LAX DEC 2016

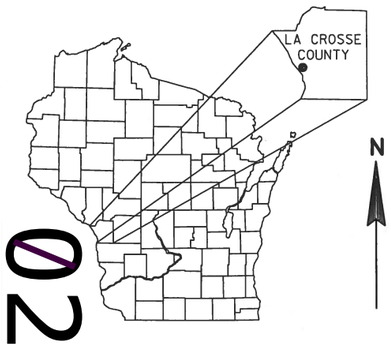
PROJECT ID: 1071-06-82/83/89, 7190-03-72

COUNTY: LA CROSSE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 1144



02

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

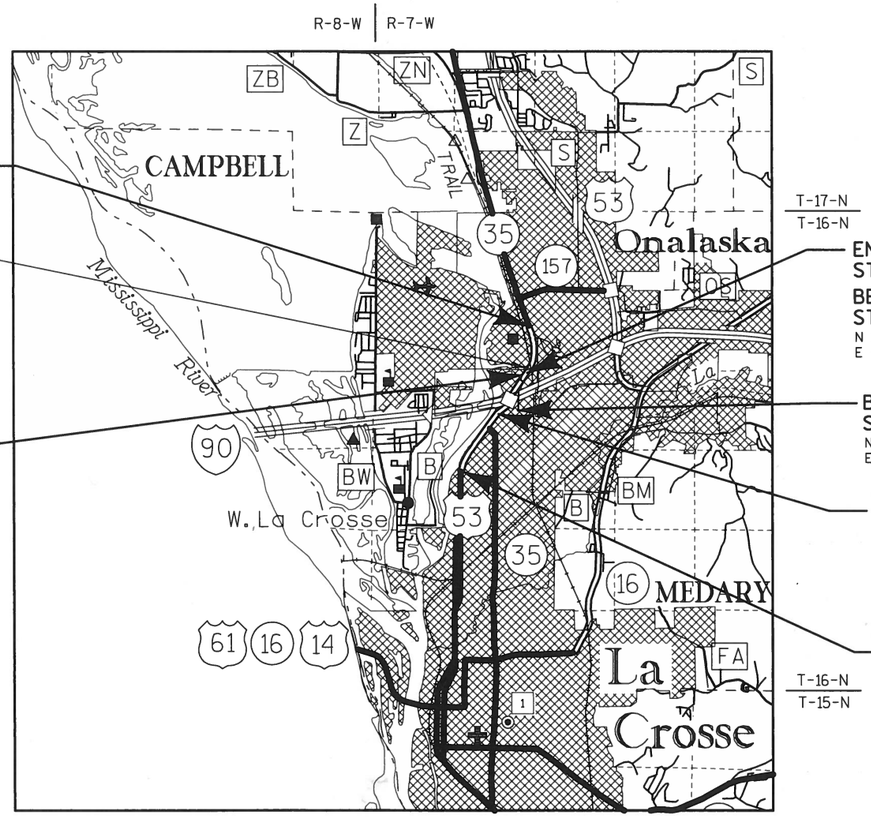
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1071-06-82	WISC 2016463	1
1071-06-83	WISC 2016464	1
1071-06-89	———	—
7190-03-72	WISC 2016471	1

LA CROSSE-GALESVILLE
LIVINGSTON ST TO WEST GEORGE ST
USH 53
LA CROSSE COUNTY
STATE PROJECT NUMBER
1071-06-82

USH 53/35-THEATER RD
WEST GEORGE ST TO BN RR BRIDGE
USH 53
LA CROSSE COUNTY
STATE PROJECT NUMBER
1071-06-83

USH 53/35-THEATER RD
WEST GEORGE ST TO BN RR BRIDGE
USH 53
LA CROSSE COUNTY
STATE PROJECT NUMBER
1071-06-89

LA CROSSE-TREMPEALEAU
BN RR BRIDGE TO 2ND AVE SW
STH 35
LA CROSSE COUNTY
STATE PROJECT NUMBER
7190-03-72



END PROJECT 7190-03-72
STA 144+75.00 RN

STRUCTURE B-32-67
(7190-03-72)
(STH 35 NB OVER BNRR)

SIGN STRUCTURES
S-32-50, S-32-53,
S-32-52, S-32-55,
S-32-54, S-32-65,
S-32-56, S-32-66,
S-32-51, S-32-68

END PROJECT 1071-06-89
STA 27+00.00

END PROJECT 1071-06-83
STA 133+21.32 RN
BEGIN PROJECT 7190-03-72
STA 133+21.32 RN
N 152587.16
E 450410.53

BEGIN PROJECT 1071-06-89
STA 10+00.01
N 150649.35
E 449769.27

END PROJECT 1071-06-82
STA 98+00.00 RN
BEGIN PROJECT 1071-06-83
STA 98+00.00 RN
N 149725.24
E 448358.94

BEGIN PROJECT 1071-06-82
STA 53+32.00 RN
N 145939.77
E 446061.81

LAYOUT
SCALE 0 ——— 1 MI.

DESIGN DESIGNATION

		USH 53/STH 35 /ROSE ST	STH 35/ GEORGE ST	STH 35/ ROSE ST
A.A.D.T. (2016)	=	24,400	10,500	22,500
A.A.D.T. (2036)	=	29,500	12,500	27,600
D.H.V.	=	3,100	1,315	2,900
D.D.	=	0.5/0.5	0.5/0.5	0.5/0.5
T.	=	6.0%	6.0%	6.0%
DESIGN SPEED	=	45 MPH	30 MPH	30/45 MPH
ESALS	=	6,051,700	2,190,000	5,175,700

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

TOTAL NET LENGTH OF CENTERLINE (1071-06-82) = 0.846 MI.
TOTAL NET LENGTH OF CENTERLINE (1071-06-83) = 0.662 MI.
TOTAL NET LENGTH OF CENTERLINE (1071-06-89) = 0.000 MI.
TOTAL NET LENGTH OF CENTERLINE (7190-03-72) = 0.219 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), LA CROSSE COUNTY. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(91) (NAVD 88(91)).

ORIGINAL PLANS PREPARED BY
CH2MHILL
MILWAUKEE, WISCONSIN
JOEL D. JURSS
E-32142
WAUKESHA, WI
PROFESSIONAL ENGINEER
DATE: 7/20/16

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
WISCONSIN
MARK R. PETERSEN
E-36785
EAU CLAIRE WI
PROFESSIONAL ENGINEER
DATE: 7/25/16

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT / K SINGH
Designer	CH2M HILL/AYRES ASSOCIATES
Project Manager	ANTHONY VANDER WIELEN
Regional Examiner	ANTHONY VANDER WIELEN
Regional Supervisor	JOE GREGAS

APPROVED FOR THE DEPARTMENT
DATE: 7/28/16 (Signature)

E

FILE NAME : ch_0682_010101_ti.dgn PLOT DATE : 20-JUL-2016 PLOT BY : jpleroni PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 10

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE IN ACCORDANCE WITH THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP OR RIPRAP HEAVY.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL AND SALVAGED TOPSOIL WHERE REQUIRED.

EXISTING PIPE CULVERT SIZES SHOWN ARE APPROXIMATE AND CONTRACTOR WILL BASE BID ON THE ACTUAL FIELD CONDITIONS.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION. THE LOCATION FOR EBS WILL BE DETERMINED BY THE ENGINEER.

SEED, INSTALL EROSION MAT, AND FERTILIZE ALL SALVAGED TOPSOIL AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

DO NOT APPLY FERTILIZER WITHIN 20 FEET OF A WATER OR WETLAND.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

CURB HEIGHT AT THE END OF CURB AND GUTTER SHALL TAPER FROM 0 TO 6-INCHES IN 6 FEET.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

ASPHALTIC SURFACE TEMPORARY SHALL BE CONSTRUCTED IN A SINGLE LAYER. 3.5" HMA PAVEMENT FOR SHOULDERS TO BE PLACED IN A SINGLE LAYER. 5" HMA PAVEMENT TO BE PLACED IN TWO LAYERS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

A SAWED JOINT IS REQUIRED WHERE NEW HMA OR CONCRETE PAVEMENT SURFACE MEETS EXISTING HMA OR CONCRETE PAVEMENT SURFACE.

CONCRETE MEDIAN SLOPED NOSE SHALL BE CONSTRUCTED FOR ALL MEDIAN OPENINGS AT INTERSECTIONS WITH CURB & GUTTER.

DEWATERING STORMWATER PONDS IS CONSIDERED INCIDENTAL TO OTHER CONSTRUCTION ITEMS.

EXISTING SIGNS THAT REQUIRE COVERING ALONG THE DETOUR ROUTES WILL BE PAID UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS. EXISTING SIGNS THAT REQUIRE COVERING RELATED TO THE GENERAL TRAFFIC CONTROL OF THE PROJECT ARE INCIDENTAL TO THE WORK.

TOTAL LAYER THICKNESS	TYPE	LAYERS	ASPHALTIC MATERIAL
5"	E-3	2" UPPER LAYER 3" LOWER LAYER	PG 58-28
3"	E-3	3" UPPER LAYER	PG 58-28

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLAN
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNAL/PHASING
PAVEMENT MARKING
TRAFFIC CONTROL AND CONSTRUCTION STAGING
ALIGNMENT

DIGGERS HOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

AGENCY CONTACTS

ENVIRONMENTAL COORDINATOR

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
LA CROSSE SERVICE CENTER
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: KAREN KALVELAGE
(608) 785-9115

RAILROAD COORDINATOR

BNSF RAILWAY COMPANY
80 - 44TH AVENUE NE
MINNEAPOLIS, MN 55421
ATTN: DAVID A JOHNSON, MANAGER OF PUBLIC PROJECTS
(763) 782-3495
david.johnson@bnsf.com

AIRPORT COORDINATOR

WISCONSIN DEPT. OF TRANSPORTATION - CENTRAL OFFICE
4802 SHEBOYGAN AVENUE 701
MADISON, WI 53705
ATTN: WENDY HOTTENSTEIN
(608) 261-6278
wendy.hottenstein@dot.wi.gov

WISCONSIN DEPT. OF TRANSPORTATION SIGNAL COORDINATOR

SOUTHWEST REGION - LA CROSSE OFFICE
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: Andrew Winga
(608) 785-9061
andrew.winga@dot.wi.gov

WISCONSIN DEPT. OF TRANSPORTATION CONTACT

SOUTHWEST REGION - LA CROSSE OFFICE
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: ANTHONY VANDER WIELEN, PE - PROJECT MANAGER
(608) 789-7878
anthony.vanderwielen@dot.wi.gov

CITY OF LA CROSSE

400 LA CROSSE STREET
LA CROSSE, WI 54601
ATTN: MATTHEW GALLAGER
(608) 789-7505

DESIGN CONTACT

I.D. 1071-06-82
JOEL JURSS
CH2M HILL
135 SOUTH 84TH STREET
MILWAUKEE, WI 53214
(414) 272-2426
Jjurss@ch2m.com

I.D. 1071-06-83, I.D. 1071-06-89, I.D. 7190-03-72
MARK PETERSEN
AYRES ASSOCIATES
3433 OAKWOOD HILLS PARKWAY
EAU CLAIRE, WI 54701
(715) 831-3161
petersenm@ayresassociates.com

UTILITIES

CENTURYLINK - COMMUNICATION LINE

BRIAN STELPLUGH
333 N FRONT STREET
LA CROSSE, WI 54601
PHONE: (608) 796-5142
CELL: (608) 780-1238
brian.stelplugh@centurylink.com

CHARTER COMMUNICATION - COMMUNICATION

PERRY MCCLELLAN
1228 12TH AVE SOUTH
ONALASKA, WI 54650
PHONE: (608) 317-6213
perry.mcclellan@charter.com

CITY OF LA CROSSE - WATER

MARK JOHNSON
400 LA CROSSE STREET
LA CROSSE, WI 54601
PHONE: (608) 789-7588
CELL: (608) 797-8673
Johnsonm@cityoflacrosse.org

CITY OF LA CROSSE - SANITARY & STORM SEWER

STEVE ASP
400 LA CROSSE STREET
LA CROSSE, WI 54601
PHONE: (608) 789-7324
CELL: (608) 797-8673
asps@cityoflacrosse.org

CITY OF ONALASKA - WATER, SANITARY & STORM SEWER

KEVIN SCHUBERT
415 MAIN STREET
ONALASKA, WI 54650
PHONE: (608) 781-9537
CELL: (608) 769-6061
kschubert@cityofonalaska.com

WISCONSIN INDEPENDENT NETWORK (WIN), LLC COMMUNICATION

JOHN LOUIS
800 WISCONSIN STREET STE 219
EAU CLAIRE, WI 54703
PHONE: (715) 838-4012
CELL: (715) 864-2918
jlouis@wins.net

WISCONSIN STOC - ITS ITEMS

DEAN BEEKMAN
433 WEST ST. PAUL AVE, STE 300
MILWAUKEE, WI 53203
PHONE: (414) 227-2154
deanbeekman@dot.wi.gov

XCEL ENERGY - ELECTRIC DISTRIBUTION

SCOTT ROBERTS
3215 COMMERCE STREET
LA CROSSE, WI 54603
PHONE: (608) 789-3625
CELL: (608) 518-0816
scott.w.robert@xcelenergy.com

XCEL ENERGY - NATURAL GAS

ED PRZYTARSKI
3215 COMMERCE STREET
LA CROSSE, WI 54603
PHONE: (608) 789-3631
CELL: (608) 780-0151
edward.r.prztarski@xcelenergy.com

XCEL ENERGY - ELECTRIC TRANSMISSION

BRUCE ZEMKE
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
PHONE: (612) 330-7815
CELL: (651) 214-2620
bruce.m.zemke@xcelenergy.com

ALIGNMENT DESIGNATION	ROADWAY SEGMENT	PROJECT ID	ROADWAY TYPE
EB	IH 90 EASTBOUND	INFO ONLY	URBAN
WB	IH 90 WESTBOUND	INFO ONLY	URBAN
RN	ROSE ST NORTHBOUND	1071-06-82/83 7190-03-72	URBAN
RS	ROSE ST SOUTHBOUND	1071-06-82/83	URBAN
E	IH 90 EB OFF RAMP TO ROSE ST	1071-06-83	URBAN
F	ROSE ST ON RAMP TO IH 90 EB	1071-06-83	URBAN
FA	SB ROSE ST TO F RAMP	1071-06-83	URBAN
G	IH 90 WB OFF RAMP TO ROSE ST	1071-06-83	URBAN
H	ROSE ST ON RAMP TO IH 90 WB	1071-06-83	URBAN
LS	LIVINGSTON ST	1071-06-82	URBAN
MS	MOORE ST	1071-06-82	URBAN
PS	PALACE ST	1071-06-82	URBAN
GS	GEORGE ST	1071-06-82	URBAN
AR	ACCESS ROAD	1071-06-82	URBAN
CS	CAMPBELL ST	1071-06-82	URBAN
WG	WEST GEORGE ST (STH 35)	1071-06-82	URBAN
GR	GEORGE RD	1071-06-83	URBAN
FD	OAK FOREST DR	7190-03-72	URBAN

CTH B
140WB
140EB
150WB
150EB
IH-90
160WB
160EB
170WB
170EB
BLACK RIVER
180WB
180EB
190WB
190EB
200WB
200EB
210WB
210EB
220WB
220EB
230WB
230EB
240WB
240EB
250WB
250EB
260WB
260EB
IH-90/USH 53
STH 35
12th AVE
BNRR
CITY OF LA CROSSE
CITY OF ONALASKA

BEGIN CONSTRUCTION
STA 186+04.37 E

STATION EQUATION
STA 98+00.16 RS BACK =
STA 98+14.27 RS AHEAD

ROSE STREET (USH 53)
S-32-52
S-32-68
RS LINE
RN LINE
S-32-50
WG LINE
S-32-66
MS LINE
LS LINE
PS LINE
MOORE ST
LIVINGSTON ST
PALACE ST
W. GEORGE ST
AR LINE
GEORGE ST
GS LINE
CS LINE
CAMPBELL ST
50RN
60RN
70RN
80RN
90RN
100RN
110RN
120RN
130RN
140RN
150RN
160RN

BEGIN PROJECT (1071-06-82)
STA 53+32.00 RN

BEGIN CONSTRUCTION
STA 145+42.49 WG

END CONSTRUCTION
STA 15+33.16 GS

BEGIN CONSTRUCTION
STA 197+00.00 H

E LINE
S-32-53
S-32-51
FA LINE
S-32-65
F LINE
H LINE
S-32-54
S-32-55
G LINE
GEORGE RD
S-32-56
GR LINE

END CONSTRUCTION
STA 199+79.52 F

BEGIN CONSTRUCTION
(1071-06-89)
SANITARY SEWER
CONSTRUCTION
STA 10+00.01

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

END PROJECT (1071-06-83)
BEGIN PROJECT (7190-03-72)
STA 133+21.32 RN

END CONSTRUCTION
(1071-06-89)
SANITARY SEWER
CONSTRUCTION
STA 27+00.00

CITY OF LA CROSSE

B-32-224
(BY OTHERS)
B-32-67
FD LINE
OAK FOREST DR
END PROJECT (7190-03-72)
STA 144+75.00 RN

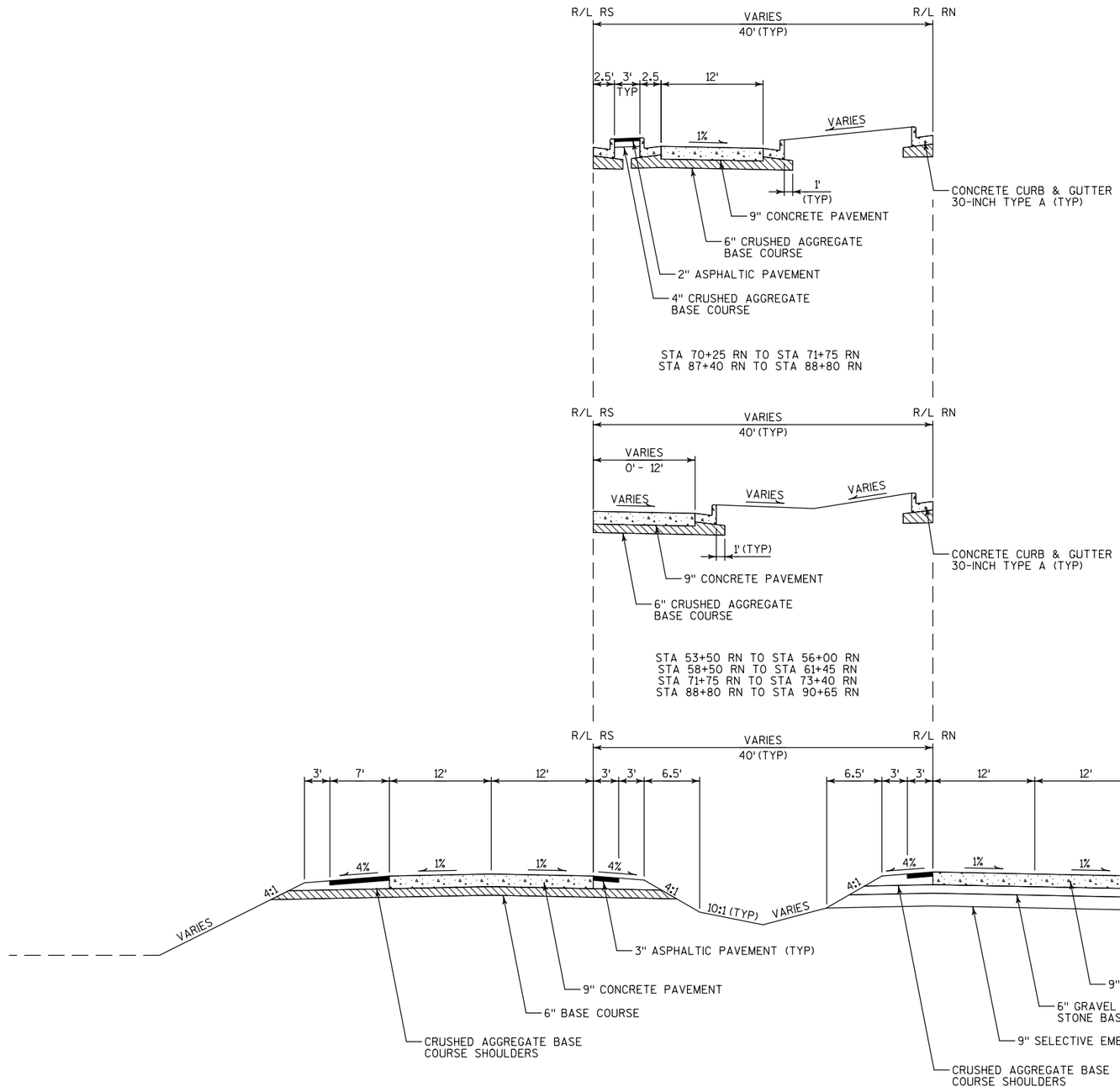
END CONSTRUCTION
STA 208+79.00 G

CITY OF ONALASKA

IH-90 WORK
BY OTHERS
WB LINE
EB LINE

PROJECT NO:1071-06-82	HWY: USH 53/STH 35	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET 3	E

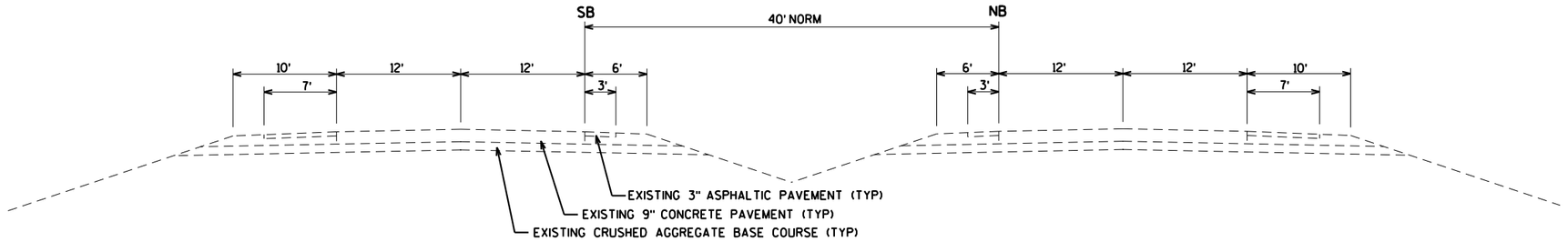
FILE NAME : ch_0682_020201_po.dgn
PLOT DATE : 06-SEP-2016
PLOT BY : jpieroni
PLOT NAME :
PLOT SCALE : 800:1
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION
ROSE STREET (USH 53/STH 35)
STA 53+32 RN TO STA 98+00 RN

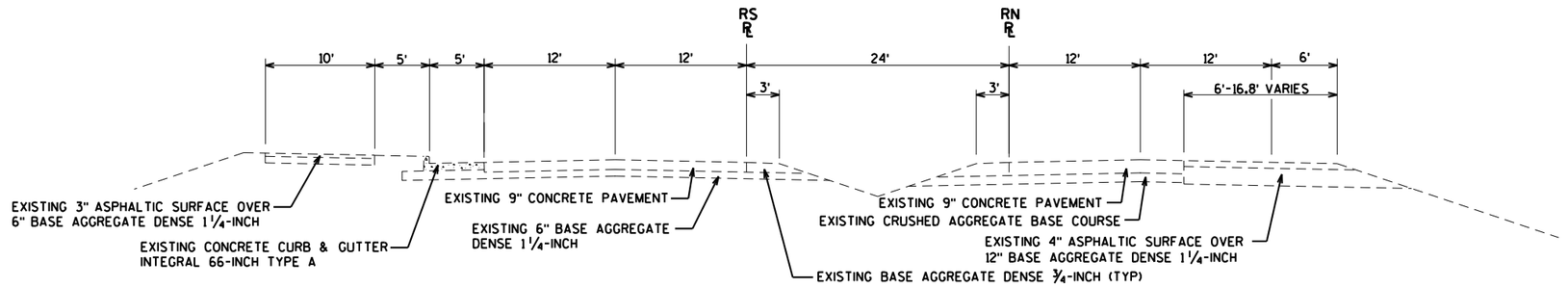
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 4	E

2



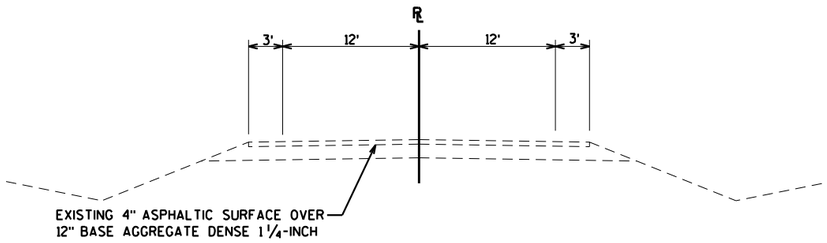
TYPICAL EXISTING SECTION - ROSE ST/USH 53/STH 35

STA 98+00.00 RN - STA 133+35.75 RN



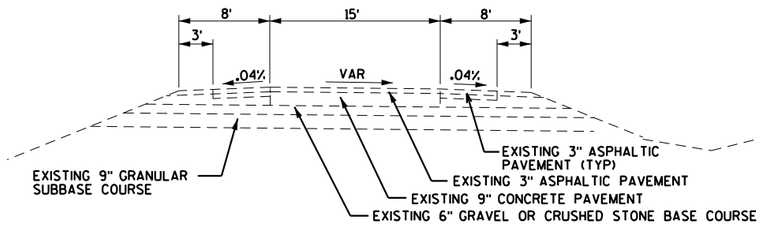
TYPICAL EXISTING SECTION - ROSE ST/STH 35

STA 133+35.75 RN - STA 144+75.00 RN



TYPICAL EXISTING SECTION - 'RX' LINE

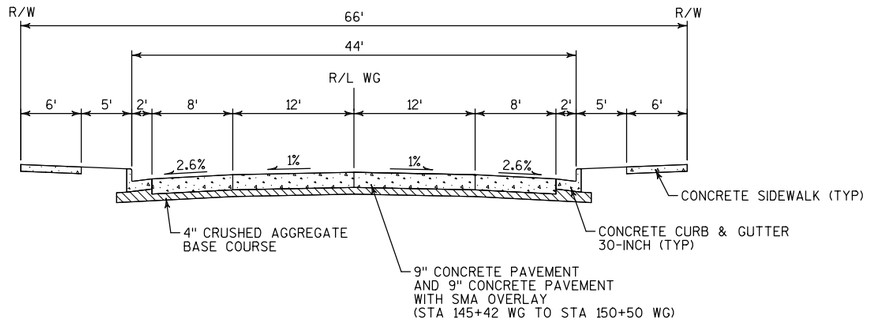
TEMPORARY SB CONNECTION



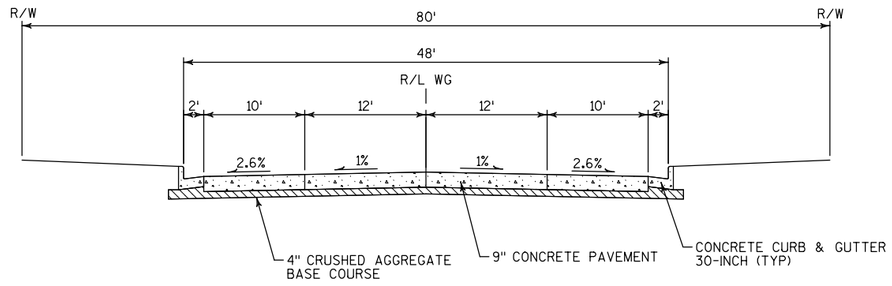
TYPICAL EXISTING SECTION - RAMPS

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS - EXISTING	SHEET 5	E

2

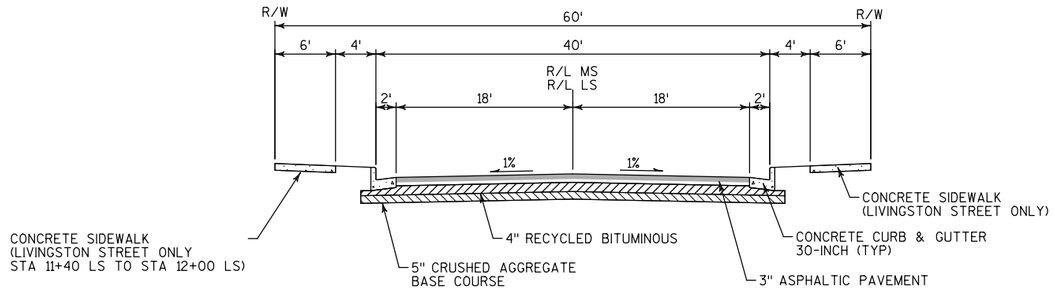


TYPICAL EXISTING SECTION
GEORGE STREET (STH 35)
STA 145+42 WG TO STA 151+64 WG



TYPICAL EXISTING SECTION
W. GEORGE STREET (STH 35)
STA 151+64 WG TO STA 157+45 WG

2



TYPICAL EXISTING SECTION

MOORE STREET

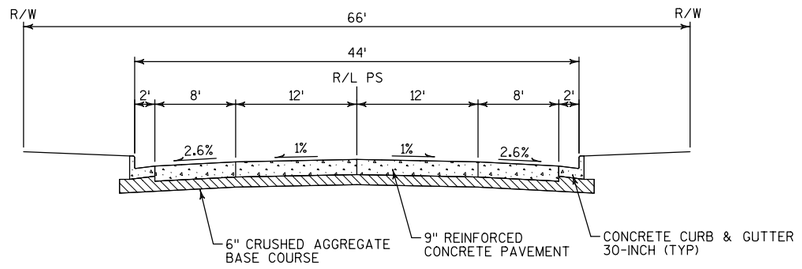
STA 10+40 MS TO STA 12+00 MS

LIVINGSTON STREET

STA 10+40 LS TO STA 12+00 LS

CAMPBELL STREET

STA 10+29 CS TO STA 10+65 CS



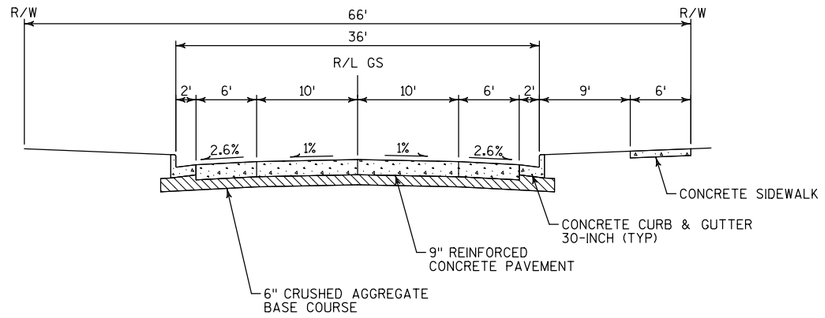
TYPICAL EXISTING SECTION

PALACE STREET

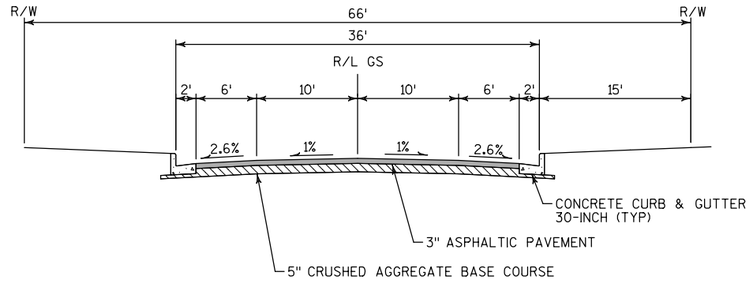
STA 10+45 PS TO STA 12+50 PS

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TYPICAL SECTIONS	SHEET 7	E

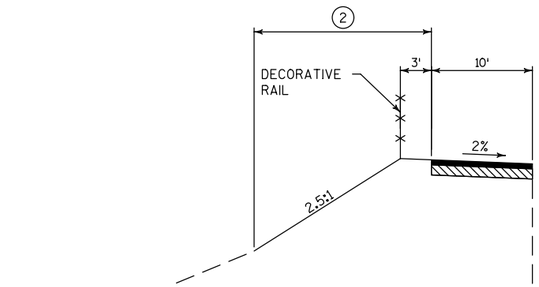
2



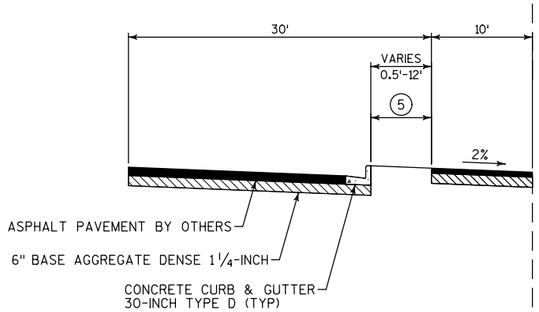
TYPICAL EXISTING SECTION
GEORGE STREET
STA 10+50 GS TO STA 13+50 GS



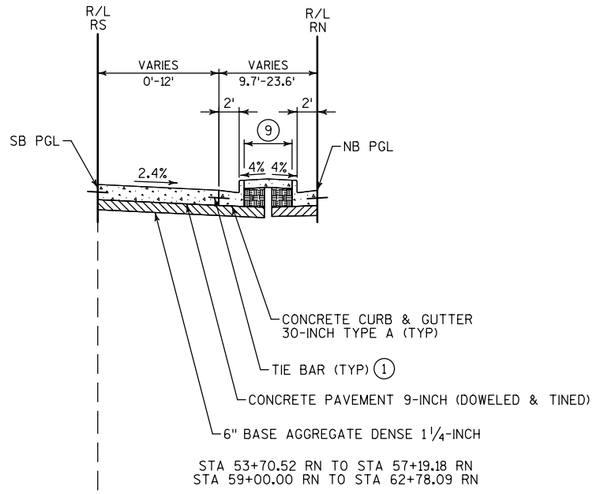
TYPICAL EXISTING SECTION
GEORGE STREET
STA 13+50 GS TO STA 15+33 GS



STA 55+00.00 RN TO STA 56+50.00 RN

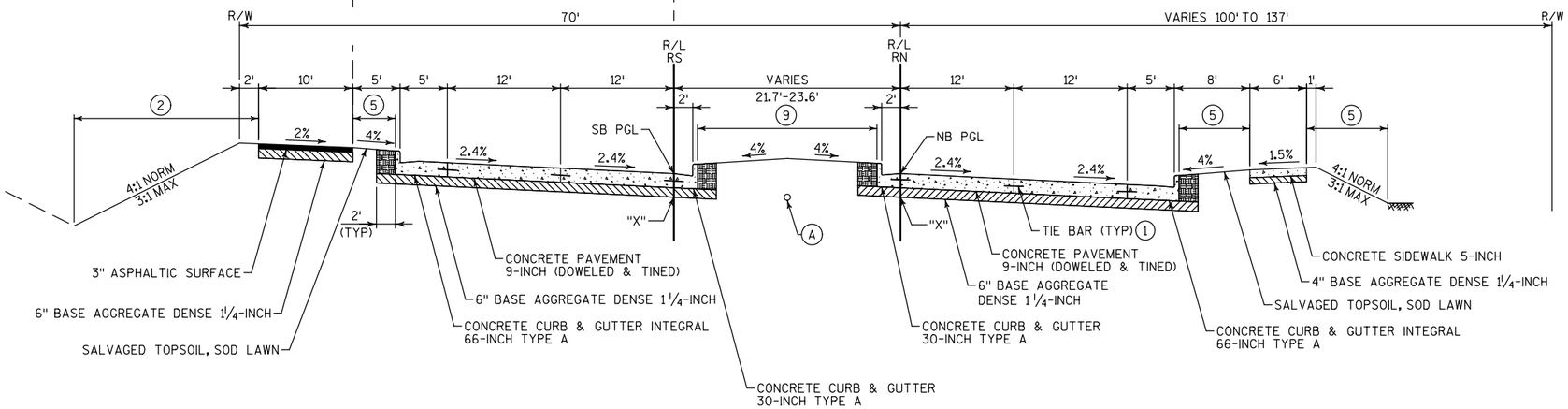


STA 53+32.00 RN TO STA 54+64.00 RN



STA 53+70.52 RN TO STA 57+19.18 RN
STA 59+00.00 RN TO STA 62+78.09 RN

1. TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)
2. SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, SEEDING TEMPORARY & MULCHING
5. SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING
9. SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND NO-MOW FESCUE SEED MIX (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'



TYPICAL FINISHED SECTION
ROSE STREET
STA 53+32.00 RN STA 65+60.62 RN

A. CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH IN MEDIAN FOR FUTURE USE BY CITY PLACED 30" BELOW FINISHED SURFACE, SEE TRAFFIC SIGNAL INTERCONNECT FOR ADDITIONAL INFORMATION

"X" = POINT REFERRED TO ON CROSS SECTIONS

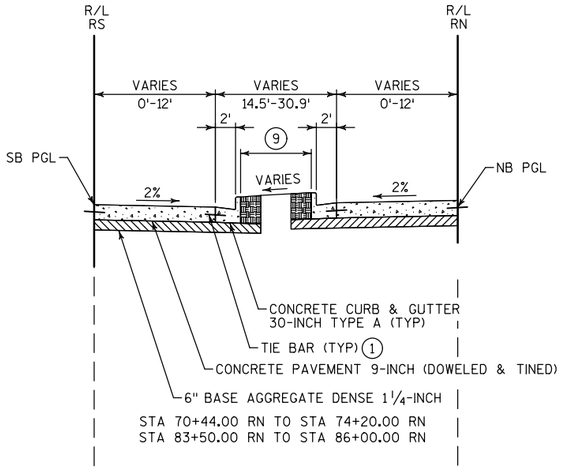
2

(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

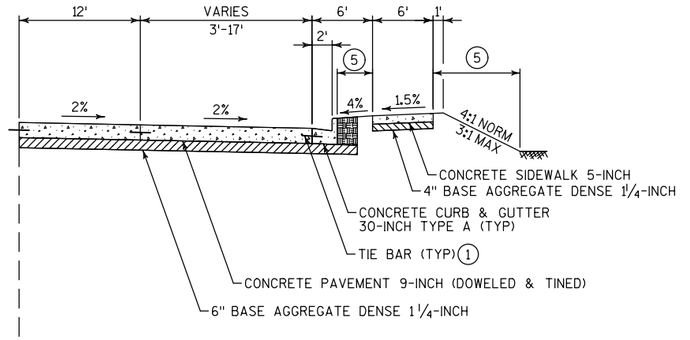
(2) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, SEEDING TEMPORARY & MULCHING

(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING

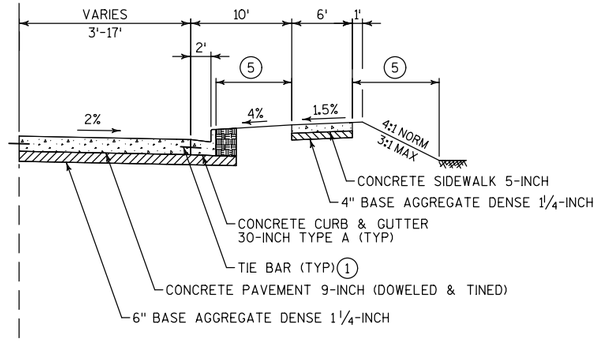
(9) SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND NO-MOW FESCUE SEED MIX (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'



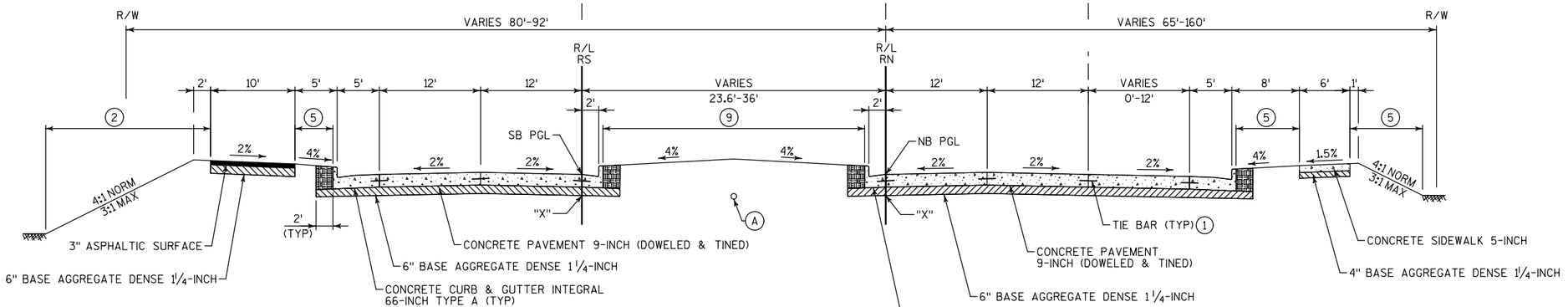
STA 70+44.00 RN TO STA 74+20.00 RN
STA 83+50.00 RN TO STA 86+00.00 RN



STA 83+60.00 RN TO STA 85+93.00 RN



STA 67+30.00 RN TO STA 72+25.00 RN



TYPICAL FINISHED SECTION
ROSE STREET

STA 65+60.62 RN TO STA 86+85.72 RN

(A) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH IN MEDIAN FOR FUTURE USE BY CITY PLACED 30" BELOW FINISHED SURFACE, SEE TRAFFIC SIGNAL INTERCONNECT FOR ADDITIONAL INFORMATION

"X" = POINT REFERRED TO ON CROSS SECTIONS

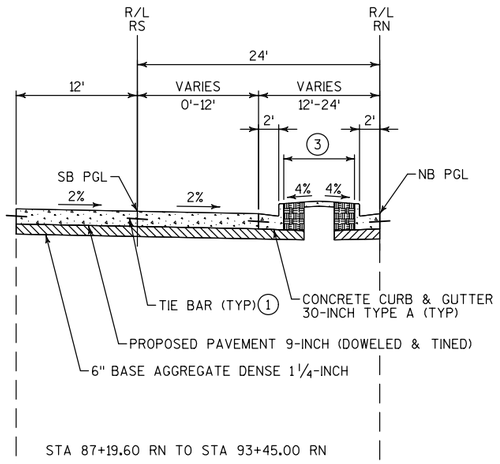
2

(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

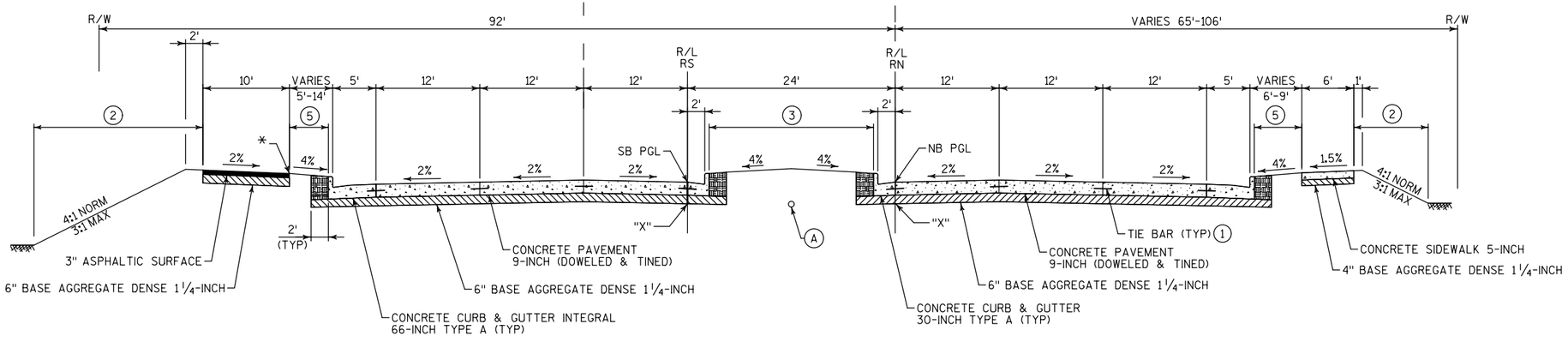
(2) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, SEEDING TEMPORARY & MULCHING

(3) SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND SEEDING MIXTURE NO. 40 (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'

(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING



STA 87+19.60 RN TO STA 93+45.00 RN

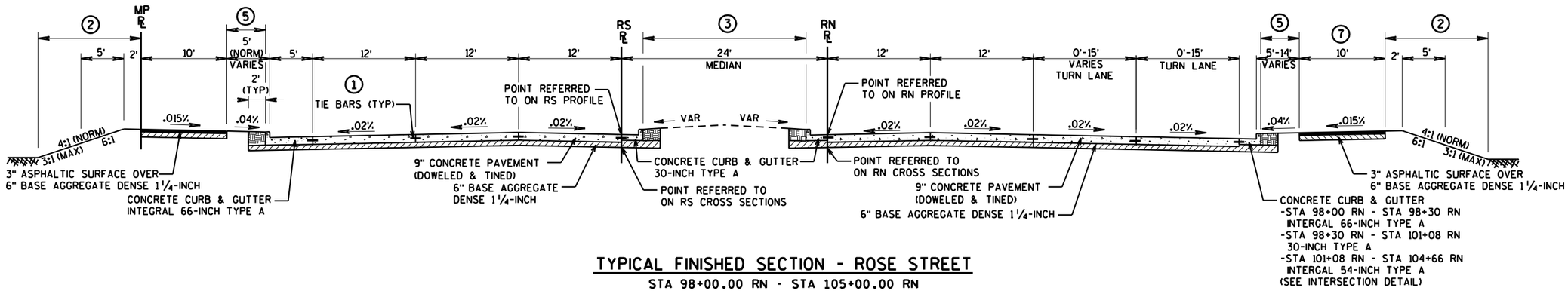


* SEE ALIGNMENT PLAN FOR AUXILIARY R/L MP AT EDGE OF PATH

(A) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH IN MEDIAN FOR FUTURE USE BY CITY PLACED 30" BELOW FINISHED SURFACE, SEE TRAFFIC SIGNAL INTERCONNECT FOR ADDITIONAL INFORMATION

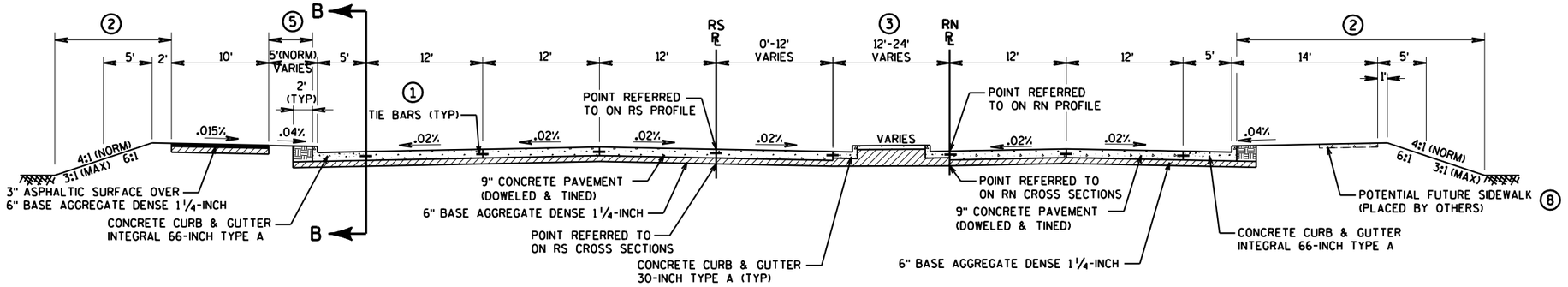
"X" = POINT REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION
ROSE STREET
STA 86+85.72 RN TO STA 98+00.00 RN



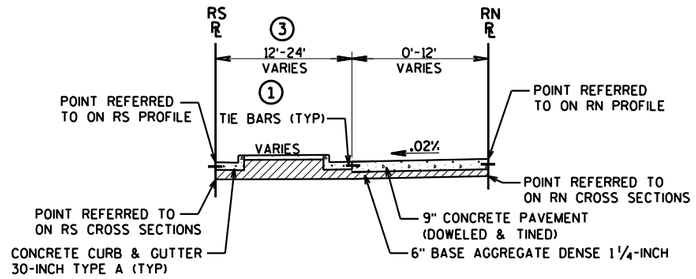
TYPICAL FINISHED SECTION - ROSE STREET

STA 98+00.00 RN - STA 105+00.00 RN



TYPICAL FINISHED SECTION - ROSE STREET

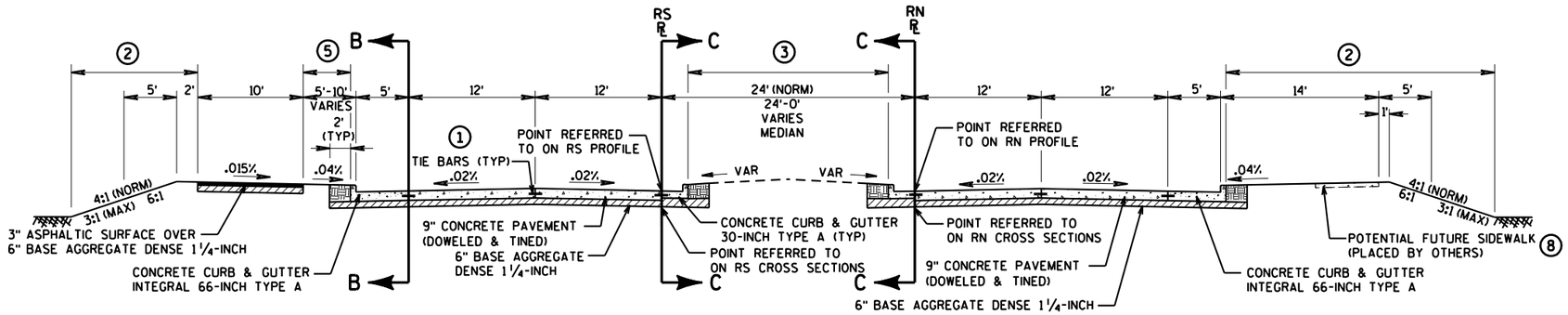
STA 105+00.00 RN - STA 126+79.30 RN



STA 110+00.00 RN - STA 117+25.00 RN

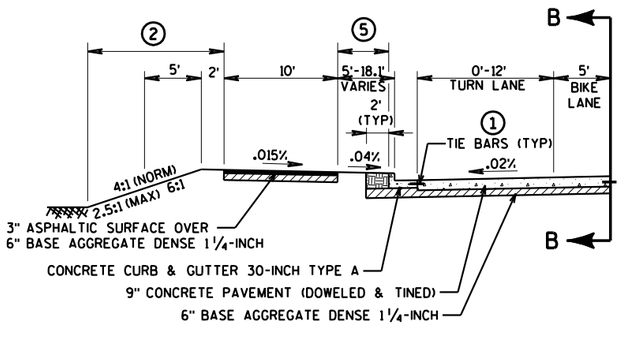
1. TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)
2. SALVAGED TOPSOIL, SEEDING MIXTURE NO.20, SEEDING TEMPORARY & MULCHING
3. SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND SEEDING MIXTURE NO.40 (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'
5. SALVAGED TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO.40, AND MULCHING
7. MULTI-USE PATH FOLLOWS F RAMP ALIGNMENT. ISLAND LAYOUT SHOWN ON INTERSECTION DETAILS.
8. SHOWN FOR INFORMATION ONLY. NO CURB RAMPS OR CUT OUT PROVIDED AS PART OF THIS PROJECT.

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 12	E



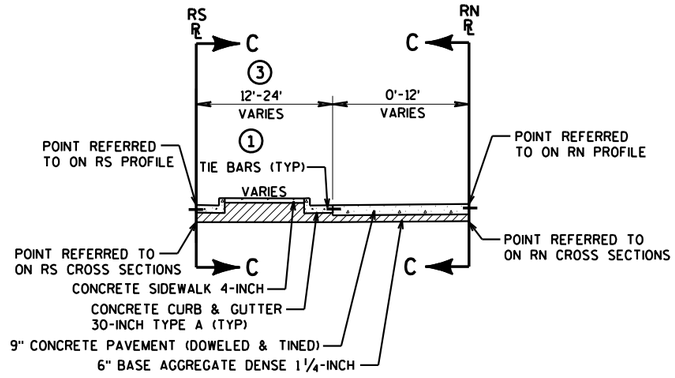
TYPICAL FINISHED SECTION - ROSE STREET

STA 126+79.30 RN - STA 133+35.60 RN



SECTION B-B

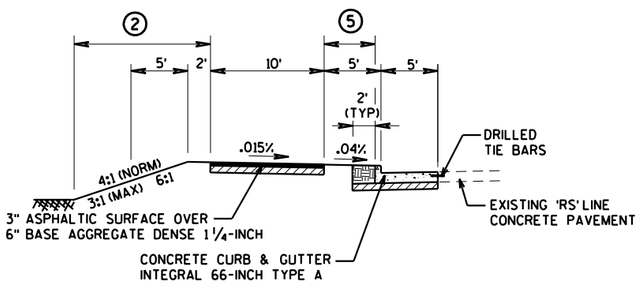
STA 115+70.00 RN - STA 121+35.59 RN
STA 126+79.30 RN - STA 132+84.00 RN



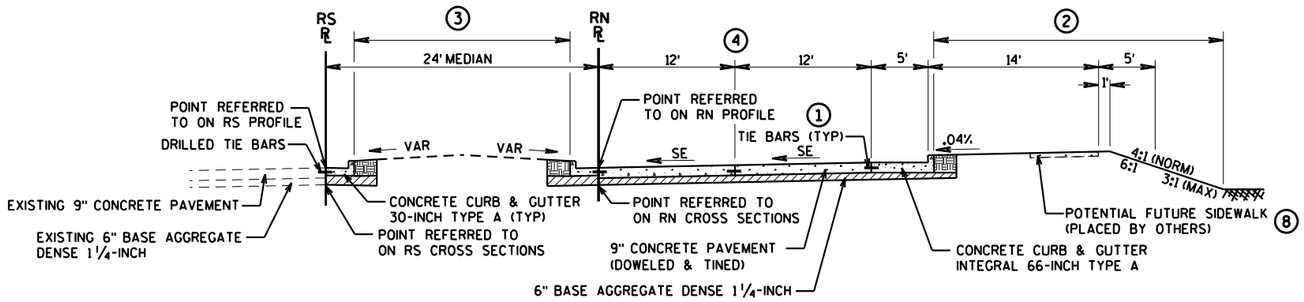
SECTION C-C

STA 124+19.85 RN - STA 128+60.00 RN

1. TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)
2. SALVAGED TOPSOIL, SEEDING MIXTURE NO.20, SEEDING TEMPORARY & MULCHING
3. SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND SEEDING MIXTURE NO.40 (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'
4. SUPERELEVATED IN HORIZONTAL CURVE (SEE SUPERELEVATION TABLES FOR MORE INFORMATION)
5. SALVAGED TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO.40, AND MULCHING
8. SHOWN FOR INFORMATION ONLY. NO CURB RAMPS OR CUT OUT PROVIDED AS PART OF THIS PROJECT.



STA 133+35.60 RN (133+50.00 RS) - STA 134+87.36 RN (135+00.00 RS)

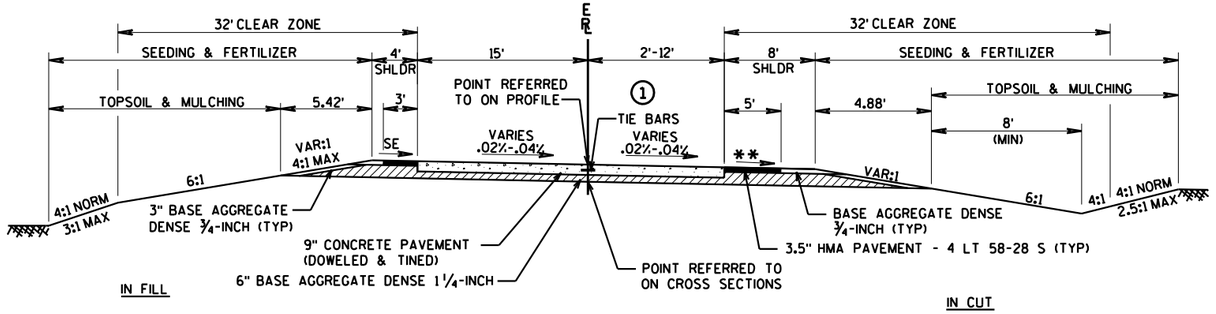


TYPICAL FINISHED SECTION - ROSE STREET

STA 133+35.60 RN - STA 144+75.00 RN

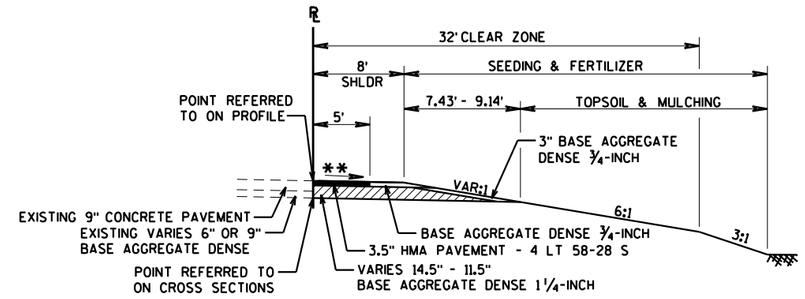
MEDIAN WORK EXTENDS TO STA 147+25 RN
SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

PROJECT NO: 1071-06-83/7190-03-71	HWY: USH 53 /STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 13	E



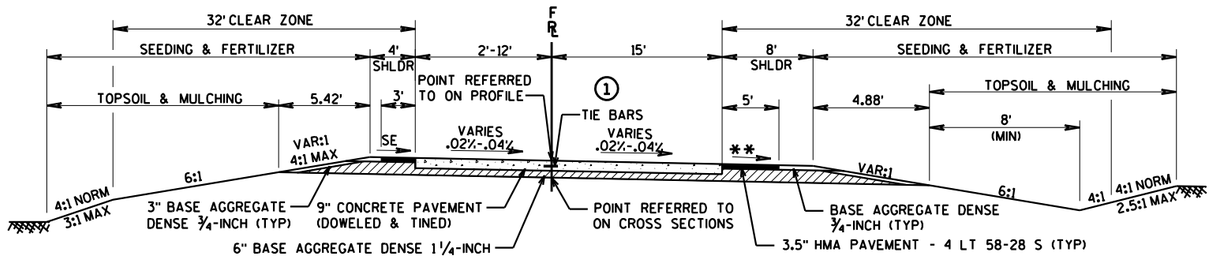
TYPICAL FINISHED SECTION - E RAMP

STA 186+04.37 E - STA 190+15.59 E



TYPICAL FINISHED SECTION - E & F RAMPS

STA 182+90.00 E - STA 186+04.37 E
STA 199+79.52 F - STA 203+73.08 F



TYPICAL FINISHED SECTION - F RAMP

STA 190+50.33 F - STA 199+79.52 F

** THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTION EQUALS THE SUPERELEVATION RATE WHEN THE SUPERELEVATION RATE IS GREATER THAN 4%. IF THE SUPERELEVATION RATE IS LESS THAN OR EQUAL TO 4%, THE LOW SIDE SHOULDER SLOPE IS 4%. HIGH SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION RATE. SEE SUPERELEVATION TABLES FOR SE

(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

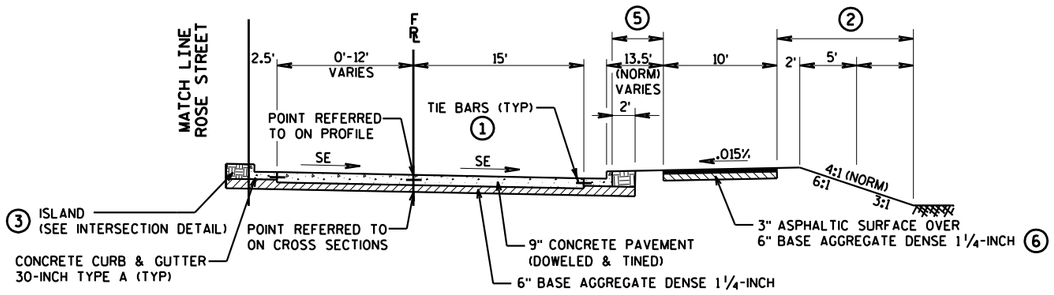
(2) SALVAGED TOPSOIL, SEEDING MIXTURE NO.20, SEEDING TEMPORARY & MULCHING

(3) SALVAGED TOPSOIL, SEEDING TEMPORARY, MULCHING, PLANTINGS, AND SEEDING MIXTURE NO.40 (SEE LANDSCAPING PLANS FOR ADDITIONAL DETAILS) IN AREAS WHERE MEDIAN WIDTH IS GREATER THAN 15', 4-INCH CONCRETE SIDEWALK IN AREAS WHERE MEDIAN IS LESS THAN 15'

(5) SALVAGED TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO.40, AND MULCHING

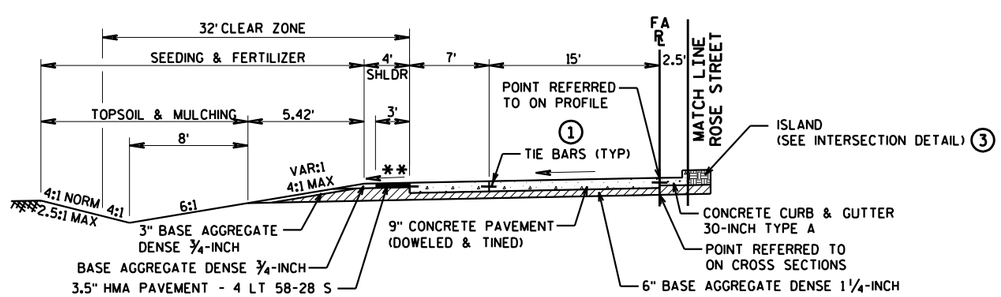
(6) MULTI-USE PATH ENDS AT STA 189+90.00 F

NOTE: ROUTE AND SEAL ALL CONCRETE/ASPHALT JOINTS (SEE DETAIL)



TYPICAL FINISHED SECTION - F RAMP

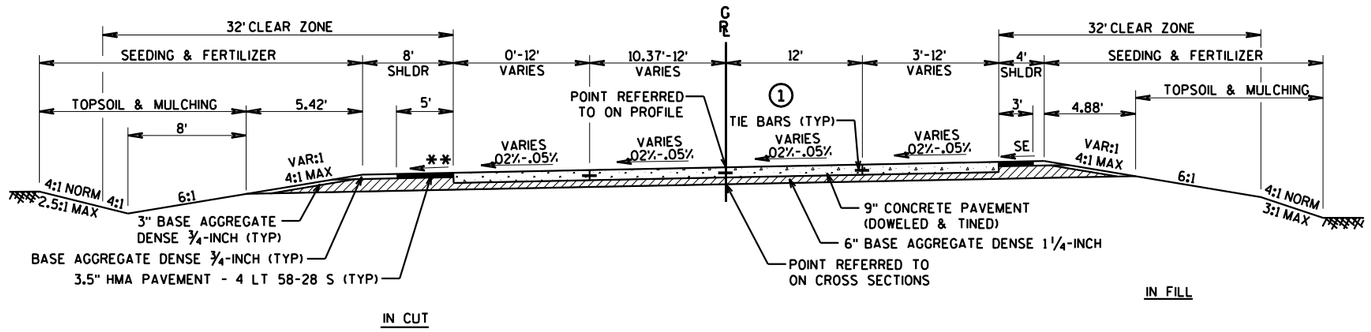
STA 183+89.60 F - STA 190+50.33 F



TYPICAL FINISHED SECTION - FA RAMP

STA 189+28.30 FA - STA 190+32.96 FA

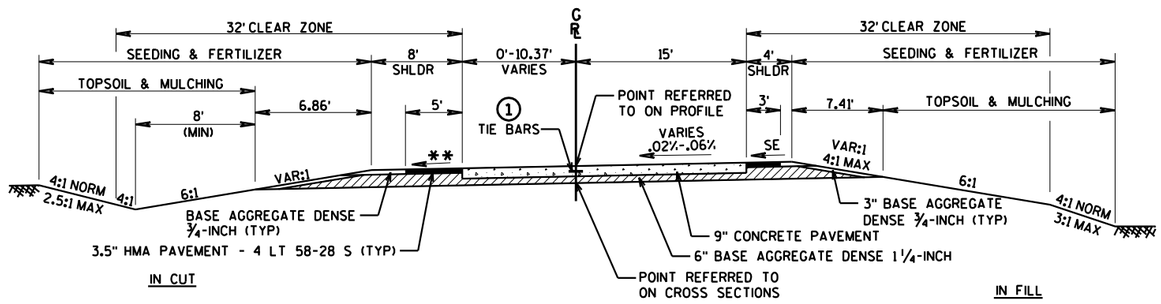
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 14	E



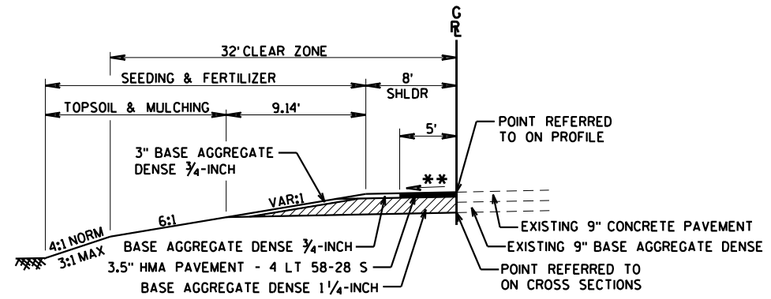
1 TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

NOTE: ROUTE AND SEAL ALL CONCRETE/ASPHALT JOINTS (SEE DETAIL)

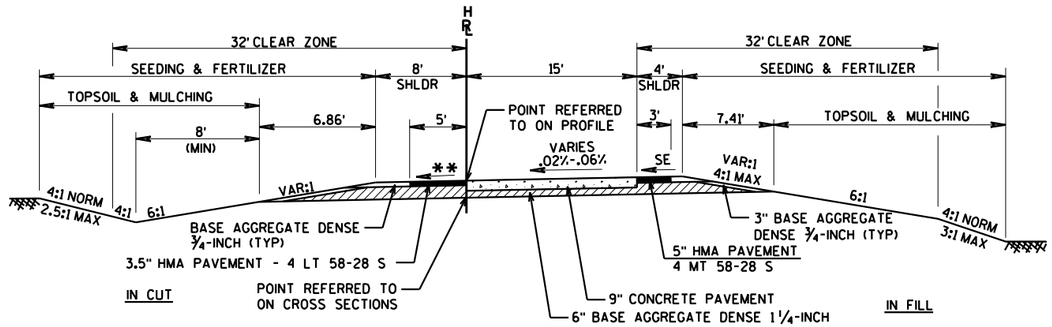
TYPICAL FINISHED SECTION - G RAMP
STA 199+50.00 G - STA 204+92.66 G



TYPICAL FINISHED SECTION - G RAMP
STA 204+92.66 G - STA 208+79.00 G

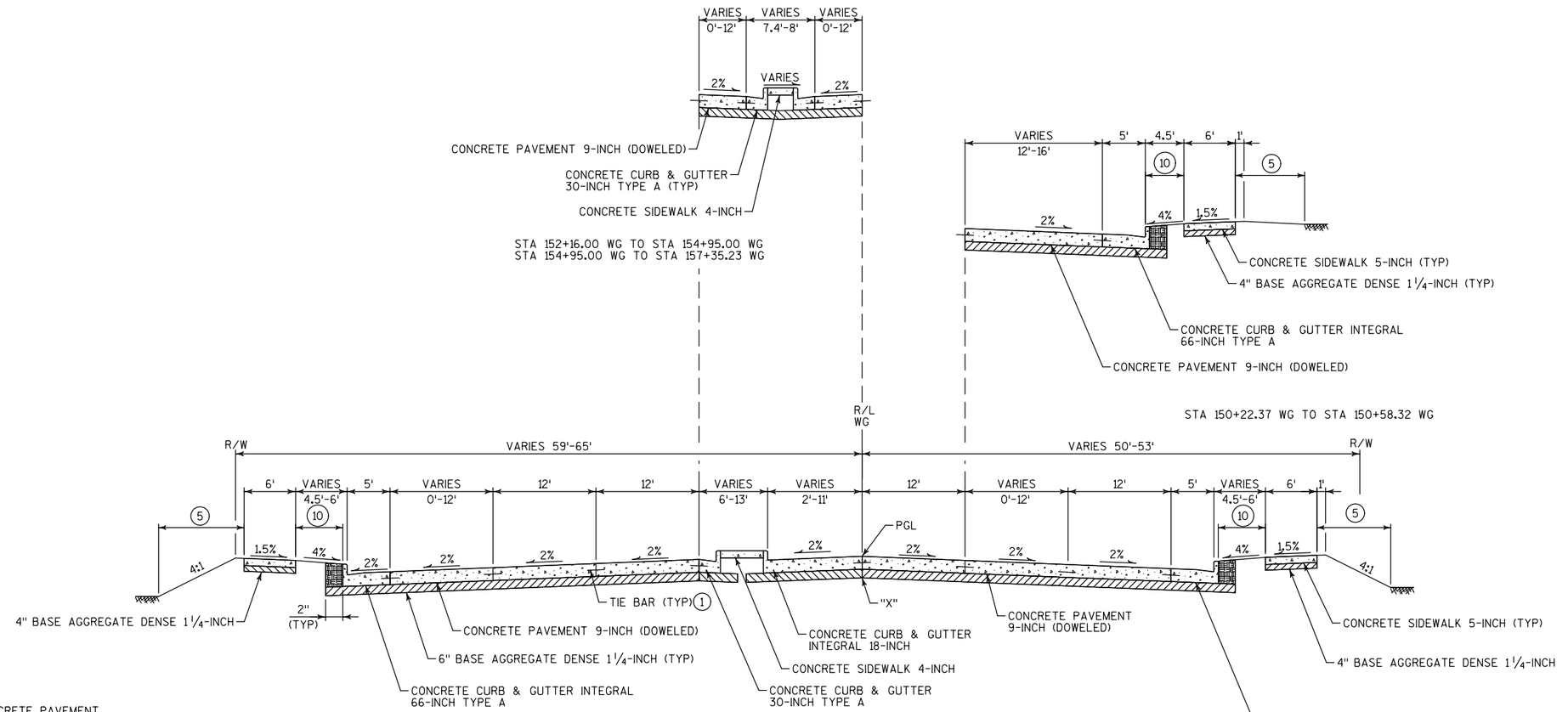


TYPICAL FINISHED SECTION - G RAMP
STA 208+79.00 G - STA 212+15.00 G



TYPICAL FINISHED SECTION - H RAMP
STA 197+00.00 H - STA 200+92.96 H

** THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTION EQUALS THE SUPERELEVATION RATE WHEN THE SUPERELEVATION RATE IS GREATER THAN 4%. IF THE SUPERELEVATION RATE IS LESS THAN OR EQUAL TO 4%. THE LOW SIDE SHOULDER SLOPE IS 4%. HIGH SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION RATE. SEE SUPERELEVATION TABLES FOR SE

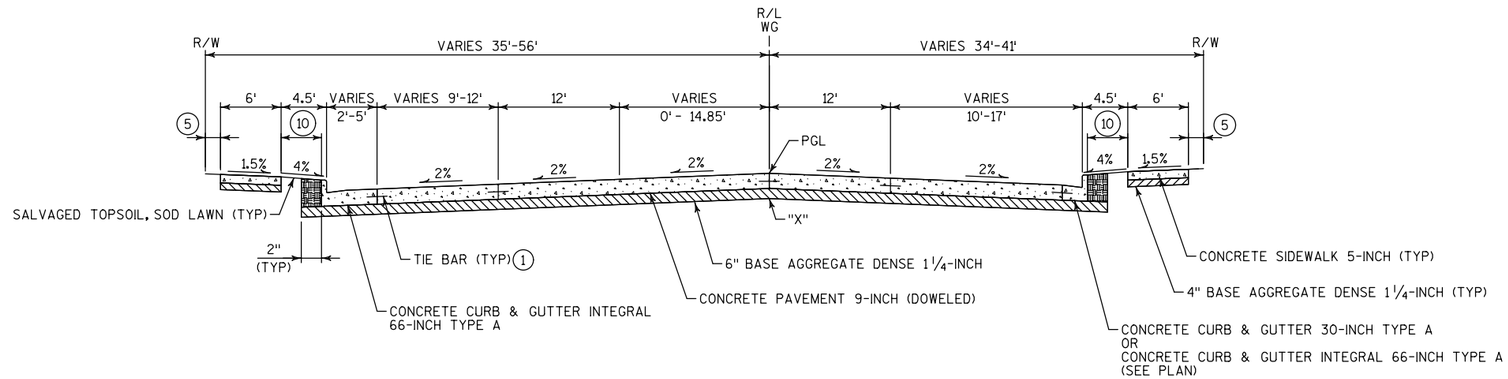


1 TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

5 SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING

10 SALVAGED TOPSOIL & SOD LAWN

TYPICAL FINISHED SECTION
W GEORGE STREET (STH 35)
STA 149+00.00 WG TO STA 157+35.23 WG



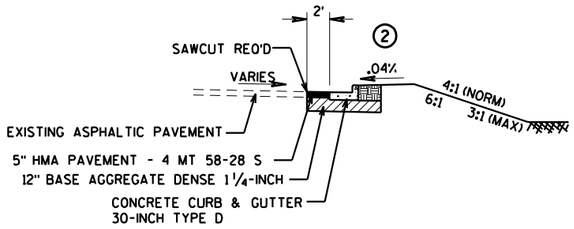
TYPICAL FINISHED SECTION
GEORGE STREET (STH 35)
STA 145+42.49 WG TO STA 149+00.00 WG

NOTE:

"X" = POINT REFERRED TO ON CROSS SECTIONS

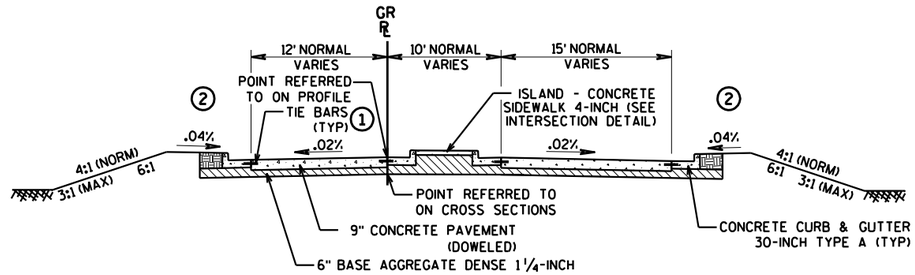
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 16	E

2



TYPICAL FINISHED SECTION - GEORGE ROAD

STA 199+73.65 GR - STA 200+24.14 GR



① TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

② SALVAGED TOPSOIL, SEEDING MIXTURE NO.20, SEEDING TEMPORARY & MULCHING

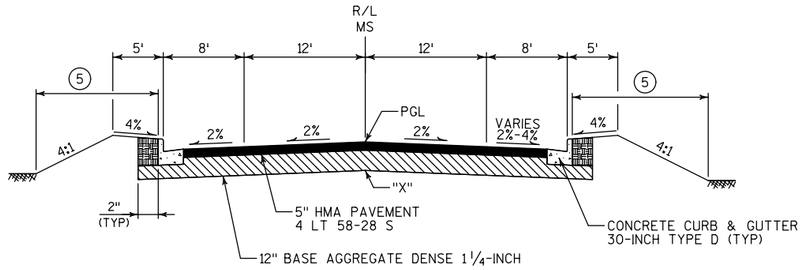
TYPICAL FINISHED SECTION - GEORGE ROAD

STA 200+24.14 GR - STA 211+66.60 GR

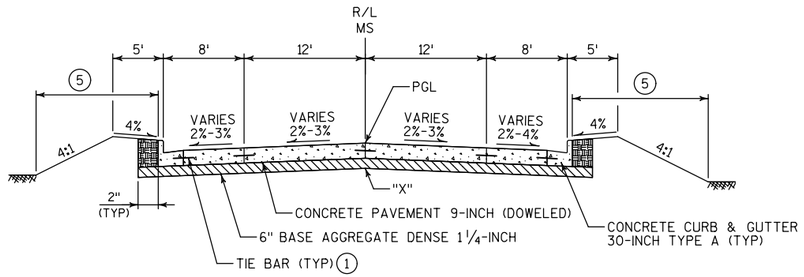
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_020301_ts.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:200

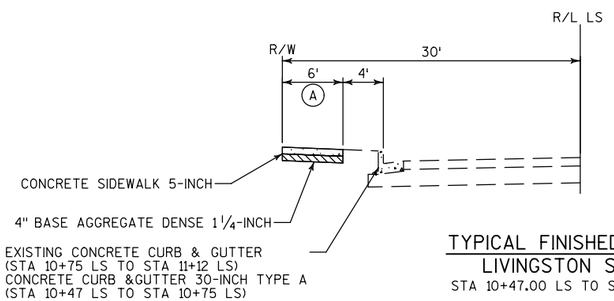
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION
MOORE STREET
STA 11+42.47 MS TO STA 12+00.00 MS



TYPICAL FINISHED SECTION
MOORE STREET
STA 10+29.10 MS TO STA 11+42.47 MS
CAMPBELL STREET
STA 10+29.00 CS TO STA 10+65.00 CS



TYPICAL FINISHED SECTION
LIVINGSTON STREET
STA 10+47.00 LS TO STA 11+12.00 LS

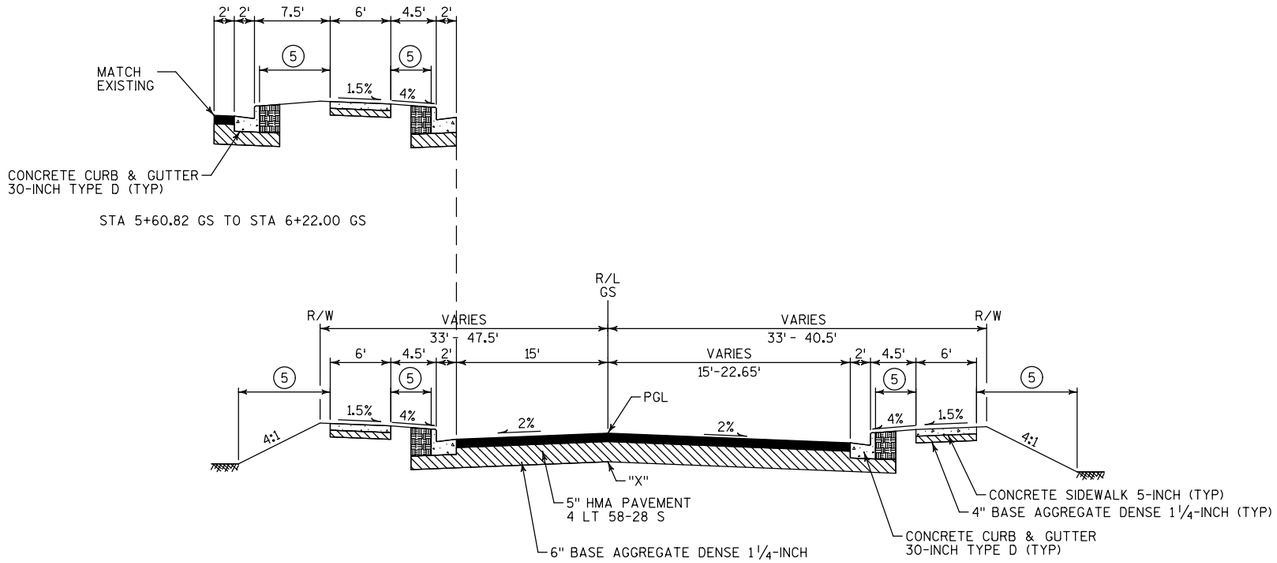
(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING

(A) SIDEWALK CONSTRUCTION EXTENDS BEYOND ROADWAY IMPROVEMENT LIMITS
STA 10+47.00 LS TO STA 11+12.00 LS

"X" = POINT REFERRED TO ON CROSS SECTIONS

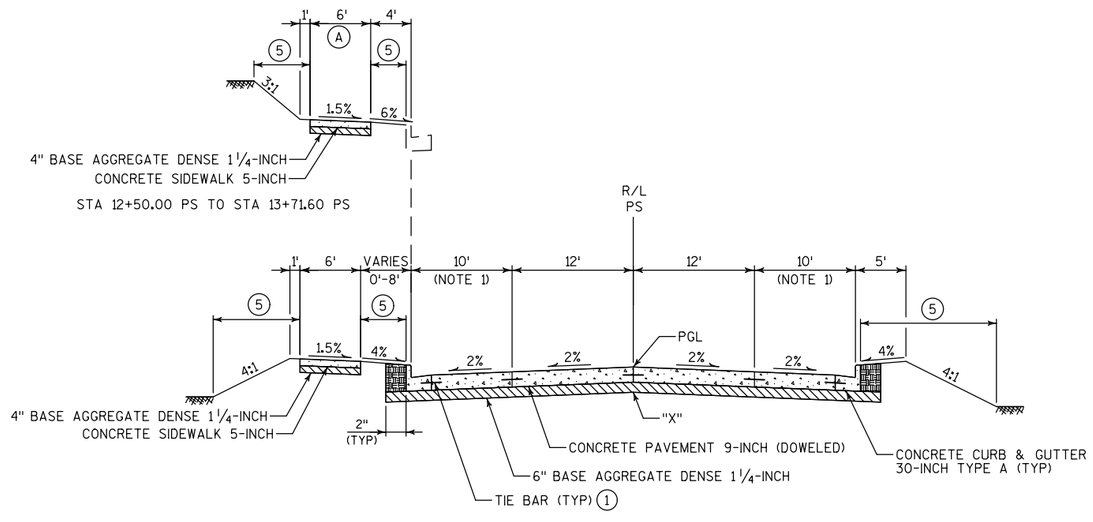
2



TYPICAL FINISHED SECTION
GEORGE STREET
STA 5+60.82 GS TO STA 8+16.00 GS

(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

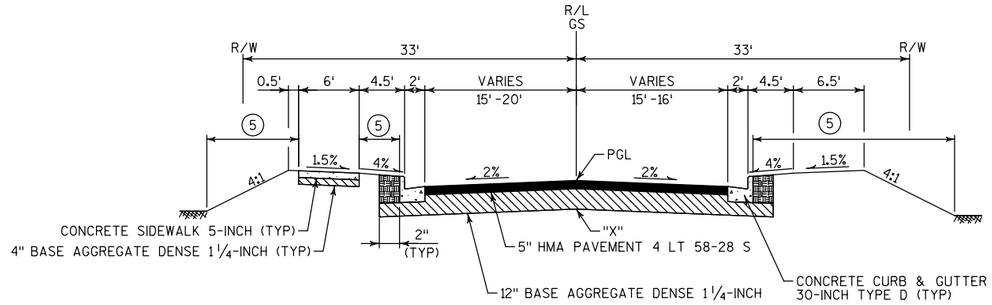
(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING



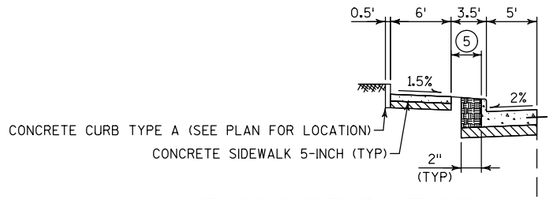
TYPICAL FINISHED SECTION
PALACE STREET
STA 10+50.00 PS TO STA 12+50.00 PS

(A) SIDEWALK CONSTRUCTION EXTENDS BEYOND ROADWAY IMPROVEMENT LIMITS STA 12+50.00 PS TO STA 13+71.60 PS

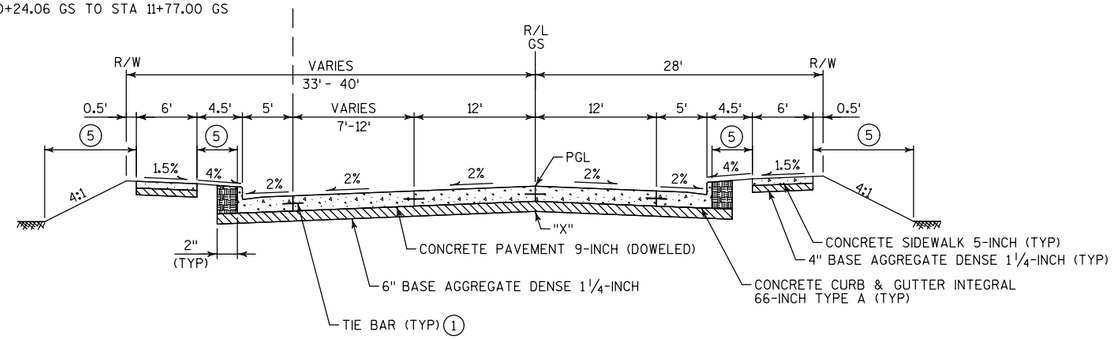
"X" = POINT REFERRED TO ON CROSS SECTIONS



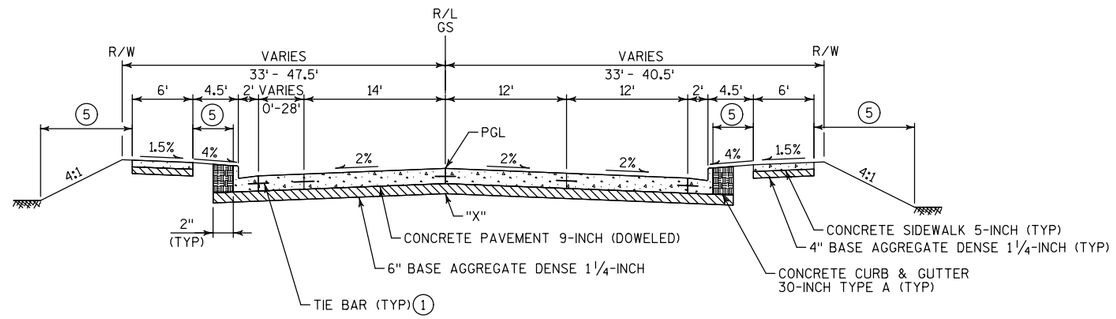
TYPICAL FINISHED SECTION
GEORGE STREET
STA 13+16.81 GS TO STA 15+33.16 GS



STA 10+24.06 GS TO STA 11+77.00 GS



TYPICAL FINISHED SECTION
GEORGE STREET
STA 10+24.06 GS TO STA 13+16.81 GS



TYPICAL FINISHED SECTION
GEORGE STREET
STA 8+16.00 GS TO STA 9+56.00 GS

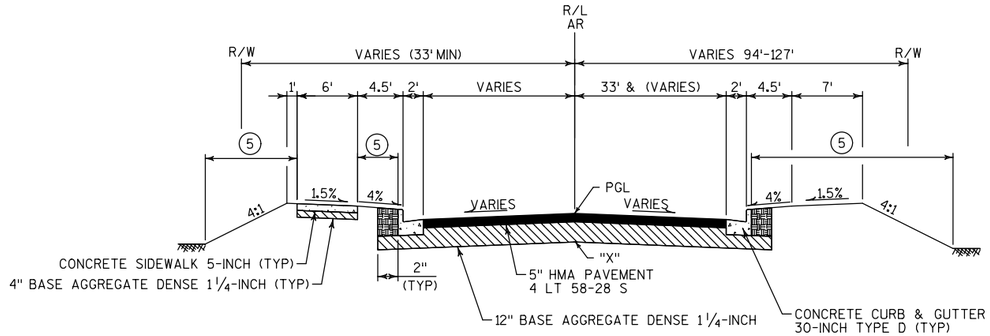
(1) TIE BARS ARE INCIDENTAL TO CONCRETE PAVEMENT (UNLESS DRILLED INTO EXISTING PAVEMENT)

(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING

NOTE:

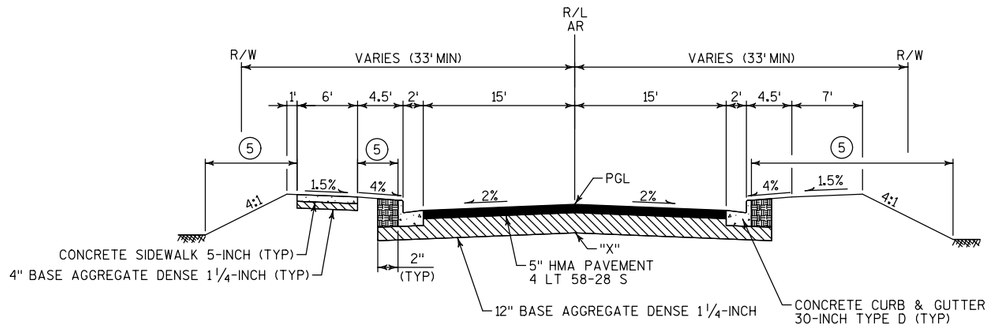
"X" = POINT REFERRED TO ON CROSS SECTIONS

2



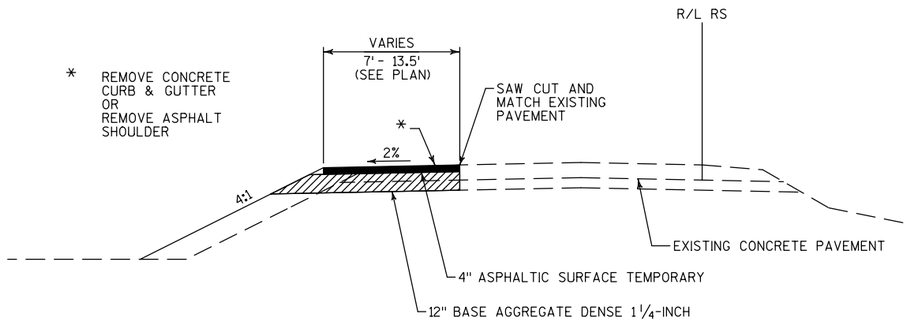
TYPICAL FINISHED SECTION
ACCESS ROAD
STA 13+61.00 AR TO STA 15+00.00 AR

(5) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, SEEDING TEMPORARY & MULCHING



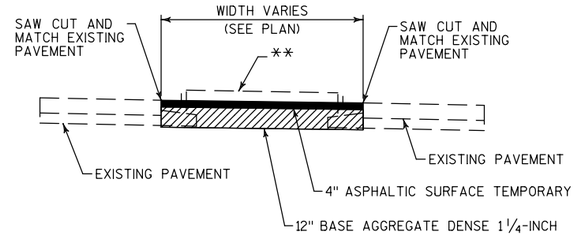
TYPICAL FINISHED SECTION
ACCESS ROAD
STA 15+00.00 AR TO STA 19+85.00 AR

NOTE:
"X" = POINT REFERRED TO ON CROSS SECTIONS



TYPICAL SECTION - ROSE STREET WIDENING

STA 67+50 RS TO STA 75+50 RS
STA 85+63 RS TO STA 98+00 RS

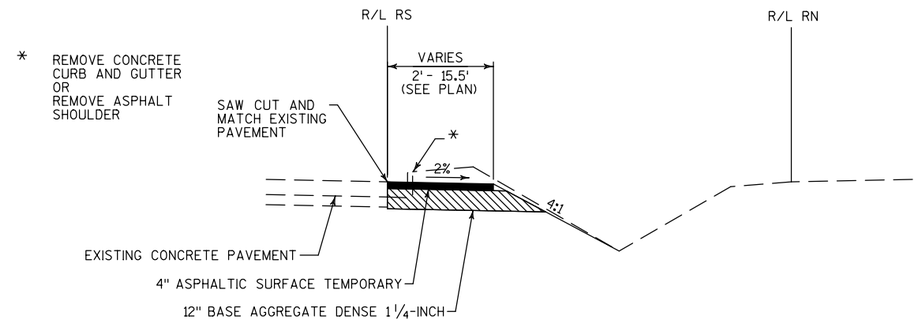


** REMOVE ISLAND OR MEDIAN PAID FOR AS REMOVING CURB & GUTTER, REMOVING ASPHALTIC SURFACE, REMOVING CONCRETE SIDEWALK, OR REMOVING SAFETY ISLAND (SEE MISCELLANEOUS QUANTITIES)

FOR STA 70+11 RN TO STA 70+73 RN LOCATION, NO REMOVALS AND MATCH NEW PAVEMENT.

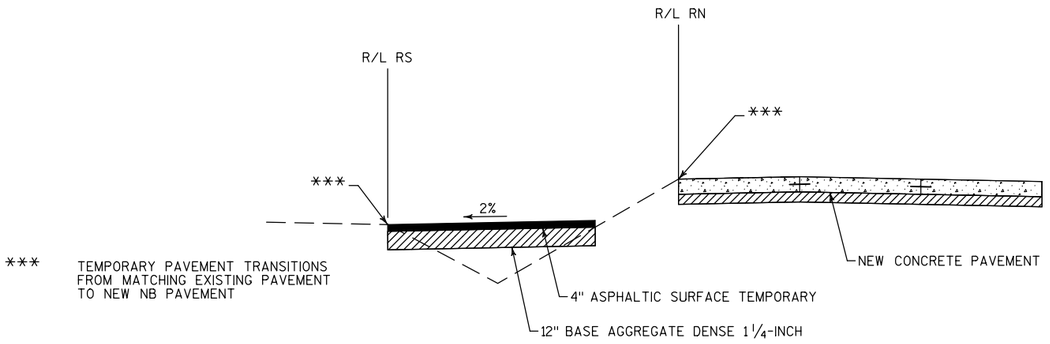
TYPICAL SECTION - ISLAND AND RAISED MEDIAN REMOVAL TEMPORARY PAVEMENT

VARIOUS LOCATIONS



TYPICAL SECTION - ROSE STREET WIDENING

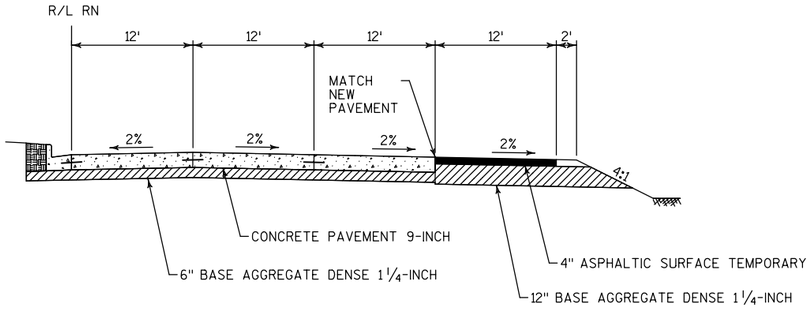
STA 53+50 RS TO STA 57+80 RS
STA 94+75 RS TO STA 98+00 RS



*** TEMPORARY PAVEMENT TRANSITIONS FROM MATCHING EXISTING PAVEMENT TO NEW NB PAVEMENT

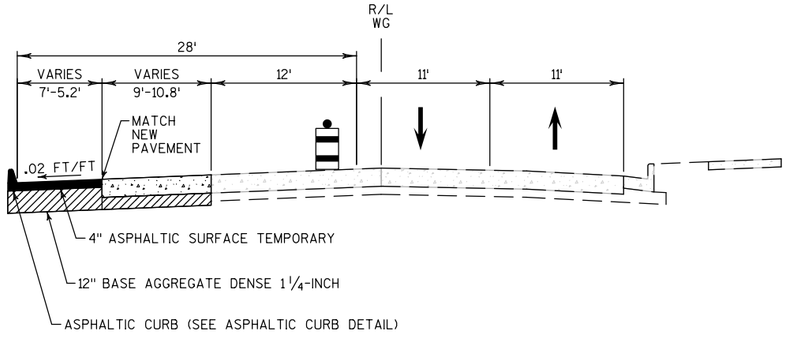
TYPICAL SECTION - ROSE STREET RAMP CROSSOVER

STA 92+00 RN TO STA 96+25 RN



TYPICAL SECTION - ROSE STREET WIDENING

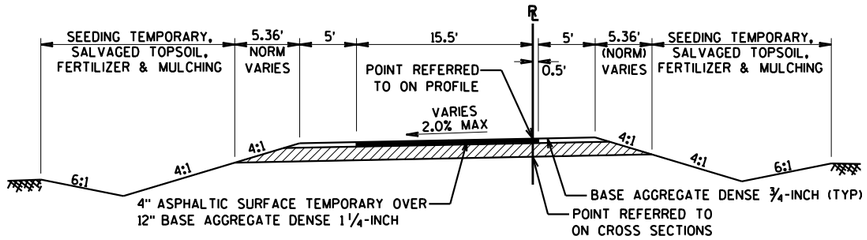
STA 87+80 RN TO STA 98+00.00 RN



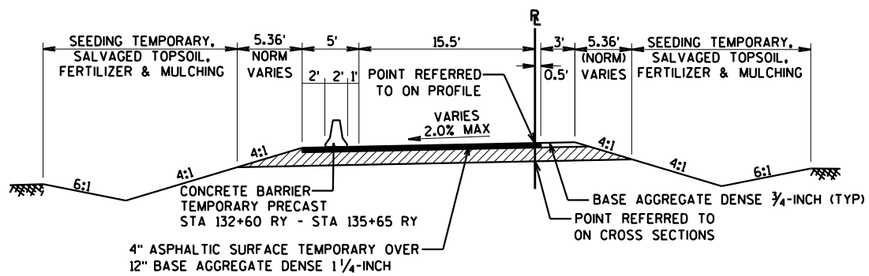
TYPICAL SECTION - STH 35 WIDENING

STA 145+49 WG TO STA 146+25 WG

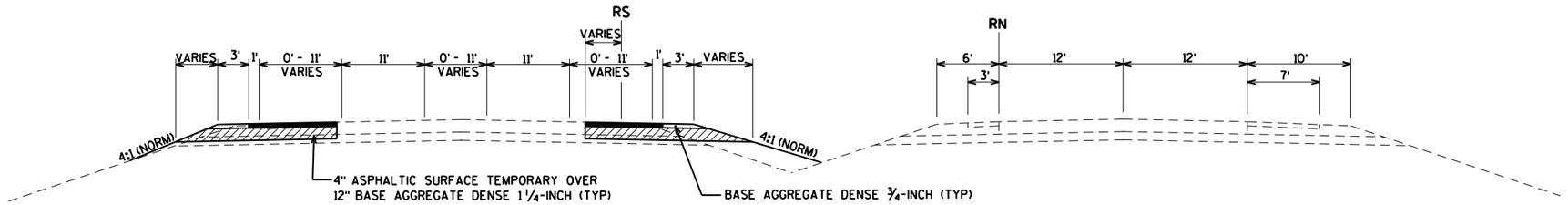
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 22	E



TYPICAL FINISHED SECTION - 'RW' CROSSOVER

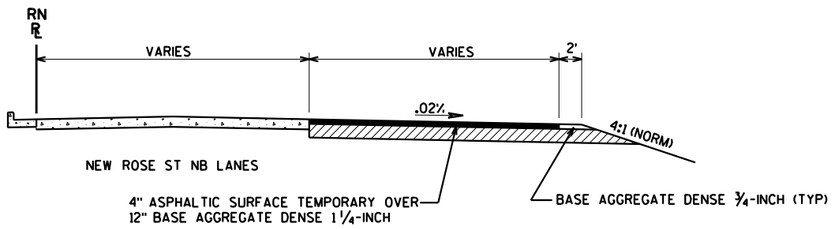


TYPICAL FINISHED SECTION - 'RY' CROSSOVER



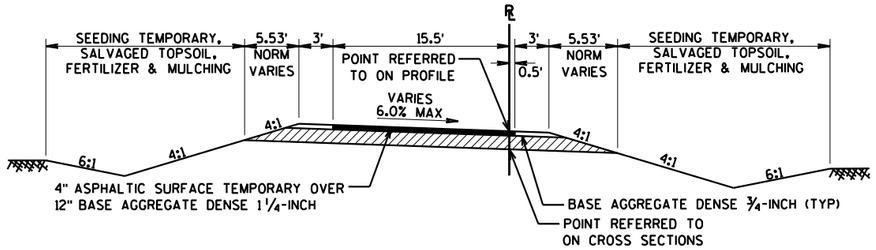
TYPICAL FINISHED SECTION - ROSE ST/USH 53/STH 35 WIDENING

STAGES 1A/1B/1C



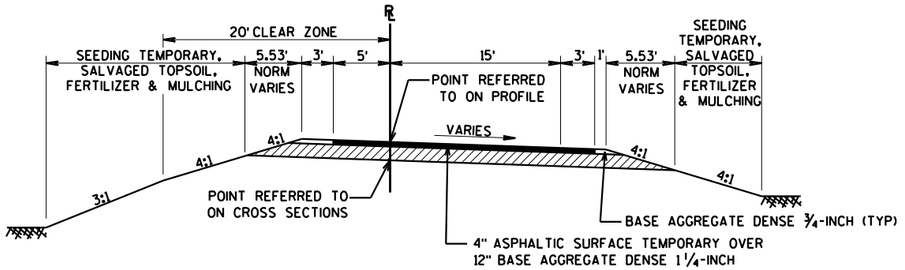
TYPICAL FINISHED SECTION - ROSE ST/USH 53/STH 35 WIDENING

STAGES 2A/2B



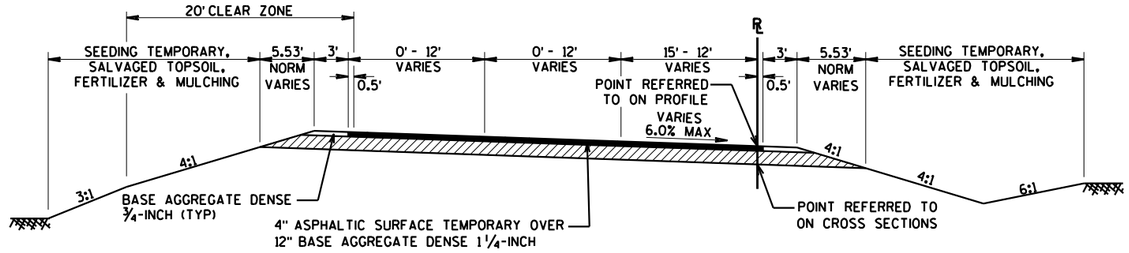
TYPICAL FINISHED SECTION - TEMPORARY RAMPS

'EW' RAMP
'FY' RAMP
'FX' RAMP



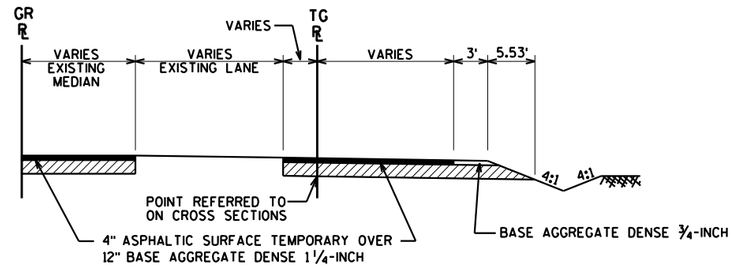
TYPICAL FINISHED SECTION - TEMPORARY CONNECTION

STA 198+00.00 HX - STA 200+00.00 HX



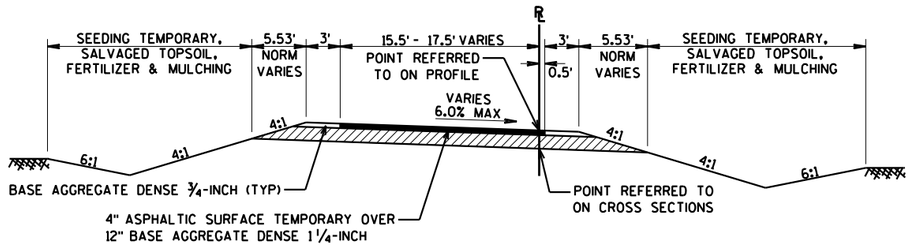
TYPICAL FINISHED SECTION - TEMPORARY RAMPS

'GY' RAMP
'GZ' RAMP



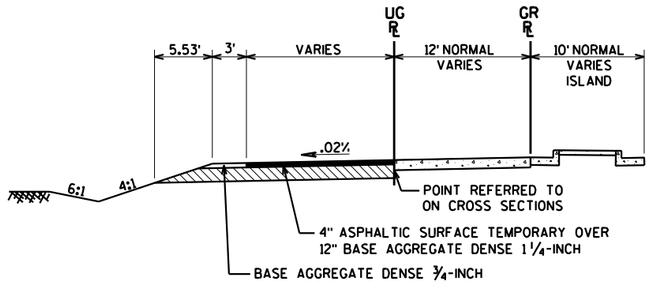
TYPICAL FINISHED SECTION - TG WIDENING

STA 20+00.00 TG - STA 21+55.00 TG



TYPICAL FINISHED SECTION - 'HX' TEMPORARY RAMP

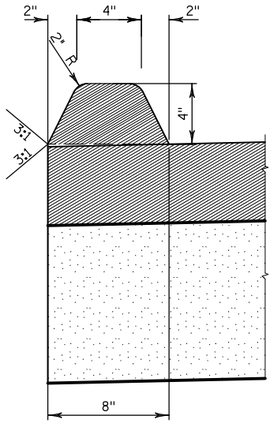
STA 202+56.65 HX - STA 208+17.59 HX



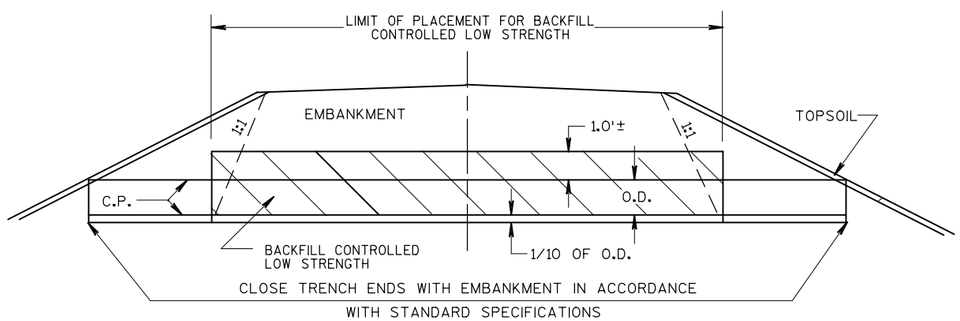
TYPICAL FINISHED SECTION - UG WIDENING

STA 19+75.55 UG - STA 20+30.00 UG

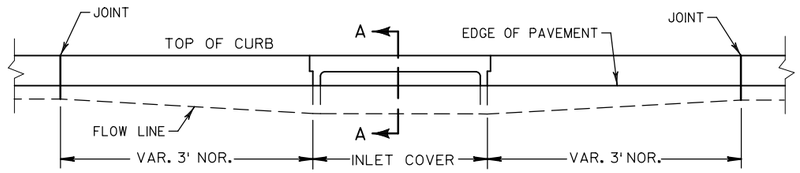
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TYPICAL SECTIONS - TEMPORARY	SHEET 24	E



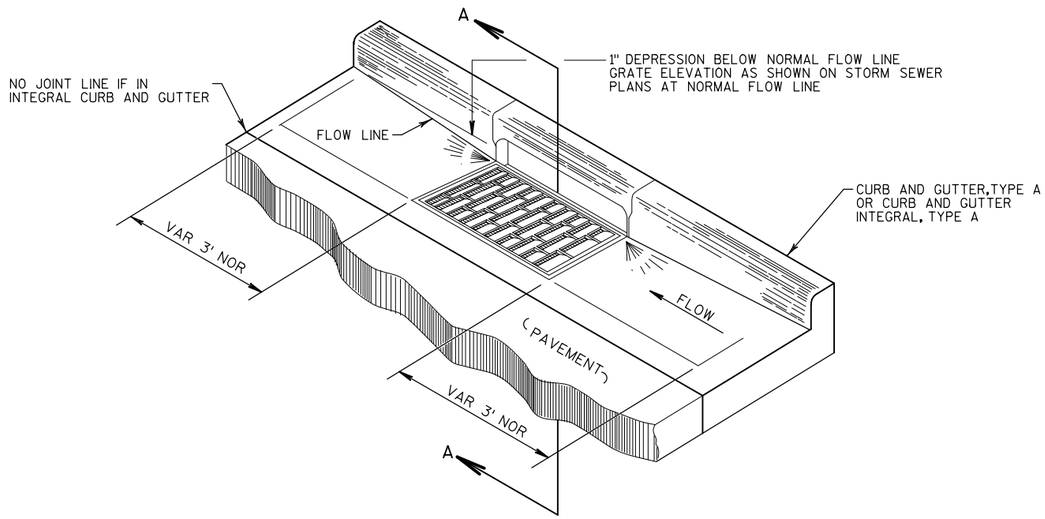
ASPHALTIC CURB DETAIL

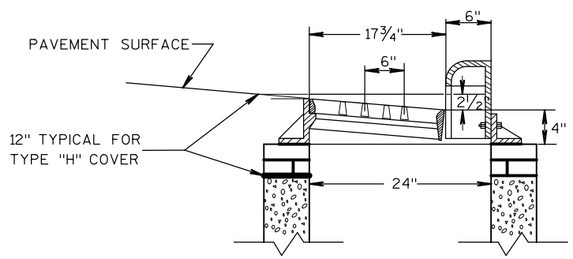


CULVERT BACKFILL DETAIL



ELEVATION

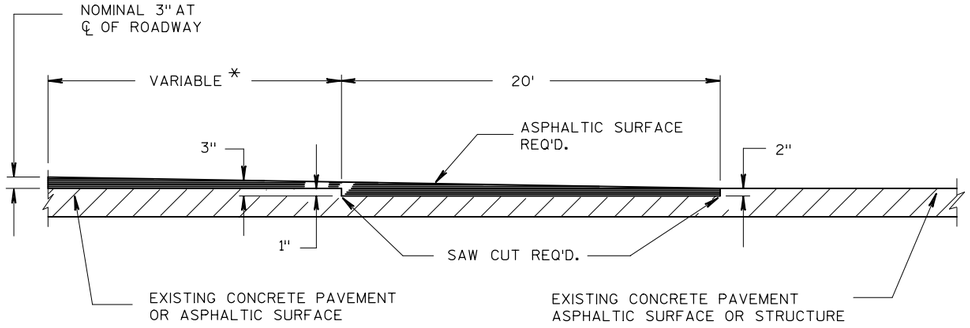




SECTION A-A

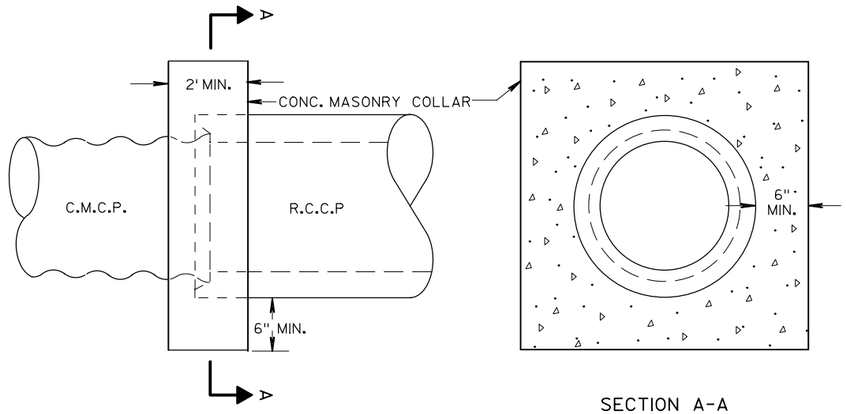
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)



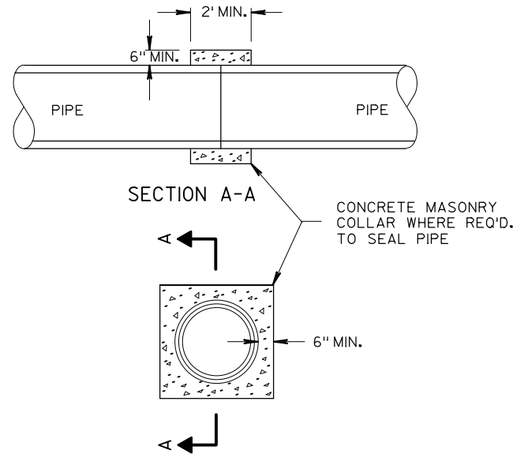
DETAIL OF BUTTED JOINT

* EXACT DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.



SECTION A-A

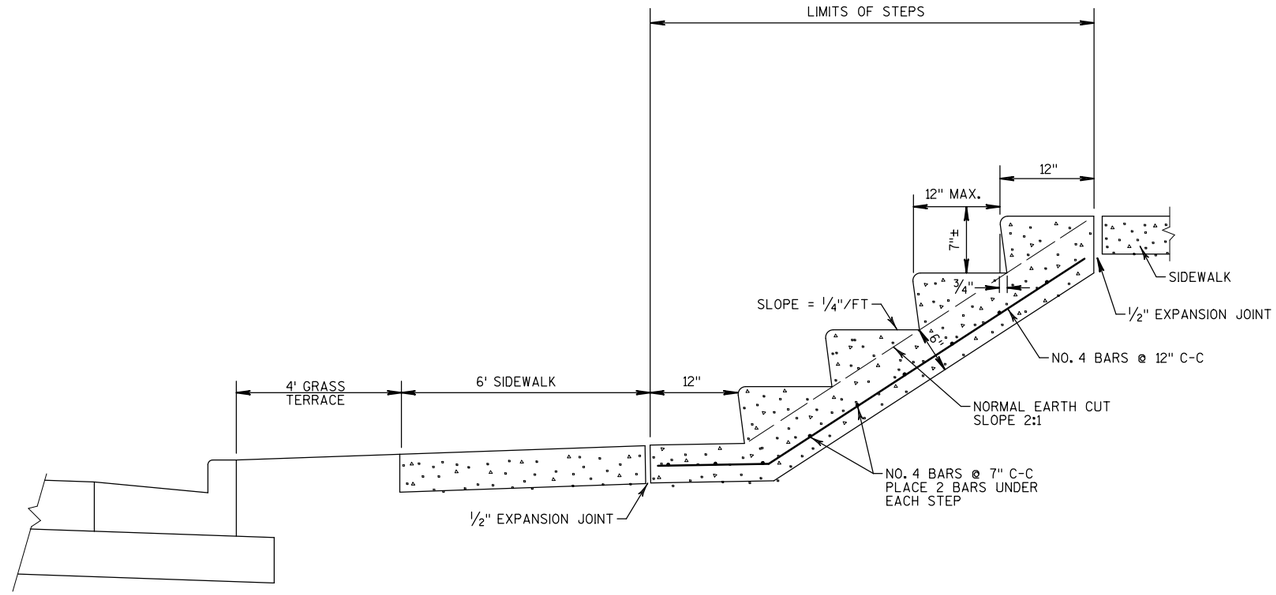
CONNECTION DETAIL R.C.C.P. TO C.M.C.P.



CONCRETE COLLAR DETAIL

PROJECT NO: 1071-06-82/83/7190-03-72	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 26	E

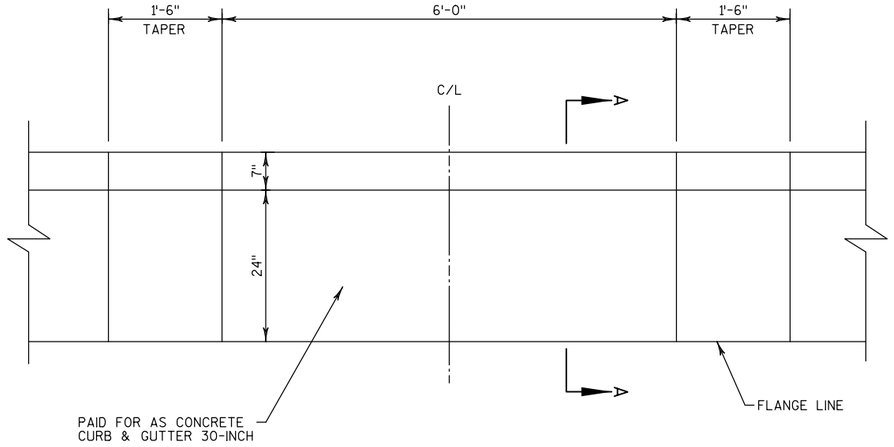
2



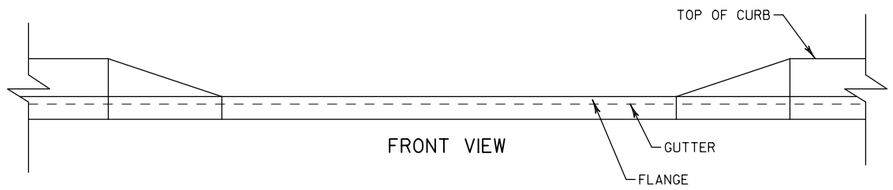
NOTE:

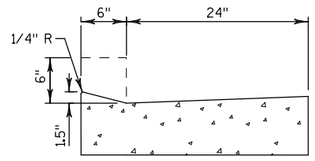
THE EXACT LOCATION, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONCRETE STEPS DETAIL



PLAN VIEW

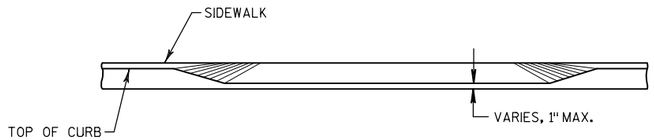




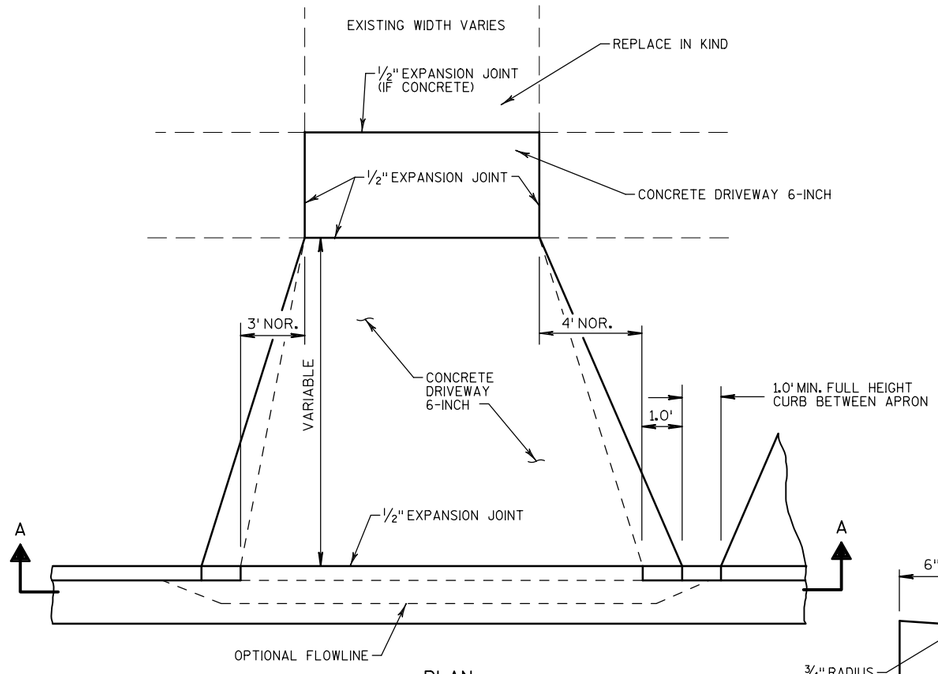
SECTION A-A

MAINTENANCE OPENING

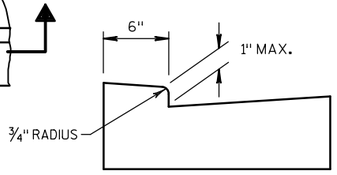
STA 57+88 RN
STA 69+38 RN
STA 74+00 RN
STA 84+63 RS
STA 93+25 RN



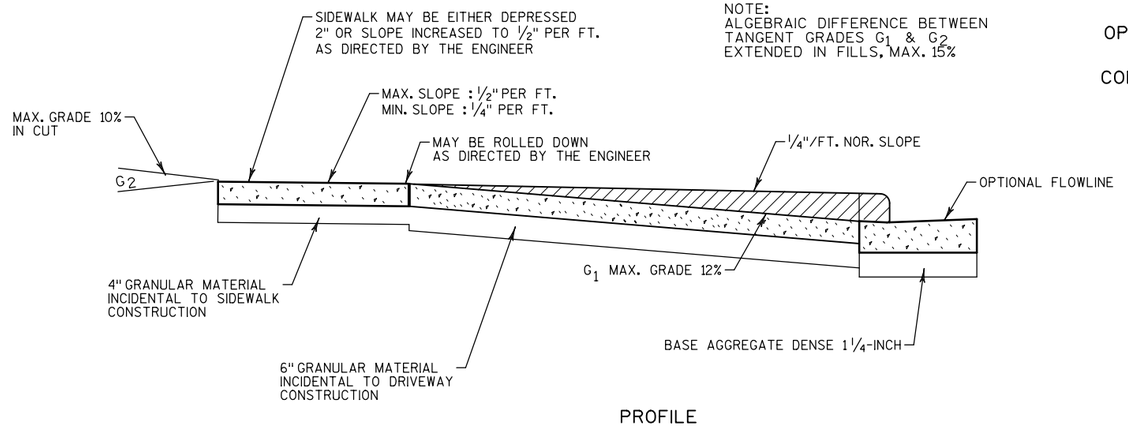
SECTION A-A



PLAN



OPTIONAL METHOD
FOR
CONCRETE GUTTER

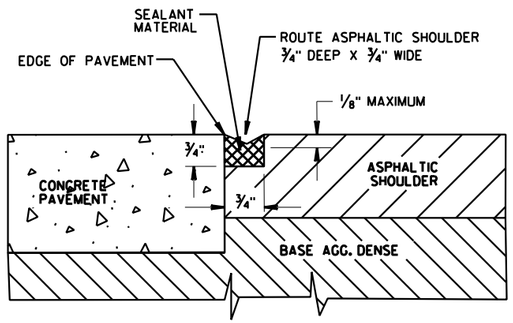


NOTE:
ALGEBRAIC DIFFERENCE BETWEEN
TANGENT GRADES G_1 & G_2
EXTENDED IN FILLS, MAX. 15%

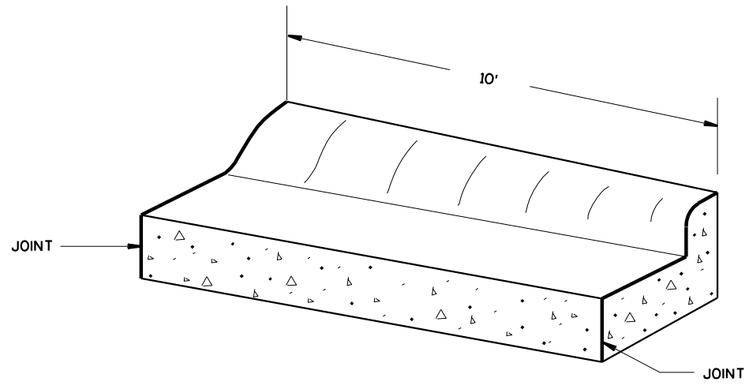
PROFILE

URBAN DRIVEWAY DETAIL

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 28	E



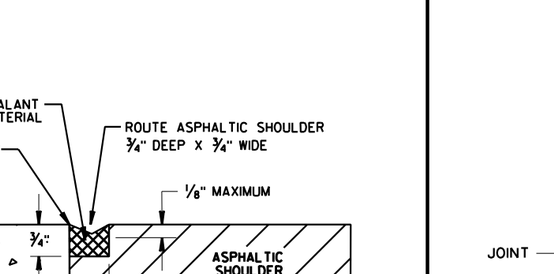
ROUTE AND SEAL DETAIL



TRANSITION DETAIL

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A TO CONCRETE CURB & GUTTER 30-INCH TYPE A (TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A)

CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A SEE CONCRETE CURB & GUTTER INTEGRAL DETAIL FOR CURB HEAD TYPES. (TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A)

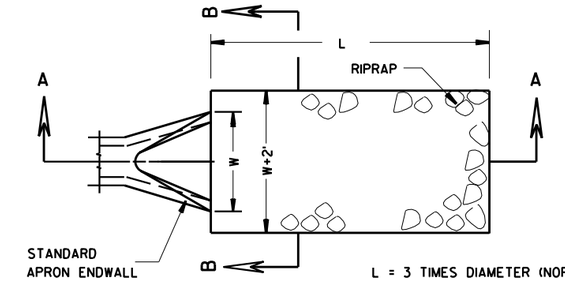


FRONT VIEW

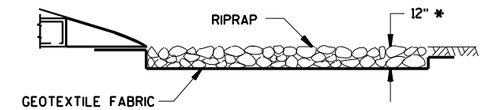
SECTION VIEW

CULVERT PIPE CHECKS

(PLACE AT ALL INLET ENDS OF ALL PIPES)

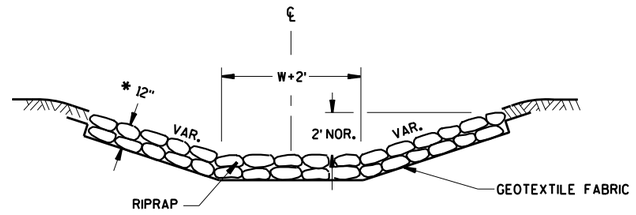


L = 3 TIMES DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER



SECTION A-A

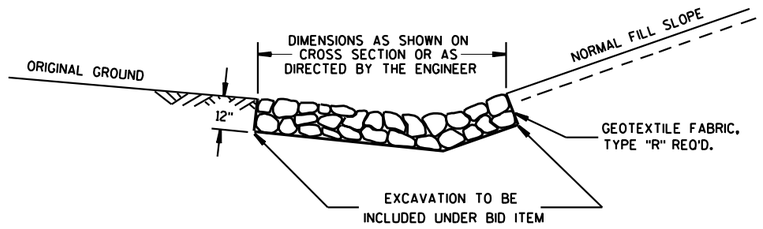
USE 1' MIN DEPTH FOR RIPRAP LIGHT
USE 2' MIN DEPTH FOR RIPRAP HEAVY



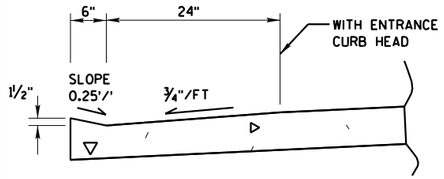
SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

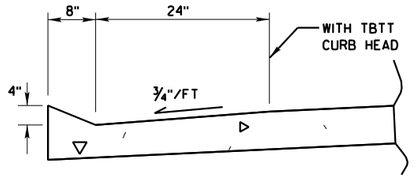
NOTE: SEE MISCELLANEOUS QUANTITIES FOR TYPE OF RIPRAP AND GEOTEXTILE FABRIC TO BE USED.



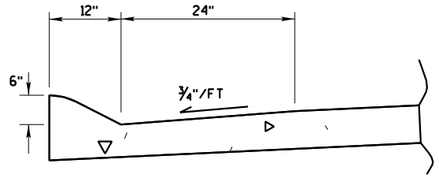
DETAIL FOR RIPRAP IN DITCHES



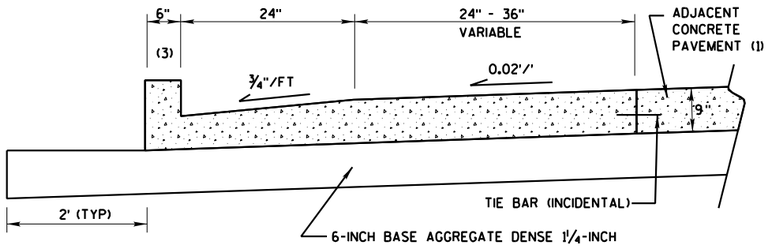
ENTRANCE CURB HEAD



TBTT CURB HEAD



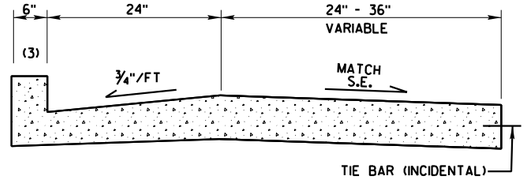
6" SLOPED CURB HEAD



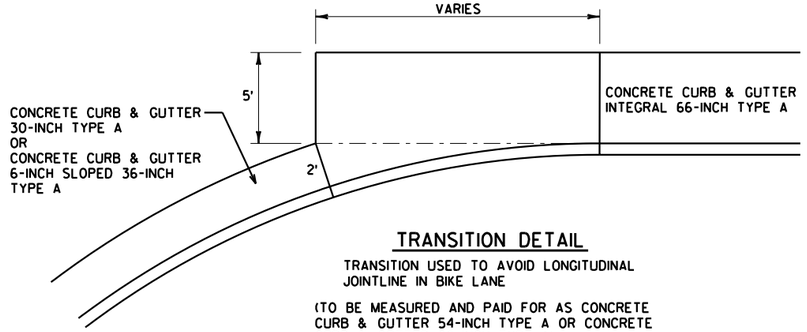
NOTES:
(1) CONCRETE CURB AND GUTTER IS TO BE CONSTRUCTED WITH A UNIFORM THICKNESS OF 9-INCHES OR EQUIVALENT ADJACENT PAVEMENT THICKNESS.
(2) NO LONGITUDINAL JOINT LINE WITHIN GUTTER SECTION
(3) SEE SDD "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION ON CURB HEAD LAYOUT.

CONCRETE CURB AND GUTTER INTEGRAL

TO BE MEASURED AND PAID FOR AS CONCRETE CURB AND GUTTER INTEGRAL 66-INCH TYPE A OR CONCRETE CURB AND GUTTER INTEGRAL 54-INCH TYPE A



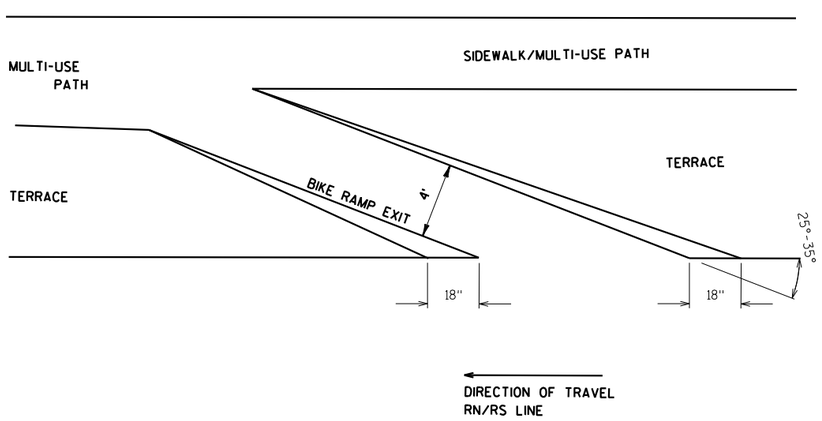
SUPERELEVATED SECTION

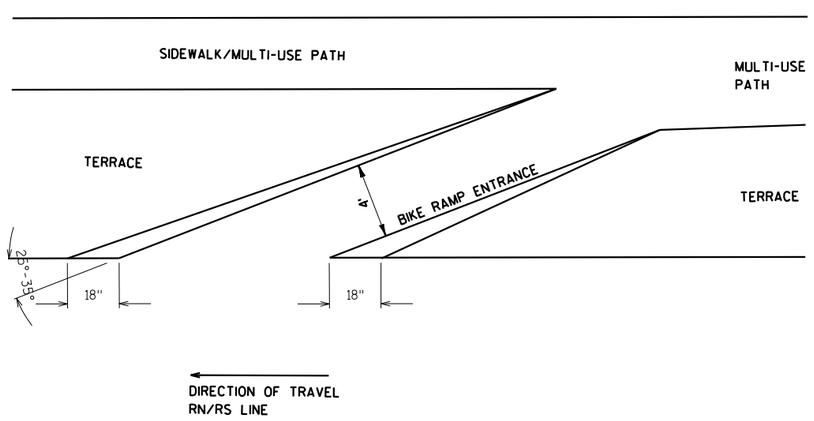


TRANSITION DETAIL

TRANSITION USED TO AVOID LONGITUDINAL JOINTLINE IN BIKE LANE

(TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 54-INCH TYPE A OR CONCRETE CURB & GUTTER 66-INCH TYPE A)

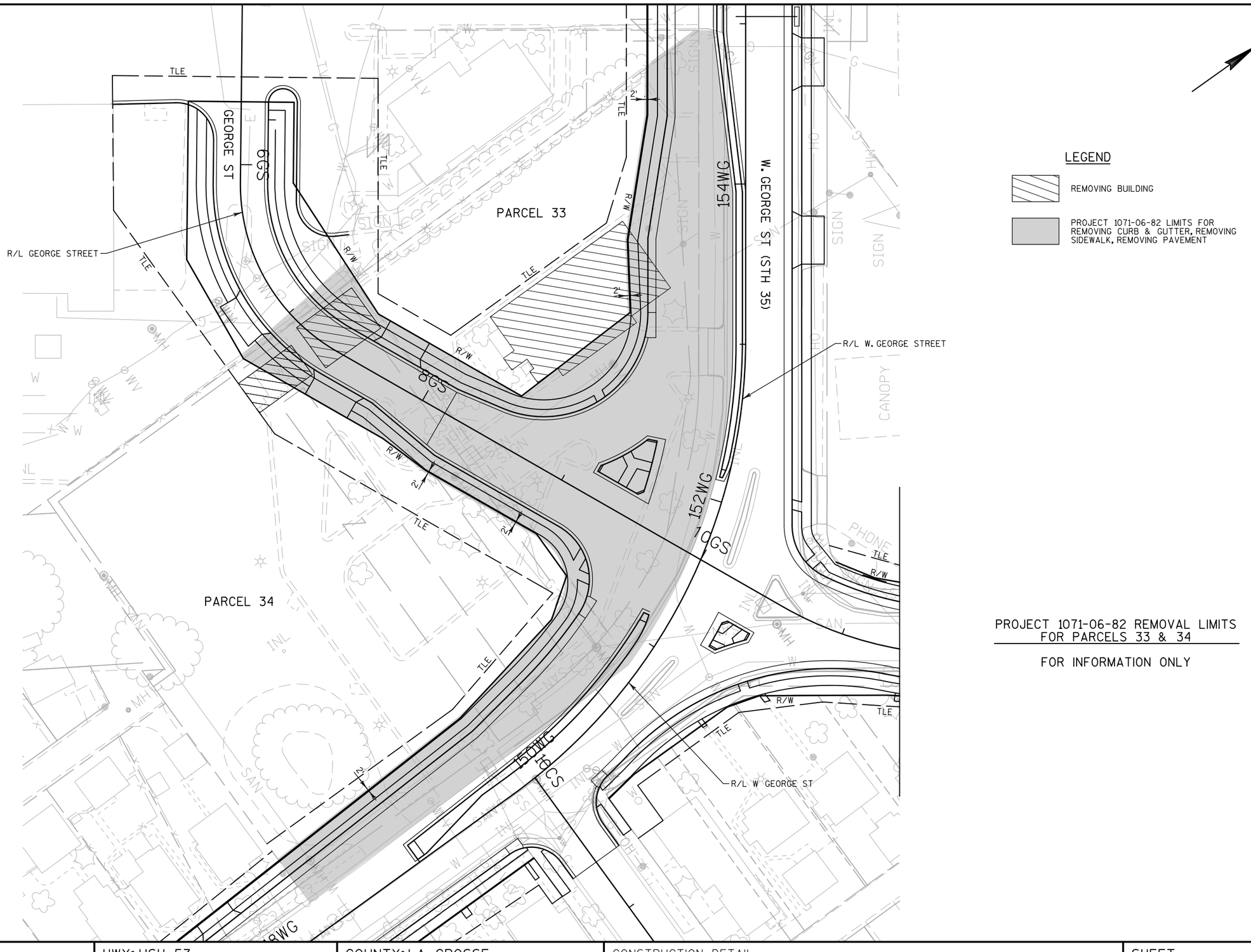




BIKE RAMP ENTRANCE AND EXIT

RN & RS ALIGNMENTS
(TO BE MEASURED AND PAID FOR AS CONCRETE SIDEWALK 5-INCH)

PROJECT NO: 1071-06-82/83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 30	E



LEGEND

REMOVING BUILDING

PROJECT 1071-06-82 LIMITS FOR REMOVING CURB & GUTTER, REMOVING SIDEWALK, REMOVING PAVEMENT

PROJECT 1071-06-82 REMOVAL LIMITS FOR PARCELS 33 & 34

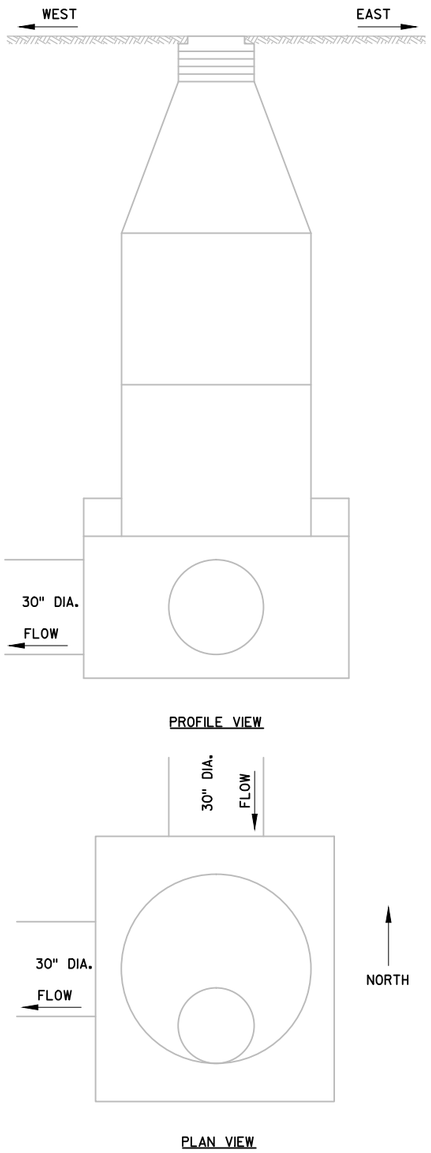
FOR INFORMATION ONLY

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL	SHEET 31	E

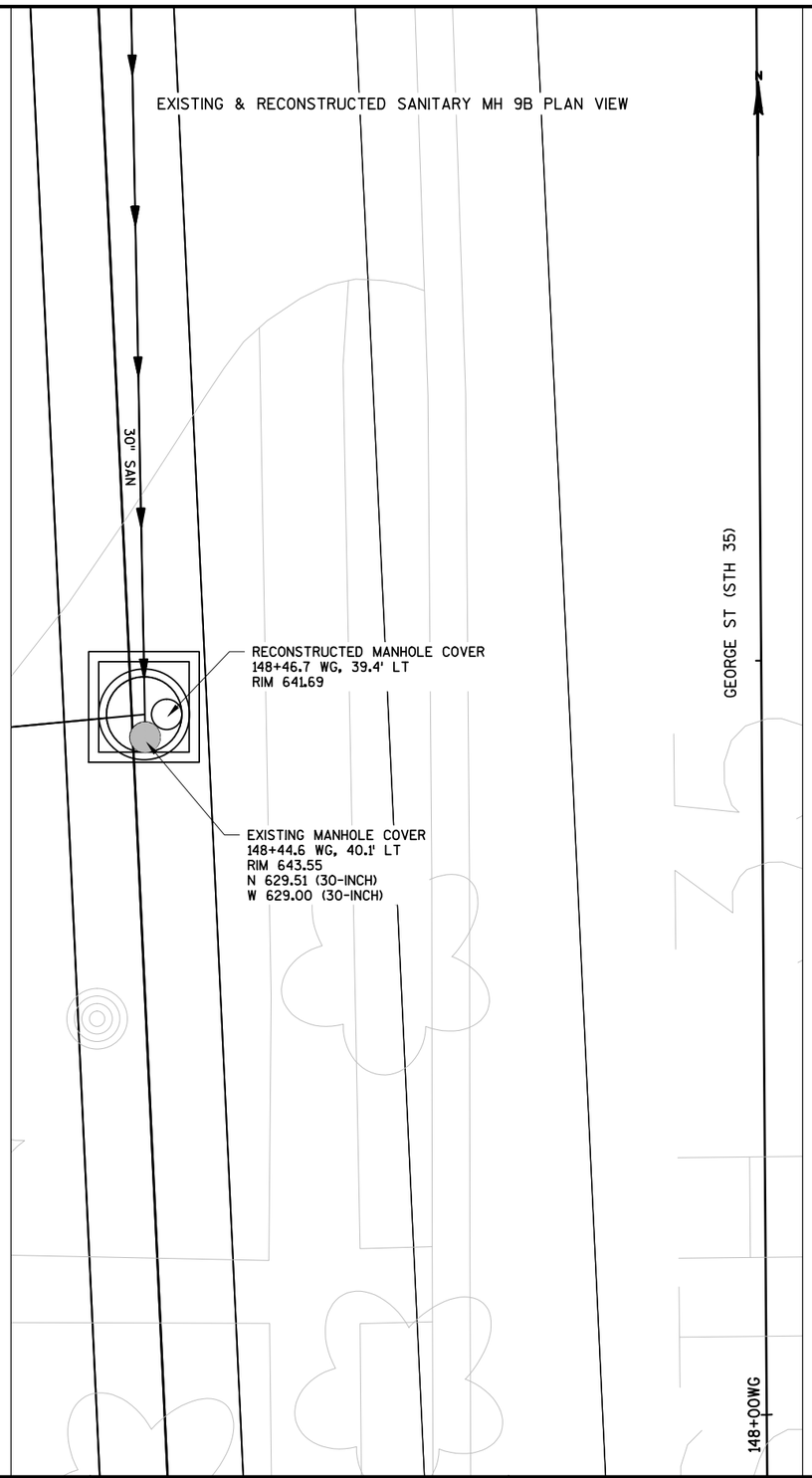
FILE NAME : ch_0682_021060_cd.dgn PLOT DATE : 10-OCT-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 60:1

WISDOT/CADDS SHEET 42

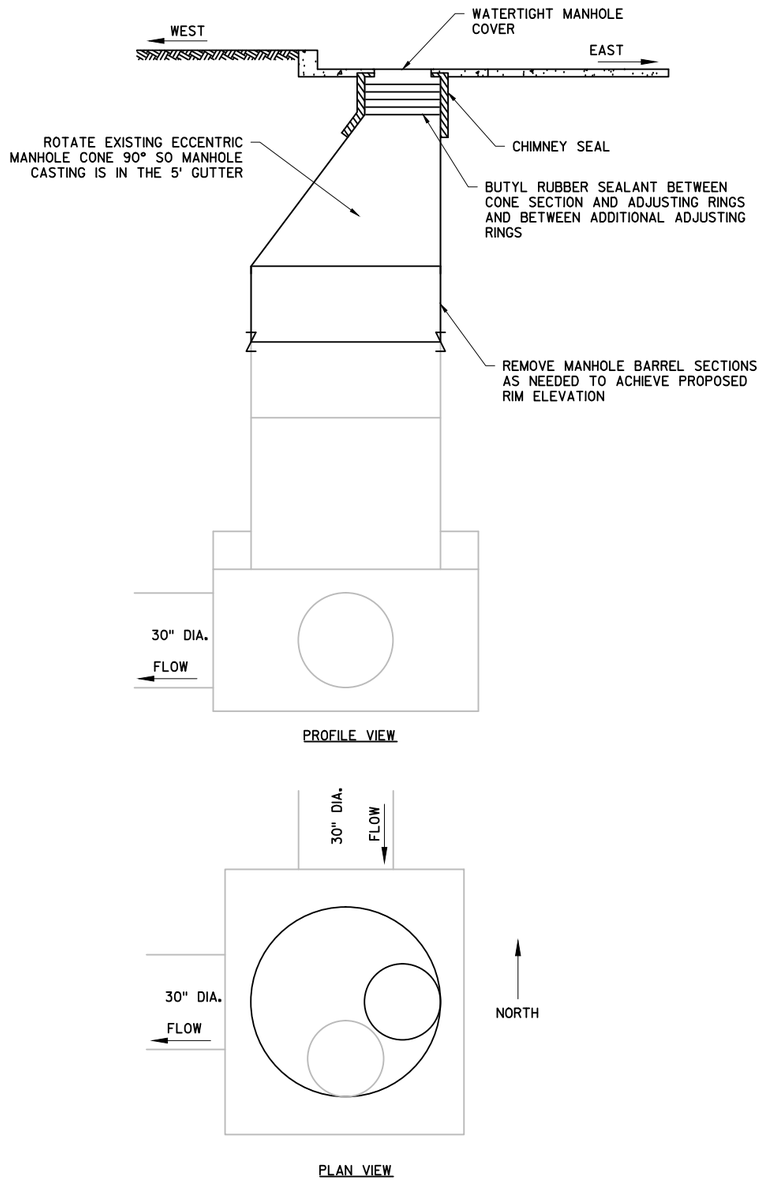
EXISTING SANITARY MH 9B



EXISTING & RECONSTRUCTED SANITARY MH 9B PLAN VIEW

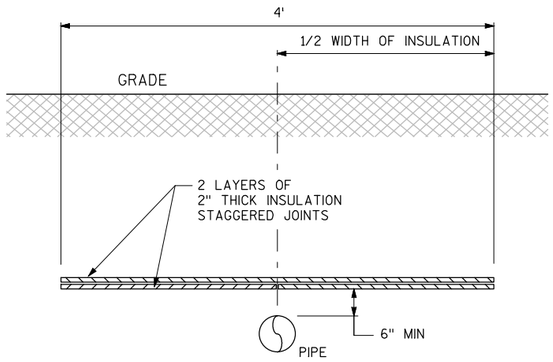


RECONSTRUCTED SANITARY MH 9B



SANITARY MANHOLE MODIFICATIONS
NOT TO SCALE

2



LOCATION:
STA 14+70 GS - 14+90 GS

TRENCH INSULATION

NOT TO SCALE

ROSE STREET (USH 53)

CURB RAMP TYPE 2

STA 53+59.09RN, 30.11' RT
644.83

STA 53+59.99RN, 32.47' RT
644.75

STA 10+41.22RN, 31.75' LT
644.69

STA 10+41.12LS, 31.03' RT
644.34

STA 10+40.00LS,
30.00' LT
644.42

STA 53+65.63RN, 27.81' RT
644.94

STA 53+61.74RN, 48.76' RT
645.29

4.0%

1.5%

STA 53+66.10RN, 29.76' RT
644.86

STA 53+66.10RN, 32.48' RT
644.90

0.4%

STA 53+66.10RN, 37.00' RT
644.88

STA 53+90.13RN, 37.00' RT
645.97

CURB RAMP TYPE 2

CURB RAMP TYPE 2

STA 10+45LS, 24.00' LT
644.30

4.0%

1.5%

5.4%

1.5%

7.0%

1.5%

1.5%

STA 53+36.46RN, 64.76' RT
644.22

+50LS

STA 53+66.10RN, 43.00' RT
644.79

STA 53+90.26RN, 43.00' RT
646.06

STA 53+59.97RN, 37.00' RT
644.79

STA 10+47.16LS, 30.95' LT
644.30

STA 53+59.12RN, 43.00' RT
644.70

N

LIVINGSTON STREET

STA 10+63.84LS, 17.66' LT
643.36

R/L LIVINGSTON ST

CURB RAMP TYPE 4B1

11LS

MATCH EXISTING
ELEV 642.47

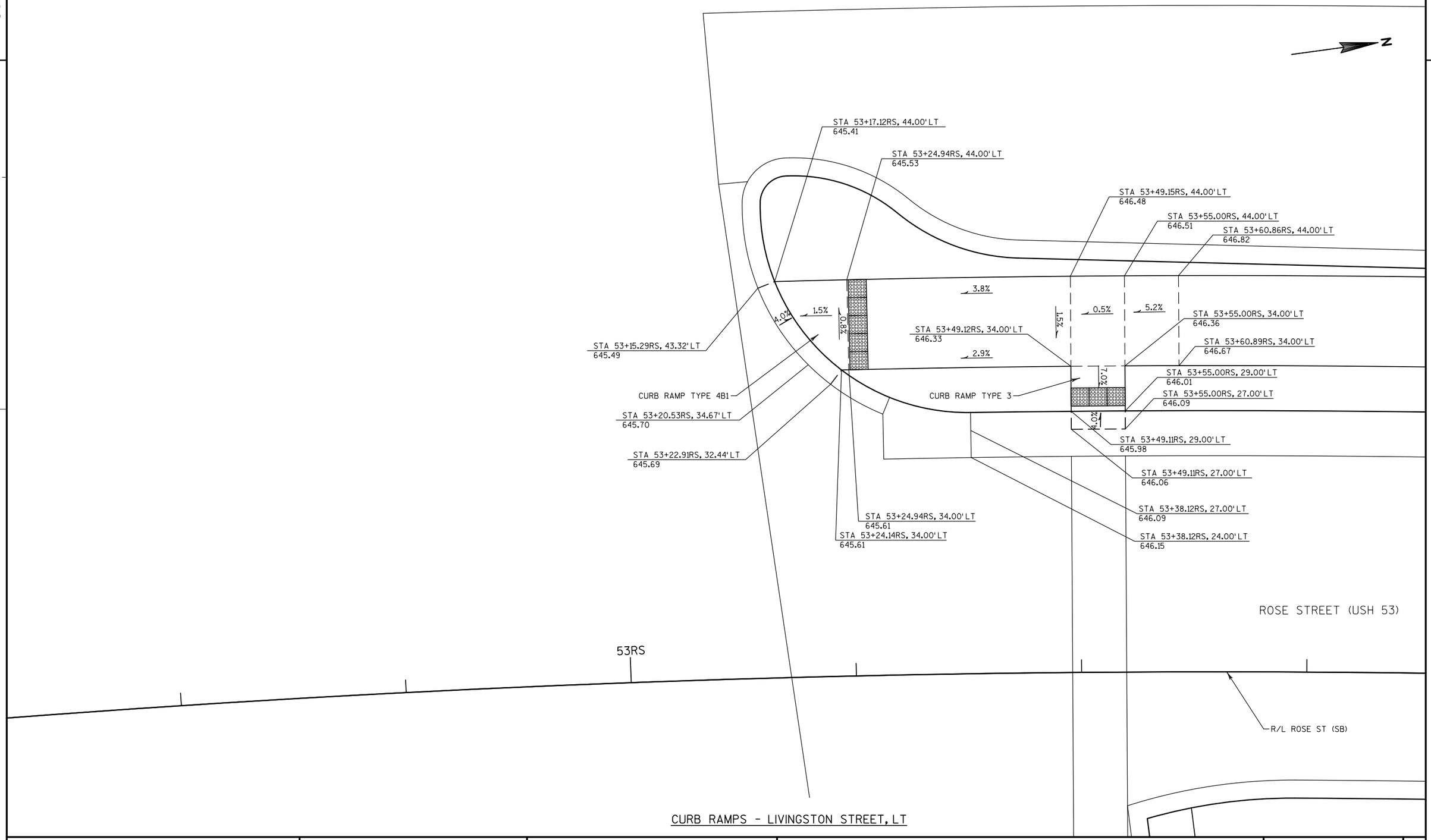
MATCH EXISTING
ELEV 642.46

CURB RAMPS - LIVINGSTON STREET, RT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 34	E

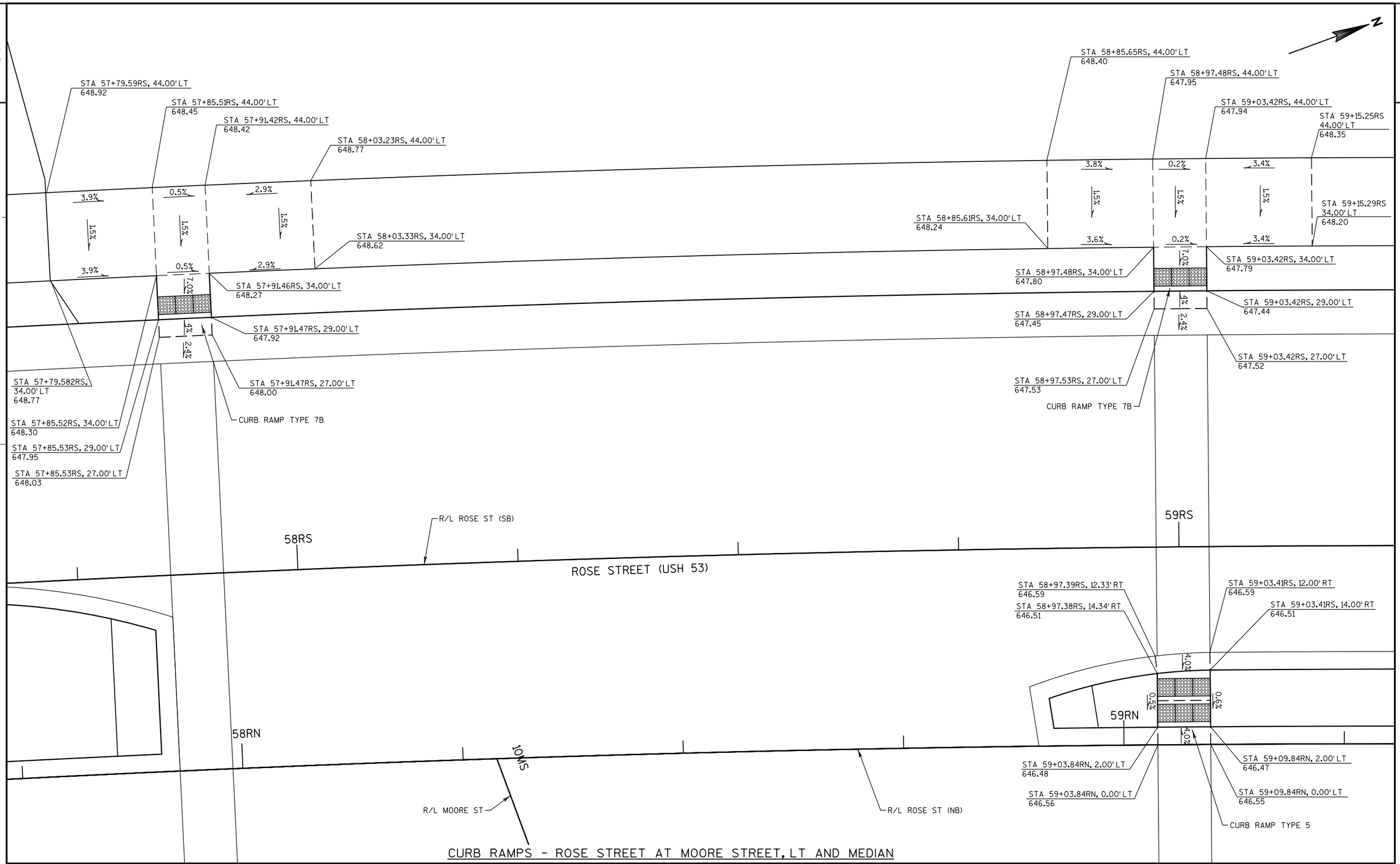
FILE NAME : ch_0682_021009_cd.dgn PLOT DATE : 21-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 10:1

2



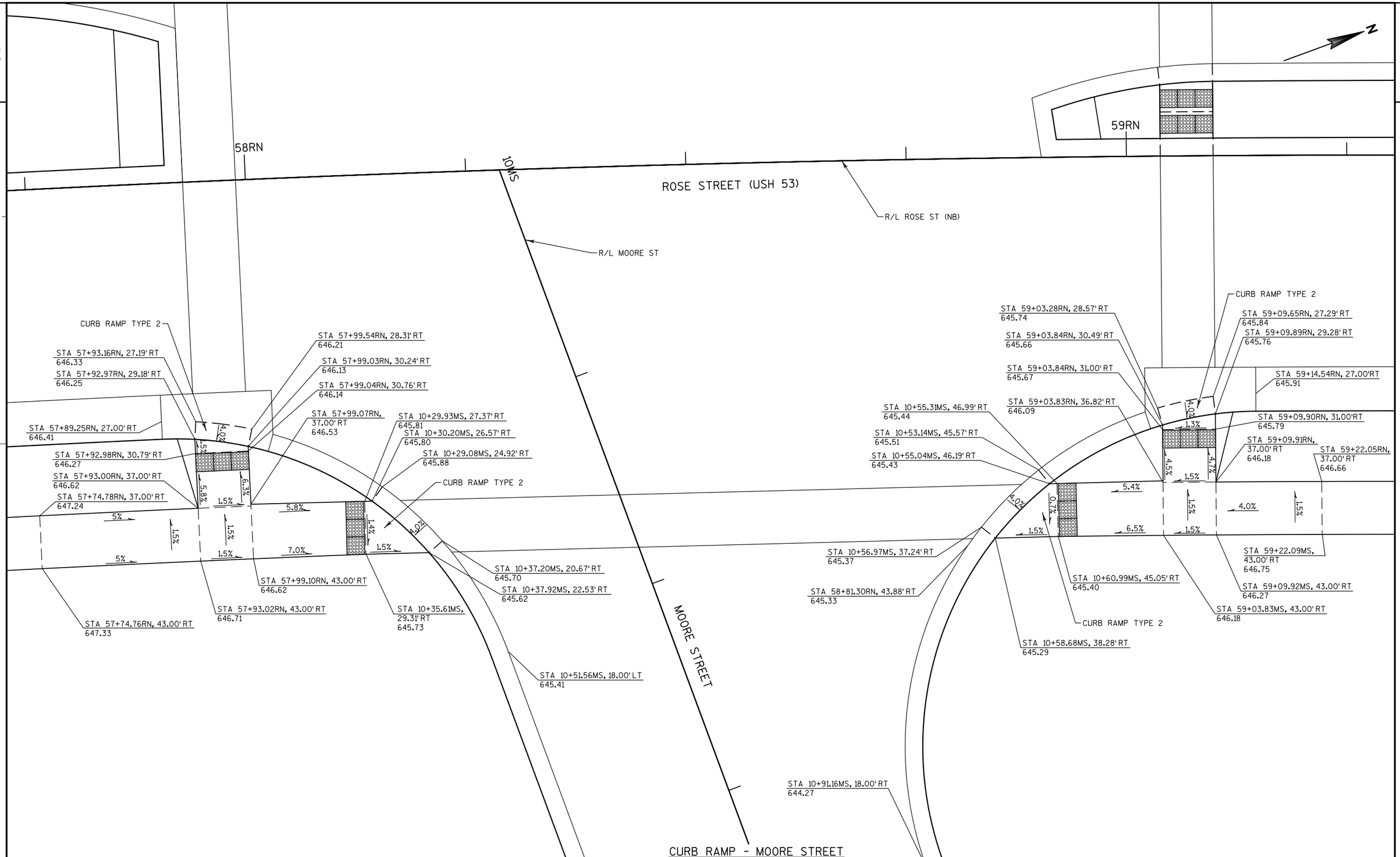
CURB RAMPS - LIVINGSTON STREET, LT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 35	E



CURB RAMPS - ROSE STREET AT MOORE STREET, LT AND MEDIAN

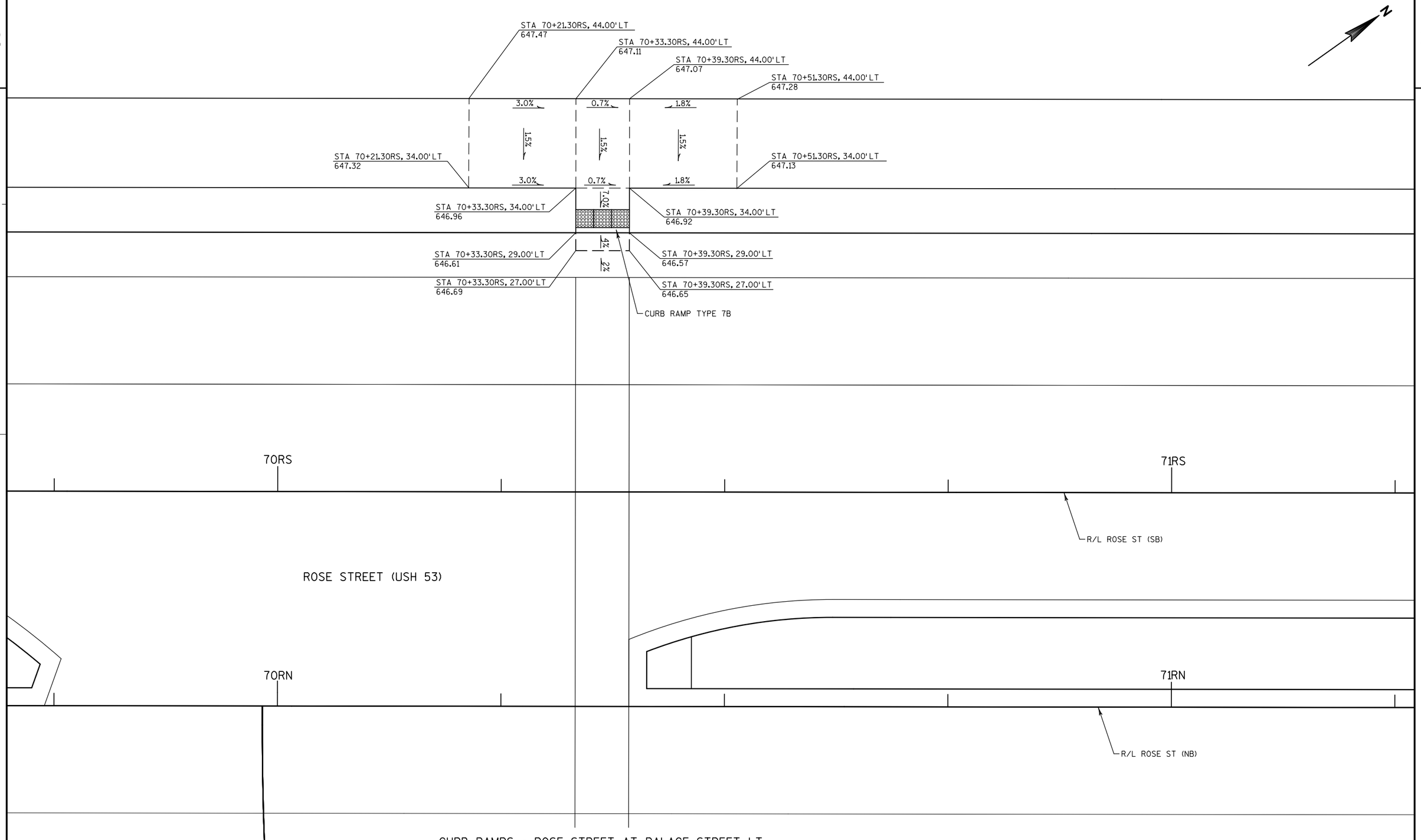
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 36	E



CURB RAMP - MOORE STREET

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 37	E

2



CURB RAMPS - ROSE STREET AT PALACE STREET, LT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 38	E

2

69RN

70RN

10PS

R/L ROSE ST (NB)

ROSE STREET (USH 53)

STA 69+25.23RN, 41.00' RT
646.77

STA 69+23.62RN, 51.00' RT
646.89

STA 69+23.62RN, 57.00' RT
646.95

1.5%

1.8%

1.5%

1.5%

1.5%

STA 10+45.09PS, 47.78' RT
646.34

STA 10+45.20PS, 46.79' RT
646.39

STA 10+43.81PS, 45.57' RT
646.47

STA 10+45.63PS, 43.05' RT
646.44

4.0%

CURB RAMP TYPE 4B1

STA 10+49.80PS, 38.28' RT
646.38

STA 10+51.00PS, 39.77' RT
646.30

STA 10+50.30PS, 48.58' RT
646.43

+50PS

R/L PALACE ST

PALACE STREET

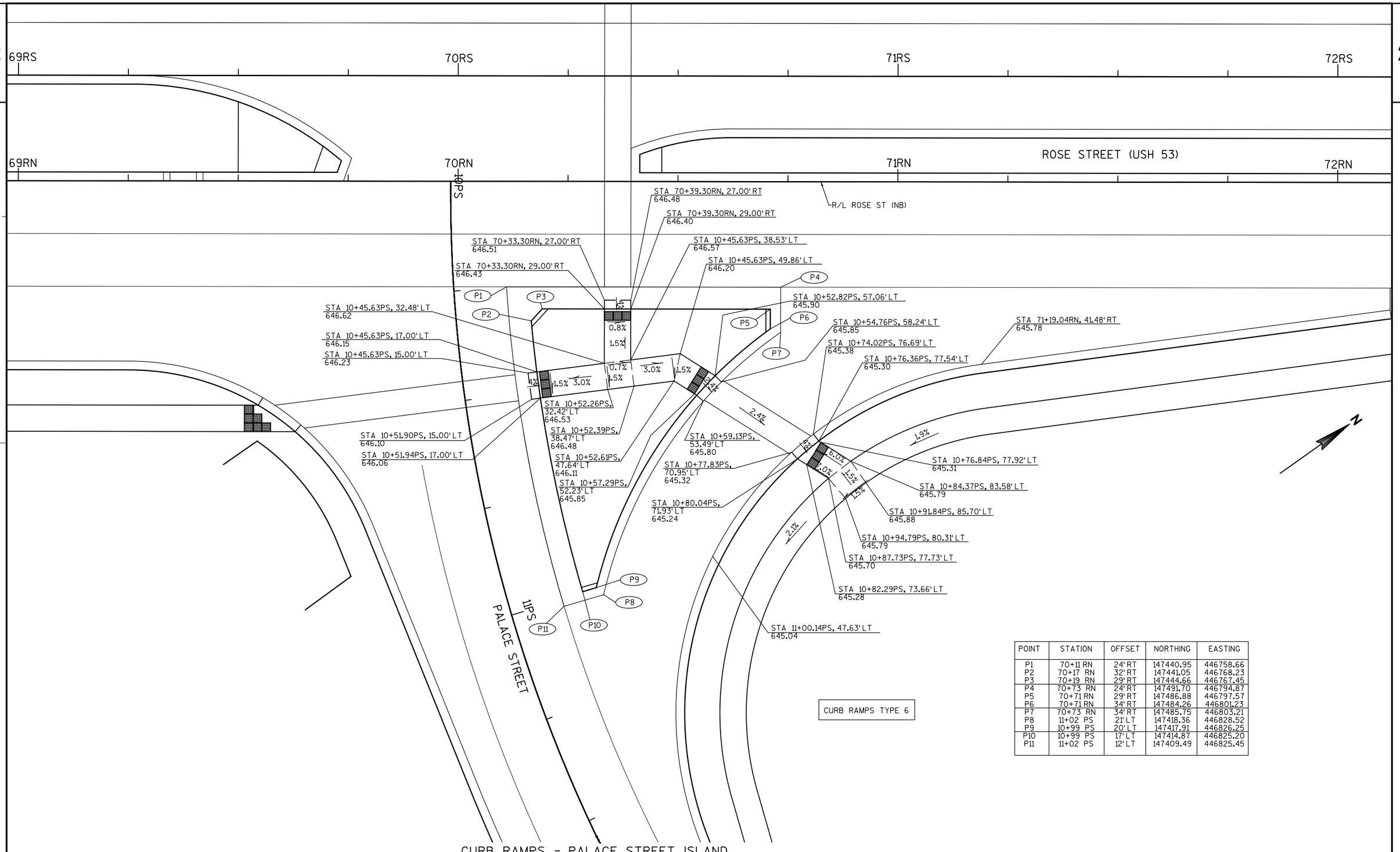
STA 10+73.68PS, 25.53' RT
646.11

CURB RAMP - PALACE STREET, LT

2

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 39	E

FILE NAME : ch_0682_021013_cd.dgn PLOT DATE : 28-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 10:1



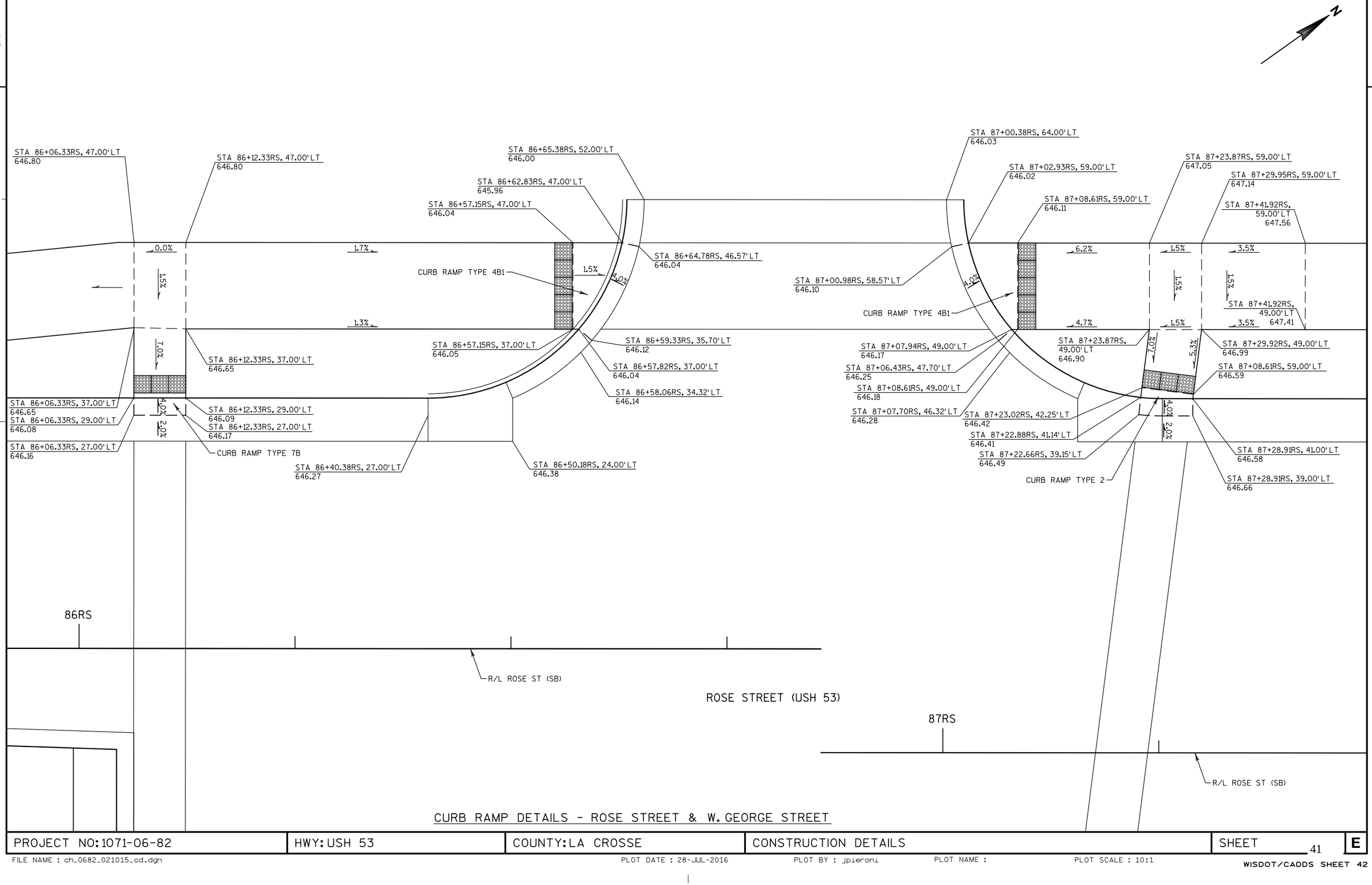
POINT	STATION	OFFSET	NORTHING	EASTING
P1	70+11 RN	24' RT	147440.95	446758.66
P2	70+17 RN	32' RT	147441.05	446768.23
P3	70+19 RN	29' RT	147444.66	446767.45
P4	70+73 RN	24' RT	147491.70	446794.87
P5	70+71 RN	29' RT	147486.88	446797.57
P6	70+71 RN	34' RT	147484.26	446801.23
P7	70+73 RN	34' RT	147485.75	446803.21
P8	11+02 PS	21' LT	147418.36	446828.52
P9	10+99 PS	20' LT	147417.91	446826.25
P10	10+99 PS	17' LT	147414.87	446825.20
P11	11+02 PS	12' LT	147409.49	446825.45

CURB RAMPS TYPE 6

CURB RAMPS - PALACE STREET, ISLAND

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 40	E

2



CURB RAMP DETAILS - ROSE STREET & W. GEORGE STREET

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 41	E

86RN

87RN

2

2

R/L ROSE ST (NB)

N

ROSE STREET (USH 53)

STA 85+92.67RN, 53.00' RT
645.67

STA 86+06.61RN, 54.64' RT
645.49

STA 86+06.14RN, 56.59' RT
645.41

CURB RAMP TYPE 2

STA 86+12.82RN, 56.48' RT
645.40

STA 86+12.14RN, 58.37' RT
645.32

STA 86+12.14RN, 58.90' RT
645.33

STA 86+12.14RN, 66.30' RT
645.70

STA 157+19.78WG, 69.82' LT
645.05

STA 157+21.31WG, 68.54' LT
645.13

STA 86+06.14RN, 58.90' RT
645.44

STA 85+91.60RN, 59.00' RT
646.17

7.0%

5.0%

2.5%

1.5%

1.5%

1.5%

1.5%

1.5%

2.6%

4.3%

1.5%

1.5%

7.0%

1.5%

1.5%

STA 85+90.61RN, 65.00' RT
646.26

STA 86+06.14RN, 63.94' RT
645.79

STA 86+04.27RN, 69.64' RT
645.88

STA 86+09.63RN, 71.75' RT
645.79

STA 157+16.72WG, 78.49' LT
645.45

STA 157+11.83WG, 81.98' LT
645.54

STA 157+07.87WG, 77.10' LT
645.45

CURB RAMP TYPE 2

STA 157+16.53WG, 63.44' LT
645.03

STA 157+15.15WG, 64.89' LT
644.95

STA 157+13.93WG, 68.37' LT
645.01

STA 157+12.28WG, 73.03' LT
645.36

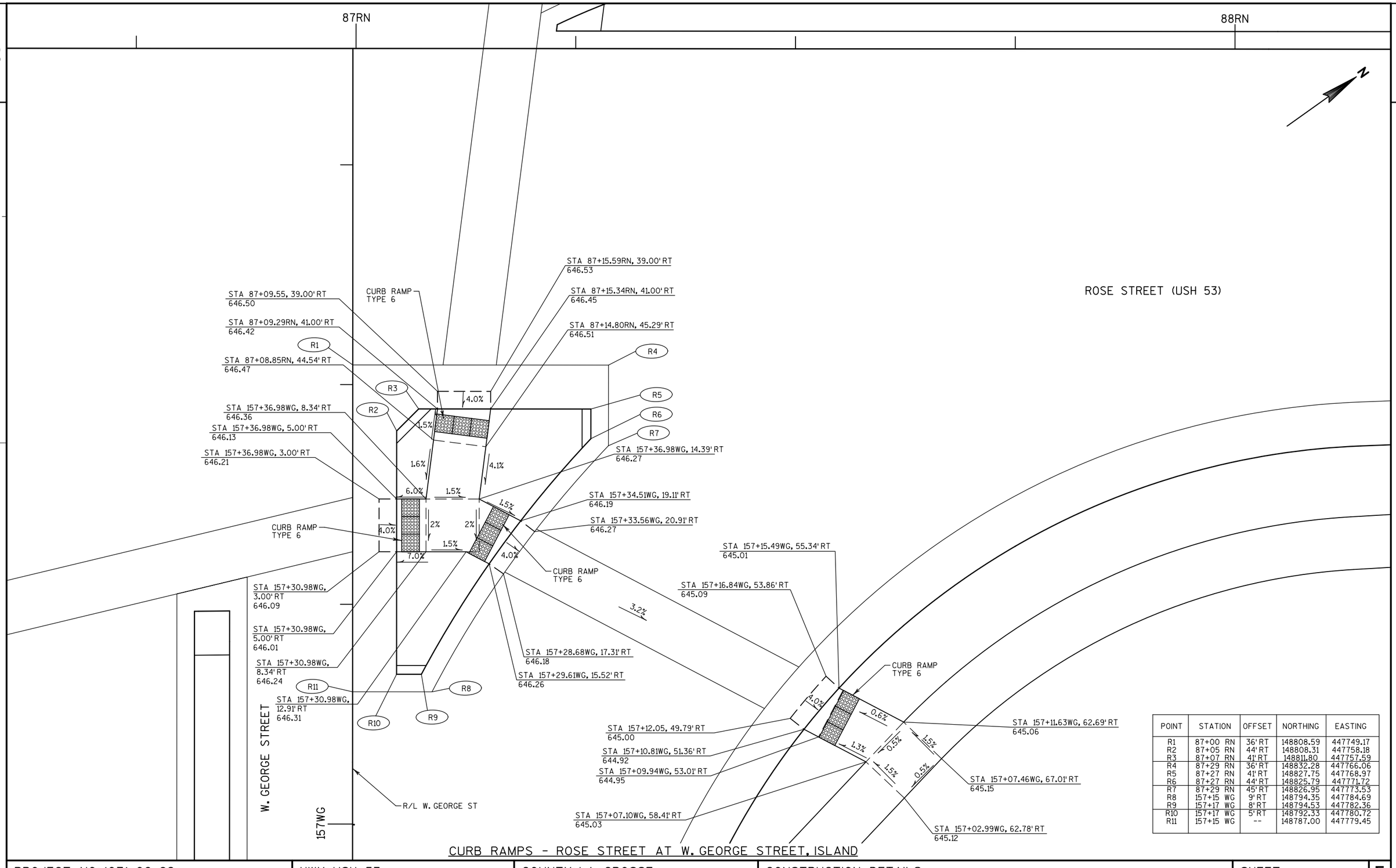
R/L W. GEORGE ST

W. GEORGE STREET

157WG

CURB RAMPS - ROSE STREET AT W. GEORGE STREET, RT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 42	E



POINT	STATION	OFFSET	NORTHING	EASTING
R1	87+00 RN	36' RT	148808.59	447749.17
R2	87+05 RN	44' RT	148808.31	447758.18
R3	87+07 RN	41' RT	148811.80	447757.59
R4	87+29 RN	36' RT	148832.28	447766.06
R5	87+27 RN	41' RT	148827.75	447768.97
R6	87+27 RN	44' RT	148825.79	447771.72
R7	87+29 RN	45' RT	148826.95	447773.53
R8	157+15 WG	9' RT	148794.35	447784.69
R9	157+17 WG	8' RT	148794.53	447782.36
R10	157+17 WG	5' RT	148792.33	447780.72
R11	157+15 WG	--	148787.00	447779.45

CURB RAMPS - ROSE STREET AT W. GEORGE STREET, ISLAND

2

N

145WG

146WG

W. GEORGE STREET (STH 35)

R/L W. GEORGE ST (STH 35)

STA 145+48.78WG, 32.24'LT
641.89

STA 145+53.99WG, 32.66'LT
641.97

STA 145+47.03WG, 31.27'LT
641.97

CONCRETE CURB RAMP TYPE 4B1

1.5%

0.2%

4.0%

3.4%

1.5%

STA 145+53.70WG, 26.62'LT
641.96

STA 145+52.50WG, 25.02'LT
642.04

STA 145+50.95WG, 26.31'LT
642.02

STA 145+66.09WG, 21.09'LT
642.17

STA 145+52.45WG, 26.50'RT
641.10

STA 145+64.36WG, 20.00'RT
640.96

STA 145+51.13WG, 25.00'RT
641.18

CONCRETE CURB RAMP TYPE 4B1

STA 145+46.18WG, 31.67'RT
641.30

CUNNINGHAM STREET

4.0%

1.7%

1.5%

6.5%

6.6%

1.5%

1.5%

1.5%

STA 145+77.22WG, 26.50'RT
642.68

STA 145+83.22WG, 26.50'RT
642.77

STA 145+53.22WG, 32.50'RT
641.19

STA 145+48.00WG, 32.50'RT
641.22

STA 145+83.22WG, 32.50'RT
642.86

STA 145+77.22WG, 32.50'RT
642.77

CURB RAMPS - W. GEORGE STREET (STH 35) AT CUNNINGHAM STREET

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 44	E

2

N

150WG

R/L W. GEORGE ST (STH 35)

W. GEORGE STREET (STH 35)

STA 149+48.44WG, 27.00' RT
641.74

STA 10+32.02CS, 29.96' LT
641.81

STA 10+30.25CS, 29.02' RT
641.89

STA 10+33.85CS, 29.94' RT
641.84

STA 10+34.67CS, 23.05' RT
641.99

CURB RAMP TYPE 1

STA 10+38.36CS, 20.00' RT
642.04

STA 10+39.48CS, 21.67' RT
641.96

STA 10+39.58CS, 23.89' RT
641.95

STA 10+52.34CS, 15.74' RT
642.23

STA 149+30.65WG, 39.50' RT
643.50

STA 10+39.84CS, 34.51' RT
642.00

STA 10+39.85CS, 29.89' RT
641.93

STA 10+45.03CS, 29.84' RT
642.00

1.5%

6.3%

4.0%

7%

CAMPBELL STREET

STA 150+22.51WG, 27.00' RT
641.95

STA 10+26.39CS, 28.64' LT
642.05

STA 10+28.14CS, 29.60' LT
641.97

STA 10+31.14CS, 29.60' LT
642.01

CURB RAMP TYPE 1

STA 10+36.63CS, 18.50' LT
642.21

STA 10+37.57CS, 20.27' LT
642.13

STA 10+37.42CS, 23.59' LT
642.12

STA 10+48.33CS, 15.58' LT
642.34

STA 10+37.42CS, 23.59' LT
642.88

R/L CAMPBELL ST

STA 150+30.98WG, 39.50' RT
642.69

STA 150+20.20WG, 39.50' RT
642.20

STA 10+37.18CS, 29.59' LT
642.11

STA 10+43.42CS, 29.60' LT
642.20

STA 10+61.42CS, 29.60' LT
643.27

4.0%

0.2%

4.1%

6.0%

CURB RAMPS - CAMPBELL STREET

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 45	E

POINT	STATION	OFFSET	NORTHING	EASTING
G1	151+84 WG	43' LT	148438.76	448163.15
G2	151+91 WG	48' LT	148440.76	448155.51
G3	151+88 WG	51' LT	148437.00	448154.55
G4	9+15 GS	14' LT	148422.28	448127.35
G5	9+17 GS	16' LT	148424.93	448128.33
G6	9+17 GS	20' LT	148428.67	448126.61
G7	9+15 GS	21' LT	148428.50	448124.48
G8	152+31 WG	55' LT	148462.95	448128.28
G9	152+29 WG	54' LT	148462.12	448130.32
G10	152+29 WG	48' LT	148466.03	448134.53
G11	152+31 WG	43' LT	148470.89	448136.82

N

GEORGE STREET

R/L GEORGE ST

9GS

STA 9+12.81GS, 24.00'RT 642.13

STA 9+31.34GS, 35.64'RT 642.22

STA 9+31.34GS, 39.83'RT 642.43

STA 9+31.34GS, 30.82'RT 642.15

STA 9+32.31GS, 29.08'RT 642.23

STA 151+18.03WG, 65.04'RT 642.55

STA 151+10.95WG, 62.91'RT 642.67

STA 151+11.69WG, 58.15'LT 642.33

1.5%

5.3%

1.5%

4.0%

CURB RAMP TYPE 2

STA 9+38.63GS, 33.45'RT 642.27

STA 9+37.34GS, 34.98'RT 642.19

7.0%

1.5%

4.0%

STA 151+18.92WG, 58.28'LT 642.24

STA 151+20.28WG, 56.64'LT 642.32

STA 151+12.18WG, 54.95'LT 642.28

CURB RAMP TYPE 2

STA 151+13.21WG, 53.16'LT 642.36

STA 151+05.03WG, 50.45'LT 642.40

STA 8+86.05GS, 58.76'LT 642.28

STA 8+88.46GS, 63.67'LT 642.37

1.5%

1.5%

1.5%

1.5%

7.0%

STA 8+91.30GS, 55.85'LT 642.19

STA 8+95.01GS, 53.26'LT 641.91

STA 8+96.75GS, 52.28'LT 641.99

4.0%

STA 8+93.97GS, 61.30'LT 642.28

STA 8+97.74GS, 58.68'LT 642.00

STA 8+99.56GS, 57.86'LT 642.08

STA 9+23.87GS, 33.04'LT 642.47

STA 9+25.57GS, 31.97'LT 642.50

G4

G7

G6

G5

CURB RAMPS TYPE 6

1.3%

STA 9+31.34GS, 27.95'LT 642.53

STA 9+31.34GS, 16.00'LT 642.40

STA 9+31.34GS, 14.00'LT 642.48

STA 9+26.88GS, 38.12'LT 642.52

STA 9+28.63GS, 37.15'LT 642.55

STA 9+32.47GS, 34.47'LT 642.63

G8

G9

G10

G11

1.5%

1.5%

1.5%

1.5%

4.0%

1.0%

3.0%

1.5%

STA 9+35.78GS, 35.36'LT 642.68

STA 9+37.34GS, 14.00'LT 642.53

STA 9+37.34GS, 16.00'LT 642.45

G3

STA 9+37.34GS, 29.56'LT 642.62

G2

G1

4.0%

STA 152+12.79WG, 51.36'LT 642.89

STA 152+12.79WG, 48.36'LT 642.84

STA 152+12.81WG, 46.36'LT 642.92

STA 152+05.76WG, 51.31'LT 642.90

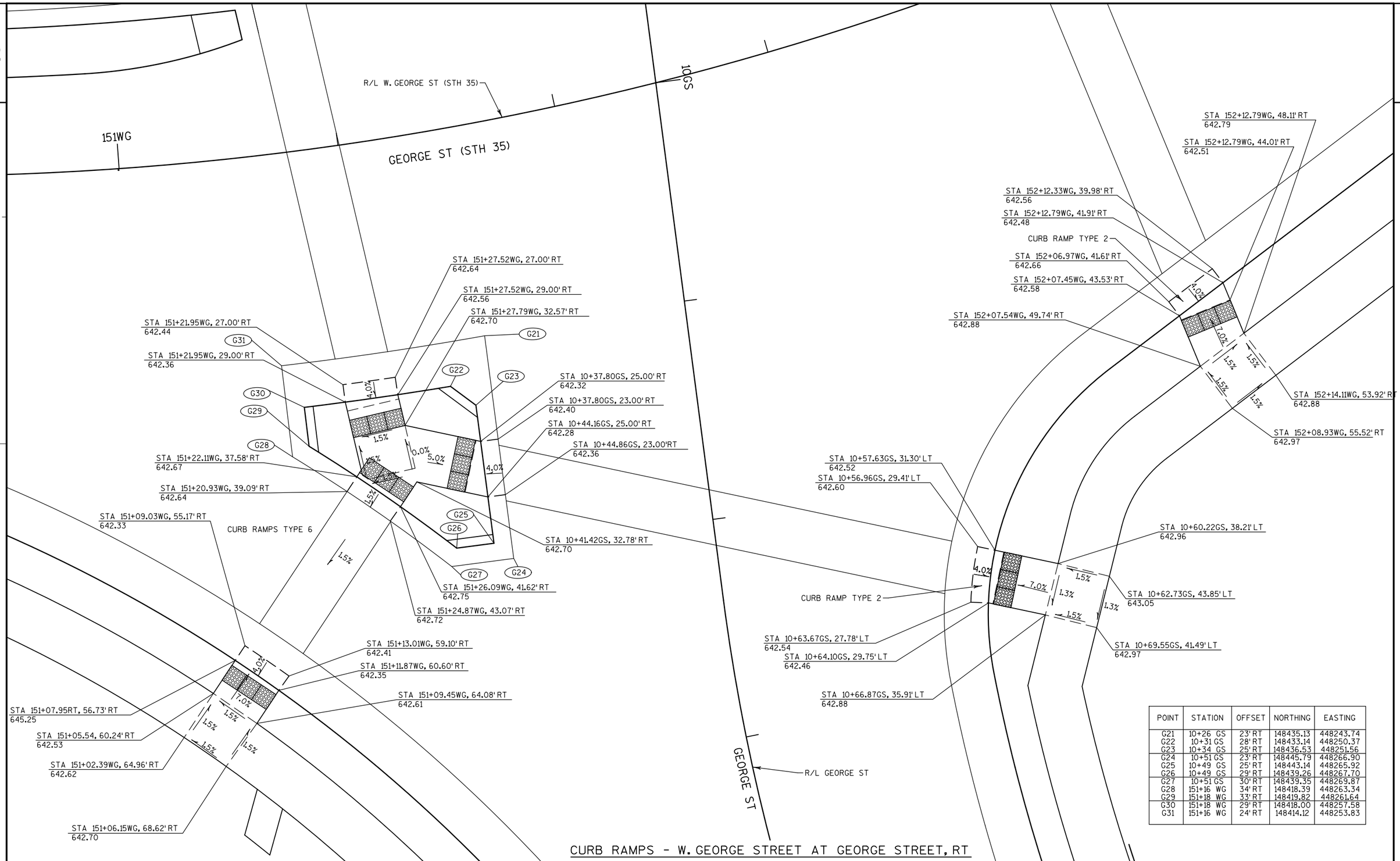
STA 152+05.83WG, 48.31'LT 642.85

STA 152+05.85WG, 46.32'LT 642.93

W. GEORGE STREET (STH 35)

CURB RAMPS - GEORGE STREET, ISLAND

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 46	E



POINT	STATION	OFFSET	NORTHING	EASTING
G21	10+26 GS	23' RT	148435.13	448243.74
G22	10+31 GS	28' RT	148433.14	448250.37
G23	10+34 GS	25' RT	148436.53	448251.56
G24	10+51 GS	23' RT	148445.79	448266.90
G25	10+49 GS	25' RT	148443.14	448265.92
G26	10+49 GS	29' RT	148439.26	448267.70
G27	10+51 GS	30' RT	148439.35	448269.87
G28	151+16 WG	34' RT	148418.39	448263.34
G29	151+18 WG	33' RT	148419.82	448261.64
G30	151+18 WG	29' RT	148418.00	448257.58
G31	151+16 WG	24' RT	148414.12	448253.83

CURB RAMPS - W. GEORGE STREET AT GEORGE STREET, RT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 47	E

2

2

ACCESS RD

R/L ACCESS RD

STA 19+59.37AR, 15.00'LT
642.40

STA 19+59.86AR, 15.00'RT
642.41

STA 19+67.70AR, 18.56'LT
642.42

STA 19+67.70AR, 27.50'LT
642.55

STA 19+68.43AR, 16.70'LT
642.50

STA 19+68.54AR, 27.18'LT
642.66

STA 19+68.53AR, 20.68'RT
642.56

STA 19+69.62AR, 19.00'RT
642.64

STA 14+42.26GS, 25.50'LT
643.63

4.0%

1.5%

3.5%

0.8%

1.5%

4%

1.5%

0.5%

CURB RAMP TYPE 4B1

STA 19+74.22AR, 19.89'LT
642.58

STA 19+78.67AR, 27.50'LT
642.49

4%

CURB RAMP TYPE 1

STA 19+73.72AR, 22.31'RT
642.72

STA 19+74.54AR, 26.31'RT
642.70

STA 19+76.15AR, 25.12'RT
642.78

STA 19+78.36AR, 23.75'LT
642.64

STA 19+80.35AR, 26.41'LT
642.57

STA 14+42.26GS, 25.50'LT
643.54

STA 14+53.06GS, 15.20'LT
643.03

STA 15+33.06GS, 15.57'LT
642.35

15GS

GEORGE ST

R/L GEORGE ST

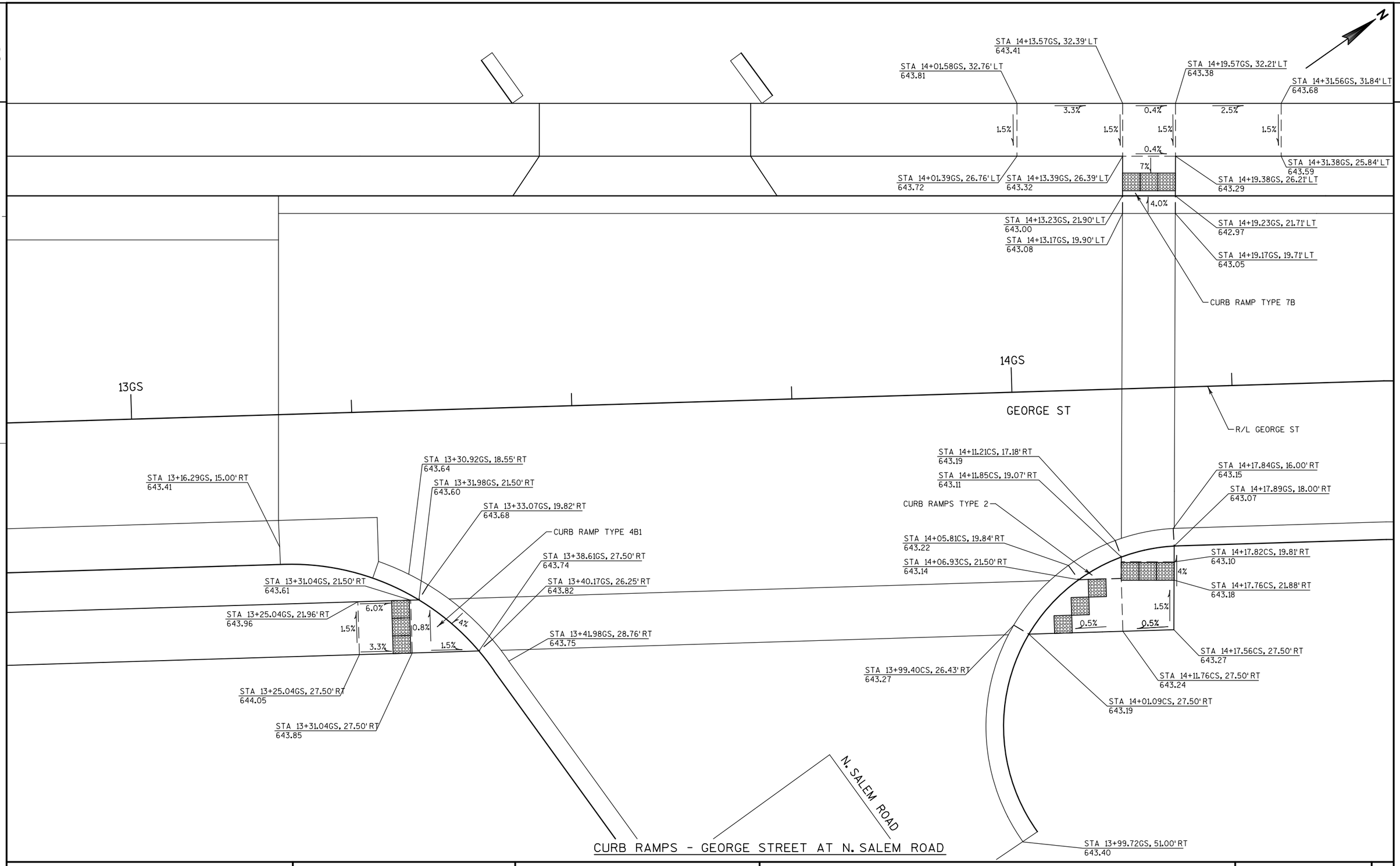
GEOR

CURB RAMPS - ACCESS ROAD

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	CONSTRUCTION DETAILS	SHEET 48	E

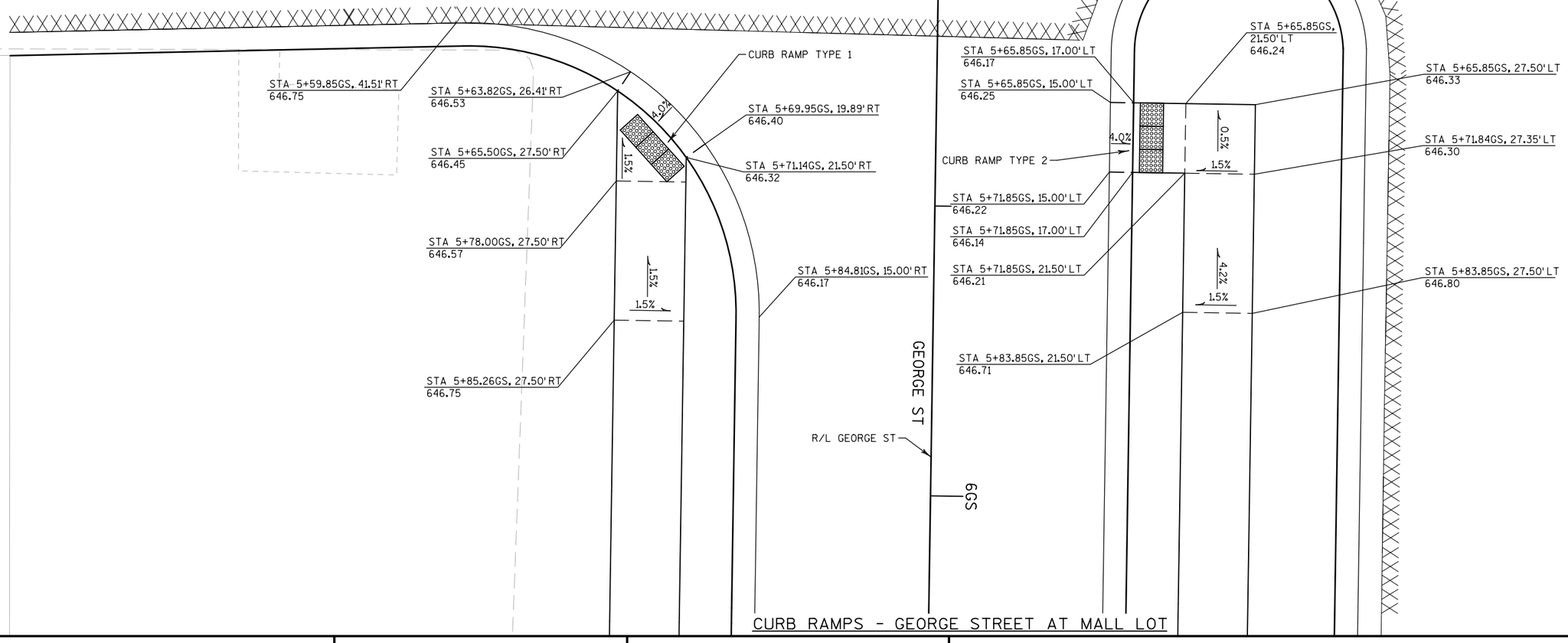
FILE NAME : ch_0682_021020_cd.dgn PLOT DATE : 21-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 10:1

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 49	E

2



CURB RAMPS - GEORGE STREET AT MALL LOT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 50	E

FILE NAME : ch_0682_021022_cd.dgn PLOT DATE : 21-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 10:1

2

2

10' MULTI-USE PATH

CURB RAMP (TYPE 2) *

650.30

650.93

650.38

10'

650.83

650.71

650.63

650.40

650.21

650.21

650.51

650.18

650.25

E RAMP

650.70

650.62

CURB RAMP (TYPE 4B1) *

650.88

190+00E

650.47

650.39

650.55

650.58

650.66

650.31

650.23

650.65

650.50

650.58

650.73

650.57

650.65

10' MULTI-USE PATH

CURB RAMP (TYPE 6) (TYP) *

ROSE ST SB

103+00RS

104+00RS

105+00RS

106+00RS

+00RN

103+00RN

104+00RN

105+00RN

106+00RN

ROSE ST NB

CURB RAMP (TYPE 6) *

650.47

650.42

650.34

650.39

650.64

650.59

10' MULTI-USE PATH

6' POTENTIAL FUTURE SIDEWALK

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

188+00F

189+00F

F RAMP

10'

CURB RAMP (TYPE 6) *

651.54

651.55

651.39

651.46

651.39

651.47

650.92

650.88

650.93

190+00F

650.86

651.30

651.31

CURB RAMP (TYPE 2) *

FA RAMP

190+00FA

191+00F

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - CURB RAMPS	SHEET 51	E

2

200+00H

H RAMP

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

CURB RAMP (TYPE 4B1) *

10' MULTI-USE PATH

650.23 649.92 650.00 650.30 650.16 650.08

650.78 650.70 651.07 650.74 650.66 650.92

CURB RAMP (TYPE 4B1) *

10' MULTI-USE PATH

10'

201+00H

ROSE ST SB

117+00RS 118+00RS

00RN 117+00RN 118+00RN

ROSE ST NB

6' POTENTIAL FUTURE SIDEWALK

200+00G G RAMP

* CURB RAMPS (TYPE 5)

* CURB RAMP (TYPE 4B1)

10' MULTI-USE PATH

650.36 650.00 650.08 650.21 650.13 650.05

651.29 651.37 651.50 651.42 651.94

651.79 651.87 651.02

21+00GR GEORGE ST

10' MULTI-USE PATH

CURB RAMP (TYPE 4B1) *

653.12 653.04 653.74 653.32 653.24 653.54

10'

ROSE ST SB

22+00GR

128+00RS 129+00RS

128+00RN 129+00RN

ROSE ST NB

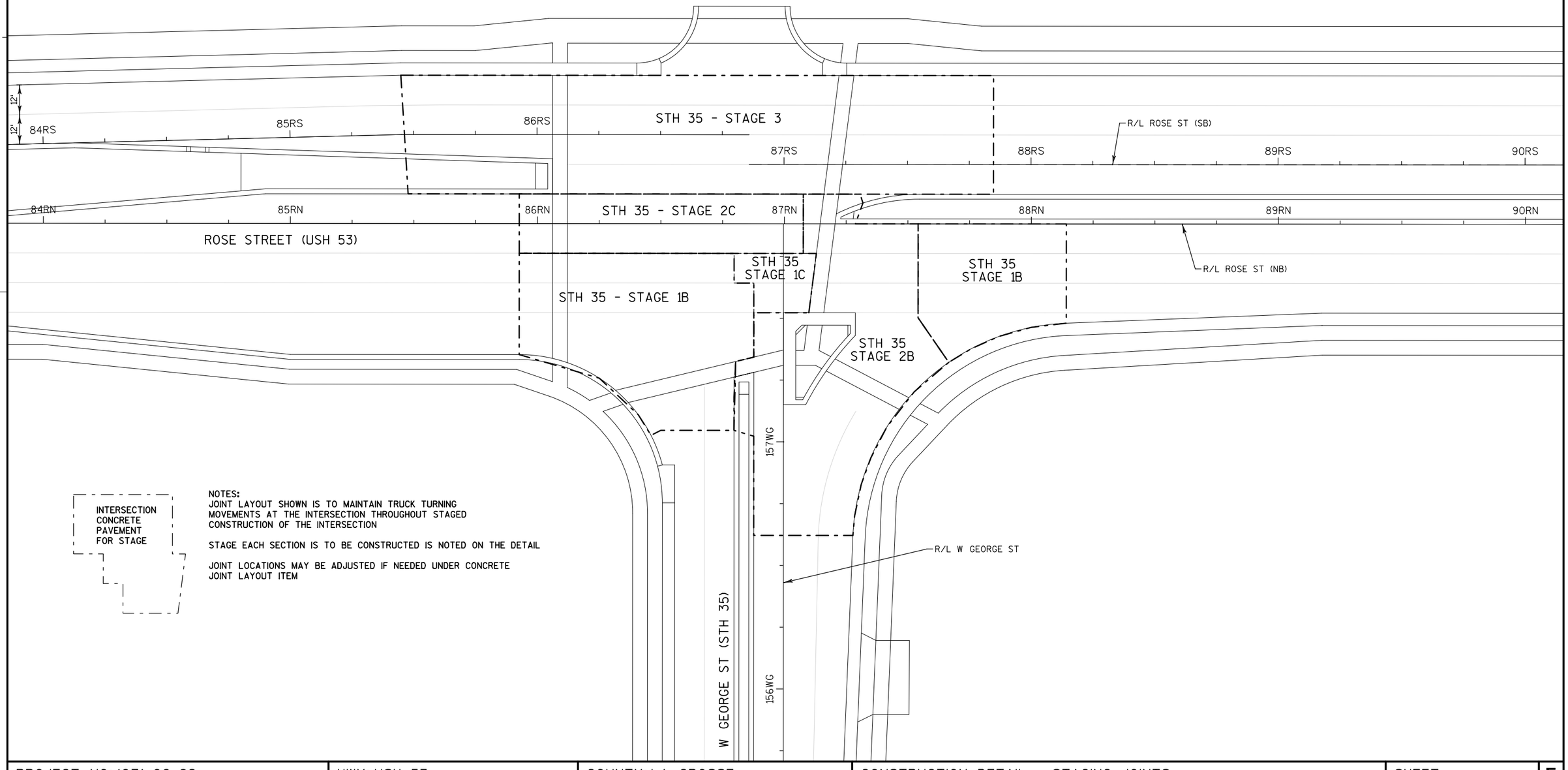
6' POTENTIAL FUTURE SIDEWALK

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

2

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - CURB RAMPS	SHEET 52	E

2

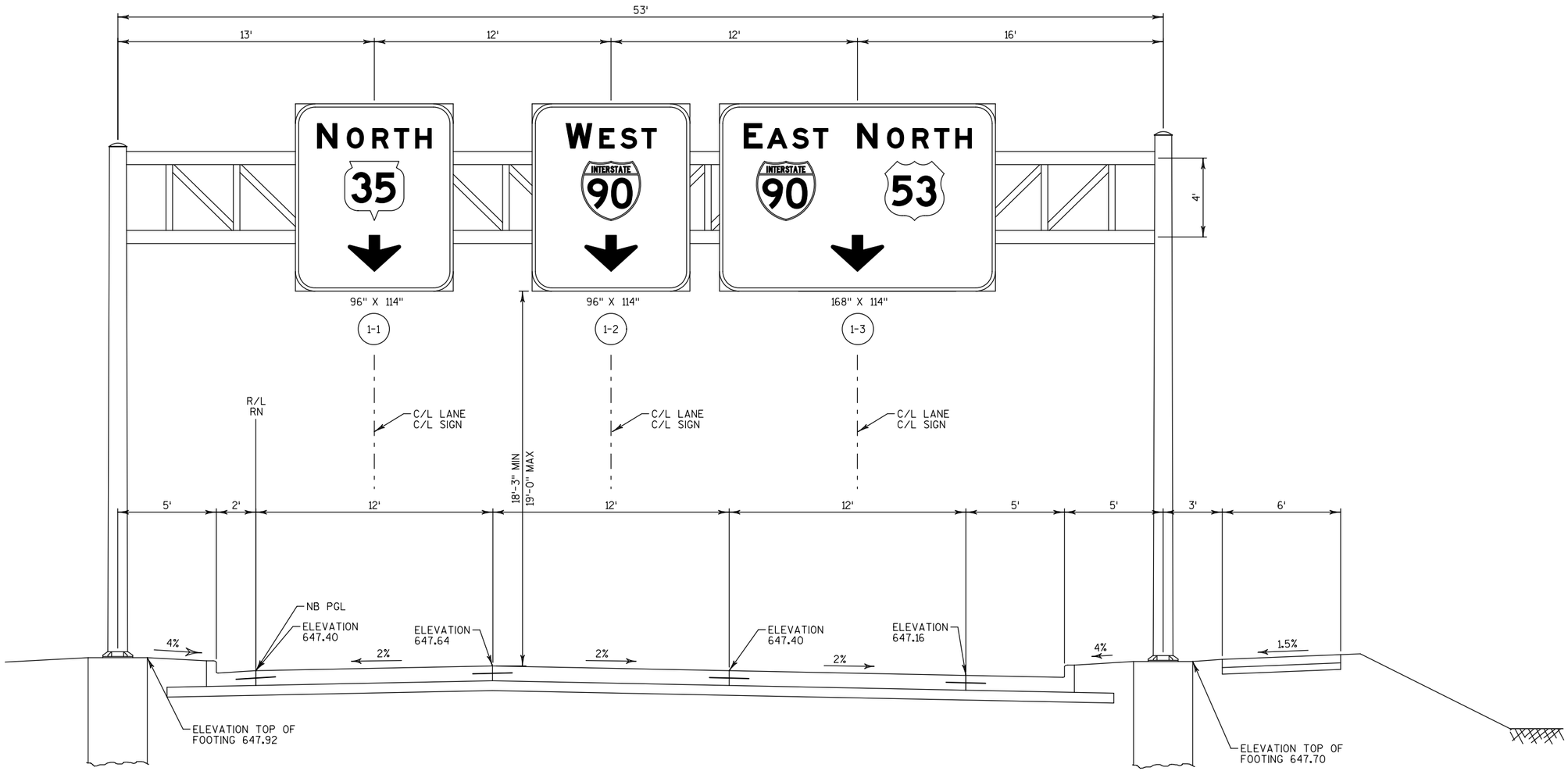


NOTES:
JOINT LAYOUT SHOWN IS TO MAINTAIN TRUCK TURNING MOVEMENTS AT THE INTERSECTION THROUGHOUT STAGED CONSTRUCTION OF THE INTERSECTION

STAGE EACH SECTION IS TO BE CONSTRUCTED IS NOTED ON THE DETAIL

JOINT LOCATIONS MAY BE ADJUSTED IF NEEDED UNDER CONCRETE JOINT LAYOUT ITEM

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - STAGING JOINTS	SHEET 53	E



1-1 LEGEND

DENOTES SIGN NUMBER

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING, "36-INCH DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

OVERHEAD SIGN SUPPORT DETAIL

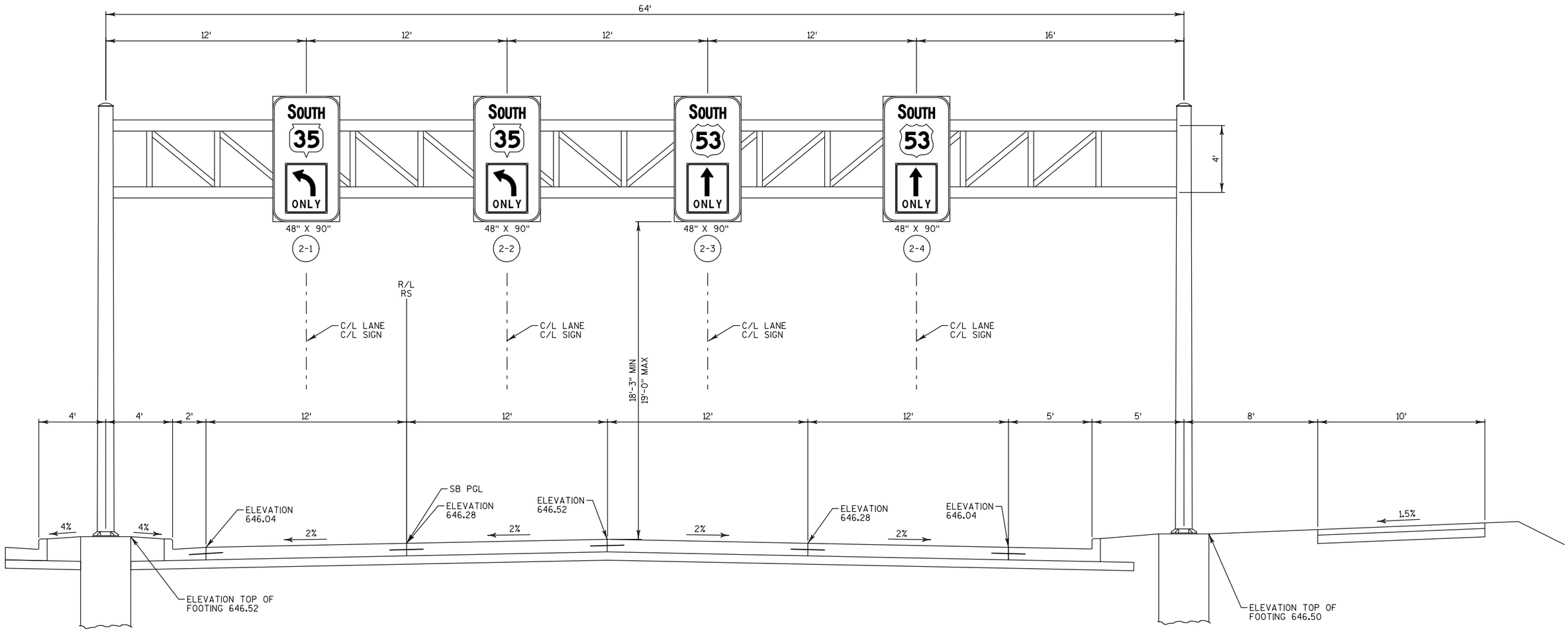
S-32-50
STA 78+40 RN
USH 53/STH 35
(FACING NORTH)

NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- PROVIDE I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE 6 ANCHOR RODS PER STANDARD DETAIL DRAWING.

ALLOWABLE DESIGN STRESSES	
CONCRETE MASONRY	fy = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT. GRADE 60	fy =60,000 PSI
FOUNDATION DATA	
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF



(2-1) LEGEND

DENOTES SIGN NUMBER

OVERHEAD SIGN SUPPORT DETAIL

S-32-52
STA 92+00 RS
USH 53/STH 35
(FACING SOUTH)

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING, "36-INCH DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

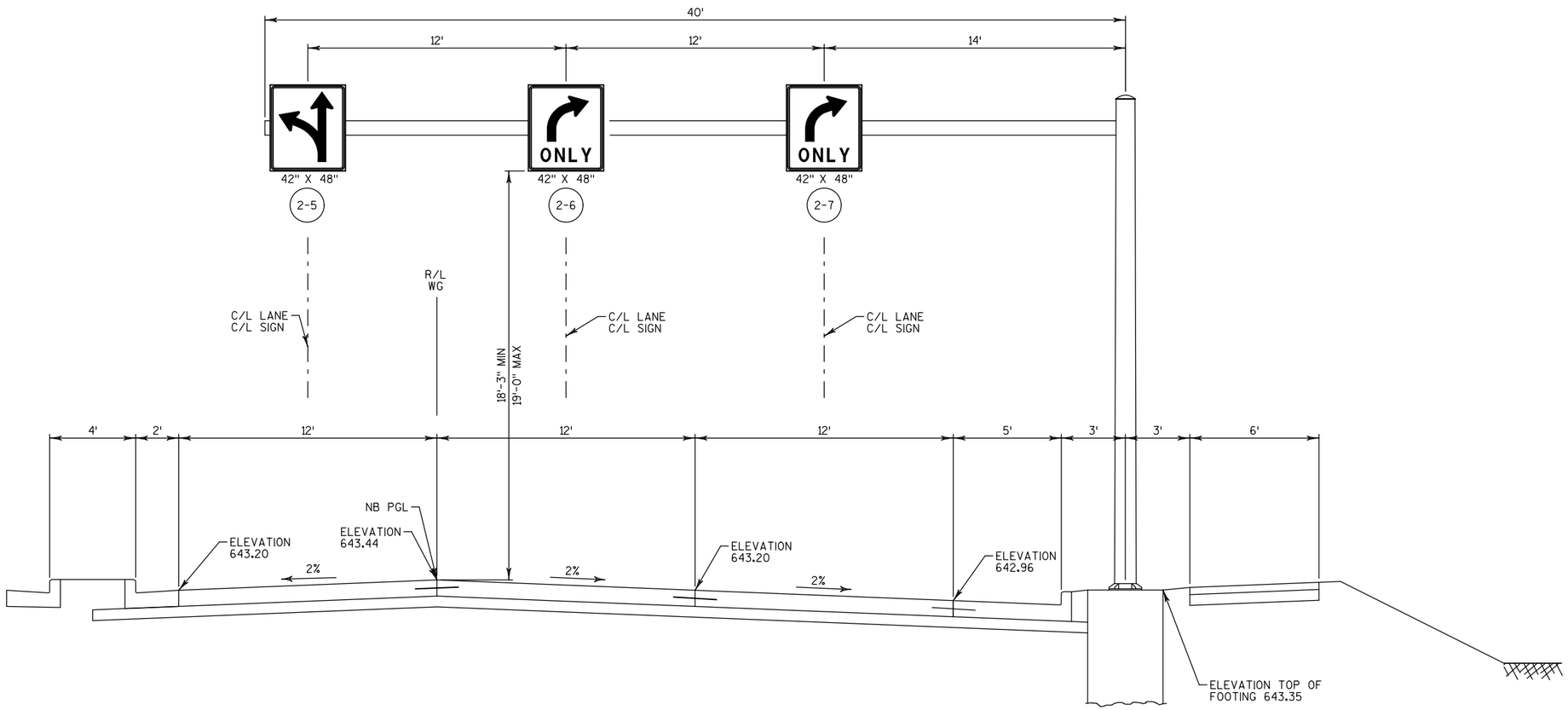
PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- PROVIDE I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE 6 ANCHOR RODS PER STANDARD DETAIL DRAWING.

ALLOWABLE DESIGN STRESSES	
CONCRETE MASONRY	fy = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT. GRADE 60	fy =60,000 PSI
FOUNDATION DATA	
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF



OVERHEAD SIGN SUPPORT DETAIL

S-32-66
STA 155+05 WG
W. GEORGE STREET
(FACING WEST)

LEGEND

(2-5) DENOTES SIGN NUMBER

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING, "42-INCH DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

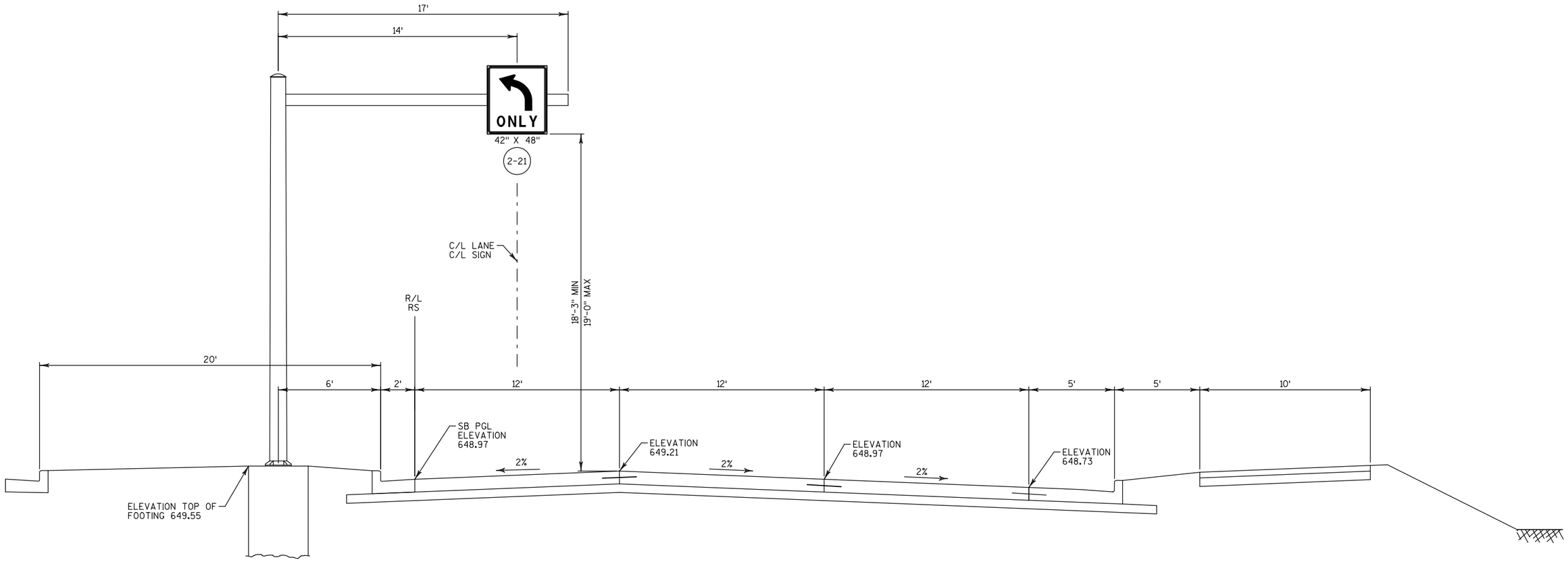
PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- PROVIDE I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE 6 ANCHOR RODS PER STANDARD DETAIL DRAWING.

ALLOWABLE DESIGN STRESSES	
CONCRETE MASONRY	fy = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT. GRADE 60	fy =60,000 PSI
FOUNDATION DATA	
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF



OVERHEAD SIGN SUPPORT DETAIL

S-32-68
STA 96+50 RS
USH 53/STH 35
(FACING SOUTH)

LEGEND

(2-21) DENOTES SIGN NUMBER

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING, "36-INCH DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

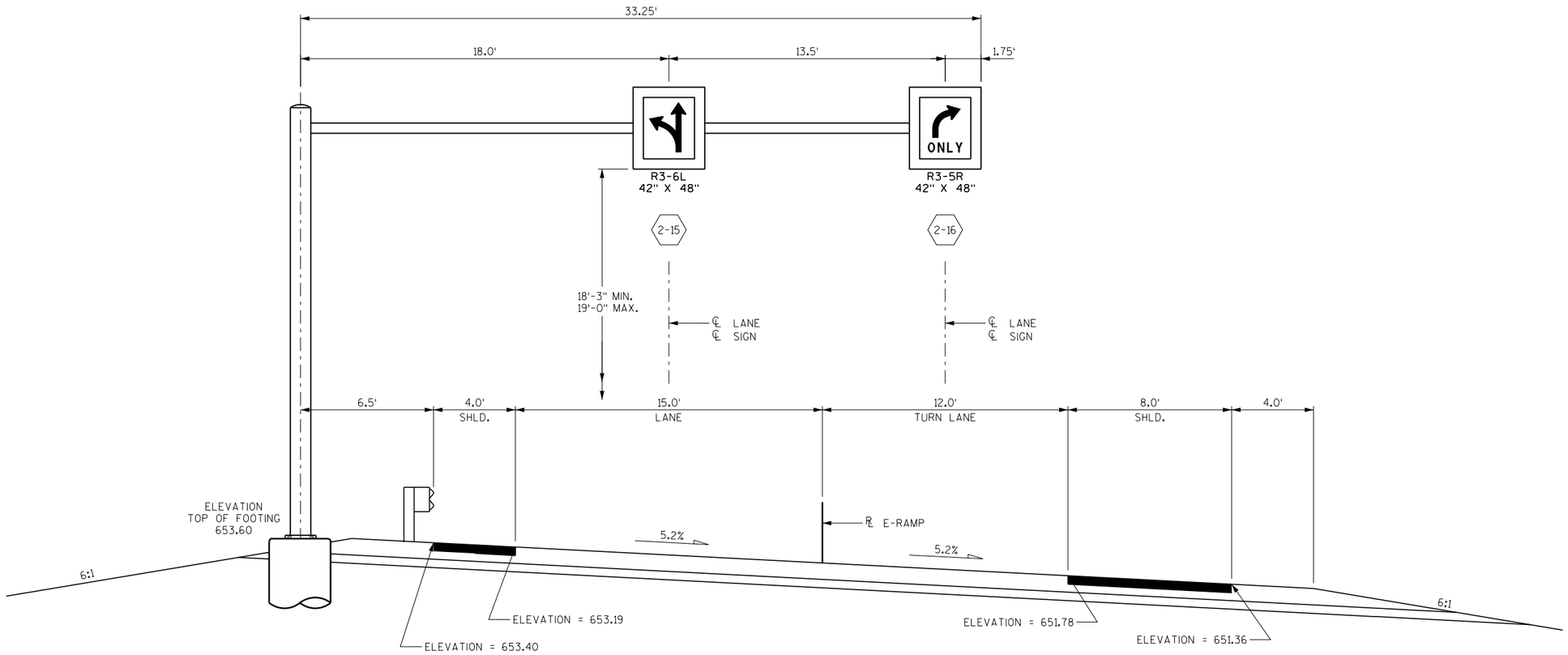
NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- PROVIDE I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE 6 ANCHOR RODS PER STANDARD DETAIL DRAWING.

ALLOWABLE DESIGN STRESSES	
CONCRETE MASONRY	fy = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT. GRADE 60	fy =60,000 PSI
FOUNDATION DATA	
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF

2



OVERHEAD SIGN SUPPORT DETAIL

S-32-53
STA. 187+80 E
IH 90 EB OFF RAMP
(FACING EAST)

LEGEND

X-X DENOTES SIGN NUMBER

GENERAL NOTES

DRAWINGS ARE NOT TO BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING, "36-INCH DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS AND REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCUTRE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NOTE:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATIONS.
- SHOW SIGNS ON SHOP DRAWINGS.
- I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- 6 ANCHOR RODS PER STANDARD DETAIL DRAWING ARE REQUIRED.

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	**f'c = 3,500 PSI**
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	**fy = 60,000 PSI**

FOUNDATION DATA

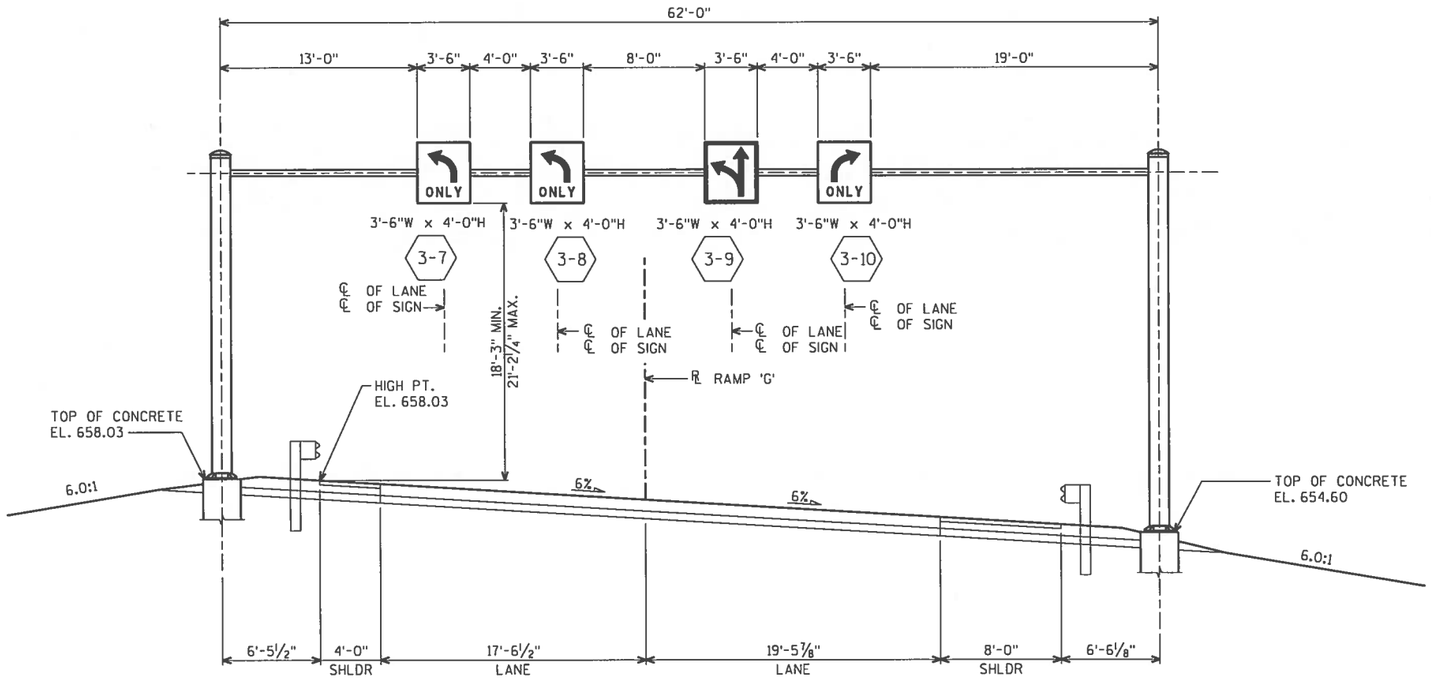
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
7/26/16

KSingh Engineers Scientists Consultants

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 58	E

2



OVERHEAD SIGN SUPPORTS DETAIL

S-32-55
IH 90 WB RAMP TO STH 35 (ROSE ST.)
STATION 203+85 'G'
(FACING WEST)

LEGEND

⟨X-X⟩ DENOTES SIGN NUMBER

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING. "36-INCH DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- 6 ANCHOR RODS PER STANDARD DETAIL DRAWING ARE REQUIRED.

WISCONSIN
ARLEN E. BEAUDETTE
E-36829
EAU CLAIRE
WI
PROFESSIONAL ENGINEER
7-27-16

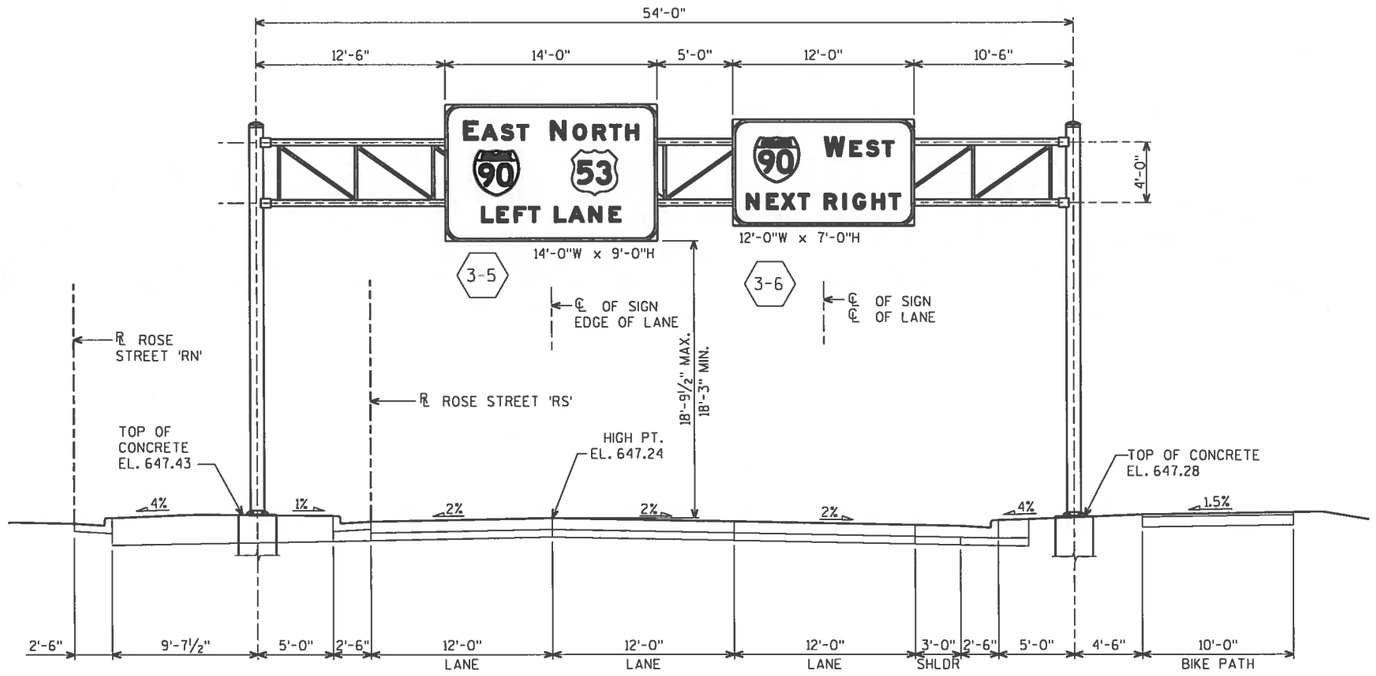
MATERIAL PROPERTIES

CONCRETE MASONRY	fc' = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	fy = 60,000 p.s.i.

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF

2



OVERHEAD SIGN SUPPORTS DETAIL

S-32-56
STH 35 (ROSE ST.)
STATION 125+00 'RS'
(FACING SOUTH)

LEGEND

⟨X-X⟩ DENOTES SIGN NUMBER

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SIGN SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS.

FOOTING SHALL BE PER STANDARD DETAIL DRAWING. "36-INCH DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE".

SIGN SUPPORT BEAMS ARE REQUIRED PER SPECIFICATIONS AND ARE INCIDENTAL TO THE SIGN.

PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NOTES:

CONTRACTOR SHALL:

- SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
- PROVIDE DESIGN CALCULATION.
- SHOW SIGNS ON SHOP DRAWINGS.
- 6 ANCHOR RODS PER STANDARD DETAIL DRAWING ARE REQUIRED.

WISCONSIN
ARLEN E. BEAUDETTE
E-26829
EAU CLAIRE
WI
PROFESSIONAL ENGINEER
7-27-16

MATERIAL PROPERTIES	
CONCRETE MASONRY	fc' = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	fy = 60,000 p.s.i.
FOUNDATION DATA	
ALLOWABLE SOIL BEARING PRESSURE	3,000 PSF

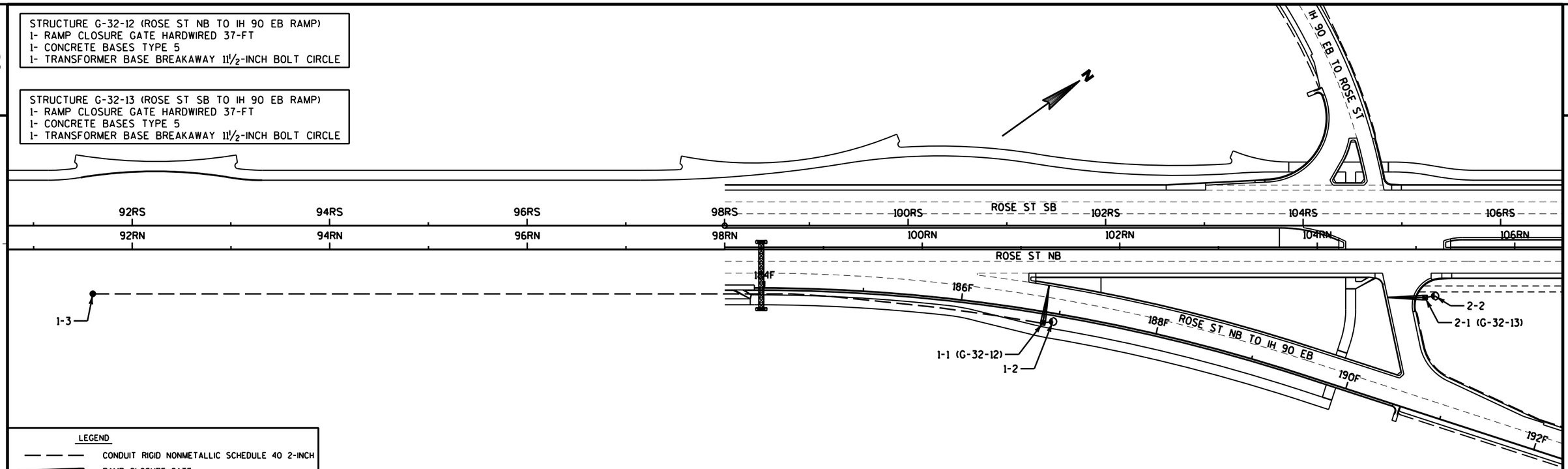
PROJECT NO: 1071-06-83	HWY: STH 35	COUNTY: LA CROSSE	CONSTRUCTION DETAIL	SHEET

U:\41-0627.00 - LaCrosse County, IH90\S-32-56\STRUCTURE\S-32-0056 mono sign.dgn PENTABLE:BReau_shd_util.tbl BRIDGE 1:10 WISDOT/CADDS SHEET 42

2

STRUCTURE G-32-12 (ROSE ST NB TO IH 90 EB RAMP)
1- RAMP CLOSURE GATE HARDWIRED 37-FT
1- CONCRETE BASES TYPE 5
1- TRANSFORMER BASE BREAKAWAY 11½-INCH BOLT CIRCLE

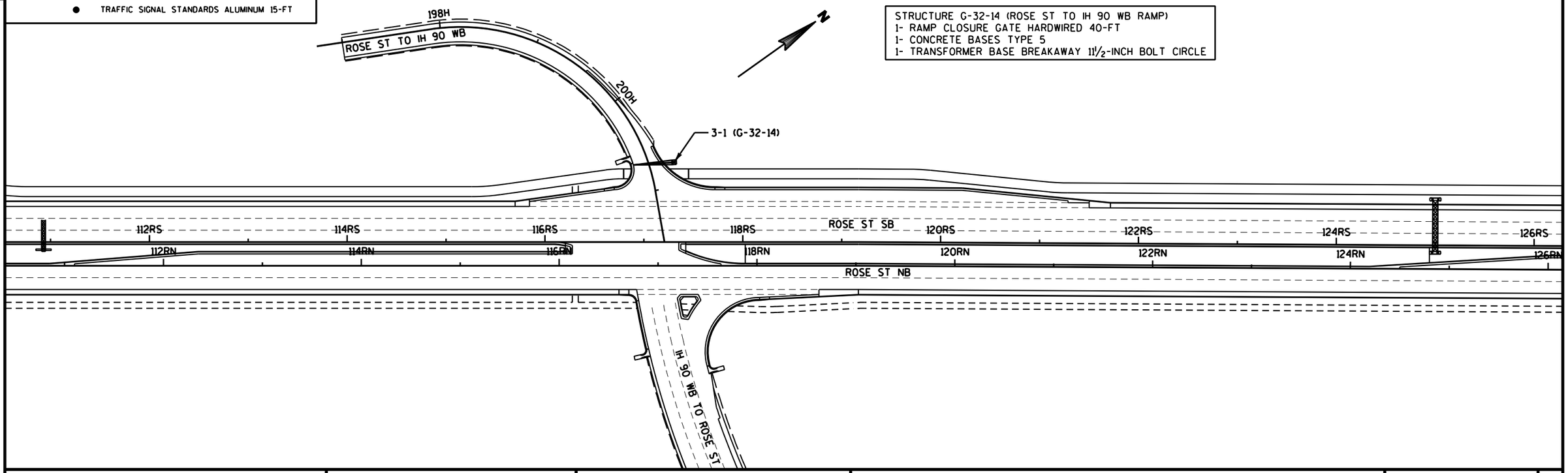
STRUCTURE G-32-13 (ROSE ST SB TO IH 90 EB RAMP)
1- RAMP CLOSURE GATE HARDWIRED 37-FT
1- CONCRETE BASES TYPE 5
1- TRANSFORMER BASE BREAKAWAY 11½-INCH BOLT CIRCLE



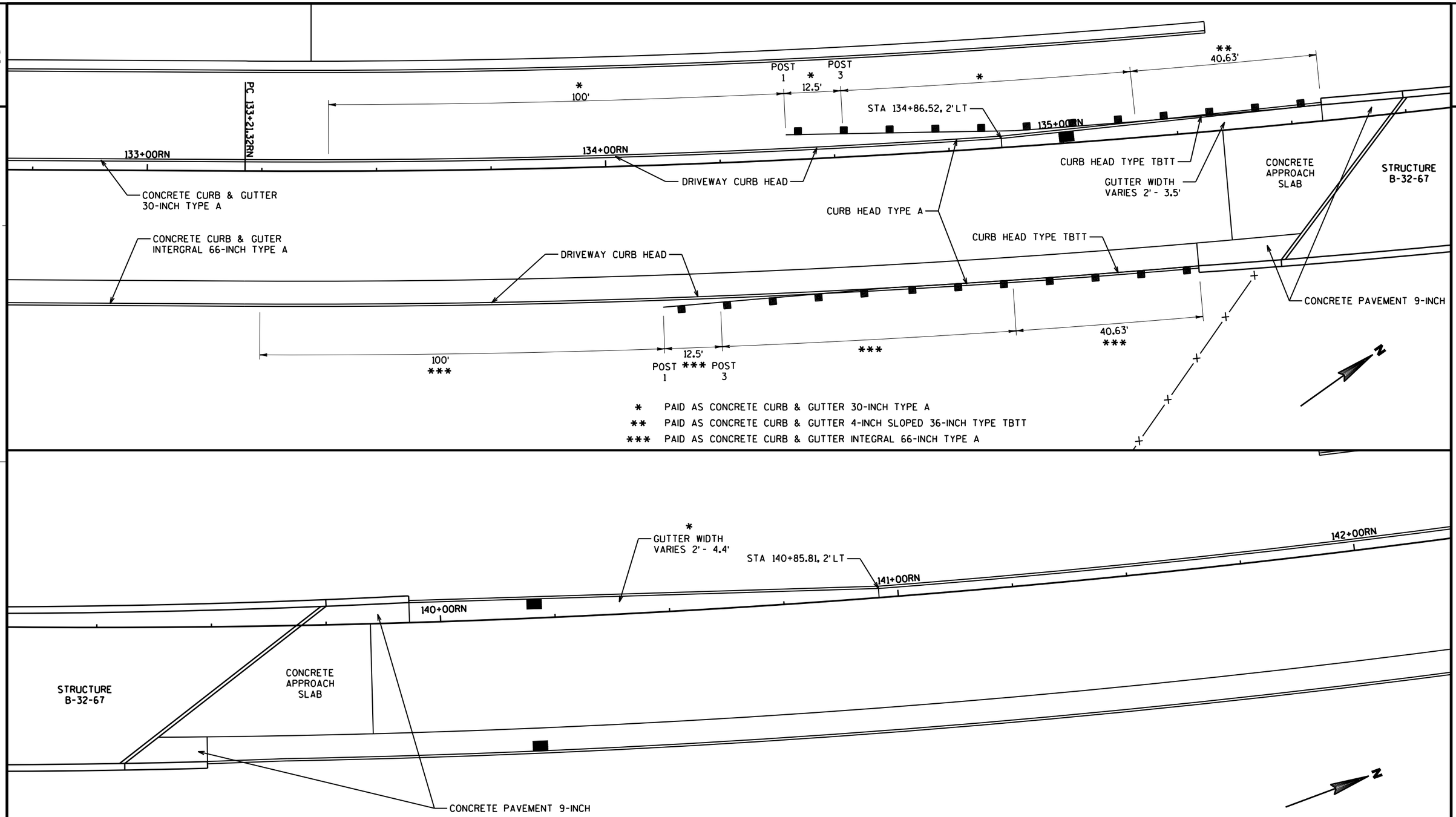
LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
- RAMP CLOSURE GATE
- PULL BOX STEEL 24" X 36"
- TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT

STRUCTURE G-32-14 (ROSE ST TO IH 90 WB RAMP)
1- RAMP CLOSURE GATE HARDWIRED 40-FT
1- CONCRETE BASES TYPE 5
1- TRANSFORMER BASE BREAKAWAY 11½-INCH BOLT CIRCLE



PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	RAMP GATE HARD WIRED DETAIL - ROSE ST	SHEET 61	E



CURB & GUTTER STRUCTURE APPROACH

PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	CONSTRUCTION DETAIL	SHEET 62	E

DATA TABLE

POINT NO.	NORTHING	EASTING	RADIUS
100	148893.29	447657.27	15'
101	148902.00	447645.06	---
102	148907.08	447648.68	---
103	148849.00	447730.08	100'
103A	148934.34	447677.95	---
104	149019.67	447625.82	100'
105	148961.59	447707.23	---
106	149064.33	447780.52	---
107	149049.95	447712.53	69.5', 47', 23'
108	149116.69	447731.90	---
109	149098.97	447719.25	---
110	149101.88	447715.18	5'
111	149096.88	447714.93	---
112	149086.66	447683.19	---
113	148949.95	447792.43	175'
*113A	148991.40	447622.41	---
*113B	149016.33	447630.51	---
*113C	149039.00	447641.78	---
*113D	149059.56	447656.01	---
*113E	149078.02	447673.18	---

DATA TABLE

POINT NO.	NORTHING	EASTING	RADIUS
114	148972.41	447618.88	---
115	148895.57	447608.93	---
116	148889.79	447653.56	45'
117	149065.32	447729.64	---
118	149063.30	447693.81	---
119	149005.95	447652.89	---
120	148992.92	447671.85	23'
121	148979.24	447690.33	---
122	148989.69	447675.68	---

* MISCELLANEOUS REFERENCE POINTS EVERY +25' (ROSE ST SB ALI) ALONG CURVE

OUTFALL 633.69

SLOPE INTERCEPT

CONCRETE CURB & GUTTER 30-INCH TYPE D REVERSE (TYP)

4" ASPHALTIC SURFACE (2.25" LOWER LAYER, 1.75" UPPER LAYER) OVER 6" BASE AGGREGATE DENSE 1¼-INCH (TYP)

PAVEMENT MARKING PAINT 4-INCH (WHITE)

PAVEMENT MARKING SYMBOLS PAINT (WHITE)

INLETS MEDIAN 2G-MS
RIM 643.56
INV 635.46
CONNECT TO EX 24" SS
INLET PROTECTION TYPE A

PARKING FOR BUS OR VEHICLES WITH TRAILERS ONLY

CONCRETE CURB & GUTTER 30-INCH TYPE D

CONCRETE SIDEWALK 4-INCH

CURB RAMP TYPE 4A

MODIFY CURB FOR CURB RAMP TYPE 7A

PAVEMENT MARKING ARROWS PAINT TYPE 1

PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING PARKING STALL PAINT (WHITE) (4' SPACING @ 60° ANGLE) (TYP)

INLETS 2x3-H
RIM 645.75
INV 635.93
CONNECT TO EX 24" SS
INLET PROTECTION TYPE C

REMOVING INLET

PAVEMENT MARKING PARKING STALL PAINT (WHITE) (TYP)

PAVEMENT MARKING PARKING STALL (WHITE) (4' SPACING @ 60° ANGLE) (TYP)

ROSE ST SB

ROSE ST SB (RS)

87RS 88RS 89RS

1	W5-56 18" X 18"
2	
3	
4	R7-52R 18" X 24"
5	R7-52D 18" X 24"
6	R7-52D 18" X 24"
7	
8	R7-52L 18" X 24"
9	R7-8A 12" X 18"
10	R7-52R 18" X 24"
11	R7-52D 18" X 24"
12	R7-52L 18" X 24"
13	M1-86 18" X 36"
13A	M1-88A 12" X 12"
14	M1-86 18" X 36"
14A	M1-88A 12" X 12" STA 81+50RN PLACE IN MEDIAN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION DETAILS - EAGLE VIEWING AREA	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_021004_cd.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:20

2

CONCRETE CURB & GUTTER
30-INCH TYPE D REVERSE
(TYP)

4" ASPHALTIC SURFACE (2.25" LOWER LAYER, 1.75" UPPER LAYER) OVER
6" BASE AGGREGATE DENSE 1¼-INCH
(TYP)

645.24 645.41 645.52 645.49 646.25

645.82 .02 .02

645.72 644.74 644.85 644.95 644.98 646.57 646.86

LOW
643.75

644.40 644.00 644.25 644.65

19.5'

645.62 .02 6' 10'

645.68 645.98 645.80 645.85 646.11 646.24 645.85 645.88 646.68 647.04

6' CONCRETE SIDEWALK 4-INCH

645.57 645.32 645.07 644.82 645.59 645.90 645.72 645.76 646.02 646.15 645.81 645.83 646.62 646.98

645.59 645.80 646.10 646.60

.01 645.35 645.24 645.39 .01 645.64

18' 70'

CONCRETE CURB & GUTTER
30-INCH TYPE D

645.71 .02

645.95 646.07 646.17 646.21 646.24 646.50 646.56

END SECTION
CURB & GUTTER

645.97 645.88 24'

.02 .02

645.91

646.00 646.03 646.44 646.55 646.65 646.69 646.72 646.98

4.5'

MH

56'

ROSE ST SB

MH INL MH

87RS 88RS 89RS

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION DETAILS - EAGLE VIEWING AREA	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_021005_cd.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:20

2

REMOVE 1 FOOT OF MATERIAL AND TEMPORARIALY STOCKPILE. PLACE STOCKPILED MATERIAL BACK ONCE GY RAMP IS REMOVED. PAID FOR AS SALVAGED TOPSOIL TWICE. ONCE FOR STOCKPILING AND ONCE FOR REPLACEMENT. SEED WITH SEEDING MIXTURE NO.60 AND USE SPECIAL MULCHING.

XCEL ENERGY - ELECTRIC

WETLAND

ROSE ST SB

ROSE ST NB

BP 201+86.04GY

STA 205+48.25 GY, 72.4'LT
ELEV 640.26

SLOPE INTERCEPT

STA 207+35.93 GY, 30.9'LT
ELEV 642.86

PC 207+80.25GY

STA 209+49.37 GY, 76.8'LT
ELEV 646.87

STA 209+30.68 GY, 66.7'LT
ELEV 648.94

PCC 209+32.46GY

PI 208+58.77GY

EP 212+82.35GY

PT 211+24.65GY

202GY

204GY

206GY

208GY

210GY

212GY

S50°58'30"E

S48°13'30"E

IH 90 WB

IH 90 EB

G RAMP

214WB

212WB

210WB

208WB

206WB

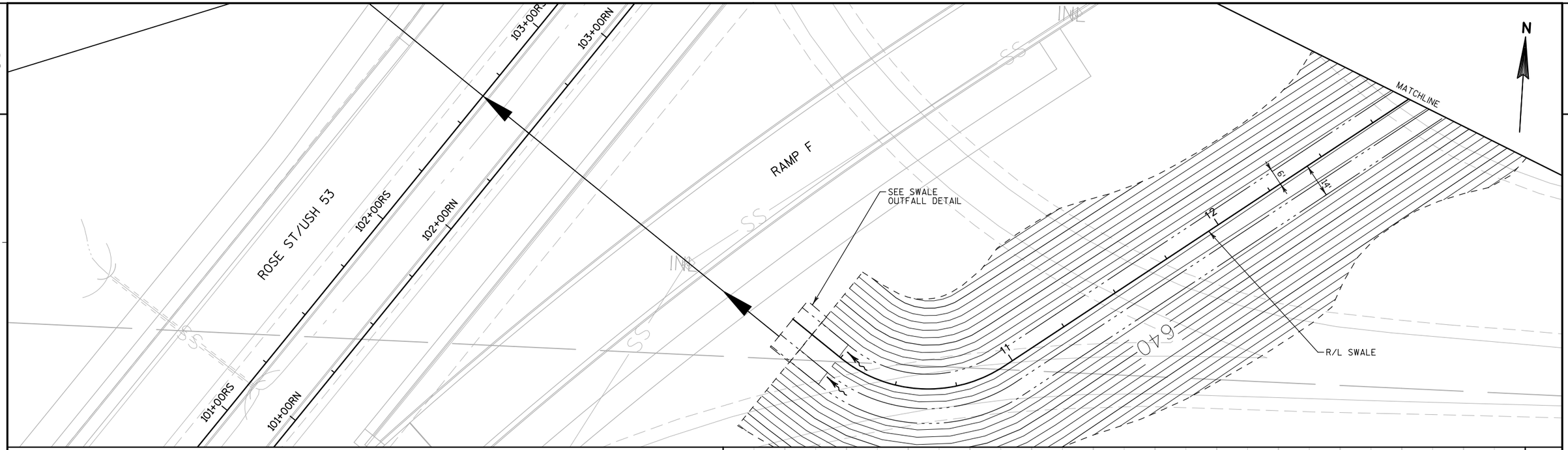
204HX

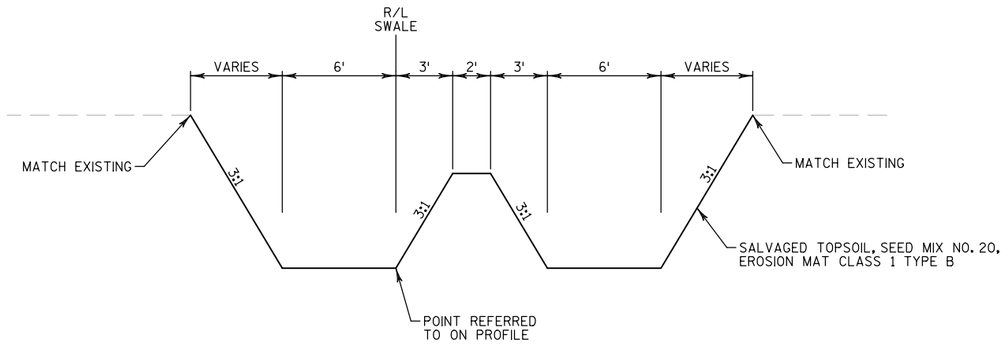
202HX

SLOPE INTERCEPT

PROJECT NO:1071-06-83	HWY:USH 35	COUNTY:LA CROSSE	CONSTRUCTION DETAIL - WETLAND AREA (GY)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_021008_cd.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100





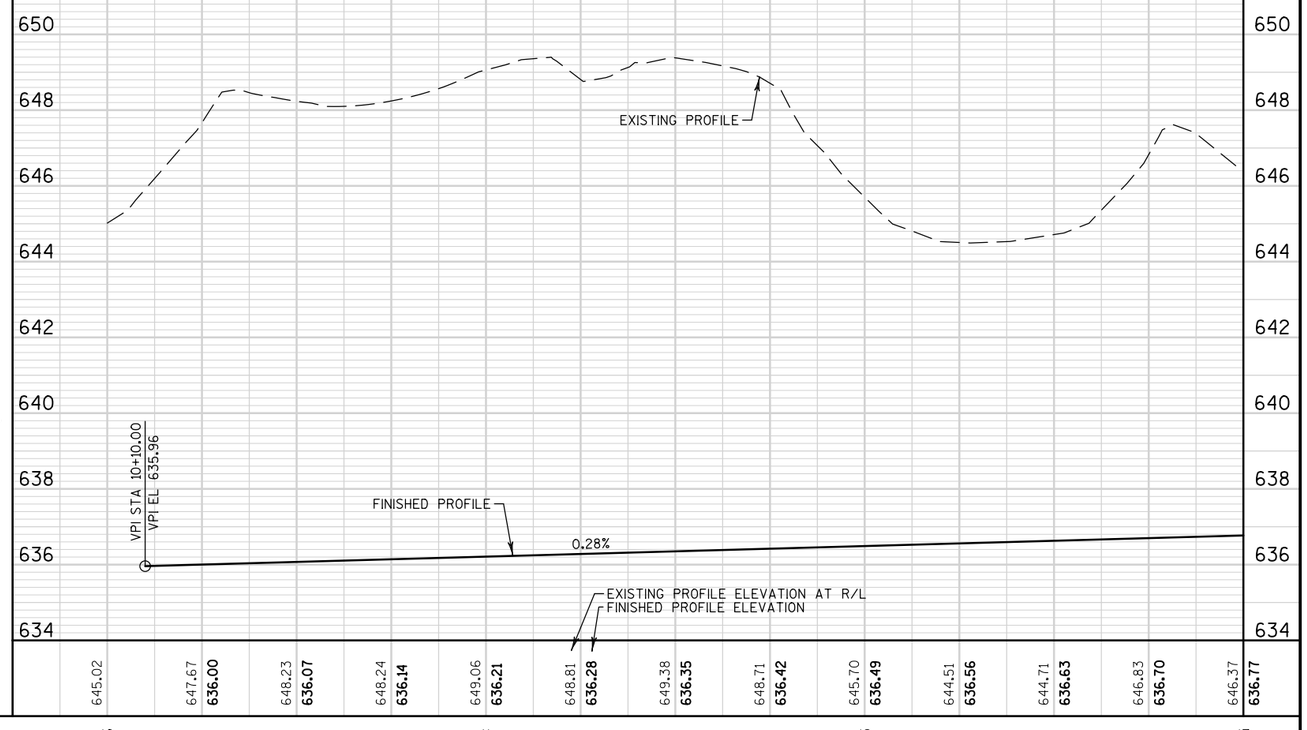
TREATMENT SWALE TYPICAL SECTION

BLACK RIVER WATER LEVELS

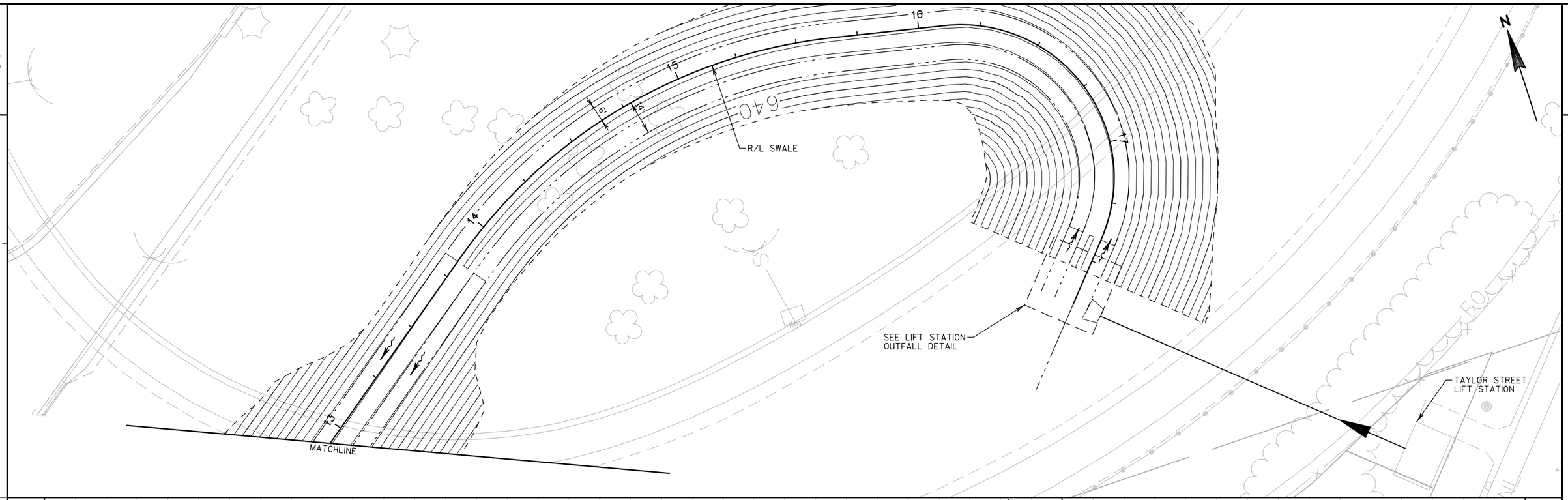
NORMAL WATER LEVEL = 632.0

10 YEAR WATER LEVEL = 640.0

100 YEAR WATER LEVEL = 643.3

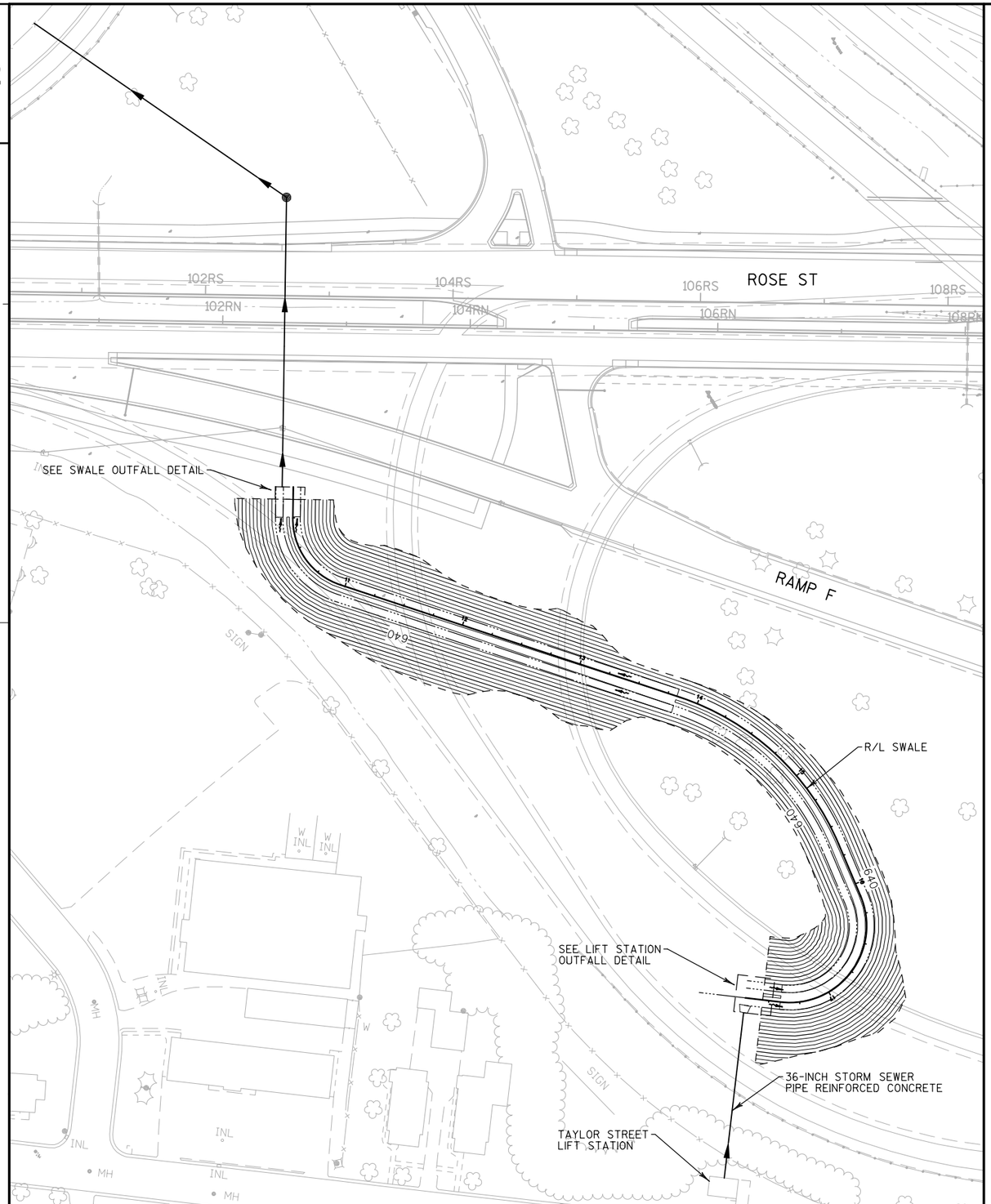


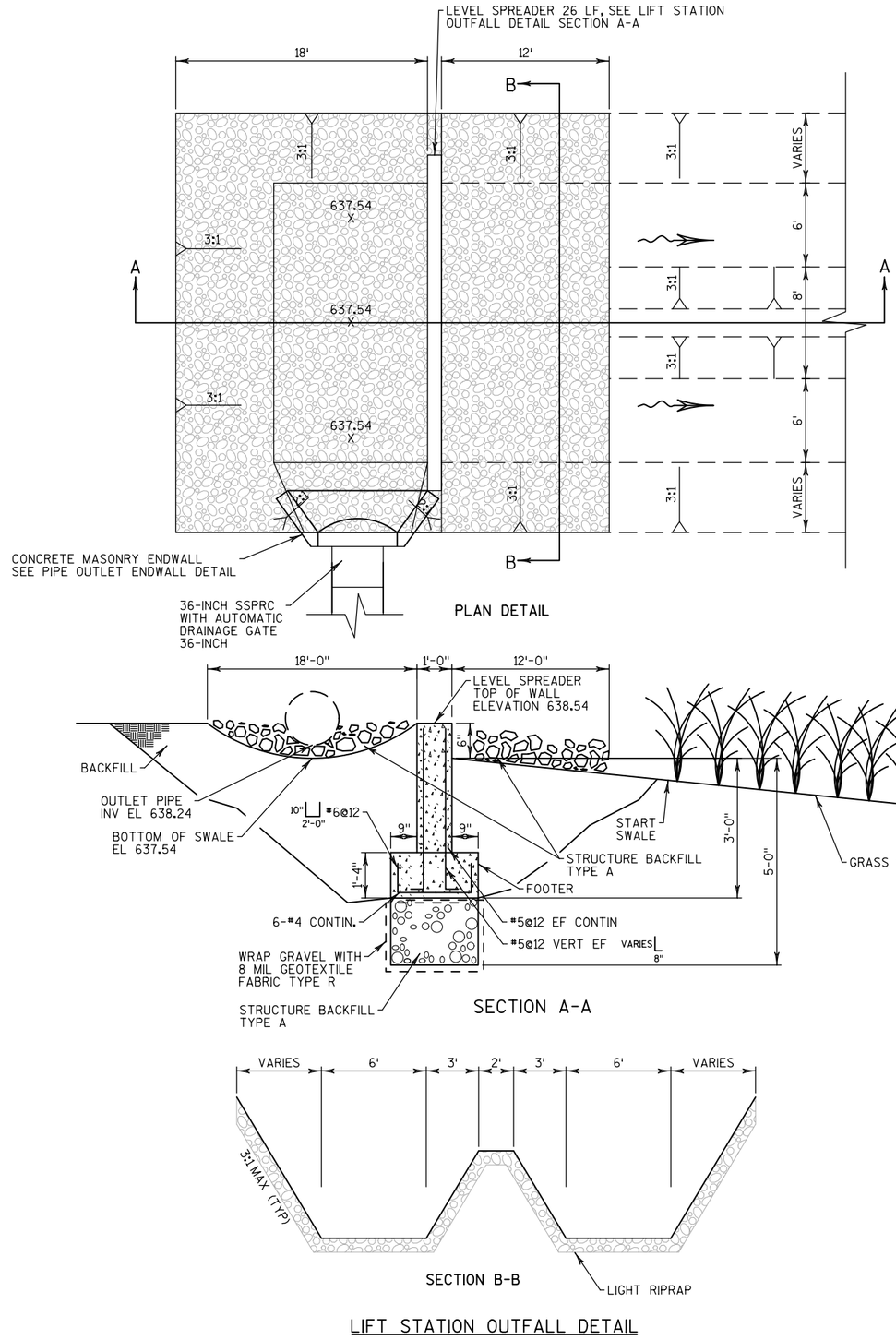
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - TREATMENT SWALE	SHEET 66	E



2

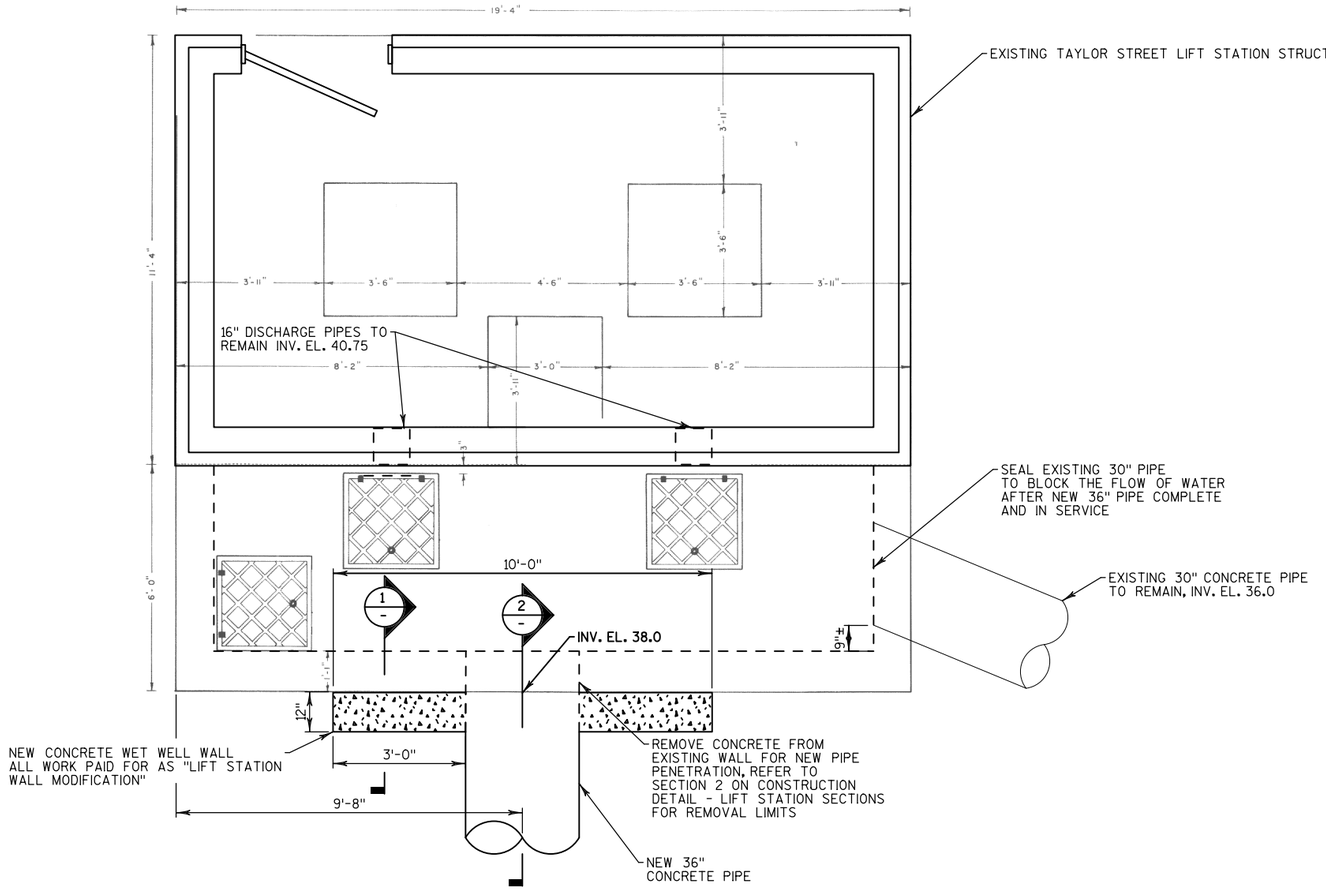
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CONSTRUCTION DETAIL - TREATMENT SWALE	SHEET 67	E





LIFT STATION OUTFALL DETAIL

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 68	E



LIFT STATION PLAN

NOTE:

REFER TO CONSTRUCTION DETAIL - LIFT STATION SECTIONS

STRUCTURAL GENERAL NOTES DESIGN CRITERIA

DEAD LOAD:	SELF WEIGHT
FLOOR LIVE LOADS:	150 PSF ON EXTERIOR SUPPORTED SLAB
GROUND SNOW LOAD:	40 PSF.
HYDRAULIC LOADS:	63 PCF TO EL. 42.0

SOIL DESIGN PARAMETERS:

A.	NET ALLOWABLE SOIL BEARING PRESSURE:	2000 PSF
B.	GROUND WATER (GW) ELEVATION:	EL. 43.0
C.	NORMAL HIGH GW	EL. 43.0
D.	100 YEAR FLOOD	EL. 43.0
E.	EQUIVALENT DRAINED FLUID PRESSURES (ABOVE GW):	
	ACTIVE:	45 PCF
	AT REST	64 PCF
	PASSIVE	520 PCF
G.	VERTICAL SURCHARGE	2 FT OF SOIL WEIGHT
H.	NATIVE SOIL UNIT WEIGHT	120 PCF
J.	FACTOR OF SAFETY FOR UPLIFT RESISTANCE (SOIL FRICTION AND WEDGE FAILURE CONSIDERED):	
	NORMAL HIGH GW ELEVATION	FOS = 1.25
	100 YEAR FLOOD ELEVATION	FOS = 1.10
K.	FROST DEPTH	60 IN.

GENERAL INFORMATION

THE TAYLOR STREET LIFT STATION SHALL REMAIN OPERATIONAL DURING STRUCUTRAL MODIFICATION WORK. CONTRACTOR SHALL COORDINATE WITH CITY OF LA CROSSE, FOR CONTINUOUS PUMP STATION OPERATION WHILE INSTALLING NEW 36" CONCRETE PIPE.

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURAL PLANS, "TAYLOR STREET, STORM SEWER LIFT STATION"COMPLETED BY THE CITY OF LA CROSSE, DATED MARCH 1968.

ALL ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE BASED ON THE CITY OF LA CROSSE DATUM; CORRECT TO PROJECT DATUM BY ADDING 600.91 TO ALL ELEVATIONS SHOWN.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES. ADDITIONAL UTILITIES NOT SHOWN ON PLANS AND SECTIONS MAY BE PRESENT.

CONCRETE

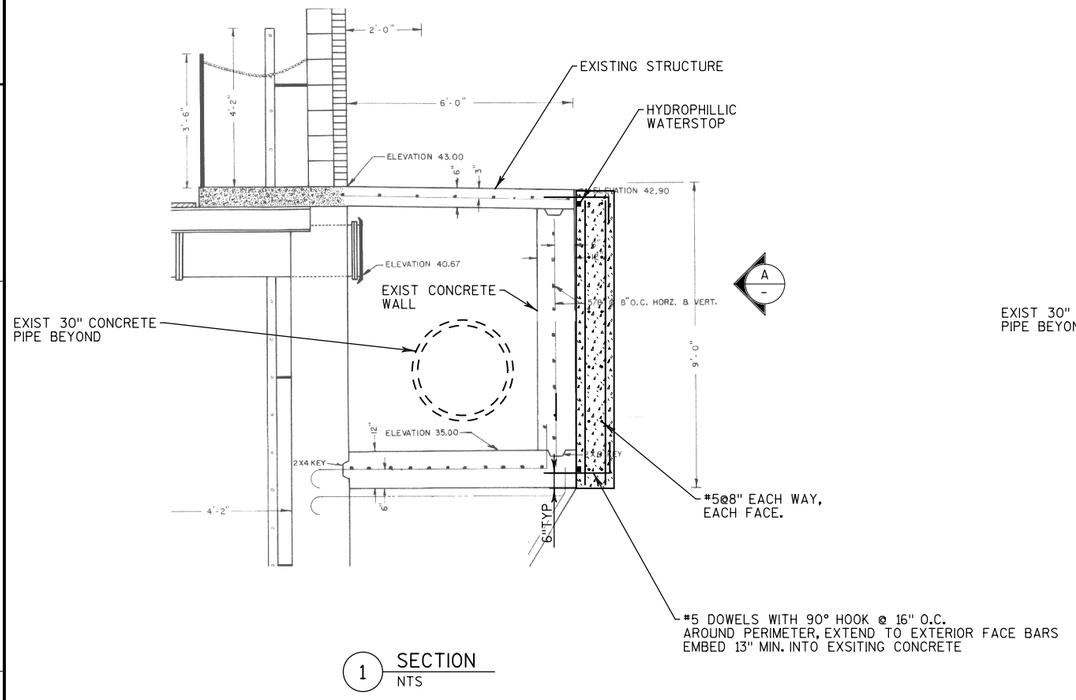
CAST-IN-PLACE CONCRETE: f'c = 4000 PSI WITH AIR ENTRAINMENT.

BAR STEEL REINFORCEMENT: fy = 60,000 P.S.I. BLACK STEEL.

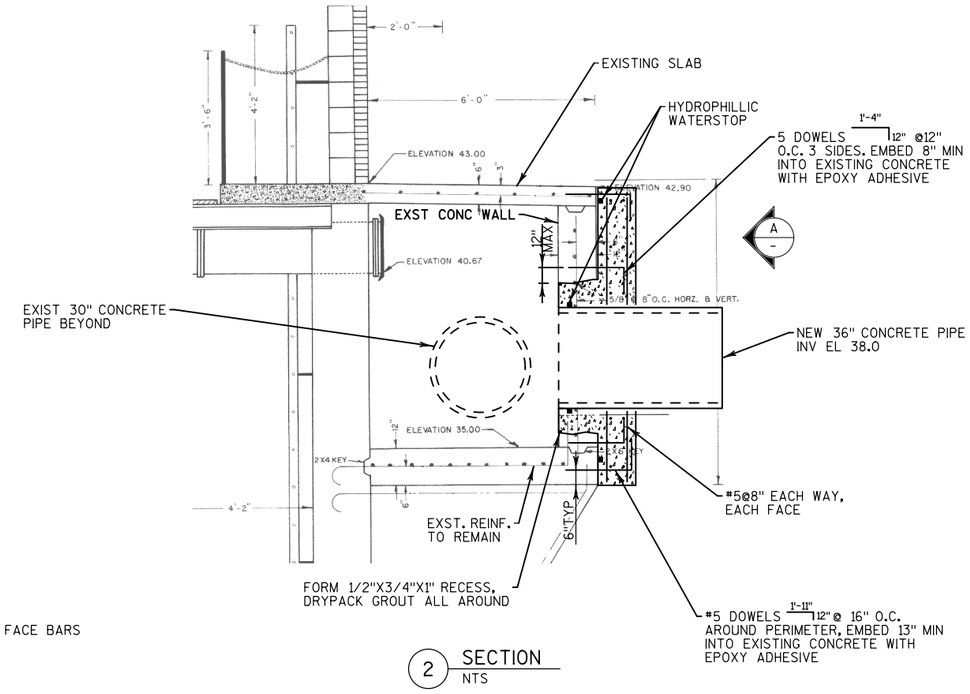
BAR STEEL REINFORCEMENT CLEAR COVER SHALL BE 2"UNLESS OTHERWISE NOTED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾"UNLESS OTHERWISE NOTED.

ALL WATERSTOPS SHALL BE HYDROPHILLIC SURFACE APPLIED SYSTEMS.



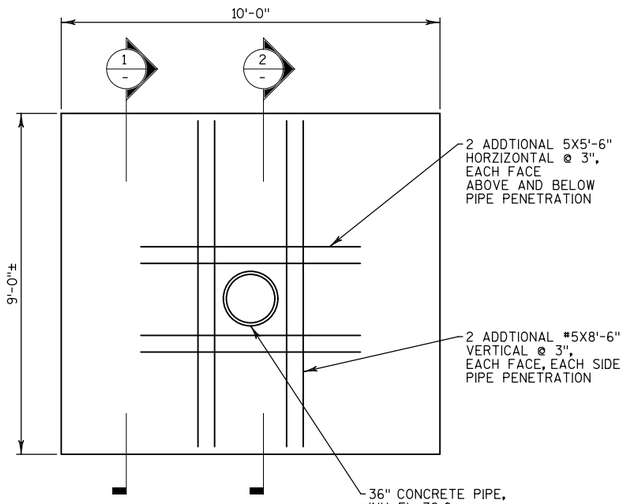
1 SECTION
NTS



2 SECTION
NTS

GENERAL INFORMATION

1. REFER TO GENERAL CONSTRUCTION DETAIL - LIFT STATION PLAN FOR STRUCTURAL GENERAL NOTES.
2. ELEVATIONS SHOWN ARE BASED ON CITY OF LA CROSSE DATUM.



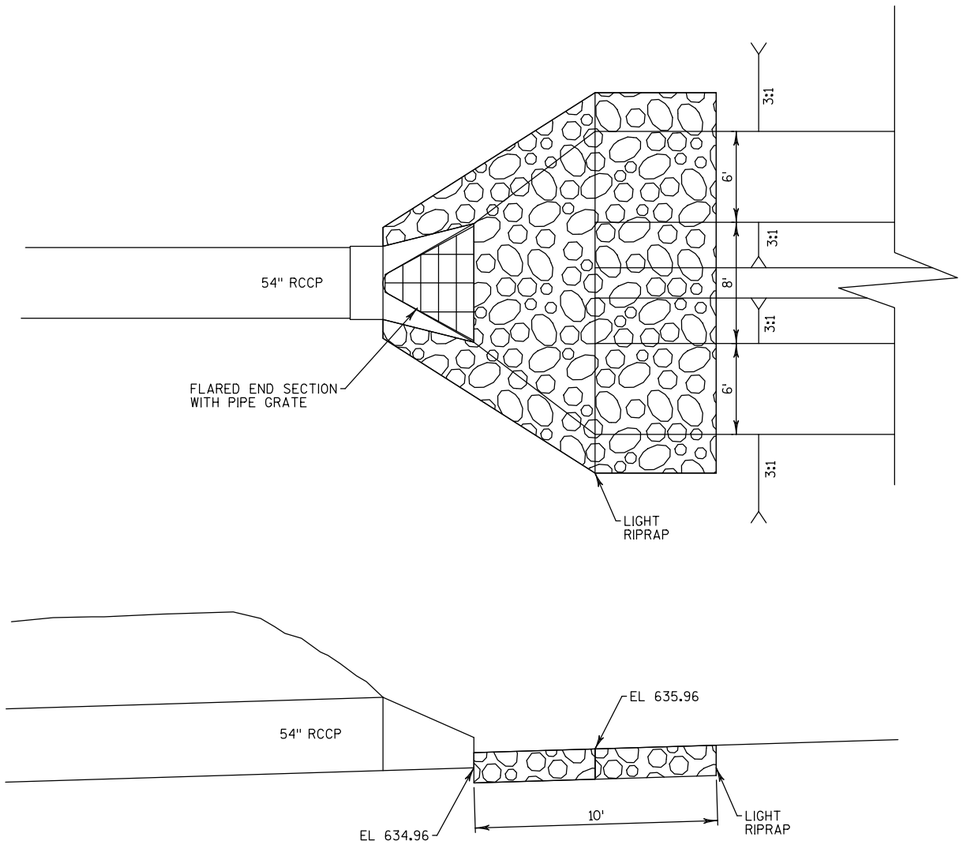
A DETAIL
NTS

NOTE:

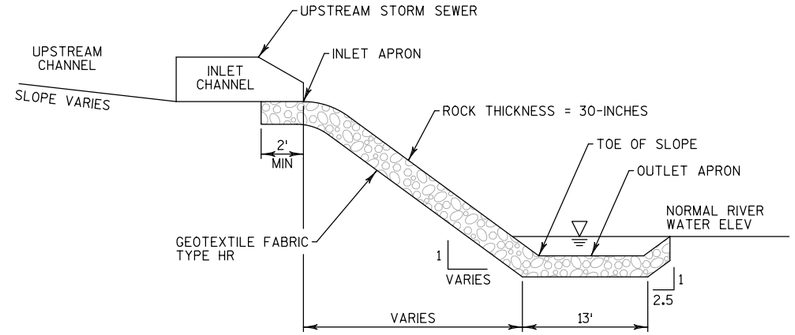
SEE SECTIONS 1 AND 2 FOR TYPICAL WALL REINFORCING

LIFT STATION SECTIONS

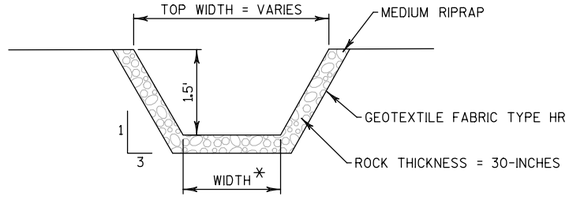
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL	SHEET 70	E



SWALE OUTFALL DETAIL



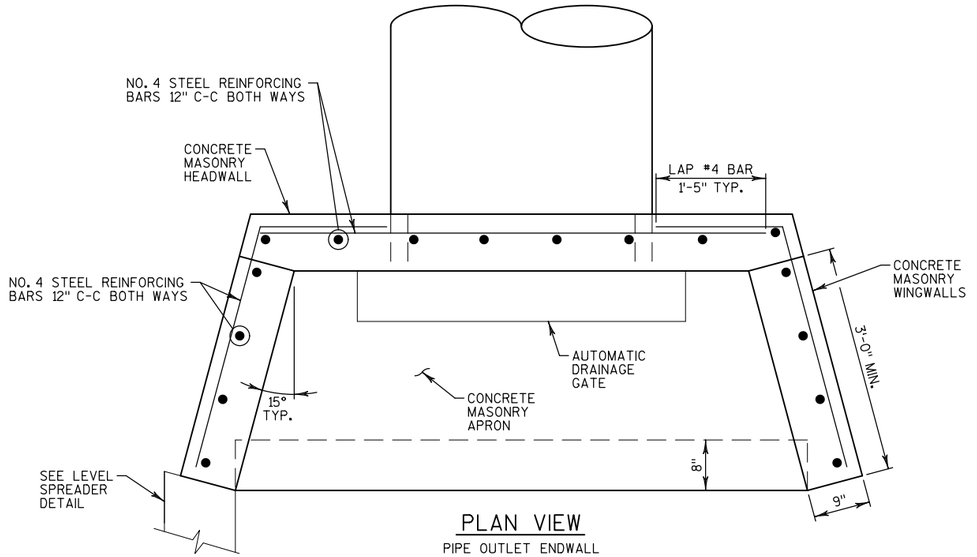
PROFILE ALONG CENTERLINE OF ROCK CHUTE



* UPSTREAM STORM SEWER DIAMETER:
36" WIDTH = 6'
LESS THAN 36" WIDTH = 4'

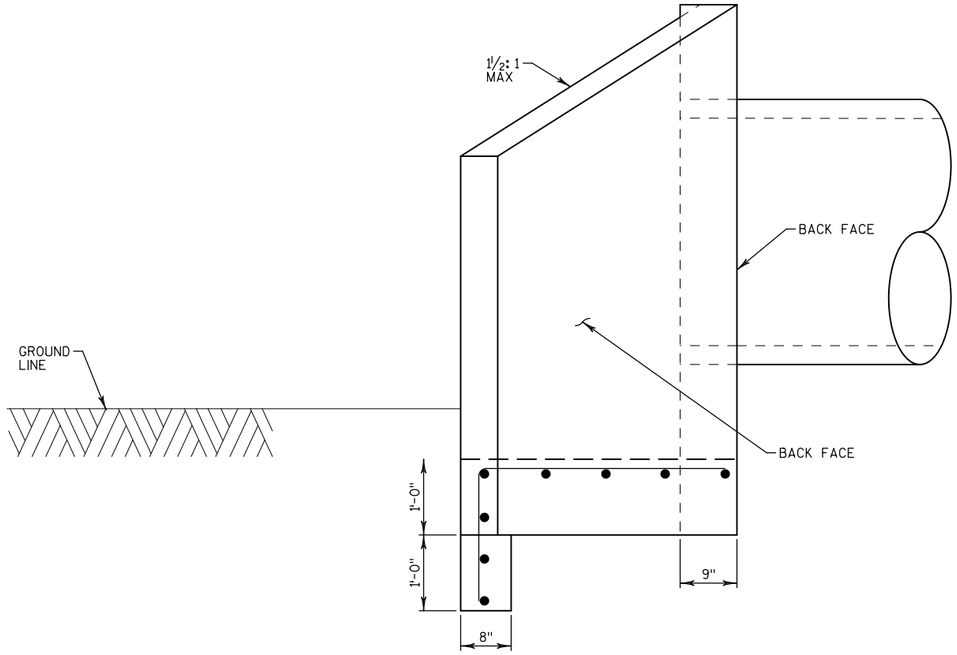
ROCK CHUTE CROSS SECTION

RIPRAP AND GEOTEXTILE DETAIL
AT APRON ENDWALL FOR RIVER OUTFALLS



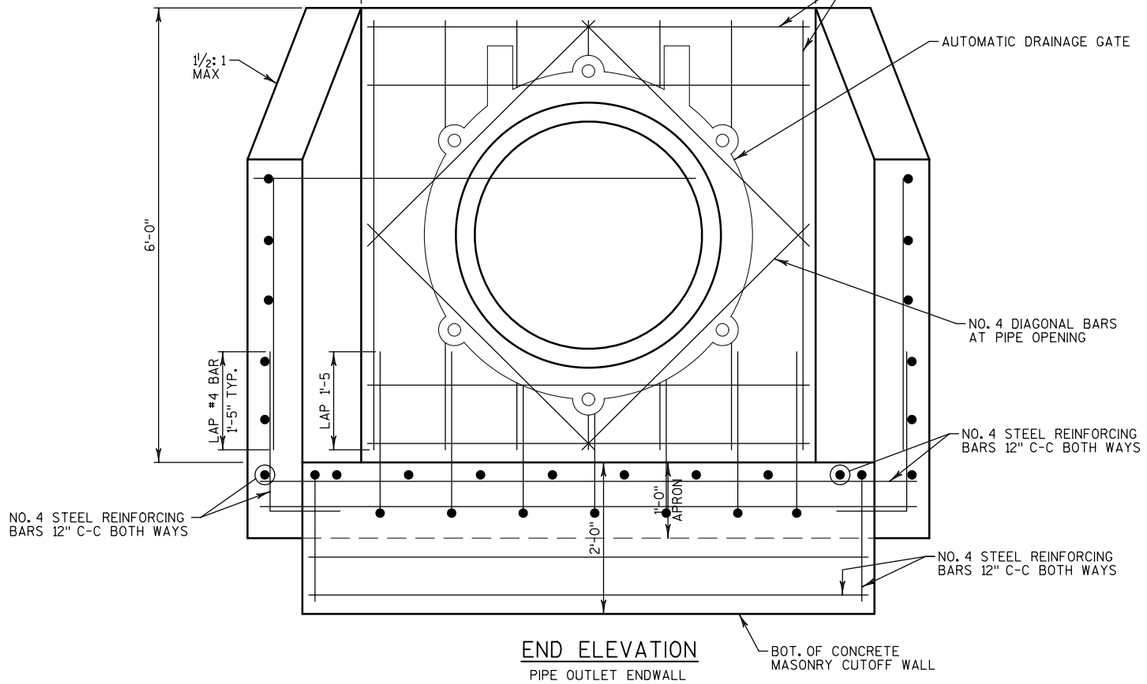
PLAN VIEW

PIPE OUTLET ENDWALL



SIDE ELEVATION

PIPE OUTLET ENDWALL



END ELEVATION

PIPE OUTLET ENDWALL

GENERAL NOTES

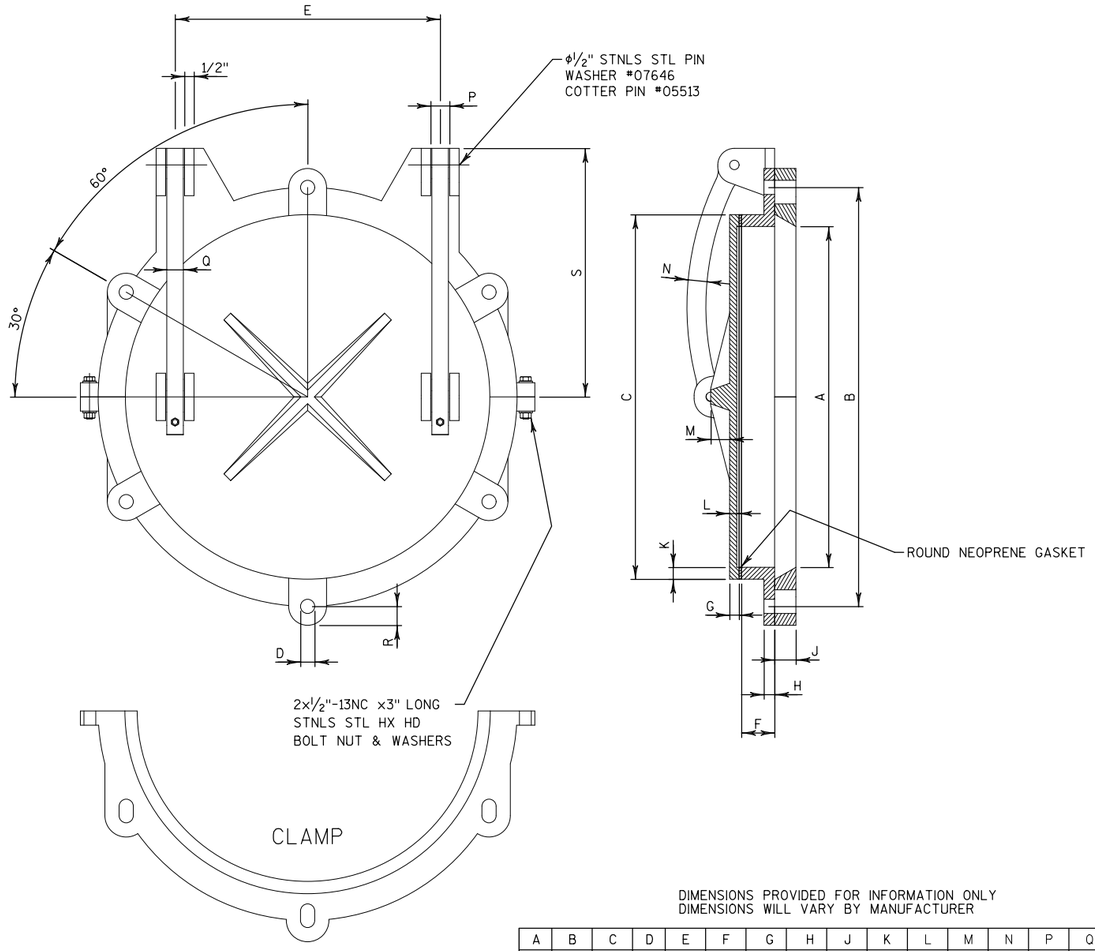
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

COORDINATE ENDWALL DIMENSIONS AND REINFORCEMENT WITH THE AUTOMATIC DRAINAGE GATE MANUFACTURERS REQUIREMENTS.

ALL WORK FOR THE ENDWALL INCLUDING CONCRETE MASONRY, REINFORCING STEEL, EXCAVATING, AND ALL OTHER MISCELLANEOUS ITEMS IS INCLUDED IN THE BID ITEM "CONCRETE MASONRY ENDWALLS".

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - PIPE OUTLET DETAILS	SHEET 72	E

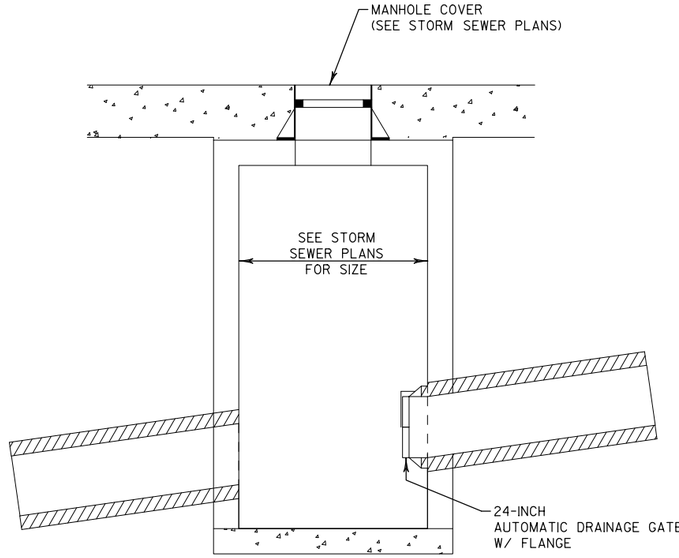


AUTOMATIC DRAINAGE GATE
36-INCH

DIMENSIONS PROVIDED FOR INFORMATION ONLY
DIMENSIONS WILL VARY BY MANUFACTURER

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
36"	41 1/2"	37 1/2"	1"	34 7/8"	1 3/4"	3/4"	3/4"	1 1/4"	3/4"	5/8"	2 1/4"	1 1/2"	1 3/8"	1 1/8"	1"	22 7/8"

NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH.
MATERIAL: FRAME, LID, CLAMPS, ARMS - CAST GRAY IRON ASTM A-48, CLASS 35B.
27" ARM - CAST DUCTILE IRON, ASTM A-536, 55+KSI YIELD.
FINISH: BLACK EPOXY PAINT.

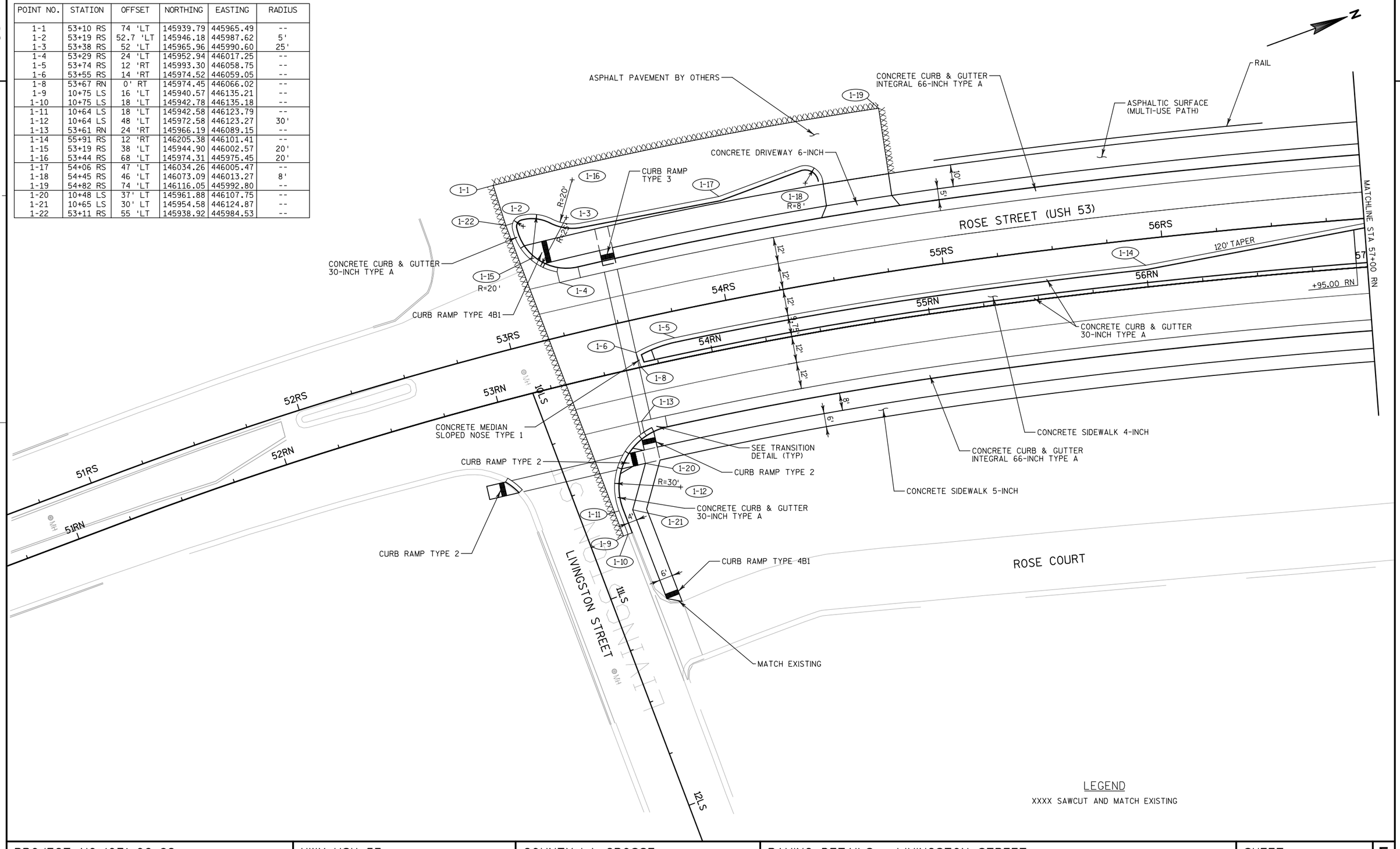


MANHOLE W/ GATE

PROJECT NO: 1071-06-82/83	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION DETAIL - AUTOMATIC DRAINAGE GATE 36-INCH	SHEET 73	E

ROSE STREET/LIVINGSTON STREET INTERSECTION

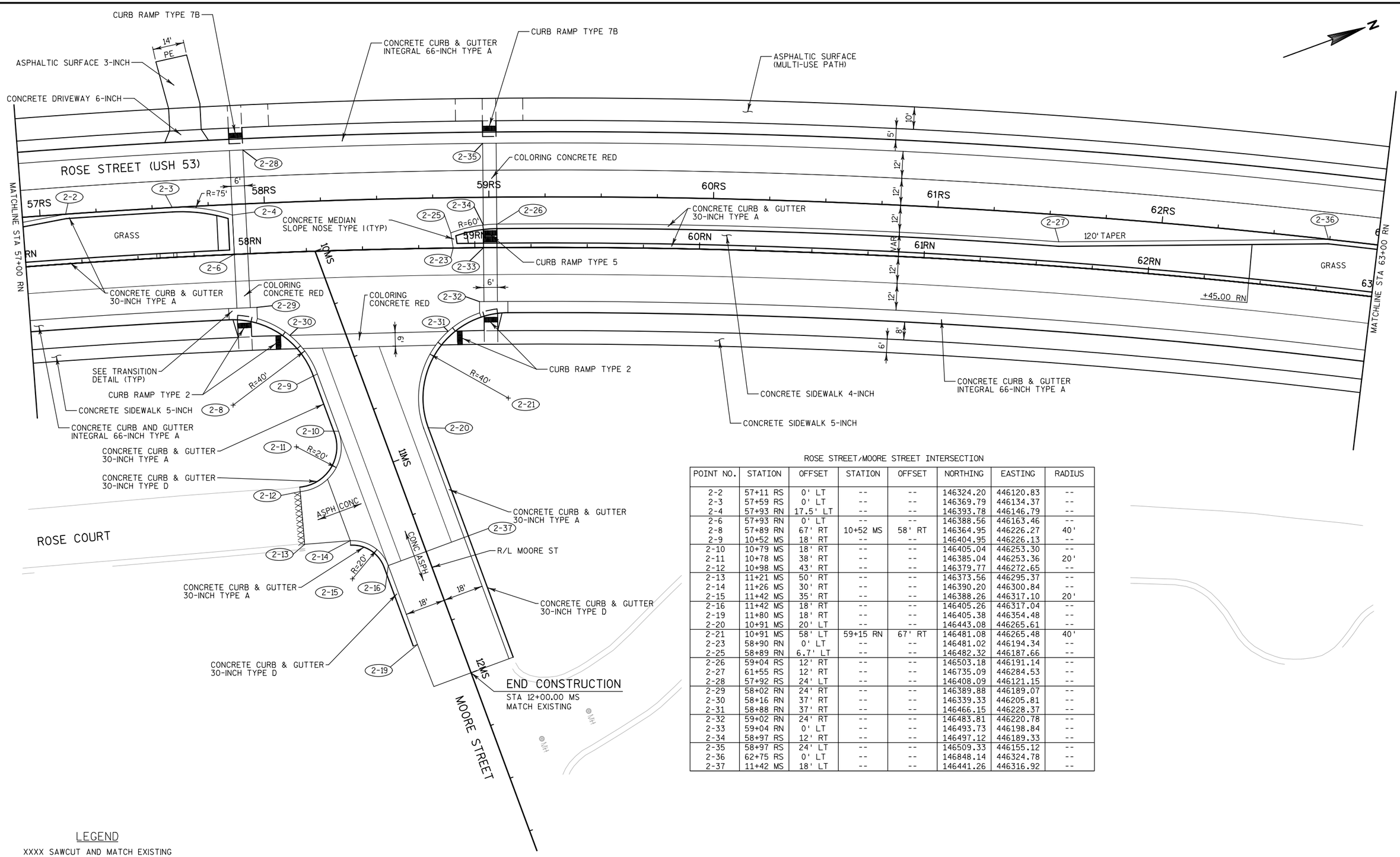
POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
1-1	53+10 RS	74 'LT	145939.79	445965.49	--
1-2	53+19 RS	52.7 'LT	145946.18	445987.62	5'
1-3	53+38 RS	52 'LT	145965.96	445990.60	25'
1-4	53+29 RS	24 'LT	145952.94	446017.25	--
1-5	53+74 RS	12 'RT	145993.30	446058.75	--
1-6	53+55 RS	14 'RT	145974.52	446059.05	--
1-8	53+67 RN	0' RT	145974.45	446066.02	--
1-9	10+75 LS	16 'LT	145940.57	446135.21	--
1-10	10+75 LS	18 'LT	145942.78	446135.18	--
1-11	10+64 LS	18 'LT	145942.58	446123.79	--
1-12	10+64 LS	48 'LT	145972.58	446123.27	30'
1-13	53+61 RN	24 'RT	145966.19	446089.15	--
1-14	55+91 RS	12 'RT	146205.38	446101.41	--
1-15	53+19 RS	38 'LT	145944.90	446002.57	20'
1-16	53+44 RS	68 'LT	145974.31	445975.45	20'
1-17	54+06 RS	47 'LT	146034.26	446005.47	--
1-18	54+45 RS	46 'LT	146073.09	446013.27	8'
1-19	54+82 RS	74 'LT	146116.05	445992.80	--
1-20	10+48 LS	37' LT	145961.88	446107.75	--
1-21	10+65 LS	30' LT	145954.58	446124.87	--
1-22	53+11 RS	55 'LT	145938.92	445984.53	--



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - LIVINGSTON STREET	SHEET 74	E

FILE NAME : ch_0682_021101_id.dgn PLOT DATE : 22-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



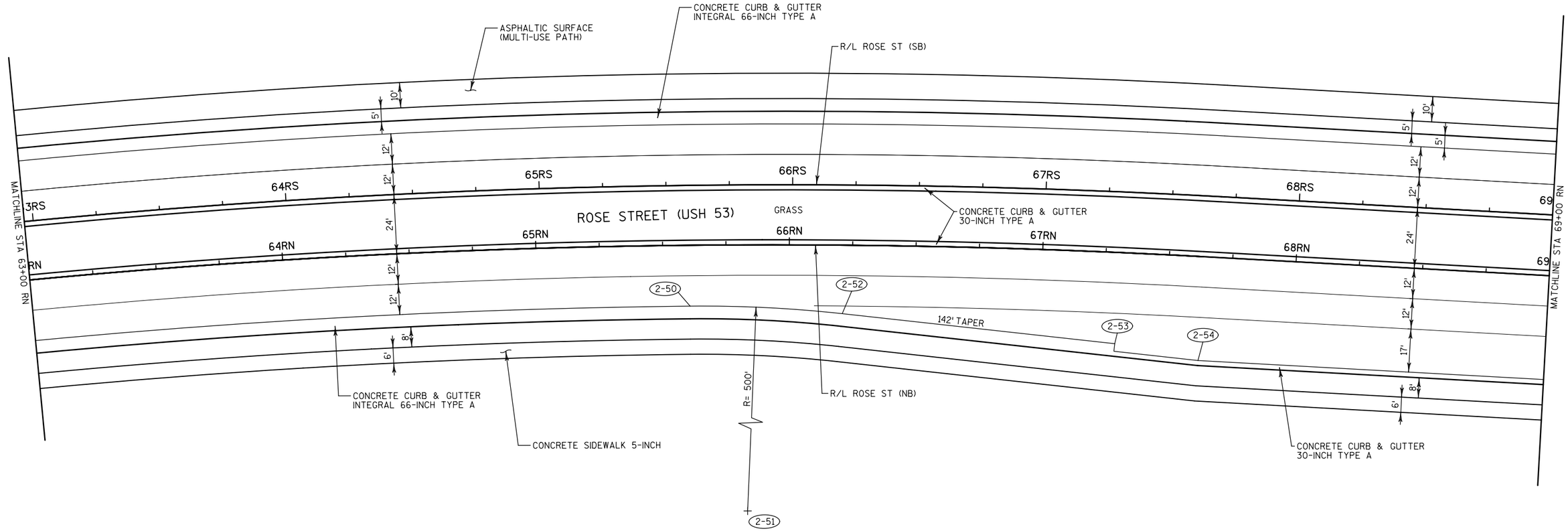
ROSE STREET/MOORE STREET INTERSECTION

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
2-2	57+11 RS	0' LT	--	--	146324.20	446120.83	--
2-3	57+59 RS	0' LT	--	--	146369.79	446134.37	--
2-4	57+93 RN	17.5' LT	--	--	146393.78	446146.79	--
2-6	57+93 RN	0' LT	--	--	146388.56	446163.46	--
2-8	57+89 RN	67' RT	10+52 MS	58' RT	146364.95	446226.27	40'
2-9	10+52 MS	18' RT	--	--	146404.95	446226.13	--
2-10	10+79 MS	18' RT	--	--	146405.04	446253.30	--
2-11	10+78 MS	38' RT	--	--	146385.04	446253.36	20'
2-12	10+98 MS	43' RT	--	--	146379.77	446272.65	--
2-13	11+21 MS	50' RT	--	--	146373.56	446295.37	--
2-14	11+26 MS	30' RT	--	--	146390.20	446300.84	--
2-15	11+42 MS	35' RT	--	--	146388.26	446317.10	20'
2-16	11+42 MS	18' RT	--	--	146405.26	446317.04	--
2-19	11+80 MS	18' RT	--	--	146405.38	446354.48	--
2-20	10+91 MS	20' LT	--	--	146443.08	446265.61	--
2-21	10+91 MS	58' LT	59+15 RN	67' RT	146481.08	446265.48	40'
2-23	58+90 RN	0' LT	--	--	146481.02	446194.34	--
2-25	58+89 RN	6.7' LT	--	--	146482.32	446187.66	--
2-26	59+04 RS	12' RT	--	--	146503.18	446191.14	--
2-27	61+55 RS	12' RT	--	--	146735.09	446284.53	--
2-28	57+92 RS	24' LT	--	--	146408.09	446121.15	--
2-29	58+02 RN	24' RT	--	--	146389.88	446189.07	--
2-30	58+16 RN	37' RT	--	--	146339.33	446205.81	--
2-31	58+88 RN	37' RT	--	--	146466.15	446228.37	--
2-32	59+02 RN	24' RT	--	--	146483.81	446220.78	--
2-33	59+04 RN	0' LT	--	--	146493.73	446198.84	--
2-34	58+97 RS	12' RT	--	--	146497.12	446189.33	--
2-35	58+97 RS	24' LT	--	--	146509.33	446155.12	--
2-36	62+75 RS	0' LT	--	--	146848.14	446324.78	--
2-37	11+42 MS	18' LT	--	--	146441.26	446316.92	--

LEGEND

XXXX SAWCUT AND MATCH EXISTING

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - MOORE STREET	SHEET 75	E



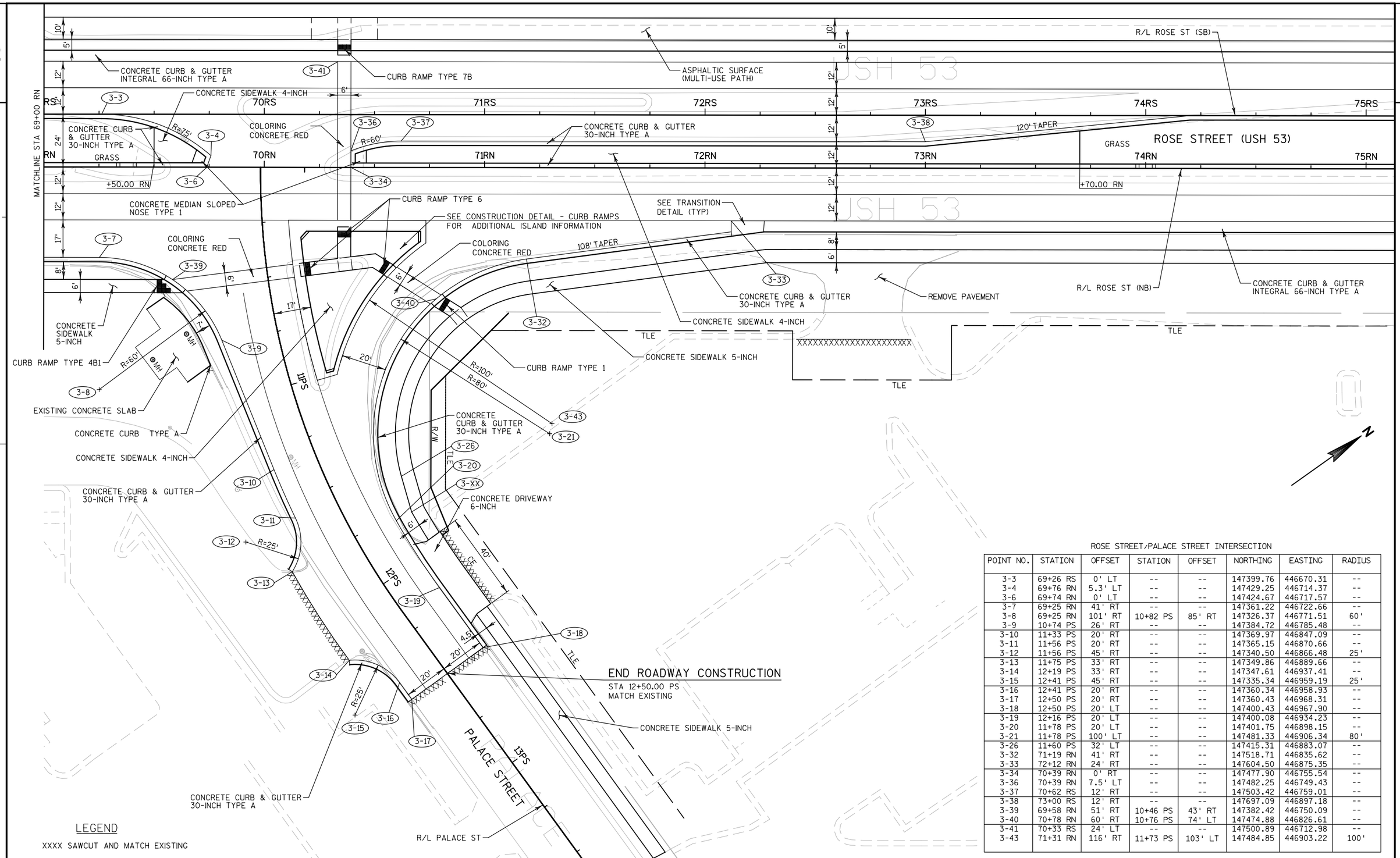
ROSE STREET/MOORE STREET INTERSECTION

POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
2-50	65+61 RN	24' RT	147071.86	446503.41	--
2-51	65+61 RN	524' RT	146808.69	446928.55	500'
2-52	66+21 RN	27' RT	147120.93	446538.03	--
2-53	67+30 RN	36' RT	147205.38	446605.55	--
2-54	67+63 RN	41' RT	147229.56	446628.73	--

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 76	E

FILE NAME : ch_0682_021103_id.dgn PLOT DATE : 22-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

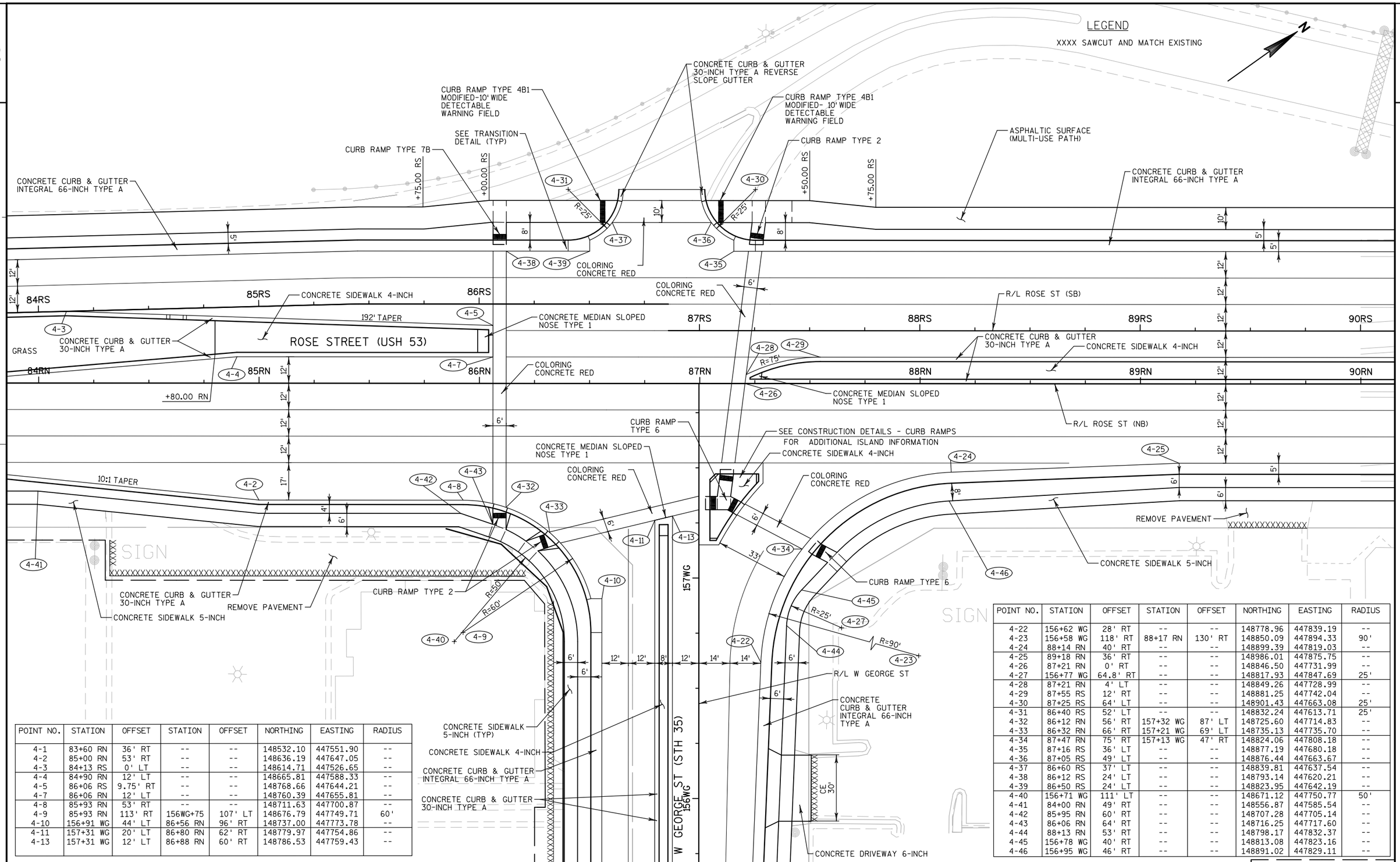
WISDOT/CADDS SHEET 42



ROSE STREET/PALACE STREET INTERSECTION

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
3-3	69+26 RS	0' LT	--	--	147399.76	446670.31	--
3-4	69+76 RN	5.3' LT	--	--	147429.25	446714.37	--
3-6	69+74 RN	0' LT	--	--	147424.67	446717.57	--
3-7	69+25 RN	41' RT	--	--	147361.22	446722.66	--
3-8	69+25 RN	101' RT	10+82 PS	85' RT	147326.37	446771.51	60'
3-9	10+74 PS	26' RT	--	--	147384.72	446785.48	--
3-10	11+33 PS	20' RT	--	--	147369.97	446847.09	--
3-11	11+56 PS	20' RT	--	--	147365.15	446870.66	--
3-12	11+56 PS	45' RT	--	--	147340.50	446866.48	25'
3-13	11+75 PS	33' RT	--	--	147349.86	446889.66	--
3-14	12+19 PS	33' RT	--	--	147347.61	446937.41	--
3-15	12+41 PS	45' RT	--	--	147335.34	446959.19	25'
3-16	12+41 PS	20' RT	--	--	147360.34	446958.93	--
3-17	12+50 PS	20' RT	--	--	147360.43	446968.31	--
3-18	12+50 PS	20' LT	--	--	147400.43	446967.90	--
3-19	12+16 PS	20' LT	--	--	147400.08	446934.23	--
3-20	11+78 PS	20' LT	--	--	147401.75	446898.15	--
3-21	11+78 PS	100' LT	--	--	147481.33	446906.34	80'
3-26	11+60 PS	32' LT	--	--	147415.31	446883.07	--
3-32	71+19 RN	41' RT	--	--	147518.71	446835.62	--
3-33	72+12 RN	24' RT	--	--	147604.50	446875.35	--
3-34	70+39 RN	0' RT	--	--	147477.90	446755.54	--
3-36	70+39 RN	7.5' LT	--	--	147482.25	446749.43	--
3-37	70+62 RS	12' RT	--	--	147503.42	446759.01	--
3-38	73+00 RS	12' RT	--	--	147697.09	446897.18	--
3-39	69+58 RN	51' RT	10+46 PS	43' RT	147382.42	446750.09	--
3-40	70+78 RN	60' RT	10+76 PS	74' LT	147474.88	446826.61	--
3-41	70+33 RS	24' LT	--	--	147500.89	446712.98	--
3-43	71+31 RN	116' RT	11+73 PS	103' LT	147484.85	446903.22	100'

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - PALACE STREET	SHEET 77	E



POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
4-1	83+60 RN	36' RT	--	--	148532.10	447551.90	--
4-2	85+00 RN	53' RT	--	--	148636.19	447647.05	--
4-3	84+13 RS	0' LT	--	--	148614.71	447526.65	--
4-4	84+90 RN	12' LT	--	--	148665.81	447588.33	--
4-5	86+06 RS	9.75' RT	--	--	148768.66	447644.21	--
4-7	86+06 RN	12' LT	--	--	148760.39	447655.81	--
4-8	85+93 RN	53' RT	--	--	148711.63	447700.87	--
4-9	85+93 RN	113' RT	156WG+75	107' LT	148676.79	447749.71	60'
4-10	156+91 WG	44' LT	86+56 RN	96' RT	148737.00	447773.78	--
4-11	157+31 WG	20' LT	86+80 RN	62' RT	148779.97	447754.86	--
4-13	157+31 WG	12' LT	86+88 RN	60' RT	148786.53	447759.43	--

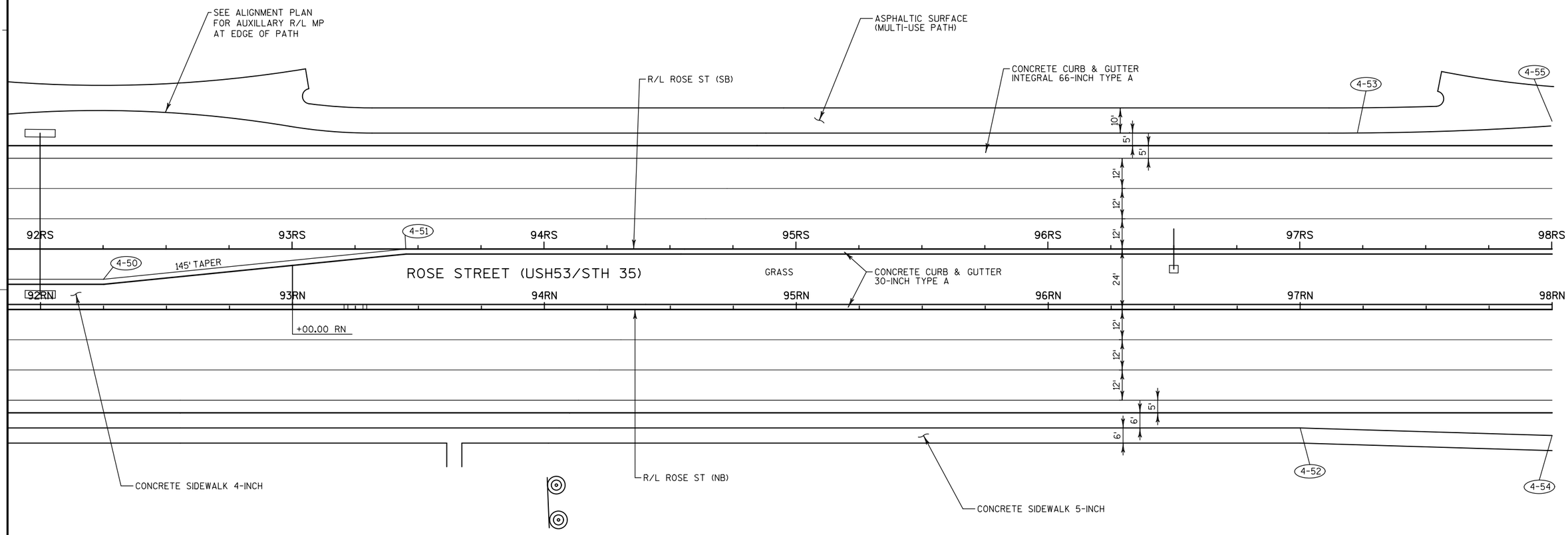
POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
4-22	156+62 WG	28' RT	--	--	148778.96	447839.19	--
4-23	156+58 WG	118' RT	88+17 RN	130' RT	148850.09	447894.33	90'
4-24	88+14 RN	40' RT	--	--	148899.39	447819.03	--
4-25	89+18 RN	36' RT	--	--	148986.01	447875.75	--
4-26	87+21 RN	0' RT	--	--	148846.50	447731.99	--
4-27	156+77 WG	64.8' RT	--	--	148817.93	447847.69	25'
4-28	87+21 RN	4' LT	--	--	148849.26	447728.99	--
4-29	87+55 RS	12' RT	--	--	148881.25	447742.04	--
4-30	87+25 RS	64' LT	--	--	148901.43	447663.08	25'
4-31	86+40 RS	52' LT	--	--	148832.24	447613.71	25'
4-32	86+12 RN	56' RT	157+32 WG	87' LT	148725.60	447714.83	--
4-33	86+32 RN	66' RT	157+21 WG	69' LT	148735.13	447735.70	--
4-34	87+47 RN	75' RT	157+13 WG	47' RT	148824.06	447808.18	--
4-35	87+16 RS	36' LT	--	--	148877.19	447680.18	--
4-36	87+05 RS	49' LT	--	--	148876.44	447663.67	--
4-37	86+60 RS	37' LT	--	--	148839.81	447637.54	--
4-38	86+12 RS	24' LT	--	--	148793.14	447620.21	--
4-39	86+50 RS	24' LT	--	--	148823.95	447642.19	--
4-40	156+71 WG	111' LT	--	--	148671.12	447750.77	50'
4-41	84+00 RN	49' RT	--	--	148556.87	447585.54	--
4-42	85+95 RN	60' RT	--	--	148707.28	447705.14	--
4-43	86+06 RN	64' RT	--	--	148716.25	447717.60	--
4-44	88+13 RN	53' RT	--	--	148798.17	447832.37	--
4-45	156+78 WG	40' RT	--	--	148813.08	447823.16	--
4-46	156+95 WG	46' RT	--	--	148891.02	447829.11	--

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - W GEORGE STREET (STH 35)	SHEET 78	E

2

LEGEND

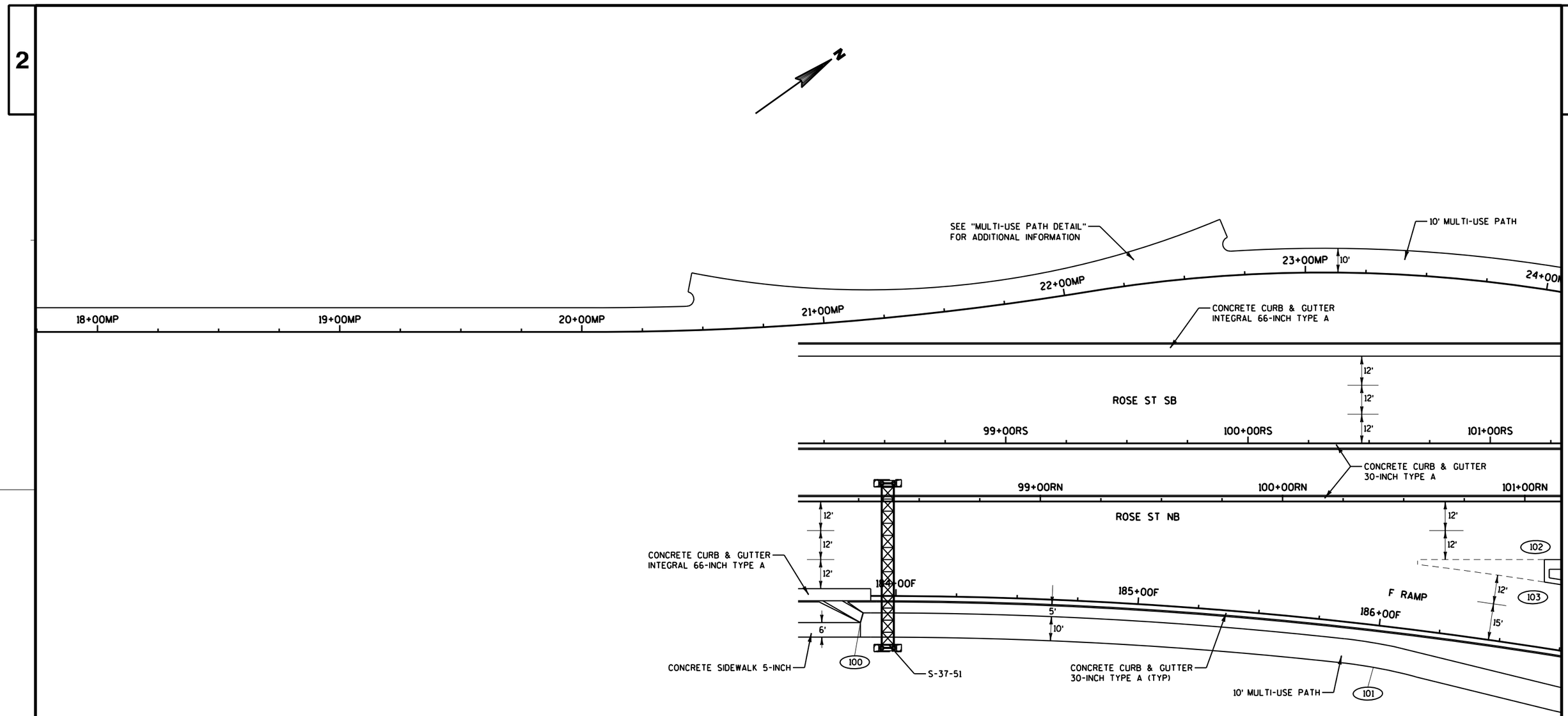
XXXX SAWCUT AND MATCH EXISTING



ROSE STREET/W. GEORGE STREET INTERSECTION

POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
4-50	92+25 RN	12' LT	149264.13	448015.21	--
4-51	93+45 RN	24' LT	149368.79	448075.14	--
4-52	97+00 RN	47' RT	149616.54	448339.12	--
4-53	97+23 RS	34' LT	149703.20	448256.83	--
4-54	98+00 RN	50' RT	149696.20	448399.64	--
4-55	98+00 RS	39' LT	149768.61	448298.13	--

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 79	E



DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
100	98+25.75 RN	50'RT	---	---	---	---	---
101	---	---	---	---	149736.00	448692.68	200'
102	101+08.06 RN	24'RT	---	---	---	---	---
103	101+08.06 RN	33.3'RT	---	---	---	---	---

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	INTERSECTION DETAIL - EB RAMP TERMINAL	SHEET 80	E

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
202	103+61.23 RS	109' LT	189+11.80 E	82' RT	150247.74	448568.34	65'
203	103+77.43 RS	99.9' LT	189+28.27 E	70' RT	150255.63	448585.17	70'
204	103+01.23 RS	36' LT	---	---	---	---	---
205	103+61.23 RS	44' LT	---	---	---	---	---
206	104+89.57 RS	49' LT	190+10.54 E	25' LT	150317.37	448691.72	8'
207	188+68.15 E	12' RT	---	---	---	---	---
208	188+77.59 E	14' RT	---	---	---	---	---
209	189+11.79 E	17' RT	---	---	---	---	---
210	189+62.61 E	7.7' RT	---	---	---	---	---
211	189+95.70 E	19.4' RT	---	---	---	---	---
212	190+00.72 E	36.8' RT	---	---	---	---	---
213	104+30.04 RS	41' LT	--	---	---	---	---
214	189+64.60 E	0	---	---	---	---	---
215	190+09.91 E	0	---	---	---	---	---
216	104+61.93 RS	41' LT	---	---	---	---	---
217	104+82.00 RS	36' LT	---	---	---	---	---

SEE "PAVING DETAILS - E RAMP" FOR ADDITIONAL LAYOUT POINTS BEYOND SHEET LIMITS.

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
218	---	---	---	---	150205.33	448850.90	200'
219	---	---	---	---	150507.00	448572.73	200'
221	104+43.12 RS	15.9' RT	104+28.85 RN	8.1' LT	---	---	---
222	104+43.12 RS	24' RT	104+28.85 RN	0	---	---	---
223	105+42.32 RS	15.3' RT	105+28.05 RN	8.7' LT	---	---	---
224	105+42.32 RS	24' RT	105+28.05 RN	0	---	---	---
225	103+61.69 RN	126' RT	189+31.32 F	6.4' RT	150109.30	448787.73	150'
226	189+90.00 F	25.5' RT	---	---	---	---	---
227	103+28.85 RN	60.7' RT	188+81.89 F	46.9' LT	150120.50	448715.50	100'
228	189+38.21 FA	29.9' RT	---	---	---	---	---
229	104+58.51 RN	37' RT	189+39.40 F	10' RT	150239.82	448771.52	8'
230	104+69.97 RN	24' RT	189+28.24 F	0	---	---	---
231	189+73.03 FA	22' LT	---	---	---	---	---
232	190+32.96 FA	0	190+51.44 F	32' LT	---	---	---
233	190+35.85 FA	5' RT	190+48.55 F	27' LT	---	---	---
234	190+95.54 F	39.4' LT	190+48.63 F	41.9' LT	---	---	---

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
235	190+08.71 FA	72' LT	191+01.67 F	89' LT	150287.37	448867.78	50'
236	189+73.03 FA	52' LT	105+26.15 R	57' RT	150283.26	448827.08	30'
237	105+47.75 RN	48' RT	189+68.72 F	75' LT	150306.07	448832.30	60'
238	191+79.66 F	29' LT	---	---	---	---	---
239	192+01.67 F	27' LT	---	---	---	---	---
240	103+61.23 RS	109' LT	189+11.79 E	82' RT	150247.74	448568.34	65'
241	103+77.43 RS	99.9' LT	189+28.27 E	70' RT	150255.63	448585.17	70'
242	---	---	---	---	150088.18	448473.49	200'
243	105-15.38 RN	24' RT	---	---	---	---	---

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

(R) COLORING CONCRETE WISDOT RED

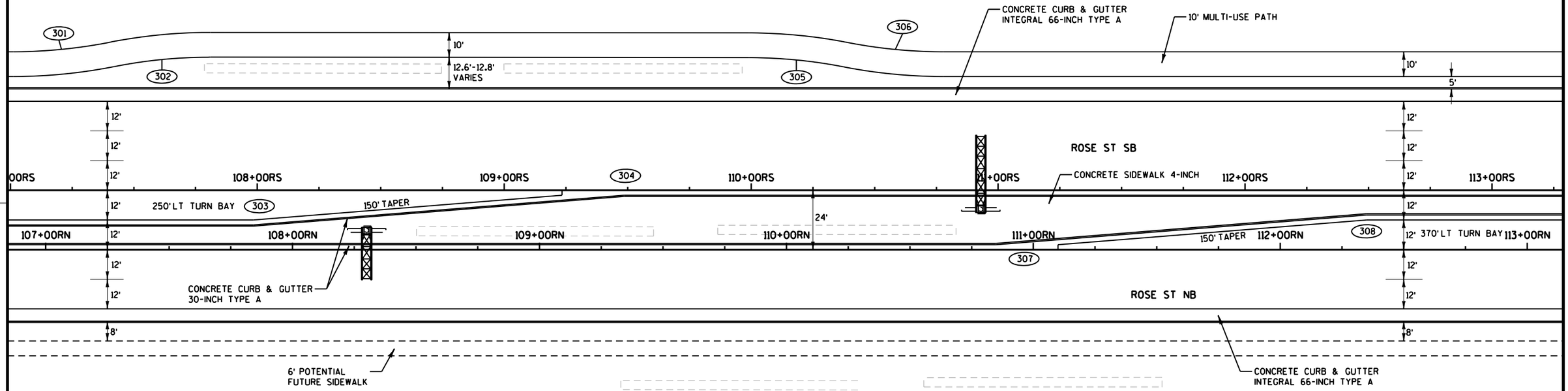
SEE "PAVING DETAILS - F RAMP" FOR ADDITIONAL LAYOUT POINTS BEYOND SHEET LIMITS.

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	INTERSECTION DETAIL - EB RAMP TERMINAL	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\da_0682_021102_id.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:40

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
301	---	---	---	----	150609.82	448646.09	200'
302	---	---	---	----	150441.10	449019.77	200'
303	107+98.46 RS	12' RT	107+84.19 RN	12' LT	---	---	---
304	109+48.45 RS	0	109+34.18 RN	24' LT	---	---	---
305	---	---	---	---	150618.52	449146.57	200'
306	---	---	---	---	150916.33	448864.78	200'
307	110+84.92 RN	0	---	---	---	---	---
308	112+34.97 RN	12' LT	---	---	---	---	---


301
302
305
306
10'
12.6'-12.8'
VARIES
CONCRETE CURB & GUTTER
INTEGRAL 66-INCH TYPE A
10' MULTI-USE PATH
10'
5'
12'
12'
12

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
418	199+73.24 G	38' LT	---	---	---	---	---
419	199+66.97 G	36.4' LT	---	---	---	---	---
420	199+63.66 G	18.6' LT	---	---	---	---	---
421	200+86.48 G	26' LT	---	---	---	---	---
422	200+98.26 G	24' LT	---	---	---	---	---
423	200+42.49 G	84' LT	108+02.67 RN	87' RT	151304.99	449592.90	79'
424	200+42.49 G	84' LT	108+02.67 RN	87' RT	151304.99	449592.90	55'
425	117+88.17 RN	0	---	---	---	---	---
426	118+62.67 RN	24' RT	---	---	---	---	---
427	---	---	---	---	151413.94	449701.70	200'
428	120+21.33 RS	53' LT	---	---	---	---	---
429	---	---	---	---	151774.72	449472.51	200'
430	121+50.00 RS	36' LT	---	---	---	---	---
431	199+86.53 H	0	---	---	---	---	---
432	199+57.87 H	0	---	---	---	---	---
433	116+70.56 RN	37' RT	199+61.99 G	34' RT	151226.48	449475.47	8'

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
401	115+84.27 RS	36' LT	---	---	---	---	---
402	116+08.02 RS	0	115+93.75 RN	24' LT	---	---	---
403	116+27.67 RS	3.3' RT	116+13.40 RN	20.7' LT	---	---	---
404	116+27.67 RS	12' RT	116+13.40 RN	12' LT	---	---	---
405	115+93.75 RN	36' RT	199+46.94 G	109.3' RT	151164.54	449430.04	60'
406	116+69.99 RS	73' LT	200+66.30 H	35' RT	151292.23	449357.77	20'
407	---	---	---	---	151233.97	449450.10	100'
408	200+56.99 H	11' LT	---	---	---	---	---
409	200+56.99 H	78' LT	117+71.81 RS	123' LT	151404.16	449376.20	70'
410	200+62.73 H	107.6' LT	118+02.44 RS	126' LT	151430.83	449391.55	150'
411	117+35.28 RS	0	117+21.01 RN	24' LT	---	---	---
412	117+35.28 RS	8.1' RT	117+21.01 RN	15.9' LT	---	---	---
413	116+78.30 RN	24' RT	199+50.63 G	24' RT	---	---	---
414	200+10.69 G	24' RT	---	---	---	---	---
415	199+51.64 G	15' LT	---	---	---	---	---
416	199+88.10 G	15' LT	---	---	---	---	---
417	199+90.56 G	21.8' LT	---	---	---	---	---

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

SEE "PAVING DETAILS - G RAMP" FOR ADDITIONAL LAYOUT POINTS BEYOND SHEET LIMITS.

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	INTERSECTION DETAIL - WB RAMP TERMINAL	SHEET 83	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_021104_id.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:40

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
501	126+93.70 RS	36' LT	---	---	---	---	---
502	---	---	---	---	152244.76	449811.84	200'
503	127+79.56 RS	116.2' LT	20+86.77 GR	95' RT	152218.26	449971.35	70'
504	---	---	---	---	152081.21	450192.89	200'
505	127+89.53 RS	108.7' LT	20+94.16 GR	85' RT	152222.00	449983.21	75'
506	20+44.55 GR	72.5' RT	128+02.20 RS	158.3' LT	152261.29	449950.44	47.5'
507	20+00.72 GR	88.3' RT	---	---	---	---	---
508	20+24.14 GR	10' RT	---	---	---	---	---
509	20+94.16 GR	10' RT	---	---	---	---	---
510	21+25.85 GR	17' RT	---	---	---	---	---
511	128+14.32 RS	48' LT	21+54.81 GR	60' RT	152206.55	450046.97	60'
512	128+44.28 RS	36' LT	21+66.70 GR	30' RT	152223.82	450074.23	60'
513	128+39.11 RS	0	128+24.71 RS	24' LT	---	---	---
514	128+39.11 RS	6.6' RT	128+24.71 RN	17.4' LT	---	---	---
515	127+99.92 RN	12' LT	---	---	---	---	---
516	128+58.64 RN	7.3' LT	---	---	---	---	---
517	128+60.76 RN	0	---	---	---	---	---
518	128+94.24 RS	4' RT	128+79.84 RN	20' LT	152240.91	450135.91	4'
519	20+24.14 GR	0	---	---	---	---	---
520	19+78.09 GR	62.3' LT	---	---	---	---	---
521	20+24.14 GR	59.5' LT	129+34.27 RS	178.3' LT	152380.05	450011.56	47.5'
522	21+01.34 GR	77' LT	129+51.51 RS	101' LT	152348.80	450084.29	60'
523	---	---	---	---	152183.65	450267.38	200'
524	---	---	---	---	152485.69	449989.47	200'

* MODIFIED TO BE 10' WIDE DETECTABLE WARNING FIELD & CONCRETE SIDEWALK 5-INCH

SEE "PAVING DETAILS - ROSE STREET" FOR ADDITIONAL LAYOUT POINTS BEYOND SHEET LIMITS.

DATA TABLE

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
525	---	---	---	---	152393.76	450428.79	200'
526	132+03.27 RS	41' LT	---	---	---	---	---
525	---	---	---	---	152737.71	450188.68	200'
528	133+14.63 RS	24' LT	---	---	---	---	---
529	21+63.00 GR	34.4' RT	128+39.95 RS	39.7' LT	---	---	---
530	21+66.71 GR	32' RT	128+42.30 RS	36' LT	---	---	---
531	21+66.60 GR	0	---	---	---	---	---

PROJECT NO: 1071-06-83/7190-03-72 | HWY: USH 53/STH 35 | COUNTY: LA CROSSE | INTERSECTION DETAIL | SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_021105_id.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

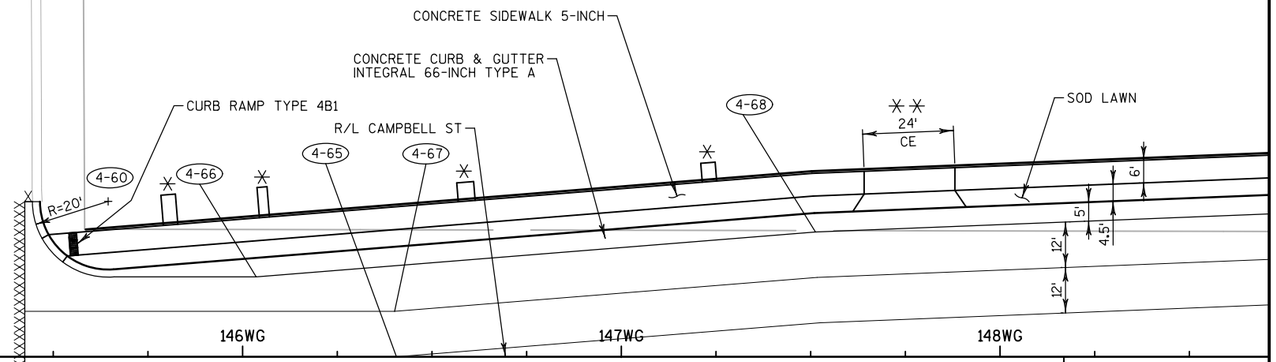
2

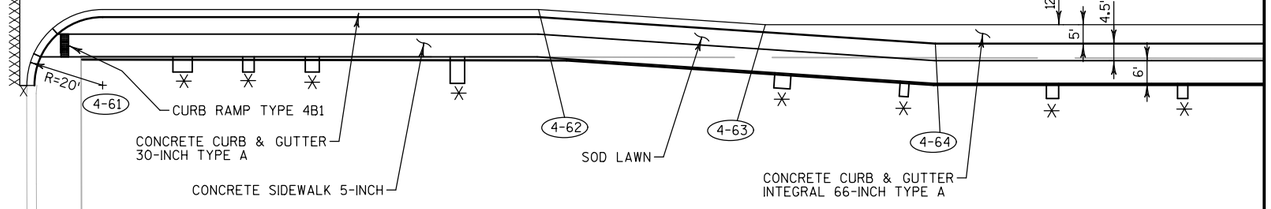
N

143WG 144WG 145WG 146WG 147WG 148WG

CUNNINGHAM ST

GEORGE ST (STH 35)





ROSE STREET/W. GEORGE STREET INTERSECTION

POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
4-60	145+65 WG	41 'LT	147857.04	448223.78	20'
4-61	145+64 WG	40 'RT	147857.50	448304.81	20'
4-62	146+80 WG	20 'RT	147972.47	448283.97	--
4-63	147+39 WG	24 'RT	148032.36	448287.53	--
4-64	147+84 WG	29 'RT	148077.30	448292.21	--
4-65	146+40 WG	0' RT	147933.47	448264.25	--
4-66	146+03 WG	21 'LT	147896.29	448243.43	--
4-67	146+40 WG	12 'LT	147932.90	448252.26	--
4-68	147+51 WG	33 'LT	148043.87	448230.50	--

✳ REMOVE EXISTING PRIVATE CONCRETE SIDEWALK OR PRIVATE SIDEWALK AND CONCRETE STEPS REPLACE TO MATCH CONDITIONS AS DETERMINED BY THE ENGINEER.

✳✳ 6'CONCRETE CURB & GUTTER 18-INCH TYPE D SAWCUT AND MATCH EXISTING SEE CONSTRUCTION DETAIL DETAIL OF CURB & GUTTER TERMINI

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - W. GEORGE STREET (STH 35)	SHEET 85	E

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
5-1	149+58 WG	24' RT	--	--	148251.26	448285.94	--
5-2	148+48 WG	52' RT	10+52 CS	41' RT	148241.66	448314.01	25'
5-3	10+52 CS	16' RT	--	--	148266.66	448313.79	--
5-4	10+65 CS	16' RT	--	--	148266.77	448326.45	--
5-5	10+65 CS	16' LT	--	--	148298.08	448326.18	--
5-6	10+48 CS	16' LT	--	--	148297.95	448309.51	--
5-7	150+23 WG	52' RT	10+48 CS	41' LT	148322.94	448309.31	25'
5-8	150+14 WG	24' RT	--	--	148309.45	448282.91	--
5-9	150+38 WG	24' RT	--	--	148335.19	448278.76	--
5-10	150+38 WG	204' RT	11+31 GS	192' RT	148370.06	448455.35	180'
5-11	11+31 GS	12' RT	--	--	148501.32	448332.18	--
5-12	10+73 GS	24' LT	--	--	148497.32	448265.51	--
5-13	10+73 GS	64' LT	--	--	148532.54	448246.55	40'
5-14	151+98 WG	42' RT	10+35 GS	44' LT	148499.97	448223.32	--
5-15	154+42 WG	44' LT	--	--	148592.45	447976.51	--
5-16	153+66 WG	56' LT	--	--	148538.64	448031.30	--
5-17	153+04 WG	56' LT	--	--	148502.83	448081.52	--
5-18	153+20 WG	126' LT	8+38 GS	85' LT	148454.94	448028.11	67'
5-19	8+46 GS	19' LT	--	--	148397.87	448063.20	--
5-22	9+13 GS	24' RT	--	--	148386.90	448141.37	--
5-23	150+90 WG	89' LT	9+13 GS	64' RT	148350.56	448158.10	40'

POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
5-24	151+05 WG	46' LT	--	--	148377.38	448193.78	--
5-25	150+25 WG	45' LT	--	--	148310.53	448212.88	--
5-26	149+75 WG	42' LT	--	--	148267.61	448219.96	--
5-28	148+98 WG	15' LT	--	--	148190.74	448247.61	--
5-31	148+98 WG	2' LT	--	--	148190.83	448260.44	--
5-32	149+07 WG	2' LT	--	--	148199.61	448260.31	--
5-33	149+56 WG	11' LT	--	--	148248.66	448250.95	--
5-34	150+97 WG	11' LT	--	--	148382.97	448288.80	--
5-35	151+16 WG	13' LT	--	--	148398.86	448219.81	--
5-37	151+17 WG	19' LT	--	--	148397.92	448214.29	--
5-39	152+13 WG	7' LT	--	--	148481.89	448175.23	--
5-40	152+13 WG	2' LT	--	--	148485.32	448179.18	--
5-41	152+29 WG	0' LT	--	--	148498.46	448170.56	--
5-42	153+95 WG	0' LT	--	--	148601.19	448040.03	--
5-43	153+95 WG	8' LT	--	--	148594.75	448035.29	--
5-44	154+95 WG	12' LT	--	--	148649.48	447951.64	--
5-45	154+95 WG	20' LT	--	--	148643.04	447946.90	--

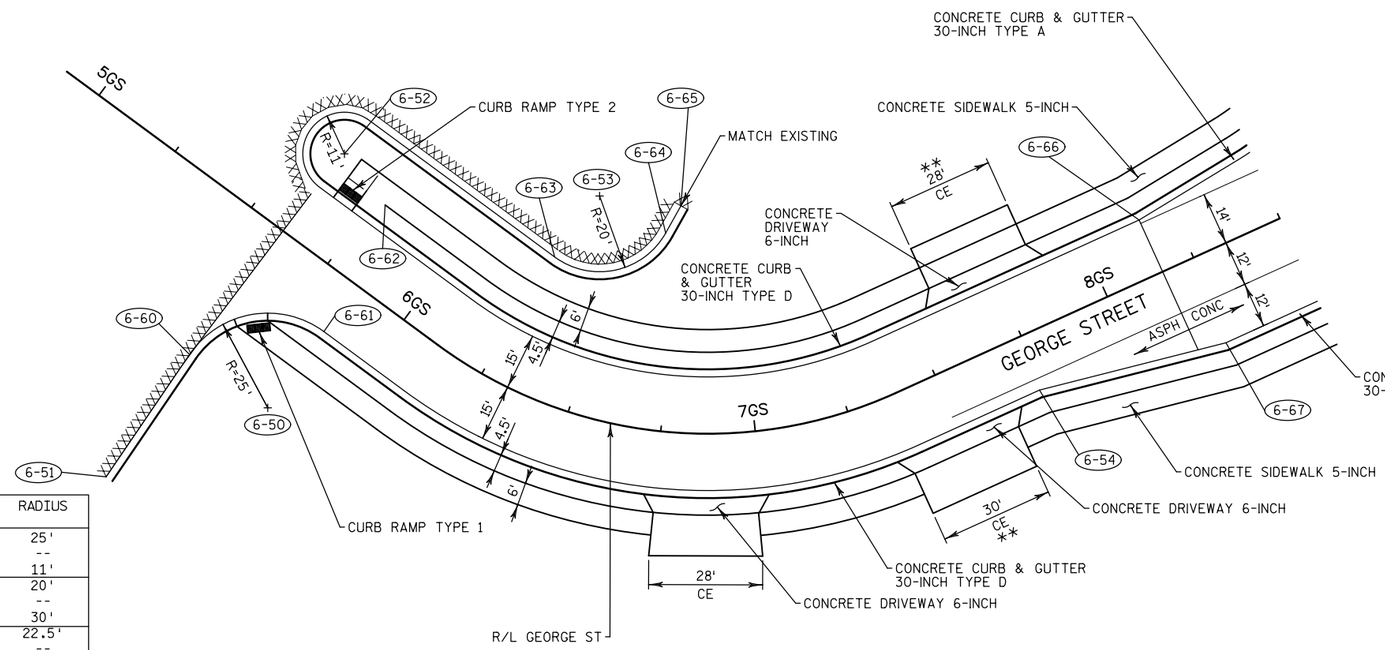
POINT NO.	STATION	OFFSET	STATION	OFFSET	NORTHING	EASTING	RADIUS
5-76	151+31 WG	64' LT	9+37 GS	32' RT	148389.52	448167.16	--
5-77	151+13 WG	53' LT	9+49 GS	48' RT	148380.47	448184.66	--
5-78	151+11 WG	53' RT	10+58 GS	53' RT	148420.43	448282.54	--
5-79	151+77 WG	65' RT	10+62 GS	25' LT	148493.72	448256.19	--
5-80	10+76 GS	33' LT	--	--	148505.83	448263.35	--
5-81	152+13 WG	37' RT	10+25 GS	60' LT	148510.10	448209.13	--
5-82	152+54 WG	84' LT	8+99 GS	58' LT	148455.34	448095.11	--

CONCRETE SIDEWALK 5-INCH (TYP)
CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER INTEGRAL 18-INCH
CONCRETE SIDEWALK 4-INCH
CURB RAMP TYPE 1
CURB RAMP TYPE 6
CONCRETE CURB & GUTTER 30-INCH TYPE A
CURB RAMP TYPE 1
SEE CONSTRUCTION DETAILS - CURB RAMP DETAILS FOR ADDITIONAL ISLAND INFORMATION
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
CONCRETE CURB & GUTTER 30-INCH TYPE A
CURB RAMP TYPE 1
CONCRETE CURB & GUTTER 30-INCH TYPE A
SEE TRANSITION DETIAL (TYP)
CURB RAMP TYPE 1
CONCRETE CURB & GUTTER 30-INCH TYPE A
END CONSTRUCTION
STA 10+65.00 CS
MATCH EXISTING
R/L CAMPBELL ST
CONCRETE CURB & GUTTER 30-INCH TYPE A
CURB RAMP TYPE 1
CURB RAMP TYPE 6
CURB RAMP TYPE 1
SEE CONSTRUCTION DETAILS - CURB RAMPS FOR ADDITIONAL ISLAND INFORMATION
CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER 30-INCH TYPE A
CURB RAMP TYPE 1
SEE CONSTRUCTION DETAILS - CURB RAMP DETAILS FOR ADDITIONAL ISLAND INFORMATION
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
3" ASPHALTIC SURFACE SAWCUT AND MATCH EXISTING (TYP)
CURB RAMP TYPE 2
CURB RAMP TYPE 6
CONCRETE CURB (SIGN REMAINS)
R/L GEORGE ST
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
CONCRETE DRIVEWAY 6-INCH
CONCRETE CURB & GUTTER INTEGRAL 66-INCH TYPE A
R/L W GEORGE ST
CONCRETE SIDEWALK 4-INCH (TYP)
CONCRETE DRIVEWAY 6-INCH
REMOVE EXISTING PRIVATE CONCRETE SIDEWALK OR PRIVATE SIDEWALK AND CONCRETE STEPS REPLACE TO MATCH CONDITIONS AS DETERMINED BY THE ENGINEER.
GEORGE ST (STH 35)
W GEORGE ST (STH 35)
CAMPBELL STREET
GEORGE ST
50' TAPER
75' TAPER
100' TAPER
100' TAPER
149WG
150WG
151WG
152WG
153WG
154WG
155WG
9GS
10GS
11GS
R=40'
R=60'
R=180'
R=25'
R=67'
R=50'

LEGEND

(A) COLORING CONRETE RED
(B) CONCRETE MEDIAN SLOPED NOSE TYPE 1
(C) CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXX SAWCUT AND MATCH EXISTING

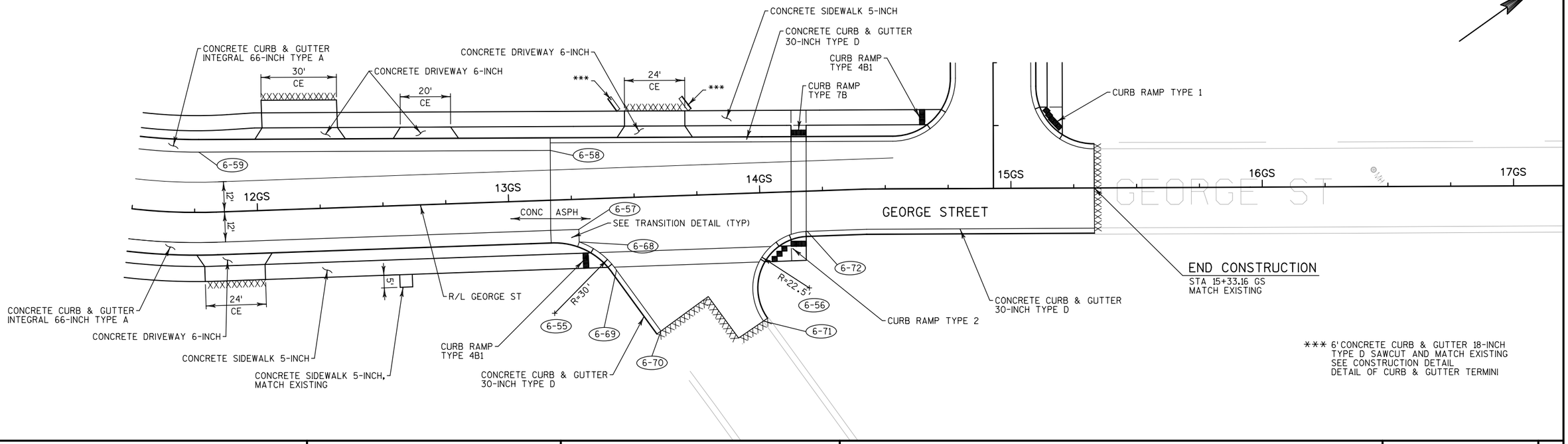
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - W GEORGE STREET / GEORGE STREET	SHEET 86	E



** 6'CONCRETE CURB & GUTTER 18-INCH TYPE D SAWCUT AND MATCH EXISTING SEE CONSTRUCTION DETAIL DETAIL OF CURB & GUTTER TERMINI

POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
6-50	5+85 GS	40' RT	148331.13	447807.30	25'
6-51	5+60 GS	80' RT	148312.70	447764.70	--
6-52	5+61 GS	26' LT	148398.28	447827.22	11'
6-53	6+32 GS	56' LT	148387.49	447894.65	20'
6-54	7+73 GS	15' RT	148336.81	448011.05	--
6-55	13+17 GS	45' RT	148636.10	448468.52	30'
6-56	14+18 GS	38.5' RT	148724.46	448519.16	22.5'
6-57	13+28 GS	12' RT	148663.29	448446.94	--
6-58	13+17 GS	32' LT	148762.31	448414.75	--
6-59	11+77 GS	24' LT	148558.06	448334.07	--

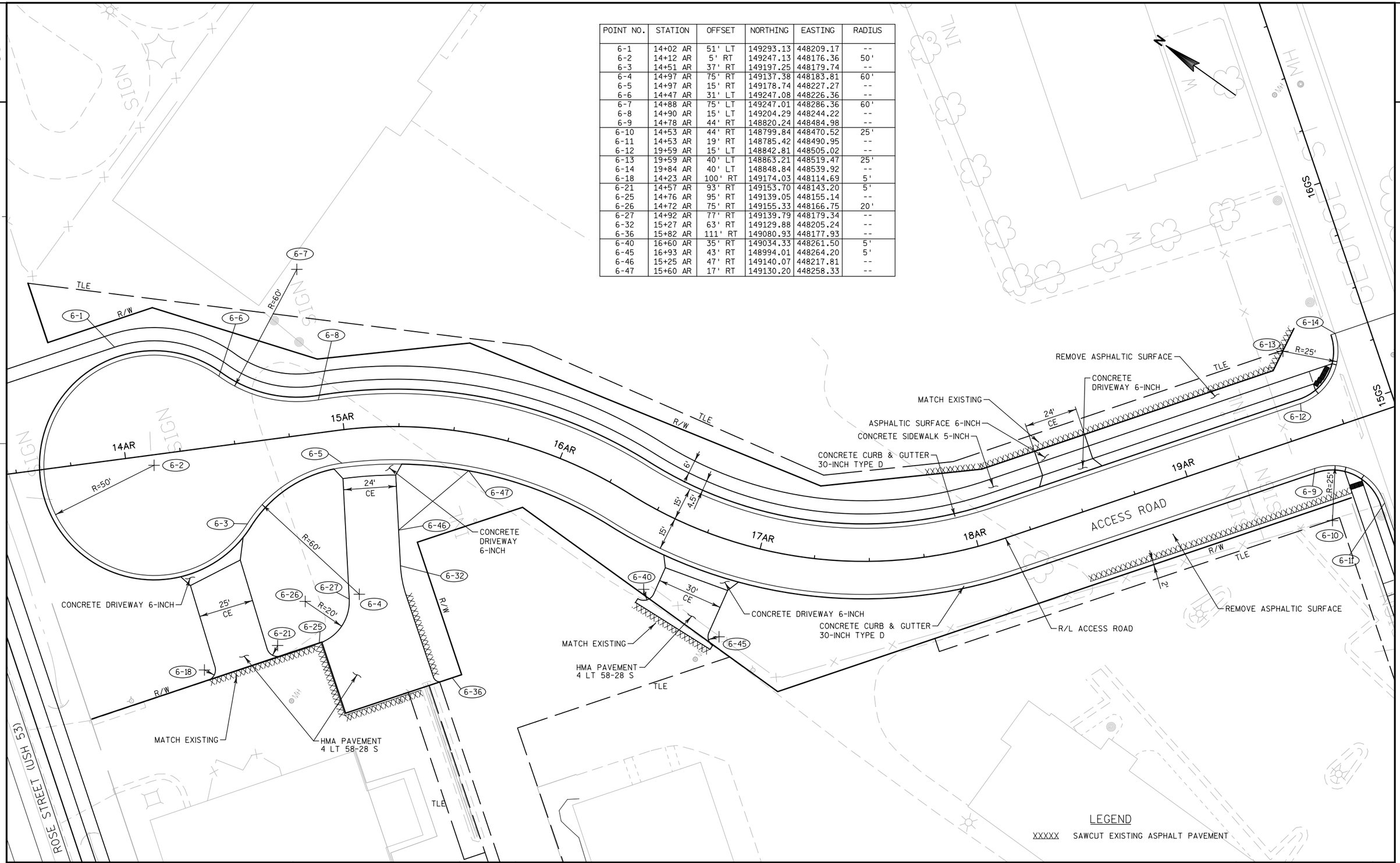
POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
6-60	5+59 GS	41' RT	148345.12	447786.58	--
6-61	5+85 GS	15' RT	148351.33	447822.03	--
6-62	5+78 GS	22' LT	148384.84	447838.03	--
6-63	6+27 GS	36' LT	148371.32	447882.87	--
6-64	6+68 GS	52' LT	148377.80	447912.15	--
6-65	6+73 GS	60' LT	148385.00	447916.14	--
6-66	8+16 GS	15' LT	148381.85	448037.14	--
6-67	8+23 GS	24' RT	148349.55	448060.24	--
6-68	13+28 GS	17' RT	148660.54	448451.11	--
6-69	13+42 GS	29' RT	148666.09	448469.33	--
6-70	13+59 GS	54' RT	148666.43	448498.84	--
6-71	14+00 GS	51' RT	148701.96	448519.28	--
6-72	14+18 GS	16' RT	148736.87	448500.39	--



*** 6'CONCRETE CURB & GUTTER 18-INCH TYPE D SAWCUT AND MATCH EXISTING SEE CONSTRUCTION DETAIL DETAIL OF CURB & GUTTER TERMINI

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - GEORGE STREET	SHEET 87	E

POINT NO.	STATION	OFFSET	NORTHING	EASTING	RADIUS
6-1	14+02 AR	51' LT	149293.13	448209.17	--
6-2	14+12 AR	5' RT	149247.13	448176.36	50'
6-3	14+51 AR	37' RT	149197.25	448179.74	--
6-4	14+97 AR	75' RT	149137.38	448183.81	60'
6-5	14+97 AR	15' RT	149178.74	448227.27	--
6-6	14+47 AR	31' LT	149247.08	448226.36	--
6-7	14+88 AR	75' LT	149247.01	448286.36	60'
6-8	14+90 AR	15' LT	149204.29	448244.22	--
6-9	14+78 AR	44' RT	148820.24	448484.98	--
6-10	14+53 AR	44' RT	148799.84	448470.52	25'
6-11	14+53 AR	19' RT	148785.42	448490.95	--
6-12	19+59 AR	15' LT	148842.81	448505.02	--
6-13	19+59 AR	40' LT	148863.21	448519.47	25'
6-14	19+84 AR	40' LT	148848.84	448539.92	--
6-18	14+23 AR	100' RT	149174.03	448114.69	5'
6-21	14+57 AR	93' RT	149153.70	448143.20	5'
6-25	14+76 AR	95' RT	149139.05	448155.14	--
6-26	14+72 AR	75' RT	149155.33	448166.75	20'
6-27	14+92 AR	77' RT	149139.79	448179.34	--
6-32	15+27 AR	63' RT	149129.88	448205.24	--
6-36	15+82 AR	111' RT	149080.93	448177.93	--
6-40	16+60 AR	35' RT	149034.33	448261.50	5'
6-45	16+93 AR	43' RT	148994.01	448264.20	5'
6-46	15+25 AR	47' RT	149140.07	448217.81	--
6-47	15+60 AR	17' RT	149130.20	448258.33	--



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - ACCESS ROAD	SHEET 88	E

FILE NAME : ch_0682_021110_id.dgn PLOT DATE : 22-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2



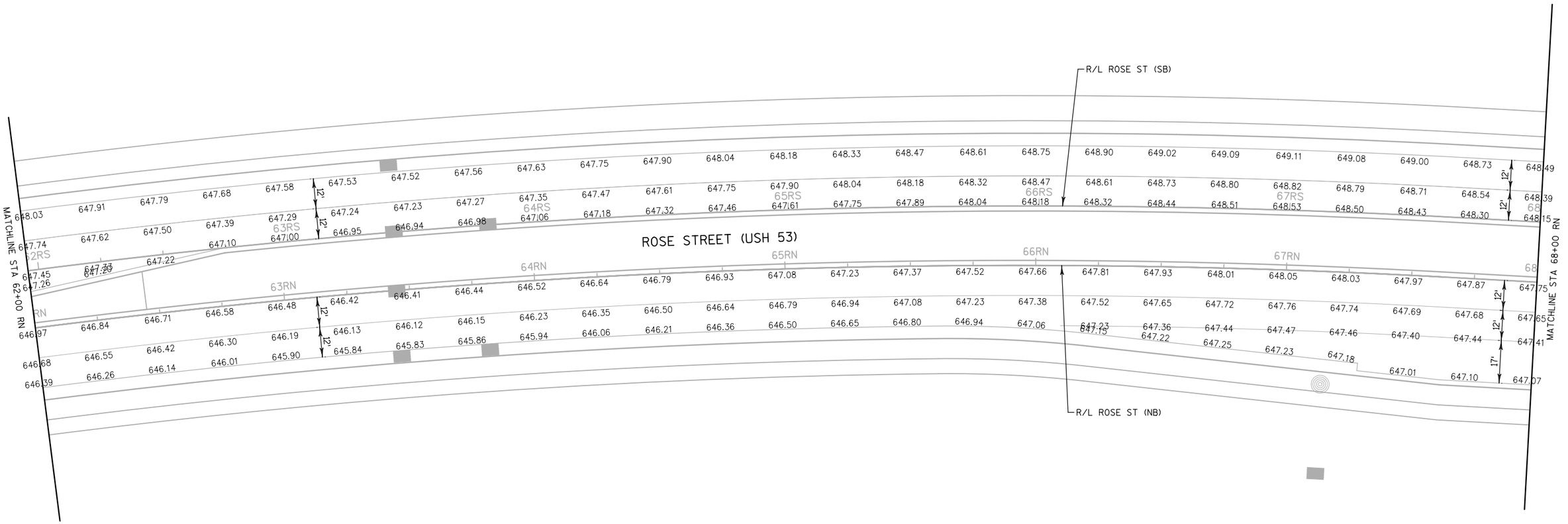
PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 89	E

FILE NAME : ch_0682_021201_pd.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jjurss PLOT NAME : PLOT SCALE : 40:1



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 90	E

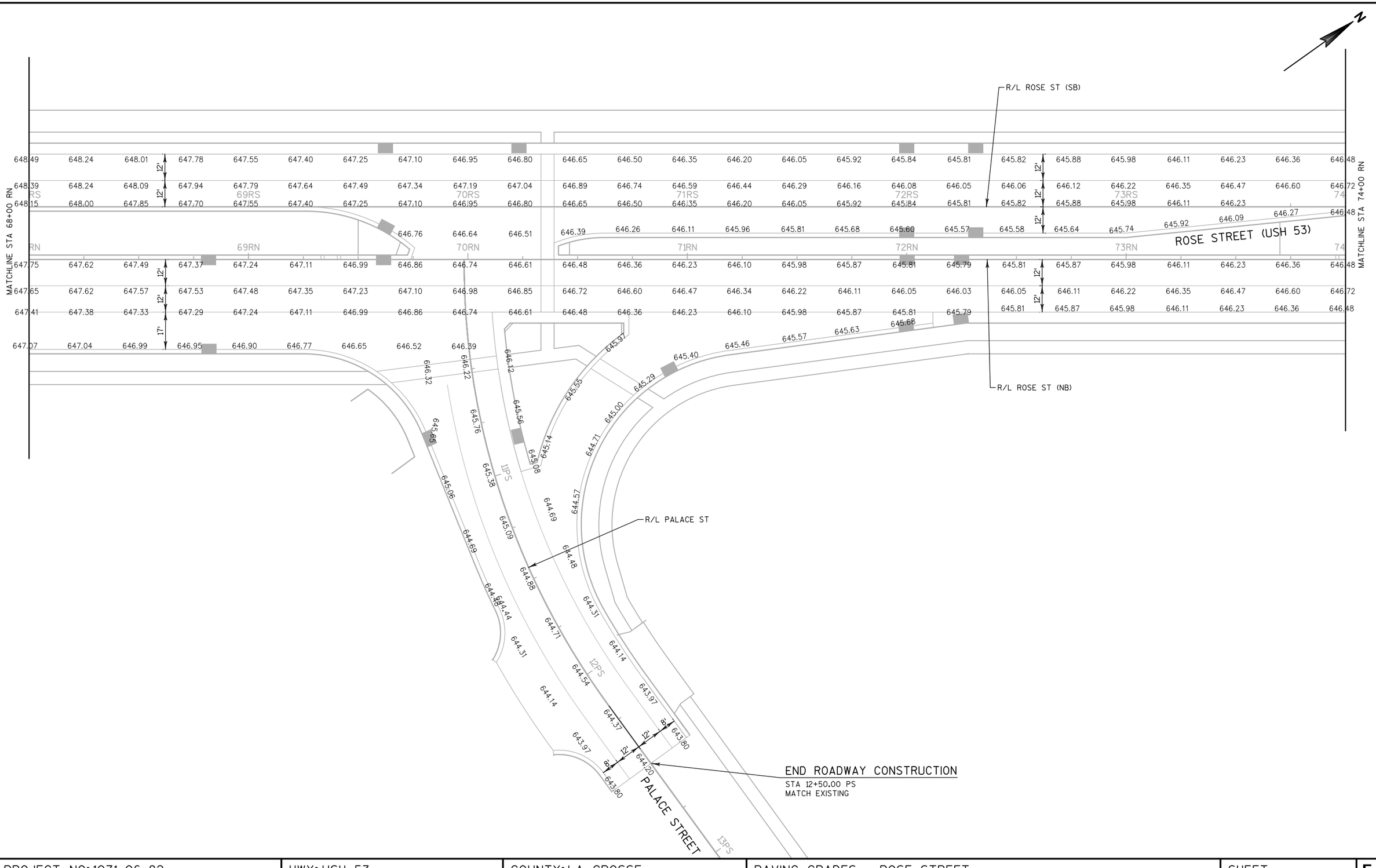
2



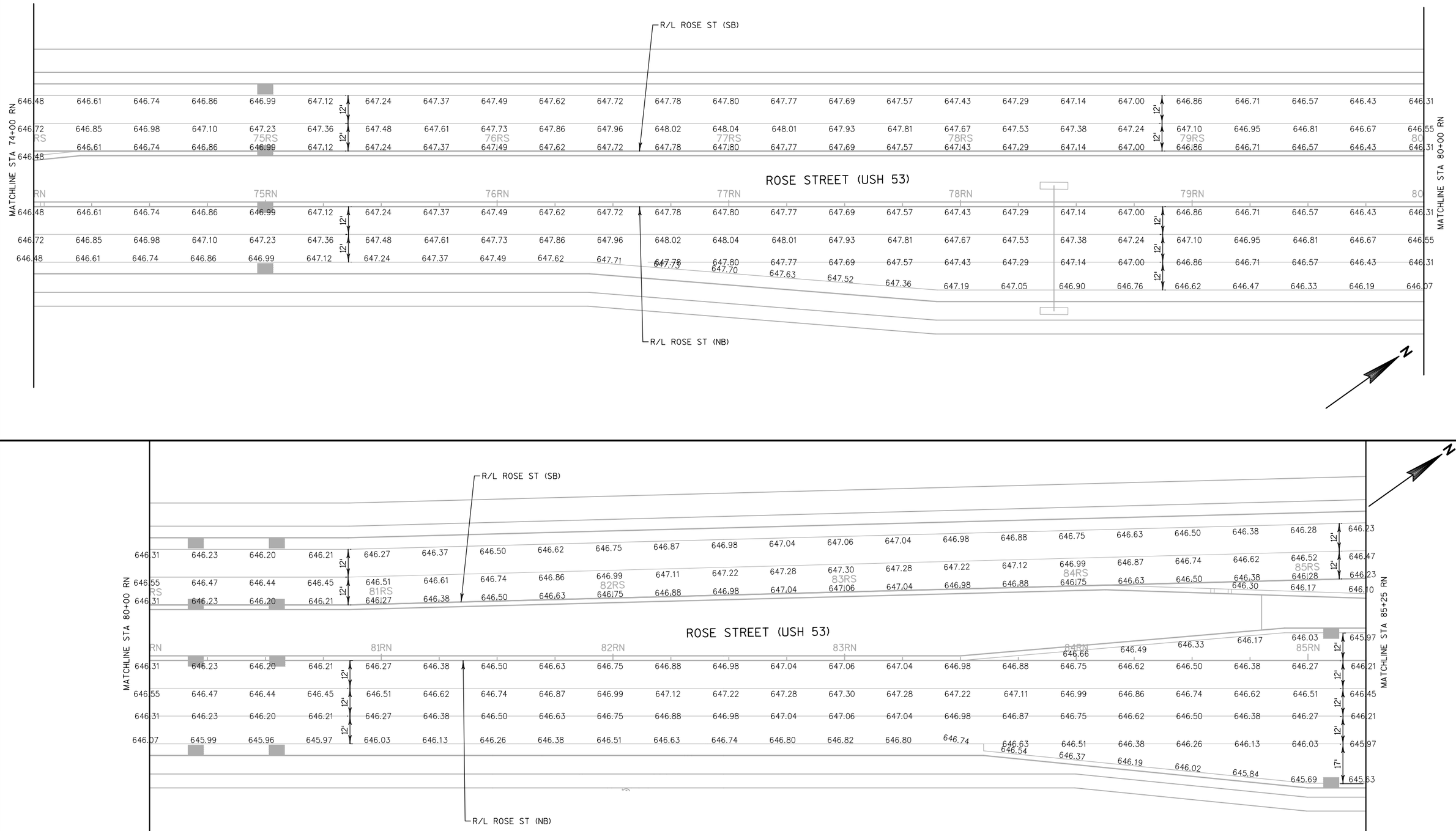
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 91	E

FILE NAME : ch_0682_021203_pd.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

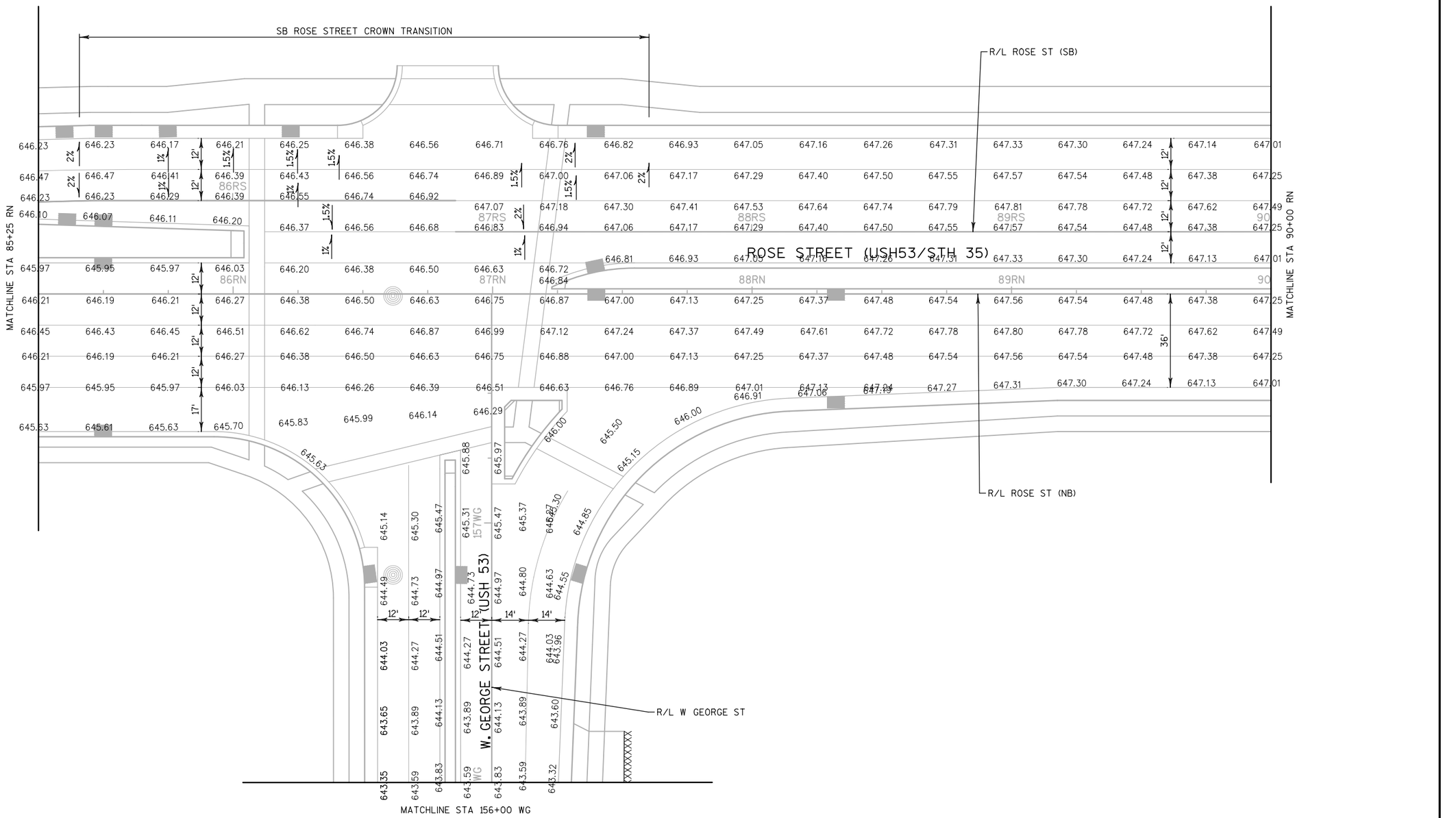
2



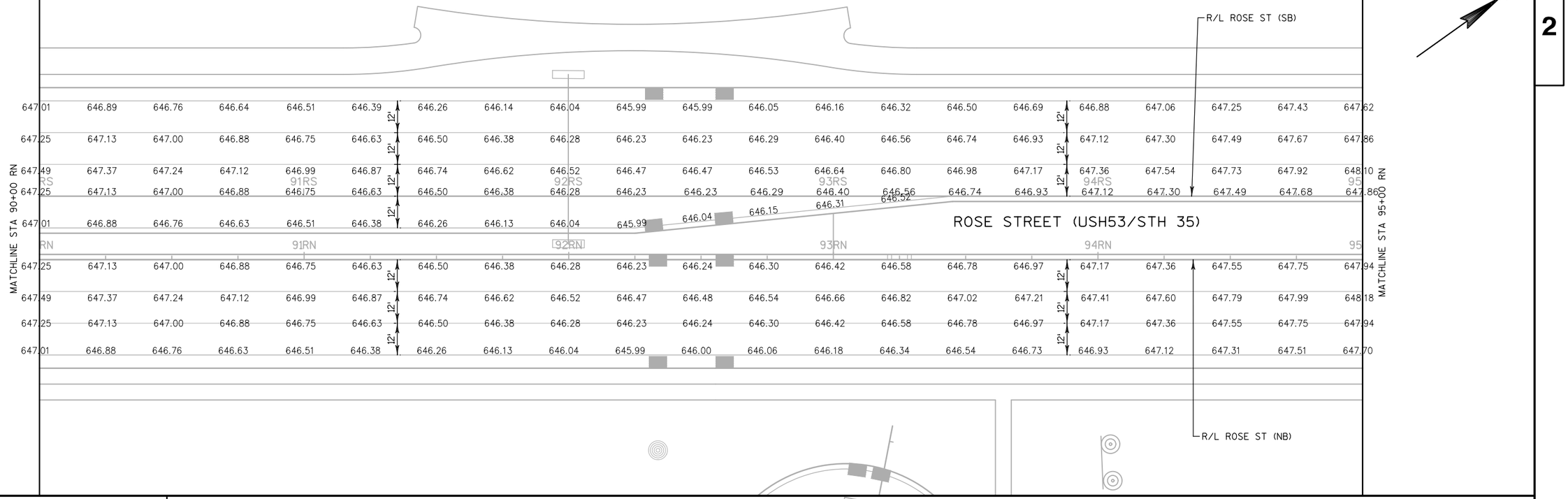
PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 92	E

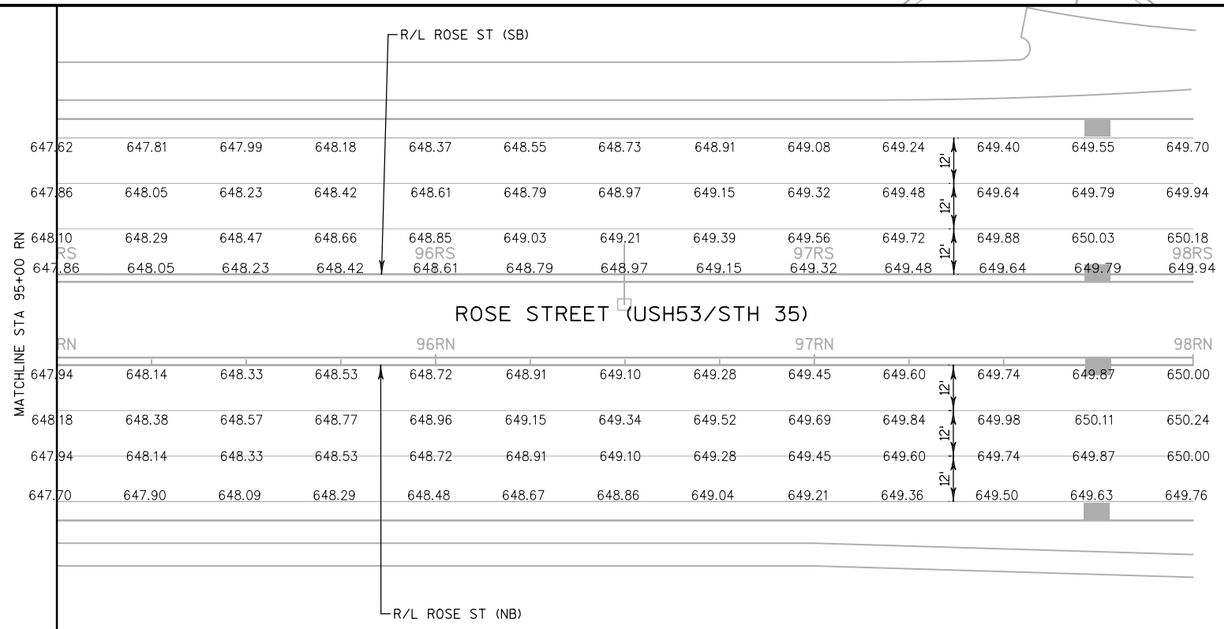


PROJECT NO:1071-06-82	HWY: USH 53	COUNTY:LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 93 E



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 94	E





PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - ROSE STREET	SHEET 95	E

2

2

N

ROSE ST SB

99+00RS 100+00RS 101+00RS 102+00RS 103+00RS 104+00RS

99+00RN 100+00RN 101+00RN 102+00RN 103+00RN 104+00RN

12' 12' 12'

F RAMP

15'

E RAMP

IH 90 EB

IH 90 WB

N

ROSE ST SB

105+00RS 106+00RS 107+00RS 108+00RS 109+00RS 110+00RS

105+00RN 106+00RN 107+00RN 108+00RN 109+00RN

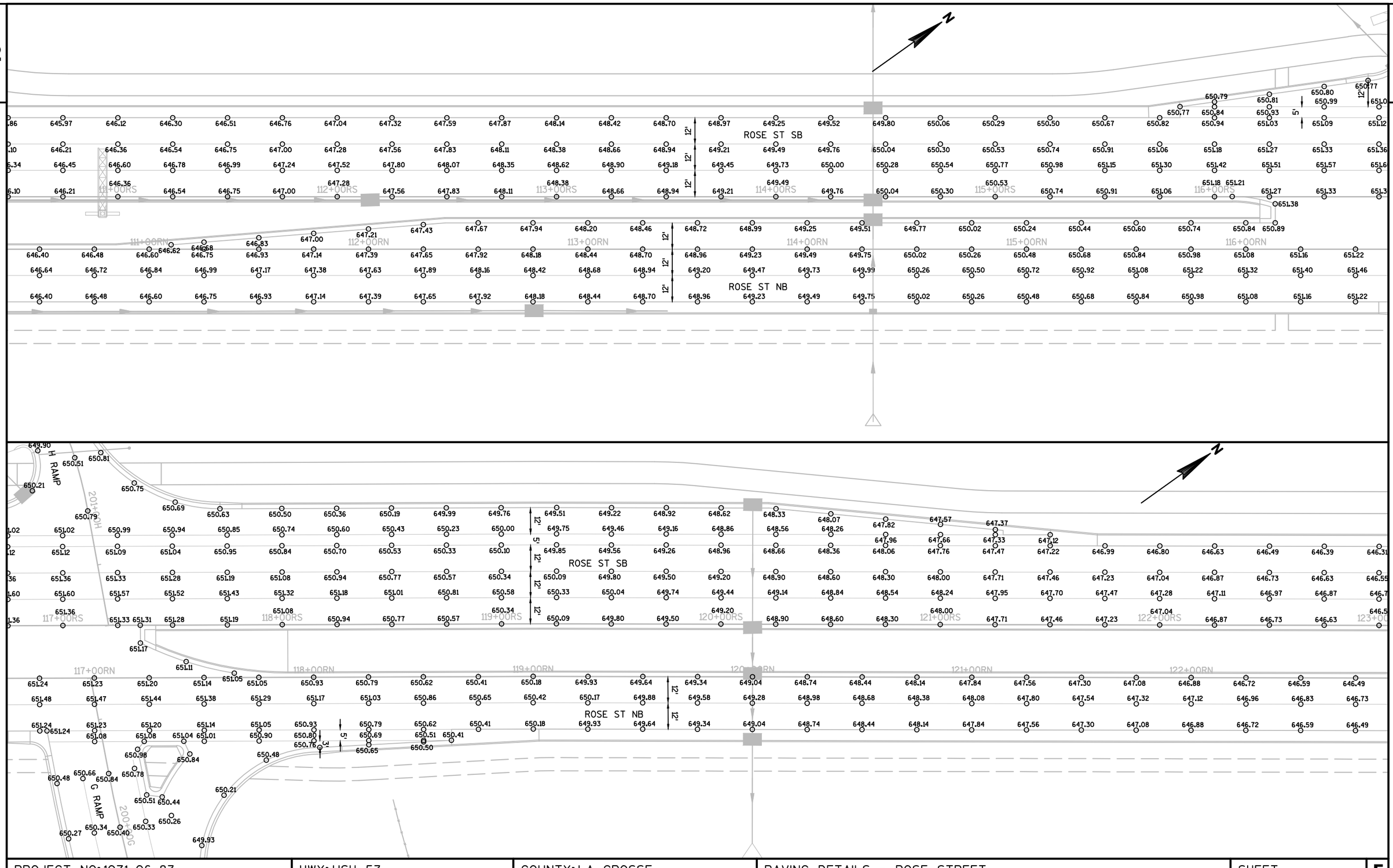
12' 12' 12' 12'

ROSE ST NB

12' 12'

FA LINE

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 96	E

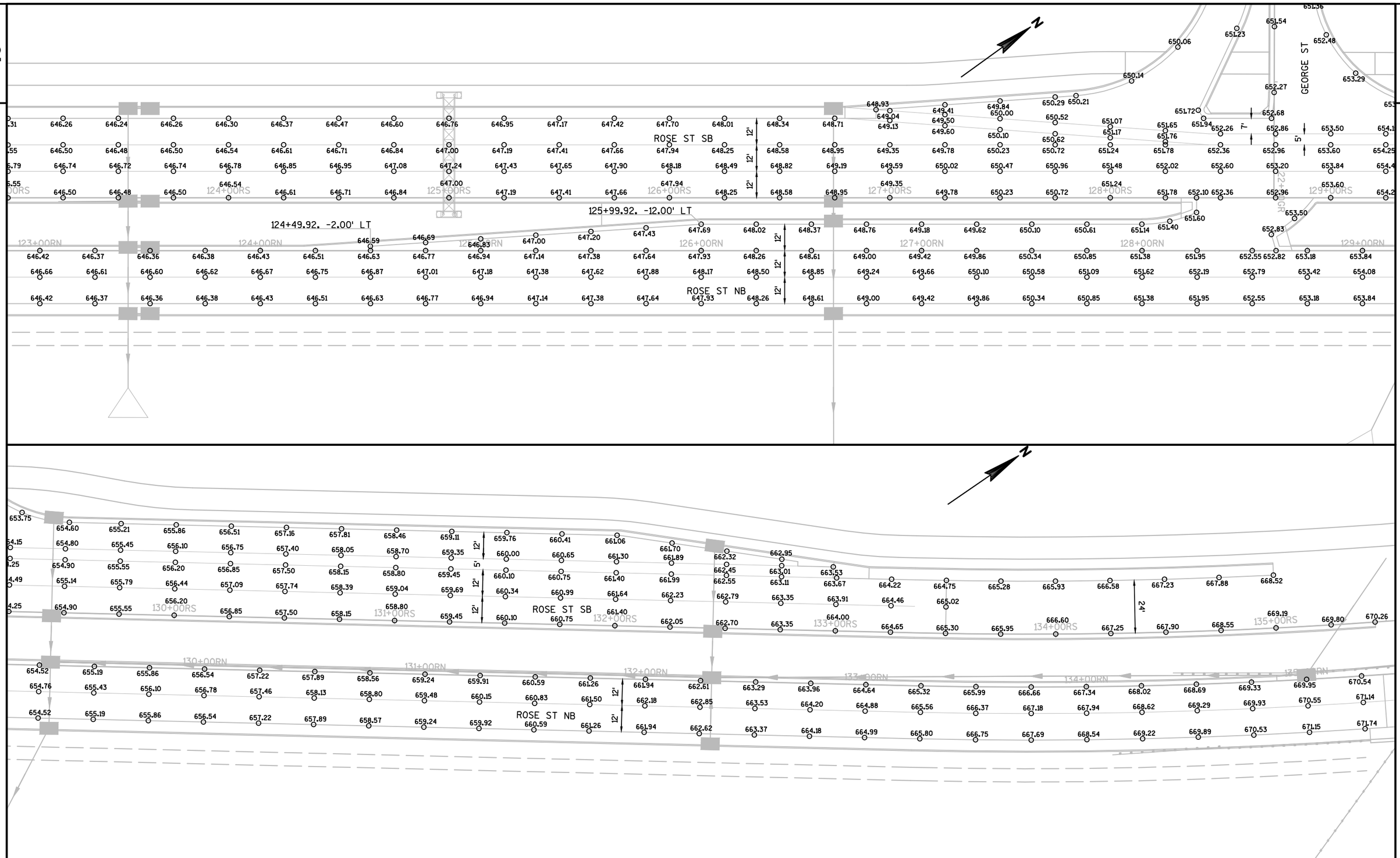


PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 97	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\0683_021201_PD.DWG
LAYOUT NAME - 02

PLOT DATE : 9/27/2016 10:58 AM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

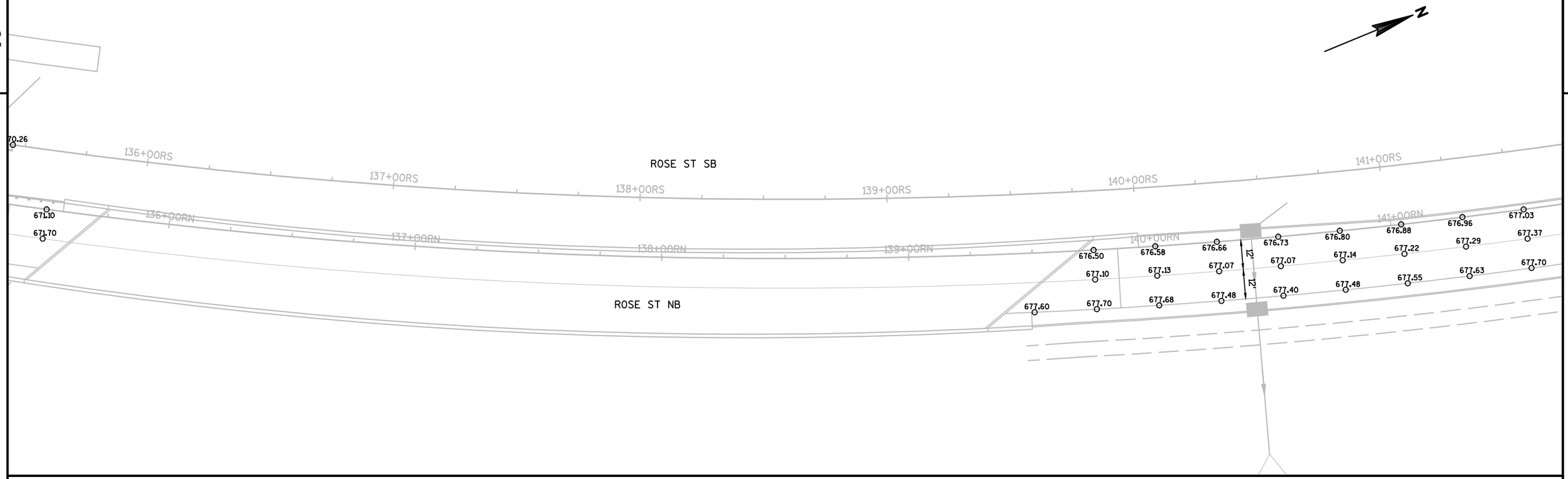


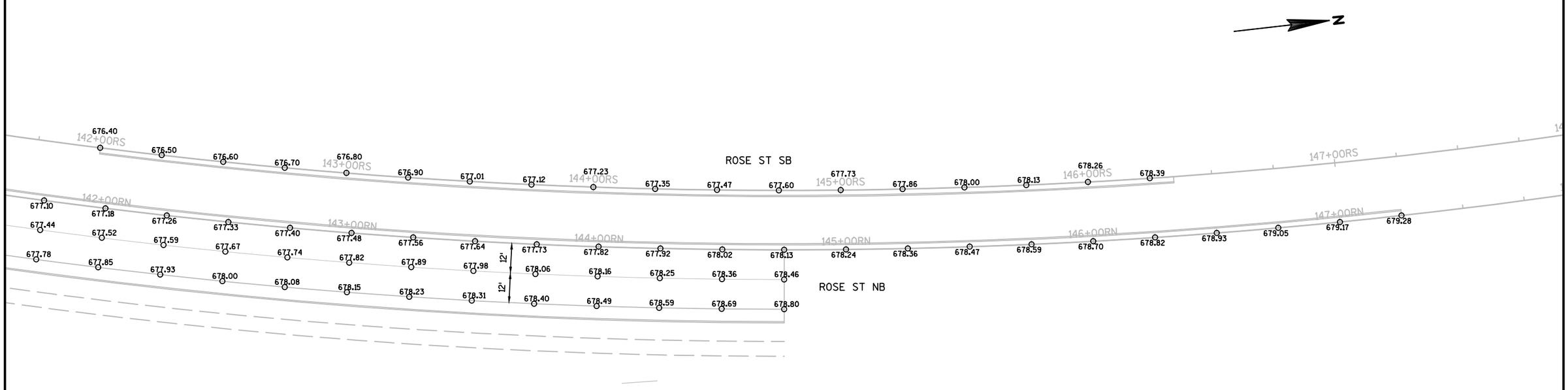
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 98	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\0683_021201_PD.DWG
LAYOUT NAME - 03

PLOT DATE : 9/27/2016 10:58 AM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



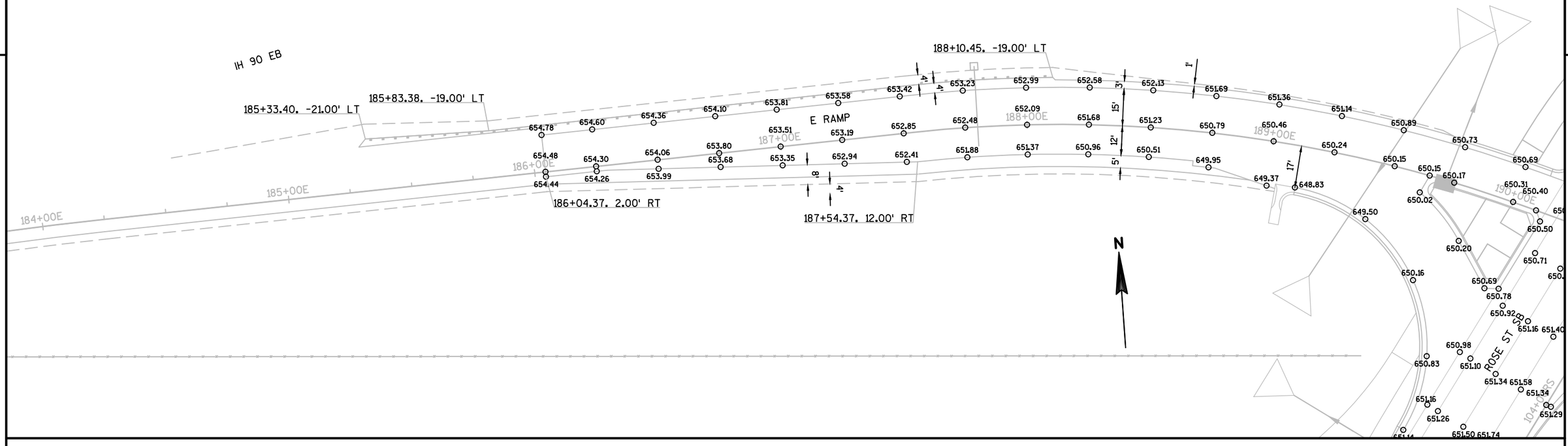


PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	PAVING DETAILS - ROSE STREET	SHEET 99	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\0683_021201_PD.DWG
LAYOUT NAME - 04

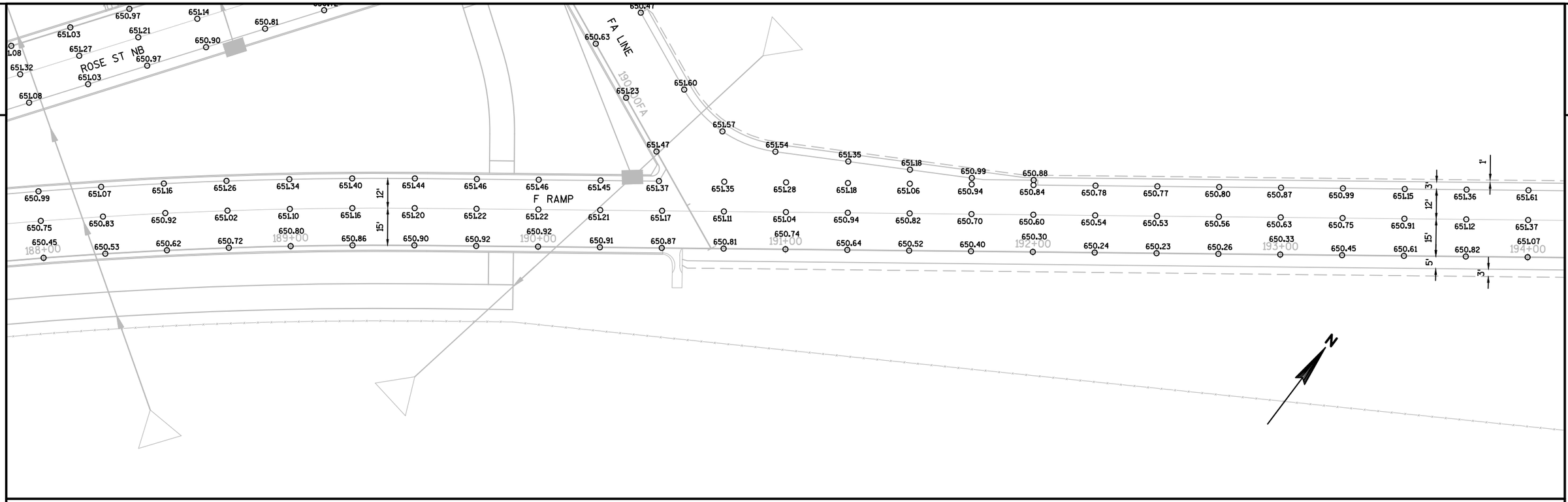
PLOT DATE : 9/27/2016 10:58 AM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

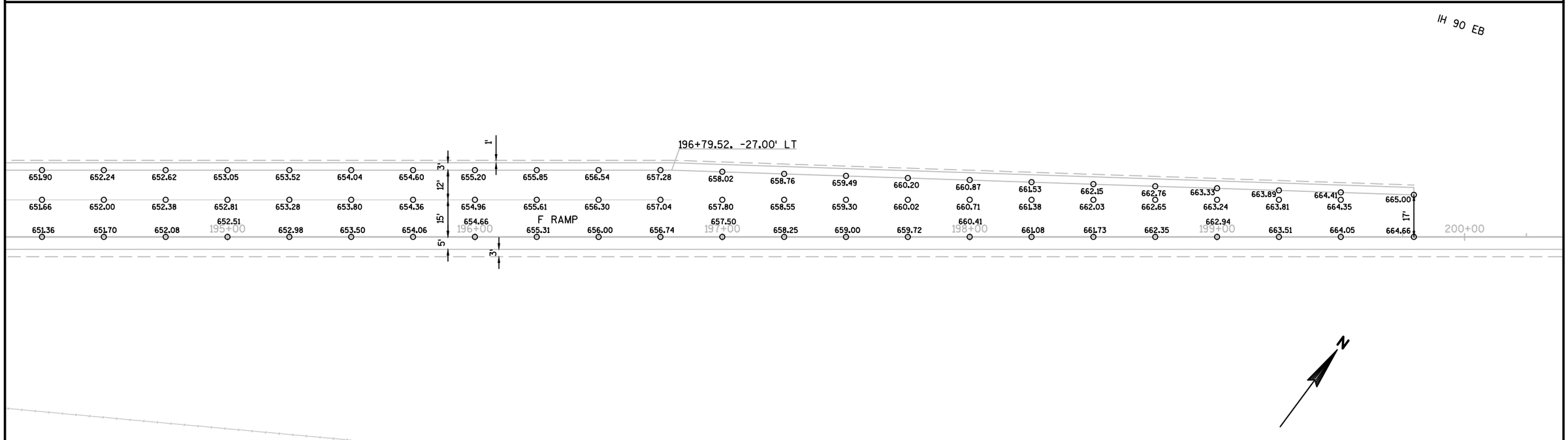
2



PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - E RAMP	SHEET 100	E

2



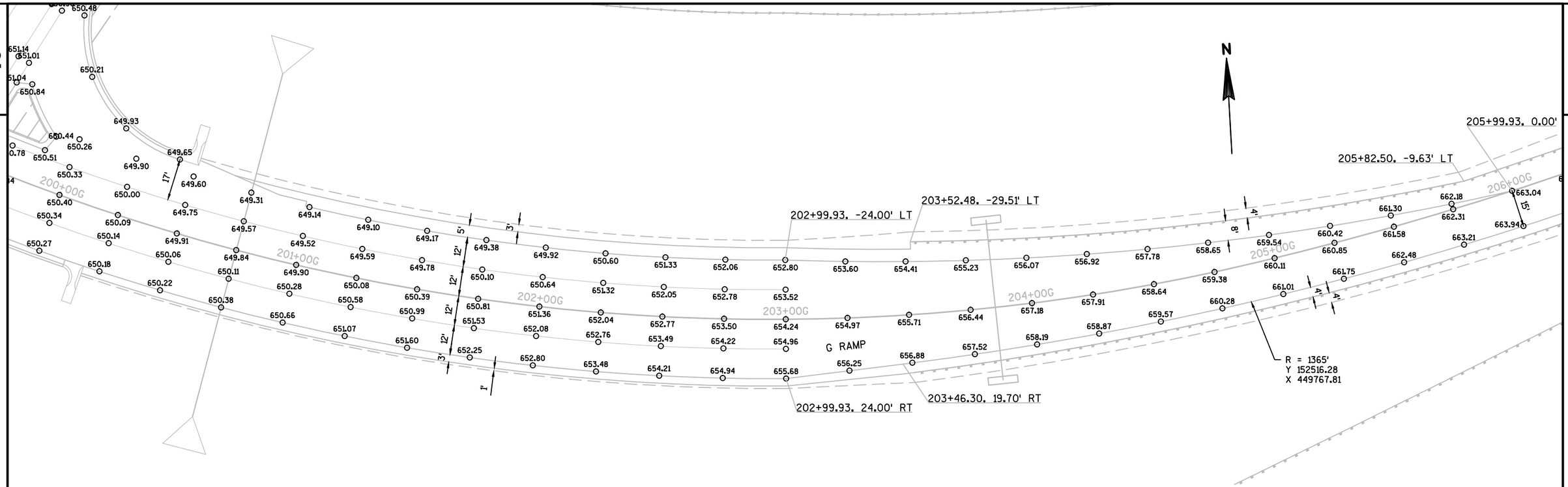


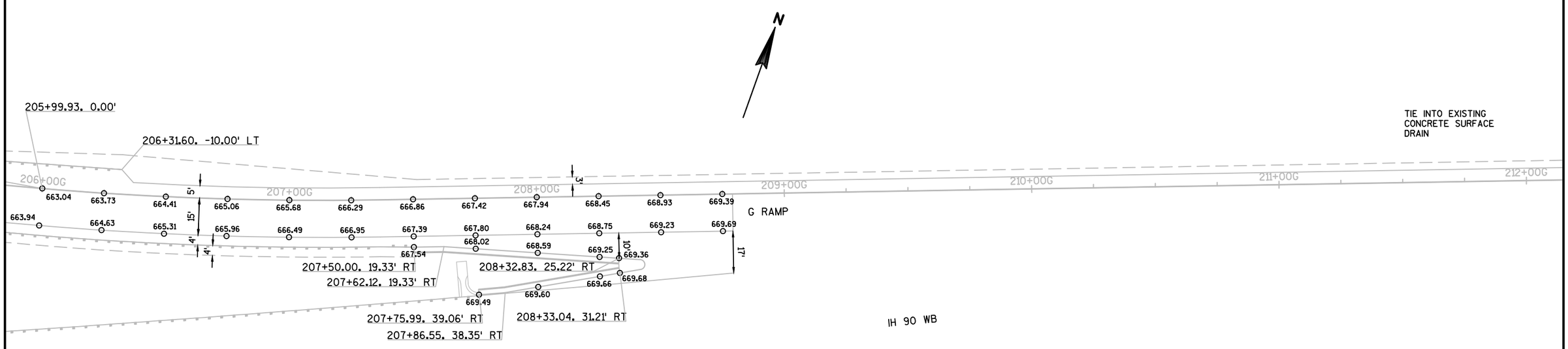
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PAVING DETAILS - F RAMP	SHEET 101	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\0683_021201_PD.DWG
LAYOUT NAME - 06

PLOT DATE : 9/27/2016 10:58 AM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

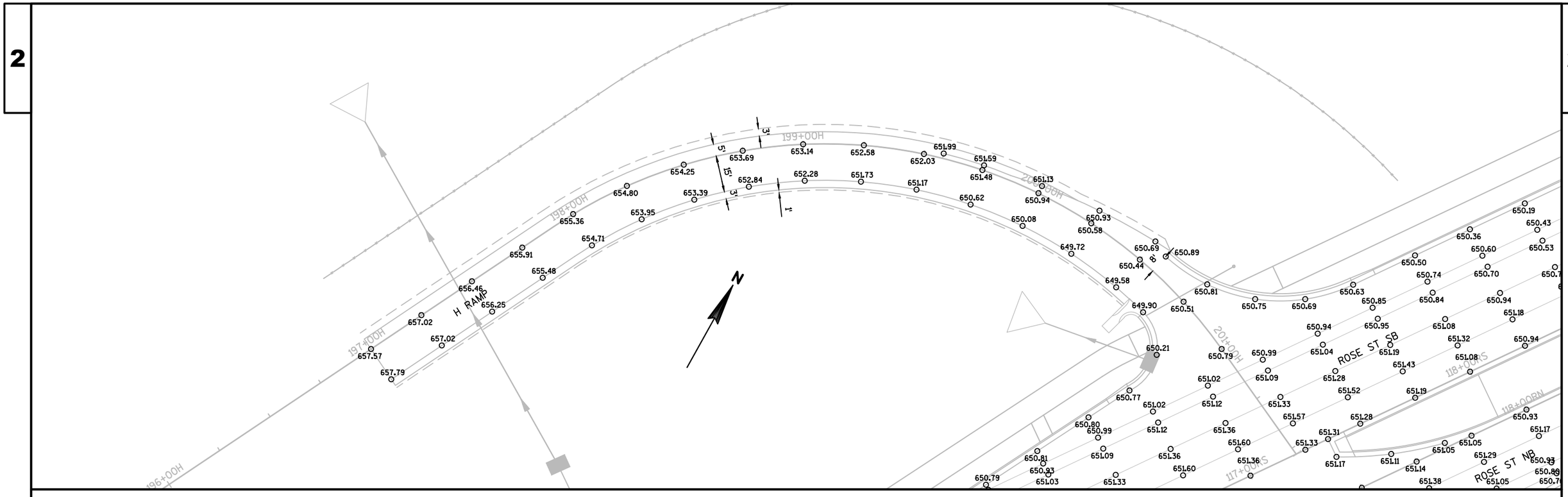
WISDOT/CADDS SHEET 44





PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	PAVING DETAILS - G RAMP	SHEET 102	E

2



PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PAVING DETAILS - H RAMP	SHEET 103	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\0683_021201_PD.DWG
LAYOUT NAME - 08

PLOT DATE : 9/27/2016 10:58 AM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

W. GEORGE STREET (STH 35)

145WG 146WG 147WG 148WG 149WG 150WG

642.11 642.19 642.28 642.32 642.34 642.32 642.26 642.17 642.07 641.98 641.89 641.81 641.72 641.64 641.55 641.81 641.80 641.84 641.88 641.96 642.06

642.29 642.38 642.46 642.54 642.58 642.56 642.51 642.41 642.31 642.22 642.13 642.05 641.96 641.88 641.79 642.05 642.04 642.08 642.16 642.26 642.36

642.75 642.65 642.55 642.46 642.37 642.29 642.20 642.12 642.03 642.29 642.28 642.32 642.40 642.50 642.60

642.53 642.62 642.70 642.78 642.84 642.86 642.84 642.79 642.72 642.66 642.59 642.53 642.46 642.40 642.33 642.29 642.28 642.32 642.40 642.50 642.60

642.18 642.32 642.46 642.54 642.60 642.62 642.60 642.55 642.48 642.42 642.35 642.29 642.22 642.16 642.09 642.05 642.04 642.08 642.16 642.26 642.36

641.94 642.12 642.30 642.38 642.44 642.46 642.41 642.33 642.24 642.18 642.11 642.05 641.98 641.92 641.85 641.81 641.80 641.84 641.92 642.02 642.11

641.72 641.80

641.93 642.25 641.94

MATCHLINE STA 150+50 WG

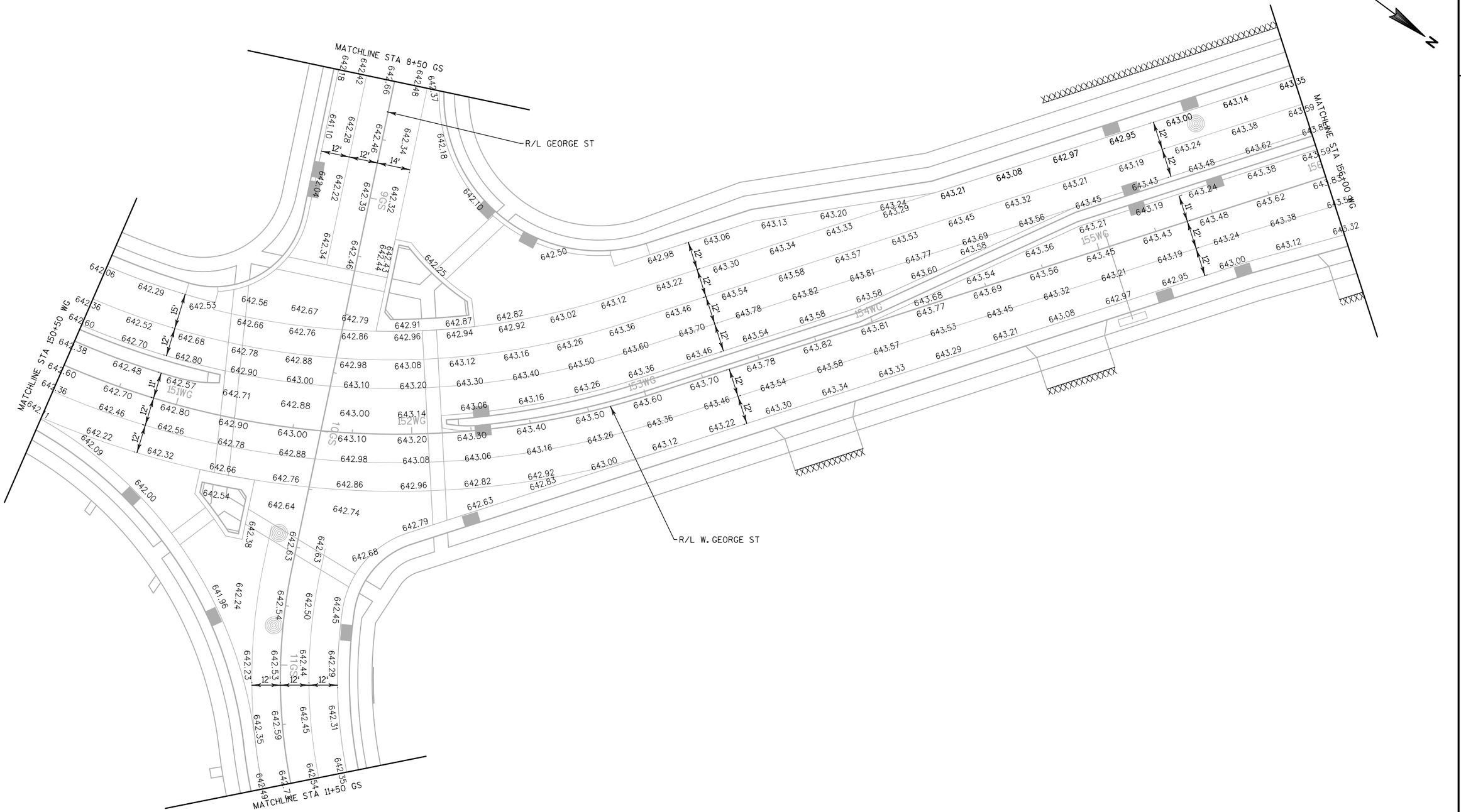
R/L W. GEORGE ST

R/L CAMPBELL ST

11CS

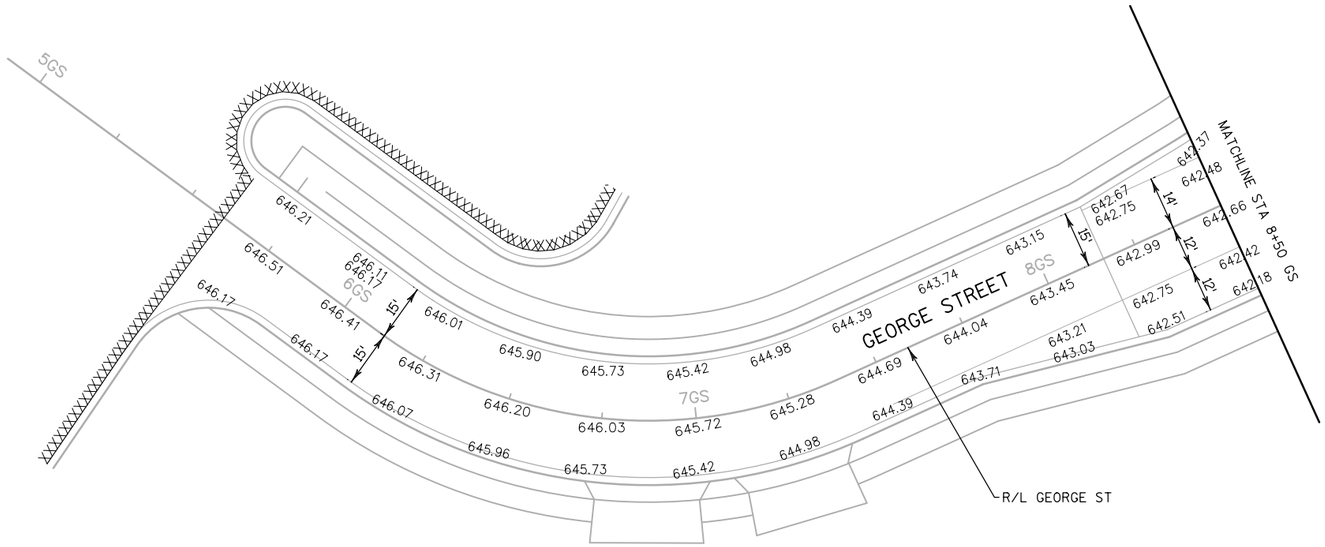
12CS

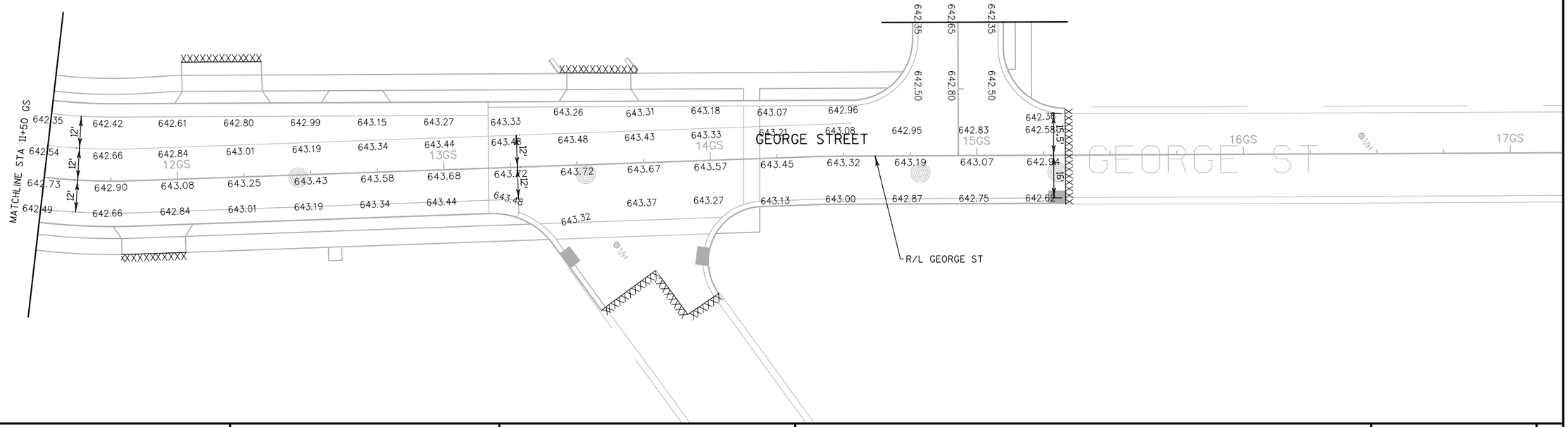
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - W. GEORGE STREET (STH 35)	SHEET 104 E



2

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVING GRADES - W. GEORGE STREET (STH 35)	SHEET 105	E





PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING GRADES - GEORGE STREET	SHEET 106	E

2

N

R/L ACCESS ROAD

MATCHLINE STA 19+50 AR

644.50 644.74 644.90 645.09 645.25 645.53 645.66 645.79 645.92 646.05 646.18 646.27 646.28 646.20 646.05 645.81 645.49 645.09 644.61 644.09

14AR 645.07 645.57 645.70 645.83 645.96 646.09 646.22 646.35 646.48 646.57 646.58 646.50 646.35 646.11 645.79 645.39 644.91 644.39

15AR

16AR

17AR

18AR

19AR 642.35 642.39 642.62 642.65 642.92 642.69 643.04 643.34 643.57 643.87

15'

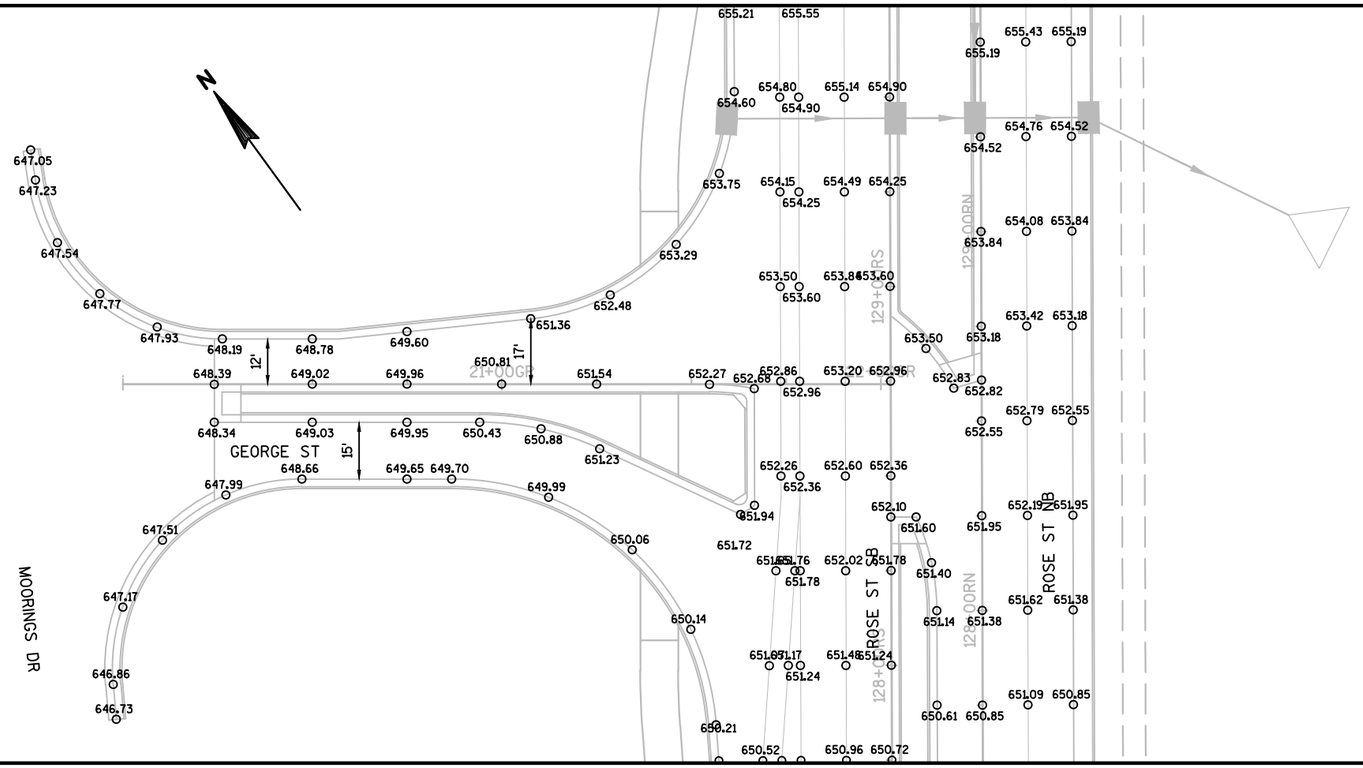
15'

MH

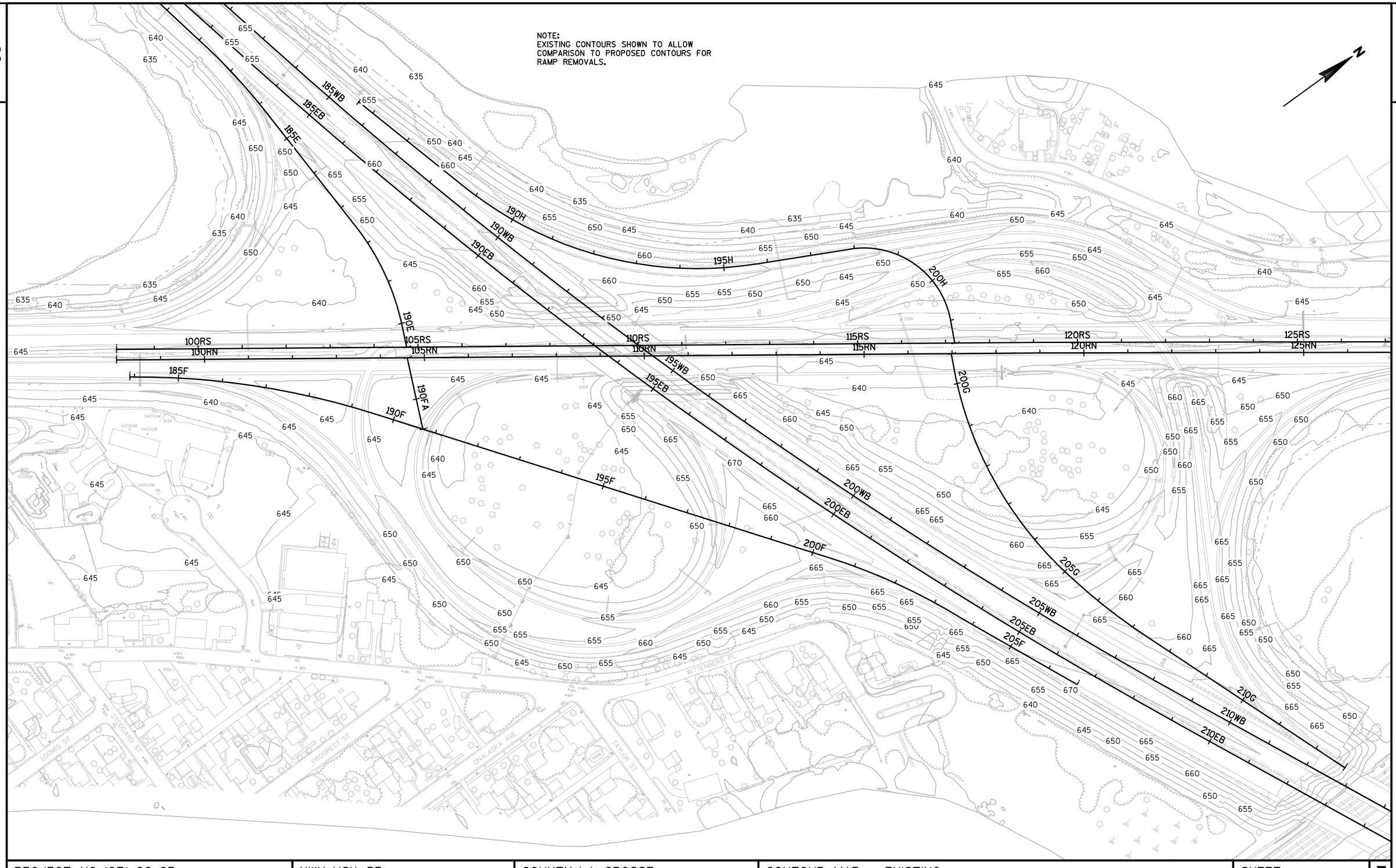
MH

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PAVING GRADES - ACCESS ROAD	SHEET 107	E

2


N
GEORGE ST
MOORINGS DR
ROSE ST SB
ROSE ST NB
12'
15'
17'
655.21 655.55
655.43 655.19
655.19
654.80 655.14 654.90
654.60
654.90
654.76 654.52
654.52
654.15 654.49 654.25
653.75
654.25
654.08 653.84
653.84
653.50 653.86 653.60
653.29
653.60
653.42 653.18
653.18
653.50
652.48
651.36
649.60
647.77
647.93
648.19
648.78
647.54
647.05
647.23
650.81
648.39
649.02
649.96
651.54
652.27
652.68
652.86
652.96
653.20 652.96
652.83
652.82
652.79 652.55
652.55
648.34
649.03
649.95
650.43
650.88
651.23
648.66
649.65 649.70
647.99
649.99
652.26 652.60 652.36
652.36
651.94
652.10
651.60
652.19 651.95
651.95
651.72
651.76 652.02 651.78
651.78
651.40
651.62 651.38
651.14 651.38
650.14
651.17 651.48 651.24
651.24
651.09 650.85
650.61 650.85
650.21
650.52 650.96 650.72
647.51
650.06
647.17
646.86
646.73

NOTE:
EXISTING CONTOURS SHOWN TO ALLOW COMPARISON TO PROPOSED CONTOURS FOR RAMP REMOVALS.



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONTOUR MAP - EXISTING	SHEET 109	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\1071-06-83 COUNTOUR MAPS\EXISTING.DWG
LAYOUT NAME - 021601_CM

PLOT DATE : 7/27/2016 11:46 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

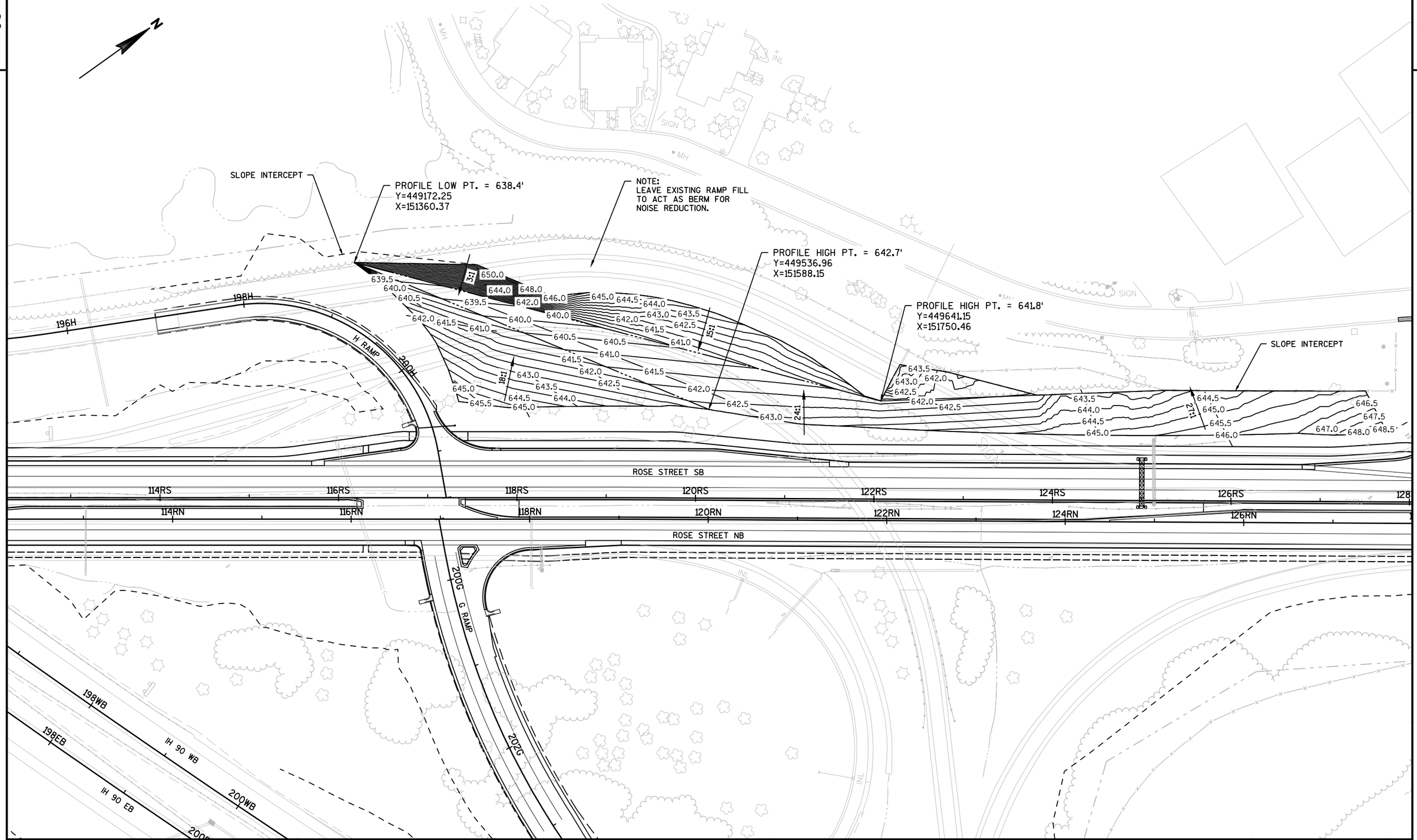
N

NOTE:
GRADE TO DRAIN. PONDING NOT ALLOWED NEAR AIRPORT FLIGHT PATH. DO NOT DRAIN EXISTING WETLANDS.

ROSE STREET SB
ROSE STREET NB
126RS
126RN
124RS
124RN
122RS
122RN
120RS
120RN
118RS
118RN
116RS
116RN
642.5
643.0
643.5
644.0
644.5
645.0
645.5
650.0
648.0
646.0
654.0
652.0
650.0
648.0
646.0
660.0
662.0
664.0
666.0
650.0
652.0
654.0
656.0
646.0
648.0
650.0
640.5
640.0
641.5
642.0
641.0
643.5
643.0
642.5
644.5
645.0
645.5
644.0
645.0
645.5
644.5
644.0
643.5
643.0
642.5
644.5
15:1
100:1
8:1
11:1
EXIST MH TO REMAIN
GRADE FINAL SURFACE
TO MATCH ELEV = 641.92
SLOPE INTERCEPT
SLOPE INTERCEPT
SLOPE INTERCEPT
HIGH PT. = 646.0'
Y=450135.81
X=151427.67
200H
H RAMP
200G
202G
G RAMP
204G
206G
208G
210G
212G
206WB
IH 90 WB
208WB
210WB
212WB
206EB
IH 90 EB
208EB
210EB
212EB

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	CONTOUR MAP - NE QUADRANT	SHEET 110	E

2



PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CONTOUR MAP - NW QUADRANT	SHEET 111	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\1071-06-83 COUNTOUR MAPS\NW QUAD.DWG
LAYOUT NAME - PLAN 1 IN 100 FT
PLOT DATE : 7/27/2016 12:51 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

E RAMP

190E

106RS

106RN

ROSE STREET SB

108RS

108RN

194EB

196WB

196EB

198WB

198EB

IH 90 WB

IH 90 EB

200WB

200EB

ROSE STREET NB

104RS

104RN

102RS

102RN

190FA

SLOPE INTERCEPT

F RAMP

188F

190F

192F

194F

196F

198F

200F

SEE "CONSTRUCTION DETAIL - TREATMENT SWALE" DETAILS FOR MORE INFORMATION.

SLOPE INTERCEPT

640.5
642.0
641.0
643.5
642.5
641.5
644.0
643.0
644.5
645.0
645.5
646.0
646.5
646.5
646.0
645.5
645.0

646.5

50:1

50:1

50:1

50:1

HIGH PT. = 646.7'
Y=448964.46
X=150062.41

HIGH PT. = 646.8'
Y=449255.12
X=150072.83

SLOPE INTERCEPT

650.0
646.5
648.0
649.0
650.5
652.0
652.5
653.0
653.5
654.0
654.5
656.0
656.5
657.0
655.5
655.0
651.5
651.0
649.5
647.5
647.0
648.5
646.0
645.0
645.5

6:1

645.0
645.5
646.0
646.5
647.0
646.5
646.0
645.5
645.0

50:1

NOTE:
GRADE TO DRAIN TO WEST.

HIGH PT. = 647.5'
Y=449539.19
X=150407.34

WITTENBERG PL

TAYLOR ST

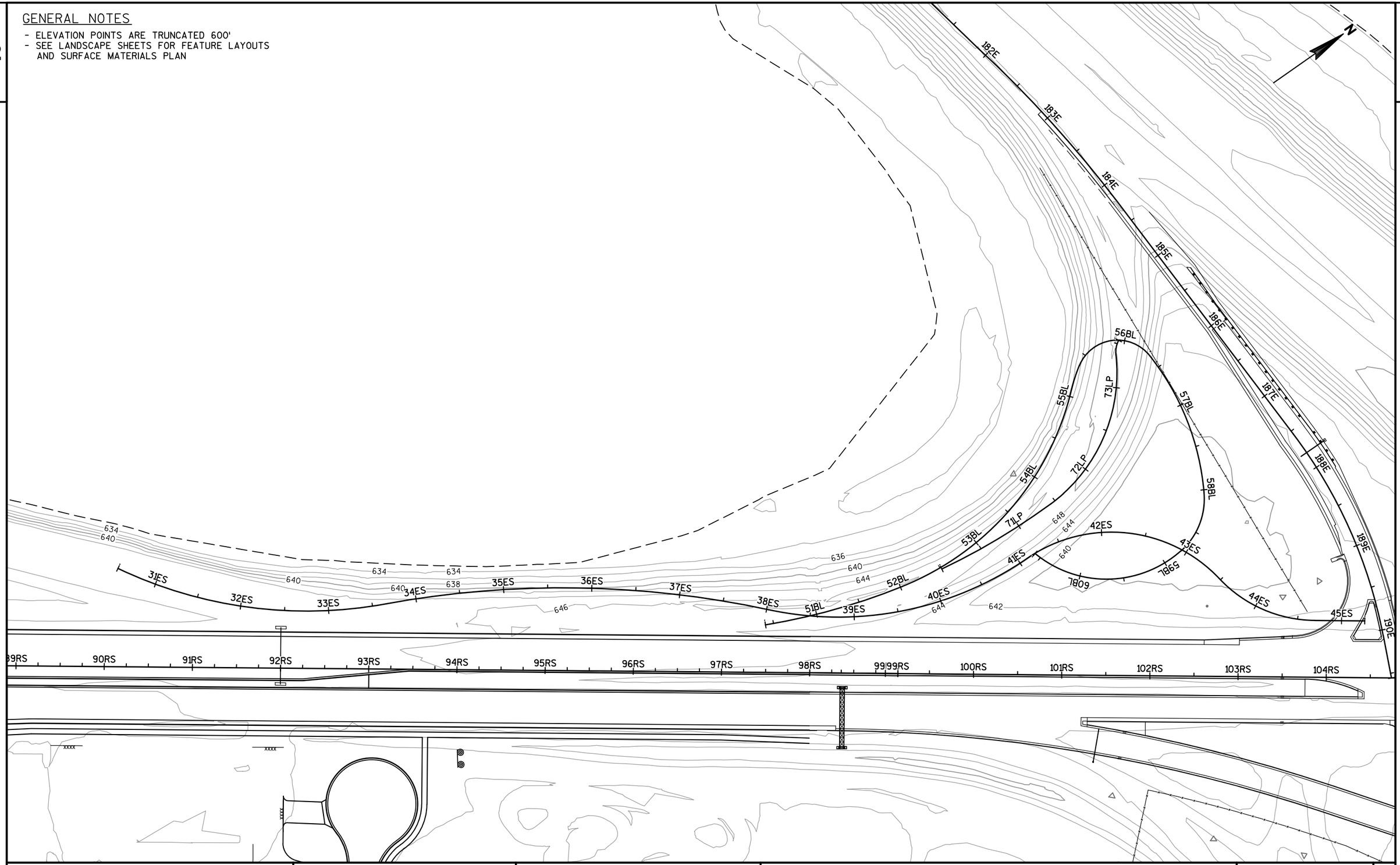
ASKA AVE

POOL

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CONTOUR MAP - SE QUADRANT	SHEET 112	E

GENERAL NOTES

- ELEVATION POINTS ARE TRUNCATED 600'
- SEE LANDSCAPE SHEETS FOR FEATURE LAYOUTS AND SURFACE MATERIALS PLAN



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONTOUR MAP - EAGLE VIEWING AREA	SHEET 113 E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\PLRF\SITE DESIGN\EAGLE VIEWING AREA DESIGN.DWG
LAYOUT NAME - 1

PLOT DATE : 9/27/2016 12:17 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1" = 1'

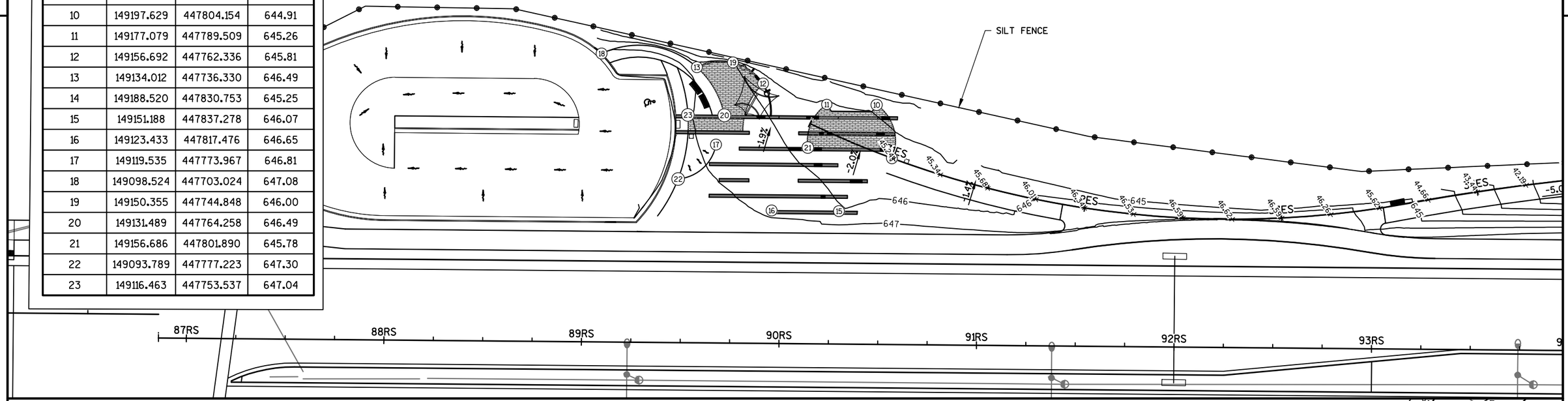
WISDOT/CADDS SHEET 42

2

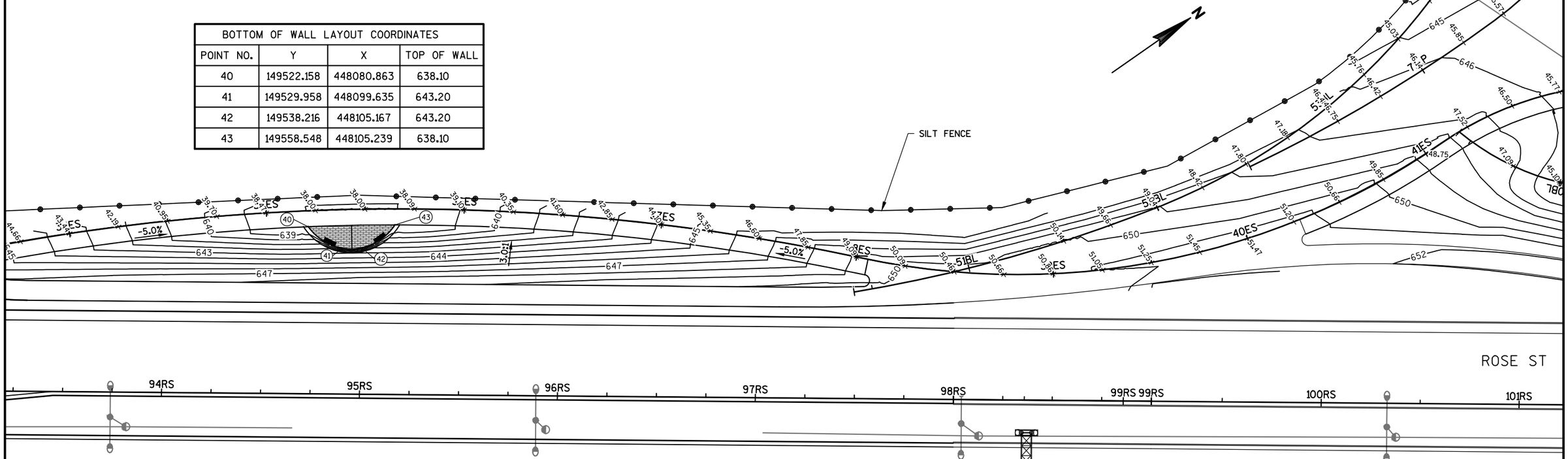
GENERAL NOTES

- ELEVATION POINTS ARE TRUNCATED 600'
- SEE LANDSCAPE SHEETS FOR FEATURE LAYOUTS AND SURFACE MATERIALS PLAN

POINT TABLE			
POINT NO.	Y	X	ELEVATION
10	149197.629	447804.154	644.91
11	149177.079	447789.509	645.26
12	149156.692	447762.336	645.81
13	149134.012	447736.330	646.49
14	149188.520	447830.753	645.25
15	149151.188	447837.278	646.07
16	149123.433	447817.476	646.65
17	149119.535	447773.967	646.81
18	149098.524	447703.024	647.08
19	149150.355	447744.848	646.00
20	149131.489	447764.258	646.49
21	149156.686	447801.890	645.78
22	149093.789	447777.223	647.30
23	149116.463	447753.537	647.04



BOTTOM OF WALL LAYOUT COORDINATES			
POINT NO.	Y	X	TOP OF WALL
40	149522.158	448080.863	638.10
41	149529.958	448099.635	643.20
42	149538.216	448105.167	643.20
43	149558.548	448105.239	638.10

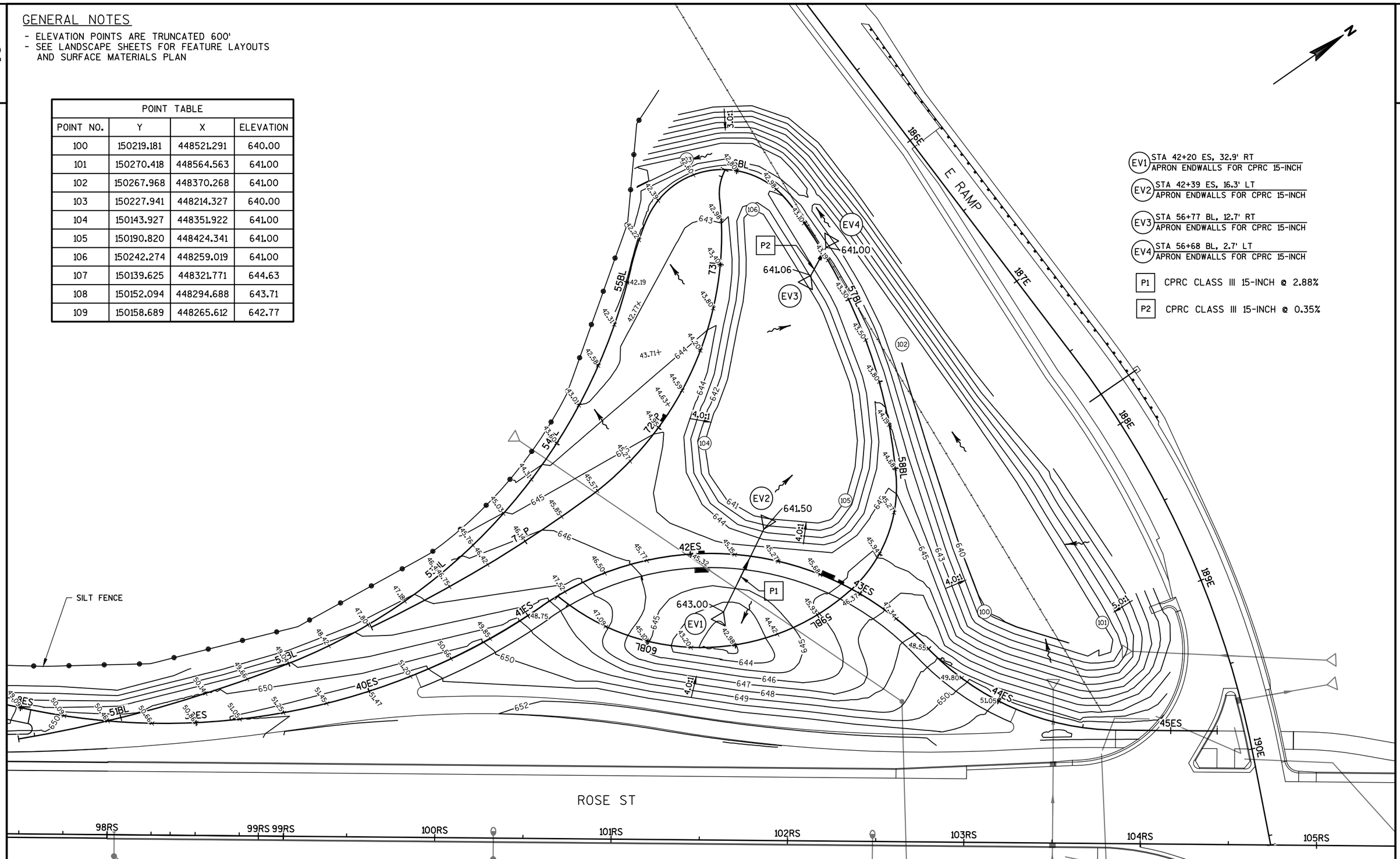


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONTOUR MAP - EAGLE VIEWING AREA	SHEET 114 E

GENERAL NOTES

- ELEVATION POINTS ARE TRUNCATED 600'
- SEE LANDSCAPE SHEETS FOR FEATURE LAYOUTS AND SURFACE MATERIALS PLAN

POINT TABLE			
POINT NO.	Y	X	ELEVATION
100	150219.181	448521.291	640.00
101	150270.418	448564.563	641.00
102	150267.968	448370.268	641.00
103	150227.941	448214.327	640.00
104	150143.927	448351.922	641.00
105	150190.820	448424.341	641.00
106	150242.274	448259.019	641.00
107	150139.625	448321.771	644.63
108	150152.094	448294.688	643.71
109	150158.689	448265.612	642.77



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CONTOUR MAP - EAGLE VIEWING AREA	SHEET 115	E

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

186EW

EW RAMP

IH 90 EB

IH 90 WB

H RAMP

100RS

102RS

104RS

106RS

ROSE ST

108RS

110RS

112RS

104FY FY RAMP

INL

SIGN

VACUUM

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022101_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

MH
W
SIGN
INL
MH
MH
SIGN
INL
INL
198HX
200HX
202HX
204HX
HX RAMP
206HX
SIGN
112RS
114RS
116RS
118RS
120RS
ROSE ST
122RS
124RS
126RS
206GY
206GY RAMP
IH 90 WB
IH 90 EB

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\da_0682_022102_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

GEORGE ST

ROSE ST

ROSE ST SB

ROSE ST NB

124RS 126RS 128RS 130RS 132RS 134RS 136RS 138RS

140RW 140RS 142RW 142RS 144RW 144RS 146RS 146RW 148RS 148RW 150RS 152RS 154RS

SIGN INL MH BLEACHERS W

N

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 1	SHEET 118	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022103_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

IH 90 WB

IH 90 EB

F RAMP

GY RAMP

204GY

206GY

208GY

210GY

212GY

INL

INL

POOL

SIGN

SIGN

BURLINGTON NORTHERN - SANTA FE

N

LEGEND

EROSION MAT CLASS I TYPE B

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SILT FENCE

INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

RIPRAP LIGHT

SURFACE WATER FLOW

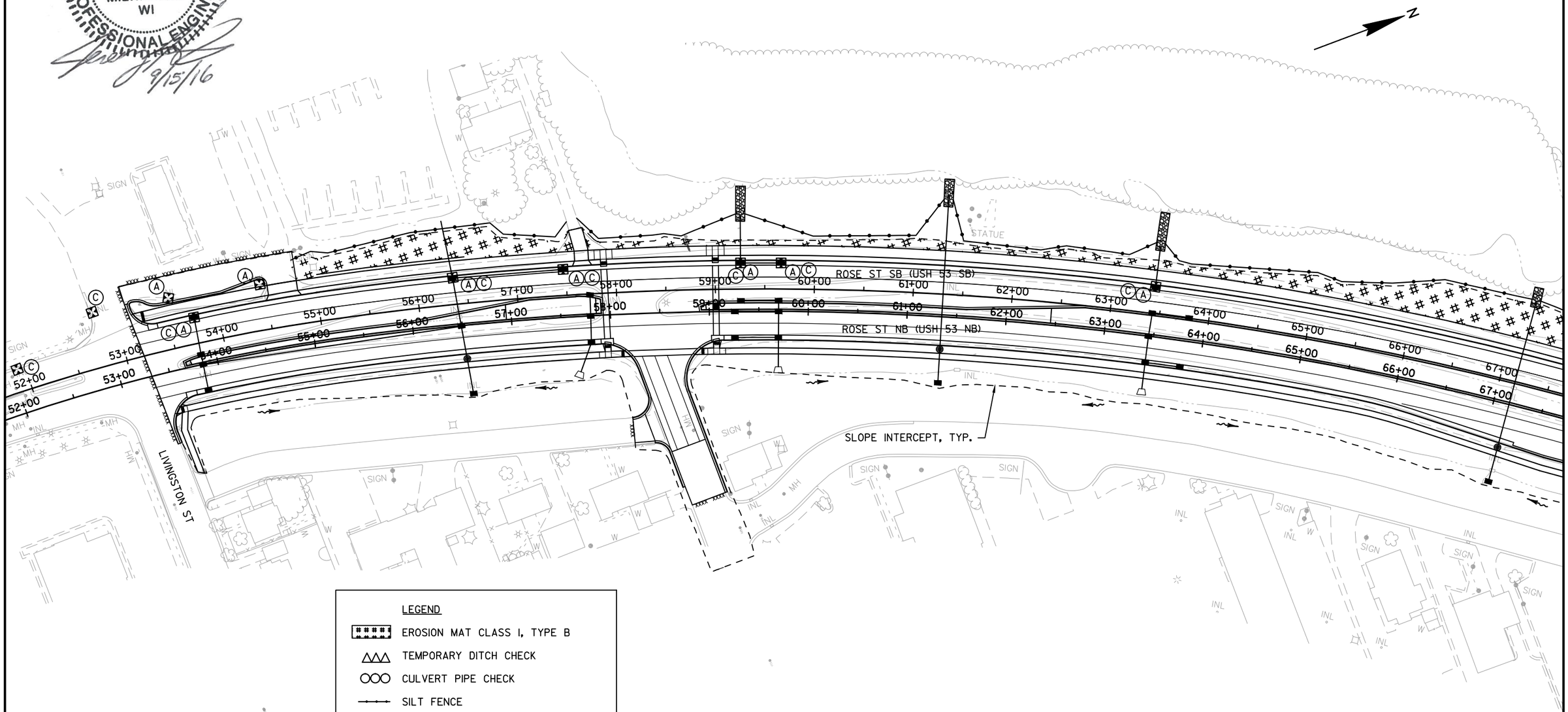
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_022105_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16



LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2: USH 53 (ROSE STREET)	SHEET 120	E

2

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N

68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00

ROSE ST SB

ROSE ST NB

PALACE ST

SLOPE INTERCEPT, TYP.

CANOPY

FILLER CAPS

PHONE

SIGN

INL

MH

W

LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2: USH 53 (ROSE STREET)	SHEET 121	E

2

LEGEND

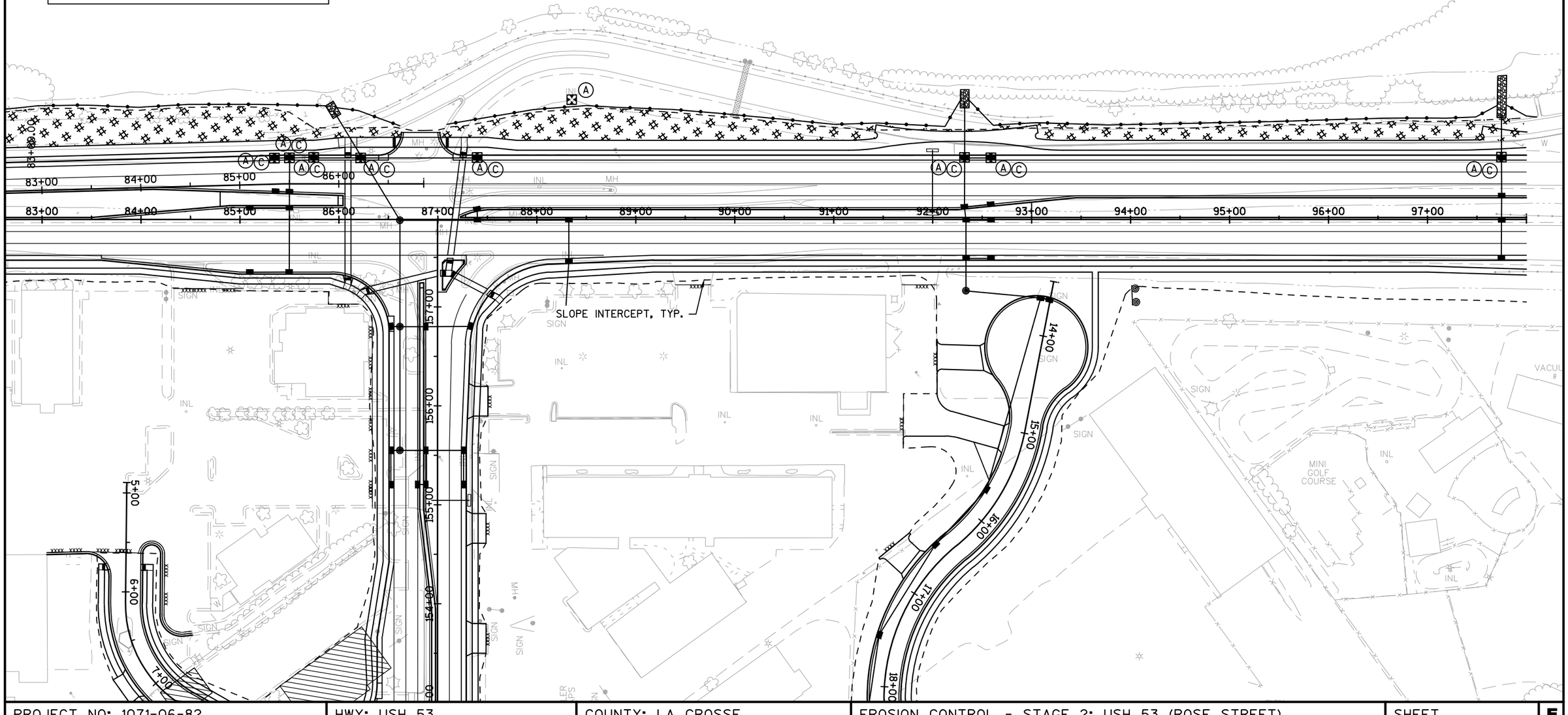
- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C FOR CURB INLETS.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.
3. COORDINATE EROSION CONTROL WITH EAGLE WATCH PROJECT.

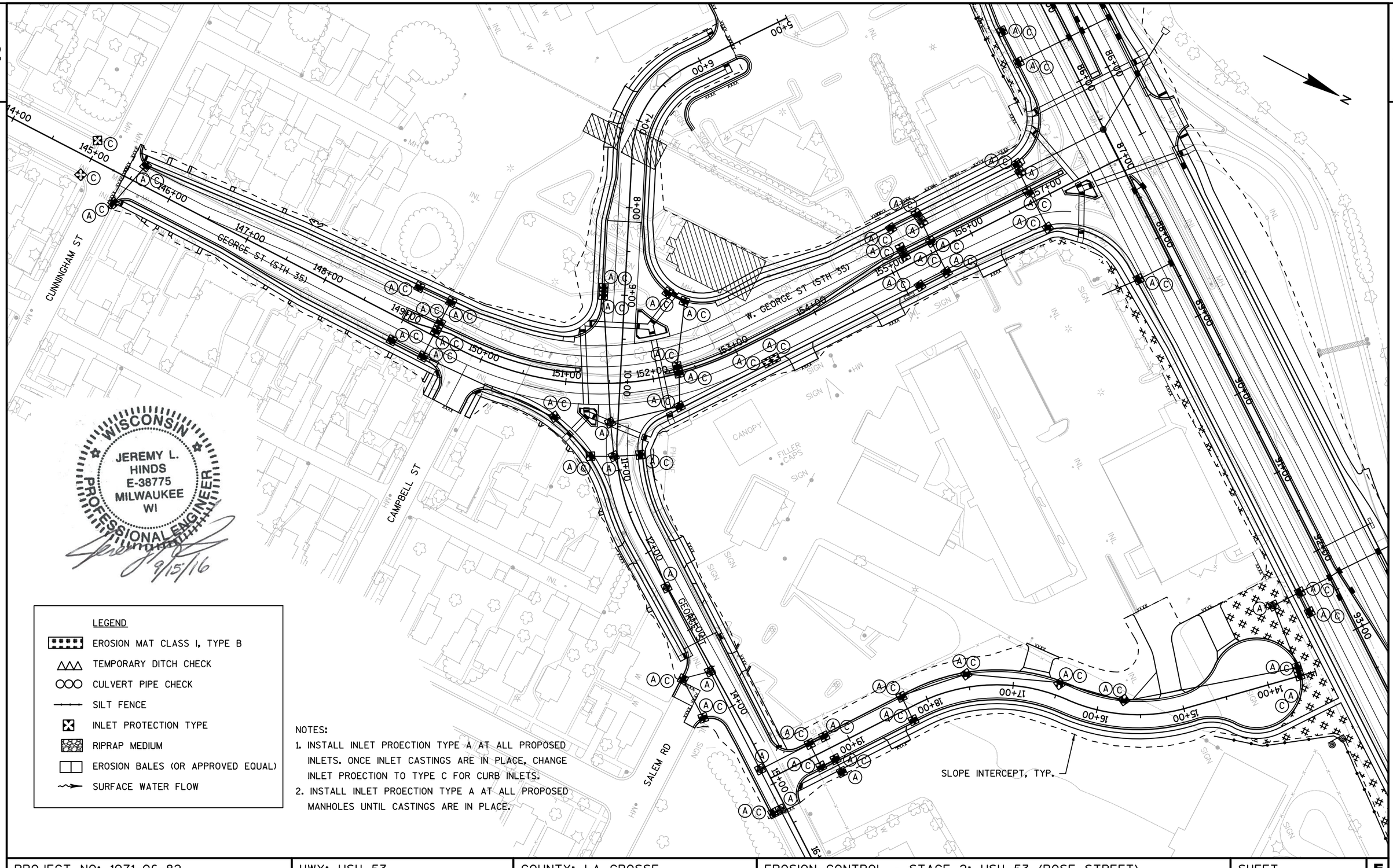
WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2: USH 53 (ROSE STREET)	SHEET 122	E

2



JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
WISCONSIN
9/15/16

LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROECTION TYPE A AT ALL PROPOSED INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROECTION TO TYPE C FOR CURB INLETS.
2. INSTALL INLET PROECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2: USH 53 (ROSE STREET)	SHEET 123	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\022001_EC_STAGE 3.DWG
LAYOUT NAME - 022001_EC_STAGE 3 - 022004_EC
PLOT DATE : 9/26/2016 10:31 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

STAGE 1

STAGE 1

STAGE 1

STAGE 1

EW RAMP

186EW

IH 90 EB

IH 90 WB

H RAMP

ROSE ST

FX RAMP

TYPES A&C

TYPES A&C

TYPES A&C

TYPES A&C

100RN

102RN

104RN

106RN

108RN

110RN

112RN

98FX

184F

100FX

186F

188F

190FA

190F

102FX

192F

194F

SS

FO

SIGN

VACUUM

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_022201_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

STAGE 1

198HX

200HX

202HX

204HX

HX RAMP

206HX

208HX

202GY

204GY

GZ RAMP

GY RAMP

112RN

114RN

116RN

120RN

122RN

124RN

126RN

TYPES A&C

TYPES A&C

ROSE ST

200G

202G

G RAMP

IH 90 WB

IH 90 EB

SIGN

MH

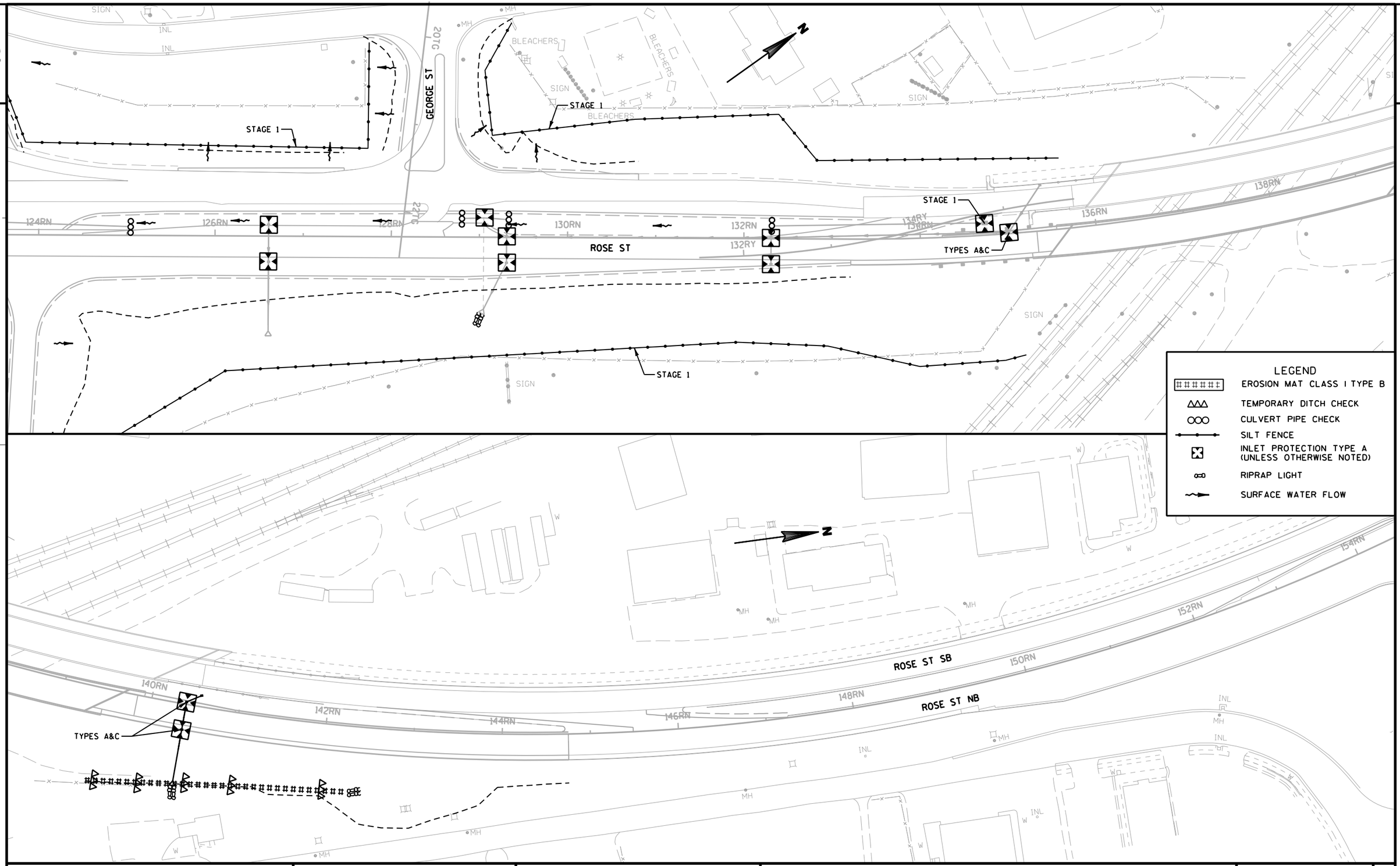
W

INL

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022202_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

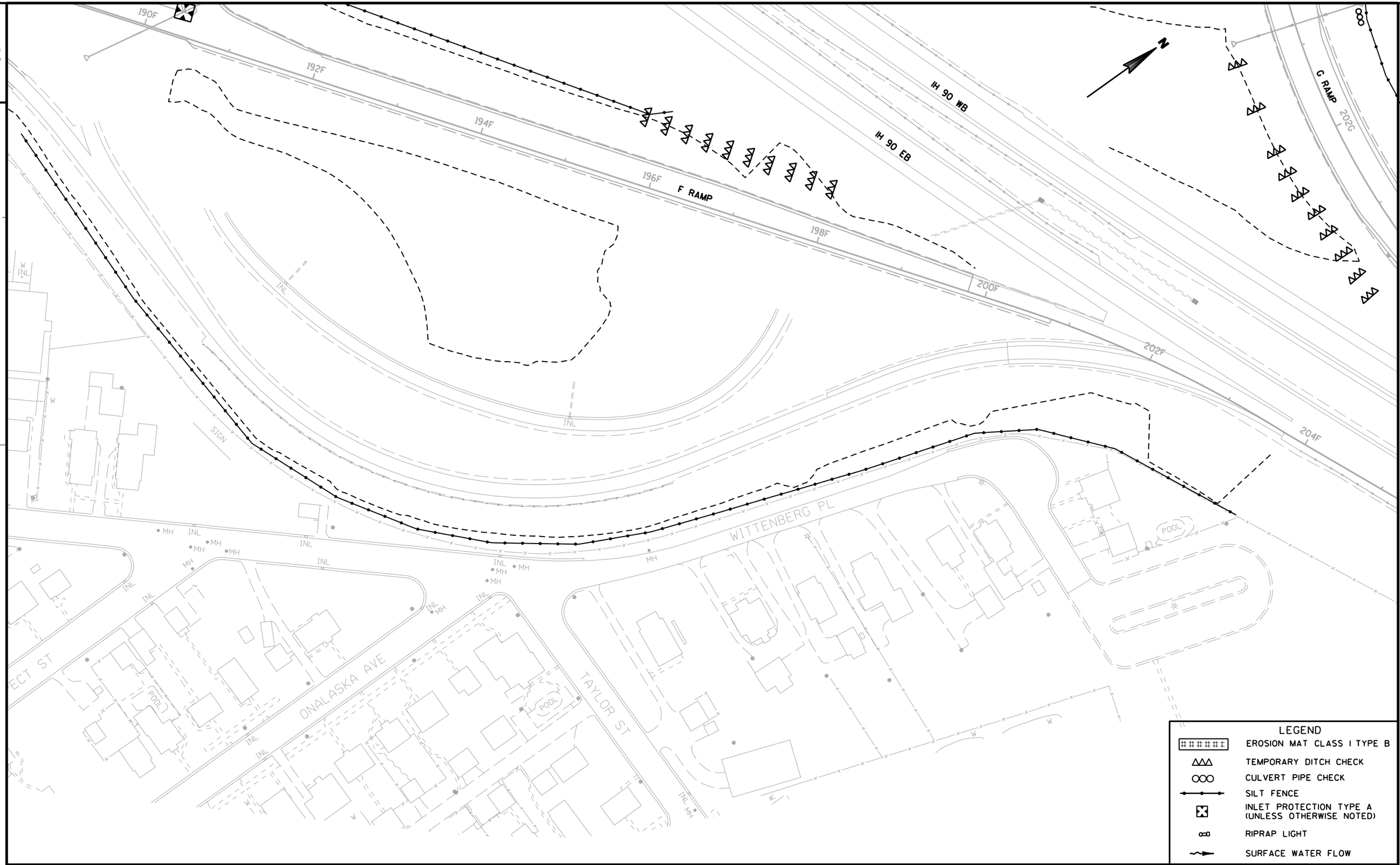
WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022203_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_022204_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

IH 90 WB

IH 90 EB

F RAMP

GY RAMP

202G

204GY

206G

206GY

208G

208GY

210G

210GY

212G

212GY

STAGE 1

SIGN

POOL

BURLINGTON NORTHERN - SANTA FE

N

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

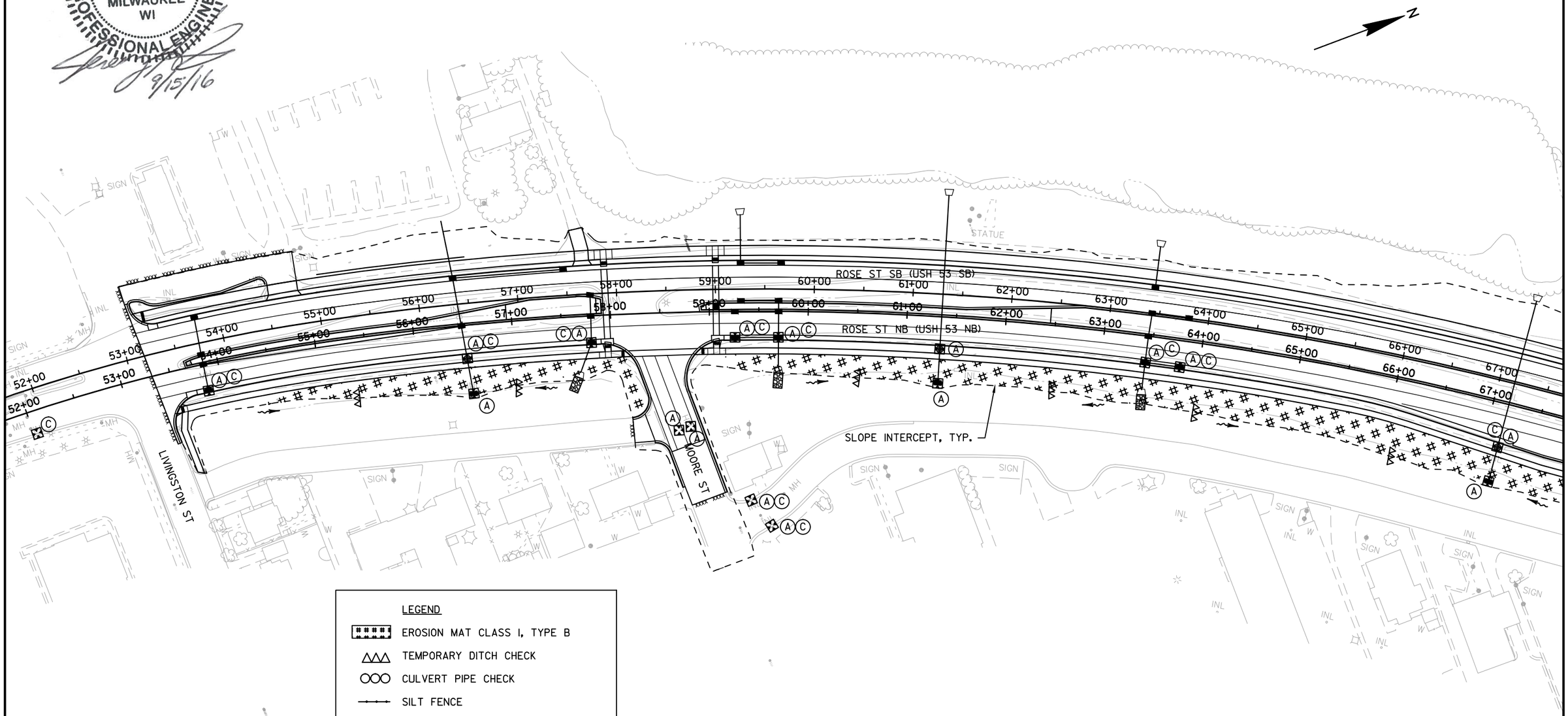
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 2	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_022205_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16



LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3: USH 53 (ROSE STREET)	SHEET 129	E

2

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N

68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00

ROSE ST SB

ROSE ST NB

PALACE ST

SLOPE INTERCEPT, TYP.

CANOPY

FILLER CAPS

PHONE

SIGN

INL

MH

W

LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3: USH 53 (ROSE STREET)	SHEET 130	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\022001_EC_STAGE 3.DWG
LAYOUT NAME - 022001_EC_STAGE 3 - 022002_EC

PLOT DATE : 9/26/2016 10:30 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

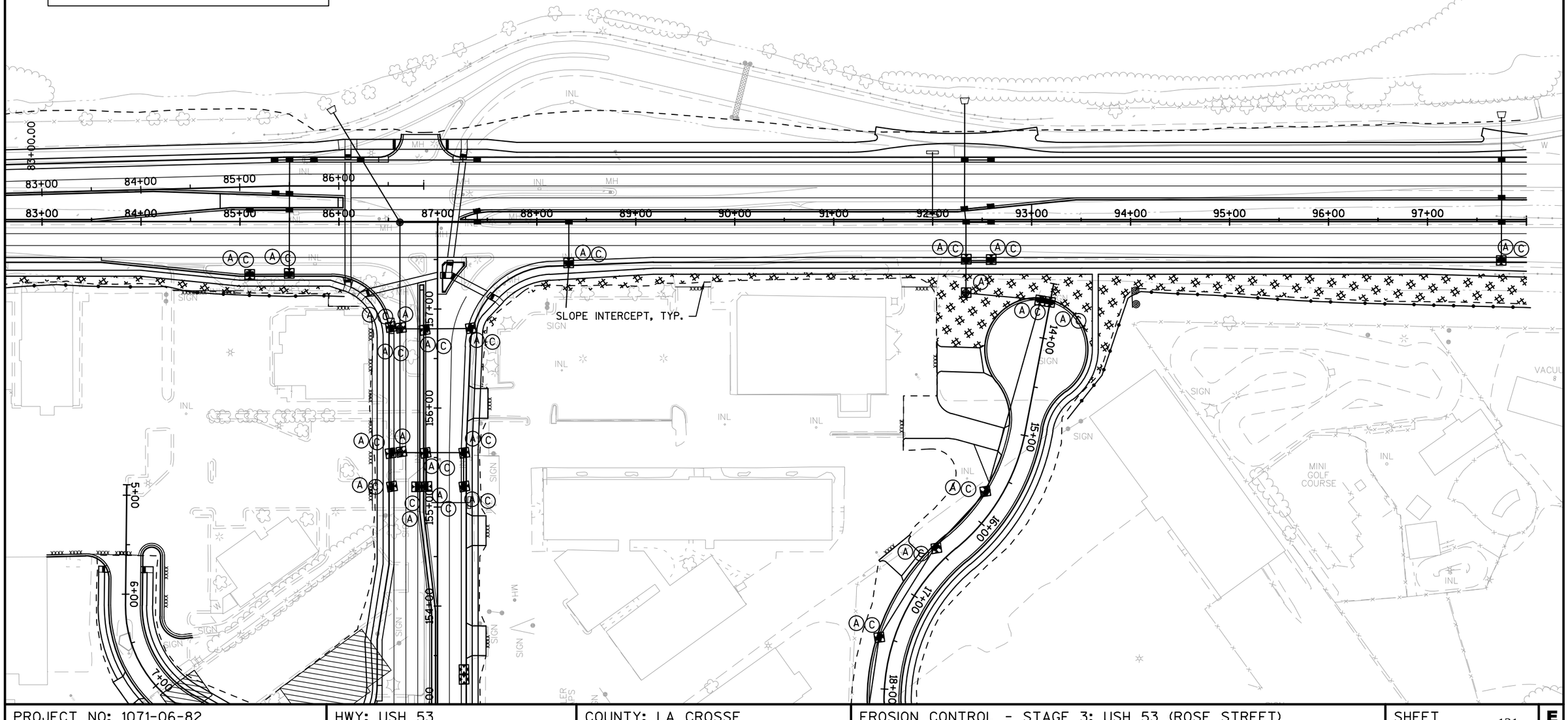
- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C FOR CURB INLETS.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.
3. COORDINATE EROSION CONTROL WITH EAGLE WATCH PROJECT.

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3: USH 53 (ROSE STREET)	SHEET 131	E

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

184E
186E
188E
E RAMP
IH 90 EB
IH 90 WB
H RAMP
STAGE 1
190E
TYPES A&C
100RS
102RS
104RS
106RS
108RS
110RS
112RS
ROSE ST
184F
186F
F RAMP 188F
STAGE 2
190FA
190F
192F
194F
SS
FO
VACUUM
SIGN

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3	SHEET 132	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\qq_0682_022301_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

STAGE 1
STAGE 2
STAGE 3
STAGE 1
STAGE 1
STAGE 2
STAGE 1

196H
198H
200H
H RAMP

112RS
114RS
116RS
118RS
120RS
122RS
124RS
126RS

TYPES A&C
TYPES A&C
TYPES A&C
TYPES A&C
TYPES A&C

ROSE ST SB
ROSE ST NB

200C
202C
G RAMP

IH 90 WB
IH 90 EB

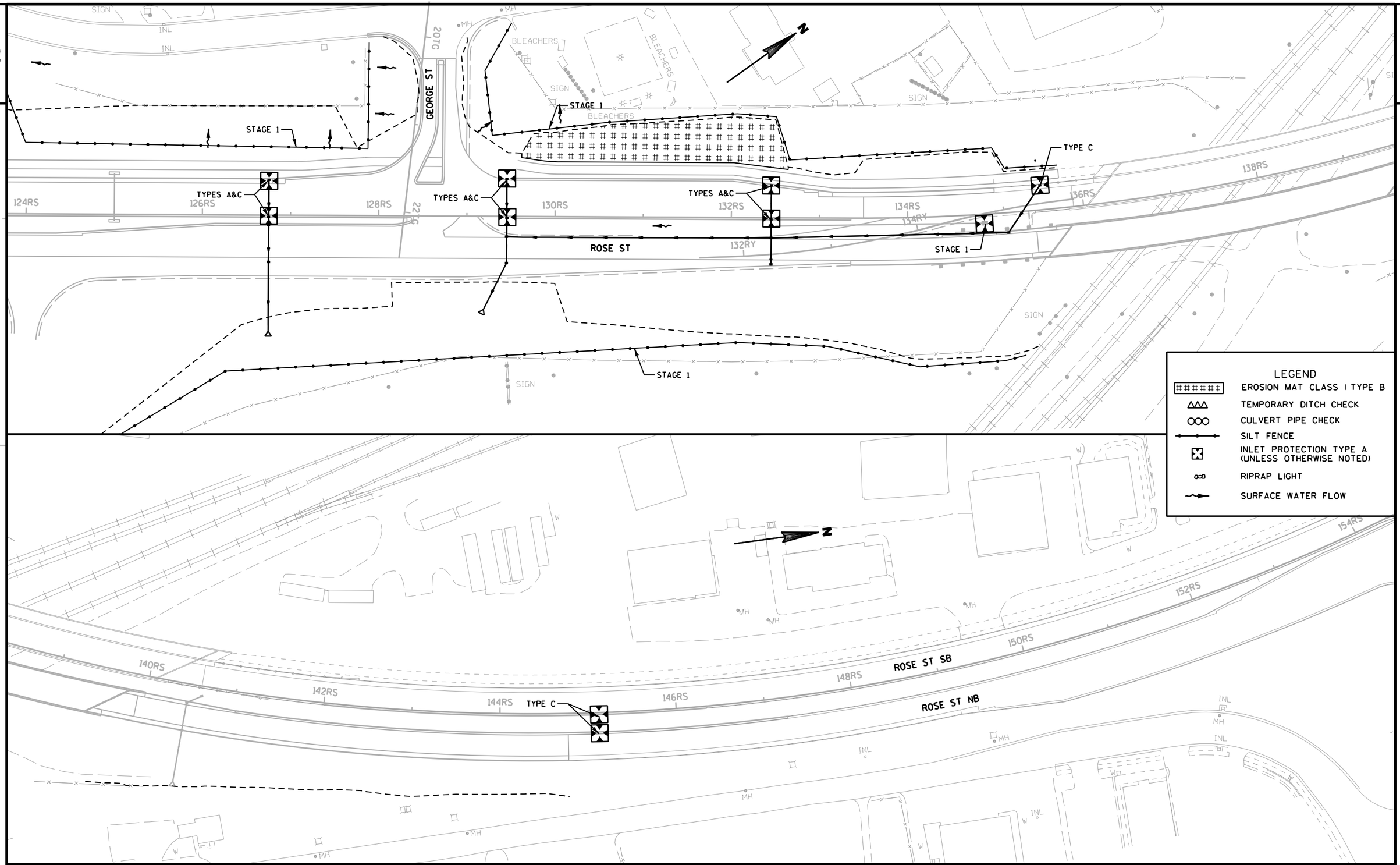
MH
MH
MH
W
SIGN
SIGN
INL
INL
INL

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022302_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

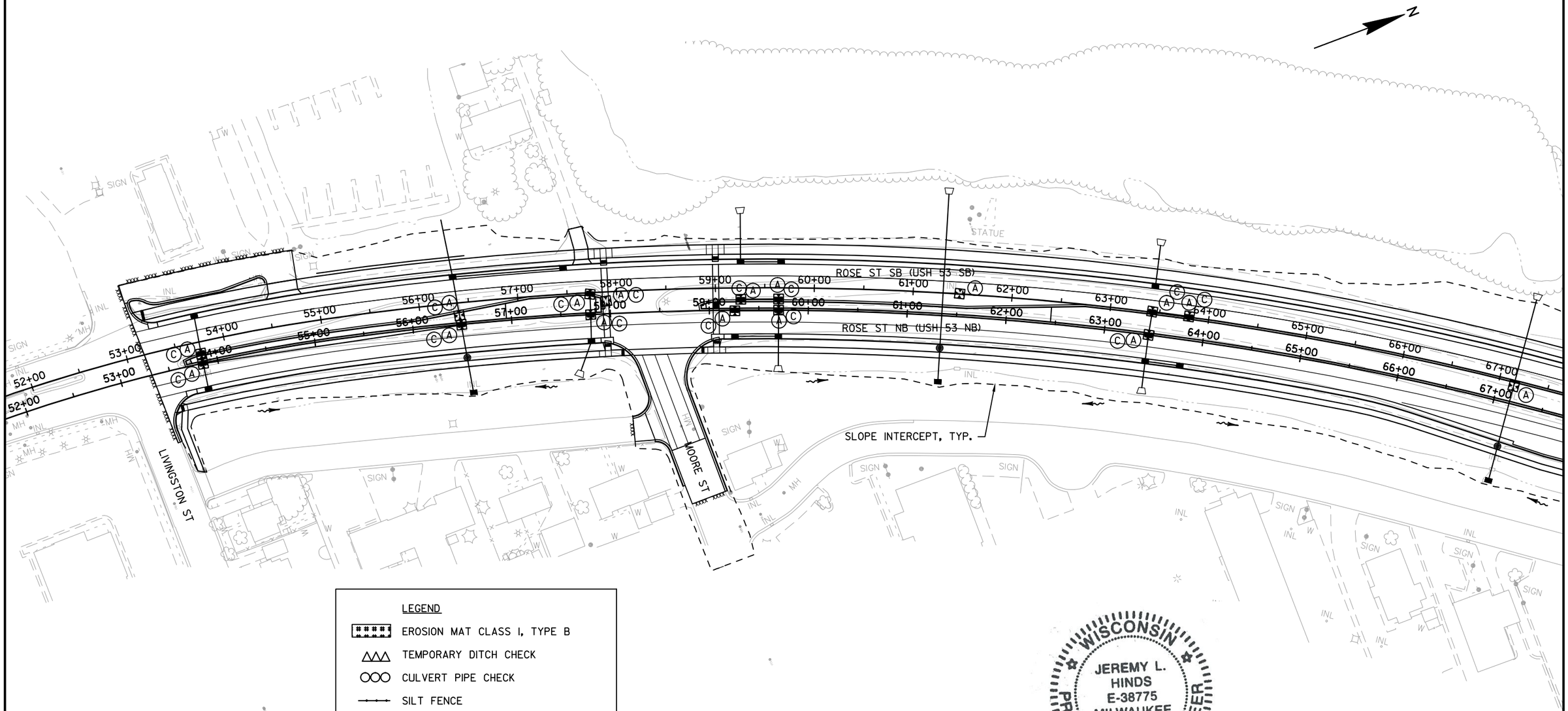
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 3	SHEET 134	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 4: USH 53 (ROSE STREET)	SHEET 135	E

2

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N

ROSE ST SB

ROSE ST NB

PALACE ST

SLOPE INTERCEPT, TYP.

CANOPY

FILLER CAPS

PHONE

LEGEND

- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 4: USH 53 (ROSE STREET)	SHEET 136	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\022001_EC_STAGE 4.DWG
LAYOUT NAME - 022001_EC_STAGE 4 - 022002_EC

PLOT DATE : 9/26/2016 10:34 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

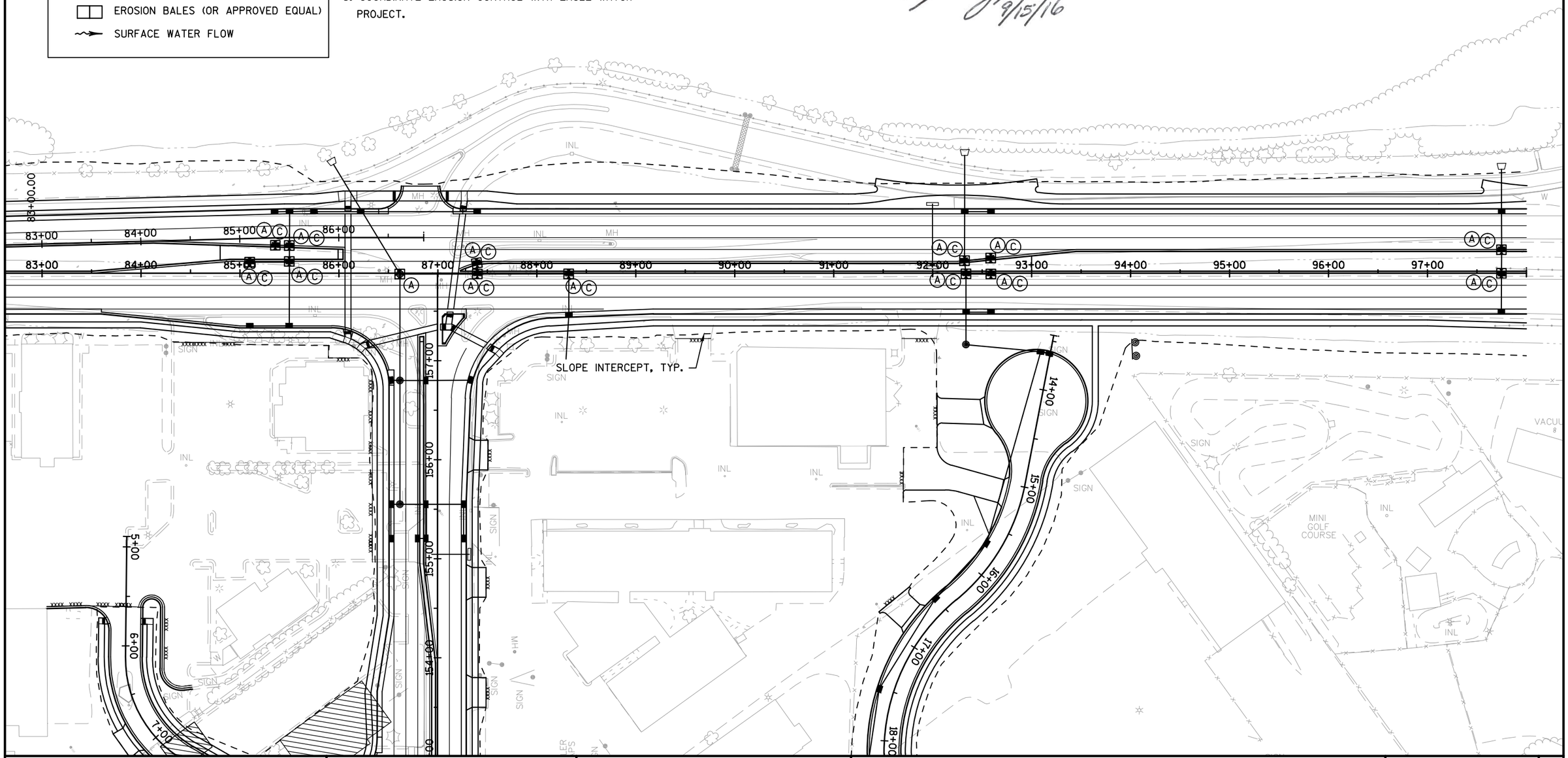
- EROSION MAT CLASS I, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE
- RIPRAP MEDIUM
- EROSION BALES (OR APPROVED EQUAL)
- SURFACE WATER FLOW

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE C FOR CURB INLETS.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTINGS ARE IN PLACE.
3. COORDINATE EROSION CONTROL WITH EAGLE WATCH PROJECT.

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

N



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGE 4: USH 53 (ROSE STREET)	SHEET 137	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\022001_EC_STAGE 4.DWG
LAYOUT NAME - 022001_EC_STAGE 4 - 022003_EC
PLOT DATE : 9/26/2016 10:34 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

184E
186E
188E
E RAMP
190E
IH 90 EB
IH 90 WB
H RAMP
100RS
102RS
104RS
106RS
ROSE ST SB
108RS
110RS
112RS
100RN
102RN
104RN
106RN
108RN
110RN
112RN
ROSE ST NB
TYPE C
TYPE C
TYPE C
TYPE C
STAGE 2
STAGE 2
184F
186F
188F
190FA
F RAMP 190F
192F
194F
VACUUM
SIGN
VACUUM
VACUUM
SIGN

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGES 4/5	SHEET 138	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\ao_0682_022401_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP LIGHT
- SURFACE WATER FLOW

N

MH
W
INL
SIGN
MH
INL
MH
SIGN
INL
INL

196H
198H
200H
H RAMP

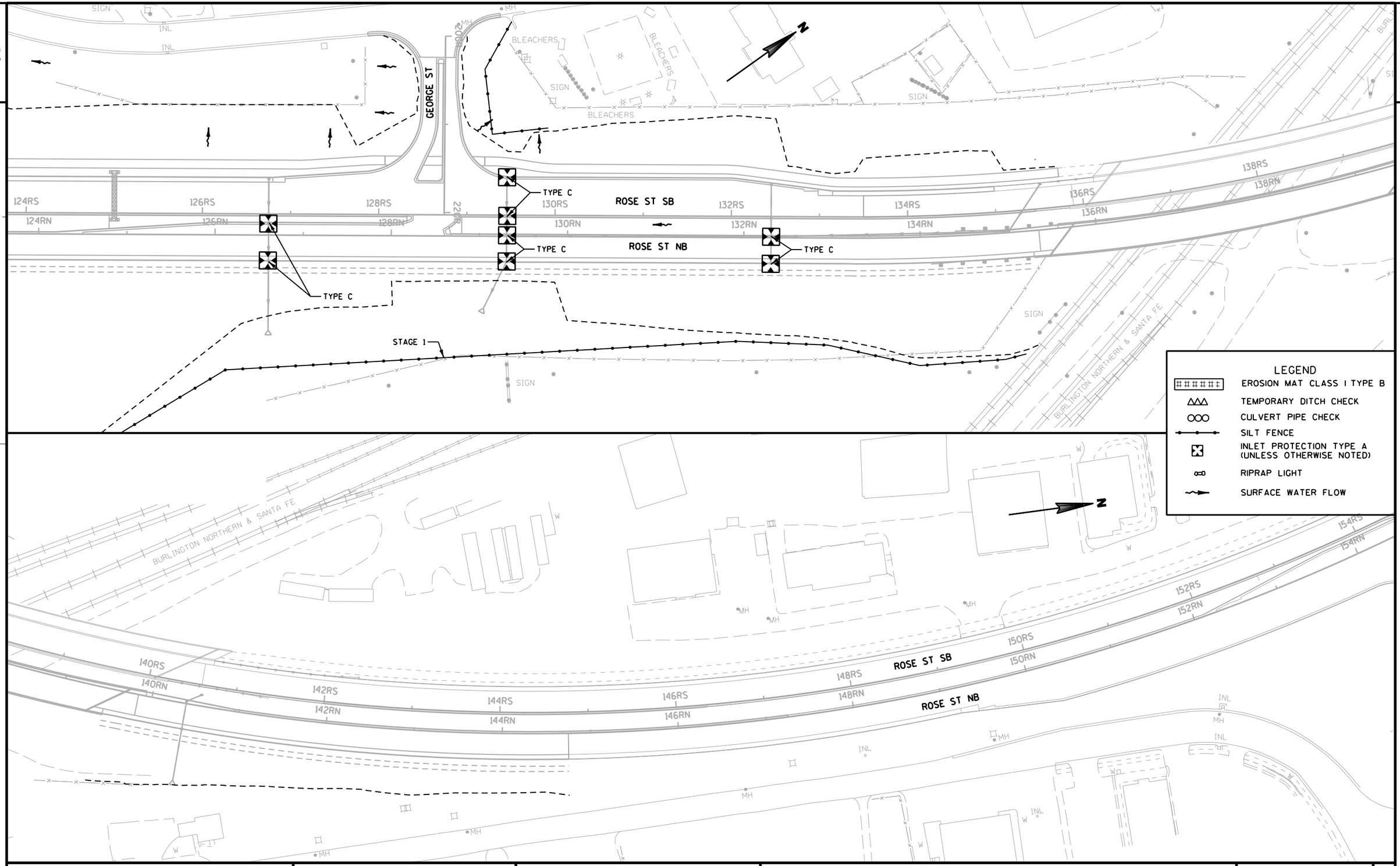
112RS
114RS
116RS
118RS
120RS
ROSE ST SB
122RS
124RS
126RS
112RN
114RN
116RN
118RN
120RN
122RN
124RN
126RN

TYPE C
TYPE C
STAGE 2
200G
ROSE ST NB
TYPE C
TYPE C
TYPE C
STAGE 2
STAGE 1
IH 90 WB
IH 90 EB
G RAMP
202G

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EROSION CONTROL - STAGES 4/5	SHEET	E

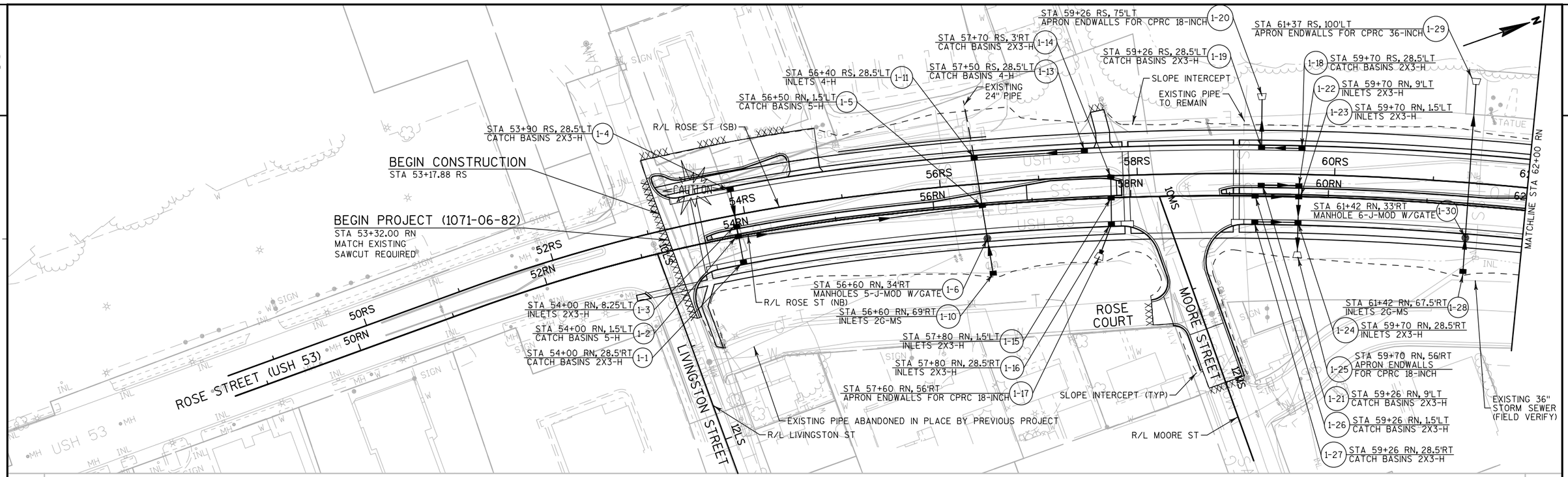
FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_022402_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

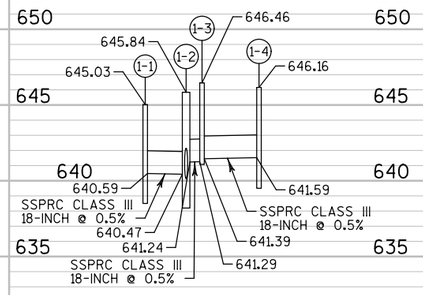
WISDOT/CADDS SHEET 42

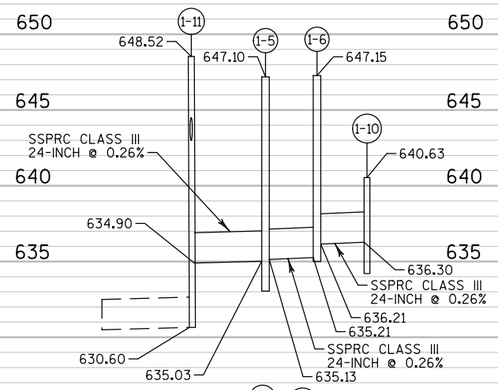


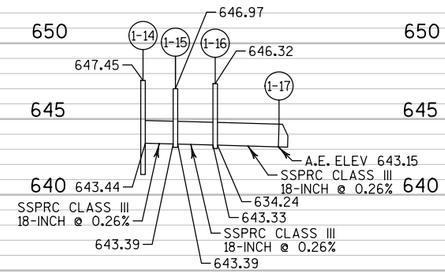
PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	EROSION CONTROL - STAGES 4/5	SHEET	E

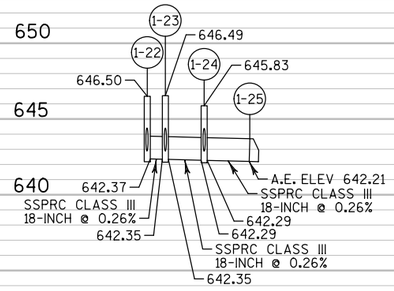
FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_022403_ec.dgn PLOT DATE : 9/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

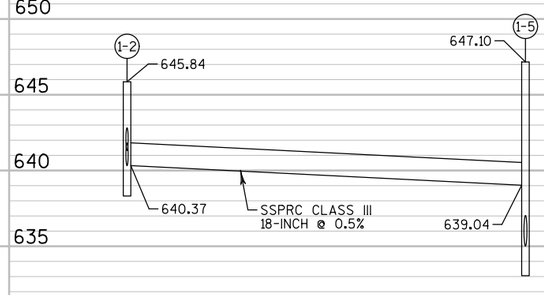


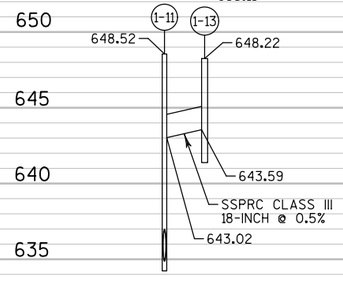


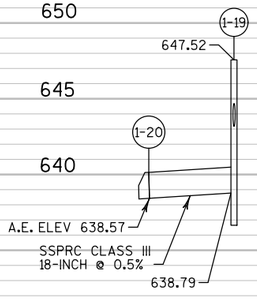


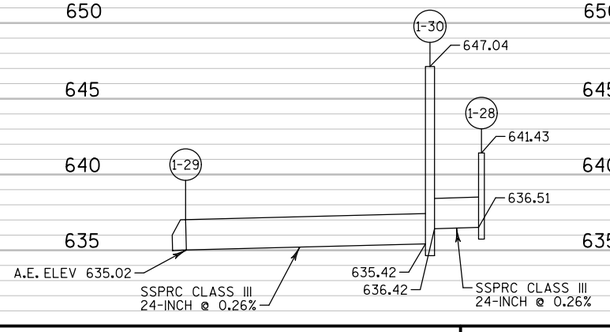




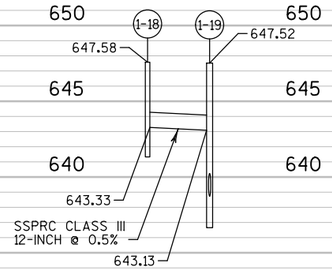


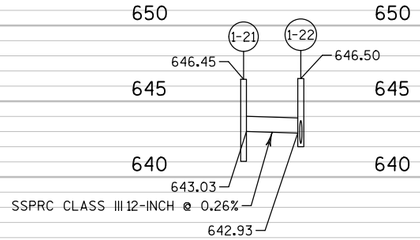


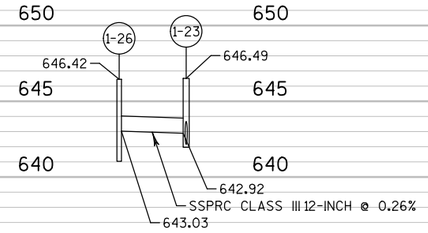


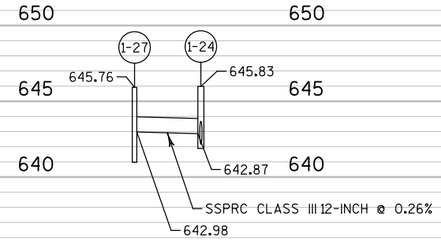


PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - USH 53	SHEET 141	E









2

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	STORM SEWER - USH 53	SHEET 142	E

STA 63+40 RS, 67.5'LT
APRON ENDWALLS FOR CPRC 18-INCH (2-7)

STA 63+40 RS, 28.5'LT
CATCH BASINS 2X3-H (2-6)

STA 67+20 RS, 84'LT
APRON ENDWALLS FOR CPRC 24-INCH (2-9)

EXISTING PIPE TO REMAIN

STA 70+20 RS, 62.5'LT
APRON ENDWALLS FOR CPRC 18-INCH (2-18)

STA 70+20 RS, 28.5'LT
INLETS 4-H (2-17)

STA 72+00 RS, 77'LT
APRON ENDWALLS FOR CPRC 24-INCH (2-27)

STA 72+00 RS, 28.5'LT
INLETS 2X3-H (2-26)

STA 75+00 RS, 28.5'LT
INLETS 2X3-H (2-35)

STA 75+00 RS, 1.5'RT
INLETS 2X3-H (2-34)

STA 75+00 RS, 75'LT
APRON ENDWALLS FOR CPRC 18-INCH (2-36)

SLOPE INTERCEPT

R/L ROSE ST (SB)

STA 69+60 RS, 28.5'LT
CATCH BASINS 4-H (2-16)

STA 72+00 RN, 10.5'LT
INLETS 2X3-H (2-25)

STA 72+31 RS, 28.5'LT
CATCH BASINS 2X3-H (2-30)

STA 69+60 RN, 13'LT
CATCH BASINS 4-H (2-15)

STA 72+00 RN, 1.5'LT
INLETS 2X3-H (2-24)

STA 72+31 RN, 10.5'LT
CATCH BASINS 2X3-H (2-29)

STA 69+60 RN, 1.5'LT
CATCH BASINS 2X3-H (2-14)

STA 72+25 RN, 1.5'LT
CATCH BASINS 2X3-H (2-28)

64RS 66RS 68RS 70RS 72RS 74RS 76

64RN ROSE STREET (USH 53) 66RN 68RN 70RN 72RN 74RN 76

USH 53

MATCHLINE STA 62+00 RN

MATCHLINE STA 76+00 RN

R/L ROSE ST (NB)

STA 63+80 RS, 1.5'RT
CATCH BASINS 2X3-H (2-1)

STA 68+80 RN, 1.5'LT
CATCH BASINS 2X3-H (2-11)

STA 67+20 RN, 45'RT
MANHOLES 5-J-MOD W/GATE (2-8A)

EXISTING PIPE TO REMAIN

STA 63+80 RN, 28.5'RT
CATCH BASINS 2X3-H (2-5)

STA 68+80 RN, 42.5'RT
INLETS 2X3-H (2-12)

STA 67+20 RN, 81'RT
INLETS 2G-MS (2-8)

STA 72+25 RN, 28.5'RT
CATCH BASINS 2X3-H (2-22)

STA 72+00 RN, 32'RT
INLETS 4-H (2-23)

SLOPE INTERCEPT

STA 63+43 RS, 1.5'RT
INLETS 2X3-H (2-2)

STA 63+45 RN, 1.5'LT
INLETS 2X3-H (2-3)

STA 63+45 RN, 28.5'RT
INLETS 2X3-H (2-3A)

STA 63+50 RN, 54'RT
APRON ENDWALLS FOR CPRC 18-INCH (2-4)

SLOPE INTERCEPT

EXISTING PIPE TO REMAIN

STA 68+80 RN, 71.5'RT
APRON ENDWALLS FOR CPRC 18-INCH (2-13)

STA 10+80 PS, 26.5'RT
CATCH BASINS 2X3-H (2-19)

PALACE STREET 12PS

STA 70+90 RN, 51.5'RT
INLETS 4-H (2-21)

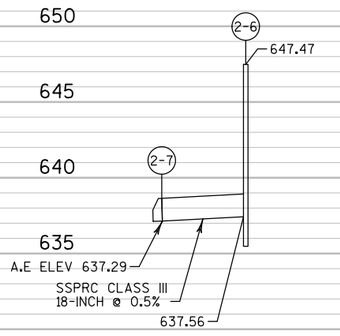
STA 10+90 PS, 16.5'LT
INLETS 4-H (2-20)

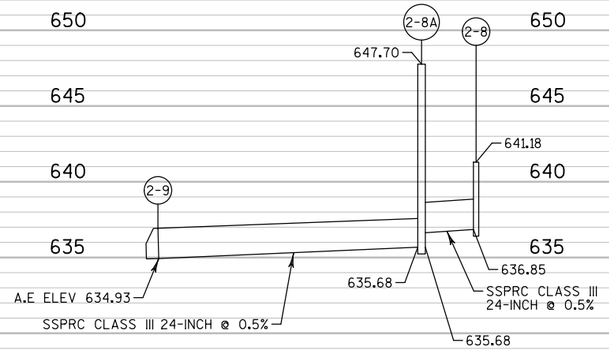
STA 75+00 RN, 1.5'LT
INLETS 2X3-H (2-33)

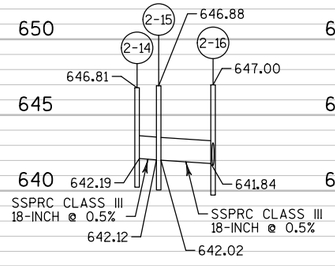
STA 75+00 RN, 28.5'RT
CATCH BASINS 2X3-H (2-32)

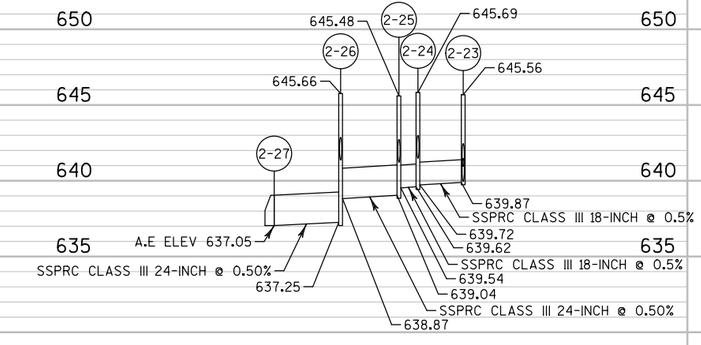
R/L PALACE STREET

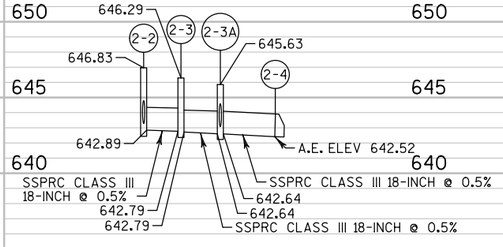
N

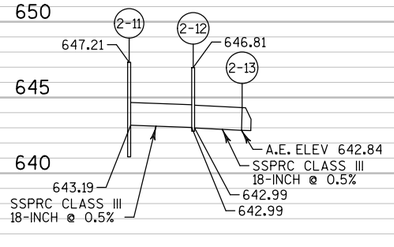


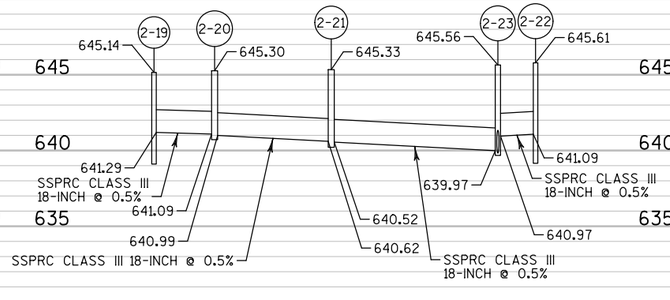


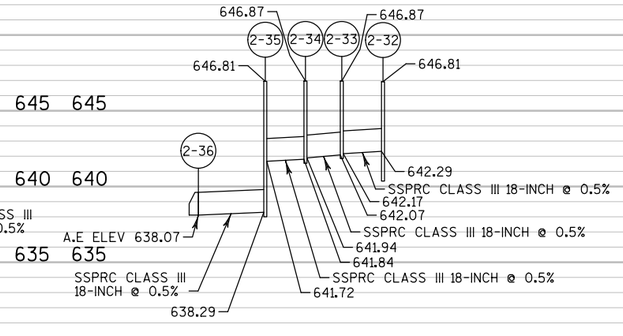




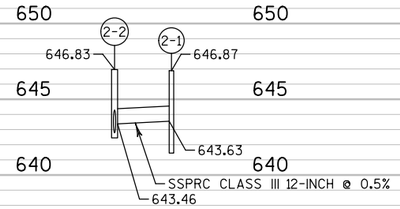


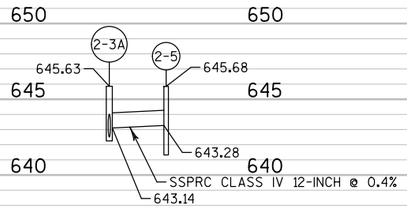


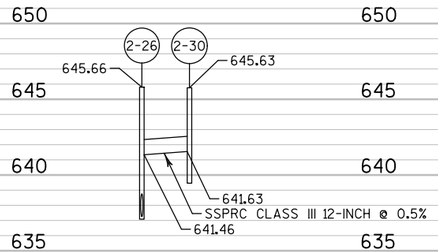


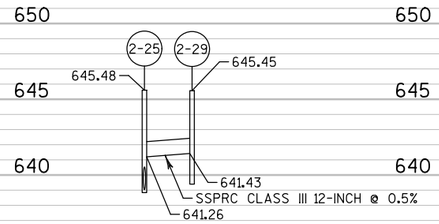


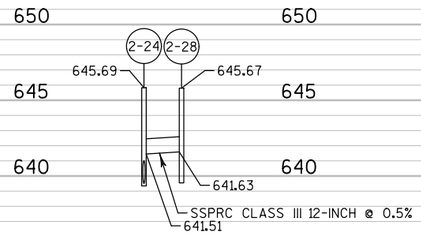
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - USH 53	SHEET 143	E

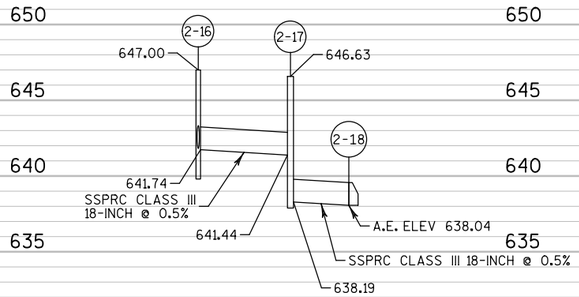






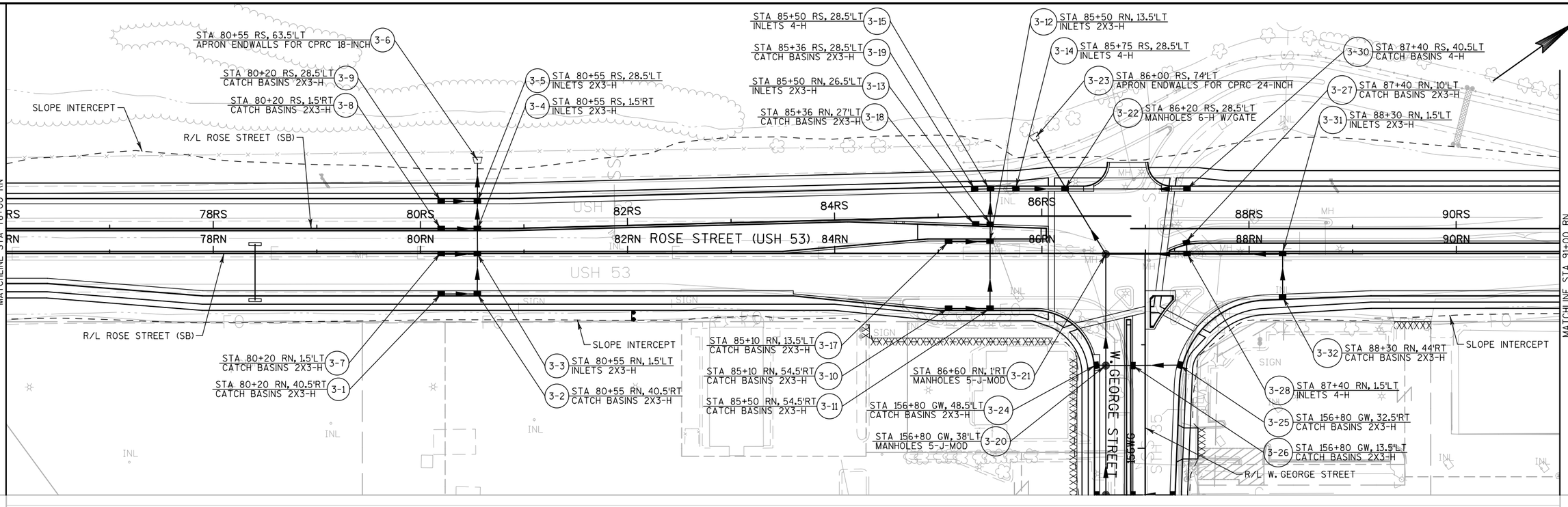


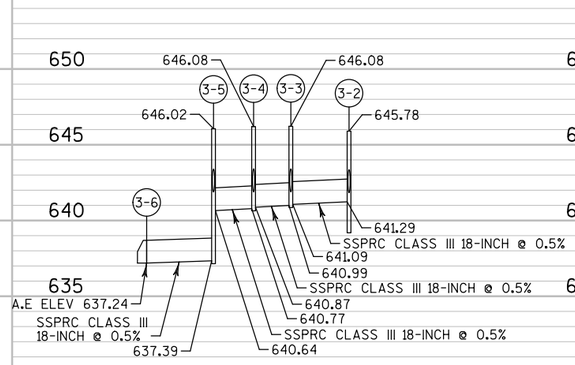


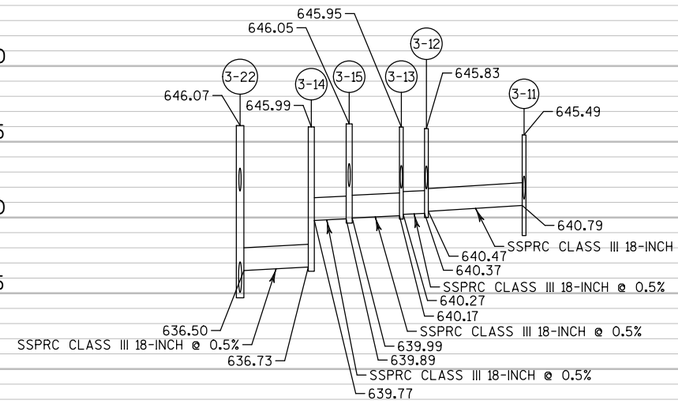


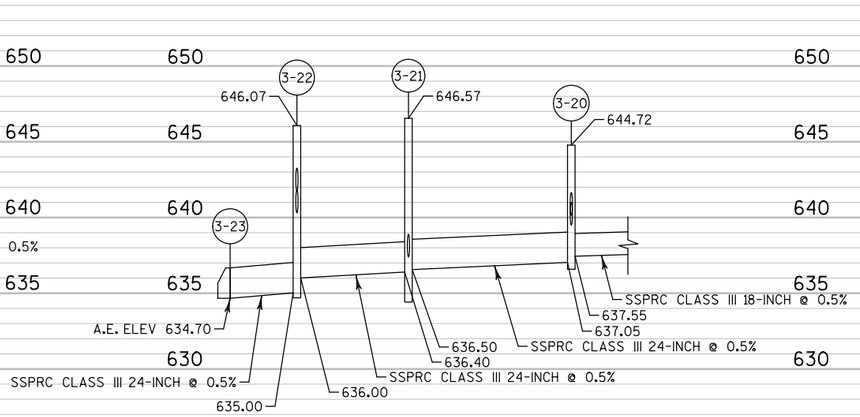
2

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	STORM SEWER - USH 53	SHEET 144	E

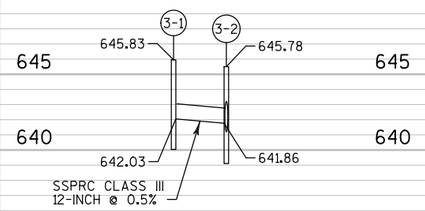


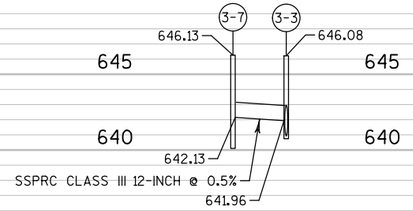


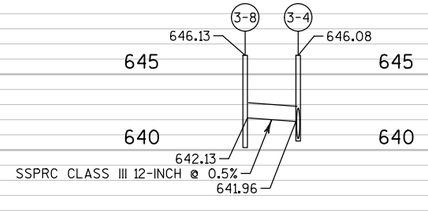


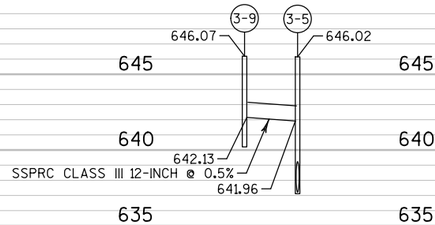


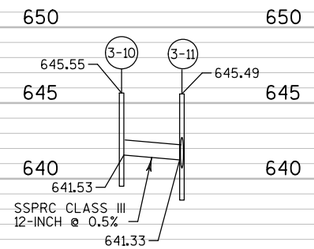
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - USH 53	SHEET 145	E

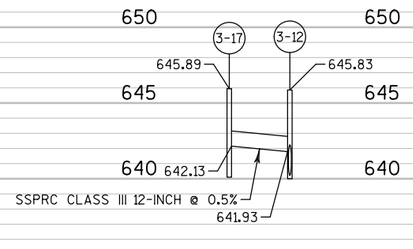


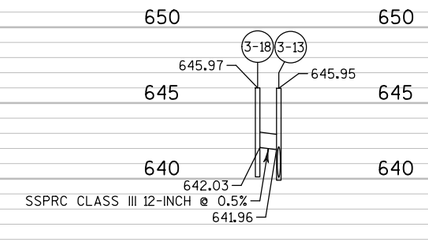


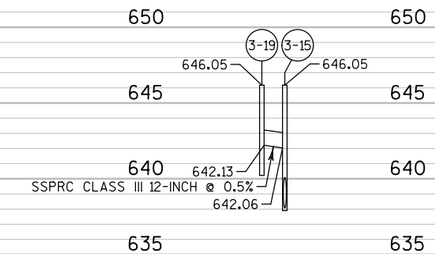


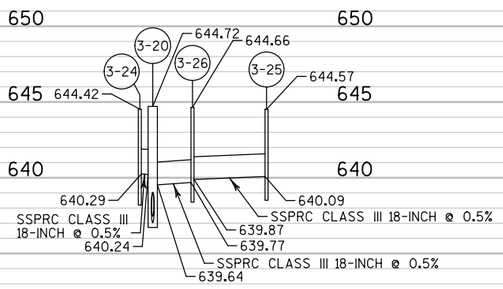


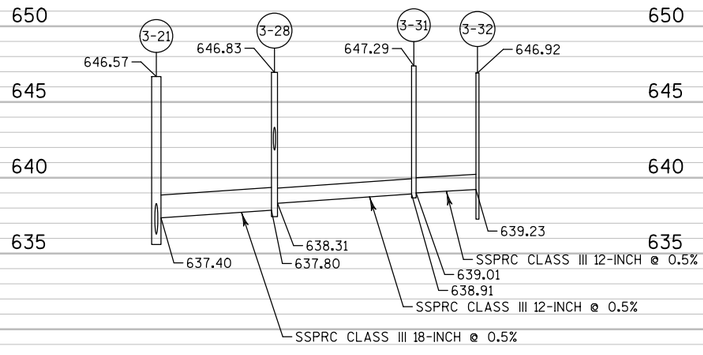


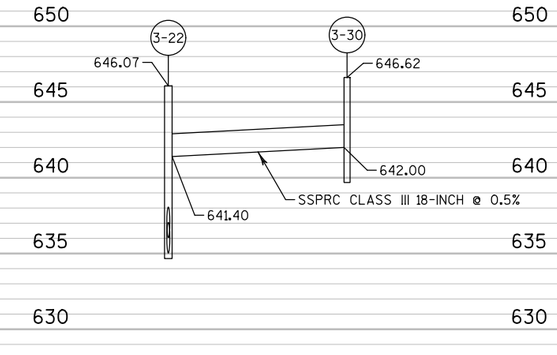


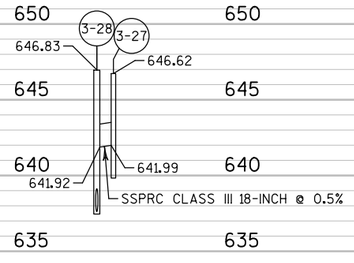








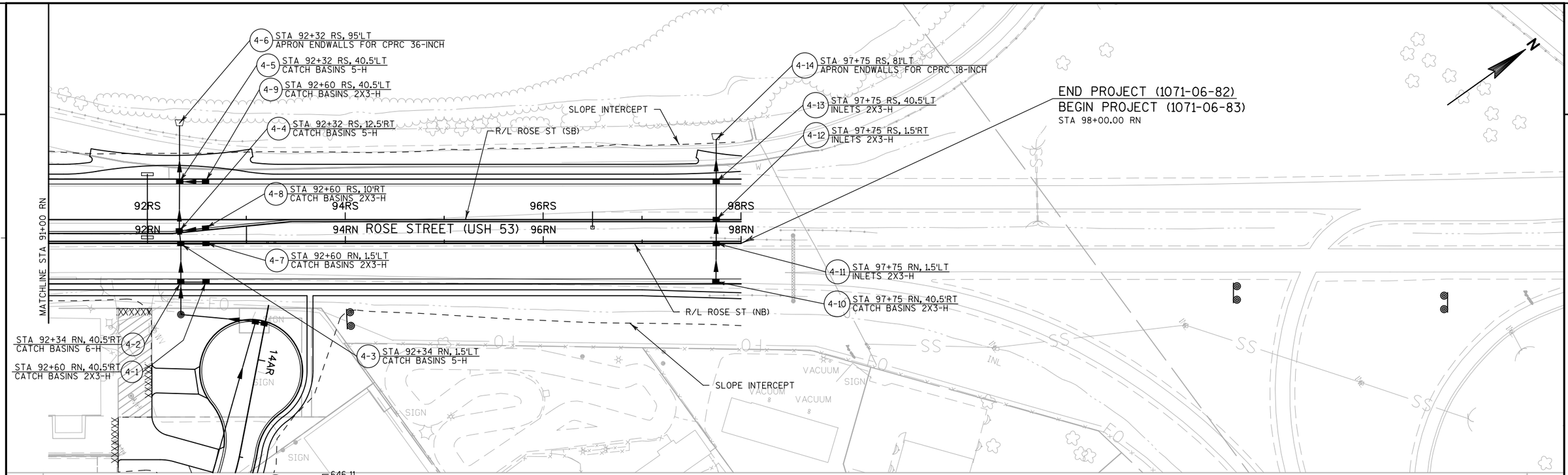


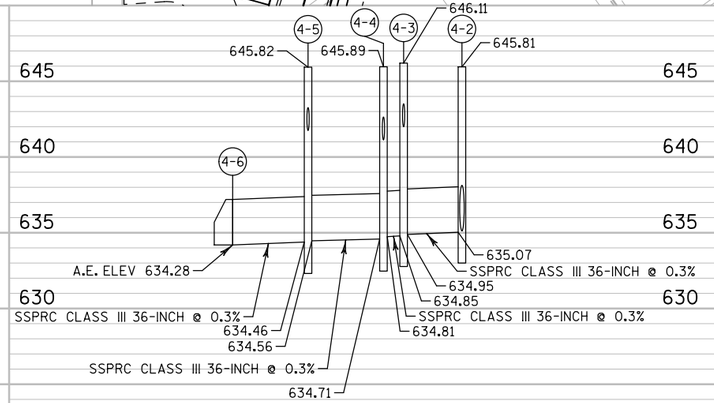


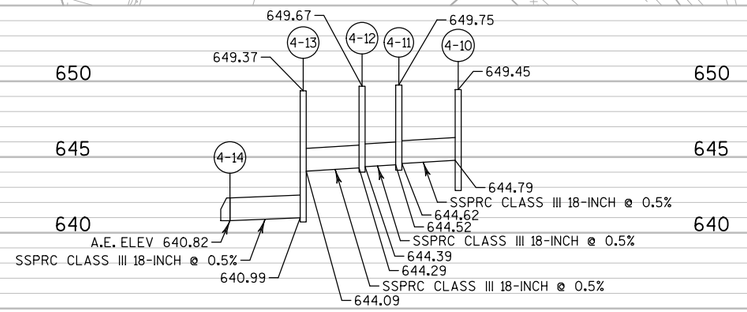
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	STORM SEWER - USH 53	SHEET 146	E

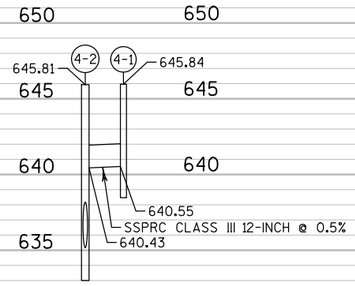
FILE NAME : ch_0682_022503A_ss.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

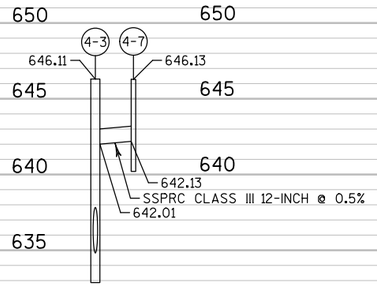
WISDOT/CADDS SHEET 41

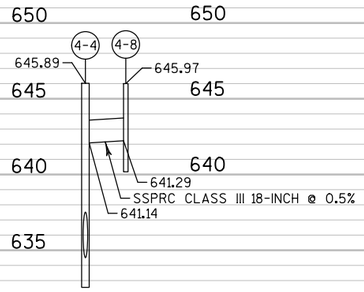


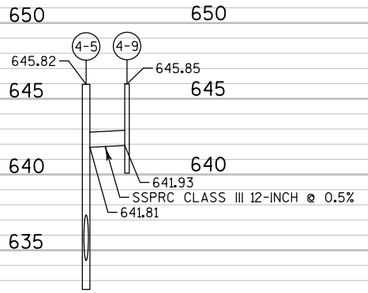




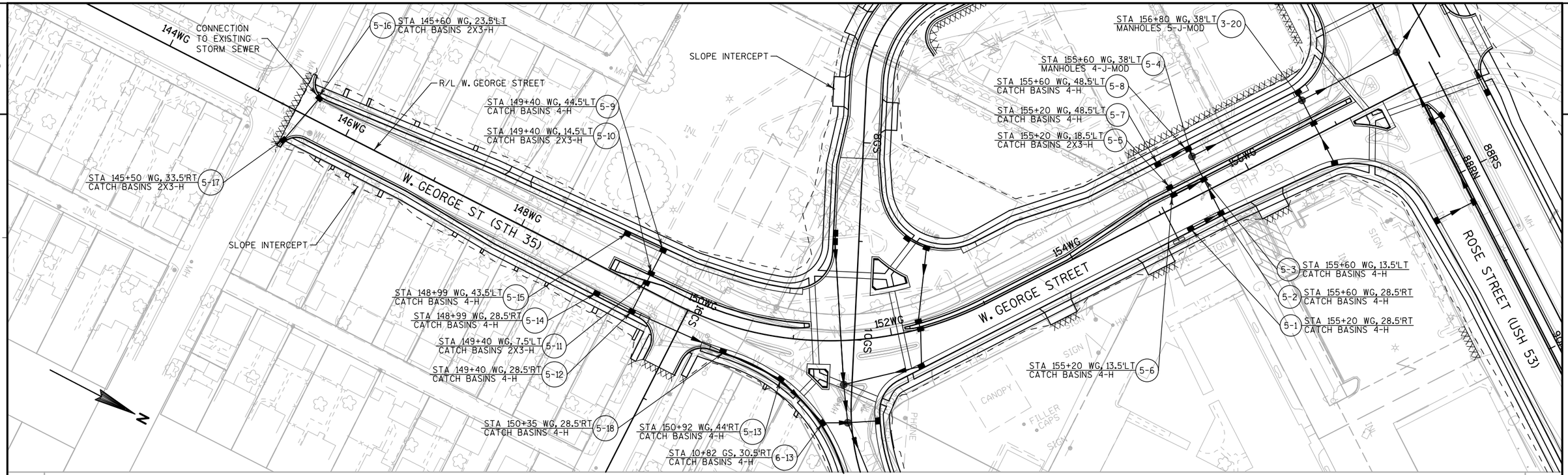


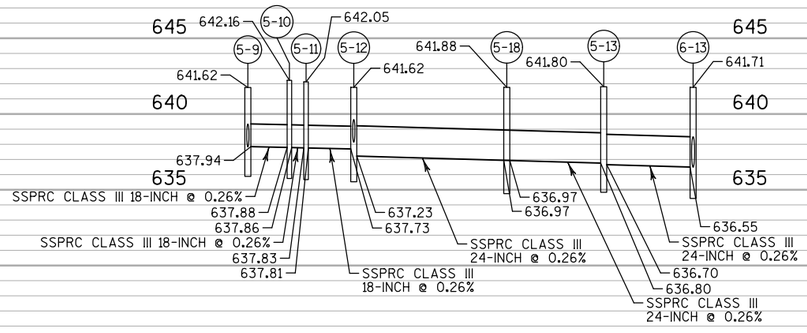


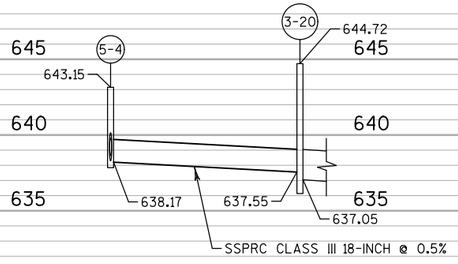


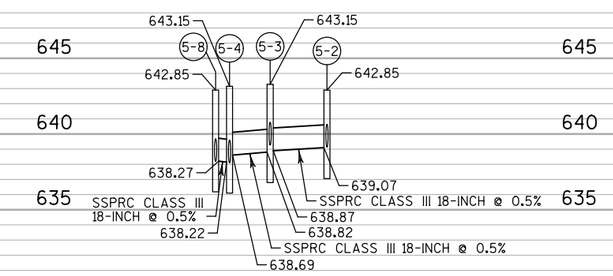


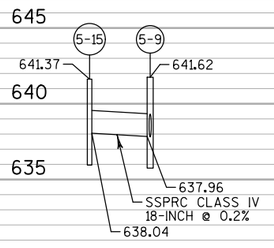
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - USH 53	SHEET 147	E

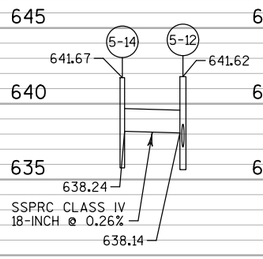


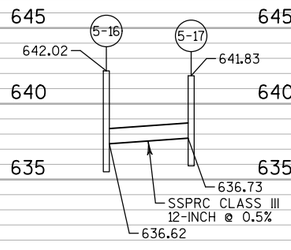


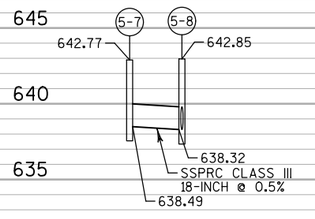


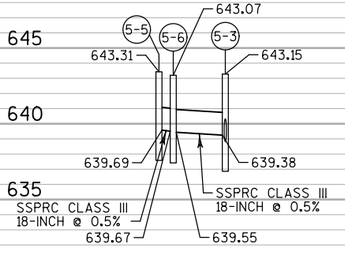


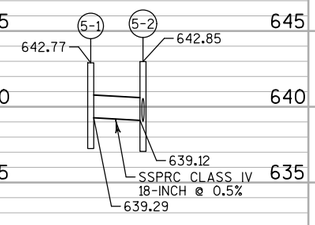




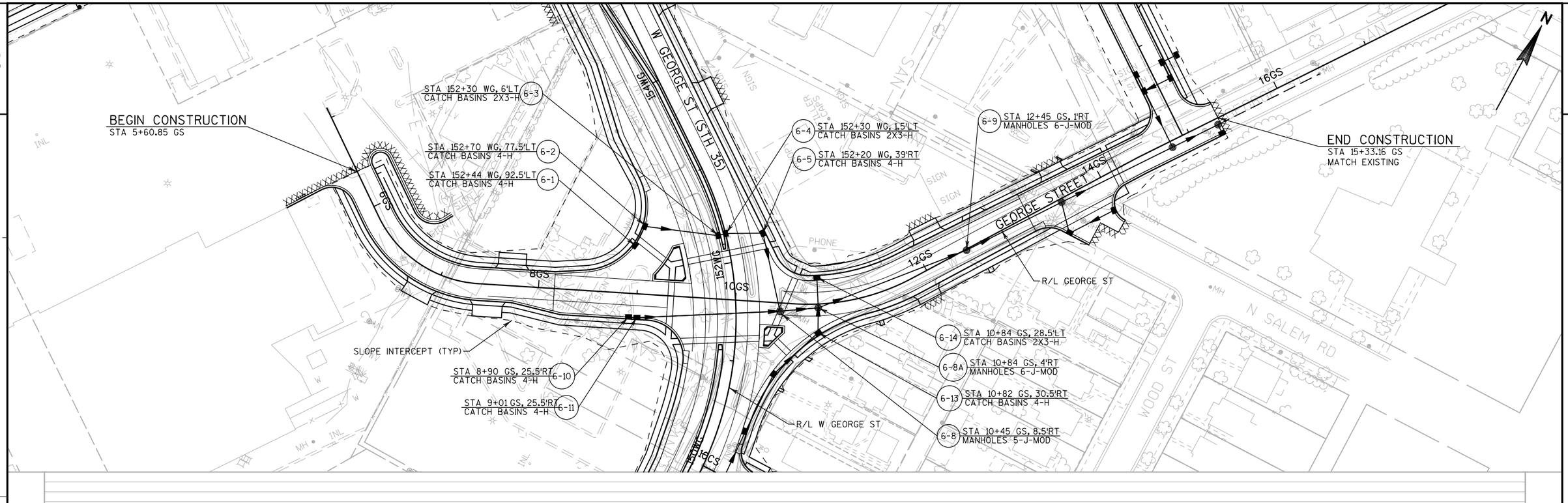


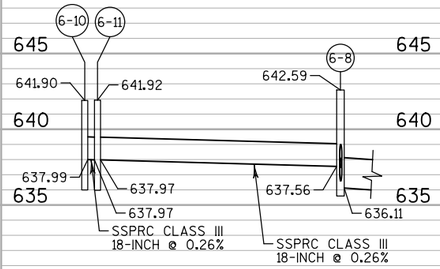


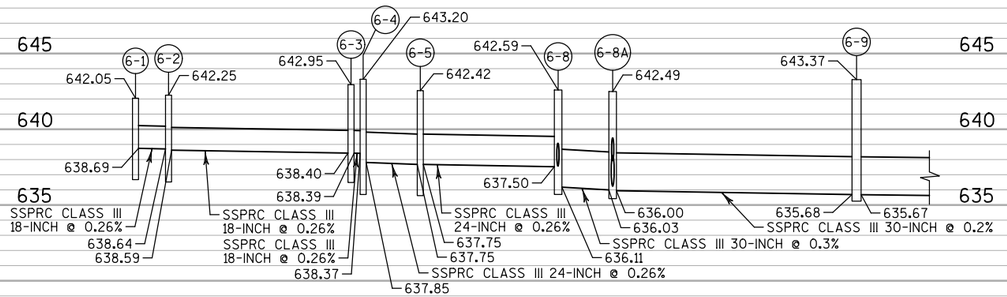


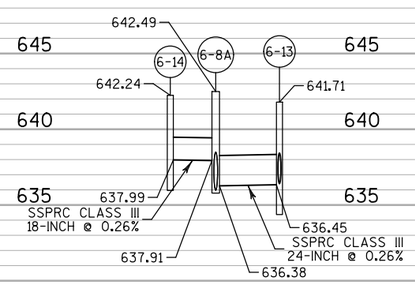


PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - W. GEORGE STREET	SHEET 148	E

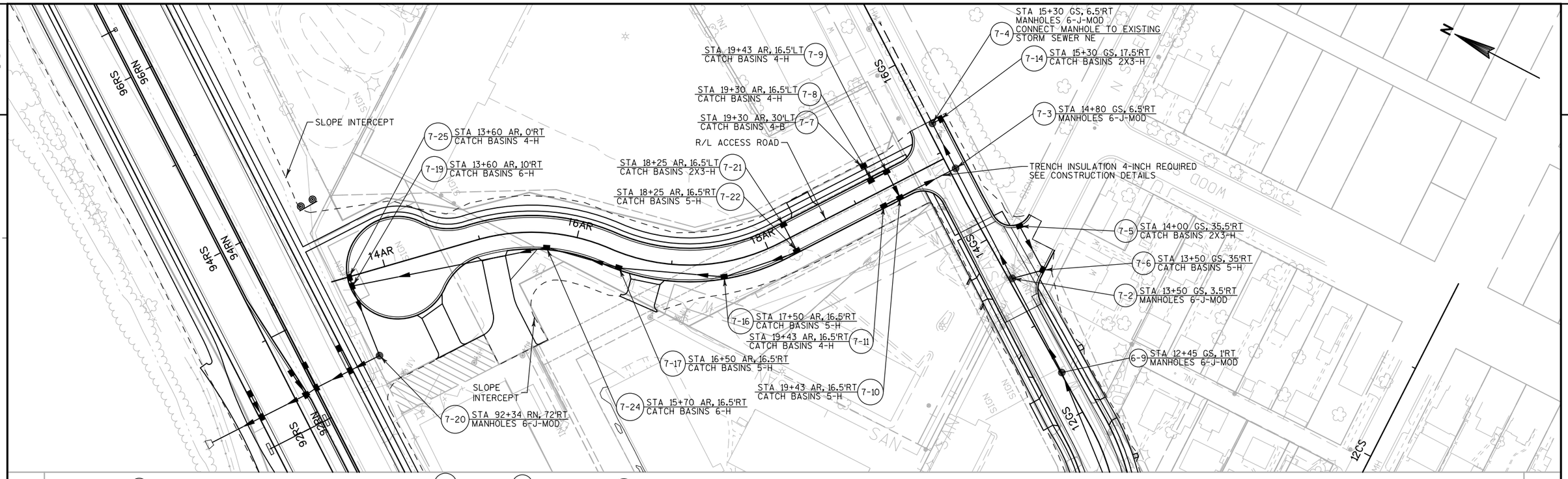


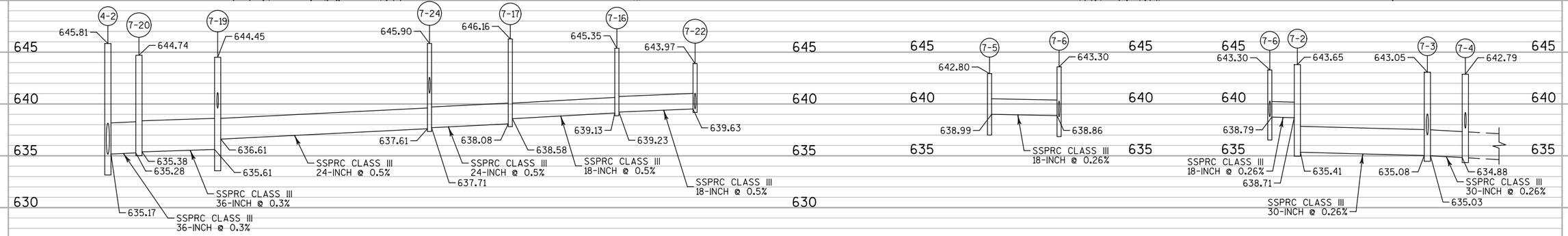


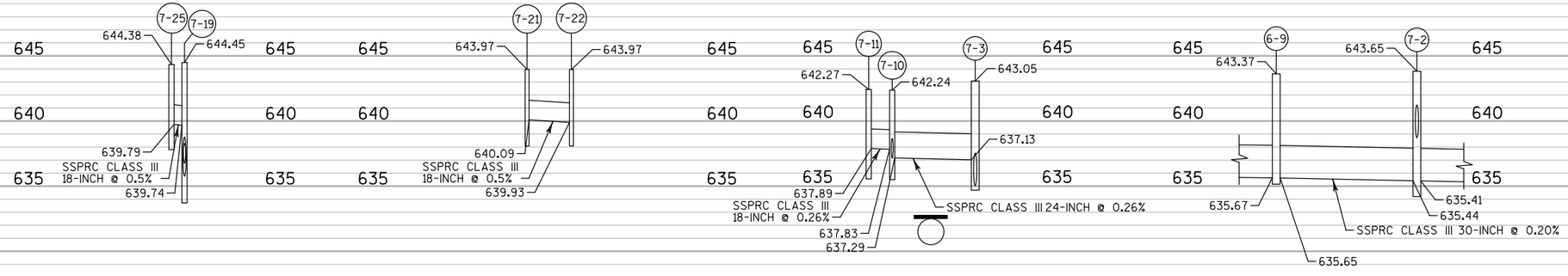




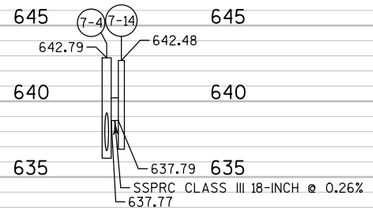
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER: GEORGE STREET	SHEET 149 E

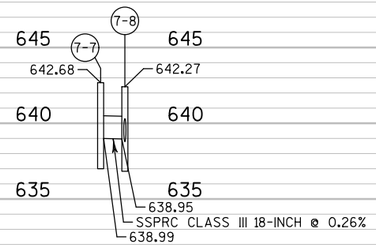


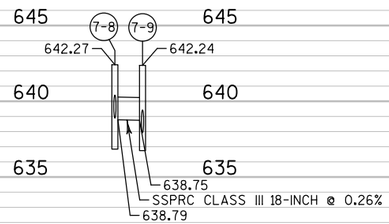


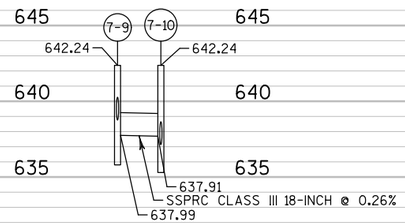


PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	STORM SEWER - ACCESS ROAD	SHEET 150	E









2

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	STORM SEWER - USH 53	SHEET 151	E

STA 100+46 RS, 225.2' LT
APRON ENDWALLS FOR CPRC 54-INCH
AE Z1

STA 189+25 E, 51.0' RT
APRON ENDWALLS FOR CPRC 24-INCH
AE 02

STA 103+50 RS, 89.0' LT
APRON ENDWALLS FOR CPRC 18-INCH
AE A1

STA 103+50 RS, 45.0' LT
INLETS 2X3-H
A2

STA 102+64 RS, 79.5' LT
MANHOLES 8-J-MOD
Z2

STA 103+50 RS, 1.5' RT
INLETS 2X3-H
A3

STA 103+36 RN, 1.5' LT
CATCH BASINS 2X3-H
A4

STA 103+36 RN, 27.5' RT
CATCH BASINS 2X3-H
A5

STA 189+42 FA, 1.5' RT
CATCH BASINS 2X3-H
N3

STA 189+51 F, 53.0' RT
APRON ENDWALLS FOR CPRC 24-INCH
AE N1

STA 190+38 F, 28.5' LT
INLETS 4-H
N2

STA 187+14 F, 28.5' LT
CATCH BASINS 2X3-H
R3

STA 187+14 F, 1.5' RT
CATCH BASINS 2X3-H
R2

STA 187+14 F, 66.5' RT
APRON ENDWALLS FOR CPRC 12-INCH
AE R1

STA 102+60 RN, 157.1' RT
APRON ENDWALLS FOR CPRC 54-INCH
AE Z3

STA 189+63 E, 52.8' LT
APRON ENDWALLS FOR CPRC 24-INCH
AE 01

STA 189+76 E, 58.5' LT
APRON ENDWALLS FOR CPRC 15-INCH
AE S1

STA 189+71 E, 1.4' RT
CATCH BASINS 2X3-H
S2

STA 107+79 RS, 13.5' RT
CATCH BASINS 2X3-H
B3

STA 107+65 RN, 1.5' LT
INLETS 2X3-H
B2

STA 107+65 RN, 28.5' RT
INLETS 2X3-H
B1

STA 190+90 F, 78.0' LT
APRON ENDWALLS FOR CPRC 24-INCH
AE N4

STA 107+79 RS, 40.5' LT
CATCH BASINS 2X3-H
B4

STA 107+65 RN, 63.0' RT
APRON ENDWALLS FOR CPRC 18-INCH
AE B

STA 109+84 RS, 40.5' LT
CATCH BASINS 2X3-H
C8

STA 109+94 RS, 40.5' LT
CATCH BASINS 2X3-H
C7

STA 109+94 RS, 1.5' RT
INLETS 4-H
C5

STA 109+98 RN, 1.5' LT
CATCH BASINS 2X3-H
C15

STA 110+08 RN, 1.5' LT
CATCH BASINS 2X3-H
C14

STA 112+15 RS, 1.5' R
INLETS 4-H
C4

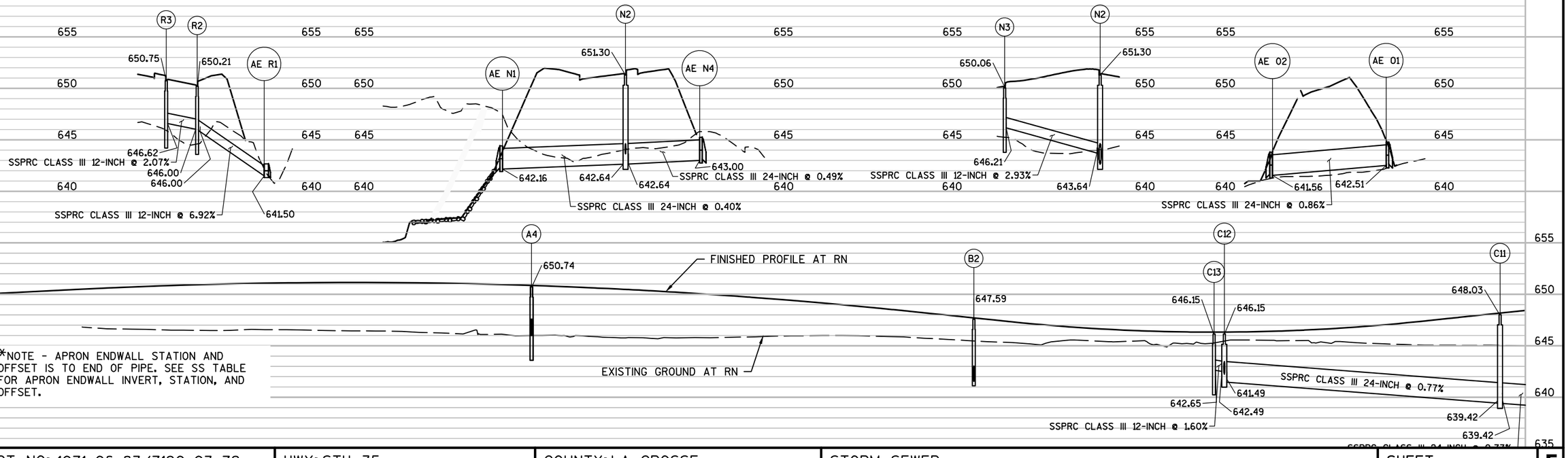
STA 112+75 RN, 28.0' RT
INLETS 4-H
C11

STA 109+84 RS, 1.5' RT
CATCH BASINS 2X3-H
C6

STA 110+08 RN, 28.5' RT
INLETS 4-H
C12

STA 109+98 RN, 28.5' RT
CATCH BASINS 2X3-H
C13

ROSE STREET
F RAMP
FA RAMP
190 EAST BOUND
190 WEST BOUND
100RS 102RS 104RS 106RS 108RS 110RS 112RS
100RN 102RN 104RN 106RN 108RN 110RN 112RN
184F 186F 188F 190F 192F
188E 190E 192H 194H 196H



*NOTE - APRON ENDWALL STATION AND OFFSET IS TO END OF PIPE. SEE SS TABLE FOR APRON ENDWALL INVERT, STATION, AND OFFSET.

WISCONSIN
BRIAN D. LAMBERT
E-40437
EAU CLAIRE
WI
PROFESSIONAL ENGINEER

PROJECT NO: 1071-06-83/7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	STORM SEWER	SHEET 152 E

2

AE C STA 197+50 H, 79.0' LT
APRON ENDWALLS FOR CPRC 36-INCH

198H

H RAMP

299H

C1 STA 197+37 H, 82.4' RT
INLETS MEDIAN 2G-MS

AE E1 STA 200+34 H, 44.6' RT
APRON ENDWALLS FOR CPRC 15-INCH

C2 STA 114+44 RS, 40.5' LT
INLETS 5-H

E2 STA 200+85 H, 26.4' RT
CATCH BASINS 2X3-H

C3 STA 114+44 RS, 1.5' RT
INLETS 6-H

F4 STA 120+14 RS, 54.5' LT
CATCH BASINS 2X3-H

F3 STA 120+14 RS, 1.5' RT
CATCH BASINS 2X3-H

STA 123+64 RS, 40.5' LT
CATCH BASINS 2X3-H G8

G3 STA 123+54 RS, 1.5' RT
INLETS 2X3-H

STA 123+54 RS, 40.5' LT
CATCH BASINS 2X3-H G4

G7 STA 123+64 RS, 1.5' RT
CATCH BASINS 2X3-H

STA 126+74 RS, 1.5' RT
CATCH BASINS 2X3-H H3

H4 STA 126+74 RS, 40.5' LT
CATCH BASINS 2X3-H

ROSE STREET

114RS 116RS 118RS 120RS 122RS 124RS 126RS 128RS

114RN 116RN 118RN 120RN 122RN 124RN 126RN 128RN

C9 STA 114+30 RN, 13.5' LT
INLETS 2X3-H

C10 STA 114+30 RN, 28.5' RT
INLETS 4-H

200G

G RAMP

STA 120+00 RN, 75.8' RT
APRON ENDWALLS FOR CPRC 15-INCH AE F

F2 STA 120+00 RN, 1.5' LT
INLETS 2X3-H

STA 123+40 RN, 1.5' LT
INLETS 2X3-H G2

G6 STA 123+50 RN, 1.5' LT
CATCH BASINS 2X3-H

H2 STA 126+60 RN, 13.5' LT
INLETS 2X3-H

G5 STA 123+50 RN, 28.5' RT
CATCH BASINS 2X3-H

F1 STA 120+00 RN, 28.5' RT
INLETS 2X3-H

G1 STA 123+40 RN, 28.5' RT
INLETS 2X3-H

AE C16 STA 114+30 RN, 82.7' RT
APRON ENDWALLS FOR CPRC 24-INCH

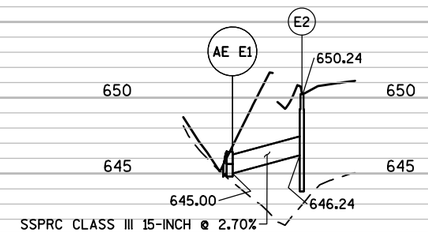
STA 126+60 RN, 28.5' RT
INLETS 2X3-H H1

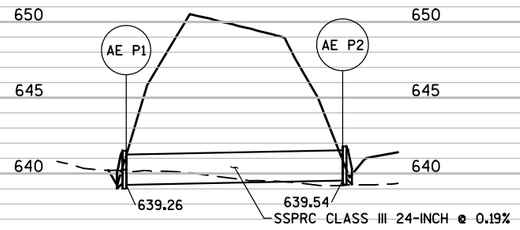
STA 200+75 G, 69.7' RT
APRON ENDWALLS FOR CPRC 24-INCH AE P1

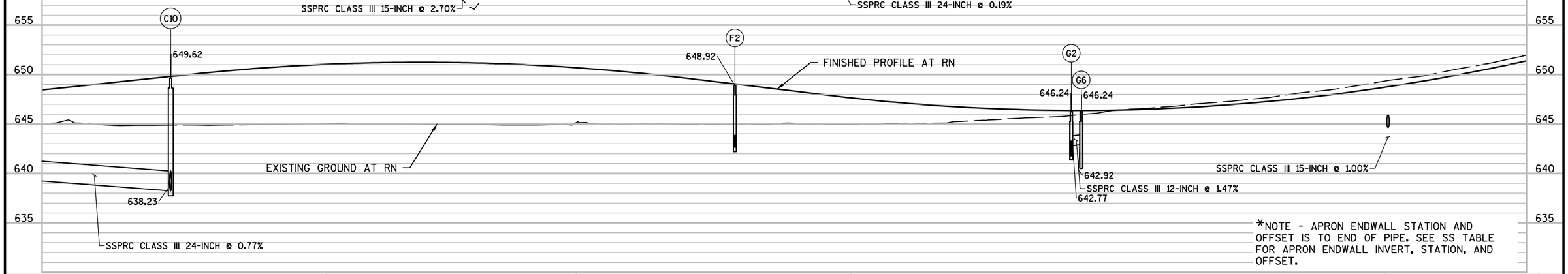
AE P2 STA 200+75 G, 73.8' LT
APRON ENDWALLS FOR CPRC 24-INCH

STA 123+40 RN, 62.1' RT
APRON ENDWALLS FOR CPRC 24-INCH AE G

STA 126+60 RN, 107.2' RT
APRON ENDWALLS FOR CPRC 18-INCH AE H







*NOTE - APRON ENDWALL STATION AND OFFSET IS TO END OF PIPE. SEE SS TABLE FOR APRON ENDWALL INVERT, STATION, AND OFFSET.

PROJECT NO: 1071-06-83/7190-03-72	HWY: STH35	COUNTY: LA CROSSE	STORM SEWER	SHEET 153	E

2

I4 STA 129+44 RS, 43.0' LT
CATCH BASINS 2X3-H

I3 STA 129+44 RS, 1.5' RT
CATCH BASINS 2X3-H

J4 STA 132+44 RS, 37.2' LT
CATCH BASINS 2X3-H

J3 STA 132+44 RS, 1.5' RT
CATCH BASINS 2X3-H

128RS
128RN
130RS
130RN
ROSE STREET
132RS
132RN
134RS
134RN
136RS
136RN
138RS
138RN
140RS
140RN
142RS
142RN

I2 STA 129+30 INLETS 4-H, 1.5' LT
INLETS 4-H

I1 STA 129+30 RN, 28.5' RT
INLETS 2X3-H

J2 STA 132+30 RN, 1.5' LT
INLETS 4-H

AE I * STA 129+04 APRON ENDWALLS FOR CPRC 24-INCH, 81.2' RT
APRON ENDWALLS FOR CPRC 24-INCH

J1 STA 132+30 CATCH BASINS 2X3-H, 28.5' RT
CATCH BASINS 2X3-H

REMOVE STORM SEWER PLUG
CONNECT TO EXISTING STORM SEWER

J5 STA 135+00 RN, 2.0' LT
INLETS 4-H

CONNECT TO EXISTING INLET
RECONSTRUCTING INLETS (2G-MS)
STA 140+55 RN, 14.0' LT

K2 STA 140+39 RN, 3.4' LT
INLETS 4-H

K1 STA 140+39 RN, 28.5' RT
INLETS 2X3-H

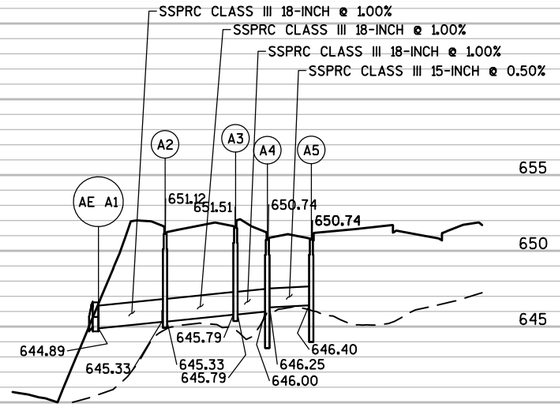
STA 140+39 RN, 87.4' RT
APRON ENDWALLS FOR CPRC 18-INCH AE K *

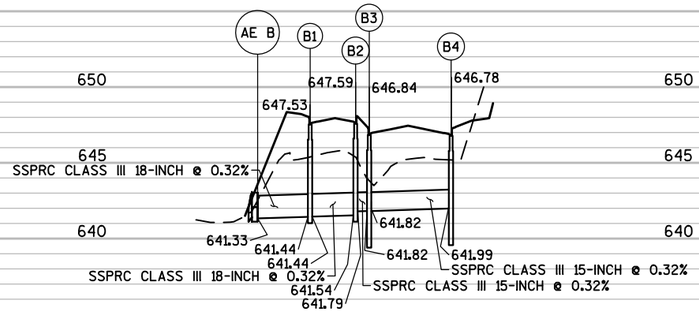
*NOTE - APRON ENDWALL STATION AND OFFSET IS TO END OF PIPE. SEE SS TABLE FOR APRON ENDWALL INVERT, STATION, AND OFFSET.

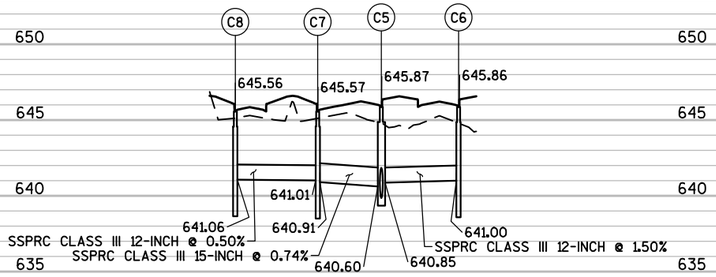
685
680
675
670
665
660
655
650
645

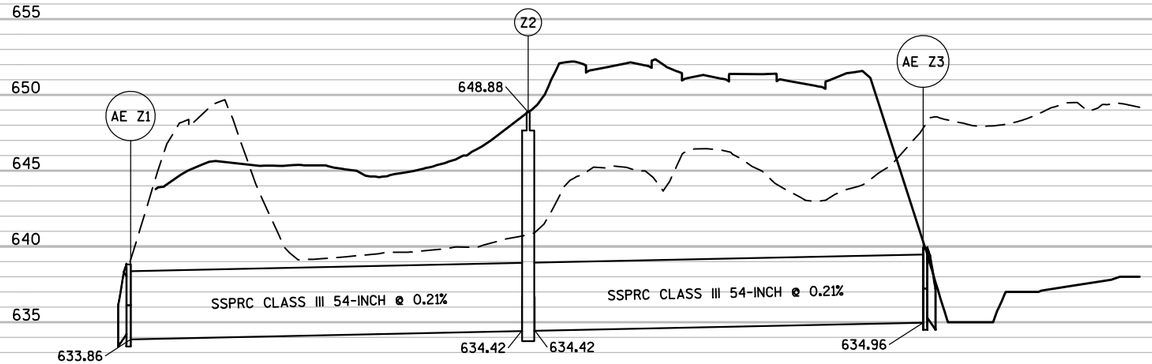
K2
676.52
FINISHED PROFILE AT RN
J5
669.80
J2
662.63
665.00
SSPRC CLASS III 24-INCH @ 3.21%
I2
654.53
SSPRC CLASS III 24-INCH @ 2.72%
656.33
656.33
648.18
EXISTING GROUND AT RN

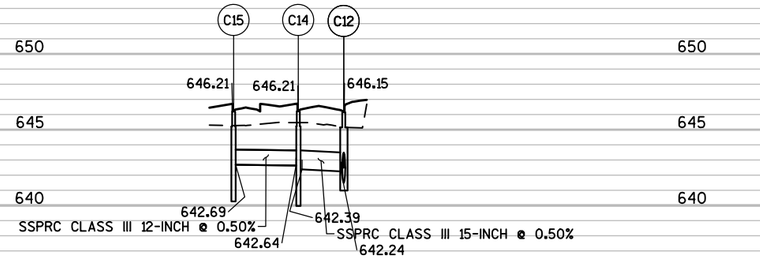
PROJECT NO: 1071-06-83/7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	STORM SEWER	SHEET 154	E

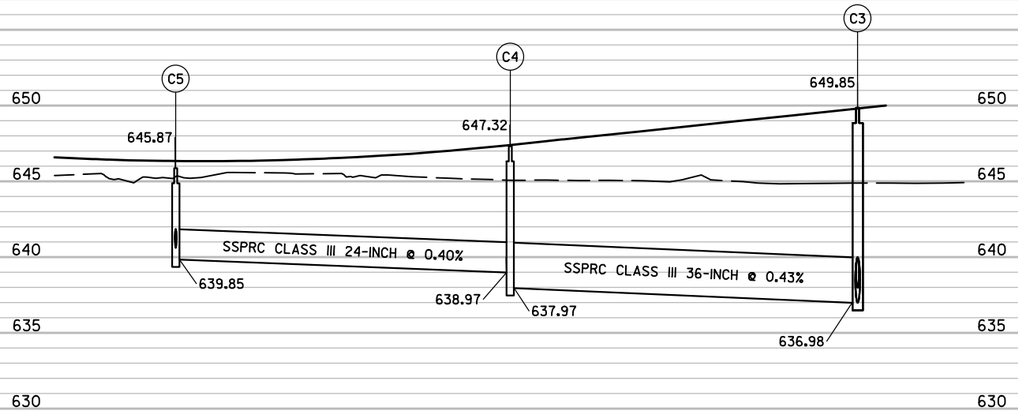


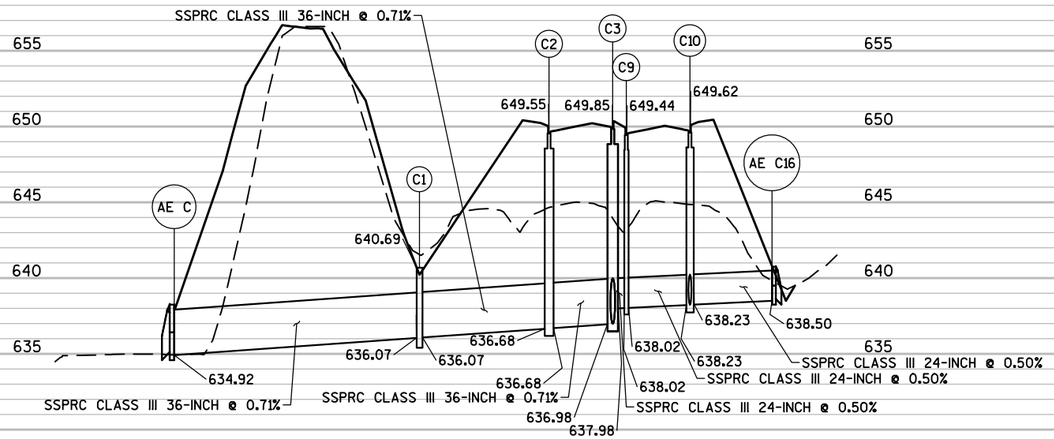




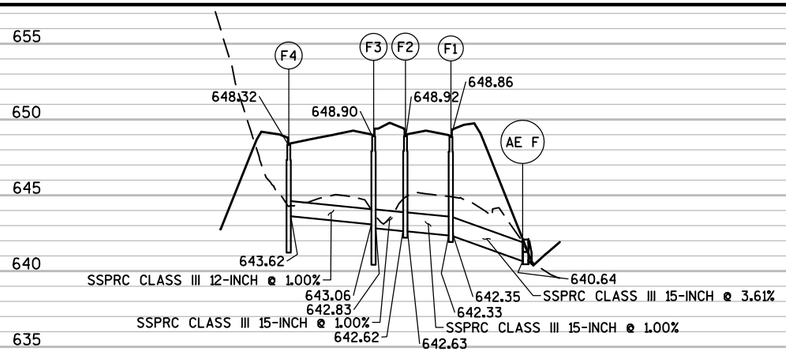


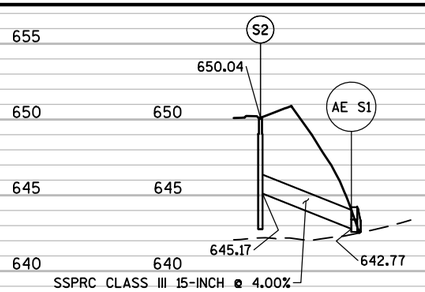


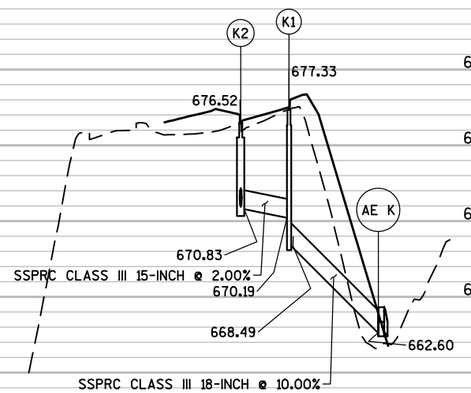


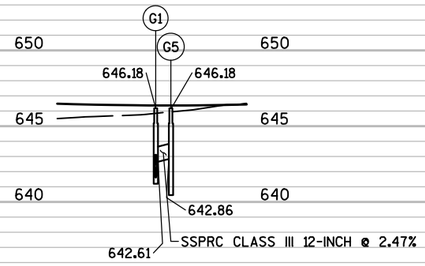


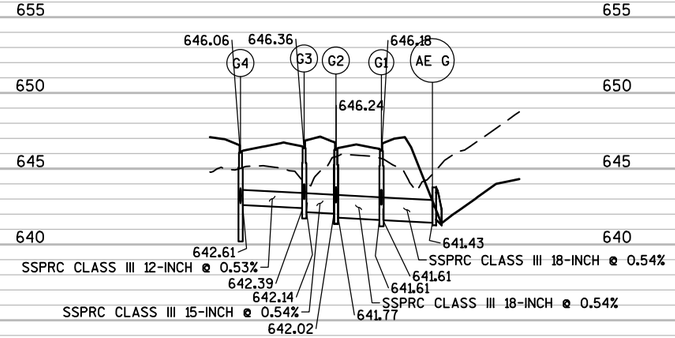
PROJECT NO: 1071-06-83/7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	STORM SEWER	SHEET 155	E

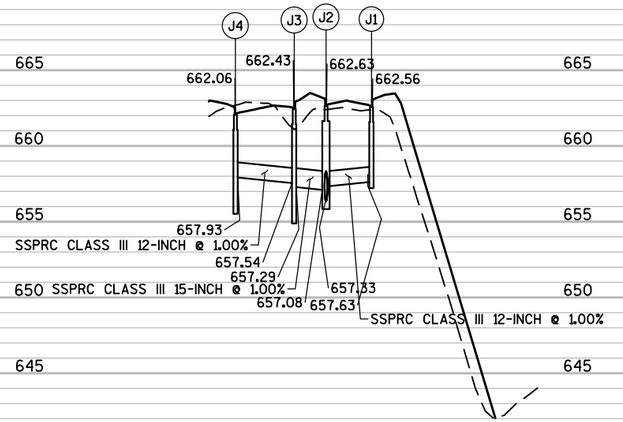


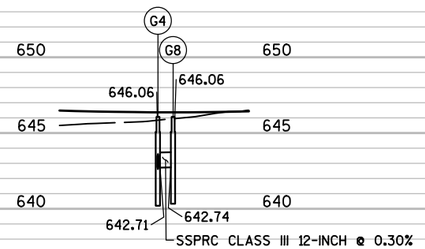


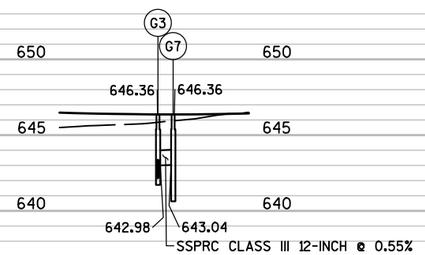


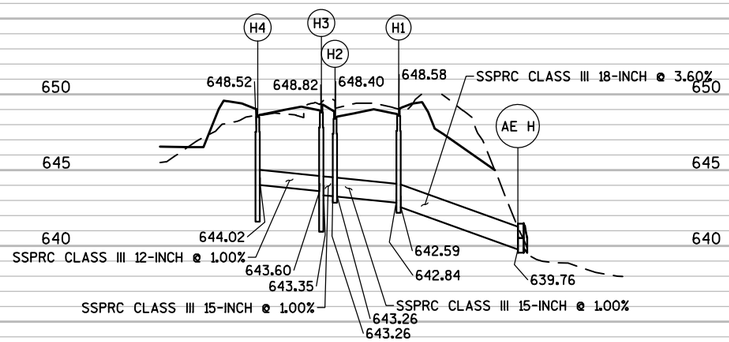


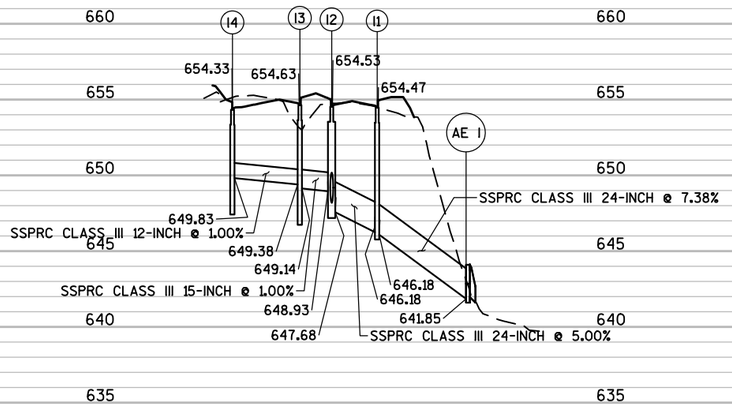












PROJECT NO: 1071-06-83/7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	STORM SEWER	SHEET 156	E

2

2

STA 187+23 EW, 47.0' RT T3.1

T3 STA 187+27 EW, 47.4' LT

188E

188EW

E RAMP

190E

192H

194H

196H

H RAMP

N

STA 101+13 RS, 0.8' RT T1.3
CONNECT TO EX SS
CONC COLLAR REQ'D

STA 101+00 RS, 11.0' RT T1.1

T1.2 STA 101+50 RS, 12.7' RT

100RS 102RS 104RS 106RS ROSE STREET 108RS 110RS 112RS

100RN 102RN 104RN 106RN 108RN 110RN 112RN

STA 101+14 RS, 11.3' RT T1
MANHOLES 4-TEMP COVER PLATE

T2.1 STA 103+72 FY, 38.0' LT

FX 184F 100FX 186F

STA 103+63 FY, 41.1' RT T14

F RAMP 188F

STA 103+72 FY, 44.7' RT T14.1
CONNECT TO EXISTING INLET

104FX

STA 100+60 FX, 33.6' RT T13
INLETS MEDIAN 2G-MS
CONNECT TO EX SS

STA 102+50 FX, 48.5' LT T12

102FX

190F

STA 102+00 FX, 25.0' RT T12.1

STA 103+72 FY, 22.0' RT T2

190 EAST BOUND

190 WEST BOUND

SIGN

VACUUM

636.00

202HX

200HX

204HX

206HX

196H

H RAMP

200H

T8.1 STA 204+94 HX, 26.4' LT

T18 STA 205+70 HX, 7.7' LT
CONNECT EX SS
CONC COLLAR REQ'D

STA 205+51 HX, 35.8' RT T8

STA 205+63 HX, 35.2' RT T18.1

T9.3 STA 124+75 RS, 12.4' RT
DEFLECTION

STA 123+20 RS, 7.8' RT
MANHOLES 4-TEMP COVER PLATE T9

T9.3X STA 125+14 RS, 13.5' RT

T7.2 STA 118+50 RS, 9.5' RT

STA 122+27 RS, 7.9' RT T9.4

208HX

STA 117+99 RS, 9.4' RT T7.1

ROSE STREET

114RS 116RS 118RS 120RS 122RS 124RS 126RS 128RS

114RN 116RN 118RN 120RN 122RN 124RN 126RN 128RN

T7 STA 118+16 RS, 13.8' RT
MANHOLES 4-TEMP COVER PLATE
CONNECT TO EX SS

200G

G RAMP

639.41

T9.1 STA 123+20 RS, 17.4' RT
CONNECT TO EX SS
CONC COLLAR REQ'D

STA 122+74 RN, 99.5' RT T9.2

STA 203+50 GZ, 26.0' RT T15.1

204GZ

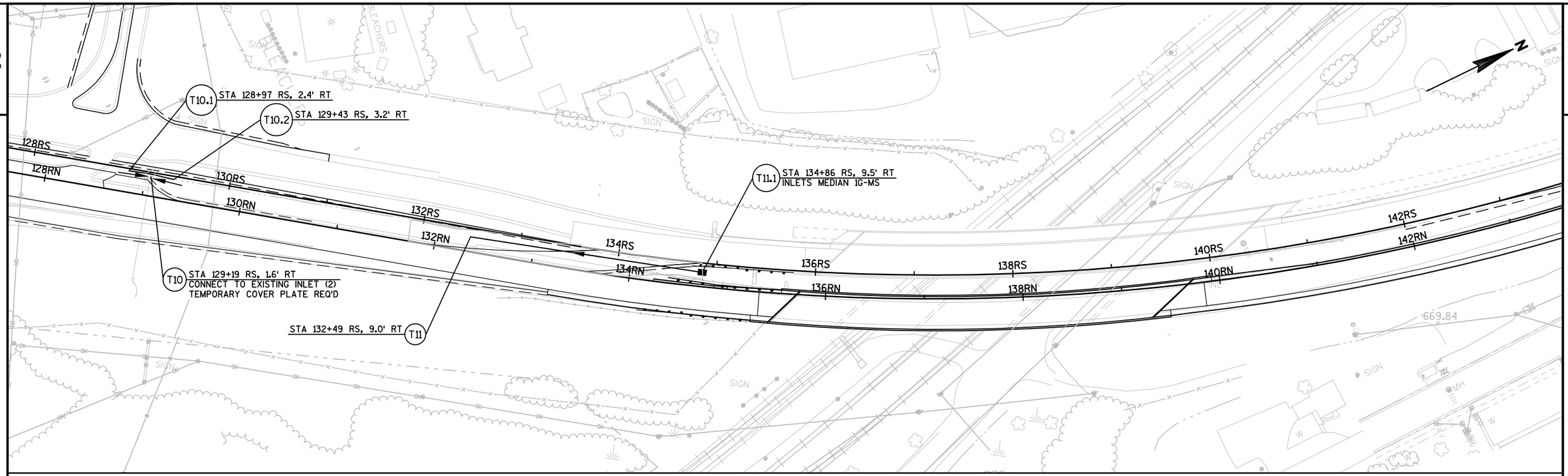
T15 STA 203+50 GZ, 50.0' LT
INLETS MEDIAN 1G-MS

PROJECT NO:1071-06-83/7190-03-72	HWY: STH 35	COUNTY:LA CROSSE	TEMPORARY STORM SEWER - STAGE 1A/1B	SHEET 157 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\022501-SS TEMP (GREEN).DWG
LAYOUT NAME - TEMP SS 1A 1B

PLOT DATE : 9/27/2016 9:28 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41



PROJECT NO:1071-06-83/7190-03-72	HWY:STH 35	COUNTY:LA CROSSE	TEMPORARY STORM SEWER - STAGE 1A/1B	SHEET 158	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\022501-SS TEMP (GREEN).DWG
LAYOUT NAME - TEMP SS 1A 1B

PLOT DATE : 9/27/2016 9:29 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41

2

2

N

188E

188EW

E RAMP

190E

192H

194H

H RAMP

196H

198HX

200HX

202HX

204HX

206HX

208HX

H RAMP

200H

T16 STA 103+42 FY, 53.3' LT
CONNECT TO INLET A5

T16.1 STA 103+74 FY, 43.3' LT
INLETS MEDIAN 1G-MS

T16.2 STA 104+58 FY, 2.3' RT

STA 108+02 RN, 55.8' RT T4
CONNECT EX SS
CONC COLLAR REQ'D

STA 108+03 RN, 70.1' RT T4.1

STA 113+03 RN, 62.0' RT T5
CONNECT TO EX SS
CONC COLLAR REQ'D

STA 113+12 RN, 72.0' RT T5.1

ROSE STREET

100RS 102RS 104RS 106RS 108RS 110RS 112RS

100RN 102RN 104RN 106RN 108RN 110RN 112RN

114RS 116RS 118RS 120RS 122RS 124RS 126RS 128RS

114RN 116RN 118RN 120RN 122RN 124RN 126RN 128RN

184F 186F 188F 190F

100FX 102FX 104FX

F RAMP

190 EAST BOUND

190 WEST BOUND

STA 116+36 RN, 79.0' RT T6.1
CONNECT TO EX SS
CONC COLLAR REQ'D

STA 116+43 RN, 100.1' RT T6

STA 118+02 RN, 75.6' RT T7.3
CONNECT EX SS CONC COLLAR REQ'D

T7.4 STA 118+02 RN, 89.5' RT

G RAMP

200G

204GZ

636.00

639.41

VACUUM

SIGN

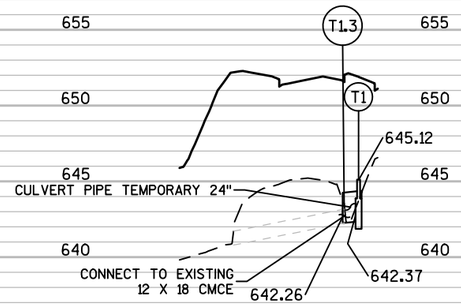
INL

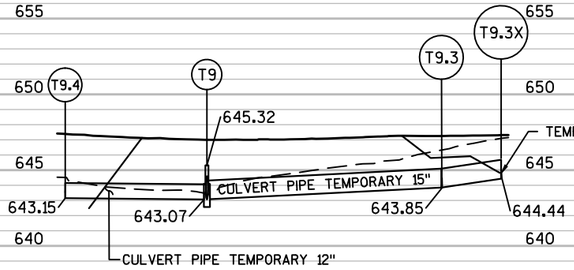
PROJECT NO: 1071-06-83/7190-03-72	HWY: STH35	COUNTY: LA CROSSE	TEMPORARY STORM SEWER - STAGE 2A/2B	SHEET 159	E

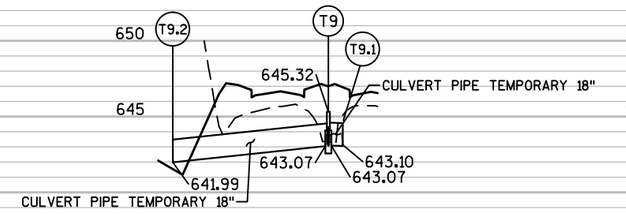
FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\022501-SS TEMP (GREEN).DWG
LAYOUT NAME - TEMP SS 2A 2B

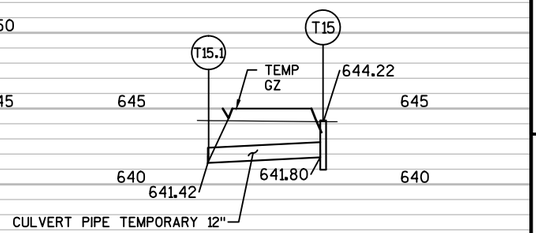
PLOT DATE : 9/27/2016 9:29 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:100 FT

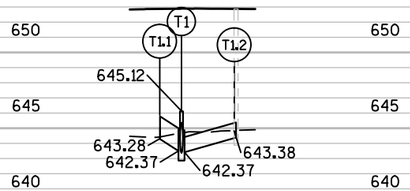
WISDOT/CADDS SHEET 41

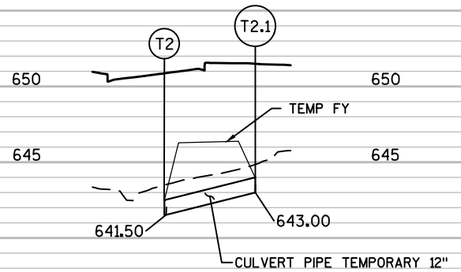


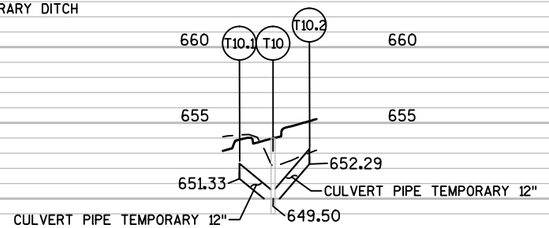


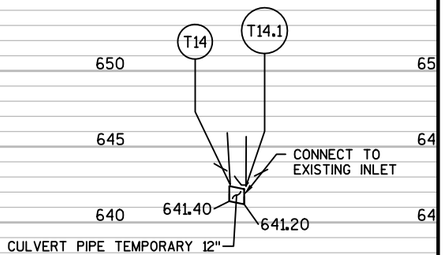


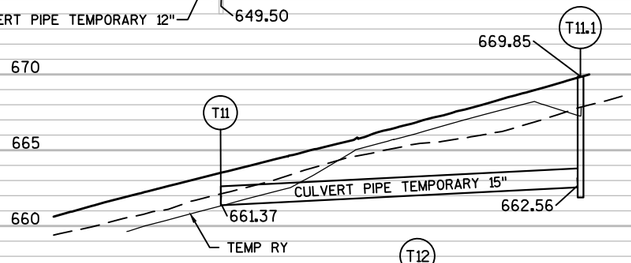


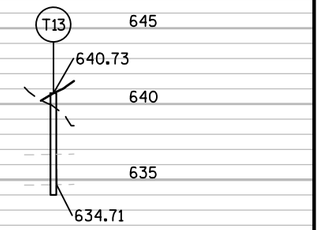


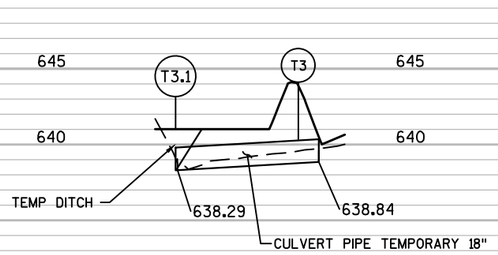


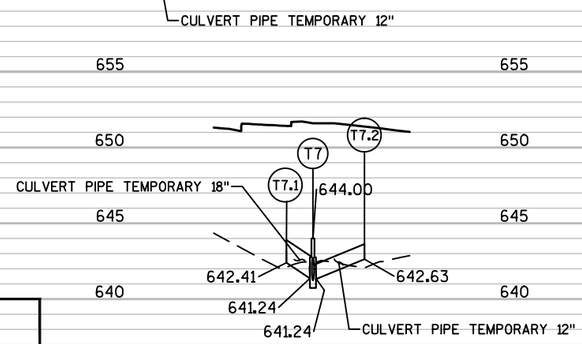


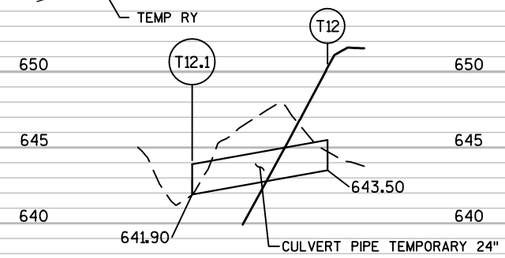


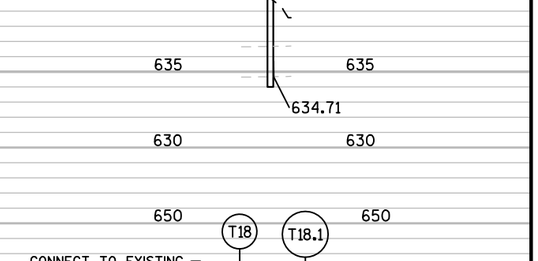


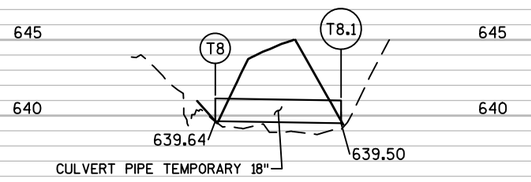


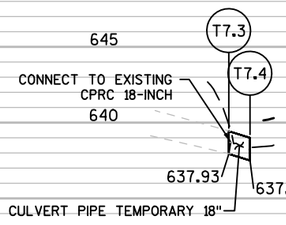


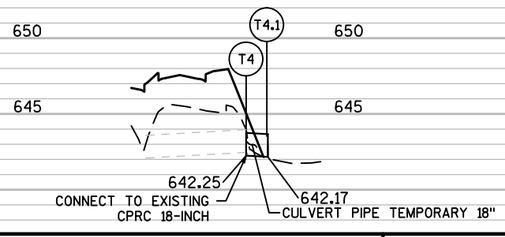


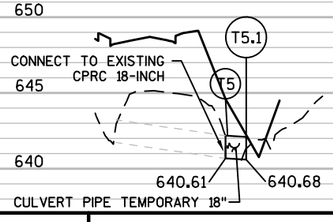


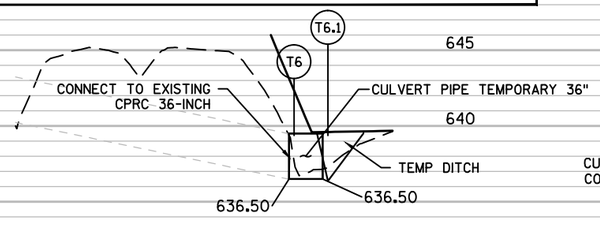


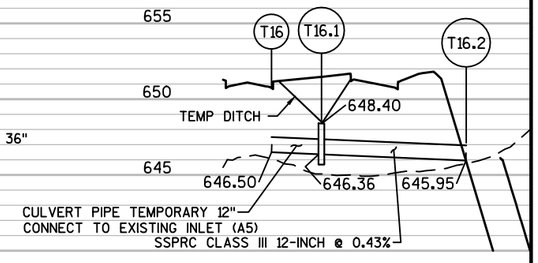












PROJECT NO: 1071-06-83/7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	TEMPORARY STORM SEWER	SHEET 160	E

2

USH 53

G RAMP

202+000

203+000

SLOPE INTERCEPT

REMOVING MANHOLES

REMOVING SANITARY SEWER

SLOPE INTERCEPT

EX 24-INCH SAN

SAN MH 4

EX SAN MH 205A

SAN MH 1

EX 24-INCH SAN

36-INCH SAN

SAN MH 3

SAN

SAN

36-INCH SAN

SAN MH 2

36-INCH SAN

N

WISCONSIN
BRIAN D. LAMBERT
E-40437
EAU CLAIRE
WI
PROFESSIONAL ENGINEER

GENERAL NOTES:
- SANITARY BYPASS PUMPING REQ'D
- MOUND FINAL SURFACE GRADING TO PROVIDE POSITIVE DRAINAGE FROM MANHOLE COVER
- VERIFY INVERTS AT EXISTING CONNECTION POINTS
- CONTACT THE CITY OF ONALASKA FOR FIELD VERIFICATION AND REVIEW OF INSTALLATION

SAN MH 3, MANHOLES 5-J-S
202+80.7 G, 65.4' RT
RIM 649.94
N 635.60 (36-INCH)
SW 635.60 (36-INCH)

SAN MH 4, MANHOLES 5-J-S
202+60.5 G, 92.4' RT
RIM 652.35
NE 635.57 (36-INCH)

G RAMP FINISHED SURFACE

EXISTING GROUND

SAN MH 2, MANHOLES 5-J-S
202+65.2 G, 91.9' LT
RIM 642.64
NW 635.73 (36-INCH)
S 635.73 (36-INCH)

SAN MH 1, MANHOLES 5-J-S
202+32.6 G, 114.1' LT
RIM 642.87
SE 635.76 (36-INCH)

EX 24" SAN @ 0.12%

159' - SAN SEWER PIPE RCP 36-INCH @ 0.08%

EX 24" SAN @ 0.08%

CONNECT TO EX 24" SAN
S INV 635.57

35' - SAN SEWER PIPE RCP 36-INCH @ 0.08%

CONNECT TO EX 24" SAN
N INV 635.76

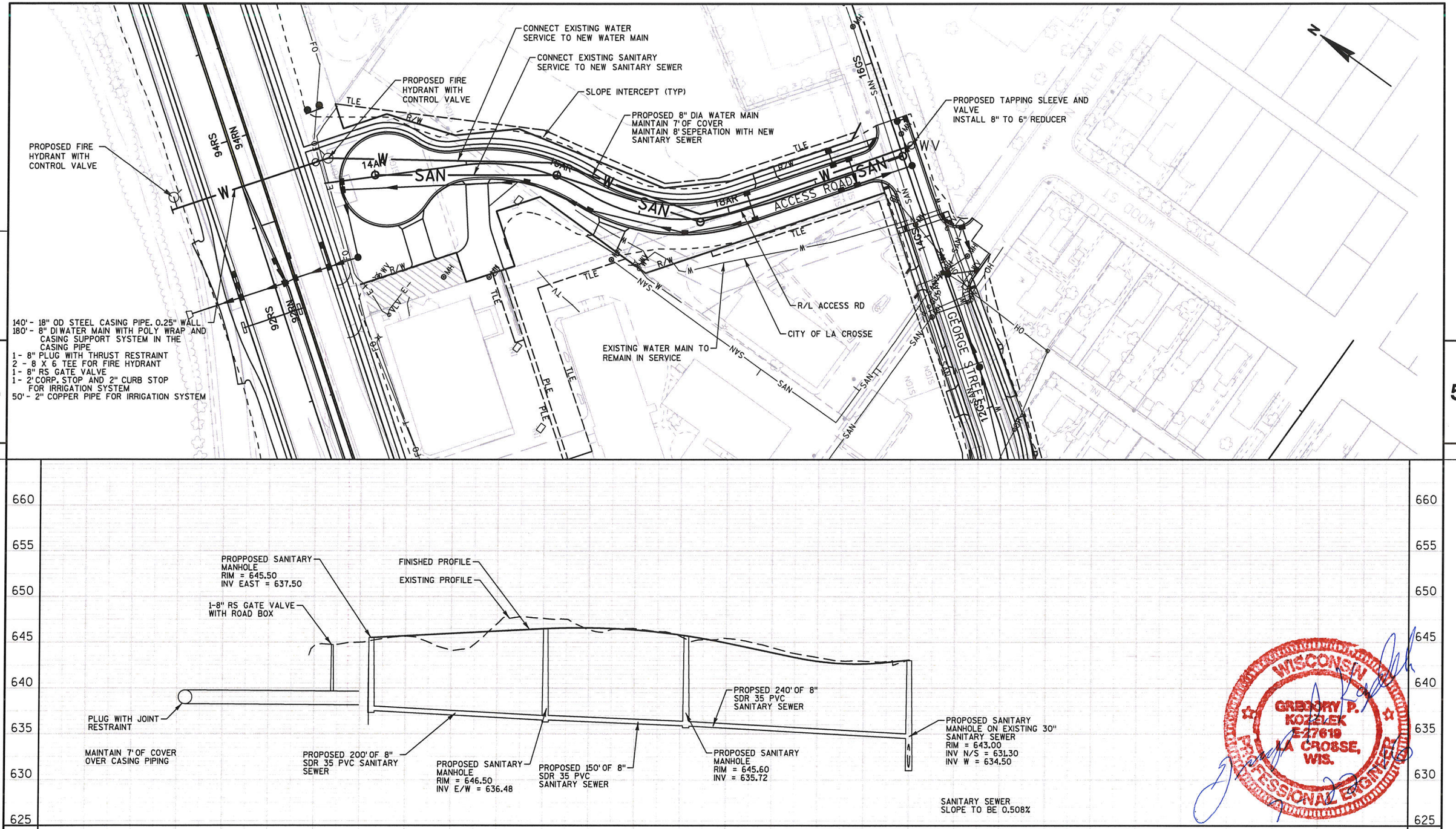
37' - SAN SEWER PIPE RCP 36-INCH @ 0.08%

670 660 650 640 630

3+50 4+00 4+50 5+00 5+50 6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+50

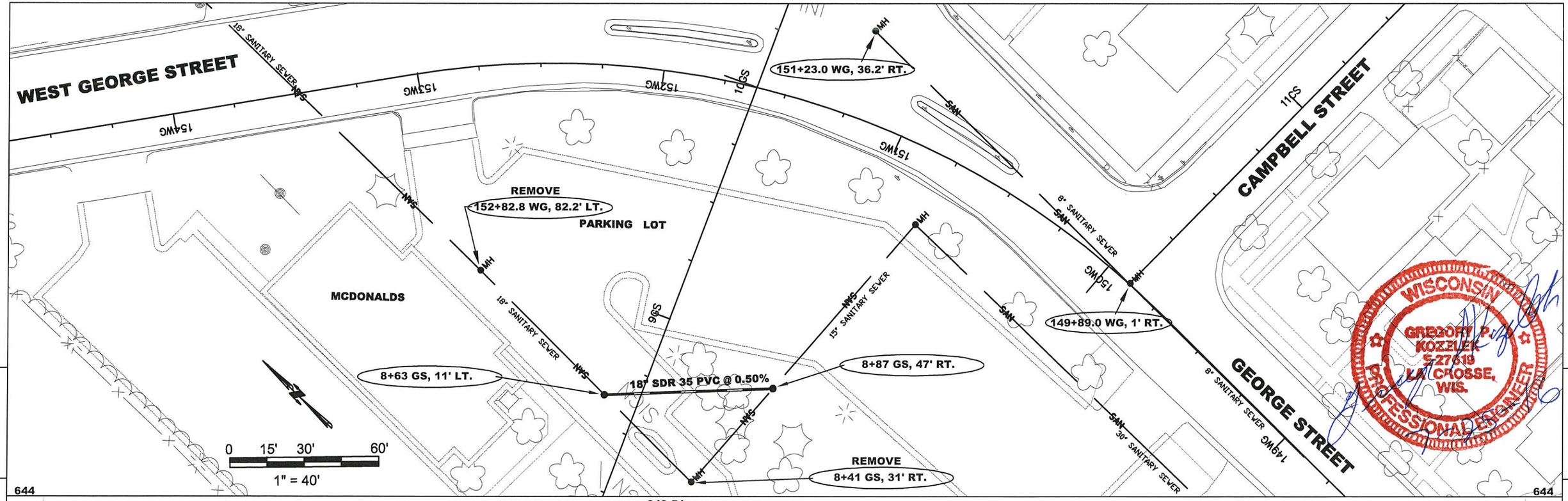
668.47 665.67 667.62 660.84 650.44 644.88 654.05 643.85 652.70 643.10 645.30 642.55 642.09 641.32 640.26 640.11

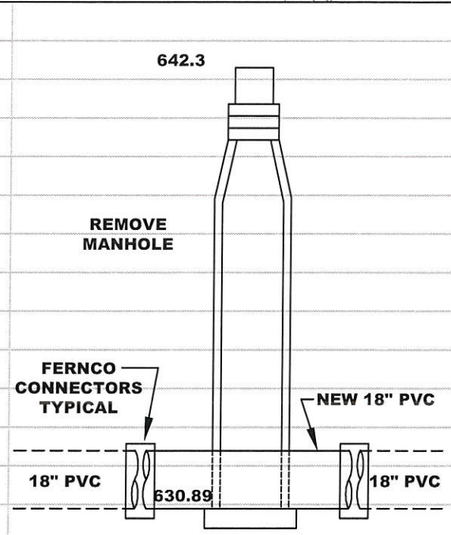
PROJECT NO: 1071-06-89	HWY: USH 53	COUNTY: LA CROSSE	SANITARY SEWER	SHEET 161	E



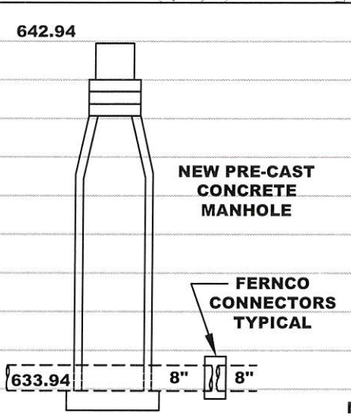
WISCONSIN GREGORY P. KOZELEK E-27619 LA CROSSE, WIS. PROFESSIONAL ENGINEER

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PROPOSED UTILITY PLAN - ACCESS ROAD	SHEET



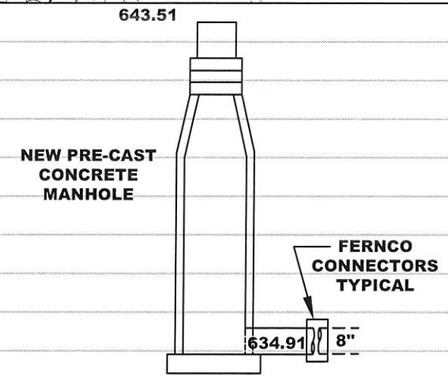


152+82.8 WG, 82.2' LT.
SPV.0060.77



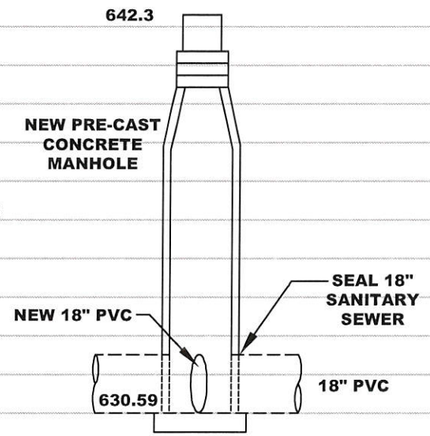
NOTE: ESTABLISHED BUILD HEIGHT = 9.0'
FINAL BUILD HEIGHT TO BE BASED ON
THE EXACT FINISHED GRADE.

149+89.0 WG, 1' RT.
SPV.0060.77



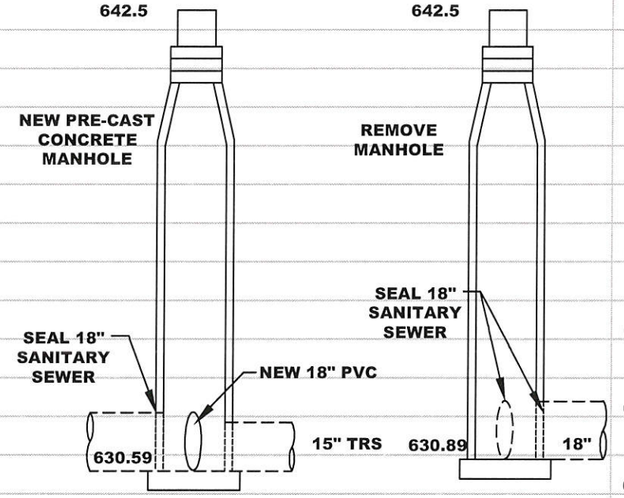
NOTE: ESTABLISHED BUILD HEIGHT = 8.6'
FINAL BUILD HEIGHT TO BE BASED ON
THE EXACT FINISHED GRADE.

151+23.0 WG, 36.2' RT.
SPV.0060.77



NOTE: ESTABLISHED BUILD HEIGHT = 11.5'
FINAL BUILD HEIGHT TO BE BASED ON
THE EXACT FINISHED GRADE.

8+63 GS, 11' LT.
SPV.0060.77



NOTE: ESTABLISHED BUILD HEIGHT = 11.5'
FINAL BUILD HEIGHT TO BE BASED ON
THE EXACT FINISHED GRADE.

8+87 GS, 47' RT.
SPV.0060.77

8+41 GS, 31' RT.
SPV.0060.77

PROJECT NO: **1071-06-82**	HWY: **USH 53**	COUNTY: **LA CROSSE**	**SANITARY SEWER**	SHEET 163	E

FILE NAME : PLOT DATE : PLOT BY : JMC PLOT SCALE :

2

WISCONSIN
JOEL D. JURSS
E-32142
WAUKESHA, WI
PROFESSIONAL ENGINEER

N

USH 53 STH 35

90 53
Madison
Minnesota
JCT 1 2 MI
1-4

53 NORTH
USE RIGHT LANE
1-5

15PS
PALACE ST

S-32-50

NORTH 35	WEST 90	EAST NORTH 90 53
96" X 114"	96" X 114"	168" X 114"
1-1	1-2	1-3

MOORE ST

LIVINGSTON ST

BEGIN PROJECT 1071-06-82
STA 53+32.00 RN

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT TYPE I SIGNING PLAN	SHEET 164	E

2

N

END PROJECT 1071-06-82
BEGIN PROJECT 1071+06+83
STA 98+00.00RN

S-32-53
R3-6L
42" X 48"
2-15

R3-5R
42" X 48"
2-16

EAST NORTH 90 53
2-20

AIRPORT
NEXT RIGHT
2-19

S-32-65
WEST 90
Minnesota
NEXT LEFT
144" X 108"
2-14

EAST NORTH 90 53
2-13
D1-70
78" X 36"

EAST NORTH 90 53
2-12
D1-70
78" X 36"

S-32-52
SOUTH 35 ONLY
D15-1
48" X 90"
2-1

SOUTH 35 ONLY
D15-1
48" X 90"
2-2

SOUTH 53 ONLY
D15-1
48" X 90"
2-3

SOUTH 53 ONLY
D15-1
48" X 90"
2-4

S-32-68
ONLY
R3-5L
42" X 48"
2-21

WEST 90
Minnesota
EXIT ¼ MI
2-17

EAST NORTH 90 53
Madison
2-18
REMOVE SIGN STRUCTURE
S-32-18

HOSTORIC DOWNTOWN
LA CROSSE
AMTRAK STATION
TOURIST INFO
2-25

S-32-51
NORTH 35
EAST NORTH 90 53
EXIT ONLY
384" X 132"
2-11

SOUTH 35 George St
2-22
REMOVE SIGN STRUCTURE
S-32-03

SOUTH 53 Rose St
2-23

WEST 90
KEEP LEFT
132" X 108"
2-9

EAST NORTH 90 53
KEEP RIGHT
168" X 108"
2-10

S-32-66
R3-6L
42" X 48"
2-5

ONLY
R3-5R
42" X 48"
2-6

ONLY
R3-5R
42" X 48"
2-7

EAST NORTH 90 53
SOUTH 35
D1-66
96" X 96"
2-8
EDGE OF SIGN 55' RT OF RN LINE
(1' OFF PROPOSED SIDEWALK)

LEGEND

ESTR EXISTING SIGN TO REMAIN	TYPE II SIGN ON WOOD POST
X-XX SIGN - MOVE	EXISTING GROUND MOUNTED TYPE I SIGN
X-XX SIGN - REMOVE AND REPLACE	PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX SIGN - REMOVE EXISTING	EXISTING OVERHEAD SIGN STRUCTURE
X-XX SIGN - PLACE NEW	PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO:1071-06-82/83	HWY: USH 53	COUNTY:LA CROSSE	PERMANENT TYPE I SIGNING PLAN	SHEET 165	E

2

N

S-32-56

EAST NORTH
90 53
LEFT LANE

168" X 108"

3-5

WEST
90
NEXT RIGHT

E3-1
144" X 84"

3-6

EAST NORTH
90 53
Madison
LEFT LANE

3-12

WEST
90
Airport
Minnesota

3-13

REMOVE SIGN STRUCTURE
S-32-20

WEST
90
Minnesota
EXIT ONLY

3-11

REMOVE SIGN STRUCTURE
S-32-19

WEST
90
Minnesota

72" X 30"

3-3

S-32-55

ONLY

R3-5L
42" X 48"

3-7

ONLY

R3-5L
42" X 48"

3-8

R3-6L
42" X 48"

3-9

ONLY

R3-5R
42" X 48"

3-10

SOUTH
53
AHEAD

3-14

EAST NORTH
90 53
Madison

3-15

REMOVE SIGN STRUCTURE
S-32-21

S-32-54

EAST NORTH
90 53
NEXT LEFT

168" X 108"

3-1

SOUTH
53
AHEAD

96" X 108"

3-2

WEST
90
Minnesota

72" X 30"

3-4

WB I-90

EB I-90

STH 35

LEGEND

ESTR EXISTING SIGN TO REMAIN	TYPE II SIGN ON WOOD POST
X-XX SIGN - MOVE	EXISTING GROUND MOUNTED TYPE I SIGN
X-XX SIGN - REMOVE AND REPLACE	PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX SIGN - REMOVE EXISTING	EXISTING OVERHEAD SIGN STRUCTURE
X-XX SIGN - PLACE NEW	PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PERMANENT TYPE I SIGNING PLAN	SHEET 166	E

FILE NAME : ch_0682_023203_ps.dgn PLOT DATE : 20-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 300:1

2

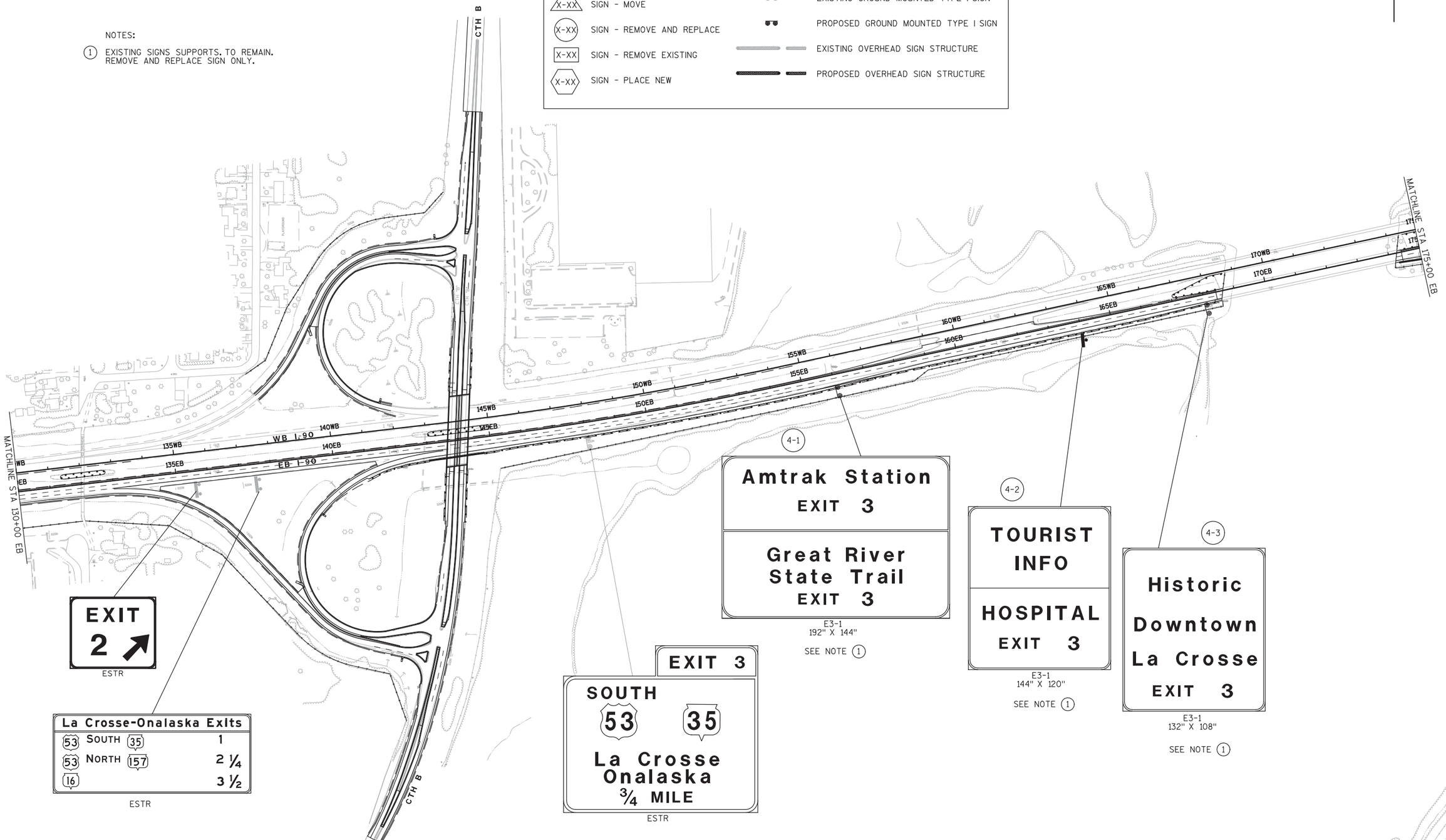
LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

N

NOTES:

(1) EXISTING SIGNS SUPPORTS. TO REMAIN. REMOVE AND REPLACE SIGN ONLY.



EXIT
2

ESTR

La Crosse-Onalaska Exits	
53 SOUTH 35	1
53 NORTH 157	2 ¼
16	3 ½

ESTR

EXIT 3
SOUTH
53 35
La Crosse
Onalaska
¾ MILE

ESTR

4-1

Amtrak Station
EXIT 3

Great River
State Trail
EXIT 3

E3-1
192" X 144"
SEE NOTE (1)

4-2

TOURIST
INFO

HOSPITAL
EXIT 3

E3-1
144" X 120"
SEE NOTE (1)

4-3

Historic
Downtown
La Crosse
EXIT 3

E3-1
132" X 108"
SEE NOTE (1)

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT TYPE I SIGNING PLAN - IH 90	SHEET 167	E

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

N

MATCHLINE STA 222+00 EB

MATCHLINE STA 175+00 EB

WB I-90/USH 53

EB I-90/USH 53

WB I-90

EB I-90

USH 53 STA 1245+55 LT ℄

5-1

EXIT 3

E5-1A
72" X 60"

EXIT 4

EAST 90 Madison

NORTH 53 157 La Crosse Onalaska 3/4 MILE

EXIT ONLY

ESTR

ESTR

EXIT 3B

NORTH 53 AHEAD

NORTH 35 Onalaska 1/4 MILE

ESTR

EXIT 3A

SOUTH 53 35 La Crosse

5-4

EXIT 3B

E5-1B
72" X 60"

NORTH M 3-3 35 M1-6

LOW BRIDGES 14' - 10" MAX

W12-50
144" X 48"

5-2

EXIT 3B

NORTH 35 Onalaska

5-3

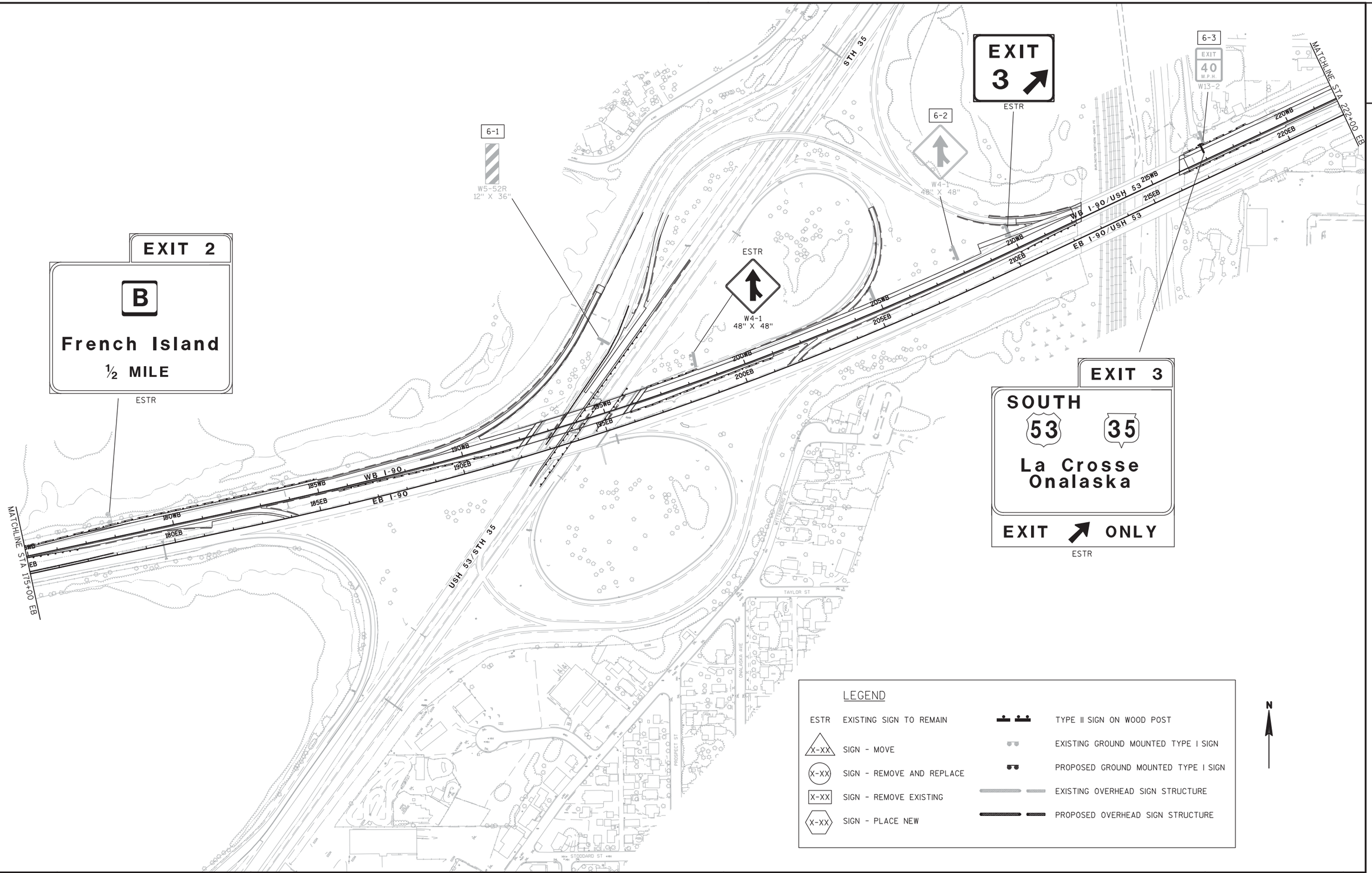
S-32-57

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	PERMANENT TYPE I SIGNING PLAN - IH 90	SHEET 168	E

FILE NAME : ch_0682_023205_ps.dgn PLOT DATE : 28-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 300:1

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	PERMANENT TYPE I SIGNING PLAN - IH 90	SHEET 169	E

2

ESTR

Amtrak Station
EXIT 3

Great River
State Trail
EXIT 3

7-1

SOUTH M 3-3 53 M1-4

SOUTH M 3-3 35 M1-6

LOW BRIDGES
14' - 4" MAX

ESTR

Historic
Downtown
La Crosse
EXIT 3

E3-1
132" X 108"

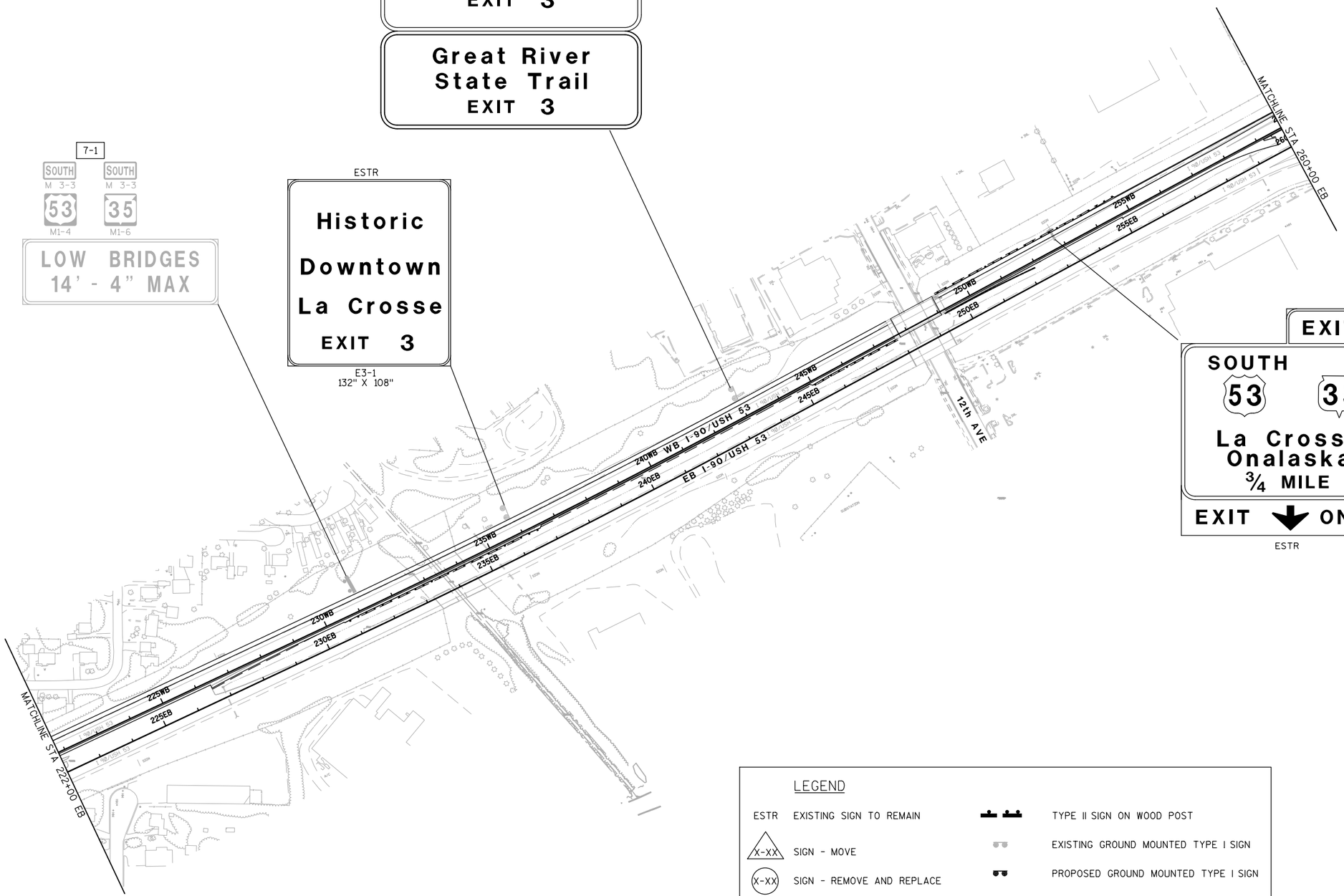
EXIT 3

SOUTH 53 35

La Crosse
Onalaska
3/4 MILE

EXIT ONLY

ESTR

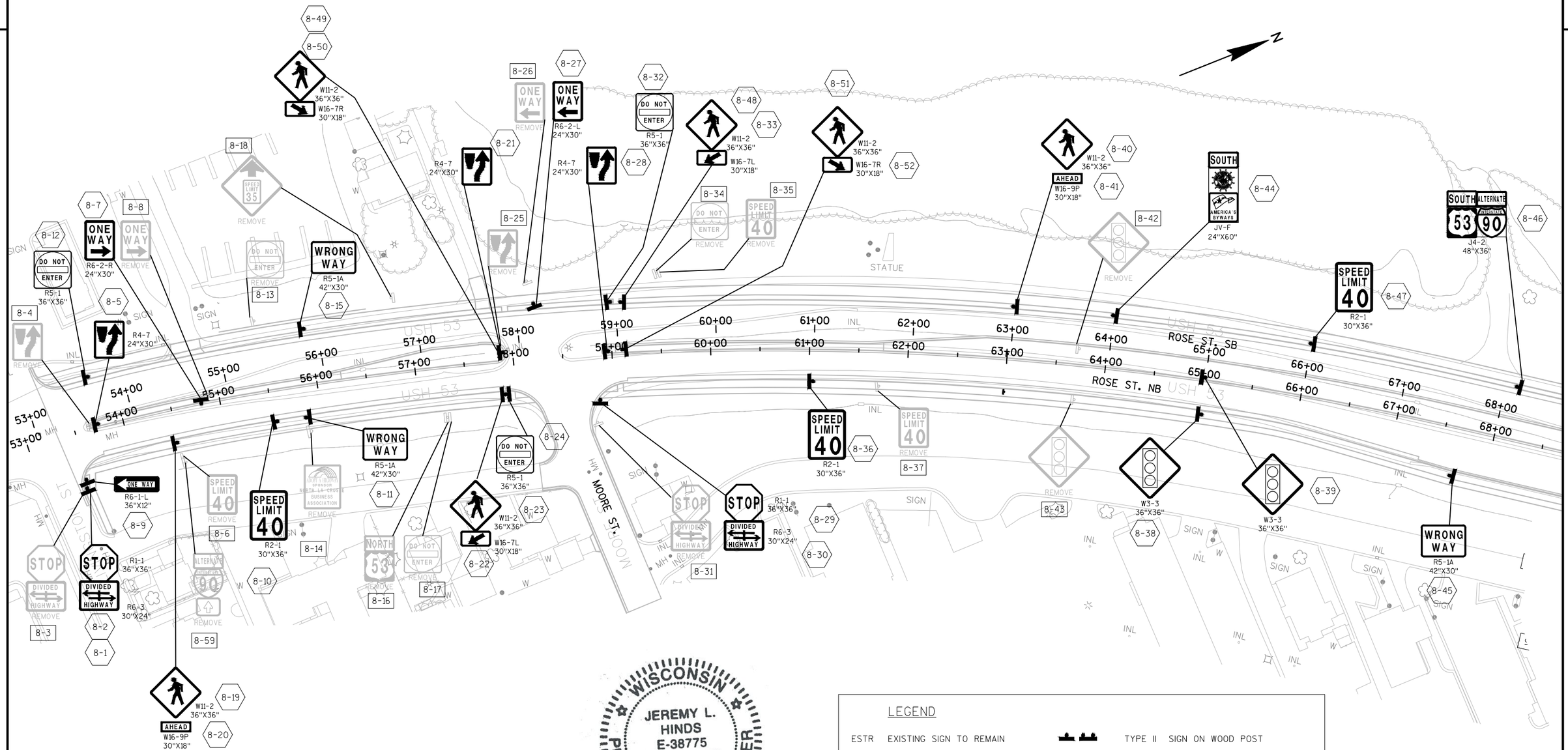


LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	PERMANENT TYPE I SIGNING PLAN - IH 90	SHEET 170	E

2



WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE WI
PROFESSIONAL ENGINEER
9/15/16

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PERMANENT TYPE II SIGNING PLAN - USH 53	SHEET 171	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\023201_PS.DWG
LAYOUT NAME - 023201_PS - 023201_PS
PLOT DATE : 9/26/2016 9:59 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

9-1 SPEED LIMIT 40 REMOVE
9-2 STOP R1-1F 30"X30" REMOVE
9-3 REMOVE
9-4 STOP R1-1F 36"X36"
9-5 DO NOT ENTER R5-1 36"X36" REMOVE
9-6 STOP R1-1F 30"X30"
9-7 REMOVE
9-8 REMOVE
9-9 REMOVE
9-10 ONE WAY R6-2-L 24"X30" REMOVE
9-11 R4-7 24"X30"
9-12 ONE WAY R6-2-L 24"X30"
9-13 H REMOVE
9-14 STOP REMOVE
9-15 STOP DIVIDED HIGHWAY REMOVE
9-16 REMOVE
9-17 W12-1D 24"X24"
9-18 H
9-19 H
9-20 STOP R1-1F 36"X36"
9-21 DIVIDED HIGHWAY R6-3 30"X24"
9-22
9-23 ONE WAY R6-2-R 24"X30"
9-24 LEFT TURN LANE REMOVE
9-25 LEFT TURN LANE REMOVE
9-26 SPEED LIMIT 40 R2-1 30"X36"
9-27 SPEED LIMIT 40 REMOVE
9-28 JCT 35 REMOVE
9-29 DO NOT ENTER REMOVE
9-30 ONE WAY REMOVE
9-31 NORTH NORTH SOUTH 35 35
9-32 JCT 35 J1-1 24"X39"
9-33 REMOVE
9-34
9-35 SOUTH AMERICA'S BYWAYS JV-F 24"X60"
9-36 AMERICA'S BYWAYS REMOVE
9-37 SOUTH 53 REMOVE
9-38 SPEED LIMIT 40 R2-1 30"X36"
9-39 WRONG WAY R5-1A 30"X42"
9-40 DO NOT ENTER REMOVE
9-41 DO NOT ENTER REMOVE
9-42 STOP R1-1F 36"X36"
9-43 STOP R1-1F 36"X36"
9-44 ONE WAY REMOVE
9-45 R4-7 24"X30"
9-46 YIELD R1-2 36"X31"
9-47 BEGIN LEFT TURN LANE REMOVE
9-48 ONLY ONLY R3-8-F 36"X30"
9-49 NORTH SOUTH 35 J3-2 48"X57"

69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00

USH 53

PALACE ST.

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT TYPE II SIGNING PLAN - USH 53	SHEET 172	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\023201_PS.DWG
LAYOUT NAME - 023201_PS - 023202_PS
PLOT DATE : 9/26/2016 9:59 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

ROSE ST SB

ROSE ST NB

SIGN STRUCTURE S-32-62

W. GEORGE ST (STH 35)

MINI GOLF COURSE

PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT TYPE II SIGNING PLAN - USH 53	SHEET 173 E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\023201_PS.DWG
LAYOUT NAME - 023201_PS - 023203_PS

PLOT DATE : 9/26/2016 9:59 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

LEGEND

ESTR	EXISTING SIGN TO REMAIN		TYPE II SIGN ON WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED TYPE I SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PERMANENT TYPE II SIGNING PLAN - USH 53	SHEET 174 E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\023204_PS .DWG
LAYOUT NAME - 023204_PS - 023204_PS
PLOT DATE : 9/26/2016 10:00 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

NOTE:

RAMP E AND RAMP F SIGNS SHOWN ELSEWHERE IN PERMANENT SIGNING PLAN

SOUTH
AMERICA'S
JV-1
24" X 60"
14-45

SPEED LIMIT 40
R2-1
30" X 36"
14-4

WRONG WAY
R5-1A
36" X 24"
14-39

SOUTH SOUTH
35 53
J2-2
48" X 51"
14-40 14-41

SOUTH SOUTH ALTERNATE
53 35 90
INTERSTATE
J4-3
72" X 36"
14-51

R3-4
24" X 24"
14-42

STOP
R1-1F
36" X 36"
14-13

W1-6
48" X 24"
14-50

R/L ROSE ST (SB)

R/L ROSE ST (NB)

100RS 102RS 104RS 106RS 108RS 110RS 112RS

100RN 102RN ROSE STREET (USH 53) 104RN 106RN 108RN 110RN 112RN

MATCHLINE STA 113+00 RN

184F 186F 188F 190F 190FA 192F 194F RAMP F 196F 198F

180E RAMP E 188E 190E

188H 190H 192H 194H 196H

W3-3
36" X 36"
14-1 14-2

W12-1D
24" X 24"
14-3

ONE WAY
R6-2R
30" X 36"
14-5

R4-7
24" X 30"
14-6

STOP
R1-1F
36" X 36"
14-7

W4-1
36" X 36"
14-44

W11-2
36" X 36"
W16-7L
30" X 18"
14-52 14-53

W11-2
36" X 36"
W16-7R
30" X 18"
14-54 14-55

R4-7
24" X 30"
14-14

R1-2
36" X 36" X 36"
14-20

WEST
INTERSTATE
90
J2-1
24" X 57"
14-46 14-47

I5-1
24" X 24"
14-48

MK6-1
21" X 21"
14-49

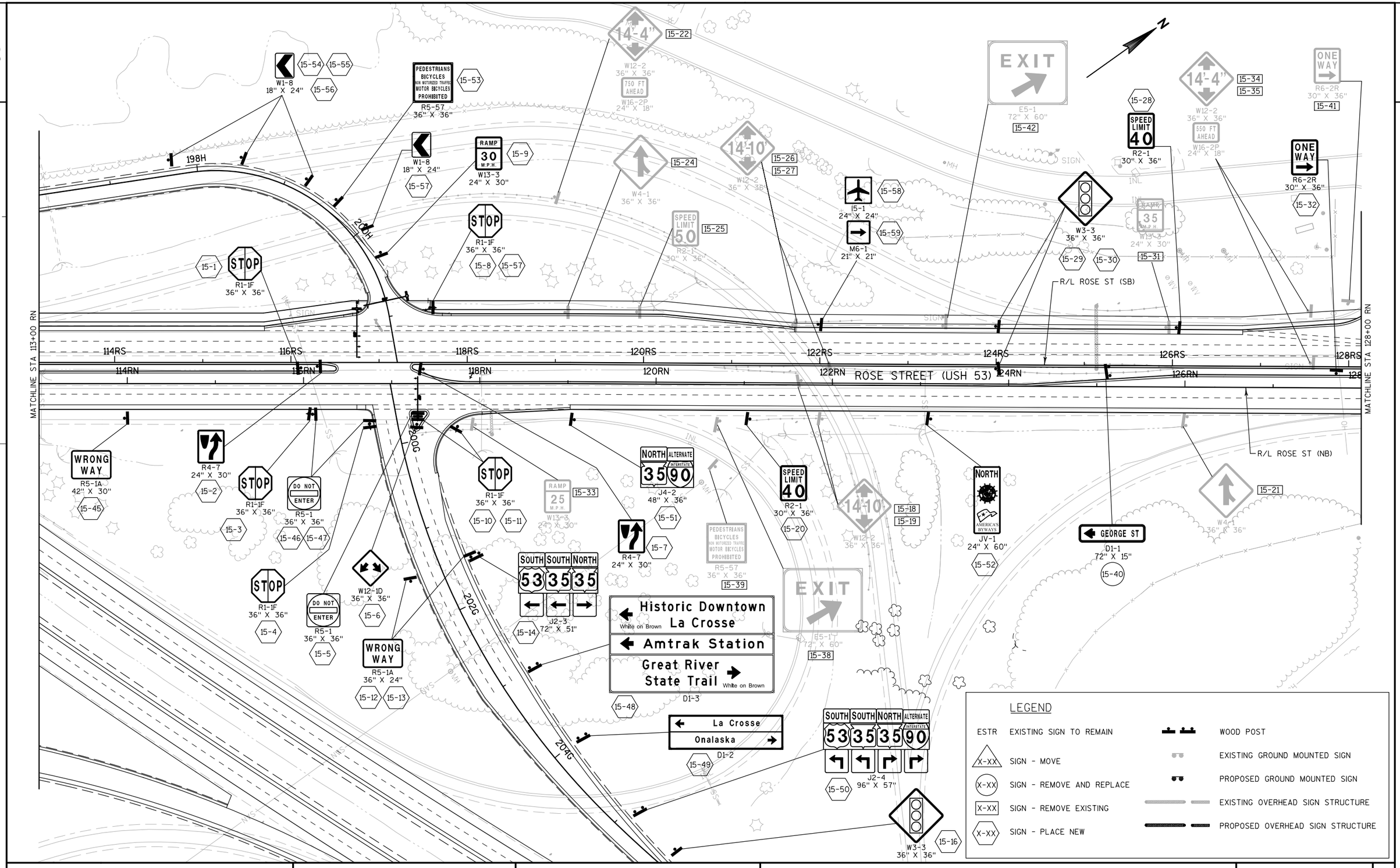
VACUUM SIGN SS FO INL W

LEGEND

ESTR	EXISTING SIGN TO REMAIN		WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

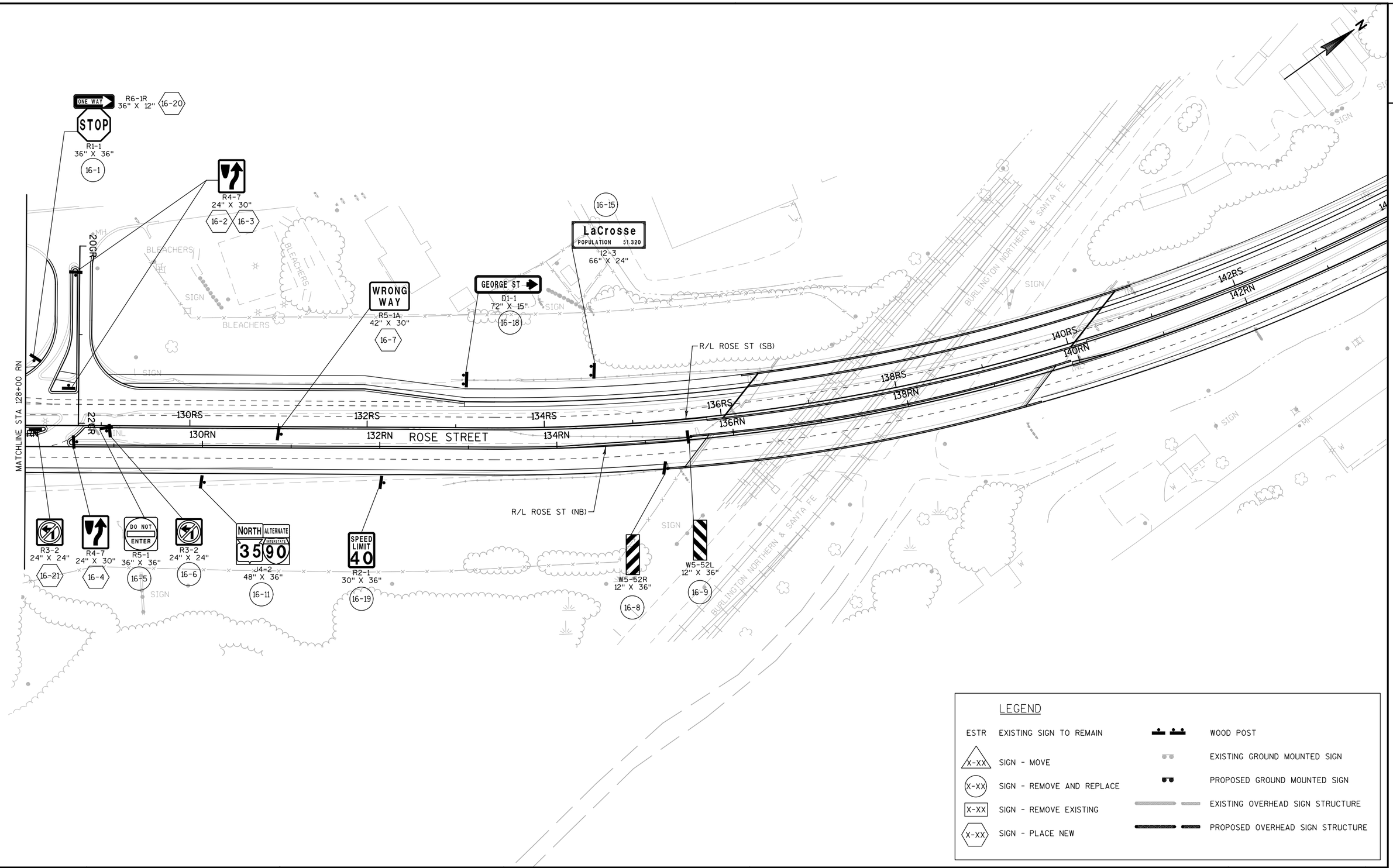
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT SIGNING - ROSE STREET	SHEET 175	E

2



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT SIGNING - ROSE STREET	SHEET 176	E

2



PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	PERMANENT SIGNING - ROSE STREET	SHEET 177	E

2

NORTH ALTERNATE INTERSTATE 35 90 SOUTH 53 SOUTH 35
J2-4
96" X 57"
17-48

200' MIN.

W3-3
36" X 36"
17-25

Great River State Trail
White on Brown
Amtrak Station
Historic Downtown La Crosse
White on Brown

Onalaska
La Crosse
Tourist Info
White on Blue
D1-3
17-47

NORTH SOUTH SOUTH 35 53 35 H
J3-4
96" X 57"
17-45

W12-1D
24" X 24"
17-9

STOP
R1-1F
36" X 36"
17-8

WRONG WAY
R5-1A
36" X 24"
17-23 17-24

STOP
R1-1F
36" X 36"
17-10 17-11

DIVIDED HIGHWAY
R6-3
30" X 24"
17-36 17-37

DO NOT ENTER
R5-1
30" X 30"
17-12

184F 186F 188F 190F 190FA 192F 194F 196F 198F

184F 186F 188F 190H 192H 194H 196H

100RS 102RS 104RS 106RS 108RS 110RS 112RS

100RN ROSE STREET (USH 53) 102RN 104RN 106RN 108RN 110RN 112RN

R/L ROSE ST (SB)

R/L ROSE ST (NB)

MATCHLINE STA 113+00 RN

SIGN

EXIT
E5-1
72" X 60"
17-38

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36" X 36"
17-43

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36" X 36"
17-19

STOP
R1-1F
36" X 36"
17-49

W4-1
36" X 36"
17-18

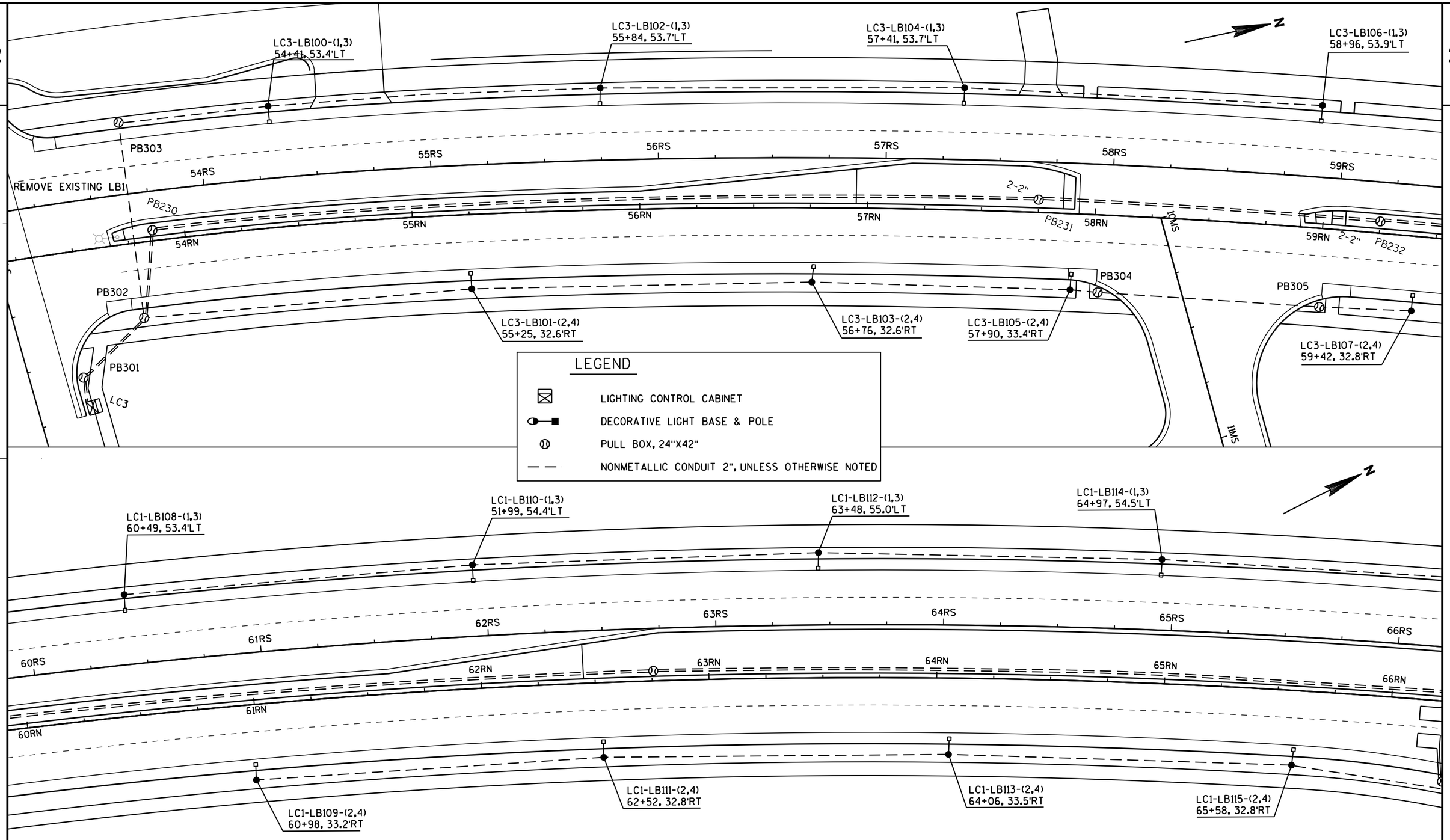
RAMP 40 M.P.H.
W13-3
24" X 30"
17-17

VACUUM

LEGEND

ESTR	EXISTING SIGN TO REMAIN		WOOD POST
X-XX	SIGN - MOVE		EXISTING GROUND MOUNTED SIGN
X-XX	SIGN - REMOVE AND REPLACE		PROPOSED GROUND MOUNTED SIGN
X-XX	SIGN - REMOVE EXISTING		EXISTING OVERHEAD SIGN STRUCTURE
X-XX	SIGN - PLACE NEW		PROPOSED OVERHEAD SIGN STRUCTURE

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PERMANENT SIGNING - RAMPS	SHEET 178	E



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CITY OF LA CROSSE DECORATIVE LIGHTING	SHEET 179 E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-82\sheets\Lighting\023501-lp.dgn PLOT DATE : 25-JUL-2016 08:52 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LC1-LB116-(1,3)
66+45, 55.1'LT

LC1-LB118-(1,3)
67+93, 55.7'LT

LC1-LB120-(5,7)
70+92, 55.3'LT

PB307 SB5 PB8 2-3" SB6 PB9 SB7 PB310

66RS 67RS 68RS 69RS 70RS 71RS 72RS

66RN PB6 67RN 2-2" PB5 68RN 69RN 2-2" PB4 SB4 70RN 2-2" CV1 PB10 71RN 2-2" 72RN

PB11

62

61

PB7

V61 V21 V51

45' 30'

2-3"

PB2 SB1

PB3

PB306

SB3
PB308

PB14 PB309

V82 SB2 V81 PB1 SC1 LC1

LC1-LB117-(2,4)
67+11, 43.6'RT

LC1-LB119-(2,4)
68+63, 47.3'RT

LC1-LB121-(6,8)
71+66, 41.5'RT

N

LEGEND

- LIGHTING CONTROL CABINET
- DECORATIVE LIGHT BASE & POLE
- PULL BOX, 24"X42"
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

LC1-LB122-(5,7)
72+42, 55.3'LT

LC1-LB124-(5,7)
73+92, 55.2'LT

LC1-LB126-(5,7)
75+42, 55.2'LT

LC1-LB128-(5,7)
76+93, 55.2'LT

PB13

21

22

72RS 73RS 74RS 75RS 76RS 77RS

PB11 2-2" PB12 74RN 2-2" PB201 2-2" PB202

2-2" 72RN 73RN 75RN 76RN 77RN

LC1-LB121-(6,8)
71+66, 41.5'RT

LC1-LB123-(6,8)
73+15, 32.2'RT

LC1-LB125-(6,8)
74+66, 31.8'RT

LC1-LB127-(6,8)
76+16, 31.8'RT

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CITY OF LA CROSSE DECORATIVE LIGHTING	SHEET 180	E

LC2-LB130-(1,3)
78+42, 55.2'LT

LC2-LB132-(1,3)
79+92, 55.2'LT

LC2-LB134-(1,3)
81+42, 56.9'LT

LC2-LB136-(1,3)
82+94, 61.1'LT

78RS 79RS 80RS 81RS 82RS 83RS

PB202 2-2" PB203 2-2" PB204 2-2" PB42

78RN 79RN 80RN 81RN 82RN 83RN

63
62
61

PB43

LC2-LB129-(2,4)
77+67, 41.9'RT

LC2-LB131-(2,4)
79+17, 43.6'RT

LC2-LB133-(2,4)
80+67, 43.6'RT

LC2-LB135-(2,4)
82+17, 43.6'RT

N

LEGEND

- LIGHTING CONTROL CABINET
- DECORATIVE LIGHT BASE & POLE
- PULL BOX, 24"X42"
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

LC2-LB136-(1,3)
82+94, 61.1'LT

LC2-LB138-(1,3)
84+44, 64.6'LT

PB312 SB33 PB315 V31 2-3" PB316 PB32

LC2 SC2 PB31 SB21 SB22 SB23 PB33

PB44

83RS 84RS 85RS 86RS 87RS 88RS 89R

PB40 SB32 2-2" PB41 2-2" PB36

V11 CV2 V51 V52

84RN 85RN 86RN 87RN 88RN 89R

63
62
61

PB42 83RN PB43

SB24 PB35 SB25 SB26 3-2"

PB37 SB27 SB29 PB39 2-3" PB38 SB28

PB311 SB31

V41 VA2 VA1

LC2-LB137-(2,4)
83+67, 43.8'RT

LC2-LB139-(2,4)
85+19, 57.1'RT

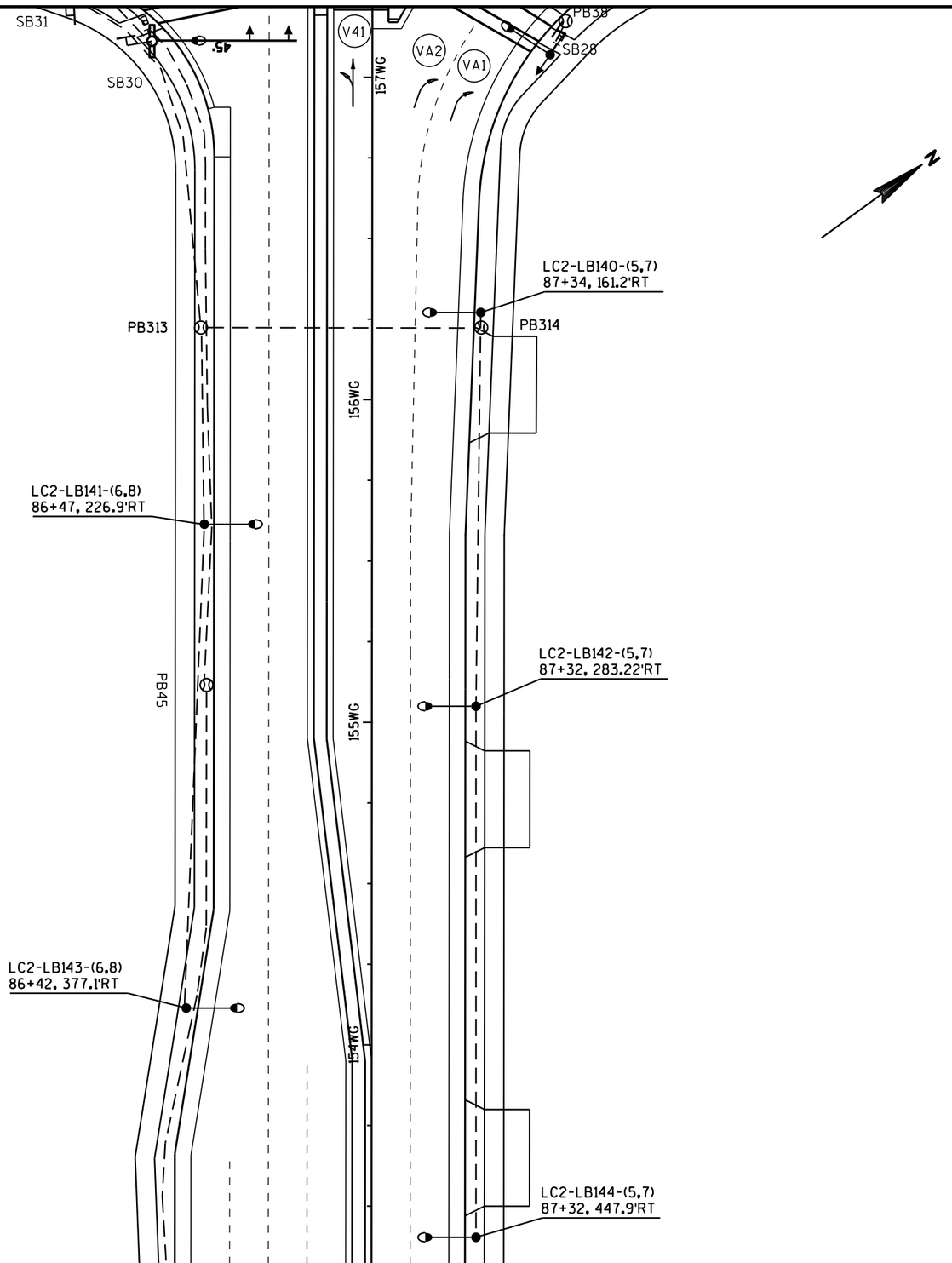
N

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CITY OF LA CROSSE DECORATIVE LIGHTING	SHEET 181 E

2

LEGEND

- LIGHTING CONTROL CABINET
- DECORATIVE LIGHT BASE & POLE
- PULL BOX, 24"X42"
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED



2

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CITY OF LA CROSSE DECORATIVE LIGHTING	SHEET 182	E

FILE NAME : P:\State\i90\10710608\Traffic\1071-06-82\sheets\Lighting\023504-lp.dgn PLOT DATE : 25-JUL-2016 08:52 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

PB33

PB34

21

22

88RS

89RS

90RS

91RS

92RS

93RS

94RS

PB36

SC2-LB21-(1,3)
89RN+23, 7.5'LT

SC2-LB22-(1,3)
91RN+38, 7.5'LT

SC2-LB23-(1,3)
93RN+74, 11.4'LT

88RN

89RN

90RN

91RN

3-2"

3-2"

PB207

B25

SB26

3-2"

PB205

PB206

92RN

93RN

94RN

LEGEND

LIGHTING CONTROL CABINET

TYPE 6-A POLE, 12' LUMINAIRE ARMS, LED C

PULL BOX, 24"X42"

NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

94RS

95RS

SC2-LB24-(1,3)
95RN+89, 11.6"LT

96RS

97RS

98RS

PB209

SC4-LB25-(1,3)
98RN+04, 11.8'LT

99RS

100+00F

PB207

3-2"

PB208

2-2"

3-2"

94RN

95RN

96RN

97RN

98RN

99RN

184+00F

185+00F

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 183	E

FILE NAME : P:\State\i90\10710608\Traffic\1071-06-82\sheets\Lighting\023505-lp.dgn PLOT DATE : 25-JUL-2016 08:52 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

SC4 PB91 VB1 SB61 2-3" PB108 SB

2-3"

98RS PB209 SC4-LB25-(1,3) 98RN+04, 11.8'LT 99RS 100+00RS 101+00RS 102+00RS 103+00RS 104+00RS

3-2" 99RN 98RN 100+00RN PB210 SC4-LB26-(1,3) 100RN+19, 12.1'LT 3-2" 101+00RN PB106 3-2" 102+00RN PB105 3-2" SB73 2-2" CV4

62 61 PB107 SC4-LB27-(1,3) 102RN+34, 12.2'LT 103+00RN PB104 104+00RN

2-3" SB

PB10

184+00F 185+00F 186+00F 187+00F

1-3"

SC4 PB91 VB1 V41 SB64

SB61 2-3" SB63 PB94 PB95 SB65

PB108 SB62 2-3" 55' 2-3"

PB97 21 22 23

104+00RS 105+00RS 106+00RS 107+00RS 108+00RS 109+00RS

V51 SC4-LB28-(2,4) 107RN+41, 7.6'LT

2-2" CV4 105+00RN 2-2" 2-2" 108+00RN PB98 109+00RN

PB104 104+00RN SB66 PB99 106+00RN 107+00RN PB211

2-3" SB72 35' 2-3"

PB101 2-3" PB100 SB67

SB68 20

1-3"

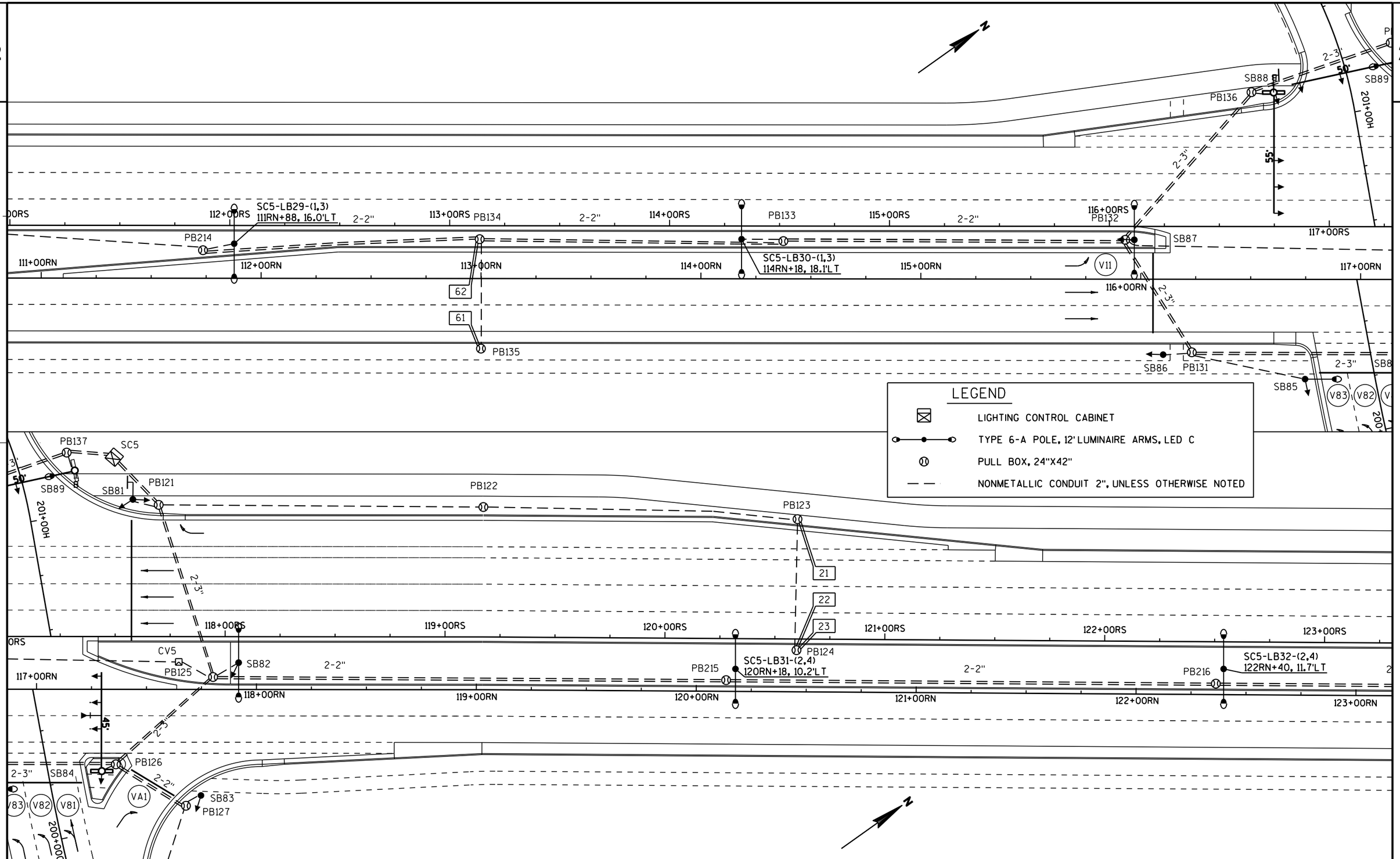
2-2" CONDUIT FOR INTERCONNECT

LEGEND

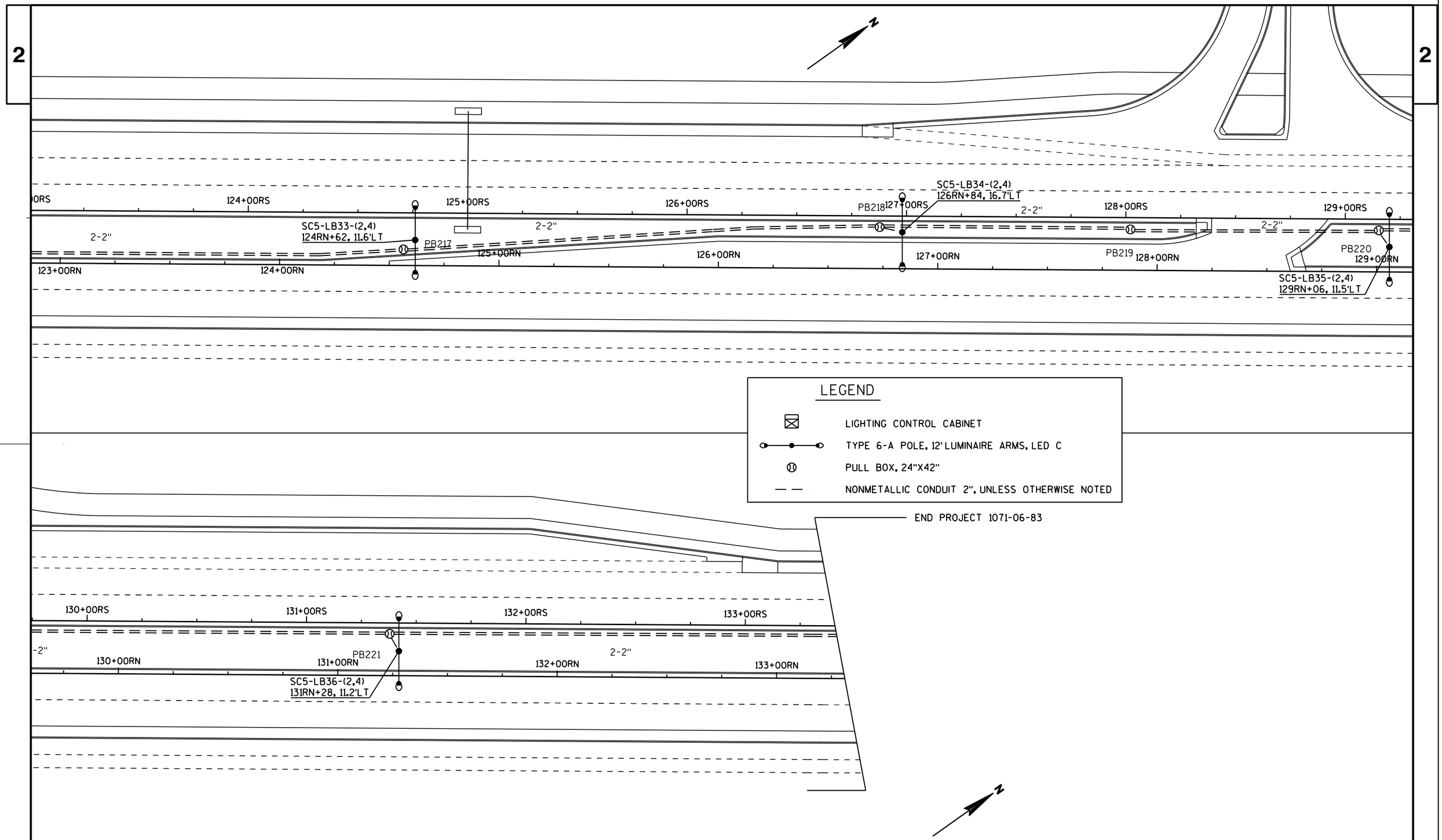
- LIGHTING CONTROL CABINET
- TYPE 6-A POLE, 12' LUMINAIRE ARMS, LED C
- PULL BOX, 24"X42"
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET	E

FILE NAME : P:\State\i90\10710608\Traffic\1071-06-83\sheets\Lighting\023501-lp.dgn PLOT DATE : 25-JUL-2016 08:58 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 185 E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 186	E

2

N

SC5-LB37-(2,4)
133RN+50, 12.5'LT

PB222

134+00RS

134+00RN

135+00RS

135+00RN

2-2"

SC5-LB38-(2,4)
135RN+74, 12.7'LT

136+00RS

PB223

140+00RS

140+00RN

PB224

ESC1-LB39-(1,3)
139RN+94,11.4'LT

141+00RS

141+00RN

142+00RS

142+00RN

2-2"

PB225

ESC1-LB40-(1,3)
142RN+48,12.6'LT

143+00RS

143+00RN

LEGEND

⊠	LIGHTING CONTROL CABINET
●—●—●	TYPE 6-A POLE, 12' LUMINAIRE ARMS, LED C
⊗	PULL BOX, 24"X42"
— —	NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

144+00RS

144+00RN

145+00RS

145+00RN

PB226

ESC1-LB41-(1,3)
145RN+02,13.8'LT

146+00RS

146+00RN

2-2"

147+00RS

147+00RN

ESC1-LB42-(1,3)
147RN+45,11.9'LT

PB227

148+00RS

148+00RN

149+00RS

149+00RN

2-2"

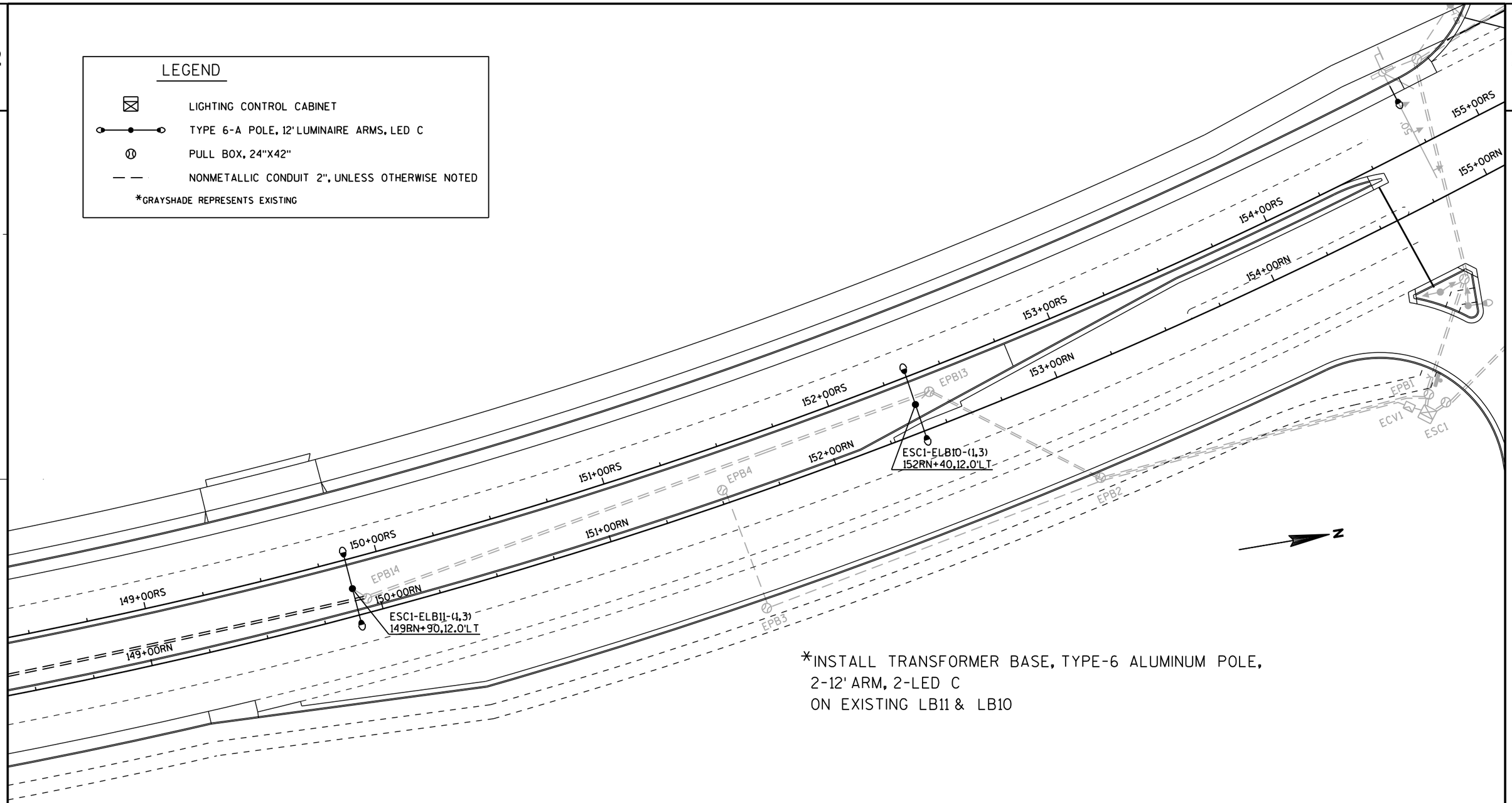
N

PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 187	E

LEGEND

- LIGHTING CONTROL CABINET
- TYPE 6-A POLE, 12' LUMINAIRE ARMS, LED C
- PULL BOX, 24"X42"
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

*GRAYSHADE REPRESENTS EXISTING



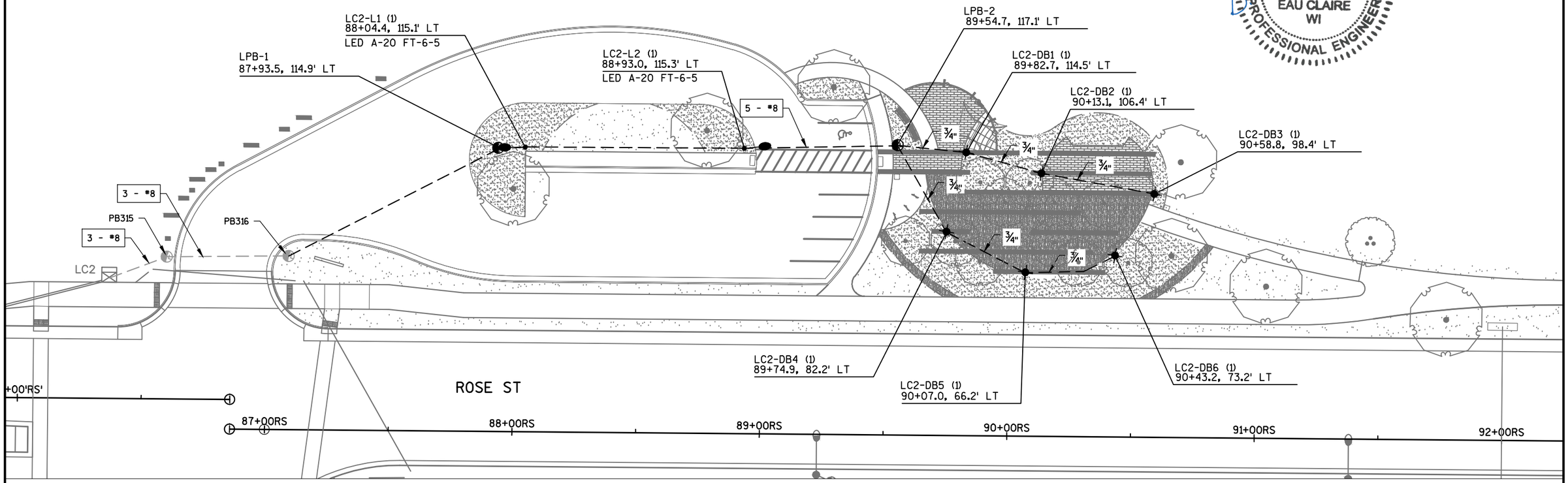
*INSTALL TRANSFORMER BASE, TYPE-6 ALUMINUM POLE,
2-12' ARM, 2-LED C
ON EXISTING LB11 & LB10

PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 188 E

GENERAL NOTES

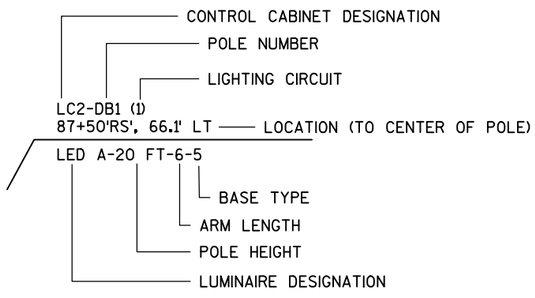
- EAGLE VIEWING AREA LIGHTING SHALL TERMINATE IN LIGHTING CABINET LC2.
- SEE CITY OF LA CROSSE DECORATIVE LIGHTING PLAN FOR INFORMATION REGARDING LC2, PB315, PB316 AND ASSOCIATED CONDUIT.

WISCONSIN
BRIAN D. LAMBERT
E-40437
EAU CLAIRE
WI
PROFESSIONAL ENGINEER



LEGEND

- DECORATIVE LIGHTING UNIT 20-FT
- DECORATIVE BOLLARD
- CONDUIT RIGID NON-METALLIC 2-INCH (UNLESS NOTED) WITH 3 - ELECTRICAL WIRE LIGHTING 8 AWG (UNLESS NOTED)
- 3 - #8 — ELECTRICAL WIRE LIGHTING NUMBER - SIZE
- PULL BOXES STEEL 24X42-INCH



PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	LIGHITNG PLAN - EAGLE VIEWING AREA	SHEET 189	E

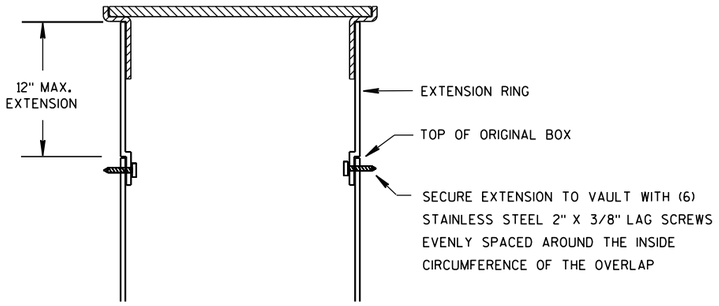
FILE NAME : V:\TRANS-EC\410627\LIGHTING\AA_0682_023501_LP.DWG
LAYOUT NAME - 1
PLOT DATE : 7/25/2016 1:57 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1:40

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		COMMUNICATIONS VAULT
VAULT DIAMETER (INSIDE) **	A	36
VAULT OVERALL OUTSIDE DIAMETER	B	39
VAULT LENGTH	C	42
FRAME OPENING	D	34 1/2
WEIGHT IN POUNDS *		
COVER		95
VAULT ONLY		85

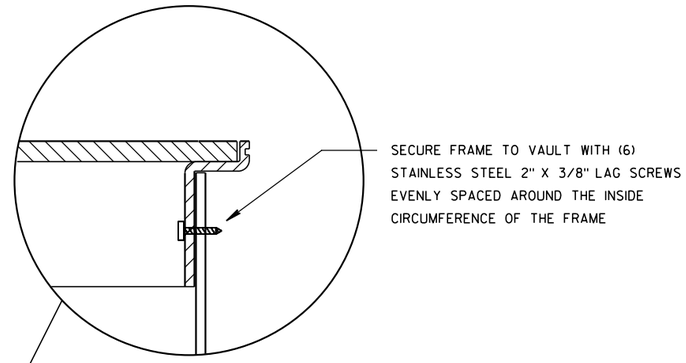
* THE ACTUAL WEIGHT OF THE COVER AND VAULT MAY VARY NOT TO EXCEED 100 LBS FOR THE COVER AND 100 LBS FOR THE VAULT ONLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

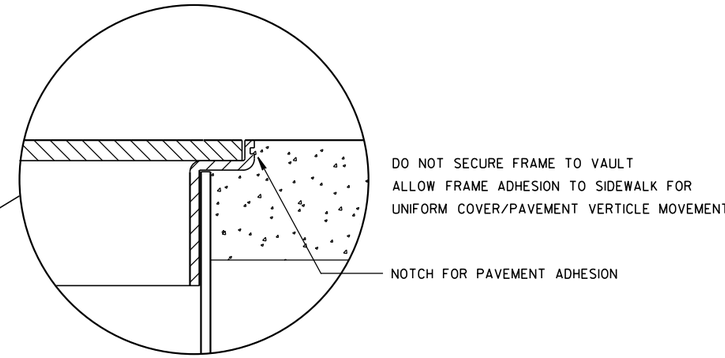


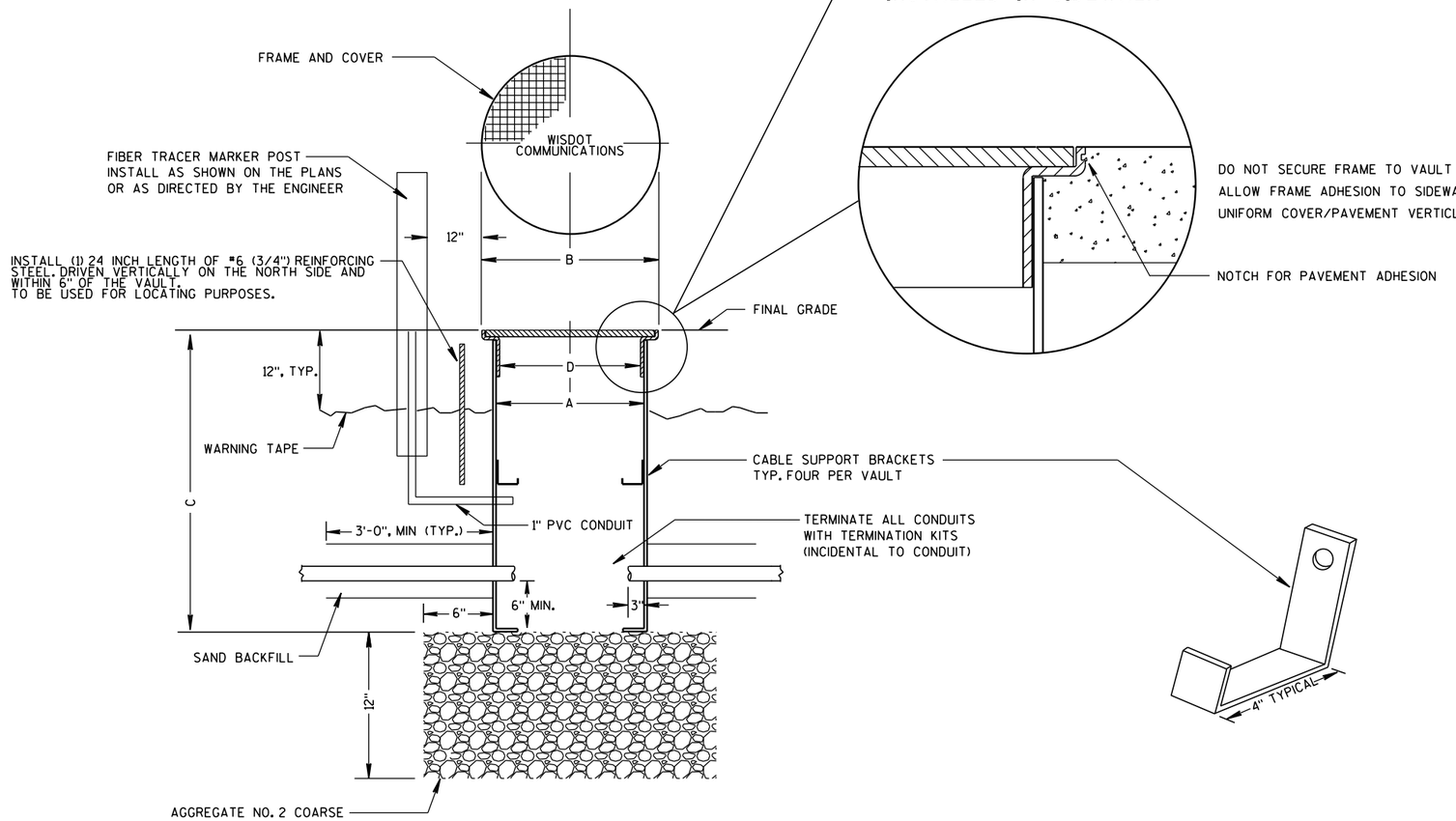
VAULT EXTENSION

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK





ROUND COMMUNICATIONS VAULT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL VAULTS, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

VAULTS AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO VAULT SHALL BE FIELD CUT AT TIME OF PLACEMENT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL CABLE IN ANY VAULT UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

VAULT EXTENSION MAY ONLY BE USED IF DIRECTED BY THE ENGINEER.

CABLE SUPPORT BRACKETS SHALL BE STAINLESS STEEL AND FASTENED TO THE SIDE WALL WITH 3/8" STAINLESS STEEL BOLT AND NUT. BRACKETS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.

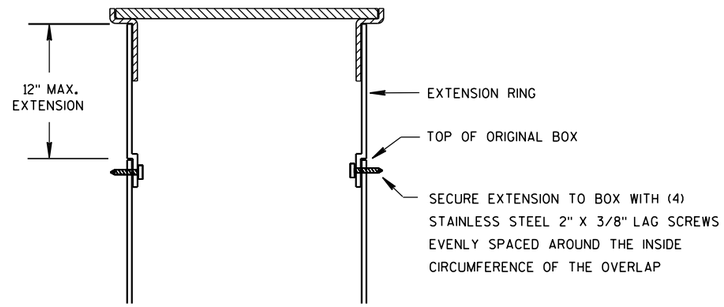
FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

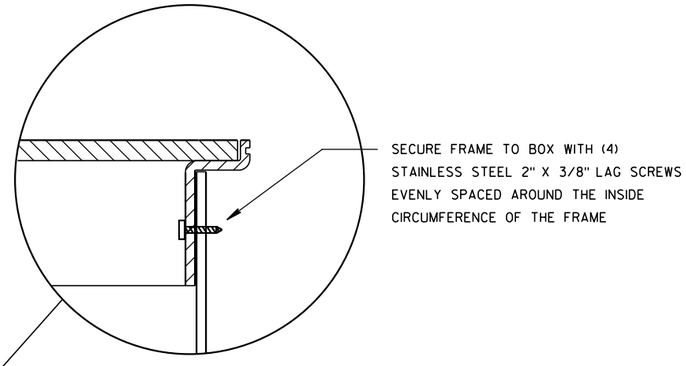
* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

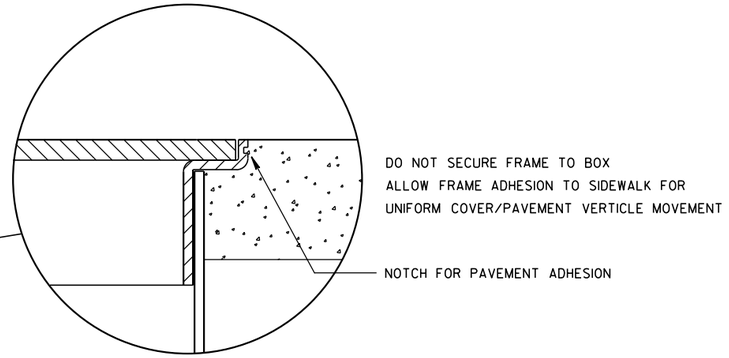


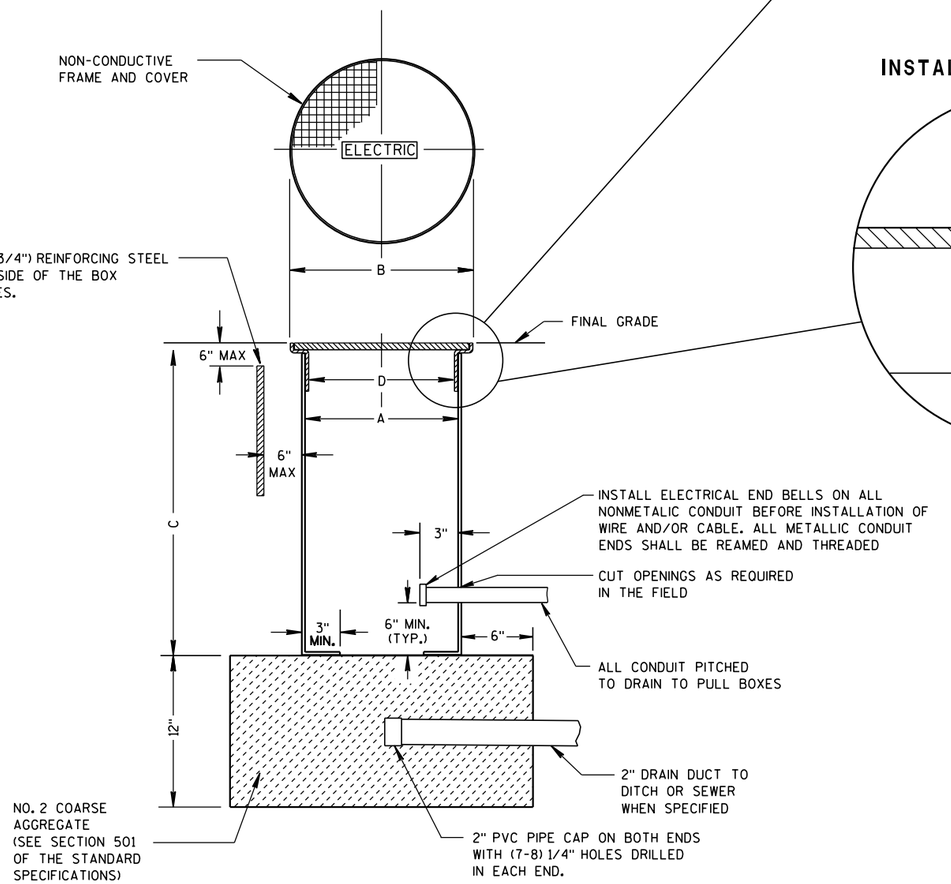
BOX EXTENSION

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK





NON-CONDUCTIVE PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

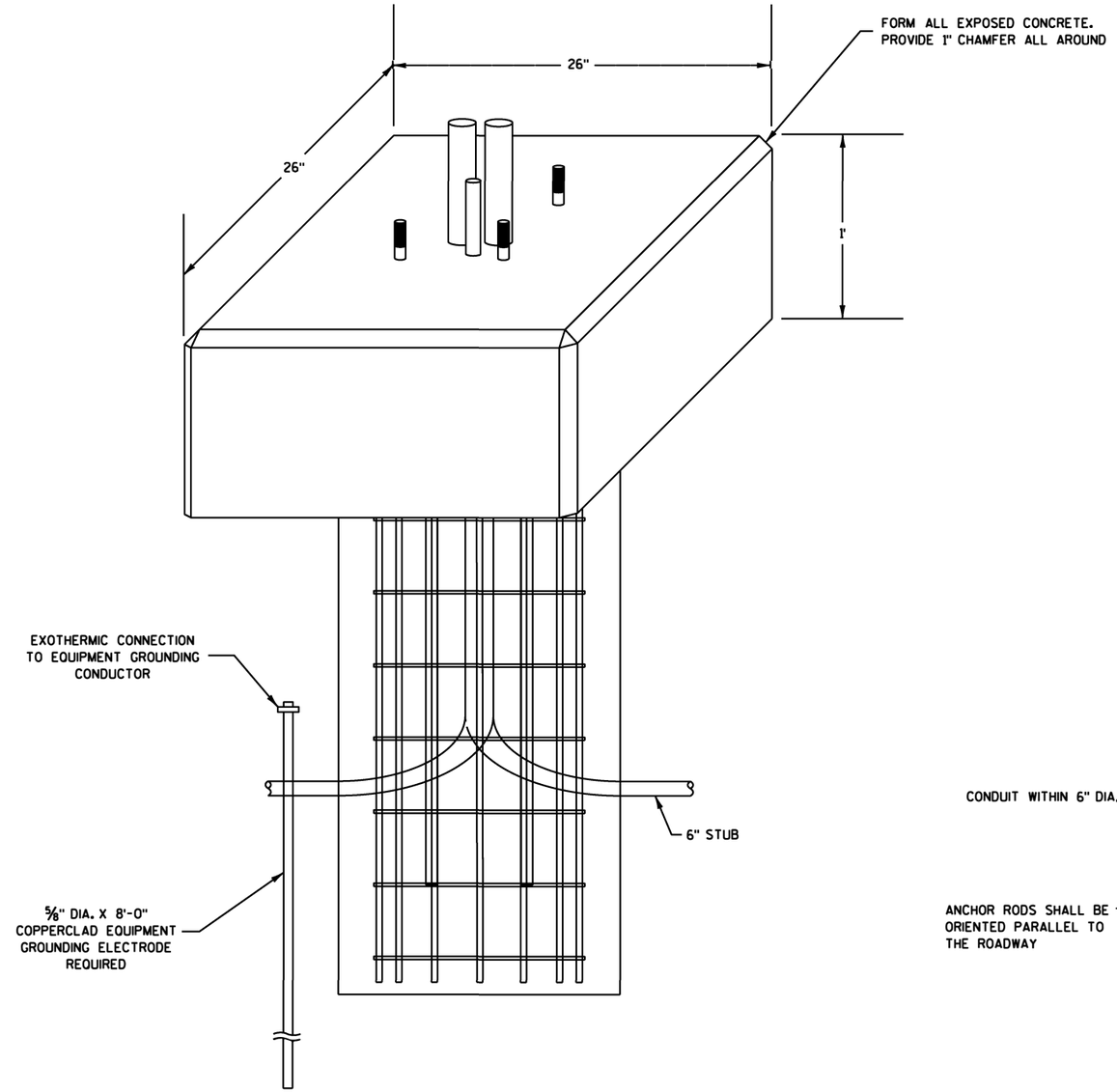
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL OR LIGHTING SYSTEMS.

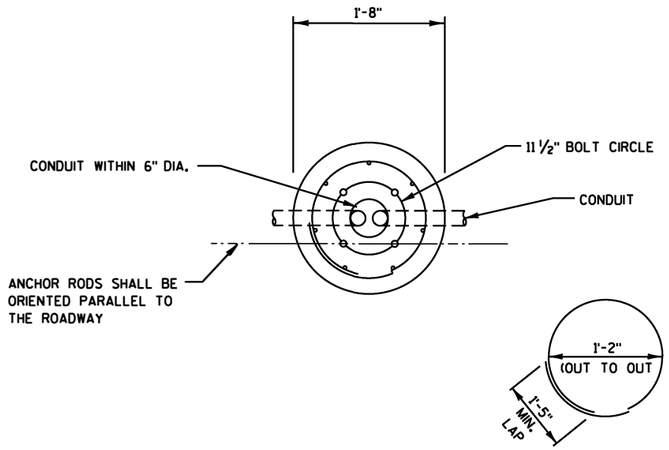
2

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD DETAIL DRAWING 9C2-7 CONCRETE BASES TYPES 5 & 6 AND THE STANDARD SPECIFICATIONS

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FLAT WITH LIGHT BROOM FINISH.





DECORATIVE STREET LIGHT BASE

NO SCALE

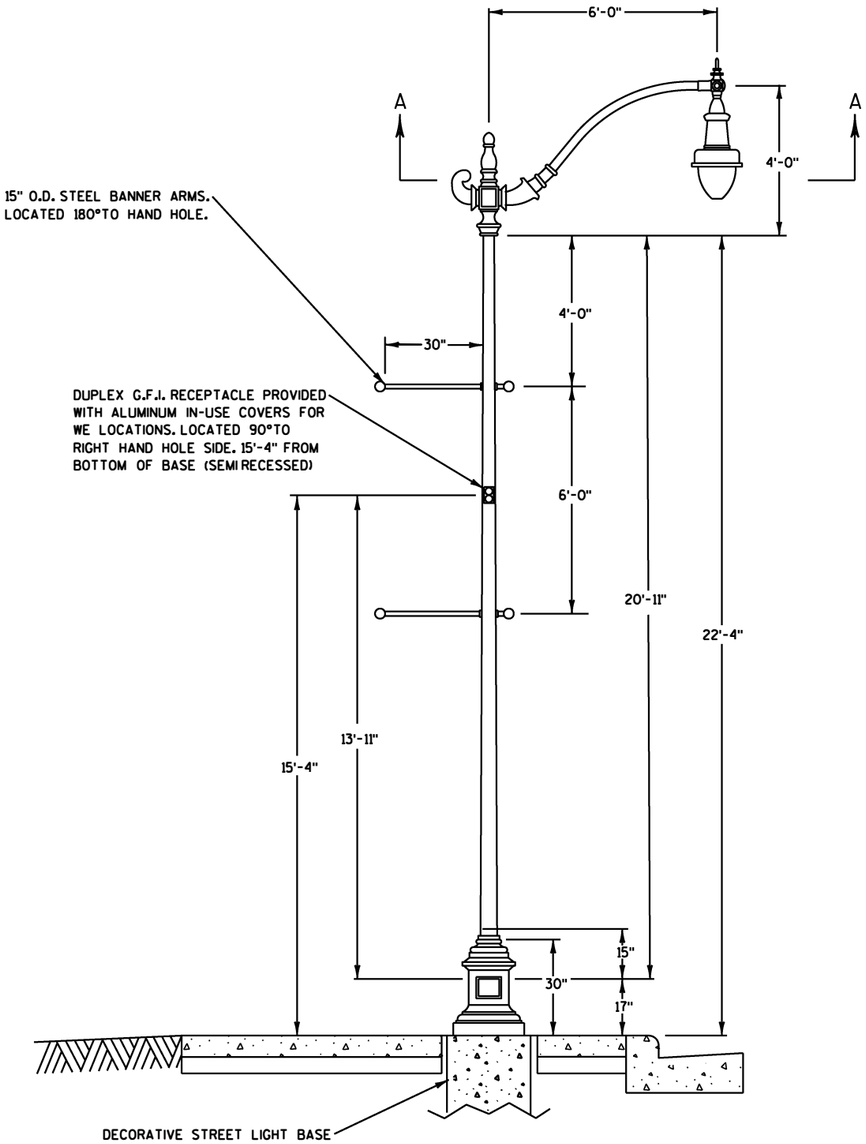
SHEET 2 OF X

PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	DECORATIVE LIGHTING - CONSTRUCTION DETAIL	SHEET	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

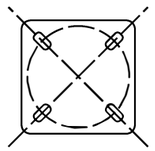
2



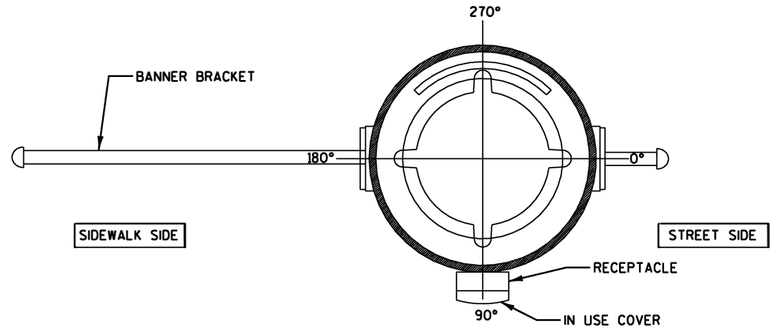
DECORATIVE STREET LIGHTING UNIT DETAIL

NO SCALE

TRANSFORMER BASE PLATE DETAIL



11 1/2" DIA.
BOLT CIRCLE

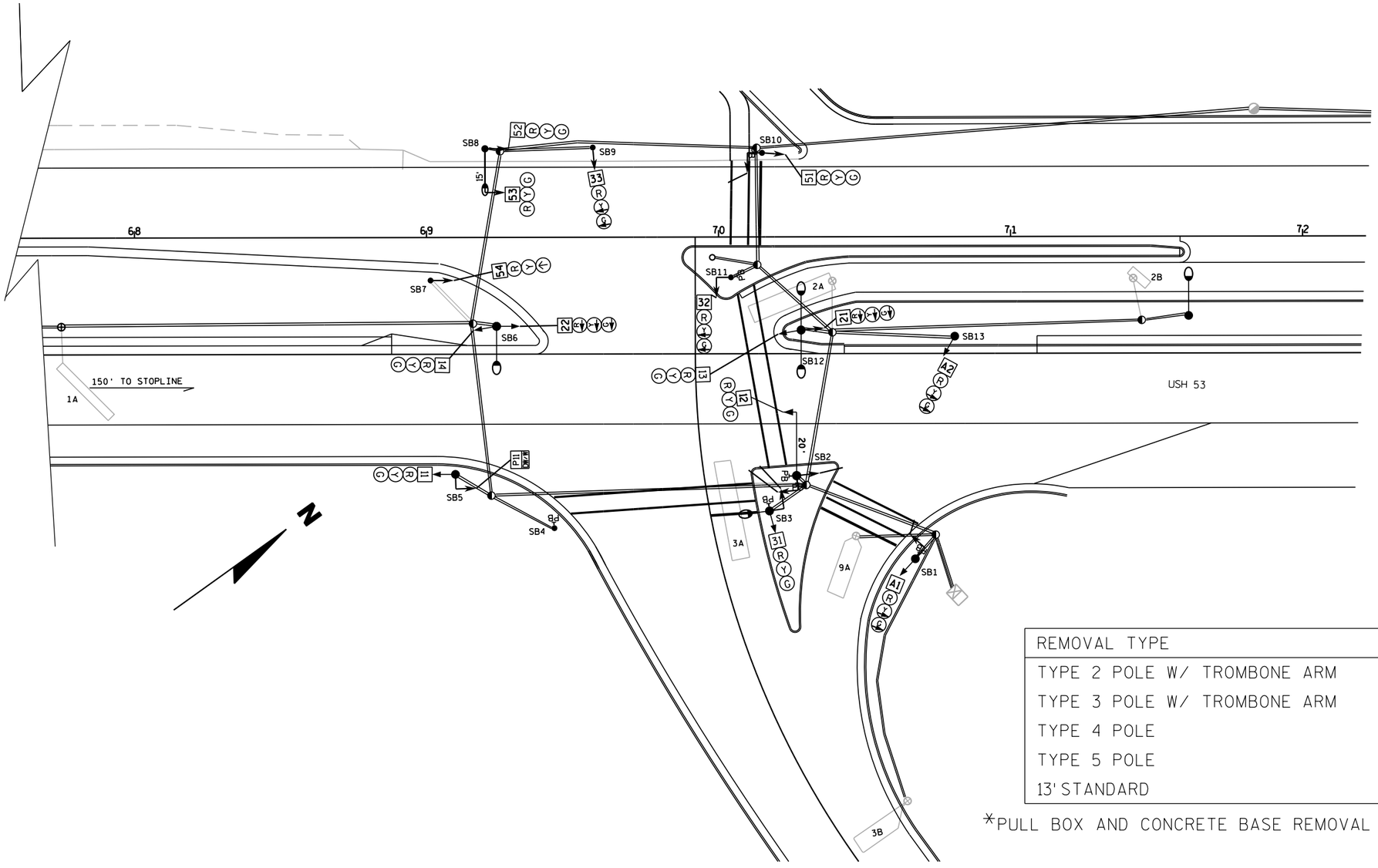


SECTION A-A
OVERHEAD VIEW

SHEET 3 OF X

PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	DECORATIVE LIGHTING - CONSTRUCTION DETAIL	SHEET 193	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE :

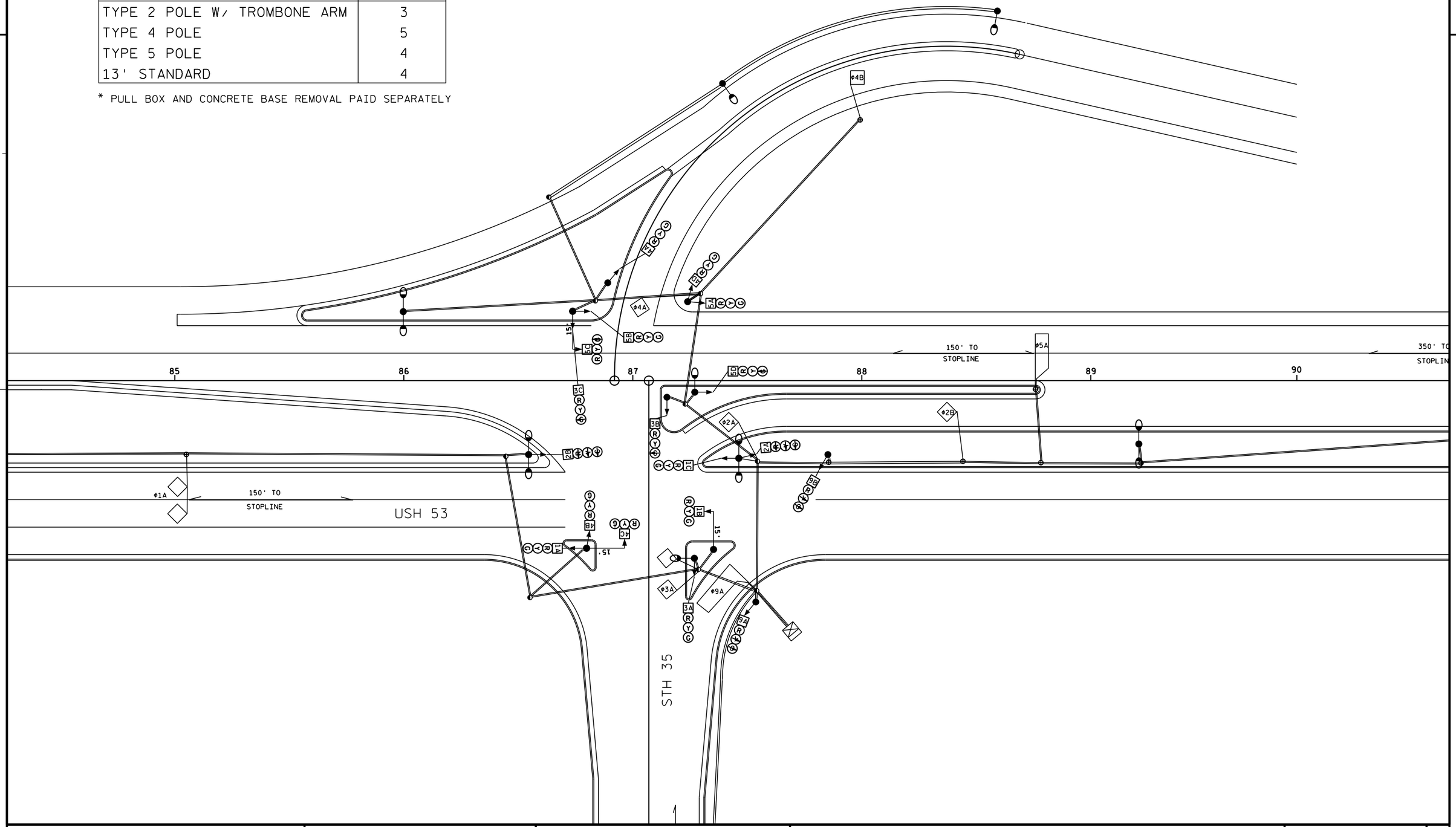


REMOVAL TYPE	QUANTITY
TYPE 2 POLE W/ TROMBONE ARM	1
TYPE 3 POLE W/ TROMBONE ARM	1
TYPE 4 POLE	3
TYPE 5 POLE	1
13' STANDARD	7

*PULL BOX AND CONCRETE BASE REMOVAL PAID SEPARATELY

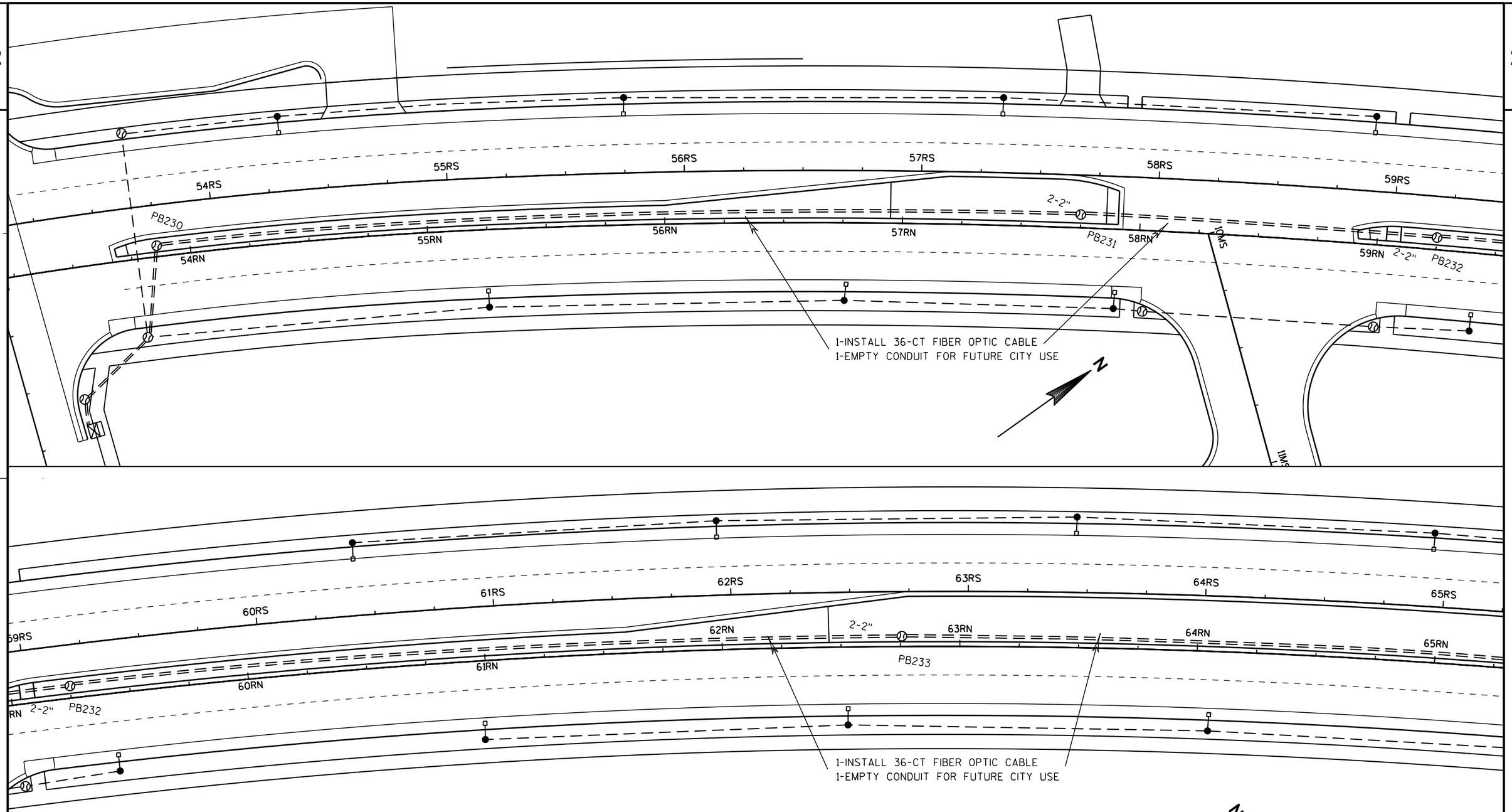
REMOVAL TYPE	QUANTITY
TYPE 2 POLE W/ TROMBONE ARM	3
TYPE 4 POLE	5
TYPE 5 POLE	4
13' STANDARD	4

* PULL BOX AND CONCRETE BASE REMOVAL PAID SEPARATELY



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL REMOVAL PLAN - USH 53/STH 35 INTERSECTION	SHEET 195	E

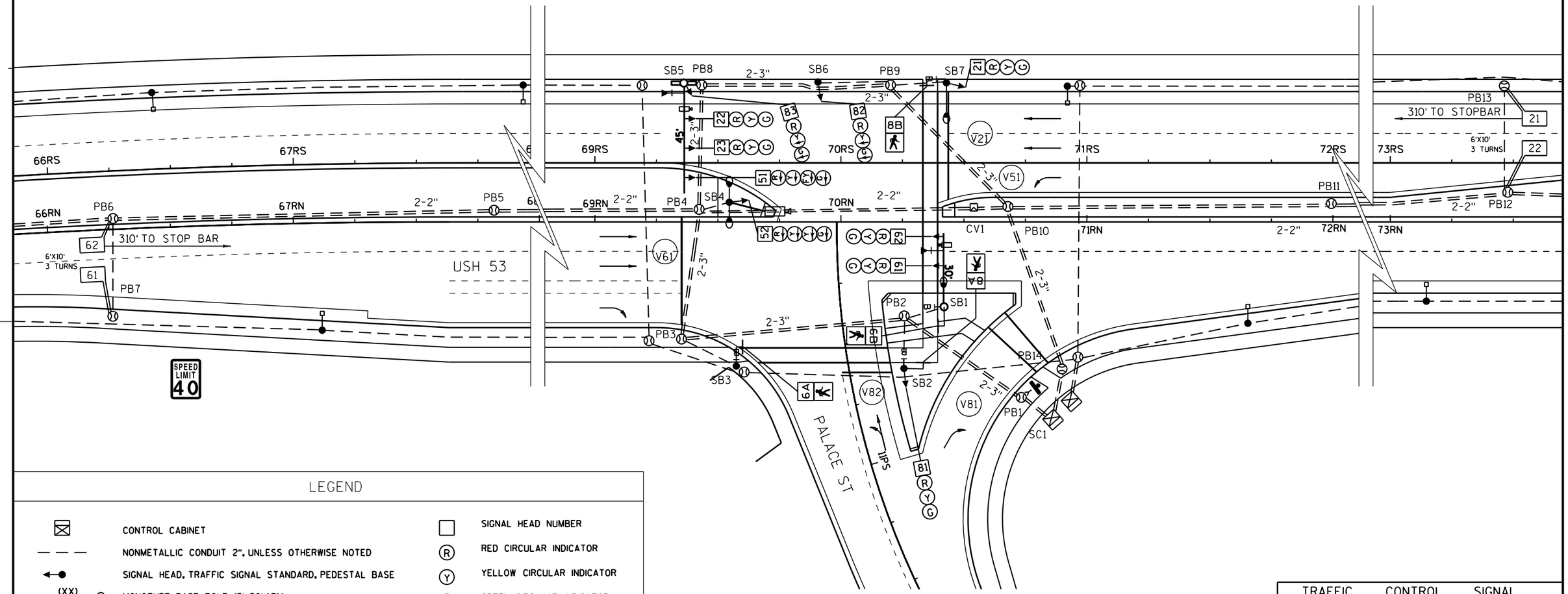
2



LEGEND	
— — —	NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
⊠	PULL BOX, 24" X 42"

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT	SHEET 196 E

Monotube Structure Numbers	
SB 1	S-32-0425-06
SB 5	S-32-0425-02



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE ARM
- COMMUNICATIONS VAULT
- PULL BOX, 24" X 42"
- VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE
- EVP DETECTOR
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER
- YIELD SIGN

TRAFFIC CONTROL SIGNAL

USH 53 & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. 32-0425 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date_____ REGION TRAFFIC ENGINEER

APPROVED

Date_____ STATE TRAFFIC ENGINEER

REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE OF

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 197 E

2

2

N

1-INSTALL 36-CT FIBER OPTIC CABLE
1-EMPTY CONDUIT FOR FUTURE CITY USE

76RS 77RS 78RS 79RS 80RS 81RS

PB201 2-2" PB202 2-2" PB203 2-2" PB204

76RN 77RN 78RN 79RN 80RN 81RN

LEGEND

— — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

PULL BOX, 24" X 42"

PROJECT NO:1071-08-82	HWY:USH 53	COUNTY:LA CROSSE	TRAFFIC SIGNAL INTERCONNECT	SHEET	E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-82\sheets\Signal\024003-sp.dgn PLOT DATE : 25-JUL-2016 08:55 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Monotube Structure Numbers	
SB 22	S-32-0248-04
SB 27	S-32-0248-06
SB 30	S-32-0248-03
SB 33	S-32-0248-02

3" CONDUIT FOR ELECTRICAL SERVICE

LC2 SC2 SB21 SB22 SB23 SB24 SB25 SB26 SB27 SB28 SB29 SB30 SB31 SB32 SB33

PB31 PB32 PB33 PB34 PB35 PB36 PB37 PB38 PB39 PB40 PB41 PB42 PB43 PB44

V11 V31 V41 V51 V52 VA1 VA2 CV2

83RS 85RS 86RS 87RS 88RS 90RS

83RN 85RN 86RN 87RN 88RN 90RN

USH 53

STH 35

310' TO STOPBAR

6'X10' 3 TURNS

2-2" 2-3" 3-2"

45' 55'

157WG 156WG

SPEED LIMIT 40

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE ARM
- COMMUNICATIONS VAULT
- PULL BOX, 24" X 42"
- VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE
- EVP DETECTOR
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER

TRAFFIC CONTROL SIGNAL

USH 53 & STH 35
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. 32-0248 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date_____ _____ REGION TRAFFIC ENGINEER

APPROVED
Date_____ _____ STATE TRAFFIC ENGINEER

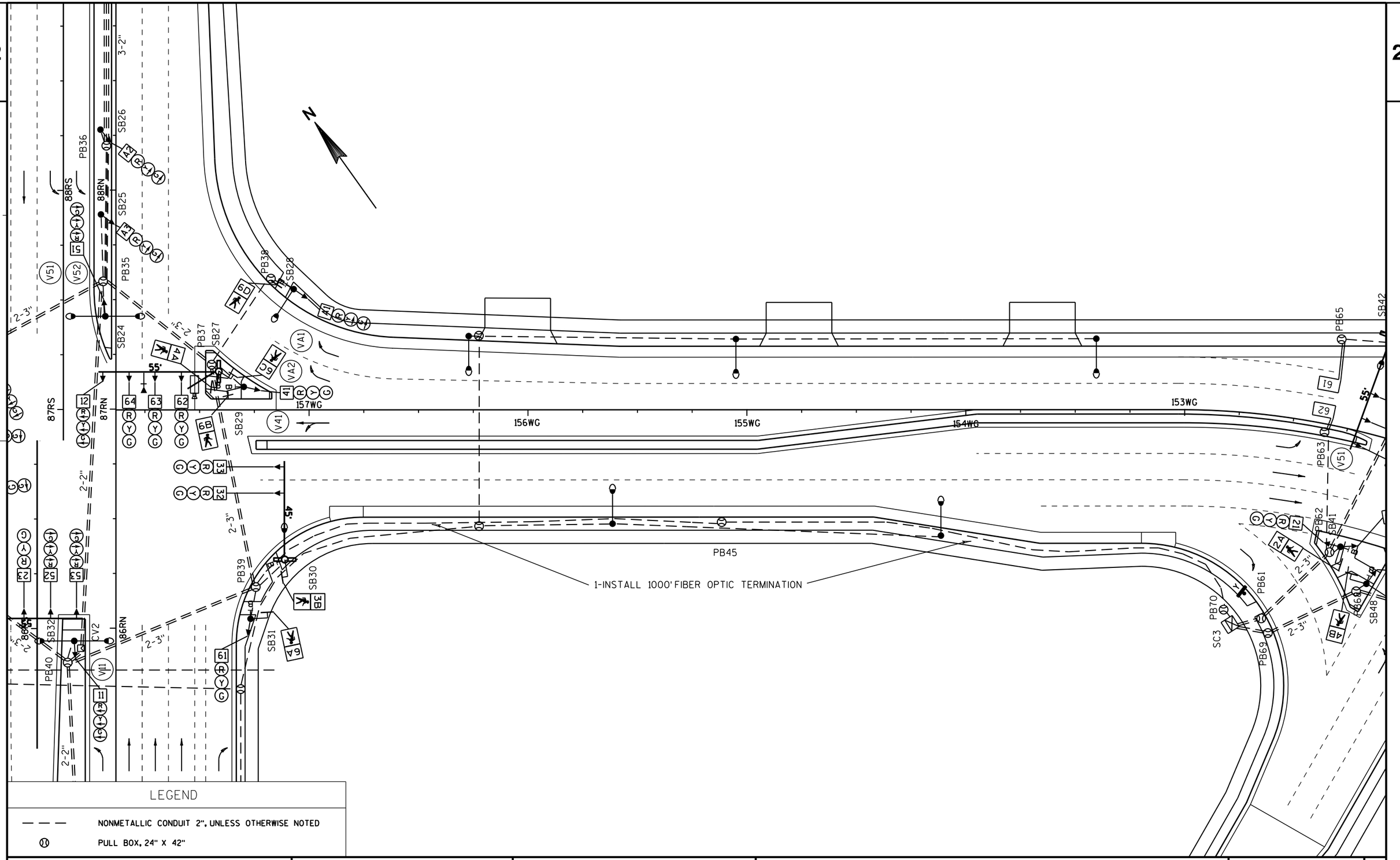
REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE OF

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 199 E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-82\sheets\Signal\024004-sp.dgn PLOT DATE : 25-JUL-2016 08:55 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

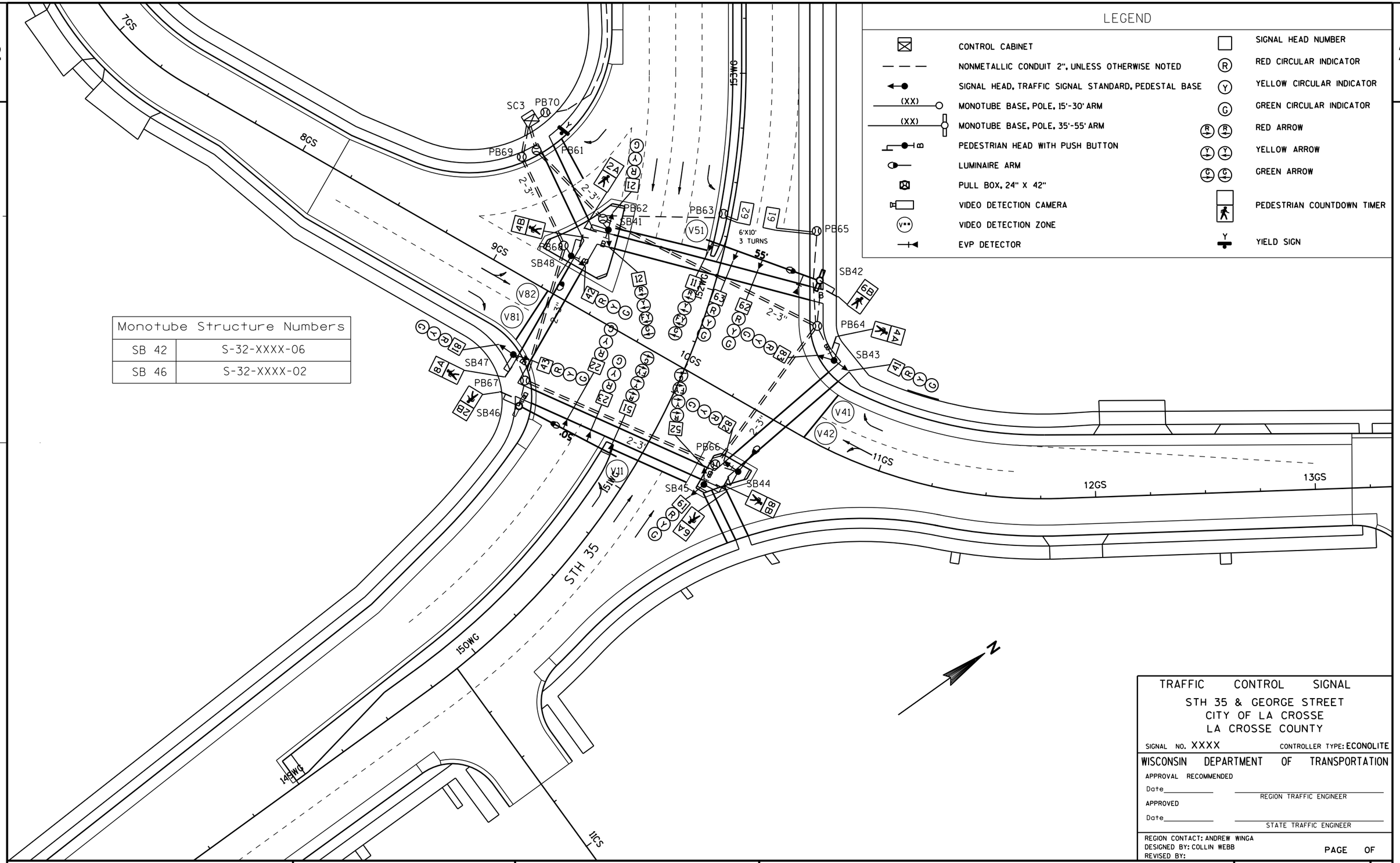
WISDOT/CADDS SHEET 42



PROJECT NO: 1071-08-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT	SHEET 200	E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-82\sheets\Signal\024005-sp.dgn PLOT DATE : 25-JUL-2016 08:55 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 201 E

2

PB33

PB34

21

22

89RS 90RS 91RS 92RS 93RS 94RS

88RS

PB36

88RN 89RN 90RN 91RN

25 SB26 3-2" PB205 3-2" PB206 92RN 93RN 3-2" PB207 94RN

1-INSTALL 36-CT FIBER OPTIC CABLE
1-EMPTY CONDUIT FOR FUTURE CITY USE

N

94RS 95RS 96RS 97RS 98RS PB209 99RS 100+00RS

PB207 3-2" PB208 2-2" 3-2"

94RN 95RN 96RN 97RN 98RN 99RN 100+00RN

1-INSTALL 36-CT FIBER OPTIC CABLE
1-EMPTY CONDUIT FOR FUTURE CITY USE

184+00F 185+00F

N

LEGEND

— — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED

PULL BOX, 24" X 42"

PROJECT NO: 1071-08-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT	SHEET 202	E

2

2

1-INSTALL 36-CT FIBER OPTIC CABLE
1-EMPTY CONDUIT FOR FUTURE CITY USE

98RS PB209 99RS 100+00RS 101+00RS 102+00RS 103+00RS 104+00RS

98RN 99RN 100+00RN PB210 101+00RN PB106 102+00RN PB105 103+00RN PB104 104+00RN

3-2" 3-2" 3-2" 3-2" 2-2" CV4

SC4 PB91 SB61 2-3" PB108 2B

2-3" SB73

62 61 PB107

2" CONDUIT FOR RAMP GATE

3" CONDUIT FOR ELECTRICAL SERVICE

2-3" PB

184+00F 185+00F 186+00F 187+00F 188+00F 189+00F

SB74 PB111

PB102 SB71 3" PB103 SB70

LEGEND

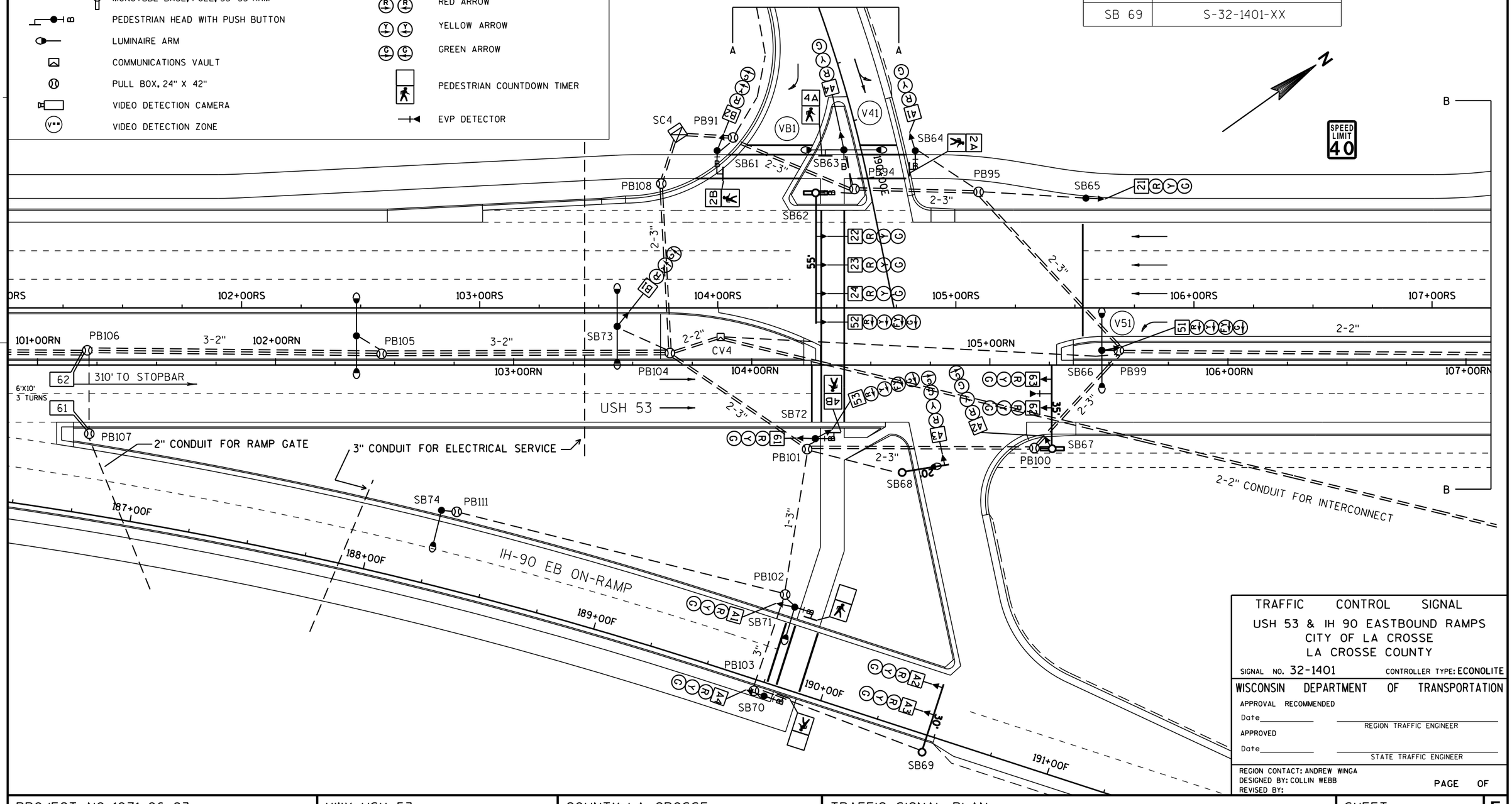
— — —	NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
ⓅⒷ	PULL BOX, 24" X 42"

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 203	E

LEGEND

CONTROL CABINET	SIGNAL HEAD NUMBER
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	RED CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE	YELLOW CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 15'-30' ARM	GREEN CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 35'-55' ARM	RED ARROW
PEDESTRIAN HEAD WITH PUSH BUTTON	YELLOW ARROW
LUMINAIRE ARM	GREEN ARROW
COMMUNICATIONS VAULT	
PULL BOX, 24" X 42"	PEDESTRIAN COUNTDOWN TIMER
VIDEO DETECTION CAMERA	
VIDEO DETECTION ZONE	EVP DETECTOR

Monotube Structure Numbers	
SB 62	S-32-1401-02
SB 67	S-32-1401-06
SB 68	S-32-1401-04
SB 69	S-32-1401-XX



TRAFFIC CONTROL SIGNAL

USH 53 & IH 90 EASTBOUND RAMPS
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. 32-1401 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date_____ REGION TRAFFIC ENGINEER

APPROVED

Date_____ STATE TRAFFIC ENGINEER

REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

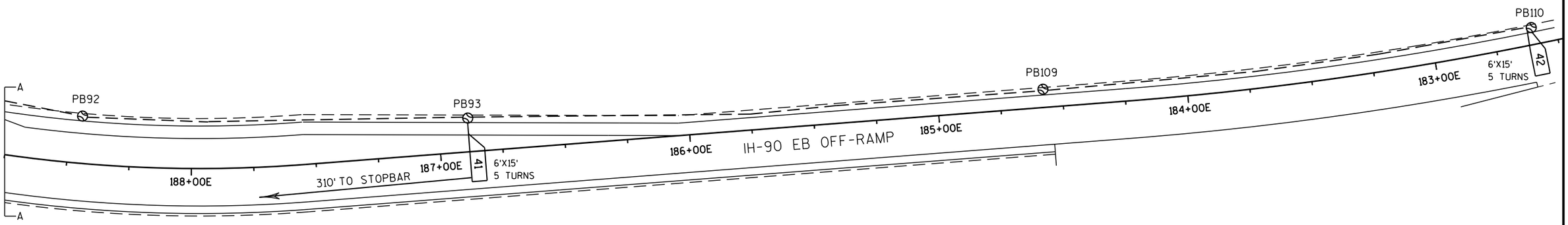
PAGE OF

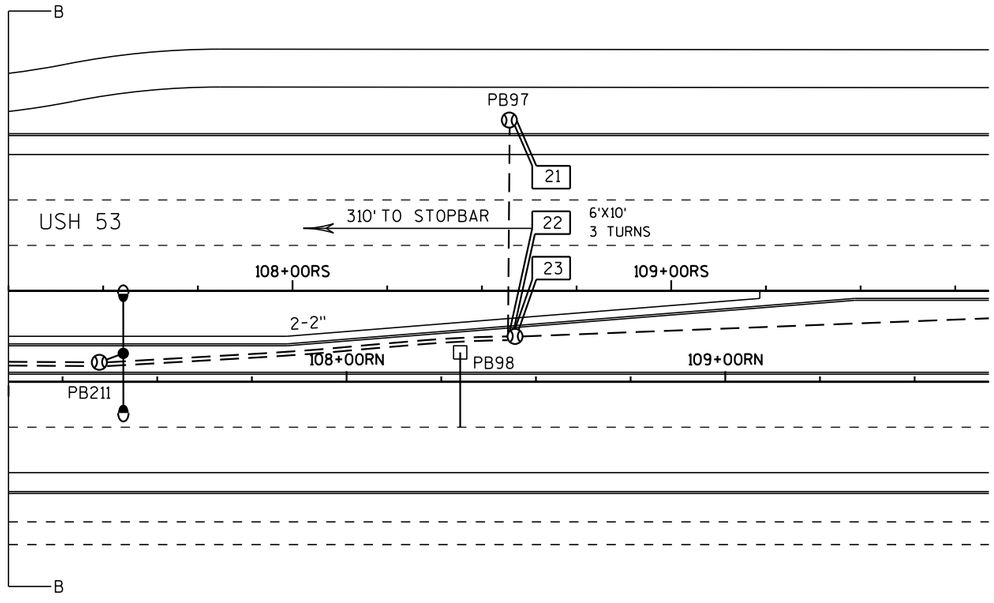
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 204 E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-83\sheets\Signal\024002-sp.dgn PLOT DATE : 25-JUL-2016 09:01 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2





LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE ARM
- PULL BOX, 24" X 42"

TRAFFIC CONTROL SIGNAL
USH 53 & IH 90 EASTBOUND RAMPS
CITY OF LA CROSSE
LA CROSSE COUNTY

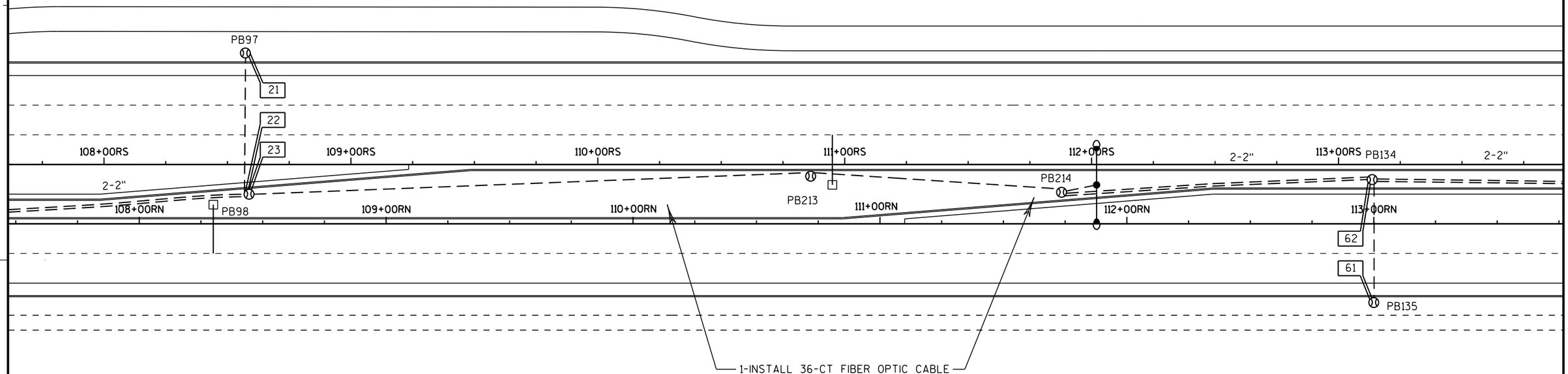
SIGNAL NO. 32-1401

REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE OF

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 205 E

2



2-2" CONDUIT FOR INTERCONNECT

EXISITING ITS CABINET

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE ARM
- PULL BOX, 24" x 36"
- PULL BOX, 24" X 42"

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 206	E

2

SPEED LIMIT 40

USH 53

PB135 PB134 PB133 PB132 PB131 PB136 PB137 PB122 PB123 PB124 PB125 PB126 PB127 PB128 PB215

SB88 SB89 SB87 SB86 SB85 SB84 SB83 SB82 SB81

SC5 CV5

V11 V83 V82 V81 VA1

113+00RS 115+00RS 116+00RS 117+00RS 118+00RS 120+00RS

113+00RN 115+00RN 116+00RN 117+00RN 118+00RN 120+00RN

2-3" 2-2"

55' 50' 45'

201+00N 200+00G 201+00G

IH 90 WB OFF-RAMP

310' TO STOPBAR

6'X10' 3 TURNS

A A

N

Monotube Structure Numbers	
SB 84	S-32-1402-06
SB 88	S-32-1402-02
SB 89	S-32-1402-08

LEGEND

CONTROL CABINET	SIGNAL HEAD NUMBER
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	RED CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE	YELLOW CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 15'-30' ARM	GREEN CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 35'-55' ARM	RED ARROW
PEDESTRIAN HEAD WITH PUSH BUTTON	YELLOW ARROW
LUMINAIRE ARM	GREEN ARROW
COMMUNICATIONS VAULT	
PULL BOX, 24" X 42"	PEDESTRIAN COUNTDOWN TIMER
VIDEO DETECTION CAMERA	
VIDEO DETECTION ZONE	EVP DETECTOR

TRAFFIC CONTROL SIGNAL

USH 53 & IH 90 WESTBOUND RAMPS
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. 32-1402 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date_____ REGION TRAFFIC ENGINEER

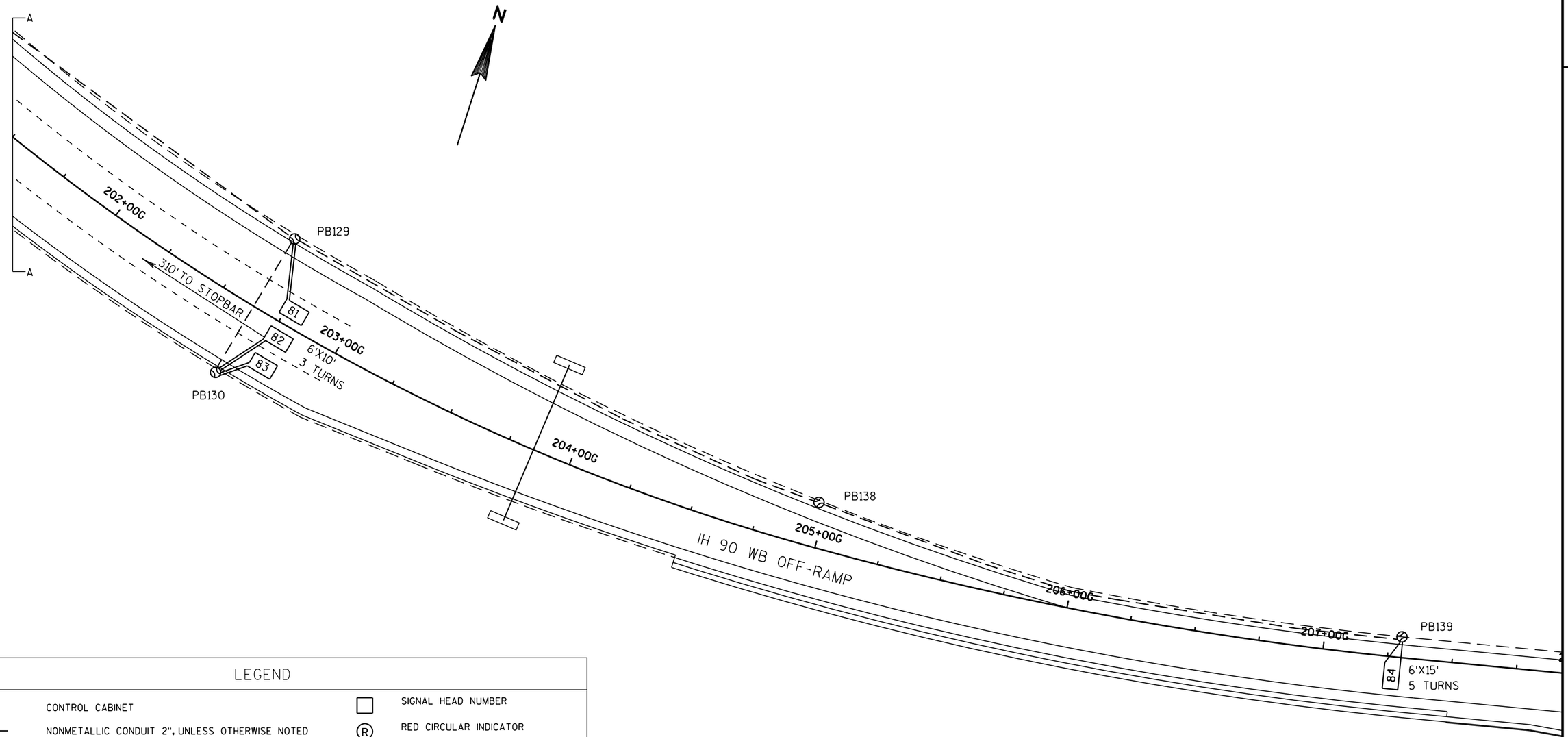
APPROVED

Date_____ STATE TRAFFIC ENGINEER

REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE OF

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 207 E



LEGEND

CONTROL CABINET	SIGNAL HEAD NUMBER
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	RED CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE	YELLOW CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 15'-30' ARM	GREEN CIRCULAR INDICATOR
(XX) MONOTUBE BASE, POLE, 35'-55' ARM	RED ARROW
PEDESTRIAN HEAD WITH PUSH BUTTON	YELLOW ARROW
LUMINAIRE ARM	GREEN ARROW
COMMUNICATIONS VAULT	
PULL BOX, 24" X 42"	PEDESTRIAN COUNTDOWN TIMER
VIDEO DETECTION CAMERA	
V** VIDEO DETECTION ZONE	EVP DETECTOR

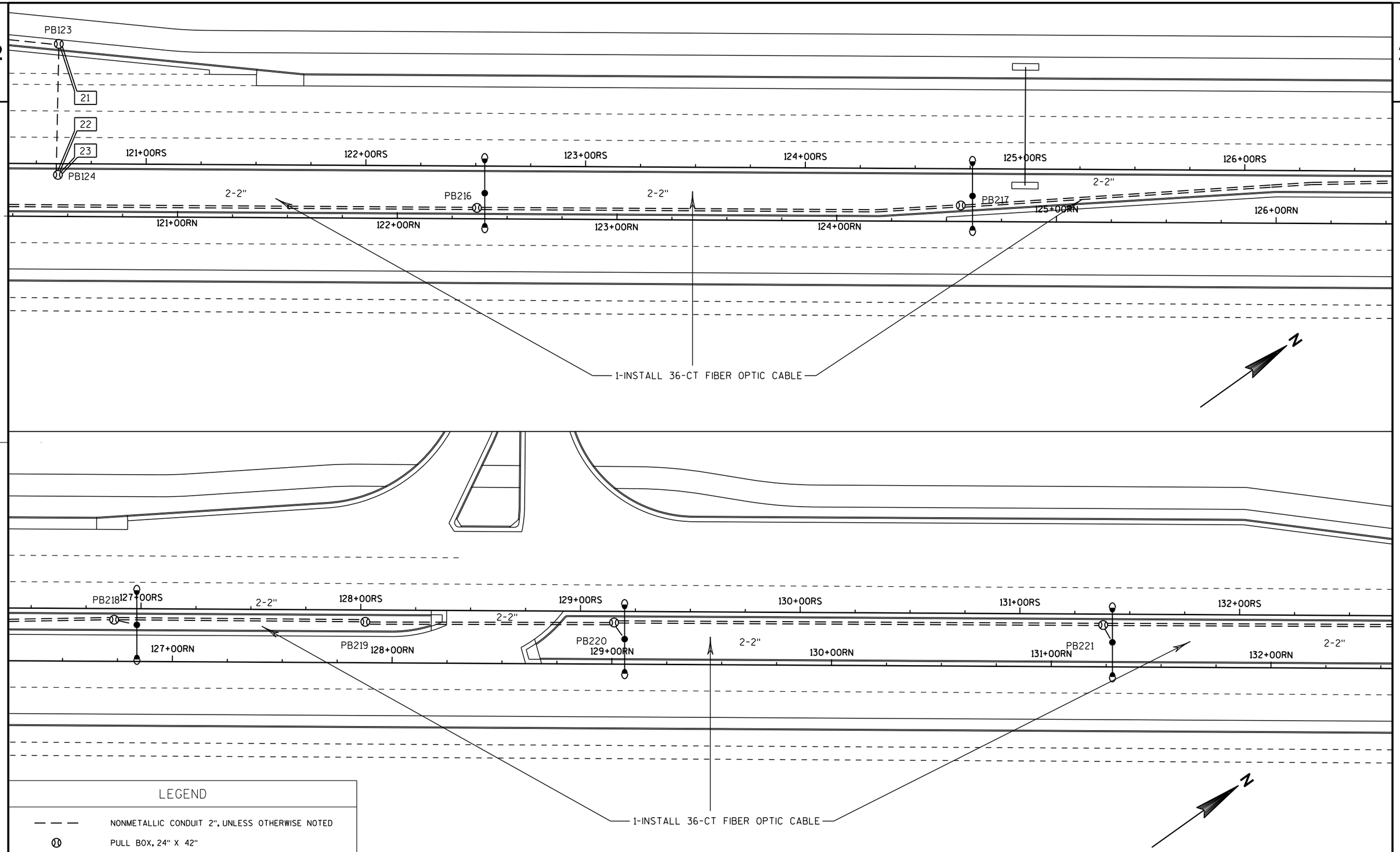
TRAFFIC CONTROL SIGNAL
USH 53 & IH 90 WESTBOUND RAMPS
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. 32-1402

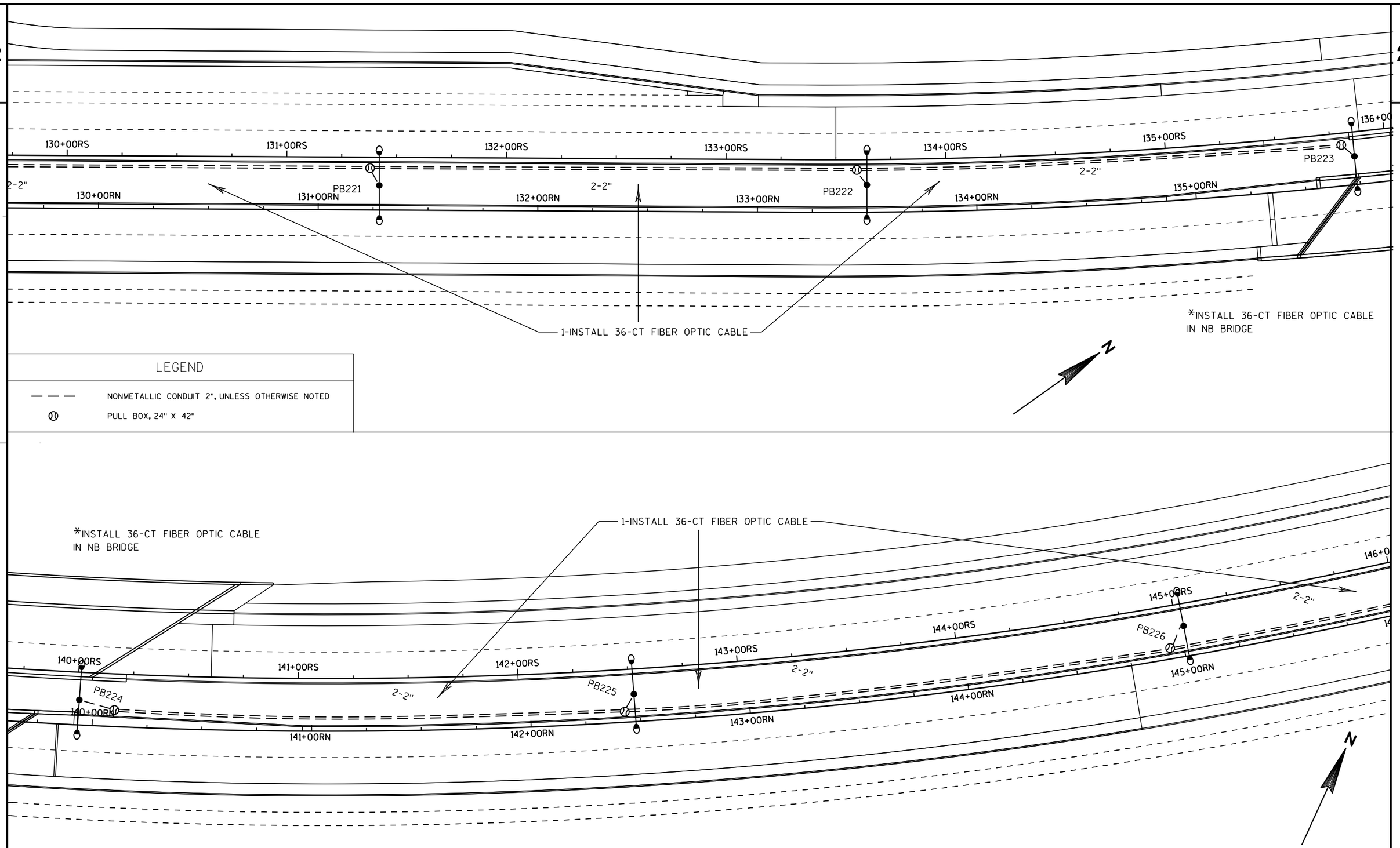
REGION CONTACT: ANDREW WINGA
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE OF

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 208	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 209 E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 210 E

2

2

1-INSTALL 36-CT FIBER OPTIC CABLE

146+00RS

147+00RS

148+00RS

149+00RS

150+00RS

151+00RS

2-2"

2-2"

PB227

EPB14

EPB4

146+00RN

147+00RN

148+00RN

149+00RN

150+00RN

151+00RN

EPB

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- COMMUNICATIONS VAULT
- PULL BOX, 24" X 42"

*GRAYSHADE REPRESENTS EXISTING

45'

50'

155+00RS

156+00RN

157+00RN

155+00RN

154+00RN

153+00RS

152+00RS

151+00RS

153+00RN

152+00RN

151+00RN

EPB13

EPB4

SB7

EPB3

EPB2

EPB1

ECV1

ESC1

1-INSTALL 36-CT FIBER OPTIC CABLE

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 211	E

FILE NAME : \\lax31fp2\p3projects\State\i90\10710608\Traffic\1071-06-83\sheets\Signal\024009-sp.dgn PLOT DATE : 25-JUL-2016 09:01 PLOT BY : dotc5w PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH

WISCONSIN
TRISTAN L. HICKMAN
E-43340
MILWAUKEE
WI
PROFESSIONAL ENGINEER

7-28-2016

N

WP2
69+37RS - 50'LT

WP3
70+42RS - 51'LT

OFF-PEAK CLOSURES ANTICIPATED FOR TEMPORARY PAVING OPERATION

ROSE ST SB

67RS 68RS 69RS 70RS 71RS 72RS 73RS

67RN 68RN 69RN 70RN 71RN 72RN 73RN

21

51

61

ROSE ST NB

41

WP1
69+35RN - 65'RT

WP4
70+29RN - 70'RT

4 3 6 7 8 9 1 2 5

12PS

PALACE ST

SUMMARY

WOOD POLES	4
SIGNAL HEADS	8
LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

CONSTRUCTION NOTES
1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

TRAFFIC CONTROL SIGNAL
ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 1 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1A	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\gg_0682_024101_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

N

OFF-PEAK CLOSURES ANTICIPATED FOR
TEMPORARY PAVING OPERATION

WP2

WP3

WP1

WP4

ROSE ST SB

ROSE ST NB

PALACE ST

67RS 68RS 69RS 70RS 71RS 72RS 73RS

67RN 68RN 69RN 70RN 71RN 72RN 73RN

21

51

61

41

11PS

12PS

MH

INL

SIGN

FILLER
CAPS

CANOPY

TRAFFIC CONTROL SIGNAL
ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1B	SHEET 213	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024111_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

N

WP1

WP2

WP3

WP4

ROSE ST SB

ROSE ST NB

PALACE ST

61

51

21

41

11PS

12PS

67RS

68RS

69RS

70RS

71RS

72RS

73RS

67RN

68RN

69RN

70RN

71RN

72RN

73RN

INL

MH

SIGN

CANOPY

FILLER CAPS

TRAFFIC CONTROL SIGNAL
ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

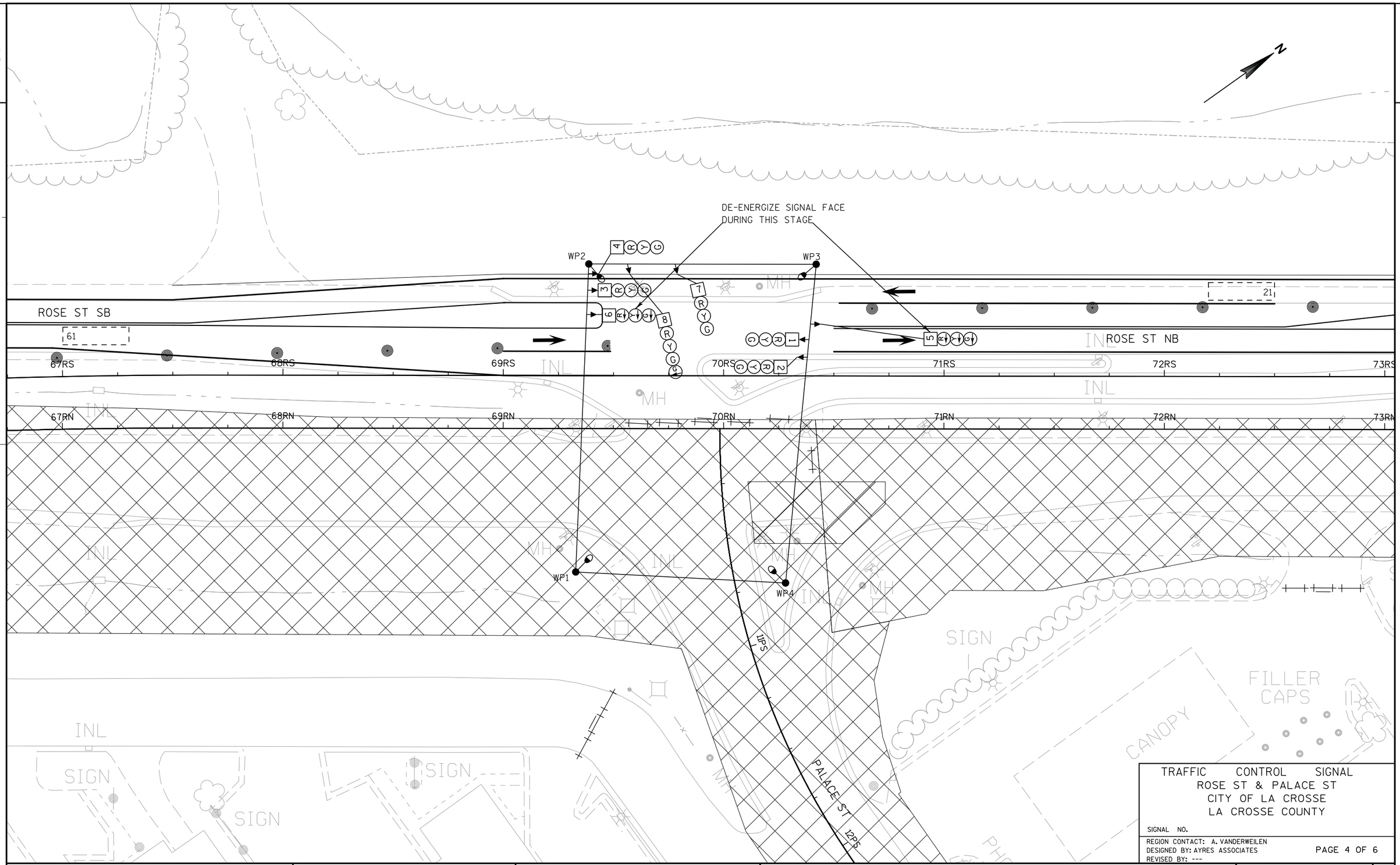
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 214	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024131_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40



TRAFFIC CONTROL SIGNAL
ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 4 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 215	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024141_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

N

8 R Y G

7 R Y G

WP2

WP3

67RS 68RS 69RS 70RS 71RS 72RS 73RS

67RN 68RN 69RN 70RN 71RN 72RN 73RN

4 R Y G

3 R Y G

ROSE ST SB

61

51

21

1 G Y R

2 G Y R

5 R Y G

6 R Y G

ROSE ST NB

WP1

WP4

41

11PS

12PS

PALACE ST

INL

MH

SIGN

FILLER CAPS

CANOPY

TRAFFIC CONTROL SIGNAL
ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

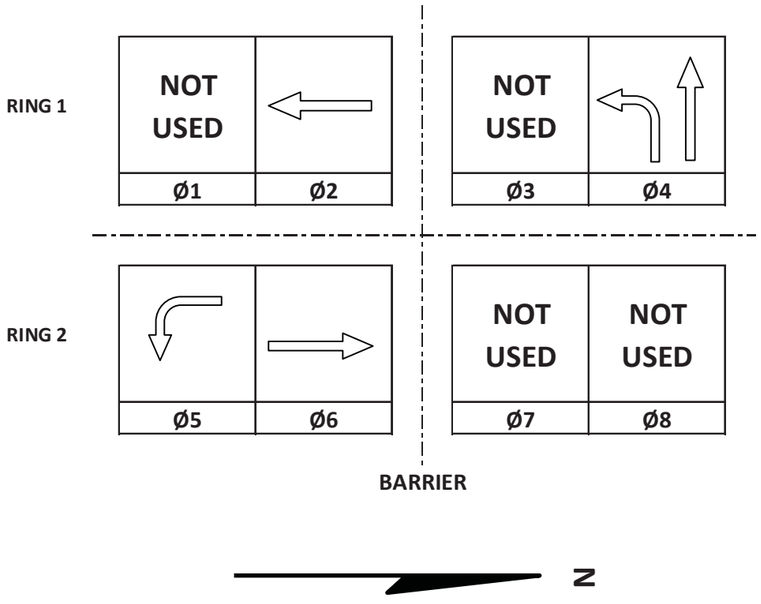
PAGE 5 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3A	SHEET 216	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024151_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3,4	R
Ø3		
Ø4	7,8	R
Ø5	5,6	R ←
Ø6	1,2	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5				X
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE PHASE 5 DURING STAGE 2B. SIGNALS TO BE TEMPORARILY DE-ENERGIZED.

ROSE ST & PALACE ST
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: EPAC
DATE: 8/16 PAGE NO. 3 OF 3

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

Y YIELD SIGN

N

WP1
86+15RN - 62' RT

WP2
86+63RS - 50' LT

WP3
87+45RS - 62' LT

WP4
87+81RN - 58' RT

84RS 85RS 86RS 87RS 88RS 89RS 90RS

84RN 85RN 86RN 87RN 88RN 89RN 90RN

ROSE ST SB

ROSE ST NB

W. GEORGE ST

157WG

156WG

61 41 31 51 21

INL MH SIGN

CONSTRUCTION NOTES
1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

SUMMARY	
WOOD POLES	4
SIGNAL HEADS	10
LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

TRAFFIC CONTROL SIGNAL
ROSE ST & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

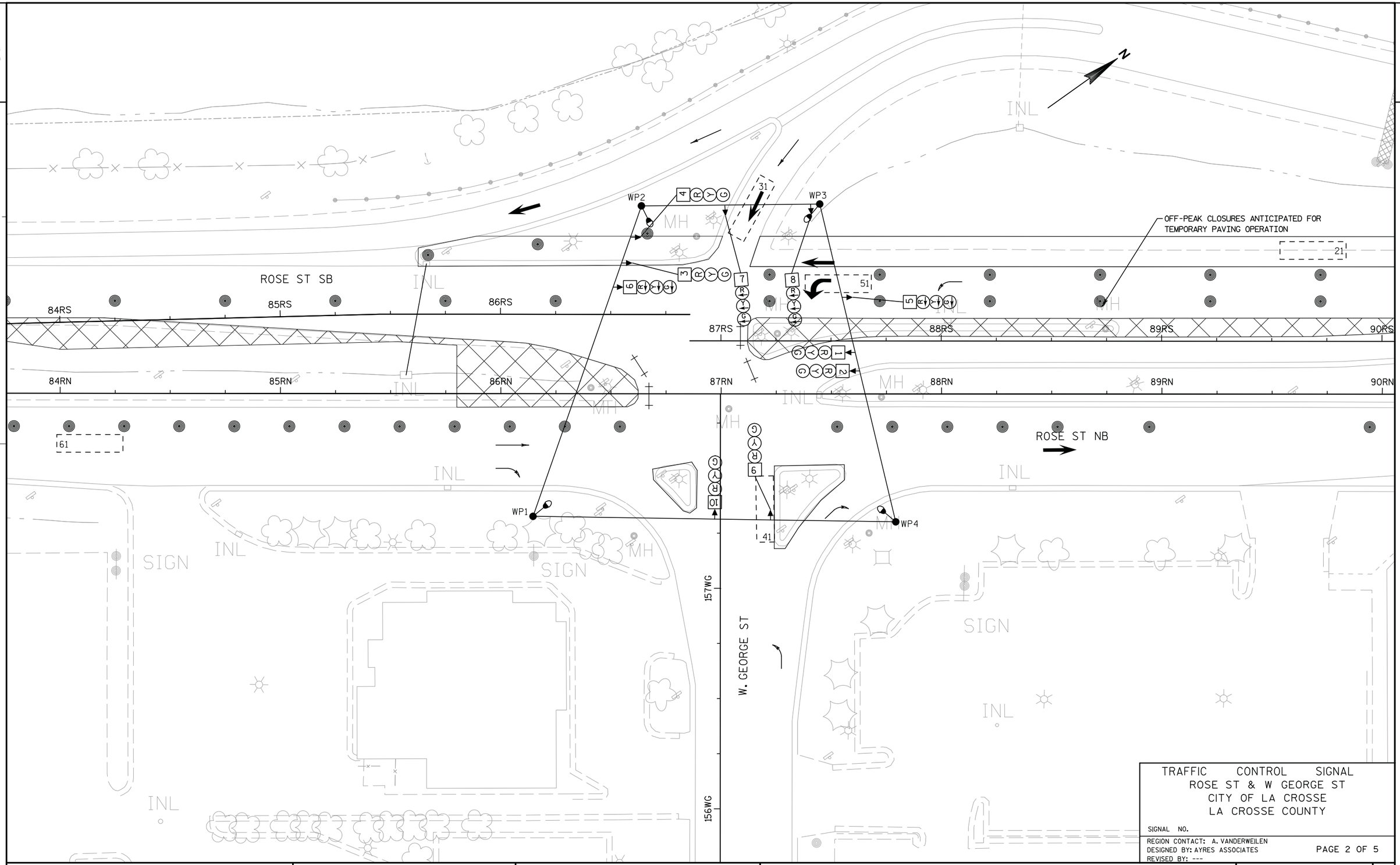
PAGE 1 OF 5

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1A	SHEET 218 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024102_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
ROSE ST & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

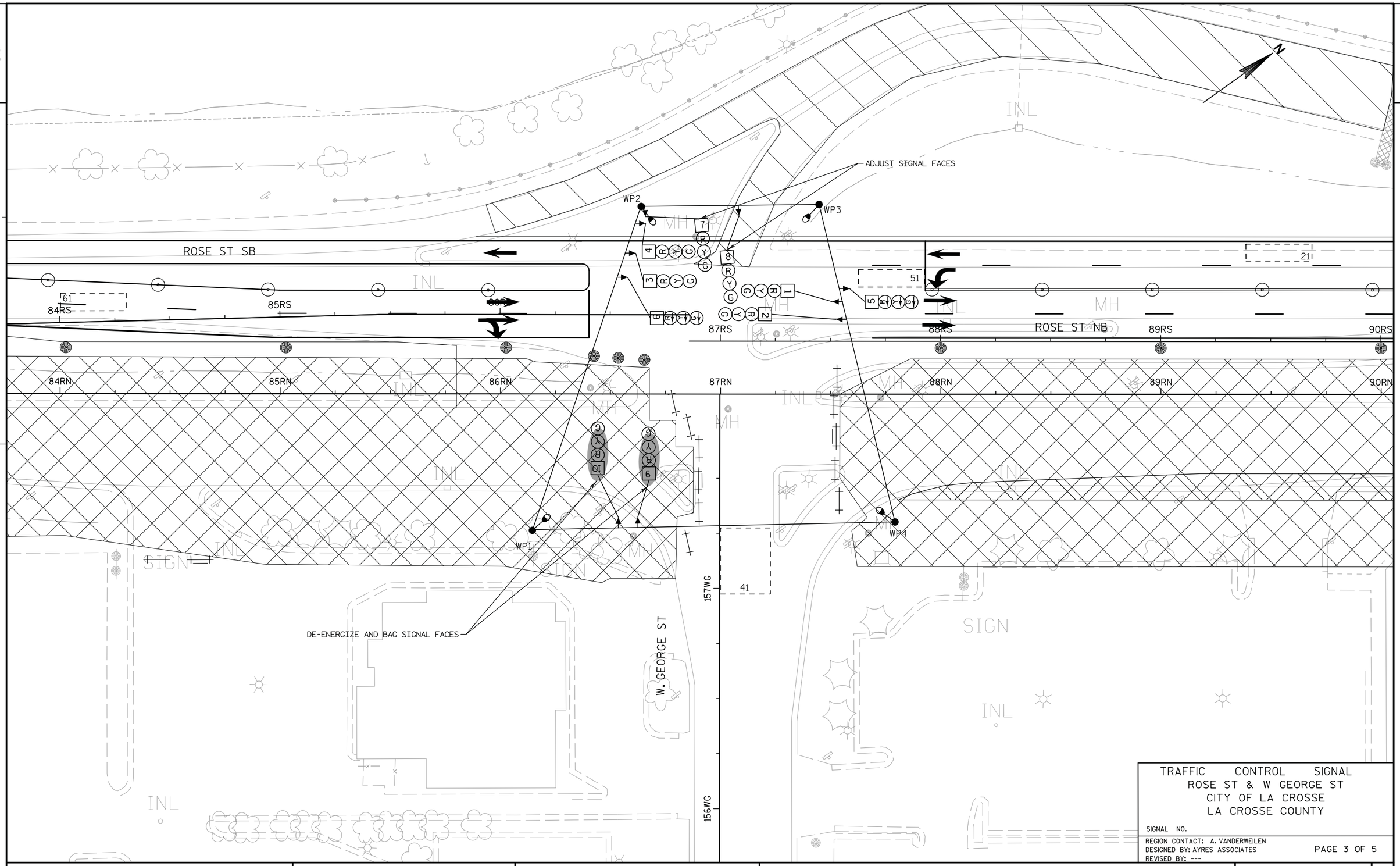
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 5

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1B	SHEET 219	E

2



TRAFFIC CONTROL SIGNAL
ROSE ST & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

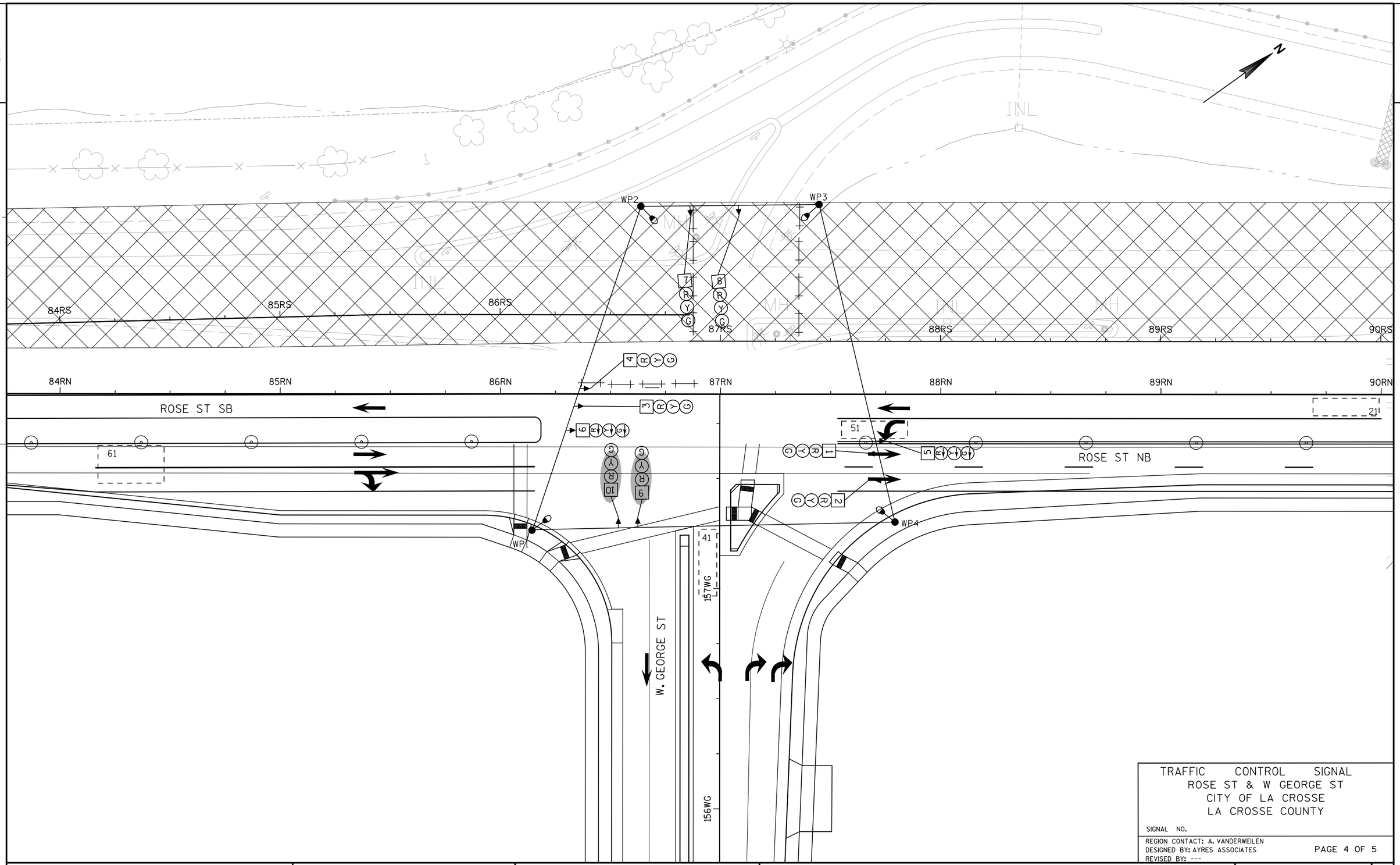
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 5

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A & 2B	SHEET 220	E

2



TRAFFIC CONTROL SIGNAL
ROSE ST & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

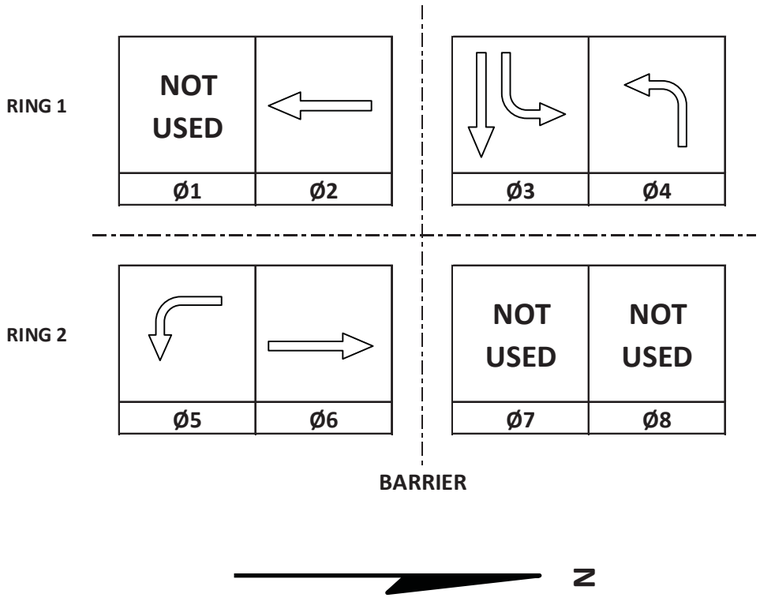
REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 4 OF 5

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3	SHEET 221	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024142_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3,4	R
Ø3	9,10	R ←
Ø4	7,8	R
Ø5	5,6	R ←
Ø6	1,2	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				X
4				X
5				X
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2.

ROSE ST & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: TEMP — CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 — PAGE NO. 5 OF 5

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGNAL BAGGED DURING STAGE
- S STOP SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH

N

WP1
151+18WG-68' RT

WP2
150+97WG-54' LT

WP3
151+25WG-80' LT

WP4
151+82WG-72' LT

WP5
152+05WG- 72' RT

149WG
150WG
151WG
152WG
153WG
154

STH 35/ W GEORGE ST.

GEORGE ST

9GS
10GS
11GS

61
41
21

NOTE: DO NOT OPERATE SIGNALS DURING THIS PHASE. GEORGE ST. OPERATES AS 'STOP CONTROLLED'.

SUMMARY	
WOOD POLES	5
SIGNAL HEADS	12
LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

CONSTRUCTION NOTES

1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

TRAFFIC CONTROL SIGNAL
STH 35 & GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 1 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1B	SHEET 223	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024113_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

N

STH 35/ W GEORGE ST.

GEORGE ST

85S

95S

105S

115S

149WG

150WG

151WG

152WG

153WG

154WG

155WG

61

81

51

21

11

41

WP1

WP2

WP3

WP4

WP5

INL

SIGN

HW

PHONE

FILLER CAPS

TRAFFIC CONTROL SIGNAL
STH 35 & GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1C	SHEET 224	E

2

N

S98

S96

S95

81

21

61

11

41

WP1

WP2

WP3

WP4

WP5

149WG

150WG

151WG

152WG

153WG

154WG

155WG

STH 35/ W GEORGE ST.

GEORGE ST

INL

SIGN

PHONE

FILLER CAPS

HW

TRAFFIC CONTROL SIGNAL
STH 35 & GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

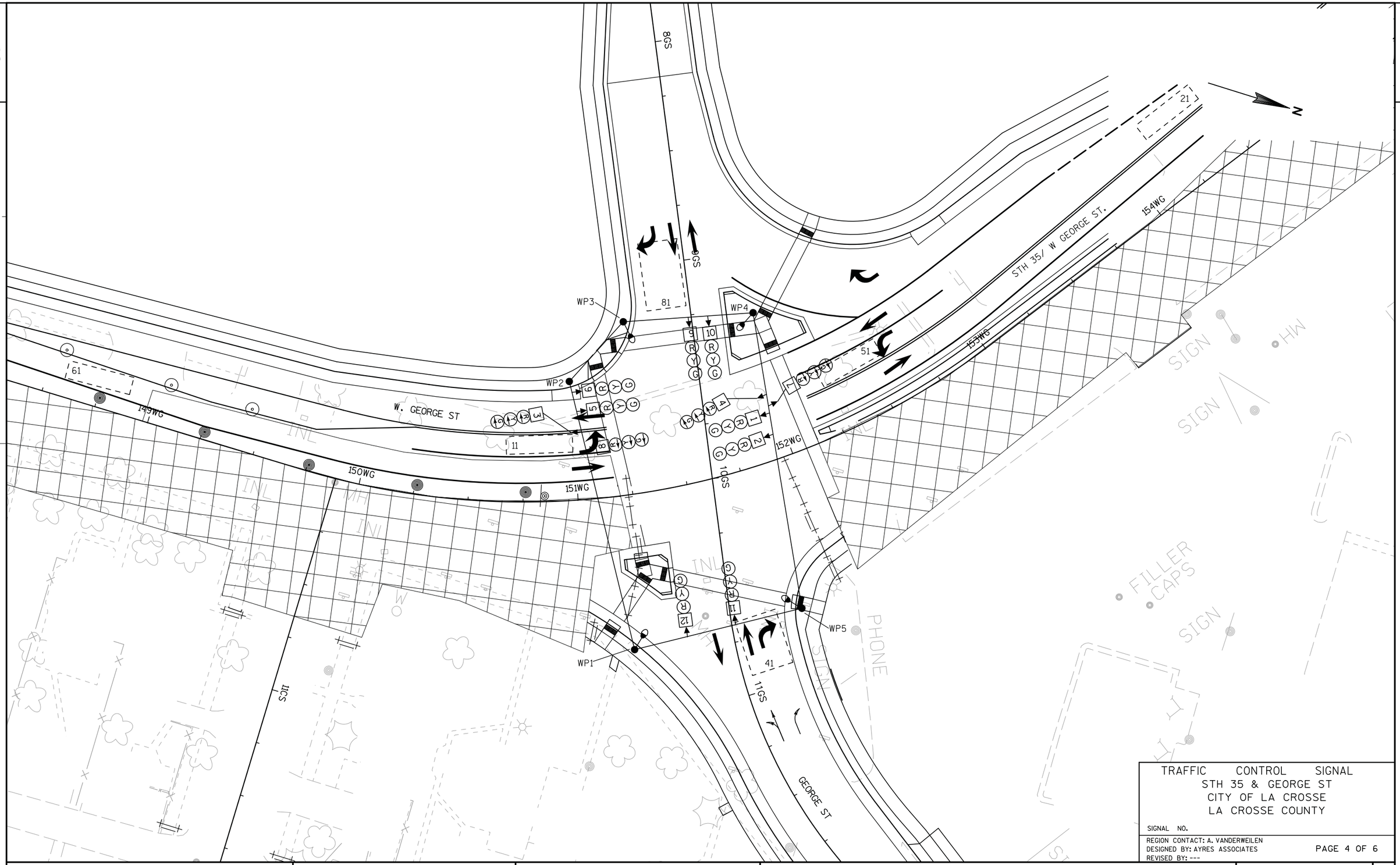
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 225	E

2



TRAFFIC CONTROL SIGNAL
STH 35 & GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

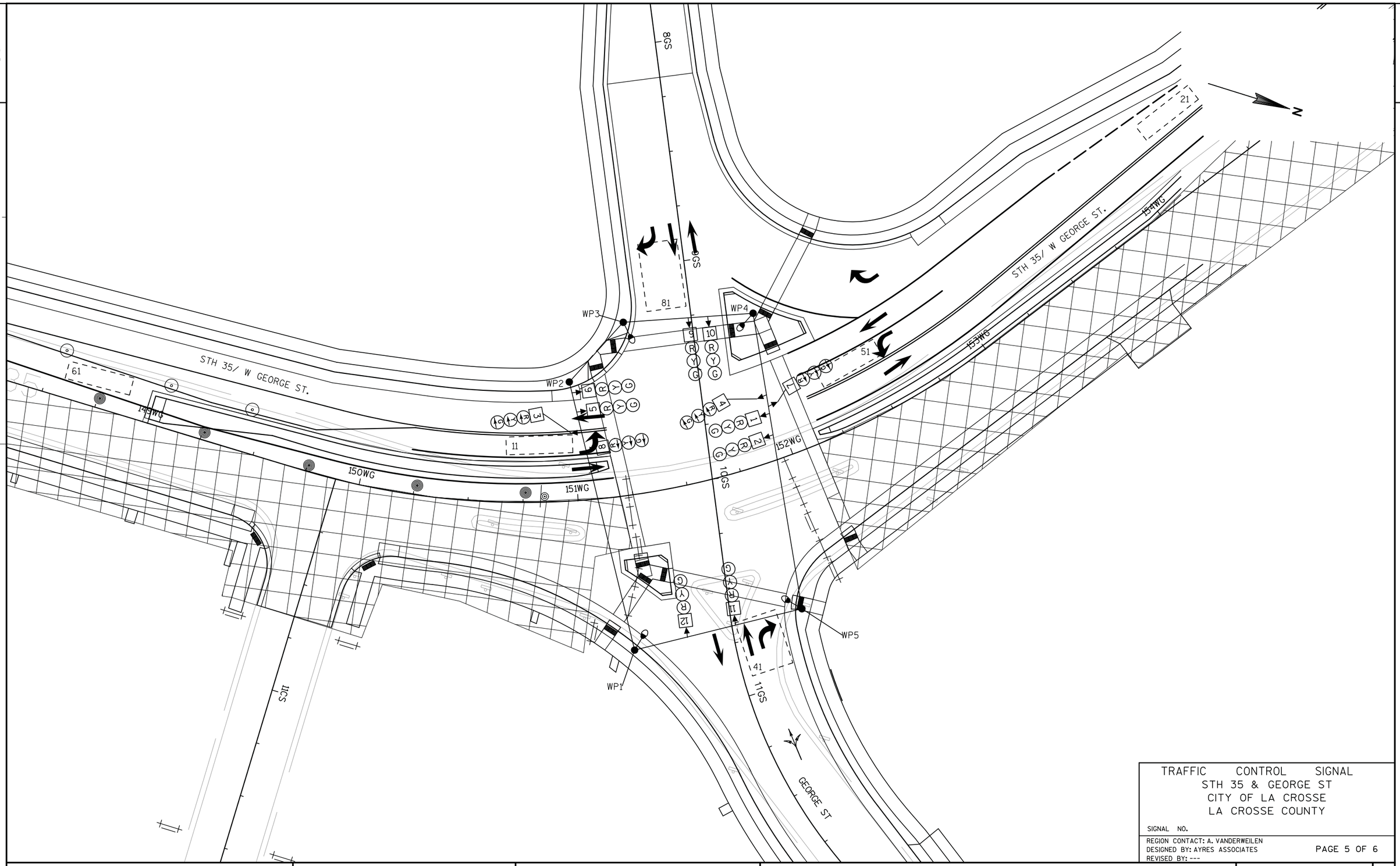
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 4 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 226	E

2



TRAFFIC CONTROL SIGNAL
STH 35 & GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

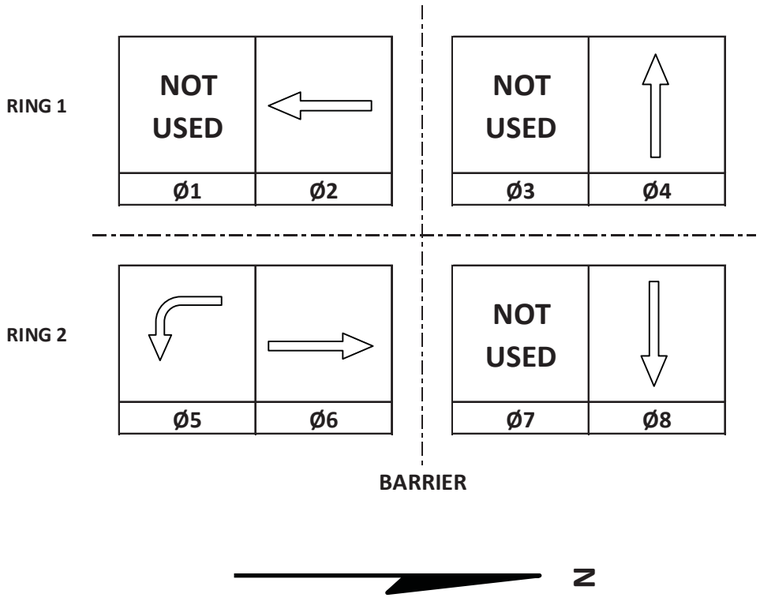
REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 5 OF 6

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 227	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024153_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3,4	R
Ø3		
Ø4	7,8	R
Ø5	5,6	R ←
Ø6	1,2	R
Ø7		
Ø8	9,10	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8		X
5				X
6	X	2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21	81					
ASSIGNED PHASE	5	1	8					
OPERATION MODE	VEH	VEH	VEH					
SWITCH								
EXTEND	X	X	X					
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE SIGNALS DURING PHASE 1B. GEORGE ST TO OPERATE AS 'STOP CONTROLLED'.

STH 35 & W GEORGE ST
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 5 OF 5

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

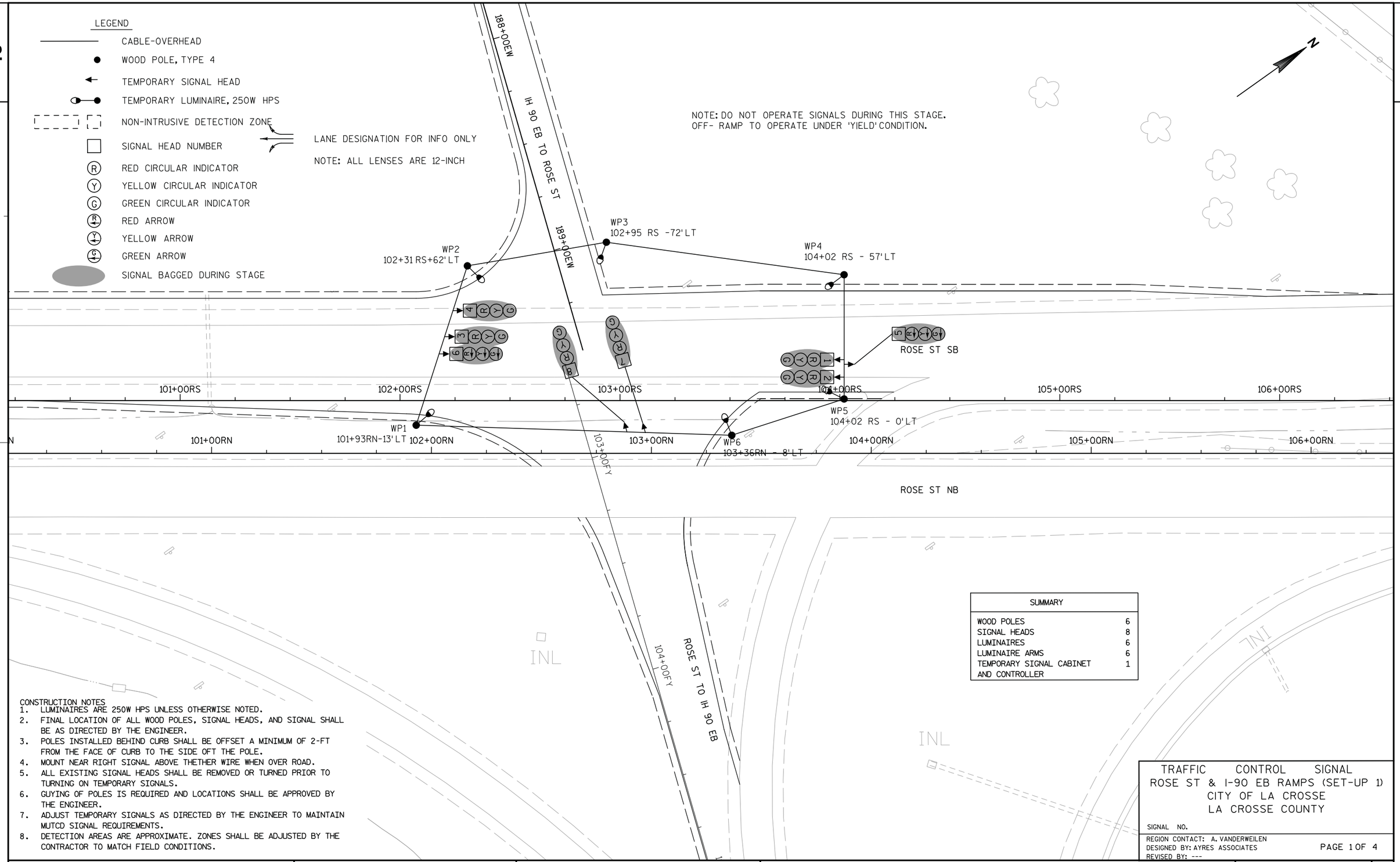
LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- SIGNAL BAGGED DURING STAGE

LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH

NOTE: DO NOT OPERATE SIGNALS DURING THIS STAGE.
OFF- RAMP TO OPERATE UNDER 'YIELD' CONDITION.



SUMMARY	
WOOD POLES	6
SIGNAL HEADS	8
LUMINAIRES	6
LUMINAIRE ARMS	6
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

CONSTRUCTION NOTES
1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 1 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1C	SHEET 229	E

2

2

IH 90 EB TO ROSE ST

188+00EW

189+68EW

WP1

WP2

WP3

WP4

WP5

WP6

ROSE ST SB

ROSE ST NB

ROSE ST TO IH 90 EB

101+00RS

102+00RS

103+00RS

104+00RS

105+00RS

106+00RS

101+00RN

102+00RN

103+00RN

104+00RN

105+00RN

106+00RN

102+00FY

104+00FY

61

51

21

INL

N

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 230	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024134_st.dgn

PLOT DATE : 10/7/2016

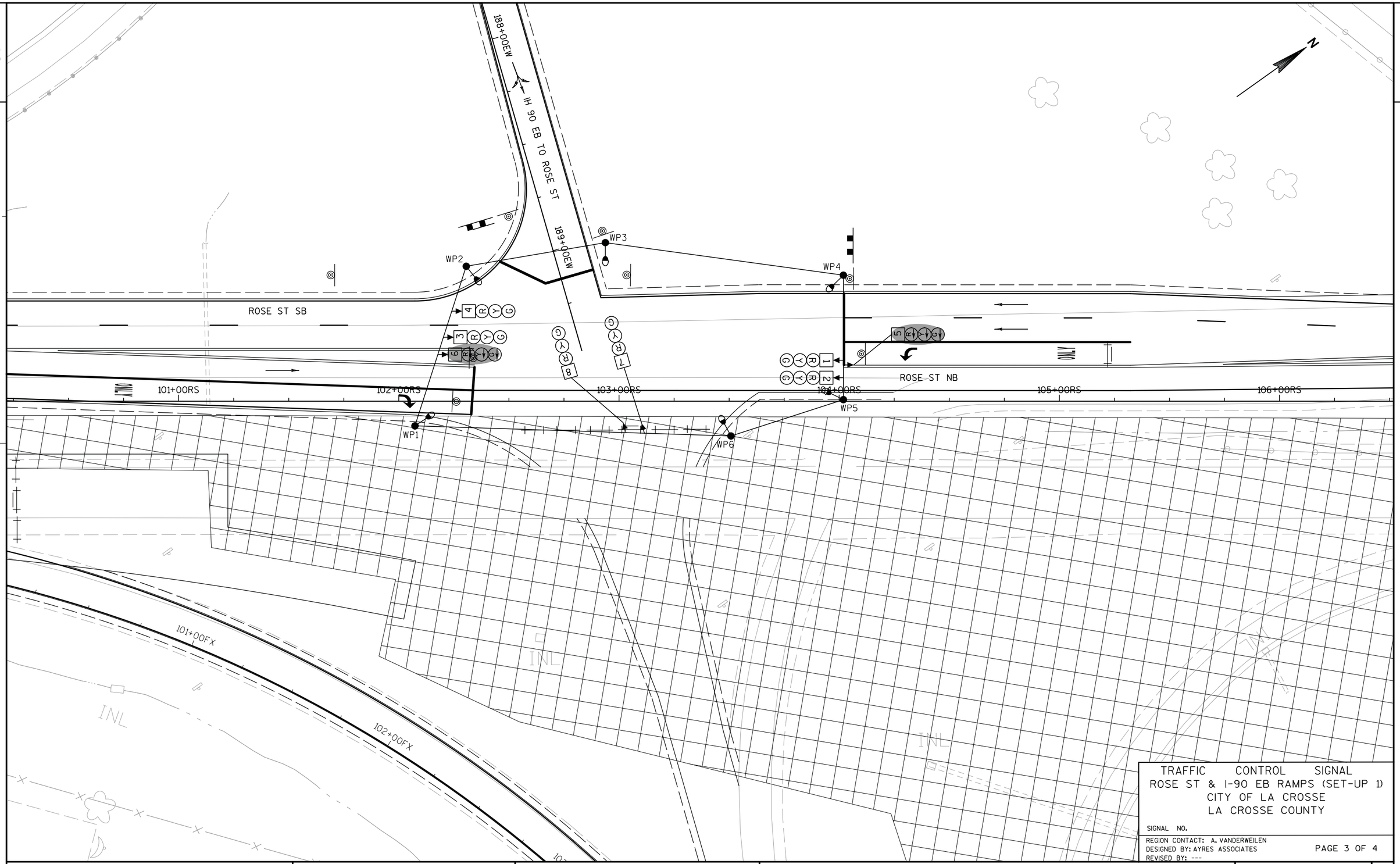
PLOT BY : hickmant

PLOT NAME :

PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

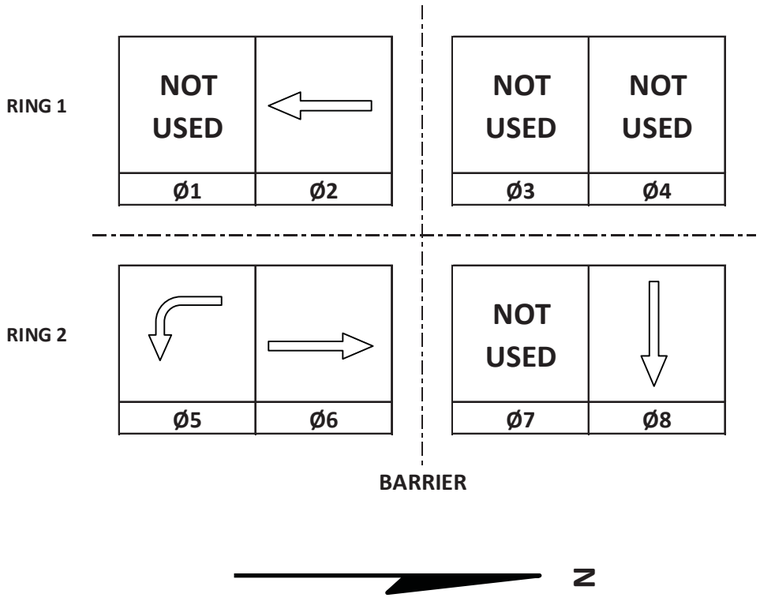
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 231	E

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3,4	R
Ø3		
Ø4		
Ø5	5,6	R ←
Ø6	1,2	R
Ø7		
Ø8	7,8	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				
5				X
6	X	2	MIN	X
7				
8				X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	81						
ASSIGNED PHASE	6	8						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE SIGNALS DURING STAGE 1C. OFF-RAMP TO OPERATE UNDER 'YIELD' CONDITION.

ROSE ST & I-90 EB RAMPS (SETUP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 5 OF 5

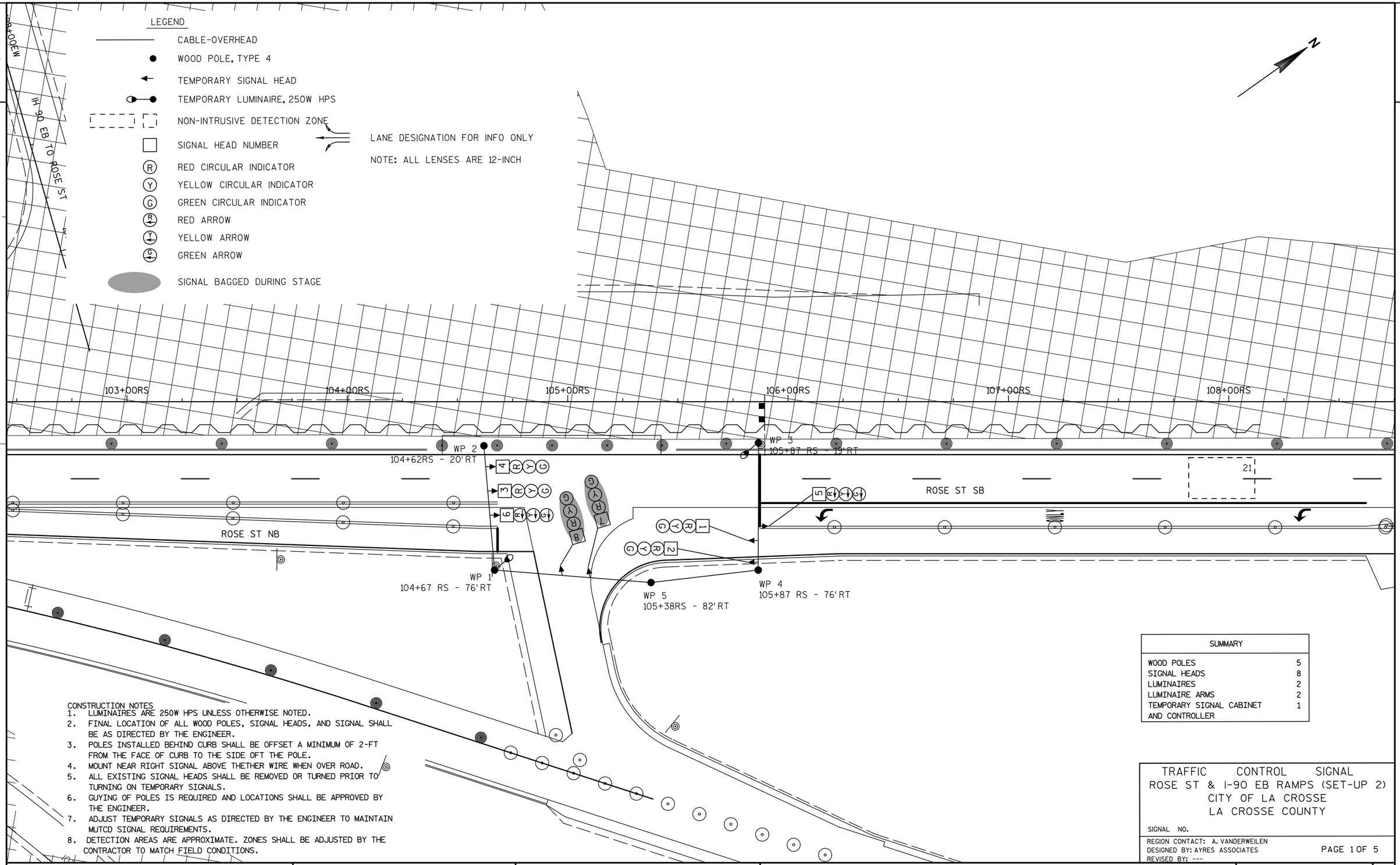
2

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- SIGNAL BAGGED DURING STAGE

LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES

1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

SUMMARY	
WOOD POLES	5
SIGNAL HEADS	8
LUMINAIRES	2
LUMINAIRE ARMS	2
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 1 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3A	SHEET 233	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024154_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

N

IH 90 EB TO ROSE ST

189+00E

190+00E

WP2
103+82RN - 93' LT

WP3
104+93RN - 69' LT

WP1
104+53RN - 52'RT

WP4
105+25 RN - 57'RT

103+00RN

104+00RN

105+00RN

106+00RN

107+00RN

108+00RN

ROSE ST SB

ROSE ST NB

61

51

21

81

188+00F

189+00F

190+00F

190+00FA

191+00F

ROSE ST TO IH 90 EB

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3B	SHEET 234	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024164_st.dgn PLOT DATE : 10/7/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

IH 90 EB TO ROSE ST

189+00E

190+00E

WP2

WP3

ROSE ST SB

4 R Y G

3 R Y G

9 G Y R

6 R Y G

5 R Y G

21

51

61

103+00RS

104+00RS

105+00RS

106+00RS

107+00RS

108+00RS

103+00RN

104+00RN

105+00RN

106+00RN

107+00RN

108+00RN

ROSE ST NB

8 G Y R

7 G Y R

1 G Y R

2 G Y R

WP1

WP4

188+00F

189+00F

190+00F

190+00FA

191+00F

ROSE ST TO IH 90 EB

N

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 235	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024174_st.dgn PLOT DATE : 10/7/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

N

IH 90 EB TO ROSE ST

189+00E

190+00E

WP2

WP3

WP1

WP4

ROSE ST SB

ROSE ST NB

ROSE ST TO IH 90 EB

21

61

103+00RS

104+00RS

105+00RS

106+00RS

107+00RS

108+00RS

103+00RN

104+00RN

105+00RN

106+00RN

107+00RN

108+00RN

188+00F

189+00F

190+00F

191+00F

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 EB RAMPS (SET-UP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

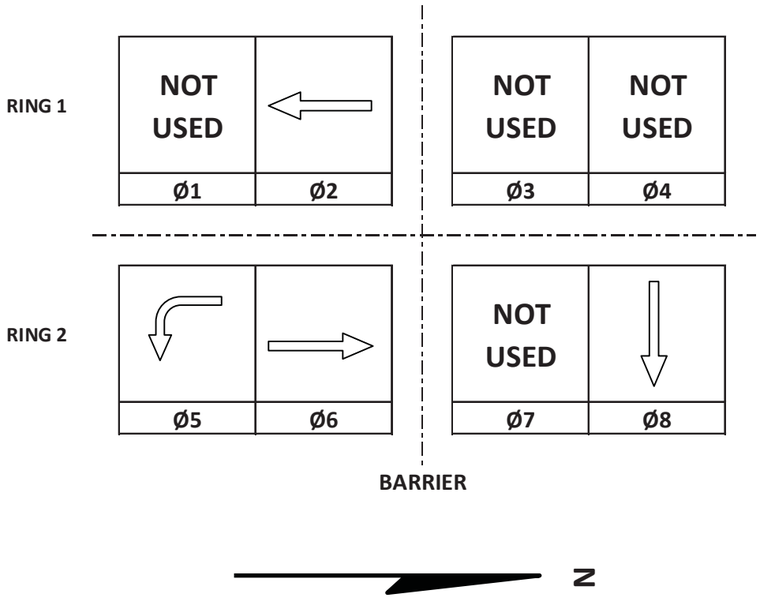
PAGE 4 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 5A	SHEET 236	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024184_st.dgn PLOT DATE : 10/7/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3,4	R
Ø3		
Ø4		
Ø5	5,6	R ←
Ø6	1,2	R
Ø7		
Ø8	7,8	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				
5				X
6	X	2	MIN	X
7				
8				X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	81						
ASSIGNED PHASE	6	8						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. PHASE 4 TO BE DISABLED DURING STAGE 3A.
3. PHASE 5 TO BE DISABLED DRING STAGE 5A.

ROSE ST & I-90 EB RAMPS (SETUP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 5 OF 5

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- SIGNAL BAGGED DURING STAGE

- LANE DESIGNATION FOR INFO ONLY
- NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING
- Y YIELD SIGN

NOTE: DO NOT OPERATE TRAFFIC SIGNALS DURING THIS STAGE. RAMP TO BE CONTROLLED UNDER A 'YIELD' CONDITION.

ROSE ST TO IH 90 WB

ROSE ST SB

ROSE ST NB

IH 90 WB TO ROSE ST

WP1 122+69 RN - 9' LT

WP2 122+83RS -56' LT

WP3 124+38 RS - 52' LT

WP4 124+40 RN - 10' LT

121+00RS 122+00RS 123+00RS 124+00RS 125+00RS 126+00RS

121+00RN 122+00RN 123+00RN 124+00RN 125+00RN 126+00RN

201+00HX 202+00HX 203+00GY 204+00GY 208+00HX

CONSTRUCTION NOTES

1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

SUMMARY	
WOOD POLES	4
SIGNAL HEADS	10
LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 1C	SHEET 238	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024125_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

ROSE ST TO IH 90 WB

207+00HX

WP2

WP3

WP1

WP4

208+00HX

202+00RS

ROSE ST SB

ROSE ST NB

121+00RS

122+00RS

123+00RS

124+00RS

125+00RS

126+00RS

121+00RN

122+00RN

123+00RN

124+00RN

125+00RN

126+00RN

61

21

41

203+00GY

204+00GY

IH 90 WB TO ROSE ST

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 2 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2A	SHEET 239	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024135_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

ROSE ST TO IH 90 WB

207+00HX

208+00HX

202+00GY

203+00GY

204+00GY

ROSE ST SB

ROSE ST NB

IH 90 WB TO ROSE ST

WP1

WP2

WP3

WP4

WP5

121+00RS

122+00RS

123+00RS

124+00RS

125+00RS

126+00RS

121+00RN

122+00RN

123+00RN

124+00RN

125+00RN

126+00RN

61

11

41

21

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

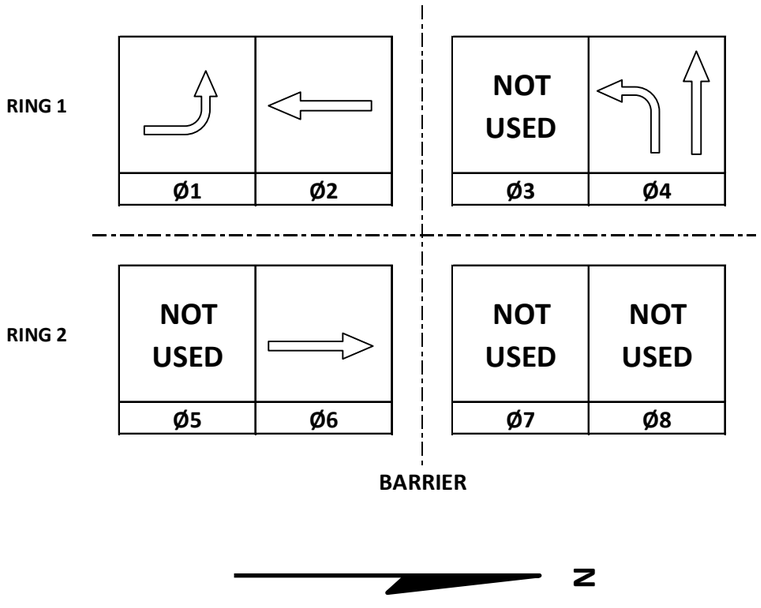
PAGE 3 OF 4

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 2B	SHEET 240	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024145_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	3,4	R ←
Ø2	5,6	R
Ø3		
Ø4	7,8,9,10	R, R ←
Ø5		
Ø6	1,2	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE SIGNALS DURING STAGE 1C. OFF-RAMP TO OPERATE UNDER 'YIELD' CONDITION.

ROSE ST & I-90 WB RAMPS (SETUP 1)
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 4 OF 4

2

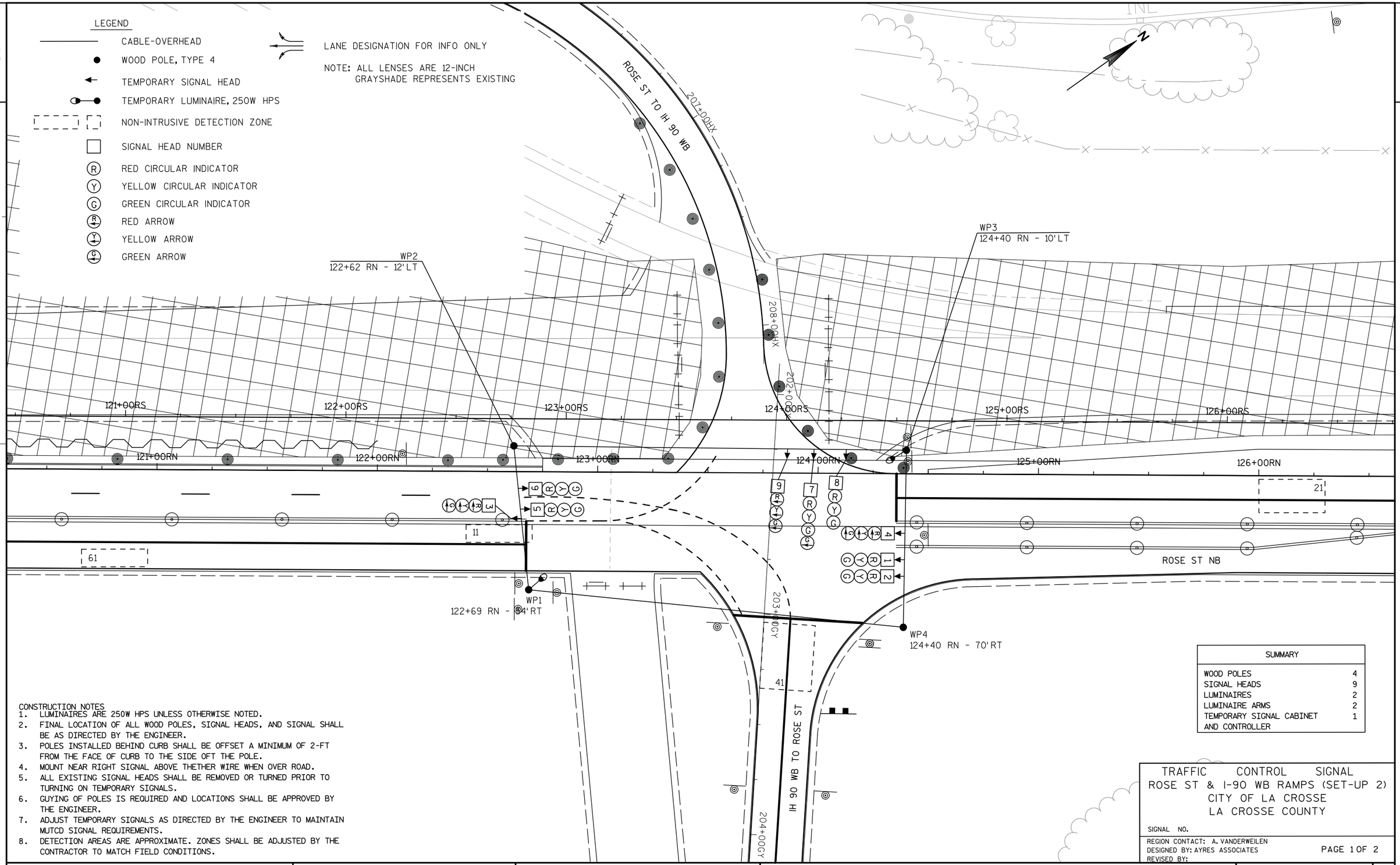
2

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

SUMMARY	
WOOD POLES	4
SIGNAL HEADS	9
LUMINAIRES	2
LUMINAIRE ARMS	2
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY:

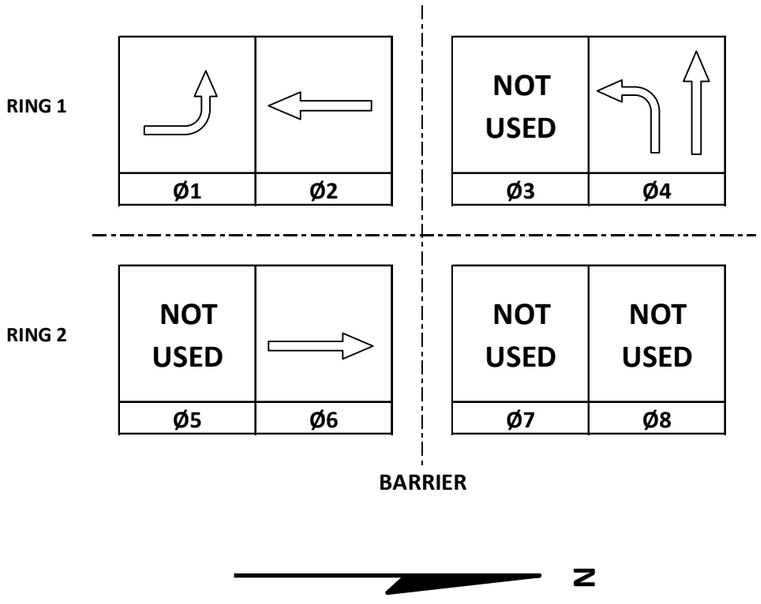
PAGE 1 OF 2

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3A	SHEET 242	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024155_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	3,4	R ←
Ø2	5,6	R
Ø3		
Ø4	7,8,9	R, R ←
Ø5		
Ø6	1,2	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE SIGNALS DURING STAGE 1C. OFF-RAMP TO OPERATE UNDER 'YIELD' CONDITION.

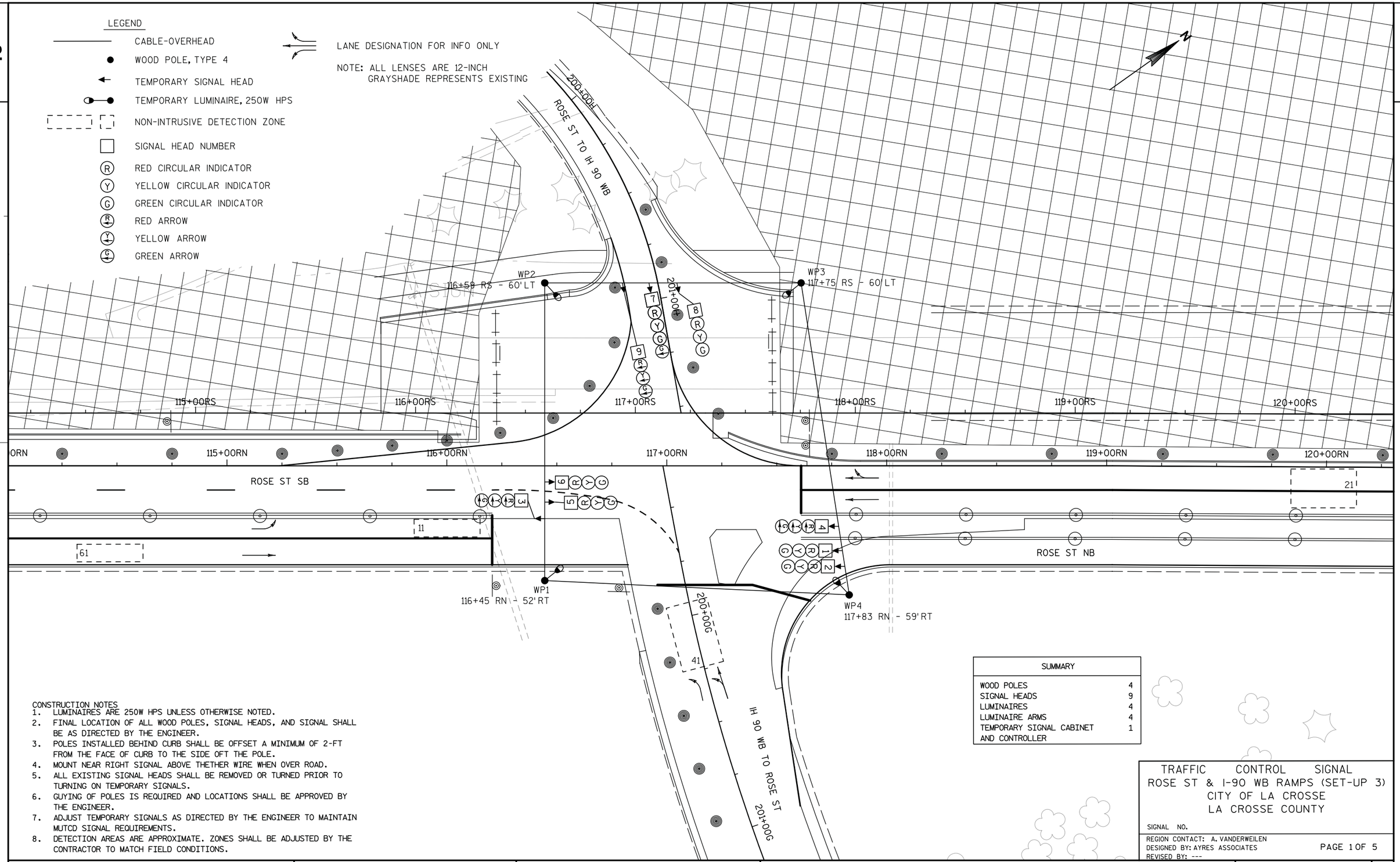
ROSE ST & I-90 WB RAMPS (SETUP 2)
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 2 OF 2

LEGEND

- CABLE-OVERHEAD
- WOOD POLE, TYPE 4
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250W HPS
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. LUMINAIRES ARE 250W HPS UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF ALL WOOD POLES, SIGNAL HEADS, AND SIGNAL SHALL BE AS DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2-FT FROM THE FACE OF CURB TO THE SIDE OFT THE POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE THETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED OR TURNED PRIOR TO TURNING ON TEMPORARY SIGNALS.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
8. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.

SUMMARY	
WOOD POLES	4
SIGNAL HEADS	9
LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY SIGNAL CABINET AND CONTROLLER	1

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 3)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 1 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 3B	SHEET 244	E

2

2

N

ROSE ST TO IH 90 WB

200+00H

WP2

WP3

201+00H

7 R Y G

8 R Y G

9 R Y G

6 R Y G

5 R Y G

ROSE ST SB

21

115+00RS

116+00RS

117+00RS

118+00RS

119+00RS

120+00RS

0RN

115+00RN

116+00RN

117+00RN

118+00RN

119+00RN

120+00RN

3 G Y R

11

61

41

4 G Y R

1 G Y R

2 G Y R

ROSE ST NB

WP1

WP4

200+00G

IH 90 WB TO ROSE ST

201+00G

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 3)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY:

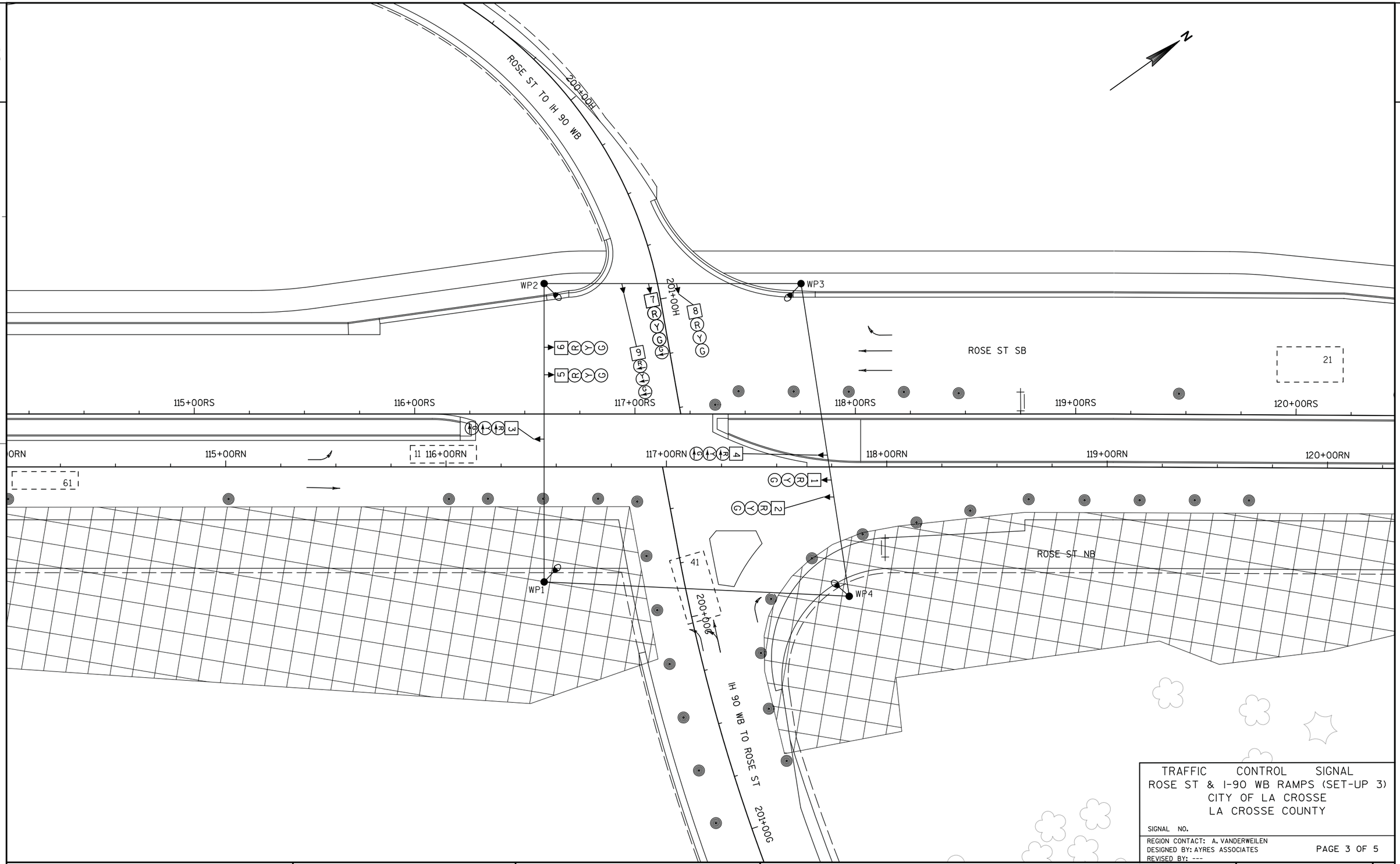
PAGE 2 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 4	SHEET 245	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024175_st.dgn PLOT DATE : 7/28/2016 PLOT BY : hickmant PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 3)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 3 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 5A	SHEET 246	E

2

2

ROSE ST TO IH 90 WB

200+00H

201+00H

WP1

WP2

WP3

WP4

WP5

ROSE ST SB

ROSE ST NB

IH 90 WB TO ROSE ST

115+00RS

116+00RS

117+00RS

118+00RS

119+00RS

120+00RS

115+00RN

116+00RN

117+00RN

118+00RN

119+00RN

120+00RN

11

21

41

61

TRAFFIC CONTROL SIGNAL
ROSE ST & I-90 WB RAMPS (SET-UP 3)
CITY OF LA CROSSE
LA CROSSE COUNTY

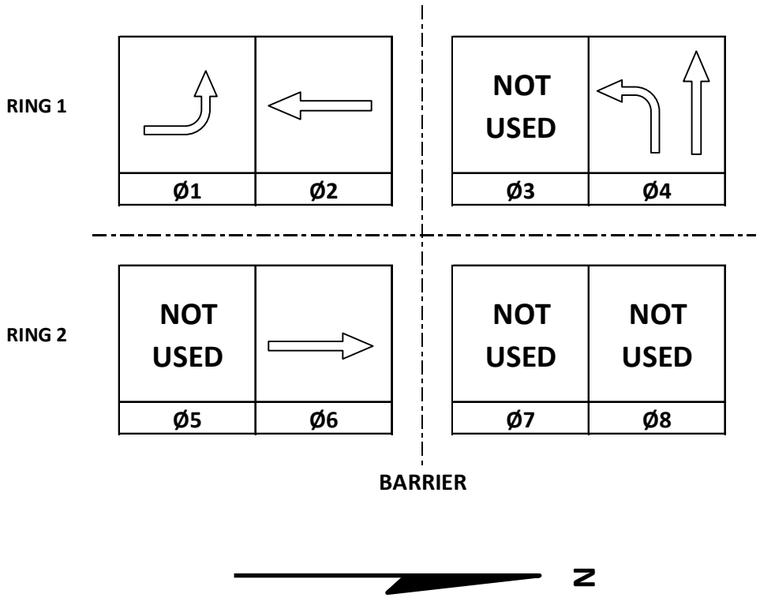
SIGNAL NO.

REGION CONTACT: A. VANDERWEILEN
DESIGNED BY: AYRES ASSOCIATES
REVISED BY: ---

PAGE 4 OF 5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC SIGNAL TEMPORARY - STAGE 5B	SHEET 247	E

	HEAD NUMBERS	FLASH
Ø1	3,4	R ←
Ø2	5,6	R
Ø3		
Ø4	7,8,9	R, R ←
Ø5		
Ø6	1,2	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE				

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	51	21						
ASSIGNED PHASE	5	1						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	61	41						
ASSIGNED PHASE	6	4						
OPERATION MODE	VEH	VEH						
SWITCH								
EXTEND	X	X						
DELAY								

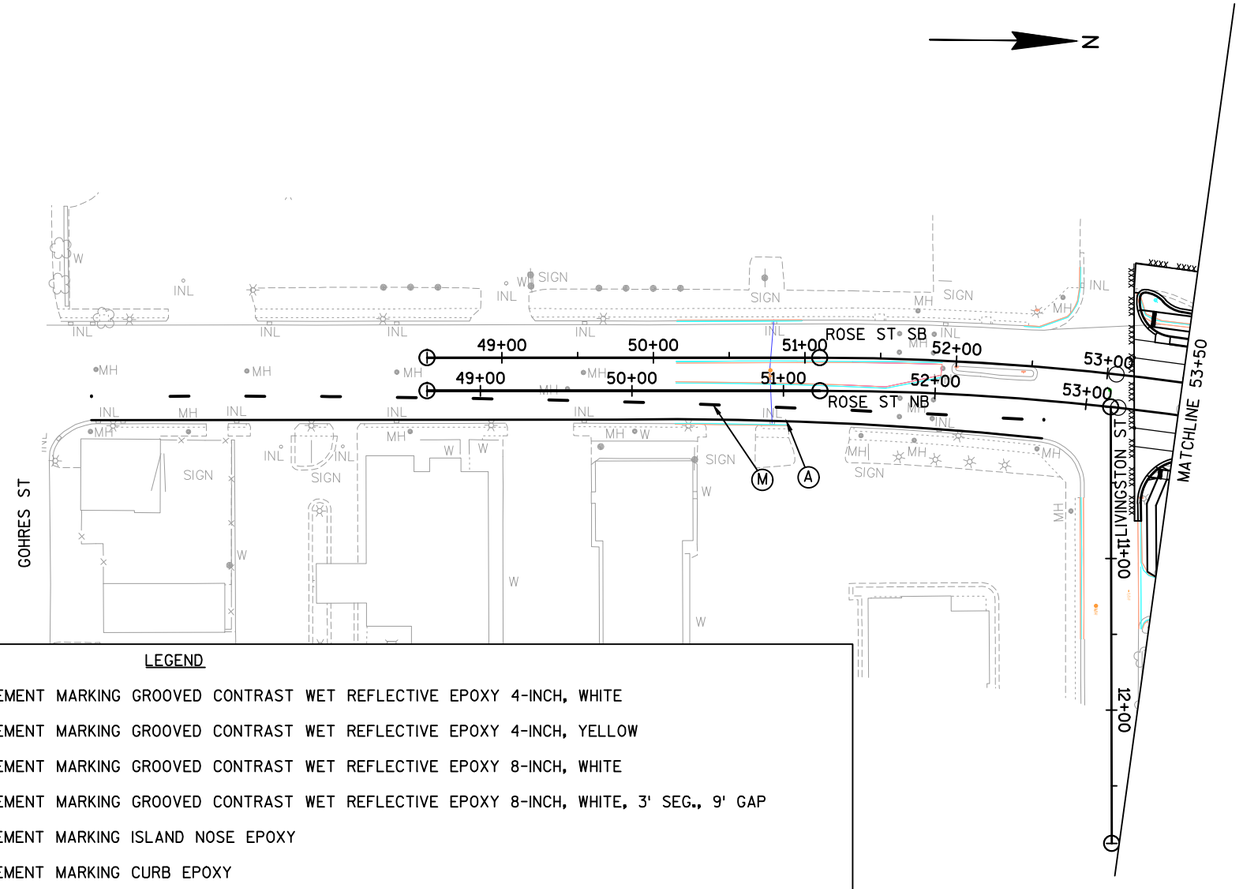
20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. DO NOT OPERATE SIGNALS DURING STAGE 1C. OFF-RAMP TO OPERATE UNDER 'YIELD' CONDITION.

ROSE ST & I-90 WB RAMPS (SETUP 3)
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: TEMP CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 8/16 PAGE NO. 5 OF 5

2



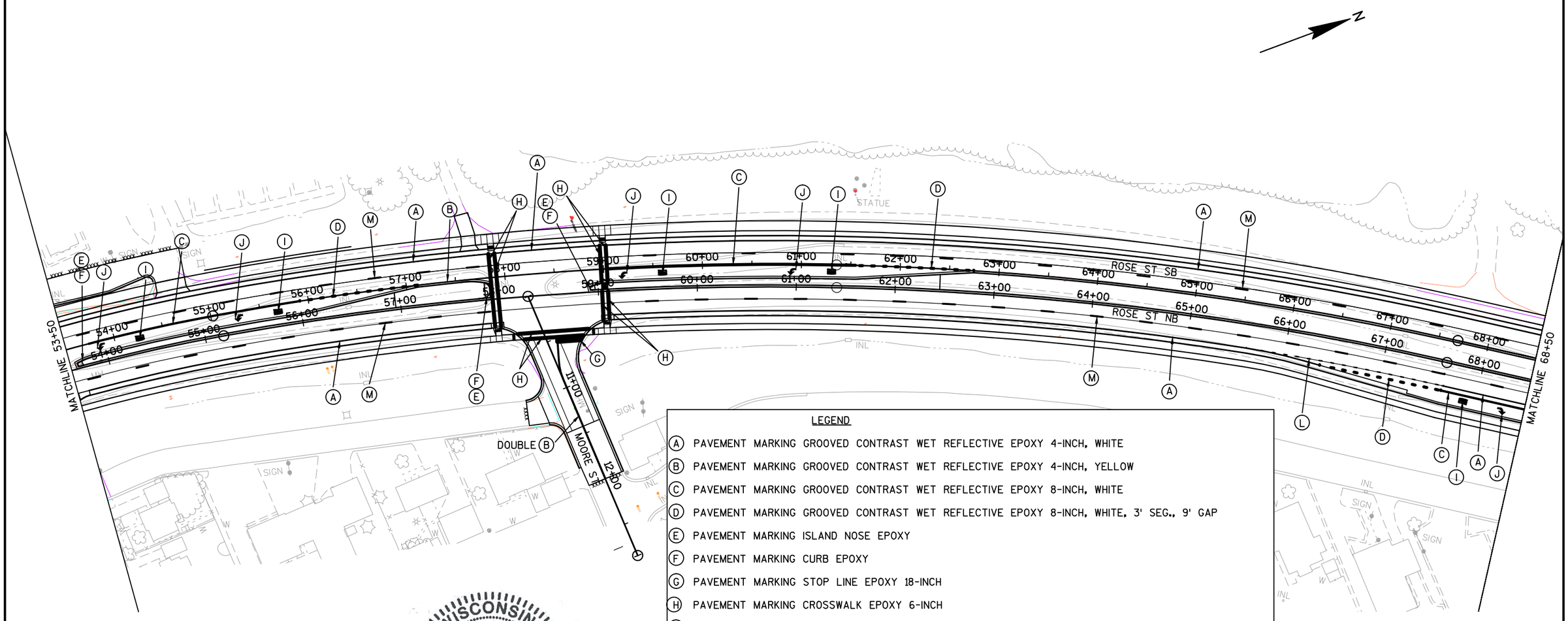
LEGEND

- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (R) PAVEMENT MARKING ARROWS EPOXY TYPE 1
- (S) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25' C-C
- (T) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, WHITE, 10' C-C

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING: USH 53 (ROSE STREET)	SHEET 249	E

2



LEGEND

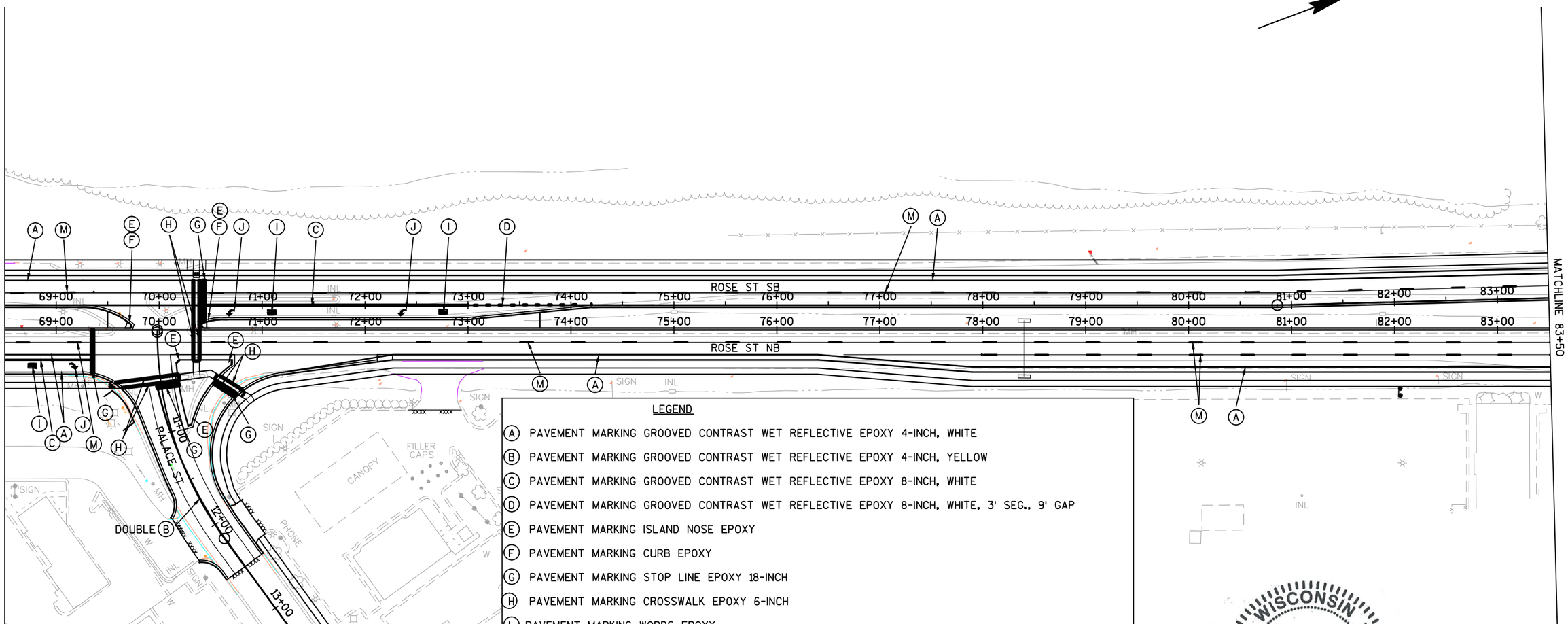
- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (R) PAVEMENT MARKING ARROWS EPOXY TYPE 1
- (S) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25' C-C
- (T) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, WHITE, 10' C-C

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER

9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING: USH 53 (ROSE STREET)	SHEET 250	E

2



LEGEND

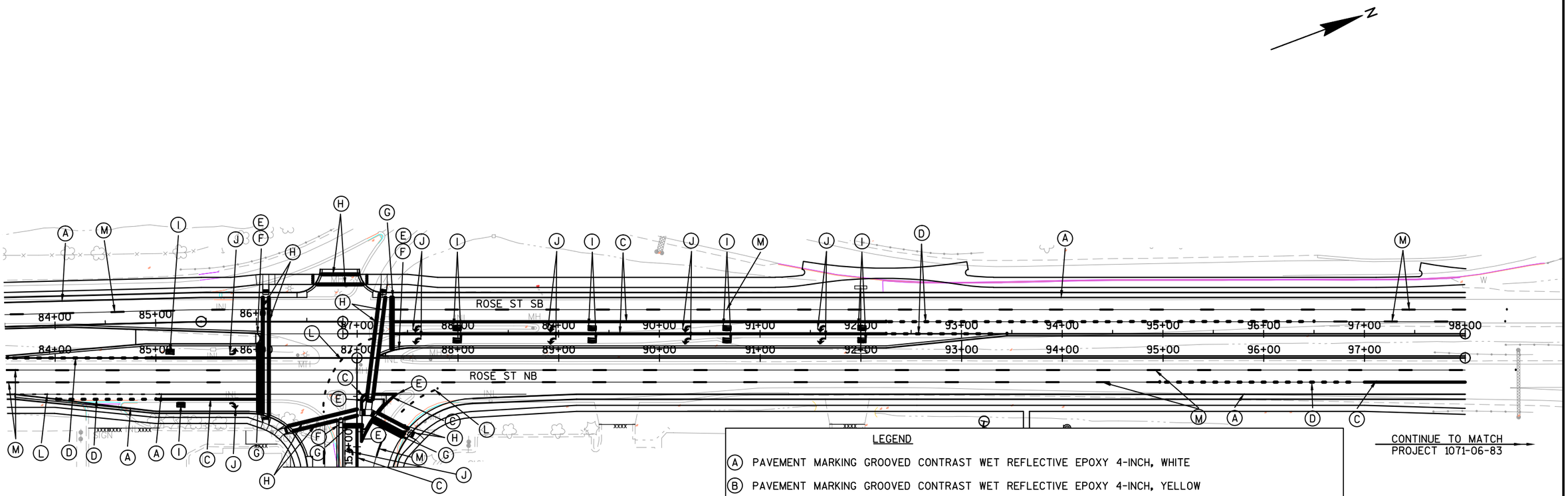
- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (R) PAVEMENT MARKING ARROWS EPOXY TYPE 1
- (S) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25' C-C
- (T) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, WHITE, 10' C-C

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING: USH 53 (ROSE STREET)	SHEET

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\024501_PM.DWG
LAYOUT NAME - 024501_PM - 024203_PM
PLOT DATE : 9/26/2016 10:56 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

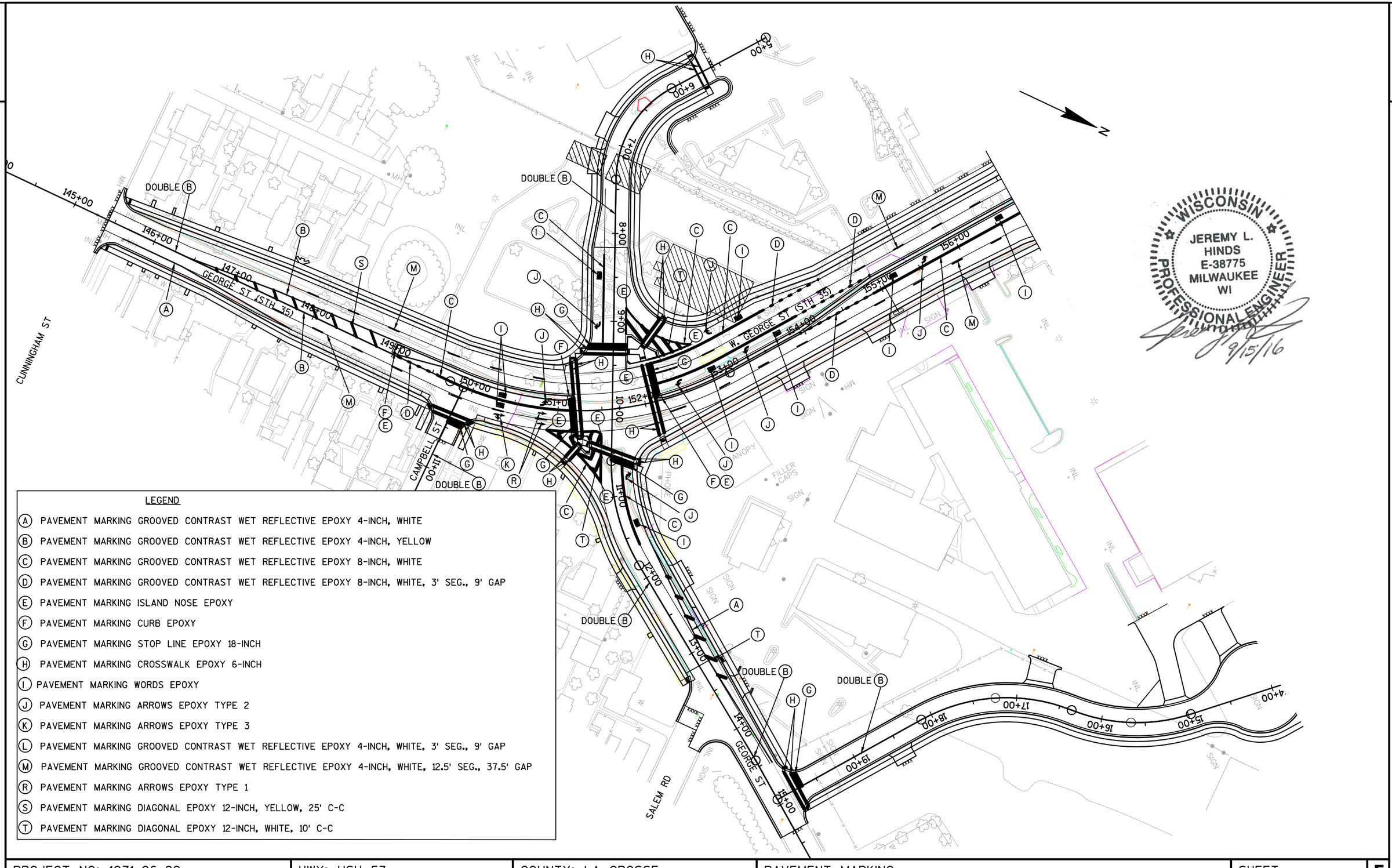
- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (R) PAVEMENT MARKING ARROWS EPOXY TYPE 1
- (S) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25' C-C
- (T) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, WHITE, 10' C-C

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE
WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING: USH 53 (ROSE STREET)	SHEET 252	E

FILE NAME : P:\8384 I90_53_35 INTERCHANGE\TRANSPORTATION\1071-06-82 (GREEN PROJECT)\SHEETS\024501_PM.DWG
LAYOUT NAME - 024501_PM - 024204_PM
PLOT DATE : 9/26/2016 10:54 AM PLOT BY : MOAZ KHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (R) PAVEMENT MARKING ARROWS EPOXY TYPE 1
- (S) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25' C-C
- (T) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, WHITE, 10' C-C

WISCONSIN
JEREMY L. HINDS
E-38775
MILWAUKEE WI
PROFESSIONAL ENGINEER
9/15/16

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 253	E

2

SEE "PAVEMENT MARKING - RAMPS" SHEET FOR ADDITIONAL PAVEMENT MARKING ALONG E RAMP.

SEE "PAVEMENT MARKING - RAMPS" SHEET FOR ADDITIONAL PAVEMENT MARKING ALONG F RAMP.

SEE "PAVEMENT MARKING - RAMPS" SHEET FOR ADDITIONAL PAVEMENT MARKING ALONG G RAMP.

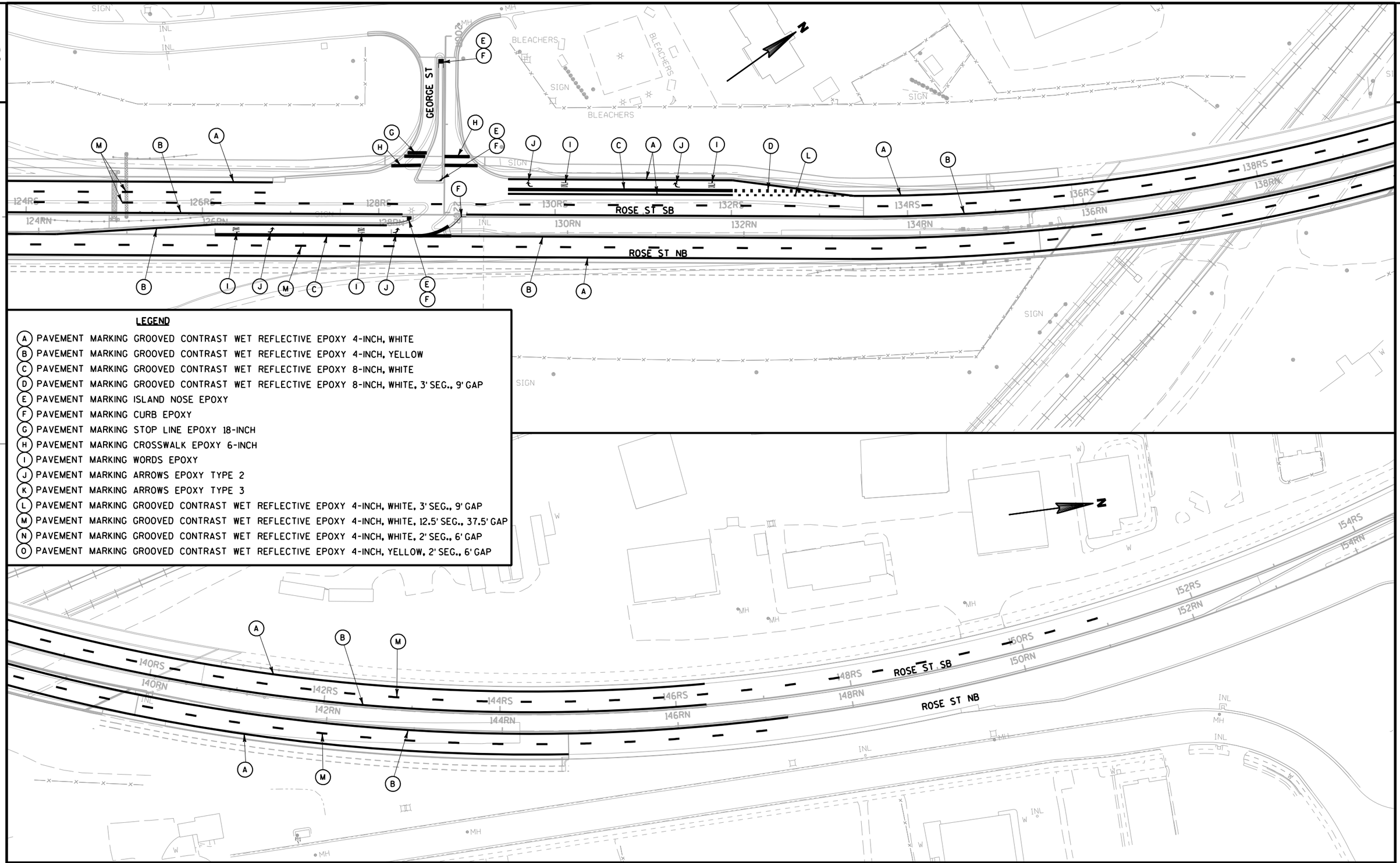
LEGEND

- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (N) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
- (O) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW, 2' SEG., 6' GAP

DELINEATORS, SINGLE @ 100' SPACING (WHITE) (TYP)

DELINEATORS, SINGLE @ 100' SPACING (WHITE) (TYP)

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 254	E



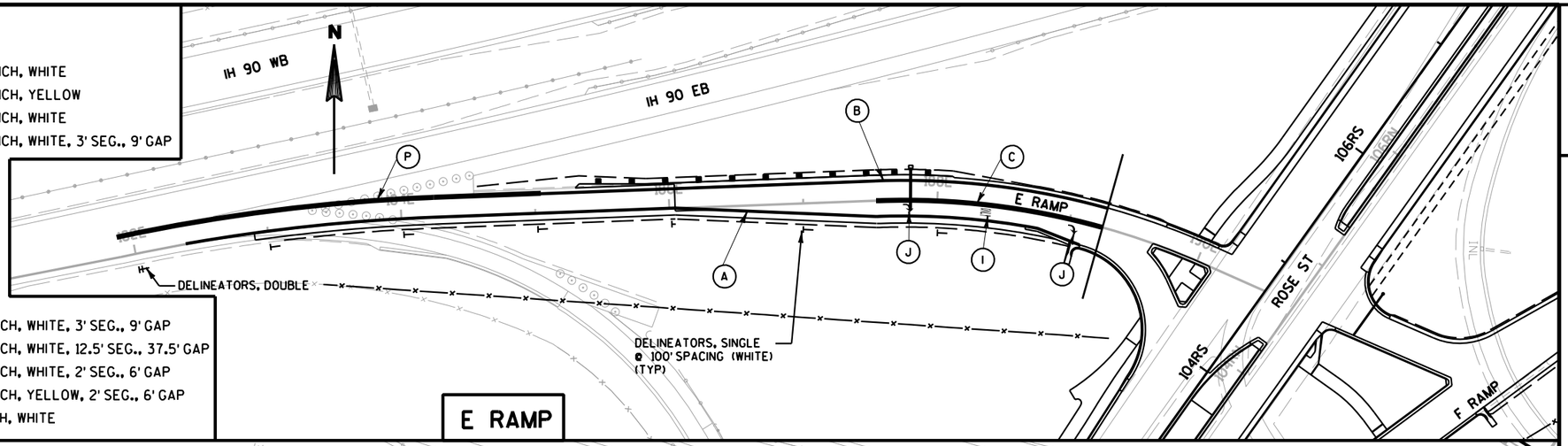
LEGEND

- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (N) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
- (O) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW, 2' SEG., 6' GAP

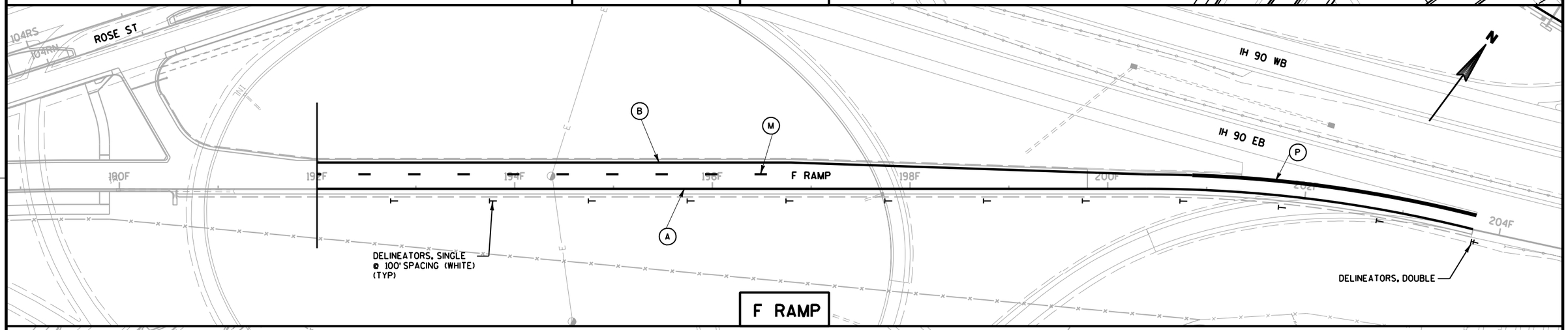
PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 255	E

LEGEND

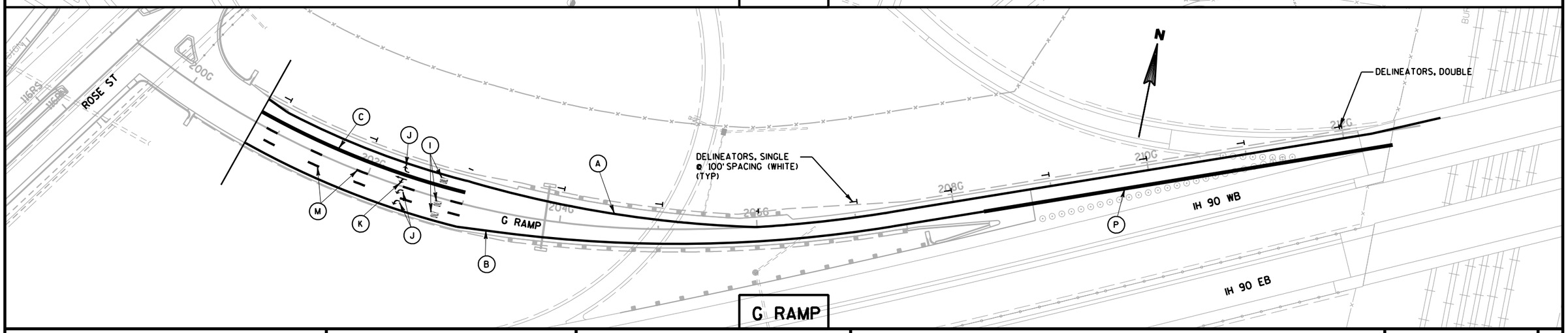
- (A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE
- (B) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW
- (C) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE
- (D) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
- (E) PAVEMENT MARKING ISLAND NOSE EPOXY
- (F) PAVEMENT MARKING CURB EPOXY
- (G) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (H) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (I) PAVEMENT MARKING WORDS EPOXY
- (J) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 3
- (L) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
- (M) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
- (N) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE, 2' SEG., 6' GAP
- (O) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, YELLOW, 2' SEG., 6' GAP
- (P) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE



E RAMP



F RAMP



G RAMP

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PAVEMENT MARKING - RAMPS	SHEET 256	E

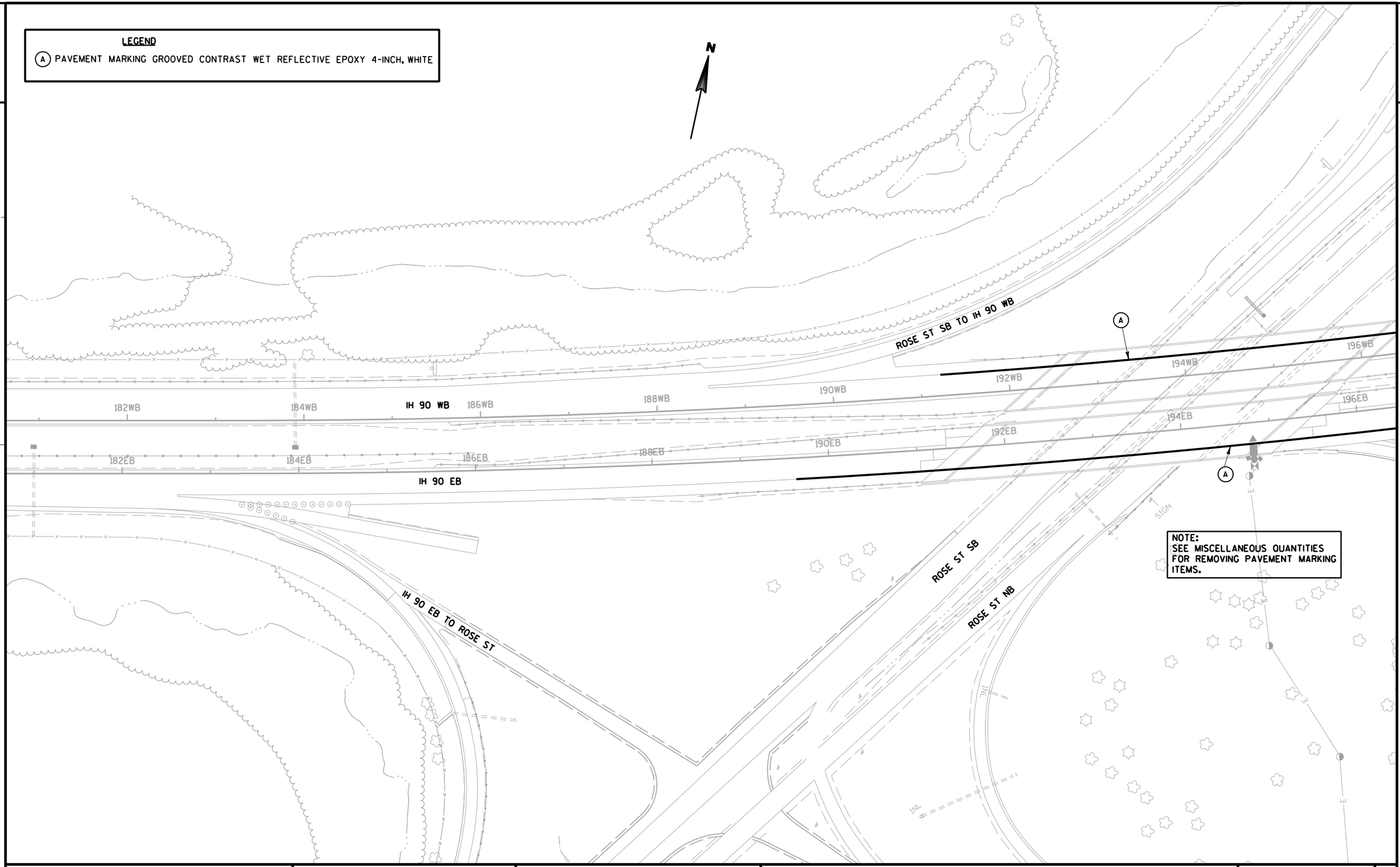
FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024503_pm.dgn PLOT DATE : 9/13/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

(A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE



2

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	PAVEMENT MARKING - IH 90	SHEET 257	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_024504_pm.dgn PLOT DATE : 9/13/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

N

ROSE ST SB

ROSE ST NB

IH 90 WB TO ROSE ST

IH 90 WB

IH 90 EB

196WB 198WB 200WB 202WB 204WB 206WB 208WB 210WB

196EB 198EB 200EB 202EB 204EB 206EB 208EB 210EB

A

NOTE:
SEE MISCELLANEOUS QUANTITIES FOR REMOVING PAVEMENT MARKING ITEMS.

ROSE ST TO IH 90 EB

POOL

LEGEND

(A) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH, WHITE

PROJECT NO: 1071-06-83	HWY: USH 53/ STH 35	COUNTY: LA CROSSE	PAVEMENT MARKING - IH 90	SHEET 258	E

2

GENERAL NOTES FOR TRAFFIC CONTROL

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR METHODS OR SEQUENCE OF OPERATION.

ADJUST SIGN SPACING TO AVOID CONFLICT WITH AND TO PROVIDE A MINIMUM SPACING OF 200 FEET (500 FEET DESIRABLE) TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

REMOVE OR COVER ANY TEMPORARY OR EXISTING SIGNS THAT CONFLICT WITH "IN USE" TRAFFIC CONTROL.

ALL TRAFFIC CONTROL SIGNING WILL CONFORM TO PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION, & THE WISCONSIN SUPPLEMENT, DATED MAY 25, 2011.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF DRUMS.

IF LANE CLOSURES ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

INSTALL THE LANE CLOSURE SERIES AS A COMPLETE UNIT THAT INCLUDES ALL ADVANCE WARNING SIGNING, DRUMS, AND ARROW BOARDS.

WARNING LIGHTS SHALL NOT BE WORKING ON "COVERED" OR "DOWNED" SIGNS OR BARRICADES.

DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" LIGHTS.

ALL TYPE III BARRICADES SHALL HAVE AN EQUIVALENT WIDTH OF 8 FEET.

REMOVE ALL EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE TRAFFIC CONTROL OR NOT APPROPRIATE TO THE TRAVEL PATH FOR OPERATIONS IN PLACE FOR MORE THAN 4 CONTINUOUS DAYS.

SEE SIGNING PLAN FOR STAGES/LOCATIONS PERMANENT SIGNS ARE PLACED. REMOVING SIGNS SHOWN ON TRAFFIC CONTROL SHEETS CAN ALSO BE FOUND IN THE PERMANENT SIGNING PLAN.

PROVIDE 2' SHY DISTANCE FROM LANE LINE TO FACE OF CONCRETE BARRIER UNLESS CALLED OUT OTHERWISE.

FOR TEMPORARY PAVEMENT MARKINGS CALLED OUT AS REFLECTIVE PAINT/REMOVABLE TAPE, THE INTENT IS TO USE REMOVABLE TAPE IN AREAS DIAGONAL TO FINAL LANES OF CONCRETE AND REFLECTIVE PAINT ELSEWHERE. THE ENGINEER MAY MODIFY THE LOCATIONS OF REFLECTIVE PAINT/REMOVABLE TAPE TO FIT FIELD CONDITIONS AND SAFETY CONCERNS.

FLAGS PLACED ON TRAFFIC CONTROL SIGNS ARE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL SIGN.

PRE WARN TRAFFIC OF RAMP AND MAINLINE CLOSURES 7 DAYS IN ADVANCE.
USE PCMS OR TRAFFIC CONTROL SIGNS.

TEMPORARY ALIGNMENT DESIGNATION	ROADWAY SEGMENT	PROJECT	STAGE(S) CONSTRUCTED	STAGE(S) IN USE
EW	TEMP IH90 EB TO ROSE ST RAMP	1071-06-83	EB/1A/1B	1C,2A,2B
FY	TEMP ROSE ST TO IH90 EB RAMP	1071-06-83	1A/1B	1C,2A
GY	TEMP IH90 WB TO ROSE ST RAMP	1071-06-83	1A/1B	1C,2A,3A
GZ	TEMP IH90 WB TO ROSE ST RAMP	1071-06-83	1B/2A	2B
HX	TEMP ROSE ST TO IH90 WB RAMP	1071-06-83	1A/1B/2A	1C,2B,3A
RW	TEMP ROSE ST X-OVER	7190-03-72	1B	1C,2A,2B
RX	TEMP ROSE ST X-OVER	7190-03-72	1B/2A/2B	3A,3B
TG	TEMP WIDENING GEORGE ST	1071-06-83	1A/1B	3A
UG	TEMP WIDENING GEORGE ST	1071-06-83	3A	3B

EB - (EB PROJECT - CONSTRUCTED PREVIOUSLY BY OTHERS)

2

2

GENERAL NOTES FOR PCMS

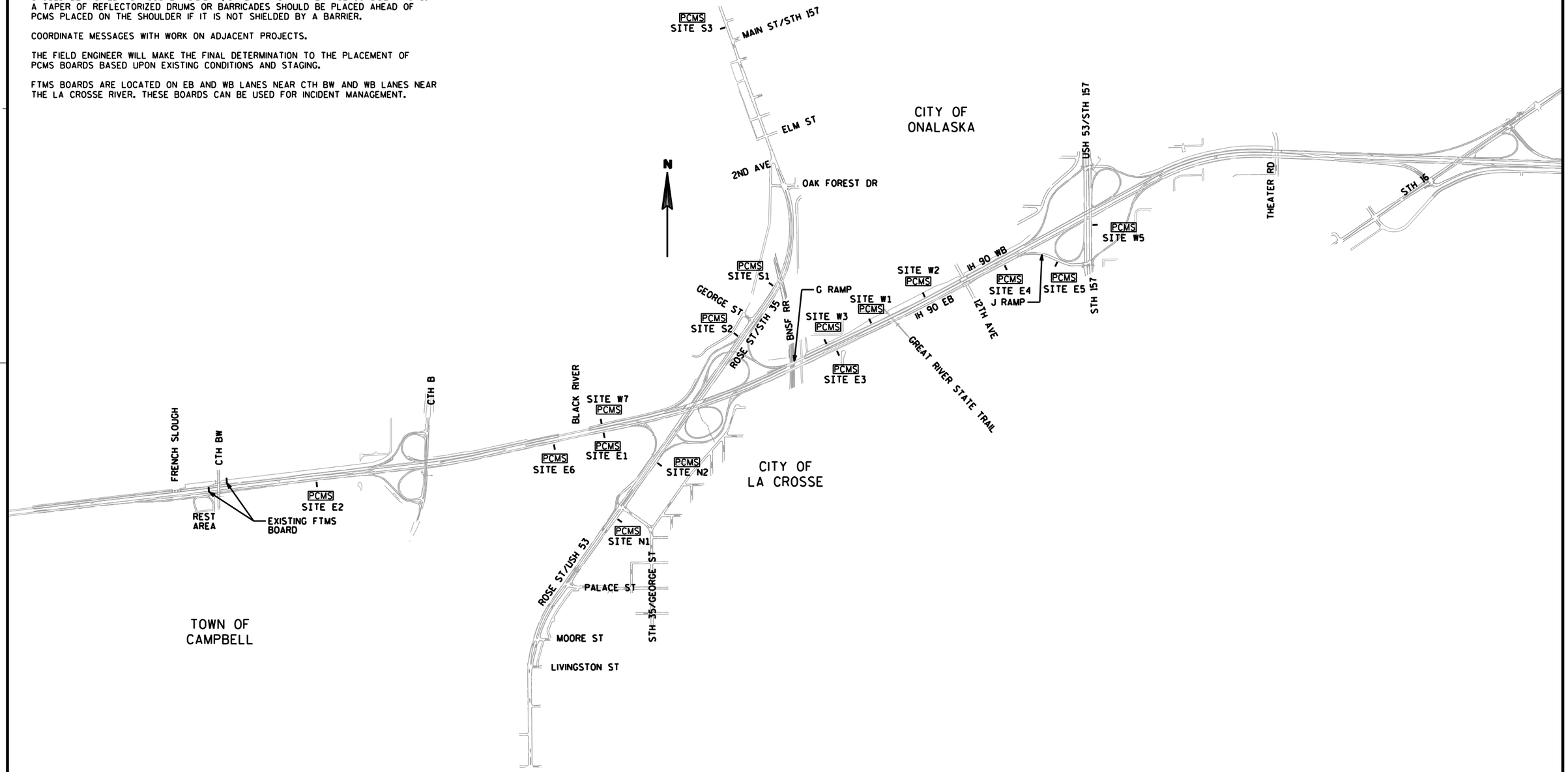
CONSIDER GEOMETRICS WHEN LOCATING PCMS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1000 FEET IN ADVANCE OF THE PCMS.

PCMS SHOULD BE PLACED AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY. IN ADVANCE OF HIGHWAY CONSTRUCTION PROJECTS, THE SIGNS SHOULD BE PLACED ON THE BACKSLOPE BEHIND THE DITCH. THE LOCATION FOR INTERMITTENT WORK SUCH AS FREEWAY LANE CLOSURE, OR WHERE SITE CONDITIONS DO NOT ALLOW OTHERWISE, THE SIGNS MAY BE PLACED ON THE SHOULDER. THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY AND MAINTENANCE CONSIDERATIONS. A TAPER OF REFLECTORIZED DRUMS OR BARRICADES SHOULD BE PLACED AHEAD OF PCMS PLACED ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.

COORDINATE MESSAGES WITH WORK ON ADJACENT PROJECTS.

THE FIELD ENGINEER WILL MAKE THE FINAL DETERMINATION TO THE PLACEMENT OF PCMS BOARDS BASED UPON EXISTING CONDITIONS AND STAGING.

FTMS BOARDS ARE LOCATED ON EB AND WB LANES NEAR CTH BW AND WB LANES NEAR THE LA CROSSE RIVER. THESE BOARDS CAN BE USED FOR INCIDENT MANAGEMENT.

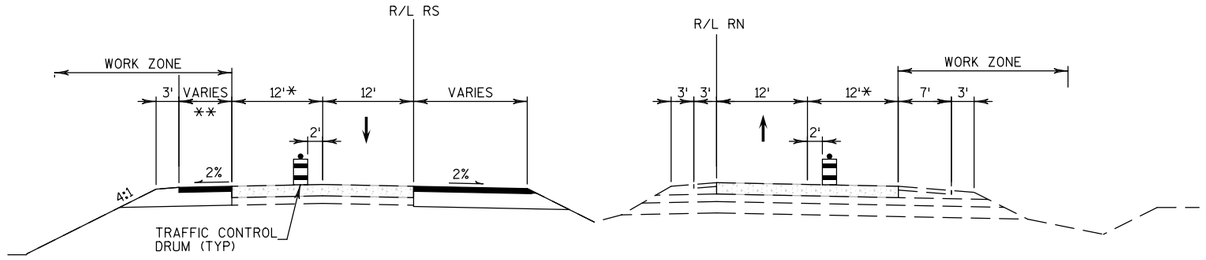


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL PCMS MESSAGES	SHEET 260	E

ROADWAY CONSTRUCTION OPERATION/CONFIGURATION

	ROSE ST SB TO IH 90 EB RAMP CLOSURE (STAGE 1B)		IH 90 WB TO ROSE ST NB RAMP CLOSURE (STAGE 1B)		ROSE ST CLOSURE (STAGE 1C)		ROSE ST TO IH 90 WB RAMP CLOSURE (STAGE 2A)		ROSE ST SB TO IH 90 EB RAMP CLOSURE (STAGE 2B)		IH 90 EB TO ROSE ST NB RAMP CLOSURE (STAGE 3A)		ROSE ST SB TO IH 90 EB RAMP CLOSURE (STAGE 5A)		ROLLING STOPS FOR SIGN BRIGE REMOVAL (STAGE 1A)	
SITE NO.	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)
SITE E1	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		TO ACCESS LACROSSE	35 53 S FOLLOW DETOUR	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE E2	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH CLOSED	USE DETOUR ROUTE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NB RAMP CLOSED	USE DETOUR ROUTE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE E3	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE RIGHT LANE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE RIGHT LANE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE E4	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE EXIT 4	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE EXIT 4	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE E5	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE CENTER LANE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE CENTER LANE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE E6	NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NB	USE EXIT 3B	HWY 35 NORTH CLOSED	USE EXIT 4	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		35 NB RAMP CLOSED	USE EXIT 4	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE W1	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		TO ACCESS ONALASKA	HWY 35 N FOLLOW DETOUR	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		TO ACCESS ONALASKA	HWY 35 N FOLLOW DETOUR	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE W2	NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NB RAMP CLOSED	USE DETOUR ROUTE	HWY 53 S HWY 35 S CLOSED	USE DETOUR ROUTE	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE W3	NO MESSAGE BOARD NEEDED ON SITE		TO HWY 35 NB	USE EXIT 2	HWY 53 S HWY 35 S CLOSED	USE EXIT 2	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE W5	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 NORTH DETOUR	USE IH 90 WB	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE W7	DETOUR TO IH 90 EB	USE EXIT 2	TO HWY 35 NB	USE EXIT 2	IH 90 EB HWY 53 S HWY 35 S	USE EXIT 2	DETOUR TO IH 90 EB	USE EXIT 2	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE N1	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		HWY 35 CLOSED AT IH 90	EB IH 90 ON RAMP OPEN	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE N2	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		TO IH 90 WB HWY 35	USE IH 90 EB	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE	
SITE S1	IH 90 EB RAMP CLOSED	USE DETOUR ROUTE	NO MESSAGE BOARD NEEDED ON SITE		SB 53/35 CLOSED AT IH 90	WB IH 90 ON RAMP OPEN	IH 90 WB RAMP CLOSED	USE DETOUR ROUTE	IH 90 EB RAMP CLOSED	USE DETOUR ROUTE	NO MESSAGE BOARD NEEDED ON SITE		IH 90 EB RAMP CLOSED	USE DETOUR ROUTE	TEMP CLOSURE AHEAD	BE PREPARED TO STOP
SITE S2	TO IH 90 EB	USE IH 90 WB	NO MESSAGE BOARD NEEDED ON SITE		TO IH 90 EB SB 53/35	USE IH 90 WB	TO IH 90 WB	USE IH 90 EB	TO IH 90 EB	USE IH 90 WB	NO MESSAGE BOARD NEEDED ON SITE		TO IH 90 EB	USE IH 90 WB	NO MESSAGE BOARD NEEDED ON SITE	
SITE S3	TO IH 90 EB	USE EAST 157	NO MESSAGE BOARD NEEDED ON SITE		TRAFFIC TO IH 90 EB	USE EAST WIS 157	NO MESSAGE BOARD NEEDED ON SITE		TRAFFIC TO IH 90 EB	USE EAST WIS 157	NO MESSAGE BOARD NEEDED ON SITE		NO MESSAGE BOARD NEEDED ON SITE		TEMP CLOSURE AHEAD	BE PREPARED TO STOP

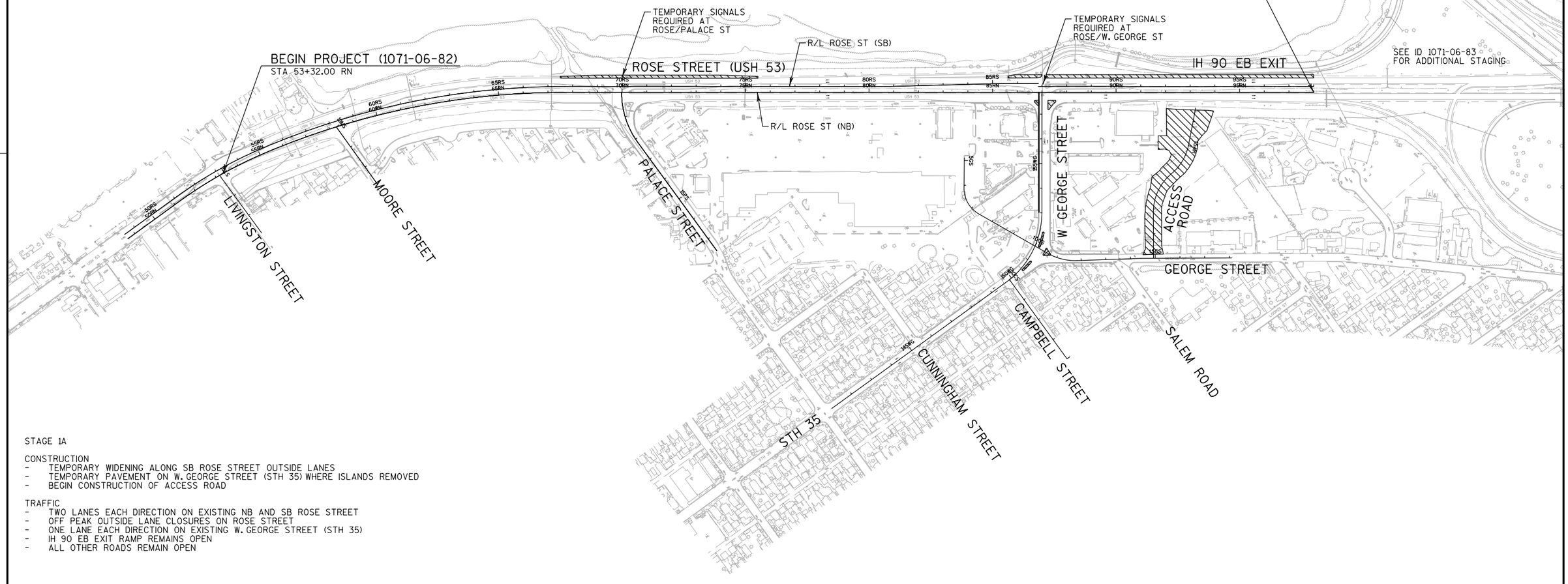
SITE NO.	APPROXIMATE LOCATION
E2	PRIOR TO CTH B EXIT RAMP
E3	BETWEEN BNSF RR AND GREAT RIVER STATE TRAIL
E4	J RAMP DIVERGENCE POINT
E5	EXIT RAMP FROM IH 90 EB TO STH 157
E6	WEST OF BLACK RIVER
W2	BETWEEN 12TH AVENUE AND GREAT RIVER STATE TRAIL
W3	EAST OF G RAMP DIVERGENCE POINT
W5	ON STH 157 NB BETWEEN RAMP TERMINALS
W7	WEST OF ROSE STREET
N1	NORTH OF W. GEORGE STREET
N2	SOUTH OF USH 53/STH 35 RAMP TO IH 90 EB
S1	BETWEEN GEORGE STREET AND BNSF RR
S2	NORTH OF STH 35 RAMP TO IH 90 WB
S3	STH 35 NORTH OF MAIN STREET/STH 157



* LANE CLOSURE DURING OFF PEAK ONLY

** SEE TYPICAL SECTIONS AND PLAN - TEMPORARY PAVEMENT FOR ADDITIONAL INFORMATION

TYPICAL SECTION
STAGE 1A
ROSE STREET



STAGE 1A

CONSTRUCTION
- TEMPORARY WIDENING ALONG SB ROSE STREET OUTSIDE LANES
- TEMPORARY PAVEMENT ON W. GEORGE STREET (STH 35) WHERE ISLANDS REMOVED
- BEGIN CONSTRUCTION OF ACCESS ROAD

TRAFFIC
- TWO LANES EACH DIRECTION ON EXISTING NB AND SB ROSE STREET
- OFF PEAK OUTSIDE LANE CLOSURES ON ROSE STREET
- ONE LANE EACH DIRECTION ON EXISTING W. GEORGE STREET (STH 35)
- IH 90 EB EXIT RAMP REMAINS OPEN
- ALL OTHER ROADS REMAIN OPEN

STAGE 1 WORK ZONE

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1A	SHEET 262	E

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

END ROAD WORK
G20-2A
48" X 24"

ROSE STREET (USH 53)

52RS
52RN
50RS
50RN
54RS
54RN
56RS
56RN
58RS
58RN
60RS
60RN
10LS
10MS
12LS
12MS

USH 53

R/L ROSE ST (NB)
R/L ROSE ST (SB)
ROSE COURT
LIVINGSTON STREET
MOORE STREET
FRONTAGE ROAD
R/L LIVINGSTON ST
R/L MOORE ST
MATCHLINE STA 62+00 RN

500'

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

ROAD WORK AHEAD
W20-1A

ROAD WORK 500 FT
W20-1D

ROAD WORK AHEAD
W20-1A

ROAD WORK AHEAD
W20-1A

SEE SDD "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A	SHEET 263	E

FILE NAME : ch_0682_026001_s1.dgn PLOT DATE : 30-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

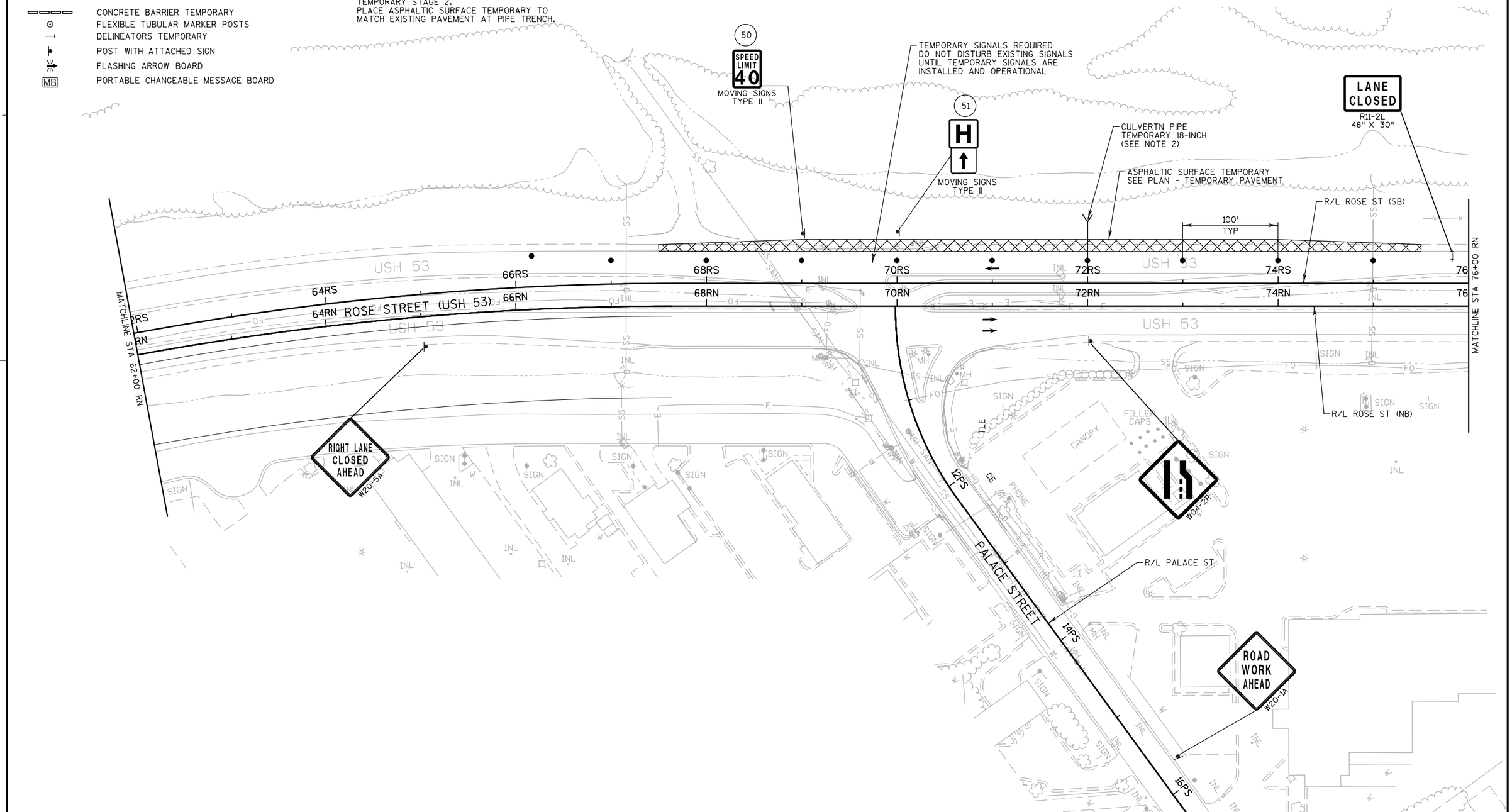
WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
1) LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.

2) ADJUST TRAFFIC BETWEEN INSIDE AND OUTSIDE SB LANES DURING OFF PEAK TO CONSTRUCT TEMPORARY CULVERT PIPE UNDER SB LANES. CONNECT TO INLET 2-25 WITH CULVERT PIPE TEMPORARY STAGE 2. PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH EXISTING PAVEMENT AT PIPE TRENCH.

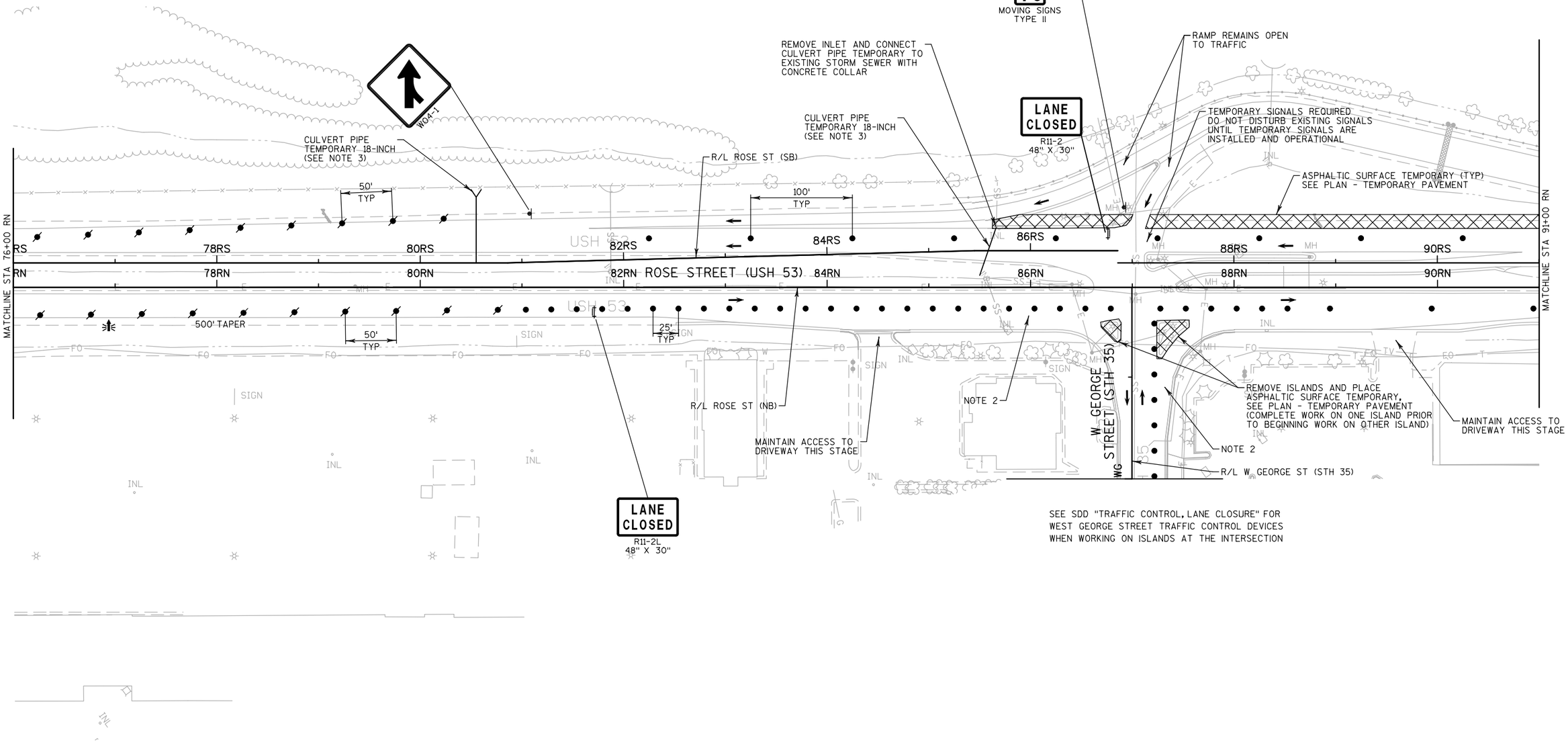


PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A	SHEET 264	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
1) LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.
2) MAINTAIN RIGHT TURN LANE WHEN NO CONSTRUCTION OPERATIONS ON RIGHT TURN ISLAND.
3) ADJUST TRAFFIC BETWEEN INSIDE AND OUTSIDE SB LANES DURING OFF PEAK TO CONSTRUCT TEMPORARY CULVERT PIPE. PLATE END IN MEDIAN UNTIL CONNECTED TO INLET STAGE 2. PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH EXISTING PAVEMENT AT PIPE TRENCH.



SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" FOR WEST GEORGE STREET TRAFFIC CONTROL DEVICES WHEN WORKING ON ISLANDS AT THE INTERSECTION

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A	SHEET 265	E

FILE NAME : ch_0682_026003_s1.dgn PLOT DATE : 30-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

CONSTRUCT STORM SEWER STRUCTURES 4-4 AND 4-5, AND PIPE PER STORM SEWER PLAN (SEE NOTE 2)

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

MOVING SIGNS TYPE II
53

100' TYP

R/L ROSE ST (SB)

MATCHLINE STA 91+00 RN

92RS 94RS 96RS 98RS

92RN 94RN 96RN ROSE STREET (USH 53) 98RN

SEE ID 1071-06-83 FOR ADDITIONAL TRAFFIC CONTROL

200' TAPER

25' TYP

25' TYP

SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL INFORMATION

R/L ROSE ST (NB)

14AR

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

MINI GOLF COURSE

VACUUM

SIGN

INL

FO

SS

18AR

R/L ACCESS ROAD

ROAD WORK AHEAD
W20-1A

ACCESS ROAD

ROAD CLOSED
R11-2
48" X 30"

R/L GEORGE STREET

16GS

18GS

GEORGE ST

GEORGE STREET

NOTES:
1) LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.

2) ADJUST TRAFFIC BETWEEN INSIDE AND OUTSIDE SB LANES DURING OFF PEAK TO CONSTRUCT STORM SEWER.
PLATE INLETS AND PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH EXISTING PAVEMENT AT PIPE TRENCH.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A	SHEET 266	E

2

142WG

GEORGE ST (STH 35)

144WG

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1A

ROAD WORK 500 FT
W20-1D

146WG

R/L W GEORGE ST

CUNNINGHAM ST

148WG

SEE SDD "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

USE DRUMS TO SHIFT STH 35 TRAFFIC DURING OFF PEAK TO SB OR NB EDGE AND CONSTRUCT PIPE 6-11 TO 6-8 TO 20'LT (SEE STORM SEWER PLAN)

PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH EXISTING PAVEMENT AT PIPE TRENCH

R4-7
24" X 30"

150WG

S3

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS" FOR ADDITIONAL INFORMATION FOR TRAFFIC CONTROL REQUIRED WHEN WORKING AT THE STH 35/GEORGE STREET INTERSECTION

ROAD WORK AHEAD
W20-1A

S2GS CAMPBELL ST

REMOVE INLET AND CONSTRUCT MH 6-8 THIS STAGE, CONNECT MH TO EXISTING STORM SEWER

REMOVE ISLANDS AND PLACE ASPHALTIC SURFACE TEMPORARY SEE PLAN - TEMPORARY PAVEMENT (NOTE 1)

S9GS

S8GS

R4-7
24" X 30"

152WG

S6GS

REMOVE MEDIAN ISLANDS AND PLACE ASPHALTIC SURFACE TEMPORARY SEE PLAN - TEMPORARY PAVEMENT (NOTE 1)

R/L GEORGE ST

12GS GEORGE STREET

14GS

ROAD CLOSED
R11-2
48" X 30"

ROSE STREET (USH 53)

86RS

86RN

88RN

156WG

W. GEORGE STREET (STH 35)

154WG

R/L ACCESS ROAD

ACCESS ROAD

16AR

16AR

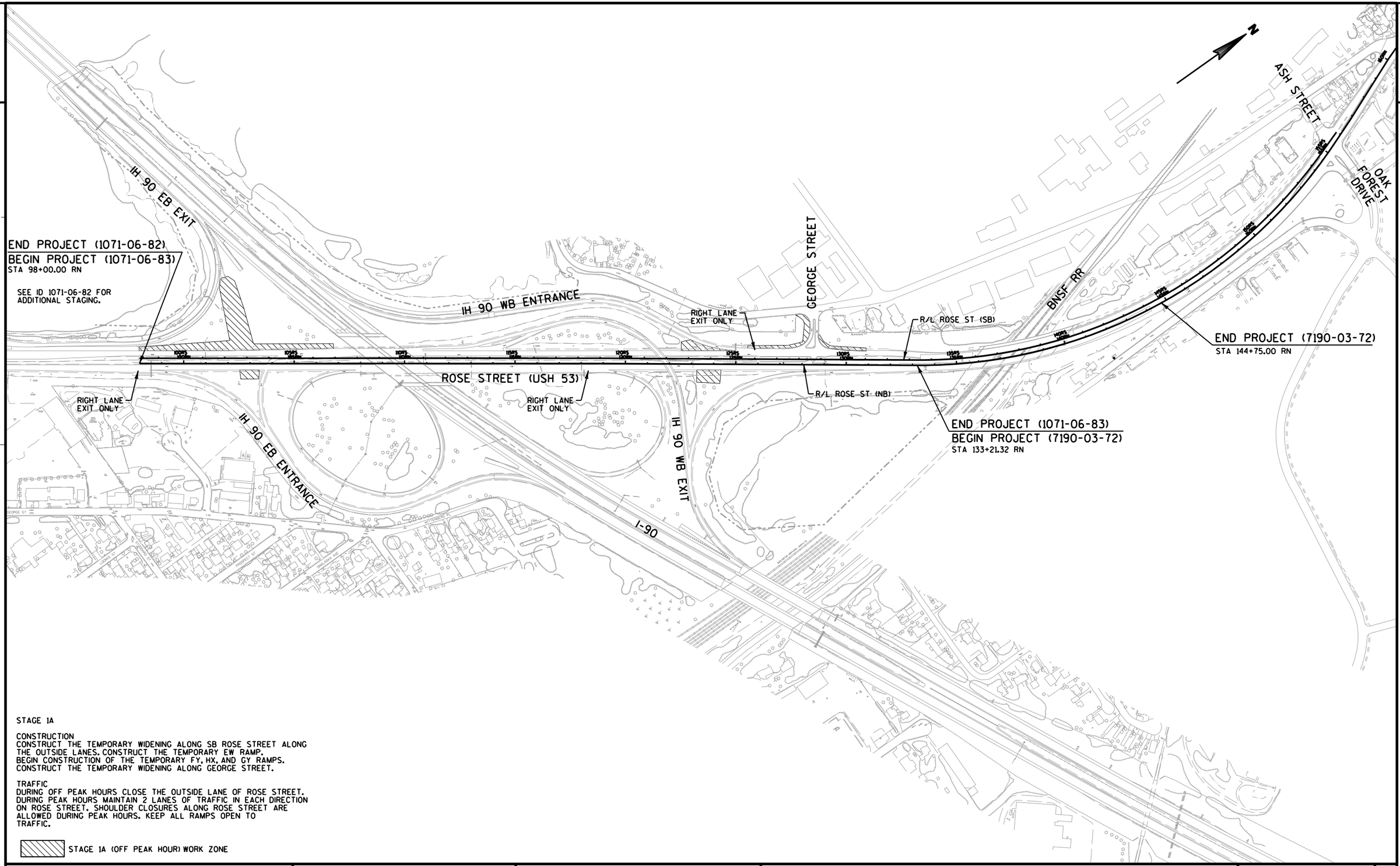
LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTE:

1) REMOVE MEDIAN ISLANDS & PLACE TEMPORARY PAVEMENT PRIOR TO WORK ON RIGHT TURN ISLAND AND STORM SEWER AT THE STH 35/GEORGE STREET INTERSECTION.

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 1A	SHEET 267	E



STAGE 1A

CONSTRUCTION
CONSTRUCT THE TEMPORARY WIDENING ALONG SB ROSE STREET ALONG THE OUTSIDE LANES. CONSTRUCT THE TEMPORARY EW RAMP. BEGIN CONSTRUCTION OF THE TEMPORARY FY, HX, AND GY RAMPS. CONSTRUCT THE TEMPORARY WIDENING ALONG GEORGE STREET.

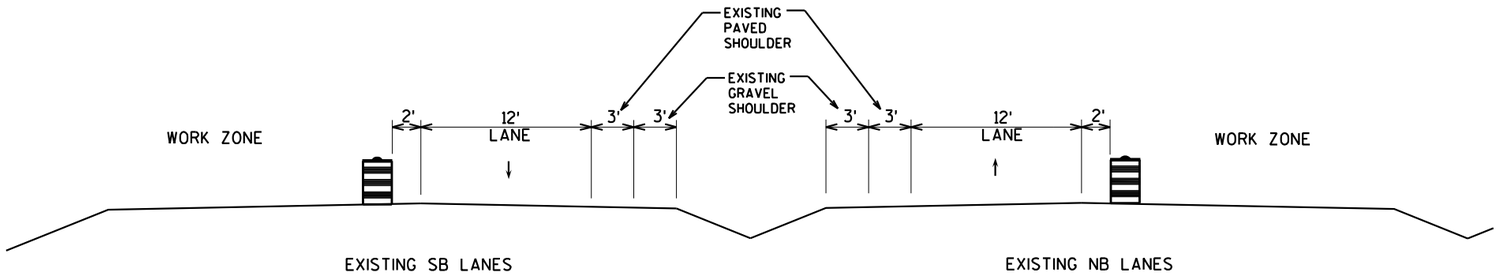
TRAFFIC
DURING OFF PEAK HOURS CLOSE THE OUTSIDE LANE OF ROSE STREET. DURING PEAK HOURS MAINTAIN 2 LANES OF TRAFFIC IN EACH DIRECTION ON ROSE STREET. SHOULDER CLOSURES ALONG ROSE STREET ARE ALLOWED DURING PEAK HOURS. KEEP ALL RAMPS OPEN TO TRAFFIC.

STAGE 1A (OFF PEAK HOUR) WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1A (OFF PEAK HOUR)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026000_s1a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400
WISDOT/CADDS SHEET 42

2



STAGE 1A - ROSE STREET

STA 98+00.00 RN - STA 151+00.00 RN

SEE "TRAFFIC CONTROL - STAGE 1A PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE SDD " TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL INFORMATION.

N

SOUTH
MOVING SIGNS TYPE II
10

IH 90 EB TO ROSE ST SB

ALTERNATE INTERSTATE 90
SOUTH SOUTH 35 53
MOVING SIGNS TYPE II
11

EAST NORTH INTERSTATE 90 53
EXISTING SIGN

LANE CLOSED
R11-2L
48" X 30"

REMOVING SIGNS TYPE II

MOVING SIGNS TYPE II
12

SPEED LIMIT 50
REMOVING SIGNS TYPE II

SPEED LIMIT 40
R2-1
24" X 30"

ROSE ST SB TO IH 90 WB

EAST NORTH INTERSTATE 90 53 Madison
EXISTING SIGN

10' SPACING (TYP)
25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

50' (TYP)

100RS 102RS 104RS 106RS 108RS 110RS 112RS
100RN 102RN 104RN 106RN 108RN 110RN 112RN

ROSE ST SB

ROSE ST NB

100' (TYP)

EXIT
E5-1
60" X 48"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

25' SPACING (TYP)

LANE CLOSED
R11-2L
48" X 30"

REMOVING SIGNS TYPE II

50' (TYP)

W4-3R
36" X 36"

50' (TYP)

AIRPORT NEXT LEFT
EXISTING SIGN

LANE CLOSED
R11-2L
48" X 30"

100' (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (3' LINE, 9' GAP)

IH 90 WB

IH 90 EB

IH 90 EB TO ROSE ST NB

WEST INTERSTATE 90 Minnesota EXIT 1/4 MI
COVERING SIGN TYPE I

EAST NORTH INTERSTATE 90 53 Madison
EXISTING SIGNS

ROSE ST TO IH 90 EB

ROAD WORK AHEAD
W20-1A

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR)	SHEET 270	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026001_s1a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

NOTE:
DO NOT WORK ON BOTH SIDES OF EXISTING ROSE ST SB TO IH 90 WB AT THE SAME TIME.

STA 125+14 RS
REMOVING SIGN BRIDGE S-32-20

ROSE ST SB TO IH 90 WB

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

W04-5

W04-1

MERGE AHEAD BE PREPARED TO STOP
100

MERGING TRAFFIC BE PREPARED TO STOP
101
102

SOUTH 53 AHEAD

SPEED LIMIT 50
REMOVING SIGNS TYPE II

SPEED LIMIT 40
R2-1
24" X 30"

50' (TYP)

100' (TYP)

LANE CLOSED
R11-2L
48" X 30"

EXIT
E5-1
60" X 48"

25' SPACING (TYP)

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

MOORINGS DR

EAST
M3-2
24" X 12"
90
M1-1
24" X 24"
USE LEFT LANE
M4-20L
24" X 24"

NORTH
M3-1
24" X 12"
53
M1-4
24" X 24"
USE LEFT LANE
M4-20L
24" X 24"

WEST
M3-4
24" X 12"
90
M1-1
24" X 24"
M06-2
21" X 21"

ONE WAY

STOP
R1-1
30" X 30"

15' SPACING (TYP)

GEORGE ST

George St
MOVING SIGNS TYPE II
13

ROSE ST SB

ROSE ST NB

ALTERNATE INTERSTATE 90

SPEED LIMIT 40
R2-1
24" X 30"

RAMP 25 M.P.H.

EXIT
E5-1
60" X 48"

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
(3'LINE, 9'GAP)

INTERSTATE 90 WEST
Minnesota
EXIT ONLY
EXISTING SIGN

REMOVING SIGNS TYPE II

IH 90 WB TO ROSE ST NB

W4-3R
36" X 36"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
(3'LINE, 9'GAP)

LANE CLOSED
R11-2L
48" X 30"

STA 109+80 RN - STA 117+20 RN
REMOVING PAVEMENT MARKING
(LANE LINE SKIPS, NB LANES)

STA 125+10 RS - STA 127+90 RS
REMOVING PAVEMENT MARKING
(LANE LINE SKIPS, SB LANES)

IH 90 WB TO ROSE ST SB

IH 90 WB

IH 90 EB

ROSE ST NB TO IH 90 WB

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR)	SHEET 271	E

2

15' SPACING (TYP)

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

SPEED LIMIT 50
REMOVING SIGNS TYPE II

SPEED LIMIT 40
R2-1
24" X 30"

100' (TYP)

100' (TYP)

EAST
M3-2
24" X 12"

NORTH
M3-1
24" X 12"

WEST
M3-4
24" X 12"

INTERSTATE 90
M1-1
24" X 24"

53
M1-4
24" X 24"

INTERSTATE 90
M1-1
24" X 24"

USE LEFT LANE
M4-20L
24" X 24"

USE LEFT LANE
M4-20L
24" X 24"

M05-2R
21" X 21"

ROSE ST NB

ROSE ST SB

SPEED LIMIT 40
R2-1
24" X 30"

SPEED LIMIT 50
REMOVING SIGNS TYPE II

LANE CLOSED
R11-2L
48" X 30"

100' (TYP)

STA 148+00 RS - STA 151+00 RS
REMOVING PAVEMENT MARKING
(LANE LINE SKIPS, SB LANES)

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

TEMPORARY PAVEMENT MARKING
REMOVABLE TAPE 4-INCH (WHITE)

50' (TYP)

FLASHING ARROW BOARD

ROSE ST SB

ROSE ST NB

W04-2R

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

ASH ST

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

OAK FOREST DR

FILLER CAPS

CANOPY

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR)	SHEET 272	E

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

IH 90 WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

RAMP CLOSED
R11-2R
48" X 30"

25' SPACING (TYP)

SOUTH
M3-3
24" X 12"

53
M1-4
24" X 24"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

IH 90 EB TO ROSE ST SB

SEE "TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR)" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR) - IH 90	SHEET 273	E

SEE "TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR)" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

N

IH 90 WB TO ROSE ST

ROSE ST NB TO IH 90 WB

IH 90 WB

IH 90 EB

ROSE ST TO IH 90 EB

SOUTH
M3-3
24" X 12"

53
M1-4
24" X 24"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A
PLACE PER SDD

END ROAD WORK
G20-2A
48" X 24"

BURLINGTON NORTHERN - SANTA FE

200WB 202WB 204WB 206WB 208WB 210WB 212WB 214WB

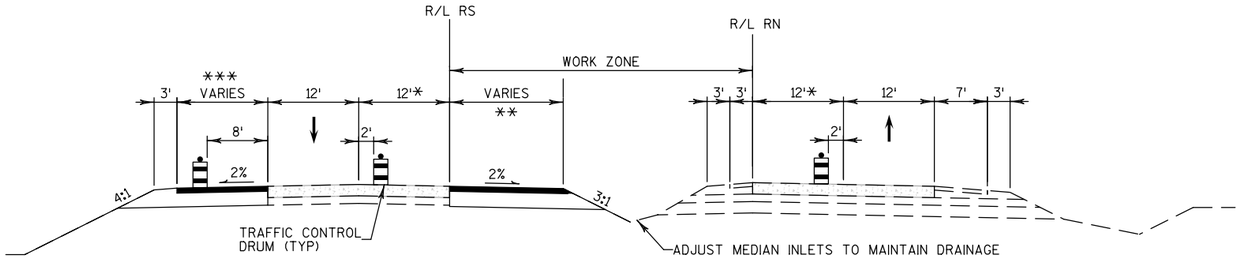
200EB 202EB 204EB 206EB 208EB 210EB 212EB 214EB

SAN OH FO W SIGN POOL

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A (OFF PEAK HOUR) - IH 90	SHEET 274	E

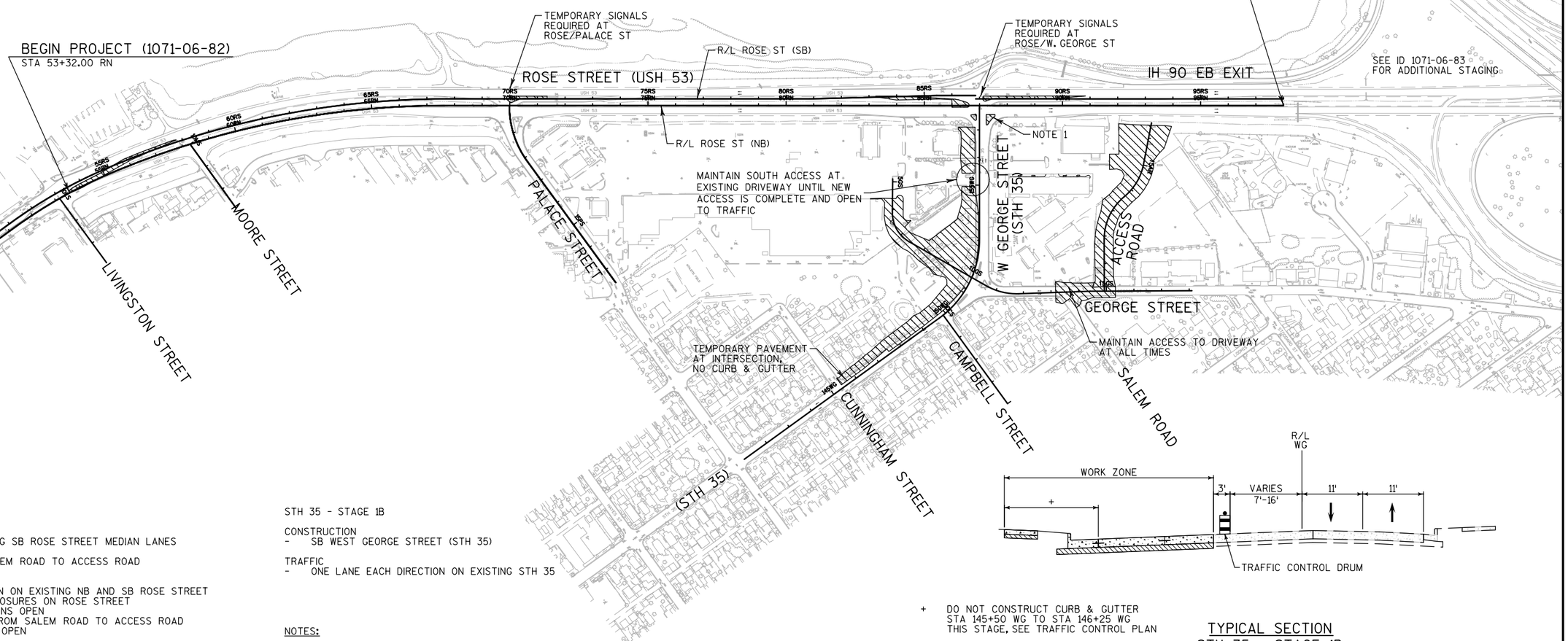


* LANE CLOSURE DURING OFF PEAK ONLY

** SEE TYPICAL SECTIONS AND PLAN - TEMPORARY PAVEMENT

*** PLACE TRAFFIC CONTROL DRUMS AT 100' SPACING TO PROVIDE 8' SHOULDER WHEN TEMPORARY PAVEMENT NOT USED FOR TRAFFIC LANE

TYPICAL SECTION
STAGE 1B
ROSE STREET



STAGE 1B

CONSTRUCTION
- TEMPORARY WIDENING ALONG SB ROSE STREET MEDIAN LANES
- ACCESS ROAD
- GEORGE STREET FROM SALEM ROAD TO ACCESS ROAD

TRAFFIC
- TWO LANES EACH DIRECTION ON EXISTING NB AND SB ROSE STREET
- OFF PEAK MEDIAN LANE CLOSURES ON ROSE STREET
- IH 90 EB EXIT RAMP REMAINS OPEN
- GEORGE STREET CLOSED FROM SALEM ROAD TO ACCESS ROAD
- ALL OTHER ROADS REMAIN OPEN

STAGE 1B WORK ZONE

STH 35 - STAGE 1B

CONSTRUCTION
- SB WEST GEORGE STREET (STH 35)

TRAFFIC
- ONE LANE EACH DIRECTION ON EXISTING STH 35

NOTES:

1. COMPLETE TEMPORARY PAVEMENT AT ROSE STREET/W. GEORGE STREET INTERSECTION PRIOR TO STH 35 - STAGE 1B TRAFFIC SWITCH FOR STH 35

\+ DO NOT CONSTRUCT CURB & GUTTER STA 145+50 WG TO STA 146+25 WG THIS STAGE, SEE TRAFFIC CONTROL PLAN

TYPICAL SECTION
STH 35 - STAGE 1B
W. GEORGE STREET

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1B	SHEET 275	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTE:
LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.

N

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

ASPHALTIC SURFACE TEMPORARY, SEE PLAN - TEMPORARY PAVEMENT

LANE CLOSED
R11-2L
48" X 30"

R/L ROSE ST (SB)

END ROAD WORK
G20-2A
48" X 24"

50' TYP

USH 53

58RS
58RN
60RS
60RN
56RS
56RN
54RS
54RN
52RS
52RN
50RS
50RN
ROSE STREET (USH 53)

10WS

100' TYP

MATCHLINE STA 62+00 RN

ADJUST INLET COVER TO MAINTAIN MEDIAN DRAINAGE

R/L ROSE ST (NB)

ROSE COURT

FRONTAGE ROAD

10LS

W1-6
48" X 24"

LIVINGSTON STREET

12LS

12WS

R/L LIVINGSTON ST

R/L MOORE ST

MOORE STREET

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

320'

ADVANCED WARNING

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

ADVANCED WARNING

500' 500'

ROAD WORK AHEAD
W20-1A

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

ROAD WORK AHEAD
W20-1A

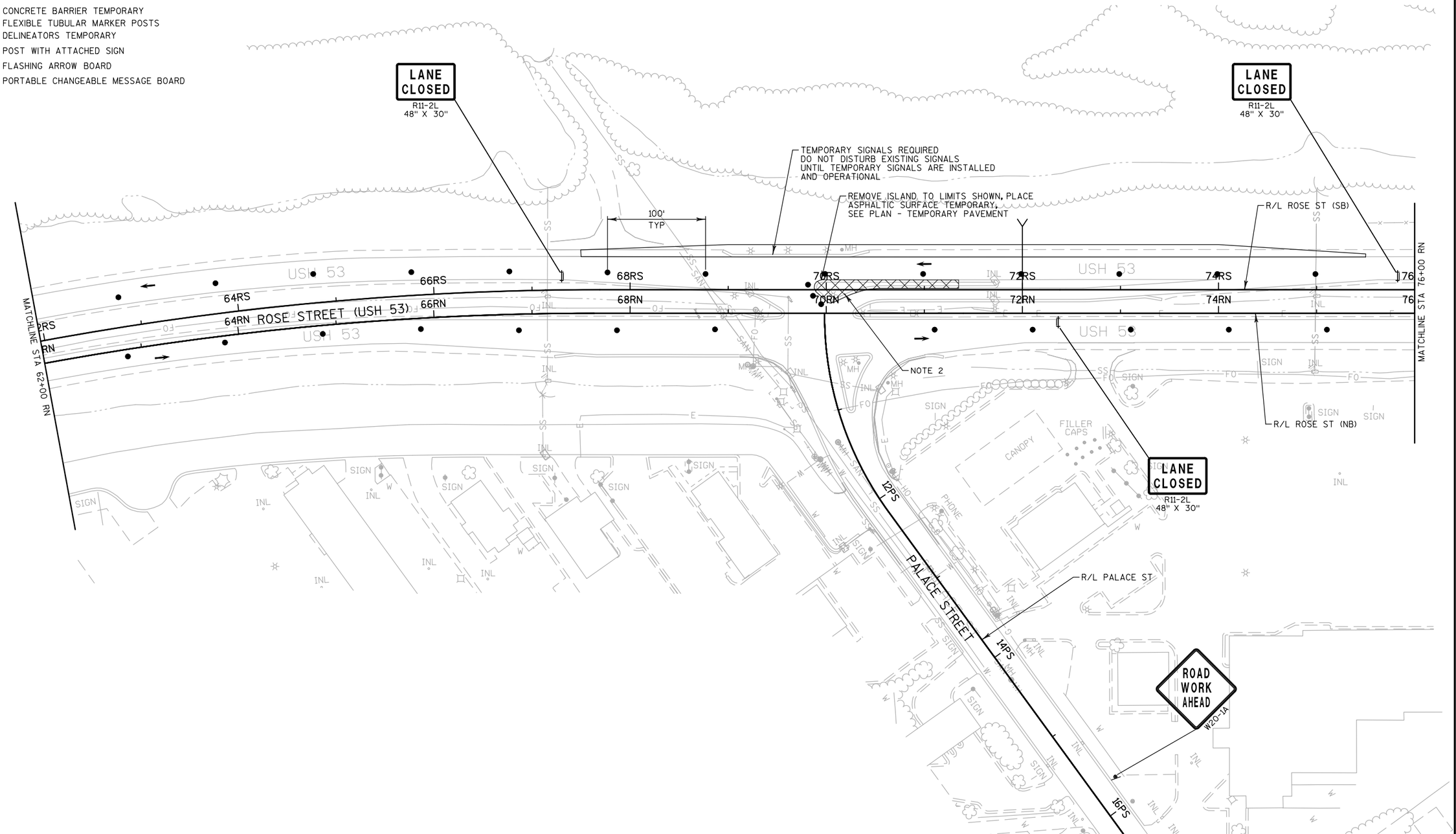
ROAD WORK AHEAD
W20-1A

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET 276	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
1) LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.
2) MAINTAIN SB ROSE STREET LEFT TURN LANE AND DO NOT WORK ON ISLAND AT PALACE STREET WHEN WORKING IN MEDIAN AT W. GEORGE STREET INTERSECTION.



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET 277	E

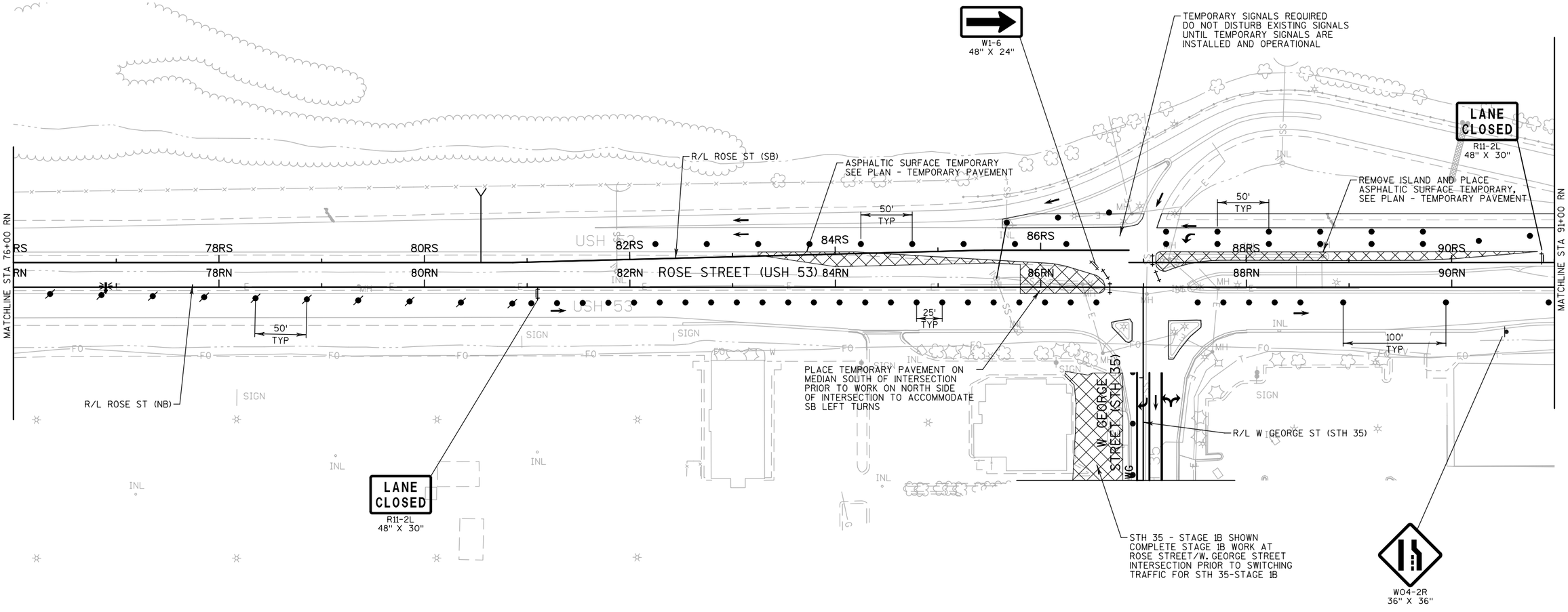
2

LEGEND

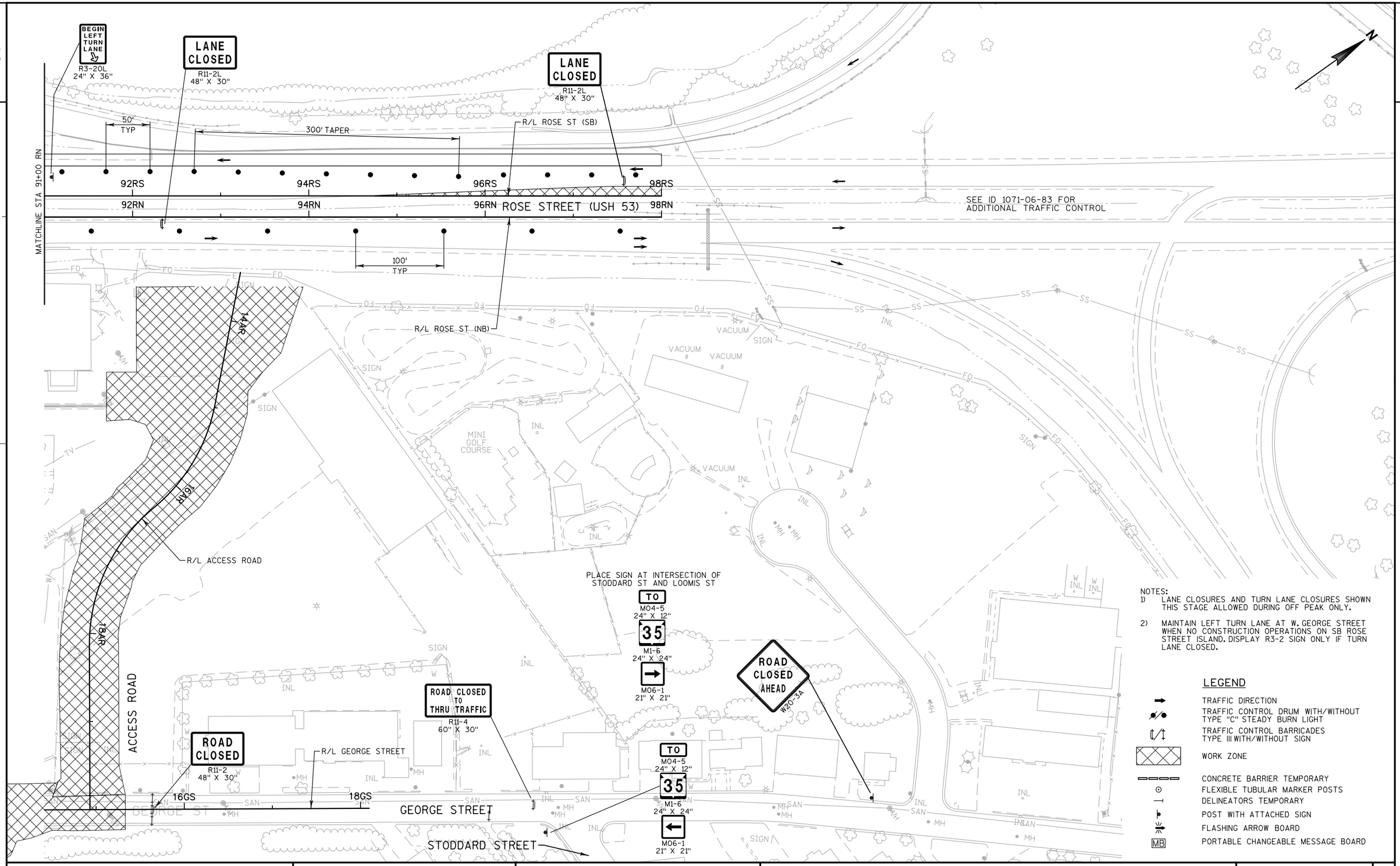
- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
1) LANE CLOSURES AND TURN LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.

2) MAINTAIN SB ROSE STREET LEFT TURN LANE AND DO NOT WORK ON MEDIAN AT W. GEORGE STREET WHEN WORKING ON ISLAND AT PALACE STREET INTERSECTION.



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET 278	E



NOTES:

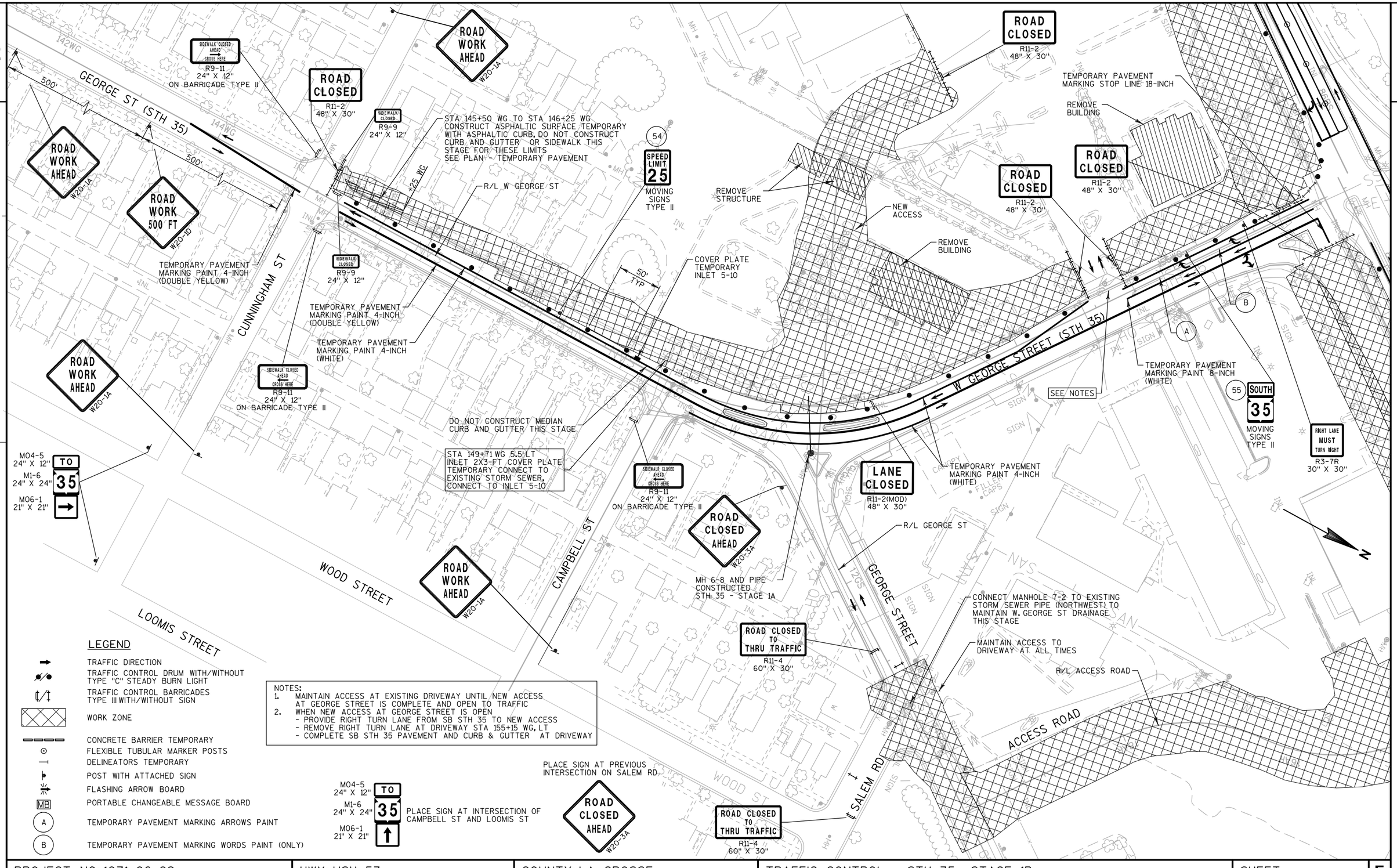
1) LANE CLOSURES AND TURN LANE CLOSURES SHOWN THIS STAGE ALLOWED DURING OFF PEAK ONLY.

2) MAINTAIN LEFT TURN LANE AT W. GEORGE STREET WHEN NO CONSTRUCTION OPERATIONS ON SB ROSE STREET ISLAND. DISPLAY R3-2 SIGN ONLY IF TURN LANE CLOSED.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET 279	E



LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- A — TEMPORARY PAVEMENT MARKING ARROWS PAINT
- B — TEMPORARY PAVEMENT MARKING WORDS PAINT (ONLY)

NOTES:
1. MAINTAIN ACCESS AT EXISTING DRIVEWAY UNTIL NEW ACCESS AT GEORGE STREET IS COMPLETE AND OPEN TO TRAFFIC
2. WHEN NEW ACCESS AT GEORGE STREET IS OPEN
   - PROVIDE RIGHT TURN LANE FROM SB STH 35 TO NEW ACCESS
   - REMOVE RIGHT TURN LANE AT DRIVEWAY STA 155+15 WG, LT
   - COMPLETE SB STH 35 PAVEMENT AND CURB & GUTTER AT DRIVEWAY

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 -STAGE 1B	SHEET 280	E

2

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

SEE ID 1071-06-82 FOR ADDITIONAL STAGING.

IH 90 EB EXIT

IH 90 WB ENTRANCE

RIGHT LANE EXIT ONLY

GEORGE STREET

R/L ROSE ST (SB)

BNSF RR

ASH STREET

OAK FOREST DRIVE

END PROJECT (7190-03-72)
STA 144+75.00 RN

ROSE STREET (USH 53)

RIGHT LANE EXIT ONLY

EXISTING RAMP CONNECTION CLOSED

R/L ROSE ST (NB)

EXISTING RAMP CONNECTION CLOSED

END PROJECT (1071-06-83)
BEGIN PROJECT (7190-03-72)
STA 133+21.32 RN

IH 90 EB ENTRANCE

IH 90 WB EXIT

I-90

STAGE 1B (OFF PEAK HOUR)

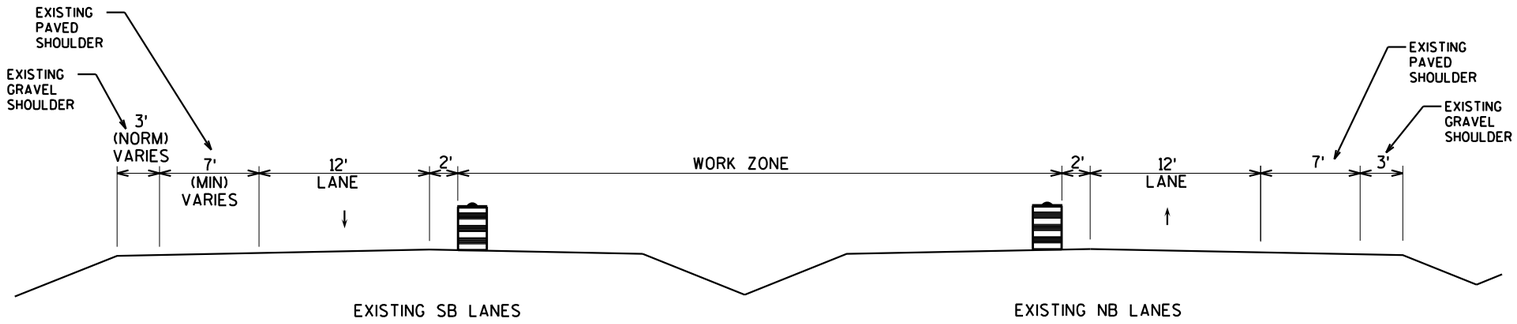
CONSTRUCTION
CONSTRUCT THE TEMPORARY WIDENING WITHIN THE MEDIAN OF ROSE STREET AND REMOVE SIGN BRIDGE S-32-20. COMPLETE CONSTRUCTION OF THE FY, GY, AND HX RAMPS. CONSTRUCT THE TEMPORARY RW CROSSOVER. CONSTRUCT TEMPORARY WIDENING IN MEDIAN OF GEORGE STREET.

TRAFFIC
DURING OFF PEAK HOURS CLOSE THE MEDIAN LANE OF ROSE STREET. DURING PEAK HOURS MAINTAIN 2 LANES OF TRAFFIC IN EACH DIRECTION ON ROSE STREET. SHOULDER CLOSURES ALONG ROSE STREET ARE ALLOWED DURING PEAK HOURS. CLOSE THE IH 90 WB TO ROSE STREET NB RAMP AND DETOUR TRAFFIC THRU THE CTH B INTERCHANGE. CLOSE THE ROSE STREET SB TO IH 90 EB RAMP CONNECTION AND DETOUR TRAFFIC THRU THE CTH B INTERCHANGE. OPEN THE HX RAMP TO TRAFFIC. KEEP ALL OTHER RAMPS OPEN TO TRAFFIC. OFF PEAK HOUR FLAGGING OF EB GEORGE STREET IS ALLOWED. OFF PEAK HOUR FLAGGING ON MOORINGS DRIVE IS ALLOWED FOR GEORGE STREET WORK.

STAGE 1B (OFF PEAK HOUR) WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1B (OFF PEAK HOUR)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\ao_0682_026100_s1b.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400



STAGE 1B - ROSE STREET

STA 98+00.00 RN - STA 151+00.00 RN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS TEMPORARY - STAGE 1B	SHEET 282 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_025002_tc.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 1B PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE SDD " TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL INFORMATION.

SEE "ROSE STREET RAMP DETOURS (STAGE 1B)" FOR ADDITIONAL INFORMATION.

N

ROSE ST SB TO IH 90 WB

IH 90 EB TO ROSE ST SB

CLOSED

STA 107+50 RS - STA 108+03 RS
INSTALL MGS GUARDRAIL
TEMPORARY TERMINAL EAT

RAMP CLOSED
R11-2R
48" X 30"

SPEED LIMIT 40
R2-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

50' (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

ROSE ST SB

100' (TYP)

ROSE ST NB

LANE CLOSED
R11-2L
48" X 30"

EXIT

RAMP CLOSED
R11-2R
48" X 30"

CLOSED

RAMP CLOSED
R11-2R
48" X 30"

W4-3R
36" X 36"

IH 90 WB

IH 90 EB

IH 90 EB TO ROSE ST NB

25' SPACING (TYP)

ROSE ST TO IH 90 EB

ROAD WORK AHEAD
W20-1A

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR)	SHEET 283	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026101_s1b.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

ROSE ST SB TO IH 90 WB

W04-5

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

SOUTH 53 AHEAD

W04-1

MERGE AHEAD BE PREPARED TO STOP

50' (TYP)

SPEED LIMIT 40 R2-1 24" X 30"

MERGING TRAFFIC BE PREPARED TO STOP

LANE CLOSED R11-2L 48" X 30"

50' (TYP)

EXIT E5-1 60" X 48"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (3' LINE, 9' GAP)

25' SPACING (TYP)

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1A

MOORINGS DR

WEST M3-4 24" X 12"

90 M1-1 24" X 24"

M06-2 21" X 21"

15' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

STOP R1-1 30" X 30"

ONE WAY

STOP

GEORGE ST

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

16' (MIN)

ROSE ST SB

100' (TYP)

116RS 118RS 120RS 122RS 124RS 126RS

116RN 118RN 120RN 122RN 124RN 126RN

ROSE ST NB

100' (TYP)

LANE CLOSED R11-2L 48" X 30"

ALTERNATE INTERSTATE 90

SPEED LIMIT 40 R2-1 24" X 30"

RAMP 25 M.P.H.

EXIT

IH 90 WB TO ROSE ST SB

RAMP CLOSED R11-2R 48" X 30"

CLOSED

BEGIN LEFT TURN LANE R3-20L 24" X 36"

25' SPACING (TYP)

W01-6 48" X 24"

REMOVING SIGN BRIDGE S-32-20

IH 90 WB

IH 90 EB

ROSE ST NB TO IH 90 WB

SEE "TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL INFORMATION.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026102_s1b.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

SPEED LIMIT 40
R2-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA 134+75 - STA 135+77
INSTALL MGS GUARDRAIL TEMPORARY

CLOSED

134RS

100' (TYP)

ROSE ST SB

136RS

136RN

ROSE ST NB

138RS

138RN

100' (TYP)

140RS

140RN

142RS

142RN

144RS

144RN

EAST
M3-2
24" X 12"

NORTH
M3-1
24" X 12"

WEST
M3-4
24" X 12"

EASTBOUND
90
M1-1
24" X 24"

53
M1-4
24" X 24"

WESTBOUND
90
M1-1
24" X 24"

USE LEFT LANE
M4-20L
24" X 24"

USE LEFT LANE
M4-20L
24" X 24"

M05-2R
21" X 21"

LANE CLOSED
R11-2L
48" X 30"

SPEED LIMIT 40
R2-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

N

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

144RS

100' (TYP)

100' (TYP)

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

148RS

148RN

ROSE ST SB

FLASHING ARROW BOARD

50' (TYP)

150RS

150RN

25' SPACING (TYP)

ROSE ST NB

152RS

152RN

154RS

154RN

156RN

158RN

160R

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

W04-2L

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

ASH ST

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

OAK FOREST DR

FILLER CAPS

CANOPY

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR)	SHEET 285 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026103_s1b.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

SOUTH
M3-3
24" X 12"

53
M1-4
24" X 24"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

25' SPACING (TYP)

RAMP CLOSED
R11-2R
48" X 30"

IH 90 EB TO ROSE ST SB

SEE "ROSE STREET RAMP DETOURS (STAGE 1B)" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR)" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR) - IH 90	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026104_s1b.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR)" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

SEE "ROSE STREET RAMP DETOURS (STAGE 1B)" FOR ADDITIONAL INFORMATION.

RAMP CLOSED
R11-2R
48" X 30"

IH 90 WB TO ROSE ST SB

25' SPACING (TYP)

ROSE ST NB TO IH 90 WB

IH 90 WB

IH 90 EB

ROSE ST TO IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

SOUTH
M3-3
24" X 12"

53 M1-4 24" X 24"
35 M1-6 24" X 24"

ROAD WORK AHEAD
W20-1A

PLACE PER SDD

BURLINGTON NORTHERN - SANTA FE

200WB 202WB 204WB 206WB 208WB 210WB 212WB 214WB
200EB 202EB 204EB 206EB 208EB 210EB 212EB 214EB

SAN FO OH W MH POOL SIGN

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B (OFF PEAK HOUR) - IH 90	SHEET 287	E

2

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

SEE ID 1071-06-82 FOR ADDITIONAL STAGING.

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 EB RAMP TERMINALS

IH 90 EB EXIT

IH 90 WB ENTRANCE

RAMP CLOSED

ROSE ST CLOSED

ROSE STREET (USH 53)

TEMPORARY PAVEMENT WIDENING EXISTING SB ROSE STREET MEDIAN/OUTSIDE LANES

RIGHT LANE EXIT ONLY

IH 90 EB ENTRANCE

RAMP CLOSED

RAMP CLOSED

IH 90 WB EXIT

I-90

RIGHT LANE EXIT ONLY

GEORGE STREET

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 WB RAMP TERMINALS

R/L ROSE ST (NB)

R/L ROSE ST (SB)

TEMPORARY CROSSOVER ON TEMPORARY PAVEMENT

BNSF RR

ASH STREET

OAK FOREST DRIVE

END PROJECT (1071-06-83)
BEGIN PROJECT (7190-03-72)
STA 133+21.32 RN

END PROJECT (7190-03-72)
STA 144+75.00 RN

STAGE 1C

CONSTRUCTION
REMOVE EXISTING STRUCTURE B-32-038. CONSTRUCT TEMPORARY WIDENING ALONG ROSE STREET SB LANES. REMOVE SIGN BRIDGE S-32-18. PLACE FINAL TYPE ISIGNS ON IH 90 FOR STAGE 2A LAYOUT.

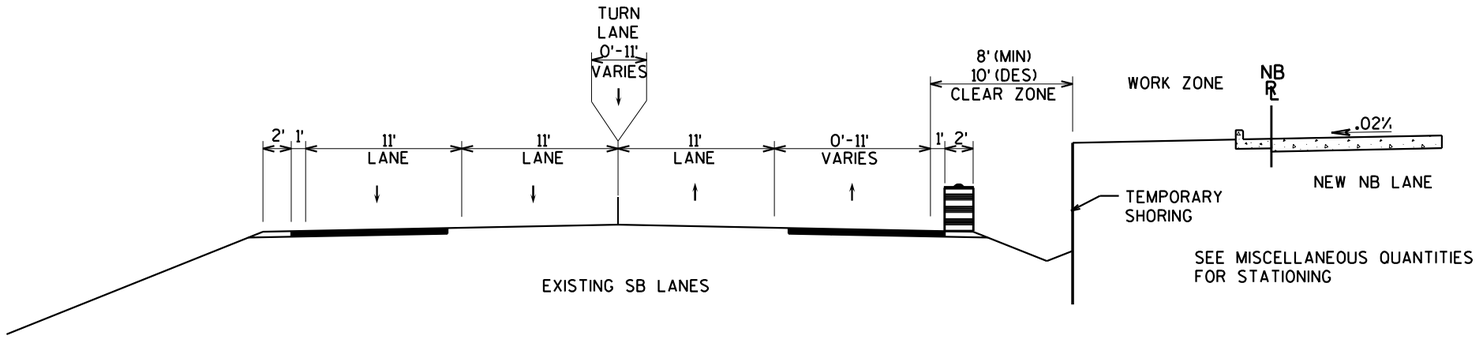
TRAFFIC
STARTING AT 10 PM ON A FRIDAY NIGHT CLOSE ROSE STREET BETWEEN THE IH 90 EB AND IH 90 WB RAMP TERMINALS. OPEN ROSE STREET TO STAGE 2A TRAFFIC LAYOUT PRIOR TO 4 AM THE FOLLOWING MONDAY MORNING. DETOUR ROSE STREET TRAFFIC THRU THE CTH B AND STH 157 INTERCHANGES. OPEN THE GY, FY, HX, AND EW RAMPS TO TRAFFIC. SWITCH ROSE STREET TRAFFIC TO BE BIDIRECTIONAL ON EXISTING ROSE STREET SB LANES AND WIDENING USING THE RW CROSSOVER.

STAGE 1C WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1C	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\da_0682_026200_s1c.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400

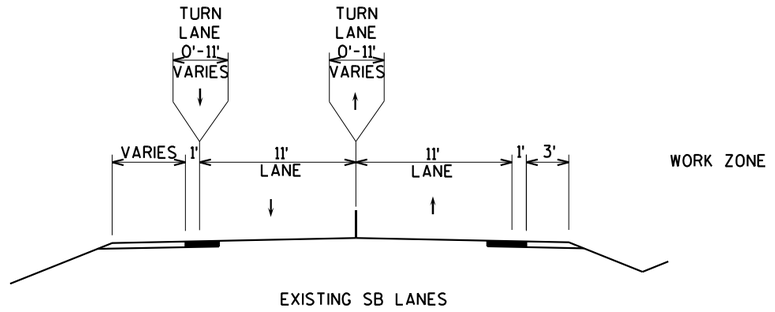
2



STAGE 1C/2A/2B (TRAFFIC BIDIRECTIONAL ON SB LANES) W/TEMPORARY SHORING

STA 98+00.00 RN - STA 127+00.00 RN

* ROSE STREET CLOSED BETWEEN RAMP TERMINALS IN STAGE 1C



STAGE 1C/2A/2B (TRAFFIC BIDIRECTIONAL ON SB LANES) W/TEMPORARY SHORING

STA 127+00.00 RN - STA 144+00.00 RN

2

SEE "TRAFFIC CONTROL - STAGE 1C - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "STH 35 NORTHBOUND DETOUR (STAGE 1C)" AND "STH 35 SOUTHBOUND DETOUR (STAGE 1C)" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGES 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 1C/2A PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

SEE STH 35 NORTHBOUND/SOUTHBOUND DETOUR (STAGE 1C) FOR ADDITIONAL SIGNS.

TO M4-5 24" X 12"
NORTH M3-1 24" X 12"
SOUTH M3-3 24" X 12"
SOUTH M3-3 24" X 12"
35 M1-6 24" X 24"
53 M1-4 24" X 24"
35 M1-6 24" X 24"
M06-1 21" X 21"
M05-1R 21" X 21"
M05-1R 21" X 21"

TO M4-5 24" X 12"
NORTH M3-1 24" X 12"
SOUTH M3-3 24" X 12"
SOUTH M3-3 24" X 12"
35 M1-6 24" X 24"
53 M1-4 24" X 24"
35 M1-6 24" X 24"
M06-1 21" X 21"
M06-1 21" X 21"
M06-1 21" X 21"

SOUTH
ALTERNATE ROUTE 90
SOUTH SOUTH 35 53

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE, SKIPS)
TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

CLOSED

DO NOT ENTER R5-1 36" X 36"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

WRONG WAY R5-1A 42" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

YIELD R1-2 36" X 31"

R3-2 24" X 24"

DO NOT ENTER R5-1 36" X 36"

ROAD CLOSED R11-2 48" X 30"

W1-6 48" X 24"

5' SPACING (TYP)

30' (TYP)

100' (TYP)

ROSE ST

IH 90 EB TO ROSE ST

ROSE ST TO IH 90 WB

CLOSED

CLOSED

CLOSED

R3-2 24" X 24"

ROAD CLOSED R11-2 48" X 30"

SOUTH SOUTH 35 53
REMOVING SIGNS TYPE II

PEDESTRIANS BICYCLES (ONLY MOTORIZED TRAVEL MOTOR BICYCLES) PROHIBITED
17
MOVING SIGNS TYPE II

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

25' SPACING (TYP)

W04-2L

CLOSED

STA 98+53
REMOVING SIGN BRIDGE S-32-18

NORTH M3-1 24" X 12"
35 M1-6 24" X 24"
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30"
PLACE PRIOR TO STH 35/W. GEORGE INTERSECTION ON BOTH USH 53 AND STH 35 (COVER "LOCAL TRAFFIC ONLY")

REMOVING SIGNS TYPE II

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

106FY

ROSE ST TO IH 90 EB

IH 90 WB

IH 90 EB

CLOSED

STA 98+14 RS - STA 148+00 RS
REMOVING PAVEMENT MARKING (EDGELINE)

STA 98+14 RS - STA 148+00 RS
REMOVING PAVEMENT MARKING (LANE LINE SKIPS, SB LANES)

STA 98+14 RS - STA 135+20 RS
REMOVING PAVEMENT MARKING (EDGELINE)

STA 104+50 RS - STA 106+00 RS
STA 111+70 RS - STA 116+50 RS
REMOVING PAVEMENT MARKING (CHANNELIZING)

STA 99+25 RS
STA 102+05 RS
TEMPORARY PAVEMENT MARKING ARROWS PAINT

STA 100+75 RS
TEMPORARY PAVEMENT MARKING WORDS PAINT

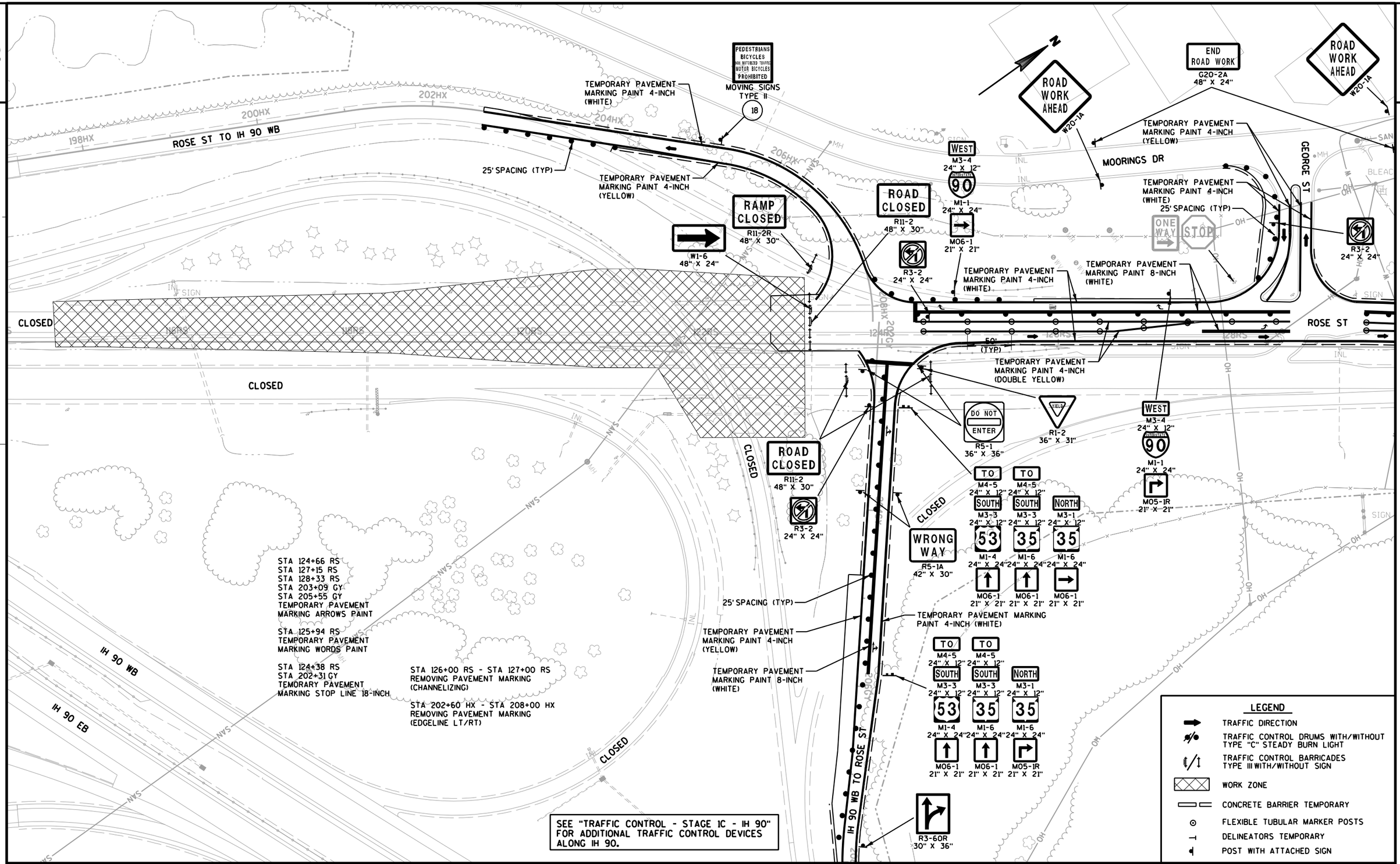
STA 102+34 RS
STA 189+13 EW
TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C	SHEET 290	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026201_s1c.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026202_s1c.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2

2

25' SPACING (TYP)

SPEED LIMIT 40 R2-1 24" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

W06-5

DO NOT PASS R4-1 24" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

W06-1

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

R4-7 24" X 30"

15' SPACING (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

50' (TYP)

SPEED LIMIT 40 R2-1 24" X 30"

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

W01-4R

ROSE ST

132RW 134RW 136RW 138RW 140RW 142RW 144RW

INL

SIGN

BLEACHERS

MH

VACUUM

W

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

W06-3

15' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

LANE CLOSED R11-2L 48" X 30"

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

W1-6 48" X 24"

50' (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

ROSE ST SB

ROSE ST NB

50' (TYP)

FLASHING ARROW BOARD

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION.

END ROAD WORK G20-2A 48" X 24"

144RW 146RW 148RW

W04-2L

SOUTH M3-3 24" X 12" 35 M1-6 24" X 24"

ROAD WORK AHEAD W20-1A

ASH ST

OAK FOREST DR

MAX. 10' WIDTH W12-52

XX MILES AHEAD W057-52 36" X 24"

PLACE PRIOR TO STH 157 (MAIN ST)

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" SOUTH M3-3 24" X 12" 35 M1-6 24" X 24"

ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30"

PLACE PRIOR TO STH 157 (MAIN ST) (COVER "LOCAL TRAFFIC ONLY")

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" SOUTH M3-3 24" X 12" 35 M1-6 24" X 24"

ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30"

(COVER "LOCAL TRAFFIC ONLY")

MAX. 10' WIDTH W12-52

ROAD WORK NEXT 2 MILES G20-1 60" X 24"

LEFT LANE CLOSED AHEAD W20-5A

ROAD WORK AHEAD W20-1A

FILLER CAPS

CANOPY

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026203_s1c.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

EXIT
E5-1
60" X 48"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

W1-6
48" X 24"

RAMP CLOSED
R11-2R
48" X 30"

IH 90 EB TO ROSE ST

SOUTH
53 35
NARROW LANES
10' MAX WIDTH
G20-59
120" X 84"
105

WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"
106

STA 184+60 EW - STA 186+00 EW
REMOVING PAVEMENT MARKING
(EDGELINE LT/RT)

SEE "STH 35 NORTHBOUND DETOUR (STAGE 1C)" AND "STH 35 SOUTHBOUND DETOUR (STAGE 1C)" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 1C" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C - IH 90	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026204_s1c.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 1C" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

N

25' SPACING (TYP)

IH 90 WB TO ROSE ST NB

CLOSED

CLOSED

STA 209+00 GY - STA 212+00 GY
STA 209+00 GY - STA 212+10 GY
REMOVING PAVEMENT MARKING
(EDGELINE LT/RT)

RAMP CLOSED
R11-2R
48" X 30"

W1-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

EXIT
E5-1
60" X 48"

25' SPACING (TYP)

WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

107

108

SOUTH
53
35
NARROW LANES
10' MAX WIDTH
G20-59
120" X 84"

COVERING SIGNS TYPE II

EXIT
30
M.P.H.
W13-2
24" X 30"

BURLINGTON NORTHERN SANTA FE

200WB 202WB 204WB 206WB 208WB 210WB 212WB 214WB

IH 90 WB

200EB 202EB 204EB 206EB 208EB 210EB 212EB 214EB

IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

ROSE ST TO IH 90 EB

SAN FO OH W MH WV POOL SIGN

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C - IH 90	SHEET 294	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026205_s1c.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

SEE TRAFFIC CONTROL - STAGES 1C/2A/2B SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES FOR PROJECT.

COMPLETE FINAL PAVEMENT MARKING ON IH 90 DURING THIS STAGE.

REMOVE SIGNS ON IH 90 FOR EXIT AND ENTRANCE RAMPS. SEE SIGNING PLAN FOR ADDITIONAL DETAILS.

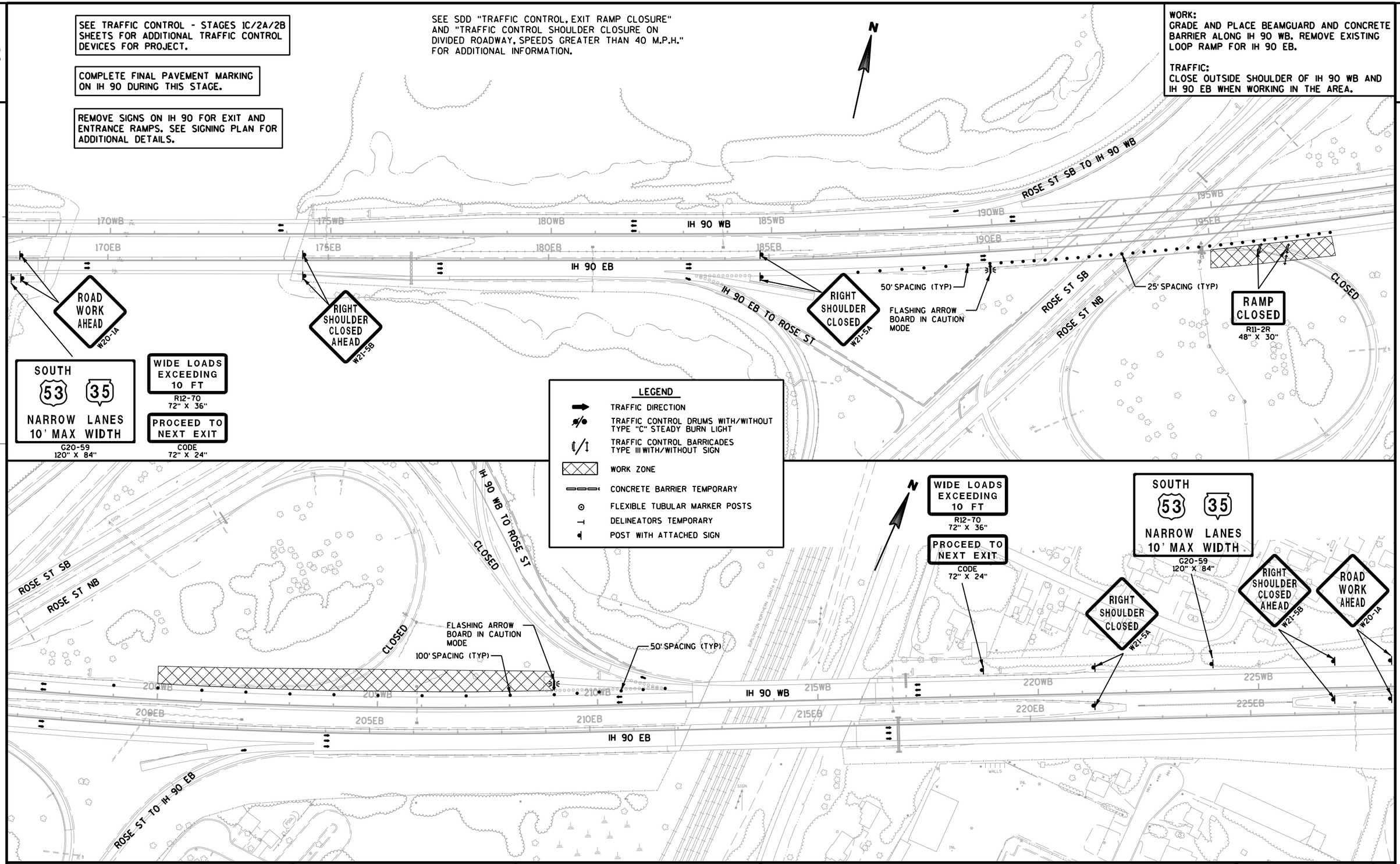
SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE" AND "TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL INFORMATION.

N

WORK:
GRADE AND PLACE BEAMGUARD AND CONCRETE BARRIER ALONG IH 90 WB. REMOVE EXISTING LOOP RAMP FOR IH 90 EB.

TRAFFIC:
CLOSE OUTSIDE SHOULDER OF IH 90 WB AND IH 90 EB WHEN WORKING IN THE AREA.

2



PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - IH 90 SHOULDER CLOSURE - STAGES 1C/2A/2B	SHEET 295	E

STAGE 2A (ROSE STREET)

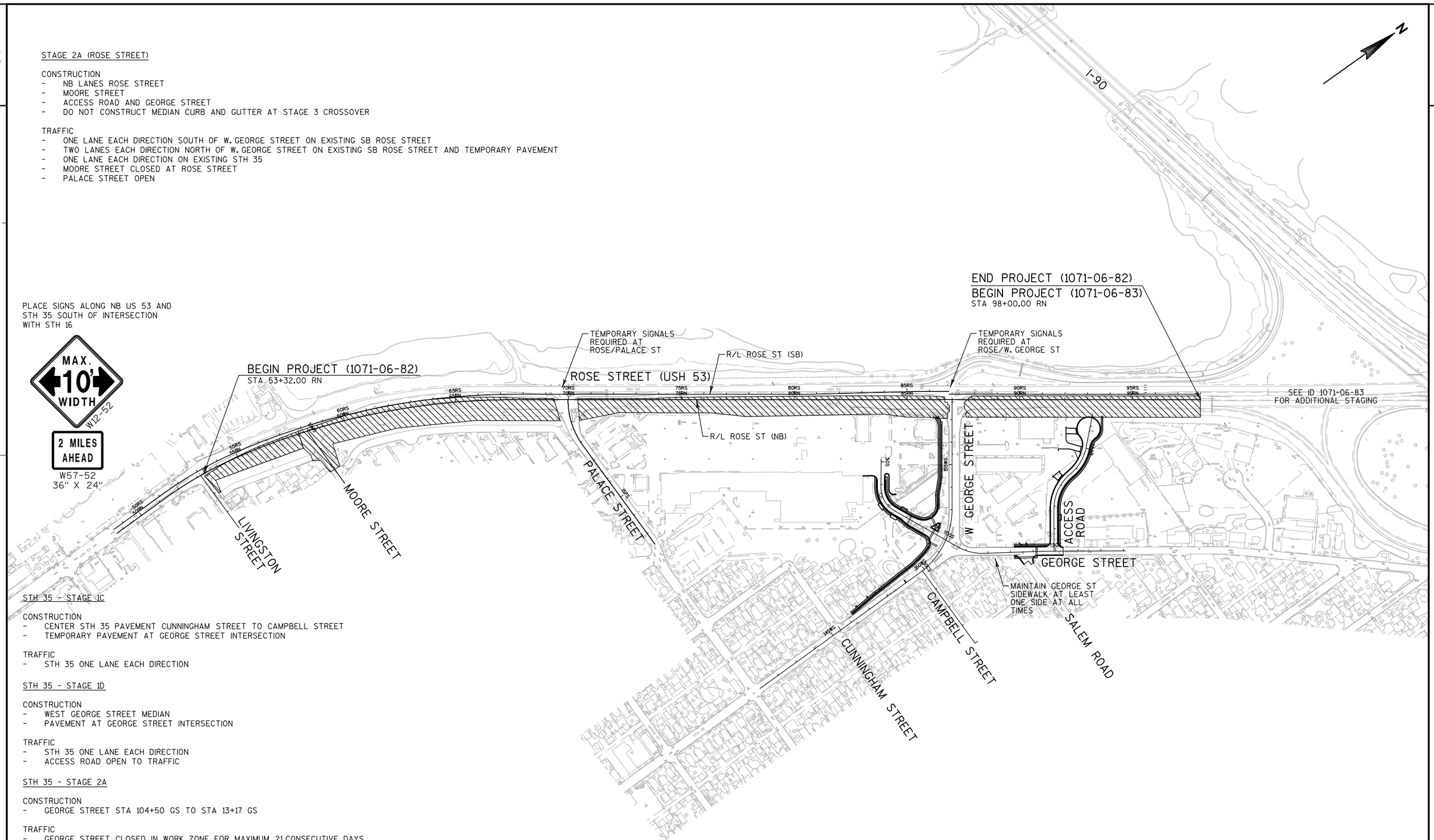
CONSTRUCTION
- NB LANES ROSE STREET
- MOORE STREET
- ACCESS ROAD AND GEORGE STREET
- DO NOT CONSTRUCT MEDIAN CURB AND GUTTER AT STAGE 3 CROSSOVER

TRAFFIC
- ONE LANE EACH DIRECTION SOUTH OF W. GEORGE STREET ON EXISTING SB ROSE STREET
- TWO LANES EACH DIRECTION NORTH OF W. GEORGE STREET ON EXISTING SB ROSE STREET AND TEMPORARY PAVEMENT
- ONE LANE EACH DIRECTION ON EXISTING STH 35
- MOORE STREET CLOSED AT ROSE STREET
- PALACE STREET OPEN

PLACE SIGNS ALONG NB US 53 AND STH 35 SOUTH OF INTERSECTION WITH STH 16

MAX. 10' WIDTH W12-52

2 MILES AHEAD W57-52 36" X 24"



STH 35 - STAGE 1C

CONSTRUCTION
- CENTER STH 35 PAVEMENT CUNNINGHAM STREET TO CAMPBELL STREET
- TEMPORARY PAVEMENT AT GEORGE STREET INTERSECTION

TRAFFIC
- STH 35 ONE LANE EACH DIRECTION

STH 35 - STAGE 1D

CONSTRUCTION
- WEST GEORGE STREET MEDIAN
- PAVEMENT AT GEORGE STREET INTERSECTION

TRAFFIC
- STH 35 ONE LANE EACH DIRECTION
- ACCESS ROAD OPEN TO TRAFFIC

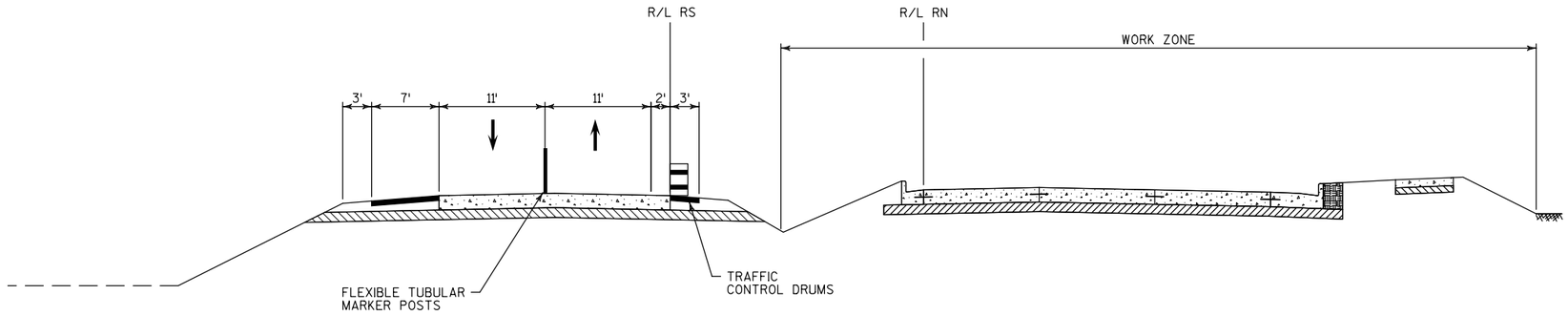
STH 35 - STAGE 2A

CONSTRUCTION
- GEORGE STREET STA 104+50 GS TO STA 13+17 GS

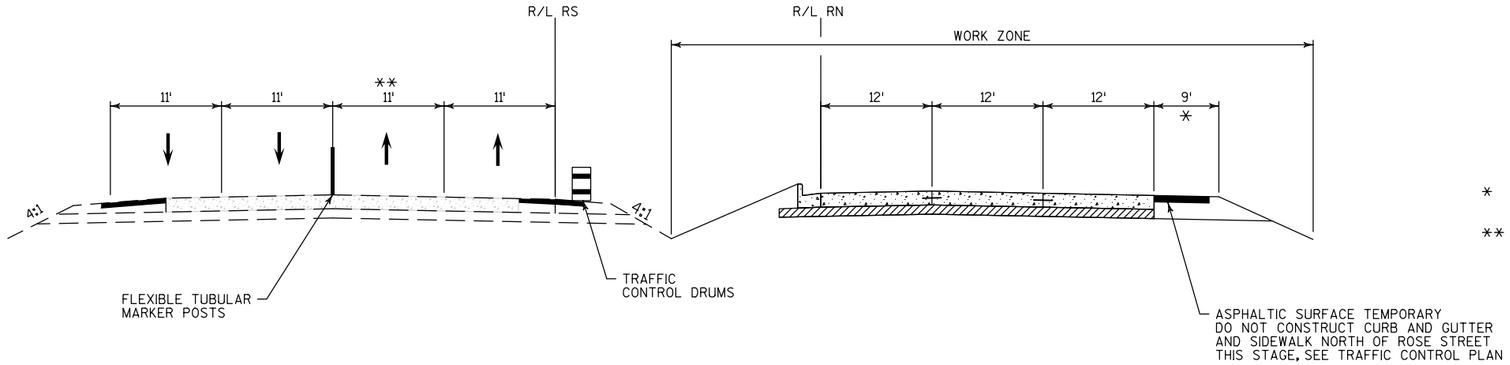
TRAFFIC
- GEORGE STREET CLOSED IN WORK ZONE FOR MAXIMUM 21 CONSECUTIVE DAYS
- OTHER TRAFFIC SAME AS STH 35 - STAGE 1D

STAGE 2A WORK ZONE

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 1C/2A	SHEET 296	E



TYPICAL SECTION
STAGE 2A
ROSE STREET - SOUTH OF W. GEORGE STREET



* SEE PLAN - TEMPORARY PAVEMENT FOR ADDITIONAL INFORMATION

** LANE CLOSED DURING STAGE 1C

TYPICAL SECTION
STAGE 2A
ROSE STREET - NORTH OF W. GEORGE STREET

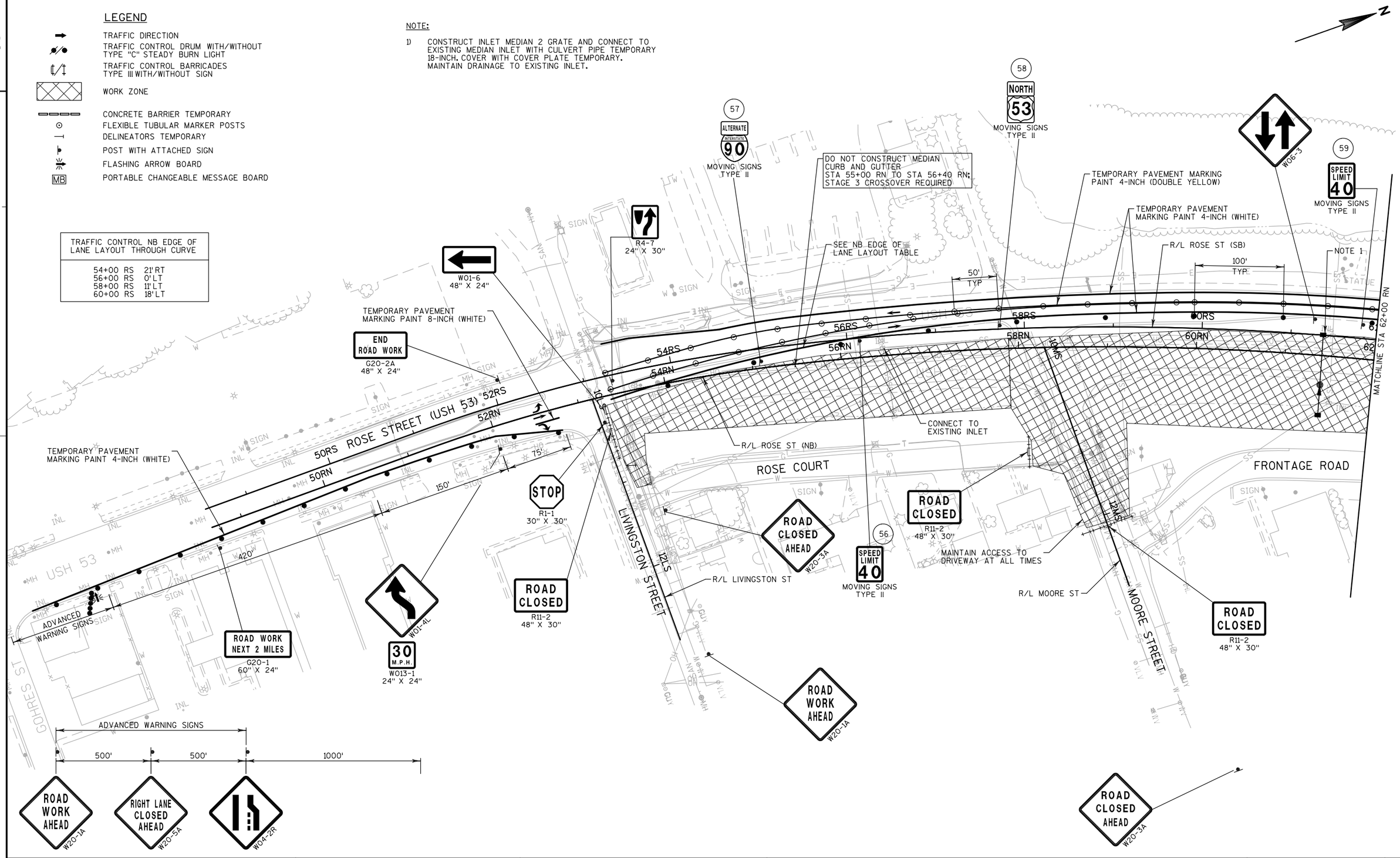
LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTE:

1) CONSTRUCT INLET MEDIAN 2 GRATE AND CONNECT TO EXISTING MEDIAN INLET WITH CULVERT PIPE TEMPORARY 18-INCH. COVER WITH COVER PLATE TEMPORARY. MAINTAIN DRAINAGE TO EXISTING INLET.

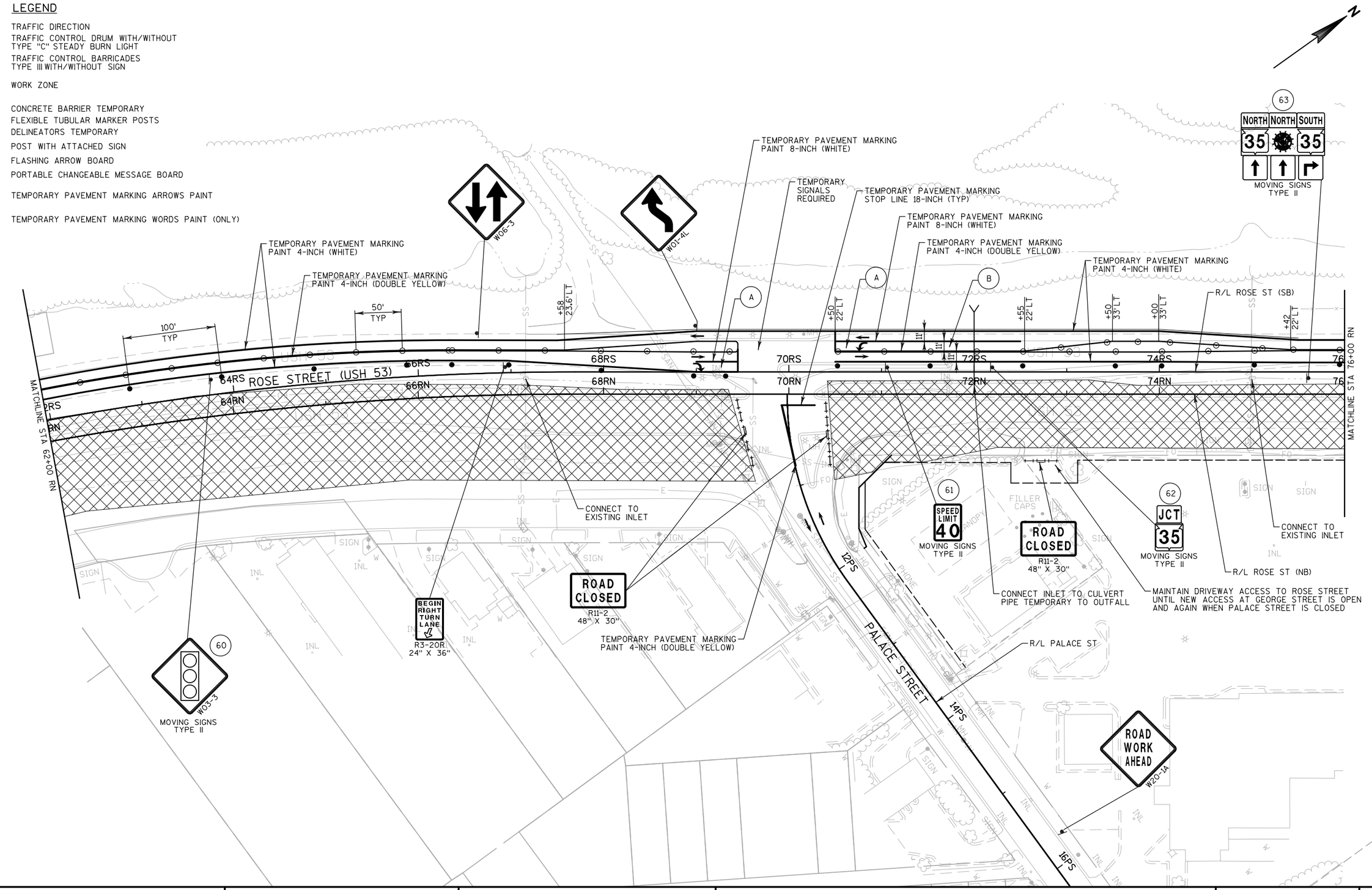
TRAFFIC CONTROL NB EDGE OF LANE LAYOUT THROUGH CURVE
54+00 RS 21'RT
56+00 RS 0'LT
58+00 RS 11'LT
60+00 RS 18'LT



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C/2A	SHEET 298	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- A — TEMPORARY PAVEMENT MARKING ARROWS PAINT
- B — TEMPORARY PAVEMENT MARKING WORDS PAINT (ONLY)



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TRAFFIC CONTROL - STAGE 1C/2A	SHEET 299	E

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- A — TEMPORARY PAVEMENT MARKING ARROWS PAINT
- B — TEMPORARY PAVEMENT MARKING WORDS PAINT (ONLY)

N

W01-4R

R/L ROSE ST (SB)

50' TYP

100' TYP

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

CONNECT INLET TO CULVERT PIPE TEMPORARY TO OUTFALL

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

+50 RS 30' LT

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE SKIPS)

+00 RS 12' LT

PLACE ASPHALTIC SURFACE TEMPORARY TO TRANSITION FROM EXISTING TO NEW PAVEMENT ELEVATION

+60 RN 18' LT

MAKE TEMPORARY CONNECTION BETWEEN MH AND EXISTING STORM SEWER NORTH TO EXISTING MH

TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH (TYP)

ONLY ONLY

R3-8E 36" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE SKIPS)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

MATCHLINE STA 76+00 RN

MATCHLINE STA 91+00 RN

78RS 80RS 82RS 84RS 86RS 88RS 90RS

78RN 80RN 82RN 84RN 86RN 88RN 90RN

TLE

ROSE STREET (USH 53)

R/L ROSE ST (NB)

50' TYP

100' TYP

+00 RN 12' RT

+60 RN 12' RT

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED R11-2 48" X 30"

DO NOT CONSTRUCT OUTSIDE CURB & GUTTER OR SIDEWALK THIS STAGE SEE PLAN - TEMPORARY PAVEMENT

R/L W. GEORGE ST (STH 35)

W06-3

64

MOVING SIGNS TYPE II

W01-4R

SOUTH 35

65

MOVING SIGNS TYPE II

W GEORGE STREET (STH 35)

STH 35

RIGHT LANE MUST TURN RIGHT

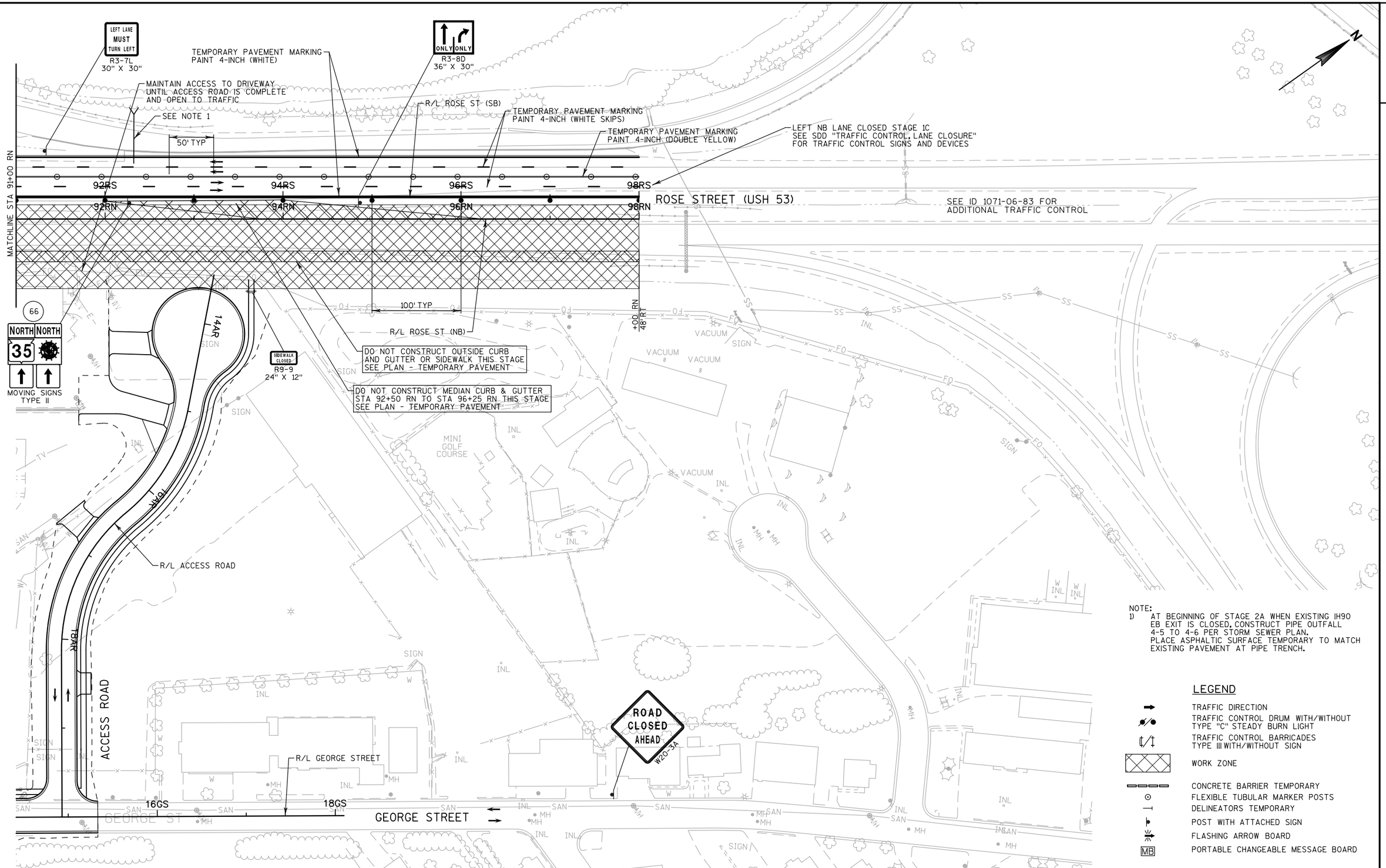
R3-7R 30" X 30"

SEE TRAFFIC CONTROL - STH 35 - STAGE 1B-2A

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C/2A	SHEET 300	E

FILE NAME : ch_0682_026012_s2.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

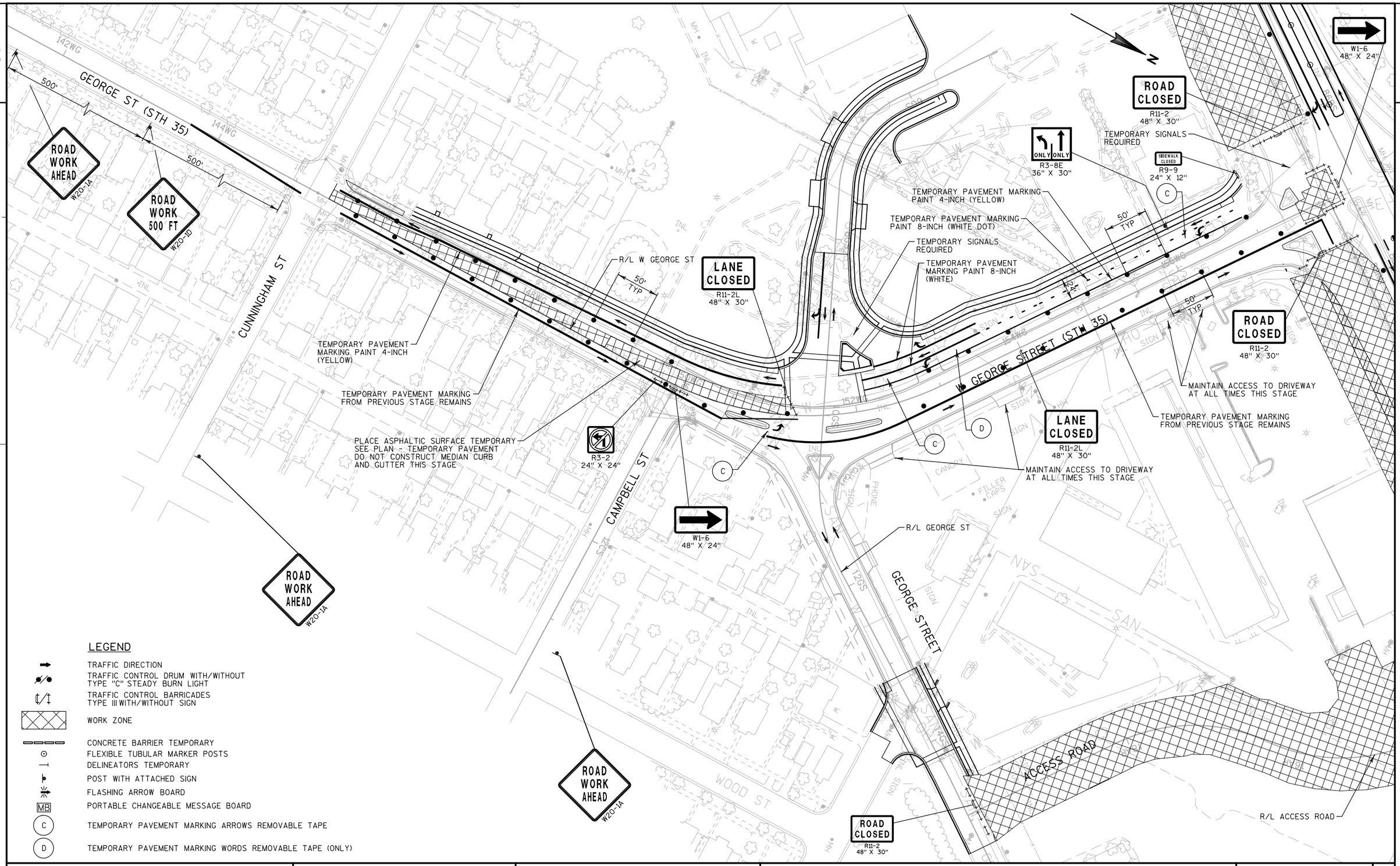


NOTE:
1) AT BEGINNING OF STAGE 2A WHEN EXISTING IH90 EB EXIT IS CLOSED, CONSTRUCT PIPE OUTFALL 4-5 TO 4-6 PER STORM SEWER PLAN. PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH EXISTING PAVEMENT AT PIPE TRENCH.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1C/2A	SHEET 301	E



LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- C — TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE
- D — TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE (ONLY)

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 1C	SHEET 302	E

FILE NAME : ch_0682_026014_s1C.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

2

GEORGE ST (STH 35)

142WG

144WG

500'

500'

ROAD WORK AHEAD
W20-1A

ROAD WORK 500 FT
W20-1D

ACCESS TO LOCAL BUSINESSES
250

ACCESS TO LOCAL BUSINESSES
251

ACCESS TO LOCAL BUSINESSES
252

CUNNINGHAM ST

148WG

150WG

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

R/L W GEORGE ST

50' TYP

W1-6
48" X 24"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

C

CAMPBELL ST

R3-2
24" X 24"

TEMPORARY SIGNALS REQUIRED

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

TEMPORARY SIGNALS REQUIRED

LANE CLOSED
R11-2L
48" X 30"

W GEORGE STREET (STH 35)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

W1-6
48" X 24"

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES THIS STAGE

W1-6
48" X 24"

R/L GEORGE ST

12GS

GEORGE STREET

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES

ACCESS ROAD

R/L ACCESS ROAD

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"

TO
35

ROAD WORK AHEAD
W20-1A

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"

TO
35

ROAD WORK AHEAD
W20-1A

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"

TO
35

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- C — TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 1D	SHEET 303	E

2

GEORGE ST (STH 35)

142WG

144WG

500'

500'

ROAD WORK AHEAD
W20-1A

ROAD WORK 500 FT
W20-1D

W1-6
48" X 24"

ACCESS TO LOCAL BUSINESSES
250

ACCESS TO LOCAL BUSINESSES
251

ACCESS TO LOCAL BUSINESSES
252

CUNNINGHAM ST

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

R/L W GEORGE ST

LANE CLOSED
R11-2L
48" X 30"

148WG

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

W1-6
48" X 24"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

CAMPBELL ST

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

TEMPORARY SIGNALS REQUIRED

W1-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W1-6
48" X 24"

W GEORGE STREET (STH 35)

154WG

50' TYP

TEMPORARY PAVEMENT MARKING FROM PREIOUS STAGE REMAINS

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES

W1-6
48" X 24"

R/L GEORGE ST

GEORGE STREET

SIDEWALK CLOSED
R9-9
24" X 12"

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES THIS STAGE

21 CONSECUTIVE DAY (MAX) CLOSURE OF GEORGE STREET FROM WEST GEORGE STREET TO SALEM ROAD FOR CONSTRUCTION. GEORGE STREET SHALL REMAIN OPEN TO TWO LANES OF TRAFFIC BEFORE AND AFTER THIS SHORT TERM CLOSURE

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

ACCESS ROAD

R/L ACCESS ROAD

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"
TO 35

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"
TO 35

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"
TO 35

M04-5
24" X 12"
M1-6
24" X 24"
M06-1
21" X 21"
TO 35

ROAD WORK AHEAD
W20-1A

ROAD WORK AHEAD
W20-1A

LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK AREA
- CONCRETE BARRIER TEMPORARY PRECAST
- FLEXIBLE TUBULAR MARKER
- DELINEATORS TEMPORARY
- SIGN ON PERMANENT SUPPORT
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 2A	SHEET 304	E

FILE NAME : ch_0682_026014_s2.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

2

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

SEE ID 1071-06-82 FOR ADDITIONAL STAGING.

IH 90 EB EXIT

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 EB RAMP TERMINALS

IH 90 WB ENTRANCE

RAMP CLOSED

ROSE STREET (USH 53)

GEORGE STREET

TEMPORARY CROSSOVER ON TEMPORARY PAVEMENT

R/L ROSE ST (SB)

BNSF RR

ASH STREET

OAK FOREST DRIVE

END PROJECT (7190-03-72)
STA 144+75.00 RN

TEMPORARY PAVEMENT WIDENING EXISTING SB ROSE STREET MEDIAN/OUTSIDE LANES

RIGHT LANE EXIT ONLY

IH 90 EB ENTRANCE

IH 90 WB EXIT

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 WB RAMP TERMINALS

R/L ROSE ST (NB)

END PROJECT (1071-06-83)
BEGIN PROJECT (7190-03-72)
STA 133+21.32 RN

I-90

IH 90 WB SHOULDER CLOSURE AS NEEDED

STAGE 2A

CONSTRUCTION
BEGIN CONSTRUCTION OF NEW ROSE STREET NB LANES GAPPING AT THE FX AND GY RAMPS. START CONSTRUCTION OF THE B-32- 67 STRUCTURE. BEGIN CONSTRUCTION OF THE F AND G RAMPS. CONSTRUCT THE TEMPORARY GZ RAMP. CONSTRUCT A PORTION OF THE H RAMP.

TRAFFIC
KEEP ROSE STREET TRAFFIC BIDIRECTIONAL ON EXISTING ROSE STREET SB LANES AND TEMPORARY WIDENING FROM THE BEGINNING OF THE PROJECT TO THE BNSF RAILROAD. ROSE STREET NB LANES CONTINUE TO USE THE RW CROSSOVER. KEEP THE GY, FY, AND EW RAMPS OPEN TO TRAFFIC. CLOSE HX RAMP.

STAGE 2A WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 2A	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026300_s2a.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400
WISDOT/CADDS SHEET 42

2

SEE "TRAFFIC CONTROL - STAGE 2A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 1C/2A PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGES 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

STA 104+32 RS
TEMPORARY PAVEMENT
MARKING ARROWS PAINT

STA 105+02 RS
TEMPORARY PAVEMENT
MARKING WORDS PAINT

STA 104+02 RS
TEMPORARY PAVEMENT
MARKING STOP LINE 18-INCH

NORTH M3-1 24" X 12"
SOUTH M3-3 24" X 12"
SOUTH M3-3 24" X 12"
35 M1-6 24" X 24"
53 M1-4 24" X 24"
35 M1-6 24" X 24"
M05-1L 21" X 21"
M05-1R 21" X 21"
M05-1R 21" X 21"

CLOSED

IH 90 EB TO ROSE ST

WRONG WAY
R5-1A
42" X 30"

NORTH M3-1 24" X 12"
SOUTH M3-3 24" X 12"
SOUTH M3-3 24" X 12"
35 M1-6 24" X 24"
53 M1-4 24" X 24"
35 M1-6 24" X 24"
M06-1 21" X 21"
M06-1 21" X 21"
M06-1 21" X 21"

STOP HERE ON RED
R10-6
24" X 36"

STOP HERE ON RED
R10-6
24" X 36"

STOP HERE ON RED
R10-6
24" X 36"

SOUTH
ALTERNATE
90
SOUTH 35
SOUTH 53

DO NOT ENTER
R5-1
36" X 36"

DO NOT ENTER
R5-1
36" X 36"

EAST NORTH
90 53
MOVING SIGNS
TYPE II
14

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE, SKIPS)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

5' SPACING (TYP)

25' SPACING (TYP)

30' (TYP)

50' (TYP)

100' (TYP)

ROSE ST

CLOSED

EAST NORTH
90 53
Madison
EXISTING SIGN

ROSE ST TO IH 90 WB

ROAD CLOSED
R11-2
48" X 30"

PEDESTRIANS
BICYCLES
NON MOTORIZED TRAFFIC
MOTOR BICYCLES
PROHIBITED

W04-2L

IH 90 WB

IH 90 EB

CLOSED

RAMP
40
M.P.H.
W13-3
24" X 30"

25' SPACING (TYP)

106FY

FLASHING ARROW BOARD

ROSE ST TO IH 90 EB

DESIGN NOTE:
FY RAMP MERGE TAPER OF 250' (SAME AS EXISTING TODAY, DOES NOT MEET 360' PER FDM 11-25 ATTACHMENT 3.3. VERIFY WITH DOT.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026301_s2a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

SEE "ROSE STREET TO IH 90 WB RAMP DETOUR (STAGE 2A)" FOR ADDITIONAL INFORMATION.

ROSE ST TO IH 90 WB

CLOSED

CLOSED

RAMP CLOSED
R11-2R
48" X 30"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1A

MOORINGS DR

EAST
M3-2
24" X 12"

NORTH
M3-1
24" X 12"

M1-1
24" X 24"

M1-4
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

GEORGE ST

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE, SKIPS)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

25' SPACING (TYP)

STOP HERE ON RED
R10-6
24" X 36"

R3-2
24" X 24"

R=60'

R3-1
24" X 24"

R10-6
24" X 36"

USE LEFT LANE
M4-20L
24" X 24"

USE LEFT LANE
M4-20L
24" X 24"

25' SPACING (TYP)

ONE WAY

STOP

R3-2
24" X 24"

CLOSED

CLOSED

ROSE ST

100' (TYP)

R=85'

R=40'

ONLY
R3-50A
30" X 36"

DO NOT ENTER
R5-1
36" X 36"

STOP HERE ON RED
R10-6
24" X 36"

ROAD CLOSED
R11-2
48" X 30"

WRONG WAY
R5-1A
42" X 30"

SOUTH
M3-3
24" X 12"

SOUTH
M3-3
24" X 12"

NORTH
M3-1
24" X 12"

M1-4
24" X 24"

M1-6
24" X 24"

M1-6
24" X 24"

M06-1
21" X 21"

M06-1
21" X 21"

M06-1
21" X 21"

STA 203+08 GY
STA 205+56 GY
TEMPORARY PAVEMENT MARKING ARROWS PAINT

STA 204+26 GY
TEMPORARY PAVEMENT MARKING WORDS PAINT

STA 122+27 RS
TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

IH 90 WB

IH 90 EB

STA 122+84 RS - STA 124+06 RS
TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE)
(3' LINE, 9' GAP)

STA 122+27 RS - STA 123+35 RS
TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (YELLOW)
(3' LINE, 9' GAP)

IH 90 WB TO ROSE ST

SOUTH
M3-3
24" X 12"

SOUTH
M3-3
24" X 12"

NORTH
M3-1
24" X 12"

M1-4
24" X 24"

M1-6
24" X 24"

M1-6
24" X 24"

M05-1L
21" X 21"

M05-1R
21" X 21"

M05-1R
21" X 21"

25' SPACING (TYP)

ONLY
R3-8AA
30" X 42"

SEE "ROSE STREET TO IH 90 WB RAMP DETOUR (STAGE 2A)" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 2A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A	SHEET 307 E

2

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

SPEED LIMIT 40
R2-1
24" X 30"

25' SPACING (TYP)

W06-3

DO NOT PASS
R4-1
24" X 30"

ROSE ST

50' (TYP)

W01-4R

W06-1

15' SPACING (TYP)

25' SPACING (TYP)

R4-7
24" X 30"

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

PLACE PRIOR TO STH 157 (MAIN ST)

NEXT 2 MILES
W057-51
30" X 15"

W06-3

15' SPACING (TYP)

LANE CLOSED
R11-2L
48" X 30"

ROSE ST SB

50' (TYP)

FLASHING ARROW BOARD

ROSE ST NB

W1-6
48" X 24"

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

W04-2L

ROAD WORK AHEAD
W20-1A

ASH ST

MAX. 10' WIDTH
W12-52

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-55A

ROAD WORK AHEAD
W20-1A

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION.

END ROAD WORK
G20-2A
48" X 24"

OAK FOREST DR

FILLER CAPS

CANOPY

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A	SHEET 308 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026303_s2a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

CLOSED ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

SOUTH
53 35
NARROW LANES
10' MAX WIDTH
G20-59
120" X 84"

WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

EXIT
E5-1
60" X 48"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

W1-6
48" X 24"

RAMP CLOSED
R11-2R
48" X 30"

IH 90 EB TO ROSE ST

SEE "TRAFFIC CONTROL - STAGE 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 2A" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A - IH 90	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026304_s2a.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

SEE "TRAFFIC CONTROL - STAGE 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 2A" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

IH 90 WB TO ROSE ST

25' SPACING (TYP)

RAMP CLOSED
R11-2R
48" X 30"

W1-8
18" X 24"

W1-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W1-8
18" X 24"

EXIT
E5-1
60" X 48"

25' SPACING (TYP)

WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

SOUTH 53 35
NARROW LANES 10' MAX WIDTH
G20-59
120" X 84"

EXIT 30 MPH
W13-2
24" X 30"

IH 90 WB

IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

ROSE ST TO IH 90 EB

200WB 202WB 204WB 206WB 208WB 210WB 212WB 214WB

200EB 202EB 204EB 206EB 208EB 210EB 212EB 214EB

BURLINGTON NORTHERN SANTA FE

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A - IH 90	SHEET 310 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026305_s2a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

STAGE 2B

CONSTRUCTION
- CONTINUE NB LANES ROSE STREET

TRAFFIC
- ONE LANE EACH DIRECTION SOUTH OF W GEORGE STREET ON EXISTING SB ROSE STREET
- TWO LANES EACH DIRECTION NORTH OF W GEORGE STREET ON EXISTING SB ROSE STREET AND TEMPORARY PAVEMENT
- MOORE STREET, GEORGE STREET, AND ACCESS ROAD OPEN
- PALACE STREET REMAINS OPEN UNTIL STH 35 IS COMPLETE

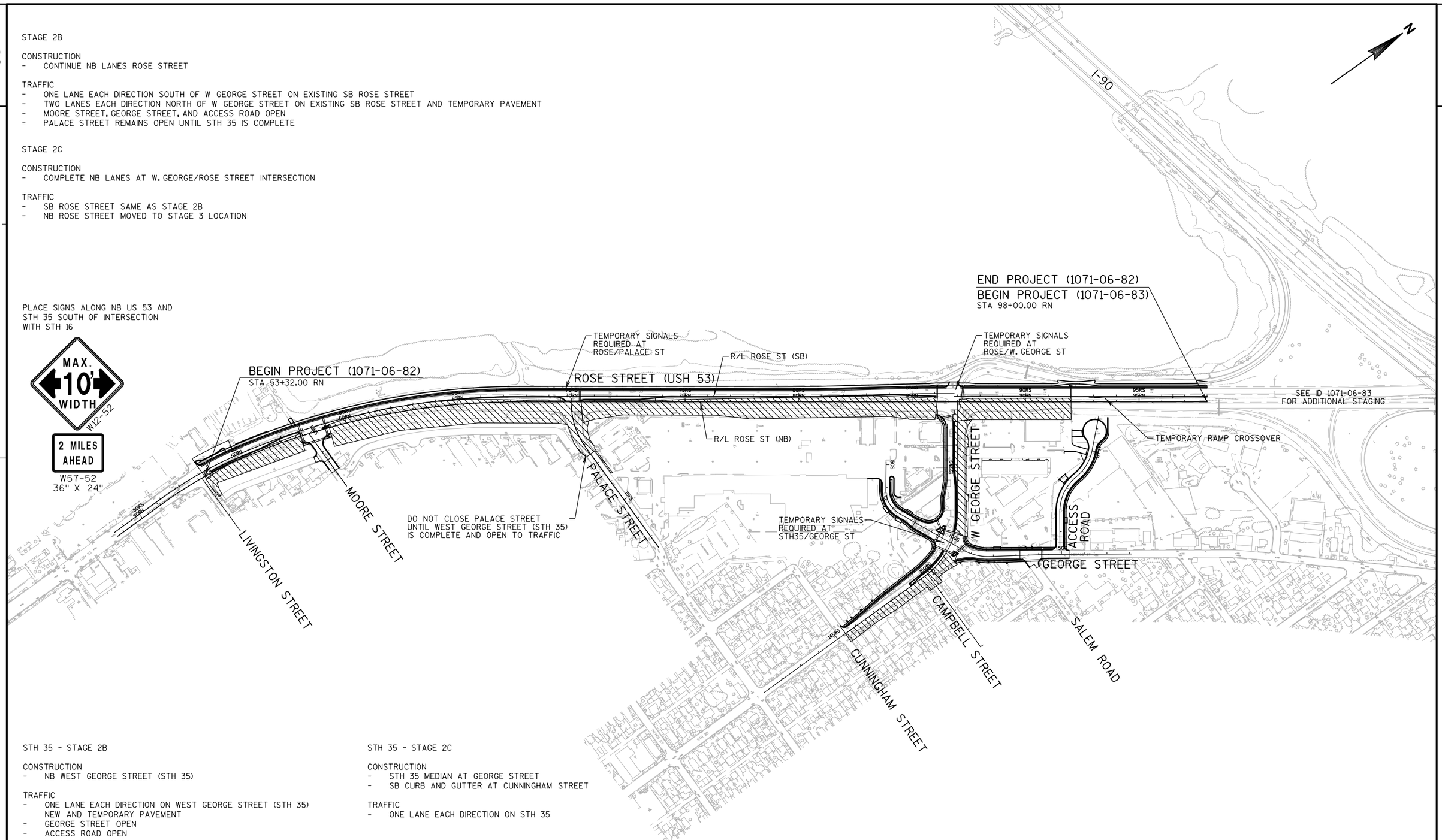
STAGE 2C

CONSTRUCTION
- COMPLETE NB LANES AT W. GEORGE/ROSE STREET INTERSECTION

TRAFFIC
- SB ROSE STREET SAME AS STAGE 2B
- NB ROSE STREET MOVED TO STAGE 3 LOCATION

PLACE SIGNS ALONG NB US 53 AND
STH 35 SOUTH OF INTERSECTION
WITH STH 16

W57-52
36" X 24"



STH 35 - STAGE 2B

CONSTRUCTION
- NB WEST GEORGE STREET (STH 35)

TRAFFIC
- ONE LANE EACH DIRECTION ON WEST GEORGE STREET (STH 35) NEW AND TEMPORARY PAVEMENT
- GEORGE STREET OPEN
- ACCESS ROAD OPEN

STH 35 - STAGE 2C

CONSTRUCTION
- STH 35 MEDIAN AT GEORGE STREET
- SB CURB AND GUTTER AT CUNNINGHAM STREET

TRAFFIC
- ONE LANE EACH DIRECTION ON STH 35

STAGE 2B WORK ZONE

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 2B	SHEET 311	E

FILE NAME : ch_0682_026201_s2B.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jjurss PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

N

W01-6 48" X 24"

END ROAD WORK G20-2A 48" X 24"

R4-7 24" X 30"

DO NOT CONSTRUCT MEDIAN CURB AND GUTTER STA 55+00 RN TO STA 56+50 RN; STAGE 3 CROSSOVER REQUIRED

STOP R1-1 30" X 30"

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

R/L ROSE ST (SB)

100' TYP

50' TYP

54RS 54RN 56RS 56RN 58RS 58RN 60RS 60RN 62

10MS

MATCHLINE STA 62+00 RN

50RS ROSE STREET (USH 53) 52RS 52RN

50RN

75'

150'

320'

STOP R1-1 30" X 30"

ROAD CLOSED R11-2 48" X 30"

W01-4L

30 M.P.H. W013-1 24" X 24"

ADVANCED WARNING

ROAD WORK NEXT 2 MILES G20-1 60" X 24"

R/L ROSE ST (NB)

ROSE COURT

SIDEWALK CLOSED R9-9 24" X 12"

LIVINGSTON STREET

12LS

R/L LIVINGSTON ST

ROAD CLOSED R11-2 48" X 30"

12MS

R/L MOORE ST

MOORE STREET

FRONTAGE ROAD

W06-3

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

ROAD WORK AHEAD W20-1A

ADVANCED WARNING

500' 500' 1000'

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W04-2R

ROAD WORK AHEAD W20-1A

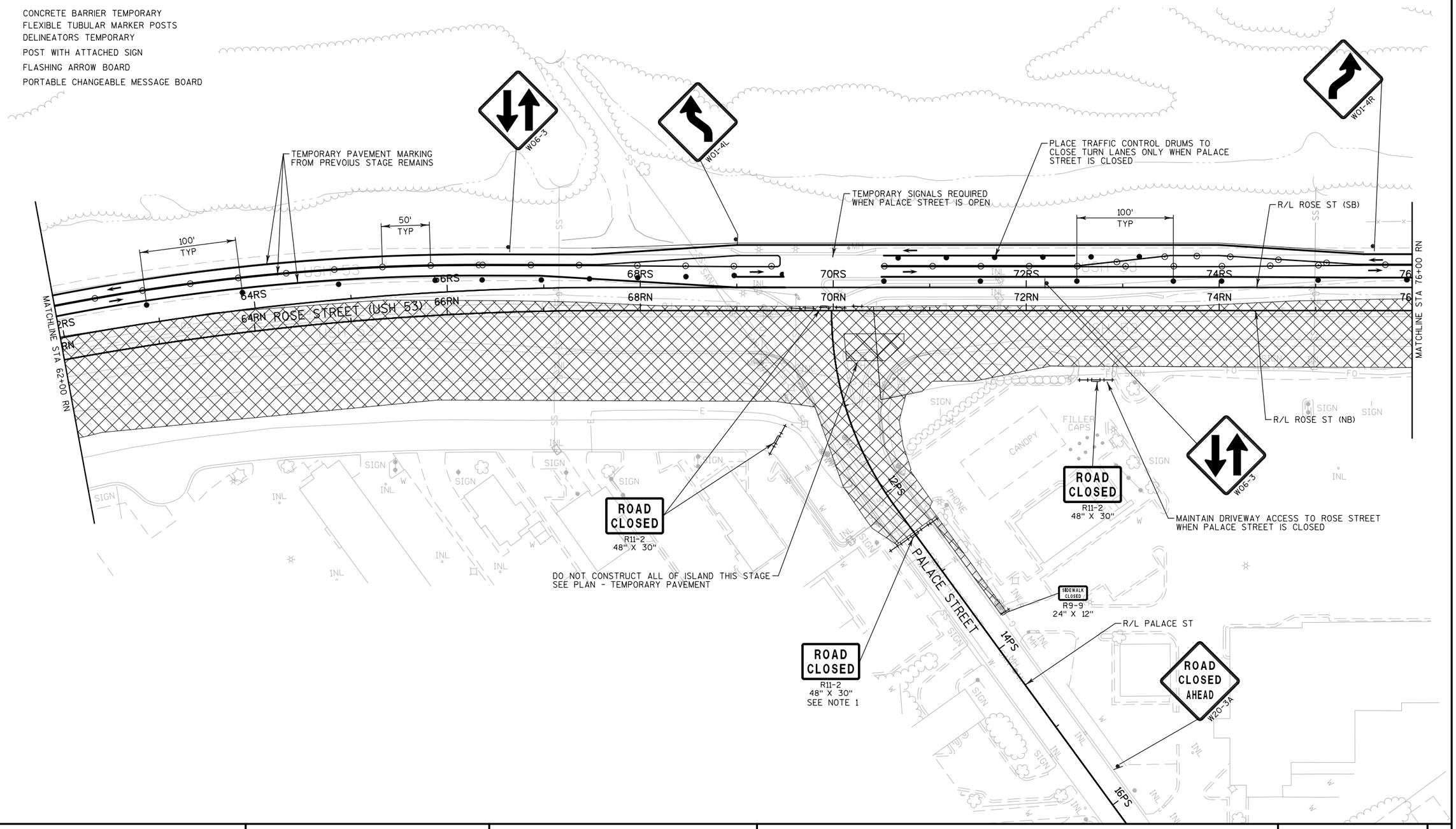
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET 312	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
1) PALACE STREET TO REMAIN OPEN TO TRAFFIC UNTIL WEST GEORGE STREET (STH 35) IS COMPLETE AND OPEN TO TRAFFIC

2) REMOVE TURN LANES ON ROSE STREET WITH DRUMS WHEN PALACE STREET IS CLOSED



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET 313	E

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

N

W01-4R

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

R/L ROSE ST (SB)

TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH (TYP)

PLACE ASPHALTIC SURFACE TEMPORARY TO TRANSITION FROM EXISTING TO NEW PAVEMENT ELEVATION

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

ONLY ONLY
R3-8E
36" X 30"

50' TYP

100' TYP

50' 1270

MATCHLINE STA 76+00 RN

76RS 78RS 80RS 82RS 84RS 86RS 88RS 90RS

76RN 78RN 80RN 82RN ROSE STREET (USH 53) 84RN 86RN 88RN 90RN

MATCHLINE STA 91+00 RN

TLE

R/L ROSE ST (NB)

SIGN

INL

W06-3

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

MATCH STAGE 1C/2A

SEE TRAFFIC CONTROL - STH 35

W GEORGE STREET (STH 35)

R/L W GEORGE ST (STH 35)

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

100' TYP2540

DO NOT CONSTRUCT ISLAND 36'RT TO 45'RT (RN) TO PROVIDE LANE WIDTH FOR ROSE STREET STAGE 3 PLACE ASPHALTIC SURFACE TEMPORARY TO MATCH NEW PAVEMENT

ROAD CLOSED
R11-2
48" X 30"

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET 314	E

FILE NAME : ch_0682_026017_s2B.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE SKIPS)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE SKIPS)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (DOUBLE YELLOW)

R/L ROSE ST (SB)

50'
TYP

25'
TYP

50'
TYP

MATCHLINE STA 91+00 RN

92RS 94RS 96RS 98RS

92RN 94RN 96RN 98RN

ROSE STREET (USH 53)

TEMPORARY PAVEMENT MARKING
PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING
PAINT 4-INCH (WHITE)

R/L ROSE ST (NB)

SEE ID 1071-06-83 FOR
ADDITIONAL TRAFFIC CONTROL

ONLY ONLY
R3-8D
36" X 30"

14AR

SIDEWALK CLOSED
R9-9
24" X 12"

R/L ACCESS ROAD

ACCESS ROAD

18AR

18AR

ROAD WORK AHEAD
W20-1A

R/L GEORGE STREET

16GS

18GS

GEORGE ST

GEORGE STREET

MINI GOLF COURSE

VACUUM

SIGN

INL

SAN

FO

W

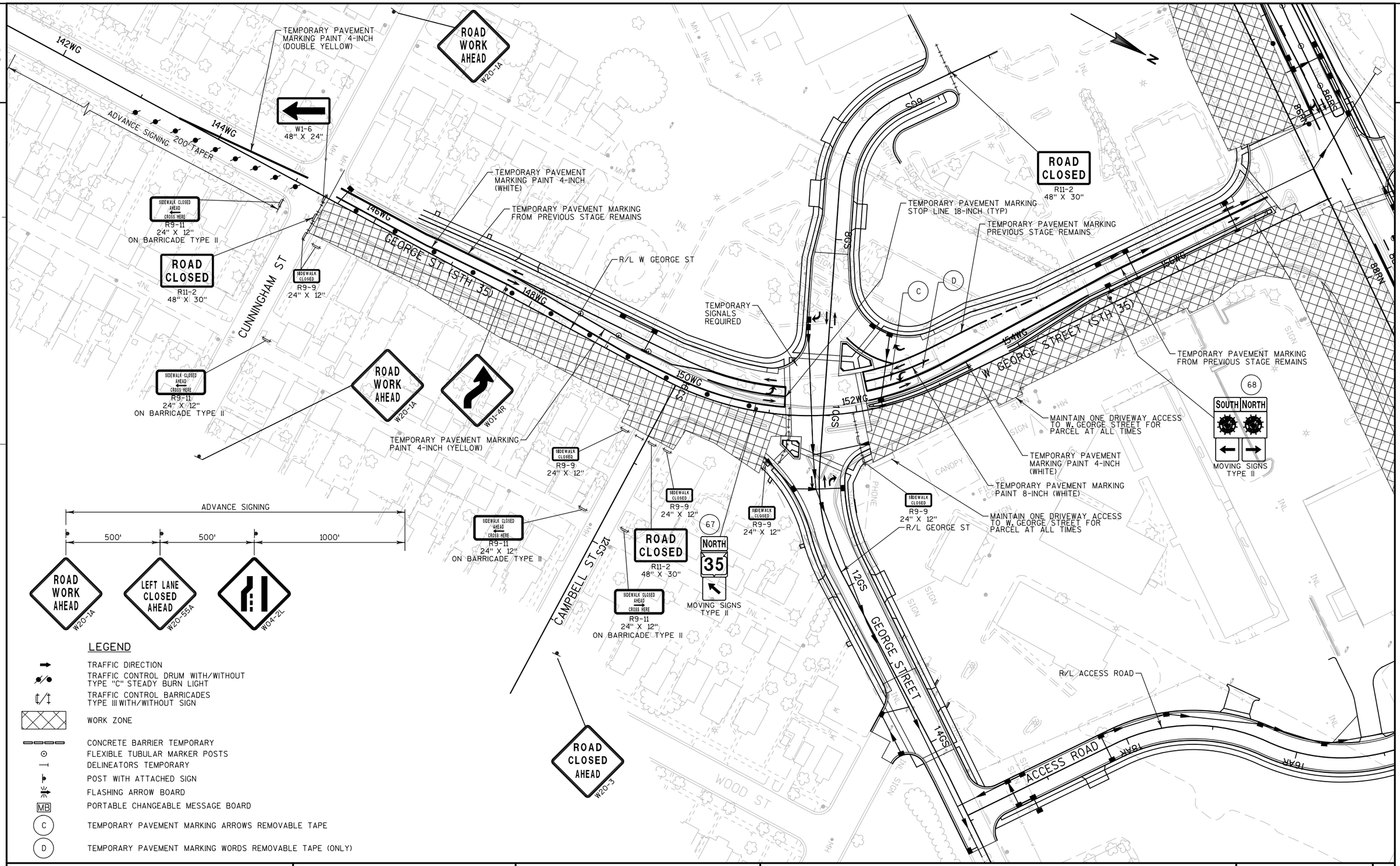
SS

MH

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET 315	E



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 2B	SHEET 316	E

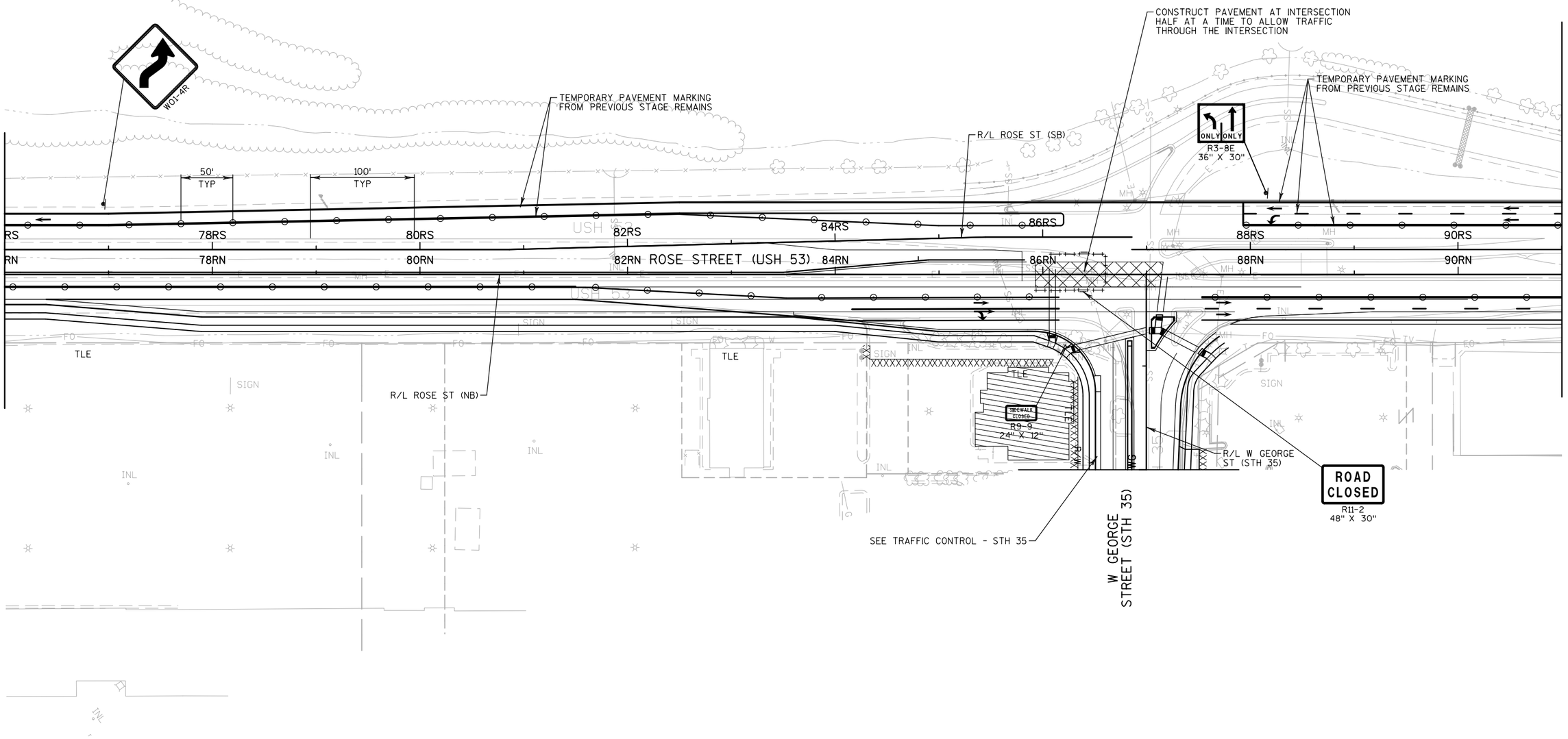
FILE NAME : ch_0682_026019_s2B.dgn PLOT DATE : 29-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TRAFFIC CONTROL - STAGE 2C	SHEET 317	E

FILE NAME : ch_0682_026017_s2C.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jjurss PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24" X 12"
ON BARRICADE TYPE III

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY EXPRESSWAY" FOR TRAFFIC CONTROL SIGNS AND DEVICES

COMPLETE CURB AND GUTTER AND SIDEWALK

W01-4R

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

W01-4L

R/L W GEORGE ST

SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24" X 12"
ON BARRICADE TYPE II

SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24" X 12"
ON BARRICADE TYPE II

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

W1-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE REMAINS

50' TYP

SIDEWALK CLOSED
R9-9
24" X 12"

PLACE PERMANENT PAVEMENT MARKING ON NB STH 35 GEORGE STREET TO ROSE STREET

W1-6
48" X 24"

R/L GEORGE ST

R/L ACCESS ROAD

GEORGE ST (STH 35)

CUNNINGHAM ST

CAMPBELL ST

WOOD ST

W GEORGE STREET (STH 35)

GEORGE STREET

ACCESS ROAD

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STH 35 - STAGE 2C	SHEET 318	E

2

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

SEE ID 1071-06-82 FOR ADDITIONAL STAGING.

IH 90 EB EXIT

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 EB RAMP TERMINALS

IH 90 WB ENTRANCE

ROSE STREET (USH 53)

TEMPORARY SIGNALS REQUIRED AT ROSE STREET/IH 90 WB RAMP TERMINALS

GEORGE STREET

TEMPORARY CROSSOVER ON TEMPORARY PAVEMENT

R/L ROSE ST (SB)

BNSF RR

ASH STREET

OAK FOREST DRIVE

END PROJECT (7190-03-72)
STA 144+75.00 RN

RAMP CONNECTION CLOSED

IH 90 EB ENTRANCE

IH 90 WB EXIT

R/L ROSE ST (NB)

END PROJECT (1071-06-83)
BEGIN PROJECT (7190-03-72)
STA 133+21.32 RN

I-90

IH 90 WB SHOULDER CLOSURE AS NEEDED

STAGE 2B

CONSTRUCTION
COMPLETE THE ROSE STREET NB LANES AND THE F, G, AND FA RAMPS. COMPLETE CONSTRUCTION OF THE B-32-67 STRUCTURE. CONSTRUCT THE TEMPORARY RY CROSSOVER.

TRAFFIC
KEEP ROSE STREET TRAFFIC BIDIRECTIONAL ON EXISTING ROSE STREET SB LANES AND TEMPORARY WIDENING FROM THE BEGINNING OF THE PROJECT TO THE BNSF RAILROAD. ROSE STREET NB LANES CONTINUE TO USE THE RW CROSSOVER. KEEP THE EW, AND HX RAMPS OPEN TO TRAFFIC. SWITCH TRAFFIC ONTO THE TEMPORARY GZ AND FX RAMPS. DETOUR THE ROSE STREET SB TO IH 90 EB TRAFFIC MOVEMENT THRU THE CTH B INTERCHANGE.

STAGE 2B WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 2B	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026400_s2b.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400

SEE "TRAFFIC CONTROL - STAGE 2A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "ROSE STREET SB TO IH 90 EB RAMP DETOUR (STAGE 2B)" FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 2B PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

NORTH M3-1 24" X 12" | SOUTH M3-3 24" X 12" | SOUTH M3-3 24" X 12"
35 M1-6 24" X 24" | 53 M1-4 24" X 24" | 35 M1-6 24" X 24"
MO5-1L 21" X 21" | MO5-1R 21" X 21" | MO5-1R 21" X 21"

CLOSED

IH 90 EB TO ROSE ST

NORTH M3-1 24" X 12" | SOUTH M3-3 24" X 12" | SOUTH M3-3 24" X 12"
35 M1-6 24" X 24" | 53 M1-4 24" X 24" | 35 M1-6 24" X 24"
MO6-1 21" X 21" | MO6-1 21" X 21" | MO6-1 21" X 21"

WRONG WAY R5-1A 42" X 30"

STOP HERE ON RED R10-6 24" X 36" | STOP HERE ON RED R10-6 24" X 36"

DO NOT ENTER R5-1 36" X 36"

EAST NORTH 90 53

COVERING SIGNS TYPE II

STOP HERE ON RED R10-6 24" X 36"

R3-1 24" X 24"

R3-2 24" X 24"

LANE CLOSED R11-2L 48" X 30"

SOUTH

ALTERNATE CALIFORNIA 90

SOUTH SOUTH 35 53

LANE CLOSED R11-2L 48" X 30"

DO NOT ENTER R5-1 36" X 36"

25' SPACING (TYP)

30' (TYP)

ROSE ST

25' SPACING (TYP)

ROSE ST TO IH 90 WB

COVERING SIGNS TYPE I

50' (TYP)

SEE "TRAFFIC CONTROL - STAGES 1C/2A/2B (SHOULDER CLOSURE) - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

RAMP CLOSED R11-2R 48" X 30"

25' SPACING (TYP)

W1-6 48" X 24"

ROAD CLOSED R11-2 48" X 30"

R3-1 24" X 24"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

CLOSED

STA 105+75 FY - STA 108+25 FY
REMOVING PAVEMENT MARKING
(EDGELINES LT/RT)

IH 90 WB

IH 90 EB

ROSE ST TO IH 90 EB

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026401_s2b.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

ROSE ST TO IH 90 WB

25' SPACING (TYP)

CLOSED

STA 119+66 RS
STA 121+96 RS
STA 202+71 GZ (3)
STA 205+07 GZ (3)
TEMPORARY PAVEMENT MARKING ARROWS PAINT

STA 120+86 RS
STA 203+97 GZ (2)
TEMPORARY PAVEMENT MARKING WORDS PAINT

STA 202+21 GZ
TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

25' SPACING (TYP)

STA 122+84 RS - STA 124+06 RS
REMOVING PAVEMENT MARKING (LANE LINE DOTTED)

STA 240+75 GY - STA 208+18 GY
REMOVING PAVEMENT MARKING (EDGELINE)

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW) (3' LINE, 9' GAP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (3' LINE, 9' GAP)

125' R

ITR

40' R

100' (TYP)

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1A

RAMP CLOSED R11-2R 48" X 30"

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M06-1 21" X 21"

DO NOT ENTER R5-1 36" X 36"

STOP HERE ON RED R10-6 24" X 36"

MOORINGS DR

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M05-1R 21" X 21"

ONE WAY STOP

GEORGE ST

R3-2 24" X 24"

ROSE ST

STOP HERE ON RED R10-6 24" X 36"

ONLY ONLY R3-8E 36" X 30"

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M05-1L 21" X 21"

ROAD CLOSED R11-2 48" X 30"

WRONG WAY R5-1A 42" X 30"

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

STOP HERE ON RED R10-6 24" X 36"

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" M06-1 21" X 21"
SOUTH M3-3 24" X 12" 35 M1-6 24" X 24" M06-1 21" X 21"
NORTH M3-1 24" X 12" 35 M1-6 24" X 24" M06-1 21" X 21"

SEE "TRAFFIC CONTROL - STAGE 2A" FOR ADDITIONAL TRAFFIC CONTROL DEVICES NORTH OF GEORGE ST.

RAMP CLOSED R11-2R 48" X 30"

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" M05-1L 21" X 21"
SOUTH M3-3 24" X 12" 35 M1-6 24" X 24" M05-1L 21" X 21"
NORTH M3-1 24" X 12" 35 M1-6 24" X 24" M05-1R 21" X 21"

W1-6 48" X 24"

25' SPACING (TYP)

ONLY ONLY R3-8Z 30" X 54"

SEE "TRAFFIC CONTROL - STAGE 2A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

IH 90 WB

IH 90 EB

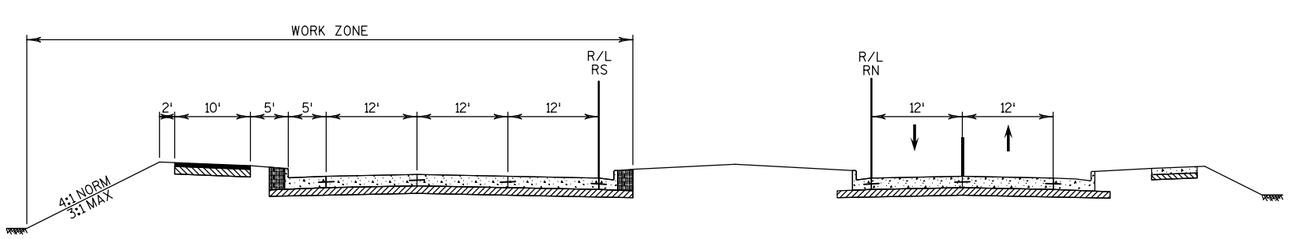
20620 IH 90 WB TO ROSE ST

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

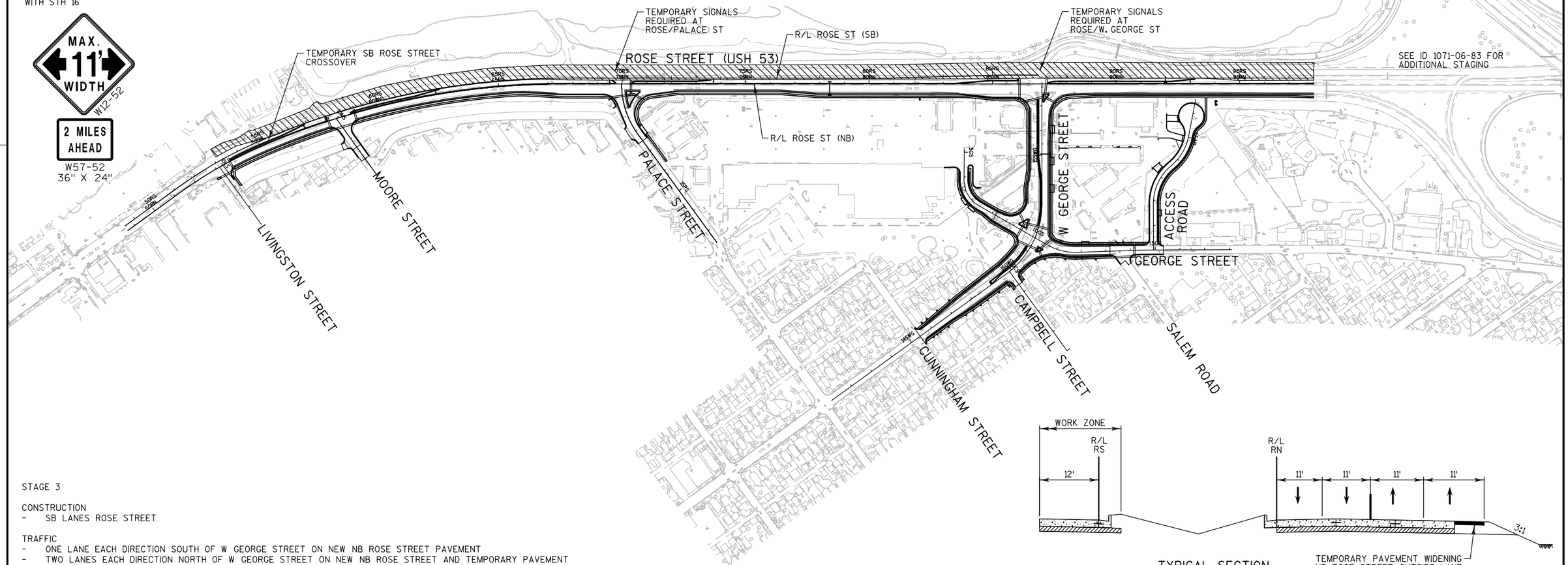
PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026402_s2b.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100



TYPICAL SECTION
STAGE 3
ROSE STREET - SOUTH OF W. GEORGE STREET

PLACE SIGNS ALONG NB US 53 AND STH 35 SOUTH OF INTERSECTION WITH STH 16



STAGE 3

CONSTRUCTION
- SB LANES ROSE STREET

TRAFFIC
- ONE LANE EACH DIRECTION SOUTH OF W GEORGE STREET ON NEW NB ROSE STREET PAVEMENT
- TWO LANES EACH DIRECTION NORTH OF W GEORGE STREET ON NEW NB ROSE STREET AND TEMPORARY PAVEMENT
- ALL OTHER ROADWAYS OPEN

STAGE 3 WORK ZONE

TYPICAL SECTION
STAGE 3
ROSE STREET - NORTH OF W. GEORGE STREET

TEMPORARY PAVEMENT WIDENING
NB ROSE STREET OUTSIDE LANE
PLACE STAGE 2

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 3	SHEET 322	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- (A) — TEMPORARY PAVEMENT MARKING ARROWS PAINT

TRAFFIC CONTROL SB EDGE OF LANE LAYOUT THROUGH CURVE
53+00 RS 14'LT
54+00 RS 13'LT
55+00 RS 1'RT
56+40 RS 22'RT

N

AT THE START OF STAGE 3, MOVE NB TRAFFIC TO NEW NB PAVEMENT AND CONSTRUCT TEMPORARY PAVEMENT FOR CROSSOVER PRIOR TO SWITCHING SB TRAFFIC FOR STAGE 3 (SEE PLAN - TEMPORARY PAVEMENT)

SEE SB EDGE OF LANE LAYOUT TABLE

ROAD CLOSED
R11-2
48" X 30"

W01-4L

W01-4R

ROAD CLOSED
R11-2
48" X 30"

69
SPEED LIMIT 40
MOVING SIGNS TYPE II

W06-3

W01-6
48" X 24"

END ROAD WORK
G20-2A
48" X 24"

R/L ROSE ST (SB)

REMOVE INLET PLACED IN STAGE 1C/2A

MATCHLINE STA 62+00 RN

50RS ROSE STREET (USH 53)

52RN

50RN

54RS

56RN

58RN

60RN

62

50' TYP

50' TYP

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

ROSE COURT

FRONTAGE ROAD

STOP
R1-1
30" X 30"

STOP
R1-1
30" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

150'

75'

R/L ROSE ST (NB)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

420'

ADVANCED WARNING

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

R/L LIVINGSTON ST

LIVINGSTON STREET

R/L MOORE ST

MOORE STREET

CHARLES ST

ROAD WORK AHEAD
W20-1A

ADVANCED WARNING

500' 500' 1000'

ROAD WORK AHEAD
W20-1A

LEFT LANE CLOSED AHEAD
W20-5SA

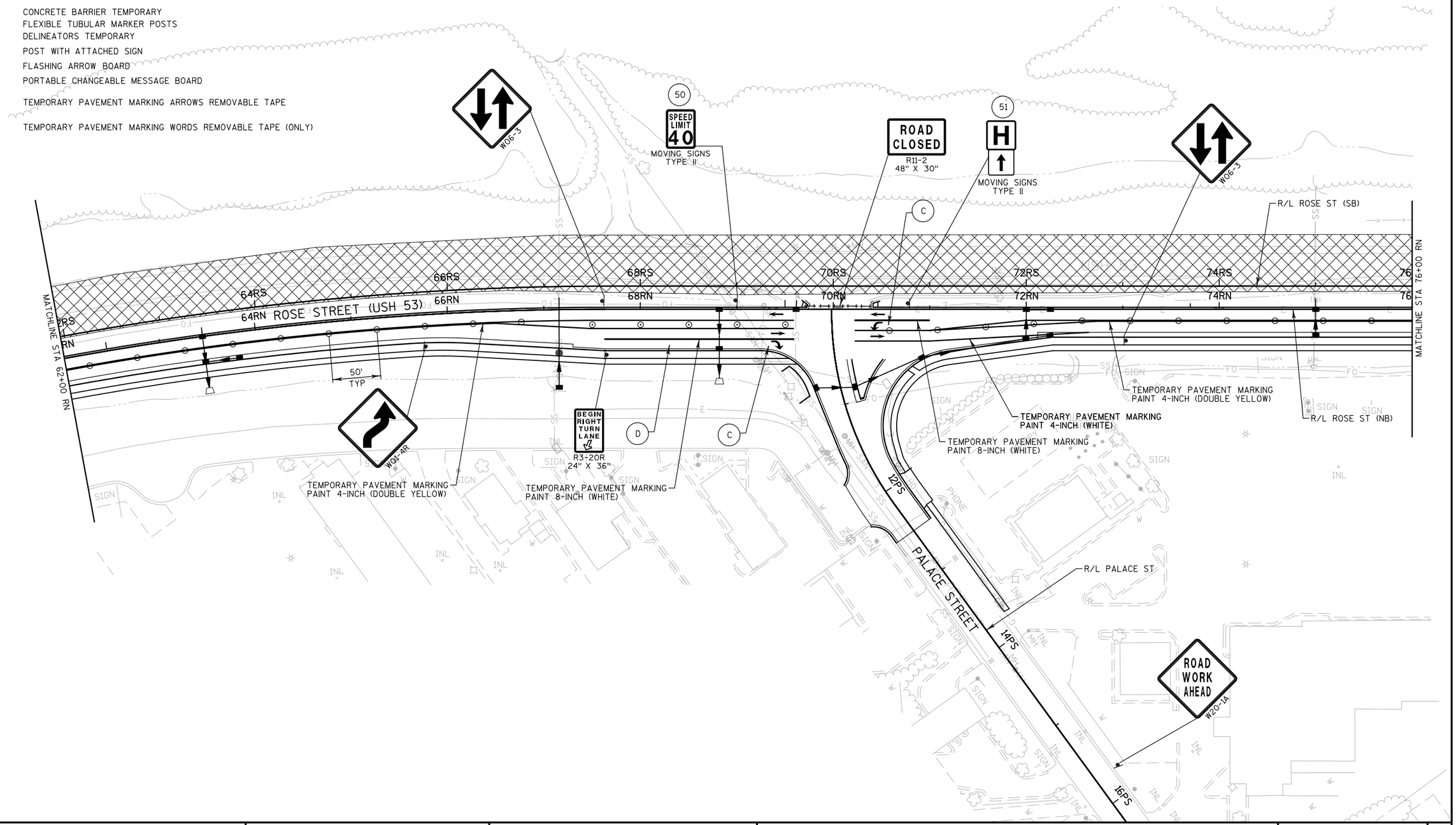
W04-2L

ROAD WORK AHEAD
W20-1A

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3	SHEET 323	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- C — TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE
- D — TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE (ONLY)

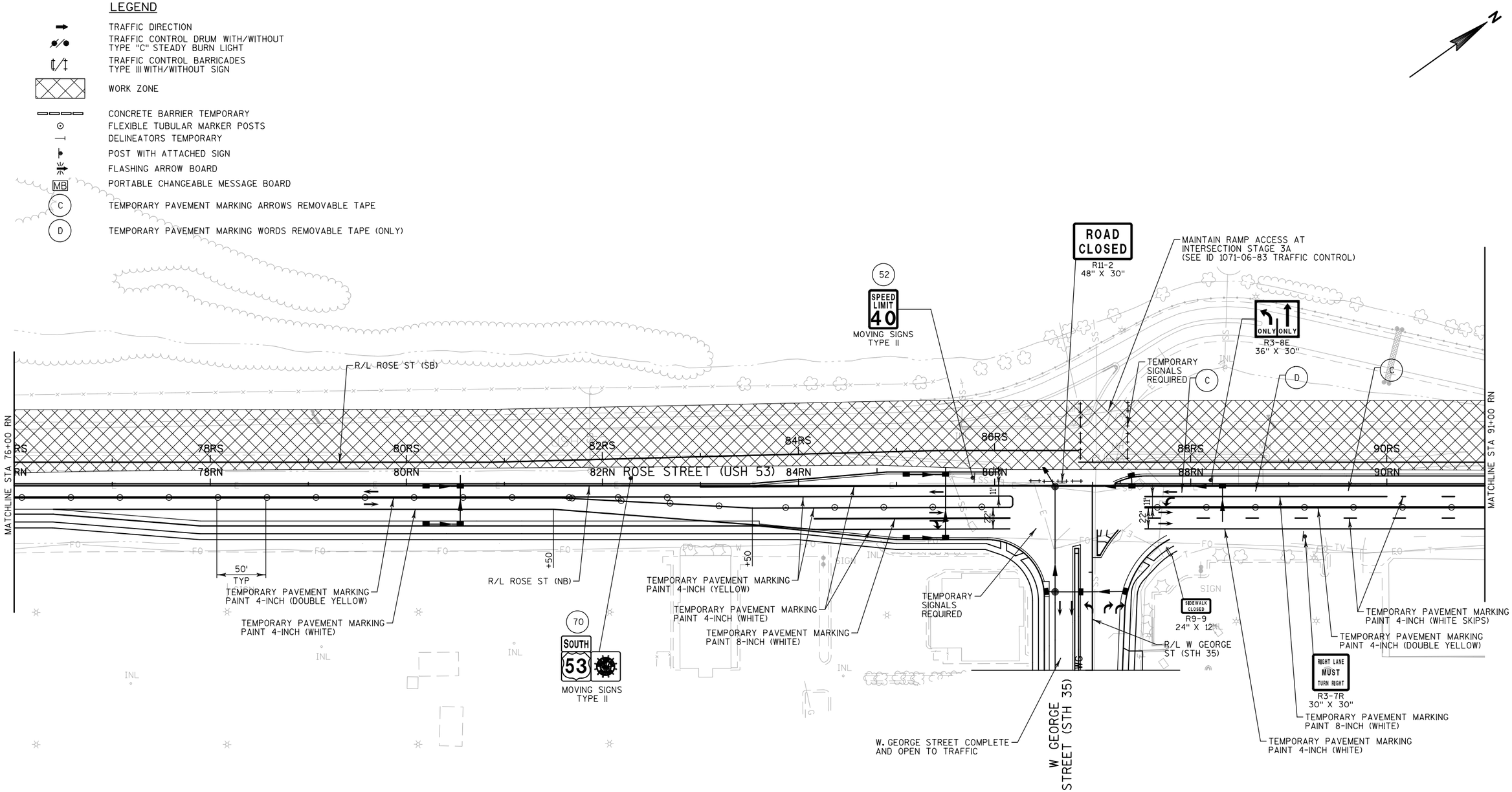


PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TRAFFIC CONTROL - STAGE 3	SHEET 324	E

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- C — TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE
- D — TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE (ONLY)

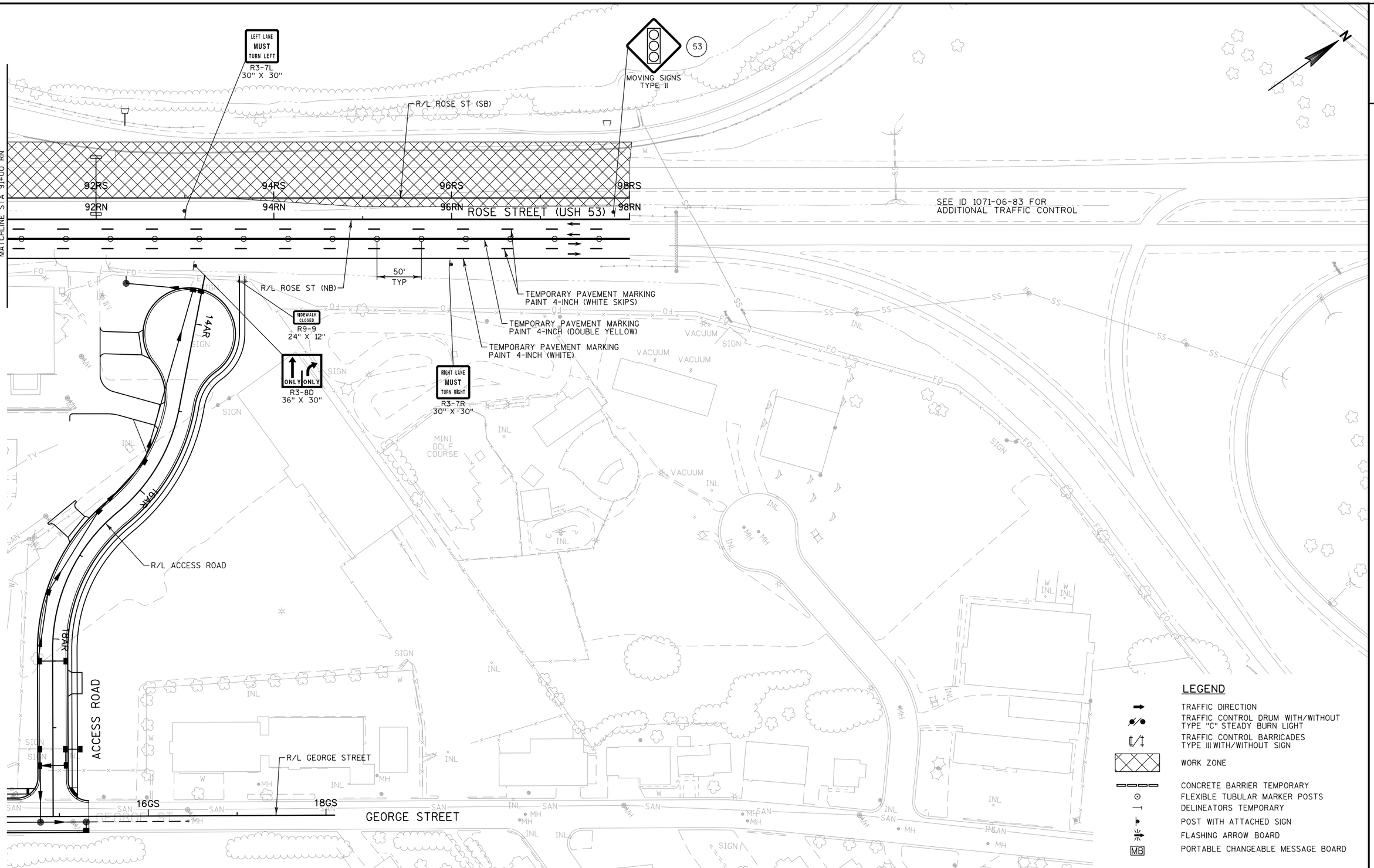


PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3	SHEET 325	E

FILE NAME : ch_0682_026022_s3.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

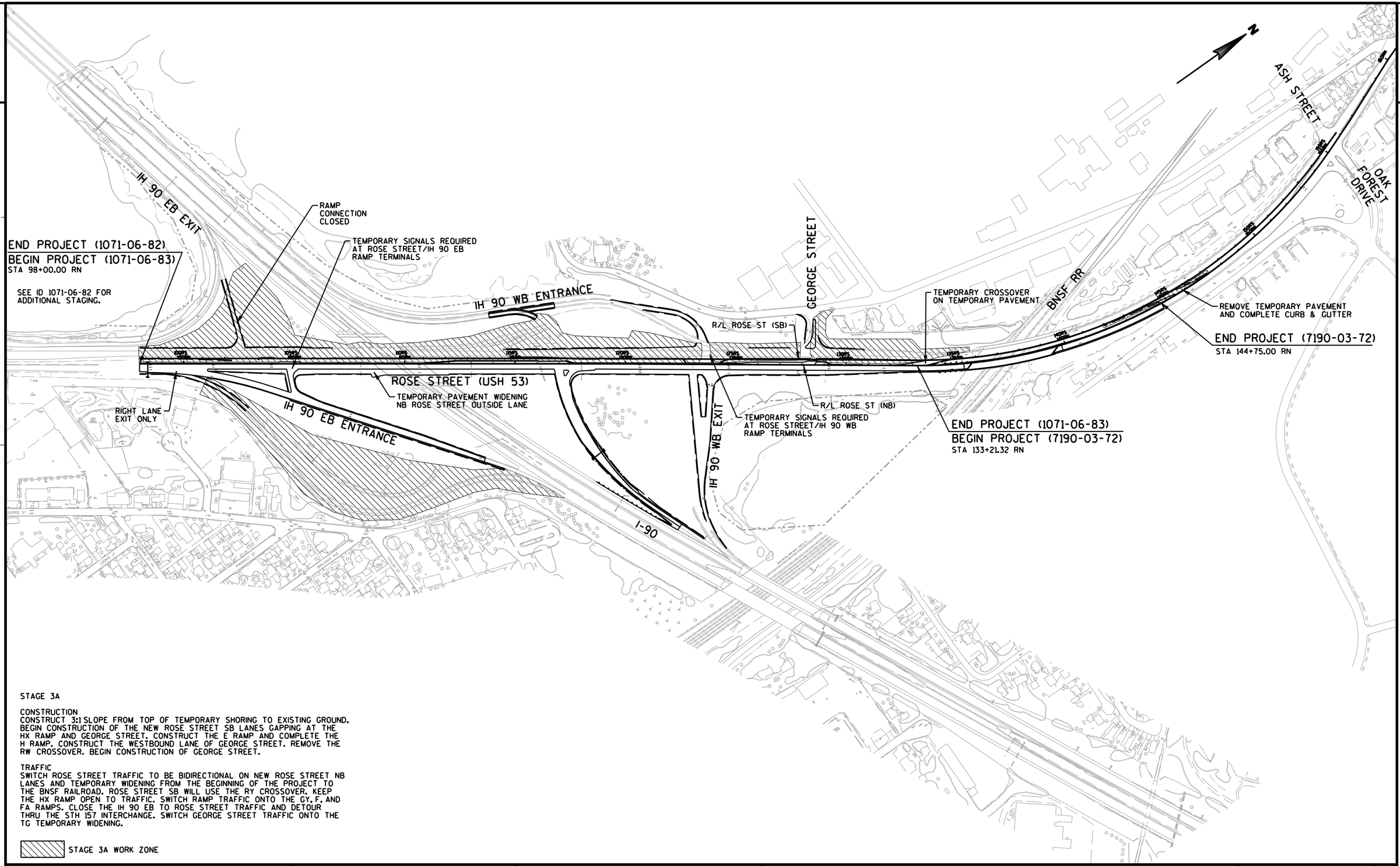
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3	SHEET 326	E

2



STAGE 3A

CONSTRUCTION
CONSTRUCT 3:1 SLOPE FROM TOP OF TEMPORARY SHORING TO EXISTING GROUND. BEGIN CONSTRUCTION OF THE NEW ROSE STREET SB LANES GAPPING AT THE HX RAMP AND GEORGE STREET. CONSTRUCT THE E RAMP AND COMPLETE THE H RAMP. CONSTRUCT THE WESTBOUND LANE OF GEORGE STREET. REMOVE THE RW CROSSOVER. BEGIN CONSTRUCTION OF GEORGE STREET.

TRAFFIC
SWITCH ROSE STREET TRAFFIC TO BE BIDIRECTIONAL ON NEW ROSE STREET NB LANES AND TEMPORARY WIDENING FROM THE BEGINNING OF THE PROJECT TO THE BNSF RAILROAD. ROSE STREET SB WILL USE THE RY CROSSOVER. KEEP THE HX RAMP OPEN TO TRAFFIC. SWITCH RAMP TRAFFIC ONTO THE GY, F, AND FA RAMPS. CLOSE THE IH 90 EB TO ROSE STREET TRAFFIC AND DETOUR THRU THE STH 157 INTERCHANGE. SWITCH GEORGE STREET TRAFFIC ONTO THE TG TEMPORARY WIDENING.

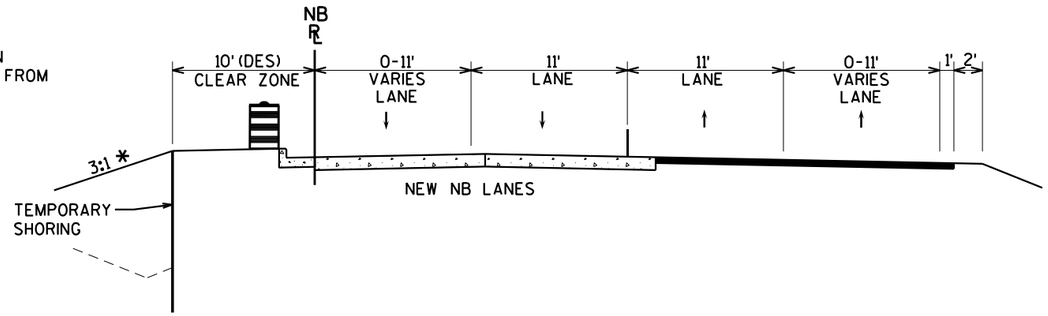
STAGE 3A WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 3A	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026500_s3a.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400
WISDOT/CADDS SHEET 42

2

* 3:1 SLOPE MAX. TO BE CONSTRUCTED WITHIN 7 CALENDER DAYS AFTER TRAFFIC SWITCH FROM STAGE 2B TO STAGE 3A IS COMPLETED.



STAGE 3A/3B (TRAFFIC BIDIRECTIONAL ON NB LANES) W/TEMPORARY SHORING

STA 98+00.00 RN - STA 133+00.00 RN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS TEMPORARY - STAGE 3A/3B	SHEET 328	E

STA 98+00 FX - STA 101+00 FX
REMOVING PAVEMENT MARKING
(EDGELINE LT/RT)

STA 202+71 FX (3)
REMOVING PAVEMENT MARKING ARROWS

STA 202+21 FX
REMOVING PAVEMENT MARKING
(STOP LINE)

SEE "TRAFFIC CONTROL - STAGE 3A PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 3A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

STA 106+07 RN
STA 108+17 RN
TEMPORARY PAVEMENT
MARKING ARROWS PAINT

STA 107+07 RN
TEMPORARY PAVEMENT
MARKING WORDS PAINT

STA 104+54 RN
TEMPORARY PAVEMENT MARKING
STOP LINE 18-INCH

STA 105+73 RN
TEMPORARY PAVEMENT MARKING
STOP LINE REMOVABLE TAPE 18-INCH

IH 90 EB TO ROSE ST

EAST NORTH
90 53

ROSE ST TO IH 90 WB

MOVING SIGNS TYPE II

STOP HERE ON RED
R10-6
24" X 36"

25' SPACING (TYP)

14

TEMPORARY SHORING

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE, SKIPS)

STA 98+00 RN - STA 108+00 RN, 10'LT
TEMPORARY SHORING
(NOTE: TEMP SHORING WILL EXTEND INTO PROJECT 1071-06-82)

TEMPORARY SHORING

50' (TYP)

ROSE ST

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

25' SPACING (TYP)

ONLY
R3-50A
30" X 36"

STOP HERE ON RED
R10-6
24" X 36"

W4-3L
30" X 30"

15' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

W4-3L
30" X 30"

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

W05-52R
12" X 36"

EAST
M3-2
24" X 12"

90
M1-1
24" X 24"

M05-1L
21" X 21"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

IH 90 WB

IH 90 EB

SEE SDD "TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL INFORMATION.

RIGHT SHOULDER CLOSED
W21-5A

FLASHING ARROW BOARD IN CAUTION MODE

ROSE ST TO IH 90 EB

50' (TYP)

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3A	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026501_s3a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

2

ROSE ST TO IH 90 WB

25' SPACING (TYP)

STA 111+50 RN - STA 122+00 RN, 10' LT
(OR 2' LT OFF BACK OF CURB FOR TURN LANE) TEMPORARY SHORING

EAST M3-2 24" X 12"
90 M1-1 24" X 24"
USE LEFT LANE M4-2DL 24" X 24"

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED

RAMP CLOSED R11-2R 48" X 30"

ROAD CLOSED R11-2 48" X 30"

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M06-1 21" X 21"

STOP HERE ON RED R10-6 24" X 36"

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M05-1R 21" X 21"

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1A

15' SPACING (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

MOORINGS DR

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

ONE WAY

STOP

MOVING SIGNS TYPE II 19

MOVING SIGNS TYPE II 20

R3-2 24" X 24"

ROAD CLOSED R11-2 48" X 30"

GEORGE ST

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

ROSE ST

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M05-1L 21" X 21"

RAMP CLOSED R11-2R 48" X 30"

STA 119+25 RN
STA 122+15 RN
STA 203+30 GY (2)
STA 205+56 GY
TEMPORARY PAVEMENT MARKING ARROWS PAINT

STA 107+07 RN
TEMPORARY PAVEMENT MARKING WORDS PAINT

STA 122+68 RN
STA 203+00 GY
STA 22+06 TG
TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

STA 124+62 RN
STA 127+12 RN
TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE

STA 125+92 RN
TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE

STA 124+36 RN
TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH

STA 122+67 RN - STA 123+88 RN
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) (3' LINE, 9' GAP)

STA 122+67 RN - STA 123+65 RN
STA 122+67 RN - STA 123+54 RN
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW) (3' LINE, 9' GAP)

ONLY ONLY R3-8E 36" X 30"

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE, SKIPS)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

STOP HERE ON RED R10-6 24" X 36"

WEST M3-4 24" X 12"
90 M1-1 24" X 24"
M06-1 21" X 21"

R3-1 24" X 24"

R=47'

CLOSED

STA 202+71 GZ (3)
STA 128+33 RS
REMOVING PAVEMENT MARKING ARROWS

STA 128+00 RS - STA 128+63 RS
REMOVING PAVEMENT MARKING (CHANNELIZING, CENTERLINE, EDGELINE)

STA 123+45 RN STA 124+00 RN
STA 21+00 GR - STA 21+51 GR
STA 20+38 GR - STA 21+50 GR
REMOVING PAVEMENT MARKING (EDGELINE)

RAMP CLOSED R11-2R 48" X 30"

25' SPACING (TYP)

W1-6 48" X 24"

IH 90 WB TO ROSE ST

R3-2 24" X 24"

DO NOT ENTER R5-1 36" X 36"

STOP HERE ON RED R10-6 24" X 36"

WRONG WAY R5-1A 42" X 30"

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" M06-1 21" X 21"
SOUTH M3-3 24" X 12" 35 M1-6 24" X 24" M06-1 21" X 21"
NORTH M3-1 24" X 12" 35 M1-6 24" X 24" M06-1 21" X 21"

SOUTH M3-3 24" X 12" 53 M1-4 24" X 24" M05-1L 21" X 21"
SOUTH M3-3 24" X 12" 35 M1-6 24" X 24" M05-1L 21" X 21"
NORTH M3-1 24" X 12" 35 M1-6 24" X 24" M05-1R 21" X 21"

ONLY R3-8I 36" X 30"

SEE "TRAFFIC CONTROL - STAGE 2A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

IH 90 WB

IH 90 EB

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3A	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026502_s3a.dgn
PLOT DATE : 7/26/2016
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

2

CRASH CUSHION TEMPORARY

25' SPACING (TYP)

ROSE ST SB

100' (TYP)

ROSE ST NB

50' (TYP)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)

W06-1

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

W06-3

NEXT 2 MILES

W057-51
30" X 15"

25' SPACING (TYP)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

STA 135+82 RS - STA 143+00 RS
REMOVING PAVEMENT MARKING
(EDGELINE)

STA 134+00 RS - STA 136+20 RS
REMOVING PAVEMENT MARKING
(LANE LINE)

W01-4L

35 M.P.H.

W13-1
18" X 18"

100' (TYP)

LANE CLOSED

R11-2L
48" X 30"

LANE CLOSED

R11-2L
48" X 30"

100' (TYP)

100' (TYP)

25' SPACING (TYP)

FLASHING ARROW BOARD

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION.

END ROAD WORK

G20-2A
48" X 24"

W04-2L

SOUTH

M3-3
24" X 12"

35

M1-6
24" X 24"

ROAD WORK AHEAD

W20-1A

ASH ST

OAK FOREST DR

MAX. 12' WIDTH

W12-52

XX MILES AHEAD

W057-52
36" X 24"

PLACE PRIOR TO STH 157 (MAIN ST)

MAX. 12' WIDTH

W12-52

ROAD WORK NEXT 2 MILES

G20-1
60" X 24"

LEFT LANE CLOSED AHEAD

W20-5SA

ROAD WORK AHEAD

W20-1A

FILLER CAPS

CANOPY

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3A	SHEET 331 E

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

25' SPACING (TYP)

EXIT
E5-1
60" X 48"

LANE CLOSED
R11-2L
48" X 30"

W1-6
48" X 24"

W1-8
18" X 24"

W1-8
18" X 24"

RAMP CLOSED
R11-2R
48" X 30"

W1-8
18" X 24"

IH 90 EB TO ROSE ST

SOUTH
53 35
NARROW LANES
10 MAX WIDTH
G20-59
120" X 84"

12'
109

WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

12
110

SOUTH
M3-3
24" X 12"

53 M1-4 24" X 24"
35 M1-6 24" X 24"

ROAD WORK AHEAD
W20-1A

SEE "TRAFFIC CONTROL - STAGE 3A" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3A - IH 90	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026504_s3a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 3A" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

25' SPACING (TYP)

IH 90 WB TO ROSE ST

RAMP CLOSED
R11-2R
48" X 30"

W1-8
18" X 24"

W1-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W1-8
18" X 24"

EXIT
E5-1
60" X 48"

25' SPACING (TYP)

W1-8
18" X 24"

12
111
WIDE LOADS EXCEEDING 10 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

SOUTH 53 35
NARROW LANES
10 MAX WIDTH
G20-59
120" X 84"

12'
112
EXIT 30 M.P.H.
W13-2
24" X 30"

IH 90 WB

IH 90 EB

200WB 202WB 204WB 206WB 208WB 210WB 212WB 214WB

200EB 202EB 204EB 206EB 208EB 210EB 212EB 214EB

50' (TYP)

ROSE ST TO IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

BURLINGTON NORTHERN SANTA FE

SIGN

POOL

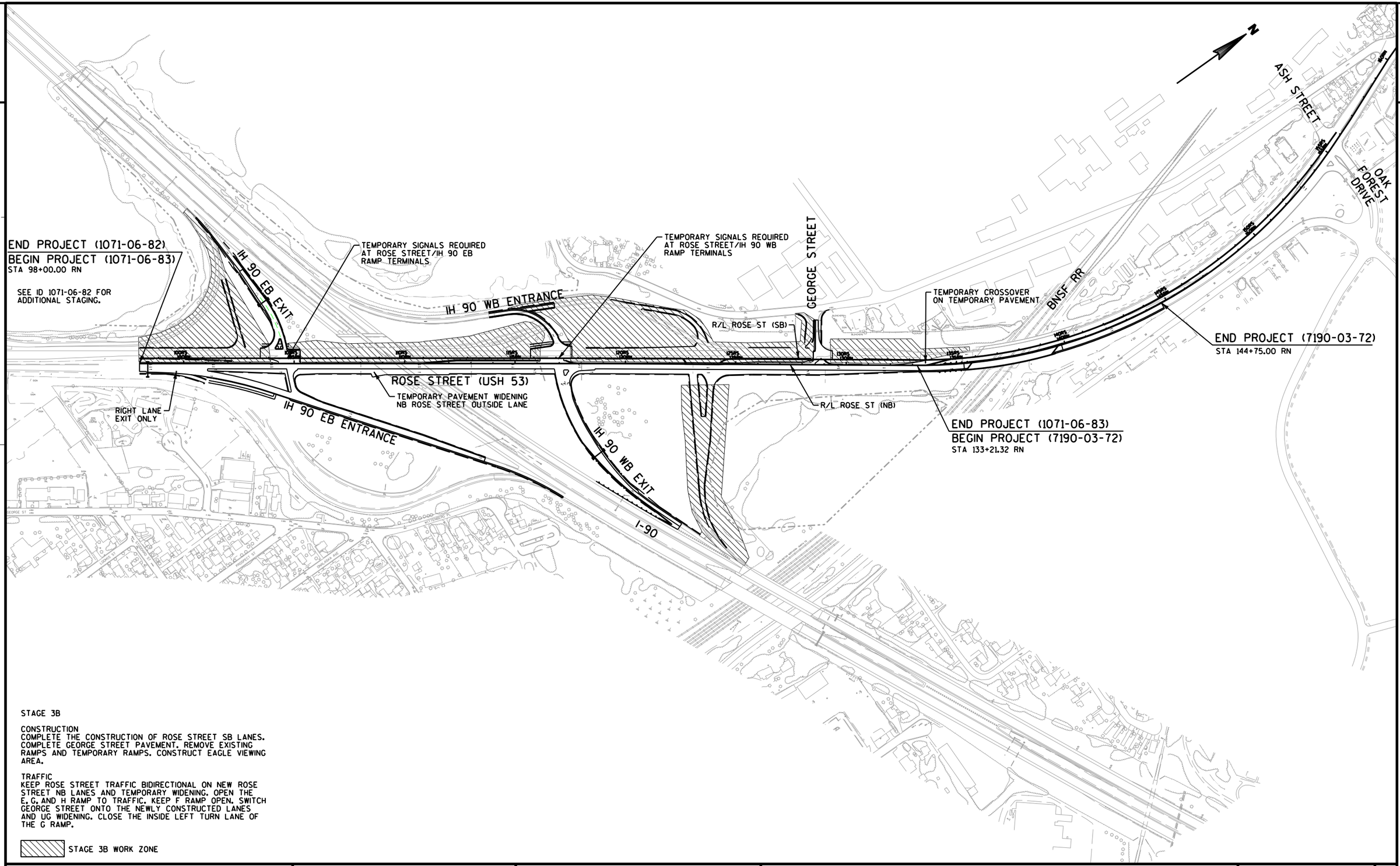
LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3A - IH 90	SHEET 333	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026505_s3a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



STAGE 3B

CONSTRUCTION
COMPLETE THE CONSTRUCTION OF ROSE STREET SB LANES. COMPLETE GEORGE STREET PAVEMENT. REMOVE EXISTING RAMPS AND TEMPORARY RAMPS. CONSTRUCT EAGLE VIEWING AREA.

TRAFFIC
KEEP ROSE STREET TRAFFIC BIDIRECTIONAL ON NEW ROSE STREET NB LANES AND TEMPORARY WIDENING. OPEN THE E, G, AND H RAMP TO TRAFFIC. KEEP F RAMP OPEN. SWITCH GEORGE STREET ONTO THE NEWLY CONSTRUCTED LANES AND UG WIDENING. CLOSE THE INSIDE LEFT TURN LANE OF THE G RAMP.

STAGE 3B WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 3B	SHEET 334	E

SEE "TRAFFIC CONTROL - STAGE 3A - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 3B PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

IH 90 EB TO ROSE ST

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

NORTH
M3-1
24" X 12"
35
M1-6
24" X 24"
M06-1
21" X 21"

SOUTH
M3-3
24" X 12"
53
M1-4
24" X 24"
M06-1
21" X 21"

SOUTH
M3-3
24" X 12"
35
M1-6
24" X 24"
M06-1
21" X 21"

EAST NORTH
90
53

ROSE ST TO IH 90 WB

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

STOP HERE ON RED
R10-6
24" X 36"

50' (TYP)

ROSE ST

25' SPACING (TYP)

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

ONLY
R3-50A
30" X 36"

STOP HERE ON RED
R10-6
24" X 36"

W4-3L
30" X 30"

15' SPACING (TYP)

W4-3L
30" X 30"

WEST
M3-4
24" X 12"
90
M1-1
24" X 24"
M05-1L
21" X 21"

W05-52R
12" X 36"

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

EAST
M3-2
24" X 12"
90
M1-1
24" X 24"
M05-1L
21" X 21"

ONLY ONLY
R3-8E
36" X 30"

IH 90 WB

IH 90 EB

TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

STA 190+70 E
TEMPORARY PAVEMENT MARKING
STOP LINE REMOVABLE TAPE 18-INCH

STA 104+15 RN - STA 104+86 RN
STA 111+71 RN - STA 116+21 RN
REMOVING PAVEMENT MARKING
(EDGELINE)

ROSE ST TO IH 90 EB

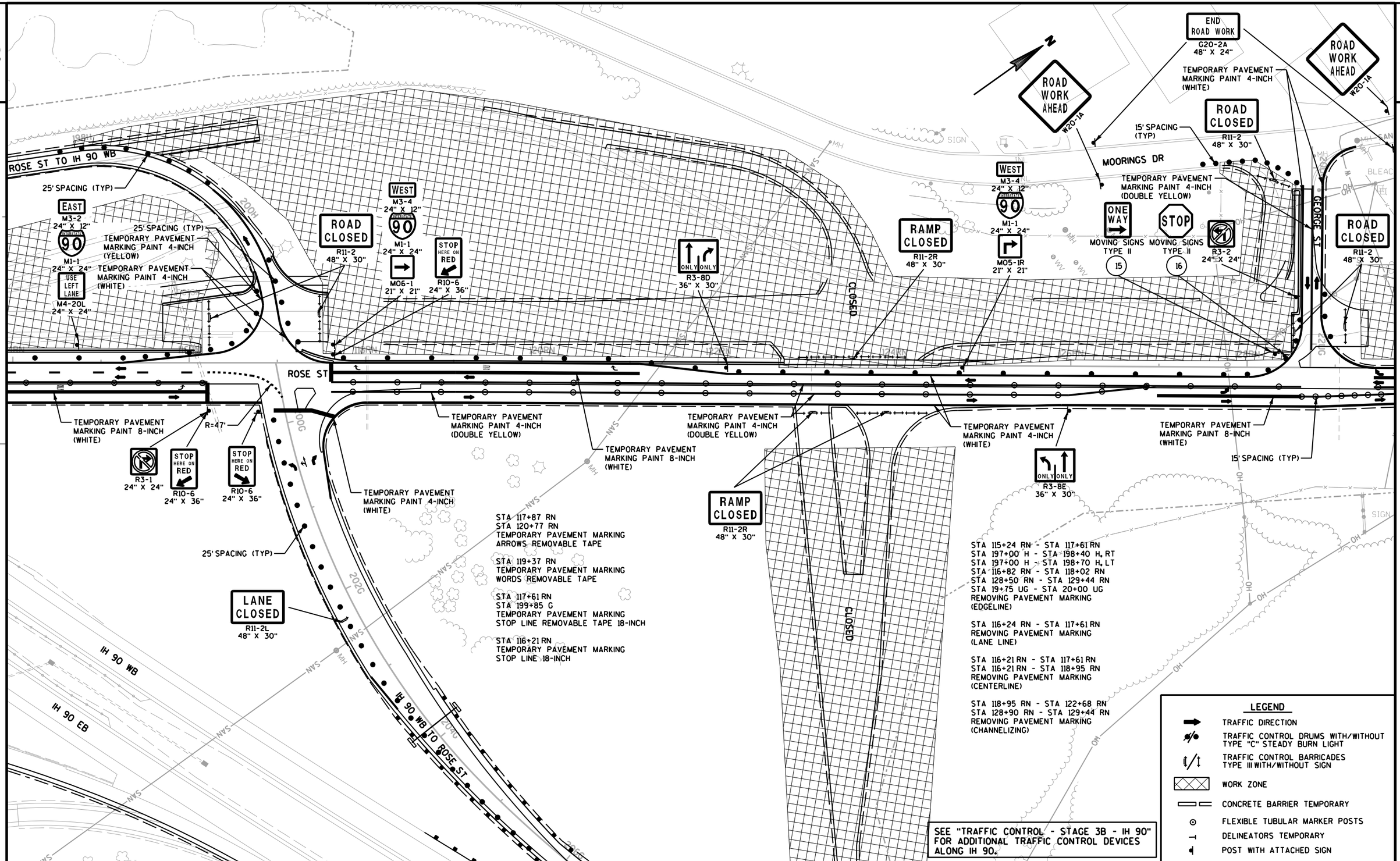
LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3B	SHEET 335	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026601_s3b.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3B	SHEET 336 E

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

ROSE ST SB

ROSE ST NB

OAK FOREST DR

ASH ST

130RN 132RN 134RN 136RN 138RN 140RN 142RN 144RN 146RN 148RN 150RN 152RN 154RN 156RN 158RN 160R

50' (TYP)

CRASH CUSHION TEMPORARY

25' SPACING (TYP)

25' SPACING (TYP)

W06-1

W06-3

NEXT 2 MILES
W057-51
30" X 15"

W01-4L

35 M.P.H.
W13-1
18" X 18"

LANE CLOSED
R11-2L
48" X 30"

FLASHING ARROW BOARD

END ROAD WORK
G20-2A
48" X 24"

W04-2L

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

MAX. 12' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

PLACE PRIOR TO STH 157 (MAIN ST)

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-55A

ROAD WORK AHEAD
W20-1A

FILLER CAPS

CANOPY

SIGN

MH

INL

W

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3B	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026603_s3b.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

STA 182+50 E - STA 184+25 E
REMOVING PAVEMENT MARKING
(CHANNELIZING)

STA 182+50 E - STA 184+00 E
REMOVING PAVEMENT MARKING
(EDGELINE)

END
ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

182E 184E

IH 90 EB TO ROSE ST

25' SPACING (TYP)

50'
(TYP)

FLASHING ARROW
BOARD IN CAUTION
MODE

SOUTH
53 35
NARROW LANES
12' MAX WIDTH
G20-59
120" X 84"

WIDE LOADS
EXCEEDING
12 FT
R12-70
72" X 36"

PROCEED TO
NEXT EXIT
CODE
72" X 24"

SOUTH
M3-3
24" X 12"
53 35
M1-4 M1-6
24" X 24" 24" X 24"

RIGHT
SHOULDER
CLOSED
W21-5A

ROAD
WORK
AHEAD
W20-1A

RAMP
CLOSED
R11-2R
48" X 30"

SEE SDD " TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL INFORMATION.

SEE "TRAFFIC CONTROL - STAGE 3B" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3B - IH 90	SHEET 338	E

2

SEE "TRAFFIC CONTROL - STAGE 3B" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

RAMP CLOSED
R11-2R
48" X 30"

WIDE LOADS EXCEEDING 12 FT
R12-70
72" X 36"

PROCEED TO NEXT EXIT
CODE
72" X 24"

SOUTH 53 35
NARROW LANES 12' MAX WIDTH
G20-59
120" X 84"

RIGHT SHOULDER CLOSED
W21-5A

ROAD WORK AHEAD
W20-1A

SOUTH
M3-3
24" X 12"

53 M1-4 24" X 24"
35 M1-6 24" X 24"

FLASHING ARROW BOARD IN CAUTION MODE

50' (TYP)

IH 90 WB TO ROSE ST

IH 90 WB

IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

206WB 208WB 210WB 212WB 214WB 216WB 218WB 220WB

206EB 208EB 210EB 212EB 214EB 216EB 218EB 220EB

206G 208G

BURLINGTON NORTHERN - SANTA FE

STA 211+00 G - STA 212+75 G, LT
STA 210+50 G - STA 212+00 G, RT
REMOVING PAVEMENT MARKING
(EDGELINE)

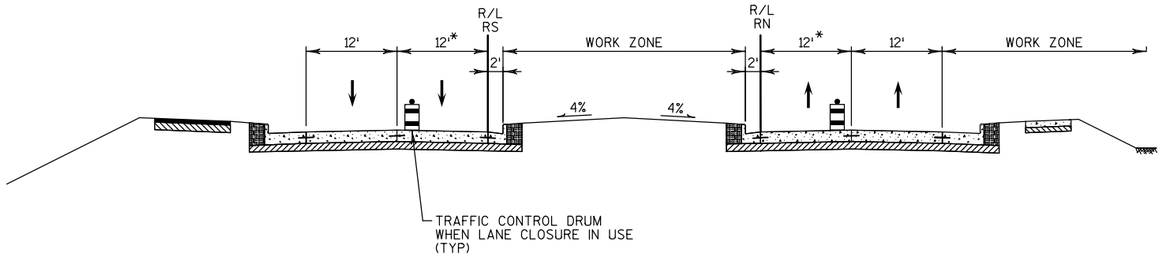
STA 212+00 G - STA 212+75 G
REMOVING PAVEMENT MARKING
(CHANNELIZING)

LEGEND

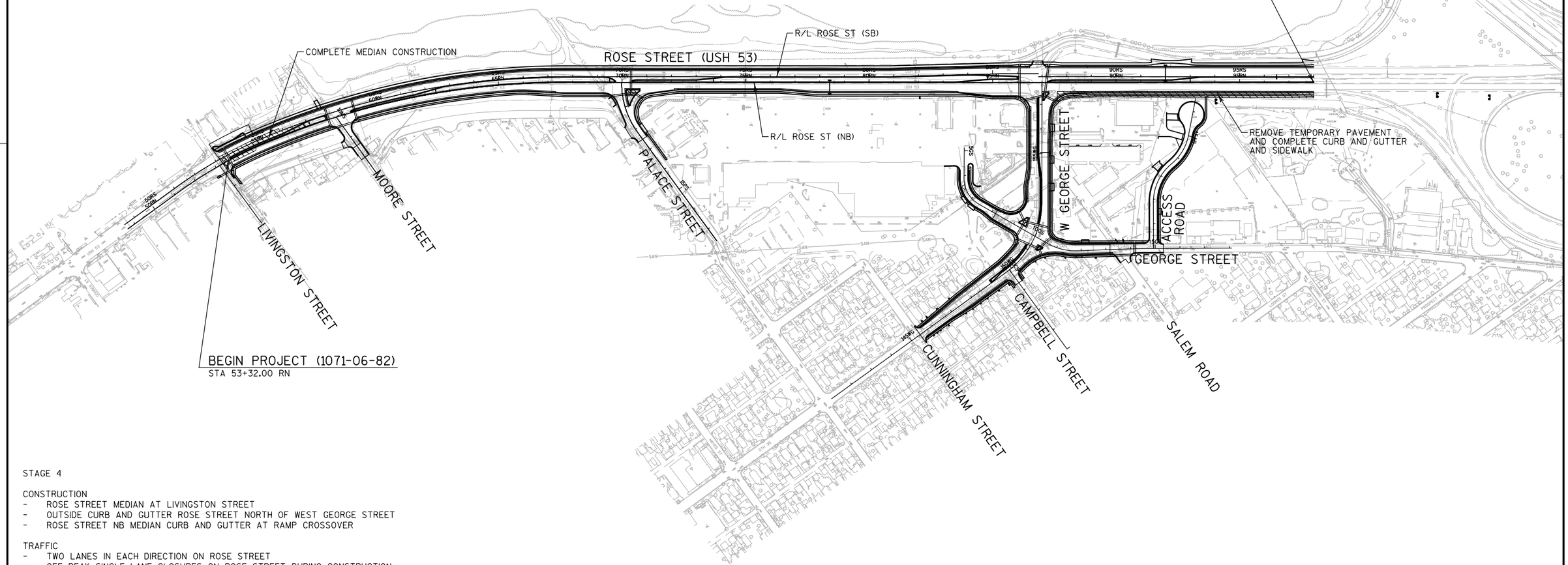
- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3B - IH 90	SHEET 339	E

* OFF PEAK CLOSURE OF ONR LANE
IN EACH DIRECTION PERMITTED



TYPICAL SECTION
STAGE 4
ROSE STREET



STAGE 4

CONSTRUCTION
- ROSE STREET MEDIAN AT LIVINGSTON STREET
- OUTSIDE CURB AND GUTTER ROSE STREET NORTH OF WEST GEORGE STREET
- ROSE STREET NB MEDIAN CURB AND GUTTER AT RAMP CROSSOVER

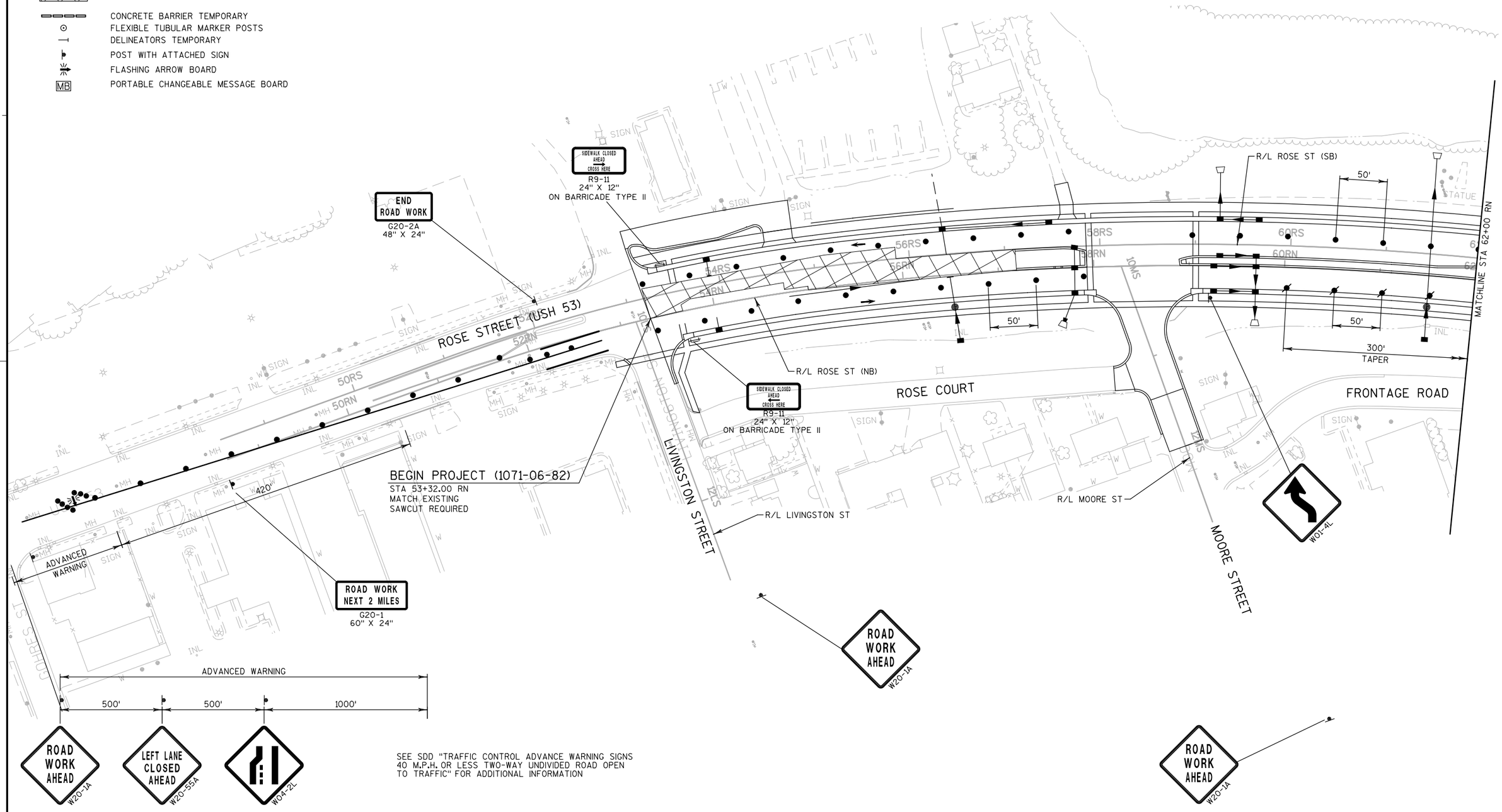
TRAFFIC
- TWO LANES IN EACH DIRECTION ON ROSE STREET
- OFF PEAK SINGLE LANE CLOSURES ON ROSE STREET DURING CONSTRUCTION

STAGE 4 WORK ZONE

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 4	SHEET 340	E

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

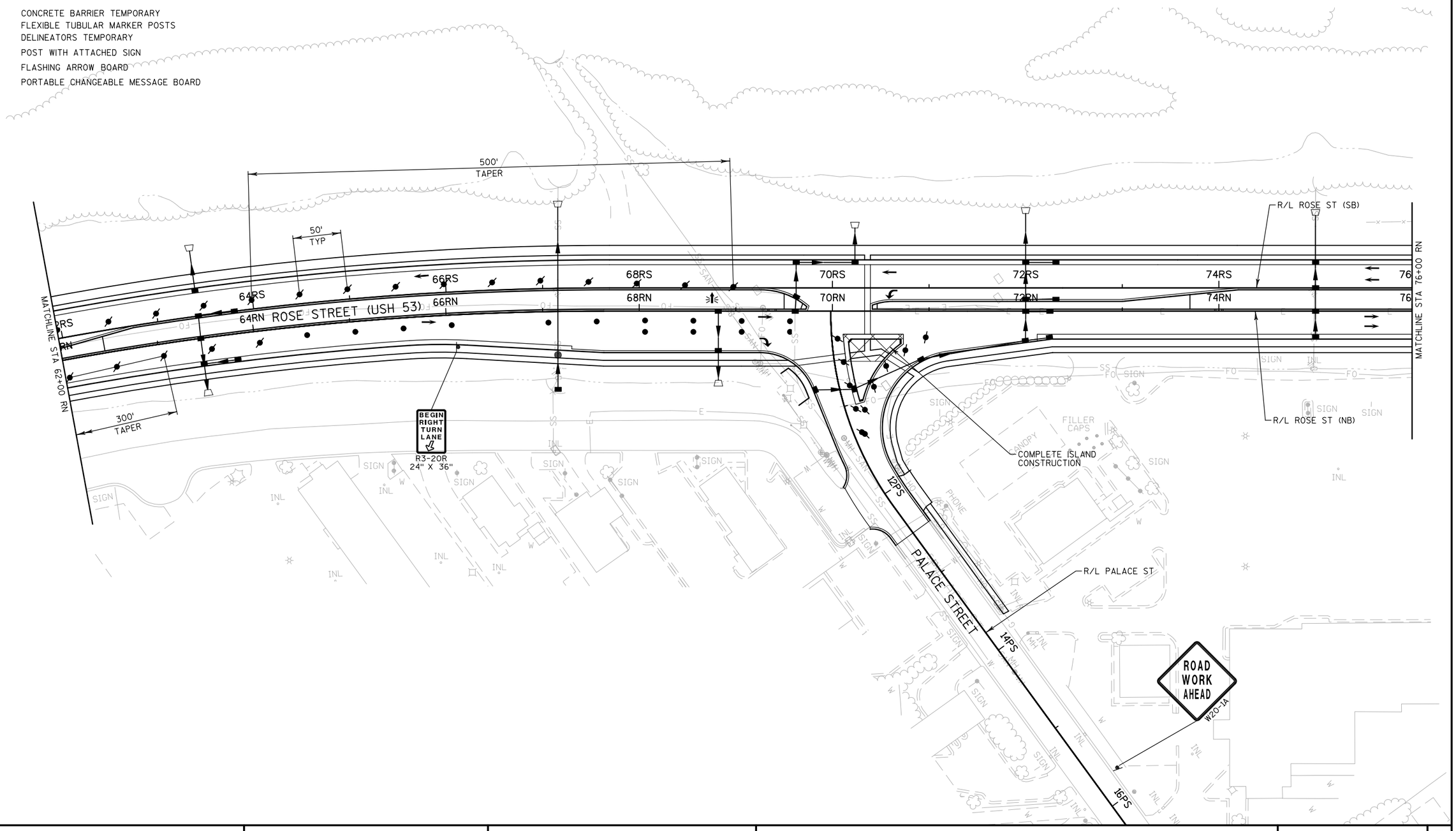


SEE SDD "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET 341	E

LEGEND

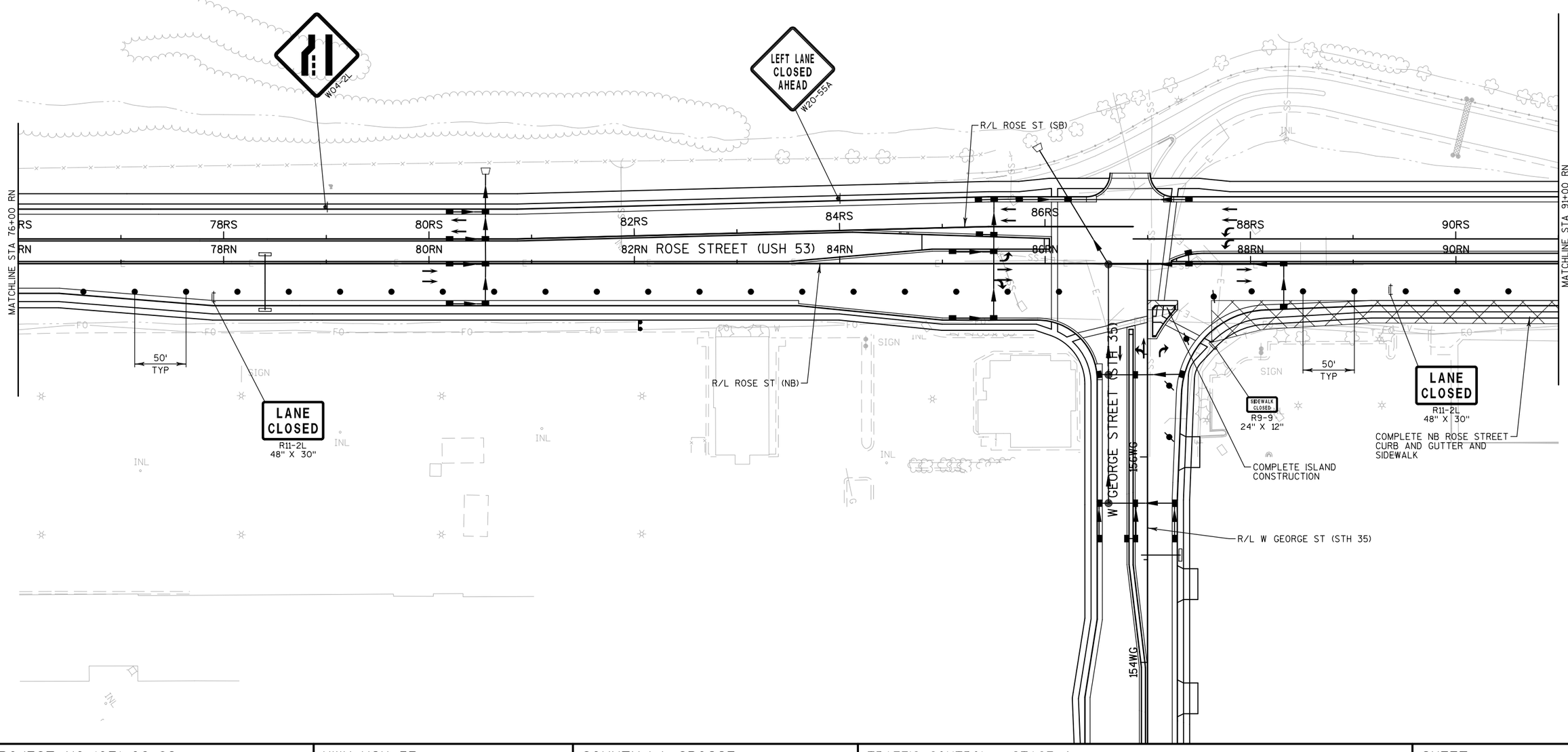
- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB — PORTABLE CHANGEABLE MESSAGE BOARD



2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET 343	E

FILE NAME : ch_0682_026027_s4.dgn PLOT DATE : 29-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

2

OFF PEAK LANE CLOSURE TO COMPLETE MEDIAN CURB AND GUTTER
DO NOT WORK IN MEDIAN AND OUTSIDE EDGE OF ROADWAY AT SAME TIME

R/L ROSE ST (SB)

MATCHLINE STA 91+00 RN

92RS 94RS 96RS 98RS

92RN 94RN 96RN ROSE STREET (USH 53) 98RN

50' TYP

SIDEWALK CLOSED
R9-9
24" X 12"

R/L ROSE ST (NB)

COMPLETE NB ROSE STREET
CURB AND GUTTER AND
SIDEWALK

14AR

10AR

18AR

R/L ACCESS ROAD

ACCESS ROAD

R/L GEORGE STREET

16GS

18GS

GEORGE ST

GEORGE STREET

MINI GOLF COURSE

VACUUM

SIGN

INL

SAN

MH

W

FO

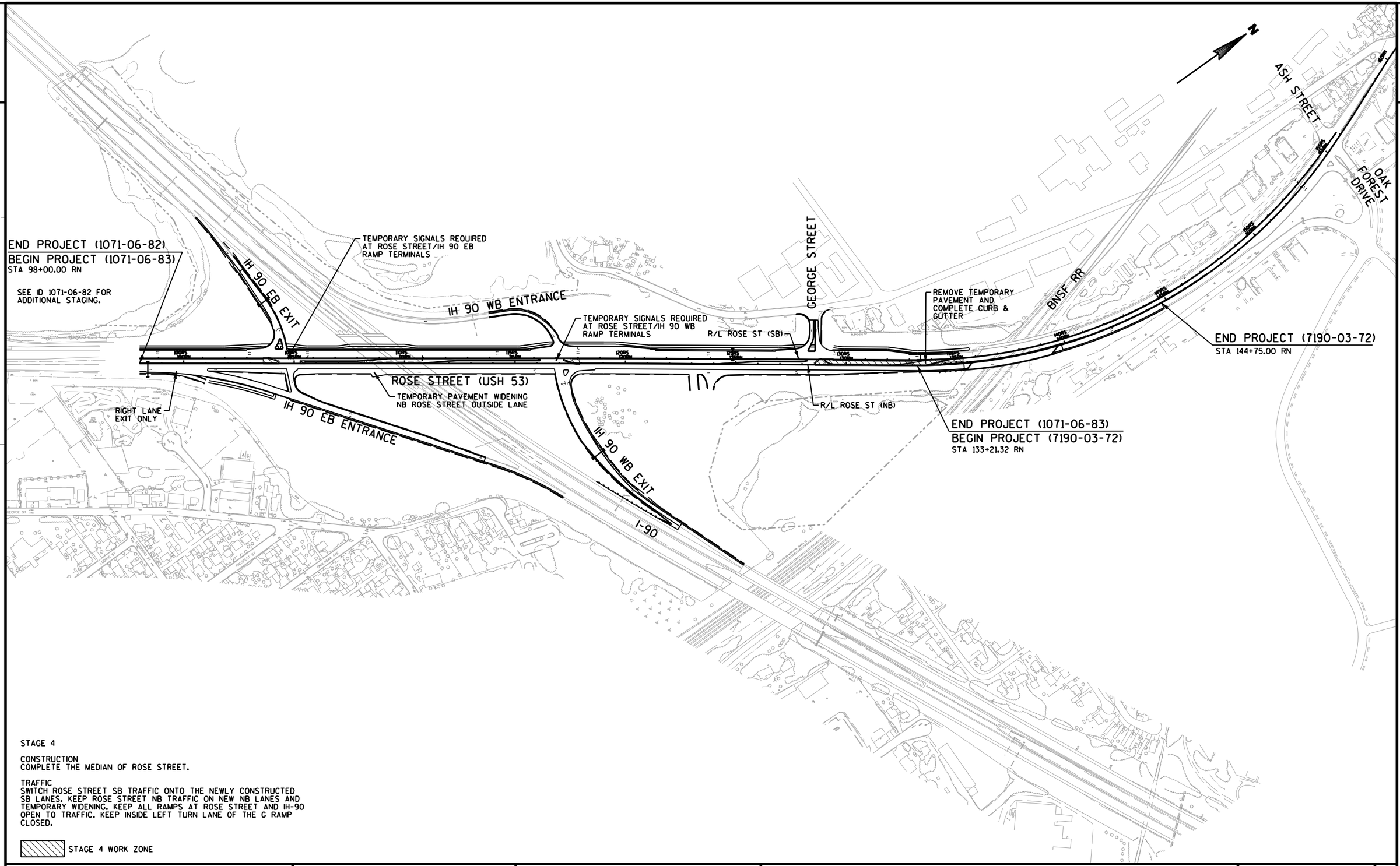
SS

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN
- FLASHING ARROW BOARD
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET 344	E

2



STAGE 4

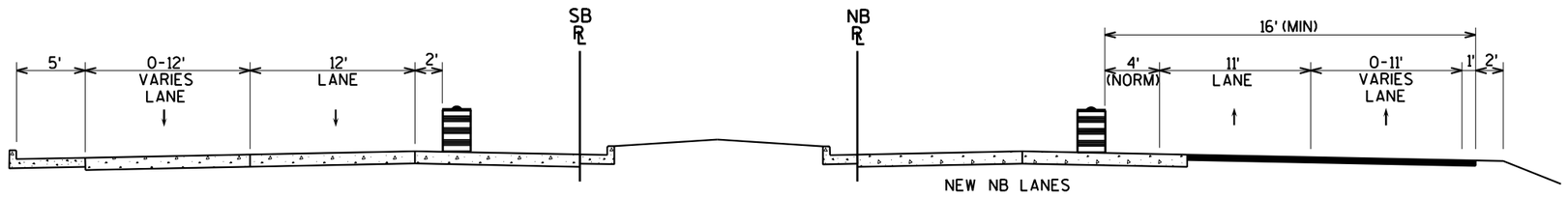
CONSTRUCTION
COMPLETE THE MEDIAN OF ROSE STREET.

TRAFFIC
SWITCH ROSE STREET SB TRAFFIC ONTO THE NEWLY CONSTRUCTED SB LANES. KEEP ROSE STREET NB TRAFFIC ON NEW NB LANES AND TEMPORARY WIDENING. KEEP ALL RAMPS AT ROSE STREET AND IH-90 OPEN TO TRAFFIC. KEEP INSIDE LEFT TURN LANE OF THE G RAMP CLOSED.

STAGE 4 WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 4	SHEET 345	E

2



STAGE 4

STA 98+00.00 RN - STA 151+00.00 RN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS TEMPORARY - STAGE 4	SHEET 346	E

SEE "TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SEE "TRAFFIC CONTROL - STAGE 4 PROJECT 1071-06-82 FOR ADDITIONAL INFORMATION.

IH 90 EB TO ROSE ST

ROSE ST TO IH 90 WB

LANE CLOSED
R11-2L
48" X 30"

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)

15' SPACING (TYP)

25' SPACING (TYP)

ROSE ST SB

ROSE ST NB

100' (TYP)

50' (TYP)

WEST
M3-4
24" X 12"

M1-1
24" X 24"

M05-1L
21" X 21"

W4-3L
30" X 30"

W05-52R
12" X 36"

ONLY
R3-50A
30" X 36"

STOP HERE ON RED
R10-6
24" X 36"

ONLY ONLY
R3-8E
36" X 30"

IH 90 WB

IH 90 EB

ROSE ST TO IH 90 EB

STA 98+00 RN - STA 123+35 RN
REMOVING PAVEMENT MARKING
(EDGELINE)

STA 98+00 RN - STA 104+54 RN
STA 105+73 RN - STA 122+55 RN
REMOVING PAVEMENT MARKING
(LANE LINE)

STA 101+73 RN - STA 104+54 RN
STA 108+58 RN STA 112+70 RN
REMOVING PAVEMENT MARKING
(CENTERLINE)

STA 105+73 RN - STA 108+48 RN
REMOVING PAVEMENT MARKING
(CHANNELIZING)

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE" FOR ADDITIONAL INFORMATION.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026701_s4a.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

2

2

ROSE ST TO IH 90 WB

ROSE ST SB

ROSE ST NB

MOORINGS DR

GEORGE ST

IH 90 WB

IH 90 EB

IH 90 WB TO ROSE ST

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1A

LANE CLOSED
R11-2L
48" X 30"

15' SPACING (TYP)

25' SPACING (TYP)

100' (TYP)

50' (TYP)

STOP HERE ON RED
R10-6
24" X 36"

R3-1
24" X 24"

RAMP CLOSED
R11-2R
48" X 30"

CLOSED

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

W1-6
48" X 24"

STA 117+61 RN - STA 121+11 RN
STA 129+44 RN - STA 130+44 RN
REMOVING PAVEMENT MARKING
(CHANNELIZING)

STA 117+61 RN - STA 126+98 RN
REMOVING PAVEMENT MARKING
(CENTERLINE)

STA 124+36 RN - STA 127+47 RN
REMOVING PAVEMENT MARKING
(EDGELINE)

SEE "TRAFFIC CONTROL - STAGE 4 - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026702_s4a.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

2

LANE CLOSED
R11-2L
48" X 30"

ROSE ST SB

ROSE ST NB

50' (TYP)

100' (TYP)

25' SPACING (TYP)

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

FLASHING ARROW BOARD

W04-2L

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

ASH ST

OAK FOREST DR

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4	SHEET 349 E

2

2

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

N

END ROAD WORK
G20-2A
48" X 24"

ROSE ST SB TO IH 90 WB

IH 90 WB

178WB 180WB 182WB 184WB 186WB 188WB 190WB

178EB 180EB 182EB 184EB 186EB 188EB 190EB

IH 90 EB

182E 184E

IH 90 EB TO ROSE ST

SOUTH
M3-3
24" X 12"

53
M1-4
24" X 24"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

SEE "TRAFFIC CONTROL - STAGE 4" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90	SHEET 350	E

2

SEE "TRAFFIC CONTROL - STAGE 4" SHEETS FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG ROSE ST.

N

SOUTH
M3-3
24" X 12"

53
M1-4
24" X 24"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

IH 90 WB TO ROSE ST

IH 90 WB

IH 90 EB

END ROAD WORK
G20-2A
48" X 24"

50' (TYP)

BURLINGTON NORTHERN - SANTA FE

206G 208G 210G 212G

206WB 208WB 210WB 212WB 214WB 216WB 218WB 220WB

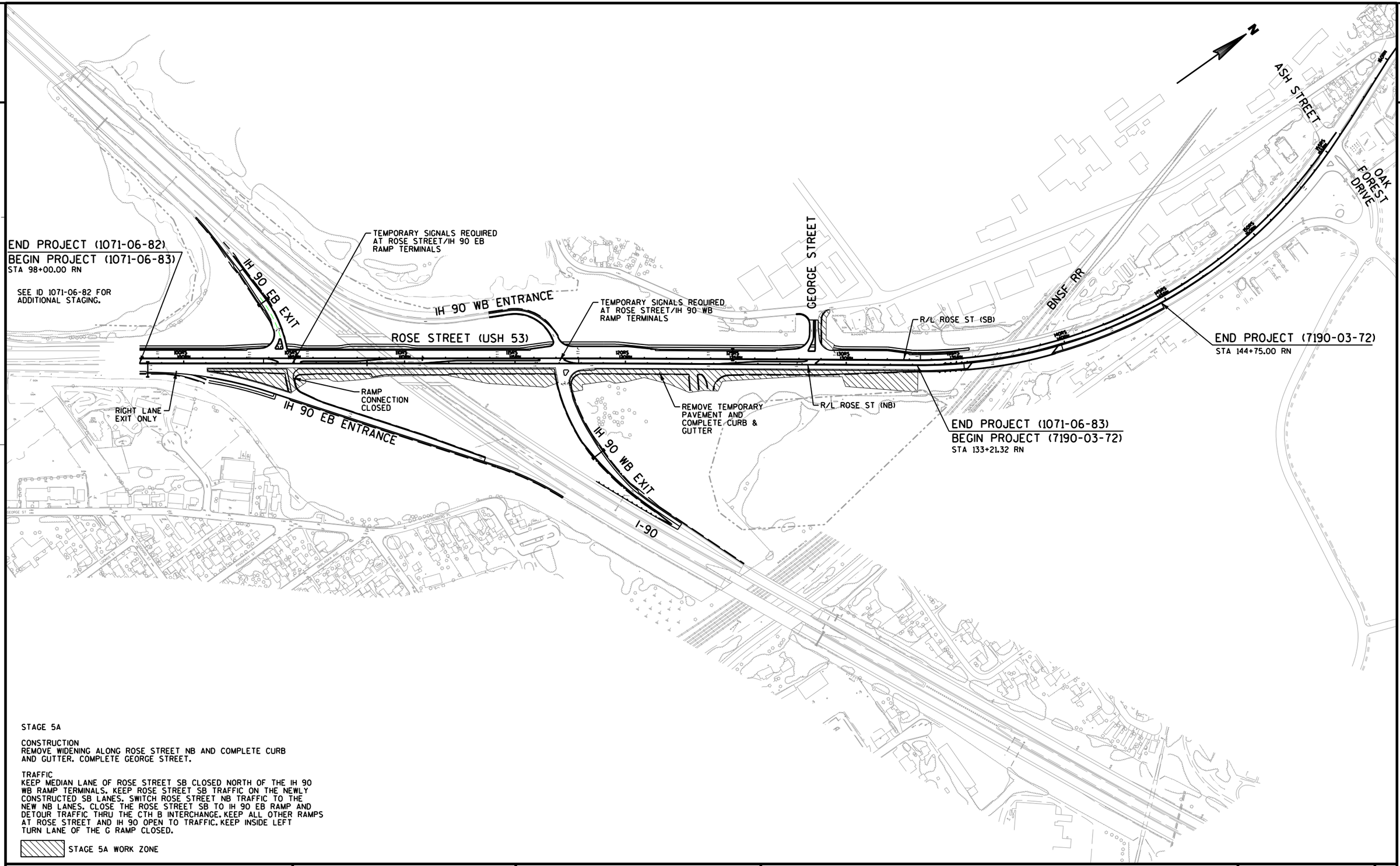
206EB 208EB 210EB 212EB 214EB 216EB 218EB 220EB

OH FO W M SIGN WALLS INL

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90	SHEET 351	E



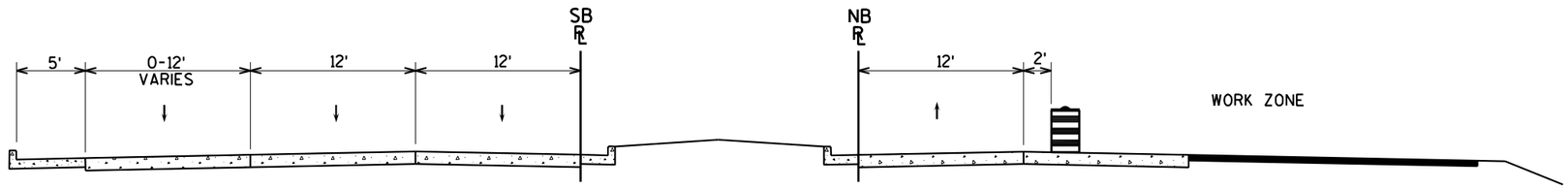
STAGE 5A

CONSTRUCTION
REMOVE WIDENING ALONG ROSE STREET NB AND COMPLETE CURB AND GUTTER. COMPLETE GEORGE STREET.

TRAFFIC
KEEP MEDIAN LANE OF ROSE STREET SB CLOSED NORTH OF THE IH 90 WB RAMP TERMINALS. KEEP ROSE STREET SB TRAFFIC ON THE NEWLY CONSTRUCTED SB LANES. SWITCH ROSE STREET NB TRAFFIC TO THE NEW NB LANES. CLOSE THE ROSE STREET SB TO IH 90 EB RAMP AND DETOUR TRAFFIC THRU THE CTH B INTERCHANGE. KEEP ALL OTHER RAMPS AT ROSE STREET AND IH 90 OPEN TO TRAFFIC. KEEP INSIDE LEFT TURN LANE OF THE G RAMP CLOSED.

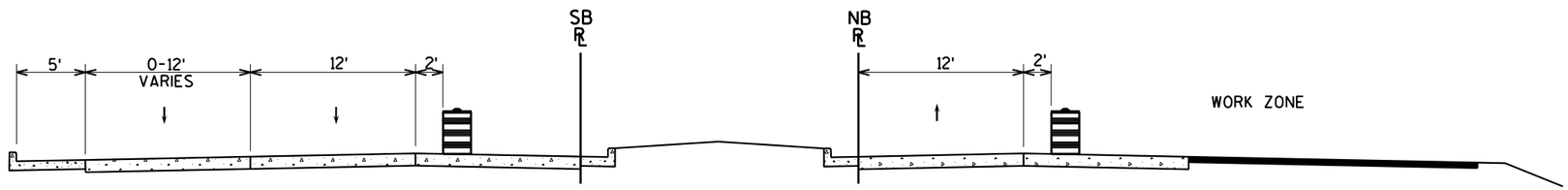
STAGE 5A WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 5A	SHEET 352	E



STAGE 5A

STA 98+00.00 RN - STA 117+00.00 RN



STAGE 5A

STA 117+00.00 RN - STA 135+00.00 RN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS TEMPORARY - STAGE 5A	SHEET 353	E

SEE "TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

IH 90 EB TO ROSE ST

COVERING SIGNS TYPE II

ONLY

ONLY
R3-5OL
30" X 36"

ROSE ST TO IH 90 WB

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

ROSE ST SB

ROSE ST NB

100' (TYP)

CLOSED

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

50' (TYP)

IH 90 WB

IH 90 EB

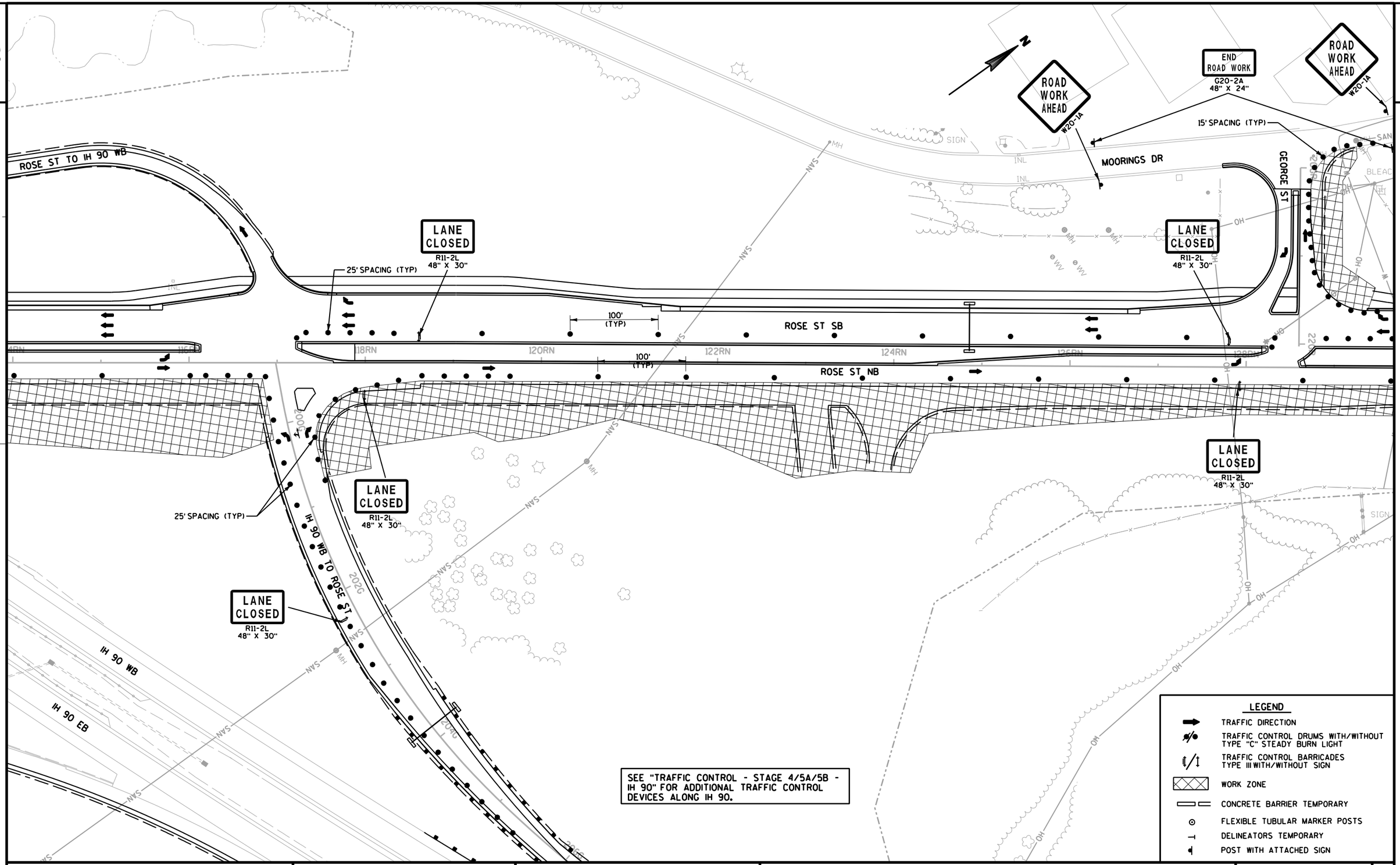
ROSE ST TO IH 90 EB

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL INFORMATION.

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 5A	SHEET 354	E



PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 5A	SHEET 355	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026802_s5a.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

LANE CLOSED
R11-2L
48" X 30"

ROAD WORK AHEAD
W20-1A

ROSE ST SB

ROSE ST NB

100' (TYP)

50' (TYP)

130RN
132RN
134RN
136RN
138RN
140RN
142RN
144RN
146RN
148RN
150RN
152RN
154RN
156RN
158RN

BLEACHERS
BURLINGTON NORTHERN & SANTA FE

LANE CLOSED
R11-2L
48" X 30"

FLASHING ARROW BOARD

END ROAD WORK
G20-2A
48" X 24"

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

W04-2L

ROAD WORK AHEAD
W20-1A

ASH ST

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

OAK FOREST DR

FILLER CAPS

CANOPY

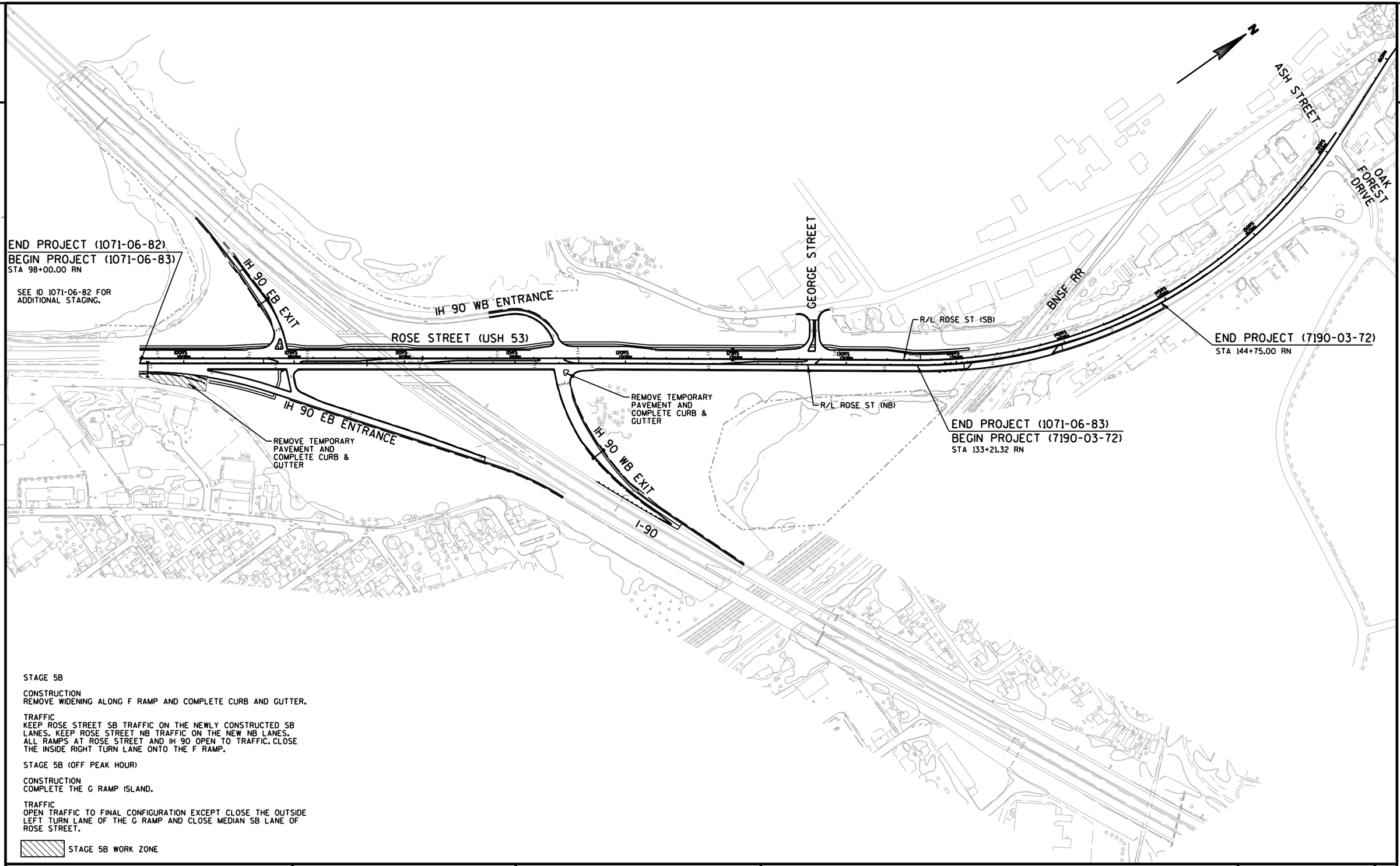
LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 5A	SHEET 356 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026803_s5a.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

2



STAGE 5B

CONSTRUCTION
REMOVE WIDENING ALONG F RAMP AND COMPLETE CURB AND GUTTER.

TRAFFIC
KEEP ROSE STREET SB TRAFFIC ON THE NEWLY CONSTRUCTED SB LANES. KEEP ROSE STREET NB TRAFFIC ON THE NEW NB LANES. ALL RAMPS AT ROSE STREET AND IH 90 OPEN TO TRAFFIC. CLOSE THE INSIDE RIGHT TURN LANE ONTO THE F RAMP.

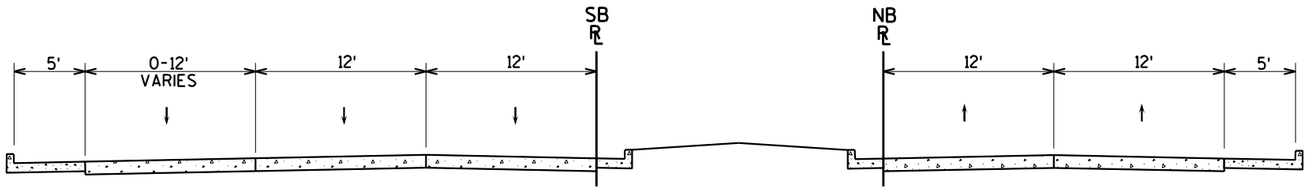
STAGE 5B (OFF PEAK HOUR)

CONSTRUCTION
COMPLETE THE G RAMP ISLAND.

TRAFFIC
OPEN TRAFFIC TO FINAL CONFIGURATION EXCEPT CLOSE THE OUTSIDE LEFT TURN LANE OF THE G RAMP AND CLOSE MEDIAN SB LANE OF ROSE STREET.

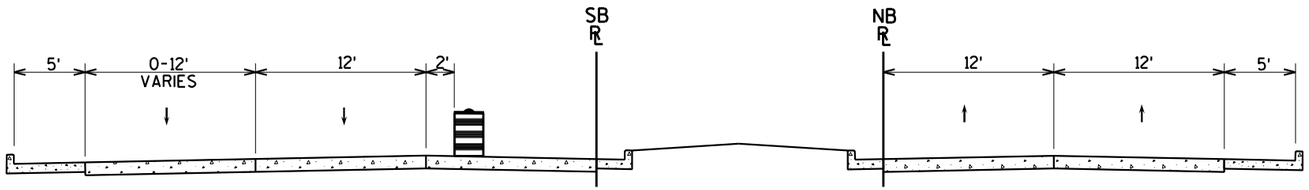
STAGE 5B WORK ZONE

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	CONSTRUCTION STAGING OVERVIEW - STAGE 5B	SHEET 357	E



STAGE 5B

STA 98+00.00 RN - STA 117+00.00 RN



STAGE 5B

STA 117+00.00 RN - STA 151+00.00 RN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS TEMPORARY - STAGE 5B	SHEET 358	E

SEE "TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

IH 90 EB TO ROSE ST

ROSE ST TO IH 90 WB

ROSE ST SB

ROSE ST NB

100RN 102RN 104RN 106RN 108RN 110RN 112RN

184F 186F 188F 190F 192F 194F 196F 198F

25' SPACING (TYP)

IH 90 WB

IH 90 EB

ROSE ST TO IH 90 EB

SS SS SS

2

2

ROSE ST TO IH 90 WB

LANE CLOSED
R11-2L
48" X 30"

25' SPACING (TYP)

100' (TYP)

ROSE ST SB

ROSE ST NB

118RN

120RN

122RN

124RN

126RN

128RN

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1A

15' SPACING (TYP)

MOORINGS DR

GEORGE ST

LANE CLOSED
R11-2L
48" X 30"

15' SPACING (TYP)

25' SPACING (TYP)

IH 90 WB TO ROSE ST

IH 90 WB

IH 90 EB

W12-1D
24" X 24"

ONLY

ONLY

COVERING SIGNS TYPE II

ONLY

W9-3B

SEE "TRAFFIC CONTROL - STAGE 4/5A/5B - IH 90" FOR ADDITIONAL TRAFFIC CONTROL DEVICES ALONG IH 90.

SIGN

SIGN

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 5B (OFF PEAK HOUR)	SHEET 360	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_026902_s5b.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

LANE CLOSED
R11-2L
48" X 30"

ROAD WORK AHEAD
W20-1A

100' (TYP)

ROSE ST SB

ROSE ST NB

130RN 132RN 134RN 136RN 138RN 140RN 142RN 144RN

LANE CLOSED
R11-2L
48" X 30"

100' (TYP)

146RN 148RN 150RN 152RN 154RN 156RN 158RN

FLASHING ARROW BOARD

50' (TYP)

END ROAD WORK
G20-2A
48" X 24"

W04-2L

SOUTH
M3-3
24" X 12"

35
M1-6
24" X 24"

ROAD WORK AHEAD
W20-1A

ASH ST

OAK FOREST DR

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

FILLER CAPS

CANOPY

BURLINGTON NORTHERN & SANTA FE

BLEACHERS

LEGEND

- TRAFFIC DIRECTION
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT SIGN
- WORK ZONE
- CONCRETE BARRIER TEMPORARY
- FLEXIBLE TUBULAR MARKER POSTS
- DELINEATORS TEMPORARY
- POST WITH ATTACHED SIGN

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 5B	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_026903_s5b.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

2

CTH BW

CTH B

PCMS
SITE E2

END DETOUR
M4-8A
24" X 18"

DETOUR
M4-8
24" X 12"

TO
M4-5
24" X 12"

EAST
M3-2
24" X 12"

90
M1-1
24" X 24"

DETOUR
M4-8
24" X 12"

TO
M4-5
24" X 12"

EAST
M3-2
24" X 12"

90
M1-1
24" X 24"

35
M1-6
24" X 24"

M1-96
24" X 24"

M06-1
21" X 21"

DETOUR
M4-8
24" X 12"

TO
M4-5
24" X 12"

EAST
M3-2
24" X 12"

NORTH
M3-1
24" X 12"

90
M1-1
24" X 24"

35
M1-6
24" X 24"

M1-96
24" X 24"

M05-1R
21" X 21"

DETOUR
M4-8
36" X 18"

TO
M4-5
36" X 18"

EAST
M3-2
36" X 18"

NORTH
M3-1
36" X 18"

90
M1-1
36" X 36"

35
M1-6
36" X 36"

M1-96
36" X 36"

M06-2
30" X 30"

M05-2R
30" X 30"

IH 90 WB

IH 90 EB

PCMS
SITE E6

BLACK RIVER

PCMS
SITE W7

Amtrak Station
EXIT 3A

Great River State Trail
EXIT 3B

USH 53/STH 35/ROSE ST

RAMP CLOSED

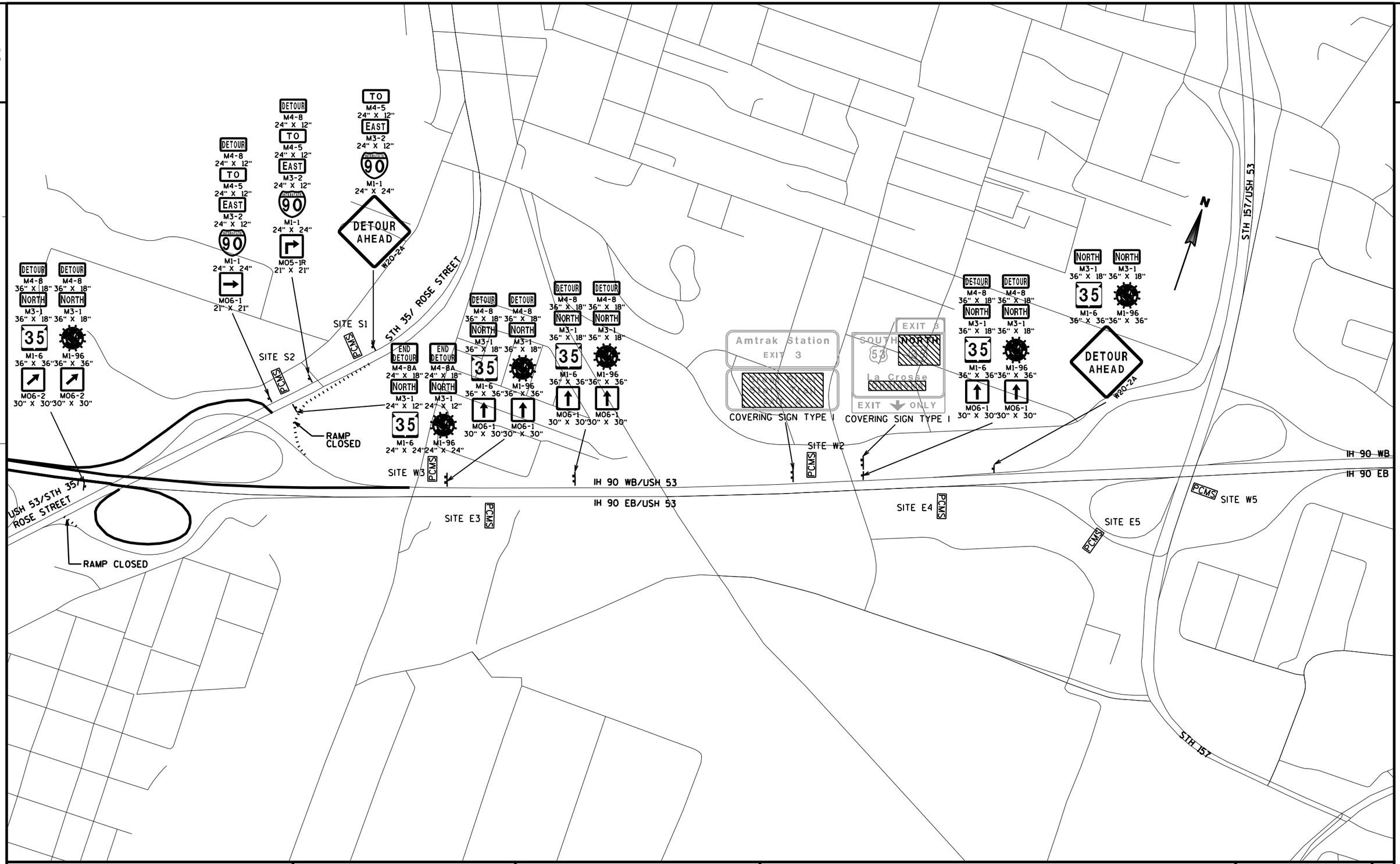
PCMS
SITE N2

PCMS
SITE N1

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET RAMP DETOURS (STAGE 1B)	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027001_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET RAMP DETOURS (STAGE 1B)	SHEET 363	E

2

2

N

CTH BW

CTH B

PCMS
SITE E2

IH 90 WB

IH 90 EB

PCMS
SITE E6

BLACK RIVER

PCMS
SITE W7

ROADS CLOSED

RAMP CLOSED

USH 53/STH 35/ROSE ST

PCMS
SITE N2

PCMS
SITE N1

113 114

EXIT 3A

SOUTH SOUTH SOUTH
53 35
La Crosse
Onalaska
¾ MILE

NORTH NORTH
M3-1 M3-1
36" X 18" 36" X 18"
35
M1-6 M1-96
36" X 36" 36" X 36"

DETOUR AHEAD
W20-2A

Amtrak Station
EXIT 3A

Great River
State Trail

USE NORTH 35 DETOUR

115

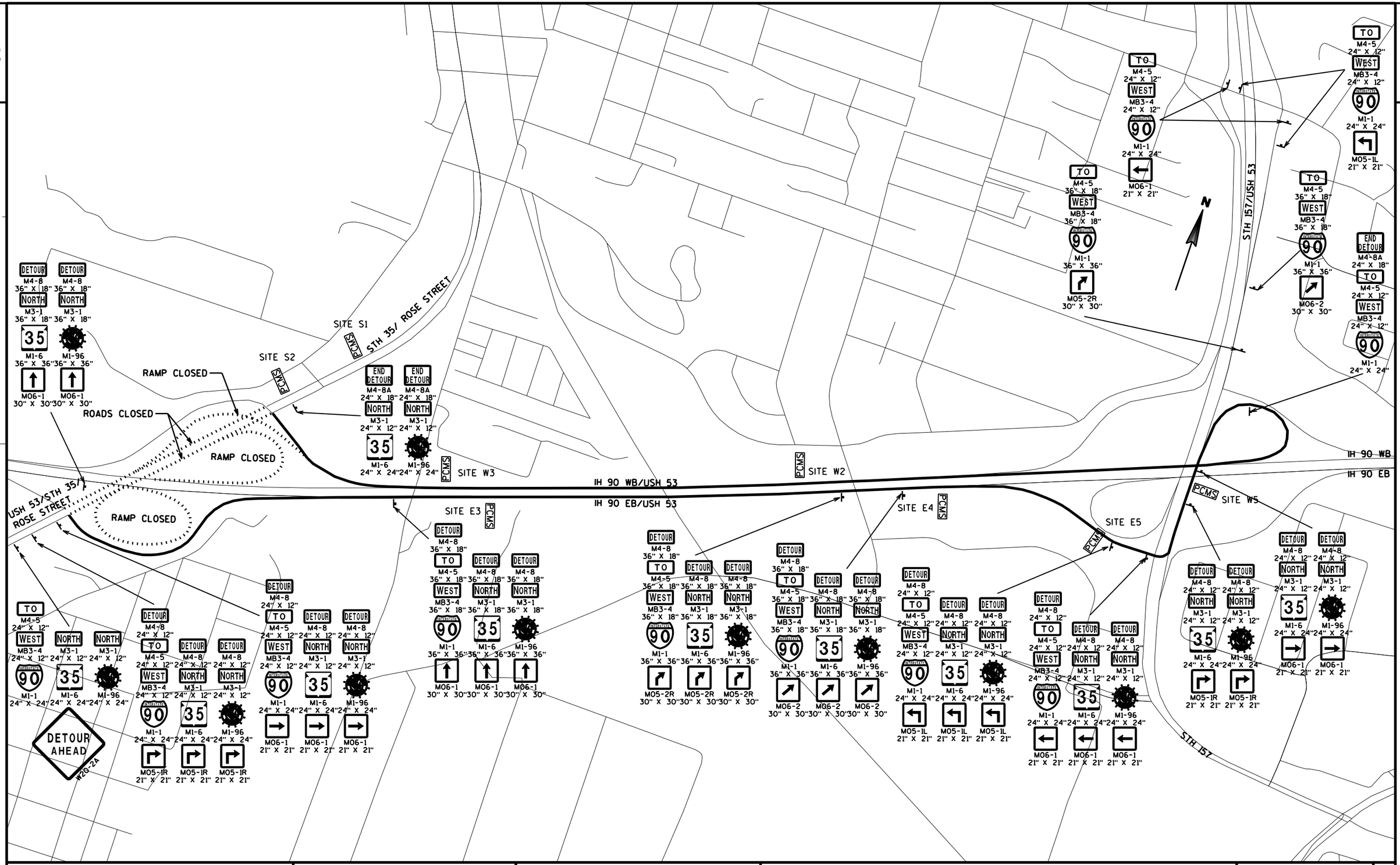
DETOUR DETOUR
M4-8 M4-8
36" X 18" 36" X 18"
NORTH NORTH
M3-1 M3-1
36" X 18" 36" X 18"
35
M1-6 M1-96
36" X 36" 36" X 36"
M06-1 M06-1
30" X 30" 30" X 30"

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	STH 35 NORTHBOUND DETOUR (STAGE 1C)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027003_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

WISDOT/CADDS SHEET 42

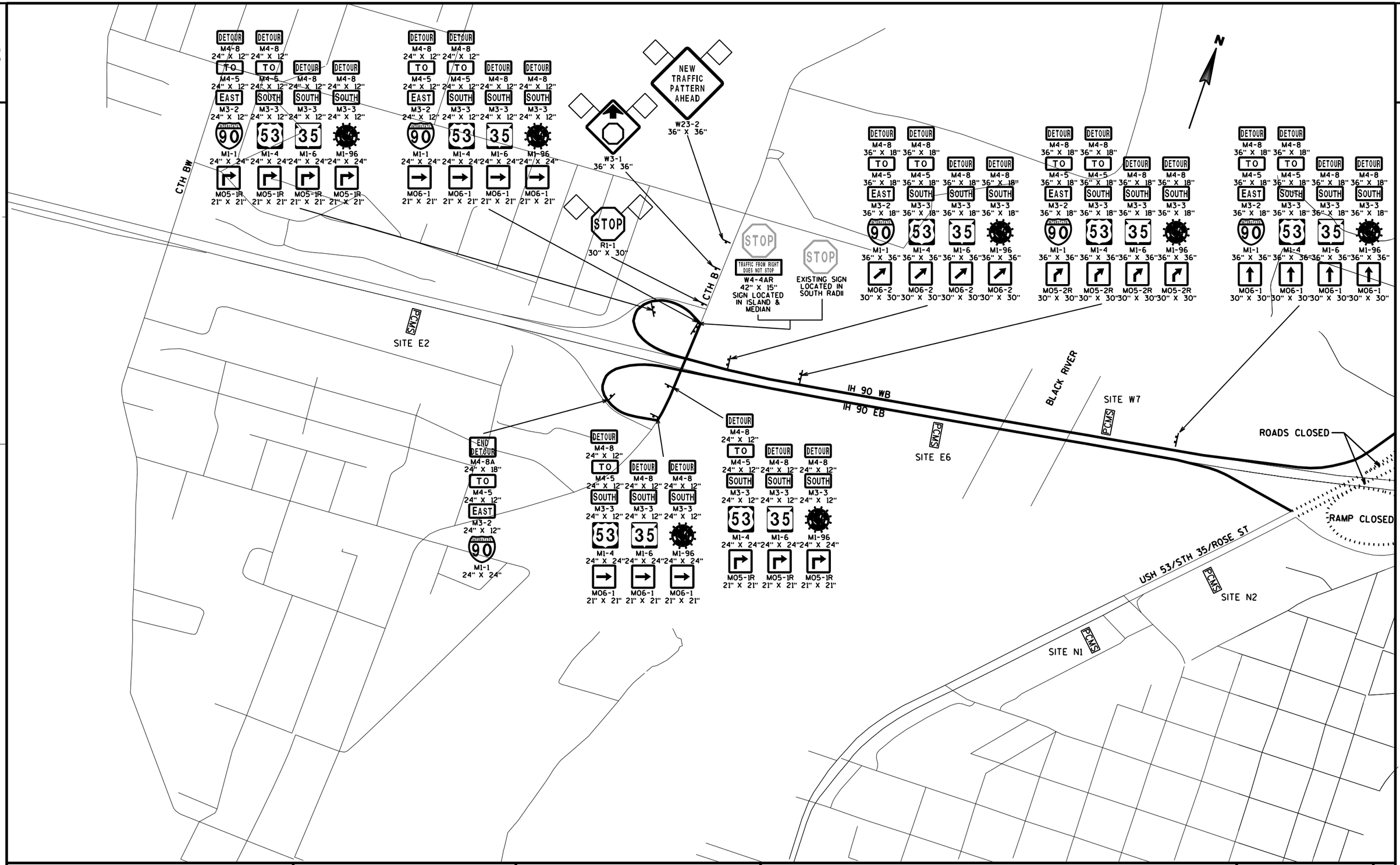
2



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	STH 35 NORTHBOUND DETOUR (STAGE 1C)	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027004_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

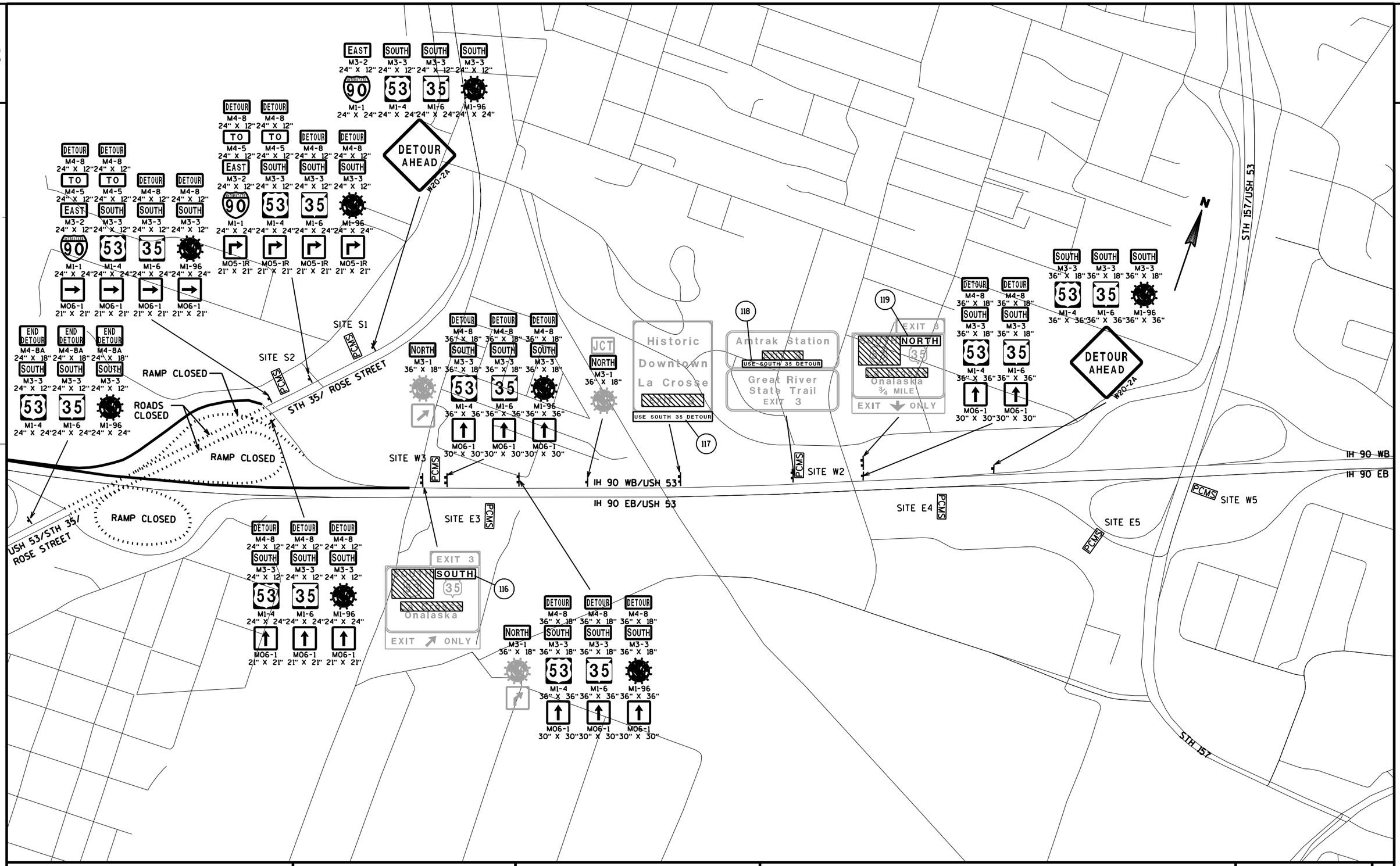
WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	STH 35 SOUTHBOUND DETOUR (STAGE 1C)	SHEET 366	E

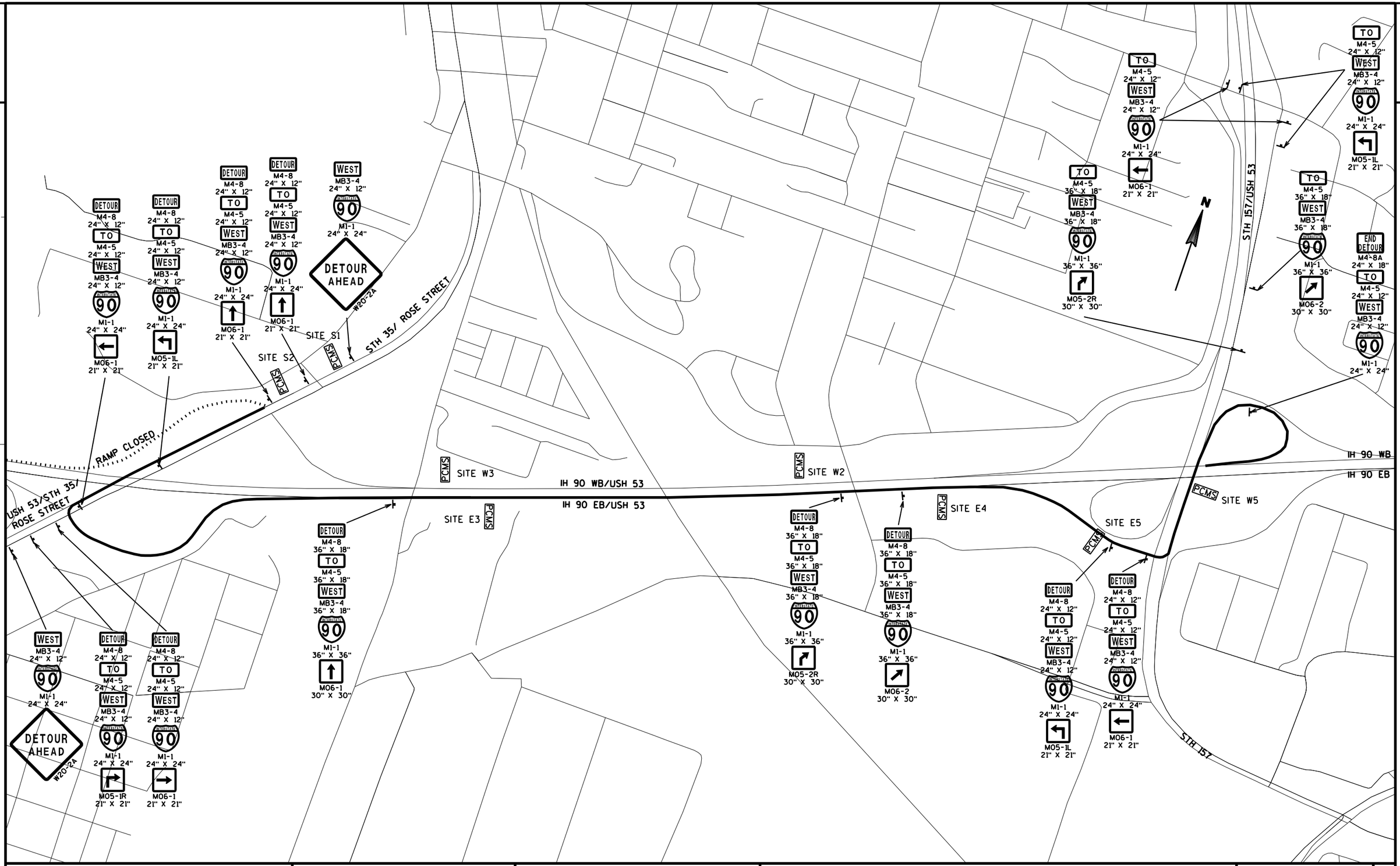
FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\dd_0682_027005_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	STH 35 SOUTHBOUND DETOUR (STAGE 1C)	SHEET 367	E

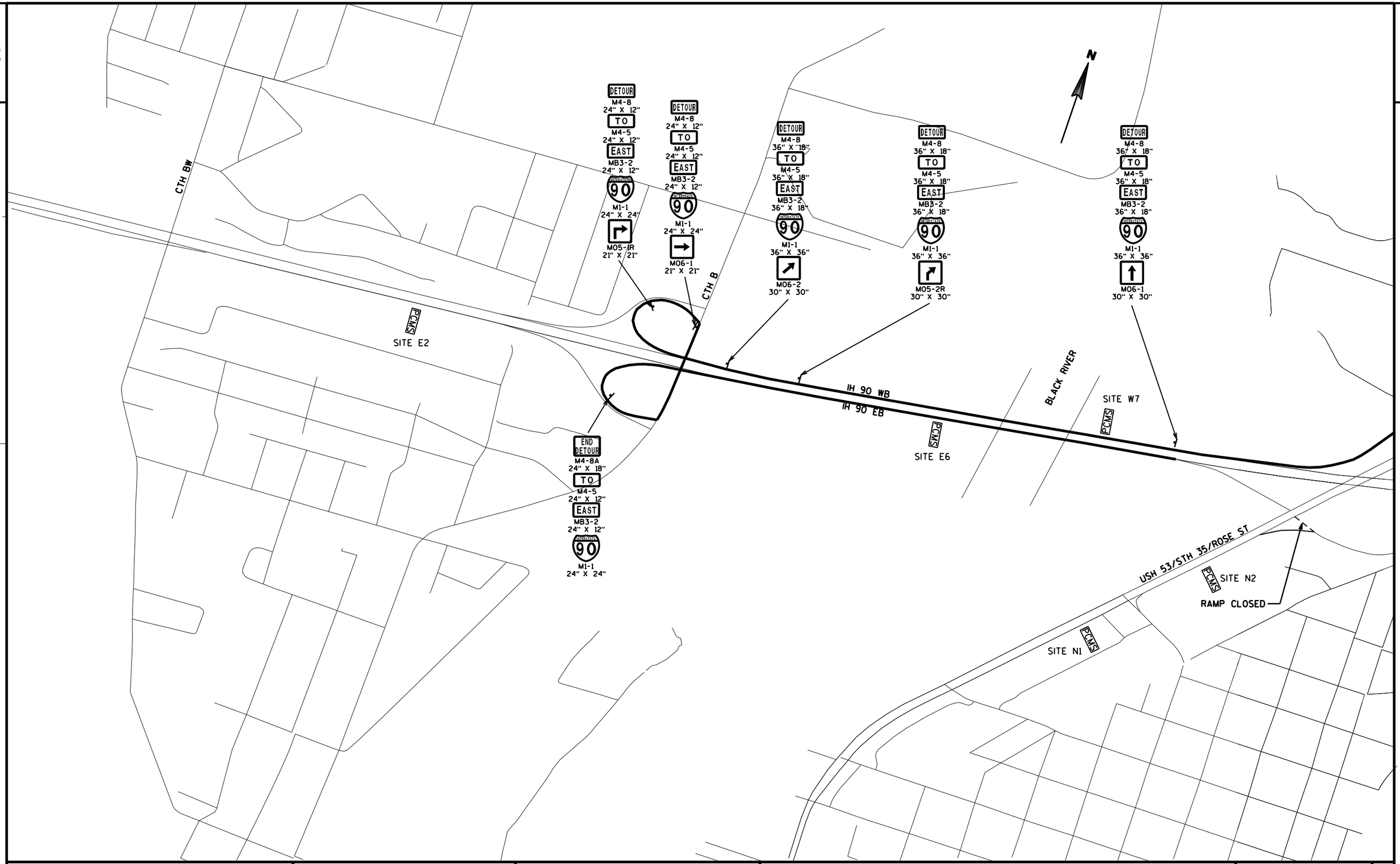
FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027006_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET TO IH 90 WB RAMP DETOUR (STAGE 2A)	SHEET E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027007_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

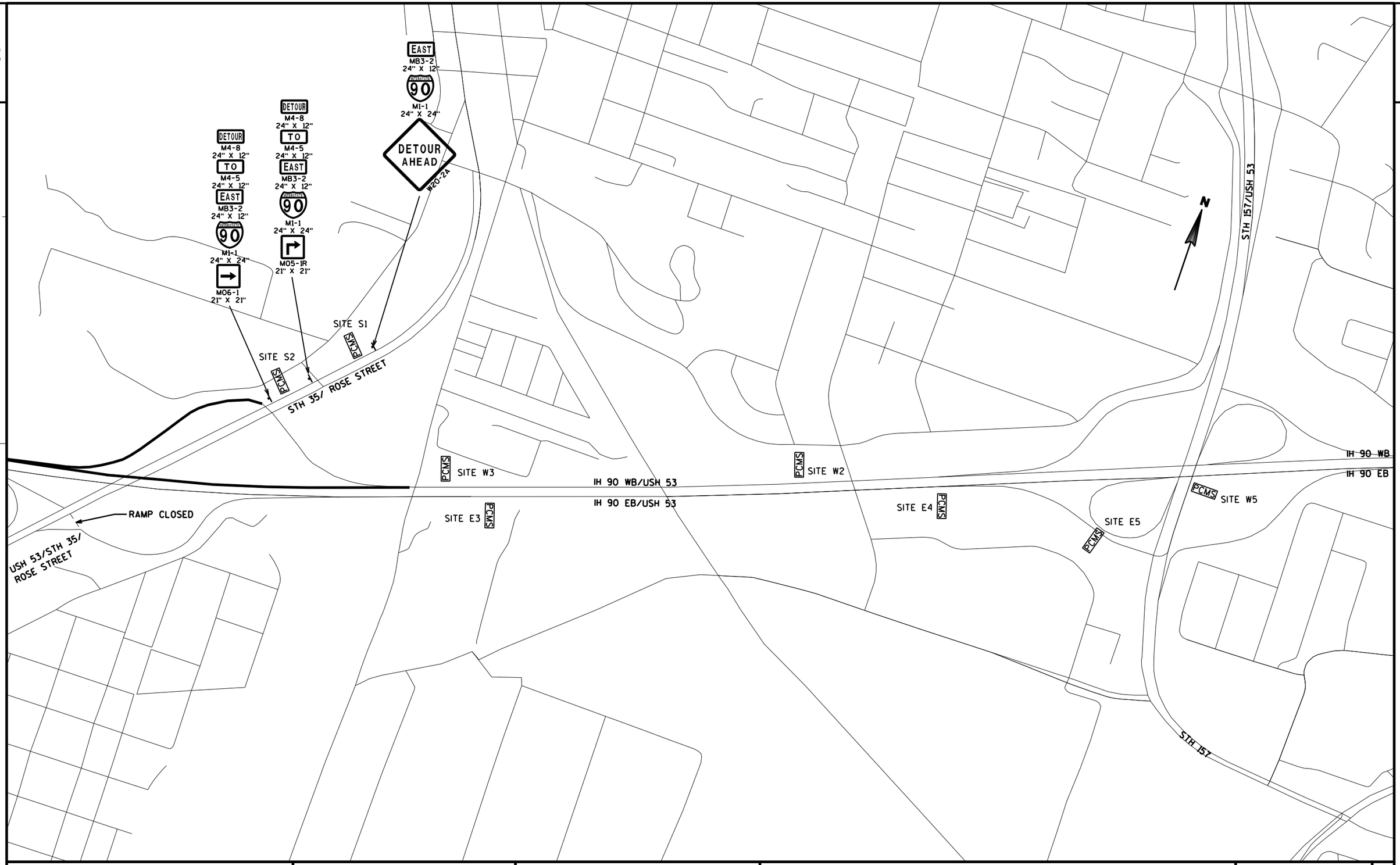
WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET SB TO IH 90 EB RAMP DETOUR (STAGE 2B)	SHEET 369 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027008_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET SB TO IH 90 EB RAMP DETOUR (STAGE 2B)	SHEET 370	E

2

2

N

CTH BW

CTH B

PCMS
SITE E2

IH 90 WB

IH 90 EB

Historic
Downtown
La Crosse
EXIT 3

BLACK RIVER

PCMS
SITE W7

PCMS
SITE E6

EXIT 3
SOUTH
53 35
La Crosse
Onalaska
3/4 MILE

NORTH
M3-1
36" X 18"

NORTH
M3-1
36" X 18"

35
M1-6
36" X 36"

M1-96
36" X 36"

DETOUR AHEAD
W20-2A

Amtrak Station
EXIT 3

Coast Guard
Static Trail
EXIT 3

COVERING SIGN TYPE I

TOURIST
INFO

HOSPITAL
EXIT 3

DETOUR
M4-8
36" X 18"

TO
M4-5
36" X 18"

NORTH
M3-1
36" X 18"

35
M1-6
36" X 36"

M1-96
36" X 36"

M06-1
30" X 30"

RAMP CLOSED

RAMP OPEN

USH 53/STH 35/ROSE ST

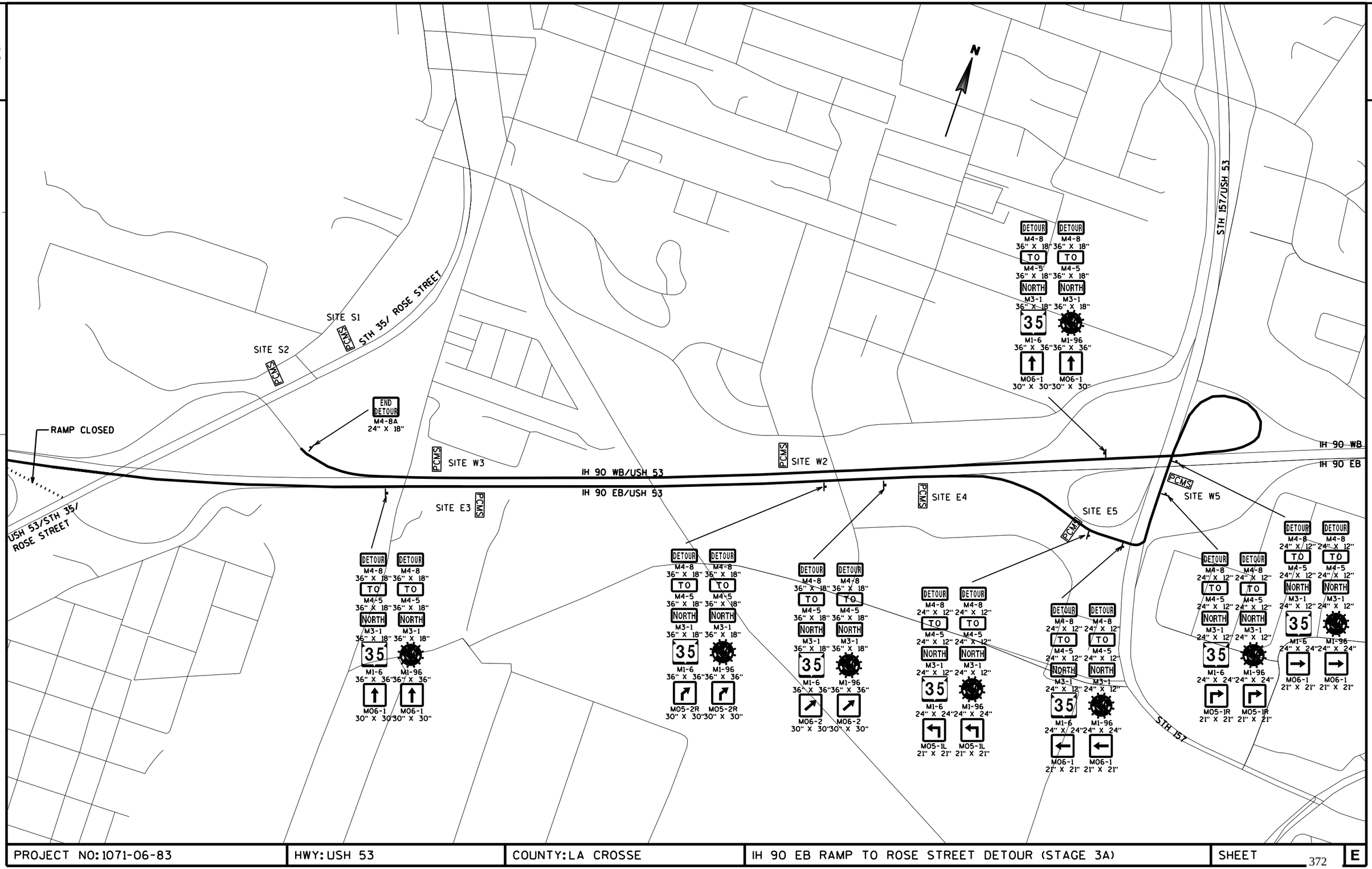
PCMS
SITE N2

PCMS
SITE N1

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	IH 90 EB RAMP TO ROSE STREET NB (STAGE 3A)	SHEET 371	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027010_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

WISDOT/CADDS SHEET 42



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	IH 90 EB RAMP TO ROSE STREET DETOUR (STAGE 3A)	SHEET 372	E

2

N

DETOUR
M4-8
24" X 12"
TO
M4-5
24" X 12"
EAST
MB3-2
24" X 12"
90
M1-1
24" X 24"
M05-1R
21" X 21"

DETOUR
M4-8
24" X 12"
TO
M4-5
24" X 12"
EAST
MB3-2
24" X 12"
90
M1-1
24" X 24"
M06-1
21" X 21"

DETOUR
M4-8
36" X 18"
TO
M4-5
36" X 18"
EAST
MB3-2
36" X 18"
90
M1-1
36" X 36"
M06-2
30" X 30"

DETOUR
M4-8
36" X 18"
TO
M4-5
36" X 18"
EAST
MB3-2
36" X 18"
90
M1-1
36" X 36"
M05-2R
30" X 30"

DETOUR
M4-8
36" X 18"
TO
M4-5
36" X 18"
EAST
MB3-2
36" X 18"
90
M1-1
36" X 36"
M06-1
30" X 30"

END
DETOUR
M4-8A
24" X 18"
TO
M4-5
24" X 12"
EAST
MB3-2
24" X 12"
90
M1-1
24" X 24"

CTH BW

CTH B

PCMS
SITE E2

IH 90 WB

IH 90 EB

BLACK RIVER

PCMS
SITE E6

PCMS
SITE W7

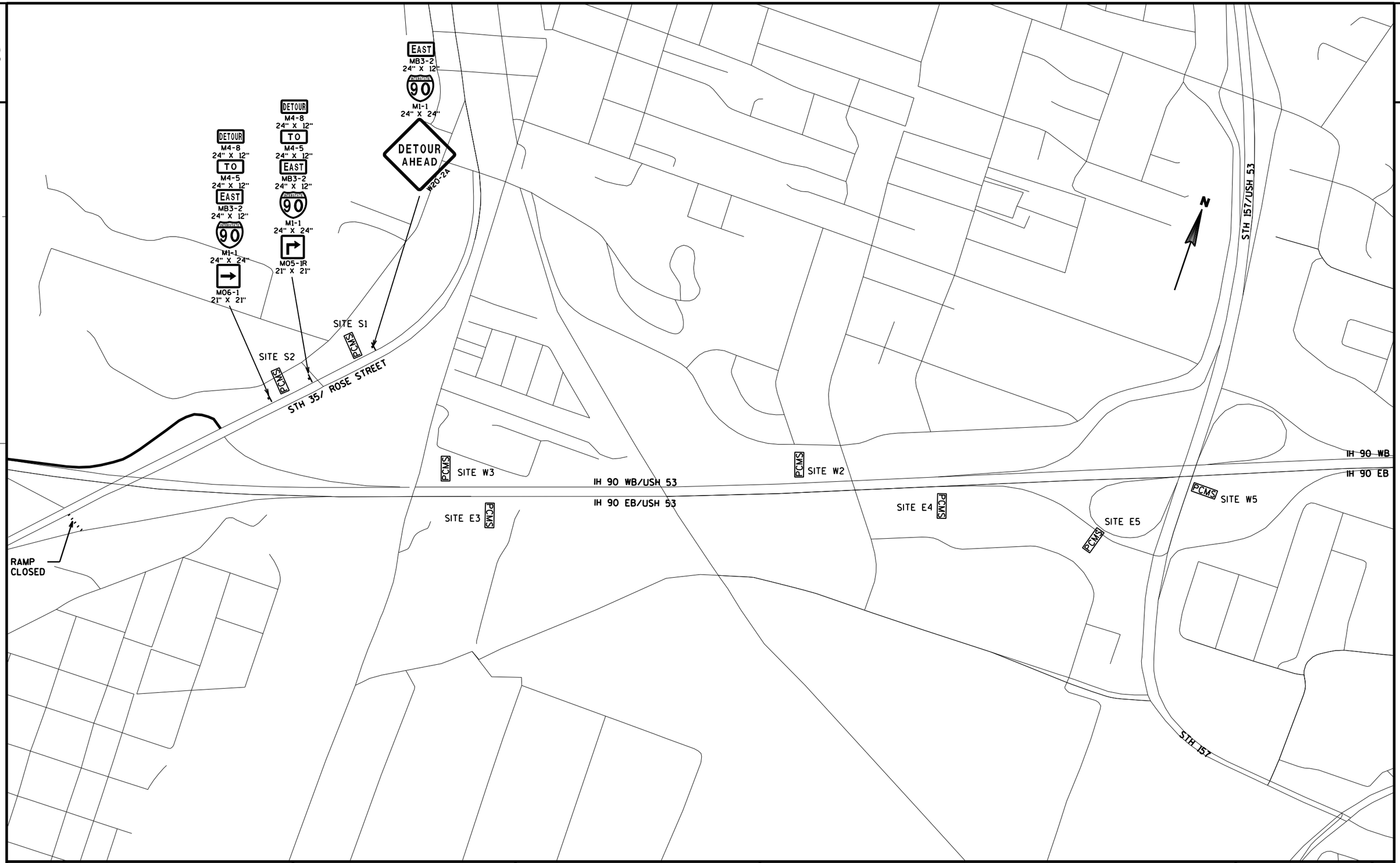
USH 53/STH 35/ROSE ST

RAMP
CLOSED

PCMS
SITE N2

PCMS
SITE N1

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET SB TO IH 90 EB RAMP DETOUR (STAGE 5A)	SHEET 373	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ROSE STREET SB TO IH 90 EB RAMP DETOUR (STAGE 5A)	SHEET 374	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027014_dt.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:2400

WISDOT/CADDS SHEET 42

SEE SDD "FENCE CHAIN LINK"
FOR ADDITIONAL INFORMATION.

BLACK RIVER

EXISTING FENCE TO REMAIN

STA 183+37.10 E, 44.0' RT
MATCH EXISTING FENCE

FENCE CHAIN LINK 6-FT

STA 189+56.43 E,
77.6' RT

EXISTING FENCE
TO REMAIN

STA 198+34.00 H,
40.6' LT

STA 197+00.00 H, 35.0' LT
MATCH EXISTING FENCE

FENCE CHAIN LINK 6-FT

250' RAD

STA 200+90.00 H,
99.5' LT

ROSE ST

STA 187+53.09 F,
30.5' RT

STA 187+53.09 F, 118' RT
MATCH EXISTING FENCE

STA 189+90.00 F,
30.5' RT

EXISTING FENCE
TO REMAIN

IH 90 WB

IH 90 EB

STA 200+17.80 G,
124' LT

100' FROM EDGE OF LANE

FENCE CHAIN LINK 6-FT

STA 206+04.80 G,
100' LT

MATCH TO
STRUCTURE

STA 132+85.42 RN, 137.7' RT
MATCH EXISTING FENCE

FENCE CHAIN LINK 6-FT

STA 134+56.11 RN, 138.3' RT

EXISTING FENCE TO REMAIN

STA 209+67.86 G, 196.1' LT
MATCH EXISTING FENCE

STA 208+79.00 G, 100' LT

GATES CHAIN LINK 12-FT
MATCH EXISTING ENTRANCE
LOCATION

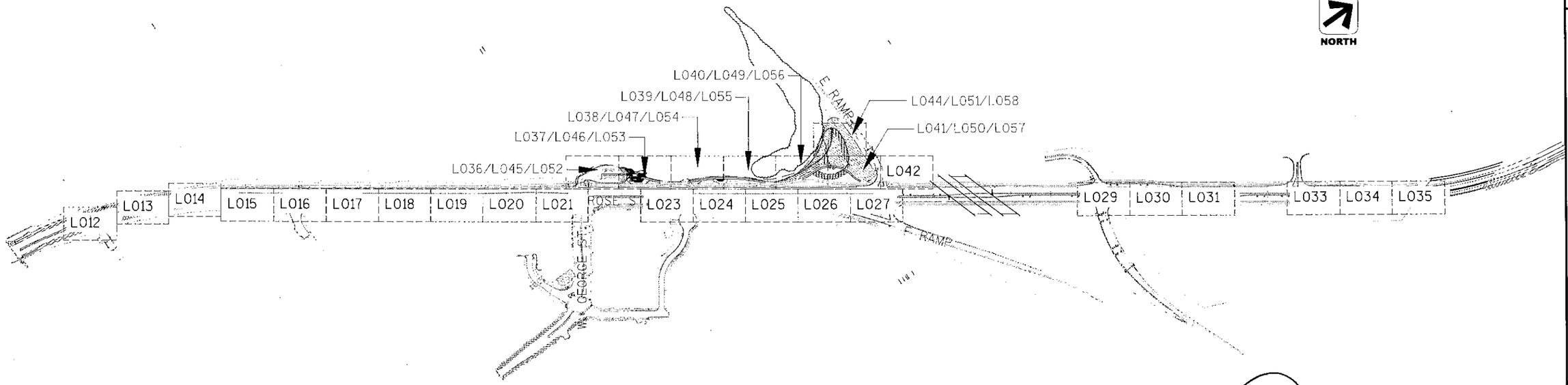
STA 200+99.42 F, 131' RT
MATCH EXISTING FENCE

BNSF RR

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	FENCING DETAIL	SHEET	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_027101_fn.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:300
WISDOT/CADDS SHEET 42

2

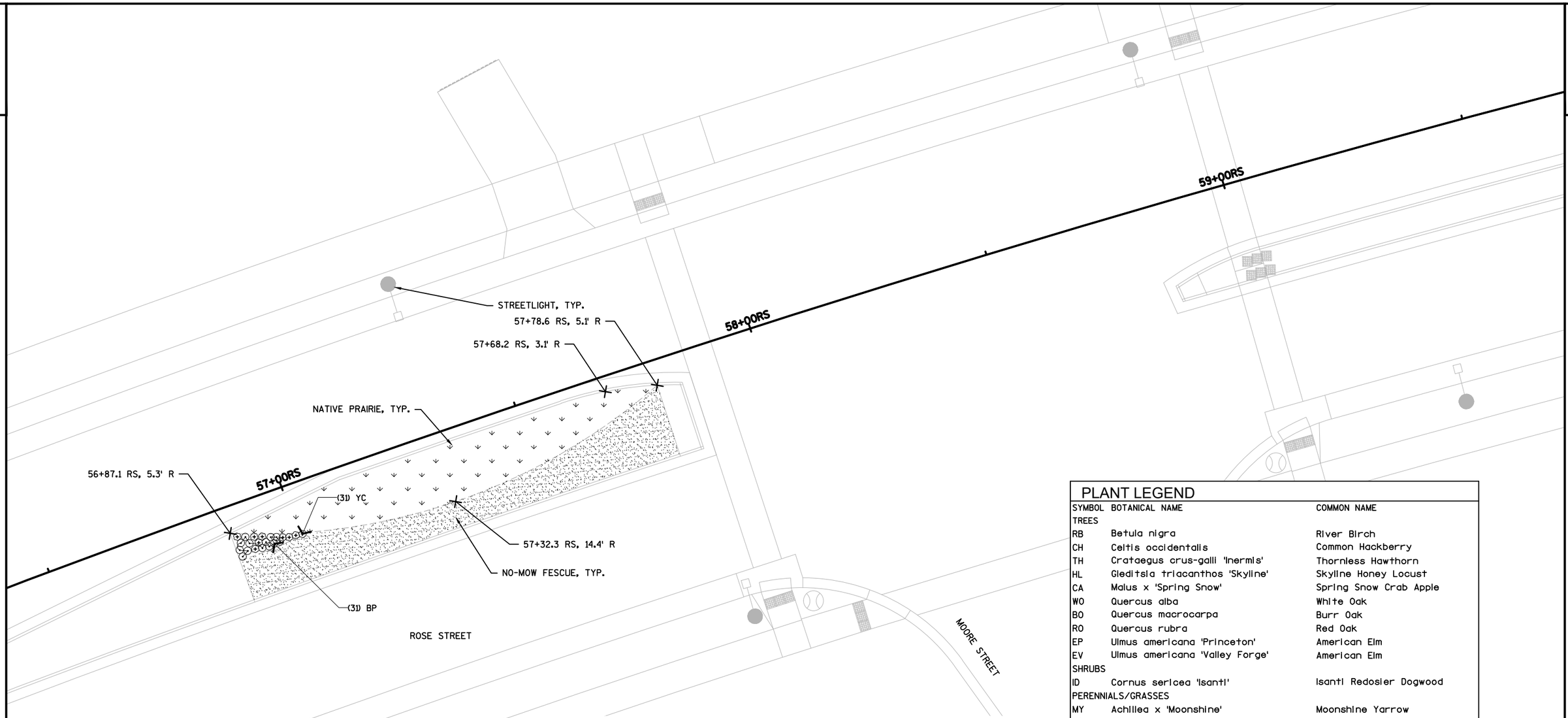


WISCONSIN
PHILIP A. JOHNSON
105
EAU CLAIRE
WI
LANDSCAPE ARCHITECT

9.8.2016

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	OVERALL LANDSCAPE SHEET LAYOUT	SHEET 376 E

2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

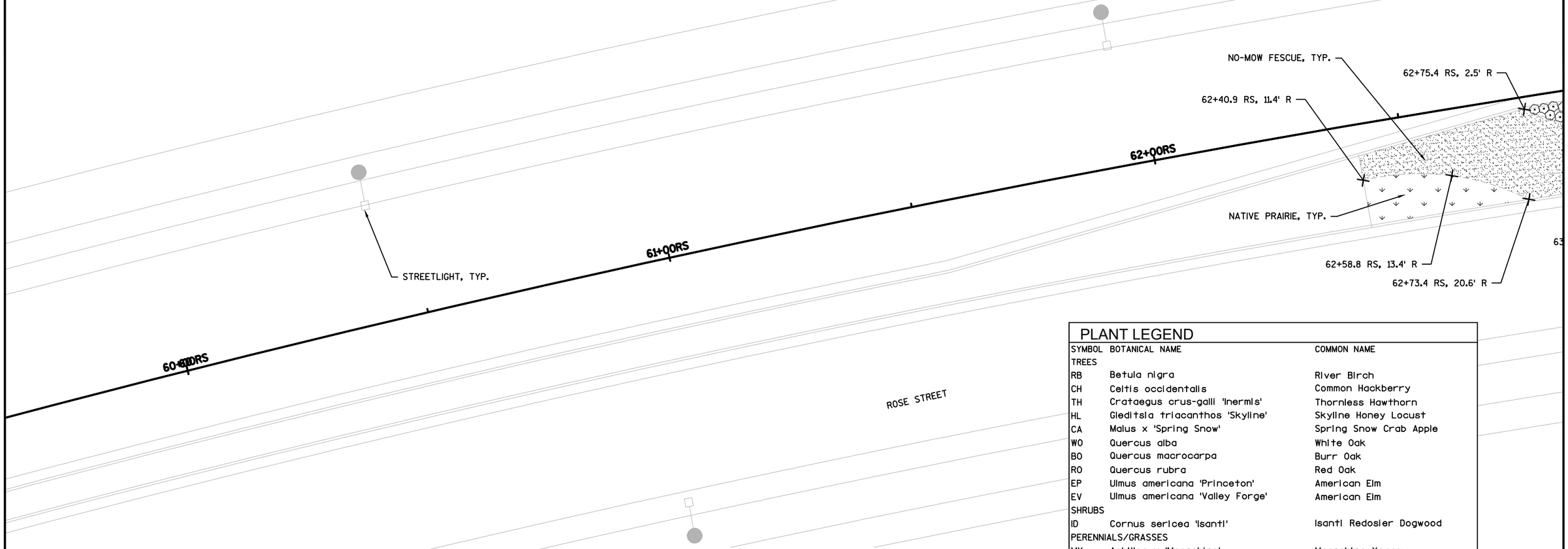
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L012

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 377 E

2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

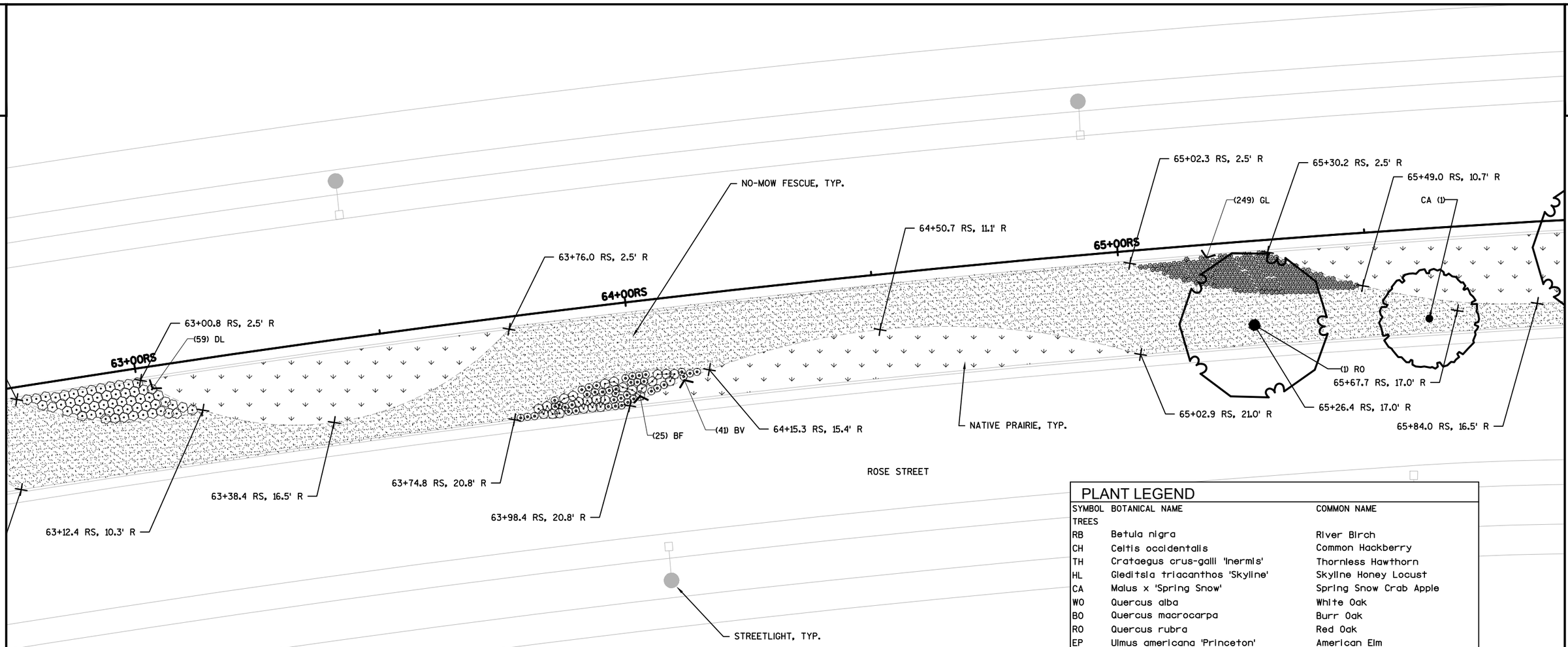
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L013

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 378	E

2



PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

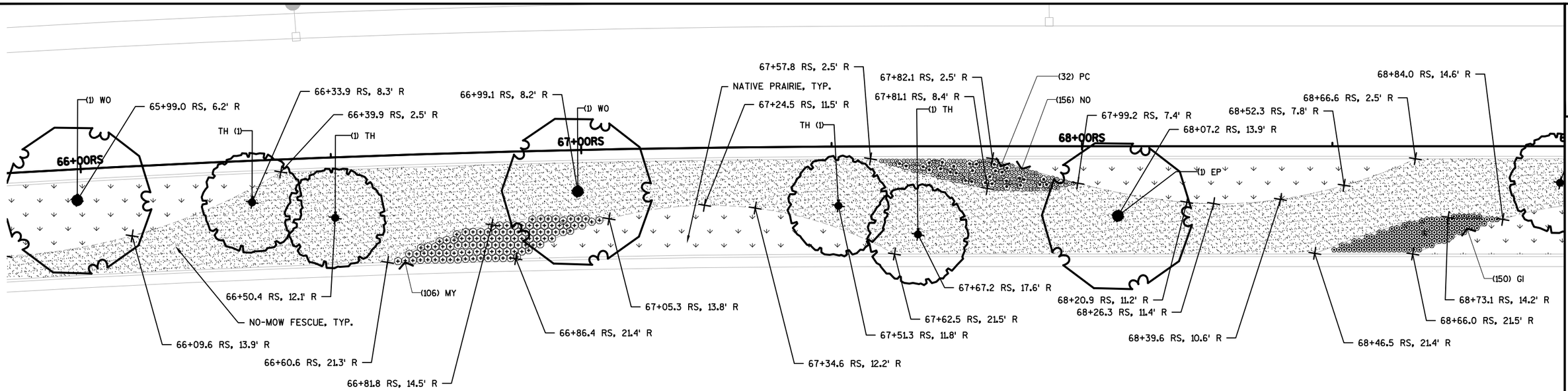
LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

L014

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 379	E

2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

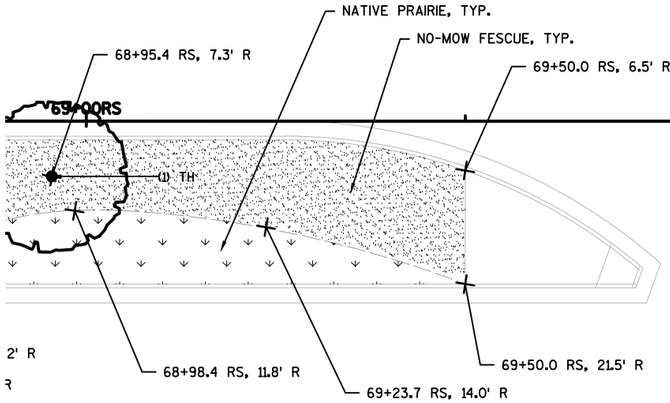
PLANT LEGEND

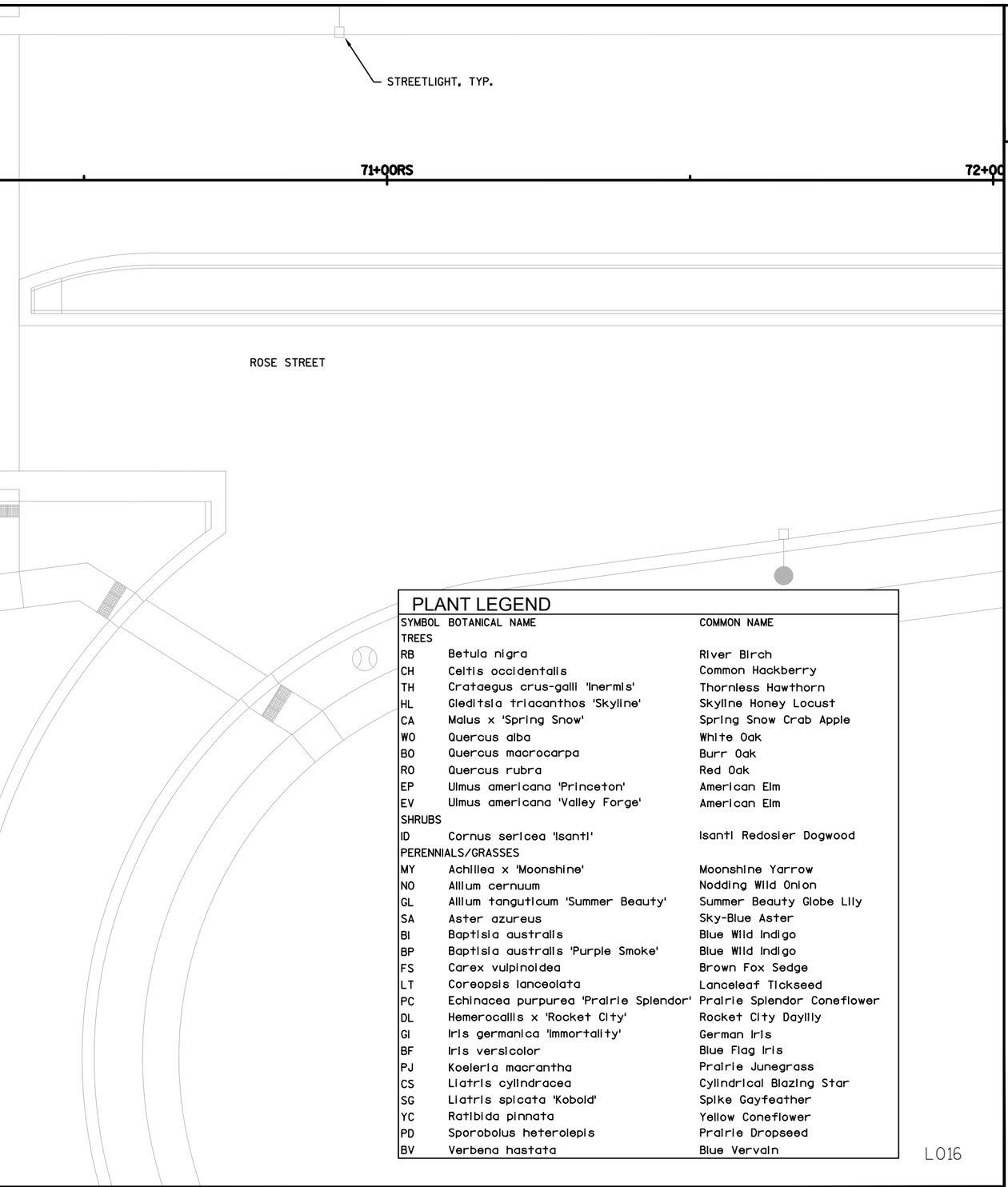
SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L015

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 380	E

2





NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH 0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

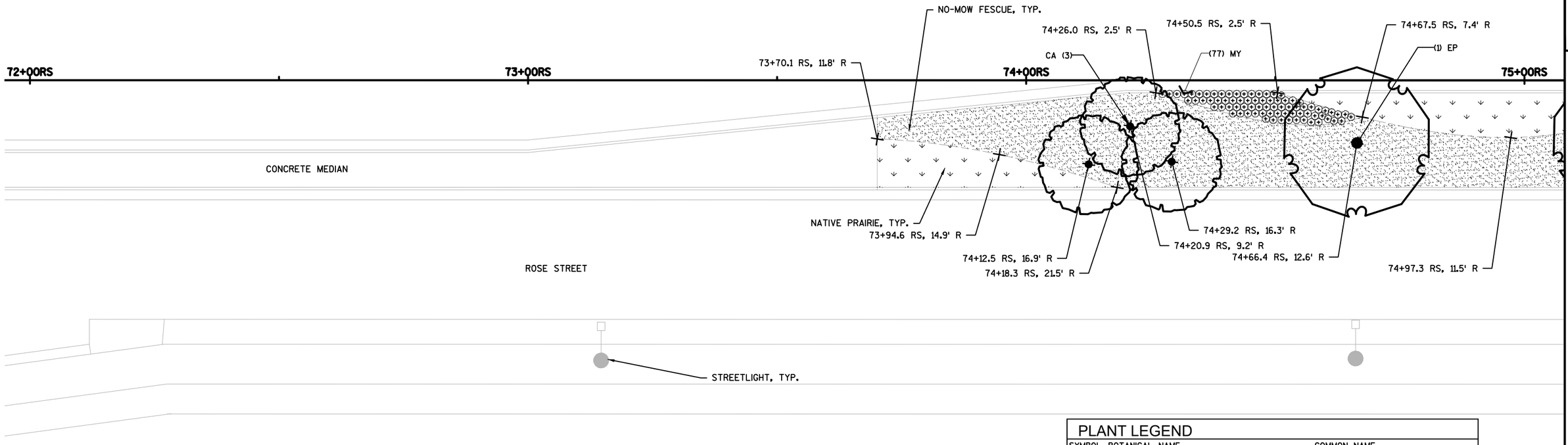
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L016

PROJECT NO:	1071-06-83	HWY:	USH 53	COUNTY:	LA CROSSE	LANDSCAPE PLAN	SHEET	381	E

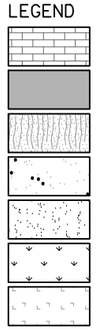
FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 16
PLOT DATE : 9/29/2016 1:42 PM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND



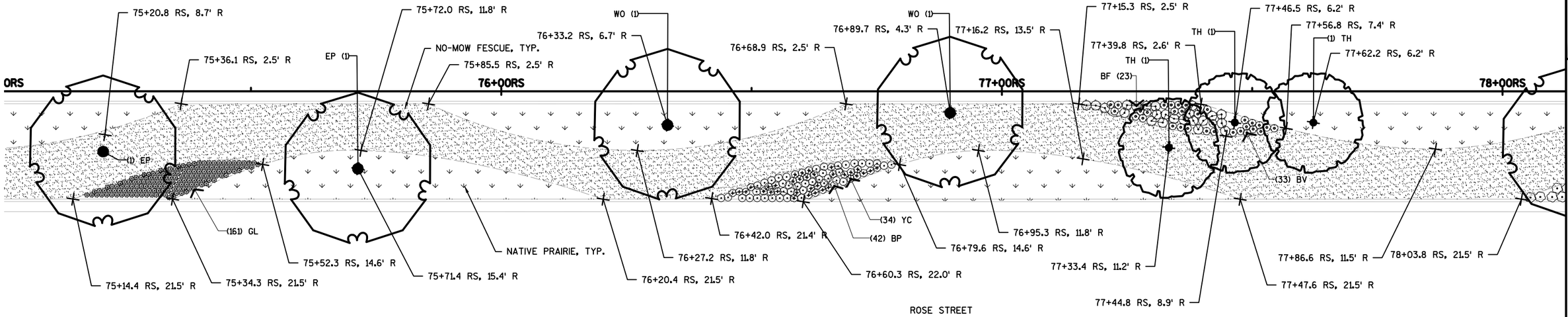
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L017

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 382	E

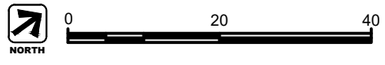
FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 17
PLOT DATE : 9/29/2016 1:42 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42



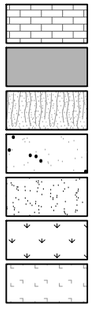
2

STREETLIGHT, TYP.

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND



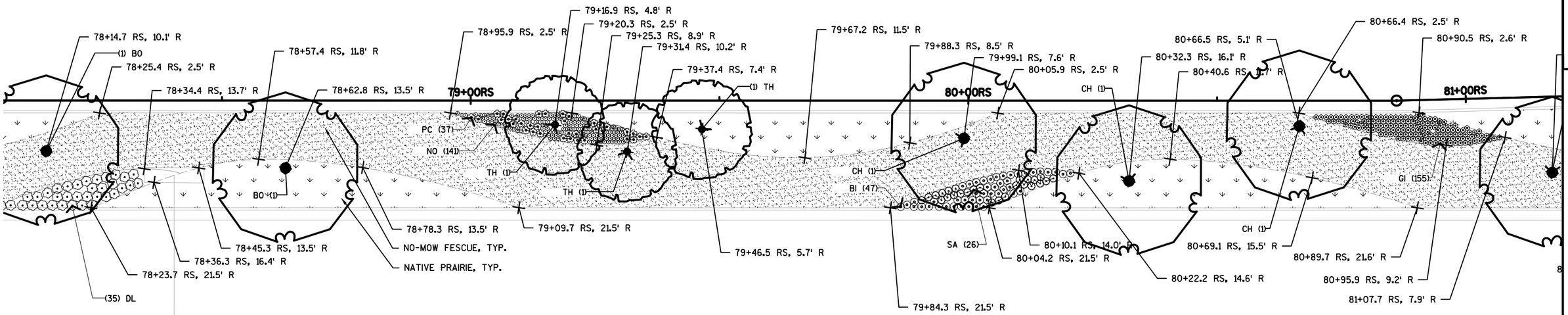
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L018

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 383	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 18
PLOT DATE : 9/29/2016 1:42 PM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42



NOTES:

1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS. FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

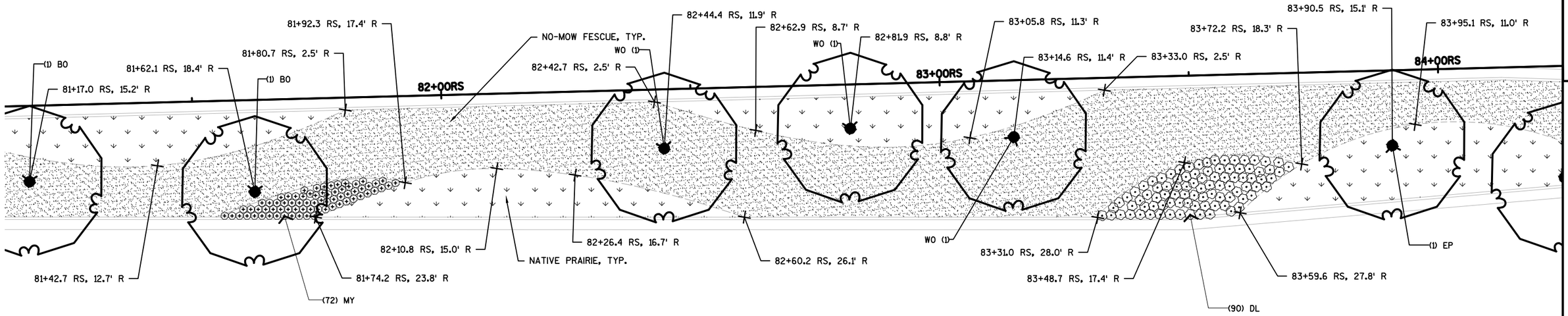
- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L019

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 384	E



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

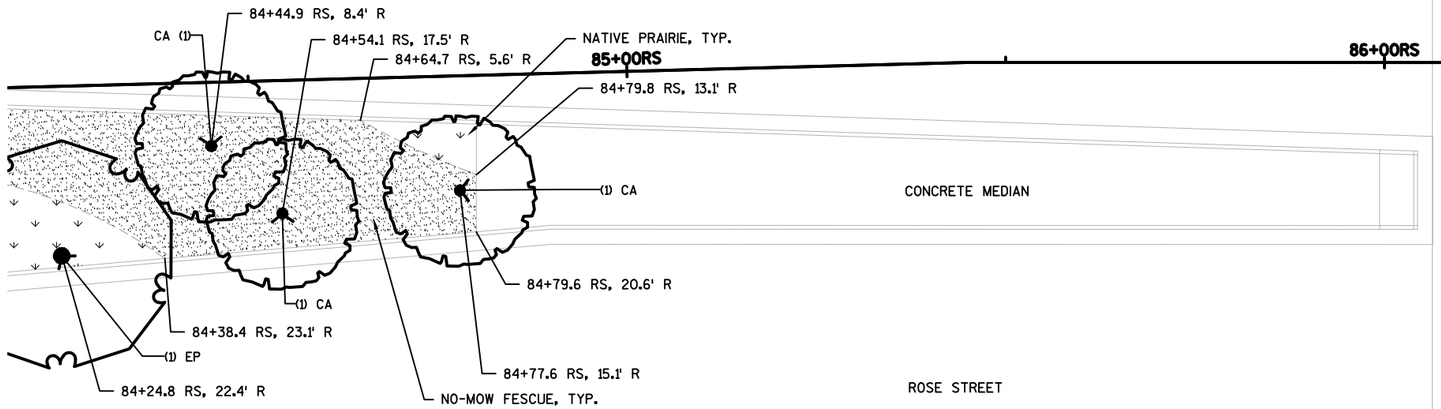
- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

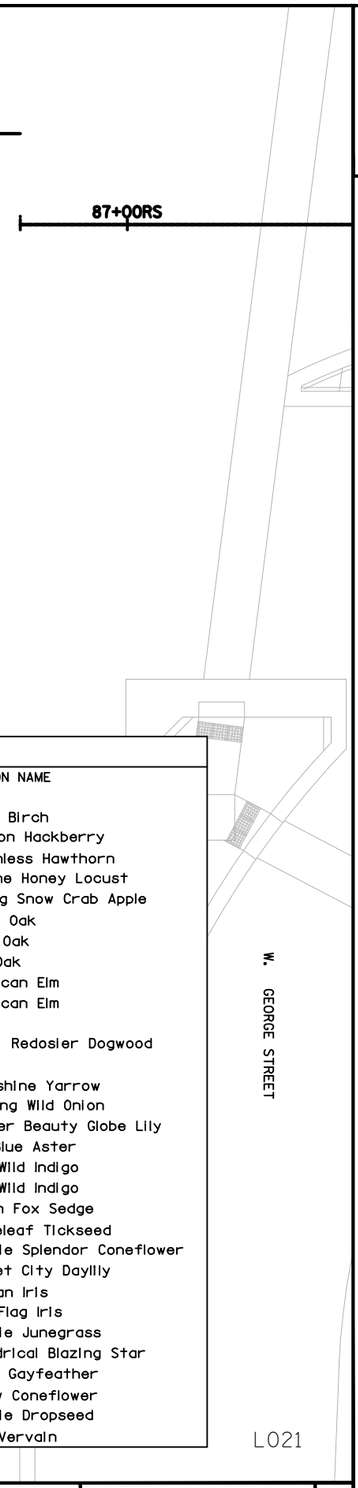
PLANT LEGEND

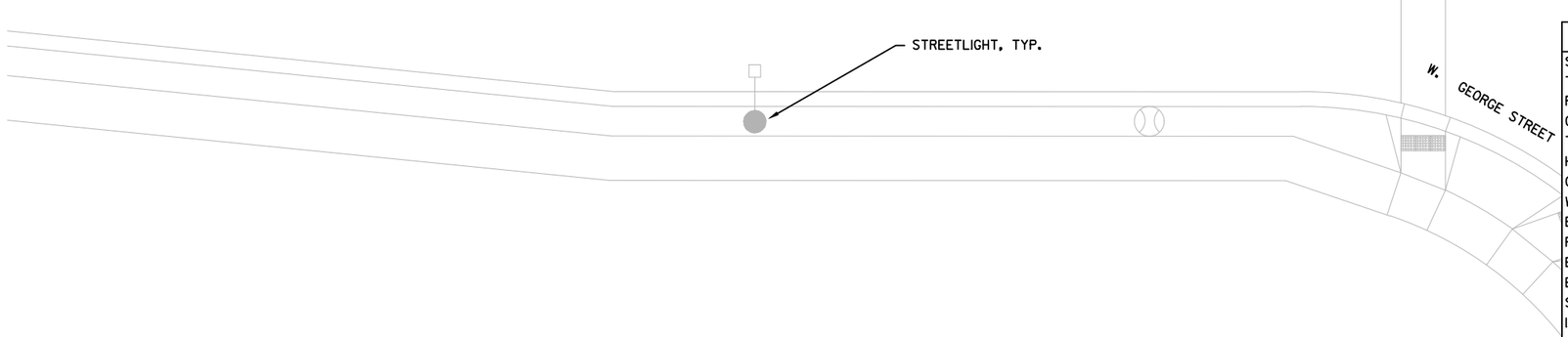
SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L020

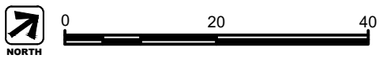
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 385	E



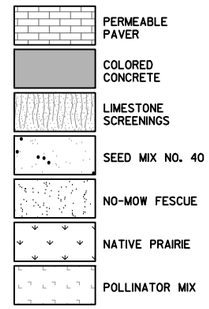




NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND



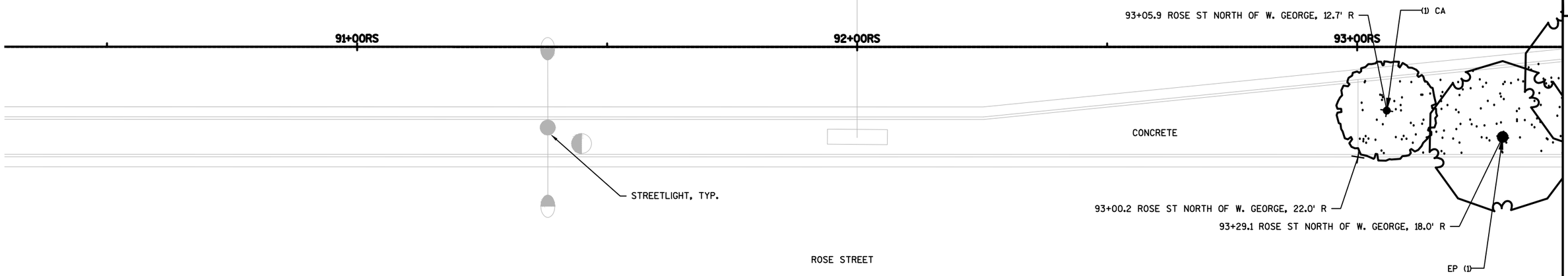
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

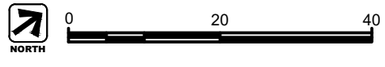
L021

PROJECT NO:	HWY:	COUNTY:		SHEET	
1071-06-83	USH 53	LA CROSSE	LANDSCAPE PLAN	386	E

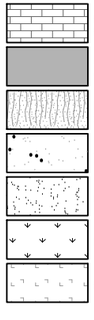
2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND

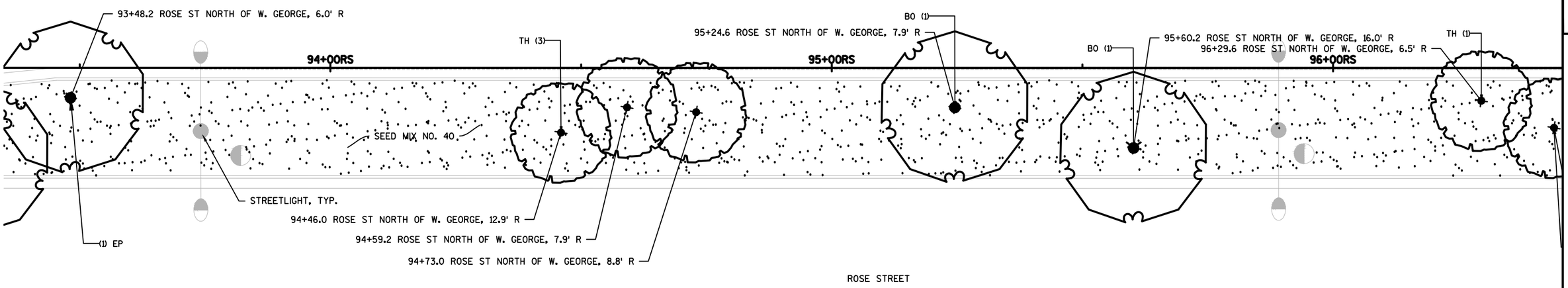


PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L023

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 387	E

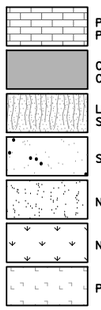


ROSE STREET

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND

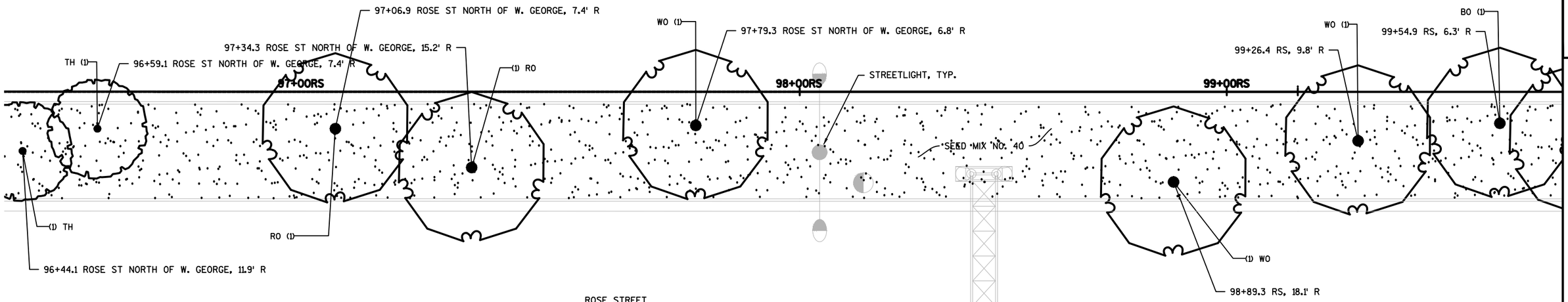


PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L024

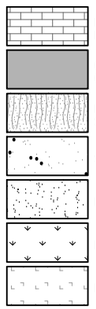
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 388	E



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND

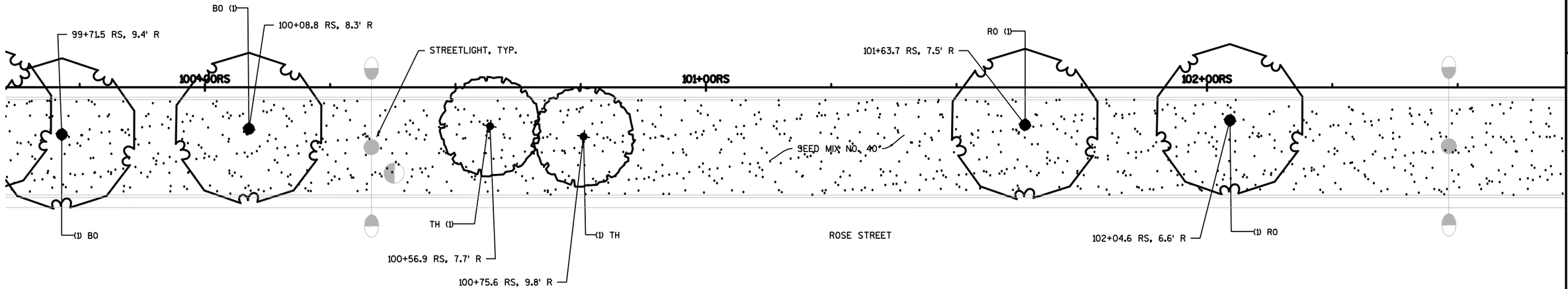


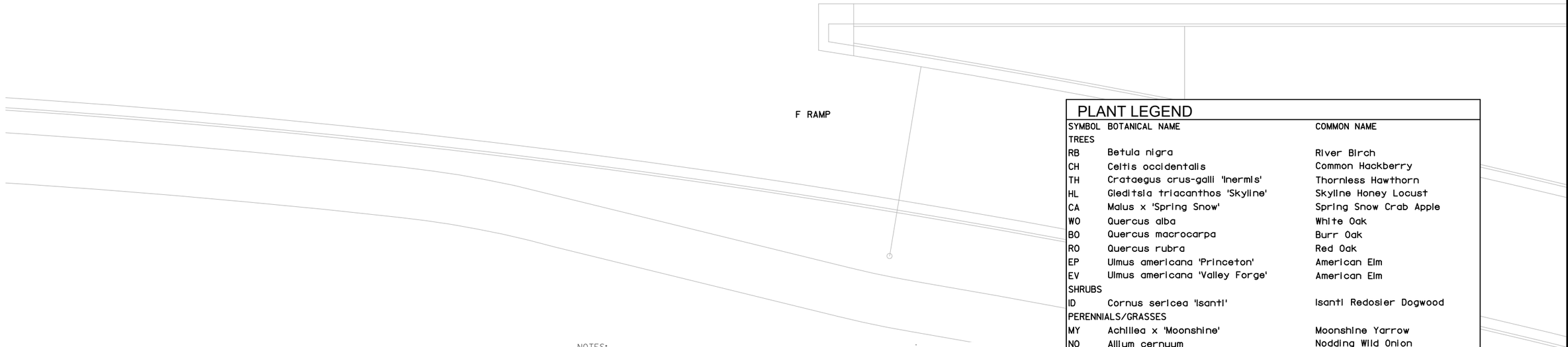
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

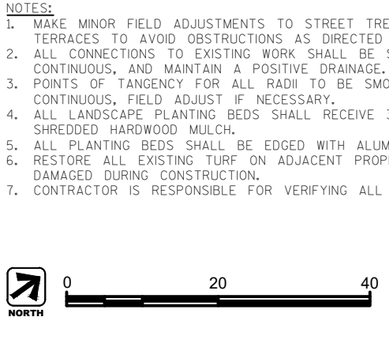
L025

2





NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



PLANT LEGEND

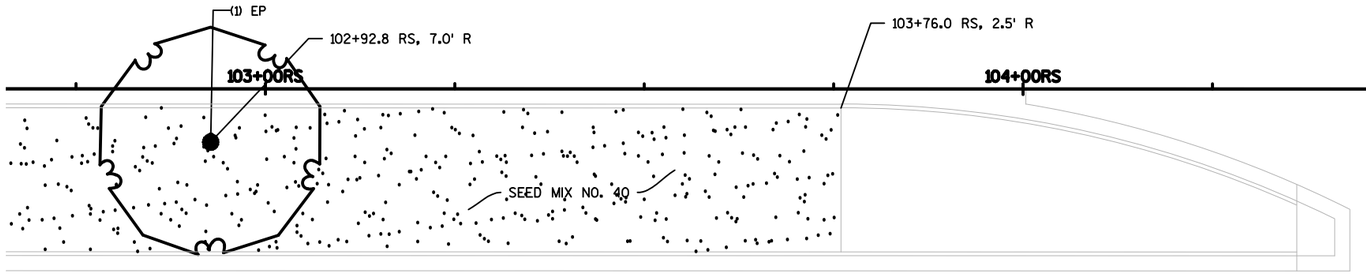
SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

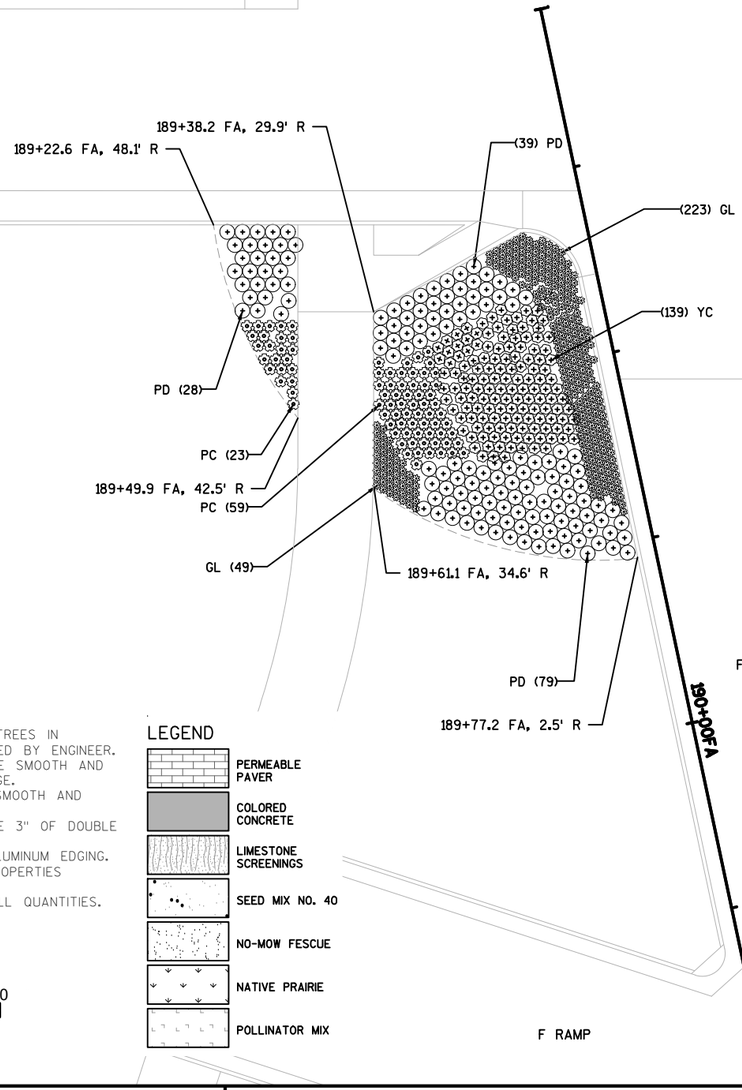
L026

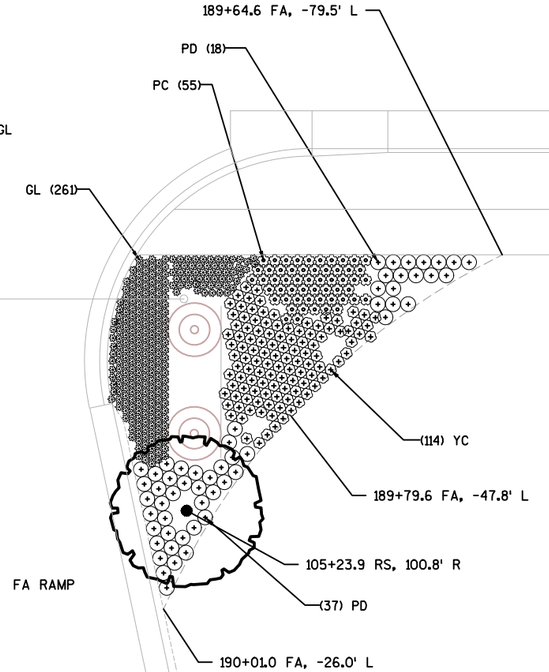
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 390	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 26
PLOT DATE : 9/29/2016 1:55 PM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42

2



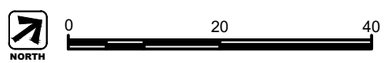




PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

L027

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 391	E

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

H RAMP

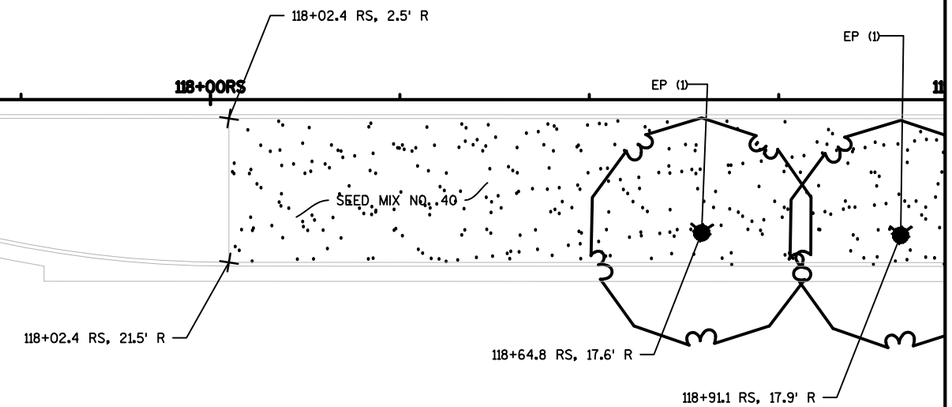
NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

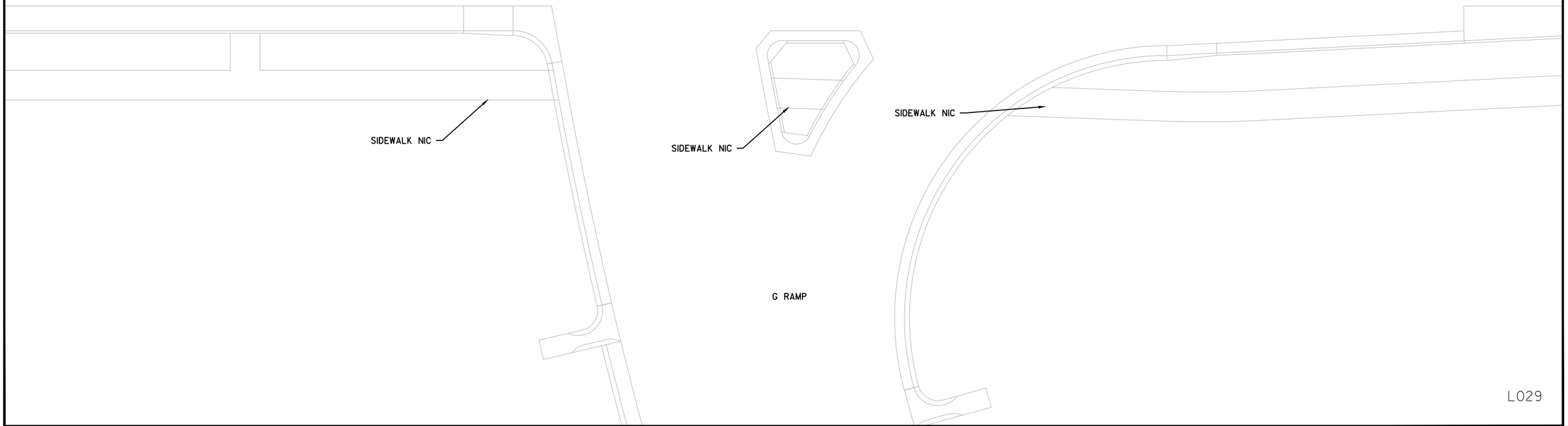
LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

NORTH

0 20 40

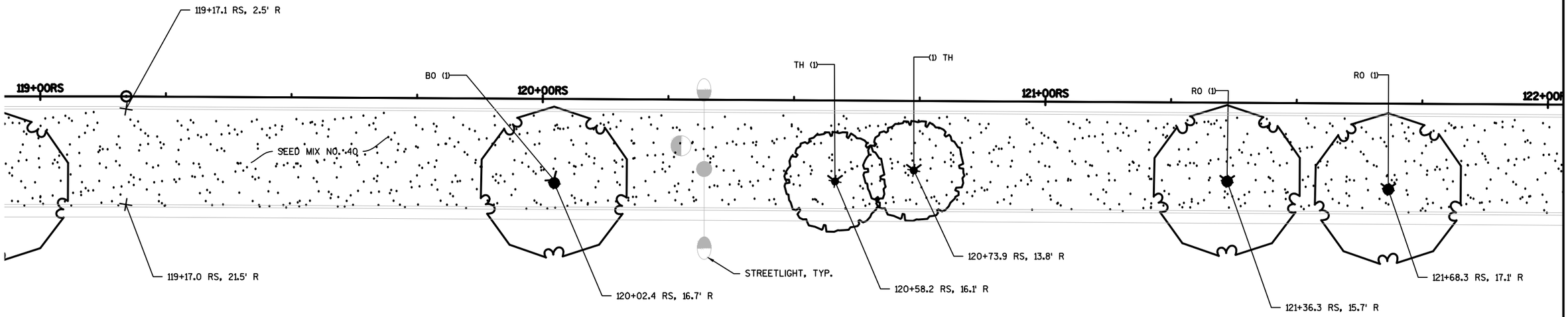




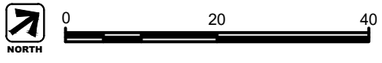
L029

PROJECT NO:	HWY:	COUNTY:		SHEET
1071-06-83	USH 53	LA CROSSE	LANDSCAPE PLAN	392 E

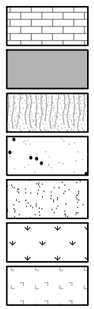
2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



LEGEND



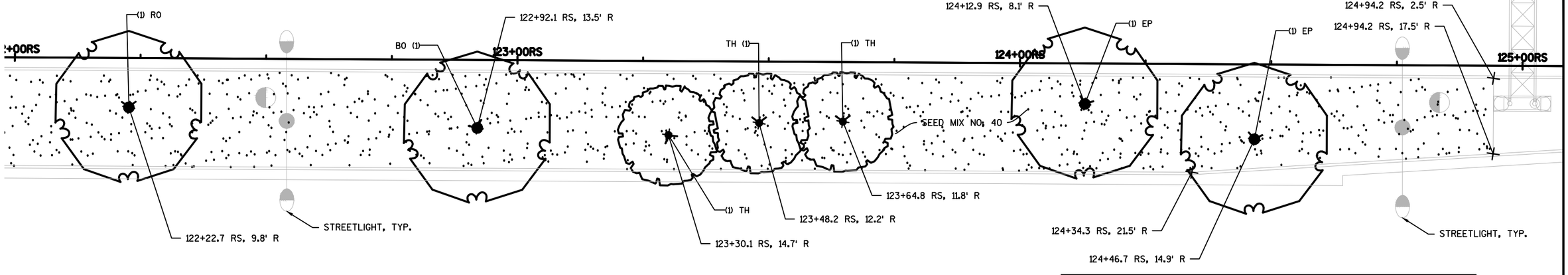
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L030

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 393	E

2



SIDEWALK NIC

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

LEGEND
- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

NORTH

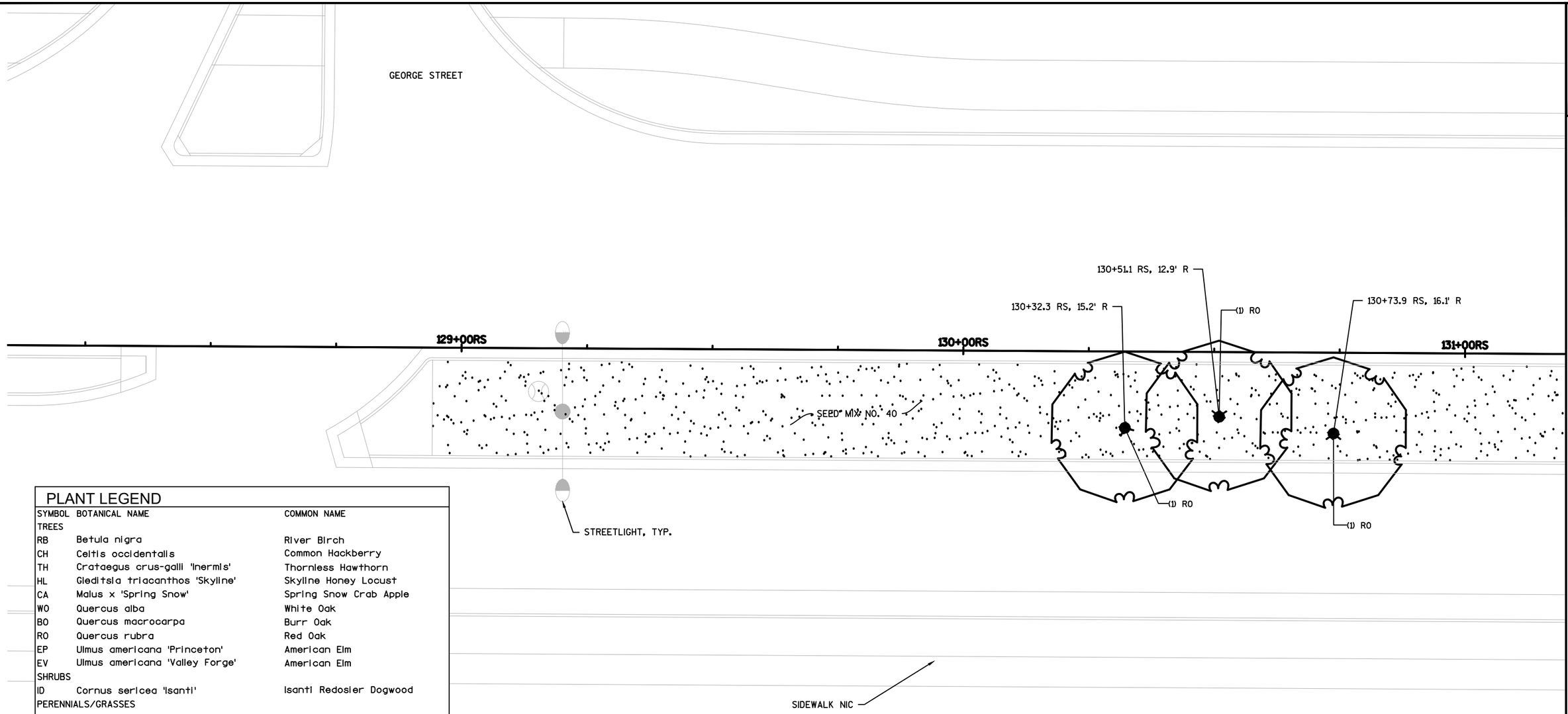
0 20 40

L031

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 394	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 31
PLOT DATE : 9/29/2016 1:56 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

2



PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

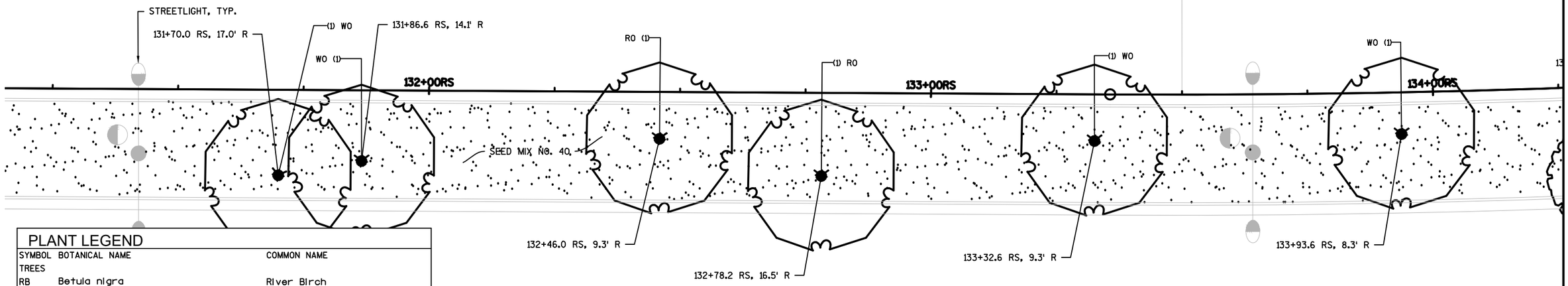
LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

L033

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 395	E

2



PLANT LEGEND

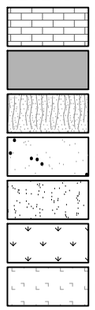
SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

SIDEWALK NIC

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.



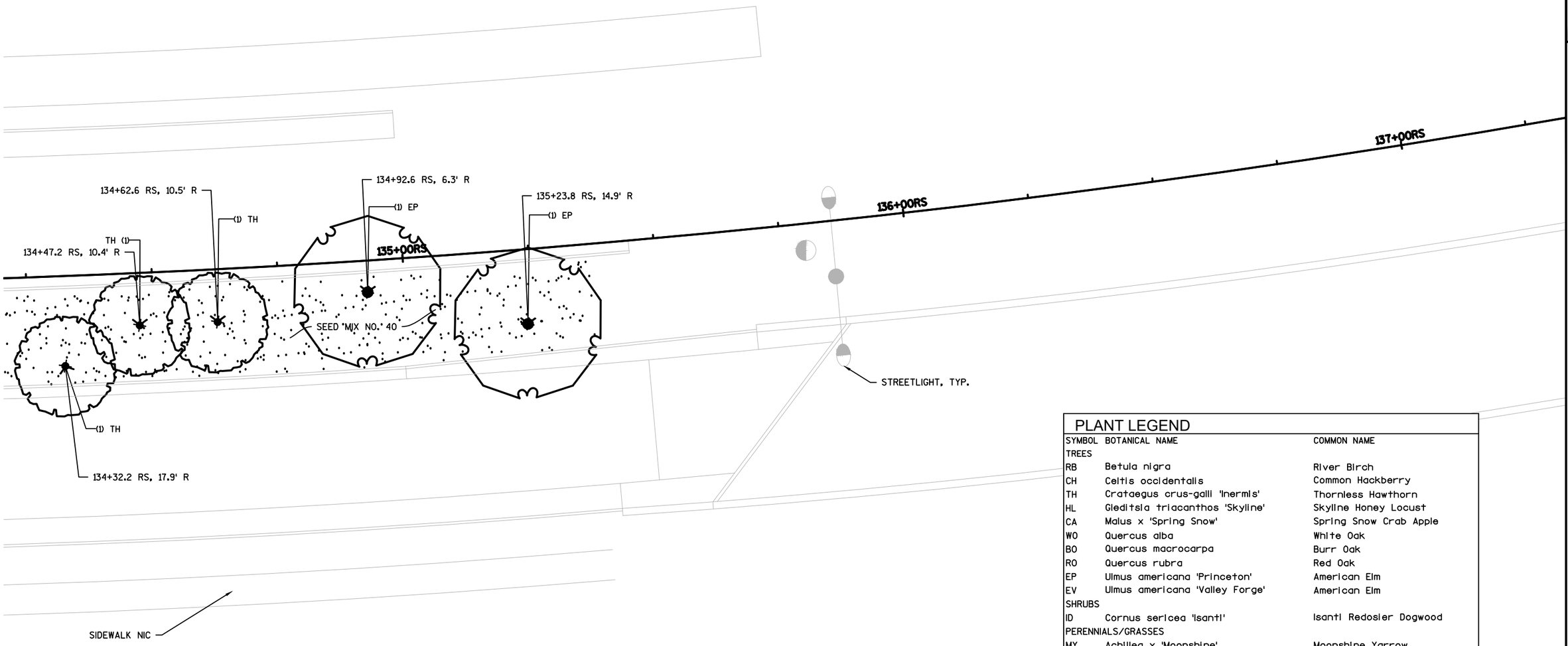
LEGEND



L034

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 396	E

2



NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

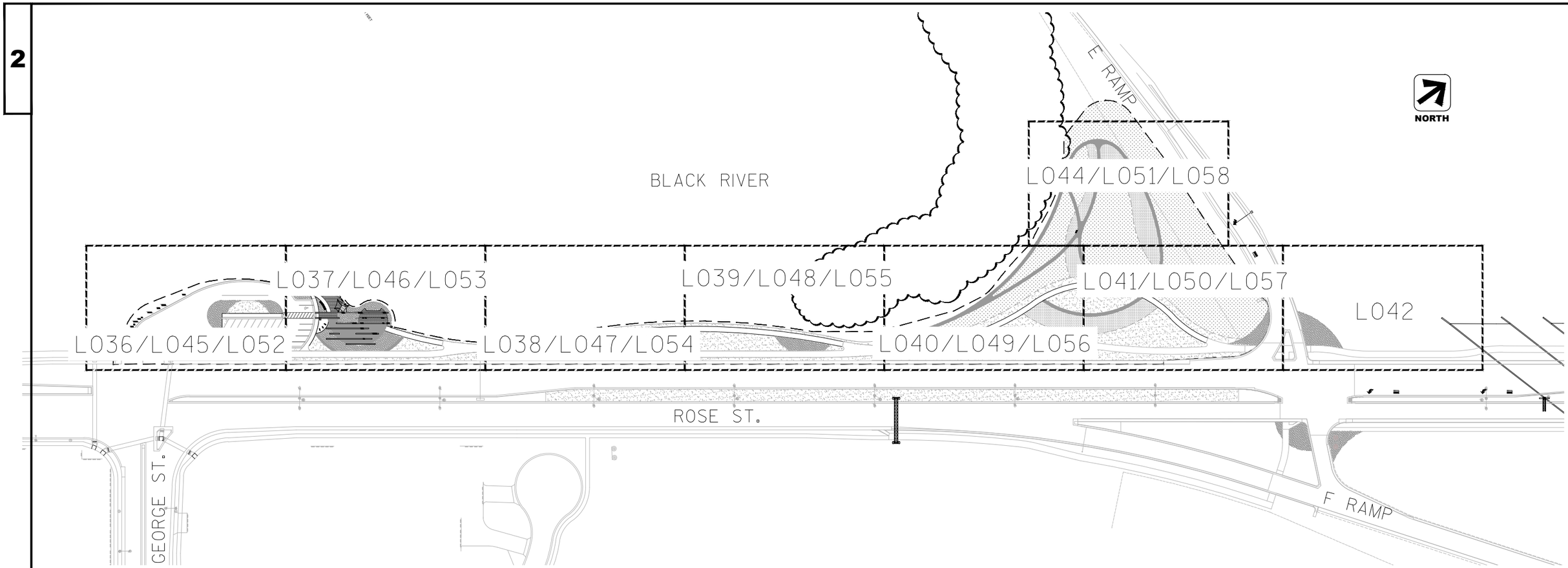
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

L035

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	LANDSCAPE PLAN	SHEET 397	E

2



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA SHEET LAYOUT	SHEET 398	E

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

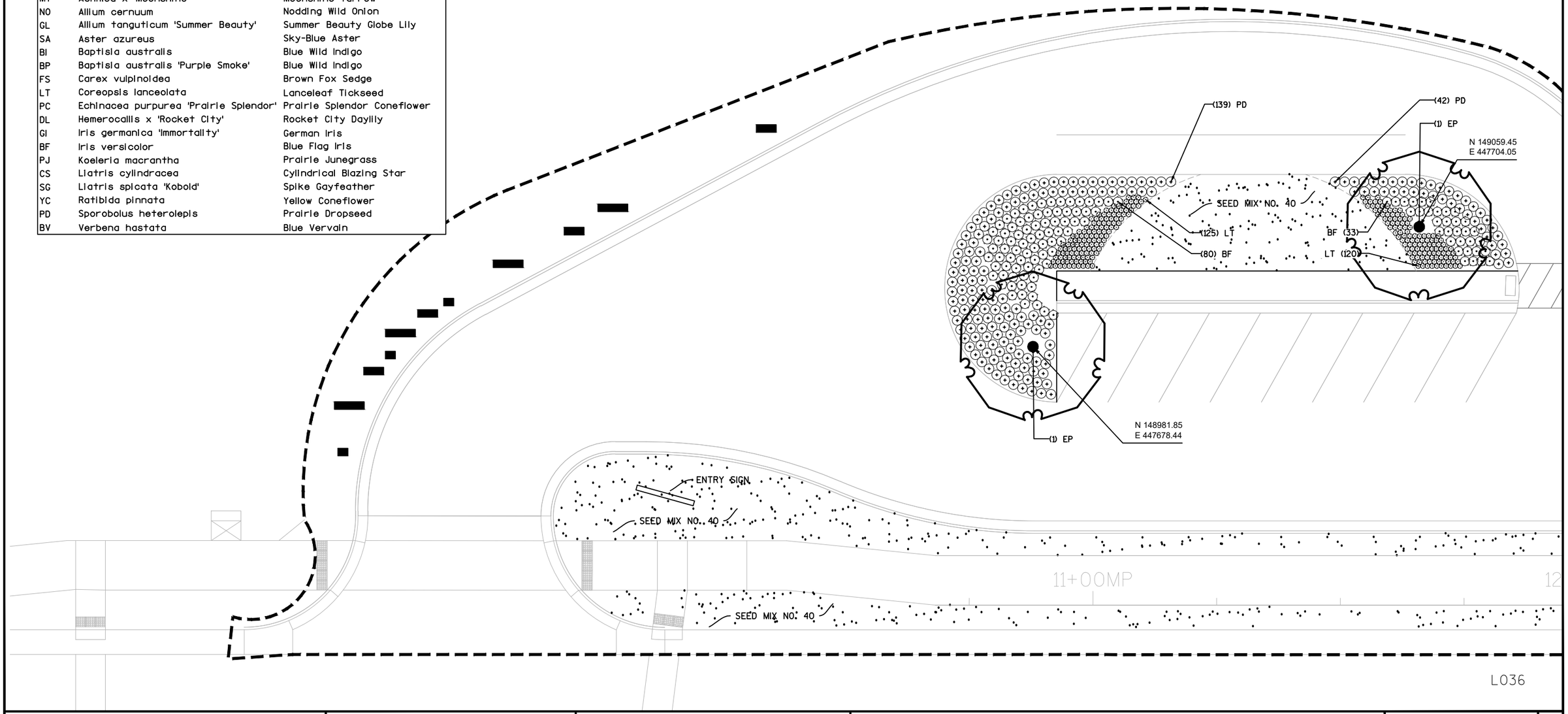
NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 399	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 36
PLOT DATE : 9/29/2016 1:58 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

NORTH 0 20 40

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

(6) PD
(12) MY
(32) LT
(2) PD
(47) PD
(22) MY
(5) PD
(24) FS
(24) YC
(15) BF
(68) PC
(49) CS
(19) BF
SPECIFIED MULCH
(53) PJ
(20) MY
(1) RO
(36) PD
(15) BF
(139) NO
(3) ID
(23) SG
(31) YC
(1) RO
N 149111.52
E 447719.04
(1) EP
RB
(97) LT
PJ (72)
(66) NO
(27) PJ
PLAZA SEAT STONE, TYP.
N 149154.23
E 447796.14
N 149208.96
E 447824.38
NO (173)
PD (40)
SG (34)
HL (11)
N 149137.95
E 447784.53
N 149157.72
E 447808.46
N 149174.01
E 447820.08
N 149115.87
E 447798.26
N 149148.43
E 447821.49
N 149099.59
E 447786.64
N 149119.36
E 447810.58
N 149141.44
E 447796.85
(17) FS
N 149151.93
E 447833.81
BV (47)
(49) LT
ID (2)
BF (15)
ID (3)
YC (21)
PC (47)
ID (13)
FS (39)
PJ (18)
CS (33)
(23) BF
(24) BV
SEED MIX NO. 40
(17) PC
(56) PD
N 149184.16
E 447853.25
(3) ID
SEED MIX NO. 40
N 149208.34
E 447885.31
(1) RO
APPROXIMATE LIMIT OF WORK
N 149253.22
E 447894.48
(1) RB
EV (1)
N 149260.29
E 447938.06
12+00MP
13+00MP
14+00MP
15+00
L037

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 400	E

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

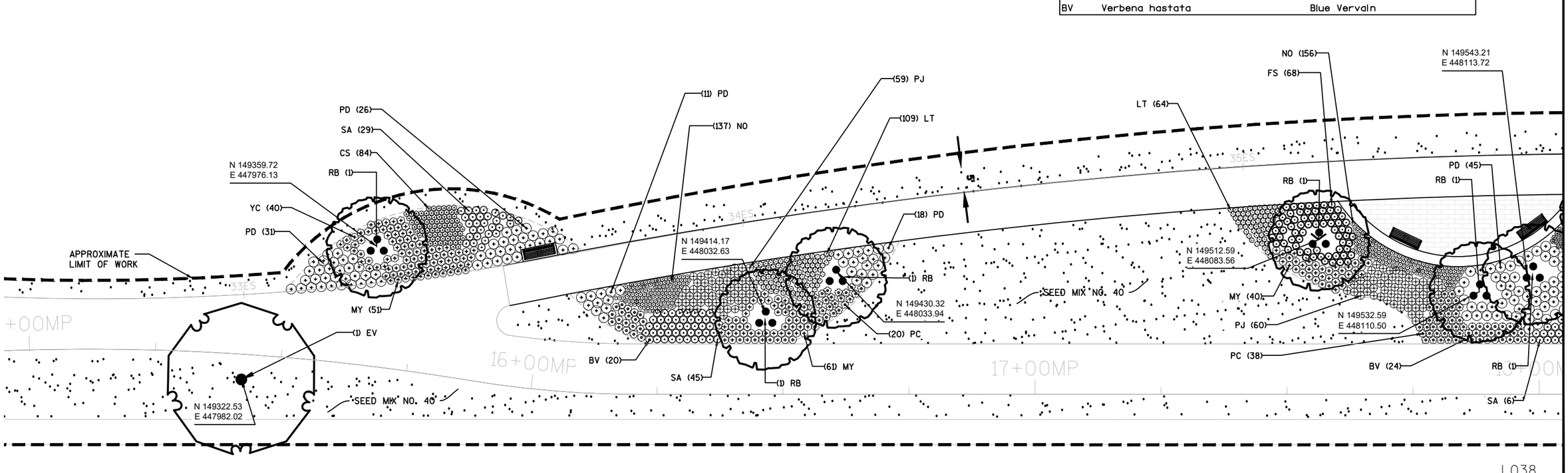
0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain



L038

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 401	E

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

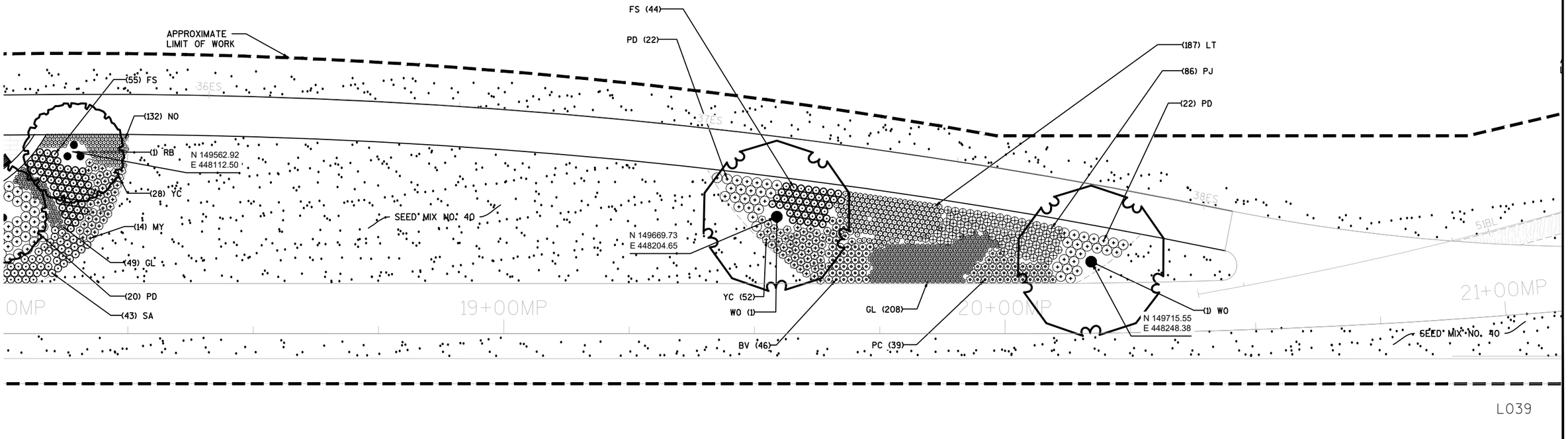
0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain



L039

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 402	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 39
PLOT DATE : 9/29/2016 2:00 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND
- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

RB (1)
N 150057.79
E 448304.92
RB (1)
N 150081.44
E 448326.97
N 150056.05
E 448333.48
(1) RB
POLLINATOR MIX, TYP.
71LP
53BL
NATIVE PRAIRIE, TYP.
41ES
SEED MIX NO. 40
1809
POLLINATOR MIX, TYP.
APPROXIMATE LIMIT OF WORK
52BL
RO (1)
N 149861.48
E 448326.20
SEED MIX NO. 40
40ES
SEED MIX NO. 40
23+00MP
EV (1)
N 149895.54
E 448388.35
N 149938.71
E 448419.88
22+00MP
39ES
24+00MP
SEED MIX NO. 40
(1) EV

L040

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 403	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 40
PLOT DATE : 9/29/2016 2:04 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NATIVE PRAIRIE, TYP.
POLLINATOR MIX, TYP.
POLLINATOR SEED MIX
NATIVE PRAIRIE, TYP.
POLLINATOR MIX, TYP.
LAWN, TYP.
POLLINATOR MIX, TYP.
LAWN, TYP.
LAWN, TYP.
APPROXIMATE LIMIT OF WORK
E RAMP

42ES 43ES 44ES 45ES

58BL 78BG

R150'
16'
R67

N 150166.63
E 448519.05
WO (1)

N 150147.31,
E 448553.21
WO (1)

N 150179.29
E 448567.60
(1) WO

N 150050.53
E 448500.69
(1) EV

PJ (74)
PD (37)
MY (33)
CA (1)
YC (116)
CA (1)
BV (38)
CA (1)
CA (1)
PJ (47)
PC (32)
GL (143)

25+00MP 26+00MP 27+00MP

L041

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 404	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 41
PLOT DATE : 9/29/2016 2:06 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:
1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

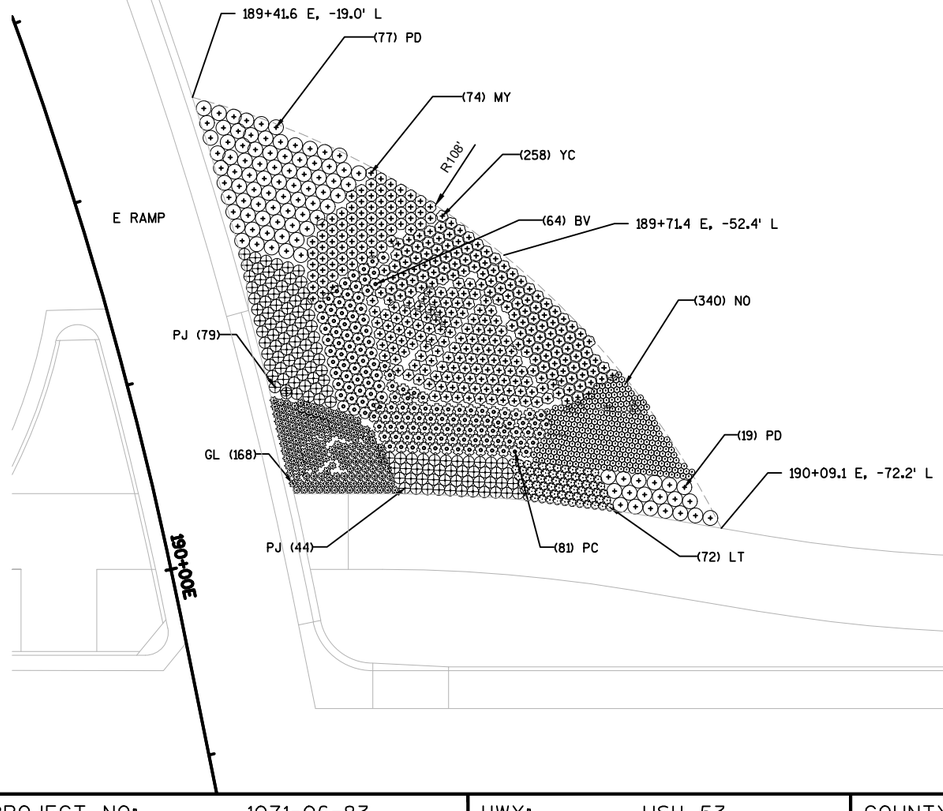
NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

PLANT LEGEND		
SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain



L042

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 405	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 42
PLOT DATE : 9/29/2016 2:06 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

2

NATIVE PRAIRIE, TYP.

NATIVE PRAIRIE, TYP.

APPROXIMATE LIMIT OF WORK

NATIVE PRAIRIE, TYP.

NATIVE PRAIRIE, TYP.

POLLINATOR MIX, TYP.

55BL

56BL

57BL

54BL

73LT

72LT

(1) WO

N 150164.25
E 448323.22

WO (1)

(1) WO

N 150099.94
E 448289.38

N 150133.04
E 448319.96

(1) RB

N 150169.54
E 448350.67

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
RB	Betula nigra	River Birch
CH	Celtis occidentalis	Common Hackberry
TH	Crataegus crus-galli 'Inermis'	Thornless Hawthorn
HL	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust
CA	Malus x 'Spring Snow'	Spring Snow Crab Apple
WO	Quercus alba	White Oak
BO	Quercus macrocarpa	Burr Oak
RO	Quercus rubra	Red Oak
EP	Ulmus americana 'Princeton'	American Elm
EV	Ulmus americana 'Valley Forge'	American Elm
SHRUBS		
ID	Cornus sericea 'Isanti'	Isanti Redosier Dogwood
PERENNIALS/GRASSES		
MY	Achillea x 'Moonshine'	Moonshine Yarrow
NO	Allium cernuum	Nodding Wild Onion
GL	Allium tanguticum 'Summer Beauty'	Summer Beauty Globe Lily
SA	Aster azureus	Sky-Blue Aster
BI	Baptisia australis	Blue Wild Indigo
BP	Baptisia australis 'Purple Smoke'	Blue Wild Indigo
FS	Carex vulpinoidea	Brown Fox Sedge
LT	Coreopsis lanceolata	Lanceleaf Tickseed
PC	Echinacea purpurea 'Prairie Splendor'	Prairie Splendor Coneflower
DL	Hemerocallis x 'Rocket City'	Rocket City Daylily
GI	Iris germanica 'Immortality'	German Iris
BF	Iris versicolor	Blue Flag Iris
PJ	Koeleria macrantha	Prairie Junegrass
CS	Liatris cylindracea	Cylindrical Blazing Star
SG	Liatris spicata 'Kobold'	Spike Gayfeather
YC	Ratibida pinnata	Yellow Coneflower
PD	Sporobolus heterolepis	Prairie Dropseed
BV	Verbena hastata	Blue Vervain

NOTES:

1. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
2. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
3. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FIELD ADJUST IF NECESSARY.
4. ALL LANDSCAPE PLANTING BEDS SHALL RECEIVE 3" OF DOUBLE SHREDDED HARDWOOD MULCH.
5. ALL PLANTING BEDS SHALL BE EDGED WITH ALUMINUM EDGING.
6. RESTORE ALL EXISTING TURF ON ADJACENT PROPERTIES DAMAGED DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- NO-MOW FESCUE
- NATIVE PRAIRIE
- POLLINATOR MIX

L044

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LANDSCAPE PLAN	SHEET 406	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L_LS.DWG
LAYOUT : 44
PLOT DATE : 9/29/2016 2:07 PM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:

1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

APPROX. LIMITS OF WORK

LAWN SEAT STONE TYPE B

LAWN SEAT STONE TYPE B

LAWN SEAT STONE TYPE C

LAWN SEAT STONE TYPE C

LAWN SEAT STONE TYPE A

LAWN SEAT STONE TYPE B

LAWN SEAT STONE TYPE C

LAWN SEAT STONE TYPE A

LAWN SEAT STONE TYPE B

LAWN SEAT STONE TYPE C

LAWN SEAT STONE TYPE A

ALUMINUM EDGING

IRRIGATED LAWN

IRRIGATED PLANTING BED

IRRIGATED PLANTING BED

ALUMINUM EDGING

CONCRETE SIDEWALK 4"

ENTRY SIGN

11+00MP

12

ROSE ST

L045

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 407	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 45

PLOT DATE : 9/29/2016 11:33 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

IRRIGATED PLANTING BED
CONCRETE SIDEWALK 4"
STEEL RAILING
PERMEABLE PAVERS
SPOTTING SCOPE TYPE A
SPOTTING SCOPE TYPE B
FUTURE INTERPRETIVE SIGN BY OTHERS
IRRIGATED PLANTING BED
PLAZA SEAT STONE TYPE C
IRRIGATED PLANTING BED
COLORED CONCRETE BANDS
SHADE STRUCTURE, SEE DETAIL
BENCH TYPE A
SPOTTING SCOPE TYPE A
PERMEABLE PAVERS, RUNNING BOND PATTERN
BENCH TYPE A
PLAZA SEAT STONE TYPE B
PERMEABLE PAVERS
STONE SCREENINGS WITH BINDER
COLORED CONCRETE BANDS
SURFACE MOUNTED TRASH RECEPTACLE
PLAZA SEAT STONE TYPE B
IRRIGATED PLANTING BED
CONCRETE
ALUMINUM EDGING
SURFACE MOUNTED TRASH RECEPTACLE
BIKE RACKS
PLAZA SEAT STONE TYPE A
CONCRETE SIDEWALK 4"
APPROX. LIMITS OF WORK
PLAZA SEAT STONE TYPE C
ALUMINUM EDGING
CONCRETE WALK
IRRIGATED LAWN
ALUMINUM EDGING
LIMESTONE SCREENINGS PATH
12+00MP
LIMESTONE SCREENINGS
IRRIGATED PLANTING BED
PLAZA SEAT STONE TYPE A
STONE SCREENINGS WITH BINDER
COLORED CONCRETE BANDS
IRRIGATED LAWN
SIGN BRIDGE BASE, NIP
ROSE ST
L046

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 408	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 46
PLOT DATE : 9/29/2016 11:34 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

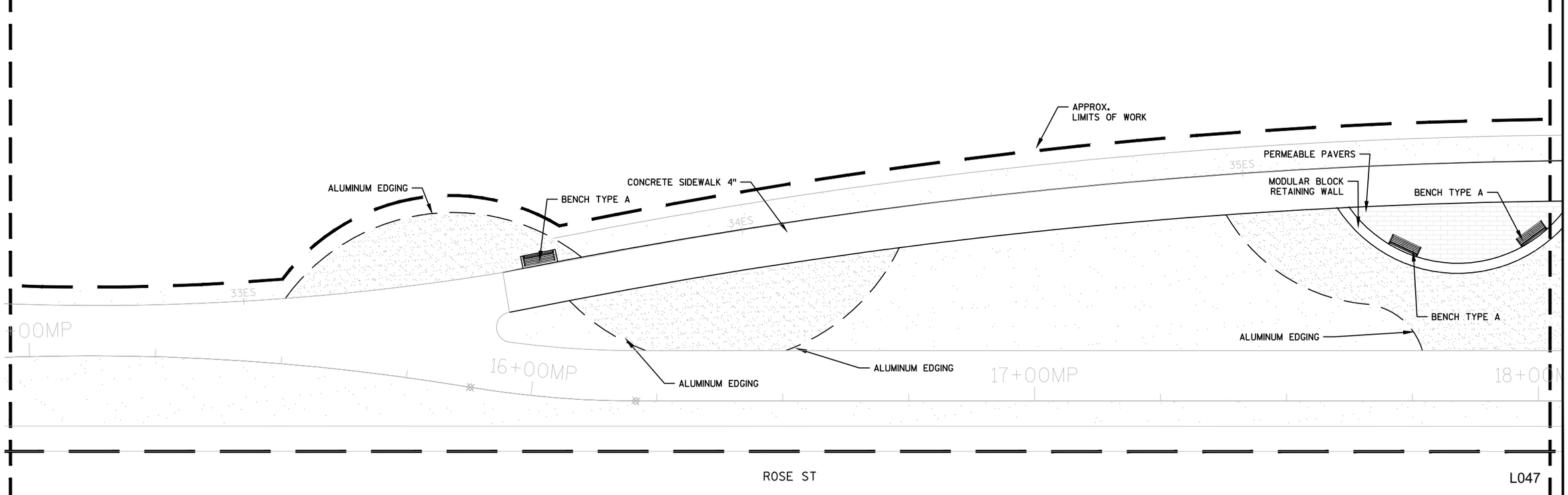
NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 409	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 47
PLOT DATE : 9/29/2016 11:39 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:

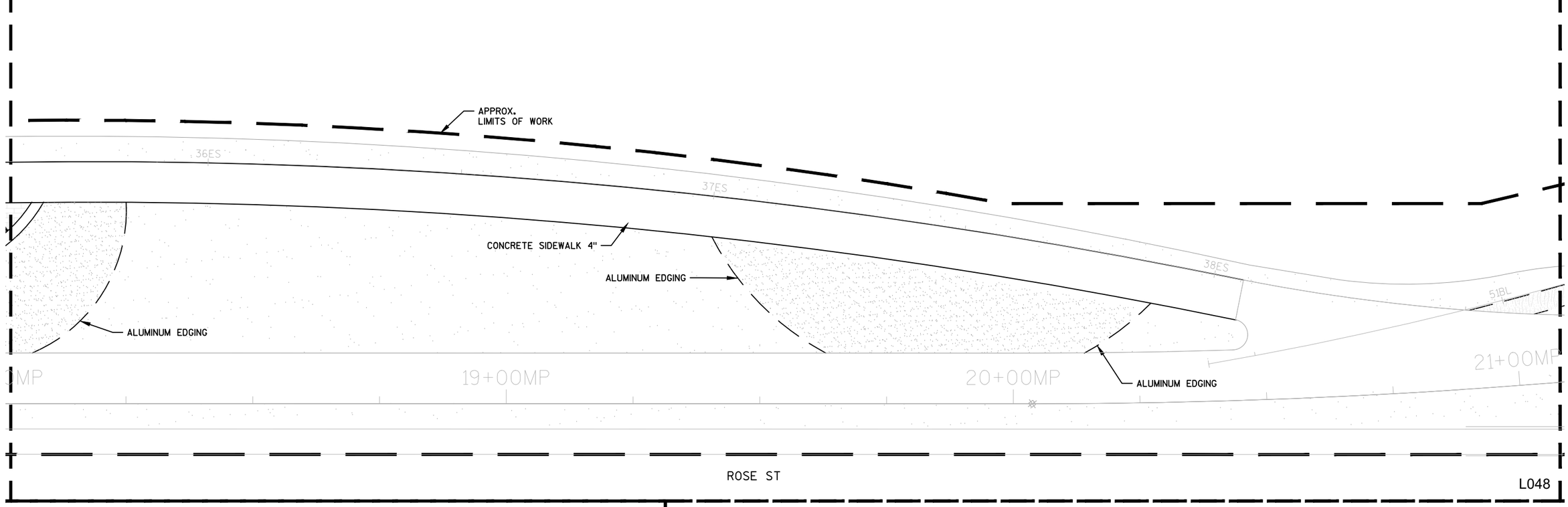
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 410	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 48
PLOT DATE : 9/29/2016 11:42 AM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

LIMESTONE SCREENINGS PATH

LIMESTONE SCREENINGS PATH

ALUMINUM EDGING

APPROX. LIMITS OF WORK

LIMESTONE SCREENINGS

ALUMINUM EDGING

LIMESTONE SCREENINGS

ALUMINUM EDGING

53BL

71LP

41ES

1809

52BL

40ES

39ES

22+00MP

23+00MP

24+00MP

ROSE ST

L049

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 411	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 49
PLOT DATE : 9/29/2016 11:43 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

2

NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

LIMESTONE SCREENINGS PATH

LIMESTONE SCREENINGS PATH

INTERPRETIVE PLAQUE

ALUMINUM EDGING

BENCH TYPE A

BENCH TYPE A

ALUMINUM EDGING

INTERPRETIVE PLAQUE

ALUMINUM EDGING

LIMESTONE SCREENINGS PATH

CONCRETE SIDEWALK 4"

ALUMINUM EDGING

ALUMINUM EDGING

ALUMINUM EDGING

APPROX. LIMITS OF WORK

58BL

42ES

43ES

186S

44ES

45ES

189E

I-90 E RAMP

25+00MP

26+00MP

27+00MP

ROSE ST

L050

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 412	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 50
PLOT DATE : 9/29/2016 12:02 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

2

APPROX. LIMITS OF WORK

56BL

55BL

73LP

57BL

54BL

52RP

187E

I-90 E RAMP

LIMESTONE SCREENINGS PATH

LIMESTONE SCREENINGS PATH

LIMESTONE SCREENINGS PATH

LAWN SEAT STONE/ TYPE B

NOTES:

1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

L051

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA MATERIALS PLAN	SHEET 413	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP_MATERIALS.DWG
LAYOUT : 51
PLOT DATE : 9/29/2016 12:02 PM
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42

NOTES:

1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

APPROX. LIMITS OF WORK

N=148963.12
E=447611.85

N=148928.58
E=447606.91

N=148919.49
E=447606.20

N=148904.78
E=447603.83

N=148890.53
E=447603.13

N=148885.72
E=447602.55

N=148878.93
E=447602.57

N=148874.71
E=447605.03

N=148870.09
E=447605.69

N=148862.03
E=447608.49

N=148855.50
E=447615.40

N=148900.12
E=447655.10

N=148907.67
E=447664.42

N=149005.95
E=447652.89

N=149046.87
E=447682.08

N=149063.30
E=447693.81

N=148992.92
E=447671.85

R23'

R23'

N=149049.95
E=447712.53

R36'

R36'

N=149018.12
E=447704.18

N=148979.24
E=447690.33

11+00MP

ROSE ST

L052

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 414	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP.DWG
LAYOUT : 52

PLOT DATE : 9/29/2016 1:18 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

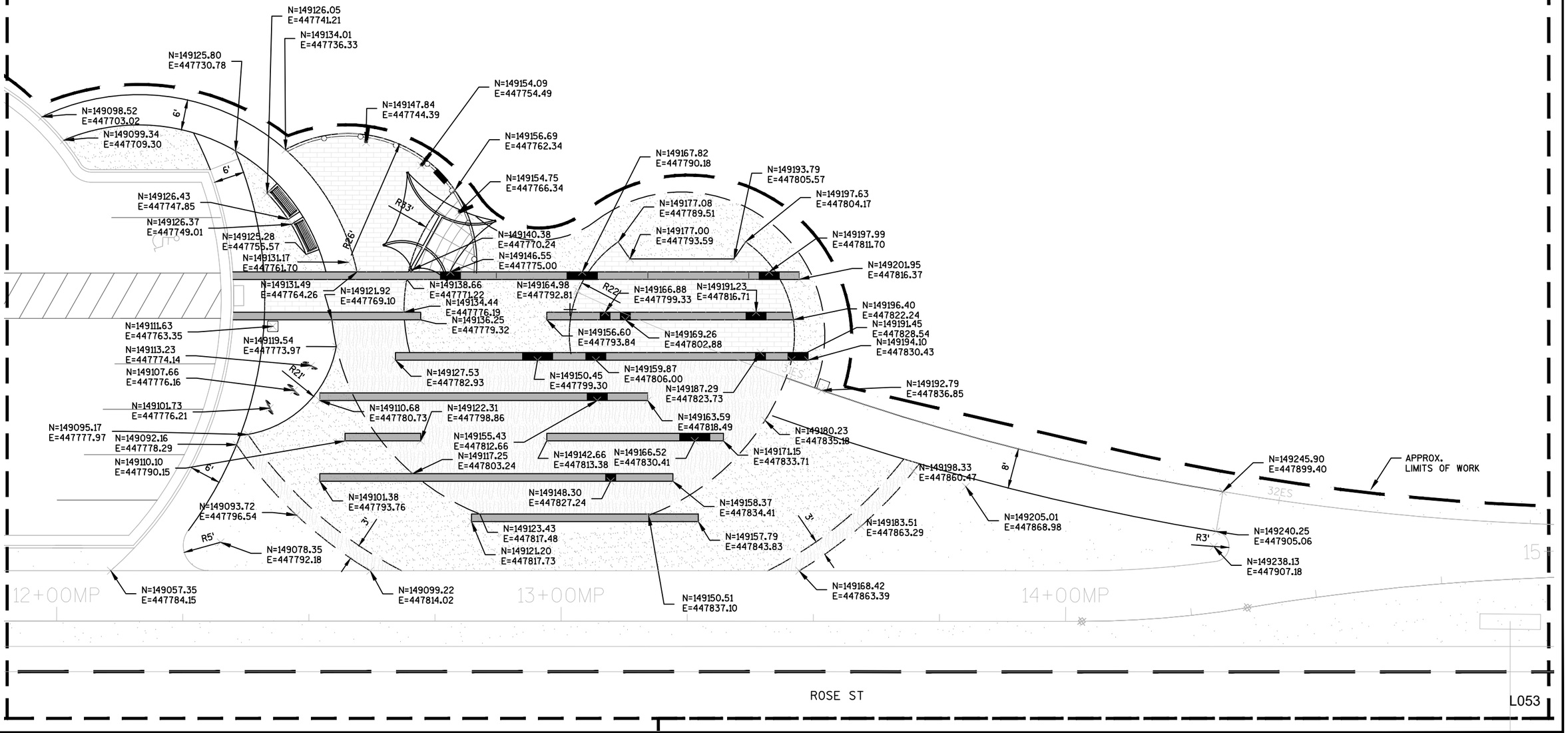
NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX



L053

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 415 E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP.DWG
LAYOUT : 53
PLOT DATE : 9/29/2016 1:19 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

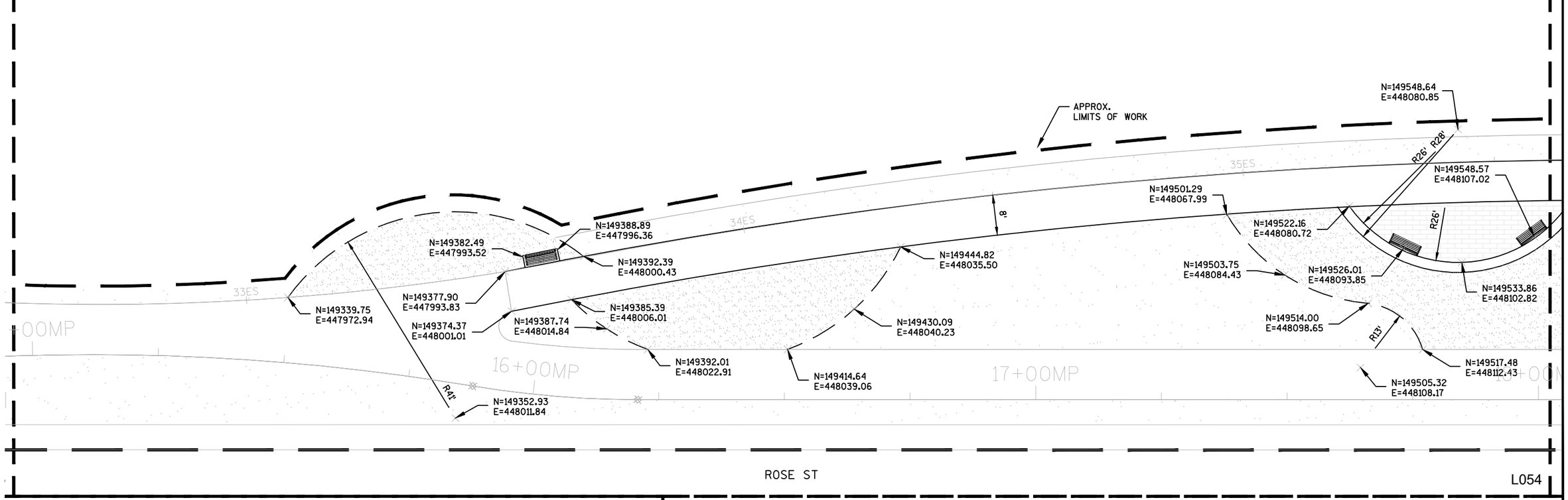
NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 416 E

NOTES:

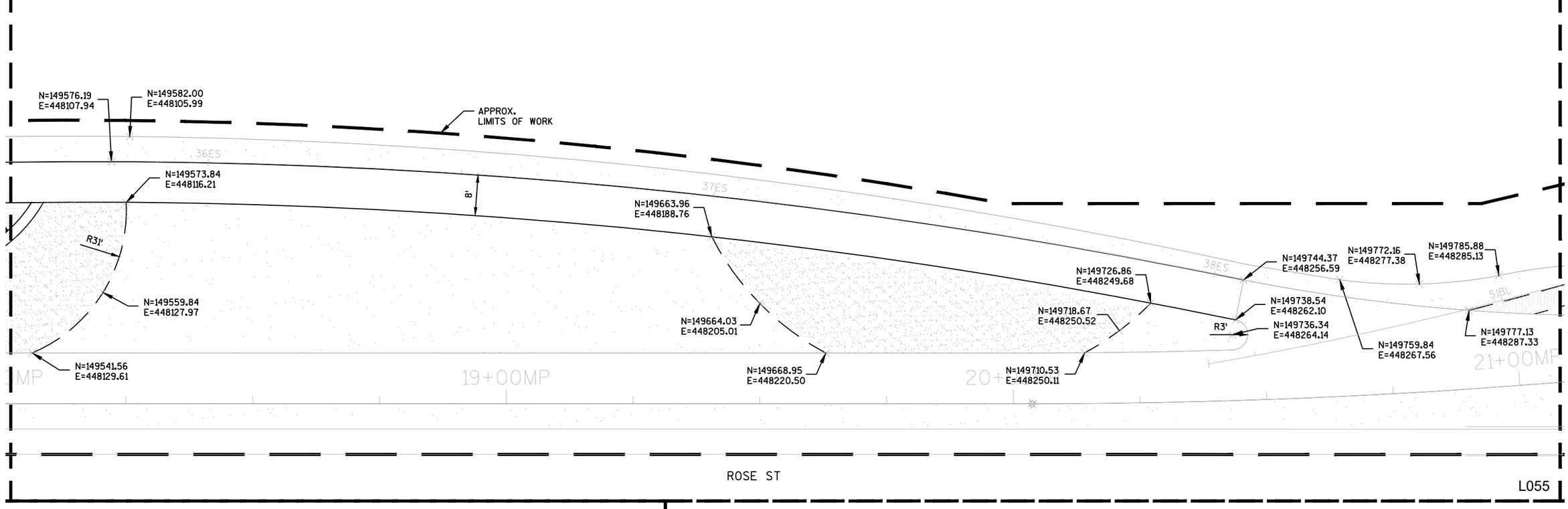
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 417 E

NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

N=150104.67
E=448335.84

N=150101.21
E=448340.56

N=150111.82
E=448369.02

N=150037.01
E=448316.28

N=150075.48
E=448339.28

N=150090.83
E=448358.94

N=150084.01
E=448378.91

N=150086.18
E=448399.73

N=149972.42
E=448330.94

APPROX. LIMITS OF WORK

N=149972.54
E=448332.93

N=149972.33
E=448334.92

N=150015.27
E=448374.83

N=149903.72
E=448324.28

N=149993.50
E=448382.17

N=150015.24
E=448382.83

N=150028.45
E=448383.43

N=149974.66
E=448372.45

N=149849.39
E=448311.28

N=149934.63
E=448365.23

N=149932.85
E=448373.03

N=149932.18
E=448375.95

N=150038.86
E=448464.29

N=149987.17
E=448418.32

N=149815.94
E=448305.37

N=149957.24
E=448408.30

N=149831.45
E=448325.01

N=149873.43
E=448358.16

N=150031.80
E=448471.37

53BL 71LP 41ES 18O9 52BL 40ES 39ES 23+00MP 22+00MP 24+00MP

ROSE ST

L056

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 418 E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP.DWG
LAYOUT : 56
PLOT DATE : 9/29/2016 1:22 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :

2

NOTES:
1. PAVER PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
2. MAKE MINOR FIELD ADJUSTMENTS TO STREET TREES IN TERRACES TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
3. SCORING PATTERN SHOWN IS INTENDED TO GIVE GENERAL SCORING PATTERN. SCORE JOINTS IN SIDEWALKS SHALL BE LOCATED IN CRITICAL POINTS AND SPACED EVENLY BETWEEN THOSE CRITICAL POINTS AS SHOWN ON THE PLAN AND DETAILS.
4. SEE LANDSCAPE PLANS FOR EDGING NORTHINGS AND EASTINGS.
5. ALL CONNECTIONS TO EXISTING WORK SHALL BE SMOOTH AND CONTINUOUS, AND MAINTAIN A POSITIVE DRAINAGE.
6. ALL CONTROL JOINTS ARE TO BE SAW CUT UNLESS SPECIFICALLY NOTED.
7. POINTS OF TANGENCY FOR ALL RADII TO BE SMOOTH AND CONTINUOUS, FILED ADJUST IF NECESSARY.

NORTH

0 20 40

LEGEND

- PERMEABLE PAVER
- COLORED CONCRETE
- LIMESTONE SCREENINGS
- SEED MIX NO. 40
- PLANTING SOIL MIX
- NATIVE PRAIRIE
- POLLINATOR MIX

N=150222.11
E=448429.38

N 150198.12
E 448424.12

N 150109.08
E 448391.71

N=150113.22
E=448394.64

N=150106.90
E=448401.85

N=150110.52
E=448404.90

N=150124.78
E=448416.00

N=150147.49
E=448424.39

N=150199.12
E=448449.25

N=150199.74
E=448453.75

N=150197.85
E=448455.05

N=150173.12
E=448461.85

N=150157.39
E=448449.64

N=150196.20
E=448474.83

N=150162.74
E=448460.44

N=150174.94
E=448465.51

N=150164.82
E=448467.58

N=150103.67
E=448412.93

N=150129.76
E=448431.74

N=150161.27
E=448455.88

N=150184.01
E=448488.18

N=150097.51
E=448408.91

N=150101.09
E=448425.09

N=150156.24
E=448468.39

N=150190.76
E=448517.24

N=150180.86
E=448518.68

N=150166.88
E=448493.71

N=150078.13
E=448447.28

N=150187.22
E=448545.19

N 150112.45
E 448490.09

N=150060.54
E=448467.99

N=150208.37
E=448567.64

N=150202.19
E=448576.72

N=150222.26
E=448602.19

N=150195.44
E=448581.03

N=150192.86
E=448582.56

N=150191.28
E=448585.11

N=150107.54
E=448538.52

N=150208.14
E=448617.78

N=150296.22
E=448576.50

N=150307.84
E=448583.58

N=150304.75
E=448592.72

N=150264.70
E=448607.95

N=150243.56
E=448607.78

N=150241.59
E=448618.79

N=150235.78
E=448626.93

42ES
43ES
44ES
45ES

25+00MP
26+00MP
27+00MP

58BE
186E
189E

4'
8'
10'
R3'

I-90 E RAMP

APPROX. LIMITS OF WORK

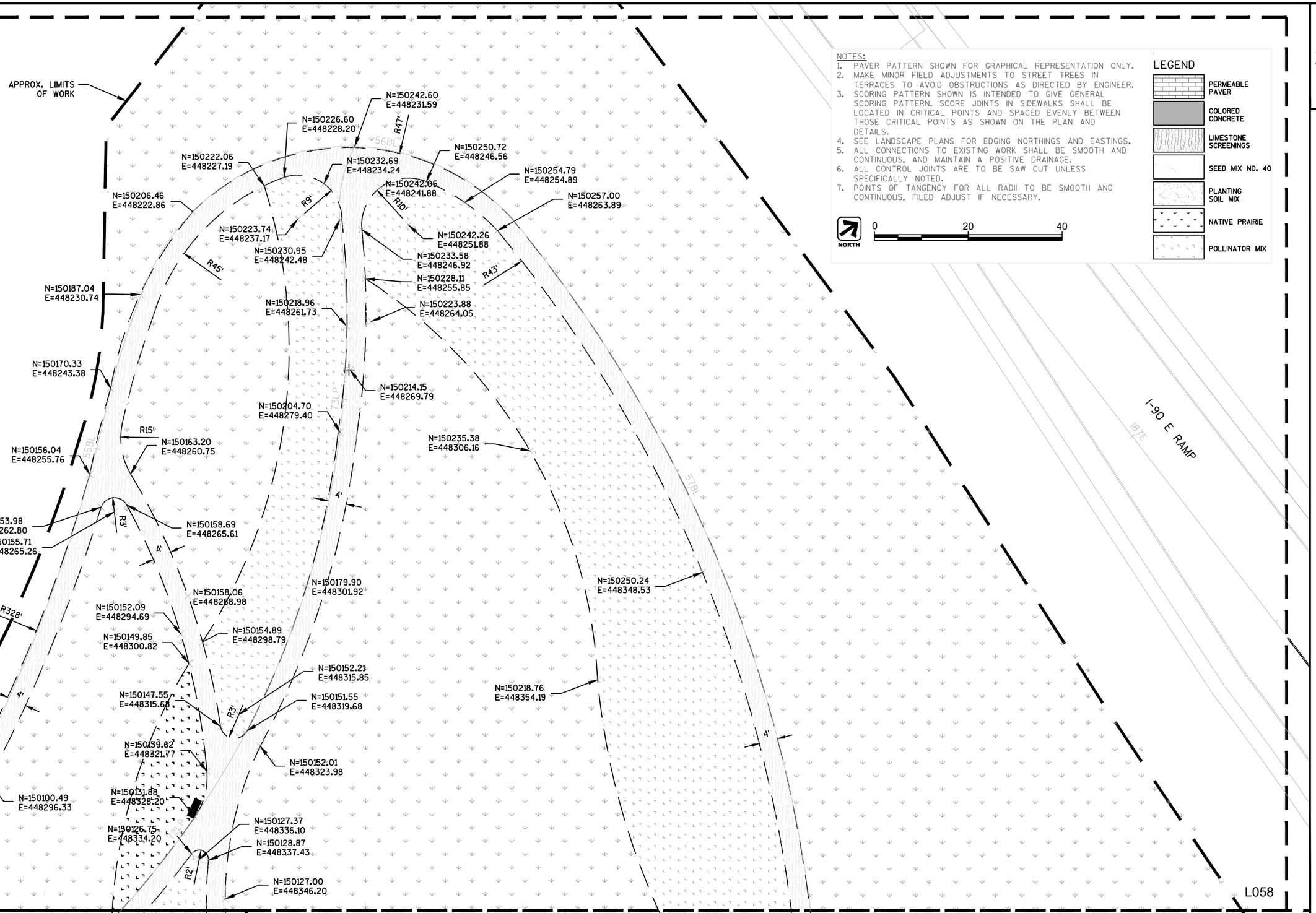
ROSE ST

L057

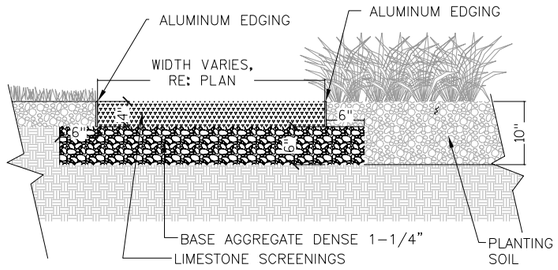
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 419	E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\FROMBADGER_160719\COMBINED FOLDERS\COMBINED FOLDERS\L-SP.DWG
LAYOUT : 57

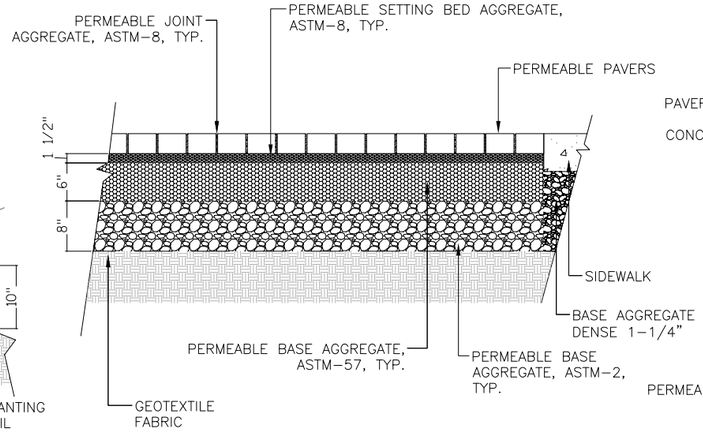
PLOT DATE : 9/29/2016 1:22 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :



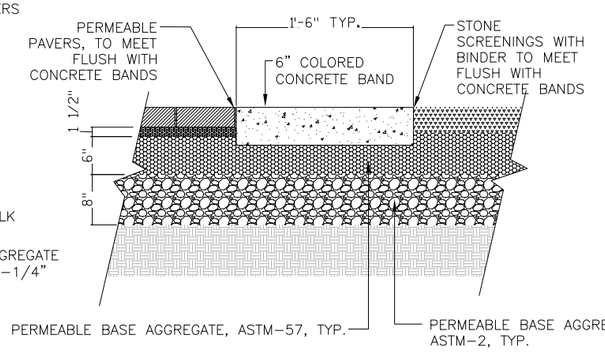
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	EAGLE VIEWING AREA LAYOUT PLAN	SHEET 420	E



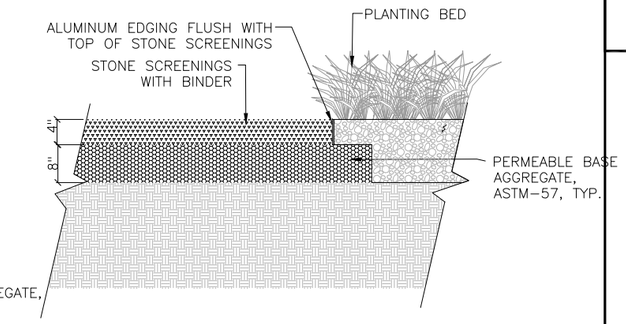
LIMESTONE SCREENINGS PATH



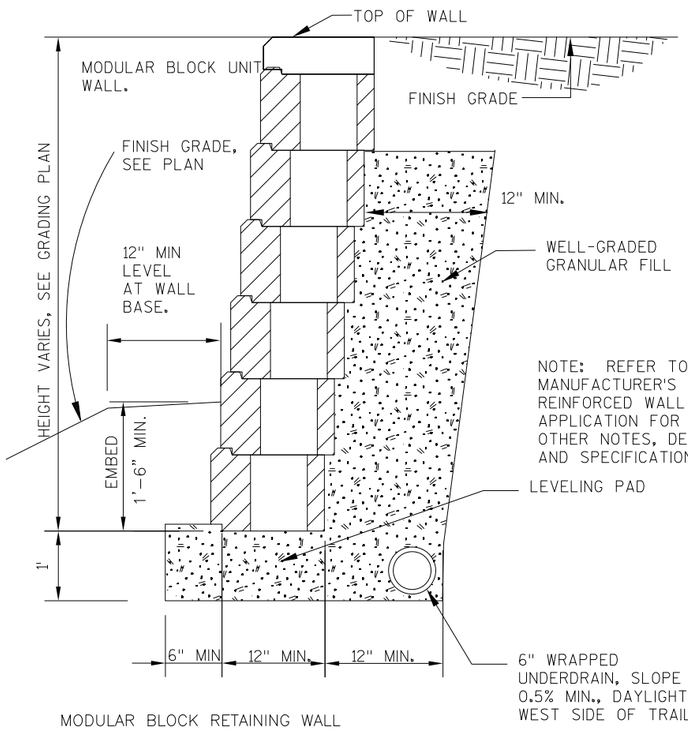
PERMEABLE PAVERS



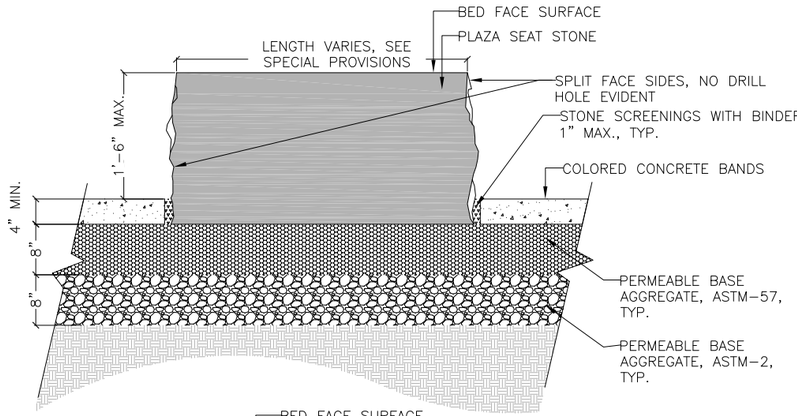
COLORED CONCRETE BANDS

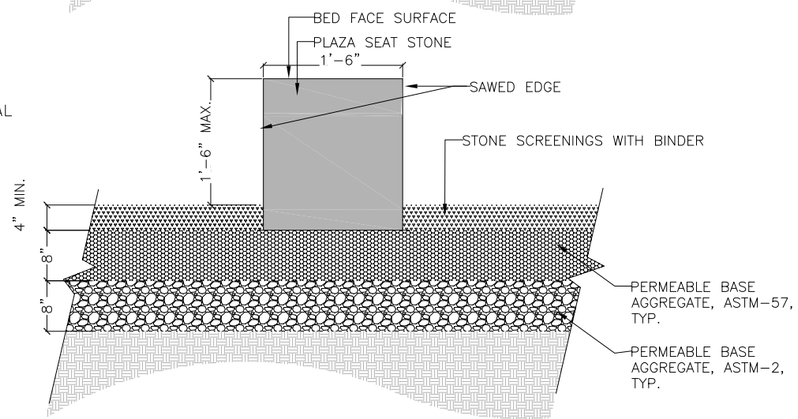


STONE SCREENINGS WITH BINDER

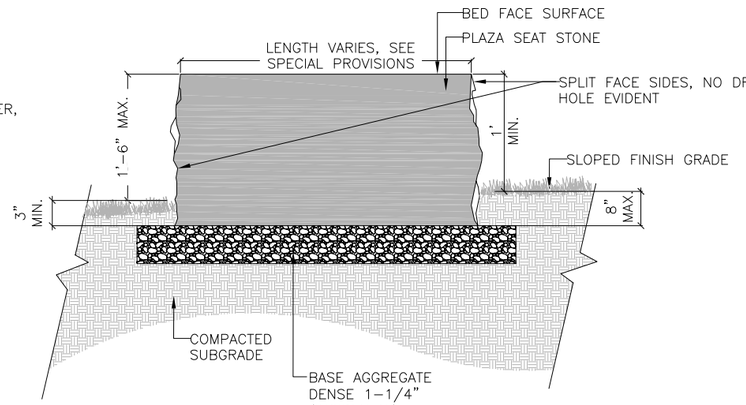


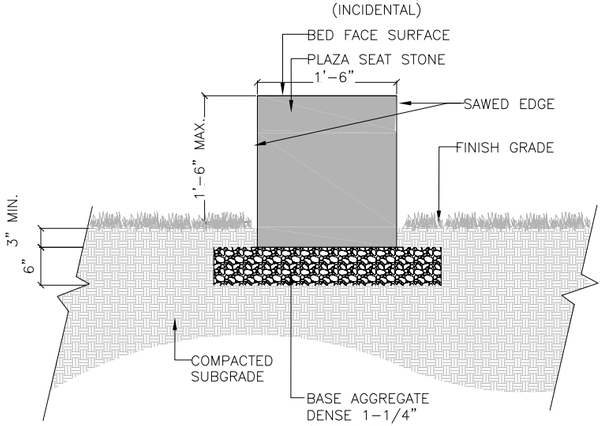
MODULAR BLOCK RETAINING WALL





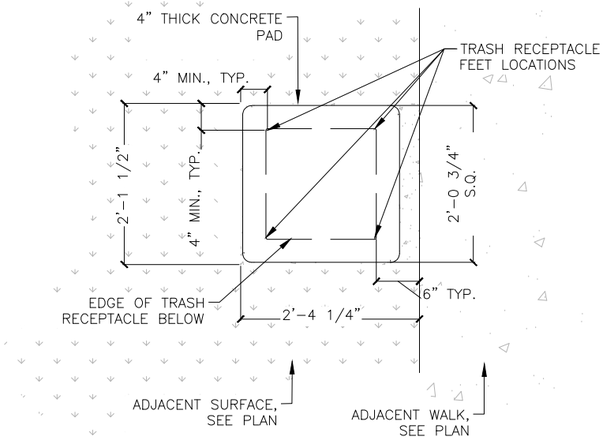
PLAZA SEAT STONE





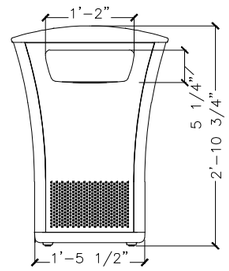
LAWN SEAT STONE

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	SITE DETAILS - EAGLE VIEWING AREA	SHEET E



SURFACE MOUNTED TRASH RECEPTACLE

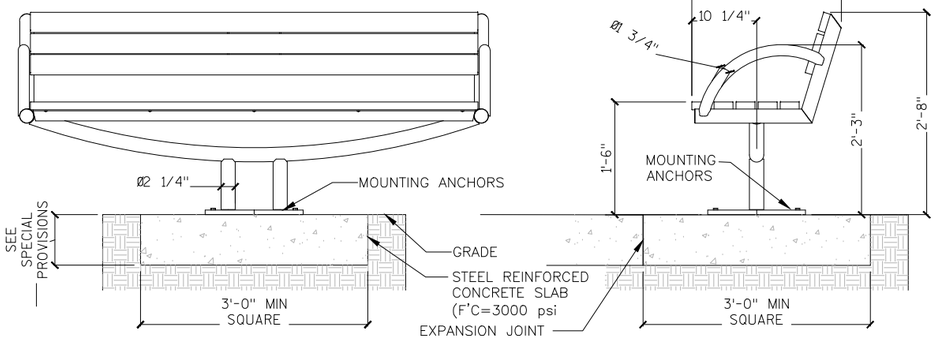
1/2" = 1'-0"

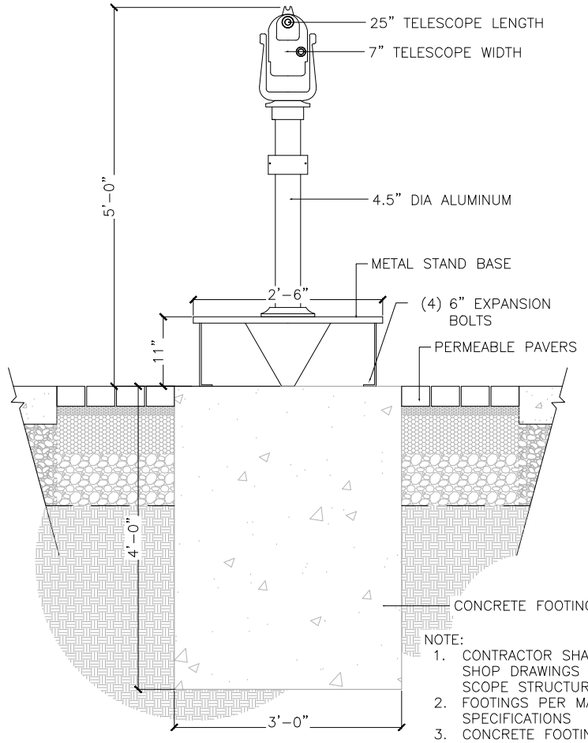


SURFACE MOUNTED TRASH RECEPTACLE

1/2" = 1'-0"

P-EA-14

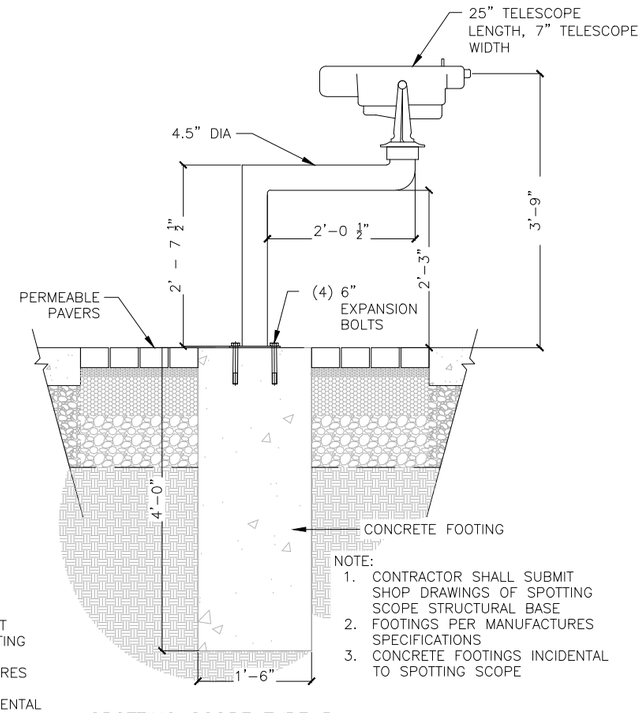




NOTE:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SPOTTING SCOPE STRUCTURAL BASE
2. FOOTINGS PER MANUFACTURES SPECIFICATIONS
3. CONCRETE FOOTINGS INCIDENTAL TO SPOTTING SCOPE

SPOTTING SCOPE TYPE A

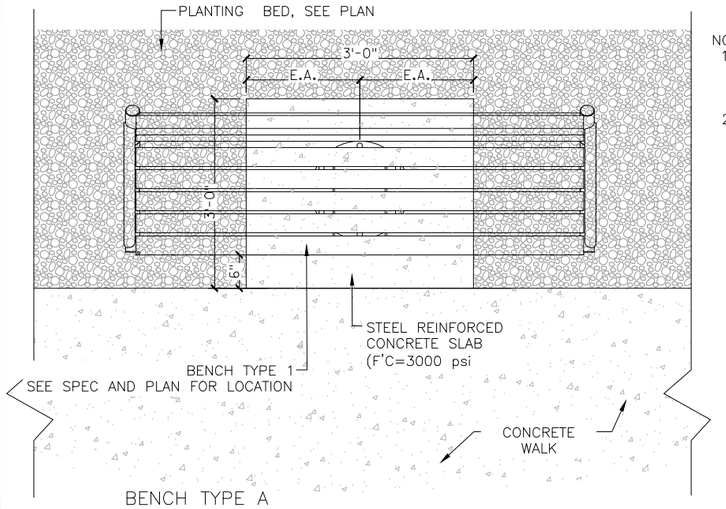
1/2" = 1'-0"



NOTE:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SPOTTING SCOPE STRUCTURAL BASE
2. FOOTINGS PER MANUFACTURES SPECIFICATIONS
3. CONCRETE FOOTINGS INCIDENTAL TO SPOTTING SCOPE

SPOTTING SCOPE TYPE B

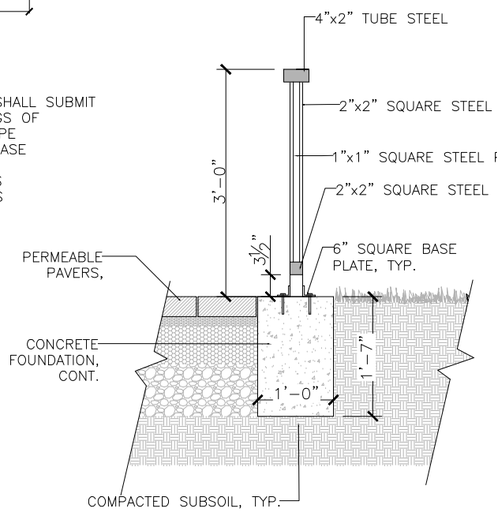
1/2" = 1'-0"



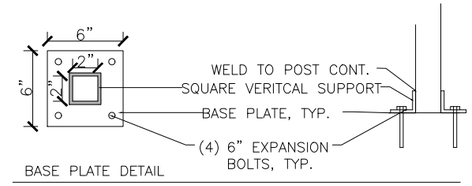
BENCH TYPE A

1/2" = 1'-0"

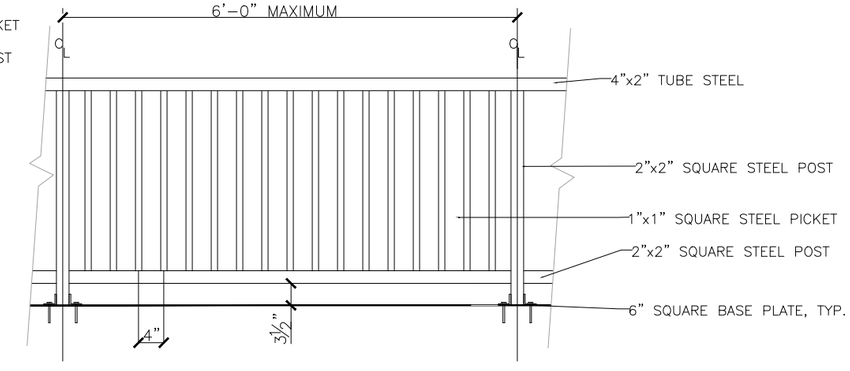
NOTE:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SPOTTING SCOPE STRUCTURAL BASE
2. FOOTINGS PER MANUFACTURES SPECIFICATIONS



SECTION DETAIL



BASE PLATE DETAIL

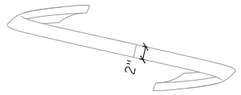


STEEL RAILING

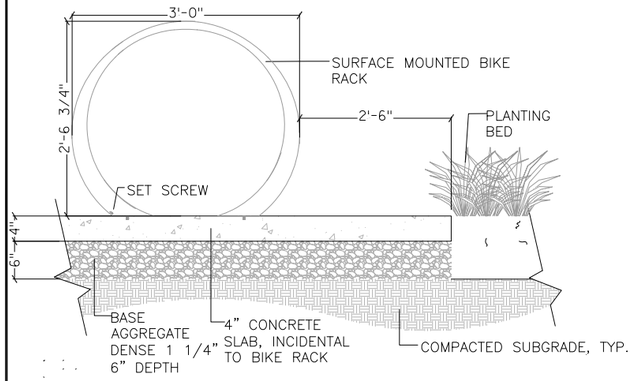
1/2" = 1'-0"

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	SITE FURNITURE DETAILS - EAGLE VIEWING AREA	SHEET E

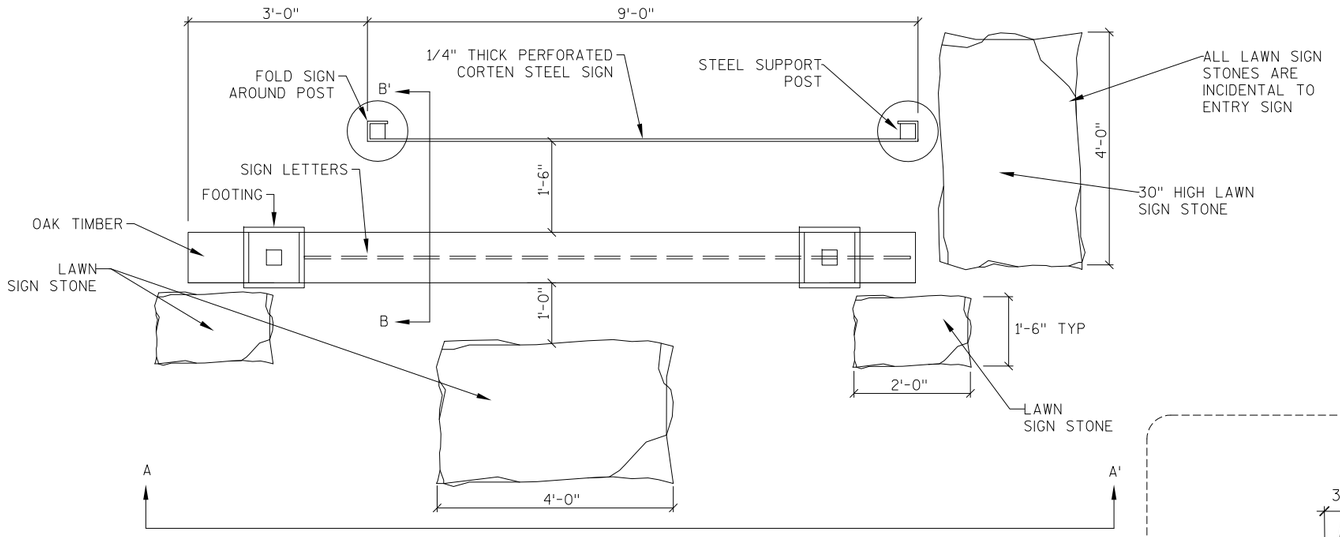
FILE NAME : V:\TRANS-EC\410627\DGN-DWG\PLRF\SITE DESIGN\SHEETSPLAN\AA_0682_021048 - SITE DETAILS.DWG
LAYOUT : DETAILS
PLOT DATE : 7/28/2016 10:35 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :



BIKE MOUNTING DETAIL TOP VIEW

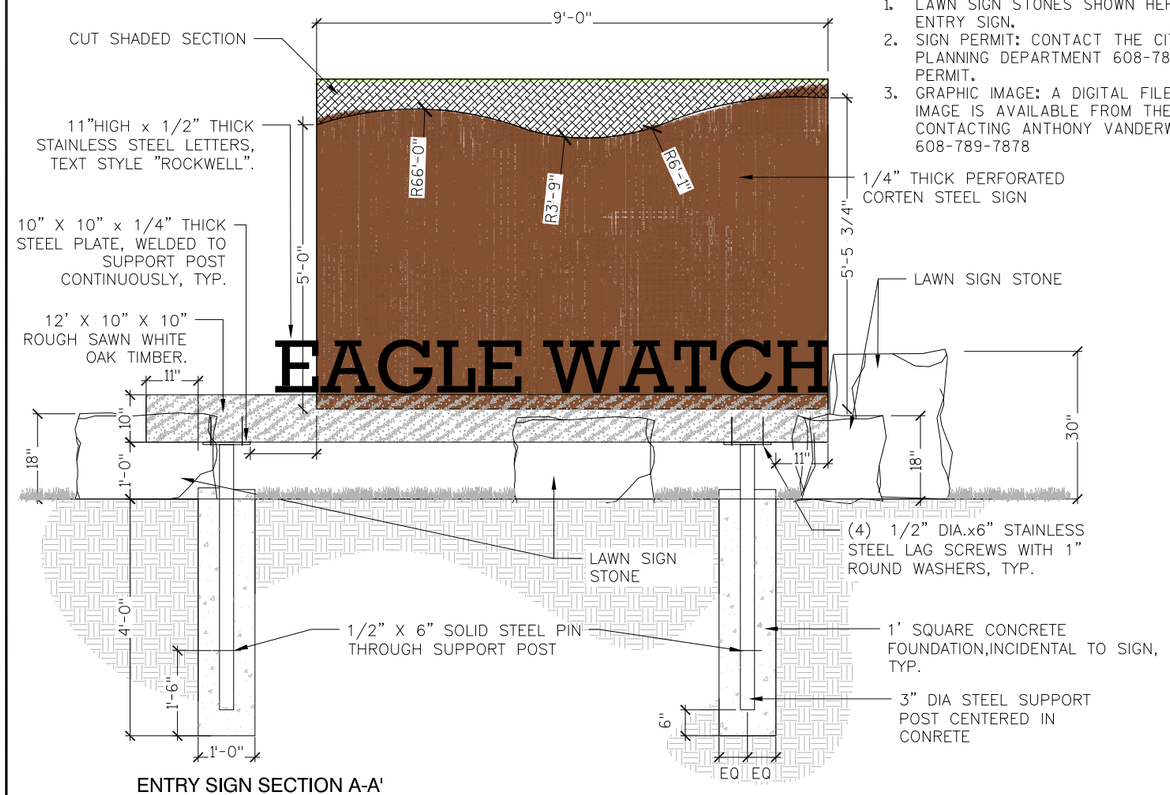


BIKE RACK

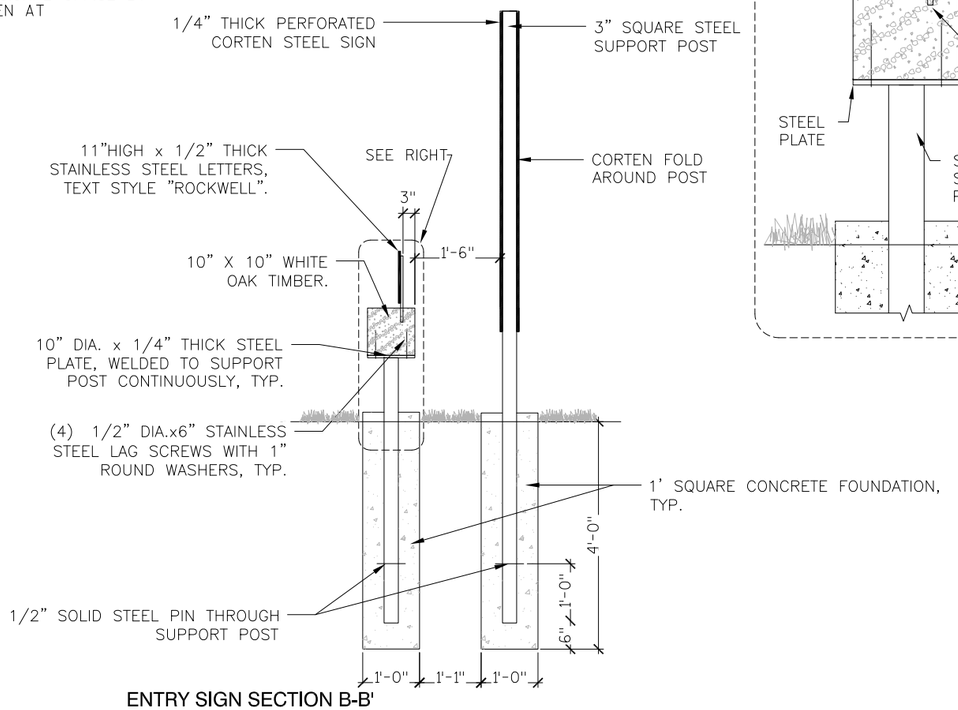


ENTRY SIGN PLAN

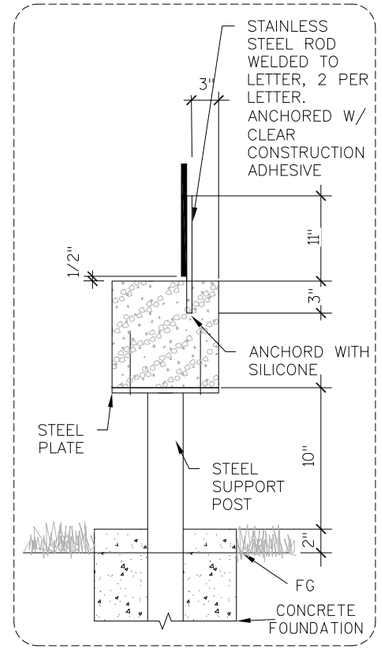
NOTE:
1. LAWN SIGN STONES SHOWN HERE ARE INCIDENTAL TO ENTRY SIGN.
2. SIGN PERMIT: CONTACT THE CITY OF LACROSSE PLANNING DEPARTMENT 608-789-7512 TO SECURE PERMIT.
3. GRAPHIC IMAGE: A DIGITAL FILE OF THE GRAPHIC IMAGE IS AVAILABLE FROM THE REGIONAL OFFICE BY CONTACTING ANTHONY VANDERWIELEN AT 608-789-7878



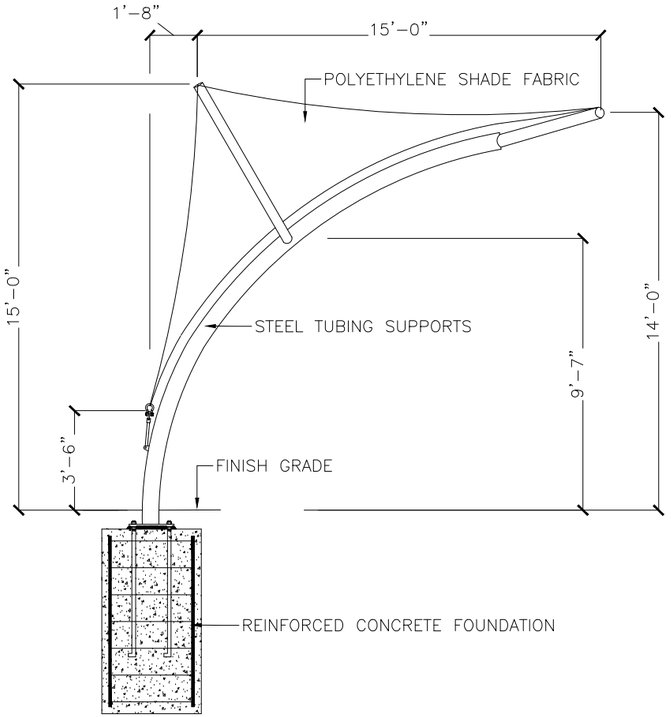
ENTRY SIGN SECTION A-A'



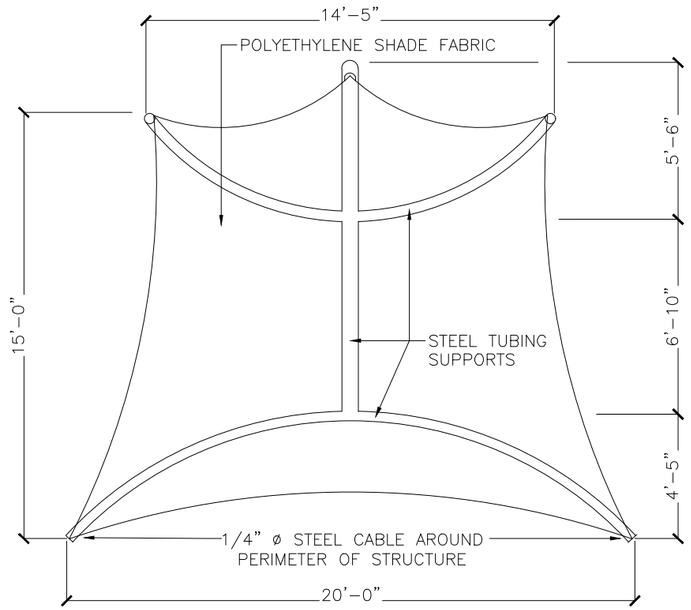
ENTRY SIGN SECTION B-B'



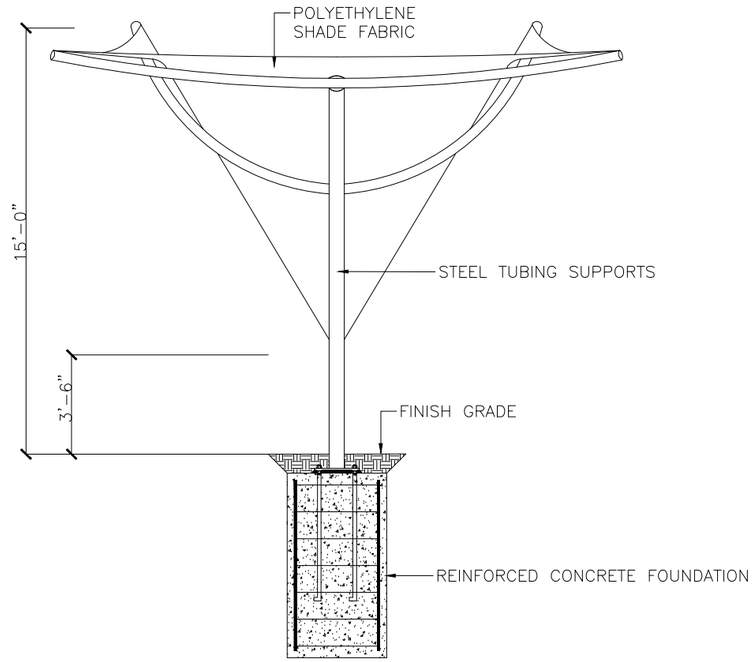
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ENTRY SIGN DETAILS - EAGLE VIEWING AREA	SHEET E



SHADE STRUCTURE ELEVATION
3/16" = 1'-0"



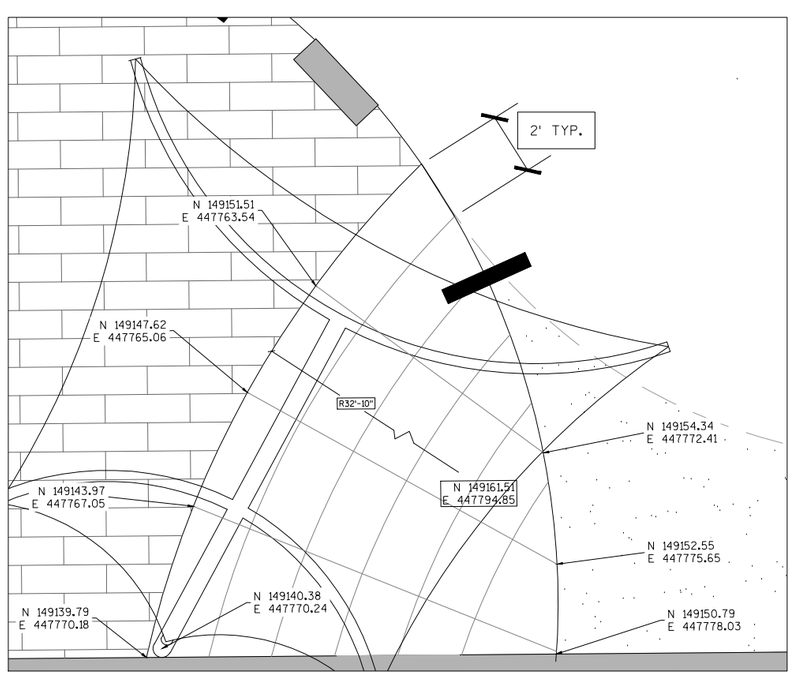
SHADE STRUCTURE TOP
3/16" = 1'-0"



SHADE STRUCTURE FRONT
3/16" = 1'-0"

CONTRACTOR NOTES:
1. SUBMIT SHOP DRAWINGS OF SHADE STRUCTURE SUPPORTS

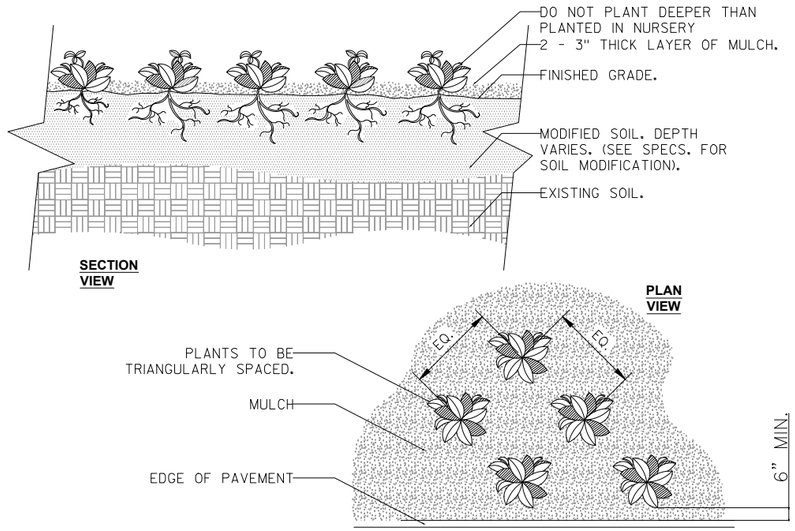
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE FROM DRAWING
3. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
4. WIND VELOCITY PER WISDOT STANDARD SPECIFICATIONS
5. FOOTINGS PER MANUFACTURES SPECIFICATIONS.



PAVEMENT SCORING PLAN

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	SHADE STRUCTURE DETAILS - EAGLE VIEWING AREA	SHEET E

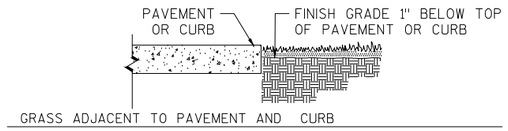
FILE NAME : V:\TRANS-EC\410627\DGN-DWG\PLRF\SITE DESIGN\SHEETSPLAN\AA_0682_021050 - SITE DETAILS.DWG
LAYOUT : DETAILS
PLOT DATE : 7/26/2016 11:14 AM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1"=20'
WISDOT/CADDS SHEET 42



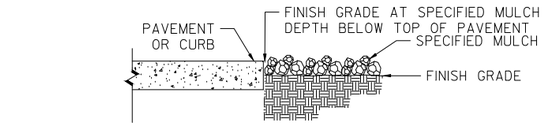
NOTES:
1- SEE PLANT DATA SHEET FOR PLANT SPECIES, AND SIZE. RE: PLAN FOR PLANT PLACEMENT AND SPACING.
2- SMALL ROOTS (¼" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING.
3- SETTLE SOIL AROUND ROOTS OF EACH PLANT PRIOR TO MULCHING.

PERENNIAL PLUG PLANTING DETAIL

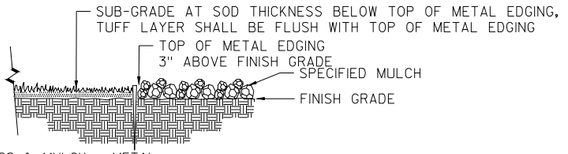
1/2" = 1'-0"



GRASS ADJACENT TO PAVEMENT AND CURB



MULCH ADJACENT TO PAVEMENT AND CURB



ADJACENT GRASS & MULCH - METAL EDGE

METAL MULCH BED EDGING

1 1/2" = 1'-0"

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLANTING DETAILS - EAGLE VIEWING AREA	SHEET E

FILE NAME : V:\TRANS-EC\410627\DGN-DWG\PLRF\SITE DESIGN\SHEETSPLAN\AA_0682_021051 - PLANTING DETAILS.DWG
LAYOUT : DETAILS
PLOT DATE : 9/29/2016 1:27 PM PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE :

2

PLANT DATA CHART

SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE (CAL. OR HT.) WHEN PLANTED	MODE	ROOT ZONE DIAM.	MINIMUM SIZE BALL/POT DEPTH	MINIMUM SIZE BALL/POT SPREAD	MINIMUM SIZE ROOT DIAM.	MINIMUM SIZE PLANT HOLE DEPTH	BRACE OR GUY REQ'D GUY	BRACE OR GUY REQ'D BRACE	FERT. UNITS REQ'D	RODENT PROTECT DIAM.	MULCH RING DIA. OR BED
	DECIDUOUS TREES															
EP	AMERICAN ELM	ULMUS AMERICANA `PRINCETON`	2	65'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
EV	AMERICAN ELM	ULMUS AMERICANA `VALLEY FORGE`	2	65'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
BO	BURR OAK	QUERCUS MACROCARPA	1	65'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
CH	COMMON HACKBERRY	CELTIS OCCIDENTALIS	2	50'	2"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
RO	RED OAK	QUERCUS RUBRA	1	65'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
RB	RIVER BIRCH	BETULA NIGRA	1	50'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
HL	SKYLINE HONEY LOCUST	GLEDITSIA TRIACANTHOS `SKYLINE`	1	40'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
CA	SPRING SNOW CRAB APPLE	MALUS X `SPRING SNOW`	3	20'	1.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
TH	THORNLESS HAWTHORN	CRATAEGUS CRUS-GALLI `INERMIS`	3	25'	1.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
WO	WHITE OAK	QUERCUS ALBA	2	65'	2.5"Cal	B&B	44"	16"		36"	16"	NO	NO	4	NO	72"/BED
	DECIDUOUS SHRUBS															
ID	ISANTI REDOSIER DOGWOOD	CORNUS SERICEA `ISANTI`	2	3'	2' Ht.	CG	-	-	14"	26"	11"	-	-	2	NO	BED
	PERENNIALS															
BF	BLUE FLAG IRIS	IRIS VERSICOLOR	-	30"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
BV	BLUE VERVAIN	VERBENA HASTATA		48"	Min. 2 Yrs.	CG										
BI	BLUE WILD INDIGO	BAPTISIA AUSTRALIS	-	42"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
BP	BLUE WILD INDIGO	BAPTISIA AUSTRALIS `PURPLE SMOKE`	-	42"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
FS	BROWN FOX SEDGE	CAREX VULPINOIDEA	-	24"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
CS	CYLINDRICAL BLAZING STAR	LIATRIS CYLINDRACEA		18"												
GI	GERMAN IRIS	IRIS GERMANICA `IMMORTALITY`	-	30"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
LT	LANCELEAF TICKSEED	COREOPSIS LANCEOLATA	-	18"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
MY	MOONSHINE YARROW	ACHILLEA X `MOONSHINE`	-	24"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
NO	NODDING WILD ONION	ALLIUM CERNUUM	-	18"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
PD	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS	-	24"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
PJ	PRAIRIE JUNEGRASS	KOELERIA MACRANTHA		24"												
PC	PRAIRIE SPLENDOR CONEFLOWER	ECHINACEA PURPUREA `PRAIRIE SPLENDOR`	-	24"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
DL	ROCKET CITY DAYLILY	HEMEROCALLIS X `ROCKET CITY`	-	36"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
SA	SKY-BLUE ASTER	ASTER AZUREUS	-	30"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
SG	SPIKE GAYFEATHER	LIATRIS SPICATA `KOBOLD`	-	24"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
GL	SUMMER BEAUTY GLOBE LILY	ALLIUM TANGUTICUM `SUMMER BEAUTY`	-	18"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED
YC	YELLOW CONEFLOWER	RATIBIDA PINNATA	-	48"	Min. 2 Yrs.	CG	-	-	-	-	-	-	-	-	-	BED

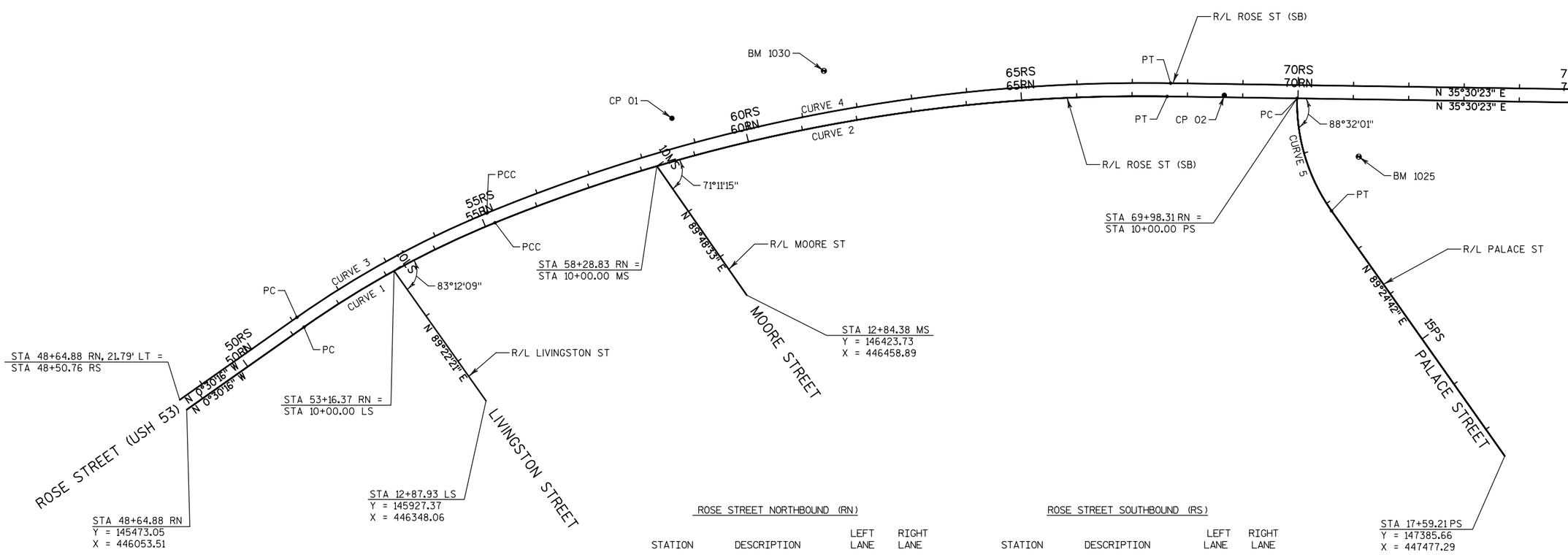
ROSE STREET	ROSE STREET	ROSE STREET	ROSE STREET	PALACE STREET
CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI= STA 53+22.29 RN	PI= STA 61+49.56 RN	PI= STA 53+06.86 RS	PI= STA 61+44.55 RS	PI= STA 11+12.92 PS
N = 145930.44	N = 146739.76	N = 145928.94	N = 146749.09	N = 147378.95
E = 446049.48	E = 446228.91	E = 446027.71	E = 446206.08	E = 446823.65
Δ = 13°00'16.94"	Δ = 23°00'22.33"	Δ = 12°46'28.6"	Δ = 23°14'10.7"	Δ = 36°05'41.5"
T = 198.09'	T = 630.88'	T = 197.02'	T = 642.30'	T = 110.78'
L = 394.48'	L = 1244.76'	L = 392.41	L = 1266.94'	L = 214.19'
R = 1738.00'	R = 3100.00'	R = 1760.00'	R = 3124.00'	R = 340.00'
PC = STA 51+24.20 RN	PCC = STA 55+18.68 RN	PC = STA 51+09.84 RS	PCC = STA 55+02.25 RS	PC = STA 10+02.13 PS
N = 145732.36	N = 146123.84	N = 145731.93	N = 146121.46	N = 147443.29
E = 446051.23	E = 446092.36	E = 446029.44	E = 446069.58	E = 446733.47
PCC = STA 55+18.68 RN	PT = STA 67+63.44 RN	PCC = STA 55+02.25 RS	PT = STA 67+69.19 RS	PT = STA 12+16.33 PS
N = 146123.84	N = 147253.33	N = 146121.46	N = 147271.95	N = 147380.08
E = 446092.36	E = 446595.32	E = 446069.58	E = 446579.12	E = 446934.43
BK = N 0°30'16.11" W	BK = N 12°30'00.84" E	BK = N 0°30'16.11" W	BK = N 12°16'12.51" E	BK = S 54°29'36.84" E
AH = N 12°30'00.84" E	AH = N 35°30'23.16" E	AH = N 12°16'12.51" E	AH = N 35°30'23.16" E	AH = N 89°24'41.63" E
SE = 3.1%	SE = 2.4%	SE = 3.1%	SE = 2.4%	SE = NC

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1030	61+53 RS, LT	CHIZ. SQUARE ON SE FLAGPOLE	647.31
		FOOTING. CONCRETE AT THE LA CROSSE	
		INDIANS PLAYING LA CROSSE STATUE	
1025	71+10 RN, RT	CHISELED "X" ON SW BOLT ON CITGO	647.41
		GAS SIGN LOCATED IN THE NE QUAD OF	
		PALACE ST. AND ROSE ST.	

CONTROL POINTS

NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION
CP01	146494.31	446118.79	REBAR W/ CAP ± 7 FT W. OF EA
CP02	147339.42	446652.42	REBAR W/ CAP ± 7 FT W. OF EA

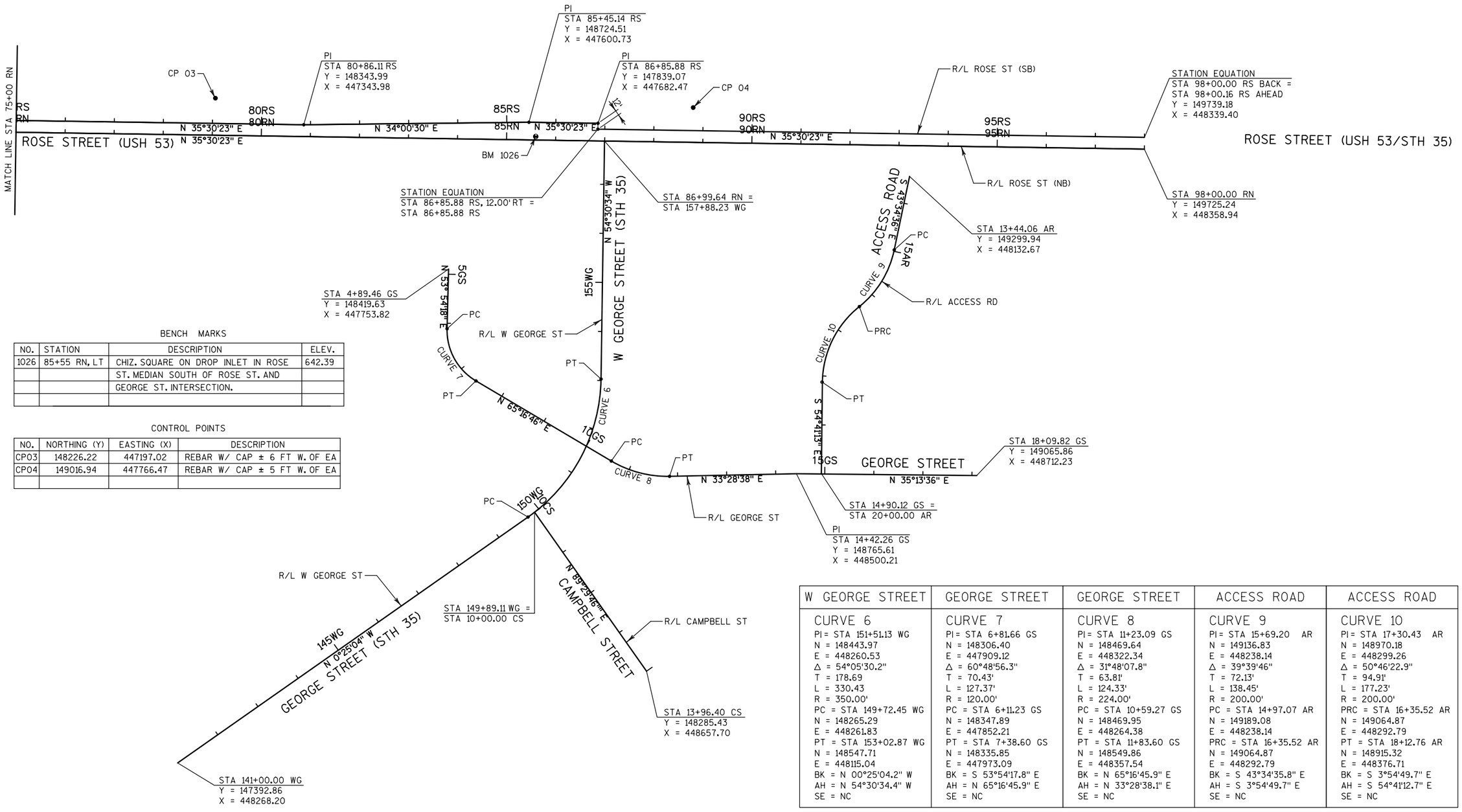


ROSE STREET NORTHBOUND (RN)

STATION		DESCRIPTION	LEFT LANE	RIGHT LANE
53+32	RN	MATCH EXISTING	0.00%	-2.00%
54+00	RN	BEGIN FULL SUPER	-3.10%	-3.10%
55+00	RN	FULL SUPER	-3.10%	-3.10%
55+25	RN	FULL SUPER	-2.40%	-2.40%
67+50	RN	END FULL SUPER	-2.40%	-2.40%
68+25	RN	BEGIN CROWN RUNOFF	0.00%	-2.00%
69+00	RN	BEGIN NORMAL CROWN	2.00%	-2.00%

ROSE STREET SOUTHBOUND (RS)

STATION		DESCRIPTION	LEFT LANE	RIGHT LANE
53+17.88	RS	MATCH EXISTING	-2.00%	-0.50%
53+75	RS		-2.00%	-2.00%
54+50	RS	END CROWN RUNOFF	0.00%	0.00%
55+25	RS	BEGIN FULL SUPER	2.40%	2.40%
67+50	RS	END FULL SUPER	2.40%	2.40%
68+25	RS	BEGIN CROWN RUNOFF	0.00%	2.00%
69+00	RS	BEGIN NORMAL CROWN	-2.00%	2.00%



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1026	85+55 RN, LT	CHIZ. SQUARE ON DROP INLET IN ROSE	642.39
		ST. MEDIAN SOUTH OF ROSE ST. AND	
		GEORGE ST. INTERSECTION.	

CONTROL POINTS

NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION
CP03	148226.22	447197.02	REBAR W/ CAP ± 6 FT W. OF EA
CP04	149016.94	447766.47	REBAR W/ CAP ± 5 FT W. OF EA

W GEORGE STREET	GEORGE STREET	GEORGE STREET	ACCESS ROAD	ACCESS ROAD
CURVE 6	CURVE 7	CURVE 8	CURVE 9	CURVE 10
PI= STA 151+51.13 WG	PI= STA 6+81.66 GS	PI= STA 11+23.09 GS	PI= STA 15+69.20 AR	PI= STA 17+30.43 AR
N = 148443.97	N = 148306.40	N = 148469.64	N = 149136.83	N = 148970.18
E = 448260.53	E = 447909.12	E = 448322.34	E = 448238.14	E = 448299.26
Δ = 54°05'30.2"	Δ = 60°48'56.3"	Δ = 31°48'07.8"	Δ = 39°39'46"	Δ = 50°46'22.9"
T = 178.69	T = 70.43'	T = 63.81'	T = 72.13'	T = 94.91'
L = 330.43	L = 127.37'	L = 124.33'	L = 138.45'	L = 177.23'
R = 350.00'	R = 120.00'	R = 224.00'	R = 200.00'	R = 200.00'
PC = STA 149+72.45 WG	PC = STA 6+11.23 GS	PC = STA 10+59.27 GS	PC = STA 14+97.07 AR	PRC = STA 16+35.52 AR
N = 148265.29	N = 148347.89	N = 148469.95	N = 149189.08	N = 149064.87
E = 448261.83	E = 447852.21	E = 448264.38	E = 448238.14	E = 448292.79
PT = STA 153+02.87 WG	PT = STA 7+38.60 GS	PT = STA 11+83.60 GS	PRC = STA 16+35.52 AR	PT = STA 18+12.76 AR
N = 148547.71	N = 148335.85	N = 148549.86	N = 149064.87	N = 148915.32
E = 448115.04	E = 447973.09	E = 448357.54	E = 448292.79	E = 448376.71
BK = N 00°25'04.2" W	BK = S 53°54'17.8" E	BK = N 65°16'45.9" E	BK = S 43°34'35.8" E	BK = S 3°54'49.7" E
AH = N 54°30'34.4" W	AH = N 65°16'45.9" E	AH = N 33°28'38.1" E	AH = S 3°54'49.7" E	AH = S 54°41'12.7" E
SE = NC	SE = NC	SE = NC	SE = NC	SE = NC

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	ALIGNMENT PLAN	SHEET 428	E

ROSE ST NORTHBOUND (RN)

Station	Description	LEFT	RIGHT
98+00.00	Begin Alignment	-2.00%	-2.00%
132+35.70	End Normal Crown	-2.00%	-2.00%
132+79.99	Level Crown	-2.00%	0.00%
133+24.27	Reverse Crown	-2.00%	2.00%
133+90.70	Begin Full Super	-5.80%	5.00%
139+90.41	End Full Super	-5.00%	5.00%
140+39.12	Begin Full Super	-2.80%	2.80%
155+24.09	End Full Super	-2.80%	2.80%
155+41.80	Reverse Crown	-2.00%	2.00%
155+86.09	Level Crown	-2.00%	0.00%
156+30.38	Begin Normal Crown	-2.00%	-2.00%
164+72.13	End Alignment	-2.00%	-2.00%

ROSE ST SOUTHBOUND (RS)

Station	Description	LEFT	RIGHT
98+14.27	Begin Alignment	-2.00%	-2.00%
132+07.29	End Normal Crown	-2.00%	-2.00%
132+73.72	Level Crown	-2.00%	0.00%
133+40.15	Reverse Crown	-2.00%	2.00%
133+66.72	Begin Full Super	-2.80%	2.80%
154+10.09	End Full Super	-2.80%	2.80%
154+36.09	Reverse Crown	-2.00%	2.00%
155+03.10	Level Crown	-2.00%	0.00%
155+70.09	Begin Normal Crown	-2.00%	-2.00%
164+72.13	End Alignment	-2.00%	-2.00%

E RAMP (E)

Station	Description	LEFT	RIGHT
180+38.66	Begin Alignment	2.00%	-2.00%
181+35.35	End Normal Crown	2.00%	-2.00%
182+96.44	Begin Full Super	6.00%	-6.00%
184+71.24	End Full Super	6.00%	-6.00%
185+77.90	Begin Normal Crown	2.00%	-2.00%
187+13.03	End Normal Crown	2.00%	-2.00%
187+95.69	Begin Full Super	6.00%	-6.00%
189+27.87	End Full Super	6.00%	-6.00%
190+10.54	Begin Normal Crown	2.00%	-2.00%
190+55.47	End Alignment	2.00%	-2.00%

F RAMP (F)

Station	Description	LEFT	RIGHT
183+89.60	Begin Alignment	2.00%	-2.00%
183+41.60	End Normal Crown	2.00%	-2.00%
184+40.27	Begin Full Super	2.00%	-2.00%
189+04.35	End Full Super	2.00%	-2.00%
190+03.02	Begin Normal Crown	2.00%	-2.00%
199+86.17	End Normal Crown	2.00%	-2.00%
200+92.84	Begin Full Super	6.00%	-6.00%
201+69.75	End Full Super	6.00%	-6.00%
202+76.42	Begin Normal Crown	2.00%	-2.00%
206+74.13	End Alignment	2.00%	-2.00%

G RAMP (G)

Station	Description	Left	Right
199+30.69	Begin Alignment	-2.00%	2.00%
199+61.99	End Normal Crown	2.00%	-2.00%
201+75.32	Begin Full Super	-6.00%	6.00%
206+83.18	End Full Super	-6.00%	6.00%
207+89.85	Begin Normal Crown	-2.00%	2.00%
212+78.55	End Alignment	-2.00%	2.00%

H RAMP (H)

Station	Description	Left	Right
185+58.82	Begin Alignment	-2.00%	2.00%
188+10.81	End Normal Crown	-2.00%	2.00%
189+06.81	Begin Full Super	-6.00%	6.00%
195+24.98	End Full Super	-6.00%	6.00%
196+20.98	Begin Normal Crown	-2.00%	2.00%
196+91.11	End Normal Crown	-2.00%	2.00%
197+25.50	Level Crown	0.00%	0.00%
198+23.50	Begin Full Super	5.70%	-5.70%
200+67.02	End Full Super	5.70%	-5.70%
201+65.02	Level Crown	0.00%	0.00%
201+99.41	Begin Normal Crown	-2.00%	2.00%
201+53.01	End Alignment	-2.00%	2.00%

ES TRAIL

PI STA = 32+15.01 ES
DELTA = 35°49'57"
D = 11°30'02"
T = 161.07'
L = 311.57'
R = 498.20'
Y = 149243.90
X = 447932.62
PC STA = 30+53.94 ES
PT STA = 33+65.51 ES

PI STA = 35+86.76 ES
DELTA = 22°29'44"
D = 5°09'01"
T = 221.24'
L = 436.78'
R = 1112.48'
Y = 149591.44
X = 448091.92
PC STA = 33+65.51 ES
PT STA = 38+02.30 ES

PI STA = 39+65.15 ES
DELTA = 46°39'33"
D = 15°10'25"
T = 162.85'
L = 307.50'
R = 377.60'
Y = 149852.80
X = 448373.38
PC STA = 38+02.30 ES
PT STA = 41+09.80 ES

PI STA = 42+54.23 ES
DELTA = 81°14'45"
D = 34°01'51"
T = 144.42'
L = 238.74'
R = 168.36'
Y = 150160.06
X = 448375.85
PC STA = 41+09.80 ES
PT STA = 43+48.54 ES

PI STA = 44+12.53 ES
DELTA = 46°12'03"
D = 38°11'50"
T = 63.98'
L = 120.95'
R = 150.00'
Y = 150190.12
X = 448582.08
PC STA = 43+48.54 ES
PT STA = 44+69.50 ES

LP TRAIL

PI STA = 70+72.31 LP
DELTA = 10°42'46"
D = 7°25'45"
T = 72.31'
L = 144.20'
R = 771.23'
Y = 150000.64
X = 448340.88
PC STA = 70+00.00 LP
PT STA = 71+44.20 LP

PI STA = 71+53.58 LP
DELTA = 5°57'49"
D = 31°49'52"
T = 9.38'
L = 18.74'
R = 180.00'
Y = 150082.31
X = 448339.14
PC STA = 71+44.20 LP
PT STA = 71+62.94 LP

PI STA = 72+57.16 LP
DELTA = 54°06'53"
D = 31°03'32"
T = 94.23'
L = 174.23'
R = 184.47'
Y = 150185.10
X = 448326.18
PC STA = 71+62.94 LP
PT STA = 73+37.17 LP

PI STA = 73+45.99 LP
DELTA = 33°54'46"
D = 198°06'17"
T = 8.82'
L = 17.12'
R = 28.92'
Y = 150234.58
X = 448235.79
PC STA = 73+37.17 LP
PT STA = 73+54.29 LP

BL TRAIL

PI STA = 51+21.94 BL
DELTA = 12°31'44"
D = 7°44'34"
T = 81.23'
L = 161.82'
R = 740.00'
Y = 149802.45
X = 448301.17
PC STA = 50+40.71 BL
PT STA = 52+02.53 BL

PI STA = 53+68.20 BL
DELTA = 54°44'41"
D = 17°54'18"
T = 165.68'
L = 305.75'
R = 320.00'
Y = 150042.99
X = 448356.90
PC STA = 52+02.53 BL
PT STA = 55+08.28 BL

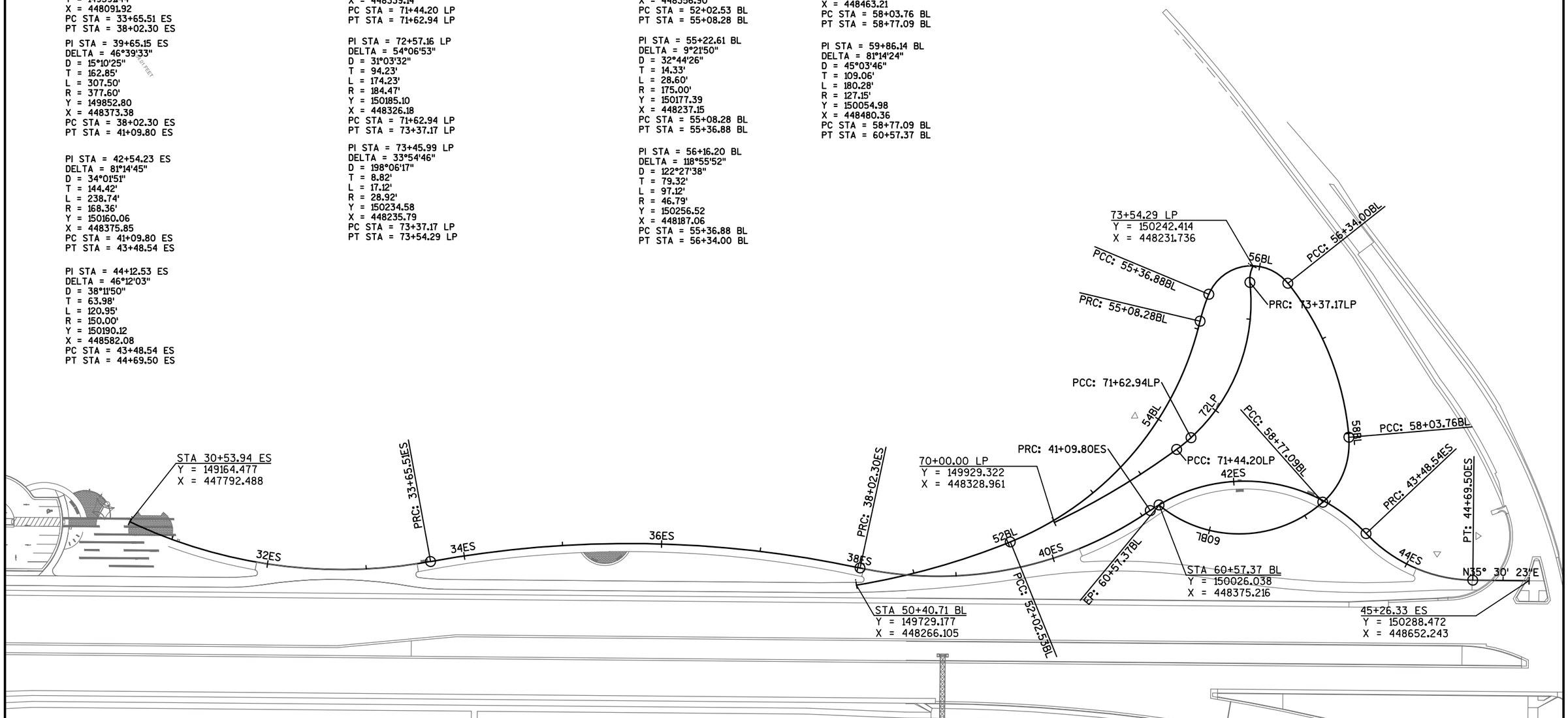
PI STA = 55+22.61 BL
DELTA = 9°21'50"
D = 32°44'26"
T = 14.33'
L = 28.60'
R = 175.00'
Y = 150177.39
X = 448237.15
PC STA = 55+08.28 BL
PT STA = 55+36.88 BL

PI STA = 56+16.20 BL
DELTA = 118°55'52"
D = 122°27'38"
T = 79.32'
L = 97.12'
R = 46.79'
Y = 150256.52
X = 448187.06
PC STA = 55+36.88 BL
PT STA = 56+34.00 BL

PI STA = 57+21.40 BL
DELTA = 33°35'47"
D = 19°47'25"
T = 87.40'
L = 169.76'
R = 289.52'
Y = 150266.42
X = 448353.49
PC STA = 56+34.00 BL
PT STA = 58+03.76 BL

PI STA = 58+43.30 BL
DELTA = 53°10'51"
D = 72°31'35"
T = 39.54'
L = 73.33'
R = 79.00'
Y = 150202.58
X = 448463.21
PC STA = 58+03.76 BL
PT STA = 58+77.09 BL

PI STA = 59+86.14 BL
DELTA = 81°14'24"
D = 45°03'46"
T = 109.06'
L = 180.28'
R = 127.15'
Y = 150054.98
X = 448480.36
PC STA = 58+77.09 BL
PT STA = 60+57.37 BL



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	ALIGNMENT PLAN - EAGLE VIEWING AREA	SHEET 430	E

2

'RS' ALIGNMENT DATA

P.I. DATA

P.I. 98+14.27 RS
Y 149739.18
X 448339.40

P.I. DATA

P.I. 119+17.13 RS
Y 151451.02
X 449560.73
△ = 0°19'12"

CURVE DATA

P.I. 144+87.15 RS
Y 153907.08
X 448582.19
△ = 54°35'48"
D = 2°34'05"
T = 1151.42'
L = 2125.90'
E = 279.61'
R = 2231.00'
P.C. 133+35.72
P.T. 154+61.63
S.E. 2.8%
L.R. 93.00'

P.I. DATA

P.I. 155+89.19 RS
Y 154745.74
X 450653.49

'GR' ALIGNMENT DATA

P.I. DATA

P.I. 20+00.00 GR
Y 152346.12
X 449957.05

P.I. DATA

P.I. 22+02.60 GR
Y 152226.97
X 450120.91

'FD' ALIGNMENT DATA

P.I. DATA

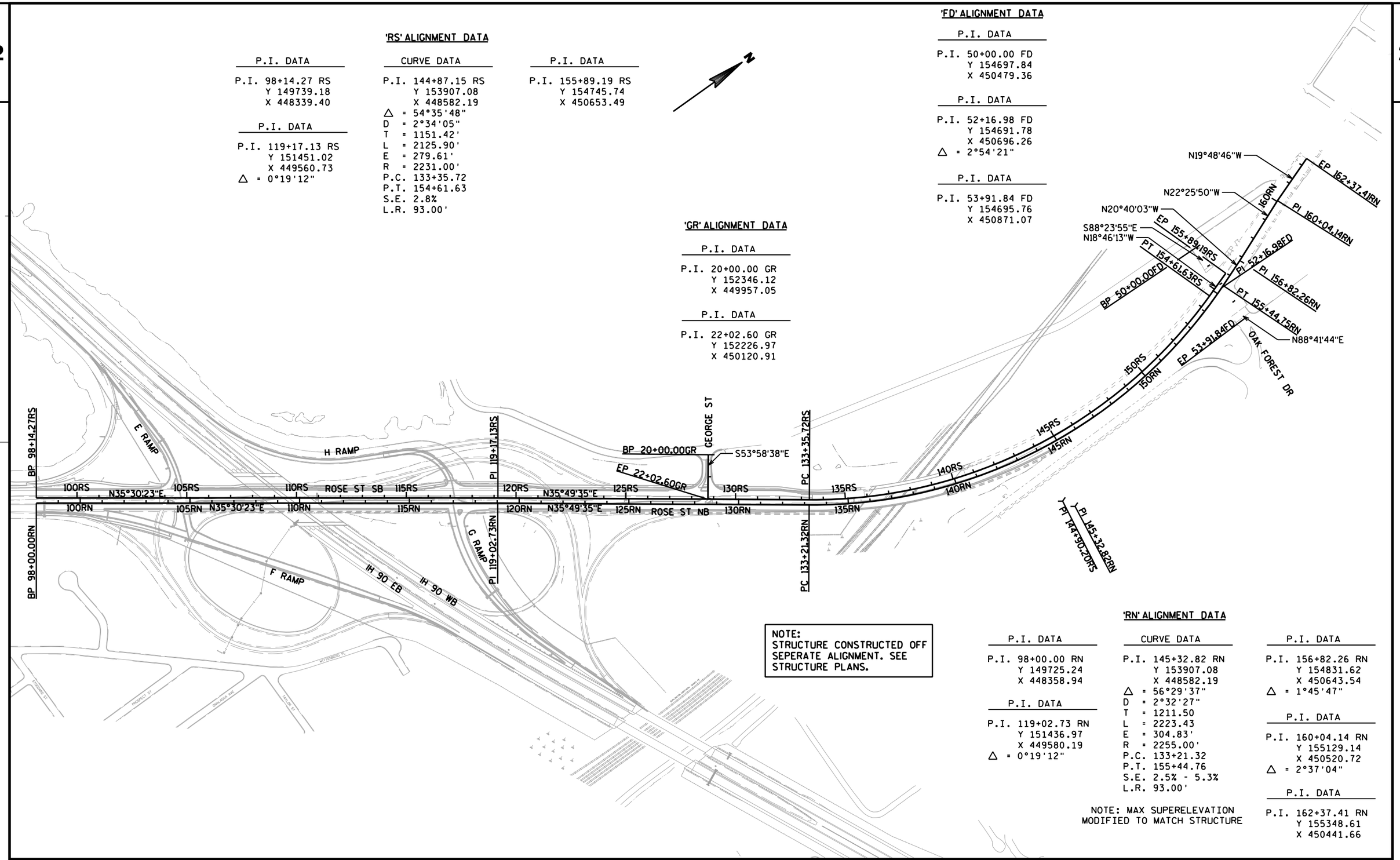
P.I. 50+00.00 FD
Y 154697.84
X 450479.36

P.I. DATA

P.I. 52+16.98 FD
Y 154691.78
X 450696.26
△ = 2°54'21"

P.I. DATA

P.I. 53+91.84 FD
Y 154695.76
X 450871.07



NOTE:
STRUCTURE CONSTRUCTED OFF SEPERATE ALIGNMENT. SEE STRUCTURE PLANS.

'RN' ALIGNMENT DATA

P.I. DATA

P.I. 98+00.00 RN
Y 149725.24
X 448358.94

P.I. DATA

P.I. 119+02.73 RN
Y 151436.97
X 449580.19
△ = 0°19'12"

CURVE DATA

P.I. 145+32.82 RN
Y 153907.08
X 448582.19
△ = 56°29'37"
D = 2°32'27"
T = 1211.50
L = 2223.43
E = 304.83'
R = 2255.00'
P.C. 133+21.32
P.T. 155+44.76
S.E. 2.5% - 5.3%
L.R. 93.00'

NOTE: MAX SUPERELEVATION MODIFIED TO MATCH STRUCTURE

P.I. DATA

P.I. 156+82.26 RN
Y 154831.62
X 450643.54
△ = 1°45'47"

P.I. DATA

P.I. 160+04.14 RN
Y 155129.14
X 450520.72
△ = 2°37'04"

P.I. DATA

P.I. 162+37.41 RN
Y 155348.61
X 450441.66

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	ALIGNMENT DIAGRAM	SHEET 431	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_027201_ad.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:400

H RAMP ALIGNMENT DATA

P.I. DATA	CURVE DATA	CURVE DATA	P.I. DATA
P.I. 185+58.82 H Y 150515.32 X 448206.84	P.I. 192+38.50 H Y 151415.85 X 448278.03 △ = 48°08'20" D = 6°44'28" T = 379.68' L = 714.15' E = 80.94' R = 850.00' P.C. 188+58.82 H P.T. 195+72.97 H S.E. 6.0% L.R. 144.00'	P.I. 199+85.60 H Y 151133.54 X 449312.57 △ = 88°28'45" D = 28°39'00" T = 194.76' L = 308.85' E = 79.16' R = 200.00' P.C. 197+90.84 H P.T. 200+99.69 H S.E. 6.0% L.R. 103.00'	P.I. 201+53.01 H Y 151291.19 X 449446.70

E RAMP ALIGNMENT DATA

P.I. DATA	CURVE DATA	CURVE DATA	P.I. DATA
P.I. 180+38.66 E Y 150273.04 X 447721.92	P.I. 183+06.93 E Y 148982.17 X 448154.08 △ = 10°00'38" D = 4°14'40" T = 118.24' L = 235.87' E = 5.17' R = 1350.00' P.C. 181+88.69 E P.T. 184+24.56 E S.E. 6.0% L.R. 160.00'	P.I. 188+82.52 E Y 149794.09 X 448453.33 △ = 26°13'57" D = 10°25'05" T = 128.15' L = 251.81' E = 14.73' R = 550.00' P.C. 187+54.37 E P.T. 190+06.18 E S.E. 6.0% L.R. 124.00'	P.I. 190+55.47 E Y 150276.22 X 448722.56

FA RAMP ALIGNMENT DATA

P.I. DATA

P.I. 189+03.07 FA
Y 150263.22
X 448742.77

P.I. DATA

P.I. 190+69.91 FA
Y 150196.94
X 448895.19

F RAMP ALIGNMENT DATA

CURVE DATA

P.I. 186+74.66 F
Y 149959.06
X 448573.67
△ = 17°59'52"
D = 3°10'59"
T = 285.06'
L = 565.42'
E = 22.43'
R = 1800.00'
P.C. 183+89.60 F
Y 149727.01
X 448408.11
P.T. 189+55.02 F
S.E. SEE SUPERELEVATION
L.R. TABLES

CURVE DATA

P.I. 202+07.15 F
Y 150873.33
X 449809.41
△ = 14°09'24"
D = 4°14'39"
T = 167.63'
L = 333.56'
E = 10.37'
R = 1350.00'
P.C. 200+39.52 F
P.T. 203+73.07 F
S.E. SEE SUPERELEVATION
L.R. TABLES

P.I. DATA

P.I. 206+74.13 F
Y 151060.57
X 450239.01

G RAMP ALIGNMENT DATA

P.I. DATA

P.I. 199+30.69 G
Y 151270.52
X 449461.43

CURVE DATA

P.I. 202+40.29 G
Y 152024.20
X 449856.49
△ = 35°10'12"
D = 6°44'28"
T = 269.39'
L = 521.76'
E = 41.67'
R = 850.00'
P.C. 199+70.90 G
P.C.C204+92.66 G
S.E. 6.0%
L.R. 144.00'

CURVE DATA

P.I. 206+14.92 G
Y 152516.28
X 449767.81
△ = 10°20'57"
D = 4°14'40"
T = 122.26'
L = 243.85'
E = 5.53'
R = 1350.00'
P.C.C204+92.66 G
P.T. 207+36.51 G
S.E. 6.0%
L.R. 160.00'

P.I. DATA

P.I. 212+78.55 G
Y 151442.72
X 450749.54

NOTE:
SEE PLAN & PROFILE SHEETS
FOR ALIGNMENT INFORMATION
FOR TEMPORARY ALIGNMENTS.

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	ALIGNMENT DIAGRAM	SHEET 432	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_027202_ad.dgn PLOT DATE : 7/20/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 42

2

'MP' ALIGNMENT DATA

P.I. DATA

P.I. 10+68.12 MP
Y 148935.44
X 447709.45

CURVE DATA

P.I. 14+19.73 MP
Y 149221.67
X 447913.67
△ = 9°26'48"
D = 28°38'52"
T = 16.53'
L = 32.98'
E = 0.68'
R = 200.00'
P.C. 14+03.21 MP
P.R.C14+36.18 MP

CURVE DATA

P.I. 15+12.72 MP
Y 149305.27
X 447954.55
△ = 18°53'36"
D = 12°27'20"
T = 76.54'
L = 151.69'
E = 6.32'
R = 460.00'
P.R.C14+36.18 MP
P.R.C15+87.87 MP

CURVE DATA

P.I. 16+04.39 MP
Y 149371.13
X 448020.30
△ = 9°26'48"
D = 28°38'52"
T = 16.53'
L = 32.98'
E = 0.68'
R = 200.00'
P.R.C15+87.87 MP
P.T. 16+20.84 MP

CURVE DATA

P.I. 21+07.27 MP
Y 149780.56
X 448312.41
△ = 9°17'00"
D = 4°29'37"
T = 103.53'
L = 206.60'
E = 4.20'
R = 1275.08'
P.C. 20+03.74 MP
P.R.C22+10.34 MP

CURVE DATA

P.I. 23+08.99 MP
Y 149961.92
X 448401.74
△ = 9°32'57"
D = 18°40'24"
T = 98.65'
L = 195.55'
E = 8.06'
R = 600.00'
P.R.C22+10.34 MP
P.R.C24+05.88 MP

CURVE DATA

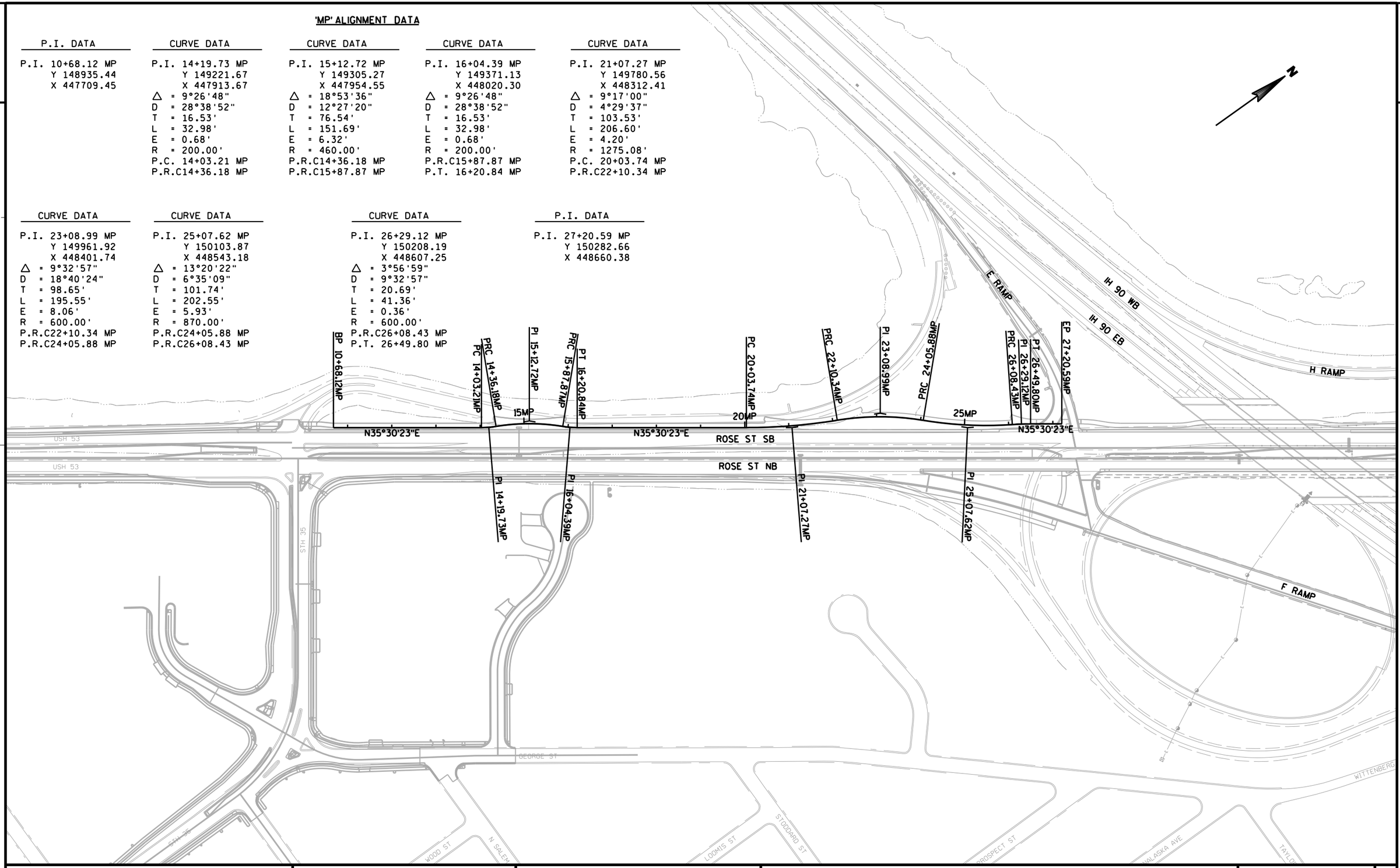
P.I. 25+07.62 MP
Y 150103.87
X 448543.18
△ = 13°20'22"
D = 6°35'09"
T = 101.74'
L = 202.55'
E = 5.93'
R = 870.00'
P.R.C24+05.88 MP
P.R.C26+08.43 MP

CURVE DATA

P.I. 26+29.12 MP
Y 150208.19
X 448607.25
△ = 3°56'59"
D = 9°32'57"
T = 20.69'
L = 41.36'
E = 0.36'
R = 600.00'
P.R.C26+08.43 MP
P.T. 26+49.80 MP

P.I. DATA

P.I. 27+20.59 MP
Y 150282.66
X 448660.38



PROJECT NO: 1071-06-82/83	HWY: USH 53/STH 35	COUNTY: LA CROSSE	ALIGNMENT DIAGRAM	SHEET 433	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\ad_0682_027203_ad.dgn PLOT DATE : 9/29/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 42

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
0010	201.0105	Clearing	STA	84.000	30.000	52.000		2.000
0020	201.0120	Clearing	ID	8.000	8.000			
0030	201.0205	Grubbing	STA	84.000	30.000	52.000		2.000
0040	201.0220	Grubbing	ID	8.000	8.000			
0050	203.0100	Removing Small Pipe Culverts	EACH	26.000	2.000	23.000		1.000
0060	203.0200	Removing Old Structure (station) 01. 122+00 RN	LS	1.000		1.000		
0070	203.0200	Removing Old Structure (station) 02. 237+66.50 NB	LS	1.000				1.000
0080	203.0210.S	Abatement of Asbestos Containing Material (structure) 01. B-32-67	LS	1.000				1.000
0090	204.0100	Removing Pavement	SY	86,338.000	48,068.000	36,350.000		1,920.000
0100	204.0110	Removing Asphaltic Surface	SY	7,892.000	7,892.000			
0110	204.0115	Removing Asphaltic Surface Butt Joints	SY	350.000	350.000			
0120	204.0150	Removing Curb & Gutter	LF	13,261.000	11,239.000	2,022.000		
0130	204.0155	Removing Concrete Sidewalk	SY	1,252.000	1,076.000	176.000		
0140	204.0165	Removing Guardrail	LF	6,464.000	892.000	5,132.000		440.000
0150	204.0170	Removing Fence	LF	3,822.000	1,232.000	2,270.000		320.000
0160	204.0175	Removing Concrete Slope Paving	SY	285.000		285.000		
0170	204.0180	Removing Delineators and Markers	EACH	181.000		177.000		4.000
0180	204.0190	Removing Surface Drains	EACH	8.000		4.000		4.000
0190	204.0195	Removing Concrete Bases	EACH	31.000	31.000			
0200	204.0210	Removing Manholes	EACH	15.000	10.000	4.000	1.000	
0210	204.0220	Removing Inlets	EACH	56.000	36.000	18.000		2.000
0220	204.0235	Removing Buildings (parcel) 01. Parcel 29	LS	1.000	1.000			
0230	204.0235	Removing Buildings (parcel) 02. Parcel 33	LS	1.000	1.000			
0240	204.0235	Removing Buildings (parcel) 03. Parcel 34	LS	1.000	1.000			
0250	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	839.000	839.000			
0260	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	659.000	659.000			
0270	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	1,379.000	1,379.000			
0280	204.0245	Removing Storm Sewer (size) 04. 30-Inch	LF	120.000	120.000			
0290	204.0245	Removing Storm Sewer (size) 05. 36-Inch	LF	561.000	561.000			
0300	204.0270	Abandoning Culvert Pipes	EACH	7.000		7.000		
0310	204.9060.S	Removing (item description) 01. Business Sign	EACH	2.000	2.000			
0320	204.9060.S	Removing (item description) 01. Flexible Tubular Marker Post and Bases	EACH	61.000		61.000		
0330	205.0100	Excavation Common	CY	234,964.000	19,675.000	212,801.000		2,488.000
0340	206.1000	Excavation for Structures Bridges (structure) 01. B-32-67	LS	1.000				1.000
0350	208.0100	Borrow	CY	10,926.000		10,926.000		
0360	208.1100	Select Borrow	CY	11,022.000	1,738.000	9,184.000		100.000
0370	209.0200.S	Backfill Controlled Low Strength	CY	365.000	270.000	95.000		
0380	210.1500	Backfill Structure Type A	TON	190.000				190.000
0390	213.0100	Finishing Roadway (project) 01. 1071-06-83	EACH	1.000		1.000		
0400	213.0100	Finishing Roadway (project) 02. 7190-03-72	EACH	1.000				1.000
0410	213.0100	Finishing Roadway (project) 03. 1071-06-82	EACH	1.000	1.000			
0420	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,880.000	560.000	2,270.000		50.000
0430	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	81,027.000	33,407.000	45,670.000		1,950.000
0440	312.0110	Select Crushed Material	TON	300.000	100.000	150.000		50.000

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
0450	405.0100	Coloring Concrete WisDOT Red	CY	264.600	192.000	72.600		
0460	415.0090	Concrete Pavement 9-Inch	SY	84,236.000	43,829.000	38,446.000		1,961.000
0470	415.0210	Concrete Pavement Gaps	EACH	13.000	8.000	5.000		
0480	415.0410	Concrete Pavement Approach Slab	SY	155.000				155.000
0490	415.1090	Concrete Pavement HES 9-Inch	SY	1,385.000	1,385.000			
0500	415.6000.S	Rout and Seal	LF	6,352.000		6,352.000		
0510	416.0160	Concrete Driveway 6-Inch	SY	800.000	800.000			
0520	416.0610	Drilled Tie Bars	EACH	678.000	366.000	40.000		272.000
0530	416.0620	Drilled Dowel Bars	EACH	310.000	222.000	56.000		32.000
0540	440.4410	Incentive IRI Ride	DOL	15,200.000	7,950.000	6,700.000		550.000
0550	460.2000	Incentive Density HMA Pavement	DOL	1,370.000	1,020.000	350.000		
0560	460.5224	HMA Pavement 4 LT 58-28 S	TON	2,102.000	1,582.000	520.000		
0570	460.6224	HMA Pavement 4 MT 58-28 S	TON	45.000		45.000		
0580	465.0105	Asphaltic Surface	TON	2,094.000	899.000	1,150.000		45.000
0590	465.0125	Asphaltic Surface Temporary	TON	6,857.000	1,977.000	4,720.000		160.000
0600	465.0310	Asphaltic Curb	LF	75.000	75.000			
0610	465.0315	Asphaltic Flumes	SY	104.000		104.000		
0620	502.0100	Concrete Masonry Bridges	CY	620.000				620.000
0630	502.3100	Expansion Device (structure) 01. B-32-67	LS	1.000				1.000
0640	502.3210	Pigmented Surface Sealer	SY	415.000				415.000
0650	502.4205	Adhesive Anchors No. 5 Bar	EACH	378.000				378.000
0660	504.0900	Concrete Masonry Endwalls	CY	3.000		3.000		
0670	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	103,620.000				103,620.000
0680	509.1500	Concrete Surface Repair	SF	20.000				20.000
0690	509.5100.S	Polymer Overlay	SY	3,760.000				3,760.000
0700	509.9020.S	Epoxy Crack Sealing	LF	100.000				100.000
0710	511.1100	Temporary Shoring	SF	12,485.000		12,485.000		
0720	511.1200	Temporary Shoring (structure) 01. 7190-03.72	SF	200.000				200.000
0730	513.4091	Railing Tubular Screening (structure) 01. B-32-67	LF	425.000				425.000
0740	516.0500	Rubberized Membrane Waterproofing	SY	26.000				26.000
0750	517.0900.S	Preparation and Coating of Top Flanges (structure) 01. B-32-67	LS	1.000				1.000
0760	517.1010.S	Concrete Staining (structure) 01. B-32-67	SF	2,680.000				2,680.000
0770	517.1015.S	Concrete Staining Multi-Color (structure) 01. B-32-67	SF	2,515.000				2,515.000
0780	517.1050.S	Architectural Surface Treatment (structure) 01. B-32-67	SF	2,515.000				2,515.000
0790	517.3000.S	Structure Overcoating Cleaning and Priming (structure) 01. B-32-67	LS	1.000				1.000
0800	517.4000.S	Containment and Collection of Waste Materials (structure) 01. B-32-67	LS	1.000				1.000
0810	520.2012	Culvert Pipe Temporary 12-Inch	LF	515.000	31.000	484.000		
0820	520.2015	Culvert Pipe Temporary 15-Inch	LF	474.000		237.000		237.000
0830	520.2018	Culvert Pipe Temporary 18-Inch	LF	624.000	258.000	366.000		
0840	520.2024	Culvert Pipe Temporary 24-Inch	LF	100.000		100.000		
0850	520.2036	Culvert Pipe Temporary 36-Inch	LF	22.000		22.000		
0860	520.8000	Concrete Collars for Pipe	EACH	10.000	3.000	7.000		
0870	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000		1.000		
0880	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	7.000		7.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
0890	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	15.000	10.000	4.000		1.000
0900	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	11.000	3.000	8.000		
0910	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	3.000	2.000	1.000		
0920	522.1054	Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	EACH	2.000		2.000		
0930	601.0105	Concrete Curb Type A	LF	77.000	77.000			
0940	601.0342	Concrete Curb & Gutter Integral 18-Inch	LF	202.000	202.000			
0950	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	22,929.000	11,874.000	9,485.000		1,570.000
0960	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	3,229.000	2,494.000	735.000		
0970	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	503.000		503.000		
0980	601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF	41.000				41.000
0990	602.0405	Concrete Sidewalk 4-Inch	SF	47,350.000	20,237.000	27,113.000		
1000	602.0410	Concrete Sidewalk 5-Inch	SF	52,470.000	51,296.000	1,174.000		
1010	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	1,102.000	692.000	410.000		
1020	602.1500	Concrete Steps	SF	235.000	235.000			
1030	603.1142	Concrete Barrier Type S42	LF	141.000		141.000		
1040	603.8000	Concrete Barrier Temporary Precast Delivered	LF	721.000		416.000		305.000
1050	603.8125	Concrete Barrier Temporary Precast Installed	LF	721.000		416.000		305.000
1060	604.0400	Slope Paving Concrete	SY	1,440.000				1,440.000
1070	606.0100	Riprap Light	CY	27.000		23.000		4.000
1080	606.0200	Riprap Medium	CY	490.000	490.000			
1090	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,338.000	813.000	448.000		77.000
1100	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	633.000		561.000		72.000
1110	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	4,333.000	3,263.000	741.000		329.000
1120	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	2,453.000	1,323.000	1,130.000		
1130	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	486.000	486.000			
1140	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	977.000	458.000	519.000		
1150	608.0354	Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	LF	523.000		523.000		
1160	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	36.000	36.000			
1170	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	115.000	115.000			
1180	611.0420	Reconstructing Manholes	EACH	3.000	1.000		2.000	
1190	611.0430	Reconstructing Inlets	EACH	1.000				1.000
1200	611.0606	Inlet Covers Type B	EACH	1.000	1.000			
1210	611.0624	Inlet Covers Type H	EACH	179.000	123.000	49.000		7.000
1220	611.0642	Inlet Covers Type MS	EACH	17.000	6.000	8.000		3.000
1230	611.1004	Catch Basins 4-FT Diameter	EACH	27.000	27.000			
1240	611.1005	Catch Basins 5-FT Diameter	EACH	10.000	10.000			
1250	611.1006	Catch Basins 6-FT Diameter	EACH	3.000	3.000			
1260	611.1230	Catch Basins 2x3-FT	EACH	78.000	50.000	26.000		2.000

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
1270	611.2004	Manholes 4-FT Diameter	EACH	4.000	1.000	3.000		
1280	611.2005	Manholes 5-FT Diameter	EACH	3.000	3.000			
1290	611.2006	Manholes 6-FT Diameter	EACH	6.000	6.000			
1300	611.2008	Manholes 8-FT Diameter	EACH	1.000		1.000		
1310	611.3004	Inlets 4-FT Diameter	EACH	17.000	8.000	6.000		3.000
1320	611.3230	Inlets 2x3-FT	EACH	43.000	26.000	15.000		2.000
1330	611.3901	Inlets Median 1 Grate	EACH	3.000		2.000		1.000
1340	611.3902	Inlets Median 2 Grate	EACH	8.000	4.000	3.000		1.000
1350	611.8110	Adjusting Manhole Covers	EACH	8.000	7.000		1.000	
1360	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000			
1370	611.8120.S	Cover Plates Temporary	EACH	31.000	8.000	20.000		3.000
1380	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	200.000				200.000
1390	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	392.000	392.000			
1400	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000				4.000
1410	614.0805	Crash Cushions Permanent Low Maintenance	EACH	1.000		1.000		
1420	614.0905	Crash Cushions Temporary	EACH	1.000				1.000
1430	614.1000	MGS Guardrail Temporary	LF	12.000				12.000
1440	614.1100	MGS Guardrail Temporary Thrie Beam Transition	LF	38.000				38.000
1450	614.1200	MGS Guardrail Temporary Terminal EAT	EACH	2.000		1.000		1.000
1460	614.2300	MGS Guardrail 3	LF	1,225.000		1,175.000		50.000
1470	614.2500	MGS Thrie Beam Transition	LF	92.000		16.000		76.000
1480	614.2610	MGS Guardrail Terminal EAT	EACH	4.000		2.000		2.000
1490	614.2620	MGS Guardrail Terminal Type 2	EACH	4.000		4.000		
1500	616.0206	Fence Chain Link 6-FT	LF	3,733.000		3,463.000		270.000
1510	616.0329	Gates Chain Link (width) 01. 12-FT	EACH	1.000		1.000		
1520	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1071-06-83	EACH	1.000		1.000		
1530	618.0100	Maintenance And Repair of Haul Roads (project) 02. 7190-03-72	EACH	1.000				1.000
1540	619.1000	Mobilization	EACH	1.000	0.450	0.450		0.100
1550	620.0300	Concrete Median Sloped Nose	SF	1,988.000	1,244.000	744.000		
1560	624.0100	Water	MGAL	2,335.000	1,235.000	1,000.000		100.000
1570	625.0500	Salvaged Topsoil	SY	203,410.000	40,810.000	153,880.000		8,720.000
1580	627.0200	Mulching	SY	255,786.000	45,810.000	196,576.000		13,400.000
1590	628.1104	Erosion Bales	EACH	50.000	50.000			
1600	628.1504	Silt Fence	LF	18,605.000	6,700.000	11,450.000		455.000
1610	628.1520	Silt Fence Maintenance	LF	18,605.000	6,700.000	11,450.000		455.000
1620	628.1905	Mobilizations Erosion Control	EACH	45.000	15.000	15.000		15.000
1630	628.1910	Mobilizations Emergency Erosion Control	EACH	24.000	8.000	8.000		8.000
1640	628.2004	Erosion Mat Class I Type B	SY	29,870.000	25,500.000	4,040.000		330.000
1650	628.6510	Soil Stabilizer Type B	ACRE	10.000	10.000			
1660	628.7005	Inlet Protection Type A	EACH	237.000	168.000	65.000		4.000
1670	628.7015	Inlet Protection Type C	EACH	208.000	149.000	53.000		6.000
1680	628.7504	Temporary Ditch Checks	LF	585.000	220.000	305.000		60.000
1690	628.7555	Culvert Pipe Checks	EACH	90.000	10.000	80.000		
1700	628.7560	Tracking Pads	EACH	12.000	8.000	2.000		2.000
1710	629.0210	Fertilizer Type B	CWT	139.100	31.000	100.100		8.000
1720	630.0120	Seeding Mixture No. 20	LB	4,778.000	644.000	3,850.000		284.000
1730	630.0140	Seeding Mixture No. 40	LB	347.000	103.000	206.000		38.000
1740	630.0160	Seeding Mixture No. 60	LB	28.000		28.000		
1750	630.0200	Seeding Temporary	LB	4,446.000	1,118.000	3,168.000		160.000

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
1760	630.0300	Seeding Borrow Pit	LB	187.000	68.000	85.000		34.000
1770	631.1000	Sod Lawn	SY	1,426.000	1,426.000			
1780	632.0101	Trees (species) (size) (root) 01. River Birch, B&B, 2.5" CAL	EACH	12.000		12.000		
1790	632.0101	Trees (species) (size) (root) 02. Common Hackberry B&B, 2" CAL	EACH	3.000	3.000			
1800	632.0101	Trees (species) (size) (root) 03. Thornless Hawthorn, B&B, 1.5" CAL	EACH	27.000	17.000	10.000		
1810	632.0101	Trees (species) (size) (root) 04. Skyline Honeylocust, B&B, 2.5" CAL	EACH	11.000		11.000		
1820	632.0101	Trees (species) (size) (root) 05. Spring Snow Crabapple, B&B, 1.5" CAL	EACH	13.000	8.000	5.000		
1830	632.0101	Trees (species) (size) (root) 06. White Oak, B&B, 2.5" CAL	EACH	22.000	8.000	14.000		
1840	632.0101	Trees (species) (size) (root) 07. Burr Oak, B&B, 2.5" CAL	EACH	11.000	6.000	5.000		
1850	632.0101	Trees (species) (size) (root) 08. Red Oak, B&B, 2.5" CAL	EACH	17.000	3.000	14.000		
1860	632.0101	Trees (species) (size) (root) 09. Princeton American Elm, B&B, 2.5" CAL	EACH	18.000	8.000	10.000		
1870	632.0101	Trees (species) (size) (root) 10. Valley Forge Elm, B&B, 2.5" CAL	EACH	5.000		5.000		
1880	632.0201	Shrubs (species) (size) (root) 01. Isanti Dogwood, CG, #5 Cont.	EACH	24.000		24.000		
1890	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	40.000	20.000	20.000		
1900	633.0100	Delineator Posts Steel	EACH	37.000		37.000		
1910	633.0500	Delineator Reflectors	EACH	40.000		40.000		
1920	633.1100	Delineators Temporary	EACH	17.000				17.000
1930	633.5200	Markers Culvert End	EACH	31.000	19.000	11.000		1.000
1940	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	6.000		6.000		
1950	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	100.000	46.000	54.000		
1960	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	61.000	44.000	17.000		
1970	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	17.000	6.000	11.000		
1980	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	11.000		11.000		
1990	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	1.000		1.000		
2000	635.0200	Sign Supports Structural Steel HS	LB	1,500.000	1,500.000			
2010	636.0100	Sign Supports Concrete Masonry	CY	42.800	2.800	40.000		
2020	636.1000	Sign Supports Steel Reinforcement HS	LB	166.000	166.000			
2030	636.1500	Sign Supports Steel Coated Reinforcement HS	LB	5,500.000		5,500.000		
2040	637.1220	Signs Type I Reflective SH	SF	2,128.000	750.000	1,378.000		
2050	637.2210	Signs Type II Reflective H	SF	1,292.060	560.220	731.840		
2060	637.2215	Signs Type II Reflective H Folding	SF	234.140	137.160	96.980		
2070	637.2220	Signs Type II Reflective SH	SF	4.500	4.500			
2080	637.2230	Signs Type II Reflective F	SF	234.250	126.750	107.500		
2090	638.2102	Moving Signs Type II	EACH	48.000	31.000	17.000		
2100	638.2601	Removing Signs Type I	EACH	26.000	5.000	21.000		
2110	638.2602	Removing Signs Type II	EACH	144.000	101.000	43.000		
2120	638.3000	Removing Small Sign Supports	EACH	158.000	99.000	59.000		
2130	638.3100	Removing Structural Steel Sign Supports	EACH	2.000		2.000		
2140	638.3620	Erecting State Owned Signs Type II	EACH	3.000		3.000		
2150	638.4000	Moving Small Sign Supports	EACH	52.000	31.000	21.000		
2160	641.1200	Sign Bridge Cantilevered (structure) 02. S-32-54	LS	1.000		1.000		
2170	641.6600	Sign Bridge (structure) 01. S-32-51	LS	1.000		1.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
2180	641.6600	Sign Bridge (structure) 05. S-32-65	LS	1.000		1.000		
2190	641.8100	Overhead Sign Support (structure) 01. S-32-55	LS	1.000		1.000		
2200	641.8100	Overhead Sign Support (structure) 02. S-32-56	LS	1.000		1.000		
2210	641.8100	Overhead Sign Support (structure) 03. S-32-50	LS	1.000	1.000			
2220	641.8100	Overhead Sign Support (structure) 04. S-32-52	LS	1.000	1.000			
2230	641.8100	Overhead Sign Support (structure) 05. S-32-66	LS	1.000	1.000			
2240	641.8100	Overhead Sign Support (structure) 06. S-32-68	LS	1.000	1.000			
2250	641.8100	Overhead Sign Support (structure) 40. S-32-53	LS	1.000		1.000		
2260	642.5201	Field Office Type C	EACH	1.000	0.450	0.450		0.100
2270	643.0200.S	Traffic Control Surveillance and Maintenance (project) 01. 1071-06-83	DAY	222.000		222.000		
2280	643.0200.S	Traffic Control Surveillance and Maintenance (project) 02. 7190-03-72	DAY	222.000				222.000
2290	643.0200.S	Traffic Control Surveillance and Maintenance (project) 03. 1071-06-82	DAY	222.000	222.000			
2300	643.0300	Traffic Control Drums	DAY	70,391.000	18,091.000	43,700.000		8,600.000
2310	643.0410	Traffic Control Barricades Type II	DAY	625.000	625.000			
2320	643.0420	Traffic Control Barricades Type III	DAY	14,921.000	7,211.000	7,300.000		410.000
2330	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	496.000	187.000	249.000		60.000
2340	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	496.000	187.000	249.000		60.000
2350	643.0705	Traffic Control Warning Lights Type A	DAY	20,708.000	5,378.000	14,500.000		830.000
2360	643.0715	Traffic Control Warning Lights Type C	DAY	4,694.000	2,324.000	570.000		1,800.000
2370	643.0800	Traffic Control Arrow Boards	DAY	816.000	301.000	280.000		235.000
2380	643.0900	Traffic Control Signs	DAY	33,628.000	9,428.000	18,700.000		5,500.000
2390	643.0910	Traffic Control Covering Signs Type I	EACH	10.000		10.000		
2400	643.0920	Traffic Control Covering Signs Type II	EACH	6.000		6.000		
2410	643.1000	Traffic Control Signs Fixed Message	SF	416.250	27.000	389.250		
2420	643.1050	Traffic Control Signs PCMS	DAY	1,587.000	32.000	1,420.000		135.000
2430	643.2000	Traffic Control Detour (project) 01. 1071-06-83	EACH	1.000		1.000		
2440	643.3000	Traffic Control Detour Signs	DAY	35,000.000		35,000.000		
2450	645.0120	Geotextile Type HR	SY	837.000	837.000			
2460	645.0130	Geotextile Type R	SY	89.000		76.000		13.000
2470	646.0103	Pavement Marking Paint 4-Inch	LF	240.000		240.000		
2480	646.0600	Removing Pavement Markings	LF	39,919.000	4,350.000	32,736.000		2,833.000
2490	646.0842.S	Pavement Marking Grooved Contrast Wet Reflective Epoxy 4-Inch	LF	47,819.000	18,300.000	23,576.000		5,943.000
2500	646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF	1,024.000		1,024.000		
2510	646.0844.S	Pavement Marking Grooved Contrast Wet Reflective Epoxy 8-Inch	LF	6,012.000	3,385.000	2,627.000		
2520	647.0153	Pavement Marking Arrows Paint Type 1	EACH	2.000		2.000		
2530	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	44.000	26.000	18.000		
2540	647.0176	Pavement Marking Arrows Epoxy Type 3	EACH	3.000	1.000	2.000		
2550	647.0253	Pavement Marking Symbols Paint	EACH	1.000		1.000		
2560	647.0356	Pavement Marking Words Epoxy	EACH	45.000	28.000	17.000		
2570	647.0456	Pavement Marking Curb Epoxy	LF	632.000	370.000	262.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
2580	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	711.000	394.000	317.000		
2590	647.0606	Pavement Marking Island Nose Epoxy	EACH	24.000	17.000	7.000		
2600	647.0653	Pavement Marking Parking Stall Paint	LF	504.000		504.000		
2610	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	215.000	215.000			
2620	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	2,233.000	1,704.000	529.000		
2630	647.0955	Removing Pavement Markings Arrows	EACH	5.000	1.000	4.000		
2640	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	5,977.000	1,200.000	3,387.000		1,390.000
2650	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	87,529.000	37,670.000	45,340.000		4,519.000
2660	649.0801	Temporary Pavement Marking Removable Tape 8-Inch	LF	1,290.000	870.000	420.000		
2670	649.0802	Temporary Pavement Marking Paint 8-Inch	LF	6,390.000	1,205.000	5,185.000		
2680	649.1100	Temporary Pavement Marking Stop Line 18-Inch	LF	591.000	190.000	401.000		
2690	649.1200	Temporary Pavement Marking Stop Line Removable Tape 18-Inch	LF	181.000		181.000		
2700	649.1800	Temporary Pavement Marking Arrows Removable Tape	EACH	11.000	7.000	4.000		
2710	649.1802	Temporary Pavement Marking Arrows Paint	EACH	31.000	6.000	25.000		
2720	649.2000	Temporary Pavement Marking Words Removable Tape	EACH	6.000	4.000	2.000		
2730	649.2002	Temporary Pavement Marking Words Paint	EACH	12.000	3.000	9.000		
2740	650.4000	Construction Staking Storm Sewer	EACH	249.000	157.000	82.000		10.000
2750	650.4500	Construction Staking Subgrade	LF	35,737.000	12,043.000	22,142.000		1,552.000
2760	650.5000	Construction Staking Base	LF	13,820.000	1,185.000	11,802.000		833.000
2770	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,278.000	2,543.000	735.000		
2780	650.6500	Construction Staking Structure Layout (structure) 01. B-32-67	LS	1.000				1.000
2790	650.6500	Construction Staking Structure Layout (structure) 02. S-32-54	LS	1.000		1.000		
2800	650.6500	Construction Staking Structure Layout (structure) 03. S-32-55	LS	1.000		1.000		
2810	650.6500	Construction Staking Structure Layout (structure) 04. S-32-56	LS	1.000		1.000		
2820	650.6500	Construction Staking Structure Layout (structure) 05. S-32-65	LS	1.000		1.000		
2830	650.6500	Construction Staking Structure Layout (structure) 06. S-32-51	LS	1.000		1.000		
2840	650.6500	Construction Staking Structure Layout (structure) 40. S-32-53	LS	1.000		1.000		
2850	650.6500	Construction Staking Structure Layout (structure) 50. S-32-50	LS	1.000	1.000			
2860	650.6500	Construction Staking Structure Layout (structure) 51. S-32-52	LS	1.000	1.000			
2870	650.6500	Construction Staking Structure Layout (structure) 52. S-32-66	LS	1.000	1.000			
2880	650.6500	Construction Staking Structure Layout (structure) 53. S-32-68	LS	1.000	1.000			
2890	650.7000	Construction Staking Concrete Pavement	LF	21,946.000	10,887.000	10,340.000		719.000
2900	650.8500	Construction Staking Electrical Installations (project) 01. 1071-06-82	LS	1.000	1.000			
2910	650.8500	Construction Staking Electrical Installations (project) 02. 1071-06-83	LS	1.000		1.000		
2920	650.8500	Construction Staking Electrical Installations (project) 03. 7190-03-72	LS	1.000				1.000

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
2930	650.9910	Construction Staking Supplemental Control (project) 01. 1071-06-83	LS	1.000		1.000		
2940	650.9910	Construction Staking Supplemental Control (project) 02. 7190-03-72	LS	1.000				1.000
2950	650.9910	Construction Staking Supplemental Control (project) 03. 1071-06-82	LS	1.000	1.000			
2960	650.9920	Construction Staking Slope Stakes	LF	36,287.000	12,043.000	22,692.000		1,552.000
2970	652.0125	Conduit Rigid Metallic 2-Inch	LF	24.000				24.000
2980	652.0205	Conduit Rigid Nonmetallic Schedule 40 3/4-Inch	LF	318.000		318.000		
2990	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	30,913.000	17,620.000	10,212.000		3,081.000
3000	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	5,645.000	3,206.000	2,439.000		
3010	652.0800	Conduit Loop Detector	LF	1,605.000	645.000	960.000		
3020	653.0135	Pull Boxes Steel 24x36-Inch	EACH	2.000		2.000		
3030	653.0140	Pull Boxes Steel 24x42-Inch	EACH	2.000		2.000		
3040	653.0220	Junction Boxes 18x6x6-Inch	EACH	4.000				4.000
3050	653.0905	Removing Pull Boxes	EACH	24.000	24.000			
3060	654.0101	Concrete Bases Type 1	EACH	21.000	13.000	8.000		
3070	654.0102	Concrete Bases Type 2	EACH	14.000	7.000	7.000		
3080	654.0105	Concrete Bases Type 5	EACH	5.000		5.000		
3090	654.0106	Concrete Bases Type 6	EACH	29.000	4.000	19.000		6.000
3100	654.0110	Concrete Bases Type 10	EACH	4.000	2.000	2.000		
3110	654.0113	Concrete Bases Type 13	EACH	11.000	6.000	5.000		
3120	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	5.000	3.000	2.000		
3130	654.0230	Concrete Control Cabinet Bases Type L30	EACH	3.000	3.000			
3140	655.0210	Cable Traffic Signal 3-14 AWG	LF	435.000	315.000	120.000		
3150	655.0230	Cable Traffic Signal 5-14 AWG	LF	3,778.000	1,614.000	2,164.000		
3160	655.0240	Cable Traffic Signal 7-14 AWG	LF	4,897.000	2,074.000	2,823.000		
3170	655.0250	Cable Traffic Signal 9-14 AWG	LF	3,385.000	2,109.000	1,276.000		
3180	655.0260	Cable Traffic Signal 12-14 AWG	LF	3,145.000	2,258.000	887.000		
3190	655.0305	Cable Type UF 2-12 AWG Grounded	LF	5,000.000	2,625.000	2,375.000		
3200	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	1,650.000		1,650.000		
3210	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	6,412.000	3,560.000	2,852.000		
3220	655.0610	Electrical Wire Lighting 12 AWG	LF	20,790.000	7,935.000	10,215.000		2,640.000
3230	655.0615	Electrical Wire Lighting 10 AWG	LF	5,592.000	3,213.000	2,379.000		
3240	655.0620	Electrical Wire Lighting 8 AWG	LF	2,510.000		2,510.000		
3250	655.0630	Electrical Wire Lighting 4 AWG	LF	54,750.000	49,482.000			5,268.000
3260	655.0635	Electrical Wire Lighting 2 AWG	LF	6,759.000		5,916.000		843.000
3270	655.0700	Loop Detector Lead In Cable	LF	13,646.000	4,802.000	8,844.000		
3280	655.0800	Loop Detector Wire	LF	5,265.000	2,045.000	3,220.000		
3290	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. USH 53 & Palace	LS	1.000	1.000			
3300	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. USH 53 & STH 35	LS	1.000	1.000			
3310	656.0200	Electrical Service Meter Breaker Pedestal (location) 03. STH 35 & W George	LS	1.000	1.000			
3320	656.0200	Electrical Service Meter Breaker Pedestal (location) 04. City of LaCrosse LC1	LS	1.000	1.000			
3330	656.0200	Electrical Service Meter Breaker Pedestal (location) 05. City of LaCrosse LC2	LS	1.000	1.000			

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
3340	656.0200	Electrical Service Meter Breaker Pedestal (location) 06. City of LaCrosse LC3	LS	1.000	1.000			
3350	656.0200	Electrical Service Meter Breaker Pedestal (location) 07. USH 53 & IH 90 EB	LS	1.000		1.000		
3360	656.0200	Electrical Service Meter Breaker Pedestal (location) 08. USH 53 & IH 90 WB	LS	1.000		1.000		
3370	657.0100	Pedestal Bases	EACH	22.000	13.000	9.000		
3380	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	42.000	11.000	23.000		8.000
3390	657.0315	Poles Type 4	EACH	14.000	7.000	7.000		
3400	657.0327	Poles Type 6-Aluminum	EACH	25.000	4.000	13.000		8.000
3410	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	15.000	9.000	6.000		
3420	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	6.000	3.000	3.000		
3430	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000			
3440	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	22.000	10.000	12.000		
3450	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	49.000	8.000	25.000		16.000
3460	657.1350	Install Poles Type 10	EACH	4.000	2.000	2.000		
3470	657.1360	Install Poles Type 13	EACH	11.000	6.000	5.000		
3480	657.1520	Install Monotube Arms 20-FT	EACH	2.000	1.000	1.000		
3490	657.1530	Install Monotube Arms 30-FT	EACH	2.000	1.000	1.000		
3500	657.1535	Install Monotube Arms 35-FT	EACH	1.000		1.000		
3510	657.1545	Install Monotube Arms 45-FT	EACH	3.000	2.000	1.000		
3520	657.1550	Install Monotube Arms 50-FT	EACH	2.000	1.000	1.000		
3530	657.1555	Install Monotube Arms 55-FT	EACH	5.000	3.000	2.000		
3540	657.1815	Install Luminaire Arms Steel 15-FT	EACH	7.000	5.000	2.000		
3550	658.0110	Traffic Signal Face 3-12 Inch Vertical	EACH	67.000	40.000	27.000		
3560	658.0115	Traffic Signal Face 4-12 Inch Vertical	EACH	17.000	8.000	9.000		
3570	658.0215	Backplates Signal Face 3 Section 12-Inch	EACH	67.000	40.000	27.000		
3580	658.0220	Backplates Signal Face 4 Section 12-Inch	EACH	17.000	8.000	9.000		
3590	658.0416	Pedestrian Signal Face 16-Inch	EACH	29.000	21.000	8.000		
3600	658.0500	Pedestrian Push Buttons	EACH	30.000	21.000	9.000		
3610	658.0600	Led Modules 12-Inch Red Ball	EACH	64.000	36.000	28.000		
3620	658.0605	Led Modules 12-Inch Yellow Ball	EACH	55.000	31.000	24.000		
3630	658.0610	Led Modules 12-Inch Green Ball	EACH	55.000	31.000	24.000		
3640	658.0615	Led Modules 12-Inch Red Arrow	EACH	20.000	11.000	9.000		
3650	658.0620	Led Modules 12-Inch Yellow Arrow	EACH	41.000	22.000	19.000		
3660	658.0625	Led Modules 12-Inch Green Arrow	EACH	34.000	18.000	16.000		
3670	658.0635	Led Modules Pedestrian Countdown Timer 16-Inch	EACH	29.000	21.000	8.000		
3680	658.5069	Signal Mounting Hardware (location) 01. USH 53 & Palace	LS	1.000	1.000			
3690	658.5069	Signal Mounting Hardware (location) 02. USH 53 & STH 35	LS	1.000	1.000			
3700	658.5069	Signal Mounting Hardware (location) 03. STH 35 & W George	LS	1.000	1.000			
3710	658.5069	Signal Mounting Hardware (location) 04. 103 RN+69	LS	1.000		1.000		
3720	658.5069	Signal Mounting Hardware (location) 05. 117 RN+35	LS	1.000		1.000		
3730	659.1125	Luminaires Utility LED C	EACH	78.000	23.000	39.000		16.000

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
3740	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	3.000	3.000			
3750	661.0200	Temporary Traffic Signals for Intersections (location) 01. STH 35 and George Street	LS	1.000	1.000			
3760	661.0200	Temporary Traffic Signals for Intersections (location) 02. STH 35 and USH 53	LS	1.000	1.000			
3770	661.0200	Temporary Traffic Signals for Intersections (location) 03. Palace Street and USH 53	LS	1.000	1.000			
3780	661.0200	Temporary Traffic Signals for Intersections (location) 04. Eastbound Ramp Terminal	LS	1.000		1.000		
3790	661.0200	Temporary Traffic Signals for Intersections (location) 05. Westbound Ramp Terminal	LS	1.000		1.000		
3800	662.1037.S	Ramp Closure Gates Hardwired 37-FT	EACH	2.000		2.000		
3810	662.1040.S	Ramp Closure Gates Hardwired 40-FT	EACH	1.000		1.000		
3820	676.0300	Signal Assembly Advance Flasher Type 1	EACH	1.000		1.000		
3830	678.0036	Install Fiber Optic Cable Outdoor Plant 36-CT	LF	12,545.000	5,123.000	7,422.000		
3840	678.0200	Fiber Optic Splice Enclosure	EACH	8.000	3.000	5.000		
3850	678.0300	Fiber Optic Splice	EACH	64.000	24.000	40.000		
3860	690.0150	Sawing Asphalt	LF	6,936.000	6,557.000	376.000		3.000
3870	690.0250	Sawing Concrete	LF	3,597.000	3,402.000	195.000		
3880	715.0415	Incentive Strength Concrete Pavement	DOL	25,615.000	13,565.000	11,470.000		580.000
3890	715.0502	Incentive Strength Concrete Structures	DOL	3,720.000				3,720.000
3900	999.1500.S	Crack and Damage Survey	LS	1.000	1.000			
3910	ASP.1T0A	On-the-Job Training Apprentice at $5. 00/HR	HRS	2,100.000	2,100.000			
3920	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	6,480.000	6,480.000			
3930	SPV.0035	Special 02. Planting Soil Mix	CY	1,896.000	1,364.000	532.000		
3940	SPV.0035	Special 03. Colored Concrete Bands	CY	15.000		15.000		
3950	SPV.0060	Special 01. Moonshine Yarrow	EACH	582.000	255.000	327.000		
3960	SPV.0060	Special 02. Nodding Wild Onion	EACH	1,037.000	297.000	740.000		
3970	SPV.0060	Special 03. Summer Beauty Globe Lily	EACH	1,111.000	410.000	701.000		
3980	SPV.0060	Special 04. Sky-Blue Aster	EACH	149.000	26.000	123.000		
3990	SPV.0060	Special 05. Blue Wild Indigo	EACH	47.000	47.000			
4000	SPV.0060	Special 06. Connecting To Existing Inlets	EACH	7.000	3.000	3.000		1.000
4010	SPV.0060	Special 07. Blue Wild Indigo 'Purple Smoke'	EACH	55.000	55.000			
4020	SPV.0060	Special 08. Brown Fox Sedge	EACH	247.000		247.000		
4030	SPV.0060	Special 09. Lanceleaf Tickseed	EACH	855.000		855.000		
4040	SPV.0060	Special 11. Prairie Splendor Coneflower	EACH	548.000	69.000	479.000		
4050	SPV.0060	Special 12. Rocket City Daylily	EACH	184.000	184.000			
4060	SPV.0060	Special 13. German Iris	EACH	305.000	305.000			
4070	SPV.0060	Special 14. Plaza Seat Stone Type A	EACH	4.000		4.000		
4080	SPV.0060	Special 15. Plaza Seat Stone Type B	EACH	6.000		6.000		
4090	SPV.0060	Special 16. Plaza Seat Stone Type C	EACH	3.000		3.000		
4100	SPV.0060	Special 17. Lawn Seat Stone Type A	EACH	3.000		3.000		
4110	SPV.0060	Special 18. Lawn Seat Stone Type B	EACH	5.000		5.000		
4120	SPV.0060	Special 19. Lawn Seat Stone Type C	EACH	4.000		4.000		
4130	SPV.0060	Special 20. Bench Type A	EACH	7.000		7.000		
4140	SPV.0060	Special 21. Bike Rack	EACH	3.000		3.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
4150	SPV.0060	Special 22. Surface Mounted Trash Receptacle	EACH	2.000		2.000		
4160	SPV.0060	Special 23. Bearing Repair	EACH	8.000				8.000
4170	SPV.0060	Special 25. Spotting Scope Type B	EACH	1.000		1.000		
4180	SPV.0060	Special 26. Decorative Lighting Unit 20-Foot	EACH	2.000		2.000		
4190	SPV.0060	Special 27. Decorative Bollard	EACH	6.000		6.000		
4200	SPV.0060	Special 28. Concrete Bollard Base	EACH	6.000		6.000		
4210	SPV.0060	Special 29. Spotting Scope Type A	EACH	2.000		2.000		
4220	SPV.0060	Special 30. Inlets 5-FT Diameter	EACH	1.000		1.000		
4230	SPV.0060	Special 31. Inlets 6-FT Diameter	EACH	1.000		1.000		
4240	SPV.0060	Special 32. Sanitary Manhole Covers	EACH	4.000			4.000	
4250	SPV.0060	Special 33. Blue Flag Iris	EACH	248.000	48.000	200.000		
4260	SPV.0060	Special 34. Prairie June Grass	EACH	618.000		618.000		
4270	SPV.0060	Special 35. Cylindrical Blazing Star	EACH	166.000		166.000		
4280	SPV.0060	Special 36. Spike Gayfeather	EACH	57.000		57.000		
4290	SPV.0060	Special 37. Yellow Coneflower	EACH	866.000	43.000	823.000		
4300	SPV.0060	Special 38. Prairie Dropseed	EACH	902.000		902.000		
4310	SPV.0060	Special 39. Blue Vervain	EACH	237.000	74.000	163.000		
4320	SPV.0060	Special 45. Corporation Stop 2-Inch	EACH	1.000	1.000			
4330	SPV.0060	Special 46. Service Stop 2-Inch	EACH	1.000	1.000			
4340	SPV.0060	Special 47. D.I. Fitting Plug 8-Inch	EACH	1.000	1.000			
4350	SPV.0060	Special 48. R.S. Gate Valve With Road Box 8-Inch	EACH	1.000	1.000			
4360	SPV.0060	Special 50. Manholes 5-FT Diameter With Gate	EACH	2.000	2.000			
4370	SPV.0060	Special 51. Manholes 6-FT Diameter With Gate	EACH	2.000	2.000			
4380	SPV.0060	Special 52. Autmoatic Drainage Gates 24-Inch	EACH	3.000	3.000			
4390	SPV.0060	Special 53. Automatic Drainage Gates 36-Inch	EACH	3.000	2.000	1.000		
4400	SPV.0060	Special 54. Remove And Salvage Storm Water Gate	EACH	8.000	8.000			
4410	SPV.0060	Special 55. Manhole Covers Type J-Modified	EACH	15.000	13.000	2.000		
4420	SPV.0060	Special 60. Corporation Stop 1-Inch	EACH	1.000	1.000			
4430	SPV.0060	Special 61. Service Stop 1-Inch	EACH	1.000	1.000			
4440	SPV.0060	Special 62. Adjust Service Stop Elevation	EACH	11.000	11.000			
4450	SPV.0060	Special 63. Relocate Fire Hydrant	EACH	5.000	5.000			
4460	SPV.0060	Special 64. Fire Hydrant - New	EACH	4.000	4.000			
4470	SPV.0060	Special 65. Adjust Fire Hydrant Elevation	EACH	2.000	2.000			
4480	SPV.0060	Special 66. R.S. Hydrant Control Valve With Road Box 6-Inch	EACH	4.000	4.000			
4490	SPV.0060	Special 67.Adjust Water Main Valve Elevation	EACH	16.000	16.000			
4500	SPV.0060	Special 68. Nitrile Gaskets 8-Inch	EACH	5.000	5.000			
4510	SPV.0060	Special 69. Nitrile Gaskets 6-Inch	EACH	2.000	2.000			
4520	SPV.0060	Special 70. Tapping Valve and Sleeve 6-Inch	EACH	2.000	2.000			
4530	SPV.0060	Special 71. D.I. Fitting - 45 Degree Bend 8-Inch	EACH	4.000	4.000			
4540	SPV.0060	Special 72. D.I. Fitting - 45 Degree Bend 6-Inch	EACH	4.000	4.000			

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
4550	SPV.0060	Special 73. D.I. Fitting - Reducer 8 to 6-Inch	EACH	1.000	1.000			
4560	SPV.0060	Special 74. D.I. Fitting, 8x6 Inch Tee For Fire Hydrant	EACH	2.000	2.000			
4570	SPV.0060	Special 75. Connect Existing Water Service To New Water Main	EACH	1.000	1.000			
4580	SPV.0060	Special 76. Sanitary Sewer Manhole New, 48-Inch ID	EACH	7.000	7.000			
4590	SPV.0060	Special 77. Sanitary Sewer Manhole Remove 48-Inch ID	EACH	2.000	2.000			
4600	SPV.0060	Special 78. Adjust Sanitary Sewer Manhole Elevation, 48-Inch ID	EACH	11.000	11.000			
4610	SPV.0060	Special 79. Sanitary Sewer Wye PVC - 8x6-Inch	EACH	1.000	1.000			
4620	SPV.0060	Special 80. Black Paint Pedestal Bases	EACH	21.000	13.000	8.000		
4630	SPV.0060	Special 81. Black Paint Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	39.000	11.000	20.000		8.000
4640	SPV.0060	Special 82. Black Paint Traffic Signal Standard Aluminum 13-FT	EACH	15.000	9.000	6.000		
4650	SPV.0060	Special 83. Black Paint Traffic Signal Standard Aluminum 15-FT	EACH	5.000	3.000	2.000		
4660	SPV.0060	Special 84. Black Paint Traffic Signal Standard Aluminum 10-FT	EACH	1.000	1.000			
4670	SPV.0060	Special 85. Black Paint Poles Type 4	EACH	14.000	7.000	7.000		
4680	SPV.0060	Special 86. Black Paint Poles Type 6, Modified Aluminum	EACH	25.000	4.000	13.000		8.000
4690	SPV.0060	Special 87. Black Paint Luminaire Arms Truss Type 4.5-Inch Clamp 12-FT	EACH	49.000	8.000	25.000		16.000
4700	SPV.0060	Special 88. Black Paint Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	22.000	10.000	12.000		
4710	SPV.0060	Special 89. Black Paint Luminaires Utility LED C	EACH	78.000	23.000	39.000		16.000
4720	SPV.0060	Special 90. Black Paint Lighting Control Cabinet	EACH	3.000	3.000			
4730	SPV.0060	Special 91. Removing Traffic Signal Units	EACH	31.000	31.000			
4740	SPV.0060	Special 92. Pull Box Non-Conductive 24x42-Inch	EACH	125.000	67.000	52.000		6.000
4750	SPV.0060	Special 93. 8-Count Fiber Optic Connector 250-FT	EACH	7.000	2.000	5.000		
4760	SPV.0060	Special 94. 8-Count Fiber Optic Connector 1000-FT	EACH	1.000	1.000			
4770	SPV.0060	Special 95. Remove Existing Lighting Control	EACH	1.000	1.000			
4780	SPV.0060	Special 96. Decorative Street Light Base	EACH	45.000	45.000			
4790	SPV.0060	Special 97. Decorative Street Light Assembly	EACH	45.000	45.000			
4800	SPV.0060	Special 98. Round Communications Vault 36x42-Inch	EACH	5.000	2.000	3.000		
4810	SPV.0060	Special 99. Remove Existing Lighting Pole	EACH	1.000	1.000			
4820	SPV.0085	Special 01. Native Prairie	LB	46.000	6.000	40.000		
4830	SPV.0085	Special 02. Pollinator Mix	LB	10.000		10.000		
4840	SPV.0085	Special 03. No-Mow Fescue	LB	224.000	219.000	5.000		
4850	SPV.0090	Special 02. Concrete Curb And Gutter Integral 54-Inch Type A	LF	358.000		358.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
4860	SPV.0090	Special 03. Concrete Curb And Gutter Integral 66-Inch Type A	LF	16,163.000	10,431.000	4,828.000		904.000
4870	SPV.0090	Special 10. Aluminum Edging	LF	7,597.000	2,496.000	5,101.000		
4880	SPV.0090	Special 11. Steel Railing	LF	205.000	150.000	55.000		
4890	SPV.0090	Special 50. Level Spreader Wall	LF	24.000		24.000		
4900	SPV.0090	Special 66. Copper Water Service 1-Inch	LF	20.000	20.000			
4910	SPV.0090	Special 67. Extend Water Service	LF	68.000	68.000			
4920	SPV.0090	Special 68. D.I. Water Main With Poly Wrap 6-Inch	LF	15.000	15.000			
4930	SPV.0090	Special 69. D.I. Water Main With Poly Wrap 8-Inch	LF	816.000	816.000			
4940	SPV.0090	Special 70. D.I. Hydrant Lead With Poly Wrap 6-Inch	LF	59.000	59.000			
4950	SPV.0090	Special 71. SDR 35 PVC Sanitary Sewer Main 8-Inch	LF	590.000	590.000			
4960	SPV.0090	Special 72. SDR 35 PVC Sanitary Sewer Lateral 6-Inch	LF	20.000	20.000			
4970	SPV.0090	Special 73. Removing Sanitary Sewer	LF	218.000			218.000	
4980	SPV.0090	Special 74. Copper Water Service 2-Inch	LF	50.000	50.000			
4990	SPV.0090	Special 75. SDR 35 PVC Sanitary Sewer Main 18-Inch	LF	79.000	79.000			
5000	SPV.0090	Special 76. Water Main Casing Pipe 0.25" Wall With End Seals, 18-Inch	LF	140.000	140.000			
5010	SPV.0090	Special 77. Support System For Water Main Inside Casing Pipe, 8 - 18-Inch	LF	140.000	140.000			
5020	SPV.0090	Special 78. Sanitary Sewer Pipe RCP 36-Inch	LF	231.000			231.000	
5030	SPV.0105	Special 01. Removing Sign Bridge S-32-18	LS	1.000		1.000		
5040	SPV.0105	Special 02. Removing Sign Bridge S-32-21	LS	1.000		1.000		
5050	SPV.0105	Special 03. Removing Sign Bridge S-32-19	LS	1.000		1.000		
5060	SPV.0105	Special 04.Removing Sign Bridge S-32-20	LS	1.000		1.000		
5070	SPV.0105	Special 05. Adjusting Construction Staking 1071-06-83	LS	1.000		1.000		
5080	SPV.0105	Special 06. Adjusting Construction Staking Project 7190-03-72	LS	1.000				1.000
5090	SPV.0105	Special 07. Concrete Pavement Joint Layout 1071-06-83	LS	1.000		1.000		
5100	SPV.0105	Special 08. Concrete Pavement Joint Layout Project 7190-03-72	LS	1.000				1.000
5110	SPV.0105	Special 09. Construction Staking Eagle Viewing Area	LS	1.000		1.000		
5120	SPV.0105	Special 10. Construction Staking Ramp Removal Southeast Quad	LS	1.000		1.000		
5130	SPV.0105	Special 11. Construction Staking Ramp Removal Northeast Quad	LS	1.000		1.000		
5140	SPV.0105	Special 12. Construction Staking Ramp Removal Northwest Quad	LS	1.000		1.000		
5150	SPV.0105	Special 20. Shade Structure	LS	1.000		1.000		
5160	SPV.0105	Special 21. Construction Staking Landscaping Items	LS	1.000		1.000		
5170	SPV.0105	Special 22. Debris Containment Special Structure B-32-67	LS	1.000				1.000
5180	SPV.0105	Special 23. Landscape Irrigation System	LS	1.000		1.000		
5190	SPV.0105	Special 30. Paint Structure S-32-50	LS	1.000	1.000			
5200	SPV.0105	Special 31. Paint Structure S-32-51	LS	1.000		1.000		
5210	SPV.0105	Special 32. Paint Structure S-32-52	LS	1.000	1.000			
5220	SPV.0105	Special 33. Paint Structure S-32-53	LS	1.000		1.000		

3

DATE 11OCT16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1071-06-82 QUANTITY	1071-06-83 QUANTITY	1071-06-89 QUANTITY	7190-03-72 QUANTITY
5230	SPV.0105	Special 34. Paint Structure S-32-54	LS	1.000		1.000		
5240	SPV.0105	Special 35. Paint Structure S-32-55	LS	1.000		1.000		
5250	SPV.0105	Special 36. Paint Structure S-32-56	LS	1.000		1.000		
5260	SPV.0105	Special 37. Paint Structure S-32-65	LS	1.000		1.000		
5270	SPV.0105	Special 38. Paint Structure S-32-66	LS	1.000	1.000			
5280	SPV.0105	Special 39. Paint Structure S-32-68	LS	1.000	1.000			
5290	SPV.0105	Special 40. Entry Sign	LS	1.000		1.000		
5300	SPV.0105	Special 41. Temp. Non-Intrusive Vehicle Detect. System For Intersections, Rose/Palace	LS	1.000	1.000			
5310	SPV.0105	Special 42. Temp. Non-Intrusive Vehicle Detect. System For Intersections, Rose/George	LS	1.000	1.000			
5320	SPV.0105	Special 43. Temp. Non-Intrusive Vehicle Detect. System For Intersections, STH 35/George	LS	1.000	1.000			
5330	SPV.0105	Special 44. Temp. Non-Intrusive Vehicle Detect. System For Intersections, RS&EBR1	LS	1.000		1.000		
5340	SPV.0105	Special 45. Temp. Non-Intrusive Vehicle Detect. System For Intersections, RS&EBR2	LS	1.000		1.000		
5350	SPV.0105	Special 46. Temp. Non-Intrusive Vehicle Detect. System For Intersections, RS&WBR1	LS	1.000		1.000		
5360	SPV.0105	Special 47. Temp. Non-Intrusive Vehicle Detect. System For Intersections, RS&WBR2	LS	1.000		1.000		
5370	SPV.0105	Special 48. Temp. Non-Intrusive Vehicle Detect. System For Intersections, RS&WBR3	LS	1.000		1.000		
5380	SPV.0105	Special 50. Adjusting Construction Staking 1071-06-82	LS	1.000	1.000			
5390	SPV.0105	Special 51. Concrete Pavement Joint Layout 1071-06-82	LS	1.000	1.000			
5400	SPV.0105	Special 52. Removing Sign Bridge S-32-03	LS	1.000	1.000			
5410	SPV.0105	Special 53. Sanitary Sewer Bypass Pumping	LS	1.000				1.000
5420	SPV.0105	Special 54. Sanitary Manhole Modifications	LS	1.000				1.000
5430	SPV.0105	Special 55. Lift Station Wall Modification	LS	1.000		1.000		
5440	SPV.0165	Special 11. Modular Block Retaining Wall	SF	160.000		160.000		
5450	SPV.0165	Special 12. Trench Insulation 4-Inch	SF	80.000				80.000
5460	SPV.0165	Special 13. Permeable Pavers	SF	1,758.000		1,758.000		
5470	SPV.0180	Special 01. Special Mulching	SY	16,371.000		16,371.000		
5480	SPV.0195	Special 01. Limestone Screenings Path	TON	2,249.000		2,249.000		
5490	SPV.0195	Special 02. Stone Screenings With Binder	TON	518.000		518.000		
5500	SPV.0195	Special 03. Permeable Base Aggregate ASTM-57	TON	190.000		190.000		
5510	SPV.0195	Special 04. Permeable Base Aggregate ASTM-2	TON	253.000		253.000		
5520	SPV.0200	Special 01. Sanitary Manholes 5-FT Diameter	VF	43.000				43.000

3

CLEARING AND GRUBBING ITEMS

	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
CAT 0010						
PROJECT ID : 1071-06-82						
ROSE STREET NB						
	85+00 - 87+00 RN	RT	2	--	2	--
ROSE STREET SB						
	74+00 - 86+00 RS	LT	11	--	11	--
W. GEORGE STREET						
	146+00 - 153+00 WG	LT	7	--	7	--
	146+00 - 149+00 WG	RT	3	--	3	--
	154+00 - 155+00 WG	LT	1	--	1	--
	156+53 WG	27 'LT	--	8	--	8
PALACE STREET						
	12+00 - 13+00	LT	1	--	1	--
GEORGE STREET						
	8+00 - 9+00 GS	RT	1	--	1	--
	8+00 - 9+00 GS	LT	1	--	1	--
	11+00 - 12+00 GS	RT	1	--	1	--
ACCESS ROAD						
	18+00 - 19+00 AR	RT	1	--	1	--
CAMBELL STREET						
	10+00 - 11+00 CS	RT	1	--	1	--
1071-06-82 TOTAL			**30**	**8**	**30**	**8**
PROJECT NO: 1071-06-83						
	121+00 RN - 125+00 RN *	RN LINE	4	--	4	--
	121+00 RN - 122+00 RN	RN LINE	1	--	1	--
	133+00 RN - 134+00 RN	RN LINE	1	--	1	--
	116+00 RS - 123+00 RS *	RS LINE	7	--	7	--
	189+00 E - 190+00 E	E RAMP	1	--	1	--
	192+00 F - 199+00 F	F RAMP	7	--	7	--
	200+00 G - 205+00 G *	G RAMP	5	--	5	--
	207+00 G - 211+00 G	G RAMP	4	--	4	--
	197+00 H - 199+00 H	H RAMP	2	--	2	--
	200+00 H - 201+00 H	H RAMP	1	--	1	--
	187+00 EW - 188+00 EW	EW RAMP	1	--	1	--
	203+00 GY - 211+00 GY	GY RAMP	8	--	8	--
	203+00 GZ - 205+00 GZ	GZ RAMP	2	--	2	--
	198+00 HX - 200+00 HX	HX RAMP	2	--	2	--
	202+00 HX - 208+00 HX	HX RAMP	6	--	6	--
1071-06-83 TOTAL			**52**	**--**	**52**	**--**
PROJECT NO: 7190-03-72						
	134+00 RN - 136+00 RN	RN LINE	2	--	2	--
7190-03-72 TOTAL			**2**	**--**	**2**	**--**
CONSTRUCTION TOTAL			**84**	**8**	**84**	**8**

* QUANTITY INCLUDES CLEARING AND GRUBBING FOR GRADING AREAS ADJACENT TO ALIGNMENT SEE CONTOUR MAPS FOR IMPACT LIMITS

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING PAVEMENT

STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY
CAT 0010			
PROJECT ID : 1071-06-82			
ROSE STREET NB			
53+34 - 62+00 RN	RT	2,722	--
62+00 - 76+00 RN	RT/LT	4,539	--
72+55 - 72+90 RN	RT	190	--
76+00 - 91+00 RN	RT	5,184	--
84+30 - 86+75 RN	RT	675	--
89+35 - 89+80 RN	RT	80	--
91+00 - 98+00 RN	RT	2,188	--
91+62 - 92+12 RN	RT	124	--
ROSE STREET SB			--
53+10 - 54+85 RS	LT	545	--
53+18 - 62+00 RS	RT/LT	3,509	--
62+00 - 76+00 RS	LT	5,085	103
72+53 - 85+52 RS	LT	--	--
76+00 - 91+00 RS	LT	7,941	86
85+25 - 93+22 RS	LT	--	--
91+00 - 98+00 RS	RT/LT	3,623	--
W. GEORGE STREET			--
145+42 - 157+53 WG	RT/LT	7,540	64
152+00 - 153+50 WG	RT	--	85
153+80 - 154+61 WG	RT	--	45
150+58 - 150+01 WG	RT	41	--
151+64 - 152+24 WG	RT	52	--
MOORE STREET			--
10+40 - 11+00 MS	RT/LT	316	--
PALACE STREET			--
10+46 - 12+50 PS	RT/LT	1,352	--
GEORGE STREET			--
10+46 - 15+33 GS	RT/LT	2,362	--
TEMPORARY PAVEMENT			
53+60 - 57+89 RN	RT/LT	--	560
55+00 - 56+50 RN	MEDIAN	--	247
67+50 - 75+50 RS	LT	--	1,018
69+87 - 71+35 RS	RT/LT	--	190
70+00 - 70+40 RN	RT	--	170
83+25 - 90+84 RS	RT/LT	--	791
85+63 - 98+00 RS	LT	--	1,825
86+70 - 87+56 RN	RT/LT	--	117
87+80 - 98+00 RN	RT	--	1,309
92+00 - 96+00 RN	MEDIAN	--	535
94+75 - 98+00 RS	RT/LT	--	261
145+49 - 146+25 WG	LT	--	60
149+00 - 151+20 WG	MEDIAN	--	426
1071-06-82 TOTAL		**48,068**	**7,892**

REMOVING PAVEMENT

STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY
CAT 0010			
PROJECT NO: 1071-06-83			
98+00 RN - 133+21.32 RN	NB LANES	11,675	--
98+14.27 RS - 133+35.72 RS	SB LANES	10,810	--
EV RAMP	IH 90 EB EXIT TO ROSE STREET SB	935	--
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB	2,130	--
FQ RAMP	ROSE STREET NB TO EB IH 90	3,165	--
FQ RAMP	ROSE STREET SB TO EB IH 90	435	--
GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	2,840	--
GV RAMP	IH 90 WB EXIT TO ROSE STREET NB	1,550	--
HW RAMP	ROSE STREET NB TO WB IH 90	950	--
H RAMP	ROSE STREET SB TO WB IH 90	1,860	--
1071-06-83 TOTAL		**36,350**	**--**
PROJECT NO: 7190-03-72			
133+21.32 RN - 135+73 RN	NB LANES	690	--
139+26 RN - 144+75 RN	NB LANES	1,230	--
7190-03-72 TOTAL		**1,920**	**--**
CONSTRUCTION TOTAL		**86,338**	**7,892**

REMOVING OLD STRUCTURES

STATION	LOCATION	203.0200 REMOVING OLD STRUCTURES LS
CAT 0020		
PROJECT ID : 1071-06-83		
01. 122+00 RN	WB IH-90 TO SB ROSE STREET	1
PROJECT ID : 7190-03-72		
02. 237+66.50 NB		1

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING CURB AND GUTTER

	STATION	LOCATION	204.0150 REMOVING CURB AND GUTTER LF
CAT 0010			
PROJECT ID : 1071-06-82			
ROSE STREET NB			
	53+13 RS - 54+54 RS	LT	314
	53+60 RN - 55+00 RN	MEDIAN	252
	57+25 RN - 57+96 RN	MEDIAN	140
	58+47 RN - 61+48 RN	MEDIAN	425
	67+30 RN - 69+15 RN	MEDIAN	279
	67+23 RN - 69+63 RN	RT	245
	68+95 RN - 70+45 RS	LT	151
	70+29 RN - 73+42 RN	MEDIAN	413
	69+89 RS - 71+75 RS	ISLAND	390
	82+52 RN - 86+70 RN	RT	519
	84+32 RN	RT	30
	84+62 RN	RT	46
	85+65 RS - 87+26 RS	ISLAND - LT	370
	87+13 RS - 88+79 RS	ISLAND	348
	87+45 RN - 90+67 RN	MEDIAN	621
	87+52 RN - 91+28 RN	RT	385
	91+17 RS - 97+95 RS	LT	680
W. GEORGE STREET			
	145+42 WG - 152+00 WG	LT	657
	145+42 WG - 149+68 WG	RT	435
	149+66 WG - 152+78 WG	LT	298
	150+05 WG - 151+18 WG	RT	137
	152+00 WG - 157+24 WG	LT	524
	152+09 WG - 157+22 WG	RT	531
	153+10 WG	LT	39
	154+16 WG	LT	35
	154+44 WG	LT	46
	154+97 WG	LT	33
	155+28 WG - 155+89 WG	LT	128
	155+98 WG	LT	54
	156+34 WG - 156+66 WG	LT	64
	157+03 WG	LT	85
	157+20 WG - 157+54 WG	RT	108
	157+36 WG - 157+55 WG	LT	57
LIVINGSTON STREET			
	10+40 LS - 10+75 LS	LT	49
MOORE STREET			
	10+83 MS - 10+98 MS	RT	19
	11+28 MS - 12+00 MS	RT	77
	10+97 MS - 12+00 MS	LT	103

REMOVING CURB AND GUTTER

	STATION	LOCATION	204.0150 REMOVING CURB AND GUTTER LF
CAT 0010			
PALACE STREET			
	10+56 PS - 11+74 PS	RT	130
	10+46 PS - 11+06 PS	ISLAND	156
	10+62 PS - 11+95 PS	LT	184
	12+20 PS - 12+50 PS	RT	38
	12+37 PS - 12+50 PS	LT	13
GEORGE STREET			
	7+77 GS - 8+48 GS	RT/LT	223
	8+50 GS - 9+01 GS	RT/LT	204
	8+50 GS	ISLAND	43
	10+45 GS - 10+73 GS	ISLAND	90
	10+39 GS - 15+33 GS	LT	499
	10+67 GS - 13+48 GS	RT	308
	13+96 GS - 15+33 GS	RT	162
	13+53 GS	LT	17
	13+84 GS	LT	20
CAMPBELL STREET			
	10+30 CS - 10+65 CS	RT	36
	10+36 GS - 10+65 CS	LT	29
1071-06-82 TOTAL			**11,239**
PROJECT ID : 1071-06-83			
	183+83 EV - 185+27 EV	RT	144
	195+75 EX - 199+25 EX	RT	365
	200+00 GR - 21+66.61 GR	RT	240
	200+00 GR - 21+66.61 GR	LT	280
	200+19 GR - 21+52 GR	MEDIAN	305
	126+15 RN - 128+42 RN	MEDIAN	485
	128+46 RN - 129+04 RN	MEDIAN	130
	108+00 RN - 108+29 RN	LT	29
	118+27 RN - 118+71 RN	LT	44
1071-06-83 TOTAL			**2,022**
CONSTRUCTION TOTAL			**13,261**

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING CONCRETE SIDEWALK

	STATION	LOCATION	204.0155 REMOVING SIDEWALK SY
CAT 0010			
PROJECT ID : 1071-06-82			
W. GEORGE STREET			
	145+42 WG - 149+69 WG	RT	328
	145+42 WG - 148+75 WG	LT	268
	149+09 WG -149+34 WG	LT	26
	149+63 WG - 149+80 WG	LT	26
	150+08 WG - 151+16 WG	RT	99
	153+73 WG - 154+07 WG	LT	39
	156+07 WG - 156+16 WG	LT	8
	150+58 WG - 150+01 WG	MEDIAN	--
	151+64 WG - 152+24 WG	MEDIAN	--
GEORGE STREET			
	8+00 GS - 8+61 GS	RT	49
	10+45 GS - 10+73 GS	MEDIAN	38
	10+69 GS - 13+40 GS	LT	195
1071-06-82 TOTAL			**1,076**
PROJECT ID : 1071-06-83			
	200+19 GR - 21+52 GR	MEDIAN	176
1071-06-83 TOTAL			**176**
CONSTRUCTION TOTAL			**1,252**

REMOVING GUARDRAIL

	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
CAT 0010			
PROJECT ID : 1071-06-82			
ROSE STREET NB			
	85+25 RS - 93+22 RS	LT	829
	97+67 RN - 98+00 RN	RT	32
	97+69 RN - 98+00 RN	LT	31
1071-06-82 TOTAL			**892**
PROJECT ID : 1071-06-83			
	98+00 RN - 98+67 RN	RT	67
	98+00 RN - 98+67 RN	LT	67
	107+60 RS - 111+60 RS	LT	400
	108+10 RS - 113+85 RS	RT	575
	105+60 RN - 111+25 RN	LT	565
	108+00 RN - 111+75 RN	LT	375
	117+25 RN - 118+25 RN	RT	100
	121+00 RN - 122+50 RN	RT	150
	120+65 RN - 122+85 RN	LT	440
	120+90 RS - 122+50 RS	LT	160
	124+00 RN - 126+00 RN	LT	200
	125+00 RS - 126+10 RS	RT	110
	125+00 RS - 126+00 RS	LT	100
	EX RAMP	IH 90 EB EXIT TO ROSE STREET NB	75
	EV RAMP	IH 90 EB EXIT TO ROSE STREET SB	400
	FQ RAMP	ROSE STREET TO EB IH 90	590
	GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	400
	GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	56
	GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	144
	GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	158
1071-06-83 TOTAL			**5,132**
PROJECT ID : 7190-03-72			
	132+70 RN - 135+40 RN	RT	270
	134+00 RN - 135+70 RN	LT	170
7190-03-72 TOTAL			**440**
CONSTRUCTION TOTAL			**6,464**

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING FENCE

	STATION	LOCATION	204.0170 REMOVING FENCE LF
CAT 0010			
PROJECT ID : 1071-06-82			
ROSE STREET NB			
	75+53 RS - 85+52 RS	LT	1000
W. GEORGE STREET			
	154+70 WG - 154+83 WG	LT	21
GEORGE STREET			
	7+09 GS	RT/LT	96
ACCESS ROAD			
	16+12 AR - 17+17 AR	RT	71
	19+48 AR	RT/LT	44
1071-06-82 TOTAL			**1,232**
PROJECT ID : 1071-06-83			
	EV RAMP	IH 90 EB EXIT TO ROSE STREET SB	670
	FQ RAMP	ROSE STREET TO EB IH 90	100
	H RAMP	ROSE STREET SB TO WB IH 90	1,500
1071-06-83 TOTAL			**2,270**
PROJECT ID : 7190-03-72			
	132+85 RN - 135+40 RN	RT	320
7190-03-72 TOTAL			**320**
CONSTRUCTION TOTAL			**3,822**

REMOVING SLOPE PAVING

	STATION	LOCATION	204.0175 REMOVING CONCRETE SLOPE PAVING SY
CAT 0010			
PROJECT ID : 1071-06-83			
	121+90 RN - 122+25 RN	RT	120
	120+80 RS - 121+60 RS	LT	165
1071-06-83 TOTAL			**285**
CONSTRUCTION TOTAL			**285**

REMOVING MARKERS

	STATION	LOCATION	204.0180 REMOVING DELINEATOR AND MARKERS EACH	204.9060.S.01 REMOVING FLEXIBLE TUBULAR MARKER POST AND BASES EACH
CAT 0010				
PROJECT ID : 1071-06-83				
	98+00 RN - 133+21 RN		16	--
	98+14.27 RS - 133+35 RS		6	--
	EV RAMP		25	--
	EX RAMP		31	--
	FQ RAMP		46	--
	GW RAMP		14	--
	GV RAMP		26	--
	HW RAMP		8	--
	H RAMP		5	--
	182+75 EV - 183+80 EV	GORE	--	20
	185+00 EW - 185+60 EW	GORE	--	7
	208+80 G - 211+50 G	GORE	--	34
1071-06-83 TOTAL			**177**	**61**
PROJECT ID : 7190-03-72				
	133+21 RN - 144+75 RN		4	--
7190-03-72 TOTAL			**4**	--
CONSTRUCTION TOTAL			**181**	**61**

REMOVING SURFACE DRAINS

	STATION	LOCATION	204.0190 REMOVING SURFACE DRAINS EACH
CAT 0010			
PROJECT ID : 1071-06-83			
	EV RAMP	IH 90 EB EXIT TO ROSE STREET SB	2
	GW RAMP	IH 90 WB EXIT TO ROSE STREET SB	1
	HW RAMP	ROSE STREET NB TO WB IH 90	1
1071-06-83 TOTAL			**4**
PROJECT ID : 7190-03-72			
	135+00 RS	LT	1
	135+40 RS	RT	1
	135+60 RN	LT	1
	144+75 RN	RT	1
7190-03-72 TOTAL			**4**
CONSTRUCTION TOTAL			**8**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING INLETS

STATION	LOCATION	STAGE	204.0220 REMOVING INLETS EACH
CAT 0010			
PROJECT ID : 1071-06-82			
56+48 RN	LT	3	1
56+55 RN	RT	2	1
57+96 RN	LT	2	1
61+54 RN	RT	2	1
61+42 RN	LT	3	1
61+54 RN	LT	3	1
67+16 RS	RT	3	1
67+16 RN	RT	2	1
69+20 RS	RT	3	1
69+62 RN	RT	2	1
70+56 RN	RT	2	1
71+70 RS	RT	3	1
71+70 RS	LT	3	1
75+00 RN	RT	2	1
75+00 RS	RT	3	1
81+88 RS	RT	3	1
85+57 RN	LT	2	1
85+66 RS	LT	3	1
85+76 RN	RT	2	1
87+44 RN	RT	2	1
88+03 RS	LT	3	1
88+32 RN	RT	2	1
88+36 RS	LT	3	1
145+47 WG	RT	2	1
145+89 WG	LT	1	1
149+59 WG	RT	2	1
149+67 WG	LT	1	1
150+17 WG	RT	2	1
152+30 WG	LT	1	1
155+47 WG	LT	1	1
155+49 WG	RT	2	1
10+45 GS	RT	1	1
10+72 GS	LT	2	1
13+33 GS	RT	1	1
13+96 GS	RT	1	1
15+15 GS	LT	1	1
1071-06-82 TOTAL			36

REMOVING INLETS

STATION	LOCATION	STAGE	204.0220 REMOVING INLETS EACH
CAT 0010			
PROJECT ID : 1071-06-83			
186+25 F	RT		1
188+10 F	LT		1
190+00 F	RT		1
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB		1
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB		1
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB		1
197+72 F	IH 90 EB EXIT TO ROSE STREET NB		1
105+80 RN	IH 90 EB EXIT TO ROSE STREET NB		1
116+11 RN	NB/SB LANES		1
129+05 RN	NB LANES		1
HW RAMP	ROSE STREET NB TO WB IH 90		1
HW RAMP	ROSE STREET NB TO WB IH 90		1
HW RAMP	ROSE STREET NB TO WB IH 90		1
HW RAMP	ROSE STREET NB TO WB IH 90		1
100+60 FX	RT (T13)		1
103+74 FY	LT (T16.1)		1
203+50 GZ	GZ Ramp LT (T15)		1
1071-06-83 CATERGOY 0010 TOTAL			17
CAT 0040			
EAGLE VIEWING AREA			1
1071-06-83 CATEGORY 0040 TOTAL			1
1071-06-83 TOTAL			18
PROJECT ID : 7190-03-72			
139+95 RN	MEDIAN		1
134+86 RS	RT MEDIAN (T11.1)		1
7190-03-72 TOTAL			2
CONSTRUCTION TOTAL			56

ADJUSTING INLET COVERS

STATION	LOCATION	STAGE	611.8115 ADJUSTING INLET COVERS EACH
CAT 0010			
PROJECT ID : 1071-06-82			
54+46 RS	LT	3	1
56+50 RN	LT	1B	1
1071-06-82 TOTAL			2

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING STORM SEWER

STATION TO STATION	LOCATION	DESCRIPTION	204.0245.01 12-INCH LF	204.0245.03 18-INCH LF	204.0245.04 24-INCH LF	204.0245.05 30-INCH LF	204.0245.06 36-INCH LF
CAT 0010							
PROJECT ID : 1071-06-82							
55+06 - 56+17 RN	NB RT	18" SS	--	113	--	--	--
56+11 - 56+22 RN	UNDER NB AND SB LANES	24" SS	--	--	149	--	--
56+38 - 56+55 RN	UNDER NB AND SB LANES	30" SS	--	--	--	120	--
56+48 - 57+95 RN	UNDER MEDIAN	12" SS	148	--	--	--	--
61+51 - 61+54 RN	UNDER NB AND SB LANES	36" SS	--	--	--	--	180
67+14 - 67+18 RN	UNDER NB AND SB LANES	36" SS	--	--	--	--	196
69+21 - 71+71 RN	SB MEDIAN	12" SS	271	--	--	--	--
69+62 RN	UNDER NB LANES	12"/24" SS	20	--	79	--	--
69+62 - 70+52 RN	PALACE INTERSECTION	12" SS	105	--	--	--	--
75+00 RN	UNDER NB AND SB LANES	36" SS	--	--	--	--	185
81+87 - 81+89 RS	MEDIAN AND SB LT	18" SS	--	77	--	--	--
85+57 - 87+04 RN	NB RT TO MEDIAN	24" SS	--	--	203	--	--
85+66 - 85+68 RS	SB LT	18" SS	--	45	--	--	--
87+01 - 87+03 RN	MANHOLE TO OUTFALL	24" SS	--	--	176	--	--
87+03 - 88+33 RN	NB RT TO MEDIAN	18" SS	--	145	--	--	--
88+35 - 88+38 RS	SB LT	24" SS	--	--	183	--	--
145+48 - 145+59 WG	ACROSS ENTIRE ROAD	18" SS	57	--	--	--	--
149+67 - 150+16 WG	CAMPBELL INTERSECTION	12" SS	117	--	--	--	--
155+48 - 157+81 WG	MEDIAN AND RT TO MANHOLE	18" SS	--	279	--	--	--
9+75 - 10+76 GS	GEORGE INTERSECTION	24" SS	--	--	102	--	--
10+40 - 10+75 GS	GEORGE INTERSECTION	12" SS	41	--	--	--	--
10+67 - 13+53 GS	ALONG LT SIDE OF ROAD	24" SS	--	--	235	--	--
13+34 - 13+96 GS	SALEM INTERSECTION	12" SS	80	--	--	--	--
13+53 GS	MANHOLE TO MANHOLE	24" SS	--	--	36	--	--
13+53 - 15+33 GS	MANHOLE TO PROJECT LIMITS	24" SS	--	--	216	--	--
1071-06-82 TOTAL			839	659	1,379	120	561

REMOVING MANHOLES

STATION	LOCATION	STAGE	204.0210 EACH
CAT 0010			
PROJECT ID : 1071-06-82			
56+17 RN	RT	2	1
56+22 RN	RT	2	1
69+62 RS	RT	3	1
87+04 RN	RT	2	1
155+48 WG	LT	2	1
10+66 GS	LT	2	1
13+15 GS	LT	2	1
13+53 GS	LT	1	1
13+53 GS	RT	1	1
15+16 GS	RT	1	1
1071-06-82 TOTAL			10
PROJECT ID : 1071-06-83			
99+27 RN	RT		1
101+14 RS	RT		1
118+16 RS	RT		1
123+20 RS	RT		1
1071-06-83 TOTAL			4
PROJECT ID : 1071-06-89			
202+55.7 G	41.9' RT		1
1071-06-89 TOTAL			1
CONSTRUCTION TOTAL			15

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	TYPE	DIAMETER INCHES	LENGTH LF	STAGE	203.0100 REMOVING SMALL CULVERT PIPES EACH	204.0270 ABANDONING CULVERT PIPES EACH	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY
CAT 0010								
PROJECT ID : 1071-06-82								
72+50 - 72+94 RN	RT	CMP	12	44	2	1	--	--
91+56 - 92+14 RN	RT	CMP	12	60	2	1	--	--
1071-06-82 TOTAL						2	--	--
PROJECT ID : 1071-06-83								
101+00 RS	SB LANES	CMCE	12 X 18	74		1	--	--
99+27 RN	RT	RCCP	36	240		1	1	34
186+25 F	RT	RCCP	36	130		1	--	--
188+10 F	LT	RCCP	36	194		1	--	--
190+00 F	RT	RCCP	36	190		1	--	--
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB	RCCP	15	34		1	--	--
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB	RCCP	15	38		1	--	--
EX RAMP	IH 90 EB EXIT TO ROSE STREET NB	CMCP	24	90		1	--	--
197+72 F	IH 90 EB EXIT TO ROSE STREET NB	RCCP	24	20		1	--	--
EV RAMP	IH 90 EB EXIT TO ROSE STREET SB	CMCE	18 X 24	72		1	--	--
104+75 RS	SB LANES (PREVIOUSLY ABANDONED	RCCP	24	80		1	--	--
105+80 RN	IH 90 EB EXIT TO ROSE STREET NB	RCCP	24	20		1	--	--
108+02	NB LANES	RCCP	18	68		--	1	5
113+03 RN	NB LANES	RCCP	18	72		--	1	5
116+11 RN	NB/SB LANES	RCCP	36	180		1	1	29
118+02 RN	NB LANES	RCCP	18	86		--	1	6
123+06 RN	NB LANES	RCCP	18	54		--	1	4
122+00 RN	IH 90 WB EXIT TO ROSE STREET SB	RCCP	24	156		1	--	--
129+05 RN	NB LANES	RCCP	24	106			1	12
122+25 RS	ROSE STREET SB TO IH 90 WB RAMP	RCCP	18	60		1	--	--
198+50 H	ROSE STREET TO WB IH 90	RCCP	36	230		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	18	22		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	24	70		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	18	38		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	18	38		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	18	84		1	--	--
HW RAMP	ROSE STREET NB TO WB IH 90	RCCP	12	88		1	--	--
1071-06-83 CATERGOY 0010 TOTAL						22	7	95

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	TYPE	DIAMETER INCHES	LENGTH LF	STAGE	203.0100 REMOVING SMALL CULVERT PIPES EACH	204.0270 ABANDONING CULVERT PIPES EACH	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY
CAT 0040								
EAGLE VIEWING AREA	PARTIAL REMOVAL FOR NEW INLET	RCCP	18	12		1	0	0
1071-06-83 CATEGORY 0040 TOTAL						1	--	--
1071-06-83 TOTAL			--	--	--	23	7	95
CAT 0010								
PROJECT ID : 7190-03-72								
139+95 RN	MEDIAN	RCCP	24	20		1	--	--
7190-03-72 TOTAL						1	--	--
CONSTRUCTION TOTAL						26	7	95

REMOVE AND SALVAGE STORM WATER GATE

STATION	LOCATION	SPV.0060.54 EACH
CATEGORY 0010		
PROJECT 1071-06-82		
56+05 RS	LT	1
56+15 RN	RT	1
61+36 RS	LT	1
67+16 RS	LT	1
85+69 RS	LT	1
87+00 RS	LT	1
88+38 RS	LT	1
97+98 RS	LT	1
1071-06-82 TOTAL		8

CATEGORY 0010 UNLESS OTHERWISE NOTED

EARTHWORK SUMMARY

DIVISION	PROJECT	STATION TO STATION	LOCATION	205.0100 EXCAVATION COMMON CUT CY	EBS (8) CY	SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(6) AVAILABLE MATERIAL CY	(9) EXPANDED EBS BACKFILL CY	(1) REDUCED EBS IN FILL CY	UNEXPANDED FILL CY	(2) (4) EXPANDED FILL CY	(5) MASS ORDINATE +/- CY	(3) 208.1100 SELECT BORROW CY	(10) 208.0100 BORROW CY
	1071-06-82	53+32 RN - 98+00 RN	ROSE STREET	6046	---	8965	-2919	---	---	29269	33659	-36578		
	1071-06-82	145+42.49 WG - 157+00 WG	W. GEORGE STREET	6439	---	1877	4562	---	---	60	69	4493		
	1071-06-82		MOORE STREET	497	---	---	497	---	---	4	4	492		
	1071-06-82		PALACE STREET	705	---	---	705	---	---	5	6	698		
	1071-06-82		GEORGE STREET	3611	---	591	3020	---	---	34	39	2981		
	1071-06-82		ACCESS ROAD	1629	---	---	1629	---	---	272.83	314	1315		
	1071-06-83	98+00 RN - 133+21.32 RN	ROSE STREET	9771	---	5621	4150	---	---	59512	68439	-64289		
	1071-06-83	186+04.37 E - 190+15 E	E RAMP	940	---	---	940	---	---	8488	9761	-8821		
	1071-06-83	186+65 F - 199+79.52 F	F RAMP	4939	3500	---	4939	4550	2800	24445	29442	-24503		
	1071-06-83	199+60 G - 208+79 G	G RAMP	9158	---	---	9158	---	---	13256	15244	-6086		
	1071-06-83	197+00 H - 201+00 H	H RAMP	2008	---	---	2008	---	---	1204	1385	623		
	1071-06-83	202+50 WB - 208+00 WB	IH 90 WB	1857	---	---	1857	---	---	6	7	1850		
	1071-06-83	188+95 FA - 190+05 FA	FA RAMP	---	---	---	---	---	---	658	757	-757		
	1071-06-83	20+24.14 GR - 21+65 GR	GR LINE	234	---	---	234	---	---	1	1	233		
	1071-06-83	186+00 EW - 189+25 EW	TEMP EW RAMP	57	---	---	57	---	---	3962	4556	-4499		
	1071-06-83		TEMP FA RAMP	---	---	---	---	---	---	277	318	-318		
	1071-06-83	102+56 FY - 106+00 FY	TEMP FY RAMP	159	---	---	159	---	---	138	159	0		
	1071-06-83	98+00 FX - 103+30 FX	TEMP FX RAMP	161	---	---	161	---	---	1656	1904	-1743		
	1071-06-83	200+00 GY - 211+10 GY	TEMP GY RAMP	10428	---	---	10428	---	---	13260	15249	-4821		
	1071-06-83	202+15 GZ - 209+54 GZ	TEMP GZ RAMP	9706	---	---	9706	---	---	69	79	9627		
	1071-06-83	197+90 HX - 208+00 HX	TEMP HX RAMP	532	265	---	532	345	212	2700	3205	-2674		
	1071-06-83	200+05 TG - 201+55 TG	TEMP TG LINE	159	---	---	159	---	---	---	---	159		
	1071-06-83	19+75 UG - 22+27 UG	TEMP UG LINE	182	---	---	182	---	---	---	---	182		
	1071-06-83	98+14 RS - 133+35 RS	TEMP RS WIDENING	7669	---	---	7669	---	---	182	209	7460		
	1071-06-83	98+00 RN - 133+21 RN	TEMP RN WIDENING	---	---	---	---	---	---	267	308	-308		
CAT 0040	1071-06-83	PARKING LOT	EAGLE VIEWING AREA	231	---	---	231	---	---	1230	1415	-1184		
	1071-06-83		RAMP REMOVAL SE QUAD	51452	---	1433	50020	---	---	783	796	49223		
	1071-06-83		RAMP REMOVAL NE QUAD	68424	---	1335	67089	---	---	5214	5996	61093		
	1071-06-83		RAMP REMOVAL NW QUAD	24704	---	465	24239	---	---	139	160	24079		
CAT 0040	1071-06-83	CONTOURS	EAGLE VIEWING AREA	5514	---	---	5514	---	---	14296	16440	-10926		
	7190-03-72	133+21.32 RN - 144+75 RN	ROSE STREET	2059	---	480	1579	---	---	9529	10958	-9379		
	7190-03-72	131+85 RY - 134+76 RY	TEMP RW X-OVER	235	---	---	235	---	---	---	---	235		
	7190-03-72	141+95 RW - 147+22 RW	TEMP RY X-OVER	194	---	---	194	---	---	---	---	194		
DIVISION 1 SUBTOTAL				229699	3765	20766	208933	4895	3012	190917	220881	-11948	1021	10926
		UNDISTRIBUTED (7) (11)			1500								10000	---
PROJECT ID 1071-06-82 SUMMARY CATEGORY 0010				**19675**									**1738**	**---**
PROJECT ID 1071-06-83 SUMMARY CATEGORY 0010				**207056**									**8000**	**---**
			CATEGORY 0040	**5745**									**1184**	**10926**
PROJECT ID 7190-03-72 SUMMARY CATEGORY 0010				**2488**									**100**	**---**
PROJECT TOTALS				**234964**									**11021**	**10926**

(1) REDUCED EBS IN FILL IS EXCAVATED EBS MATERIAL THAT IS USUABLE OUTSIDE THE 1:1 SLOPES. REDUCED EBS IN FILL REDUCTION FACTOR = 0.8
(2) EXPANSION FACTOR = 1.15
(3) SELECT BORROW = EXPANDED FILL - EXCAVATION COMMON
(4) EXPANDED FILL = (UNEXPANDED FILL - REDUCED EBS)* EXPANSION FACTOR + EXPANDED EBS BACKFILL
(5) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(6) AVAILABLE MATERIAL = COMMON EXCAVATION - SALVAGED/UNUSABLE MATERIAL
(7) UNDISTRIBUTED SELECT BORROW IS INCLUDED TO ACCOUNT FOR LACK OF AVAILABILITY OF EXCAVATED MATERIAL DURING STAGING AND POTENTIAL UNUSABLE MATERIALS WITHIN THE PROJECT DURING THE EARLY STAGES OF CONSTRUCTION.
(8) EBS QUANTITY IS BASED ON OBSERVED TOPSOIL IN EXCESS OF 1' IN SOME AREAS AND OBSERVED POOR SOILS IN THE EXISTING SE QUADRANT OF THE INTERCHANGE. QUANTITIES SHOWN ARE UNDISTRIBUTED.
EBS IS NOT INCLUDED IN THE EARTHWORK DATA TABLE FOR THE F RAMP.
(9) EXPANDED EBS BACKFILL EXPANSION FACTOR = 1.3
(10) BORROW ITEM FOR USE IN EAGLE VIEWING LANDSCAPING AREA AND NOT IN EAGLE VIEWING PARKING LOT AREA WHERE SELECT BORROW IS REQUIRED.

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

BASE AGGREGATE ITEMS

	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
CAT 0010					
PROJECT ID : 1071-06-82					
ROSE STREET NB					
	53+34 - 62+00 RN	RT/LT	--	1,267	--
	62+00 - 76+00 RN	RT/LT	--	2,209	--
	76+00 - 91+00 RN	RT/LT	--	3,010	--
	91+00 - 98+00 RN	RT/LT	--	1,335	--
ROSE STREET SB					
	53+16 - 62+00 RS	RT/LT	--	1,868	--
	62+00 - 76+00 RS	RT/LT	--	2,566	--
	76+00 - 91+00 RS	RT/LT	--	3,024	--
	91+00 - 98+00 RS	RT/LT	--	1,570	--
W. GEORGE STREET					
	145+42 - 157+40 WG	RT/LT	--	4,163	--
MOORE STREET					
	10+29 12+00 MS	RT/LT	--	453	--
PALACE STREET					
	10+35 - 12+50 PS	RT/LT	--	590	--
GEORGE STREET					
	5+60 - 9+44 GS	RT/LT	--	789	--
	10+36 - 15+33 GS	RT/LT	--	1,101	--
ACCESS ROAD					
	13+59 - 19+85 AR	RT/LT	--	2,569	--
TEMPORARY PAVEMENT					
	53+60 - 57+89 RN	RT/LT	--	457	--
	55+00 - 56+50 RN	MEDIAN	--	165	--
	67+50 - 75+50 RS	LT	--	852	--
	69+87 - 71+35 RS	RT/LT	--	126	--
	70+00 - 70+40 RN	RT	--	115	--
	83+25 - 90+84 RS	RT/LT	--	584	--
	85+63 - 98+00 RS	LT	--	1,489	--
	86+70 - 87+56 RN	RT/LT	--	77	--
	86+00 - 87+20 RN	MEDIAN	--	535	--
	87+80 - 98+00 RN	RT	--	1,099	--
	92+00 - 96+00 RN	MEDIAN	--	357	--
	94+75 - 98+00 RS	RT/LT	--	245	--
	145+49 - 146+25 WG	LT	--	57	--
	149+00 - 151+20 WG	MEDIAN	--	284	--
	PIPE TRENCH PAVEMENT PATCH	STAGING	--	450	--
	UNDISTRIBUTED		--	--	100
	UNDISTRIBUTED	MAINTAIN DRIVEWAY ACCESS	560	--	--
1071-06-82 TOTAL			**560**	**33,407**	**100**

3

BASE AGGREGATE ITEMS

	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
CAT 0010					
PROJECT NO: 1071-06-83					
CAT 0010	98+00 RN - 133+21.32 RN	NB LANES	--	7,300	--
	98+14.27 RS - 133+35.72 RS	SB LANES	--	6,900	--
	142+00 RS - 146+35 RS	SB C&G	--	70	--
	186+04.37 E - 190+15 E	E RAMP	200	1,400	--
	186+65 F - 199+79.52 F	F RAMP	400	3,050	--
	199+60 G - 208+79 G	G RAMP	350	2,800	--
	197+00 H - 201+00 H	H RAMP	125	750	--
	188+95 FA - 190+05 FA	FA RAMP	10	150	--
	20+24.14 GR - 21+65 GR	GEORGE STREET	--	575	--
	98+14 RS - 133+35 RS	PATH LT	--	1,300	--
	183+86 F - 189+90 F	PATH RT	--	250	--
	189+90 F	PATH LT	--	25	--
	RS WIDENING	STAGE 1	400	6,100	--
	EW TEMP RAMP	STAGE 1	65	800	--
	GY TEMP RAMP	STAGE 1	120	2,200	--
	TG TEMP WIDENING	STAGE 1	10	450	--
	FY TEMP RAMP	STAGE 1	35	600	--
	HX TEMP RAMP	STAGE 1	75	1,000	--
	RN WIDENING	STAGE 2	275	6,200	--
	HX TEMP RAMP	STAGE 2	30	400	--
	FX TEMP RAMP	STAGE 2	75	850	--
	GZ TEMP RAMP	STAGE 2	80	1,500	--
	GY TEMP RAMP	STAGE 2	10	100	--
	UG TEMP WIDENING	STAGE 3A	10	150	--
	UNDISTRIBUTED		--	--	150
1071-06-83 CATEGORY 0010 TOTAL			**2,270**	**44,920**	**150**
CAT 0040					
	EAGLE VIEWING AREA		--	750	--
1071-06-83 CATEGORY 0040 TOTAL			**--**	**750**	**--**
1071-06-83 TOTAL			**2,270**	**45,670**	**150**
PROJECT NO: 7190-03-72					
	133+21.32 RN - 135+35 RN	NB LANES	--	300	--
	139+85 RN - 144+75 RN	NB LANES	--	750	--
	133+35.72 RS - 133+50 RS	SB LANES	--	100	--
	133+35 RS - 135+75 RS	PATH LT	--	100	--
	RW CROSSOVER	STAGE 1	40	500	--
	RY TEMP RAMP	STAGE 2	10	200	--
	UNDISTRIBUTED		--	--	50
7190-03-72 TOTAL			**50**	**1,950**	**50**
CONSTRUCTION TOTAL			**2,880**	**81,027**	**300**

CATEGORY 0010 UNLESS OTHERWISE NOTED

			CONCRETE PAVEMENT					
			405.0100	CAT 0010	CAT 0010	CAT 0010	CAT 0010	CAT 0010
			COLORING	415.0090	415.1090	416.0160		415.6000.S
			CONCRETE	CONCRETE	CONCRETE	CONCRETE	415.0410	ROUT
			WISDOT	PAVEMENT	PAVEMENT	DRIVEWAY	APPROACH	AND
			RED	9-INCH	HES 9-INCH	6-INCH	SLABS	SEAL
	STATION	LOCATION	CY	SY	SY	SY	CY	LF
PROJECT ID : 1071-06-82			**CAT 0050**					
ROSE STREET NB								
	53+34 - 62+00 RN	RT	22	2,391	--	--	--	--
	62+00 - 76+00 RN	RT	23	4,525	--	--	--	--
	76+00 - 91+00 RN	RT	47	6,488	250	--	--	--
	91+00 - 98+00 RN	RT	--	2,800	--	--	--	--
ROSE STREET SB								
	53+16 - 62+00 RS	RT/LT	8	3,391	--	--	--	--
	54+60 RS	LT	--	--	--	52	--	--
	57+66 RS	LT	--	--	--	25	--	--
	62+00 - 76+00 RS	RT/LT	4	4,355	--	--	--	--
	76+00 - 91+00 RS	RT/LT	21	5,504	--	--	--	--
	91+00 - 98+00 RS	RT/LT	--	3,048	--	--	--	--
W. GEORGE STREET								
	145+42 - 157+41 WG	RT/LT	56	7,705	1,135	--	--	--
	147+79 WG	LT	--	--	--	30	--	--
	153+66 WG	RT	--	--	--	69	--	--
	154+78 WG	RT	--	--	--	69	--	--
	156+09 WG	RT	--	--	--	69	--	--
MOORE STREET								
	10+29 - 12+70 MS	RT/LT	--	557	--	--	--	--
PALACE STREET								
	10+35 - 12+50 PS	RT/LT	--	1,269	--	--	--	--
	12+13 PS	LT	--	--	--	57	--	--
GEORGE STREET								
	8+16 - 9+44 GS	RT/LT	--	660	--	--	--	--
	6+86 GS	RT	--	--	--	51	--	--
	7+50 GS	RT	--	--	--	55	--	--
	7+72 GS	LT	--	--	--	51	--	--
	10+36 - 13+08 GS	RT/LT	--	1,136	--	--	--	--
	11+90 GS	RT	--	--	--	30	--	--
	12+19 GS	LT	--	--	--	53	--	--
	12+67 GS	LT	--	--	--	12	--	--
	13+58 GS	LT	--	--	--	30	--	--
LIVINGSTON STREET								
	10+36 - 10+43 LS	RT/LT	11	--	--	--	--	--
ACCESS ROAD								
	14+35 AR	RT	--	--	--	16	--	--
	15+10 AR	RT	--	--	--	15	--	--
	15+25 - 15+59 AR	RT	--	--	--	56	--	--
	16+75 AR	RT	--	--	--	18	--	--
	18+50 AR	LT	--	--	--	44	--	--
1071-06-82 TOTAL			**192**	**43,829**	**1,385**	**800**	**--**	**--**

			CONCRETE PAVEMENT					
			405.0100	CAT 0010	CAT 0010	CAT 0010	CAT 0010	CAT 0010
			COLORING	415.0090	415.1090	416.0160		415.6000.S
			CONCRETE	CONCRETE	CONCRETE	CONCRETE	415.0410	ROUT
			WISDOT	PAVEMENT	PAVEMENT	DRIVEWAY	APPROACH	AND
			RED	9-INCH	HES 9-INCH	6-INCH	SLABS	SEAL
	STATION	LOCATION	CY	SY	SY	SY	CY	LF
PROJECT NO: 1071-06-83			**CAT 0040**					
	98+00 RN - 133+21.32 RN	NB LANES	12.4	11,586	--	--	--	--
	98+14.27 RS - 133+35.72 RS	SB LANES	12.4	16,167	--	--	--	--
	186+04.37 E - 190+15 E	E RAMP	13.1	1,332	--	--	--	994
	186+65 F - 199+79.52 F	F RAMP	7.5	3,889	--	--	--	2,408
	199+60 G - 208+79 G	G RAMP	--	3,473	--	--	--	2,160
	197+00 H - 201+00 H	H RAMP	10.6	808	--	--	--	708
	188+95 FA - 190+05 FA	FA RAMP	--	332	--	--	--	82
	20+24.14 GR - 21+65 GR	GEORGE STREET	16.6	652	--	--	--	--
	207+50 G - 208+79 G	G RAMP GORE	--	207	--	--	--	--
1071-06-83 TOTAL			**72.6**	**38,446**	**--**	**--**	**--**	**6,352**
PROJECT NO: 7190-03-72								
	133+21.32 RN - 135+75 RN	NB LANES	--	590	--	--	--	--
	139+31 RN - 144+75 RN	NB LANES	--	1,333	--	--	--	--
	133+35.72 RS - 133+50 RS	SB LANES	--	38	--	--	--	--
	135+50 RN	NB LANES	--	--	--	--	69	--
	139+75 RN	NB LANES	--	--	--	--	86	--
7190-03-72 TOTAL			**--**	**1,961**	**--**	**--**	**155**	**--**
CONSTRUCTION TOTAL			**264.2**	**84,236**	**1,385**	**800**	**155**	**6,352**

CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE PAVING GAPS

STATION	LOCATION	415.0210 EACH
PROJECT NO: 1071-06-82		
146+25 WG	STH 35 - STAGE 1B	1
155+15 WG	STH 35 - STAGE 1B	1
55+00 RN	STAGE 1C/2A	1
70+00 RN	STAGE 1C/2A	1
87+00 RN	STAGE 1C/2A	1
149+00 WG	STH 35 - STAGE 1C	1
153+75 WG	STH 35 - STAGE 1D	1
10+25 GS	STH 35 - STAGE 2A	1
1071-06-82 TOTAL		**8**
PROJECT NO: 1071-06-83		
101+08 RN	RN LINE STAGE 2A	1
121+56 RN	RN LINE STAGE 2A	1
199+25 H	H RAMP STAGE 2A	1
187+50 F	F RAMP STAGE 2A	1
128+64 RS	RS LINE STAGE 3A	1
1071-06-83 TOTAL		**5**
CONSTRUCTION TOTAL		**13**

ASPHALTIC ITEMS

STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY
CAT 0010							
PROJECT ID : 1071-06-82							
ROSE STREET SB							
53+17 - 62+00 RS	PATH LT	178	--	--	--	--	--
62+00 - 76+00 RS	PATH LT	270	--	--	--	--	--
76+00 - 86+63 RS	PATH LT	281	--	--	--	--	--
87+03 - 98+00 RS	PATH LT	134	--	--	--	--	--
W. GEORGE STREET							
152+00 - 154+60 WG	RT	25	--	--	--	--	--
154+61 - 154+91 WG	RT	5	--	--	--	--	--
MOORE STREET							
11+00 - 12+00 MS	RT/LT	--	--	80	--	--	--
GEORGE STREET							
5+60 - 8+16 GS	RT/LT	--	--	256	--	--	--
13+17 - 15+33 GS	RT/LT	--	--	303	--	--	--
ACCESS ROAD							
13+63 - 19+85 AR	RT/LT	--	--	768	--	--	--
14+35 AR	RT	--	--	41	--	--	--
15+10 AR	RT	--	--	105	--	--	--
16+77 AR	RT	--	--	29	--	--	--
18+52 AR	LT	6	--	--	--	--	--
TEMPORARY PAVEMENT							
53+60 - 57+89 RN	RT/LT	--	129	--	--	--	--
55+00 - 56+50 RN	MEDIAN	--	57	--	--	--	--
67+50 - 75+50 RS	LT	--	233	--	--	--	--
69+87 - 71+35 RS	RT/LT	--	44	--	--	--	--
70+00 - 70+40 RN	RT	--	39	--	--	--	--
83+25 - 90+84 RS	RT/LT	--	182	--	--	--	--
85+63 - 98+00 RS	LT	--	420	--	--	--	--
86+70 - 87+56 RN	RT/LT	--	27	--	--	--	--
86+00 - 87+20 RN	MEDIAN	--	100	--	--	--	--
87+80 - 98+00 RN	RT	--	301	--	--	--	--
92+00 - 96+00 RN	MEDIAN	--	123	--	--	--	--
94+75 - 98+00 RS	RT/LT	--	60	--	--	--	--
145+49 - 146+25 WG	LT	--	14	--	--	75	--
149+00 - 151+20 WG	MEDIAN	--	98	--	--	--	--
PIPE TRENCH PAVEMENT PATCH	STAGING	--	150	--	--	--	--
1071-06-82 TOTAL		**899**	**1,977**	**1,582**	**--**	**75**	**--**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

ASPHALTIC ITEMS

STATION		LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY
CAT 0010								
PROJECT NO: 1071-06-83								
CAT 0010	E RAMP	SHOULDERS	--	--	100	--	--	--
	189+03 E	RT	--	--	--	--	--	20
	F RAMP	SHOULDERS	--	--	200	--	--	--
	190+51 F	RT	--	--	--	--	--	16
	G RAMP	SHOULDERS	--	--	190	--	--	--
	200+19 G	RT	--	--	--	--	--	23
	200+48 G	LT	--	--	--	--	--	20
	H RAMP	SHOULDERS	--	--	30	35	--	--
	200+66 H	RT	--	--	--	--	--	18
	GR LINE	C&G	--	--	--	10	--	--
	98+14 RS - 133+35 RS	PATH LT	615	--	--	--	--	--
	183+86 F - 189+90 F	PATH RT	110	--	--	--	--	--
	189+90 F	PATH LT	15	--	--	--	--	--
	207+73 WB	LT	--	--	--	--	--	7
	RS WIDENING	STAGE 1	--	1,360	--	--	--	--
	EW TEMP RAMP	STAGE 1	--	160	--	--	--	--
	GY TEMP RAMP	STAGE 1	--	520	--	--	--	--
	TG TEMP WIDENING	STAGE 1	--	110	--	--	--	--
	FY TEMP RAMP	STAGE 1	--	135	--	--	--	--
	HX TEMP RAMP	STAGE 1	--	200	--	--	--	--
	RN WIDENING	STAGE 2	--	1,580	--	--	--	--
	HX TEMP RAMP	STAGE 2	--	80	--	--	--	--
	FX TEMP RAMP	STAGE 2	--	160	--	--	--	--
	GZ TEMP RAMP	STAGE 2	--	355	--	--	--	--
	GY TEMP RAMP	STAGE 2	--	20	--	--	--	--
	UG TEMP WIDENING	STAGE 3A	--	40	--	--	--	--
1071-06-83 CATEGORY 0010 TOTAL			**740**	**4,720**	**520**	**45**	**--**	**104**
CAT 0040								
	EAGLE VIEWING AREA		410	--	--	--	--	--
1071-06-83 CATEGORY 0040 TOTAL			**410**	**--**	**--**	**--**	**--**	**--**
1071-06-83 TOTAL			**1,150**	**4,720**	**520**	**45**	**--**	**104**
PROJECT NO: 7190-03-72								
CAT 0010	133+35 RS - 135+75 RS	PATH LT	45	--	--	--	--	--
	RW CROSSOVER	STAGE 1	--	90	--	--	--	--
	RY TEMP RAMP	STAGE 2	--	70	--	--	--	--
7190-03-72 TOTAL			**45**	**160**	**--**	**--**	**--**	**--**
CONSTRUCTION TOTAL			**2,094**	**6,857**	**2,102**	**45**	**75**	**104**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONCRETE CURB AND GUTTER ITEMS

	STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0342 CONCRETE CURB & GUTTER INTEGRAL 18-INCH LF	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0590 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT LF	SPV.0090.02 CONCRETE CURB & GUTTER INTEGRAL 54-INCH TYPE A LF	SPV.0090.03 CONCRETE CURB AND GUTTER INTEGRAL 66-INCH TYPE A LF
CAT 0010										
PROJECT ID : 1071-06-82										
ROSE STREET NB										
	53+46 - 57+89 RN	RT	--	--	50	--	--	--	--	434
	53+68 - 57+91 RN	MED	--	--	860	--	--	--	--	--
	58+92 - 62+00 RN	MED	--	--	624	--	--	--	--	--
	59+15 - 62+00 RN	RT	--	--	--	--	--	--	--	295
	62+00 - 69+25 RN	RT	--	--	195	--	--	--	--	525
	62+00 - 69+75 RN	MED	--	--	1,553	--	--	--	--	--
	70+17 - 70+68 RN	ISLAND	--	--	70	--	--	--	--	110
	70+42 - 76+00 RN	MED	--	--	1,121	--	--	--	--	--
	71+19 - 76+00 RN	RT	--	--	94	--	--	--	--	388
	76+00 - 85+93 RN	RT	--	--	223	--	--	--	--	760
	76+00 - 86+04 RN	MED	--	--	2,014	--	--	--	--	--
	87+05 - 87+27 RN	ISLAND	--	--	31	--	--	--	--	42
	87+25 - 91+00 RN	MED	--	--	752	--	--	--	--	--
	88+14 - 91+00 RN	RT	--	--	--	--	--	--	--	286
	91+00 - 98+00 RN	RT	--	--	--	--	--	--	--	700
	91+00 - 98+00 RN	MED	--	--	1,401	--	--	--	--	--
ROSE STREET SB										
	53+15 - 62+00 RS	LT	--	--	173	--	--	--	--	888
	62+00 - 76+00 RS	LT	--	--	--	--	--	--	--	1,405
	76+00 - 86+63 RS	LT	--	--	26	--	--	--	--	1,050
	87+02 - 91+00 RS	LT	--	--	26	--	--	--	--	385
	91+00 - 98+00 RS	LT	--	--	--	--	--	--	--	700
W. GEORGE STREET										
	145+46 - 150+90 WG	LT	--	--	30	--	--	--	--	521
	145+46 - 149+71 WG	RT	--	--	242	--	--	--	--	219
	149+00 - 151+18 WG	MED	--	202	199	--	--	--	--	--
	150+01 - 151+11 WG	RT	--	--	40	--	--	--	--	115
	151+17 - 151+35 WG	ISLAND	--	--	31	--	--	--	--	14
	151+86 - 152+30 WG	ISLAND	--	--	58	--	--	--	--	31
	151+99 - 157+43 WG	RT	--	--	--	--	--	--	--	602
	152+15 - 157+29 WG	MED	--	--	1,030	--	--	--	--	--
	152+28 - 157+33 WG	LT	--	--	204	--	--	--	--	371
MOORE STREET										
	10+15 - 10+96 MS	RT	--	--	83	13	--	--	--	--
	10+55 - 12+03 MS	LT	--	--	112	58	--	--	--	--
	11+23 - 12+70 MS	RT	--	--	20	37	--	--	--	--
PALACE STREET										
	10+36 - 11+73 PS	RT	62	--	180	--	--	--	--	--
	10+66 - 12+50 PS	LT	--	--	222	--	--	--	--	--
	12+20 - 12+50 PS	RT	--	--	33	--	--	--	--	--
GEORGE STREET										
	5+52 - 8+46 GS	LT	--	--	30	371	--	--	--	--
	5+62 - 9+51 GS	RT	--	--	147	326	--	--	--	--
	10+39 - 13+48 GS	LT	15	--	--	--	--	--	--	299
	10+61 - 13+68 GS	RT	--	--	--	48	--	--	--	291
	13+74 - 14+53 GS	LT	--	--	--	136	--	--	--	--
	14+01 - 15+53 GS	RT	--	--	--	159	--	--	--	--
ACCESS ROAD										
	13+61 - 19+83 AR	RT/LT	--	--	--	1,346	--	--	--	--
1071-06-82 TOTAL			**77**	**202**	**11,874**	**2,494**	**--**	**--**	**--**	**10,431**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONCRETE CURB AND GUTTER ITEMS

STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0342 CONCRETE CURB & GUTTER INTEGRAL 18-INCH LF	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0590 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT LF	SPV.0090.02 CONCRETE CURB & GUTTER INTEGRAL 54-INCH TYPE A LF	SPV.0090.03 CONCRETE CURB AND GUTTER INTEGRAL 66-INCH TYPE A LF
CAT 0010									
PROJECT NO: 1071-06-83									
98+00 RN - 98+30 RN	RT	--	--	--	--	--	--	--	30
98+00 RN - 104+29 RN	MEDIAN	--	--	1,246	--	--	--	--	--
101+08 RN - 104+66 RN	RT (ISLAND)	--	--	--	--	--	--	358	--
105+15 RN - 116+78 RN	RT	--	--	--	--	--	--	--	1,166
105+28 RN - 116+14 RN	MEDIAN	--	--	2,144	--	--	--	--	--
117+21 RN - 128+25 RN	MEDIAN	--	--	2,182	--	--	--	--	--
118+13 RN - 118+63 RN	RT	--	--	50	--	--	--	--	--
118+63 RN - 133+21.32 RN	RT	--	--	--	--	--	--	--	1,459
128+59 RN - 133+21.32 RN	MEDIAN	--	--	895	--	--	--	--	--
98+14.27 RS - 103+01 RS	LT	--	--	--	--	--	--	--	486
103+01 RS - 103+51 RS	LT	--	--	50	--	--	--	--	--
104+82 RS - 115+84 RS	LT	--	--	--	--	--	--	--	1,106
115+84 RS - 116+60 RS	LT	--	--	76	--	--	--	--	--
117+82 RS - 121+50 RS	LT	--	--	369	--	--	--	--	--
121+50 RS - 126+94 RS	LT	--	--	--	--	--	--	--	544
126+94 RS - 127+84 RS	LT	--	--	90	--	--	--	--	--
129+51 RS - 132+99 RS	LT	--	--	348	--	--	--	--	--
132+99 RS - 133+35.72 RS	LT	--	--	--	--	--	--	--	37
189+12 E - 189+86 E	RT	--	--	--	--	131	--	--	--
189+63 E - 190+13 E	RT (ISLAND)	--	--	104	--	--	--	--	--
189+69 E - 190+10 E	LT	--	--	--	--	41	--	--	--
183+89.6 F - 190+50 F	RT	--	--	660	--	--	--	--	--
186+71 F - 190+46 F	LT	--	--	378	--	--	--	--	--
189+39 FA - 190+33	RT	--	--	90	--	--	--	--	--
189+43 FA - 189+64 FA	LT	--	--	--	--	40	--	--	--
199+61 G - 200+11 G	RT	--	--	--	--	50	--	--	--
199+64 G - 199+91 G	LT (ISLAND)	--	--	45	--	--	--	--	--
199+85 G - 200+45 G	LT	--	--	--	--	107	--	--	--
200+57 H - 201+10 H	LT	--	--	--	--	90	--	--	--
200+66 H - 200+90 H	RT	--	--	--	--	44	--	--	--
199+74 GR - 201+61 GR	LT	--	--	243	--	--	--	--	--
199+98 GR - 201+57 GR	RT	--	--	285	--	--	--	--	--
200+26 GR - 201+66 GR	MEDIAN	--	--	230	--	--	--	--	--
				--	--	--	--	--	--
1071-06-83 CATEGORY 0010 TOTAL		**--**	**--**	**9,485**	**--**	**503**	**--**	**358**	**4,828**
CATEGORY 0040									
EAGLE VIEWING AREA		--	--	--	735	--	--	--	--
1071-06-83 CATEGORY 0040 TOTAL		**--**	**--**	**--**	**735**	**--**	**--**	**--**	**--**
1071-06-83 TOTAL		**--**	**--**	**9,485**	**735**	**503**	**--**	**358**	**4,828**

CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB AND GUTTER ITEMS

	STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0342 CONCRETE CURB & GUTTER INTEGRAL 18-INCH LF	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0590 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT LF	SPV.0090.02 CONCRETE CURB & GUTTER INTEGRAL 54-INCH TYPE A LF	SPV.0090.03 CONCRETE CURB AND GUTTER INTEGRAL 66-INCH TYPE A LF
CAT 0010										
PROJECT NO: 7190-03-72										
	133+21.32 RN - 135+29 RN	RT	--	--	--	--	--	--	--	208
	133+21.32 RN - 135+56 RN	LT	--	--	194	--	--	41	--	--
	139+49 RN - 144+75 RN	RT	--	--	--	--	--	--	--	532
	139+93 RN - 147+25 RN	LT	--	--	732	--	--	--	--	--
	133+35.72 RS - 135+00 RS	LT	--	--	--	--	--	--	--	164
	133+35.72 RS - 135+45 RS	RT	--	--	209	--	--	--	--	--
	142+00 RS - 146+35 RS	RT	--	--	435	--	--	--	--	--
7190-03-72 TOTAL			**--**	**--**	**1,570**	**--**	**--**	**41**	**--**	**904**
CONSTRUCTION TOTAL			**77**	**202**	**22,929**	**3,229**	**503**	**41**	**358**	**16,163**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SIDEWALK AND MEDIAN ITEMS

	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.1500 CONCRETE STEPS SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	NOTES
CAT 0010								
PROJECT ID : 1071-06-82								
ROSE STREET								
	52+85 - 58+19 RN	RT	--	2,906	60	--	--	
	53+25 - 53+55 RS	LT	--	32	32	--	--	
	53+75 - 56+95 RN	MED	2,288	--	--	--	185	TYPE 1 NOSES
	57+85 - 57+92 RS	LT	--	12	12	--	--	
	58+85 - 62+00 RN	RT	--	1,894	24	--	--	
	58+92 - 62+45 RN	MED	2,592	--	24	--	55	TYPE 1 NOSE
	58+97 - 59+03 RS	LT	--	12	12	--	--	
	62+00 - 69+63 RN	RT	--	4,511	24	--	--	
	69+50 - 69+76 RN	MED	217	--	--	--	57	TYPE 1 NOSE
	70+11 - 70+68 RN	RT (ISLAND)	1,677	--	36	--	146	TYPE 2 NOSES
	70+33 - 70+39 RS	LT	--	12	12	--	--	
	70+39 - 73+70 RN	MED	2,819	--	--	--	61	TYPE 1 NOSE
	71+19 - 76+00 RN	RT	--	2,892	--	--	--	
	76+00 - 86+12 RN	RT	--	6,125	24	--	--	
	84+80 - 86+06 RN	MED	1,483	--	--	--	101	TYPE 1 NOSE
	86+06 - 87+29 RS	LT	--	64	64	--	--	
	87+00 - 87+29 RN	RT (ISLAND)	370	--	36	--	134	TYPE 2 NOSES
	87+25 - 91+00 RN	MED	2,932	--	--	--	41	TYPE 1 NOSE
	88+13 - 91+00 RN	RT	--	1,721	--	--	--	
	91+00 - 93+00 RN	MED	1,881	--	--	--	--	
	91+00 - 98+00 RN	RT	--	4,352	--	--	--	
W. GEORGE STREET								
	145+48 - 149+68 WG	RT	--	2,863	24	135	--	
	145+49 - 151+33 WG	LT	--	3,556	12	100	--	
	149+00 - 151+19 WG	MED	1,160	--	--	--	132	TYPE 1 NOSE
	150+06 - 151+30 WG	RT	--	1,165	24	--	--	
	151+18 - 151+35 WG	RT (ISLAND)	228	--	36	--	107	TYPE 2 NOSES
	151+82 - 157+35 WG	RT	--	3,297	24	--	--	
	151+86 - 152+30 WG	LT (ISLAND)	627	--	36	--	118	TYPE 2 NOSES
	152+15 - 157+29 WG	MED	1,963	--	--	--	107	TYPE 1 NOSES
	152+37 - 157+22 WG	LT	--	3,072	12	--	--	
PALACE STREET								
	10+75 - 13+75 PS	LT	--	1,736	12	--	--	
GEORGE STREET								
	5+66 - 9+32 GS	RT	--	1,993	24	--	--	
	5+66 - 8+72 GS	LT	--	1,543	24	--	--	
	10+76 - 13+48 GS	LT	--	1,343	12	--	--	
	10+92 - 13+39 GS	RT	--	1,424	12	--	--	
	13+71 - 14+72 GS	LT	--	624	12	--	--	
	13+99 - 14+18 GS	RT	--	110	24	--	--	
ACCESS ROAD								
	13+52 - 19+79 AR	LT	--	3,639	32	--	--	
LIVINGSTON STREET								
	10+47 - 11+12 LS	LT	--	398	12	--	--	
1071-06-82 TOTAL			**20,237**	**51,296**	**692**	**235**	**1,244**	

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SIDEWALK AND MEDIAN ITEMS

	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.1500 CONCRETE STEPS SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	NOTES
CAT 0010								
PROJECT NO: 1071-06-83								
	99+00 RN - 99+26 RN	RT SIDEWALK	--	211	--	--	--	
	103+61 RN - 104+22 RN	MEDIAN	890	--	--	--	69	
	104+40 RN	RT CURB RAMP	--	191	40	--	--	
	105+35 RN - 116+06 RN	MEDIAN	11,095	--	--	--	138	
	117+30 RN	RT ISLAND	207	--	--	--	70	
	117+28 RN - 117+88 RN	MEDIAN	890	--	--	--	69	
	124+80 RN - 128+18 RN	MEDIAN	2,829	--	--	--	57	
	128+65 RN - 128+80 RN	MEDIAN	170	--	--	--	--	
	128+60 RN	MEDIAN	--	--	--	--	67	
	103+90 RS	LT CURB RAMP	--	125	42	--	--	
	104+50 RS	LT ISLAND	736	--	60	--	71	
	104+80 RS	LT CURB RAMP	--	60	20	--	--	
	116+80 RS	LT CURB RAMP	--	68	20	--	--	
	117+40 RS	LT CURB RAMP	--	126	42	--	--	
	128+10 RS	LT CURB RAMP	--	117	42	--	--	
	129+10 RS	LT CURB RAMP	--	96	42	--	--	
	200+31 GR - 201+64 GR	ISLAND	1,325	--	40	--	111	
	186+71 F - 187+13 F	ISLAND	591	--	--	--	--	
	189+90 F	RT CURB RAMP	--	130	20	--	--	
	189+90 F	LT CURB RAMP	--	50	20	--	--	
	186+65 F	MEDIAN	--	--	--	--	69	
	190+50 F	MEDIAN	--	--	--	--	23	
1071-06-83 CATEGORY 0010 TOTAL			**18,733**	**1,174**	**388**	**--**	**744**	
	CATEGORY 0040							
	EAGLE VIEWING AREA		8,380	--	22	--	--	
1071-06-83 CATEGORY 0040 TOTAL			**8,380**	**--**	**22**	**--**	**--**	
1071-06-83 TOTAL			**27,113**	**1,174**	**410**	**--**	**744**	
PROJECT NO: 7190-03-72								
			--	--	--	--	--	
			--	--	--	--	--	
7190-03-72 TOTAL			**--**	**--**	**--**	**--**	**--**	
CONSTRUCTION TOTAL			**47,350**	**52,470**	**1,102**	**235**	**1,988**	

CATEGORY 0010 UNLESS OTHERWISE NOTED

FILE NAME : ch_0682_030202_mq.pptx PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _Aug 1, 2016 PLOT SCALE : 1:1

3

TEMPORARY SHORING

STATION - STATION	LOCATION	511.1100 TEMPORARY SHORING SF
CAT 0010		
PROJECT NO: 1071-06-83		
98+00 RN - 108+30 RN	LT	6,360
111+00 RN - 121+50 RN	LT	6,125
1071-06-83 TOTAL		**12,485**
CONSTRUCTION TOTAL		**12,485**

CONCRETE BARRIER TEMPORARY PRECAST

STATION TO STATION	LOCATION	603.8000 DELIVERED LF	603.8125 INSTALLED LF	614.0905 CRASH CUSHION TEMPORARY EACH	OBJECT MARKING PATTERN	CRASH TEST LEVEL	BACK WIDTH	TRAFFIC LOCATION	TRAFFIC DIRECTION	CRASH CUSHION SHIELDS
CAT 0010										
PROJECT NO: 1071-06-83										
STAGE 1B										
205+96 GY - 206+66 GY	RT	70	70	--						
STAGE 1B SUBTOTAL		**70**	**70**	**--**						
STAGE 3A										
108+54 RN - 112+00 RN	RT	346	346	--						
STAGE 3A SUBTOTAL		**346**	**346**	**--**						
1071-06-83 TOTAL		**416**	**416**	**--**						
PROJECT NO: 7190-03-72										
STAGE 3A										
132+60 RY - 135+65 RY	LT	305	305	1	OM-3R	TL-3	2	LT	UNIDIRECTIONAL	TEMPORARY CONCRETE BARRIER
STAGE 3A SUBTOTAL		**305**	**305**	**1**						
7190-03-72 TOTAL		**305**	**305**	**1**						
CONSTRUCTION TOTAL		**721**	**721**	**1**						

CONCRETE BARRIER

STATION TO STATION	LOCATION	603.1142 TYPE S42 LF	614.0805 CRASH CUSHION PERMANENT LOW MAINTENANCE EACH	OBJECT MARKING PATTERN	CRASH TEST LEVEL	BACK WIDTH	TRAFFIC LOCATION	TRAFFIC DIRECTION	CRASH CUSHION SHIELDS
CAT 0010									
PROJECT NO: 1071-06-83									
207+74 WB - 208+32 WB	LT	58	1	OM-3C	TL-3	6	LT/RT	UNIDIRECTIONAL	CONCRETE BARRIER
207+50 G - 208+33 G	RT	83	--						
1071-06-83 TOTAL		**141**	**1**						
CONSTRUCTION TOTAL		**141**	**1**						

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

DRILLED TIE AND DOWEL BARS

STATION - STATION	LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
CAT 0010			
PROJECT ID : 1071-06-82			
ROSE STREET			
53+23 - 53+41 RN	RT/LT	--	113
87+74 - 98+00 RN	RT/LT	343	2
W. GEORGE STREET			
145+42 WG	RT/LT	--	67
145+45 - 146+04 WG	LT	23	4
PALACE STREET			
12+50 PS	RT/LT	--	36
1071-06-82 TOTAL		**366**	**222**
PROJECT NO: 1071-06-83			
STAGE 2A			
207+74 WB - 208+77 WB	GORE	40	--
197+00 H	RAMP	--	11
208+79 G	RAMP	--	23
190+80 F	RAMP	--	11
STAGE 2A SUBTOTAL		**40**	**45**
STAGE 3A			
186+04 E	RAMP	--	11
STAGE 3A SUBTOTAL		**--**	**11**
1071-06-83 TOTAL		**40**	**56**
PROJECT NO: 7190-03-72			
STAGE 2A			
144+75 RN	NB LANES	--	16
STAGE 2A SUBTOTAL		**--**	**16**
STAGE 3A			
133+50 RS	SB LANES	--	16
142+00 RS - 146+35 RS	MEDIAN	173	--
144+75 RN - 147+25 RN	MEDIAN	99	--
STAGE 3A SUBTOTAL		**272**	**16**
7190-03-72 TOTAL		**272**	**32**
CONSTRUCTION TOTAL		**678**	**310**

MGS ITEMS

STATION - STATION	LOCATION	614.2300 GUARDRAIL 3 LF	614.2610 TERMINAL EAT EACH	614.2500 THRIE BEAM TRANSITION LF	614.2620 TERMINAL TYPE 2 EACH
CAT 0010					
PROJECT NO: 1071-06-83					
185+33 E - 188+11 E	LT	225	1	--	1
203+77 G - 206+32 G	LT	225	1	--	1
203+75 G - 207+50 G	RT	400	--	8	1
204+37 WB - 207+74 WB	RT	325	--	8	1
1071-06-83 TOTAL		**1,175**	**2**	**16**	**4**
PROJECT NO: 7190-03-72					
134+11 RN - 135+27 RN	RT	25	1	38	--
134+40 RN - 135+57 RN	LT	25	1	38	--
7190-03-72 TOTAL		**50**	**2**	**76**	**--**
CONSTRUCTION TOTAL		**1,225**	**4**	**92**	**4**

TEMPORARY MGS ITEMS

STATION - STATION	LOCATION	614.1000 GUARDRAIL LF	614.1200 TERMINAL EAT EACH	614.1100 THRIE BEAM TRANSITION LF
CAT 0010				
PROJECT NO: 1071-06-83				
107+50 RS - 108+03 RS	RT	**--**	**1**	**--**
1071-06-83 TOTAL		**--**	**1**	**--**
PROJECT NO: 7190-03-72				
134+75 RS - 135+77 RS	RT	12	1	38
7190-03-72 TOTAL		**12**	**1**	**38**
CONSTRUCTION TOTAL		**12**	**2**	**38**

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONSTRUCTION STAKING

	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
CAT 0010							
PROJECT ID: 1071-06-82							
ROSE STREET NB							
	53+34 - 62+00 RN	RT/LT	866	--	--	866	866
	62+00 - 76+00 RN	RT/LT	1,400	--	--	1,400	1,400
	76+00 - 91+00 RN	RT/LT	1,500	--	--	1,500	1,500
	91+00 - 98+00 RN	RT/LT	700	--	--	700	700
ROSE STREET SB							
	53+16 - 62+00 RS	RT/LT	884	--	--	884	884
	62+00 - 76+00 RS	RT/LT	1,400	--	--	1,400	1,400
	76+00 - 91+00 RS	RT/LT	1,500	--	--	1,500	1,500
	91+00 - 98+00 RS	RT/LT	700	--	--	700	700
W. GEORGE STREET							
	145+42 - 157+42 WG	RT/LT	1,200	--	--	1,200	1,200
MOORE STREET							
	10+29 -12+00 MS	RT/LT	171	87	129	113	171
PALACE STREET							
	10+35 - 12+50 PS	RT/LT	215	--	--	215	215
GEORGE STREET							
	5+60 - 9+44 GS	RT/LT	384	256	704	128	384
	10+36 - 15+33 GS	RT/LT	497	216	364	281	497
ACCESS ROAD							
	13+59 - 19+85 AR	RT/LT	626	626	1,346	--	626
1071-06-82 TOTAL			**12,043**	**1,185**	**2,543**	**10,887**	**12,043**

CATEGORY 0010
UNLESS OTHERWISE
NOTED

3

CONSTRUCTION STAKING

	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
CAT 0010							
PROJECT NO: 1071-06-83							
	98+00 RN - 133+21.32 RN	ROSE STREET NB	3,522	--	--	3,522	3,522
	98+14.27 RS - 133+35.72 RS	ROSE STREET SB	3,522	--	--	3,522	3,522
	182+89.78 E - 190+15 E	E RAMP	726	315	--	411	726
	186+65 F - 203+73.08 F	F RAMP	1,709	394	--	1,315	1,709
	199+60 G - 212+15.10 G	G RAMP	1,256	337	--	919	1,256
	197+00 H - 201+00 H	H RAMP	400	--	--	400	400
	202+50 WB - 208+00 WB	IH 90 WB	--	--	--	--	550
	188+95 FA - 190+05 FA	FA RAMP	110	--	--	110	110
	20+24.14 GR - 21+65 GR	GR LINE	141	--	--	141	141
	186+00 EW - 189+25 EW	TEMP EW RAMP	325	325	--	--	325
	102+56 FY - 106+00 FY	TEMP FY RAMP	344	344	--	--	344
	98+00 FX - 103+30 FX	TEMP FX RAMP	530	530	--	--	530
	200+00 GY - 211+10 GY	TEMP GY RAMP	1,110	1,110	--	--	1,110
	202+15 GZ - 209+54 GZ	TEMP GZ RAMP	739	739	--	--	739
	202+57 HX - 208+00 HX	TEMP HX RAMP	543	543	--	--	543
	197+90 HX - 200+00 HX	TEMP HX RAMP	210	210	--	--	210
	200+05 TG - 201+55 TG	TEMP TG LINE	150	150	--	--	150
	19+75 UG - 22+27 UG	TEMP UG LINE	252	252	--	--	252
	98+14 RS - 106+87 RS	TEMP RS WIDENING	873	873	--	--	873
	114+60 RS - 133+35 RS	TEMP RS WIDENING	1,875	1,875	--	--	1,875
	98+00 RN - 133+21 RN	TEMP RN WIDENING	3,521	3,521	--	--	3,521
1071-06-83 CATEGORY 0010 TOTAL			**21,858**	**11,518**	**--**	**10,340**	**22,408**
CAT 0040							
		EAGLE VIEWING AREA	284	284	735	--	284
1071-06-83 CATEGORY 0040 TOTAL			**284**	**284**	**735**	**--**	**284**
1071-06-83 TOTAL			**22,142**	**11,802**	**735**	**10,340**	**22,692**
PROJECT NO: 7190-03-72							
	133+21.32 RN - 135+35 RN	NB LANES	214	--	--	214	214
	139+85 RN - 144+75 RN	NB LANES	490	--	--	490	490
	133+35.72 RS - 133+50 RS	SB LANES	15	--	--	15	15
	131+85 RY - 134+76 RY	TEMP RY CROSSOVER	291	291	--	--	291
	141+95 RW - 147+22 RW	TEMP RW CROSSOVER	527	527	--	--	527
	133+35 RS - 133+50 RS	TEMP RS WIDENING	15	15	--	--	15
7190-03-72 TOTAL			**1,552**	**833**	**--**	**719**	**1,552**
CONSTRUCTION TOTAL			**35,737**	**13,820**	**3,278**	**21,946**	**36,287**

CATEGORY 0010 UNLESS OTHERWISE NOTED

CONSTRUCTION STAKING

	STATION	LOCATION	CONSTRUCTION STAKING LS
PROJECT NO: 1071-06-83			
CAT 0010			
	SPV.0105	10. RAMP REMOVAL SE QUAD	1
	SPV.0105	11. RAMP REMOVAL NE QUAD	1
	SPV.0105	12. RAMP REMOVAL NW QUAD	1
CAT 0040			
	SPV.0105	09. EAGLE VIEWING AREA	1
	SPV.0105	21. LANDSCAPING ITEMS	1

FENCE CHAIN LINK

	STATION	LOCATION	616.0206 FENCE CHAIN LINK 6-FT LF	616.0329 GATES CHAIN LINK 12-FT EACH
CAT 0010				
PROJECT NO: 1071-06-83				
	183+37 E - 189+56 E	LT	587	--
	188+00 F - 200+95 F	LT	1,430	1
	200+18 G - 208+79 G	LT	910	--
	197+00 H - 200+90 H	RT	500	--
	132+85 RN - 133+33 RN	RT	36	--
1071-06-83 TOTAL			**3,463**	**1**
PROJECT NO: 7190-03-72				
	133+33 RN - 134+83 RN	RT	270	--
7190-03-72 TOTAL			**270**	**--**
CONSTRUCTION TOTAL			**3,733**	**1**

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

STORM SEWER STRUCTURES

STRUCT	STATION	* OFFSET	LOCATION	SPV.0060.55 MANHOLE COVERS TYPE J-MODIFIED EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 CATCH BASINS 5-FT DIA EACH	611.1006 CATCH BASINS 6-FT DIA EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 MANHOLES 5-FT DIA EACH	611.2006 MANHOLES 6-FT DIA EACH	SPV.0060.50 MANHOLES 5-FT DIA W/GATE EACH	SPV.0060.51 MANHOLES 6-FT DIA W/GATE EACH	611.3004 INLETS 4-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	+ 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	** INVERT ELEVATION	*** DEPTH FT
CAT 0010																							
PROJECT NO: 1071-06-82																							
1-1	54+00	RN	28.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.03	640.59	5.44
1-2	54+00	RN	1.5 'LT	RN	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1	645.84	640.37	6.47
1-3	54+00	RN	8.3 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.46	641.29	6.17
1-4	53+90	RS	28.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	646.16	641.59	5.57
1-5	56+50	RN	1.5 'LT	RN	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	647.10	635.03	13.07
1-6	56+60	RN	34.0 'RT	RN	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	647.15	635.21	10.70
1-10	56+60	RN	69.0 'RT	RN	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	1	---	1	640.63	636.30	4.33
1-11	56+40	RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	648.52	630.60	18.92
1-13	57+50	RS	28.5 'LT	RN	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	648.22	643.59	5.63
1-14	57+70	RS	3.0 'RT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	647.45	643.44	5.01
1-15	57+80	RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.97	643.39	4.58
1-16	57+80	RN	28.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.32	643.24	4.08
1-18	59+70	RS	28.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	647.58	643.33	5.25
1-19	59+26	RS	28.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	647.52	638.79	9.73
1-21	59+26	RN	9.0 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	646.45	643.03	4.42
1-22	59+70	RN	9.0 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.50	642.37	5.13
1-23	59+70	RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.49	642.35	5.13
1-24	59+70	RN	28.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.83	642.29	4.54
1-26	59+26	RN	1.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	646.42	643.03	4.38
1-27	59+26	RN	28.5 'RT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	645.76	642.98	3.78
1-28	61+42	RN	67.5 'RT	RN	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	1	---	1	641.43	636.51	4.92
1-30	61+52	RN	33.0 'RT	RN	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	647.04	635.42	10.38
2-1	63+80	RS	1.5 'RT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	646.87	643.63	4.24
2-2	63+43	RS	1.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.83	642.89	4.94
2-3	63+45	RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.29	642.79	4.50
2-3A	63+45	RN	28.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.63	642.64	3.99
2-5	63+80	RN	28.5 'RT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	645.68	643.28	3.40
2-6	63+40	RS	28.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	647.47	637.56	10.91
2-8	67+20	RN	81.0 'RT	RN	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	1	---	1	641.18	636.85	4.33
2-8A	67+20	RN	45.0 'RT	RN	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	647.70	635.68	10.78
2-11	68+80	RN	1.5 'LT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	647.21	643.19	5.01
2-12	68+80	RN	42.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.81	642.99	4.81

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

STORM SEWER STRUCTURES

				SPV.0060.55	611.0606	611.0624	611.0642	611.1004	611.1005	611.1006	611.1230	611.2004	611.2005	611.2006	SPV.0060.50	SPV.0060.51	611.3004	611.3230	611.3902	611.8120.S	+ 650.4000			
				MANHOLE	INLET COVERS			CATCH BASINS				MANHOLES					INLETS				CONSTRUCTION			
		*		COVERS TYPE	TYPE B	TYPE H	TYPE MS	4-FT DIA	5-FT DIA	6-FT DIA	2X3-FT	4-FT DIA	5-FT DIA	6-FT DIA	5-FT DIA W/GATE	6-FT DIA W/GATE	4-FT DIA	2X3-FT	MEDIAN 2 GRATE	COVER PLATES	STAKING	RIM	** INVERT	*** DEPTH
STRUCT	STATION	OFFSET	LOCATION	J-MODIFIED EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			EACH	TEMPORARY EACH	STORM SEWER EACH	ELEVATION	ELEVATION	FT
CAT 0010																								
2-14	69+60 RN	1.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.81	642.19	5.61
2-15	69+60 RN	13.0 'LT	RN	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	646.88	642.02	5.86
2-16	69+60 RS	28.5 'LT	RN	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	647.00	641.74	6.26
2-17	70+20 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.63	638.19	9.43
2-19	10+80 PS	26.5 'RT	PS	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.14	641.29	4.85
2-20	10+90 PS	16.5 'LT	PS	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.30	640.99	5.30
2-21	70+90 RN	51.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.33	640.52	5.81
2-22	72+25 RN	28.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.61	641.09	5.51
2-23	72+00 RN	32.0 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.56	639.87	6.68
2-24	72+00 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	645.69	639.62	7.06
2-25	72+00 RN	10.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	645.48	639.04	7.44
2-26	72+00 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	645.66	637.25	9.41
2-28	72+25 RN	1.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.67	641.63	5.03
2-29	72+31 RN	10.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.45	641.43	5.02
2-30	72+31 RS	28.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.63	641.63	5.00
2-32	75+00 RN	28.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.81	642.29	5.52
2-33	75+00 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.87	642.07	5.79
2-34	75+00 RS	1.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.87	641.84	6.02
2-35	75+00 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.81	638.29	9.52
3-1	80+20 RN	40.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.83	642.03	4.80
3-2	80+55 RN	40.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.78	641.29	5.49
3-3	80+55 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.08	640.99	6.09
3-4	80+55 RS	1.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.08	640.77	6.31
3-5	80+55 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	646.02	637.39	9.63
3-7	80+20 RN	1.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.13	642.13	5.00
3-8	80+20 RS	1.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.13	642.13	5.00
3-9	80+20 RS	28.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.07	642.13	4.94
3-10	85+10 RN	54.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.55	641.53	5.01
3-11	85+50 RN	54.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.49	640.79	5.70
3-12	85+50 RN	13.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	645.83	640.37	6.46
3-13	85+50 RN	26.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	645.95	640.17	6.78
3-14	85+75 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	645.99	636.73	10.26
3-15	85+50 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.05	639.89	7.16
3-17	85+10 RN	13.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.89	642.13	4.76
3-18	85+36 RN	27.0 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.97	642.03	4.94
3-19	85+36 RS	28.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.05	642.13	4.92

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

STORM SEWER STRUCTURES

STRUCT	STATION	* OFFSET	LOCATION	SPV.0060.55 MANHOLE COVERS TYPE J-MODIFIED EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 CATCH BASINS 5-FT DIA EACH	611.1006 CATCH BASINS 6-FT DIA EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 MANHOLES 5-FT DIA EACH	611.2006 MANHOLES 6-FT DIA EACH	SPV.0060.50 MANHOLES 5-FT DIA W/GATE EACH	SPV.0060.51 MANHOLES 6-FT DIA W/GATE EACH	611.3004 INLETS 4-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	+ 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	** INVERT ELEVATION	*** DEPTH FT
CAT 0010																								
3-20	156+80 WG	38.0 'LT	WG	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	644.72	637.05	6.43
3-21	86+60 RN	1.0 'RT	RN	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	646.57	636.40	8.93
3-22	86+20 RS	28.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	646.07	635.00	12.07
3-24	156+80 WG	48.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	644.42	640.29	5.13
3-25	156+80 WG	32.5 'RT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	644.57	640.09	5.48
3-26	156+80 WG	13.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	644.66	639.77	5.89
3-27	87+40 RN	10.0 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.62	641.99	5.63
3-28	87+40 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	646.83	637.80	10.03
3-30	87+40 RS	40.5 'LT	RN	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	646.62	642.43	5.19
3-31	88+30 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	647.29	638.91	9.38
3-32	88+30 RN	44.0 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	646.92	639.23	8.69
4-1	92+60 RN	40.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.84	640.55	6.29
4-2	92+34 RN	40.5 'RT	RN	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	645.81	635.07	11.74
4-3	92+34 RN	1.5 'LT	RN	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	646.11	634.85	12.26
4-4	92+32 RS	12.5 'RT	RN	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	645.89	634.71	12.18
4-5	92+32 RS	40.5 'LT	RN	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1	645.82	634.46	12.36
4-7	92+60 RN	1.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1	646.13	642.13	5.00
4-8	92+60 RS	10.0 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1	645.97	641.29	5.68
4-9	92+60 RS	40.5 'LT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	645.85	641.93	4.92
4-10	97+75 RN	40.5 'RT	RN	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	649.45	644.79	5.66
4-11	97+75 RN	1.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	649.75	644.52	6.23
4-12	97+75 RS	1.5 'RT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	649.67	644.29	6.38
4-13	97+75 RS	40.5 'LT	RN	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	649.37	640.99	9.38
5-1	155+20 WG	28.5 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.77	639.29	4.48
5-2	155+60 WG	28.5 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.85	639.07	4.77
5-3	155+60 WG	13.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	643.15	638.82	5.32
5-4	155+60 WG	38.0 'LT	WG	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	643.15	638.17	3.74
5-5	155+20 WG	18.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	643.31	639.69	4.61
5-6	155+20 WG	13.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	643.07	639.55	4.52
5-7	155+20 WG	48.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.77	638.49	5.28
5-8	155+60 WG	48.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.85	638.27	5.58
5-9	149+40 WG	44.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.62	637.94	4.67
5-10	149+40 WG	14.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1	642.16	637.86	5.29
5-11	149+40 WG	7.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1	642.05	637.81	5.24
5-12	149+40 WG	28.5 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.62	637.23	5.38
5-13	150+92 WG	44.0 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.80	636.70	6.10
5-14	148+99 WG	28.5 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.67	638.24	4.43

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES

STRUCT	STATION	* OFFSET	LOCATION	SPV.0060.55 MANHOLE COVERS TYPE J-MODIFIED EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 TYPE H EACH	611.0642 TYPE MS EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 5-FT DIA EACH	611.1006 6-FT DIA EACH	611.1230 2X3-FT EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 5-FT DIA EACH	611.2006 6-FT DIA EACH	SPV.0060.50 5-FT DIA W/GATE EACH	SPV.0060.51 6-FT DIA W/GATE EACH	611.3004 INLETS 4-FT DIA	611.3230 2X3-FT	611.3902 MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	+ 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	** INVERT ELEVATION	*** DEPTH FT
CAT 0010																								
5-15	148+99 WG	43.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.37	638.04	4.32
5-16	145+60 WG	23.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	642.02	636.62	6.39
5-17	145+50 WG	33.5 'RT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	641.83	636.73	6.10
5-18	150+35 WG	28.5 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.88	636.97	5.90
6-1	152+44 WG	92.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.05	638.69	4.35
6-2	152+70 WG	77.5 'LT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.25	638.59	4.65
6-3	152+30 WG	6.0 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	642.95	638.39	5.56
6-4	152+30 WG	1.5 'LT	WG	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	643.20	637.85	6.35
6-5	152+20 WG	39.0 'RT	WG	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.42	637.75	5.67
6-8	10+45 GS	8.5 'RT	GS	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	642.59	636.11	5.24
6-8A	10+84 GS	4.0 'RT	GS	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	642.49	636.00	5.25
6-9	12+45 GS	1.0 'RT	GS	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	643.37	635.65	6.48
6-10	8+90 GS	25.5 'RT	GS	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.90	637.99	4.90
6-11	9+01 GS	25.5 'RT	GS	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.92	637.97	4.94
6-13	10+82 GS	30.5 'RT	GS	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	641.71	636.45	6.26
6-14	10+84 GS	28.5 'LT	GS	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	642.24	637.99	5.25
7-2	13+50 GS	3.5 'RT	GS	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	643.65	635.41	7.00
7-3	14+80 GS	6.5 'RT	GS	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	643.05	635.03	6.78
7-4	15+30 GS	6.5 'RT	GS	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	642.79	634.88	6.67
7-5	14+00 GS	35.5 'RT	GS	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	642.80	638.99	4.81
7-6	13+50 GS	35.0 'RT	GS	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	643.30	638.79	5.51
7-7	19+30 AR	30.0 'LT	AR	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.68	638.99	4.35
7-8	19+30 AR	16.5 'LT	AR	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.27	638.79	4.48
7-9	19+43 AR	16.5 'LT	AR	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.24	637.99	5.25
7-10	19+43 AR	16.5 'RT	AR	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	642.24	637.29	5.95
7-11	19+30 AR	16.5 'RT	AR	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	642.27	637.89	5.38
7-14	15+30 GS	17.5 'RT	GS	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	642.48	637.79	5.69
7-16	17+50 AR	16.5 'RT	AR	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	645.35	639.13	4.98
7-17	16+50 AR	16.5 'RT	AR	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	646.16	638.08	6.84
7-19	13+60 AR	10.0 'RT	AR	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	644.45	635.61	9.84
7-20	92+34 RN	72.0 'RT	RN	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	644.74	635.28	8.22
7-21	18+25 AR	16.5 'LT	AR	---	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	643.97	640.09	4.88
7-22	18+25 AR	16.5 'RT	AR	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	643.97	639.63	5.34
7-24	15+70 AR	16.5 'RT	AR	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	645.90	637.61	9.28
7-25	13+60 AR	0 'RT	AR	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	644.38	639.79	5.59
STAGE 1C/2A	61+42 RN	23.0 'LT	RN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	1	644.00	635.27	8.73
STAGE 1B	149+71 WG	5.5 'LT	WG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	1			
1071-06-82 CATEGORY 0010 TOTALS				**13**	**1**	**123**	**6**	**27**	**10**	**3**	**50**	**1**	**3**	**6**	**2**	**2**	**8**	**26**	**4**	**8**	**142**			

REMARKS

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

*** FOR STRUCTURES WITH CATCH BASINS, THE INVERT ELEVATION IS THE ELEVATION OF THE CATCH BASIN. FOR STRUCTURES WITHOUT CATCH BASINS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	SPV.0060.55 Manhole Covers Type J-Modified EACH	611.0606 Inlet Covers Type B EACH	611.0624 Inlet Covers Type H EACH	611.0642 Inlet Covers Type MS EACH	611.1004 Catch Basins 4-FT DIA EACH	611.1005 Catch Basins 5-FT DIA EACH	611.1006 Catch Basins 6-FT DIA EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	SPV.0060.50 5-FT DIA W/ GATE EACH	SPV.0060.50 6-FT DIA W/ GATE EACH	611.3004 Inlets 4-FT Diameter EACH	SPV.0060.30 Inlets 5-FT Diameter EACH	SPV.0060.31 Inlets 6-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.8120.S Cover Plates Temporary EACH	+ 650.4000 Construction Staking Storm Sewer EACH	RIM N	INVERT** N	DEPTH*** FT
PROJECT NO: 1071-06-83																												
A2	103+50 RS	45' LT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	651.12	645.33	5.00
A3	103+50 RS	1.5' RT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	651.51	645.79	4.93
A4	103+36 RN	1.5' LT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	650.74	644.00	5.74
A5	103+36 RN	27.5' RT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	1	650.74	644.40	5.34
B1	107+65 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	1	647.53	641.44	5.30
B2	107+65 RN	1.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	647.59	641.54	5.26
B3	107+79 RS	13.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.84	639.82	6.02
B4	107+79 RS	40.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.78	639.99	5.79
C1	197+37 H	82.4' RT	H RAMP	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	640.69	636.07	4.95
C10	114+30 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	649.62	638.23	10.64
C11	112+75 RN	28' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	648.03	639.42	7.61
C12	110+08 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	646.15	641.49	3.66
C13	109+98 RN	28.5' LT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	1	646.15	640.65	4.50
C14	110+08 RN	1.5' LT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.21	640.39	4.82
C15	109+98 RN	1.5' LT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.21	640.69	4.52
C2	114+44 RS	40.5' LT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	649.55	636.68	12.21
C3	114+44 RS	1.5' RT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	649.85	636.98	12.21
C4	112+15 RS	1.5' RT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	647.32	637.97	8.69
C5	109+94 RS	1.5' RT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	645.87	639.85	5.27
C6	109+84 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	645.86	639.00	5.86
C7	109+94 RS	40.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	645.57	638.91	5.66
C8	109+84 RS	405' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	645.56	639.06	5.50
C9	114+30 RN	13.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	649.44	638.02	10.67
E2	200+85 H	26.4' RT	H RAMP	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	650.24	644.24	5.00
F1	120+00 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	648.86	642.33	5.71
F2	120+00 RN	1.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	648.92	642.62	5.49
F3	120+14 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	648.90	640.83	7.08
F4	120+14 RS	54.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	648.32	641.62	5.70
G1	123+40 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	646.18	641.61	3.78
G2	123+40 RN	1.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	646.24	641.77	3.68
G3	123+54 RS	1.5' RT	RS1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	646.36	642.14	3.41
G4	123+54 RS	40.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	646.06	640.61	4.45
G5	123+50 RN	28.5' RT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.18	640.86	4.32
G6	123+50 RN	1.5' LT	RN1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	646.24	640.92	4.32
G7	123+64 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	646.36	641.04	4.32
G8	123+64 RS	40.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	646.06	640.74	4.32
H1	126+60 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	648.58	642.59	5.20
H2	126+60 RN	13.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	648.40	643.26	4.33
H3	126+74 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	648.82	641.35	6.47
H4	126+74 RS	40.5' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	648.52	642.02	5.50
I1	129+30 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	654.47	646.18	7.54
I2	129+30 RN	1.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	654.53	647.68	6.10
I3	129+44 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	654.63	647.14	6.49
I4	129+44 RS	43' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	654.33	647.83	5.50
N2	190+38 F	28.5' LT	F RAMP	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	651.30	642.64	7.91
N3	189+42 FA	1.5' RT	FA RAMP	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	650.06	644.21	4.85
R2	187+14 F	1.5' RT	F RAMP	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650.21	644.00	5.21
R3	187+14 F	28.5' LT	F RAMP	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	650.75	644.62	5.13
S2	189+71 E	1.4' RT	E RAMP	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650.04	643.17	5.87
Z2	102+64 RS	79.5' LT	RS1	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	648.88	634.42	13.68
T1	101+14 RS	11.3' RT	RS1	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	645.12	642.37	1.74
T7	118+16 RS	13.8' RT	RS1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	644.00	641.24	2.26
T9	123+20 RS	7.8' RT	RS1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	645.32	643.07	1.75
T10	129+19 RS	1.6' RT	RS1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	640.73	634.69	5.54
T13	100+60 FX	33.6' RT	TEMP FX	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	640.73	634.69	5.54
T15	203+50 GZ	50' LT	TEMP GZ	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	644.22	641.80	1.92
T16.1	103+74 FY	43.3' LT	TEMP FY	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	648.40	646.36	1.54
1071-06-83 CATEGORY 0010 TOTALS				2	--	48	6	--	--	--	26	3	--	--	1	--	--	6	1	1	14	2	2	20	57			

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	SPV.0060.55 Manhole Covers Type J-Modified EACH	611.0606 Inlet Covers Type B EACH	611.0624 Inlet Covers Type H EACH	611.0642 Inlet Covers Type MS EACH	611.1004 Catch Basins 4-FT DIA EACH	611.1005 Catch Basins 5-FT DIA EACH	611.1006 Catch Basins 6-FT DIA EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	SPV.0060.50 5-FT DIA W/ GATE EACH	SPV.0060.50 6-FT DIA W/ GATE EACH	611.3004 Inlets 4-FT Diameter EACH	SPV.0060.30 Inlets 5-FT Diameter EACH	SPV.0060.31 Inlets 6-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.8120.S Cover Plates Temporary EACH	650.4000 + Construction Staking Storm Sewer EACH	RIM N	INVERT** N	DEPTH*** FT
CAT 0040 - EAGLE VIEWING AREA																												
EV 10	EAGLE VIEWING AREA PARKING LOT			--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	643.56	635.46	7.60
EV 11	EAGLE VIEWING AREA PARKING LOT			--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	645.75	635.93	8.82
1071-06-83 CATEGORY 0040 TOTALS				--	--	1	2	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	2			
1071-06-83 TOTAL				2	--	49	8	--	--	--	26	3	--	--	1	--	--	6	1	1	15	2	3	20	59			
PROJECT NO: 7190-03-72																												
J1	132+30 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	1	662.56	657.63	3.93
J2	132+30 RN	1.5' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	662.63	656.33	5.55
J3	132+44 RS	1.5' RT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	1	662.43	655.29	6.14
J4	132+44 RS	37.2' LT	RS1	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	662.06	655.93	5.14
J5	135+00 RN	2.0' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	669.80	665.00	4.05
K1	140+39 RN	28.5' RT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	677.33	668.49	8.05
K2	140+39 RN	3.4' LT	RN1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	676.52	670.83	4.88
K2 CONNECT TO EXG	140+55 RN	13.4' LT	RN1	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	677.27	671.30	4.88
T11.1	134+86 RS	9.5' RT	RS1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	669.85	662.56	6.79
7190-03-72 TOTAL				**--**	**--**	**7**	**3**	**--**	**--**	**--**	**2**	**--**	**--**	**--**	**--**	**--**	**--**	**3**	**--**	**--**	**2**	**1**	**1**	**3**	**9**			
CONSTRUCTION TOTAL				**15**	**1**	**179**	**17**	**27**	**10**	**3**	**78**	**4**	**3**	**6**	**1**	**2**	**2**	**17**	**1**	**1**	**43**	**3**	**8**	**31**	**210**			

REMARKS
* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

+ ADDITIONAL QUANTITIES LOCATED ELSEWHERE

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

STORM SEWER ENDWALLS

STRUCTURE	STATION		OFFSET*	LOCATION	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch EACH	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch EACH	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch EACH	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch EACH	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch EACH	+ 650.4000 Construction Staking Storm Sewer EACH
CAT 0010											
PROJECT NO: 1071-06-82											
1-17	57+60	RN	56.0 'RT	RN	---	---	1	---	---	---	1
1-20	59+26	RS	75.0 'LT	RN	---	---	1	---	---	---	1
1-25	59+70	RN	56.0 'RT	RN	---	---	1	---	---	---	1
1-29	61+37	RS	100.0 'LT	RN	---	---	---	---	1	---	1
2-4	63+50	RN	54.0 'RT	RN	---	---	1	---	---	---	1
2-7	63+40	RS	67.5 'LT	RN	---	---	1	---	---	---	1
2-9	67+20	RS	84.0 'LT	RN	---	---	---	1	---	---	1
2-13	68+80	RN	71.5 'RT	RN	---	---	1	---	---	---	1
2-18	70+20	RS	62.5 'LT	RN	---	---	1	---	---	---	1
2-27	72+00	RS	77.0 'LT	RN	---	---	---	1	---	---	1
2-36	75+00	RS	75.0 'LT	RN	---	---	1	---	---	---	1
3-6	80+55	RS	63.5 'LT	RN	---	---	1	---	---	---	1
3-23	86+00	RS	74.0 'LT	RN	---	---	---	1	---	---	1
4-6	92+32	RS	95.0 'LT	RN	---	---	---	---	1	---	1
4-14	97+75	RS	81.0 'LT	RN	---	---	1	---	---	---	1
1071-06-82 CATERGOY 0010 TOTAL					--	--	10	3	2	--	15
PROJECT NO: 1071-06-83											
AE B	107+65	RN	63' RT	RN1	--	--	1	--	--	--	1
AE C	197+50	H	79.0' LT	H RAMP	--	--	--	--	1	--	1
AE F	120+00	RN	75.8' RT	RN1	--	1	--	--	--	--	1
AE G	123+40	RN	62.1' RT	RN1	--	--	--	1	--	--	1
AE H	126+60	RN	98.1' RT	RN1	--	--	1	--	--	--	1
AE I	129+04	RN	81.2' RT	RN1	--	--	1	--	--	--	1
AE A1	103+50	RS	87.3' LT	RS1	--	--	1	--	--	--	1
AE E1	200+35	H	44.2' RT	H RAMP	--	1	--	--	--	--	1
AE N1	189+51	F	53' RT	F RAMP	--	--	--	1	--	--	1
AE N4	190+90	F	78' LT	F RAMP	--	--	--	1	--	--	1
AE O1	189+63	E	52.8' LT	E RAMP	--	--	--	1	--	--	1
AE O2	189+25	E	50.2' RT	E RAMP	--	--	--	1	--	--	1
AE P1	200+75	G	69.7' RT	G RAMP	--	--	--	1	--	--	1
AE P2	200+75	G	73.8' LT	G RAMP	--	--	--	1	--	--	1
AE R1	187+14	F	66.5' RT	F RAMP	1	--	--	--	--	--	1
AE S1	189+75	E	49.6' LT	E RAMP	--	1	--	--	--	--	1
AE Z1	100+46	RS	225.2' LT	RS1	--	--	--	--	--	1	1
AE Z3	102+60	RN	157.1' RT	RN1	--	--	--	--	--	1	1
AE C16	114+30	RN	82.7' RT	RN1	--	--	--	1	--	--	1
1071-06-83 CATERGOY 0010 TOTAL					1	3	4	8	1	2	19
CAT 0040-EAGLE VIEWING AREA											
EV1	42+20	EV	32.9' RT	EV AREA	--	1	--	--	--	--	1
EV2	42+39	EV	16.3' LT	EV AREA	--	1	--	--	--	--	1
EV3	56+77	BL	12.7' RT	EV AREA	--	1	--	--	--	--	1
EV4	56+68	BL	2.7' LT	EV AREA	--	1	--	--	--	--	1
1071-06-83 CATEGORY 0040 TOTAL					--	4	--	--	--	--	4
1071-06-83 TOTAL					1	7	4	8	1	2	23
PROJECT NO: 7190-03-72											
AE K	140+39	RN	64' RT	RN1	--	--	1	--	--	--	1
7190-03-72 CATEGORY 0010 TOTAL					**--**	**--**	**1**	**--**	**--**	**--**	**1**
CONSTRUCTION TOTAL					**1**	**7**	**15**	**11**	**3**	**2**	**39**

+ ADDITIONAL QUANTITIES LOCATED ELSEWHERE

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPES

FROM	-	TO	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	JOINT TIES* EACH	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
PROJECT NO: 1071-06-82														
1-1	-	1-2	---	---	30	---	---	---	---	---	---	640.59	640.47	0.0050
1-2	-	1-5	---	---	259	---	---	---	---	---	---	640.37	639.04	0.0050
1-3	-	1-2	---	---	8	---	---	---	---	---	---	641.29	641.24	0.0050
1-4	-	1-3	---	---	42	---	---	---	---	---	---	641.59	641.39	0.0050
1-5	-	1-11	---	---	---	49	---	---	---	---	---	635.03	634.90	0.0026
1-6	-	1-5	---	---	---	36	---	---	---	---	---	635.21	635.13	0.0026
1-10	-	1-6	---	---	---	34	---	---	---	---	---	636.30	636.21	0.0026
1-13	-	1-11	---	---	115	---	---	---	---	---	---	643.59	643.02	0.0050
1-14	-	1-15	---	---	18	---	---	---	---	---	---	643.44	643.39	0.0026
1-15	-	1-16	---	---	30	---	---	---	---	---	---	643.39	643.33	0.0026
1-16	-	1-17	---	---	30	---	---	---	---	---	6	643.24	643.15	0.0026
1-18	-	1-19	40	---	---	---	---	---	---	---	---	643.33	643.13	0.0050
1-19	-	1-20	---	---	45	---	---	---	---	---	6	638.79	638.57	0.0050
1-21	-	1-22	40	---	---	---	---	---	---	---	---	643.03	642.93	0.0026
1-22	-	1-23	---	---	8	---	---	---	---	---	---	642.37	642.35	0.0026
1-23	-	1-24	---	---	30	---	---	---	---	---	---	642.35	642.29	0.0026
1-24	-	1-25	---	---	28	---	---	---	---	---	6	642.29	642.21	0.0026
1-26	-	1-23	45	---	---	---	---	---	---	---	---	643.03	642.92	0.0026
1-27	-	1-24	45	---	---	---	---	---	---	---	---	642.98	642.87	0.0026
1-28	-	1-30	---	---	---	---	---	34	---	---	---	636.51	636.42	0.0026
1-30	-	1-29	---	---	---	---	---	156	---	---	6	636.42	635.02	0.0026
2-1	-	2-2	35	---	---	---	---	---	---	---	---	643.63	643.46	0.0050
2-2	-	2-3	---	---	20	---	---	---	---	---	---	642.89	642.79	0.0050
2-3	-	2-3A	---	---	30	---	---	---	---	---	---	642.79	642.64	0.0050
2-3A	-	2-4	---	---	25	---	---	---	---	---	6	642.64	642.52	0.0050
2-5	-	2-3A	---	---	---	---	---	---	36	---	---	643.28	643.14	0.0040
2-6	-	2-7	---	---	40	---	---	---	---	---	6	637.56	637.29	0.0050
2-8	-	2-8A	---	---	---	35	---	---	---	---	---	636.85	636.68	0.0050
2-8A	-	2-9	---	---	---	153	---	---	---	---	6	635.68	634.93	0.0050
2-11	-	2-12	---	---	44	---	---	---	---	---	---	643.19	642.99	0.0050
2-12	-	2-13	---	---	29	---	---	---	---	---	6	642.99	642.84	0.0050
2-14	-	2-15	---	---	12	---	---	---	---	---	---	642.19	642.12	0.0050
2-15	-	2-16	---	---	39	---	---	---	---	---	---	642.02	641.84	0.0050
2-16	-	2-17	---	---	61	---	---	---	---	---	---	641.74	641.44	0.0050
2-17	-	2-18	---	---	34	---	---	---	---	---	6	638.19	638.04	0.0050
2-19	-	2-20	---	---	44	---	---	---	---	---	---	641.29	641.09	0.0050
2-20	-	2-21	---	---	75	---	---	---	---	---	---	640.99	640.62	0.0050
2-21	-	2-23	---	---	110	---	---	---	---	---	---	640.52	639.97	0.0050
2-22	-	2-23	---	---	25	---	---	---	---	---	---	641.09	640.97	0.0050
2-23	-	2-24	---	---	34	---	---	---	---	---	---	639.87	639.72	0.0050
2-24	-	2-25	---	---	9	---	---	---	---	---	---	639.62	639.54	0.0050
2-25	-	2-26	---	---	---	40	---	---	---	---	---	639.04	638.87	0.0050
2-26	-	2-27	---	---	---	51	---	---	---	---	6	637.25	637.05	0.0050
2-28	-	2-24	25	---	---	---	---	---	---	---	---	641.63	641.51	0.0050
2-29	-	2-25	30	---	---	---	---	---	---	---	---	641.43	641.26	0.0050
2-30	-	2-26	30	---	---	---	---	---	---	---	---	641.63	641.46	0.0050
2-32	-	2-33	---	---	30	---	---	---	---	---	---	642.29	642.17	0.0050
2-33	-	2-34	---	---	21	---	---	---	---	---	---	642.07	641.94	0.0050
2-34	-	2-35	---	---	30	---	---	---	---	---	---	641.84	641.72	0.0050
2-35	-	2-36	---	---	47	---	---	---	---	---	6	638.29	638.07	0.0050
3-1	-	3-2	35	---	---	---	---	---	---	---	---	642.03	641.86	0.0050
3-2	-	3-3	---	---	42	---	---	---	---	---	---	641.29	641.09	0.0050
3-3	-	3-4	---	---	21	---	---	---	---	---	---	640.99	640.87	0.0050
3-4	-	3-5	---	---	30	---	---	---	---	---	---	640.77	640.64	0.0050
3-5	-	3-6	---	---	35	---	---	---	---	---	6	637.39	637.24	0.0050
3-7	-	3-3	35	---	---	---	---	---	---	---	---	642.13	641.96	0.0050
3-8	-	3-4	35	---	---	---	---	---	---	---	---	642.13	641.96	0.0050
3-9	-	3-5	35	---	---	---	---	---	---	---	---	642.13	641.96	0.0050
3-10	-	3-11	40	---	---	---	---	---	---	---	---	641.53	641.33	0.0050
3-11	-	3-12	---	---	68	---	---	---	---	---	---	640.79	640.47	0.0050

CATEGORY 0010
UNLESS OTHERWISE
NOTED

STORM SEWER PIPES

FROM	-	TO	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	JOINT TIES* EACH	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
3-12	-	3-13	---	---	13	---	---	---	---	---	---	640.37	640.27	0.0050
3-13	-	3-15	---	---	38	---	---	---	---	---	---	640.17	639.99	0.0050
3-14	-	3-22	---	---	47	---	---	---	---	---	---	636.73	635.50	0.0050
3-15	-	3-14	---	---	25	---	---	---	---	---	---	639.89	639.77	0.0050
3-17	-	3-12	40	---	---	---	---	---	---	---	---	642.13	641.93	0.0050
3-18	-	3-13	15	---	---	---	---	---	---	---	---	642.03	641.96	0.0050
3-19	-	3-15	15	---	---	---	---	---	---	---	---	642.13	642.06	0.0050
3-20	-	3-21	---	---	---	108	---	---	---	---	---	637.05	636.50	0.0050
3-21	-	3-22	---	---	---	76	---	---	---	---	---	636.40	636.00	0.0050
3-22	-	3-23	---	---	---	53	---	---	---	---	6	635.00	634.70	0.0050
3-24	-	3-20	---	---	10	---	---	---	---	---	---	640.29	640.24	0.0050
3-25	-	3-26	---	---	49	---	---	---	---	---	---	640.09	639.87	0.0050
3-26	-	3-20	---	---	25	---	---	---	---	---	---	639.77	639.64	0.0050
3-27	-	3-28	---	---	10	---	---	---	---	---	---	641.99	641.92	0.0050
3-28	-	3-21	---	---	80	---	---	---	---	---	---	637.80	637.40	0.0050
3-30	-	3-22	---	---	118	---	---	---	---	---	---	642.43	641.84	0.0050
3-31	-	3-28	93	---	---	---	---	---	---	---	---	638.91	638.31	0.0050
3-32	-	3-31	45	---	---	---	---	---	---	---	---	639.23	639.01	0.0050
4-1	-	4-2	25	---	---	---	---	---	---	---	---	640.55	640.43	0.0050
4-2	-	4-3	---	---	---	---	---	42	---	---	---	635.07	634.95	0.0030
4-3	-	4-4	---	---	---	---	---	10	---	---	---	634.85	634.81	0.0030
4-4	-	4-5	---	---	---	---	---	53	---	---	---	634.71	634.56	0.0030
4-5	-	4-6	---	---	---	---	---	55	---	---	6	634.46	634.28	0.0030
4-7	-	4-3	26	---	---	---	---	---	---	---	---	642.13	642.01	0.0050
4-8	-	4-4	---	---	27	---	---	---	---	---	---	641.29	641.14	0.0050
4-9	-	4-5	26	---	---	---	---	---	---	---	---	641.93	641.81	0.0050
4-10	-	4-11	---	---	42	---	---	---	---	---	---	644.79	644.62	0.0050
4-11	-	4-12	---	---	21	---	---	---	---	---	---	644.52	644.39	0.0050
4-12	-	4-13	---	---	42	---	---	---	---	---	---	644.29	644.09	0.0050
4-13	-	4-14	---	---	41	---	---	---	---	---	6	640.99	640.82	0.0050
5-1	-	5-2	---	---	---	---	---	---	---	35	---	639.29	639.12	0.0050
5-2	-	5-3	---	---	42	---	---	---	---	---	---	639.07	638.87	0.0050
5-3	-	5-4	---	---	25	---	---	---	---	---	---	638.82	638.69	0.0050
5-4	-	3-20	---	---	125	---	---	---	---	---	---	638.17	637.55	0.0050
5-5	-	5-6	---	---	5	---	---	---	---	---	---	639.69	639.67	0.0050
5-6	-	5-3	---	---	35	---	---	---	---	---	---	639.55	639.38	0.0050
5-7	-	5-8	---	---	35	---	---	---	---	---	---	638.49	638.32	0.0050
5-8	-	5-4	---	---	11	---	---	---	---	---	---	638.27	638.22	0.0050
5-9	-	5-10	---	---	30	---	---	---	---	---	---	637.94	637.88	0.0026
5-10	-	5-11	---	---	8	---	---	---	---	---	---	637.86	637.83	0.0026
5-11	-	5-12	---	---	36	---	---	---	---	---	---	637.81	637.73	0.0026
5-12	-	5-18	---	---	---	101	---	---	---	---	---	637.23	636.97	0.0026
5-18	-	5-13	---	---	---	65	---	---	---	---	---	636.97	636.80	0.0026
5-13	-	6-13	---	---	---	59	---	---	---	---	---	636.70	636.55	0.0026
5-14	-	5-12	---	---	---	---	---	---	---	40	---	638.24	638.14	0.0026
5-15	-	5-9	---	---	---	---	---	---	---	40	---	638.04	637.96	0.0020
5-17	-	5-16	58	---	---	---	---	---	---	---	---	636.73	636.62	0.0050
6-1	-	6-2	---	---	21	---	---	---	---	---	---	638.69	638.64	0.0026
6-2	-	6-3	---	---	76	---	---	---	---	---	---	638.59	638.40	0.0026
6-3	-	6-4	---	---	5	---	---	---	---	---	---	638.39	638.37	0.0026
6-4	-	6-5	---	---	---	42	---	---	---	---	---	637.85	637.75	0.0026
6-5	-	6-8	---	---	---	81	---	---	---	---	---	637.75	637.50	0.0026
6-8	-	6-8A	---	---	---	---	39	---	---	---	---	636.11	636.03	0.0030
6-8A	-	6-9	---	---	---	---	161	---	---	---	---	636.00	635.68	0.0020
6-9	-	7-2	---	---	---	---	109	---	---	---	---	635.65	635.44	0.0020

CATEGORY 0010
UNLESS OTHERWISE NOTED

3

STORM SEWER PIPES

FROM	-	TO	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	JOINT TIES* EACH	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
6-10	-	6-11	---	---	9	---	---	---	---	---	---	637.99	637.97	0.0026
6-11	-	6-8	---	---	145	---	---	---	---	---	---	637.97	637.56	0.0026
6-13	-	6-8A	---	---	28	---	---	---	---	---	---	636.45	636.38	0.0026
6-14	-	6-8A	---	---	32	---	---	---	---	---	---	637.99	637.91	0.0026
7-2	-	7-3	---	---	---	---	126	---	---	---	---	635.41	635.08	0.0026
7-3	-	7-4	---	---	---	---	51	---	---	---	---	635.03	634.88	0.0026
7-5	-	7-6	---	---	53	---	---	---	---	---	---	638.99	638.86	0.0026
7-6	-	7-2	---	---	33	---	---	---	---	---	---	638.79	638.71	0.0026
7-7	-	7-8	---	---	14	---	---	---	---	---	---	638.99	638.95	0.0026
7-8	-	7-9	---	---	18	---	---	---	---	---	---	638.79	638.75	0.0026
7-9	-	7-10	---	---	33	---	---	---	---	---	---	637.99	637.91	0.0026
7-10	-	7-3	---	---	---	63	---	---	---	---	---	637.29	637.13	0.0026
7-11	-	7-10	---	---	18	---	---	---	---	---	---	637.89	637.83	0.0026
7-14	-	7-4	---	---	11	---	---	---	---	---	---	637.79	637.77	0.0026
7-16	-	7-17	---	---	107	---	---	---	---	---	---	639.13	638.58	0.0050
7-17	-	7-24	---	---	---	76	---	---	---	---	---	638.08	637.71	0.0050
7-19	-	7-20	---	---	---	---	---	76	---	---	---	635.61	635.38	0.0030
7-20	-	4-2	---	---	---	---	---	32	---	---	---	635.28	635.17	0.0030
7-21	-	7-22	---	---	33	---	---	---	---	---	---	640.09	639.93	0.0050
7-22	-	7-16	---	---	79	---	---	---	---	---	---	639.63	639.23	0.0050
7-24	-	7-19	---	---	---	201	---	---	---	---	---	637.61	636.61	0.0050
7-25	-	7-19	---	---	10	---	---	---	---	---	---	639.79	639.74	0.0050
**1071-06-82 CATEGORY 0010 **			**813**	**---**	**3263**	**1323**	**486**	**458**	**36**	**115**				

*NON-BID ITEM: FOR INFORMATION ONLY

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPES

FROM	-	TO	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
PROJECT NO: 1071-06-83															
A2	-	AE A1	--	--	44	--	--	--	--	--	--	3	645.33	644.89	0.0100
A3	-	A2	--	--	46	--	--	--	--	--	--	--	645.79	645.33	0.0100
A4	-	A3	--	--	21	--	--	--	--	--	--	--	646.00	645.79	0.0100
A5	-	A4	--	29	--	--	--	--	--	--	--	--	646.40	646.25	0.0052
AE C16	-	C10	--	--	--	54	--	--	--	--	--	3	638.50	638.23	0.0050
AE N4	-	N2	--	--	--	72	--	--	--	--	--	3	643.00	642.64	0.0050
AE O1	-	AE O2	--	--	--	110	--	--	--	--	--	3	642.51	641.56	0.0086
AE P2	-	AE P1	--	--	--	144	--	--	--	--	--	3	639.54	639.26	0.0019
AE Z3	-	Z2	--	--	--	--	--	--	261	--	--	3	634.96	634.42	0.0021
B1	-	AE B	--	--	35	--	--	--	--	--	--	3	641.44	641.33	0.0031
B2	-	B1	--	--	30	--	--	--	--	--	--	--	641.54	641.44	0.0033
B3	-	B2	--	9	--	--	--	--	--	--	--	--	641.82	641.79	0.0033
B4	-	B3	--	54	--	--	--	--	--	--	--	--	641.99	641.82	0.0031
C1	-	AE C	--	--	--	--	--	162	--	--	--	3	636.07	634.92	0.0071
C10	-	C9	--	--	--	42	--	--	--	--	--	--	638.23	638.02	0.0050
C11	-	C10	--	--	155	--	--	--	--	--	--	--	639.42	638.23	0.0077
C12	-	C11	--	--	267	--	--	--	--	--	--	--	641.49	639.42	0.0078
C12	-	C14	--	30	--	--	--	--	--	--	--	--	642.39	642.29	0.0033
C13	-	C12	10	--	--	--	--	--	--	--	--	--	642.65	642.49	0.0160
C14	-	C15	10	--	--	--	--	--	--	--	--	--	642.69	642.64	0.0050
C2	-	C1	--	--	--	--	--	86	--	--	--	--	636.68	636.07	0.0071
C3	-	C2	--	--	--	--	--	42	--	--	--	--	636.98	636.68	0.0071
C4	-	C3	--	--	--	--	--	229	--	--	--	--	637.97	636.98	0.0043
C5	-	C4	--	--	--	221	--	--	--	--	--	--	639.85	638.97	0.0040
C6	-	C5	10	--	--	--	--	--	--	--	--	--	641.00	640.85	0.0150
C7	-	C5	--	42	--	--	--	--	--	--	--	--	640.91	640.70	0.0050
C8	-	C7	10	--	--	--	--	--	--	--	--	--	641.06	641.01	0.0050
C9	-	C3	--	--	--	9	--	--	--	--	--	--	638.02	637.97	0.0056
E2	-	AE E1	--	46	--	--	--	--	--	--	--	3	646.24	645.00	0.0270
F1	-	AE F	--	47	--	--	--	--	--	--	--	3	642.35	640.64	0.0364
F2	-	F1	--	30	--	--	--	--	--	--	--	--	642.63	642.33	0.0100
F3	-	F2	--	21	--	--	--	--	--	--	--	--	642.83	642.62	0.0100
F4	-	F3	56	--	--	--	--	--	--	--	--	--	643.62	643.06	0.0100
G1	-	AE G	--	--	34	--	--	--	--	--	--	3	641.61	641.43	0.0053
G2	-	G1	--	--	30	--	--	--	--	--	--	--	641.77	641.61	0.0053
G3	-	G2	--	21	--	--	--	--	--	--	--	--	642.14	642.02	0.0057
G4	-	G3	42	--	--	--	--	--	--	--	--	--	642.61	642.39	0.0052
G5	-	G1	10	--	--	--	--	--	--	--	--	--	642.86	642.61	0.0250
G6	-	G2	10	--	--	--	--	--	--	--	--	--	642.92	642.77	0.0150
G7	-	G3	10	--	--	--	--	--	--	--	--	--	643.04	642.98	0.0060
G8	-	G4	10	--	--	--	--	--	--	--	--	--	642.74	642.71	0.0030
H1	-	AE H	--	--	79	--	--	--	--	--	--	3	642.59	639.76	0.0358
H2	-	H1	--	42	--	--	--	--	--	--	--	--	643.26	642.84	0.0100
H3	-	H2	--	9	--	--	--	--	--	--	--	--	643.35	643.26	0.0100
H4	-	H3	42	--	--	--	--	--	--	--	--	--	644.02	643.60	0.0100
I1	-	AE I	--	--	--	59	--	--	--	--	--	3	646.18	641.85	0.0734
I2	-	I1	--	30	--	--	--	--	--	--	--	--	647.68	646.18	0.0500
I3	-	I2	--	21	--	--	--	--	--	--	--	--	649.14	648.93	0.0100
I4	-	I3	45	--	--	--	--	--	--	--	--	--	649.83	649.38	0.0100
J2	-	I2	--	--	--	300	--	--	--	--	--	--	656.33	648.18	0.0272
N2	-	AE N1	--	--	--	119	--	--	--	--	--	3	642.64	642.16	0.0040
N3	-	N2	88	--	--	--	--	--	--	--	--	---	646.21	643.64	0.0292
R2	-	AE R1	65	--	--	--	--	--	--	--	--	3	646.00	641.50	0.0692
R3	-	R2	30	--	--	--	--	--	--	--	--	---	646.62	646.00	0.0207
S2	-	AE S1	--	60	--	--	--	--	--	--	--	3	645.17	642.77	0.0400
Z2	-	AE Z1	--	--	--	--	--	--	262	--	--	3	634.42	633.86	0.0021
1071-06-83 CATERGOY 0010 TOTAL			**448**	**491**	**741**	**1,130**	**--**	**519**	**523**	**--**	**--**				

CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPES

FROM	-	TO	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
CAT 0040-EAGLE VIEWING AREA															
EV1	-	EV2	--	52	--	--	--	--	--	--	--		643.00	641.50	0.0288
EV3	-	EV4	--	18	--	--	--	--	--	--	--		641.06	641.00	0.0035
1071-06-83 CATEGORY 0040 TOTAL			**0**	**70**	**0**	**0**	**0**	**0**	**0**	**0**	**0**				
1071-06-83 TOTAL			**448**	**561**	**741**	**1130**	**0**	**519**	**523**	**0**	**0**				
PROJECT NO: 7190-03-72															
J1	-	J2	30	--	--	--	--	--	--	--	--	--	657.63	657.33	0.0100
J3	-	J2	--	21	--	--	--	--	--	--	--	--	657.29	657.08	0.0100
J4	-	J3	39	--	--	--	--	--	--	--	--	--	657.93	657.54	0.0100
J5	-	J2	--	--	270	--	--	--	--	--	--	--	665.00	656.33	0.0321
STUB	-	J5	8	--	--	--	--	--	--	--	--	--	666.19	666.00	0.0238
K2	-	K1	--	32	--	--	--	--	--	--	--	--	670.83	670.19	0.0200
K1	-	AE K	--	--	59	--	--	--	--	--	--	3	668.49	662.60	0.0998
EXG	-	K2	--	19	--	--	--	--	--	--	--	--	671.30	670.93	0.0195
7190-03-72 TOTAL			**77**	**72**	**329**	**--**	**--**	**--**	**--**	**--**	**--**				
CONSTRUCTION TOTAL			**1,338**	**633**	**4,333**	**2,453**	**486**	**977**	**523**	**36**	**115**				

* NON-BID ITEM: FOR INFORMATION ONLY

CONCRETE COLLARS FOR PIPE

STATION	LOCATION	520.8000 CONCRETE COLLARS FOR PIPES EACH
CAT 0010		
PROJECT ID : 1071-06-82		
56+40 RS	29' LT	1
85+66 RN	59' LT	1
151+50 WG	20' LT	1
1071-06-82 TOTAL		3
PROJECT ID : 1071-06-83		
101+13 RN	0.8' RT	1
123+20 RN	17.4' RT	1
108+02 RN	55.8' RT	1
113+03 RN	62.0' RT	1
116+36 RN	79.0' RT	1
118+02 RN	75.6' RT	1
205+70 HX	7.7' LT	1
1071-06-83 TOTAL		7
CONSTRUCTION TOTAL		10

RECONSTRUCTING INLETS

STATION	LOCATION	611.0430 RECONSTRUCTING INLETS EACH
CAT 0010		
PROJECT ID : 7190-03-72		
140+55 RN	14.0' LT	1
7190-03-72 TOTAL		1
CONSTRUCTION TOTAL		1

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CULVERT PIPE TEMPORARY (SIZE)

FROM	-	TO	520.2012 12-INCH LF	520.2015 15-INCH LF	520.2018 18-INCH LF	520.2024 24-INCH LF	520.2036 36-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY
PROJECT NO: 1071-06-82											
2-25	-	96' LT RN	--	--	86	--	--	639.50	639.00	0.0058	80
3-3	-	70' LT RS	--	--	90	--	--	640.99	640.00	0.0110	83
3-12	-	EXISTING	--	--	72	--	--	640.37	640.00	0.0051	67
5-10		149+71 WG	31	--	--	--	--	637.86	637.70	0.0052	10
61+42 RN	23.0' LT	EXISTING	--	--	10	--	--	639.00	638.87	0.0130	30
1071-06-82 TOTAL			31	--	258	--	--				270
PROJECT NO: 1071-06-83											
T1	-	T1.3	--	--	--	11	--	642.37	642.26	0.0100	--
T1.1	-	T1	--	--	14	--	--	643.28	642.37	0.0650	--
T1.2	-	T1	36	--	--	--	--	643.38	642.37	0.0281	--
T10.1	-	T10	22	--	--	--	--	651.33	649.50	0.0832	--
T10.2	-	T10	24	--	--	--	--	652.29	649.50	0.1162	--
T12	-	T12.1		--	--	89	--	643.50	641.90	0.0180	--
T14	-	T14.1	10	--	--	--	--	641.40	641.20	0.0200	--
T15	-	T15.1	76	--	--	--	--	641.80	641.42	0.0050	--
T16	-	T16.1	32	--	--	--	--	646.50	646.36	0.0044	--
T16.1	-	T16.2	96	--	--	--	--	646.36	645.95	0.0043	--
T18	-	T18.1	--	43	0	--	--	641.05	639.28	0.0412	--
T2.1	-	T2	60	--	--	--	--	643.00	641.50	0.0250	--
T3	-	T3.1	--	--	95	--	--	638.84	638.29	0.0058	--
T4	-	T4.1	--	--	14	--	--	642.25	642.17	0.0057	--
T5	-	T5.1	--	--	14	--	--	640.68	640.61	0.0050	--
T6.1	-	T6	--	--	--	--	22	636.50	636.50	0.0000	--
T7	-	EAST	--	--	2	--	--	641.24	641.14	0.0500	--
T7.1	-	T7	--	--	17	--	--	642.41	641.24	0.0688	--
T7.2	-	T7	34	--	--	--	--	642.63	641.24	0.0409	--
T7.3	-	T7.4	--	--	14	--	--	637.93	637.51	0.0300	--
T8.1	-	T8	--	--	83	--	--	639.64	639.50	0.0017	--
T9	-	T9.1	--	--	10	--	--	643.10	643.07	0.0030	--
T9	-	T9.2	--	--	103	--	--	643.07	641.99	0.0105	--
T9	-	T9.4	94	--	--	--	--	643.15	643.07	0.0009	--
T9.3	-	T9	--	155	--	--	--	643.85	643.07	0.0050	--
T9.3X	-	T9.3	--	39	--	--	--	644.44	643.85	0.0151	--
1071-06-83 TOTAL			484	237	366	100	22				--
PROJECT NO: 7190-03-72											
T11.1	-	T11	--	237	--	--	--	662.56	661.37	0.0050	--
7190-03-72 TOTAL			**--**	**237**	**--**	**--**	**--**				
CONSTRUCTION TOTAL			**515**	**474**	**624**	**100**	**22**				**270**

* NON-BID ITEM: FOR INFORMATION ONLY

CATEGORY 0010
UNLESS OTHERWISE
NOTED

CONNECTING TO EXISTING INLETS

STATION	LOCATION	SPV.0060.06 CONNECTING TO EXISTING INLETS EACH
CAT 0010		
PROJECT ID : 1071-06-82		
61+52 RN	MEDIAN	1
56+50 RN	MEDIAN	1
67+20 RN	MEDIAN	1
1071-06-82 TOTAL		3
PROJECT ID : 1071-06-83		
129+19 RN	1.6' RT	1
103+42 FY	53.3' LT	1
103+72 FY	44.7' RT	1
1071-06-83 TOTAL		3
PROJECT ID : 7190-03-72		
140+55 RN	14.0' LT	1
7190-03-72 TOTAL		1
CONSTRUCTION TOTAL		7

ADJUSTING MANHOLE COVERS

STATION	LOCATION	STAGE	611.8110 EACH
CAT 0010			
PROJECT ID : 1071-06-82			
56+17 RN	RT	2	1
12+19 PS	RT	2	1
145+67 WG	RT	2	1
150+78 WG	LT	1	1
10+61 GS	RT	2	1
13+56 GS	LT	1	1
14+16 GS	LT	1	1
1071-06-82 TOTAL			7
PROJECT ID : 1071-06-89			
14+16 G	11.3' LT		1
1071-06-89 TOTAL			1

RECONSTRUCTING MANHOLES

STATION	LOCATION	STAGE	611.0420 EACH
CAT 0010			
PROJECT ID : 1071-06-82			
10+40 CS	RT	2	1
1071-06-82 TOTAL			1
PROJECT ID : 1071-06-89			
150+78 WG	29.3' LT		1
8+41 GS	31.3' LT		1
1071-06-89 TOTAL			2
CONSTRUCTION TOTAL			3

SANITARY MANHOLE MODIFICATIONS

STATION	LOCATION	SPV.0105.54 LS
CAT 0010		
PROJECT ID : 1071-06-89		
148+50 WG	39' LT	1
1071-06-89 TOTAL		1
CONSTRUCTION TOTAL		1

TRENCH INSULATION

STATION	LOCATION	4-INCH SPV.0165.12 SF
CAT 0010		
PROJECT ID : 1071-06-89		
14+70 GS - 14+90 GS	15' LT	80
1071-06-89 TOTAL		80
CONSTRUCTION TOTAL		80

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL ITEMS

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	645.0120 GEOTEXTILE FABRIC TYPE HR SY
CAT 0010													
PROJECT NO: 1071-06-82													
STAGE 2													
52+00 - 59+00 'RN'	USH 53 LT	--	--	400	400	870	1	5	5	--	--	1	--
59+00 - 70+00 'RN'	USH 53 LT	140	--	1,200	1,200	2,767	1	4	4	--	--	--	420
70+00 - 87+00 'RN'	USH 53 RLT	240	--	1,850	1,850	6,396	2	10	10	--	--	--	72
87+00 - 98+00 'RN'	USH 53 LT	70	--	2,171	2,171	--	--	5	4	--	--	1	210
144+00 - 158+00	STH 35	--	--	--	--	--	--	28	27	--	--	1	--
8+00 - 16+00	GEORGE ST	--	--	--	--	--	--	13	8	--	--	1	--
13+50 - 20+00	ACCESS RD	--	--	--	--	--	--	13	11	--	--	--	--
STAGE 2 SUBTOTAL		**450**	**--**	**5,621**	**5,621**	**10,033**	**4**	**78**	**69**	**--**	**--**	**4**	**702**
STAGE 3													
52+00 -59+00 'RS'	USH 53 RT	6	--	--	--	869	1	6	4	20	--	1	18
59+00 - 70+00 'RS'	USH 53 RT	18	--	--	--	2,767	1	14	11	100	--	--	54
70+00 - 87+00 'RS'	USH 53 RT	--	--	--	--	2,046	1	10	10	--	--	--	--
87+00 - 98+00 'RS'	USH 53 RT	--	--	525	525	2,531	1	4	4	--	--	1	--
STAGE 3 SUBTOTAL		**24**	**--**	**525**	**525**	**8,214**	**4**	**34**	**29**	**120**	**--**	**2**	**72**
STAGE 4													
52+00 -59+00 'RS'	USH 53 LT	3	--	--	--	--	--	7	7	--	--	1	12
59+00 - 70+00 'RS'	USH 53 LT	13	--	--	--	--	--	13	11	--	--	--	51
70+00 - 87+00 'RS'	USH 53 LT	--	--	--	--	--	--	18	15	--	--	--	--
87+00 - 98+00 'RS'	USH 53 LT	--	--	500	500	2,171	--	9	9	--	--	1	--
STAGE 4 SUBTOTAL		**16**	**--**	**500**	**500**	**2,171**	**--**	**47**	**42**	**--**	**--**	**2**	**63**
STAGE 5													
STAGE 5 SUBTOTAL		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
UNDISTRIBUTED		**--**	**50**	**54**	**54**	**5,082**	**2**	**9**	**9**	**100**	**10**	**--**	**--**
1071-06-82 TOTAL		**490**	**50**	**6,700**	**6,700**	**25,500**	**10**	**168**	**149**	**220**	**10**	**8**	**837**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL

STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.1104 EROSION BALES EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE FABRIC TYPE R SF	645.0120 GEOTEXTILE FABRIC TYPE HR SF	628.7560 TRACKING PADS EACH
CAT 0010															
PROJECT NO: 1071-06-83															
STAGE 1															
186+40 EW - 187+25 EW	RT	75	--	--	--	--	--	--	--	--	--	--	--	--	--
187+25 EW	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
101+00 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
101+12 RS	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
101+50 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
103+05 RS - 107+00 RS	LT	--	--	--	--	405	405	--	--	--	--	--	--	--	--
103+72 FY	LT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
103+72 FY	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
103+72 FY	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
113+15 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
115+95 RS	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
118+00 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
118+16 RS	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
118+50 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
125+75 RS - 127+90 RS	LT	--	--	--	--	340	340	--	--	--	--	--	--	--	--
197+00 HX - 201+25 HX	LT	--	--	--	--	490	490	--	--	--	--	--	--	--	--
206+50 HX - 207+75 HX	LT	--	--	--	--	130	130	--	--	--	--	--	--	--	--
203+00 GY	RT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
203+00 GY	RT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
204+00 GY - 206+00 GY	RT	585	--	--	--	--	--	--	--	--	--	--	--	--	--
129+19 RS	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
129+50 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
129+00 RS - 133+36 RS	LT	--	--	--	--	655	655	--	--	--	--	--	--	--	--
123+20 RS	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
122+28 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
125+15 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
128+98 RS	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
205+00 HX	LT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
205+50 HX	RT	--	--	--	2	--	--	--	--	--	--	--	--	--	--
205+64 HX	RT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
212+25 GY - 133+36 RS	WETLANDS	--	--	--	--	1,550	1,550	--	--	--	--	--	--	--	--
STAGE 1 SUBTOTAL		**660**	**--**	**--**	**37**	**3,570**	**3,570**	**--**	**6**	**--**	**--**	**--**	**--**	**--**	**--**
STAGE 2															
100+75 FX	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
102+50 FX	LT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
103+36 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
103+36 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
103+35 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
103+37 RN	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
187+14 F	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
187+14 F	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
189+25 F	LT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
107+65 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
107+65 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
190+38 F	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
190+47 F	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
189+42 FA	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
190+90 F	LT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
109+98 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
109+98 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
110+08 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
110+08 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
196+00 F - 109+75 RN	GORE	--	--	--	--	845	845	--	--	--	--	--	--	--	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL

STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.1104 EROSION BALES EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE FABRIC TYPE R SF	645.0120 GEOTEXTILE FABRIC TYPE HR SF	628.7560 TRACKING PADS EACH
CAT 0010															
PROJECT NO: 1071-06-83															
129+04 RN	RT	--	--	--	--	--	--	--	--	--	3	--	10	--	--
197+25 H	LT	--	--	--	--	--	--	--	--	--	3	--	10	--	--
197+38 H	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
112+75 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
114+30 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
114+30 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
114+30 RN	RT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
120+00 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
120+00 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
123+40 RN	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
123+40 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
123+50 RN	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
123+50 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
126+60 RN	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
126+60 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
G RAMP GORE	GORE	--	--	--	--	955	955	--	--	--	--	--	--	--	--
129+30 RN	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
129+30 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
132+30 RN	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
132+30 RN	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
132+30 RN	RT	--	--	--	--	--	--	--	--	--	2	--	7	--	--
140+20 RN	RT	--	--	--	--	--	--	--	--	--	3	--	10	--	--
189+00 F - 203+75 F	RT	--	--	--	--	1,615	1,615	--	--	--	--	--	--	--	--
195+75 F - 198+00 F	LT	200	--	--	--	--	--	--	--	--	--	--	--	--	--
195+75 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
196+00 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
196+25 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
196+50 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
196+75 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
197+00 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
197+25 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
197+50 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
197+75 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
198+00 F	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
200+89 G	LT	--	--	--	5	--	--	--	--	--	--	--	--	--	--
201+00 G - 205+00 G	RT	390	--	--	--	--	--	--	--	--	--	--	--	--	--
201+00 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
201+50 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
202+00 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
202+25 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
202+50 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
202+75 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
203+00 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
203+25 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
203+50 G	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
203+75 G	RT	--	--	5	--	--	--	--	--	--	--	--	--	--	--
204+50 G	RT	--	--	5	--	--	--	--	--	--	--	--	--	--	--
205+00 G	RT	--	--	5	--	--	--	--	--	--	--	--	--	--	--
203+50 GZ	LT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
STAGE 2 SUBTOTAL		**590**	**--**	**205**	**17**	**3,415**	**3,415**	**--**	**33**	**8**	**11**	**--**	**37**	**--**	**--**

CATEGORY 0010
UNLESS OTHERWISE
NOTED

3

EROSION CONTROL

	STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.1104 EROSION BALES EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE FABRIC TYPE R SF	645.0120 GEOTEXTILE FABRIC TYPE HR SF	628.7560 TRACKING PADS EACH
CAT 0010																
STAGE 3																
	189+71 E	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	103+50 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	103+50 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	103+50 RS	LT	--	--	--	--	--	--	--	--	--	6	--	20	--	--
	189+64 E	RT	--	--	--	--	--	--	--	--	--	3	--	10	--	--
	189+64 E	LT	--	--	--	3	--	--	--	--	--	--	--	--	--	--
	107+80 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	107+80 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	109+80 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	109+80 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	109+90 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	109+90 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	105+25 E - 108+50 E	LT	290	--	--	--	--	--	--	--	--	--	--	--	--	--
	186+00 E	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	187+00 E	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	188+00 E	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	188+50 E	LT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	114+45 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	114+45 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	114+45 RS - 116+50 RS	LT	175	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+85 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	118+00 RS - 123+50 RS	LT	--	--	--	--	575	575	--	--	--	--	--	--	--	--
	120+15 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	120+15 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	123+55 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	123+55 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	123+65 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	123+65 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	126+75 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	126+75 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	129+45 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	129+45 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	126+50 RS - 133+00 RS	LT	1,530	--	--	--	--	--	--	--	--	--	--	--	--	--
	132+45 RS	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	132+45 RS	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
STAGE 3 SUBTOTAL			**1,995**	**--**	**40**	**3**	**575**	**575**	**--**	**24**	**24**	**9**	**--**	**30**	**--**	**--**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL

	STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.1104 EROSION BALES EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE FABRIC TYPE R SF	645.0120 GEOTEXTILE FABRIC TYPE HR SF	628.7560 TRACKING PADS EACH
CAT 0010																
PROJECT NO: 1071-06-83																
STAGE 4/5																
	103+36 RS	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	187+14 F	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	190+38 F	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	189+42 FA	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	107+65 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	109+98 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	110+08 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	112+75 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	114+30 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	120+00 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	123+40 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	123+50 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	126+60 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	126+60 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	129+45 RS	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	129+45 RS	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	129+30 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	129+30 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	132+30 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	132+30 RN	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
STAGE 4/5 SUBTOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**20**	**--**	**--**	**--**	**--**	**--**
UNDISTRIBUTED			**795**	**--**	**60**	**23**	**1,765**	**1,765**	**--**	**--**	**--**	**3**	**--**	**9**	**--**	**2**
1071-06-83 CATEGORY 0010 TOTAL			**4,040**	**--**	**305**	**80**	**9,325**	**9,325**	**--**	**63**	**52**	**23**	**--**	**76**	**--**	**2**
CAT 0040	EAGLE VIEWING AREA		--	--	--	--	1,700	1,700	--	2	1	--	--	--	--	--
UNDISTRIBUTED			**--**	**--**	**--**	**--**	**425**	**425**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
1071-06-83 CATEGORY 0040 TOTAL			**--**	**--**	**--**	**--**	**2,125**	**2,125**	**--**	**2**	**1**	**--**	**--**	**--**	**--**	**--**
1071-06-83 TOTAL			**4,040**	**--**	**305**	**80**	**11,450**	**11,450**	**--**	**65**	**53**	**23**	**--**	**76**	**--**	**2**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL

	STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.1104 EROSION BALES EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE FABRIC TYPE R SF	645.0120 GEOTEXTILE FABRIC TYPE HR SF	628.7560 TRACKING PADS EACH
CAT 0010																
PROJECT NO: 7190-03-72																
STAGE 1																
	134+75 RY	RT	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	133+36 RS - 135+86 RS	LT	--	--	--	--	150	150	--	--	--	--	--	--	--	--
	133+36 RS - 135+50 RS	RT	--	--	--	--	214	214	--	--	--	--	--	--	--	--
STAGE 1 SUBTOTAL			**--**	**--**	**--**	**--**	**364**	**364**	**--**	**1**	**--**	**--**	**--**	**--**	**--**	**--**
STAGE 2																
	135+00 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	140+20 RN	LT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	140+20 RN	RT	--	--	--	--	--	--	--	1	1	--	--	--	--	--
	139+30 RN - 142+30 RN	RT	265	--	--	--	--	--	--	--	--	--	--	--	--	--
	139+50 RN	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	140+00 RN	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	140+50 RN	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	141+00 RN	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	142+00 RN	RT	--	--	10	--	--	--	--	--	--	--	--	--	--	--
	142+30 RN	RT	--	--	--	--	--	--	--	--	--	3	--	10	--	--
STAGE 2 SUBTOTAL			**265**	**--**	**50**	**--**	**--**	**--**	**--**	**3**	**3**	**3**	**--**	**10**	**--**	**--**
STAGE 3																
	135+55 RS	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	145+15 RS	RT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
	145+10 RN	LT	--	--	--	--	--	--	--	--	1	--	--	--	--	--
STAGE 3 SUBTOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**3**	**--**	**--**	**--**	**--**	**--**
STAGE 4/5																
			--	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 4/5 SUBTOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
UNDISTRIBUTED			**65**	**--**	**10**	**--**	**91**	**91**	**--**	**--**	**--**	**1**	**--**	**3**	**--**	**2**
7190-03-72 TOTAL			**330**	**--**	**60**	**--**	**455**	**455**	**--**	**4**	**6**	**4**	**--**	**13**	**--**	**2**
CONSTRUCTION TOTAL			**29,870**	**50**	**585**	**90**	**18,605**	**18,605**	**10**	**237**	**208**	**27**	**490**	**89**	**837**	**12**

CATEGORY 0010 UNLESS OTHERWISE NOTED

MOBILIZATION EROSION CONTROL

STATION	LOCATION	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
PROJECT NO: 1071-06-82			
	ENTIRE PROJECT	15	8
1071-06-82 TOTAL		**15**	**8**
PROJECT NO: 1071-06-83			
	ENTIRE PROJECT	15	8
1071-06-83 TOTAL		**15**	**8**
PROJECT NO: 7190-03-72			
	ENTIRE PROJECT	15	8
7190-03-72 TOTAL		**15**	**8**
CONSTRUCTION TOTAL		**45**	**24**

MARKERS CULVERT END

STATION	LOCATION	633.5200 EACH
PROJECT NO: 1071-06-82		
56+40 RS	LT	1
56+60 RN	RT	1
57+60 RN	RT	1
59+26 RS	LT	1
59+70 RN	RT	1
61+42 RN	RT	1
61+37 RS	LT	1
63+50 RN	RT	1
63+40 RS	LT	1
67+20 RN	RT	1
67+20 RS	LT	1
68+80 RN	RT	1
70+20 RS	LT	1
72+00 RS	LT	1
75+00 RS	LT	1
80+55 RS	LT	1
86+00 RS	LT	1
92+32 RS	LT	1
97+75 RS	LT	1
1071-06-82 TOTAL		**19**
PROJECT NO: 1071-06-83		
187+14 F	F RAMP RT	1
102+60 RN	RN LINE RT	1
103+50 RS	RS LINE LT	1
189+63 E	E RAMP LT	1
190+90 F	F RAMP LT	1
107+65 RN	RN LINE RT	1
114+30 RN	RN LINE RT	1
120+00 RN	RN LINE RT	1
123+40 RN	RN LINE RT	1
126+60 RN	RN LINE RT	1
129+04 RN	RN LINE RT	1
1071-06-83 TOTAL		**11**
PROJECT NO: 7190-03-72		
140+39 RN	RN LINE RT	1
7190-03-72 TOTAL		**1**
CONSTRUCTION TOTAL		**31**

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	* 634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	* 634.0620 20-FT EACH	634.0622 22-FT EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																					
PROJECT NO: 1071-06-82																					
1-1		NORTH 35	96"X114"	76.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-50
1-2		WEST 90	96"X114"	76.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-50
1-3		EAST 90/NORTH 53	168"X114"	133.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-50
1-4		90/53 MADISON/MINNESOTA		--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--		
1-5		53 NORTH		--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--		
2-1		D15-1	48"X90"	30.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-52
2-2		D15-1	48"X90"	30.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-52
2-3		D15-1	48"X90"	30.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-52
2-4		D15-1	48"X90"	30.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-52
2-5		R3-5L	42"X48"	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-66
2-6		R3-5R	42"X48"	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-66
2-7		R3-5R	42"X48"	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-66
2-8		D1-66	96"X96"	64.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2-9		WEST 90	132"X108"	99.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2-10		EAST 90/NORTH 53	168"X108"	126.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2-21		R3-5L	42"X48"	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-68
2-22		35 SOUTH GEORGE ST		--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--		
2-23		53 SOUTH ROSE ST		--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--		
2-25		HISTORIC DOWNTOWN		--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--		
8-1	R6-3	DIVIDIED HIGHWAY	30X24	--	5.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	8-2	
8-2	R1-1	STOP	36X36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-1	MOUNT WITH SIGN 8-1
8-3		DIVIDED HGHWAY AND STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-4		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-5	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-6		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-7	R6-2-R	ONE WAY	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-8		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-9	R6-1L	ONE WAY	36X12	--	3.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-10	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
8-11	R5-1A	WRONG WAY	42X30	--	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-12	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-13		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-14		ADOPT A HIGHWAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-15	R5-1A	WRONG WAY	42X30	--	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-16		ROUTE SIGN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-17		DO NOT ENTER	--	--	6.25	--	--	--	--		--	--	--	--	--	--	1	1	--		
8-18		SPEED LIMIT AHEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-19	W11-2	PEDESTRIAN	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	8-20	
8-20	W16-9P	AHEAD	30X18	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	8-19	MOUNT WITH SIGN 8-19

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SIGNS AND SUPPORTS

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	* 634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	* 634.0620 20-FT EACH	634.0622 22-FT EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																					
8-21	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
8-22	W16-7L	DOWN / LEFT ARROW	30X18	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	8-23	
8-23	W11-2	PEDESTRIAN	36X36	--	9.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	8-22	MOUNT WITH SIGN 8-22
8-24	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-25		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-26		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-27	R6-2-L	ONE WAY	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-28	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-29	R1-1	STOP	36X36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-30	MOUNT WITH SIGN 8-30
8-30	R6-3	DIVIDIED HIGHWAY	30X24	--	5.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	8-29	MOUNT WITH SIGN 8-29
8-31		DIVIDED HIGHWAY AND STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-32	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-33	W16-7L	DOWN / LEFT ARROW	30X18	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	8-48	MOUNT WITH SIGN 8-48
8-34		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-35		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-36	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	1	1	--		
8-37		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-38	W3-3	SIGNAL	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--		
8-39	W3-3	SIGNAL	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--		
8-40	W11-2	PEDESTRIAN	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	8-41	
8-41	W16-9P	AHEAD	30X18		--	--	--	3.75	--	--	--	--					--	--	--	8-40	MOUNT WITH SIGN 8-40
8-42		SIGNAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
8-43		SIGNAL	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
8-44	JV-1	J1 ASSEMBLY	24X60	--	10.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
8-45	R5-1A		42X30	--	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
8-46	J4-2	J ASSEMBLY	48X36	--	12.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
8-47	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
8-48	W11-2	PEDESTRIAN	36X36	--	--	--	--	9.00	--	--	1	--	--	--			--	--	--	8-33	MOUNT WITH SIGN 8-33
8-49	W11-2	PEDESTRIAN	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	8-50	
8-50	W16-7R	DOWN / RIGHT ARROW	30X18	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	8-49	MOUN TWITH SIGN 8-49
8-51	W11-2	PEDESTRIAN	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	8-52	
8-52	W16-7R	DOWN / RIGHT ARROW	30X18	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	8-51	MOUNT WITH SIGN 8-51

CATEGORY 0010
UNLESS OTHERWISE
NOTED

SIGNS AND SUPPORTS, CONTINUED

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X6-INCH 634.0612 12-FT EACH	* 634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	* 634.0620 20-FT EACH	634.0622 22-FT EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
9-1		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-2		STOP / NO LEFT TURN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-3		NO U-TURN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-4		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-5		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-6	R-1F	STOP	36X36	--	--	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-7	R-1F	STOP	36X36	--	--	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-8	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-9		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-10		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-11	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-12	R6-2-L	ONE WAY	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-13		HOSPITAL / ARROW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-14		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-15		STOP / DIVIDED HIGHWAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-16		DOUBLE DOWN ARROW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-17	W12-1D	DOUBLE DOWN ARROW	24X24	--	--	--	--	4.00	--	--	1	--	--	--	--	--	--	--	--		
9-18		STOP	24X36	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-19		STOP	24X12	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-20		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-21	R1-1F	STOP	36X36	--	--	7.46	--	--	--	--	--	1	--	--	--	--	--	--	--	9-22	MOUNT WITH SIGN 9-25
9-22	R6-3	DIVIDED HIGHWAY	30X24	--	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9-21	MOUNT WITH SIGN 9-21
9-23	R6-2-R	ONE WAY	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-24		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-25		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-26	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-27		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-28		J1 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-29		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-30		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-31		J2-3 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--		
9-32	J1-2	J1 ASSEMBLY	24X39	--	6.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-33		SIGNAL AHEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-34		SIGNAL AHEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-35	JU-1	J ASSEMBLY	24X60	--	10.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-36		AMERICAS BYWAYS	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
9-37		J1-2 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-38	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-39	R5-1A	WRONG WAY	30X42	--	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-40		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-41		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
9-42	R1-1F	STOP	30X30	--	--	5.17	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-43	R1-1F	STOP	30X30	--	--	5.17	--	--	--	--	1	--	--	--	--	--	--	--	--		
9-44		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-45	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	--	--	--	--	--	--	--	1	--	--		
9-46	R1-2	YIELD	36X31	--	3.88	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-47		BEGIN LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
9-48	R-3-8-F	LEFT/RIGHT TURN	36X30	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
9-49	J3-2	J3 ASSEMBLY	48X57	--	19.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--		

CATEGORY 0010
UNLESS OTHERWISE NOTED

3

SIGNS AND SUPPORTS, CONTINUED

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 * SIGNS TYPE I REFLECTIVE SH SF	637.2210 * SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 * SIGNS TYPE II REFLECTIVE SH SF	637.2230 * SIGNS TYPE II REFLECTIVE F SF	634.0612 * POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 * POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 * POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 * POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 * POSTS WOOD 4X6-INCH 20-FT EACH	634.0622 * POSTS WOOD 4X6-INCH 22-FT EACH	638.2102 * MOVING SIGNS TYPE II EACH	638.2601 * REMOVING SIGNS TYPE I EACH	638.2602 * REMOVING SIGNS TYPE II EACH	638.3000 * REMOVING SMALL SIGN SUPPORTS EACH	638.4000 * MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
10-1	R6-3	DIVIDED HIGHWAY	30X24	--	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10-33A	MOUNT WITH 10-33A
10-2	R6-3	DIVIDED HIGHWAY	30X24	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-3		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-4		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-5	J4-2	J4 ASSEMBLY	48X36	--	12.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-6		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-7		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-8		MERGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-9		SPEED LIMIT	24X30	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--		
10-10	R3-4	NO U-TURN	24X24	--	4.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	10-11	
10-11	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10-10	MOUNT WITH 10-10
10-12		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-13		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-14	R1-F	STOP	36X36	--	--	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-15	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-16		J3 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-17		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-18		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-19		DOWN ARROWS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-20		MEDIAN / NO U-TURN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-21		J3 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-22		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-23	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-24	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-25	W12-1D	DOWN ARROWS	24X24	--	--	--	--	4.00	--	--	1	--	--	--	--	--	--	--	--		
10-26		DOWN ARROWS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-27	R1-1F	STOP	36X36	--	--	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-28		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-29		NO TURNS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-30		J3 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	3	--		
10-31		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-32	R5-1	DO NOT ENTER	36X36	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-33	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-33A	R1-1F	STOP	36X30	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--	10-1	MOUNT WITH 10-1
10-34	R4-7	MEDIAN	24X30	--	2.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-35	R3-4	NO U-TURN	24X24	--	4.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		

CATEGORY 0010
UNLESS OTHERWISE
NOTED

3

SIGNS AND SUPPORTS, CONTINUED

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 * SIGNS TYPE I REFLECTIVE SH SF	637.2210 * SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 * POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 * POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 * POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 * POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 * POSTS WOOD 4X6-INCH 20-FT EACH	634.0622 * POSTS WOOD 4X6-INCH 22-FT EACH	638.2102 * MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 * MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
10-36	J4-2	J4 ASSEMBLY	48X36	--	12.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-37		DO NOT ENTER	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-38	R2-1	SPEED LIMIT	30X36	--	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-39	J3-1	J3 ASSEMBLY	24X57	--	9.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
10-40		ARROW BOARD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-41		WRONG WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-42		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-43		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-44		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-45		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-46		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-47		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-48		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-49		HOSPITAL AND ARROW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-50		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-51		J2 ASSEMBLY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-52		STOP	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
10-53		NO PARKING	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
10-54		ONE WAY	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
10-55	R3-7-S	2 LEFTS MUST TURN LEFT	48X30	--	10.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-56	R3-8 WW	R3-8GGG	72X30	--	15.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-57		SIGNAL AHEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-58		14'10" HEIGHT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-59		14'10" HEIGHT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-60	J2-3	J2 ASSEMBLY	72X30	--	15.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
10-61		SPEED LIMIT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-62		NO PARKING	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-63		LEFT TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--			1	1	--		
10-64	R3-7L	LEFT LANE MUST TRUN LEFT	30X30	--	6.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--		MOUNTED ON SIGN STRUCTURE S-32-68
10-65		SIGNAL AHEAD	42X48	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		MOUNTED ON SIGN STRUCTURE S-32-68
10-66		SIGNAL AHEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-67	R1-1F	STOP	30X30	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--	10-23	
10-68	R1-1F	STOP		--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
10-69	JV4-1	J ASSEMBLY	24X60	--	10.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--		

CATEGORY 0010
UNLESS OTHERWISE
NOTED

3

SIGNS AND SUPPORTS, CONTINUED

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	* 634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	* 634.0620 20-FT EACH	634.0622 22-FT EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
11-1	W3-3	SIGNAL AHEAD	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--		
11-2	R4-7	MEDIAN	30X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-3	J3-1	J3 ASSEMBLY	24X57	--	9.50	--	--	--	--	--	--	1	--	--	--	--	--	--	--		
11-4		NORTH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-5	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-6	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-7	R1-2	YIELD	36X31	--	3.88	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-8	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-9	J1-2	J1 ASSEMBLY	48X39	--	13.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
11-10	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-11	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-12		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-13	J2-3	J2 ASSEMBLY	72X57	--	28.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--		
11-14		SOUTH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-15	J3-2	J3 ASSEMBLY	48X57	--	19.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--		
11-16		NORTH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-17	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-18		STOP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-19	M1-6	J4 ASSEMBLY	24X24	--	4.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-20	R1-2	YIELD	36X31	--	3.88	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-21		MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--		
11-22	R4-7	MEDIAN	24X30	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-23	W9-2L	LANE ENDS MERGE LEFT	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--		
11-24	W4-2R	MERGE	36X36	--	--	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--		
11-25	R1-1	STOP	30X30	--	5.17	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-26	W14-2	NO OUTLET	30X30	--	--	--	--	6.25	--	1	--	--	--	--	--	--	1	1	--		
11-27	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		MOUNT ON SIGNAL OR PUSH BUTTON PEDESTAL
11-28	W5-56	END OF ROAD MARKER	18X18	--	--	--	2.25	--	--	1	--	--	--	--	--	--	--	--	--		
11-29	W5-56	END OF ROAD MARKER	18X18	--	--	--	2.25	--	--	1	--	--	--	--	--	--	--	--	--		
11-30	J3-3	J3 ASSEMBLY	72X57	--	28.50	--	--	--	--	--	--	1	--	--	--	--	--	--	--		
11-31	R2-1	SPEED LIMIT	24X30	--	5.00	--	--	--	--	--	1	--	--	--	--	--	1	1	--		
11-32	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-33	R1-1F	STOP	36X36	--	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--		
11-34	R6-2-R	ONE WAY	24X30	--	5.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	11-35	MOUNT WITH 11-35
11-35	R3-2	NO LEFT TURN	24X24	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11-34	MOUNT WITH 11-34
11-36		STOP		--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--		MOVE FROM EX LIGHT POLE TO NEW WOOD POST
11-37		2 HR PARKING		--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1		
11-38		NO PARKING		--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1		
11-39		NO PARKING		--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1		MOUNT ON SIGNAL OR PUSH BUTTON PEDESTAL
11-40		NO PARKING		--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1		
		1071-06-82 TOTAL		**750.00**	**560.22**	**137.16**	**4.50**	**126.75**	**--**	**46**	**44**	**6**	**--**	**--**	**5**	**5**	**101**	**99**	**4**		

CATEGORY 0010
UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	SIZE	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4x6x12 EACH	* 634.0614 4x6x14 EACH	634.0616 4x6x16 EACH	634.0618 4x6x18 EACH	* 634.0620 4x6x20 EACH	634.0622 4x6x22 EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS* EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																						
PROJECT NO: 1071-06-83																						
2-11	USH 53		384" X 132"	352.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	S-32-51
2-12	USH 53	D1-70	78" X 36"	19.50	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--		
2-13	USH 53	D1-70	78" X 36"	19.50	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--		
2-14	USH 53		144" X 108"	108.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-65
2-15	RAMP E	R3-6L	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-53
2-16	RAMP E	R3-5R	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-53
2-17	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-18
2-18	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-18
2-19	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	--	--		
2-20	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	3	--	--		
2-21	USH 53	R3-5L	42" X 28"	--	14.00	--	--	--	--	--	--	--	--	--		--	--	--	--	--		S-32-68
3-1	USH 53		168" X 108"	126.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-54
3-2	USH 53		96" X 108"	72.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-54
3-3	USH 53		72" X 30"	15.00	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--		
3-4	USH 53		72" X 30"	15.00	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--		
3-5	USH 53		168" X 108"	126.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-56
3-6	USH 53	E3-1	144" X 84"	84.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-56
3-7	RAMP G	R3-5L	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-55
3-8	RAMP G	R3-5L	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-55
3-9	RAMP G	R3-6L	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-55
3-10	RAMP G	R3-5R	42" X 48"	--	14.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		S-32-55
3-11	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-19
3-12	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-20
3-13	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-20
3-14	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	3	--	--		
3-15	USH 53			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		S-32-21
4-1	IH 90	E3-1	192" X 144"	192.00	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		MOUNT ON EXISTING SUPPORTS
4-2	IH 90	E3-1	144" X 120"	120.00	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		MOUNT ON EXISTING SUPPORTS
4-3	IH 90	E3-1	132" X 108"	99.00	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		MOUNT ON EXISTING SUPPORTS
5-1	IH 90	E5-1A	72" X 60"	30.00	--	--	--	--	--	--	--	2	--	--	--	1	--	2	--	--		
5-2	IH 90	W12-50	144" X 48"	--	--	--	--	--	--	--	--	--	--	--	--	1	--	3	--	--		REMAINS UNTIL EXIT PERMANENTLY CLOSED
5-3	IH 90			--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	2		
5-4	IH 90	E5-1B	72" X 60"	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	--	--		
6-1	IH 90	W5-2R	12" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
6-2	IH 90	W4-1	48" X 48"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--	--		
6-3	IH 90	W13-2		--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
7-1	IH 90			--	--	--	--	--	--	--	--	--	--	--	--	1	--	3	--	--		
14-1	USH 53 NB	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
14-2	USH 53 NB	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
14-3	USH 53 NB	W12-1D	24" X 24"	--	--	--	--	4.00	--	1	--	--	--	--	--	--	--	--	--	--		

CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	SIZE	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4x6x12 EACH	* 634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	* 634.0620 POSTS WOOD 4x6x20 EACH	634.0622 POSTS WOOD 4x6x22 EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS* EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																						
PROJECT NO: 1071-06-83																						
14-14	USH 53 NB	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
14-20	USH 53 NB	R1-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
14-39	USH 53 SB	R5-1A	36" X 24"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
14-40	USH 53 SB	J2-2	48" X 51"	--	--	--	--	--	--	--	--	--	--	--	--	--	6	2	--	--		REMOVING DIRECTIONAL ASSEMBLY
14-41	USH 53 SB	J2-2	48" X 51"	--	--	--	--	--	--	--	--	--	--	--	--	--	6	2	--	--		REMOVING DIRECTIONAL ASSEMBLY
14-42	USH 53 SB	R3-4	24" X 24"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
14-44	USH 53 SB	W4-1	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
14-45	USH 53 SB	JV-1	24" X 60"	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-45	SOUTH
		M1-96	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-45	GREAT RIVER ROAD
		D6-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-45	AMERICA'S BYWAYS
14-46	USH 53 NB	J2-1	24" X 57"	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-4	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-46	WEST
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-46	INTERSTATE 90
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-46	DIRECTIONAL - LEFT
14-47	USH 53 NB	J2-1	24" X 57"	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-4	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-47	WEST
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-47	INTERSTATE 90
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-47	DIRECTIONAL - LEFT
14-48	USH 53 NB	I5-1	24" X 24"	--	4.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--		AIRPORT SYMBOL
14-49	USH 53 NB	MK6-1	21" X 21"	--	3.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-48	DIRECTIONAL - LEFT
14-50	EXISTING RAMP	W1-6	48" X 24"	--	8.00	--	--	--	--	1	1	--			--	--	--	--	--	--		
14-51	USH 53 SB	J4-3	72" X 36"	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	SOUTH
		M1-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	USH 53
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	SOUTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	STH 35
		M4-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	ALTERNATE
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-51	INTERSTATE 90
14-52	RAMP F	W11-2	36" X 36"	--	--	--	--	9.00	--	--	--	1	--	--	--	--	--	--	--	--		
14-53	RAMP F	W16-7L	30" X 18"	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	--	14-52	
14-54	RAMP F	W11-2	36" X 36"	--	--	--	--	9.00	--	--	--	1	--	--	--	--	--	--	--	--		
14-55	RAMP F	W16-7R	30" X 18"	--	--	--	--	3.75	--	--	--	--	--	--	--	--	--	--	--	--	14-54	
15-1	USH 53 NB	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-2	USH 53 SB	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-3	USH 53 NB	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-4	RAMP G	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-5	RAMP G	R5-1	36" X 36"	--	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-6	RAMP G	W12-1D	36" X 36"	--	--	--	--	9.00	1	--	--	--	--	--	--	--	--	--	--	--		
15-7	USH 53 NB	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-8	USH 53 SB	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-9	RAMP H	W13-3	24" X 30"	--	--	--	--	5.00	--	1	--	--	--	--	--	--	--	--	--	--		
15-10	RAMP G	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-11	RAMP G	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
15-12	RAMP G	R5-1A	36" X 24"	--	6.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		

CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	SIZE	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH	637.2230 SIGNS TYPE II REFLECTIVE F SF	* 634.0612 POSTS WOOD 4x6x12 EACH	634.0614 4x6x14 EACH	634.0616 4x6x16 EACH	* 634.0618 4x6x18 EACH	634.0620 4x6x20 EACH	634.0622 4x6x22 EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS* EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																						
PROJECT NO: 1071-06-83																						
15-13	RAMP G	R5-1A	36" X 24"	--	6.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-14	RAMP G	J2-3	72" X 51"	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--		DIRECTIONAL ASSEMBLY
	RAMP G	M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	SOUTH
	RAMP G	M1-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	USH 53
	RAMP G	M6-1	24" X 15"	--	2.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	DIRECTIONAL - LEFT
	RAMP G	M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	SOUTH
	RAMP G	M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	STH 35
	RAMP G	M6-1	24" X 15"	--	2.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	DIRECTIONAL - LEFT
	RAMP G	M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	NORTH
	RAMP G	M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	STH 35
	RAMP G	M6-1	24" X 15"	--	2.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-14	DIRECTIONAL - RIGHT
15-16	RAMP G	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
15-18	USH 53 NB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-19	USH 53 NB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-20	USH 53 NB	R2-1	30" X 36"	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-21	USH 53 NB	W4-1	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--	--		
15-22	EXISTING RAMP	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-24	USH 53 SB	W4-1	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-25	USH 53 SB	R2-1	30" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-26	USH 53 SB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-27	USH 53 SB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-28	USH 53 SB	R2-1	30" X 36"	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-29	USH 53 SB	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
15-30	USH 53 SB	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
15-31	USH 53 SB	W13-3	24" X 30"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-32	USH 53 SB	R6-2R	30" X 36"	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-33	USH 53 NB	W13-3	24" X 30"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-34	USH 53 SB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-35	USH 53 SB	W12-2	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
15-38	USH 53 SB	E5-1	72" X 60"	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	--	--		
15-39	USH 53 SB	R5-57	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--		
15-40	USH 53 SB	D1-1	72" X 15"	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	2	--		GEORGE ST
15-41	USH 53 SB	R6-2R	30" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--		
15-42	USH 53 SB	E5-1	72" X 60"	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	2	--		
15-45	USH 53 NB	R5-1A	42" X 30"	--	8.75	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--		
15-46	USH 53 NB	R5-1	36" X 36"	--	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-3	SIGNAL POLE
15-47	RAMP G	R5-1	36" X 36"	--	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-4	SIGNAL POLE
15-48	RAMP G	D1-3	102" X 60"	--	42.50	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--		AMTRAK, HISTORIC DOWNTOWN, GRST
15-49	RAMP G	D1-2	72" X 30"	--	15.00	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--		LA CROSSE, ONALSKA
15-50	RAMP G	J2-4	96" X 57"	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--		DIRECTIONAL ASSEMBLY
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	SOUTH
		M1-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	USH 53
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	DIRECTIONAL - LEFT
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	SOUTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	STH 35

CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	SIZE	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH	637.2230 SIGNS TYPE II REFLECTIVE F SF	* 634.0612 POSTS WOOD 4x6x12 EACH	634.0614 4x6x14 EACH	634.0616 4x6x16 EACH	* 634.0618 4x6x18 EACH	634.0620 4x6x20 EACH	634.0622 4x6x22 EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS* EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																						
PROJECT NO: 1071-06-83																						
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	DIRECTIONAL - LEFT
		M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	NORTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	STH 35
		M5-1-R	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	DIRECTIONAL - RIGHT
		M4-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	ALTERNATE
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	INTERSTATE 90
		M5-1-R	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-50	DIRECTIONAL - RIGHT
15-51	USH 53 NB	J4-2	48" X 36"	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-51	NORTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-51	STH 35
		M4-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-51	ALTERNATE
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-51	INTERSTATE 90
15-52	USH 53 NB	JV-1	24" X 60"	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--		ROUTE MARKER ASSEMBLY
		M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-52	NORTH
		M1-96	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-52	GREAT RIVER ROAD
		D6-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-52	AMERICA'S BYWAYS
15-53	RAMP H	R5-57	36" X 36"	--	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-54	RAMP H	W1-8	18" X 24"	--	3.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-55	RAMP H	W1-8	18" X 24"	--	3.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-56	RAMP H	W1-8	18" X 24"	--	3.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
15-57	RAMP H	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
15-58	USH 53 SB	I5-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
15-59	USH 53 SB	MK6-1	21" X 21"	--	3.06	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	15-58	
16-1	GEORGE STREET	R1-1	36" X 36"	--	7.46	--	--	--	1	--	--	--	--	--	--	--	1	1	--	--		
16-2	GEORGE STREET	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
16-3	GEORGE STREET	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
16-4	USH 53 NB	R4-7	24" X 30"	--	5.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
16-5	USH 53 SB	R5-1	36" X 36"	--	9.00	--	--	--	--	1	--	--	--	--	--	--	1	1	--	--		
16-6	USH 53 SB	R3-2	24" X 24"	--	4.00	--	--	--	--	1	--	--	--	--	--	--	1	1	--	--	16-6	
16-7	USH 53 SB	R5-1A	42" X 30"	--	8.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
16-8	USH 53 NB	W5-52R	12" X 36"	--	--	--	--	3.00	1	--	--	--	--	--	--	--	1	1	--	--		
16-9	USH 53 NB	W5-52L	12" X 36"	--	--	--	--	3.00	1	--	--	--	--	--	--	--	1	1	--	--		
16-11	USH 53 NB	J4-2	48" X 36"	--	--	--	--	--	--	--	--	2	--	--	--	--	1	2	--	--		ROUTE MARKER ASSEMBLY
	USH 53 NB	M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-11	NORTH
	USH 53 NB	M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-11	STH 35
	USH 53 NB	M4-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-11	ALTERNATE
	USH 53 NB	M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-11	INTERSTATE 90
16-15	USH 53 NB	I2-3	66" X 24"	--	11.00	--	--	--	--	1	--	--	--	--	--	--	1	1	--	--		LA CROSSE
16-18	USH 53 NB	D1-1	72" X 15"	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		GEORGE STREET
16-19	USH 53 NB	R2-1	30" X 36"	--	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--		
16-20	GEORGE STREET	R6-1R	36" X 12"	--	3.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-1	
16-21	USH 53 NB	R3-2	24" X 24"	--	4.00	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--		
17-8	RAMP E	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
17-9	RAMP E	W12-1D	24" X 24"	--	--	--	--	4.00	1	--	--	--	--	--	--	--	--	--	--	--		
17-10	RAMP E	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	

CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	SIZE	637.1220 SIGNS TYPE I REFLECTIVE SH SF	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2220 SIGNS TYPE II REFLECTIVE SH	637.2230 SIGNS TYPE II REFLECTIVE F SF	* 634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	* 634.0618 POSTS WOOD 4x6x18 EACH	634.0620 POSTS WOOD 4x6x20 EACH	634.0622 POSTS WOOD 4x6x22 EACH	* 638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS* EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	COMMENTS
CAT 0010																						
PROJECT NO: 1071-06-83																						
17-11	RAMP E	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
17-12	RAMP E	R5-1	30" X 30"	--	6.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
17-17	EXISTING RAMP	W13-3	24" X 30"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--	--		
17-18	EXISTING RAMP	W4-1	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
17-19	RAMP F	R5-57	36" X 36"	--	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
17-23	RAMP E	R5-1A	36" X 24"	--	6.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		ON SIGN STRUCTURE S-32-53
17-24	RAMP E	R5-1A	36" X 24"	--	6.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		ON SIGN STRUCTURE S-32-53
17-25	RAMP E	W3-3	36" X 36"	--	--	--	--	9.00	--	1	--	--	--	--	--	--	--	--	--	--		
17-36	RAMP E	R6-3	30" X 24"	--	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
17-37	RAMP E	R6-3	30" X 24"	--	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
17-38	RAMP F	E5-1	72" X 60"	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	--	--		
17-43	RAMP F	R5-57	36" X 36"	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--		
17-45	RAMP E	J3-4	96" X 57"	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--		DIRECTIONAL ASSEMBLY
		M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	NORTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	STH 35
		M6-1	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	DIRECTIONAL - LEFT
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	SOUTH
		M1-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	USH 53
		M6-1	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	DIRECTIONAL - RIGHT
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	SOUTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	STH 35
		M6-1	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	DIRECTIONAL - RIGHT
		D9-2	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	HOSPITAL SYMBOL
		M6-1	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-45	DIRECTIONAL - RIGHT
17-46	RAMP E	D1-3	102" X 60"	--	42.50	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--		GRST, AMTRAK, HISTORIC DOWNTOWN
17-47	RAMP E	D1-3	60" X 42"	--	17.50	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--		ONALASKA, LA CROSSE, TOURIST INFO
17-48	RAMP E	J2-4	96" X 57"	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--		DIRECTIONAL ASSEMBLY
		M3-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	NORTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	STH 35
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	DIRECTIONAL - LEFT
		M4-1	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	ALTERNATE
		M1-1	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	INTERSTATE 90
		M5-1-L	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	DIRECTIONAL - LEFT
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	SOUTH
		M1-4	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	USH 53
		M5-1-R	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	DIRECTIONAL - RIGHT
		M3-3	24" X 12"	--	2.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	SOUTH
		M1-5	24" X 24"	--	4.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	STH 35
		M5-1-R	24" X 21"	--	3.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-48	DIRECTIONAL - RIGHT
17-49	RAMP F	R1-1F	36" X 36"	--	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SIGNAL POLE	
1071-06-83 TOTAL				**1378.00**	**693.84**	**96.98**	**0.00**	**107.50**	**6**	**42**	**17**	**11**	**5**	**1**	**2**	**21**	**43**	**59**	**4**	**2**		
CONSTRUCTION TOTAL				**2128.00**	**1254.05**	**234.14**	**4.50**	**234.25**	**6**	**88**	**61**	**17**	**5**	**1**	**7**	**26**	**144**	**158**	**9**	**6**		

***ADDITIONAL QUANTITIES LOCATED ELSEWHERE**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TYPE I SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	STEEL POST TYPE	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.1000 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	SIGN MOUNTED ON SAME POSTS AS	COMMENTS
PROJECT NO: 1071-06-82								
2-9	USH 53		A	600	1.2	68		
2-10	USH 53		B	900	1.6	98		
PROJECT ID 1071-06-82 SUMMARY				**1,500**	**2.8**	**166**		
CONSTRUCTION TOTAL				**1,500**	**2.8**	**166**		

ERECTING STATE OWNED SIGNS

		STATION	SIGN NUMBER	638.3620 TYPE II EACH	* 634.0620 POSTS WOOD 4 X 6-INCH 20-FT EACH
CAT 0010					
PROJECT NO: 1071-06-83					
	**	FLYOVER RAMP	100	1	2
	**	120+75 RS	101	1	2
	**	120+75 RS	102	1	2
1071-06-83 TOTAL				**3**	**6**
CONSTRUCTION TOTAL				**3**	**6**

**** CONTACT IVER PETERSON 608-785-9060 TO ARRRANGE PICK UP**

MOVING SIGNS

	EXISTING STATION	LOCATION	NEW STATION	LOCATION	SIGN NUMBER	* 638.2102 SIGNS TYPE II EACH	* 638.4000 SMALL SIGN SUPPORTS EACH
CAT 0010							
PROJECT NO: 1071-06-82							
STAGE 1							
	69+23 RS	LT	69+23 RS	LT	50	1	1
	69+60 RS	LT	69+60 RS	LT	51	1	1
	86+80 RS	LT	86+80 RS	LT	52	1	1
	97+97 RS	LT	97+97 RS	LT	53	1	1
	148+40 WG	LT	148+40 WG	LT	54	1	1
	156+51 WG	LT	156+51 WG	LT	55	1	1
STAGE 1 SUBTOTAL						**6**	**6**
STAGE 2							
	54+53 RN	RT	54+53 RN	LT	56	1	1
	54+53 RN	RT	54+53 RN	LT	57	1	1
	57+29 RN	RT	57+29 RN	LT	58	1	1
	61+71 RN	RT	61+71 RN	LT	59	1	1
	63+70 RN	LT	63+70 RN	LT	60	1	1
	72+15 RN	RT	72+15 RN	LT	61	1	1
	72+15 RN	RT	72+15 RN	LT	62	1	1
	75+57 RN	RT	75+57 RN	LT	63	1	2
	77+88 RN	LT	77+88 RN	LT	64	1	1
	86+45 RN	RT	86+00 RN	LT	65	1	1
	92+27 RN	RT	92+27 RN	LT	66	1	1
	92+27 RN	LT	91+00 RN	LT	66	1	1
	150+99 WG	RT	150+99 WG	LT	67	1	1
	155+61 WG	RT	155+61 WG	RT	68	1	1
STAGE 2 SUBTOTAL						**14**	**15**
STAGE 3							
	59+25 RS	LT	59+25 RS	RT	69	1	1
	69+23 RS	LT	69+23 RS	RT	50	1	1
	69+60 RS	LT	69+60 RS	RT	51	1	1
	82+75 RS	LT	82+75 RS	RT	70	1	1
	86+80 RS	LT	86+80 RS	RT	52	1	1
	97+97 RS	LT	97+97 RS	RT	53	1	1
STAGE 3 SUBTOTAL						**6**	**6**
1071-06-82 TOTAL						**26**	**27**

MOVING SIGNS

	EXISTING STATION	LOCATION	NEW STATION	LOCATION	SIGN NUMBER	* 638.2102 SIGNS TYPE II EACH	* 638.4000 SMALL SIGN SUPPORTS EACH
CAT 0010							
PROJECT NO: 1071-06-83							
STAGE 1A							
	103+30 RS	LT	100+10 RS	LT	10	1	1
	101+70 RS	LT	101+70 RS	LT	11	4	1
	105+30 RS	LT	105+30 RS	LT	12	1	1
	129+35 RS	LT	129+35 RS	LT	13	1	2
STAGE 1A SUBTOTAL						**7**	**5**
STAGE 1C SUBTOTAL							
	103+80 F	LT	103+80 F	LT	17	1	1
	205+25 HX	RT	205+25 HX	LT	18	1	1
STAGE 1C SUBTOTAL						**2**	**2**
STAGE 2A							
	104+80 RS	RT	104+20 RS	LT	14	1	3
STAGE 2A SUBTOTAL						**1**	**3**
STAGE 3A							
	104+20 RS	LT	105+10 RN	LT	14	1	3
	21+35 TG	RT	22+10 TG	RT	19	1	1
	21+35 TG	RT	22+10 TG	RT	20	1	1
STAGE 3A SUBTOTAL						**3**	**5**
STAGE 3B							
	22+10 UG	RT	22+10 UG	RT	15	1	1
	22+10 UG	RT	22+10 UG	RT	16	1	1
STAGE 3B SUBTOTAL						**2**	**2**
1071-06-83 TOTAL						**15**	**17**
CONSTRUCTION TOTAL						**41**	**44**

***ADDITIONAL QUANTITIES LOCATED ELSEWHERE**

CATEGORY 0010 UNLESS OTHERWISE NOTED

CONDUIT

	STATION TO STATION	LOCATION	* 632.0225 CONDUIT RIGID NONMETALIC SCHEDULE 40 2-INCH LF
CAT 0010			
PROJECT NO: 1071-06-82			
	53+80 - 57+75 RN		395
	59+20 - 69+50 RN		1,030
	70+50 - 85+75 RN		1,525
	87+50 - 98+00 RN		1,050
1071-06-82 TOTAL			**4,000**
CONSTRUCTION TOTAL			**4,000**

* ADDITIONAL QUANTITY LOCATED ELSEWHERE

DELINEATORS

	STATION TO STATION	LOCATION	633.1100 TEMPORARY EACH	633.0100 POST STEEL EACH	633.0500 REFLECTORS EACH
CAT 0010					
PROJECT NO: 1071-06-83					
	182+00 E - 189+00 E		--	7	8
	191+00 F- 204+00 F		--	14	15
	201+00 G - 212+00 G		--	12	13
	197+00 H - 200+00 H		--	4	4
1071-06-83 TOTAL			**--**	**37**	**40**
PROJECT NO: 7190-03-72					
STAGE 1C					
	142+00 RW - 144+50 RW	RT	11	--	--
	146+50 RW - 147+25 RW	LT	3	--	--
STAGE 1C SUBTOTAL			**14**	**--**	**--**
STAGE 3A					
	133+75 RY - 135+00 RY	RT	3	--	--
STAGE 3A SUBTOTAL			**3**	**--**	**--**
7190-03-72 TOTAL			**17**	**--**	**--**
CONSTRUCTION TOTAL			**17**	**37**	**40**

TRAFFIC CONTROL SIGNS FIXED MESSAGE

	LOCATION	SIZE	DESCRIPTION	MESSAGE	SIGN NUMBER	643.1000 SIGNS FIXED MESSAGE SF
CAT 0010						
PROJECT NO: 1071-06-82						
	W. GEORGE ST	54 X 24		ACCESS TO LOCAL BUSINESS (LT-A)	250	9.00
	CUNNINGHAM ST	54 X 24		ACCESS TO LOCAL BUSINESS (LT-A)	252	9.00
	W. GEORGE ST	54 X 24		ACCESS TO LOCAL BUSINESS (RT-A)	251	9.00
1071-06-82 TOTAL						**27.00**
PROJECT NO: 1071-06-83						
	IH 90 EB LANES	120 X 84	G20-59	SOUTH 53 35 NARROW LANES 10' MAX WIDTH	105	70.00
	IH 90 EB LANES	114 x 84	R12-70 (MOD)	LOADS EXCEEDING 10' PROCEED TO NEXT EXIT	106	66.50
	IH 90 WB LANES	120 X 84	G20-59	SOUTH 53 35 NARROW LANES 10' MAX WIDTH	108	70.00
	IH 90 WB LANES	114 x 84	R12-70 (MOD)	LOADS EXCEEDING 10' PROCEED TO NEXT EXIT	107	66.50
	IH 90 EB LANES	24 x 18		12'	109	3.00
	IH 90 EB LANES	24 x 18		12'	110	3.00
	IH 90 WB LANES	24 x 18		12'	111	3.00
	IH 90 WB LANES	24 x 18		12'	112	3.00
	IH 90 EB LANES	72 x 24		SOUTH	113	12.00
	IH 90 EB LANES	72 x 24		SOUTH	114	12.00
	IH 90 EB LANES	150 x 18		USE NORTH 35 DETOUR	115	18.75
	IH 90 EB LANES	72 x 24		SOUTH	116	12.00
	IH 90 WB LANES	150 x 18		USE SOUTH 35 DETOUR	117	18.75
	IH 90 WB LANES	150 x 18		USE SOUTH 35 DETOUR	118	18.75
	IH 90 WB LANES	72 x 24		NORTH	119	12.00
1071-06-83 TOTAL						**389.25**
PROJECT NO: 7190-03-72						
7190-03-72 TOTAL						**--**
CONSTRUCTION TOTAL						**416.25**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

COVERING SIGNS

	STATION	LOCATION	643.0910 TYPE I EACH	643.0910 TYPE I NUMBER OF CYCLES	643.0910 TYPE I NUMBER OF SIGNS	643.0920 TYPE II EACH	643.0920 TYPE II NUMBER OF CYCLES	643.0920 TYPE II NUMBER OF SIGNS
CAT 0010								
PROJECT NO: 1071-06-83								
STAGE 1A								
	98+55 RN	OVERHEAD	1	1	1	--	--	--
STAGE 1ASUBTOTAL			**1**			**--**		
STAGE 1B								
	243+00 WB	LT	1	1	1	--	--	--
	252+80 WB	OVERHEAD	1	1	1	--	--	--
STAGE 1B SUBTOTAL			**2**			**--**		
STAGE 1C								
	217+00 WB	LT	--	--	--	1	1	1
	217+00 WB	LT	1	1	1	--	--	--
	235+80 WB	LT	1	1	1	--	--	--
	243+00 WB	LT	1	1	1	--	--	--
	252+80 WB	OVERHEAD	1	1	1	--	--	--
	148+00 EB	RT	1	1	1	--	--	--
	156+00 EB	RT	1	1	1	--	--	--
	ADVANCE SIGNS		--	--	--	3	1	3
STAGE 1C SUBTOTAL			**6**			**4**		
STAGE 2B								
	104+20 RS	LT	--	--	--	1	1	1
STAGE 2B SUBTOTAL			**--**			**1**		
STAGE 3A								
	156+00 EB	RT	1	1	1	--	--	--
STAGE 3A SUBTOTAL			**1**			**--**		
STAGE 5A								
	198+80 E	OVERHEAD	--	--	--	1	1	1
STAGE 5A SUBTOTAL			**--**			**1**		
STAGE 5B								
	203+85 G	OVERHEAD	--	--	--	1	1	1
STAGE 5B SUBTOTAL			**--**			**1**		
1071-06-83 TOTAL			**10**			**6**		
CONSTRUCTION TOTAL			**10**			**6**		

MOBILIZATION

PROJECT	619.1000 MOBILIZATION EACH
1071-06-82	0.45
1071-06-83	0.45
1071-06-89	0.00
7190-03-72	0.10
PROJECT TOTAL	1

WATER

	LOCATION	624.0100 WATER MGAL
CAT 0010		
PROJECT ID : 1071-06-82		
	BASE COMPACTION	1,020
	DUST CONTROL	215
1071-06-82 TOTAL		**1,235**
PROJECT ID : 1071-06-83		
	BASE COMPACTION	500
	DUST CONTROL	500
1071-06-83 TOTAL		**1,000**
PROJECT ID : 7190-03-72		
	BASE COMPACTION	25
	DUST CONTROL	75
7190-03-72 TOTAL		**100**
CONSTRUCTION TOTAL		**2,335**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

LANDSCAPING ITEMS

	STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0160 SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	631.1000 SOD LAWN SY	SPV.0085.03 NO-MOW FESCUE LB
CAT 0010												
PROJECT ID : 1071-06-82												
ROSE STREET												
	53+24 - 62+00 RS	LT	1,538	1,538	1.0	30	4	--	42	--	--	--
	53+34 - 62+00 RN	RT	2,176	2,176	1.4	42	5	--	59	--	--	--
	56+95 - 57+91 RN	MEDIAN	178	178	.2	--	1	--	5	--	--	4
	62+45 - 69+50 RN	MEDIAN	1,533	1,533	1.0	--	4	--	42	--	--	28
	62+00 - 76+00 RS	LT	3,927	3,927	2.5	86	8	--	107	--	--	--
	62+00 - 76+00 RN	RT	4,143	4,143	2.7	82	9	--	112	--	--	--
	73+70 - 76+00 RN	MEDIAN	497	497	.4	--	1	--	14	--	--	9
	76+00 - 91+00 RS	LT	4,253	4,253	2.7	93	9	--	115	--	--	--
	76+00 - 91+00 RN	RT	2,507	2,507	1.6	39	6	--	68	--	--	--
	76+00 - 84+80 RN	MEDIAN	2,086	2,086	1.4	--	5	--	57	--	--	38
	91+00 - 98+00 RS	LT	1,516	1,516	1.0	31	4	--	41	--	--	--
	91+00 - 98+00 RN	RT	2,100	2,100	1.4	43	5	--	57	--	--	--
	93+00 - 98+00 RN	MEDIAN	1,100	1,100	.7	--	3	--	30	--	--	--
W. GEORGE STREET												
	145+50 - 151+28 WG	LT	550	550	.4	8	2	--	15	--	276	--
	145+50 - 151+08 WG	RT	569	569	.4	8	2	--	16	--	286	--
	151+89 - 157+11 WG	RT	396	396	.3	4	1	--	11	--	281	--
	152+56 - 157+17 WG	LT	603	603	.4	9	2	--	17	--	298	--
	STATION	O/S	--	--	--	--	--	--	--	--	--	--
MOORE STREET												
	10+65 - 12+03 MS	LT	62	62	.1	--	1	--	2	--	--	--
	10+52 - 12+70 MS	RT	178	178	.2	--	1	--	5	--	--	--
PALACE STREET												
	10+78 - 13+74 PS	LT	264	264	.2	3	1	--	8	--	--	--
	10+59 - 12+50 PS	RT	93	93	.1	--	1	--	3	--	--	--
GEORGE STREET												
	5+61 - 8+95 GS	LT	412	412	.3	7	1	--	12	--	--	--
	5+71 - 9+32 GS	RT	427	427	.3	8	1	--	12	--	--	--
	10+52 - 14+67 GS	LT	251	251	.2	3	1	--	7	--	--	--
	10+62 - 15+33 GS	RT	342	342	.3	3	1	--	10	--	--	--
ACCESS ROAD												
	13+47 - 19+82 AR	LT	900	900	.6	15	2	--	25	--	--	--
LIVINGSTON STREET												
	10+46 - 11+13 LS	LT	47	47	.1	1	1	--	2	--	--	--
BORROW PIT			--	4,000	2.6	--	--	--	--	54	--	--
SUBTOTAL			**32,648**	**36,648**	**25**	**515**	**82**	**--**	**894**	**54**	**1,141**	**79**
	UNDISTRIBUTED		**8,162**	**9,162**	**6.1**	**129**	**21**	**--**	**224**	**14**	**285**	**20**
1071-06-82 TOTAL			**40,810**	**45,810**	**31**	**644**	**103**	**--**	**1,118**	**68**	**1,426**	**99**

CATEGORY 0010 UNLESS OTHERWISE NOTED

LANDSCAPING ITEMS

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0160 SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	631.1000 SOD LAWN SY	SPV.0180.01 SPECIAL MULCHING SY	COMMENTS
CAT 0010												
PROJECT NO: 1071-06-83												
	ROSE STREET	33,200	33,200	21.0	897	155	--	449	--	--	--	
	E RAMP	4,530	4,530	2.9	123	--	--	62	--	--	--	
	F RAMP	11,230	11,230	7.1	304	10	--	152	--	--	--	
	G RAMP	6,970	6,970	4.4	189	--	--	95	--	--	--	
	H RAMP	2,730	2,730	1.8	74	--	--	37	--	--	--	
	IH 90 WB	2,630	2,630	1.7	72	--	--	36	--	--	--	
	FA RAMP	90	90	.1	--	--	--	2	--	--	--	
	GR LINE	120	120	.1	--	--	--	2	--	--	--	
	TEMP EW RAMP	1,800	1,800	--	--	--	--	49	--	--	--	
	TEMP FA RAMP	130	130	--	--	--	--	4	--	--	--	
	TEMP FY RAMP	420	420	--	--	--	--	12	--	--	--	
	TEMP FX RAMP	1,660	1,660	--	--	--	--	45	--	--	--	
	TEMP GY RAMP	8,220	8,220	--	--	--	--	222	--	--	--	
	TEMP GZ RAMP	2,900	2,900	--	--	--	--	79	--	--	--	
	TEMP HX RAMP	2,990	2,990	--	--	--	--	81	--	--	--	
	TEMP TG LINE	150	150	--	--	--	--	5	--	--	--	
	TEMP UG LINE	70	70	--	--	--	--	2	--	--	--	
	TEMP RS WIDENING	7,100	7,100	--	--	--	--	192	--	--	--	
	TEMP RN WIDENING	7,580	7,580	--	--	--	--	205	--	--	--	
	EAGLE VIEWING AREA	--	--	--	--	--	--	--	--	--	--	
	RAMP REMOVAL SE QUAD	24,940	24,940	15.8	674	--	--	337	--	--	--	
	RAMP REMOVAL NE QUAD	19,550	19,550	12.4	528	--	--	264	--	--	--	
	RAMP REMOVAL NW QUAD	8,100	8,100	5.2	219	--	--	110	--	--	--	
	WETLAND AREA (GY)	1,620	--	1.1	--	--	22	22	--	--	1,620	
	BORROW PIT	--	5,000	3.2	--	--	--	--	68	--	--	
UNDISTRIBUTED		**--**	**38,028**	**19**	**770**	**41**	**6**	**616**	**17**	**--**	**405**	
1071-06-83 CATEGORY 0010 TOTAL		**148,730**	**190,138**	**96.0**	**3,850**	**206**	**28**	**3,080**	**85**	**--**	**2,025**	
CAT 0040	EAGLE VIEWING AREA	5,150	5,150	3.3	--	--	--	70	--	--	--	
UNDISTRIBUTED		**--**	**1,288**	**.8**	**--**	**--**	**--**	**18**	**--**	**--**	**--**	
1071-06-83 CATEGORY 0040 TOTAL		**5,150**	**6,438**	**4.1**	**--**	**--**	**--**	**88**	**--**	**--**	**--**	
1071-06-83 TOTAL		**153,880**	**196,575**	**100**	**3,850**	**206**	**28**	**3,168**	**85**	**--**	**2,025**	
PROJECT NO: 7190-03-72												
	ROSE STREET	8,050	8,050	5.1	218	30	--	109	--	--	--	
	TEMP RW X-OVER	340	340	--	--	--	--	10	--	--	--	
	TEMP RX X-OVER	330	330	--	9	--	--	9	--	--	--	
	BORROW PIT	--	2,000	1.3	--	--	--	--	27	--	--	
UNDISTRIBUTED		**--**	**2,680**	**1.6**	**57**	**8**	**--**	**32**	**7**	**--**	**--**	
7190-03-72 TOTAL		**8,720**	**13,400**	**8.0**	**284**	**38**	**--**	**160**	**34**	**--**	**--**	
CONSTRUCTION TOTAL		**198,260**	**249,348**	**135**	**4,778**	**346**	**28**	**4,358**	**186**	**1,426**	**2,025**	

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SIGNING

	LOCATION	SIGN NUMBER	SIGN CODE	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	* 634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH
CAT 0040					
PROJECT NO: 1071-06-83					
	EAGLE VIEWING AREA	1	W5-56	2.25	1
	EAGLE VIEWING AREA	2	W5-56	2.25	1
	EAGLE VIEWING AREA	3	W5-56	2.25	1
	EAGLE VIEWING AREA	4	R7-52R	3.00	1
	EAGLE VIEWING AREA	5	R7-52D	3.00	1
	EAGLE VIEWING AREA	6	R7-52D	3.00	1
	EAGLE VIEWING AREA	7	SPECIAL	8.75	1
	EAGLE VIEWING AREA	8	R7-52L	3.00	1
	EAGLE VIEWING AREA	9	R7-8A	1.50	1
	EAGLE VIEWING AREA	10	R7-52R	3.00	1
	EAGLE VIEWING AREA	11	R7-52D	3.00	1
	EAGLE VIEWING AREA	12	R7-52L	3.00	1
1071-06-83 TOTAL				**38.00**	**12**
CONSTRUCTION TOTAL				**38.00**	**12**

*** ADDITIONAL QUANTITIES LOCATED ELSEWHERE**

TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE

PROJECT	643.0200.01 DAYS	643.0200.02 DAYS	643.0200.03 DAYS
1071-06-82	--	--	222
1071-06-83	222		--
7190-03-72	--	222	
PROJECT TOTAL	222	222	222

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

	STATION TO STATION	LOCATION	643.0500 POSTS EACH	643.0600 BASES EACH
CAT 0010				
PROJECT NO: 1071-06-82				
STAGE 2				
			102	102
STAGE 2 SUBTOTAL			**102**	**102**
STAGE 3				
			85	85
STAGE 3 SUBTOTAL			**85**	**85**
1071-06-82 TOTAL			**187**	**187**
PROJECT NO: 1071-06-83				
STAGE 1C				
	98+14 RS - 102+34 RS	CENTERLINE	13	13
	124+38 RS - 128+63 RS	CENTERLINE	16	16
	129+47 RS - 133+36 RS	CENTERLINE	16	16
STAGE 1C SUBTOTAL			**45**	**45**
STAGE 2A				
	104+02 RN - 122+27 RN	CENTERLINE	44	44
	102+35 RS - 103+05 RS	ISLAND	28	28
STAGE 2A SUBTOTAL			**72**	**72**
STAGE 3A				
	98+00 RN - 104+54 RN	CENTERLINE	19	19
	105+73 RN - 122+68 RN	CENTERLINE	57	57
	124+36 RN - 127+98 RN	CENTERLINE	13	13
	127+98 RN - 133+21 RN	CENTERLINE	26	26
	190+28 F - 191+80 F	CENTERLINE	13	13
STAGE 3A SUBTOTAL			**128**	**128**
STAGE 3B				
	122+68 RN - 124+36 RN	CENTERLINE	3	3
	127+98 RN - 128+61 RN	CENTERLINE	1	1
STAGE 3B SUBTOTAL			**4**	**4**
1071-06-83 TOTAL			**249**	**249**
PROJECT NO: 7190-03-72				
STAGE 1C				
	133+36 RS - 145+66 RS	CENTERLINE	45	45
STAGE 1C SUBTOTAL			**45**	**45**
STAGE 3A				
	133+21 RN - 136+90 RN	CENTERLINE	15	15
STAGE 3A SUBTOTAL			**15**	**15**
7190-03-72 TOTAL			**60**	**60**
CONSTRUCTION TOTAL			**496**	**496**

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TRAFFIC CONTROL ITEMS

STAGE	643.0300 DRUMS EACH	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS EACH	643.0900 SIGNS DAYS	643.3000 DETOUR SIGNS EACH	643.3000 DETOUR SIGNS DAYS	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAYS
PROJECT ID : 1071-06-82																		
STAGE 1A	131	393	--	--	9	27	14	42	20	60	1	3	24	72	--	--	1	10
STAGE 1B	170	6,970	2	82	51	2,091	34	1,394	10	410	1	41	59	2,419	--	--	--	--
STAGE 2A	107	4,066	2	76	58	2,204	38	1,444	--	--	1	38	66	2,508	--	--	1	10
STAGE 2B	118	1,770	12	180	57	855	38	570	9	135	1	15	64	960	--	--	--	--
STAGE 2C	--	--	1	20	11	220	18	360	--	--	--	--	5	100	--	--	--	--
STAGE 3	38	3,268	2	172	16	1,376	14	1,204	12	1,032	2	172	30	2,580	--	--	1	10
STAGE 4	40	600	4	60	2	30	4	60	37	555	1	15	17	255	--	--	--	--
UNDISTRIBUTED		1,024		35		408		304		132		17		534	--	--		2
1071-06-82 TOTAL		**18,091**		**625**		**7,211**		**5,378**		**2,324**		**301**		**9,428**		**--**		**32**
PROJECT NO: 1071-06-83																		
STAGE 1A	203	609	--	--	10	30	20	60	37	111	--	--	63	189	--	--	1	2
STAGE 1B	201	12,060	--	--	20	1,200	40	2,400	7	420	--	--	57	3,420	160	9,600	7	420
STAGE 1C	175	7,875	--	--	40	1,800	80	3,600	--	--	2	90	112	5,040	402	18,090	15	675
STAGE 2A	176	5,280	--	--	34	1,020	68	2,040	--	--	3	90	104	3,120	89	2,670	3	90
STAGE 2B	193	3,860	--	--	39	780	78	1,560	--	--	2	40	112	2,240	42	840	2	40
STAGE 3A	190	2,660	--	--	46	644	92	1,288	--	--	1	14	102	1,428	105	1,470	6	84
STAGE 3B	220	3,080	--	--	56	784	112	1,568	--	--	2	28	79	1,106	--	--	--	--
STAGE 4	214	2,140	--	--	35	350	70	700	--	--	--	--	47	470	--	--	--	--
STAGE 5A	191	2,483	--	--	19	247	28	364	--	--	--	--	30	390	42	546	2	26
STAGE 5B	83	1,079	--	--	2	26	4	52	--	--	--	--	16	208	--	--	--	--
UNDISTRIBUTED		2,574		--		419		868		39		18		1,089		1,784		83
1071-06-83 TOTAL		**43,700**		**--**		**7,300**		**14,500**		**570**		**280**		**18,700**		**35,000**		**1,420**
PROJECT NO: 7190-03-72																		
STAGE 1A	27	81	--	--	1	3	2	6	7	21	1	3	16	48	--	--	1	2
STAGE 1B	47	2,820	--	--	2	120	4	240	7	420	1	60	18	1,080	--	--	1	60
STAGE 1C	26	1,170	--	--	2	90	4	180	7	315	1	45	37	1,665	--	--	1	45
STAGE 2A	26	780	--	--	1	30	2	60	7	210	1	30	26	780	--	--	--	--
STAGE 2B	26	520	--	--	1	20	2	40	7	140	1	20	26	520	--	--	1	20
STAGE 3A	53	742	--	--	2	28	4	56	11	154	1	14	20	280	--	--	--	--
STAGE 3B	53	742	--	--	2	28	4	56	11	154	1	14	20	280	--	--	--	--
STAGE 4	45	450	--	--	2	20	4	40	7	70	1	10	15	150	--	--	--	--
STAGE 5A	29	377	--	--	2	26	4	52	7	91	1	13	15	195	--	--	--	--
STAGE 5B	29	377	--	--	2	26	4	52	7	91	1	13	15	195	--	--	--	--
UNDISTRIBUTED		541		--		19		48		134		13		307				8
7190-03-72 TOTAL		**8,600**		**--**		**410**		**830**		**1,800**		**235**		**5,500**		**--**		**135**
CONSTRUCTION TOTAL		**70,391**		**625**		**14,921**		**20,708**		**4,694**		**816**		**33,628**		**35,000**		**1,587**

CATEGORY 0010
UNLESS OTHERWISE
NOTED

FILE NAME : ch_0682_030205_mq.pptx PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _Aug 1, 2016 PLOT SCALE : 1:1

3

PAVEMENT MARKING

	STATION	LOCATION	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH WHITE LF	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH YELLOW LF	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0166 EPOXY ARROW TYPE 2 WHITE EACH	647.0176 EPOXY ARROW TYPE 3 WHITE EACH	647.0356 WORDS EPOXY WHITE EACH	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0766 CROSS WALK EPOXY 6-INCH WHITE LF	646.0844.S GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH WHITE LF
CAT 0010															
PROJECT NO: 1071-06-82															
	45+00 - 70+00 'RN'	USH 53 LT	4,039	--	120	--	--	--	--	5	--	6	2	240	735
	70+00 - 87+00 'RN'	USH 53 RLT	4,060	--	110	64	--	--	--	3	--	2	5	126	286
	87+00 - 98+00 'RN'	USH 53 LT	3,340	--	65	118	--	--	--	11	--	11	5	359	1,267
	10+00 - 12+00	MOORE ST	--	296	--	23		--	--	--	--	--	--	130	--
	10+00 - 12+50	PALACE ST	--	390	--	21		--	--	--	--	--	--	114	--
	144+00 - 158+00	STH 35	725	2,250	75	98	--	90	90	5	1	7	5	480	821
	5+00 - 16+00	GEORGE ST	300	2,000	--	55	--	35	--	2	--	2	--	170	276
	13+50 - 20+00	ACCESS RD	--	900	--	15	--	--	--	--	--	--	--	85	--
STAGE 2 SUBTOTAL			**12,464**	**5,836**	**370**	**394**	**--**	**125**	**90**	**26**	**1**	**28**	**17**	**1,704**	**3,385**
STAGE 3															
	52+00 -70+00 'RS'	USH 53 RT													
	70+00 - 87+00 'RS'	USH 53 RT													
	87+00 - 98+00 'RS'	USH 53 RT													
STAGE 3 SUBTOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
STAGE 4															
	52+00 -70+00 'RS'	USH 53 LT	--	--			--	--	--						
	70+00 - 87+00 'RS'	USH 53 LT	--	--			--	--	--						
	87+00 - 98+00 'RS'	USH 53 LT	--	--			--	--	--						
STAGE 4 SUBTOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
1071-06-82TOTAL			**12,464**	**5,836**	**370**	**394**	**--**	**125**	**90**	**26**	**1**	**28**	**17**	**1,704**	**3,385**
			18,300					**215**							

RAMP GATES

	STATION	NUMBER	662.1037.S RAMP CLOSURE GATES HARDWIRED 37-FT EACH	662.1040.S RAMP CLOSURE GATES HARDWIRED 40-FT EACH	654.0105 CONCRETE BASES TYPE 5 EACH	653.0135 PULL BOX STEEL 24 X 36 - INCH EACH	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0510 ELECTRIC WIRE TRAFFIC SIGNALS 12 AWG LF	657.0255 TRANSFORMER BASE BREAKWAY 11 1/2 - INCH BOLT CIRCLE EACH	676.0300 SIGNAL ASSEMBLY ADVANCED FLASHER TYPE I EACH	654.0101 CONCRETE BASE TYPE I EACH	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG EACH	657.0100 PEDESTAL BASE EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH
CAT 0010														
PROJECT NO: 1071-06-83														
	186+85 F	G-32-12	1	--	1	1	950	650	1	1	1	1,000	1	1
	189+62 FA	G-32-13	1	--	1	1	20	850	1	--	--	--	--	--
	200+78 H	G-32-14	--	1	1	--	20	150	1	--	--	--	--	--
1071-06-83 TOTAL			**2**	**1**	**3**	**2**	**990**	**1,650**	**3**	**1**	**1**	**1,000**	**1**	**1**
PROJECT NO: 7190-03-72														
			--	--	--	--	--	--	--	--	--	--	--	--
7190-03-72 TOTAL			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
CONSTRUCTION TOTAL			**2**	**1**	**3**	**2**	**990**	**1,650**	**3**	**1**	**1**	**1,000**	**1**	**1**

*** ADDITIONAL QUANTITIES LOCATED ELSEWHERE**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH WHITE LF	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH YELLOW LF	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0166 EPOXY ARROW TYPE 2 WHITE EACH	647.0176 EPOXY ARROW TYPE 3 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0766 EPOXY CROSS WALK 6-INCH WHITE LF	646.0844.S GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE EACH
CAT 0010																
PROJECT NO: 1071-06-83																
PERMANENT	98+00 RN - 104+17 RN	LT EDGELINE	--	617	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 104+17 RN	C/L DASHED	155	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 98+30 RN	RT EDGELINE	30	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN -98+30 RN	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	30	--
	100+39 RN - 101+20 RN	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	81	--
	101+20 RN - 104+66 RN	RT EDGELINE	346	--	--	--	--	--	--	--	--	--	--	--	--	--
	104+25 RN	STOP BAR	--	--	--	24	--	--	--	--	--	--	--	--	--	--
	104+28 RN	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	89	--	--
	104+38 RN	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	89	--	--
	104+25 RN	MEDIAN	--	--	72	--	1	--	--	--	--	--	--	--	--	--
	105+35 RN	MEDIAN	--	--	22	--	1	--	--	--	--	--	--	--	--	--
	105+40 RN - 116+01 RN	LT EDGELINE	--	1,061	--	--	--	--	--	--	--	--	--	--	--	--
	105+40 RN - 116+01 RN	C/L DASHED	265	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+26 RN - 116+78 RN	RT EDGELINE	1,152	--	--	--	--	--	--	--	--	--	--	--	--	--
	112+35 RN - 116+06 RN	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	371	--
	112+60 RN	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	113+00 RN	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	115+41 RN	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	115+81 RN	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	116+06 RN	STOP BAR	--	--	--	36	--	--	--	--	--	--	--	--	--	--
	116+10 RN	MEDIAN	--	--	23	--	1	--	--	--	--	--	--	--	--	--
	117+25 RN	MEDIAN	--	--	72	--	1	--	--	--	--	--	--	--	--	--
	117+21 RN - 117+41 RN	RT EDGELINE	20	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+93 RN - 127+95 RN	LT EDGELINE	--	1,002	--	--	--	--	--	--	--	--	--	--	--	--
	117+93 RN - 133+21 RN	C/L DASHED	382	--	--	--	--	--	--	--	--	--	--	--	--	--
	118+63 RN - 133+21 RN	RT EDGELINE	1,458	--	--	--	--	--	--	--	--	--	--	--	--	--
	126+00 RN - 128+68 RN	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	310	--
	126+25 RN	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	126+60 RN	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	127+65 RN	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	128+05 RN	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	128+20 RN	MEDIAN	--	--	28	--	1	--	--	--	--	--	--	--	--	--
	128+75 RN	MEDIAN	--	--	25	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 103+01 RS	RT EDGELINE	487	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 103+76 RS	C/L DASHED	141	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 103+76 RS	C/L DASHED	141	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 103+71 RS	LT EDGELINE	--	557	--	--	--	--	--	--	--	--	--	--	--	--
	104+82 RS - 105+84 RS	RT EDGELINE	102	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+53 RS	STOP BAR	--	--	--	48	--	--	--	--	--	--	--	--	--	--
	105+53 RS - 116+08 RS	C/L DASHED	264	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+53 RS - 116+08 RS	C/L DASHED	264	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+53 RS - 108+15 RS	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	262	--
	105+53 RS - 116+03 RS	LT EDGELINE	--	1,050	--	--	--	--	--	--	--	--	--	--	--	--
	105+78 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	106+18 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	107+50 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	107+90 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	116+08 RS - 116+96 RS	DOTTED	--	27	--	--	--	--	--	--	--	--	--	--	--	--
	116+08 RS - 117+08 RS	DOTTED	32	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+08 RS - 117+18 RS	DOTTED	39	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+47 RS - 128+27 RS	LT EDGELINE	--	1,080	--	--	--	--	--	--	--	--	--	--	--	--
	117+57 RS	STOP BAR	--	--	--	54	--	--	--	--	--	--	--	--	--	--
	117+57 RS - 120+21 RS	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	264	--
	117+57 RS - 120+21 RS	RT EDGELINE	264	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+57 RS - 126+80 RS	C/L DASHED	231	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+57 RS - 133+36 RS	C/L DASHED	395	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+81 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	118+21 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	119+57 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
	119+97 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
	117+72 RS - 126+80 RS	RT EDGELINE	908	--	--	--	--	--	--	--	--	--	--	--	--	--
	120+21 RS - 121+47 RS	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	32	--
	120+21 RS - 122+01 RS	TURN LANE	45	--	--	--	--	--	--	--	--	--	--	--	--	--
	129+47 RS - 133+36 RS	RT EDGELINE	389	--	--	--	--	--	--	--	--	--	--	--	--	--
	129+47 RS - 132+01 RS	TURN LANE	254	--	--	--	--	--	--	--	--	--	--	--	--	--
	129+47 RS - 132+01 RS	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	254	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING

STATION - STATION	LOCATION	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH WHITE LF	646.0842.S GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH YELLOW LF	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0166 EPOXY ARROW TYPE 2 WHITE EACH	647.0176 EPOXY ARROW TYPE 3 WHITE EACH	647.0356 WORDS EPOXY WHITE EACH	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0766 CROSS WALK EPOXY 6-INCH WHITE LF	646.0844.S GROOVED CONTRAST WET REFLECTIVE EPOXY 8-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE EACH
CAT 0010															
128+99 RS - 133+36 RS	LT EDGELINE	--	437	--	--	--	--	--	--	--	--	--	--	--	--
129+70 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
130+10 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
131+37 RS	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
131+77 RS	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
132+01 RS - 132+96 RS	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	24	--
132+01 RS - 133+36 RS	TURN LANE	34	--	--	--	--	--	--	--	--	--	--	--	--	--
181+88 E - 185+05 E	GORE	--	--	--	--	--	--	--	--	--	--	--	--	--	317
182+38 E - 189+11 E	RT EDGELINE	673	--	--	--	--	--	--	--	--	--	--	--	--	--
185+05 E - 189+70 E	LT EDGELINE	--	465	--	--	--	--	--	--	--	--	--	--	--	--
187+54 E - 189+74 E	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	263	--
187+76 E	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
188+36 E	TURN LANE	--	--	--	--	--	--	--	--	--	1	--	--	--	--
189+04 E	TURN LANE	--	--	--	--	--	--	--	1	--	--	--	--	--	--
189+85 E	STOP BAR	--	--	--	42	--	--	--	--	--	--	--	--	--	--
189+90 E	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	44	--	--
190+00 E	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	51	287	--
183+90 F - 186+77 F	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
183+90 F - 203+73 F	RT EDGELINE	1,983	--	--	--	--	--	--	--	--	--	--	--	--	--
185+96 F - 186+77 F	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	81	--
186+77 F - 196+80 F	C/L DASHED	251	--	--	--	--	--	--	--	--	--	--	--	--	--
186+77 F - 189+76 F	LT EDGELINE	--	299	--	--	--	--	--	--	--	--	--	--	--	--
189+76 F	STOP BAR	--	--	--	27	--	--	--	--	--	--	--	--	--	--
189+80 F	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	27	--	--
189+90 F	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	27	--	--
189+90 F - 190+48 F	LT EDGELINE	--	58	--	--	--	--	--	--	--	--	--	--	--	--
190+95 F - 200+85 F	LT EDGELINE	--	990	--	--	--	--	--	--	--	--	--	--	--	--
200+85 F - 203+73 F	GORE	--	--	--	--	--	--	--	--	--	--	--	--	--	288
189+28 FA - 190+33 FA	RT EDGELINE	105	--	--	--	--	--	--	--	--	--	--	--	--	--
189+73 FA - 190+49 FA	LT EDGELINE	--	82	--	--	--	--	--	--	--	--	--	--	--	--
199+60 G	STOP BAR	--	--	--	40	--	--	--	--	--	--	--	--	--	--
199+60 G - 208+29 G	LT EDGELINE	--	869	--	--	--	--	--	--	--	--	--	--	--	--
199+60 G - 203+00 G	C/L DASHED	85	--	--	--	--	--	--	--	--	--	--	--	--	--
199+60 G - 203+00 G	C/L DASHED	85	--	--	--	--	--	--	--	--	--	--	--	--	--
199+80 G - 203+00 G	TURN LANE	--	--	--	--	--	--	--	--	--	--	--	--	368	--
199+94 G	STOP BAR	--	--	--	24	--	--	--	--	--	--	--	--	--	--
200+30 G	TURN LANE	--	--	--	--	--	--	--	3	1	--	--	--	--	--
200+42 G - 212+79	RT EDGELINE	1,248	--	--	--	--	--	--	--	--	--	--	--	--	--
200+70 G	TURN LANE	--	--	--	--	--	--	--	--	--	3	--	--	--	--
202+36 G	TURN LANE	--	--	--	--	--	--	--	3	1	--	--	--	--	--
202+76 G	TURN LANE	--	--	--	--	--	--	--	--	--	3	--	--	--	--
208+29 G - 212+48 G	GORE	--	--	--	--	--	--	--	--	--	--	--	--	--	419
197+00 H - 200+67 H	LT EDGELINE	--	367	--	--	--	--	--	--	--	--	--	--	--	--
197+00 H - 200+57 H	RT EDGELINE	357	--	--	--	--	--	--	--	--	--	--	--	--	--
199+78 H	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	32	--	--
199+88 H	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	46	--	--
200+30 GR	MEDIAN	--	--	10	--	1	--	--	--	--	--	--	--	--	--
21+33 GR	STOP BAR	--	--	--	22	--	--	--	--	--	--	--	--	--	--
21+37 GR	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	52	--	--
21+47 GR	CROSSWALK	--	--	--	--	--	--	--	--	--	--	--	72	--	--
21+65 GR	MEDIAN	--	--	10	--	1	--	--	--	--	--	--	--	--	--
189+60 EB - 196+60 EB	RT EDGELINE	700	--	--	--	--	--	--	--	--	--	--	--	--	--
191+30 EB - 204+60 WB	RT EDGELINE	1,330	--	--	--	--	--	--	--	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	--	--	--	--	--
1071-06-83 TOTAL		**23,576**		**262**	**317**	**7**	**--**	**--**	**18**	**2**	**17**	**--**	**529**	**2,627**	**1,024**
PROJECT NO: 7190-03-72															
133+21 RN - 144+75 RN	RT EDGELINE	1,154	--	--	--	--	--	--	--	--	--	--	--	--	--
133+21 RN - 147+00 RN	C/L DASHED	345	--	--	--	--	--	--	--	--	--	--	--	--	--
133+21 RN - 147+25 RN	LT EDGELINE	--	1,404	--	--	--	--	--	--	--	--	--	--	--	--
133+36 RS - 146+35 RS	RT EDGELINE	--	1,299	--	--	--	--	--	--	--	--	--	--	--	--
133+36 RS - 151+03 RS	C/L DASHED	442	--	--	--	--	--	--	--	--	--	--	--	--	--
133+36 RS - 146+35 RS	LT EDGELINE	1,299	--	--	--	--	--	--	--	--	--	--	--	--	--
7190-03-72 TOTAL		**5,943**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
CONSTRUCTION TOTAL		**47,819**		**632**	**711**	**7**	**215**		**26**	**3**	**45**	**17**	**2,233**	**6,012**	**1,024**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0103 PAINT 4-INCH WHITE LF	646.0103 PAINT 4-INCH YELLOW LF	647.0153 ARROWS PAINT TYPE I EACH	647.0253 SYMBOLS PAINT WHITE EACH	647.0653 PARKING STALLS PAINT LF
CAT 0040							
PROJECT NO: 1071-06-83							
PERMANENT	EAGLE VIEWING AREA		70	170	2	1	504
1071-06-83 TOTAL				**240**	**2**	**1**	**504**

LIFT STATION OUTFALL

STATION	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	SPV.0090.50 LEVEL SPREADER WALL EACH	SPV.0105.55 LIFT STATION MODIFICATION LUMP
PROJECT NO: 1071-06-83				
	LIFT STATION	3	26	1
1071-06-83 TOTAL		**3**	**26**	**1**

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTION

	LOCATION	LS
PROJECT NO: 1071-06-82		
661.0200	01. STH 35 AND GEORGE STREET	1
661.0200	02. STH 35 & USH 53	1
661.0200	03. PALACE ST AND USH 53	1
PROJECT NO: 1071-06-83		
661.0200	04. EASTBOUND RAMP TERMINAL	1
661.0200	05. WESTBOUND RAMP TERMINAL	1

3

CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	647.0955 REMOVING PAVEMENT MARKINGS ARROWS EACH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0801 TEMPORARY P. M. REMOVABLE TAPE 8-INCH LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF	649.1802 TEMPORARY PAVEMENT MARKING ARROWS PAINT EACH	649.2002 TEMPORARY PAVEMENT MARKING WORDS PAINT EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE EACH
CAT 0010																
PROJECT NO: 1071-06-82																
STAGE 1B																
	W. GEORGE STREET		1,100	--	--	--	1,100	2,600	40	--	--	240	1	1	--	--
STAGE 1B																
	W. GEORGE STREET		--	--	--	--	--	1,020	--	--	--	185	--	--	3	1
STAGE 1C																
	W. GEORGE STREET		300	1	--	--	--	700	--	--	--	200	--	--	--	--
STAGE 2A																
	ROSE STREET		2,000	--	--	--	9,525	8,400	100	--	--	220	4	2	--	--
	W. GEORGE STREET		--	--	--	--	450	900	--	--	--	--	--	--	--	--
STAGE 2B																
	ROSE STREET		--	--	--	--	600	400	--	--	--	200	--	--	--	--
	W. GEORGE STREET		--	--	--	--	825	350	50	--	--	160	--	--	1	1
STAGE 2C																
	W. GEORGE STREET		350	--	400	800	--	--	--	--	--	--	--	--	--	--
STAGE 3																
	ROSE STREET		600	--	--	--	1,850	8,950	--	--	870	--	1	--	3	2
1071-06-82TOTAL			**4,350**	**1**	**400**	**800**	**14,350**	**23,320**	**190**	**--**	**870**	**1,205**	**6**	**3**	**7**	**4**
PROJECT NO: 1071-06-83																
STAGE 1A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	109+80 RN - 117+20 RN	DOTTED	--	--	--	--	185	--	--	--	--	--	--	--	--	--
	109+80 RN - 117+20 RN	C/L DASHED	185	--	--	--	--	--	--	--	--	--	--	--	--	--
	111+70 RS - 115+00 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	330	--	--	--	--
	103+85 RS - 116+50 RS	RT EDGELINE	--	--	--	--	1,260	--	--	--	--	--	--	--	--	--
	114+00 RS - 116+50 RS	LT EDGELINE	--	--	--	--	--	270	--	--	--	--	--	--	--	--
	GW RAMP	LT EDGELINE	100	--	--	--	--	--	--	--	--	--	--	--	--	--
	109+00 RS - 113+00 RS	CHANNELIZING	1,000	--	--	--	--	--	--	--	--	--	--	--	--	--
	125+10 RS - 127+90 RS	DOTTED	--	--	--	--	70	--	--	--	--	--	--	--	--	--
	125+10 RS - 127+90 RS	C/L DASHED	70	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 1B																
	125+10 RS - 127+90 RS	DOTTED	70	--	--	--	--	--	--	--	--	--	--	--	--	--
	125+10 RS - 127+90 RS	DOTTED	--	--	--	--	70	--	--	--	--	--	--	--	--	--
	129+33 RS - 130+44 RS	EDGELINE	--	--	245	--	--	--	--	--	--	--	--	--	--	--
	20+05 TG - 21+35 TG	EDGELINE	--	--	165	--	--	--	--	--	--	--	--	--	--	--
	129+33 RS - 130+44 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	110	--	--	--	--
STAGE 1C																
	98+14 RS - 148+00 RS	EDGELINE	4,986	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 148+00 RS	C/L DASHED	1,247	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 135+20 RS	EDGELINE	3,706	--	--	--	--	--	--	--	--	--	--	--	--	--
	104+50 RS - 106+00 RS	CHANNELIZING	300	--	--	--	--	--	--	--	--	--	--	--	--	--
	111+70 RS - 116+50 RS	CHANNELIZING	660	--	--	--	--	--	--	--	--	--	--	--	--	--
	126+00 RS - 127+00 RS	CHANNELIZING	200	--	--	--	--	--	--	--	--	--	--	--	--	--
	202+60 HX - 208+00 HX	EDGELINE	500	--	--	--	--	--	--	--	--	--	--	--	--	--
	202+60 HX - 208+00 HX	EDGELINE	500	--	--	--	--	--	--	--	--	--	--	--	--	--
	184+60 EW - 186+00 EW	EDGELINE	140	--	--	--	--	--	--	--	--	--	--	--	--	--
	184+60 EW - 186+00 EW	EDGELINE	140	--	--	--	--	--	--	--	--	--	--	--	--	--
	209+00 GY - 212+00 GY	EDGELINE	300	--	--	--	--	--	--	--	--	--	--	--	--	--
	209+00 GY - 212+10 GY	EDGELINE	310	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+14 RS - 102+34 RS	RT EDGELINE	--	--	--	--	420	--	--	--	--	--	--	--	--	--
	98+14 RS - 102+34 RS	C/L DASHED	--	--	--	--	34	--	--	--	--	--	--	--	--	--
	98+14 RS - 102+34 RS	CENTERLINE	--	--	--	--	--	840	--	--	--	--	--	--	--	--
	98+14 RS -103+00 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	625	--	--	--	--
	98+14 RS - 102+34 RS	RT EDGELINE	--	--	--	--	420	--	--	--	--	--	--	--	--	--
	102+34 RS	STOP BAR	--	--	--	--	--	--	11	--	--	--	--	--	--	--
	189+13 EW	STOP BAR	--	--	--	--	--	--	45	--	--	--	--	--	--	--
	99+25 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	100+75 RS	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
	102+05 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKING

STATION - STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	647.0955 REMOVING PAVEMENT MARKINGS ARROWS EACH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0801 TEMPORARY P. M. REMOVABLE TAPE 8-INCH LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF	649.1802 TEMPORARY PAVEMENT MARKING ARROWS PAINT EACH	649.2002 TEMPORARY PAVEMENT MARKING WORDS PAINT EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE EACH
CAT 0010															
102+90 FY - 108+25 FY	LT EDGELINE	--	--	--	--	--	535	--	--	--	--	--	--	--	--
102+90 FY - 108+54 FY	RT EDGELINE	--	--	--	--	564	--	--	--	--	--	--	--	--	--
103+25 FY - 106+25 FY	C/L DASHED	--	--	--	--	24	--	--	--	--	--	--	--	--	--
184+59 EW - 189+26 EW	LT EDGELINE	--	--	--	--	--	467	--	--	--	--	--	--	--	--
184+59 EW - 189+26 EW	RT EDGELINE	--	--	--	--	467	--	--	--	--	--	--	--	--	--
124+38 RS	STOP BAR	--	--	--	--	--	--	23	--	--	--	--	--	--	--
124+38 RS - 127+31 RS	RT EDGELINE	--	--	--	--	333	--	--	--	--	--	--	--	--	--
124+38 RS - 128+63 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	425	--	--	--	--
124+38 RS - 128+63 RS	CENTERLINE	--	--	--	--	--	850	--	--	--	--	--	--	--	--
124+44 RS - 127+63 RS	CENTERLINE	--	--	--	--	--	638	--	--	--	--	--	--	--	--
124+90 RS - 133+36 RS	RT EDGELINE	--	--	--	--	846	--	--	--	--	--	--	--	--	--
124+66 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
125+94 RS	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
127+15 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
127+63 RS - 128+63 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	100	--	--	--	--
128+33 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
202+58 HX - 207+80 HX	LT EDGELINE	--	--	--	--	--	530	--	--	--	--	--	--	--	--
202+58 HX - 208+00 HX	RT EDGELINE	--	--	--	--	550	--	--	--	--	--	--	--	--	--
202+31 GY	STOP BAR	--	--	--	--	--	--	53	--	--	--	--	--	--	--
202+19 GY - 212+07 GY	LT EDGELINE	--	--	--	--	1,000	--	--	--	--	--	--	--	--	--
202+04 GY - 212+17 GY	RT EDGELINE	--	--	--	--	--	1,030	--	--	--	--	--	--	--	--
202+31 GY - 205+85 GY	CHANNELIZING	--	--	--	--	--	--	--	--	--	354	--	--	--	--
205+55 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
203+09 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
20+38 GR - 21+53 GR	EDGELINE	--	--	--	--	125	--	--	--	--	--	--	--	--	--
20+38 GR - 21+51 GR	EDGELINE	--	--	--	--	--	115	--	--	--	--	--	--	--	--
20+38 GR - 21+40 GR	EDGELINE	--	--	--	--	--	102	--	--	--	--	--	--	--	--
20+38 GR - 21+51 GR	EDGELINE	--	--	--	--	125	--	--	--	--	--	--	--	--	--
129+47 RS - 133+36 RS	RT EDGELINE	--	--	--	--	389	--	--	--	--	--	--	--	--	--
129+47 RS - 130+47 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	100	--	--	--	--
129+47 RS - 133+36 RS	CENTERLINE	--	--	--	--	--	778	--	--	--	--	--	--	--	--
129+47 RS - 133+36 RS	CENTERLINE	--	--	--	--	--	778	--	--	--	--	--	--	--	--
STAGE 2A		--	--	--	--	--	--	--	--	--	--	--	--	--	--
102+91 RS - 123+25 RS	RT EDGELINE	--	--	--	--	2,034	--	--	--	--	--	--	--	--	--
104+02 RS - 122+84 RS	C/L DASHED	--	--	--	--	151	--	--	--	--	--	--	--	--	--
104+02 RS - 122+27 RS	CENTERLINE	--	--	--	--	--	3,650	--	--	--	--	--	--	--	--
103+64 RS - 123+64 RS	RT EDGELINE	--	--	--	--	2,000	--	--	--	--	--	--	--	--	--
104+02 RS - 105+32 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	130	--	--	--	--
104+02 RS	STOP BAR	--	--	--	--	--	--	33	--	--	--	--	--	--	--
104+32 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
105+02 RS	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
116+53 RS - 119+25 RS	CENTERLINE	--	--	--	--	--	544	--	--	--	--	--	--	--	--
119+35 RS - 122+27 RS	CHANNELIZING	--	--	--	--	--	--	--	--	--	292	--	--	--	--
122+27 RS	STOP BAR	--	--	--	--	--	--	22	--	--	--	--	--	--	--
122+84 RS - 124+06 RS	DOTTED	--	--	--	--	37	--	--	--	--	--	--	--	--	--
122+27 RS - 123+35 RS	DOTTED	--	--	--	--	--	30	--	--	--	--	--	--	--	--
203+08 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
204+26 GY	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
205+56 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
STAGE 2B		--	--	--	--	--	--	--	--	--	--	--	--	--	--
105+75 FY - 108+25 FY	RT EDGELINE	250	--	--	--	--	--	--	--	--	--	--	--	--	--
105+75 FY - 108+25 FY	LT EDGELINE	250	--	--	--	--	--	--	--	--	--	--	--	--	--
204+75 GY - 208+18 GY	LT EDGELINE	343	--	--	--	--	--	--	--	--	--	--	--	--	--
122+84 RS - 124+06 RS	DOTTED	37	--	--	--	--	--	--	--	--	--	--	--	--	--
98+00 FX - 106+92 FX	RT EDGELINE	--	--	--	--	892	--	--	--	--	--	--	--	--	--
98+00 FX - 106+92 FX	LT EDGELINE	--	--	--	--	--	892	--	--	--	--	--	--	--	--
102+34 RS - 103+62 RS	RT EDGELINE	--	--	--	--	128	--	--	--	--	--	--	--	--	--
119+66 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
120+86 RS	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
121+96 RS	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
202+21 GZ	STOP BAR	--	--	--	--	--	--	81	--	--	--	--	--	--	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	647.0955 REMOVING PAVEMENT MARKINGS ARROWS EACH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0801 TEMPORARY P. M. REMOVABLE TAPE 8-INCH LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF	649.1802 TEMPORARY PAVEMENT MARKING ARROWS PAINT EACH	649.2002 TEMPORARY PAVEMENT MARKING WORDS PAINT EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE EACH
CAT 0010																
	202+05 GZ - 209+54 GZ	LT EDGELINE	--	--	--	24	--	730	--	--	--	--	--	--	--	--
	202+20 GZ -209+54 GZ	RT EDGELINE	--	--	24	--	755	--	--	--	--	--	--	--	--	--
	202+21 GZ - 205+39 GZ	CHANNELIZING	--	--	--	--	--	--	--	--	24	294	--	--	--	--
	202+21 GZ - 205+39 GZ	CHANNELIZING	--	--	--	--	--	--	--	--	24	294	--	--	--	--
	202+71 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	202+71 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	202+71 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	203+97 GZ	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
	203+97 GZ	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
	205+07 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	205+07 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	205+07 GZ	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	197+00 HX - 200+16 HX	RT EDGELINE	--	--	--	--	--	316	--	--	--	--	--	--	--	--
	197+00 HX - 200+16 HX	LT EDGELINE	--	--	--	--	316	--	--	--	--	--	--	--	--	--
STAGE 3A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 FX - 101+00 FX	RT EDGELINE	300	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 FX - 101+00 FX	LT EDGELINE	300	--	--	--	--	--	--	--	--	--	--	--	--	--
	202+71 GZ	ARROW	--	1	--	--	--	--	--	--	--	--	--	--	--	--
	202+71 GZ	ARROW	--	1	--	--	--	--	--	--	--	--	--	--	--	--
	202+71 GZ	ARROW	--	1	--	--	--	--	--	--	--	--	--	--	--	--
	202+21 GZ	STOP BAR	365	--	--	--	--	--		--	--	--	--	--	--	--
	123+45 RN - 124+00 RN	EDGELINE	55	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+00 RS - 128+63 RS	CHANNELIZING	126	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+00 RS - 128+63 RS	CENTERLINE	126	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+33 RS	ARROW	--	1	--	--	--	--	--	--	--	--	--	--	--	--
	128+00 RS - 128+63 RS	CHANNELIZING	126	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+00 RS - 128+63 RS	EDGELINE	63	--	--	--	--	--	--	--	--	--	--	--	--	--
	21+00 GR - 21+51 GR	EDGELINE	51	--	--	--	--	--	--	--	--	--	--	--	--	--
	20+38 GR - 21+51 GR	EDGELINE	125	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 123+35 RN	EDGELINE	--	--	--	--	2,535	--	--	--	--	--	--	--	--	--
	98+00 RN - 104+54 RN	C/L DASHED	--	--	--	--	52	--	--	--	--	--	--	--	--	--
	98+00 RN - 104+54 RN	CENTERLINE	--	--	--	--	--	1,308	--	--	--	--	--	--	--	--
	98+00 RN - 101+10 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	310	--	--	--	--
	101+10 RN - 104+70 RN	EDGELINE	--	--	--	--	360	--	--	--	--	--	--	--	--	--
	101+73 RN - 104+54 RN	CENTERLINE	--	--	--	--	--	562	--	--	--	--	--	--	--	--
	104+54 RN	STOP BAR	--	--	--	--	--	--	11	--	--	--	--	--	--	--
	105+73 RN	STOP BAR	--	--	--	--	--	--	--	33	--	--	--	--	--	--
	105+73 RN - 122+55 RN	C/L DASHED	--	--	--	--	135	--	--	--	--	--	--	--	--	--
	105+73 RN - 122+68 RN	CENTERLINE	--	--	--	--	--	3,390	--	--	--	--	--	--	--	--
	105+73 RN - 108+48 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	275	--	--	--	--
	105+00 RN - 123+47 RN	EDGELINE	--	--	--	--	1,875	--	--	--	--	--	--	--	--	--
	106+07 RN	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	107+07 RN	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
	108+17 RN	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	108+58 RN - 116+69 RN	CENTERLINE	--	--	--	--	--	1,623	--	--	--	--	--	--	--	--
	119+25 RN	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	120+80 RN	ONLY	--	--	--	--	--	--	--	--	--	--	--	1	--	--
	122+15 RN	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	116+80 RN - 122+68 RN	CHANNELIZING	--	--	--	--	--	--	--	--	110	480	--	--	--	--
	122+68 RN	STOP BAR	--	--	--	--	--	--	22	--	--	--	--	--	--	--
	124+36 RN - 127+47 RN	EDGELINE	--	--	--	--	311	--	--	--	--	--	--	--	--	--
	124+36 RN	STOP BAR	--	--	--	--	--	--	--	22	--	--	--	--	--	--
	124+36 RN - 127+98 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	362	--	--	--	--
	124+36 RN - 127+98 RN	CENTERLINE	--	--	--	--	--	724	--	--	--	--	--	--	--	--
	124+36 RN - 126+89 RN	CENTERLINE	--	--	--	--	--	506	--	--	--	--	--	--	--	--
	124+72 RN - 133+21 RN	EDGELINE	--	--	--	--	849	--	--	--	--	--	--	--	--	--
	124+62 RN	ARROW	--	--	--	--	--	--	--	--	--	--	--	--	1	--
	125+92 RN	ONLY	--	--	--	--	--	--	--	--	--	--	--	--	--	1
	127+12 RN	ARROW	--	--	--	--	--	--	--	--	--	--	--	--	1	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TEMPORARY PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	647.0955 REMOVING PAVEMENT MARKINGS ARROWS EACH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0801 TEMPORARY P. M. REMOVABLE TAPE 8-INCH LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF	649.1802 TEMPORARY PAVEMENT MARKING ARROWS PAINT EACH	649.2002 TEMPORARY PAVEMENT MARKING WORDS PAINT EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE EACH
CAT 0010																
	126+98 RN - 127+98 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	100	--	--	--	--
	127+98 RN - 130+75 RN	CENTERLINE	--	--	--	370	--	560	--	--	--	--	--	--	--	--
	130+75 RN - 133+21 RN	CENTERLINE	--	--	--	492	--	--	--	--	--	--	--	--	--	--
	128+90 RN - 133+21 RN	EDGELINE	--	--	431	--	--	--	--	--	--	--	--	--	--	--
	128+90 RN - 130+44 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	154	--	--	--	--
	128+90 RN - 131+25 RN	CENTERLINE	--	--	--	--	470	--	--	--	--	--	--	--	--	--
	183+60 F - 186+65 F	EDGELINE	--	--	--	--	305	--	--	--	--	--	--	--	--	--
	185+69 F - 186+69 F	CHANNELIZING	--	--	--	--	--	--	--	--	--	100	--	--	--	--
	186+69 F - 190+95 F	EDGELINE	--	--	--	--	--	426	--	--	--	--	--	--	--	--
	189+49 FA - 190+33 FA	EDGELINE	--	--	--	--	84	--	--	--	--	--	--	--	--	--
	189+65 FA - 189+95 FA	EDGELINE	--	--	--	--	55	--	--	--	--	--	--	--	--	--
	122+67 RN - 123+88 RN	DOTTED	--	--	38	--	--	--	--	--	--	--	--	--	--	--
	122+67 RN - 123+65 RN	DOTTED	--	--	--	26	--	--	--	--	--	--	--	--	--	--
	122+67 RN - 123+54 RN	DOTTED	--	--	--	16	--	--	--	--	--	--	--	--	--	--
	203+00 GY	STOP BAR	--	--	--	--	--	--	58	--	--	--	--	--	--	--
	203+30 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	203+30 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	205+56 GY	ARROW	--	--	--	--	--	--	--	--	--	--	1	--	--	--
	202+82 GY - 203+30 GY	RT EDGELINE	--	--	--	--	114	--	--	--	--	--	--	--	--	--
	202+82 GY - 203+30 GY	LT EDGELINE	--	--	--	--	--	73	--	--	--	--	--	--	--	--
	208+50 HX - 208+68 HX	RT EDGELINE	--	--	--	--	150	--	--	--	--	--	--	--	--	--
	206+64 HX - 208+68 HX	LT EDGELINE	--	--	--	--	60	136	--	--	--	--	--	--	--	--
	19+60 TG - 22+20 TG	EDGELINE	--	--	--	--	370	--	--	--	--	--	--	--	--	--
	20+05 TG - 22+35 TG	EDGELINE	--	--	--	--	295	--	--	--	--	--	--	--	--	--
	20+20 TG - 22+06 TG	CENTERLINE	--	--	--	--	--	372	--	--	--	--	--	--	--	--
	22+06 TG	STOP BAR	--	--	--	--	--	--	20	--	--	--	--	--	--	--
STAGE 3B			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	104+15 RN - 104+86 RN	EDGELINE	71	--	--	--	--	--	--	--	--	--	--	--	--	--
	115+24 RN - 117+61 RN	EDGELINE	237	--	--	--	--	--	--	--	--	--	--	--	--	--
	197+00 H - 198+40 H	RT EDGELINE	140	--	--	--	--	--	--	--	--	--	--	--	--	--
	197+00 H - 198+70 H	LT EDGELINE	180	--	--	--	--	--	--	--	--	--	--	--	--	--
	111+71 RN - 116+21 RN	CENTERLINE	900	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+24 RN - 117+61 RN	C/L DASHED	11	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+21 RN - 117+61 RN	CENTERLINE	280	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+21 RN - 118+95 RN	CENTERLINE	548	--	--	--	--	--	--	--	--	--	--	--	--	--
	118+95 RN - 122+68 RN	CHANNELIZING	746	--	--	--	--	--	--	--	--	--	--	--	--	--
	116+82 RN - 118+02 RN	EDGELINE	120	--	--	--	--	--	--	--	--	--	--	--	--	--
	122+68 RN	STOP BAR	110	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+50 RN - 129+44 RN	EDGELINE	94	--	--	--	--	--	--	--	--	--	--	--	--	--
	128+90 RN - 129+44 RN	CHANNELIZING	108	--	--	--	--	--	--	--	--	--	--	--	--	--
	19+75 UG - 20+00 UG	EDGELINE	110	--	--	--	--	--	--	--	--	--	--	--	--	--
	190+10 E - 190+70 E	RT EDGELINE	--	--	92	--	--	--	--	--	--	--	--	--	--	--
	190+21 E - 190+84 E	LT EDGELINE	--	--	--	63	--	--	--	--	--	--	--	--	--	--
	199+59 H - 201+86 H	RT EDGELINE	--	--	253	--	--	--	--	--	--	--	--	--	--	--
	200+69 H - 201+45 H	LT EDGELINE	--	--	190	40	--	--	--	--	--	--	--	--	--	--
	116+21 RN - 117+06 RN	DOTTED	--	--	24	--	--	--	--	--	--	--	--	--	--	--
	190+70 E	STOP BAR	--	--	--	--	--	--	--	34	--	--	--	--	--	--
	116+21 RN	STOP BAR	--	--	--	--	--	--	22	--	--	--	--	--	--	--
	199+85 G	STOP BAR	--	--	--	--	--	--	--	70	--	--	--	--	--	--
	117+61 RN	STOP BAR	--	--	--	--	--	--	--	22	--	--	--	--	--	--
	117+61 RN - 121+11 RN	CHANNELIZING	--	--	--	--	--	--	--	--	--	350	--	--	--	--
	117+87 RN	ARROW	--	--	--	--	--	--	--	--	--	--	--	--	1	--
	119+37 RN	ONLY	--	--	--	--	--	--	--	--	--	--	--	--	--	1
	120+77 RN	ARROW	--	--	--	--	--	--	--	--	--	--	--	--	1	--
	121+11 RN - 122+11 RN	EDGELINE	--	--	100	--	--	--	--	--	--	--	--	--	--	--
	122+11 RN - 128+02 RN	EDGELINE	--	--	591	--	--	--	--	--	--	--	--	--	--	--
	117+61 RN - 124+36 RN	CENTERLINE	--	--	--	--	--	675	--	--	--	--	--	--	--	--
	117+61 RN - 124+36 RN	CENTERLINE	--	--	--	--	--	675	--	--	--	--	--	--	--	--
	182+50 E - 184+25 E	CHANNELIZING	350	--	--	--	--	--	--	--	--	--	--	--	--	--
	182+50 E - 184+00 E	EDGELINE	150	--	--	--	--	--	--	--	--	--	--	--	--	--
	211+00 G - 212+75 G	EDGELINE	175	--	--	--	--	--	--	--	--	--	--	--	--	--
	210+50 G - 212+00 G	EDGELINE	150	--	--	--	--	--	--	--	--	--	--	--	--	--
	212+00 G - 212+75 G	CHANNELIZING	150	--	--	--	--	--	--	--	--	--	--	--	--	--

CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKING

	STATION - STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	647.0955 REMOVING PAVEMENT MARKINGS ARROWS EACH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0801 TEMPORARY P. M. REMOVABLE TAPE 8-INCH LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF	649.1802 TEMPORARY PAVEMENT MARKING ARROWS PAINT EACH	649.2002 TEMPORARY PAVEMENT MARKING WORDS PAINT EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE EACH
CAT 0010																
STAGE 4			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 123+35 RN	EDGELINE	2,535	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 104+54 RN	C/L DASHED	52	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+73 RN - 122+55 RN	C/L DASHED	135	--	--	--	--	--	--	--	--	--	--	--	--	--
	124+36 RN - 127+47 RN	EDGELINE	311	--	--	--	--	--	--	--	--	--	--	--	--	--
	101+73 RN - 104+54 RN	CENTERLINE	562	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+73 RN - 108+48 RN	CHANNELIZING	550	--	--	--	--	--	--	--	--	--	--	--	--	--
	108+58 RN - 112+70 RN	CENTERLINE	824	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+61 RN - 121+11 RN	CHANNELIZING	700	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+61 RN - 126+98 RN	CENTERLINE	1,874	--	--	--	--	--	--	--	--	--	--	--	--	--
	129+44 RN - 130+44 RN	CHANNELIZING	200	--	--	--	--	--	--	--	--	--	--	--	--	--
	105+53 RS - 108+15 RS	CHANNELIZING	--	--	--	--	--	--	--	--	262	--	--	--	--	--
	108+15 RS - 110+18 RS	EDGELINE	--	--	--	203	--	--	--	--	--	--	--	--	--	--
STAGE 5A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 102+50 RN	CENTERLINE	900	--	--	--	--	--	--	--	--	--	--	--	--	--
	189+49 FA - 190+33 FA	EDGELINE	84	--	--	--	--	--	--	--	--	--	--	--	--	--
	112+25 RN - 116+21 RN	CENTERLINE	792	--	--	--	--	--	--	--	--	--	--	--	--	--
	117+61 RN - 118+25 RN	CENTERLINE	128	--	--	--	--	--	--	--	--	--	--	--	--	--
	126+50 RN - 127+91 RN	CENTERLINE	282	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 5B			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	98+00 RN - 101+10 RN	CHANNELIZING	820	--	--	--	--	--	--	--	--	--	--	--	--	--
	186+69 F - 190+95 F	EDGELINE	426	--	--	--	--	--	--	--	--	--	--	--	--	--
1071-06-83 TOTAL			**32,736**	**4**	**3,387**		**45,340**		**401**	**181**	**420**	**5,185**	**25**	**9**	**4**	**2**
PROJECT NO: 7190-03-72																
STAGE 1A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	148+00 RS -151+00 RS	EDGELINE	--	--	300	--	--	--	--	--	--	--	--	--	--	--
	148+00 RS -151+00 RS	C/L DASHED	75	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 1B			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	148+00 RS -151+00 RS	EDGELINE	--	--	300	--	--	--	--	--	--	--	--	--	--	--
	148+00 RS -151+00 RS	EDGELINE	300	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 1C			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	133+36 RS - 135+18 RS	EDGELINE	--	--	--	--	182	--	--	--	--	--	--	--	--	--
	133+36 RS - 143+85 RS	CENTERLINE	--	--	--	--	--	2,098	--	--	--	--	--	--	--	--
	133+36 RS - 147+23 RS	EDGELINE	--	--	--	--	1,390	--	--	--	--	--	--	--	--	--
	143+85 RS - 148+00 RS	EDGELINE	--	--	--	--	--	415	--	--	--	--	--	--	--	--
	143+80 RW - 147+21 RW	EDGELINE	--	--	--	--	--	341	--	--	--	--	--	--	--	--
STAGE 3A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	135+82 RS - 143+00 RS	EDGELINE	718	--	--	--	--	--	--	--	--	--	--	--	--	--
	134+00 RS -136+20 RS	CENTERLINE	440	--	--	--	--	--	--	--	--	--	--	--	--	--
	145+80 RN -147+24 RN	EDGELINE	144	--	--	--	--	--	--	--	--	--	--	--	--	--
	133+21 RN - 134+14 RN	EDGELINE	--	--	--	--	93	--	--	--	--	--	--	--	--	--
	133+23 RY - 135+81 RY	RT EDGELINE	--	--	258	--	--	--	--	--	--	--	--	--	--	--
	133+23 RY - 135+81 RY	LT EDGELINE	--	--	--	346	--	--	--	--	--	--	--	--	--	--
	133+21 RN - 134+14 RN	CENTERLINE	--	--	--	186	--	--	--	--	--	--	--	--	--	--
STAGE 5A			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	136+19 RS - 147+75 RS	EDGELINE	1,156	--	--	--	--	--	--	--	--	--	--	--	--	--
7190-03-72 TOTAL			**2,833**	**--**	**1,390**		**4,519**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
CONSTRUCTION TOTAL			**39,919**	**5**	**5,177**		**64,209**		**591**	**181**	**1,290**	**6,390**	**31**	**12**	**11**	**6**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONDUIT RIGID NONMETALLIC SCHEDULE 40 AND ELECTRICAL WIRE LIGHTING

FROM	-	TO	652.0205 3/4-INCH LF	652.0225 2-INCH LF	655.0620 8 AWG LF
PROJECT NO: 1071-06-83 CATEGORY 0040					
LC2	-	PB315	-	-	93
PB315	-	PB316	-	-	168
PB316	-	LPB-1	-	10	333
LPB-1	-	L-1	-	10	48
L-1	-	L-2	-	116	366
L-2	-	LPB-2	-	85	455
LPB-2	-	DB1	37	-	129
DB1	-	DB2	42	-	144
DB2	-	DB3	80	-	258
DB3	-	STUB	5	-	-
LPB-2	-	DB4	54	-	180
DB4	-	DB5	50	-	168
DB5	-	DB6	50	-	168
DB7	-	STUB	-	-	-
1071-06-83 CATEGORY 0040 TOTAL			**318**	**221**	**2510**
CONSTRUCTION TOTAL			**318**	**221**	**2510**

DECORATIVE LIGHTING UNITS, BOLLARDS,CONCRETE BASES, AND ELECTRICAL WIRE LIGHTING

UNIT NUMBER	STATION	OFFSET	SPV.0600.26 DECORATIVE LIGHTING UNIT 20-FOOT EACH	SPV.0600.27 DECORATIVE BOLLARD EACH	SPV.0600.28 CONCRETE BOLLARD BASE EACH	654.0105 CONCRETE BASES TYPE 5 EACH	655.0610 12 AWG LF
PROJECT NO: 1071-06-83 CATEGORY 0040							
L1	88+04.4'RS'	115.1' LT	1	-	-	1	96
L2	88+93.0'RS'	115.3' LT	1	-	-	1	96
DB1	89+82.7'RS'	114.5' LT	-	1	1	-	30
DB2	90+13.1'RS'	106.4' LT	-	1	1	-	30
DB3	90+58.8'RS'	98.4' LT	-	1	1	-	30
DB4	89+74.9'RS'	82.2' LT	-	1	1	-	30
DB5	90+07.0'RS'	66.2' LT	-	1	1	-	30
DB6	90+43.2'RS'	73.2' LT	-	1	1	-	30
1071-06-83 CATEGORY 0040 TOTAL			**2**	**6**	**6**	**2**	**372**
CONSTRUCTION TOTAL			**2**	**6**	**6**	**2**	**372**

PULL BOXES STEEL 24X42-INCH

UNIT NUMBER	STATION	OFFSET	LOCATION	653.0140 PULL BOXES STEET 24x42-INCH EACH
PROJECT NO: 1071-06-83 CATEGORY 0040				
LPB-1	87+93.5 RS	114.9' LT	RS1	1
LPB-2	89+54.7 RS	117.1' LT	RS1	1
1071-06-83 CATEGORY				**2**
CONSTRUCTION TOTAL				**2**

TEMPORARY NON-INTRUSIVE VEHICLE DETECTION SYSTEM FOR INTERSECTIONS

STATION	LOCATION	SPV.0105 LS
PROJECT NO: 1071-06-82		
	41. ROSE STREET AND PALACE STREET	1
	42. ROSE STREET AND GEORGE STREET	1
	43. STH 35 AND GEORGE STREET	1
PROJECT NO: 1071-06-83		
	44. ROSE STREET AND I-90 EASTBOUND RAMPS (SETUP 1)	1
	45. ROSE STREET AND I-90 EASTBOUND RAMPS (SETUP 2)	1
	46. ROSE STREET AND I-90 WESTBOUND RAMPS (SETUP 1)	1
	47. ROSE STREET AND I-90 WESTBOUND RAMPS (SETUP 2)	1
	48. ROSE STREET AND I-90 WESTBOUND RAMPS (SETUP 3)	1

LANDSCAPING IRRIGATION SYSTEM

STATION	LOCATION	SPV.0105.23 LS
PROJECT NO: 1071-06-83 CATEGORY 0040		
	EAGLE VIEWING AREA	1

CATEGORY 0010 UNLESS OTHERWISE NOTED

SAWING

	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CAT 0010				
PROJECT ID : 1071-06-82				
ROSE STREET				
	53+32 - 53+46 RN	RT/LT	--	159
	54+52 - 54+84 RS	LT	219	--
	57+56 - 57+68 RS	LT	13	--
	72+54 - 72+89 RN	RT	52	--
	84+31 - 84+89 RN	RT	177	13
	89+40 - 89+76 RN	RT	--	36
	91+69 - 92+04 RN	RT	--	36
	98+00 RS	LT	16	24
	98+00 RN	RT	8	35
W. GEORGE STREET				
	145+42 WG	RT/LT	61	30
	152+00 - 154+60 WG	RT	230	--
	153+50 - 153+79 WG	RT	--	29
	154+61 - 154+91 WG	RT	30	--
	155+00 - 156+00 WG	LT	100	--
	155+00 - 156+85 WG	LT	185	--
	155+90 - 156+20 WG	RT	--	30
MOORE STREET				
	10+96 - 11+23 MS	RT	26	3
	12+00 MS	RT/LT	36	4
PALACE STREET				
	11+76 - 12+19 PS	RT	45	3
	11+85 - 12+36 PS	LT	40	--
	12+50 PS	RT/LT	--	45
	13+73 - 13+74 PS	LT	--	6
GEORGE STREET				
	5+60 - 6+51 GS	RT/LT	255	--
	11+82 - 12+02 GS	RT	--	20
	12+03 - 12+33 GS	LT	--	30
	13+44 - 13+74 GS	LT	25	6
	13+57 - 14+02 GS	RT	56	6
	15+33 GS	RT/LT	32	6
	SIDEWALK	RT/LT	--	125
ACCESS ROAD				
	14+23 - 14+58 AR	RT	75	--
	14+84 - 15+72 AR	RT	90	--
	16+59 - 16+91 AR	RT	40	--
	18+38 - 18+62 AR	LT	24	--
	17+90 - 19+70 AR	LT	190	--
	18+50 - 19+45 AR	RT	95	--
CAMPBELL STREET				
	10+65 GS	RT/LT	32	18
SALEM ROAD				
	13+68 - 14+02 GS	RT	25	4

SAWING

	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CAT 0010				
STAGE 1A				
	67+50 - 75+50 RS	LT	820	--
	71+95 - 72+05 RS	LT	--	107
	80+50 - 80+60 RS	LT	--	81
	85+50 - 85+70 RS	RT/LT	--	73
	85+63 - 98+00 RS	LT	1,240	--
	86+50 - 87+50 RN	RT	--	100
	151+00 - 152+00 WG	RT	--	65
STAGE 1B				
	53+50 - 58+00 RN	LT	470	--
	70+00 - 71+40 RS	LT	--	300
	82+60 - 86+50 RN	LT	250	--
	87+50-90+50 RS	LT	--	700
	95+00 - 98+00 RS	LT	300	--
	145+42 - 157+00 WG	LT	--	1,158
STAGE 2				
	149+00 - 151+50 WG	LT	--	150
	92+50 - 95+50 RS	LT	300	--
STAGE 4				
	88+00 - 98+00 RN	RT	1,000	--
1071-06-82 TOTAL			**6,557**	**3,402**
PROJECT NO: 1071-06-83				
STAGE 1A				
		LT SHOULDER	5	--
		RT SHOULDER	8	--
		RT SHOULDER	8	--
		LT SHOULDER	8	--
		RT SHOULDER	7	--
		LT SHOULDER	5	--
		LT SHOULDER	3	--
		RT CURB	--	3
		RT CURB	--	3
		RT SHOULDER	8	--
		RT SHOULDER	8	--
		LT CURB	--	3
		LT SHOULDER	8	--
STAGE 1A SUBTOTAL			**68**	**9**
STAGE 1B				
		LT TURN LANE	4	20
		LT TURN LANE	--	18
		RT SHOULDER	6	--
		LT SHOULDER	5	--
	204+08 HX	RT SHOULDER	6	--
	207+35 HX	RT SHOULDER	5	--
		LT SHOULDER	6	--
STAGE 1B SUBTOTAL			**32**	**38**

SAWING

	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CAT 0010				
STAGE 1C				
		RT SHOULDER	8	--
STAGE 1C SUBTOTAL			**8**	**--**
STAGE 2A				
		RAMP	11	16
		NB LANES	11	24
		LT TURN LANE	--	30
		RAMP	8	15
STAGE 2A SUBTOTAL			**30**	**85**
STAGE 3A				
		MEDIAN	39	--
		SB LANES	--	60
		WB LANES	24	--
			--	--
STAGE 3A SUBTOTAL			**63**	**60**
STAGE 3B				
		EB LANES	95	3
			--	--
STAGE 3B SUBTOTAL			**95**	**3**
STAGE 5A				
		WB LANES	80	--
			--	--
			--	--
			--	--
STAGE 5A SUBTOTAL			**80**	**--**
1071-06-83 TOTAL			**376**	**195**
PROJECT NO: 7190-03-72				
STAGE 1B				
		RT SHOULDER	3	--
STAGE 1B SUBTOTAL			**3**	**--**
7190-03-72 TOTAL			**3**	**--**
CONSTRUCTION TOTAL			**6,936**	**3,597**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING SANITARY SEWER

MH TO MH	SPV.0090.73 LF
CAT 0010	
PROJECT ID : 1071-06-89	
MH 1 - EX MH 205A	158
EX MH 205A - MH 4	60
1071-06-89 TOTAL	218
CONSTRUCTION TOTAL	218

SANITARY MANHOLES

STATION	LOCATION	SPV.0200.01 SANITARY MANHOLES 5-FT DIAMETER VF	SPV.0060.32 SANITARY MANHOLE COVERS EACH
CAT 0010			
PROJECT ID : 1071-06-89			
202+32.6 G	114.1' LT	6.5	1
202+65.2 G	91.9' LT	7.0	1
202+80.7 G	65.4' RT	13.5	1
202+60.5 G	92.4' RT	16.0	1
1071-06-89 TOTAL		43.0	4
CONSTRUCTION TOTAL		43.0	4

SANITARY SEWER PIPE RCP 36-INCH

MH TO MH	SPV.0090.78 LF
CAT 0010	
PROJECT ID : 1071-06-89	
MH1 - MH2	37
MH2 - MH3	159
MH3 - MH4	35
1071-06-89 TOTAL	231
CONSTRUCTION TOTAL	231

SANITARY SEWER BYPASS PUMPING

LOCATION	SPV.0105.53 LS
CAT 0010	
PROJECT ID : 1071-06-89	
PROJECT	1
1071-06-89 TOTAL	1
CONSTRUCTION TOTAL	1

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING SIGN BRIDGE

	LOCATION	STATION	LS
CAT 0010			
PROJECT NO: 1071-06-82			
SPV.0105	52. S-32-03	90+00 RS	1
PROJECT NO: 1071-06-83			
SPV.0105	01. S-32-18	98+53 RN	1
SPV.0105	02. S-32-21	111+10 RS	1
SPV.0105	03. S-32-19	118+13 RN	1
SPV.0105	04. S-32-20	125+13 RS	1

ADJUSTING CONSTRUCTION STAKING

	PROJECT	LS
CAT 0010		
PROJECT NO: 1071-06-82		
SPV.0105	50. 1071-06-82	1
PROJECT NO: 1071-06-83		
SPV.0105	05. 1071-06-83	1
PROJECT NO: 7190-03-72		
SPV.0105	06. 7190-03-72	1

CRACK AND DAMAGE SURVEY

	PROJECT	999.1500.S LS
CAT 0010		
PROJECT NO: 1071-06-82		
	1071-06-82	1
1071-06-82 TOTAL		1

POLYMER OVERLAY

STRUCTURE	509.5100.S POLYMER OVERLAY SY
CAT 0010	
PROJECT NO: 7190-03-72	
B-32-224	2,310
B-32-67 *	1,450
7190-03-72 TOTAL	**3,760**
CONSTRUCTION TOTAL	**3,760**

*** SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION**

CONCRETE PAVEMENT JOINT LAYOUT

	PROJECT	LS
CAT 0010		
PROJECT NO: 1071-06-82		
SPV.0105	51. 1071-06-82	1
PROJECT NO: 1071-06-83		
SPV.0105	07. 1071-06-83	1
PROJECT NO: 7190-03-72		
SPV.0105	08. 7190-03-72	1

PAINT STRUCTURE

	STRUCTURE	LS
CAT 0010		
PROJECT NO: 1071-06-82		
SPV.0105	30. S-32-50	1
SPV.0105	32. S-32-52	1
SPV.0105	38. S-32-66	1
SPV.0105	39. S-32-68	1
PROJECT NO: 1071-06-83		
SPV.0105	31. S-32-51	1
SPV.0105	33. S-32-53	1
SPV.0105	34. S-32-54	1
SPV.0105	35. S-32-55	1
SPV.0105	36. S-32-56	1
SPV.0105	37. S-32-65	1

SURFACE TREATMENTS

			SPV. 0195.03 PERMEABLE BASE AGGREGATE ASTM-57	SPV. 0195.04 PERMEABLE BASE AGGREGATE ASTM-2
	STATION	LOCATION	TON	TON
CAT 0050				
PROJECT ID : 1071-06-82				
			--	--
1071-06-82 TOTAL			**--**	**--**
CAT 0040				
PROJECT NO: 1071-06-83				
	87+00 RS - 103+00 RS	EAGLE WATCH	190	253
1071-06-83 TOTAL			**190**	**253**
PROJECT NO: 7190-03-72				
			--	--
7190-03-72 TOTAL			**--**	**--**
CONSTRUCTION TOTAL			**190**	**253**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SEAT STONES

	STATION	LOCATION	SPV 0060.14 PLAZA SEAT STONE TYPE A EA	SPV 0060.15 PLAZA SEAT STONE TYPE B EA	SPV 0060.16 PLAZA SEAT STONE TYPE C EA	SPV 0060.17 LAWN SEAT STONE TYPE A EA	SPV 0060.18 LAWN SEAT STONE TYPE B EA	SPV 0060.19 LAWN SEAT STONE TYPE C EA
CAT 0040								
PROJECT NO: 1071-06-83								
	86+00 RS - 88+00 RS	EAGLE WATCH	4	6	3	3	4	4
	101+00 RS - 102+00 RS	EAGLE WATCH	--	--	--	--	1	--
1071-06-83 TOTAL			**4**	**6**	**3**	**3**	**5**	**4**
CONSTRUCTION TOTAL			**4**	**6**	**3**	**3**	**5**	**4**

SOIL AND EDGING

	STATION	LOCATION	SPV.0035.02 PLANTING SOIL MIX CY	SPV. 0090.10 ALUMINUM EDGING LF
CAT 0050				
PROJECT ID : 1071-06-82				
	56+00 RS - 85+00 RS	MEDIAN	1,364	2,496
1071-06-82 TOTAL			**1,364**	**2,496**
CAT 0040				
PROJECT NO: 1071-06-83				
	87+00 RS - 91+00 RS	EAGLE WATCH	336	4,789
	103+00 RS - 106+00 RS	F RAMP	85	132
	103+00 RS - 106+00 RS	E RAMP	111	180
1071-06-83 TOTAL			**532**	**5,101**
CONSTRUCTION TOTAL			**1,896**	**7,597**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

PLANTINGS

	STATION	LOCATION	SPV 0060.01 MOONSHINE YARROW EA	SPV 0060.02 NODDING WILD ONION EA	SPV 0060.03 SUMMER BEAUTY GLOBE LILY EA	SPV 0060.04 SKY-BLUE ASTER EA	SPV 0060.05 BLUE WILD INDIGO EA	SPV 0060.07 BLUE WILD INDIGO PURPLE SMOKE' EA	SPV 0060.08 BROWN FOX SEDGE EA	SPV 0060.09 LANCELEAF TICKSEED EA	SPV 0060.11 PRAIRIE SPLENDOR CONEFLOWER EA
CAT 0050											
PROJECT ID : 1071-06-82	56+00 RS - 98+00 RS	MEDIAN	255	297	410	26	47	55	--	--	69
1071-06-82 TOTAL			**255**	**297**	**410**	**26**	**47**	**55**	**--**	**--**	**69**
CAT 0040											
PROJECT NO: 1071-06-83											
	98+00 RS - 136+00 RS	MEDIAN	--	--	--	--	--	--	--	--	--
	87+00 RS - 106+00 RS	EAGLE WATCH	253	400	--	123	--	--	247	783	261
	104+27 RS - 106+00 RS	F RAMP	--	--	533	--	--	--	--	--	137
	104+27 RS - 106+00 RS	E RAMP	74	340	168	--	--	--	--	72	81
1071-06-83 TOTAL			**327**	**740**	**701**	**123**	**--**	**--**	**247**	**855**	**479**
CONSTRUCTION TOTAL			**582**	**1,037**	**1,111**	**149**	**47**	**55**	**247**	**855**	**548**

	STATION	LOCATION	SPV 0060.12 ROCKET CITY DAYLILY EA	SPV 0060.13 GERMAN IRIS EA	SPV 0060.33 BLUE FLAG IRIS EA	SPV 0060.34 PRAIRIE JUNE GRASS EA	SPV 0060.35 CYLINDRICAL BLAZING STAR EA	SPV 0060.36 SPIKE GAYFEATHER EA	SPV 0060.37 YELLOW CONEFLOWER EA	SPV 0060.38 PRAIRIE DROPSEED EA	SPV 0060.39 BLUE VERVAIN EA
CAT 0050											
PROJECT ID : 1071-06-82	56+00 RS - 98+00 RS	MEDIAN	184	305	48	--	--	--	43	--	74
1071-06-82 TOTAL			**184**	**305**	**48**	**--**	**--**	**--**	**43**	**--**	**74**
CAT 0040											
PROJECT NO: 1071-06-83											
	98+00 RS - 136+00 RS	MEDIAN	--	--	--	--	--	--	--	--	--
	87+00 RS - 106+00 RS	EAGLE WATCH	--	--	200	495	166	57	312	605	199
	104+27 RS - 106+00 RS	F RAMP	--	--	--	--	--	--	253	201	--
	104+27 RS - 106+00 RS	E RAMP	--	--	--	123	--	--	258	96	64
1071-06-83 TOTAL			--	--	**200**	**618**	**166**	**57**	**823**	**902**	**163**
CONSTRUCTION TOTAL			**184**	**305**	**248**	**618**	**166**	**57**	**866**	**902**	**237**

CATEGORY 0010 UNLESS OTHERWISE NOTED

SURFACE TREATMENTS

	STATION	LOCATION	SPV. 0035.03 COLORED CONCRETE BANDS CY	SPV. 0165.13 PERMEABLE PAVERS SF	SPV. 0180.01 SPECIAL MULCHING SF	SPV. 0195.01 LIMESTONE SCREENINGS PATH TON	SPV. 0195.02 STONE SCREENINGS WITH BINDER TON
CAT 0040							
PROJECT NO: 1071-06-83							
	87+00 RS - 91+00 RS	EAGLE WATCH	15	1,384	--	49	518
	94+00 RS - 96+00 RS	EAGLE WATCH	--	374	--	--	--
	98+00 RS - 103+00 RS	EAGLE WATCH	--	--	--	2,200	--
	87+00 RS - 104+50 RS	EAGLE WATCH	--	--	14,346	--	--
1071-06-83 TOTAL			**15**	**1,758**	**14,346**	**2,249**	**518**
CONSTRUCTION TOTAL			**15**	**1,758**	**14,346**	**2,249**	**518**

LANDSCAPING STRUCTURES

	STATION	LOCATION	SPV.0105.20 SHADE STRUCTURE EA	SPV.0105.40 ENTRY SIGN EA	SPV.0090.11 STEEL RAILING LF	SPV.0165.11 MODULAR BLOCK RETAINING WALL SF
CAT 0050						
PROJECT ID : 1071-06-82						
ROSE STREET SB						
	55+02 - 56+50 RS	LT	--	--	150	--
1071-06-82 TOTAL			**--**	**--**	**150**	**--**
CAT 0040						
PROJECT NO: 1071-06-83						
	87+00 RS - 91+00 RS	EAGLE WATCH	1	1	55	--
	94+00 RS - 96+00 RS	EAGLE WATCH	--	--	--	160
1071-06-83 TOTAL			**1**	**1**	**55**	**160**
CONSTRUCTION TOTAL			**1**	**1**	**205**	**160**

LANDSCAPING FURNISHINGS

	STATION	LOCATION	SPV.0060.20 BENCH TYPE A EA	SPV.0060.21 BIKE RACK EA	SPV.0060.22 SURFACE MOUNTED TRASH RECEPTACLE EA	SPV.0060.29 SPOTTING SCOPE TYPE A EA	SPV.0060.25 SPOTTING SCOPE TYPE B EA
CAT 0040							
PROJECT NO: 1071-06-83							
	87+00 RS - 91+00 RS	EAGLE WATCH	2	3	2	2	1
	93+00 RS - 103+00 RS	EAGLE WATCH	5	--	--	--	--
1071-06-83 TOTAL			**7**	**3**	**2**	**2**	**1**
CONSTRUCTION TOTAL			**7**	**3**	**2**	**2**	**1**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

3

SEEDING MIXES

	STATION	LOCATION	SPV.0085.01 NATIVE PRAIRIE LB	SPV.0085.02 POLLINATOR MIX LB	SPV.0085.03 NO-MOW FESCUE LB
CAT 0050					
PROJECT ID : 1071-06-82					
	56+00 RS - 98+00 RS	MEDIAN	6	--	120
1071-06-82 TOTAL			**6**	**0**	**120**
CAT 0040					
PROJECT ID : 1071-06-83					
	87+00 RS - 105+00 RS	EAGLE WATCH	40	10	5
1071-06-83 TOTAL			**40**	**10**	**5**
CONSTRUCTION TOTAL			**46**	**10**	**125**

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

	LOCATION	632.9101 LANDSCAPE PLANT SURVEILLANCE AND CARE CYCLES EA
CAT 0050		
PROJECT ID : 1071-06-82	PROJECT	20
1071-06-82 TOTAL		**20**
CAT 0040		
PROJECT NO: 1071-06-83	PROJECT	20
1071-06-83 TOTAL		**20**
CONSTRUCTION TOTAL		**40**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TREES AND SHRUBS

	STATION	LOCATION	632.0101.01 TREES RIVER BIRCH B&B, 2.5" CAL. EA	632.0101.02 TREES COMMON HACKBERRY B&B, 2" CAL. EA	632.0101.03 TREES THORNLESS HAWTHORN B&B, 1.5" CAL. EA	632.0101.04 TREES SKYLINE HONEYLOCUST B&B 2.5" CAL. EA	632.0101.05 TREES SPRING SNOW CRABAPPLE B&B 1.5" CAL. EA	632.0101.06 TREES WHITE OAK B&B, 2.5" CAL. EA	632.0101.07 TREES BURR OAK B&B, 2.5" CAL. EA	632.0101.08 TREES RED OAK B&B, 2.5" CAL. EA	632.0101.09 TREES PRINCETON AMERICAN ELM B&B, 2.5" CAL. EA	632.0101.10 TREES VALLEY FORGE ELM B&B, 2.5" CAL. EA	632.0201.01 SHRUBS ISANTI DOGWOOD CG, #5 CONT. EA
CAT 0050													
PROJECT ID : 1071-06-82	56+00 RS - 98+00 RS	MEDIAN	0	3	17	0	8	8	6	3	8	0	0
1071-06-82 TOTAL			**--**	**3**	**17**	**--**	**8**	**8**	**6**	**3**	**8**	**--**	**--**
CAT 0040													
PROJECT NO: 1071-06-83													
	98+00 RS - 136+00 RS	MEDIAN	--	--	10	--	--	6	5	10	7	--	--
	87+00 RS - 106+00 RS	EAGLE WATCH	12	--	--	11	4	8	--	4	3	5	24
	104+27 RS - 106+00 RS	F RAMP	--	--	--	--	1	--	--	--	--	--	--
1071-06-83 TOTAL			**12**	**--**	**10**	**11**	**5**	**14**	**5**	**14**	**10**	5	24
CONSTRUCTION TOTAL			**12**	**3**	**27**	**11**	**13**	**22**	**11**	**17**	**18**	**5**	**24**

CATEGORY 0010
UNLESS OTHERWISE
NOTED

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Pull Boxes

Station	Dir	Location	SPV.0060.92 Pull Box Non-Conductive 24x42-Inch EACH	Description
1071-06-82 CAT 0010				
70 RN + 73	RIGHT	71	1	PB1
70 RN + 26	RIGHT	38	1	PB2
69 RN + 35	RIGHT	48	1	PB3
69 RN + 43	LEFT	4	1	PB4
67 RN + 81	LEFT	5	1	PB5
66 RN + 27	LEFT	4	1	PB6
66 RN + 25	RIGHT	35	1	PB7
69 RN + 43	LEFT	56	1	PB8
70 RN + 20	LEFT	56	1	PB9
70 RN + 67	LEFT	6	1	PB10
71 RN + 99	LEFT	8	1	PB11
73 RN + 48	LEFT	12	1	PB12
73 RN + 47	LEFT	55	1	PB13
70 RN + 90	RIGHT	60	1	PB14
86 RN + 53	LEFT	89	1	PB31
87 RN + 14	LEFT	89	1	PB32
88 RN + 84	LEFT	68	1	PB33
90 RN + 39	LEFT	68	1	PB34
87 RN + 58	LEFT	6	1	PB35
88 RN + 20	LEFT	5	1	PB36
87 RN + 20	RIGHT	44	1	PB37
87 RN + 60	RIGHT	71	1	PB38
86 RN + 19	RIGHT	64	1	PB39
85 RN + 84	LEFT	20	1	PB40
84 RN + 42	LEFT	14	1	PB41
82 RN + 98	LEFT	5	1	PB42
82 RN + 96	RIGHT	44	1	PB43
86 RN + 18	LEFT	68	1	PB44
86 RN + 48	RIGHT	277	1	PB45
152 WG + 52	LEFT	93	1	PB61
152 WG + 20	LEFT	57	1	PB62
152 WG + 35	LEFT	4	1	PB63
151 WG + 98	RIGHT	50	1	PB64
152 WG + 35	RIGHT	39	1	PB65
151 WG + 30	RIGHT	32	1	PB66
151 WG + 22	LEFT	63	1	PB67
151 WG + 99	LEFT	71	1	PB68
152 WG + 46	LEFT	99	1	PB69
152 WG + 75	LEFT	91	1	PB70
75 RN + 51	LEFT	5	1	PB201
77 RN + 52	LEFT	5	1	PB202
79 RN + 52	LEFT	5	1	PB203
81 RN + 52	LEFT	5	1	PB204
89 RN + 29	LEFT	5	1	PB205
91 RN + 45	LEFT	5	1	PB206
93 RN + 82	LEFT	4	1	PB207
95 RN + 94	LEFT	4	1	PB208
53 RN + 86	LEFT	5	1	PB230
57 RN + 75	LEFT	5	1	PB231
59 RN + 25	LEFT	5	1	PB232
62 RN + 75	LEFT	4	1	PB233
1071-06-82 CAT 0010 TOTAL			51	
1071-06-82 CAT 0040				
53 RN + 47	RIGHT	56	1	PB301
53 RN + 78	RIGHT	33	1	PB302
53 RN + 78	LEFT	54	1	PB303
58 RN + 3	RIGHT	34	1	PB304
59 RN + 2	RIGHT	35	1	PB305
69 RN + 22	RIGHT	48	1	PB306
69 RN + 19	LEFT	56	1	PB307
69 RN + 61	RIGHT	62	1	PB308
70 RN + 97	RIGHT	55	1	PB309
70 RN + 97	LEFT	56	1	PB310
85 RN + 72	RIGHT	57	1	PB311
85 RN + 74	LEFT	68	1	PB312
86 RN + 47	RIGHT	166	1	PB313
87 RN + 34	RIGHT	166	1	PB314
86 RN + 59	LEFT	98	1	PB315
87 RN + 9	LEFT	95	1	PB316
1071-06-82 CAT 0040 TOTAL			16	
1071-06-82 TOTAL			67	

Pull Boxes

Station	Dir	Location	SPV.0060.92 Pull Box Non-Conductive 24x42-Inch EACH	Description
1071-06-83				
103 RN + 92	LEFT	96	1	PB91
103 RN + 79	LEFT	214	1	PB92
102 RN + 94	LEFT	344	1	PB93
104 RN + 43	LEFT	74	1	PB94
104 RN + 95	LEFT	73	1	PB95
106 RN + 60	LEFT	68	1	PB96
108 RN + 43	LEFT	69	1	PB97
108 RN + 45	LEFT	12	1	PB98
105 RN + 54	LEFT	6	1	PB99
105 RN + 19	RIGHT	35	1	PB100
104 RN + 23	RIGHT	35	1	PB101
104 RN + 14	RIGHT	96	1	PB102
104 RN + 1	RIGHT	137	1	PB103
103 RN + 65	LEFT	5	1	PB104
102 RN + 44	LEFT	5	1	PB105
101 RN + 21	LEFT	5	1	PB106
101 RN + 22	RIGHT	29	1	PB107
103 RN + 62	LEFT	76	1	PB108
101 RN + 59	LEFT	530	1	PB109
100 RN + 31	LEFT	680	1	PB110
102 RN + 76	RIGHT	62	1	PB111
117 RN + 55	LEFT	84	1	PB121
119 RN + 3	LEFT	83	1	PB122
120 RN + 46	LEFT	79	1	PB123
120 RN + 46	LEFT	19	1	PB124
117 RN + 80	LEFT	6	1	PB125
117 RN + 36	RIGHT	34	1	PB126
117 RN + 68	RIGHT	53	1	PB127
117 RN + 72	RIGHT	166	1	PB128
118 RN + 33	RIGHT	297	1	PB129
117 RN + 82	RIGHT	328	1	PB130
116 RN + 23	RIGHT	33	1	PB131
115 RN + 93	LEFT	18	1	PB132
114 RN + 37	LEFT	17	1	PB133
113 RN + 0	LEFT	18	1	PB134
113 RN + 0	RIGHT	32	1	PB135
116 RN + 50	LEFT	85	1	PB136
117 RN + 13	LEFT	108	1	PB137
119 RN + 65	RIGHT	483	1	PB138
121 RN + 39	RIGHT	634	1	PB139
98 RN + 12	LEFT	18	1	PB209
100 RN + 24	LEFT	4	1	PB210
107 RN + 35	LEFT	5	1	PB211
110 RN + 69	LEFT	19	1	PB213
111 RN + 74	LEFT	13	1	PB214
120 RN + 13	LEFT	5	1	PB215
122 RN + 36	LEFT	5	1	PB216
124 RN + 56	LEFT	7	1	PB217
126 RN + 73	LEFT	19	1	PB218
127 RN + 88	LEFT	19	1	PB219
129 RN + 1	LEFT	19	1	PB220
131 RN + 23	LEFT	19	1	PB221
1071-06-83 TOTAL			52	
7190-03-72 CAT 0010				
133 RN + 45	LEFT	19	1	PB222
135 RN + 69	LEFT	19	1	PB223
140 RN + 10	LEFT	8	1	PB224
142 RN + 43	LEFT	5	1	PB225
144 RN + 93	LEFT	5	1	PB226
147 RN + 50	LEFT	7	1	PB227
7190-03-72 TOTAL			6	
CONSTRUCTION TOTAL			125	

Electrical Conduit

Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	652.0800 Conduit Loop Detector LF	Description
1071-06-82 CAT 0010						
66 RN + 25			-	-	60	LOOP 61P - PB7
66 RN + 27			-	-	55	LOOP 62P - PB6
73 RN + 47			-	-	55	LOOP 21P - PB13
73 RN + 48			-	-	55	LOOP 22P - PB12
90 RN + 39			-	-	55	LOOP 21G - PB34
90 RN + 39			-	-	75	LOOP 22G - PB34
82 RN + 96			-	-	55	LOOP 61G - PB43
82 RN + 98			-	-	75	LOOP 62G - PB42
82 RN + 98			-	-	50	LOOP 63G - PB42
152 WG + 35			-	-	45	LOOP 62W - PB63
152 WG + 35			-	-	65	LOOP 61W - PB65
70 RN + 86	to	70 RN + 73	-	31	-	SC1 to PB1
70 RN + 73	to	70 RN + 26	-	115	-	PB1 to PB2
70 RN + 26	to	69 RN + 35	-	183	-	PB2 to PB3
69 RN + 35	to	69 RN + 43	-	104	-	PB3 to PB4
69 RN + 43	to	69 RN + 43	-	105	-	PB4 to PB8
69 RN + 43	to	70 RN + 20	-	154	-	PB8 to PB9
70 RN + 20	to	70 RN + 67	-	137	-	PB9 to PB10
70 RN + 67	to	70 RN + 90	-	140	-	PB10 to PB14
70 RN + 90	to	70 RN + 86	-	41	-	PB14 to SC1
70 RN + 26	to	70 RN + 26	22	-	-	PB2 to SB2
70 RN + 26	to	70 RN + 42	17	-	-	PB2 to SB1
69 RN + 35	to	69 RN + 57	25	-	-	PB3 to SB3
69 RN + 43	to	69 RN + 55	13	-	-	PB4 to SB4
69 RN + 43	to	67 RN + 81	163	-	-	PB4 to PB5
67 RN + 81	to	66 RN + 27	155	-	-	PB5 to PB6
66 RN + 27	to	66 RN + 25	40	-	-	PB6 to PB7
69 RN + 43	to	69 RN + 36	8	-	-	PB8 to SB5
70 RN + 20	to	69 RN + 91	30	-	-	PB9 to SB6
70 RN + 20	to	70 RN + 43	24	-	-	PB9 to SB7
70 RN + 67	to	71 RN + 99	133	-	-	PB10 to PB11
71 RN + 99	to	73 RN + 48	150	-	-	PB11 to PB12
73 RN + 48	to	73 RN + 47	44	-	-	PB12 to PB13
86 RN + 44	to	86 RN + 53	-	20	-	SC2 to PB31
86 RN + 53	to	87 RN + 14	-	123	-	PB31 to PB32
87 RN + 14	to	87 RN + 58	-	188	-	PB32 to PB35
87 RN + 58	to	87 RN + 20	-	125	-	PB35 to PB37
87 RN + 20	to	86 RN + 19	-	207	-	PB37 to PB39
86 RN + 19	to	85 RN + 84	-	182	-	PB39 to PB40
85 RN + 84	to	86 RN + 18	-	118	-	PB40 to PB44
86 RN + 18	to	86 RN + 44	-	63	-	PB44 to SC2
86 RN + 53	to	86 RN + 58	7	-	-	PB31 to SB21
87 RN + 14	to	87 RN + 9	7	-	-	PB32 to SB22
87 RN + 14	to	87 RN + 31	26	-	-	PB32 to SB23
87 RN + 14	to	88 RN + 84	172	-	-	PB32 to PB33
88 RN + 84	to	90 RN + 39	155	-	-	PB33 to PB34
87 RN + 58	to	87 RN + 42	17	-	-	PB35 to SB24
90 RN + 39	to	87 RN + 89	258	-	-	PB34 to SB25
87 RN + 58	to	88 RN + 20	125	-	-	PB35 to PB36
88 RN + 20	to	88 RN + 28	9	-	-	PB36 to SB26
87 RN + 20	to	87 RN + 17	5	-	-	PB37 to SB27
87 RN + 20	to	87 RN + 10	18	-	-	PB37 to SB29
87 RN + 20	to	87 RN + 60	49	-	-	PB37 to PB38
87 RN + 60	to	87 RN + 55	12	-	-	PB38 to SB28
86 RN + 19	to	86 RN + 31	18	-	-	PB39 to SB30
86 RN + 19	to	86 RN + 4	16	-	-	PB39 to SB31
85 RN + 84	to	85 RN + 94	11	-	-	PB40 to SB32
85 RN + 84	to	84 RN + 42	143	-	-	PB40 to PB41
84 RN + 42	to	82 RN + 98	145	-	-	PB41 to PB42
82 RN + 98	to	82 RN + 96	49	-	-	PB42 to PB43
86 RN + 18	to	86 RN + 4	16	-	-	PB44 to SB33
152 WG + 69	to	152 WG + 52	-	35	-	SC3 to PB61
152 WG + 52	to	152 WG + 20	-	96	-	PB61 to PB62
152 WG + 20	to	151 WG + 98	-	219	-	PB62 to PB64
151 WG + 98	to	151 WG + 30	-	141	-	PB64 to PB66
151 WG + 30	to	151 WG + 22	-	190	-	PB66 to PB67
151 WG + 22	to	151 WG + 99	-	155	-	PB67 to PB68
151 WG + 99	to	152 WG + 46	-	112	-	PB68 to PB69
152 WG + 46	to	152 WG + 69	-	47	-	PB69 to SC3
152 WG + 20	to	152 WG + 15	7	-	-	PB62 to SB41
152 WG + 20	to	152 WG + 35	56	-	-	PB62 to PB63
151 WG + 98	to	152 WG + 16	19	-	-	PB64 to SB42
151 WG + 98	to	151 WG + 12	87	-	-	PB64 to SB43
151 WG + 98	to	152 WG + 35	39	-	-	PB64 to PB65
151 WG + 30	to	151 WG + 32	11	-	-	PB66 to SB44
151 WG + 30	to	151 WG + 20	11	-	-	PB66 to SB45
151 WG + 22	to	151 WG + 7	16	-	-	PB67 to SB46
151 WG + 22	to	151 WG + 31	14	-	-	PB67 to SB47
151 WG + 99	to	151 WG + 96	7	-	-	PB68 to SB48

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Electrical Conduit

Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	652.0800 Conduit Loop Detector LF	Description
1071-06-82 CAT 0010 (CONTINUED)						
70 RN + 54	to	70 RN + 67	14	-	-	CV1 to PB10
70 RN + 54	to	69 RN + 43	112	-	-	CV1 to PB4
85 RN + 91	to	85 RN + 84	8	-	-	CV2 to PB40
85 RN + 91	to	87 RN + 58	168	-	-	CV2 to PB35
86 RN + 19	to	86 RN + 48	216	-	-	PB39 to PB45
86 RN + 48	to	152 WG + 75	232	-	-	PB45 to PB70
152 WG + 75	to	152 WG + 69	9	-	-	PB70 to SC3
88 RN + 20	to	89 RN + 29	219	-	-	PB36 to PB205
89 RN + 29	to	91 RN + 45	432	-	-	PB205 to PB206
91 RN + 45	to	93 RN + 82	474	-	-	PB206 to PB207
93 RN + 82	to	95 RN + 94	424	-	-	PB207 to PB208
89 RN + 29	to	89 RN + 23	7	-	-	PB205 to LB21
91 RN + 45	to	91 RN + 38	8	-	-	PB206 to LB22
93 RN + 82	to	93 RN + 74	11	-	-	PB207 to LB23
95 RN + 94	to	95 RN + 89	9	-	-	PB208 to LB24
70 RN + 90	to	70 RN + 67	70	-	-	PB14 to PB10
85 RN + 84	to	86 RN + 18	59	-	-	PB40 to PB44
86 RN + 53	to	87 RN + 14	62	-	-	PB31 to PB32
87 RN + 14	to	87 RN + 58	94	-	-	PB32 to PB35
66 RN + 27	to	62 RN + 75	353	-	-	PB6 to PB233
62 RN + 75	to	59 RN + 25	350	-	-	PB233 to PB232
59 RN + 25	to	57 RN + 75	150	-	-	PB232 to PB231
57 RN + 75	to	53 RN + 86	389	-	-	PB231 to PB230
53 RN + 86	to	53 RN + 47	36	-	-	PB230 to PB302
95 RN + 94	to	98 RN + 12	219	-	-	PB208 to PB209
85 RN + 80			-	175	-	Electrical Service
1071-06-82 CAT 0010 TOTAL			6474	3206	645	
1071-06-82 CAT 0040						
53 RN + 50	to	53 RN + 47	28	-	-	LC3 to PB301
53 RN + 47	to	53 RN + 78	77	-	-	PB301 to PB302
53 RN + 78	to	53 RN + 78	87	-	-	PB302 to PB303
53 RN + 78	to	55 RN + 25	148	-	-	PB302 to LB101
55 RN + 25	to	56 RN + 76	151	-	-	LB101 to LB103
56 RN + 76	to	57 RN + 91	116	-	-	LB103 to LB105
57 RN + 91	to	58 RN + 3	13	-	-	LB105 to PB304
58 RN + 3	to	59 RN + 2	100	-	-	PB304 to PB305
59 RN + 2	to	59 RN + 42	41	-	-	PB305 to LB107
53 RN + 78	to	54 RN + 41	64	-	-	PB303 to LB100
54 RN + 41	to	55 RN + 84	144	-	-	LB100 to LB102
55 RN + 84	to	57 RN + 41	157	-	-	LB102 to LB104
57 RN + 41	to	58 RN + 96	156	-	-	LB104 to LB106
70 RN + 93	to	70 RN + 97	36	-	-	LC1 to PB309
70 RN + 97	to	69 RN + 61	137	-	-	PB309 to PB308
69 RN + 61	to	69 RN + 22	42	-	-	PB308 to PB306
69 RN + 22	to	69 RN + 19	104	-	-	PB306 to PB307
69 RN + 22	to	68 RN + 63	60	-	-	PB306 to LB119
68 RN + 63	to	67 RN + 11	153	-	-	LB119 to LB117
67 RN + 11	to	65 RN + 59	153	-	-	LB117 to LB115
65 RN + 59	to	64 RN + 5	155	-	-	LB115 to LB113
64 RN + 5	to	62 RN + 52	154	-	-	LB113 to LB111
62 RN + 52	to	60 RN + 98	155	-	-	LB111 to LB109
69 RN + 19	to	67 RN + 93	127	-	-	PB307 to LB118
67 RN + 93	to	66 RN + 45	149	-	-	LB118 to LB116
66 RN + 45	to	64 RN + 97	149	-	-	LB116 to LB114
64 RN + 97	to	63 RN + 48	150	-	-	LB114 to LB112
63 RN + 48	to	61 RN + 99	150	-	-	LB112 to LB110
61 RN + 99	to	60 RN + 48	152	-	-	LB110 to LB108
70 RN + 97	to	70 RN + 97	111	-	-	PB309 to PB310
70 RN + 97	to	71 RN + 66	71	-	-	PB309 to LB121
71 RN + 66	to	73 RN + 15	150	-	-	LB121 to LB123
73 RN + 15	to	74 RN + 66	152	-	-	LB123 to LB125
74 RN + 66	to	76 RN + 16	151	-	-	LB125 to LB127
70 RN + 97	to	70 RN + 92	6	-	-	PB310 to LB120
70 RN + 97	to	72 RN + 43	147	-	-	PB310 to LB122
72 RN + 43	to	73 RN + 92	150	-	-	LB122 to LB124
73 RN + 92	to	75 RN + 41	149	-	-	LB124 to LB126
75 RN + 41	to	76 RN + 93	152	-	-	LB126 to LB128
86 RN + 37	to	85 RN + 74	131	-	-	LC2 to PB312
85 RN + 74	to	85 RN + 72	126	-	-	PB312 to PB311
85 RN + 74	to	84 RN + 43	132	-	-	PB312 to LB138
84 RN + 43	to	82 RN + 94	150	-	-	LB138 to LB136
82 RN + 94	to	81 RN + 42	153	-	-	LB136 to LB134
81 RN + 42	to	79 RN + 93	150	-	-	LB134 to LB132
79 RN + 93	to	78 RN + 43	150	-	-	LB132 to LB130

Electrical Conduit

Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	652.0800 Conduit Loop Detector LF	Description
1071-06-82 CAT 0040 (CONTINUED)						
85 RN + 72	to	85 RN + 19	54	-	-	PB311 to LB139
85 RN + 19	to	83 RN + 67	153	-	-	LB139 to LB137
83 RN + 67	to	82 RN + 17	151	-	-	LB137 to LB135
82 RN + 17	to	80 RN + 67	150	-	-	LB135 to LB133
80 RN + 67	to	79 RN + 17	150	-	-	LB133 to LB131
79 RN + 17	to	77 RN + 67	151	-	-	LB131 to LB129
85 RN + 72	to	86 RN + 47	133	-	-	PB311 to PB313
86 RN + 47	to	87 RN + 34	88	-	-	PB313 to PB314
86 RN + 47	to	86 RN + 47	61	-	-	PB313 to LB141
86 RN + 47	to	86 RN + 42	151	-	-	LB141 to LB143
87 RN + 34	to	87 RN + 34	5	-	-	PB314 to LB140
87 RN + 34	to	87 RN + 32	118	-	-	PB314 to LB142
87 RN + 32	to	87 RN + 32	165	-	-	LB142 to LB144
86 RN + 37	to	86 RN + 59	26	-	-	LC2 to PB315
86 RN + 59	to	87 RN + 9	51	-	-	PB315 to PB316
1071-06-82 CAT 0040 TOTAL			7146	-	-	
1071-06-82 TOTAL			13620	3206	645	
1071-06-83 CAT 0010						
108 RN + 43			-	-	55	LOOP 21EB - PB97
108 RN + 43			-	-	80	LOOP 22EB - PB97
108 RN + 45			-	-	60	LOOP 23EB - PB98
101 RN + 21			-	-	50	LOOP 62EB - PB106
101 RN + 22			-	-	50	LOOP 61EB - PB107
102 RN + 94			-	-	50	LOOP 41EB - PB93
120 RN + 46			-	-	75	LOOP 21W - PB123
120 RN + 46			-	-	70	LOOP 22W - PB124
120 RN + 46			-	-	50	LOOP 23W - PB124
118 RN + 33			-	-	75	LOOP 81W - PB129
117 RN + 82			-	-	75	LOOP 82W - PB130
117 RN + 82			-	-	55	LOOP 83W - PB130
113 RN + 0			-	-	70	LOOP 62W - PB134
113 RN + 0			-	-	55	LOOP 61W - PB135
100 RN + 31			-	-	45	LOOP 42EB - PB110
121 RN + 39			-	-	45	LOOP 84W - PB139
103 RN + 69	to	103 RN + 92	-	47	-	SC4 to PB91
103 RN + 92	to	104 RN + 43	-	111	-	PB91 to PB94
104 RN + 43	to	104 RN + 95	-	105	-	PB94 to PB95
104 RN + 95	to	105 RN + 54	-	178	-	PB95 to PB99
105 RN + 54	to	105 RN + 19	-	108	-	PB99 to PB100
105 RN + 19	to	104 RN + 23	-	193	-	PB100 to PB101
104 RN + 23	to	103 RN + 65	-	142	-	PB101 to PB104
103 RN + 65	to	103 RN + 62	-	143	-	PB104 to PB108
103 RN + 62	to	103 RN + 69	-	44	-	PB108 to SC4
103 RN + 92	to	103 RN + 85	9	-	-	PB91 to SB61
103 RN + 92	to	103 RN + 79	120	-	-	PB91 to PB92
103 RN + 79	to	102 RN + 94	155	-	-	PB92 to PB93
104 RN + 43	to	104 RN + 27	17	-	-	PB94 to SB62
104 RN + 43	to	104 RN + 39	17	-	-	PB94 to SB63
104 RN + 95	to	104 RN + 67	33	-	-	PB95 to SB64
104 RN + 95	to	105 RN + 40	46	-	-	PB95 to SB65
105 RN + 54	to	107 RN + 35	363	-	-	PB99 to PB211
107 RN + 35	to	108 RN + 45	221	-	-	PB211 to PB98
108 RN + 45	to	108 RN + 43	58	-	-	PB98 to PB97
105 RN + 54	to	105 RN + 47	8	-	-	PB99 to SB66
105 RN + 19	to	105 RN + 26	8	-	-	PB100 to SB67
104 RN + 23	to	104 RN + 63	42	-	-	PB101 to SB68
104 RN + 23	to	104 RN + 27	6	-	-	PB101 to SB72
104 RN + 23	to	104 RN + 14	-	62	-	PB101 to PB102
104 RN + 14	to	104 RN + 18	7	-	-	PB102 to SB71
104 RN + 14	to	104 RN + 1	-	43	-	PB102 to PB103
104 RN + 1	to	104 RN + 5	5	-	-	PB103 to SB70
104 RN + 1	to	104 RN + 72	76	-	-	PB103 to SB69
103 RN + 65	to	103 RN + 43	25	-	-	PB104 to SB73
103 RN + 65	to	102 RN + 44	242	-	-	PB104 to PB105
102 RN + 44	to	101 RN + 21	246	-	-	PB105 to PB106
101 RN + 21	to	101 RN + 22	68	-	-	PB106 to PB107
102 RN + 94	to	101 RN + 59	230	-	-	PB93 to PB109
101 RN + 59	to	100 RN + 31	198	-	-	PB109 to PB110
104 RN + 14	to	102 RN + 76	143	-	-	PB102 to PB111
102 RN + 76	to	102 RN + 70	7	-	-	PB111 to SB74
117 RN + 35	to	117 RN + 55	-	58	-	SC5 to PB121
117 RN + 55	to	117 RN + 80	-	165	-	PB121 to PB125
117 RN + 80	to	117 RN + 36	-	119	-	PB125 to PB126
117 RN + 36	to	116 RN + 23	-	227	-	PB126 to PB131
116 RN + 23	to	115 RN + 93	-	119	-	PB131 to PB132
115 RN + 93	to	116 RN + 50	-	176	-	PB132 to PB136
116 RN + 50	to	117 RN + 13	-	134	-	PB136 to PB137
117 RN + 13	to	117 RN + 35	-	45	-	PB137 to SC5

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Electrical Conduit

Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	652.0800 Conduit Loop Detector LF	Description
1071-06-83 CAT 0010 (CONTINUED)						
117 RN + 55	to	117 RN + 44	12	-	-	PB121 to SB81
117 RN + 55	to	119 RN + 3	149	-	-	PB121 to PB122
119 RN + 3	to	120 RN + 46	144	-	-	PB122 to PB123
120 RN + 46	to	120 RN + 46	60	-	-	PB123 to PB124
117 RN + 80	to	117 RN + 92	14	-	-	PB125 to SB82
117 RN + 36	to	117 RN + 30	7	-	-	PB126 to SB84
117 RN + 36	to	117 RN + 68	75	-	-	PB126 to PB127
117 RN + 68	to	117 RN + 75	9	-	-	PB127 to SB83
117 RN + 68	to	117 RN + 72	114	-	-	PB127 to PB128
117 RN + 72	to	118 RN + 33	145	-	-	PB128 to PB129
118 RN + 33	to	117 RN + 82	60	-	-	PB129 to PB130
116 RN + 23	to	116 RN + 75	54	-	-	PB131 to SB85
116 RN + 23	to	116 RN + 10	14	-	-	PB131 to SB86
115 RN + 93	to	115 RN + 97	5	-	-	PB132 to SB87
115 RN + 93	to	114 RN + 37	157	-	-	PB132 to PB133
114 RN + 37	to	113 RN + 0	138	-	-	PB133 to PB134
113 RN + 0	to	113 RN + 0	50	-	-	PB134 to PB135
116 RN + 50	to	116 RN + 60	11	-	-	PB136 to SB88
117 RN + 13	to	117 RN + 17	10	-	-	PB137 to SB89
118 RN + 33	to	119 RN + 65	228	-	-	PB129 to PB138
119 RN + 65	to	121 RN + 39	231	-	-	PB138 to PB139
98 RN + 12	to	100 RN + 24	425	-	-	PB209 to PB210
100 RN + 24	to	101 RN + 21	195	-	-	PB210 to PB106
108 RN + 45	to	110 RN + 69	225	-	-	PB98 to PB213
110 RN + 69	to	111 RN + 74	106	-	-	PB213 to PB214
111 RN + 74	to	113 RN + 0	253	-	-	PB214 to PB134
117 RN + 80	to	120 RN + 13	467	-	-	PB125 to PB215
120 RN + 13	to	122 RN + 36	446	-	-	PB215 to PB216
122 RN + 36	to	124 RN + 56	441	-	-	PB216 to PB217
124 RN + 56	to	126 RN + 73	435	-	-	PB217 to PB218
126 RN + 73	to	127 RN + 88	231	-	-	PB218 to PB219
127 RN + 88	to	129 RN + 1	227	-	-	PB219 to PB220
129 RN + 1	to	131 RN + 23	444	-	-	PB220 to PB221
131 RN + 23	to	133 RN + 45	445	-	-	PB221 to PB222
98 RN + 12	to	98 RN + 4	11	-	-	PB209 to LB25
100 RN + 24	to	100 RN + 19	10	-	-	PB210 to LB26
102 RN + 44	to	102 RN + 34	13	-	-	PB105 to LB27
107 RN + 35	to	107 RN + 41	7	-	-	PB211 to LB28
111 RN + 74	to	111 RN + 88	15	-	-	PB214 to LB29
114 RN + 37	to	114 RN + 18	20	-	-	PB133 to LB30
120 RN + 13	to	120 RN + 18	8	-	-	PB215 to LB31
122 RN + 36	to	122 RN + 40	8	-	-	PB216 to LB32
124 RN + 56	to	124 RN + 62	8	-	-	PB217 to LB33
126 RN + 73	to	126 RN + 84	12	-	-	PB218 to LB34
129 RN + 1	to	129 RN + 6	10	-	-	PB220 to LB35
131 RN + 23	to	131 RN + 28	10	-	-	PB221 to LB36
102 RN + 25			-	80	-	For Electrical Service
103 RN + 30			-	140	-	For Electrical Service
105 RN + 19	to	109 RN + 65	1100	-	-	For ITS Interconnect
103 RN + 65	to	103 RN + 87	24	-	-	PB104 to CV4
103 RN + 87	to	105 RN + 54	168	-	-	CV4 to PB99
115 RN + 93	to	117 RN + 65	173	-	-	PB132 to CV5
117 RN + 65	to	117 RN + 80	17	-	-	CV5 to PB125
1071-06-83 TOTAL			9991	2439	960	
7190-03-72 CAT 0010						
133 RN + 45	to	135 RN + 69	449	-	-	PB222 to PB223
140 RN + 10	to	142 RN + 43	467	-	-	PB224 to PB225
142 RN + 43	to	144 RN + 93	500	-	-	PB225 to PB226
144 RN + 93	to	147 RN + 50	515	-	-	PB226 to PB227
133 RN + 45	to	133 RN + 50	9	-	-	PB222 to LB37
135 RN + 69	to	135 RN + 74	8	-	-	PB223 to LB38
140 RN + 10	to	139 RN + 94	17	-	-	PB224 to LB39
142 RN + 43	to	142 RN + 48	10	-	-	PB225 to LB40
144 RN + 93	to	145 RN + 02	13	-	-	PB226 to LB41
147 RN + 50	to	147 RN + 45	8	-	-	PB227 to LB42
147 RN + 50	to	149 RN + 94	245	-	-	PB227 to Existing PB14
7190-03-72 TOTAL			2241	-	-	
CONSTRUCTION TOTAL			25852	5645	1605	

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Street Light Wire

Station	to	Station	655.0610 Electrical Wire Lighting 12 AWG LF	655.0615 Electrical Wire Lighting 10 AWG LF	655.0630 Electrical Wire Lighting 4 AWG LF	655.0635 Electrical Wire Lighting 2 AWG LF	Description
1071-06-82 CAT 0010							
86 RN + 44	to	095 RN + 89	-	3213	-	-	SC2 to LB24
89 RN + 23			330	-	-	-	LB21 Up Pole
91 RN + 38			330	-	-	-	LB22 Up Pole
93 RN + 74			330	-	-	-	LB23 Up Pole
95 RN + 89			330	-	-	-	LB24 Up Pole
1071-06-82 CAT 0010 TOTAL			1320*	3213	-	-	
*Addition Quantities Shown Elsewhere in Plan							
1071-06-82 CAT 0040							
53 RN + 50	to	058 RN + 96	-	-	4026	-	LC3 to LB106
53 RN + 50	to	059 RN + 42	-	-	3972	-	LC3 to LB107
70 RN + 93	to	60 RN + 98	-	-	6342	-	LC1 to LB109
70 RN + 93	to	58 RN + 96	-	-	8184	-	LC1 to LB106
70 RN + 93	to	76 RN + 16	-	-	3312	-	LC1 to LB127
70 RN + 93	to	76 RN + 93	-	-	4536	-	LC1 to LB128
86 RN + 37	to	78 RN + 43	-	-	4866	-	LC2 to LB130
86 RN + 37	to	77 RN + 67	-	-	6186	-	LC2 to LB129
86 RN + 37	to	87 RN + 32	-	-	4596	-	LC2 to LB144
86 RN + 37	to	86 RN + 42	-	-	3462	-	LC2 to LB143
54 RN + 41			96	-	-	-	LB100 Up Pole
55 RN + 25			96	-	-	-	LB101 Up Pole
55 RN + 84			96	-	-	-	LB102 Up Pole
56 RN + 76			96	-	-	-	LB103 Up Pole
57 RN + 41			96	-	-	-	LB104 Up Pole
57 RN + 91			96	-	-	-	LB105 Up Pole
58 RN + 96			96	-	-	-	LB106 Up Pole
59 RN + 42			96	-	-	-	LB107 Up Pole
60 RN + 48			96	-	-	-	LB108 Up Pole
60 RN + 98			96	-	-	-	LB109 Up Pole
61 RN + 99			96	-	-	-	LB110 Up Pole
62 RN + 52			96	-	-	-	LB111 Up Pole
63 RN + 48			96	-	-	-	LB112 Up Pole
64 RN + 5			96	-	-	-	LB113 Up Pole
64 RN + 97			96	-	-	-	LB114 Up Pole
65 RN + 59			96	-	-	-	LB115 Up Pole
66 RN + 45			96	-	-	-	LB116 Up Pole
67 RN + 11			96	-	-	-	LB117 Up Pole
67 RN + 93			96	-	-	-	LB118 Up Pole
68 RN + 63			96	-	-	-	LB119 Up Pole
70 RN + 92			96	-	-	-	LB120 Up Pole
71 RN + 66			96	-	-	-	LB121 Up Pole
72 RN + 43			96	-	-	-	LB122 Up Pole
73 RN + 15			96	-	-	-	LB123 Up Pole
73 RN + 92			96	-	-	-	LB124 Up Pole
74 RN + 66			96	-	-	-	LB125 Up Pole
75 RN + 41			96	-	-	-	LB126 Up Pole
76 RN + 16			96	-	-	-	LB127 Up Pole
76 RN + 93			96	-	-	-	LB128 Up Pole
77 RN + 67			96	-	-	-	LB129 Up Pole
78 RN + 43			96	-	-	-	LB130 Up Pole
79 RN + 17			96	-	-	-	LB131 Up Pole
79 RN + 93			96	-	-	-	LB132 Up Pole
80 RN + 67			96	-	-	-	LB133 Up Pole
81 RN + 42			96	-	-	-	LB134 Up Pole
82 RN + 17			96	-	-	-	LB135 Up Pole
82 RN + 94			96	-	-	-	LB136 Up Pole
83 RN + 67			96	-	-	-	LB137 Up Pole
84 RN + 43			96	-	-	-	LB138 Up Pole
85 RN + 19			96	-	-	-	LB139 Up Pole
87 RN + 34			96	-	-	-	LB140 Up Pole
86 RN + 47			96	-	-	-	LB141 Up Pole
87 RN + 32			96	-	-	-	LB142 Up Pole
86 RN + 42			96	-	-	-	LB143 Up Pole
87 RN + 32			96	-	-	-	LB144 Up Pole
1071-06-82 CAT 0040 TOTAL			4320	-	49482	-	
1071-06-82 TOTAL			5640*	3213	49482	-	
*Additional Quantities Shown Elsewhere in Plan							

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Street Light Wire

Station	to	Station	655.0610 Electrical Wire Lighting 12 AWG LF	655.0615 Electrical Wire Lighting 10 AWG LF	655.0630 Electrical Wire Lighting 4 AWG LF	655.0635 Electrical Wire Lighting 2 AWG LF	Description
1071-06-83 CAT 0010							
103 RN + 69	to	98 RN + 4	-	2379	-	-	SC4 to LB25
103 RN + 69	to	107 RN + 41	1404	-	-	-	SC4 to LB28
117 RN + 35	to	111 RN + 88	2196	-	-	-	SC5 to LB29
117 RN + 35	to	124 RN + 69	-	-	-	2775	SC5 to PB217
124 RN + 69	to	135 RN + 74	-	-	-	3141	PB217 to PB222
98 RN + 04			330	-	-	-	LB25 Up Pole
100 RN + 19			330	-	-	-	LB26 Up Pole
102 RN + 34			330	-	-	-	LB27 Up Pole
107 RN + 41			330	-	-	-	LB28 Up Pole
111 RN + 88			330	-	-	-	LB29 Up Pole
114 RN + 18			330	-	-	-	LB30 Up Pole
120 RN + 18			330	-	-	-	LB31 Up Pole
122 RN + 40			330	-	-	-	LB32 Up Pole
124 RN + 62			330	-	-	-	LB33 Up Pole
126 RN + 84			330	-	-	-	LB34 Up Pole
129 RN + 06			330	-	-	-	LB35 Up Pole
131 RN + 28			330	-	-	-	LB36 Up Pole
1071-06-83 TOTAL			7560*	2379	-	5916	
*Additional Quantities Shown Elsewhere in Plan							
7190-03-72 CAT 0010							
133 RN + 45	to	135 RN + 74	-	-	-	843	PB222 to LB38
154 RN + 35	to	144 RN + 93	-	-	3585	-	Existing SC6 to PB226
144 RN + 93	to	139 RN + 94	-	-	1683	-	PB226 to LB39
133 RN + 50			330	-	-	-	LB37 Up Pole
135 RN + 74			330	-	-	-	LB38 Up Pole
139 RN + 94			330	-	-	-	LB39 Up Pole
142 RN + 48			330	-	-	-	LB40 Up Pole
145 RN + 02			330	-	-	-	LB41 Up Pole
147 RN + 45			330	-	-	-	LB42 Up Pole
152 RN + 40			330	-	-	-	LB109 Up Pole
149 RN + 90			330	-	-	-	LB119 Up Pole
7190-03-72 TOTAL			2640*	-	5268	843	
*Additional Quantities Shown Elsewhere in Plan							
CONSTRUCTION TOTAL			15840*	5592	54750	6759	
*Additional Quantities Shown Elsewhere in Plan							

Signal Wire

Station	to	Station	655.0210 Cable Traffic Signal 3-14 AWG LF	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0240 Cable Traffic Signal 7-14 AWG LF	655.0250 Cable Traffic Signal 9-14 AWG LF	655.0260 Cable Traffic Signal 12-14 AWG LF	655.0305 Cable Type UF 2-12 AWG Grounded LF	655.0610 Electrical Wire Traffic Lighting 12 AWG LF	655.0700 Loop Dectector Lead in Cable LF	655.0800 Loop Detector Wire LF	Description
1071-06-82 CAT 0010												
66 RN + 25			-	-	-	-	-	-	-	-	190	LOOP 61P - PB7
66 RN + 27			-	-	-	-	-	-	-	-	175	LOOP 62P - PB6
73 RN + 47			-	-	-	-	-	-	-	-	175	LOOP 21P - PB13
73 RN + 48			-	-	-	-	-	-	-	-	175	LOOP 22P - PB12
90 RN + 39			-	-	-	-	-	-	-	-	175	LOOP 21G - PB34
90 RN + 39			-	-	-	-	-	-	-	-	235	LOOP 22G - PB34
82 RN + 96			-	-	-	-	-	-	-	-	175	LOOP 61G - PB43
82 RN + 98			-	-	-	-	-	-	-	-	235	LOOP 62G - PB42
82 RN + 98			-	-	-	-	-	-	-	-	160	LOOP 63G - PB42
152 WG + 35			-	-	-	-	-	-	-	-	145	LOOP 62W - PB63
152 WG + 35			-	-	-	-	-	-	-	-	205	LOOP 61W - PB65
70 RN + 42			15	104	-	-	-	-	159	-	-	SB1 - Up Pole
70 RN + 26			15	18	-	-	-	-	-	-	-	SB2 - Up Pole
69 RN + 57			15	-	-	-	-	-	-	-	-	SB3 - Up Pole
69 RN + 55			-	20	-	-	-	-	300	-	-	SB4 - Up Pole
69 RN + 36			-	130	-	-	-	-	-	-	-	SB5 - Up Pole
69 RN + 91			-	18	-	-	-	-	-	-	-	SB6 - Up Pole
70 RN + 43			15	20	-	-	-	-	150	-	-	SB7 - Up Pole
86 RN + 58			15	40	-	-	-	-	-	-	-	SB21 - Up Pole
87 RN + 9			15	-	-	-	-	-	159	-	-	SB22 - Up Pole
87 RN + 31			15	36	-	-	-	-	-	-	-	SB23 - Up Pole
87 RN + 42			-	20	-	-	-	-	300	-	-	SB24 - Up Pole
87 RN + 89			-	18	-	-	-	-	-	-	-	SB25 - Up Pole
88 RN + 28			-	18	-	-	-	-	-	-	-	SB26 - Up Pole
87 RN + 17			15	260	-	-	-	-	-	-	-	SB27 - Up Pole
87 RN + 55			15	20	-	-	-	-	150	-	-	SB28 - Up Pole
87 RN + 10			15	18	-	-	-	-		-	-	SB29 - Up Pole
86 RN + 31			15	134	-	-	-	-	159	-	-	SB30 - Up Pole
86 RN + 4			15	18	-	-	-	-		-	-	SB31 - Up Pole
85 RN + 94			-	20	-	-	-	-	300	-	-	SB32 - Up Pole
86 RN + 4			15	260	-	-	-	-	-	-	-	SB33 - Up Pole
152 WG + 14			15	40	-	-	-	-	-	-	-	SB41 - Up Pole
152 WG + 16			15	130	-	-	-	-	159	-	-	SB42 - Up Pole
151 WG + 12			15	36	-	-	-	-	-	-	-	SB43 - Up Pole
151 WG + 32			15	20	-	-	-	-	150	-	-	SB44 - Up Pole
151 WG + 20			15	40	-	-	-	-	-	-	-	SB45 - Up Pole
151 WG + 7			15	120	-	-	-	-	159	-	-	SB46 - Up Pole
151 WG + 31			15	36	-	-	-	-	-	-	-	SB47 - Up Pole
151 WG + 95			15	20	-	-	-	-	150	-	-	SB48 - Up Pole
070 RN + 86	to	070 RN + 42	-	-	-	122	-	-	-	-	-	SC1 to SB1
070 RN + 86	to	070 RN + 26	-	-	-	127	-	-	-	-	-	SC1 to SB2
070 RN + 86	to	069 RN + 57	-	-	232	-	-	-	-	-	-	SC1 to SB3
070 RN + 86	to	069 RN + 55	-	-	-	282	-	-	-	-	-	SC1 to SB4
070 RN + 86	to	069 RN + 36	-	-	296	-	-	-	-	-	-	SC1 to SB5
070 RN + 86	to	069 RN + 36	-	-	-	-	296	-	-	-	-	SC1 to SB5
070 RN + 86	to	069 RN + 91	-	-	231	-	-	-	-	-	-	SC1 to SB6

Signal Wire

Station		to	Station		655.0210 Cable Traffic Signal 3-14 AWG LF	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0240 Cable Traffic Signal 7-14 AWG LF	655.0250 Cable Traffic Signal 9-14 AWG LF	655.0260 Cable Traffic Signal 12-14 AWG LF	655.0305 Cable Type UF 2-12 AWG Grounded LF	655.0610 Elecrtrical Wire Traffic Lighting 12 AWG LF	655.0700 Loop Dectector Lead in Cable LF	655.0800 Loop Detector Wire LF	Description
1071-06-82 CAT 0010 (CONTINUED)														
070 RN	+ 86	to	070 RN	+ 43	-	-	-	225	-	-	-	-	-	SC1 to SB7
070 RN	+ 86	to	066 RN	+ 27	-	-	-	-	-	-	-	603	-	SC1 to PB6
070 RN	+ 86	to	066 RN	+ 25	-	-	-	-	-	-	-	653	-	SC1 to PB7
070 RN	+ 86	to	073 RN	+ 48	-	-	-	-	-	-	-	421	-	SC1 to PB12
070 RN	+ 86	to	073 RN	+ 47	-	-	-	-	-	-	-	475	-	SC1 to PB13
070 RN	+ 86	to	070 RN	+ 42	-	-	-	-	-	122	-	-	-	SC1 to SB1
070 RN	+ 86	to	069 RN	+ 55	-	-	-	-	-	282	-	-	-	SC1 to SB4
070 RN	+ 86	to	070 RN	+ 43	-	-	-	-	-	225	-	-	-	SC1 to SB7
086 RN	+ 44	to	086 RN	+ 58	-	-	-	-	38	-	-	-	-	SC2 to SB21
086 RN	+ 44	to	087 RN	+ 9	-	-	-	110	-	-	-	-	-	SC2 to SB22
086 RN	+ 44	to	087 RN	+ 31	-	-	-	-	129	-	-	-	-	SC2 to SB23
086 RN	+ 44	to	087 RN	+ 42	-	-	224	-	-	-	-	-	-	SC2 to SB24
086 RN	+ 44	to	087 RN	+ 89	-	-	239	-	-	-	-	-	-	SC2 to SB25
086 RN	+ 44	to	088 RN	+ 28	-	-	289	-	-	-	-	-	-	SC2 to SB26
086 RN	+ 44	to	087 RN	+ 17	-	-	-	-	342	-	-	-	-	SC2 to SB27
086 RN	+ 44	to	087 RN	+ 55	-	-	-	408	-	-	-	-	-	SC2 to SB28
086 RN	+ 44	to	087 RN	+ 10	-	-	-	355	-	-	-	-	-	SC2 to SB29
086 RN	+ 44	to	086 RN	+ 31	-	-	-	241	-	-	-	-	-	SC2 to SB30
086 RN	+ 44	to	086 RN	+ 4	-	-	-	239	-	-	-	-	-	SC2 to SB31
086 RN	+ 44	to	085 RN	+ 94	-	-	133	-	-	-	-	-	-	SC2 to SB32
086 RN	+ 44	to	086 RN	+ 4	-	-	-	-	69	-	-	-	-	SC2 to SB33
086 RN	+ 44	to	087 RN	+ 9	-	-	-	-	-	110	-	-	-	SC2 to SB22
086 RN	+ 44	to	087 RN	+ 42	-	-	-	-	-	224	-	-	-	SC2 to SB24
086 RN	+ 44	to	087 RN	+ 55	-	-	-	-	-	408	-	-	-	SC2 to SB28
086 RN	+ 44	to	086 RN	+ 31	-	-	-	-	-	241	-	-	-	SC2 to SB30
086 RN	+ 44	to	085 RN	+ 94	-	-	-	-	-	133	-	-	-	SC2 to SB32
086 RN	+ 44	to	090 RN	+ 39	-	-	-	-	-	-	-	446	-	SC2 to PB34
086 RN	+ 44	to	090 RN	+ 39	-	-	-	-	-	-	-	446	-	SC2 to PB34
086 RN	+ 44	to	082 RN	+ 98	-	-	-	-	-	-	-	426	-	SC2 to PB42
086 RN	+ 44	to	082 RN	+ 98	-	-	-	-	-	-	-	426	-	SC2 to PB42
086 RN	+ 44	to	082 RN	+ 96	-	-	-	-	-	-	-	485	-	SC2 to PB43
152 WG	+ 69	to	152 WG	+ 14	-	-	-	-	104	-	-	-	-	SC3 to SB41
152 WG	+ 69	to	152 WG	+ 16	-	-	-	-	236	-	-	-	-	SC3 to SB42
152 WG	+ 69	to	151 WG	+ 12	-	-	-	-	304	-	-	-	-	SC3 to SB43
152 WG	+ 69	to	151 WG	+ 32	-	-	314	-	-	-	-	-	-	SC3 to SB44
152 WG	+ 69	to	151 WG	+ 20	-	-	-	-	314	-	-	-	-	SC3 to SB45
152 WG	+ 69	to	151 WG	+ 7	-	-	-	-	214	-	-	-	-	SC3 to SB46
152 WG	+ 69	to	151 WG	+ 31	-	-	-	-	212	-	-	-	-	SC3 to SB47
152 WG	+ 69	to	151 WG	+ 95	-	-	116	-	-	-	-	-	-	SC3 to SB48
152 WG	+ 69	to	152 WG	+ 16	-	-	-	-	-	236	-	-	-	SC3 to SB42
152 WG	+ 69	to	151 WG	+ 32	-	-	-	-	-	314	-	-	-	SC3 to SB44
152 WG	+ 69	to	151 WG	+ 7	-	-	-	-	-	214	-	-	-	SC3 to SB46
152 WG	+ 69	to	151 WG	+ 95	-	-	-	-	-	116	-	-	-	SC3 to SB48
152 WG	+ 69	to	152 WG	+ 35	-	-	-	-	-		-	159	-	SC3 to PB63
152 WG	+ 69	to	152 WG	+ 35	-	-	-	-	-	-	-	262	-	SC3 to PB65
1071-06-82 TOTAL					315	1614	2074	2109	2258	2625	2295*	4802	2045	

*Additional Quantities Shown Elsewhere in Plans

Signal Wire

Station	to	Station	655.0210 Cable Traffic Signal 3-14 AWG LF	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0240 Cable Traffic Signal 7-14 AWG LF	655.0250 Cable Traffic Signal 9-14 AWG LF	655.0260 Cable Traffic Signal 12-14 AWG LF	655.0305 Cable Type UF 2-12 AWG Grounded LF	655.0610 Elecrtrical Wire Traffic Lighting 12 AWG LF	655.0700 Loop Dectector Lead in Cable LF	655.0800 Loop Detector Wire LF	Description
1071-06-83 CAT 0010												
108 RN + 43			-	-	-	-	-	-	-	-	175	LOOP 21EB - PB97
108 RN + 43			-	-	-	-	-	-	-	-	250	LOOP 22EB - PB97
108 RN + 45			-	-	-	-	-	-	-	-	190	LOOP 23EB - PB98
101 RN + 21			-	-	-	-	-	-	-	-	160	LOOP 62EB - PB106
101 RN + 22			-	-	-	-	-	-	-	-	160	LOOP 61EB - PB107
102 RN + 94			-	-	-	-	-	-	-	-	160	LOOP 41EB - PB93
120 RN + 46			-	-	-	-	-	-	-	-	235	LOOP 21W - PB123
120 RN + 46			-	-	-	-	-	-	-	-	220	LOOP 22W - PB124
120 RN + 46			-	-	-	-	-	-	-	-	160	LOOP 23W - PB124
118 RN + 33			-	-	-	-	-	-	-	-	235	LOOP 81W - PB129
117 RN + 82			-	-	-	-	-	-	-	-	235	LOOP 82W - PB130
117 RN + 82			-	-	-	-	-	-	-	-	175	LOOP 83W - PB130
113 RN + 0			-	-	-	-	-	-	-	-	220	LOOP 62W - PB134
113 RN + 0			-	-	-	-	-	-	-	-	175	LOOP 61W - PB135
100 RN + 31			-	-	-	-	-	-	-	-	235	LOOP 42EB - PB110
121 RN + 39			-	-	-	-	-	-	-	-	235	LOOP 84W - PB139
103 RN + 85			15	18	-	-	-	-	-	-	-	SB61 - Up Pole
104 RN + 27			-	177	-	-	-	-	-	-	-	SB62 - Up Pole
104 RN + 39			15	20	-	-	-	-	300	-	-	SB63 - Up Pole
104 RN + 67			15	18	-	-	-	-	-	-	-	SB64 - Up Pole
105 RN + 40			-	18	-	-	-	-	-	-	-	SB65 - Up Pole
105 RN + 47			-	20	-	-	-	-	300	-	-	SB66 - Up Pole
105 RN + 26			-	134	-	-	-	-	-	-	-	SB67 - Up Pole
104 RN + 63			-	-	-	-	-	-	159	-	-	SB68 - Up Pole
104 RN + 72			-	104	-	-	-	-	-	-	-	SB69 - Up Pole
104 RN + 5			15	18	-	-	-	-	-	-	-	SB70 - Up Pole
104 RN + 18			15	20	-	-	-	-	150	-	-	SB71 - Up Pole
104 RN + 27			15	40	-	-	-	-	-	-	-	SB72 - Up Pole
103 RN + 43			-	-	-	-	-	-	300	-	-	SB73 - Up Pole
102 RN + 70			-	-	-	-	-	-	165	-	-	SB74 - Up Pole
117 RN + 44			15	40	-	-	-	-	-	-	-	SB81 - Up Pole
117 RN + 92			-	20	-	-	-	-	300	-	-	SB82 Up Pole
117 RN + 75			-	18	-	-	-	-	-	-	-	SB83 Up Pole
117 RN + 30			-	130	-	-	-	-	-	-	-	SB84 Up Pole
116 RN + 75			-	20	-	-	-	-	150	-	-	SB85 Up Pole
116 RN + 10			-	18	-	-	-	-	-	-	-	SB86 Up Pole
115 RN + 97			-	20	-	-	-	-	300	-	-	SB87 Up Pole
116 RN + 60			15	233	-	-	-	-	-	-	-	SB88 Up Pole
117 RN + 17			-	78	-	-	-	-	159	-	-	SB99 Up Pole
103 RN + 69	to	103 RN + 85	-	-	-	54	-	-	-	-	-	SC4 to SB61
103 RN + 69	to	104 RN + 27	-	-	-	-	128	-	-	-	-	SC4 to SB62
103 RN + 69	to	104 RN + 39	-	-	-	128	-	-	-	-	-	SC4 to SB63
103 RN + 69	to	104 RN + 67	-	-	-	207	-	-	-	-	-	SC4 to SB64
103 RN + 69	to	105 RN + 40	-	-	220	-	-	-	-	-	-	SC4 to SB65
103 RN + 69	to	105 RN + 47	-	-	281	-	-	-	-	-	-	SC4 to SB66
103 RN + 69	to	105 RN + 26	-	-	-	-	345	-	-	-	-	SC4 to SB67
103 RN + 69	to	104 RN + 63	-	-	248	-	-	-	-	-	-	SC4 to SB68

Signal Wire

Station		to	Station		655.0210 Cable Traffic Signal 3-14 AWG LF	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0240 Cable Traffic Signal 7-14 AWG LF	655.0250 Cable Traffic Signal 9-14 AWG LF	655.0260 Cable Traffic Signal 12-14 AWG LF	655.0305 Cable Type UF 2-12 AWG Grounded LF	655.0610 Elecrtrical Wire Traffic Lighting 12 AWG LF	655.0700 Loop Dectector Lead in Cable LF	655.0800 Loop Detector Wire LF	Description
1071-06-83 CAT 0010 (CONTINUED)														
103 RN	+ 69	to	104 RN	+ 72	-	-	407	-	-	-	-	-	-	SC4 to SB69
103 RN	+ 69	to	104 RN	+ 5	-	-	-	336	-	-	-	-	-	SC4 to SB70
103 RN	+ 69	to	104 RN	+ 18	-	-	-	285	-	-	-	-	-	SC4 to SB71
103 RN	+ 69	to	104 RN	+ 27	-	-	-	212	-	-	-	-	-	SC4 to SB72
103 RN	+ 69	to	103 RN	+ 43	-	-	150	-	-	-	-	-	-	SC4 to SB73
103 RN	+ 69	to	104 RN	+ 39	-	-	-	-	-	128	-	-	-	SC4 to SB63
103 RN	+ 69	to	105 RN	+ 47	-	-	-	-	-	281	-	-	-	SC4 to SB66
103 RN	+ 69	to	104 RN	+ 63	-	-	-	-	-	248	-	-	-	SC4 to SB68
103 RN	+ 69	to	104 RN	+ 18	-	-	-	-	-	285	-	-	-	SC4 to SB71
103 RN	+ 69	to	103 RN	+ 43	-	-	-	-	-	150	-	-	-	SC4 to SB73
103 RN	+ 69	to	102 RN	+ 70	-	-	-	-	-	438	-	-	-	SC4 to SB74
103 RN	+ 69	to	102 RN	+ 94	-	-	-	-	-	-	-	336	-	SC4 to PB93
103 RN	+ 69	to	108 RN	+ 45	-	-	-	-	-	-	-	582	-	SC4 to PB98
103 RN	+ 69	to	108 RN	+ 45	-	-	-	-	-	-	-	582	-	SC4 to PB98
103 RN	+ 69	to	108 RN	+ 43	-	-	-	-	-	-	-	650	-	SC4 to PB97
103 RN	+ 69	to	101 RN	+ 21	-	-	-	-	-	-	-	385	-	SC4 to PB106
103 RN	+ 69	to	101 RN	+ 22	-	-	-	-	-	-	-	429	-	SC4 to PB107
103 RN	+ 69	to	100 RN	+ 31	-	-	-	-	-	-	-	784	-	SC4 to PB110
117 RN	+ 35	to	117 RN	+ 44	-	-	-	-	62	-	-	-	-	SC5 to SB81
117 RN	+ 35	to	117 RN	+ 92	-	-	157	-	-	-	-	-	-	SC5 to SB82
117 RN	+ 35	to	117 RN	+ 75	-	-	270	-	-	-	-	-	-	SC5 to SB83
117 RN	+ 35	to	117 RN	+ 30	-	-	-	-	220	-	-	-	-	SC5 to SB84
117 RN	+ 35	to	117 RN	+ 30	-	-	220	-	-	-	-	-	-	SC5 to SB84
117 RN	+ 35	to	116 RN	+ 75	-	-	343	-	-	-	-	-	-	SC5 to SB85
117 RN	+ 35	to	116 RN	+ 10	-	-	303	-	-	-	-	-	-	SC5 to SB86
117 RN	+ 35	to	115 RN	+ 97	-	-	224	-	-	-	-	-	-	SC5 to SB87
117 RN	+ 35	to	116 RN	+ 60	-	-	-	-	132	-	-	-	-	SC5 to SB88
117 RN	+ 35	to	117 RN	+ 17	-	-	-	54	-	-	-	-	-	SC5 to SB89
117 RN	+ 35	to	117 RN	+ 92	-	-	-	-	-	145	-	-	-	SC5 to SB82
117 RN	+ 35	to	116 RN	+ 75	-	-	-	-	-	343	-	-	-	SC5 to SB85
117 RN	+ 35	to	116 RN	+ 10	-	-	-	-	-	303	-	-	-	SC5 to SB86
117 RN	+ 35	to	117 RN	+ 17	-	-	-	-	-	54	-	-	-	SC5 to SB89
117 RN	+ 35	to	120 RN	+ 46	-	-	-	-	-	-	-	359	-	SC5 to PB123
117 RN	+ 35	to	120 RN	+ 46	-	-	-	-	-	-	-	429	-	SC5 to PB124
117 RN	+ 35	to	120 RN	+ 46	-	-	-	-	-	-	-	429	-	SC5 to PB124
117 RN	+ 35	to	118 RN	+ 33	-	-	-	-	-	-	-	532	-	SC5 to PB129
117 RN	+ 35	to	117 RN	+ 82	-	-	-	-	-	-	-	606	-	SC5 to PB130
117 RN	+ 35	to	117 RN	+ 82	-	-	-	-	-	-	-	606	-	SC5 to PB130
117 RN	+ 35	to	113 RN	+ 0	-	-	-	-	-	-	-	530	-	SC5 to PB134
117 RN	+ 35	to	113 RN	+ 0	-	-	-	-	-	-	-	590	-	SC5 to PB135
117 RN	+ 35	to	121 RN	+ 39	-	-	-	-	-	-	-	1015	-	SC5 to PB139
1071-06-83 TOTAL					120	1164	2823	1276	887	2375	2283*	8844	3220	
										*Additional Quantities Shown Elsewhere in Plan				
CONSTRUCTION TOTAL					435	2778	4897	3385	3145	5000	4578*	13646	5265	
										*Additional Quantities Shown Elsewhere in Plan				

Signal Wire For Grounding Conductors

Station		to	Station			655.0515 Electrical Wire Traffic Signals 10 AWG LF	Description	
1071-06-82 CAT 0010								
70 RN	+ 86	to	70 RN	+ 42		122	SC1 to SB1	Grounding Conductor
70 RN	+ 42	to	70 RN	+ 26		57	SB1 to SB2	Grounding Conductor
70 RN	+ 26	to	69 RN	+ 57		167	SB2 to SB3	Grounding Conductor
69 RN	+ 57	to	69 RN	+ 55		118	SB3 to SB4	Grounding Conductor
69 RN	+ 55	to	69 RN	+ 36		102	SB4 to SB5	Grounding Conductor
69 RN	+ 36	to	69 RN	+ 91		143	SB5 to SB6	Grounding Conductor
69 RN	+ 91	to	70 RN	+ 43		72	SB6 to SB7	Grounding Conductor
70 RN	+ 43	to	70 RN	+ 86		225	SB7 to SC1	Grounding Conductor
86 RN	+ 44	to	86 RN	+ 58		38	SC2 to SB21	Grounding Conductor
86 RN	+ 58	to	87 RN	+ 9		104	SB21 to SB22	Grounding Conductor
87 RN	+ 9	to	87 RN	+ 31		51	SB22 to SB23	Grounding Conductor
87 RN	+ 31	to	87 RN	+ 42		165	SB23 to SB24	Grounding Conductor
87 RN	+ 42	to	87 RN	+ 89		67	SB24 to SB25	Grounding Conductor
87 RN	+ 89	to	88 RN	+ 28		132	SB25 to SB26	Grounding Conductor
88 RN	+ 28	to	87 RN	+ 17		178	SB26 to SB27	Grounding Conductor
87 RN	+ 17	to	87 RN	+ 55		94	SB27 to SB28	Grounding Conductor
87 RN	+ 55	to	87 RN	+ 10		107	SB28 to SB29	Grounding Conductor
87 RN	+ 10	to	86 RN	+ 31		168	SB29 to SB30	Grounding Conductor
86 RN	+ 31	to	86 RN	+ 4		52	SB30 to SB31	Grounding Conductor
86 RN	+ 4	to	85 RN	+ 94		146	SB31 to SB32	Grounding Conductor
85 RN	+ 94	to	86 RN	+ 4		114	SB32 to SB33	Grounding Conductor
86 RN	+ 4	to	86 RN	+ 44		69	SB33 to SC2	Grounding Conductor
152 WG	+ 69	to	152 WG	+ 15		104	SC3 to SB41	Grounding Conductor
152 WG	+ 15	to	152 WG	+ 16		164	SB41 to SB42	Grounding Conductor
152 WG	+ 16	to	151 WG	+ 12		124	SB42 to SB43	Grounding Conductor
151 WG	+ 12	to	151 WG	+ 32		197	SB43 to SB44	Grounding Conductor
151 WG	+ 32	to	151 WG	+ 20		40	SB44 to SB45	Grounding Conductor
151 WG	+ 20	to	151 WG	+ 7		150	SB45 to SB46	Grounding Conductor
151 WG	+ 7	to	151 WG	+ 31		48	SB46 to SB47	Grounding Conductor
151 WG	+ 31	to	151 WG	+ 96		126	SB47 to SB48	Grounding Conductor
151 WG	+ 96	to	152 WG	+ 69		116	SB48 to SC3	Grounding Conductor
1071-06-82 TOTAL						3560		

Signal Wire For Grounding Conductors

Station		to	Station			655.0515 Electrical Wire Traffic Signals 10 AWG LF	Description	
1071-06-83 CAT 0010								
103 RN	+ 69	to	103 RN	+ 85		54	SC4 to SB61	Grounding Conductor
103 RN	+ 85	to	104 RN	+ 27		110	SB61 to SB62	Grounding Conductor
104 RN	+ 27	to	104 RN	+ 39		52	SB62 to SB63	Grounding Conductor
104 RN	+ 39	to	104 RN	+ 67		131	SB63 to SB64	Grounding Conductor
104 RN	+ 67	to	105 RN	+ 40		97	SB64 to SB65	Grounding Conductor
105 RN	+ 40	to	105 RN	+ 47		171	SB65 to SB66	Grounding Conductor
105 RN	+ 47	to	105 RN	+ 26		98	SB66 to SB67	Grounding Conductor
105 RN	+ 26	to	104 RN	+ 63		175	SB67 to SB68	Grounding Conductor
104 RN	+ 63	to	104 RN	+ 72		261	SB68 to SB69	Grounding Conductor
104 RN	+ 72	to	104 RN	+ 5		99	SB69 to SB70	Grounding Conductor
104 RN	+ 5	to	104 RN	+ 18		83	SB70 to SB71	Grounding Conductor
104 RN	+ 18	to	104 RN	+ 27		103	SB71 to SB72	Grounding Conductor
104 RN	+ 27	to	103 RN	+ 43		130	SB72 to SB73	Grounding Conductor
103 RN	+ 43	to	103 RN	+ 69		150	SB73 to SC4	Grounding Conductor
117 RN	+ 35	to	117 RN	+ 44		62	SC5 to SB81	Grounding Conductor
117 RN	+ 44	to	117 RN	+ 92		137	SB81 to SB82	Grounding Conductor
117 RN	+ 92	to	117 RN	+ 75		159	SB82 to SB83	Grounding Conductor
117 RN	+ 75	to	117 RN	+ 30		82	SB83 to SB84	Grounding Conductor
117 RN	+ 30	to	116 RN	+ 75		203	SB84 to SB85	Grounding Conductor
116 RN	+ 75	to	116 RN	+ 10		86	SB85 to SB86	Grounding Conductor
116 RN	+ 10	to	115 RN	+ 97		107	SB86 to SB87	Grounding Conductor
115 RN	+ 97	to	116 RN	+ 60		132	SB87 to SB88	Grounding Conductor
116 RN	+ 60	to	117 RN	+ 17		116	SB88 to SB89	Grounding Conductor
117 RN	+ 17	to	117 RN	+ 35		54	SB89 to SC5	Grounding Conductor
1071-06-83 TOTAL						2852		
CONSTRUCTION TOTAL						6412		

Signal/Lighting Bases

Station	Dir	Location	654.0101 Concrete Bases Type 1 EACH	654.0102 Concrete Bases Type 2 EACH	654.0106 Concrete Bases Type 6 EACH	654.0110 Concrete Bases Type 10 EACH	654.0113 Concrete Bases Type 13 EACH	Description
1071-06-82 CAT 0010								
70 RN + 42	RIGHT	35	-	-	-	1	-	SB1
70 RN + 26	RIGHT	60	1	-	-	-	-	SB2
69 RN + 57	RIGHT	59	1	-	-	-	-	SB3
69 RN + 55	LEFT	8	-	1	-	-	-	SB4
69 RN + 36	LEFT	57	-	-	-	-	1	SB5
69 RN + 91	LEFT	57	1	-	-	-	-	SB6
70 RN + 43	LEFT	57	-	1	-	-	-	SB7
86 RN + 58	LEFT	85	1	-	-	-	-	SB21
87 RN + 9	LEFT	85	-	-	-	1	-	SB22
87 RN + 31	LEFT	70	1	-	-	-	-	SB23
87 RN + 42	LEFT	5	-	1	-	-	-	SB24
87 RN + 89	LEFT	7	1	-	-	-	-	SB25
88 RN + 28	LEFT	7	1	-	-	-	-	SB26
87 RN + 17	RIGHT	47	-	-	-	-	1	SB27
87 RN + 55	RIGHT	81	-	1	-	-	-	SB28
87 RN + 10	RIGHT	58	1	-	-	-	-	SB29
86 RN + 31	RIGHT	77	-	-	-	-	1	SB30
86 RN + 4	RIGHT	62	1	-	-	-	-	SB31
85 RN + 94	LEFT	19	-	1	-	-	-	SB32
86 RN + 4	LEFT	75	-	-	-	-	1	SB33
152 WG + 15	LEFT	53	1	-	-	-	-	SB41
152 WG + 16	RIGHT	46	-	-	-	-	1	SB42
151 WG + 12	RIGHT	62	1	-	-	-	-	SB43
151 WG + 32	RIGHT	42	-	1	-	-	-	SB44
151 WG + 20	RIGHT	31	1	-	-	-	-	SB45
151 WG + 7	LEFT	59	-	-	-	-	1	SB46
151 WG + 31	LEFT	73	1	-	-	-	-	SB47
151 WG + 96	LEFT	66	-	1	-	-	-	SB48
89 RN + 23	LEFT	8	-	-	1	-	-	LB21
91 RN + 38	LEFT	8	-	-	1	-	-	LB22
93 RN + 74	LEFT	11	-	-	1	-	-	LB23
95 RN + 89	LEFT	12	-	-	1	-	-	LB24
1071-06-82 TOTAL			13	7	4	2	6	

3

Signal/Lighting Bases

Station	Dir	Location	654.0101 Concrete Bases Type 1 EACH	654.0102 Concrete Bases Type 2 EACH	654.0106 Concrete Bases Type 6 EACH	654.0110 Concrete Bases Type 10 EACH	654.0113 Concrete Bases Type 13 EACH	Description
1071-06-83 CAT 0010								
103 RN + 85	LEFT	90	1	-	-	-	-	SB61
104 RN + 27	LEFT	72	-	-	-	-	1	SB62
104 RN + 39	LEFT	90	-	1	-	-	-	SB63
104 RN + 67	LEFT	90	1	-	-	-	-	SB64
105 RN + 40	LEFT	70	1	-	-	-	-	SB65
105 RN + 47	LEFT	6	-	1	-	-	-	SB66
105 RN + 26	RIGHT	35	-	-	-	-	1	SB67
104 RN + 63	RIGHT	45	-	-	-	1	-	SB68
104 RN + 72	RIGHT	163	-	-	-	1	-	SB69
104 RN + 5	RIGHT	139	1	-	-	-	-	SB70
104 RN + 18	RIGHT	102	-	1	-	-	-	SB71
104 RN + 27	RIGHT	31	1	-	-	-	-	SB72
103 RN + 43	LEFT	16	-	1	-	-	-	SB73
102 RN + 70	RIGHT	61	-	-	1	-	-	SB74
117 RN + 44	LEFT	87	1	-	-	-	-	SB81
117 RN + 92	LEFT	12	-	1	-	-	-	SB82
117 RN + 75	RIGHT	48	1	-	-	-	-	SB83
117 RN + 30	RIGHT	37	-	-	-	-	1	SB84
116 RN + 75	RIGHT	45	-	1	-	-	-	SB85
116 RN + 10	RIGHT	34	1	-	-	-	-	SB86
115 RN + 97	LEFT	18	-	1	-	-	-	SB87
116 RN + 60	LEFT	85	-	-	-	-	1	SB88
117 RN + 17	LEFT	100	-	-	-	-	1	SB89
98 RN + 4	LEFT	12	-	-	1	-	-	LB25
100 RN + 19	LEFT	12	-	-	1	-	-	LB26
102 RN + 34	LEFT	12	-	-	1	-	-	LB27
107 RN + 41	LEFT	8	-	-	1	-	-	LB28
111 RN + 88	LEFT	16	-	-	1	-	-	LB29
114 RN + 18	LEFT	18	-	-	1	-	-	LB30
120 RN + 18	LEFT	10	-	-	1	-	-	LB31
122 RN + 40	LEFT	12	-	-	1	-	-	LB32
124 RN + 62	LEFT	12	-	-	1	-	-	LB33
126 RN + 84	LEFT	17	-	-	1	-	-	LB34
129 RN + 6	LEFT	12	-	-	1	-	-	LB35
131 RN + 28	LEFT	11	-	-	1	-	-	LB36
133 RN + 50	LEFT	13	-	-	1	-	-	LB37
135 RN + 74	LEFT	13	-	-	1	-	-	LB38
139 RN + 94	LEFT	11	-	-	1	-	-	LB39
142 RN + 48	LEFT	13	-	-	1	-	-	LB40
145 RN + 2	LEFT	14	-	-	1	-	-	LB41
147 RN + 45	LEFT	12	-	-	1	-	-	LB42
1071-06-83 TOTAL			8	7	19	2	5	
7190-03-72 CAT 0010								
133 RN + 50	LEFT	13	-	-	1	-	-	LB37
135 RN + 74	LEFT	13	-	-	1	-	-	LB38
139 RN + 94	LEFT	11	-	-	1	-	-	LB39
142 RN + 48	LEFT	13	-	-	1	-	-	LB40
145 RN + 2	LEFT	14	-	-	1	-	-	LB41
147 RN + 45	LEFT	12	-	-	1	-	-	LB42
7190-03-72 TOTAL			-	-	6	-	-	
CONSTRUCTION TOTAL			21	14	23	4	11	

Signal/Lighting Poles, Arms, & Equipment

Station	Dir	Location	657.1350 Install Poles Type 10 EACH	657.1360 Install Poles Type 13 EACH	657.1520 Install Monotube Arms 20-FT EACH	657.1530 Install Monotube Arms 30-FT EACH	657.1535 Install Monotube Arms 35-FT	657.1545 Install Monotube Arms 45-FT EACH	657.1550 Install Monotube Arms 50-FT EACH	657.1555 Install Monotube Arms 55-FT EACH	657.1815 Install Luminaire Arms Steel 15-FT EACH	657.0100 Pedestal Bases EACH	657.0255 Transformer Bases Breakaway 11 1/2 Inch Bolt Circle EACH	657.0420 Traffic Signal Standards Aluminum 13-FT EACH	657.0425 Traffic Signal Standards Aluminum 15-FT EACH	657.0430 Traffic Signal Standards Aluminum 10-FT EACH	657.0315 Poles Type 4 EACH	657.0327 Poles Type 6-Aluminum EACH	657.0710 Luminaire Arms Truss Type 4.5-Inch Clamp 12-FT EACH	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	Desc
1071-06-82 CAT 0010																					
70 RN	+ 42 RIGHT	35	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	SB1
70 RN	+ 26 RIGHT	60	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB2
69 RN	+ 57 RIGHT	59	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	SB3
69 RN	+ 55 LEFT	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB4
69 RN	+ 36 LEFT	57	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	SB5
69 RN	+ 91 LEFT	57	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB6
70 RN	+ 43 LEFT	57	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB7
86 RN	+ 58 LEFT	85	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	SB21
87 RN	+ 9 LEFT	85	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	SB22
87 RN	+ 31 LEFT	70	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB23
87 RN	+ 42 LEFT	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB24
87 RN	+ 89 LEFT	7	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB25
88 RN	+ 28 LEFT	7	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB26
87 RN	+ 17 RIGHT	47	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	SB27
87 RN	+ 55 RIGHT	81	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB28
87 RN	+ 10 RIGHT	58	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB29
86 RN	+ 31 RIGHT	77	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	SB30
86 RN	+ 4 RIGHT	62	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB31
85 RN	+ 94 LEFT	19	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB32
86 RN	+ 4 LEFT	75	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	SB33
152 WG	+ 15 LEFT	53	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	SB41
152 WG	+ 16 RIGHT	46	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	SB42
151 WG	+ 12 RIGHT	62	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB43
151 WG	+ 32 RIGHT	42	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB44
151 WG	+ 20 RIGHT	31	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	SB45
151 WG	+ 7 LEFT	59	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	SB46
151 WG	+ 31 LEFT	73	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB47
151 WG	+ 96 LEFT	66	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB48
89 RN	+ 23 LEFT	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB21
91 RN	+ 38 LEFT	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB22
93 RN	+ 74 LEFT	11	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB23
95 RN	+ 89 LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB24
1071-06-82 TOTAL			2	6	1	1	-	2	1	3	5	13	11	9	3	1	7	4	8	10	

Signal/Lighting Poles, Arms, & Equipment

Station	Dir	Location	657.1350 Install Poles Type 10 EACH	657.1360 Install Poles Type 13 EACH	657.1520 Install Monotube Arms 20-FT EACH	657.1530 Install Monotube Arms 30-FT EACH	657.1535 Install Monotube Arms 35-FT	657.1545 Install Monotube Arms 45-FT EACH	657.1550 Install Monotube Arms 50-FT EACH	657.1555 Install Monotube Arms 55-FT EACH	657.1815 Install Luminaire Arms Steel 15-FT EACH	657.0100 Pedestal Bases EACH	657.0255 Transformer Bases Breakaway 11 1/2 Inch Bolt Circle EACH	657.0420 Traffic Signal Standards Aluminum 13-FT EACH	657.0425 Traffic Signal Standards Aluminum 15-FT EACH	657.0430 Traffic Signal Standards Aluminum 10-FT EACH	657.0315 Poles Type 4 EACH	657.0327 Poles Type 6-Aluminum EACH	657.0710 Luminaire Arms Truss Type 4.5-Inch Clamp 12-FT EACH	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	Desc
1071-06-83 CAT 0010																					
103 RN + 85	LEFT	90	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB61
104 RN + 27	LEFT	72	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	SB62
104 RN + 39	LEFT	90	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB63
104 RN + 67	LEFT	90	-		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB64
105 RN + 40	LEFT	70	-		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB65
105 RN + 47	LEFT	6	-		-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB66
105 RN + 26	RIGHT	35	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	SB67
104 RN + 63	RIGHT	45	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	SB68
104 RN + 72	RIGHT	163	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SB69
104 RN + 5	RIGHT	139	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB70
104 RN + 18	RIGHT	102	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB71
104 RN + 27	RIGHT	31	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	SB72
103 RN + 43	LEFT	16	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB73
102 RN + 70	RIGHT	61	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	SB74
117 RN + 44	LEFT	87	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	SB81
117 RN + 92	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB82
117 RN + 75	RIGHT	48	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB83
117 RN + 30	RIGHT	37	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	SB84
116 RN + 75	RIGHT	45	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	SB85
116 RN + 10	RIGHT	34	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	SB86
115 RN + 97	LEFT	18	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	2	SB87
116 RN + 60	LEFT	85	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	SB88
117 RN + 17	LEFT	100	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	SB89
98 RN + 4	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB25
100 RN + 19	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB26
102 RN + 34	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB27
107 RN + 41	LEFT	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB28
111 RN + 88	LEFT	16	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB29
114 RN + 18	LEFT	18	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB30
120 RN + 18	LEFT	10	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB31
122 RN + 40	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB32
124 RN + 62	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB33
126 RN + 84	LEFT	17	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB34
129 RN + 6	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB35
131 RN + 28	LEFT	11	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB36
1071-06-83 TOTAL			2	5	1	1	1	1	1	2	2	8	20	6	2	0	7	13	25	12	
7190-03-72 CAT 0010																					
133 RN + 50	LEFT	13	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB37
135 RN + 74	LEFT	13	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB38
139 RN + 94	LEFT	11	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB39
142 RN + 48	LEFT	13	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB40
145 RN + 2	LEFT	14	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB41
147 RN + 45	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB42
152 RN + 40	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB109
149 RN + 90	LEFT	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	LB119
7190-03-72 TOTAL			-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	8	16	-	
CONSTRUCTION TOTAL			4	11	2	2	1	3	2	5	7	21	39	15	5	1	14	25	49	22	

Signal/Lighting Signal Heads/LED Equipment

Station	Dir	Location	658.0110 Traffic Signal Face 3-12 Inch Vertical EACH	658.0115 Traffic Signal Face 4-12 Inch Vertical EACH	658.0215 Backplates Signal Face 3 section 12-inch EACH	658.0220 Backplates Signal Face 4 section 12-inch EACH	658.0416 Pedestrian Signal Face 16-Inch EACH	658.0500 Pedestrian Push Button EACH	658.0600 LED Modules 12-Inch Red Ball EACH	658.0605 LED Modules 12-Inch Yellow Ball EACH	658.0610 LED Modules 12-Inch Green Ball EACH	658.0615 LED Modules 12-Inch Red Arrow EACH	658.0620 LED Modules 12-Inch Yellow Arrow EACH	658.0625 LED Modules 12-Inch Green Arrow EACH	658.0635 LED Modules Pedestrian Countdown Timer 16-inch EACH	659.1125 Luminaires Utility LED C EACH	Desc
1071-06-82 CAT 0010																	
70 RN + 42	RIGHT	35	2	-	2	-	1	1	2	2	2	-	-	-	1	1	SB1
70 RN + 26	RIGHT	60	1	-	1	-	1	1	1	1	1	-	-	-	1	-	SB2
69 RN + 57	RIGHT	59	-	-		-	1	1	-	-	-	-	-	-	1	-	SB3
69 RN + 55	LEFT	8	-	1		1	-	-	-	-	-	1	2	1	-	2	SB4
69 RN + 36	LEFT	57	3	1	3	1	-	-	3	2	2	1	3	2	-	-	SB5
69 RN + 91	LEFT	57	1	-	1	-	-	-	1	-	-	-	1	1	-	-	SB6
70 RN + 43	LEFT	57	1	-	1	-	1	1	1	1	1	-	-	-	1	1	SB7
86 RN + 58	LEFT	85	1	1	1	1	1	1	2	2	2	-	-	1	1	-	SB21
87 RN + 9	LEFT	85	-	1		1	1	1	1	1	1	-	-	1	1	1	SB22
87 RN + 31	LEFT	70	2	-	2	-	1	1	1	1	1	1	1	1	1	-	SB23
87 RN + 42	LEFT	5	1	-	1	-	-	-	-	-	-	1	1	1	-	2	SB24
87 RN + 89	LEFT	7	1	-	1	-	-	-	1	-	-	-	1	1	-	-	SB25
88 RN + 28	LEFT	7	1	-	1	-	-	-	1	-	-	-	1	1	-	-	SB26
87 RN + 17	RIGHT	47	4	-	4	-	1	1	3	3	3	-	-	-	1	-	SB27
87 RN + 55	RIGHT	81	1	-	1	-	1	1	1	-	-	-	1	1	1	1	SB28
87 RN + 10	RIGHT	58	1	-	1	-	1	1	1	1	1	-	-	-	1	-	SB29
86 RN + 31	RIGHT	77	2	-	2	-	1	1	2	2	2	-	-	-	1	1	SB30
86 RN + 4	RIGHT	62	1	-	1	-	1	1	1	1	1	-	-	-	1	-	SB31
85 RN + 94	LEFT	19	1	-	1	-	-	-	-	-	-	1	1	1	-	2	SB32
86 RN + 4	LEFT	75	4	-	4	-	1	1	2	2	2	2	2	2	1	-	SB33
152 WG + 15	LEFT	53	1	1	1	1	1	1	1	1	1	1	2	1	1	-	SB41
152 WG + 16	RIGHT	46	2	1	2	1	1	1	2	2	2	1	2	1	1	1	SB42
151 WG + 12	RIGHT	62	2	-	2	-	1	1	2	2	2	-	-	-	1	-	SB43
151 WG + 32	RIGHT	42	1	-	1	-	1	1	1	1	1	-	-	-	1	1	SB44
151 WG + 20	RIGHT	31	1	1	1	1	1	1	1	1	1	1	2	1	1	-	SB45
151 WG + 7	LEFT	59	2	1	2	1	1	1	2	2	2	1	2	1	1	1	SB46
151 WG + 31	LEFT	73	2	-	2	-	1	1	2	2	2	-	-	-	1	-	SB47
151 WG + 96	LEFT	66	1	-	1	-	1	1	1	1	1	-	-		1	1	SB48
89 RN + 23	LEFT	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB21
91 RN + 38	LEFT	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB22
93 RN + 74	LEFT	11	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB23
95 RN + 89	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB24
1071-06-82 TOTAL			40	8	40	8	21	21	36	31	31	11	22	18	21	23	

Signal/Lighting Signal Heads/LED Equipment

Station	Dir	Location	658.0110 Traffic Signal Face 3-12 Inch Vertical EACH	658.0115 Traffic Signal Face 4-12 Inch Vertical EACH	658.0215 Backplates Signal Face 3 section 12-inch EACH	658.0220 Backplates Signal Face 4 section 12-inch EACH	658.0416 Pedestrian Signal Face 16-Inch EACH	658.0500 Pedestrian Push Button EACH	658.0600 LED Modules 12-Inch Red Ball EACH	658.0605 LED Modules 12-Inch Yellow Ball EACH	658.0610 LED Modules 12-Inch Green Ball EACH	658.0615 LED Modules 12-Inch Red Arrow EACH	658.0620 LED Modules 12-Inch Yellow Arrow EACH	658.0625 LED Modules 12-Inch Green Arrow EACH	658.0635 LED Modules Pedestrian Countdown Timer 16-inch EACH	659.1125 Luminaires Utility LED C EACH	Desc
1071-06-83 CAT 0010																	
103 RN + 85	LEFT	90	1	-	1	-	1	1	1	-	-	-	1	1	1	-	SB61
104 RN + 27	LEFT	72	3	1	3	1	-	1	3	3	3	1	2	1	-	-	SB62
104 RN + 39	LEFT	90	1	-	1	-	1	1	1	1	1	-	-	-	1	2	SB63
104 RN + 67	LEFT	90	1	-	1	-	1	1	1	1	1	-	-	-	1	-	SB64
105 RN + 40	LEFT	70	1	-	1	-	-	-	1	1	1	-	-	-	-	-	SB65
105 RN + 47	LEFT	6	-	1	-	1	-	-	-	-	-	1	2	1	-	2	SB66
105 RN + 26	RIGHT	35	2	1	2	1	-	-	3	3	3	-	-	1	-	-	SB67
104 RN + 63	RIGHT	45	-	1	-	1	-	-	1	1	1	-	-	1	-	1	SB68
104 RN + 72	RIGHT	163	2	-	2	-	-	-	2	2	2	-	-	-	-	-	SB69
104 RN + 5	RIGHT	139	1	-	1	-	1	1	1	1	1	-	-	-	1	-	SB70
104 RN + 18	RIGHT	102	1	-	1	-	1	1	1	1	1	-	-	-	1	1	SB71
104 RN + 27	RIGHT	31	1	1	1	1	1	1	1	1	1	1	2	1	1	-	SB72
103 RN + 43	LEFT	16	-	-	-	-	-	-	1	-	-	-	1	1	-	2	SB73
102 RN + 70	RIGHT	61	-	-	-	-	-	-	-	-	-	-	-	-	-	1	SB74
117 RN + 44	LEFT	87	1	1	1	1	1	-	1	1	1	1	2	1	1	-	SB81
117 RN + 92	LEFT	12	1	-	1	-	-	-	1	-	-	-	1	1	-	2	SB82
117 RN + 75	RIGHT	48	1	-	1	-	-	-	1	-	-	-	1	1	-	-	SB83
117 RN + 30	RIGHT	37	3	1	3	1	-	-	3	3	3	1	2	1	-	-	SB84
116 RN + 75	RIGHT	45	1	-	1	-	-	-	-	-	-	1	1	1	-	1	SB85
116 RN + 10	RIGHT	34	1	-	1	-	-	-	1	1	1	-	-	-	-	-	SB86
115 RN + 97	LEFT	18	-	1	-	1	-	-	-	-	-	1	2	1	-	2	SB87
116 RN + 60	LEFT	85	4	-	4	-	1	1	3	3	3	1	1	1	1	-	SB88
117 RN + 17	LEFT	100	1	1	1	1	-	1	1	1	1	1	1	2	-	1	SB89
98 RN + 4	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB25
100 RN + 19	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB26
102 RN + 34	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB27
107 RN + 41	LEFT	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB28
111 RN + 88	LEFT	16	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB29
114 RN + 18	LEFT	18	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB30
120 RN + 18	LEFT	10	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB31
122 RN + 40	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB32
124 RN + 62	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB33
126 RN + 84	LEFT	17	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB34
129 RN + 6	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB35
131 RN + 28	LEFT	11	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB36
1071-06-83 TOTAL			27	9	27	9	8	9	28	24	24	9	19	16	8	39	
7190-03-72 CAT 0010																	
133 RN + 50	LEFT	13	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB37
135 RN + 74	LEFT	13	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB38
139 RN + 94	LEFT	11	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB39
142 RN + 48	LEFT	13	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB40
145 RN + 2	LEFT	14	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB41
147 RN + 45	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB42
152 RN + 40	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB109
149 RN + 90	LEFT	12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	LB119
7190-03-72 TOTAL			-	-	-	-	-	-	-	-	-	-	-	-	-	16	
CONSTRUCTION TOTAL			67	17	67	17	29	30	64	55	55	20	41	34	29	78	

Signal/Lighting Poles, Arms, & Equipment, Black Paint

Station	Dir	Location	SPV.0060.80 Black Paint Pedestal Bases EACH	SPV.0060.81 Black Paint Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	SPV.0060.82 Black Paint Traffic Signal Standard Aluminum 13-FT EACH	SPV.0060.83 Black Paint Traffic Signal Standard Aluminum 15-FT EACH	SPV.0060.84 Black Paint Traffic Signal Standard Aluminum 10-FT	SPV.0060.85 Black Paint Poles Type 4 EACH	SPV.0060.86 Black Paint Poles Type 6-Modified Aluminum EACH	SPV.0060.87 Black Paint Luminaire Arms Truss Type 4.5-Inch Clamp 12-FT EACH	SPV.0060.88 Black Paint Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	SPV.0060.89 Black Paint Luminaires Utility LED C EACH	Desc
1071-06-82 CAT 0010													
70 RN + 42	RIGHT	35	-	-	-	-	-	-	-	-	-	1	SB1
70 RN + 26	RIGHT	60	1	-	1	-	-	-	-	-	-	-	SB2
69 RN + 57	RIGHT	59	1	-	-	-	1	-	-	-	-	-	SB3
69 RN + 55	LEFT	8	-	1	-	-	-	1	-	-	2	2	SB4
69 RN + 91	LEFT	57	1	-	1	-	-	-	-	-	-	-	SB6
70 RN + 43	LEFT	57	-	1	-	-	-	1	-	-	1	1	SB7
86 RN + 58	LEFT	85	1	-	-	1	-	-	-	-	-	-	SB21
87 RN + 9	LEFT	85	-	-	-	-	-	-	-	-	-	1	SB22
87 RN + 31	LEFT	70	1	-	1	-	-	-	-	-	-	-	SB23
87 RN + 42	LEFT	5	-	1	-	-	-	1	-	-	2	2	SB24
87 RN + 89	LEFT	7	1	-	1	-	-	-	-	-	-	-	SB25
88 RN + 28	LEFT	7	1	-	1	-	-	-	-	-	-	-	SB26
87 RN + 55	RIGHT	81	-	1	-	-	-	1	-	-	1	1	SB28
87 RN + 10	RIGHT	58	1	-	1	-	-	-	-	-	-	-	SB29
86 RN + 31	RIGHT	77	-	-	-	-	-	-	-	-	-	1	SB30
86 RN + 4	RIGHT	62	1	-	1	-	-	-	-	-	-	-	SB31
85 RN + 94	LEFT	19	-	1	-	-	-	1	-	-	2	2	SB32
152 WG + 14	LEFT	53	1	-	-	1	-	-	-	-	-	-	SB41
152 WG + 16	RIGHT	46	-	-	-	-	-	-	-	-	-	1	SB42
151 WG + 12	RIGHT	62	1	-	1	-	-	-	-	-	-	-	SB43
151 WG + 32	RIGHT	42	-	1	-	-	-	1	-	-	1	1	SB44
151 WG + 20	RIGHT	31	1	-	-	1	-	-	-	-	-	-	SB45
151 WG + 7	LEFT	59	-	-	-	-	-	-	-	-	-	1	SB46
151 WG + 31	LEFT	73	1	-	1	-	-	-	-	-	-	-	SB47
151 WG + 95	LEFT	63	-	1	-	-	-	1	-	-	1	1	SB48
89 RN + 23	LEFT	8	-	1	-	-	-	-	1	2	-	2	LB21
91 RN + 38	LEFT	8	-	1	-	-	-	-	1	2	-	2	LB22
93 RN + 74	LEFT	11	-	1	-	-	-	-	1	2	-	2	LB23
95 RN + 89	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB24
1071-06-82 TOTAL			13	11	9	3	1	7	4	8	10	23	

Signal/Lighting Poles, Arms, & Equipment, Black Paint

Station	Dir	Location	SPV.0060.80 Black Paint Pedestal Bases EACH	SPV.0060.81 Black Paint Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	SPV.0060.82 Black Paint Traffic Signal Standard Aluminum 13-FT EACH	SPV.0060.83 Black Paint Traffic Signal Standard Aluminum 15-FT EACH	SPV.0060.84 Black Paint Traffic Signal Standard Aluminum 10-FT EACH	SPV.0060.85 Black Paint Poles Type 4 EACH	SPV.0060.86 Black Paint Poles Type 6-Modified Aluminum EACH	SPV.0060.87 Black Paint Luminaire Arms Truss Type 4.5-Inch Clamp 12-FT EACH	SPV.0060.88 Black Paint Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	SPV.0060.89 Black Paint Luminaires Utility LED C EACH	Desc
1071-06-83 CAT 0010													
103 RN + 85	LEFT	90	1	-	1	-	-	-	-	-	-	-	SB61
104 RN + 39	LEFT	90	-	1	-	-	-	1	-	-	2	2	SB63
104 RN + 67	LEFT	90	1	-	1	-	-	-	-	-	-	-	SB64
105 RN + 40	LEFT	70	1	-	1	-	-	-	-	-	-	-	SB65
105 RN + 47	LEFT	6	-	1	-	-	-	1	-	-	2	2	SB66
104 RN + 63	RIGHT	45	-	-	-	-	-	-	-	-	-	1	SB68
104 RN + 5	RIGHT	139	1	-	1	-	-	-	-	-	-	-	SB70
104 RN + 18	RIGHT	102	-	1	-	-	-	1	-	-	1	1	SB71
104 RN + 27	RIGHT	31	1	-	-	1	-	-	-	-	-	-	SB72
103 RN + 43	LEFT	16	-	1	-	-	-	1	-	-	2	2	SB73
102 RN + 70	RIGHT	61	-	1	-	-	-	-	1	1	-	1	SB74
117 RN + 44	LEFT	87	1	-	-	1	-	-	-	-	-	-	SB81
117 RN + 92	LEFT	12	-	1	-	-	-	1	-	-	2	2	SB82
117 RN + 75	RIGHT	48	1	-	1	-	-	-	-	-	-	-	SB83
116 RN + 75	RIGHT	45	-	1	-	-	-	1	-	-	1	1	SB85
116 RN + 10	RIGHT	34	1	-	1	-	-	-	-	-	-	-	SB86
115 RN + 97	LEFT	18	-	1	-	-	-	1	-	-	2	2	SB87
117 RN + 17	LEFT	100	-	-	-	-	-	-	-	-	-	1	SB89
98 RN + 4	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB25
100 RN + 19	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB26
102 RN + 34	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB27
107 RN + 41	LEFT	8	-	1	-	-	-	-	1	2	-	2	LB28
111 RN + 88	LEFT	16	-	1	-	-	-	-	1	2	-	2	LB29
114 RN + 18	LEFT	18	-	1	-	-	-	-	1	2	-	2	LB30
120 RN + 18	LEFT	10	-	1	-	-	-	-	1	2	-	2	LB31
122 RN + 40	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB32
124 RN + 62	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB33
126 RN + 84	LEFT	17	-	1	-	-	-	-	1	2	-	2	LB34
129 RN + 6	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB35
131 RN + 28	LEFT	11	-	1	-	-	-	-	1	2	-	2	LB36
1071-06-83 TOTAL			8	20	6	2	-	7	13	25	12	39	
7190-03-72 CAT 0010													
133 RN + 50	LEFT	13	-	1	-	-	-	-	1	2	-	2	LB37
135 RN + 74	LEFT	13	-	1	-	-	-	-	1	2	-	2	LB38
139 RN + 94	LEFT	11	-	1	-	-	-	-	1	2	-	2	LB39
142 RN + 48	LEFT	13	-	1	-	-	-	-	1	2	-	2	LB40
145 RN + 2	LEFT	14	-	1	-	-	-	-	1	2	-	2	LB41
147 RN + 45	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB42
152 RN + 40	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB109
149 RN + 90	LEFT	12	-	1	-	-	-	-	1	2	-	2	LB119
7190-03-72 TOTAL			-	8	-	-	-	-	8	16	-	16	
CONSTRUCTION TOTAL			21	39	15	5	1	14	25	49	22	78	

Decorative Lighting Bases & Poles

Station	Dir	Location	SPV.0060.96 Decorative Street Light Base EACH	SPV.0060.97 Decorative Street Light Assembly EACH	
1071-06-82 CAT 0040					
54 RN + 41	LEFT	53	1	1	LB100
55 RN + 25	RIGHT	33	1	1	LB101
55 RN + 84	LEFT	54	1	1	LB102
56 RN + 76	RIGHT	33	1	1	LB103
57 RN + 41	LEFT	54	1	1	LB104
57 RN + 91	RIGHT	33	1	1	LB105
58 RN + 96	LEFT	54	1	1	LB106
59 RN + 42	RIGHT	33	1	1	LB107
60 RN + 48	LEFT	54	1	1	LB108
60 RN + 98	RIGHT	33	1	1	LB109
61 RN + 99	LEFT	54	1	1	LB110
62 RN + 52	RIGHT	33	1	1	LB111
63 RN + 48	LEFT	55	1	1	LB112
64 RN + 5	RIGHT	34	1	1	LB113
64 RN + 97	LEFT	55	1	1	LB114
65 RN + 59	RIGHT	33	1	1	LB115
66 RN + 45	LEFT	55	1	1	LB116
67 RN + 11	RIGHT	44	1	1	LB117
67 RN + 93	LEFT	56	1	1	LB118
68 RN + 63	RIGHT	47	1	1	LB119
70 RN + 92	LEFT	55	1	1	LB120
71 RN + 66	RIGHT	42	1	1	LB121
72 RN + 43	LEFT	55	1	1	LB122
73 RN + 15	RIGHT	32	1	1	LB123
73 RN + 92	LEFT	55	1	1	LB124
74 RN + 66	RIGHT	32	1	1	LB125
75 RN + 41	LEFT	55	1	1	LB126
76 RN + 16	RIGHT	32	1	1	LB127
76 RN + 93	LEFT	55	1	1	LB128
77 RN + 67	RIGHT	42	1	1	LB129
78 RN + 43	LEFT	55	1	1	LB130
79 RN + 17	RIGHT	44	1	1	LB131
79 RN + 93	LEFT	55	1	1	LB132
80 RN + 67	RIGHT	44	1	1	LB133
81 RN + 42	LEFT	57	1	1	LB134
82 RN + 17	RIGHT	44	1	1	LB135
82 RN + 94	LEFT	61	1	1	LB136
83 RN + 67	RIGHT	44	1	1	LB137
84 RN + 43	LEFT	65	1	1	LB138
85 RN + 19	RIGHT	57	1	1	LB139
87 RN + 34	RIGHT	161	1	1	LB140
86 RN + 47	RIGHT	227	1	1	LB141
87 RN + 32	RIGHT	283	1	1	LB142
86 RN + 42	RIGHT	377	1	1	LB143
87 RN + 32	RIGHT	448	1	1	LB144
CONSTRUCTION TOTAL			45	45	

Electrical Cabinets

Station	Dir	Location	654.0217 Concrete Control Cabinet Bases Type 9 Special EACH	654.0230 Concrete Control Cabinet Bases Type L30 EACH	659.2130 Lighting Control Cabinets 120/240 30-inch EACH	SPV.0060.90 Black Paint Lighting Control Cabinet EACH	SPV.0060.95 Remove Existing Lighting Control EACH	Description
1071-06-82 CAT 0010								
70 RN + 86	RIGHT	79	1	-	-	-	-	SC1
86 RN + 44	LEFT	85	1	-	-	-	-	SC2
152 WG + 69	LEFT	96	1	-	-	-	-	SC3
70 RN + 86	RIGHT	79	-	-	-	-	-	Project
1071-06-82 CAT 0010 TOTAL			3	-	-			
1071-06-82 CAT 0040								
70 RN + 93	RIGHT	72	-	1	1	1	1	LC1
86 RN + 37	LEFT	85	-	1	1	1	-	LC2
53 RN + 50	RIGHT	69	-	1	1	1	-	LC3
1071-06-82 CAT 0040 TOTAL			-	3	3	3	1	
1071-06-82 TOTAL			3	3	3	3	1	
1071-06-83 CAT 0010								
103 RN + 69	LEFT	97	1	-	-	-	-	SC4
117 RN + 35	LEFT	105	1	-	-	-	-	SC5
103 RN + 69	LEFT	97	-	-	-	-	-	Project
1071-06-83 TOTAL			2	-	-	-	-	
7190-03-72 CAT 0010								
139 RN + 94	LEFT	15	-	-	-	-	-	Project
7190-03-72 TOTAL			-	-	-	-	-	
CONSTRUCTION TOTAL			5	3	3	3	1	

Electrical Service

Station	Dir	Location	656.0200.01 Electrical Service Meter Breaker Pedestal USH 53 & Palace LS	656.0200.02 Electrical Service Meter Breaker Pedestal USH 53 & STH 35 LS	656.0200.03 Electrical Service Meter Breaker Pedestal STH 35 & W George LS	656.0200.04 Electrical Service Meter Breaker Pedestal City of LaX LC1 LS	656.0200.05 Electrical Service Meter Breaker Pedestal City of LaX LC2 LS	656.0200.06 Electrical Service Meter Breaker Pedestal City of LaX LC3 LS	656.0200.07 Electrical Service Meter Breaker Pedestal USH 53 & IH 90 EB LS	656.0200.08 Electrical Service Meter Breaker Pedestal USH 53 & IH 90 WB LS	Description
1071-06-82 CAT 0010											
70 RN + 86	RIGHT	79	1	-	-	-	-	-	-	-	SC1
86 RN + 44	LEFT	85	-	1	-	-	-	-	-	-	SC2
152 WG + 69	LEFT	96	-	-	1	-	-	-	-	-	SC3
1071-06-82 CAT 0010 TOTAL			1	1	1	-	-	-			
1071-06-82 CAT 0040											
70 RN + 93	RIGHT	72	-	-	-	1	-	-	-	-	LC1
86 RN + 37	LEFT	85	-	-	-	-	1	-	-	-	LC2
53 RN + 50	RIGHT	69	-	-	-	-	-	1	-	-	LC3
1071-06-82 CAT 0040 TOTAL			-	-	-	1	1	1	-	-	
1071-06-82 TOTAL			1	1	1	1	1	1	-	-	
1071-06-83 CAT 0010											
103 RN + 69	LEFT	97	-	-	-	-	-	-	1	-	SC4
117 RN + 35	LEFT	105	-	-	-	-	-	-	-	1	SC5
1071-06-83 TOTAL			-	-	-	-	-	-	1	1	
CONSTRUCTION TOTAL			1	1	1	1	1	1	1	1	

Electrical Staking

Station	Dir	Location	650.8500.01 Construction Staking Electrical Installations 1071-06-82 LS	650.8500.02 Construction Staking Electrical Installations 1071-06-83 LS	650.8500.03 Construction Staking Electrical Installations 7190-03-72 LS	Description
1071-06-82 CAT 0010						
70 RN + 86	RIGHT	79	1	-	-	Project
1071-06-82 CAT 0010 TOTAL			1	-	-	
1071-06-83 CAT 0010						
103 RN + 69	LEFT	97	-	1	-	Project
1071-06-83 TOTAL			-	1	-	
7190-03-72 CAT 0010						
139 RN + 94	LEFT	15	-	-	1	Project
7190-03-72 TOTAL			-	-	1	
CONSTRUCTION TOTAL			1	1	1	

Signal Mounting Hardware

Station	Dir	Location	658.5069.01 Signal Mounting Hardware USH 53 & Palace LS	658.5069.02 Signal Mounting Hardware USH 53 & STH 35 LS	658.5069.03 Signal Mounting Hardware STH 35 & W George LS	658.5069.04 Signal Mounting Hardware USH 53 & IH 90 EB LS	658.5069.05 Signal Mounting Hardware USH 53 & IH 90 WB LS	Descripti
1071-06-82 CAT 0010								
70 RN + 86	RIGHT	79	1	-	-	-	-	SC1
86 RN + 44	LEFT	85	-	1	-	-	-	SC2
152 WG + 69	LEFT	96	-	-	1	-	-	SC3
1071-06-82 CAT 0010 TOTAL			1	1	1	-	-	
1071-06-83 CAT 0010								
103 RN + 69	LEFT	97	-	-	-	1	-	SC4
117 RN + 35	LEFT	105	-	-	-	-	1	SC5
1071-06-83 TOTAL			-	-	-	1	1	
CONSTRUCTION TOTAL			1	1	1	1	1	

3

Fiber Optic Communication

Station		to	Station			678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT LF	678.0200 Fiber Optic Splice Enclosure EACH	678.0300 Fiber Optic Splice EACH	SPV.0060.93 8-Count Fiber Optic Connector 250-Feet EACH	SPV.0060.94 8-Count Fiber Optic Connector 1000-Feet EACH	SPV.0060.98 Round Communications Vault 36X42-inch EACH	Description
1071-06-82 CAT 0010												
53 RN	+ 86	to	70 RN	+	54	1812	-	-	-	-	-	PB230 to CV1
70 RN	+ 54	to	85 RN	+	91	1745	-	-	-	-	-	CV1 to CV2
85 RN	+ 91	to	98 RN	+	12	1366	-	-	-	-	-	CV2 to PB209
70 RN	+ 54					100	1	8	-	-	1	CV1
85 RN	+ 91					100	2	16	-	-	1	CV2
70 RN	+ 86					-	-	-	1	-	-	SC1
86 RN	+ 44					-	-	-	1	-	-	SC2
152 WG	+ 69					-	-	-	-	1	-	SC3
1071-06-82 TOTAL						5123	3	24	2	1	2	
1071-06-83 CAT 0010												
98 RN	+ 12	to	103 RN	+	87	679	-	-	-	-	-	PB209 to CV4
103 RN	+ 87	to	117 RN	+	65	1526	-	-	-	-	-	CV4 to CV5
117 RN	+ 65	to	154 RN	+	28	3967	-	-	-	-	-	CV5 to CV6
103 RN	+ 87					200	2	16	-	-	1	CV4
117 RN	+ 65					100	1	8	-	-	1	CV5
154 RN	+ 28					100	1	8	-	-	-	CV6
103 RN	+ 69					-	-	-	2	-	-	SC4
117 RN	+ 35					-	-	-	1	-	-	SC5
154 RN	+ 35					-	-	-	1	-	-	Existing SC6
103 RN	+ 87	to	109 RN	+	60	850	1	8	1	-	-	ITS Interconnect
1071-06-83 TOTAL						7422	5	40	5	-	2	
CONSTRUCTION TOTAL						12545	8	64	7	1	4	

3

Removals

Station	Dir	Location	204.0195 Removing Concrete Bases EACH	653.0905 Removing Pull Box EACH	SPV.0060.91 Removing Traffic Signal Units EACH	SPV.0060.99 Remove Existing Lighting Pole EACH	Description
1071-06-82 CAT 0010							
70 RN + 86	RIGHT	79	14	10	14	-	SC1
86 RN + 44	LEFT	85	17	14	17	-	SC2
1071-06-82 CAT 0010 TOTAL			31	24	31		
1071-06-82 CAT 0040							
53 RN + 65	LEFT	5	-	-	-	1	Existing LB1
1071-06-82 CAT 0040 TOTAL			-	-	-	1	
1071-06-82 TOTAL			31	24	31	1	
CONSTRUCTION TOTAL			31	24	31	1	

	WATER SERVICES									
			CORPORATION STOP	CORPORATION STOP	SERVICE STOP	SERVICE STOP	ADJUST SERVICE STOP ELEVATION	COPPER WATER SERVICE	COPPER WATER SERVICE	EXTEND WATER SERVICE
	STATION	LOCATION	1 - INCH	2 - INCH	1 - INCH	2 - INCH		1 - INCH	2 - INCH	
			SPV.0060.60	SPV.0060.45	SPV.0060.61	SPV.0060.46	SPV.0060.62	SPV.0090.66	SPV.0090.74	SPV.0090.67
			EACH	EACH	EACH	EACH	EACH	LIN. FEET	LIN. FEET	LIN. FEET
	11 AR + 74	8' LT		1.0000		1.0000			50.0000	
	15+60	8' LT	1.0000							
	15+60	23' LT			1.0000			20.0000		
	145 WG+66	30.4' RT					1.0000			
	146 WG+12	29.4' RT					1.0000			
	146 WG+18	24.7' RT					1.0000			
	146 WG+52	29.6' RT					1.0000			
	146 WG+69	30.1'LT								3.0000
	147 WG+34	29.5' LT								9.0000
	147 WG+36	32.4 RT								
	147 WG+54	29.5' LT								10.0000
	147 WG+80	30.2' RT					1.0000			
	147 WG+80	30.2' RT					1.0000			
	147 WG+96	30.2' LT								11.0000
	148 WG+21	30.9' RT					1.0000			
	148WG+28	26.7000					1.0000			
	148 WG+62	31.3' RT					1.0000			
	149 WG+27	43' LT					1.0000			10.0000
	149 WG+27	27' LT								25.0000
	149 WG+37	31.9' RT					1.0000			
1071-06-82	CATEGORY 0060	TOTAL	1.0000	1.0000	1.0000	1.0000	11.0000	20.0000	50.0000	68.0000

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0060
UNLESS OTHERWISE NOTED

PROJECT NO: **1071-06-82**	HWY: **USH 53**	COUNTY: **LA CROSSE**	**MISCELLANEOUS QUANTITIES**	SHEET	E

FILE NAME : PLOT DATE : PLOT BY : JMC PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

	FIRE HYDRANT							
			FIRE HYDRANT - NEW	R S HYDRANT CONTROL VALVE WITH ROAD BOX	NITRILE GASKETS	ADJUST FIRE HYDRANT ELEVATION	RELOCATE FIRE HYDRANT	D I HYDRANT LEAD WITH POLY WRAP
	STATION	LOCATION		6 INCH	6 INCH			6 INCH
			SPV.0060.64	SPV.0060.66	SPV.0060.69	SPV.0060.65	SPV.0060.63	SPV.0090.70
			EACH	EACH	EACH	EACH	EACH	LIN. FEET
	11 MS +25	22' LT					1	3
	54 RS+41	51' LT				1		
	150 WG+24	30.3' RT					1	3
	13 GS+17	17.5' RT					1	3
	11 AR + 80	20' LT	1	1	2			20
	13 AR + 30	20' LT	1	1				20
	155 WG+70	46'RT	1	1			1	5
	6 GS+59	35' LT	1	1			1	5
						1		
CATEGORY 0060	TOTAL		4	4	2	2	5	59

1071-06-82

	STATION	LOCATION	ADJUST WATER MAIN VALVE ROAD BOX ELEV	R S GATE VALVES WITH ROAD BOX
				8 - INCH
			SPV. 0060.67	SPV. 0060.48
			EACH	EACH
	13 AR + 40	8' RT		1.0000
	11 MS+26M	18.5 LT	1	
	11 MS+27M	36' RT	1	
	53 RS+08	51.4' LT	1	
	150 WG+16	17.1' RT	1	
	150 WG+20	21.5' RT	1	
	151 WG+03	39.1' RT	1	
	155 WG+96	16.5' LT	1	
	155 WG+96	16.5' LT	1	
	155 WG+84	36.5' RT	1	
	6 GS+71	4.3' RT	1	
	10 GS+41	64.1' RT	1	
	13 GS+16	13.2' RT	1	
	13 GS+17	17.5' RT	1	
	13 GS+46	27.5' RT	1	
	14 GS+00	19.7' RT	1	
	13 AR+90	109'RT	1	
CATEGORY 0060	TOTAL		16	1.0000

1071-06-82

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0060
UNLESS OTHERWISE NOTED

PROJECT NO: **1071-06-82**	HWY: **USH 53**	COUNTY: **LA CROSSE**	**MISCELLANEOUS QUANTITIES**	SHEET	E

FILE NAME : PLOT DATE : PLOT BY : JMC PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 42

			D I WATER MAIN WITH POLY WRAP	D I WATER MAIN WITH POLY WRAP	WATER MAIN CASING PIPE 0.25" WALL WITH END SEALS	SUPPORT SYSTEM FOR WATER MAIN INSIDE CASING PIPE	NITRILE GASKETS	TAPPING VALVE AND SLEEVE	D. I FITTING - 45 DEGREE BEND	D. I. FITTING - 45 DEGREE BENDS	D. I FITTING - REDUCER	D. I FITTING PLUG	D. I FITING - 8 x 6 INCH TEE FOR FIRE HYDRANT	CONNECT EXISTING WATER SERVICE TO NEW WATER MAIN	INSULATION BOARD POLYSTYRENE
			6 INCH	8 INCH	18 INCH	8 to 18 INCH	8 INCH	6 INCH	6 INCH	8 INCH	8 To 6 INCH	8 INCH	8 X 6 INCH		2 INCH
	FROM	TO	SPV.0090.68	SPV.0090.69	SPV.0090.76	SPV.0090.77	SPV. 0060.68	SPV. 0060.70	SPV.0060.72	SPV.0060.71	SPV.0060.73	SPV.0060.47	SPV.0060.74	SPV.0060.75	612.0902.S
			LIN. FEET	LIN. FEET	LIN. FEET	LIN. FEET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	S Y
	11 AR + 84	13 AR + 24			140	140									
	13' LT	13' LT													
	11 AR + 70	20 AR+10		816			5			2		1			168
	13' LT	8' LF													
	20 AR+10														
	8' LT							1			1				
	11 AR + 80												1		
	8' LT														
	13 AR + 30												1		
	8' LT														
	17 AR+60														
	8' LT									1					
	15 AR+60														
	8' LT													1	
	16+00 AR									1					
	8' RT														
	11 PS +50	20.5' RT													32
	149 WG+39	26' RT													32
	155 WG+04	16.8' LT													32
	155 WG+21	20.5' LT													32
	155 WG+55	20.9' LT	15						4						32
	10 GS+82	25' RT													32
	12 GS+51	30' LT													32
	6 GS+59	35' LT						1							
1071-06-82	CATEGORY 0060	TOTAL		15	816	140	140	5	2	4	4	1	1	2	1	392

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0060
UNLESS OTHERWISE NOTED

PROJECT NO: **1071-06-82**	HWY: **USH 53**	COUNTY: **LA CROSSE**	**MISCELLANEOUS QUANTITIES**	SHEET	E

FILE NAME : PLOT DATE : PLOT BY : JMC PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

	SANITARY SEWER								
			SANITARY MANHOLE			SEWER MAIN			
			SANITARY SEWER MANHOLE NEW - 48 INCH ID	SANITARY SEWER MANHOLE REMOVE	ADJUST SANITARY MANHOLE ELEV 48-INCH ID	SANITARY SEWER WYE PVC - 8 X 6 INCH	SDR 35 PVC SANITARY SEWER MAIN 8-INCH	SDR 35 PVC SANITARY SEWER MAIN 18- INCH	SDR 35 PVC SANITARY SEWER LATERAL 6-INCH
	STATION	LOCATION	SPV.0060.76	SPV.0060.77	SPV.0060.78	SPV.0060.79	SPV.0090.71	SPV.0090.75	SPV.0090.72
			EACH	EACH	EACH	EACH	LIN. FEET	LIN. FEET	LIN. FEET
	14 AR+10	0.00 RT	1						
							200		
	16 AR+10	0.00 RT	1						
							150		
	17 AR+60	0.00 RT	1						
							240		
	20 AR+00	0.00 RT	1						
	14 AR+20	0.00 LT				1			20
CATEGORY 0010	152 WG+82.8	82.2 LT		1				8	
	11 MS + 28	23' RT			1				
	11 MS+24	0' RT			1				
	11 MS+30	10' LT			1				
	145 WG+66	13.8' RT			1				
	149 WG+89	1' RT	1	1					
	151 WG+23	36.2'RT			1				
	11 MS+24	0' RT			1				
	11 PS+30	11' RT			1				
	151 WG+39	161' LT			1				
	13 TGS+64	30.6' RT			1				
	13 GS+56	1.1'LT			1				
	13 GS+16	29.1'LT			1				
CATEGORY 0010	8 GS + 63	11' LT	1						
								71	
CATEGORY 0010	8 GS + 87	47' RT	1						
1071-06-82, CAT 0060	Sub Total		5	1	11	1	590		20
1071-06-82 CATEGORY 0010	Sub Total		2.0000	1.0000				79	
	TOTAL		7	2	####	####	####	79	####

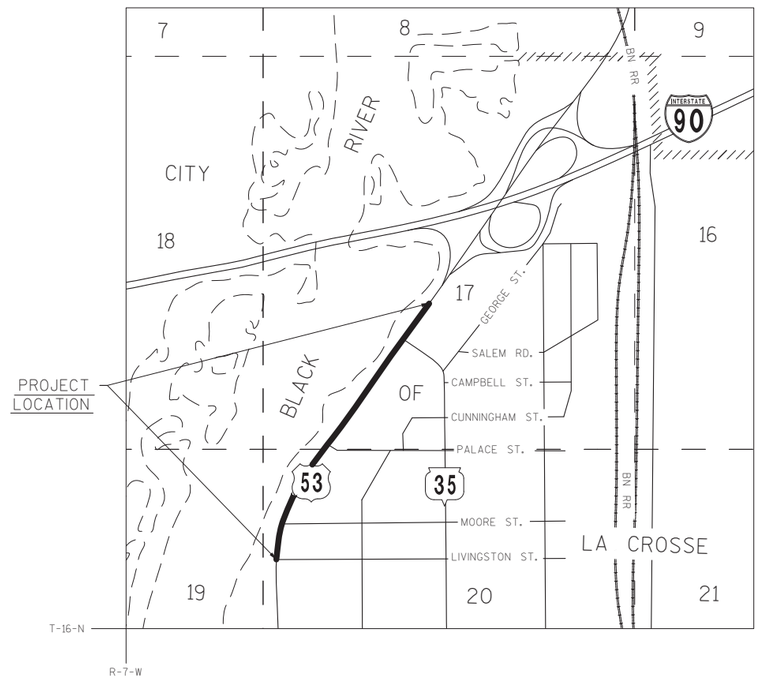
ALL ITEMS ON THIS SHEET
ARE CATEGORY 0060
UNLESS OTHERWISE NOTED

PROJECT NO: **1071-06-82**	HWY: **USH 53**	COUNTY: **LA CROSSE**	**MISCELLANEOUS QUANTITIES**	SHEET	E

FILE NAME : PLOT DATE : PLOT BY : JMC PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 42



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 1071-06-23
LA CROSSE - GALESVILLE
LIVINGSTON ST TO WEST GEORGE ST
USH 53
LA CROSSE COUNTY



GN

LAYOUT
SCALE 0 ½ MI.

THE NOTES, CONVENTIONAL SYMBOLS AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR 1071-06-23.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, LA CROSSE COUNTY, NAD 83 (1991) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" X 24" REBAR WITH A WISDOT CAP) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIREABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

EXISTING ROSE ST (USH 53) IS ESTABLISHED FROM EXISTING CENTERLINE AND PREVIOUS PROJECT U08-3(32).

EXISTING WEST GEORGE STREET IS ESTABLISHED FROM RESOLUTION DOCUMENT 726641.

EXISTING GEORGE STREET IS ESTABLISHED FROM CENTERLINE AND PREVIOUS PROJECT 5508.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	HUSBAND & WIFE	H&W
ACCESS RIGHTS	AR	GOVERNMENT	GOVT
ACRES	AC.	NEVADA	NV
AND OTHERS	ET. AL.	PROPERTY LINE	PL
CENTERLINE	C/L	RECORDED AS	(100')
CERTIFIED SURVEY MAP	CSM	REFERENCE LINE	R/L
CORNER	COR.	RELEASE OF RIGHTS	ROR
CORPORATION	CORP.	REMAINING	REM.
DOCUMENT	DOC.	RIGHT-OF-WAY	R/W
EASEMENT	EASE.	SECTION	SEC.
HIGHWAY EASEMENT	H.E.	STATION	STA.
LAND CONTRACT	LC	TEMPORARY LIMITED EASEMENT	TLE
PAGE	P.	VOLUME	V.
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	P.O.B.		
POINT OF END	P.O.E.		
POINT OF INTERSECTION	P.I.		
POINT OF CURVATURE	P.C.		
POINT OF TANGENCY	P.T.		
POINT OF REVERSE CURVE	P.R.C.		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN I.P.
(1" UNLESS NOTED)
R/W POINT TO BE MONUMENTED
R/W POINT NON-MONUMENTED
SIGN ISIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY RWB20
PARCEL NUMBER 102
UTILITY NUMBER 92
SIGN NUMBER (OFF PREMISE) I-25
BUILDING
BUILDING TO BE RAZED

PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
ACCESS RESTRICTED (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET
TEMPORARY LIMITED EASEMENT BOUNDARY 511

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

HIGHWAY DESIGNATIONS

COUNTY TRUCK HIGHWAY = C
INTERSTATE HIGHWAY = I
STATE TRUCK HIGHWAY = S
UNITED STATES HIGHWAY = U

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1071-06-23
SHEET 2 OF 2

TRANSPORTATION PROJECT PLAT NO.: 1071-06-23-4.01

PART OF PARCELS 1 AND 2 OF CERTIFIED SURVEY MAP NO. 40, AS DOCUMENT NO. 843137, FILED IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 40, PART OF CERTIFIED SURVEY MAP NO. 17, IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 17 AS DOCUMENT NO. 792760 (BEING A REVISION OF CERTIFIED SURVEY MAP NO. 15, IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 15, DOCUMENT NO.789944), PART OF LOTS 1, 2 AND 3 OF CERTIFIED SURVEY MAP 142 IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 142, AS DOCUMENT NO. 1400668, AND PART OF GOVERNMENT LOT 2, ALL IN SECTION 17, TOWNSHIP 16 NORTH, RANGE 7 WEST, IN THE CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER USH 53 - LIVINGSTON ST TO WEST GEORGE ST.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, 84.30, AND 62.22 WISCONSIN STATUTES, THE CITY OF LA CROSSE AND ALSO THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT OF TRANSPORTATION FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE AND ALSO IN THE NAME OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STATION AND OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET	POINT	STATION	OFFSET
201	19+67.54 AR	33.00'	219	18+12.75 AR	-33.00'	311	15+38.16 AR	120.47'
202	18+12.75 AR	33.00'	220	19+52.37 AR	-33.00'	312	16+48.41 AR	181.23'
203	17+17.64 AR	62.08'	221	19+67.44 AR	-48.09'	313	16+52.06 AR	173.99'
204	16+35.52 AR	33.49'	230	155+68.94 WG	-29.24'	314	17+05.49 AR	265.03'
205	15+91.38 AR	26.83'	231	156+13.34 WG	-61.50'	315	16+43.99 AR	117.24'
206	15+36.94 AR	52.22'	232	156+75.24 WG	-61.50'	325	15+74.13 AR	-44.29'
207	15+89.73 AR	107.63'	233	86+10.00 RN	73.03'	326	17+25.03 AR	-38.02'
208	14+83.82 AR	127.75'	234	85+85.00 RN	66.00'	327	17+98.84 AR	-39.97'
209	14+77.38 AR	94.37'	235	86+53.42 RN	66.00'	328	19+59.72 AR	-40.36'
210	13+69.38 AR	115.23'	236	157+05.23 WG	-29.25'	330	156+24.66 WG	-69.72'
211	13+36.88 AR	-52.99'	238	156+95.97 WG	-69.00'	331	85+76.08 RN	89.45'
212	13+66.63 AR	-84.60'	301	13+19.22 GS	-36.32'	332	85+59.05 RN	66.02'
213	13+72.01 AR	-56.70'	302	13+13.70 GS	-44.51'	333	156+98.79 WG	-79.12'
214	14+21.09 AR	-66.18'	303	19+59.55 AR	39.78'	334	156+88.13 WG	-69.94'
215	14+92.26 AR	-33.22'	304	17+75.81 AR	43.38'	1000	16+94.05 AR	282.08'
216	15+51.65 AR	-40.21'	305	17+74.99 AR	37.25'	1001	16+95.78 AR	279.32'
217	16+35.52 AR	-39.56'	306	16+98.60 AR	50.93'	1002	15+70.34 AR	113.58'
218	17+24.14 AR	-33.00'				1003	15+60.10 AR	116.03'

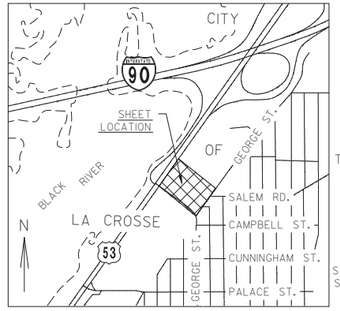
COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
203	204	N00° 11' 38"W	104.84'
204	205	N00° 11' 38"W	37.99'
205	206	N54° 21' 52"W	50.30'
206	207	S35° 29' 26"W	63.37'
207	208	N54° 21' 52"W	55.51'
208	209	N35° 29' 26"E	34.00'
209	210	N54° 30' 34"W	110.00'
210	211	N35° 29' 26"E	171.33'
211	212	N89° 40' 41"E	43.41'
212	213	S35° 29' 27"W	28.41'
213	214	S54° 30' 34"E	49.98'
214	215	S18° 43' 28"E	78.44'
215	216	S42° 00' 56"E	69.60'
216	217	S13° 52' 02"E	99.30'
217	218	S13° 52' 02"E	72.69'
218	219	S41° 59' 37"E	73.39'
219	220	S54° 41' 13"E	139.62'
220	221	N80° 16' 40"E	21.34'
221	201	S35° 14' 51"W	81.10'
201	202	N54° 41' 13"W	154.78'
202	203	N54° 41' 13"W	119.99'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED TOTAL	TLE	PLE
1	REINHART REAL ESTATE GROUP, INC	FEE, TLE	0.73	0.73	0.11	---
2	DIVNA BEOGRAD, LLC	FEE,PLE,TLE	0.25	0.25	0.31	0.03
3	REINHART REAL ESTATE GROUP, INC.	FEE, TLE	0.44	0.44	0.03	---
4	LABELLE LACROSSE, LLC	TLE	---	---	0.02	---
5	STEVE EARP d/b/a SSE MUSIC	TLE	---	---	0.03	---
29	WISE MANAGERS, INC.	FEE, TLE	0.11	0.11	0.05	---
30	EQK BRIDGEVIEW PLAZA, INC.	FEE	0.01	0.01	---	---



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
101	CITY OF LA CROSSE	RELEASE OF RIGHTS
103	XCEL ENERGY (ELEC.)	RELEASE OF RIGHTS

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
1002	1001	S35° 29' 26"W	219.90'
1001	1000	N54° 30' 34"W	5.00'
1000	1003	N35° 29' 26"E	219.90'
1003	1002	S54° 30' 34"E	5.00'

PREVIOUS ACCESS CONTROL ESTABLISHED FROM PROJECT T5101 (01) AND 1071-01-21.

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
9320	148812.985	447830.441	1" IRON PIPE
9322	148752.292	447915.534	1" IRON PIPE
9323	148878.581	447836.196	1" IRON PIPE
9329	148908.220	448041.405	1" IRON PIPE
9330	148915.136	448031.593	1" IRON PIPE
9332	148683.116	448401.892	1" IRON PIPE

FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #1664452 AND FILED IN THE TPP CABINET ON PAGE 70A.

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
CITY OF LA CROSSE	DOC. #833660 V. 543 P. 583	2, 3, 4
CITY OF LA CROSSE	DOC. #854998 V. 571 P. 422	1, 5
DIVNA BEOGRAD, LLC.	DOC. #833661 V. 543 P. 585	2, 5

EASEMENT TABLE

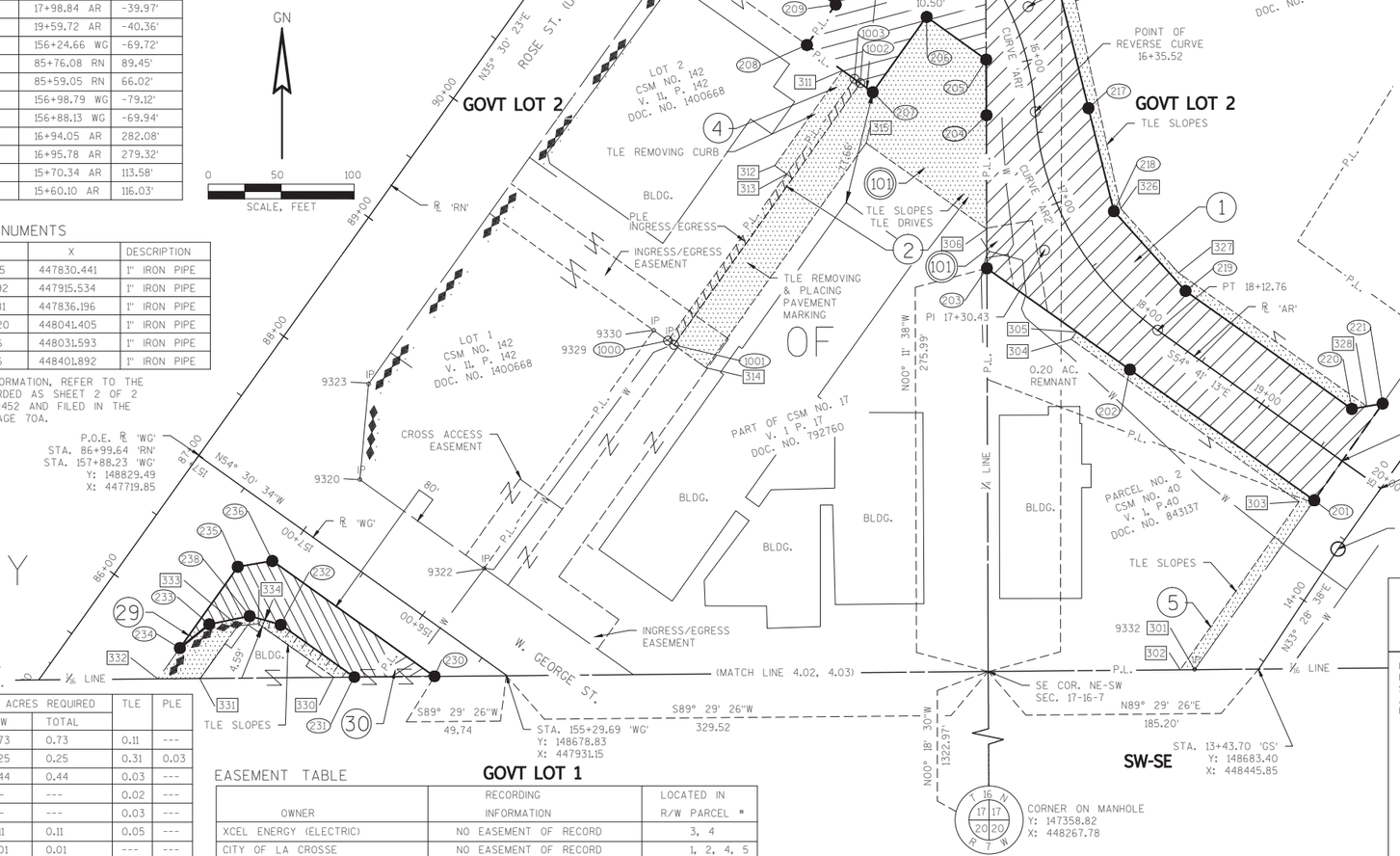
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
CITY OF LA CROSSE	DOC. #854999 V. 571 P. 423	1, 5
CITY OF LA CROSSE	DOC.#855000 V. 571 P. 424	1, 5
NORTHERN STATES POWER CO.	V. 181 P. 514	1, 5
CITY OF LA CROSSE	DOC. #831632 V. 540 P.917-924	2, 3, 4
RECIPROCAL EASEMENT, INGRESS/EGRESS	DOC. #1400833	2, 3, 4
SHARED ACCESS & SIGNAGE	DOC. #1404857	2, 3, 4

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
LABELLE LACROSSE, LLC	DOC. #1400668	2, 4
LABELLE LACROSSE, LLC	DOC. #831632 V. 540 P. 917-924	2, 4
LABELLE LACROSSE, LLC	DOC. 650478 V. 2, P. 346	2
LABELLE LACROSSE, LLC	DOC. 751826 V. 379, P. 321	2

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
230	231	S89° 29' 26"W	54.89'
231	232	N54° 30' 34"W	61.90'
232	238	N74° 23' 43"W	22.05'
238	233	S78° 26' 12"W	28.22'
233	234	S51° 10' 14"W	25.96'
234	235	N35° 29' 56"E	68.42'
235	236	N80° 29' 26"E	24.02'
236	230	S54° 30' 56"E	136.29'



EASEMENT TABLE

GOVT LOT 1

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
XCEL ENERGY (ELECTRIC)	NO EASEMENT OF RECORD	3, 4
CITY OF LA CROSSE	NO EASEMENT OF RECORD	1, 2, 4, 5

CURVE DATA - 'AR1'

P.I. STA.= 15+69.20 AR
Y= 149136.831
X= 448287.862
D= 28°38'52"
L= 138.45'
T= 72.13'
R= 200.00'
P.C. STA.= 14+97.07 AR
Y= 149189.08
X= 448238.14
P.R.C. STA.= 16+35.52 AR
Y= 149064.87
X= 448292.79

CURVE DATA - 'AR2'

P.I. STA.= 17+30.43 AR
Y= 148970.18
X= 448299.26
D= 28°38'52"
L= 177.23'
T= 94.91'
R= 200.00'
P.R.C. STA.= 16+35.52 AR
Y= 149064.87
X= 448292.79
P.T. STA.= 18+12.76 AR
Y= 148915.32
X= 448376.71

DOCUMENT #1668650

FILED IN TPP CABINET ON PAGE 71A

IN THE OFFICE OF THE REGISTER OF DEEDS IN LA CROSSE COUNTY, ON 01/08/2016.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1071-06-23-4.01

K. Singh & Associates, Inc.
ENGINEERS, SCIENTISTS, & ENVIRONMENTAL CONSULTANTS
3636 N. 124th Street
Wauwatosa, WI 53222
Phone: (262) 821-1171 www.ksaconsultants.com

I, PAUL KUBICEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
PAUL A. KUBICEK
S-2232
OAK CREEK, WI
LAND SURVEYOR

SIGNATURE: _____ DATE: 12/16/15

PRINT NAME: PAUL A. KUBICEK
REGISTRATION NUMBER: S-2232

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

SIGNATURE: _____ DATE: 1/7/16

PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO.: 1071-06-23-4.02

PART OF LOT 1 OF WHITE EAGLE ADDITION TO THE CITY OF LA CROSSE, PART OF LOT 2 IN BLOCK 4 OF ST. PAUL SECOND ADDITION, TO THE CITY OF LA CROSSE, PART OF LOTS 11,12,13,14,15,16,17,18,19 AND 20 IN BLOCK 5 OF ST. PAUL SECOND ADDITION, TO THE CITY OF LA CROSSE, PART OF LOTS 1,2,3,4,5,6,7,8,9,10 AND 11, IN BLOCK 2 OF N.W. TWINING'S ADDITION TO THE CITY OF LA CROSSE, PART OF GOVERNMENT LOT 1 (BEING THAT PART OF THE FRACTIONAL S 1/2 OF THE SW 1/4 LYING EAST OF THE BLACK RIVER), AND PART OF THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 17, TOWNSHIP 16 NORTH, RANGE 7 WEST, IN THE CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER USH 53 - LIVINGSTON ST TO WEST GEORGE ST.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, 84.30, AND 62.22 WISCONSIN STATUTES, THE CITY OF LA CROSSE AND ALSO THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT OF TRANSPORTATION FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE AND ALSO IN THE NAME OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED TOTAL	TLE
6	ZIETLOW FAMILY REAL ESTATE HOLDINGS LLC	FEE, TLE	0.01	0.01	0.07
7	EMILY M HAZELTON REVOCABLE TRUST	FEE, TLE	0.01	0.01	0.03
8	TED A. ROBERTS AND PATRICIA Q. ROBERTS	FEE, TLE	0.01	0.01	0.02
9	TODD G HOLLEY	FEE, TLE	0.01	0.01	0.01
10	COLLEEN F SMITH	FEE, TLE	0.01	0.01	0.01
12	JEFFERY L HEILMAN AND LINDA MARIE HEILMAN, H&W	FEE, TLE	0.01	0.01	0.03
13	DONOVAN BORSHEIM AS TRUSTEE OF THE DONOVAN B. BORHSEIM TRUST OF 2013	FEE, TLE	0.01	0.01	0.02
14	MARK F DEVINE AND CAROL A DEVINE, H&W	FEE, TLE	0.01	0.01	0.02
15	REESE M WAIT AND JODI L WAIT, H&W	FEE, TLE	0.01	0.01	0.02
16	ROBERT KREMER	FEE, TLE	0.01	0.01	0.01
17	SHANNON L ROCHESTER	FEE, TLE	0.01	0.01	0.01
19	GORDON R SEIFERT AND JUANITA M SEIFERT, HIS WIFE	FEE, TLE	0.01	0.01	0.02
20	MARK D PRETASKY	TLE	---	---	0.02
21	TERRY C MCINTYRE AND NANCY A MCINTYRE, H&W	TLE	---	---	0.02
22	RICHARD A VALENTINE & ELLEN VALENTINE, AS JOINT TENTANTS	TLE	---	---	0.02
23	LAURA A RICHMOND	FEE, TLE	0.01	0.01	0.01
24	KARI JO LANZEL	FEE, TLE	0.01	0.01	0.01
25	AARON D BRADLE AND SARAH A BRADLE, H&W	FEE, TLE	0.01	0.01	0.01
26	JAMES R SCHMIDT	FEE, TLE	0.02	0.02	0.01
27	NICHOLAS STEVE POPOUTSIS AND DARLENE L POPOUTSIS, H&W	FEE, TLE	0.02	0.02	0.01
28	BERNARD E KRANZ AND PAULETTE KRANZ JOINTLY AS JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP	FEE, TLE	0.03	0.03	0.01

STATION AND OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
260	145+58.61 WG	-33.54'	360	145+58.56 WG	-45.21'
261	147+50.28 WG	-48.92'	361	148+29.30 WG	-59.42'
262	148+29.29 WG	-52.07'	362	10+67.02 GS	-47.36'
263	148+29.25 WG	-32.20'	363	11+58.13 GS	-48.02'
264	150+18.31 WG	-29.10'	364	13+13.70 GS	-44.51'
265	10+77.41 GS	-40.00'	365	13+19.22 GS	-36.32'
266	11+58.94 GS	-40.00'	370	145+59.03 WG	44.13'
267	12+63.52 GS	28.00'	371	146+79.03 WG	46.12'
268	12+02.83 GS	28.00'	372	149+51.65 WG	55.34'
269	11+79.71 GS	28.80'	373	149+51.63 WG	69.71'
270	11+34.70 GS	29.87'	374	149+59.14 WG	69.65'
271	10+71.15 GS	55.93'	375	150+11.32 WG	70.75'
272	150+94.39 WG	58.91'	376	150+26.95 WG	73.32'
273	150+33.69 WG	40.16'	377	150+30.70 WG	46.63'
274	150+14.32 WG	40.14'	378	150+95.53 WG	66.81'
275	149+59.02 WG	40.00'	379	11+02.06 GS	44.23'
276	147+83.85 WG	40.00'	380	11+84.24 GS	36.20'
277	146+86.90 WG	33.52'	381	12+06.84 GS	33.93'
278	145+59.00 WG	33.28'	382	13+34.20 GS	44.94'
279	11+09.08 GS	-39.50'	383	13+24.04 GS	29.86'

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
260	261	N05° 00' 23"W	192.28'
261	262	N02° 41' 56"W	79.07'
262	263	N89° 41' 57"E	19.87'
263	264	N00° 18' 39"W	185.13'
264	265	N08° 37' 15"E	208.41'
265	279	N57° 41' 11"E	26.03'
279	266	N45° 27' 59"E	40.93'
266	267	N68° 05' 25"E	121.67'
267	268	S33° 28' 38"W	60.69'
268	269	S31° 38' 18"W	23.63'
269	270	S39° 01' 18"W	50.84'
270	271	S35° 14' 26"W	79.76'
271	272	S16° 05' 52"W	21.38'
272	273	S00° 18' 30"E	71.67'
273	274	S08° 47' 49"E	21.60'
274	275	S02° 57' 06"E	60.05'
275	276	S00° 25' 04"E	175.17'
276	277	S03° 24' 17"W	97.16'
277	278	S00° 18' 30"E	127.90'
278	260	S89° 14' 59"W	66.82'

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
9321	148518.809	448243.006	1½" IRON PIPE
9332	148683.116	448401.892	1" IRON PIPE
9333	148527.348	448291.939	1" IRON PIPE

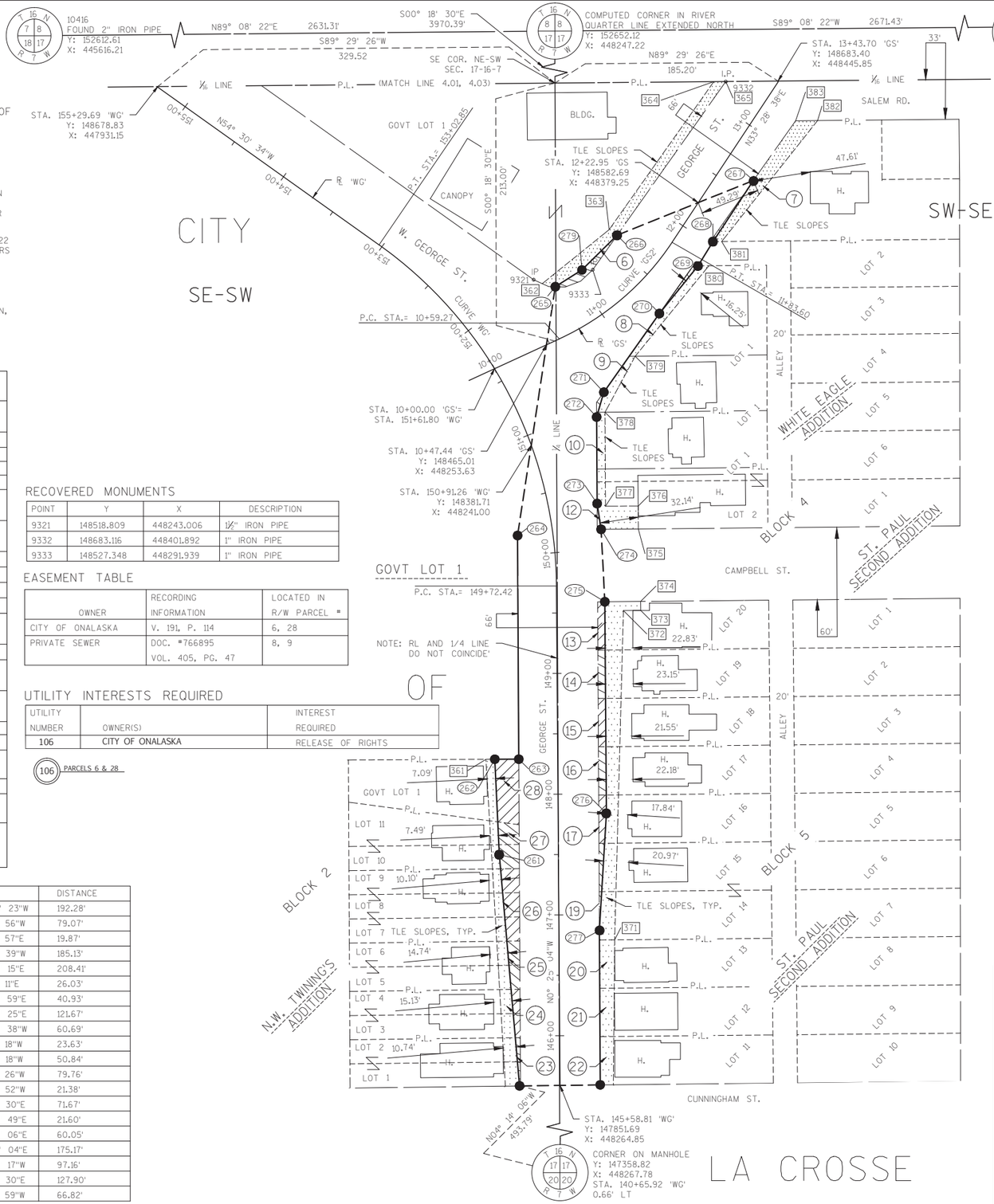
EASEMENT TABLE

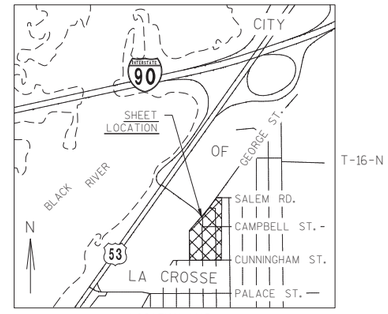
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
CITY OF ONALASKA	V. 191, P. 114	6, 28
PRIVATE SEWER	DOC. #766895 VOL. 405, PG. 47	8, 9

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
106	CITY OF ONALASKA	RELEASE OF RIGHTS

(106) PARCELS 6 & 28





DOCUMENT #1664452

FILED IN TPP CABINET ON PAGE 70A

IN THE OFFICE OF THE REGISTER OF DEEDS IN LA CROSSE COUNTY, ON 10/06/2015.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1071-06-23-4.02
SHEET 1 OF 2

CURVE DATA - 'WG'

P.I. STA.= 151+51.11 WG
X= 448260.53
Y= 148443.97
D= 16°22'13"
L= 330.43'
T= 178.69'
R= 350.00'
P.C. STA.= 149+72.42 WG
Y= 148265.29
X= 448261.83
P.T. STA.= 153+02.85 WG
Y= 148547.71
X= 448115.04

CURVE DATA - 'GS2'

P.I. STA.= 11+23.09 GS
Y= 148496.64
X= 448322.34
D= 25°34'43"
L= 124.33'
T= 63.81'
R= 224.00'
P.C. STA.= 10+59.27 GS
Y= 148469.95
X= 448264.38
P.T. STA.= 11+83.60 GS
Y= 148549.86
X= 448357.54

K. Singh & Associates, Inc.
ENGINEERS, SCIENTISTS, & ENVIRONMENTAL CONSULTANTS
3636 N. 124th Street
Wauwatosa, WI 53222
Phone: (262) 821-1171 www.ksaconsultants.com

I, PAUL KUBICEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN PAUL A. KUBICEK S-2232 OAK CREEK, WI LAND SURVEYOR

SIGNATURE: Paul A. Kubicek DATE: 9/21/15

PRINT NAME: PAUL KUBICEK
REGISTRATION NUMBER: S-2232

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

SIGNATURE: Cory Schlagel DATE: 9/28/15

PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO.: 1071-06-23-4.03 AMENDMENT 2

THIS ADDS UTILITY NUMBER 100; AND AMENDS UTILITY NUMBER 101 OF TRANSPORTATION PROJECT PLAT 1071-06-23-4.03 AMENDMENT 1, RECORDED AS DOCUMENT #1668652 PAGE 72A AND FILED IN TRANSPORTATION PROJECT PLATS IN THE OFFICE OF THE REGISTER OF DEEDS IN LA CROSSE COUNTY.

PART OF GOVERNMENT LOT 1 OF SECTION 17, TOWNSHIP 16 NORTH, RANGE 7 WEST IN THE CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER USH 53 - LIVINGSTON ST TO WEST GEORGE ST.

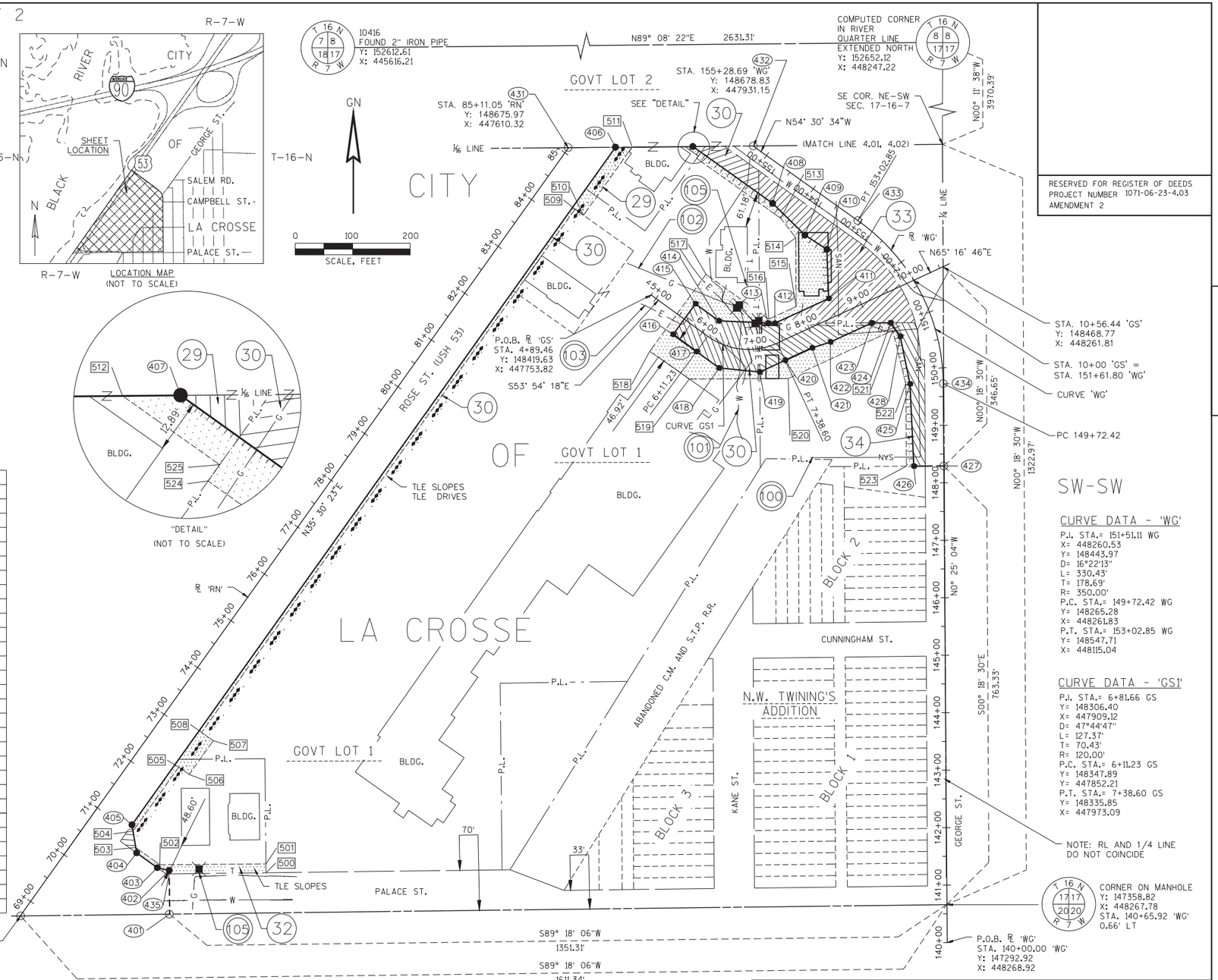
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, 84.30, AND 62.22 WISCONSIN STATUTES, THE CITY OF LA CROSSE AND ALSO THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT OF TRANSPORTATION FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE AND ALSO IN THE NAME OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
(NOT TO SCALE)

"DETAIL"
(NOT TO SCALE)



RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1071-06-23-4.03 AMENDMENT 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED TOTAL	TLE
29	WISE MANAGERS	FEE, AR, TLE	0.01	0.01	0.06
30	EOK BRIDGEVIEW PLAZA INC	FEE, AR, TLE	0.34	0.34	0.49
32	AKD PETROLEUM, LLC	FEE, TLE	0.02	0.02	0.07
33	FRANCHISE REALTY INTERSTATE CORP	FEE, AR, TLE	0.58	0.58	0.19
34	MCDONALD'S CORPORATION	FEE, AR, TLE	0.35	0.35	0.20

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
427	426	S89° 35' 10"W	52.07'
426	425	N02° 41' 54"W	143.29'
425	428	N11° 36' 56"W	84.46'
428	424	N35° 30' 16"W	28.92'
424	423	S89° 46' 41"W	32.33'
423	422	S65° 16' 46"W	79.56'
422	421	S72° 09' 27"W	33.40'
421	420	S65° 16' 46"W	51.72'
420	419	S65° 16' 46"W	48.50'
419	418	N84° 18' 46"W	71.23'
418	417	N53° 54' 18"W	48.50'
417	416	N53° 54' 18"W	50.38'
416	415	N36° 05' 42"E	66.00'
415	414	S53° 54' 18"E	50.38'
414	413	S87° 31' 48"E	85.39'
413	412	S87° 31' 48"E	12.04'
412	411	N65° 18' 34"E	103.00'
411	410	N02° 04' 40"W	85.58'
410	409	N56° 46' 34"W	45.53'
409	408	N45° 31' 11"W	78.72'
408	407	N54° 30' 34"W	170.35'
407	432	N89° 29' 25"E	104.63'
432	433	S54° 30' 34"E	225.85'
CURVE 'WG'		S27° 27' 49"E	318.29'
434	427	S00° 25' 04"E	143.18'

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
401	430	S89° 18' 06"W	260.03'
430	431	N35° 30' 23"E	1642.17'
431	406	N89° 29' 29"E	81.63'
406	405	S35° 30' 06"W	1448.13'
405	404	S09° 26' 20"E	49.53'
404	403	S54° 24' 20"E	44.06'
403	402	S76° 54' 03"E	21.28'
402	435	S00° 41' 39"E	6.13'
435	401	S00° 41' 39"E	70.00'

FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #1664452 AND FILED IN TPP CABINET ON PAGE 70A.

PREVIOUS ACCESS CONTROL ESTABLISHED FROM PROJECT T5101 (01) 1070-01-21.

STATION AND OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
401	70+22.48 RN	209.83'	432	155+28.69 WG	0.00'
402	70+83.91 RN	164.86'	433	153+02.85 WG	0.00'
403	70+75.80 RN	145.19'	434	149+72.42 WG	0.00'
404	70+75.87 RN	101.13'	435	70+78.97 RN	168.48'
405	71+10.92 RN	66.14'	500	71+78.43 RN	304.35'
406	85+59.05 RN	66.02'	501	71+90.88 RN	295.28'
407	156+13.34 WG	-61.50'	502	70+82.42 RN	145.99'
408	154+42.99 WG	-61.50'	503	70+82.50 RN	94.51'
409	153+65.24 WG	-73.80'	504	71+03.05 RN	74.00'
410	153+19.75 WG	-72.00'	505	72+39.91 RN	74.00'
411	8+52.31 GS	-33.00'	506	72+39.89 RN	96.23'
412	7+49.32 GS	-33.05'	507	73+12.00 RN	96.23'
413	7+38.60 GS	-38.56'	508	73+12.01 RN	71.45'
414	6+11.23 GS	-33.00'	509	84+30.32 RN	71.30'
415	5+60.85 GS	-33.00'	510	84+30.33 RN	89.47'
416	5+60.85 GS	33.00'	511	85+76.16 RN	89.55'
417	6+11.23 GS	33.00'	512	154+24.65 WG	-69.72'
418	6+48.07 GS	40.50'	513	154+16.51 WG	-74.46'
419	7+01.77 GS	40.50'	514	153+75.53 WG	-86.85'
420	7+38.60 GS	33.00'	515	7+95.11 GS	-43.95'
421	7+90.33 GS	33.00'	516	7+42.90 GS	-43.97'
422	8+23.49 GS	37.00'	517	5+45.35 GS	-85.26'
423	9+03.04 GS	37.00'	518	5+45.35 GS	80.57'
424	9+32.46 GS	50.40'	519	6+22.20 GS	79.79'
425	149+72.42 WG	-57.77'	520	7+33.17 GS	64.19'
426	148+29.25 WG	-52.07'	521	150+91.74 WG	-71.05'
427	148+29.24 WG	0.80'	522	149+72.42 WG	-65.00'
428	9+37.87 GS	78.82'	523	148+29.31 WG	-65.00'
430	68+68.88 RN	0.00'	524	155+95.89 WG	-74.46'
431	85+11.05 RN	0.00'	525	155+95.89 WG	-69.62'

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
NORTHERN STATES POWER CO.	DOC. #818249 V. 513 P. 409-411	34
CITY OF ONALASKA	DOC. #975379 V. 757 P. 805	34
EOK BRIDGEVIEW PLAZA INC.	DOC. #1408342	29, 30, 31
CITY OF ONALASKA	V. 191, P. 114	33, 34

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
XCEL ENERGY (GAS)	NO EASEMENT OF RECORD	30
XCEL ENERGY (ELECTRIC)	NO EASEMENT OF RECORD	30
CENTURY LINK	NO EASEMENT OF RECORD	30, 32
CITY OF LA CROSSE	NO EASEMENT OF RECORD	30

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	CITY OF LA CROSSE (SEWER)	RELEASE OF RIGHTS
101	CITY OF LA CROSSE (WATER)	RELEASE OF RIGHTS
102	XCEL ENERGY (GAS)	RELEASE OF RIGHTS
103	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS
105	CENTURY LINK	RELEASE OF RIGHTS
106	CITY OF ONALASKA	RELEASE OF RIGHTS

K. Singh & Associates, Inc.
ENGINEERS, SCIENTISTS, & ENVIRONMENTAL CONSULTANTS
3636 N. 124th Street
Wauwatosa, WI 53222
Phone: (262) 821-1171
www.ksconsultants.com

I, PAUL KUBICEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN PAUL A. KUBICEK S-2232 OAK CREEK, WI LAND SURVEYOR

SIGNATURE: _____ DATE: 6/6/16

PRINT NAME: PAUL A. KUBICEK
REGISTRATION NUMBER: S-2232

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

SIGNATURE:_____ DATE:

PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO.: 1071-06-23-4.04

PART OF LOT 1 IN THE MARINE TERRACE ADDITION TO THE CITY OF LA CROSSE; PART OF GOVERNMENT LOT 1 AND PART OF THE SW 1/4 OF THE NW 1/4, ALL IN SECTION 20, TOWNSHIP 16 NORTH, RANGE 7 WEST, IN THE CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER USH 53 - LIVINGSTON ST TO WEST GEORGE ST.

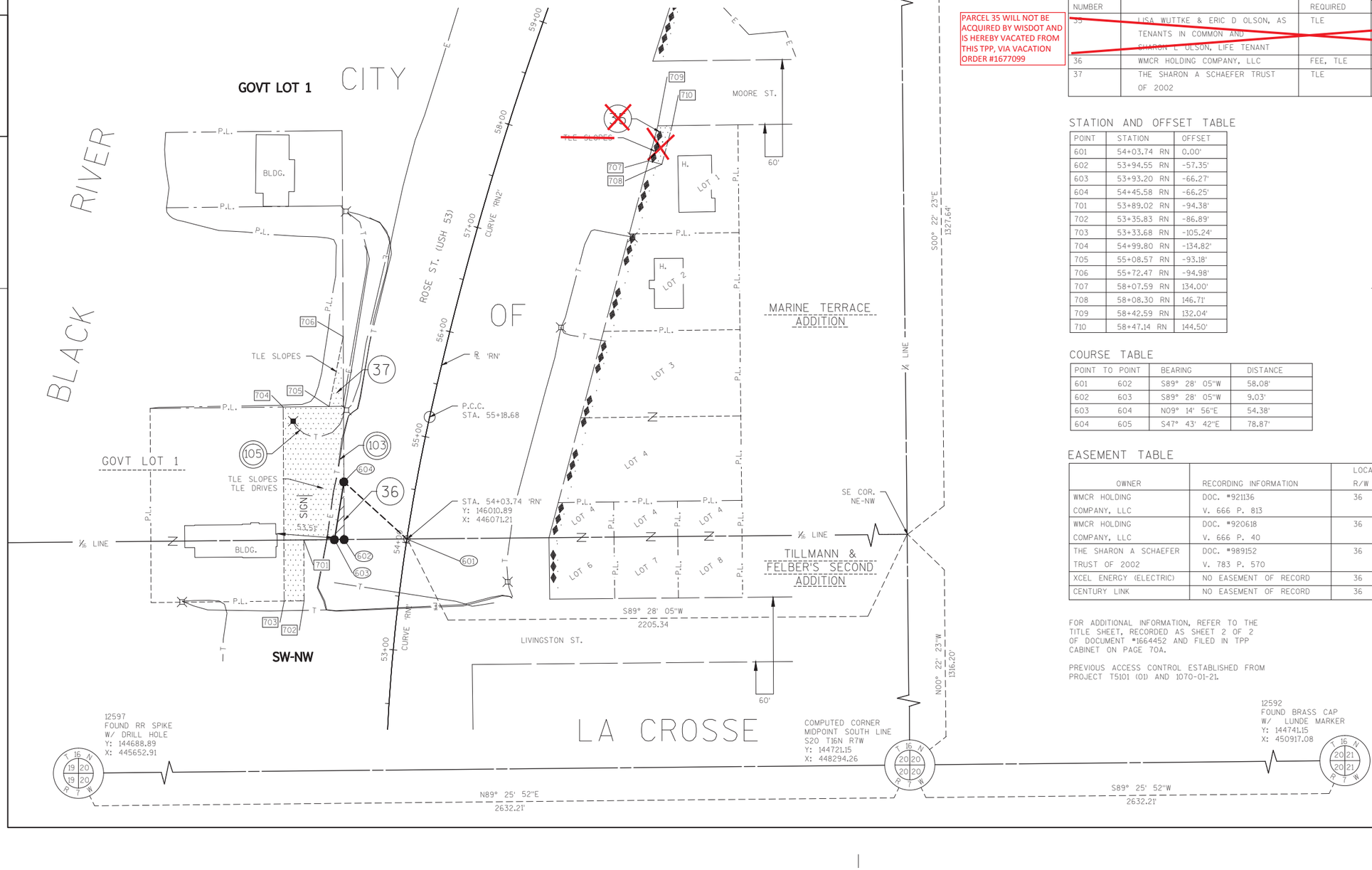
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, 84.30, AND 62.22 WISCONSIN STATUTES, THE CITY OF LA CROSSE AND ALSO THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT OF TRANSPORTATION FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE AND ALSO IN THE NAME OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
103	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS
105	CENTURY LINK	RELEASE OF RIGHTS



CORNER ON MANHOLE
Y: 147358.82
X: 448267.78
STA. 140+65.92 'WC'
0.66' LT

PARCEL 35 WILL NOT BE ACQUIRED BY WISDOT AND IS HEREBY VACATED FROM THIS TPP, VIA VACATION ORDER #1677099

CURVE DATA - 'RN1'

P.I. STA.=53+22.29 RN
Y= 145930.44
X= 446049.48
D= 03°17'48"
L= 394.48'
T= 198.09'
R= 1738.00'
P.C. STA.= 51+24.20 RN
Y= 145732.36
X= 446051.23
P.T. STA.= 55+18.68 RN
Y= 146123.84
X= 446092.36

CURVE DATA - 'RN2'

P.I. STA.= 61+49.56 RN
Y= 146739.76
X= 446228.91
D= 01°50'54"
L= 1244.76'
T= 631.88'
R= 3100.00'
P.C. STA.= 55+18.68 RN
Y= 146123.84
X= 446092.36
P.T. STA.= 67+63.44 RN
Y= 147253.33
X= 446595.32

GN

0 50 100
SCALE, FEET

DOCUMENT #1668651

FILED IN TPP CABINET ON PAGE 71B

IN THE OFFICE OF THE REGISTER OF DEEDS IN LA CROSSE COUNTY, ON 01/08/2016.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1071-06-23-4.04

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED TOTAL	TLE
~~35~~	~~LISA WUTTKE & ERIC D OLSON, AS TENANTS IN COMMON AND SHARON L OLSON, LIFE TENANT~~	~~TLE~~	~~---~~	~~---~~	~~0.01~~
36	WMCR HOLDING COMPANY, LLC	FEE, TLE	0.01	0.01	0.19
37	THE SHARON A SCHAEFER TRUST OF 2002	TLE	---	---	0.01

STATION AND OFFSET TABLE

POINT	STATION	OFFSET
601	54+03.74 RN	0.00'
602	53+94.55 RN	-57.35'
603	53+93.20 RN	-66.27'
604	54+45.58 RN	-66.25'
701	53+89.02 RN	-94.38'
702	53+35.83 RN	-86.89'
703	53+33.68 RN	-105.24'
704	54+99.80 RN	-134.82'
705	55+08.57 RN	-93.18'
706	55+72.47 RN	-94.98'
707	58+07.59 RN	134.00'
708	58+08.30 RN	146.71'
709	58+42.59 RN	132.04'
710	58+47.14 RN	144.50'

COURSE TABLE

POINT	TO POINT	BEARING	DISTANCE
601	602	S89° 28' 05"W	58.08'
602	603	S89° 28' 05"W	9.03'
603	604	N09° 14' 56"E	54.38'
604	605	S47° 43' 42"E	78.87'

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #
WMCR HOLDING COMPANY, LLC	DOC. #921136 V. 666 P. 813	36
WMCR HOLDING COMPANY, LLC	DOC. #920618 V. 666 P. 40	36
THE SHARON A SCHAEFER TRUST OF 2002	DOC. #989152 V. 783 P. 570	36
XCEL ENERGY (ELECTRIC)	NO EASEMENT OF RECORD	36
CENTURY LINK	NO EASEMENT OF RECORD	36

FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #1664452 AND FILED IN TPP CABINET ON PAGE 70A.

PREVIOUS ACCESS CONTROL ESTABLISHED FROM PROJECT T5101 (01) AND 1070-01-21.

LOCATION MAP (NOT TO SCALE)

K. Singh & Associates, Inc.
ENGINEERS, SCIENTISTS, & ENVIRONMENTAL CONSULTANTS
3636 N. 124th Street
Wauwatosa, WI 53222
Phone: (262) 821-1171 www.ksaconsultants.com

I, PAUL KUBICEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN PAUL A. KUBICEK S-2232 OAK CREEK, WI LAND SURVEYOR

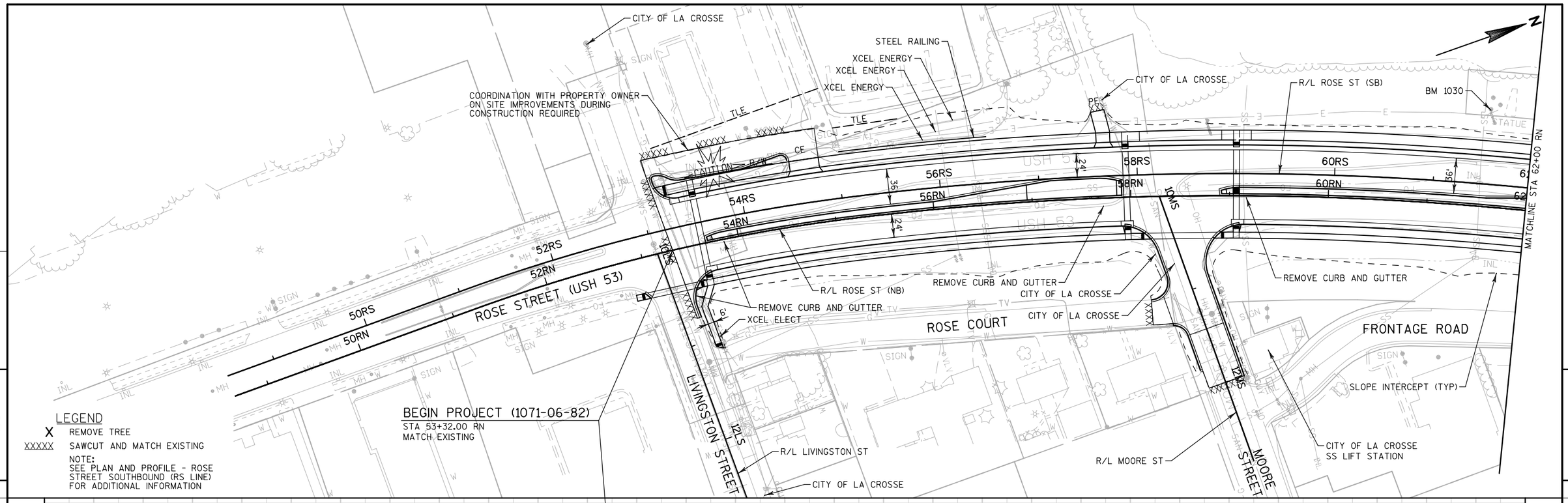
SIGNATURE: Paul A. Kubicek DATE: 12/16/15

PRINT NAME: PAUL A. KUBICEK
REGISTRATION NUMBER: S-2232

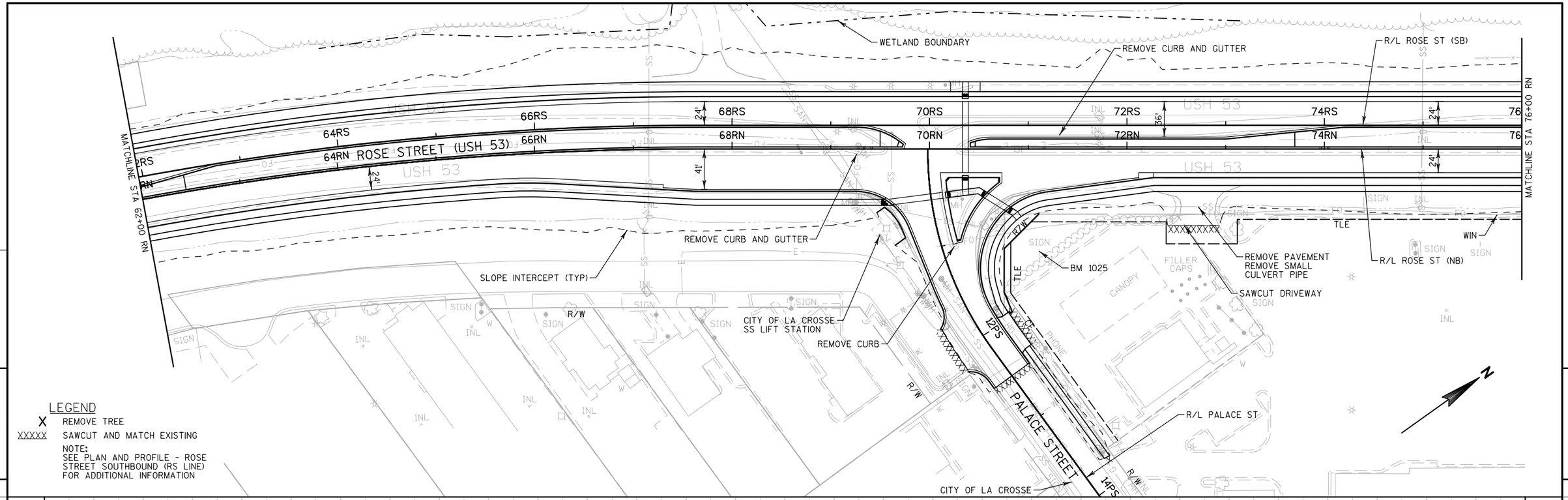
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

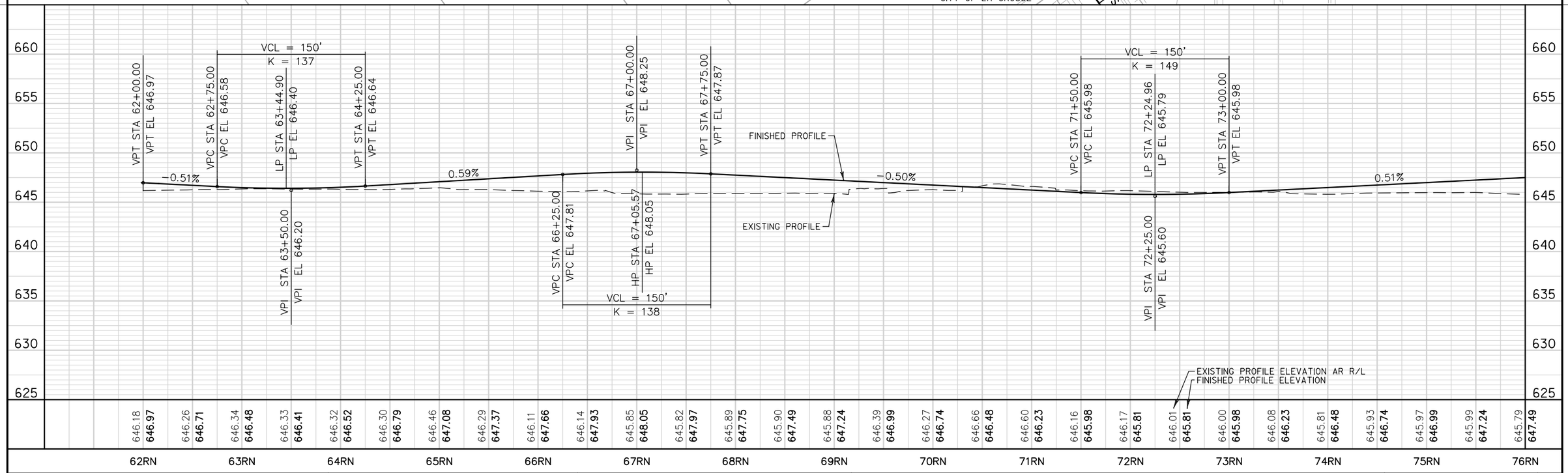
SIGNATURE: Cory Schlagel DATE: 1/7/16

PRINT NAME: CORY SCHLAGEL



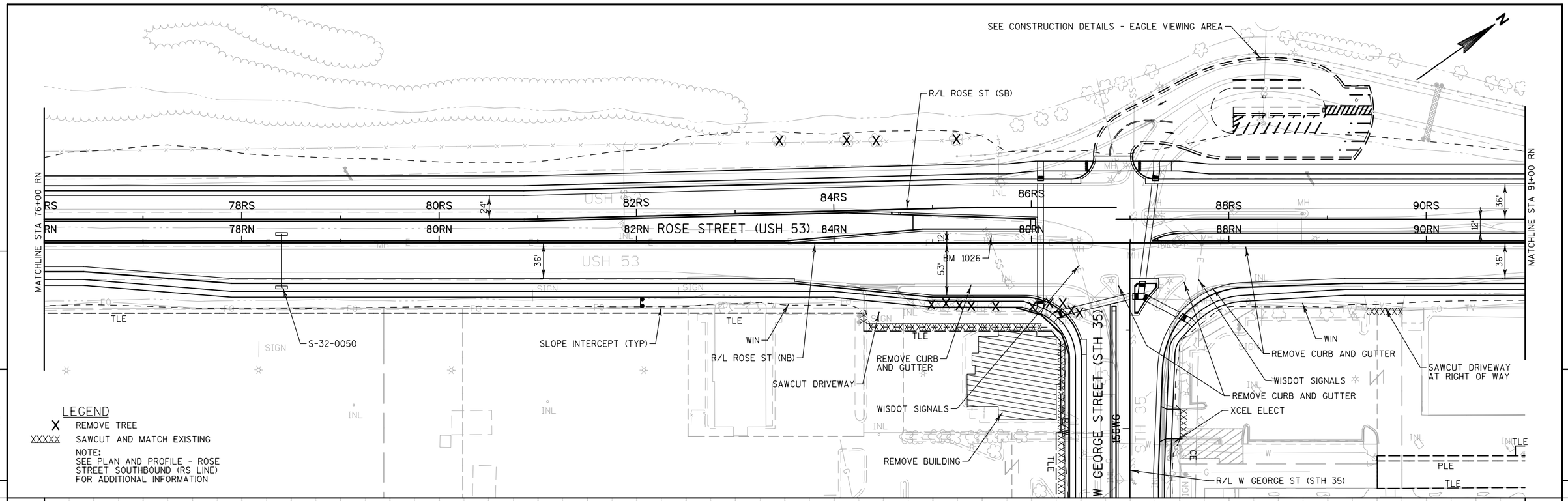
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET NORTHBOUND (RN LINE)	SHEET 563	E

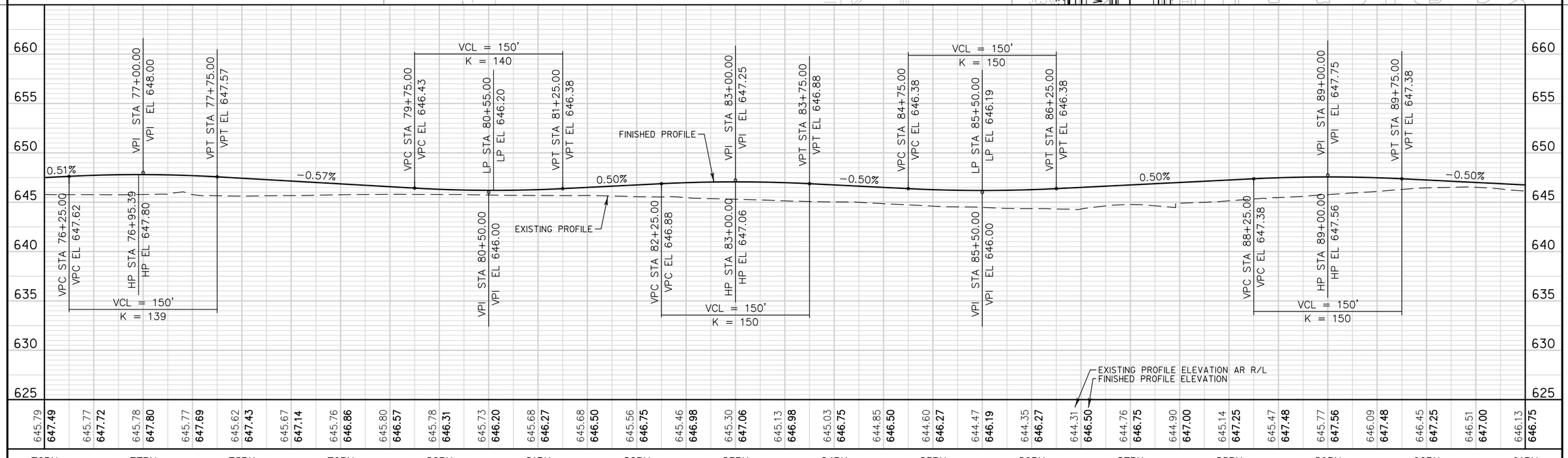




PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET NORTHBOUND (RN LINE)	SHEET 564 E

FILE NAME : ch_0682_050102_pp-50 Scale.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1





PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STEET NORTHBOUND (RN LINE)	SHEET 565 E

FILE NAME : ch_0682_050103_pp-50Scale.dgn PLOT DATE : 22-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

MATCHLINE STA 91+00 RN

S-32-0052

BUSINESS SIGN TO BE REMOVED BY OTHERS

R/L ROSE ST (SB)

92RS 94RS 96RS 98RS

92RN 94RN 96RN ROSE STREET (USH 53) 98RN

36'

36'

+00 RN

SAWCUT DRIVEWAY AT RIGHT OF WAY

XXXXX

W/R

144R

R/L ROSE ST (NB)

SLOPE INTERCEPT (TYP)

WIN

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.00 RN

TLE

PLE

TLE

R/W

REMOVE BUSINESS SIGN
SSE MUSIC

LEGEND

X REMOVE TREE

XXXXX SAWCUT AND MATCH EXISTING

NOTE:
SEE PLAN AND PROFILE - ROSE STREET SOUTHBOUND (RS LINE) FOR ADDITIONAL INFORMATION

VCL = 150'
K = 117

VPC STA 91+75.00
VPC EL 646.38

LP STA 92+33.72
LP EL 646.23

VPT STA 93+25.00
VPT EL 646.58

VPI STA 92+50.00
VPI EL 646.00

FINISHED PROFILE

EXISTING PROFILE

0.78%

−0.50%

VPC STA 96+25.00
VPC EL 648.91

VCL = 150'
K = 543

VPI STA 97+00.00
VPI EL 649.50

VPT STA 97+75.00
VPT EL 649.87

VPI STA 98+00.00
VPI EL 650.00

0.50%

VPC STA 99+00.00
VPC EL650.50

VPI STA 103+00.00
VPI EL652.50

FOR INFORMATION ONLY
SEE ID 1071-06-83

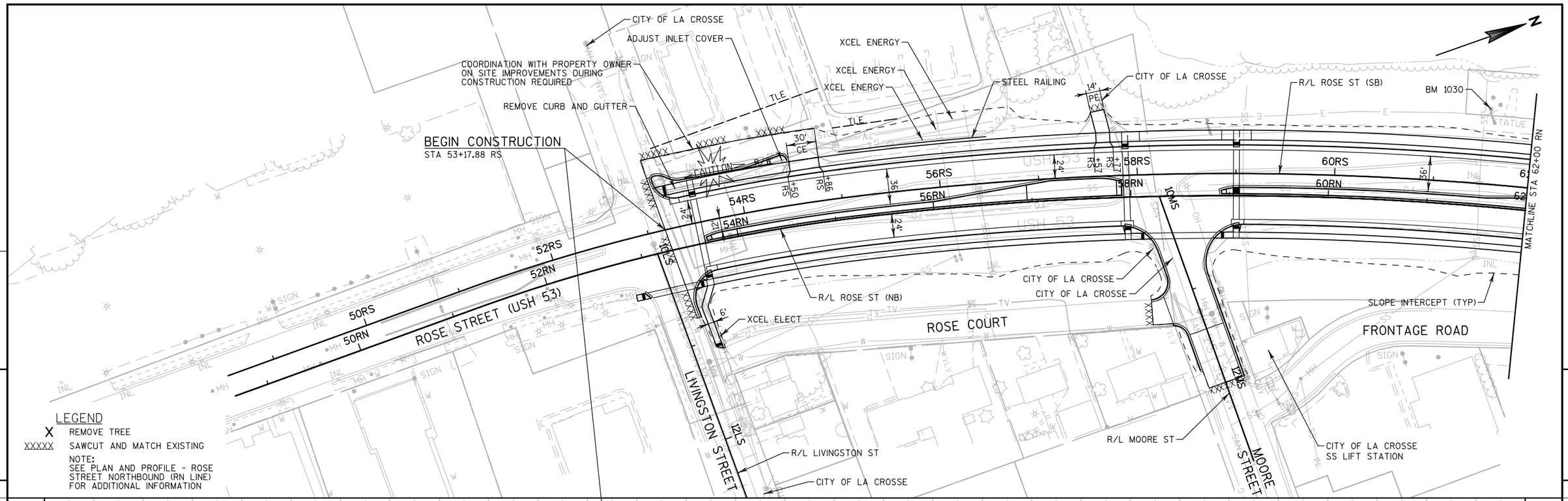
EXISTING PROFILE ELEVATION AR R/L
FINISHED PROFILE ELEVATION

660 655 650 645 640 635 630 625

646.13	646.27	646.44	646.55	646.62	646.65	646.61	646.61	646.54	646.52	646.45	646.53	646.57	646.53	646.52
646.75	**646.50**	**646.28**	**646.24**	**646.42**	**646.78**	**647.17**	**647.55**	**647.94**	**648.33**	**648.72**	**649.10**	**649.45**	**649.74**	**650.00**

91RN 92RN 93RN 94RN 95RN 96RN 97RN 98RN

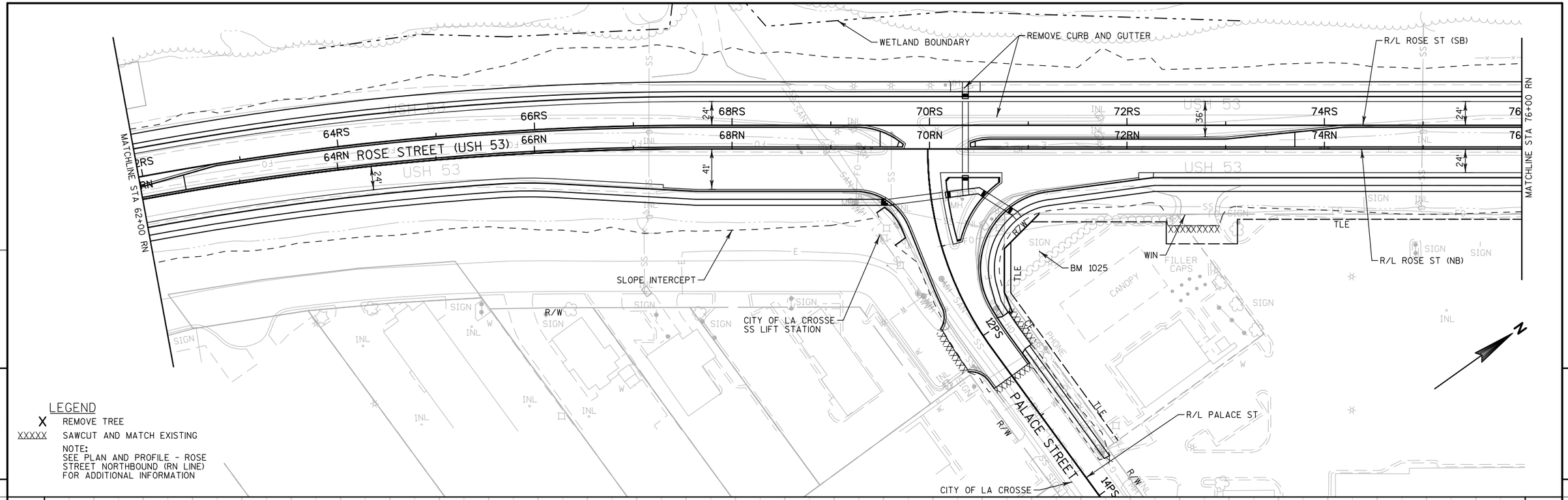
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET NORTHBOUND (RN LINE)	SHEET 566	E



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET SOUTHBOUND (RS LINE)	SHEET 567 E

FILE NAME : ch_0682_050105_pp-50Scale.dgn PLOT DATE : 29-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

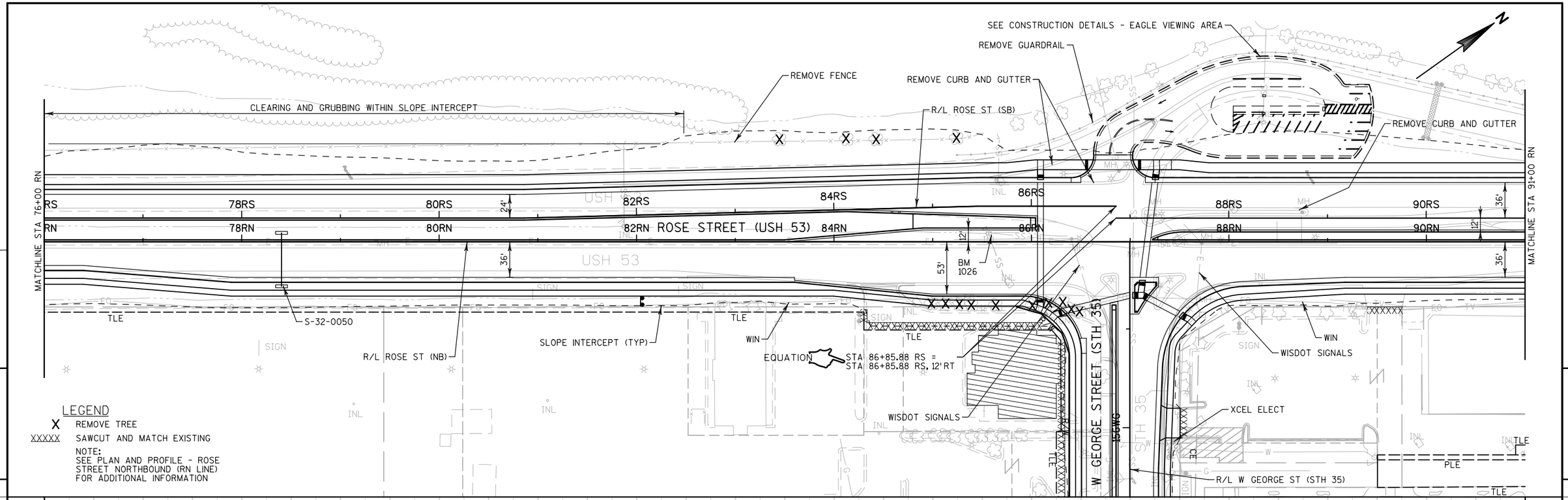
WISDOT/CADDS SHEET 40

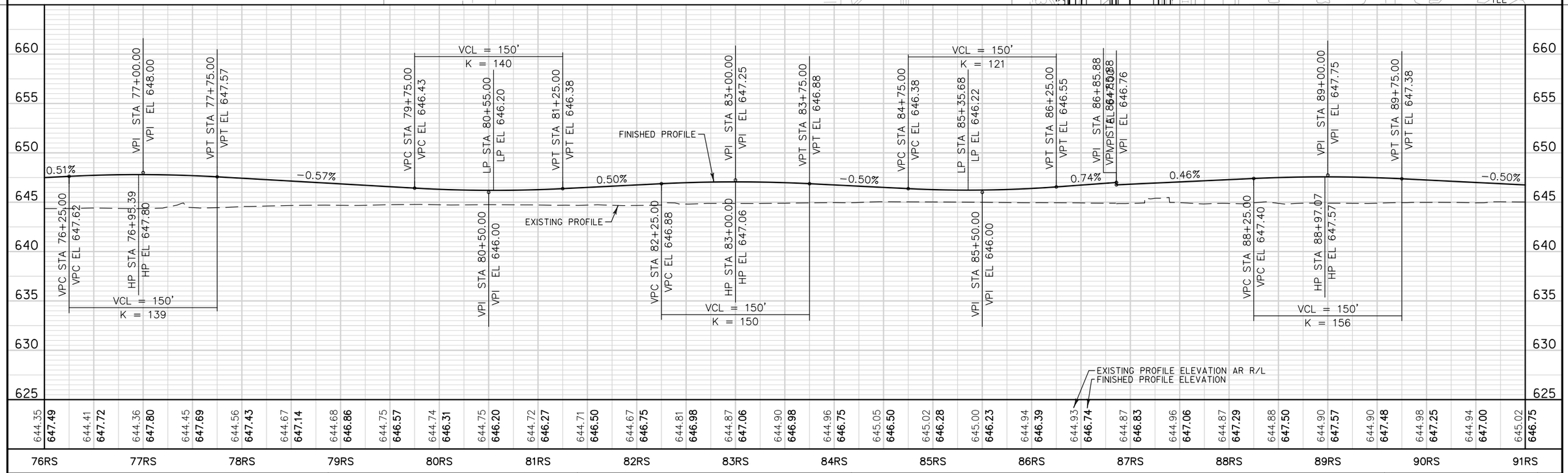


PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET SOUTHBOUND (RS LINE)	SHEET 568 E

FILE NAME : ch_0682_050106_pp-50 Scale.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40





PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ROSE STREET SOUTHBOUND (RS LINE)	SHEET 569 E

MATCHLINE STA 91+00 RS

REMOVE GUARDRAIL

REMOVE FENCE

S-32-0052

R/L ROSE ST (SB)

STA 98+00.16 RS BACK = EQUATION
STA 98+14.27 RS AHEAD

CITY OF LA CROSSE SS

92RS 92RN 94RS 94RN 96RS 96RN ROSE STREET (USH 53) 98RS 98RN 100RS 100RN 102RS 102RN 104RS 104RN 106RS 106RN

36'

36'

+00 RN

R/L ROSE ST (NB)

SLOPE INTERCEPT (TYP)

WIN

END PROJECT (1071-06-82)
BEGIN PROJECT (1071-06-83)
STA 98+00.16 RS

14AR

R/W

TLE

PLE

LEGEND

X REMOVE TREE

XXXXX SAWCUT AND MATCH EXISTING

NOTE:
SEE PLAN AND PROFILE - ROSE STREET NORTHBOUND (RN LINE) FOR ADDITIONAL INFORMATION

660
655
650
645
640
635
630
625

VCL = 150'
K = 121

VPC STA 91+75.00
VPC EL 646.38

LP STA 92+35.27
LP EL 646.22

VPT STA 93+25.00
VPT EL 646.56

VPI STA 92+50.00
VPI EL 646.00

FINISHED PROFILE

0.74%

EXISTING PROFILE

VPC STA 96+25.00
VPC EL 648.79

VCL = 150'
K = 965

VPI STA 97+00.00
VPI EL 649.35

VPT STA 97+75.00
VPT EL 649.79

VPI STA 98+00.16
VPI EL 649.94

0.59%

+0.59 %

VPI STA 103+0
VPI EL 652.8

FOR INFORMATION ONLY
SEE ID 1071-06-83

EXISTING PROFILE ELEVATION AR R/L
FINISHED PROFILE ELEVATION

| | | |

STA 98+52 RN
REMOVING SIGN BRIDGE S-32-18

E RAMP

H RAMP

BP 98+00.00RN

ROSE ST SB

ROSE ST NB

N35°30'23"E

STA 98+37 RN
S-32-51

SLOPE INTERCEPT

CITY OF LA CROSSE
STORM SEWER

WISCONSIN
INDEPENDENT
NETWORK

STA 108+30 RN
S-32-65

SLOPE INTERCEPT

STA 98+00 RN - STA 98-67 RN, RT
STA 105+60 RN - STA 111+25 RN, LT
STA 108+00 RN - STA 111+75 RN, RT
REMOVING GUARDRAIL

IH 90 WB

IH 90 EB

F RAMP

END PROJECT 1071-06-82
BEGIN PROJECT 1071-06-83
STA 98+00.00 RN
Y 149725.24
X 448358.94

5

5

VPC STA 99+00.00
VPC EL 650.50

HP STA 101+66.44
HP EL 651.15

VPI STA 103+00.00
VPI EL 652.50

VPT STA 107+00.00
VPT EL 648.38

VCL = 400.00
K = 192.31

LP STA 109+98.08
LP EL 646.33

FINISHED PROFILE

EXISTING PROFILE

0.50%

-1.03%

1.05%

10.96%

VPC STA 108+00.00
VPC EL 647.35

VPI STA 110+00.00
VPI EL 645.29

VPT STA 112+00.00
VPT EL 647.39

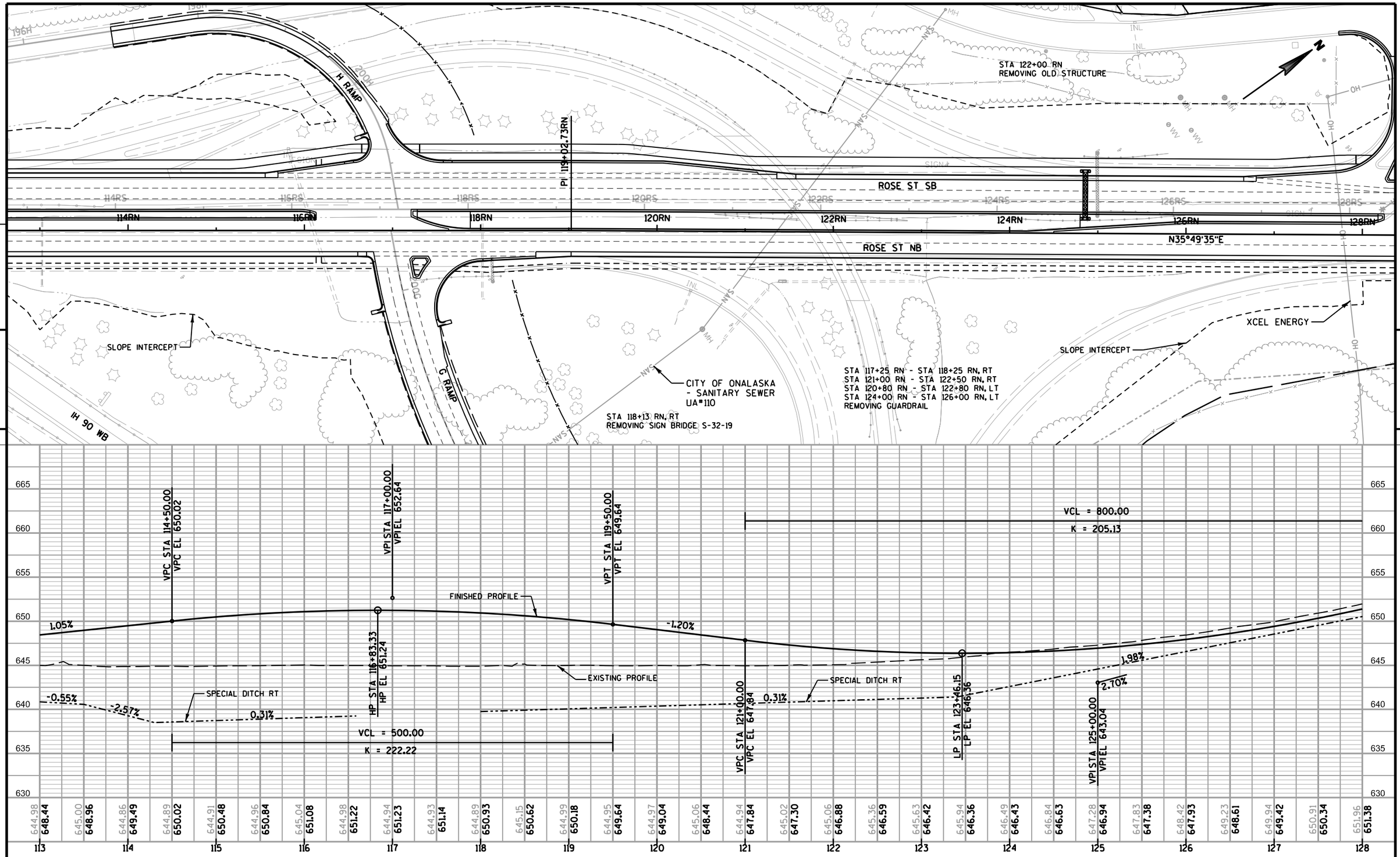
SPECIAL DITCH RT

VCL = 800.00
K = 522.88

98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
650.00	650.25	646.83 650.50	646.62 650.73	646.52 650.90	646.53 651.03	646.57 651.12	646.47 651.15	646.42 651.14	646.25 651.08	646.12 650.97	646.01 650.81	645.88 650.61	645.74 650.36	645.79 650.06	645.86 649.71	645.98 649.31	645.99 648.87	645.84 648.38	645.56 647.86	645.33 647.35	645.48 646.90	645.38 646.58	644.95 646.39	645.31 646.33	645.55 646.40	645.34 646.60	645.24 646.93	645.08 647.39	645.05 647.92	644.98 648.44

665	660	655	650	645	640	635	630

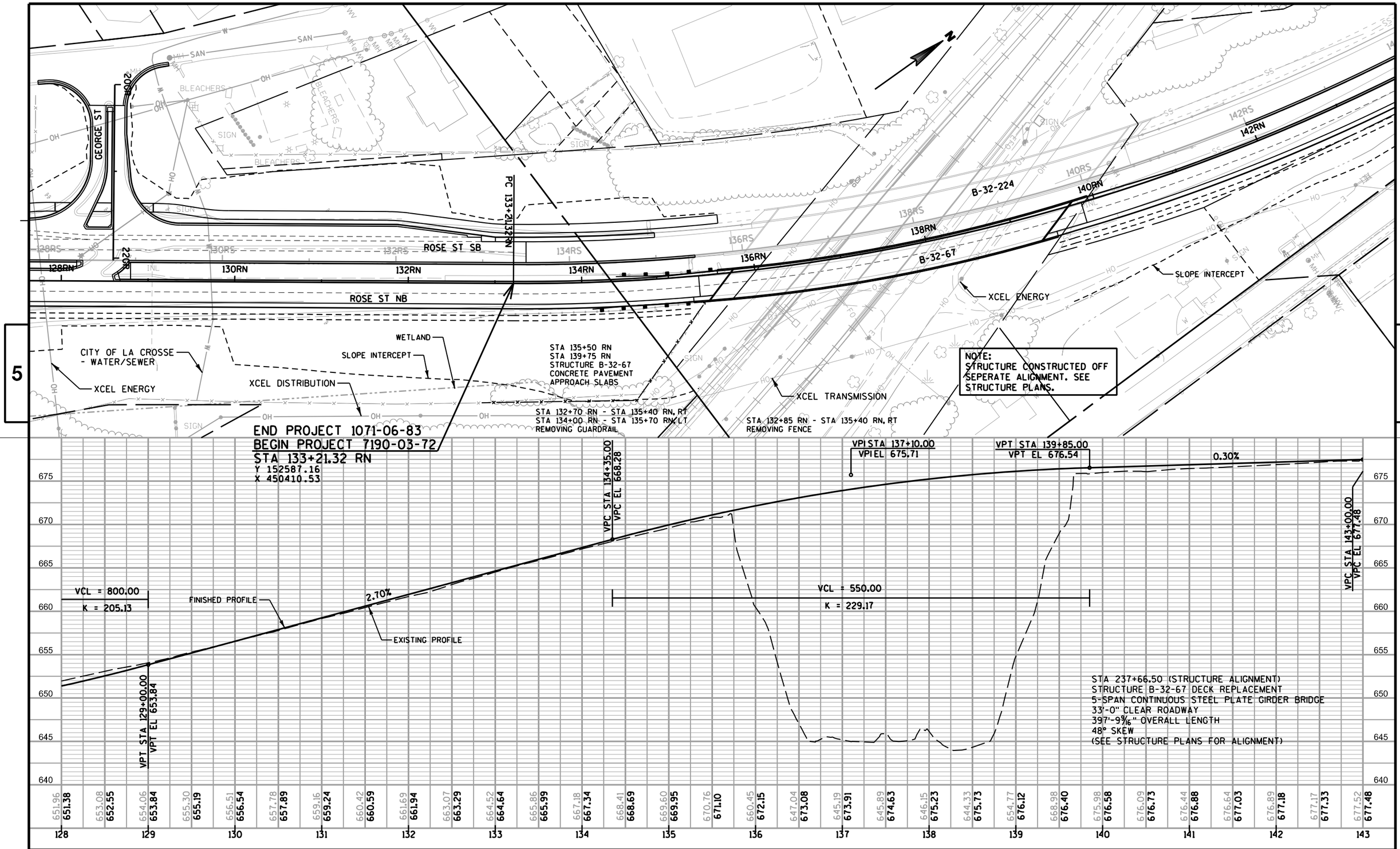
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST NORTHBOUND (RN LINE)	SHEET 571	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST NORTHBOUND (RN LINE)	SHEET 572 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050102_pprn.dgn PLOT DATE : 9/7/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

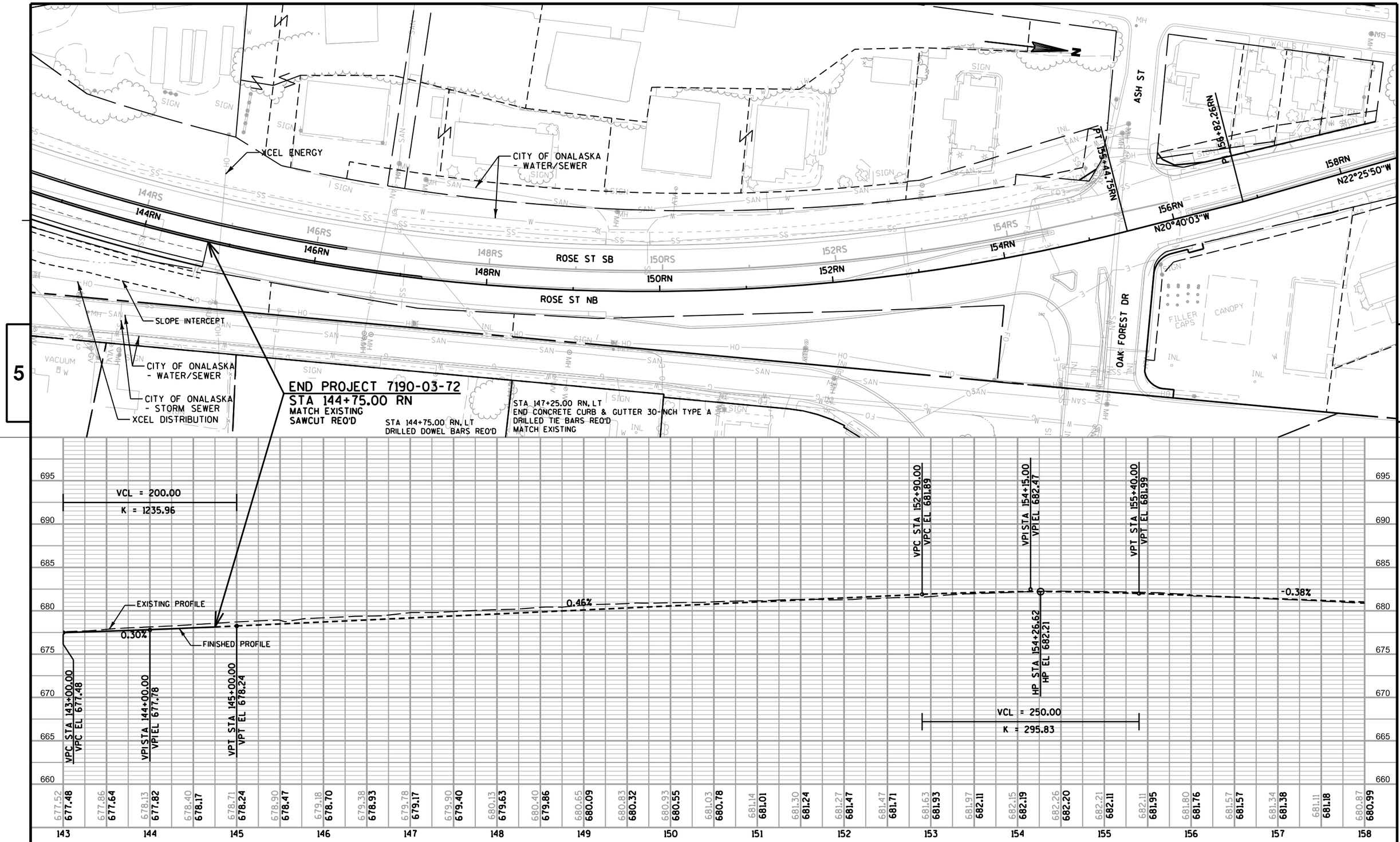
WISDOT/CADDS SHEET 40



5

5

PROJECT NO: 1071-06-83/7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST NORTHBOUND (RN LINE)	SHEET 573 E



PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST NORTHBOUND (RN LINE)	SHEET 574	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_050104_pprn.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

STA 107+60 RS - STA 111+60 RS, LT
STA 108+10 RS - STA 113+85 RS, RT
REMOVING GUARDRAIL

STA 105+00 RS
REMOVING SMALL PIPE CULVERT
EXISTING BURIED PIPE

STA 111+10 RS, RT
REMOVING SIGN BRIDGE S-32-21

BP 98+14.27RS

SLOPE INTERCEPT

E RAMP

H RAMP

SLOPE INTERCEPT

STA 110+93 RS
S-32-54

ROSE ST SB

100RS 102RS 104RS 106RS 108RS 110RS 112RS

100RN 102RN 104RN 106RN 108RN 110RN 112RN

N35°30'23"E

ROSE ST NB

CITY OF LA CROSSE
STORM SEWER

WISCONSIN
INDEPENDENT
NETWORK

IH 90 EB

IH 90 WB

F RAMP

END CONSTRUCTION 1071-06-82
BEGIN CONSTRUCTION 1071-06-83
STA 98+00.16 RS = STA 98+14.27 RS

VPC STA 100+75.00
VPC EL 651.48

HP STA 102+26.24
HP EL 651.93

VPI STA 103+00.00
VPI EL 652.82

VPT STA 105+25.00
VPT EL 650.18

FINISHED PROFILE

0.59%

649.94

-1.17%

1.10%

EXISTING PROFILE

VCL = 400.00
K = 175.73

LP STA 109+85.97
LP EL 645.99

VCL = 450.00
K = 254.90

VPC STA 107+80.00
VPC EL 647.19

VPI STA 109+80.00
VPI EL 644.85

VPT STA 111+80.00
VPT EL 647.06

98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
650.15	650.45	650.74	651.04	651.34	651.62	651.82	651.92	651.92	651.83	651.63	651.34	650.95	650.46	649.89	649.30
		644.27	644.27	644.33	644.11	644.58	644.62	644.78	645.05	644.92	645.05	644.92	644.81	644.83	644.91
648.72	648.13	647.55	646.97	646.51	646.20	646.02	645.99	646.10	646.36	646.75	647.28	647.83	648.38		
644.96	644.95	644.87	644.58	644.91	645.38	644.92	644.84	645.45	645.01	644.55	644.18	644.02	643.73		

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST SOUTHBOUND (RS LINE)	SHEET 575	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_050105_pprs.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

STA 120+90 RS - STA 122+50 RS, LT
STA 125+00 RS - STA 126+10 RS, RT
STA 125+00 RS - STA 126+00 RS, LT
REMOVING GUARDRAIL

STA 125+14 RS
REMOVING SIGN BRIDGE B-32-20

CITY OF ONALASKA
- SANITARY SEWER

SLOPE INTERCEPT

STA 119+50 RS
MAINTENANCE OPENING
SEE DETAIL

REMOVING GUARDRAIL
(GW RAMP)

SLOPE INTERCEPT

STA 125+00 RS
S-32-56

XCEL DISTRIBUTION

H RAMP

ROSE ST SB

ROSE ST NB

114RS 116RS 118RS 120RS 122RS 124RS 126RS 128RS

N35°49'35"E

G RAMP

IH 90 WB

CITY OF ONALASKA
- SANITARY SEWER
UA=110

REMOVING GUARDRAIL
(GW RAMP)

VPC STA 114+50.00
VPC EL 650.04

VPI STA 117+00.00
VPI EL 652.80

VPT STA 119+50.00
VPT EL 649.80

VCL = 800.00
K = 210.53

FINISHED PROFILE

1.10%

-1.20%

HP STA 116+89.60
HP EL 651.36

-1.10%

-1.99%

2.79%

SPECIAL DITCH LT

EXISTING PROFILE

0.51%

SPECIAL DITCH LT

VCL = 500.00
K = 217.00

VPC STA 121+00.00
VPC EL 648.00

LP STA 123+52.63
LP EL 646.48

0.62%

2.38%

2.60%

VPI STA 125+00.00
VPI EL 643.20

113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
643.73	644.08	644.02	644.18	644.27	644.49	644.47	644.26	644.03	643.84	643.78	643.95	643.86	643.92	644.03	644.13	644.20	644.44	644.90	644.50	644.19	644.26	644.65	645.09	645.61	646.65	647.28	648.85	649.83	650.74	652.12
648.38	648.94	649.49	650.04	650.53	650.91	651.18	651.33	651.36	651.28	651.08	650.77	650.34	649.80	649.20	648.60	648.00	647.46	647.04	646.73	646.55	646.48	646.54	646.71	647.00	647.41	647.94	648.58	649.35	650.23	651.24

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST SOUTHBOUND (RS LINE)	SHEET 576	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\pp_0682_050106_pprs.dgn PLOT DATE : 9/9/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

CITY OF LA CROSSE
- WATER/SEWER

GEORGE ST

STA 129+80 RS
MAINTENANCE OPENING
SEE DETAIL

CITY OF LA CROSSE
- WATER/SEWER

SLOPE INTERCEPT

STA 133+50.00 RS
DRILLED DOWEL BARS REQ'D

STA 135+75.00 RS
END MULTI-USE PATH
MATCH EXISTING

STA 135+00.00 RS, LT
END CONCRETE CURB & GUTTER
INTEGRAL 66-INCH TYPE A
DRILLED TIE BARS REQ'D
MATCH EXISTING

STA 135+45.00 RS, RT
END CONCRETE CURB & GUTTER 30-INCH TYPE A
DRILLED TIE BARS REQ'D
MATCH EXISTING

STRUCTURE B-32-224
PLACE POLYMER OVERLAY

STA 142+00.00 RS - STA 146+35.00 RS, RT
CONCRETE CURB & GUTTER 30-INCH TYPE A
DRILLED TIE BARS REQ'D
MATCH EXISTING

CONCRETE PAVING LIMITS
PROJECT 7190-03-72
STA 133+50.00 RS
MATCH EXISTING

PC 133+35.72RS

128RS 130RS 132RS 134RS 136RS 138RS 140RS 142RS

128RN 130RN 132RN 134RN 136RN 138RN 140RN 142RN

B-32-224

B-32-67

ROSE ST SB

ROSE ST NB

XCEL TRANSMISSION

XCEL DISTRIBUTION

XCEL DISTRIBUTION

END CONSTRUCTION 1071-06-83
BEGIN CONSTRUCTION 7190-03-72
STA 133+35.72 RS

5

5

VPT STA 129+00.00
VPT EL 653.60

VCL = 800.00
K = 210.53

FINISHED PROFILE

EXISTING PROFILE

2.60%

VPC STA 134+80.00
VPC EL 668.68

VPI STA 137+00.00
VPI EL 674.40

VCL = 440.00
K = 200.00

VPT STA 139+20.00
VPT EL 675.28

0.40%

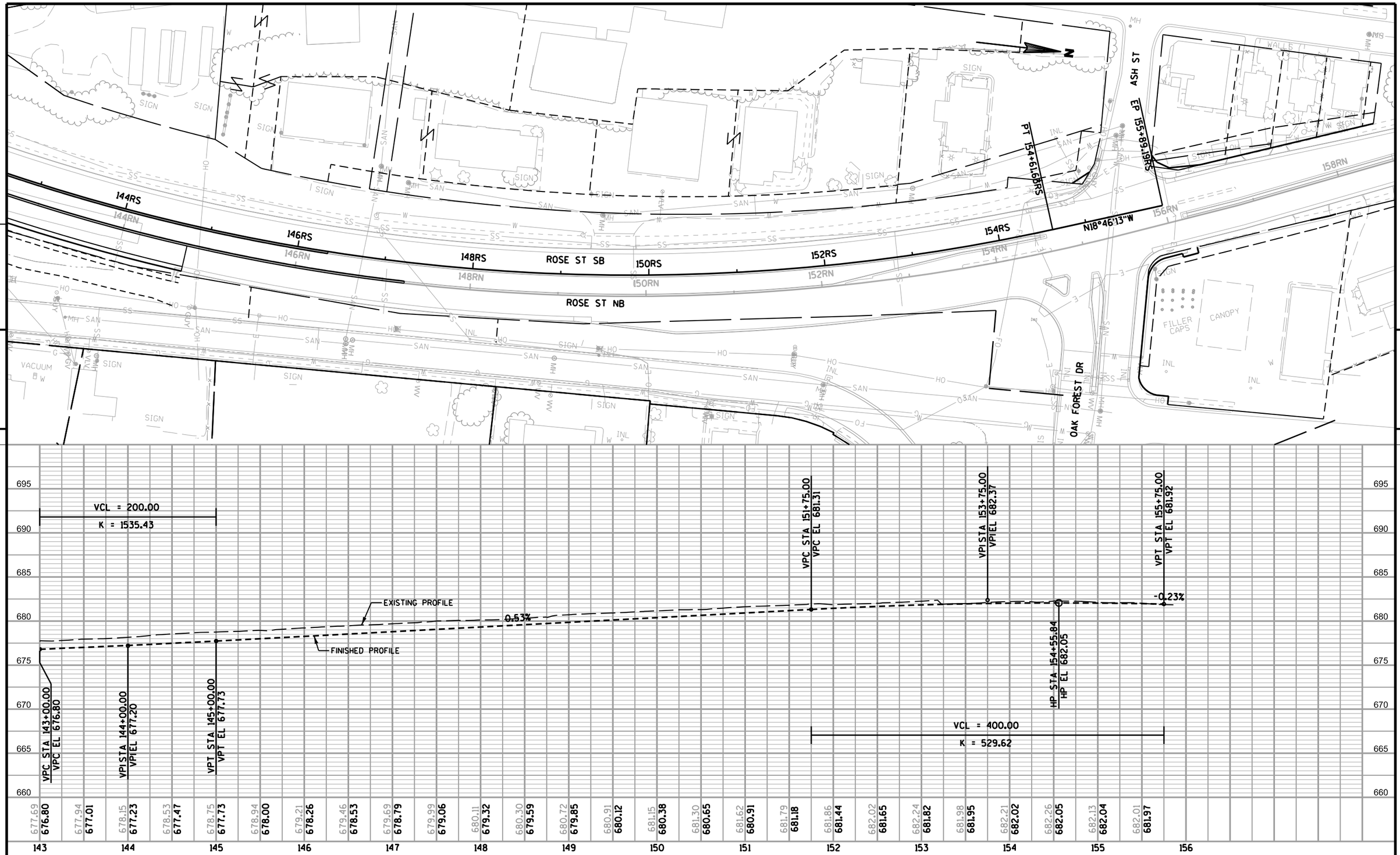
VPC STA 143+00.00
VPC EL 676.80

128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
652.12	652.46	654.24	653.42	654.64	655.99	657.16	658.62	659.95	661.37	662.54	664.26	665.32	666.38	667.46	669.49	671.42	660.76	645.33	645.03	645.25	644.85	645.25	657.93	672.65	675.39	675.93	676.65	676.99	677.51	677.69
651.24	652.36	653.60	654.90	656.20	657.50	658.80	660.10	661.40	662.70	664.00	665.30	666.60	667.90	669.19	670.38	671.44	672.38	673.19	673.88	674.44	674.88	675.19	675.40	675.60	675.80	676.00	676.20	676.40	676.60	676.80

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST SOUTHBOUND (RS LINE)	SHEET 577	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050107_pprs.dgn PLOT DATE : 9/12/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

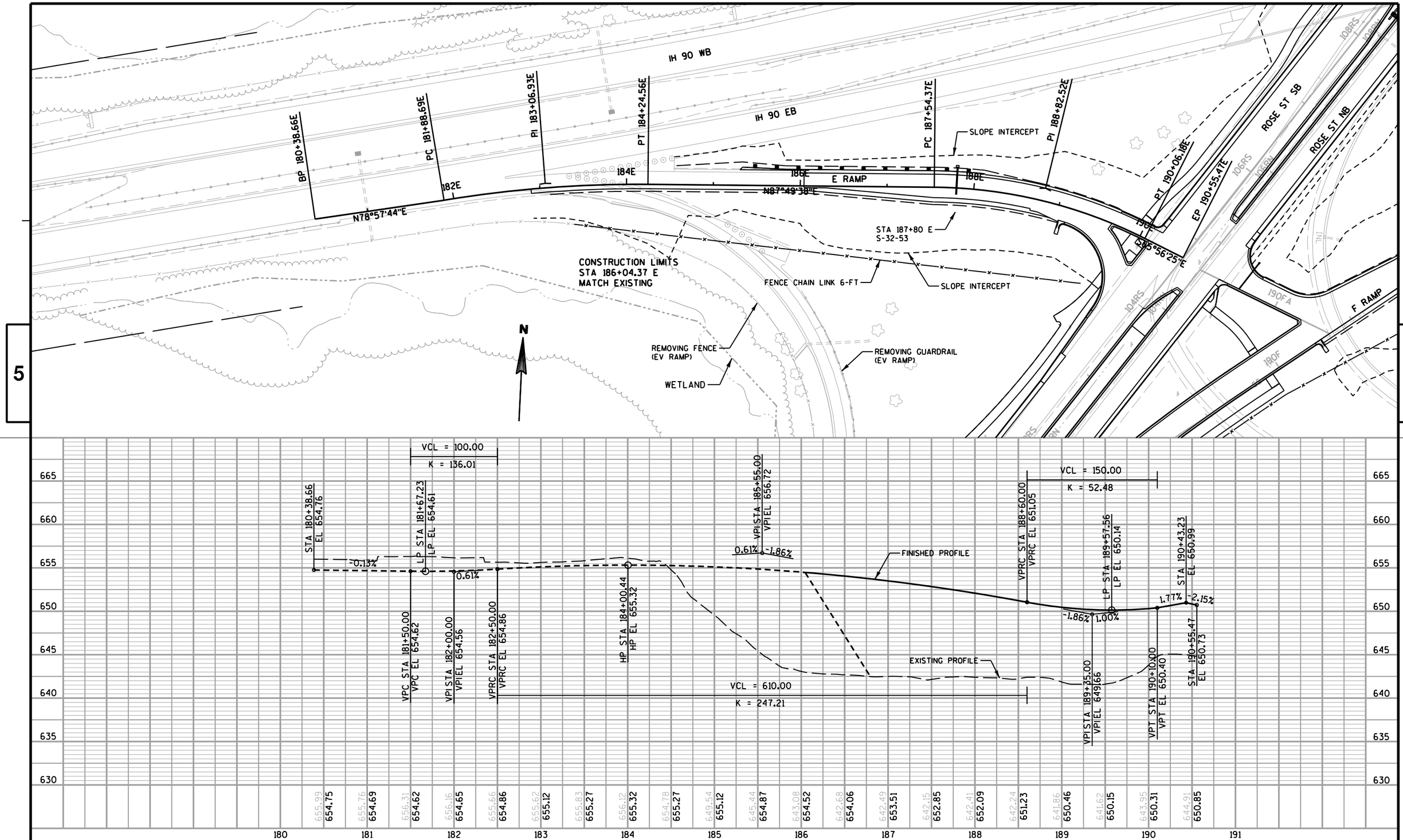
WISDOT/CADDS SHEET 40



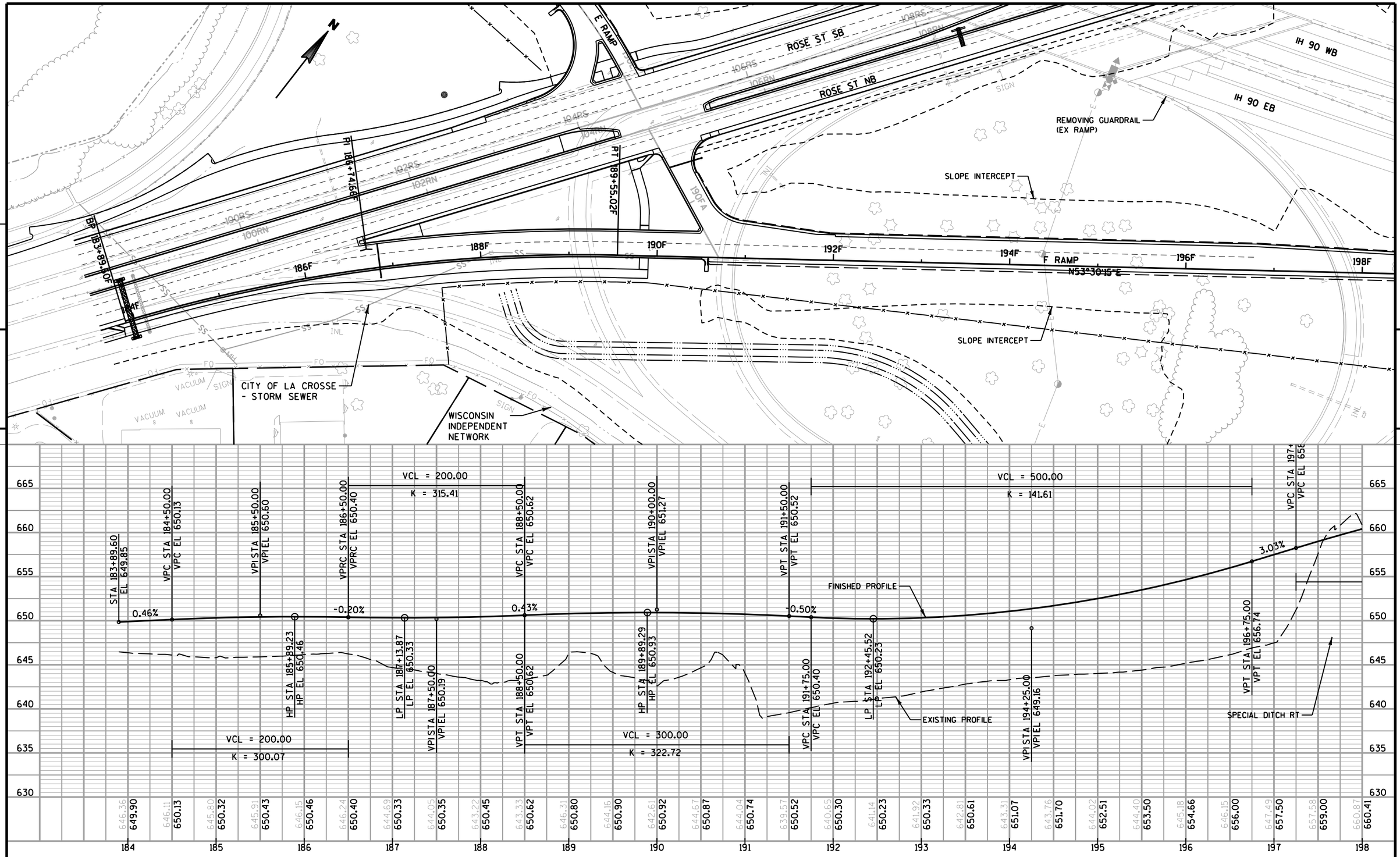
PROJECT NO: 7190-03-71	HWY: STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST SOUTHBOUND (RS LINE)	SHEET 578	E

FILE NAME : v:\trans-ec\410627\dgn-dwg\4_0682_rose_green\aa_0682_050108_pprs.dgn PLOT DATE : 7/27/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

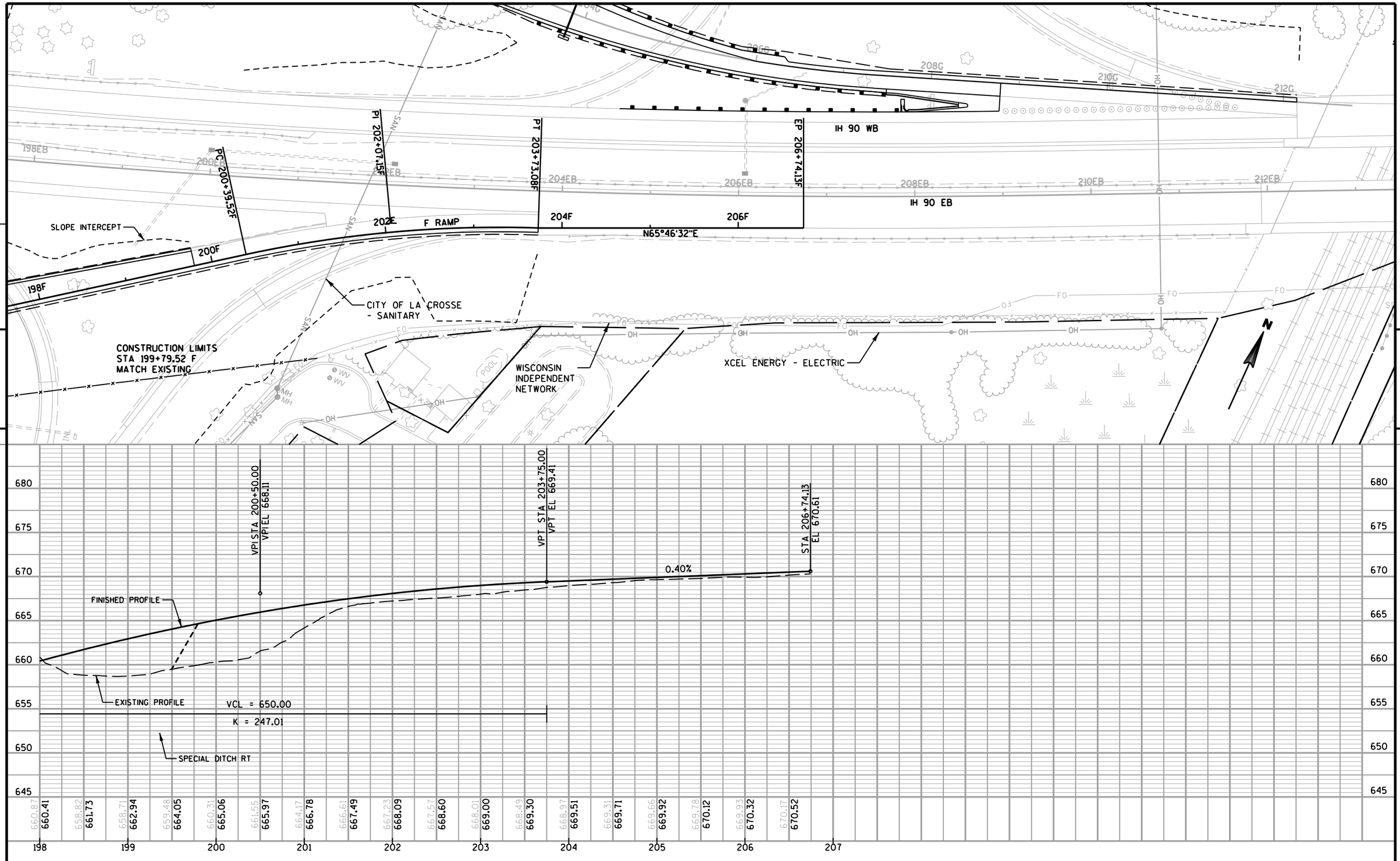
WISDOT/CADDS SHEET 40



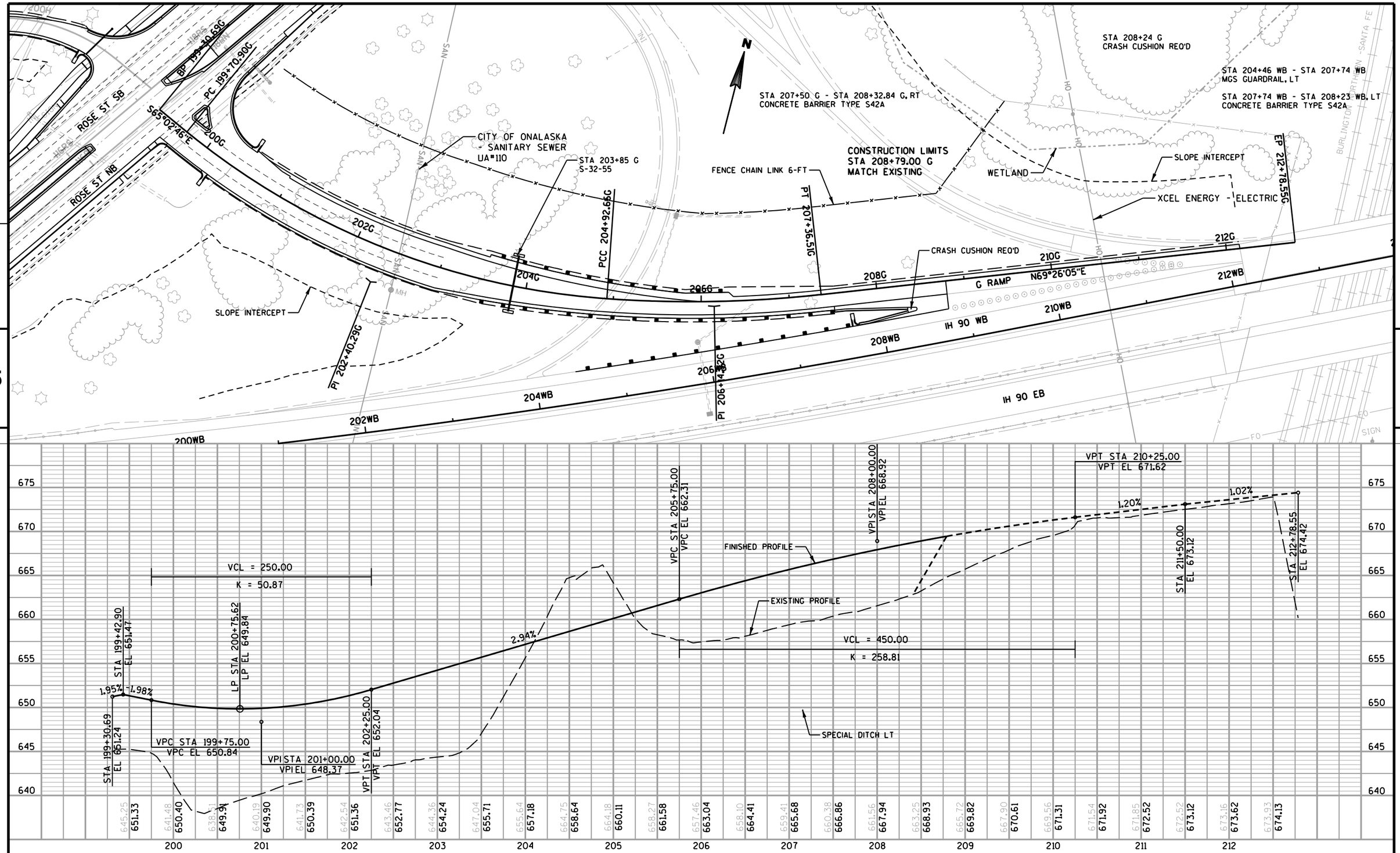
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - IH 90 EB OFF RAMP TO ROSE ST (E RAMP)	SHEET 579	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST ON RAMP TO IH 90 EB (F RAMP)	SHEET 580	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST ON RAMP TO IH 90 EB (F RAMP)	SHEET 581	E



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - IH 90 WB OFF RAMP TO ROSE ST (G RAMP)	SHEET 582	E

STA 198+50 H
REMOVING SMALL PIPE CULVERT
EXISTING BURIED PIPE

CONSTRUCTION LIMITS
STA 197+00.00 H
MATCH EXISTING
SAWCUT REQ'D

PT 195+72.97H

PC 197+90.84H

WETLAND

PI 199+85.60H

REMOVING FENCE

SLOPE INTERCEPT

194H

196H

198H

H RAMP

N26°59'07"E

SLOPE INTERCEPT

FENCE CHAIN LINK 6-FT

200H

PT 200+99.69H

S64°32'07"E

EP 201+53.01H

ROSE ST SB

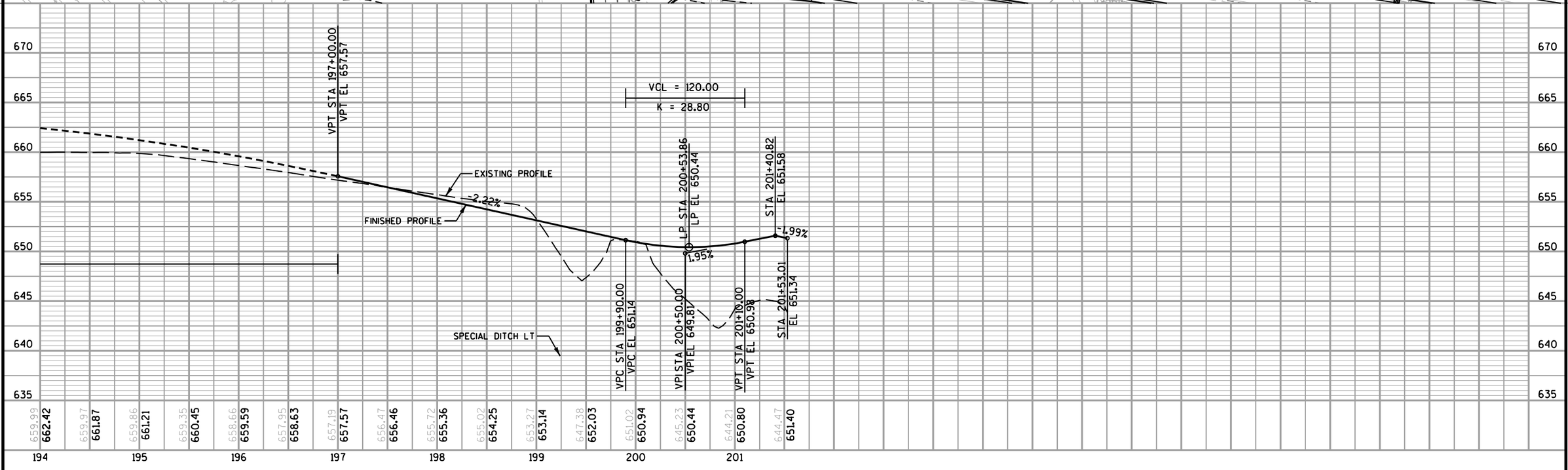
ROSE ST NB

IH 90 WB

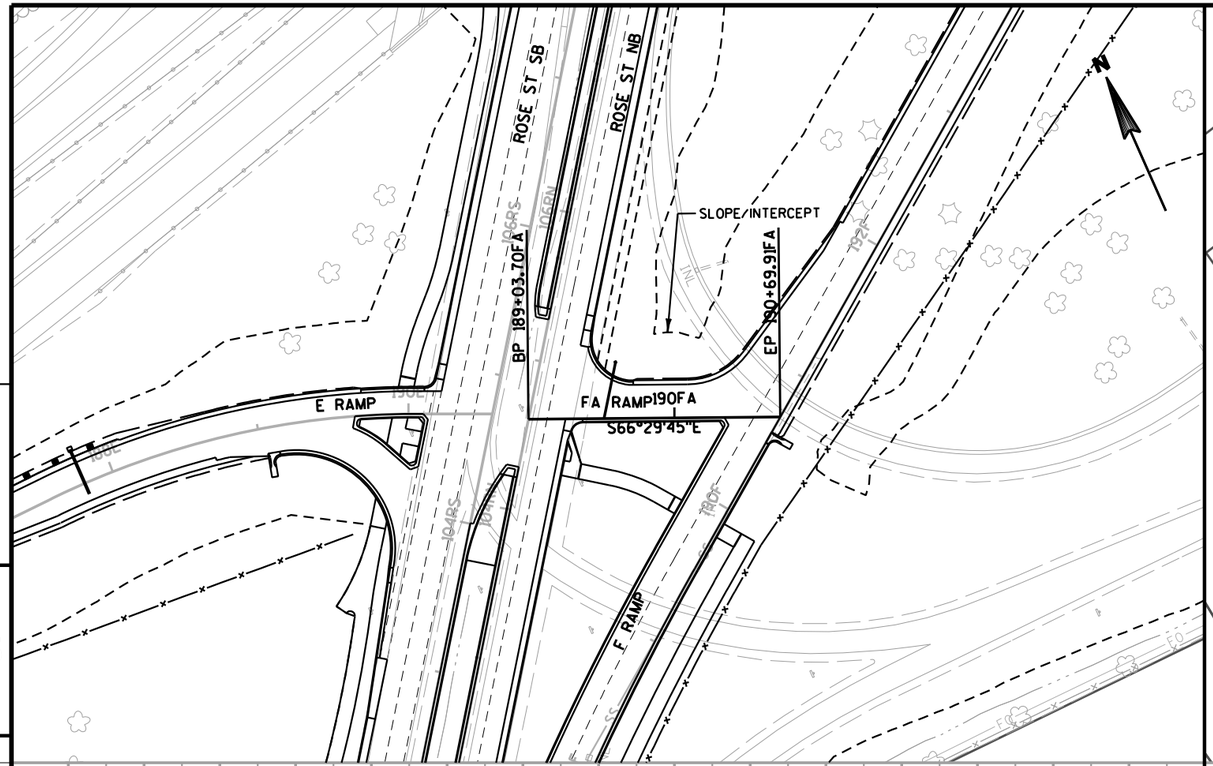
5

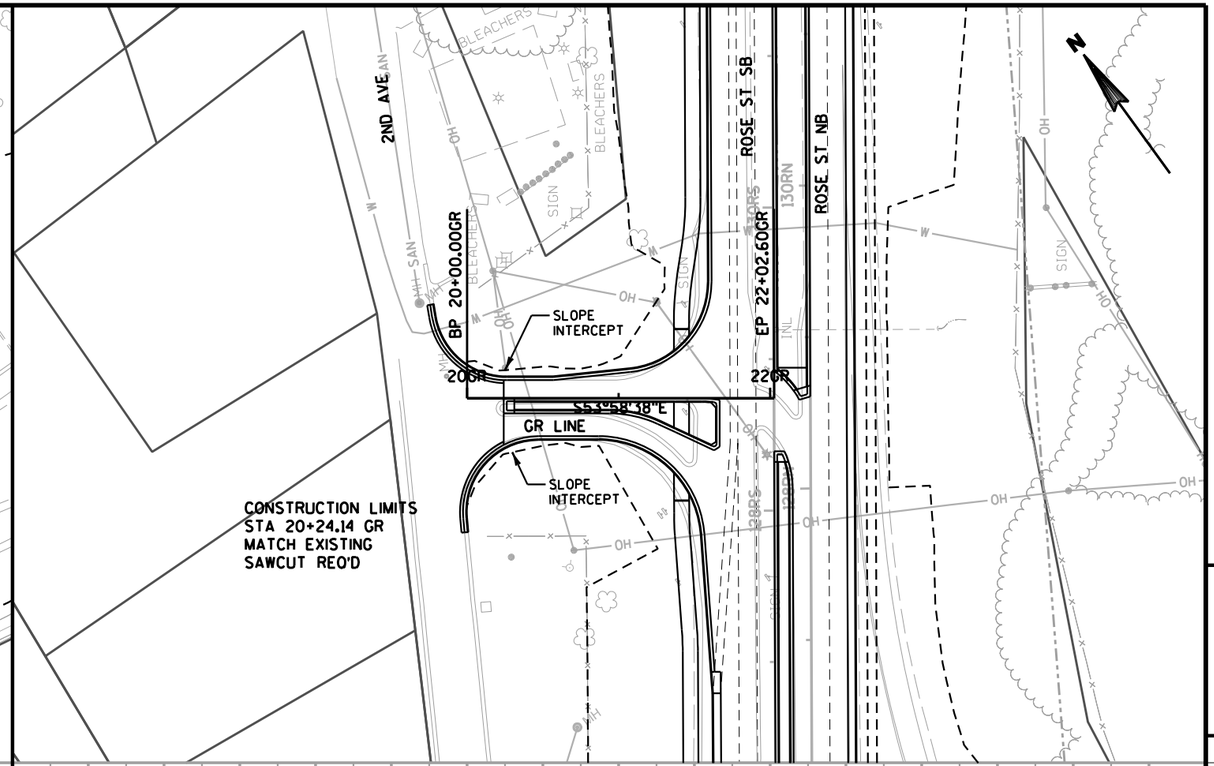
5

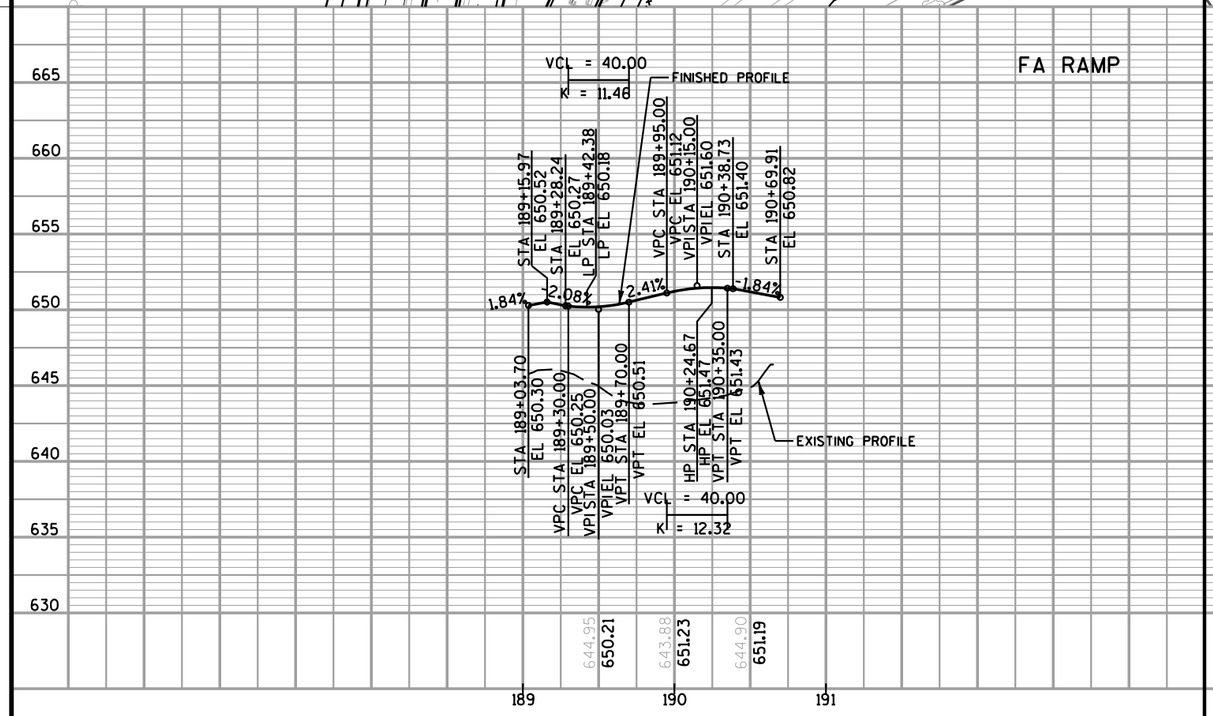
N

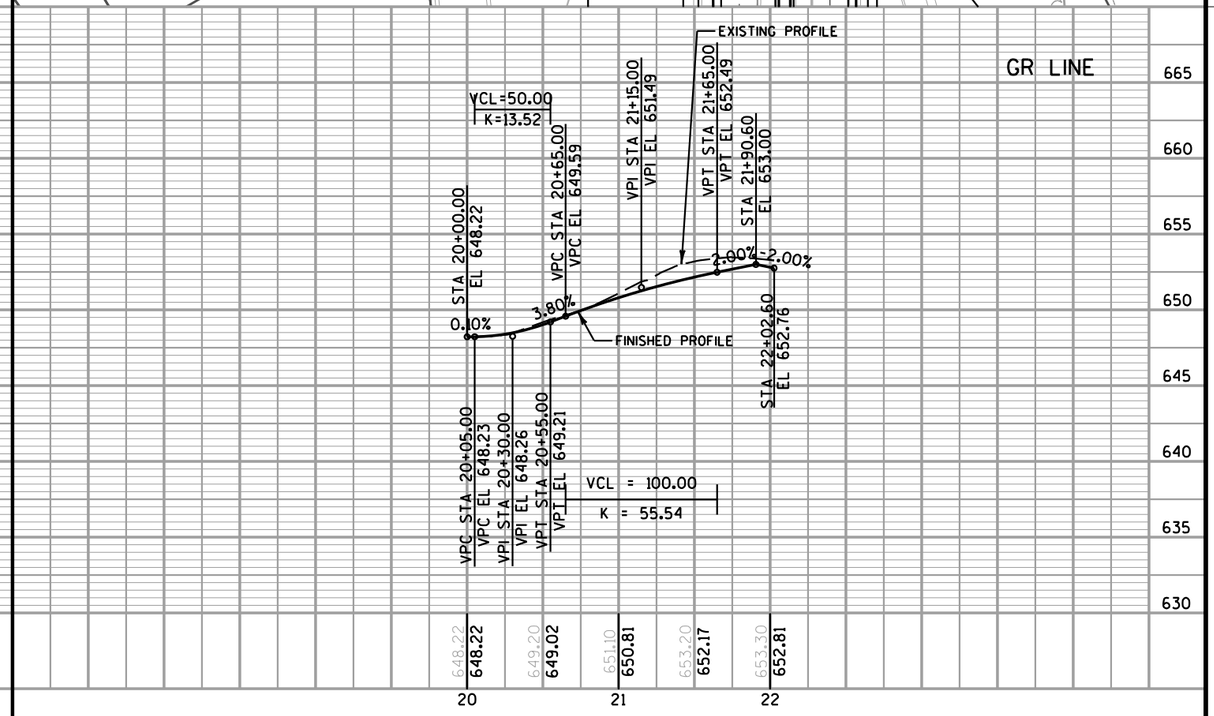


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST ON RAMP TO IH 90 WB (H RAMP)	SHEET 583	E

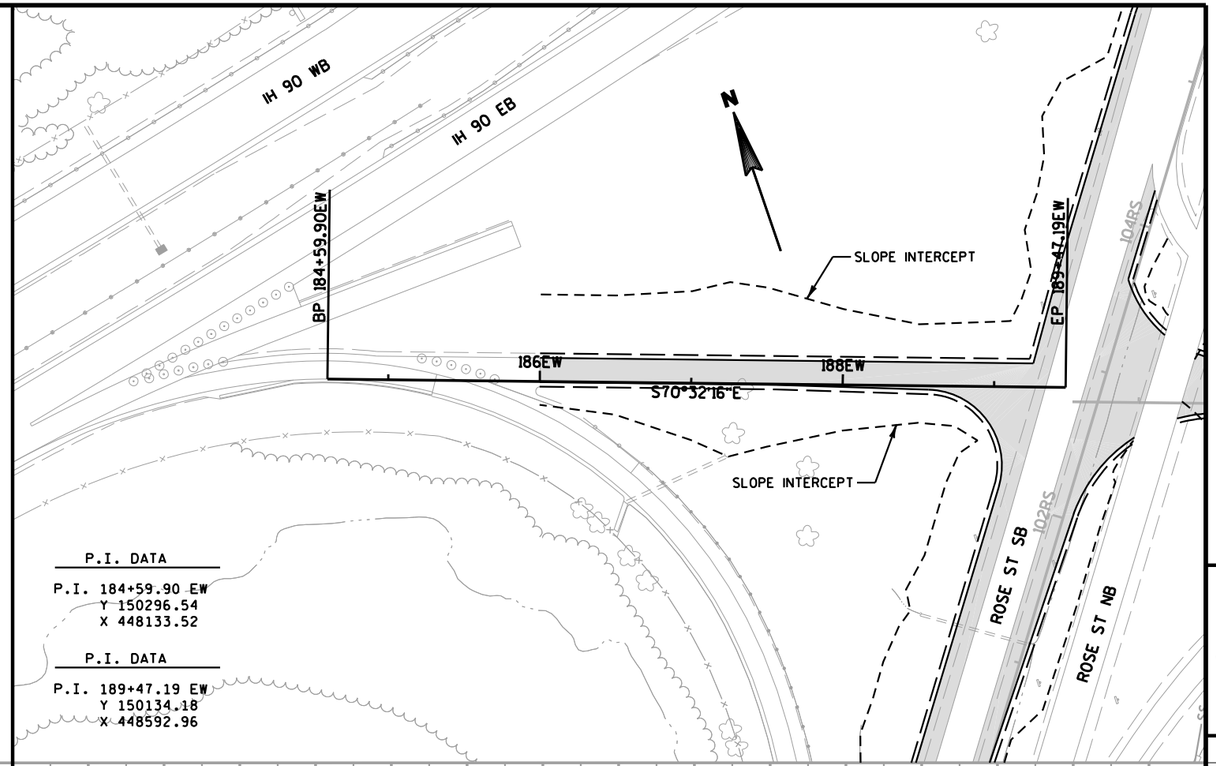


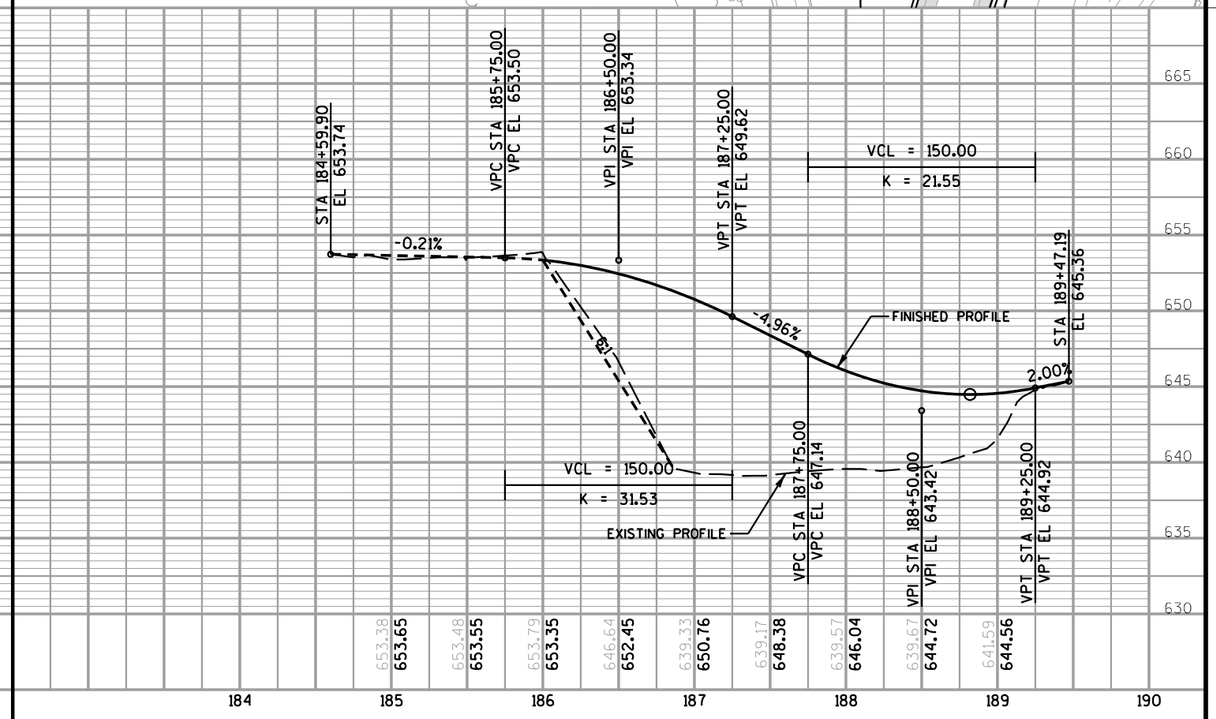




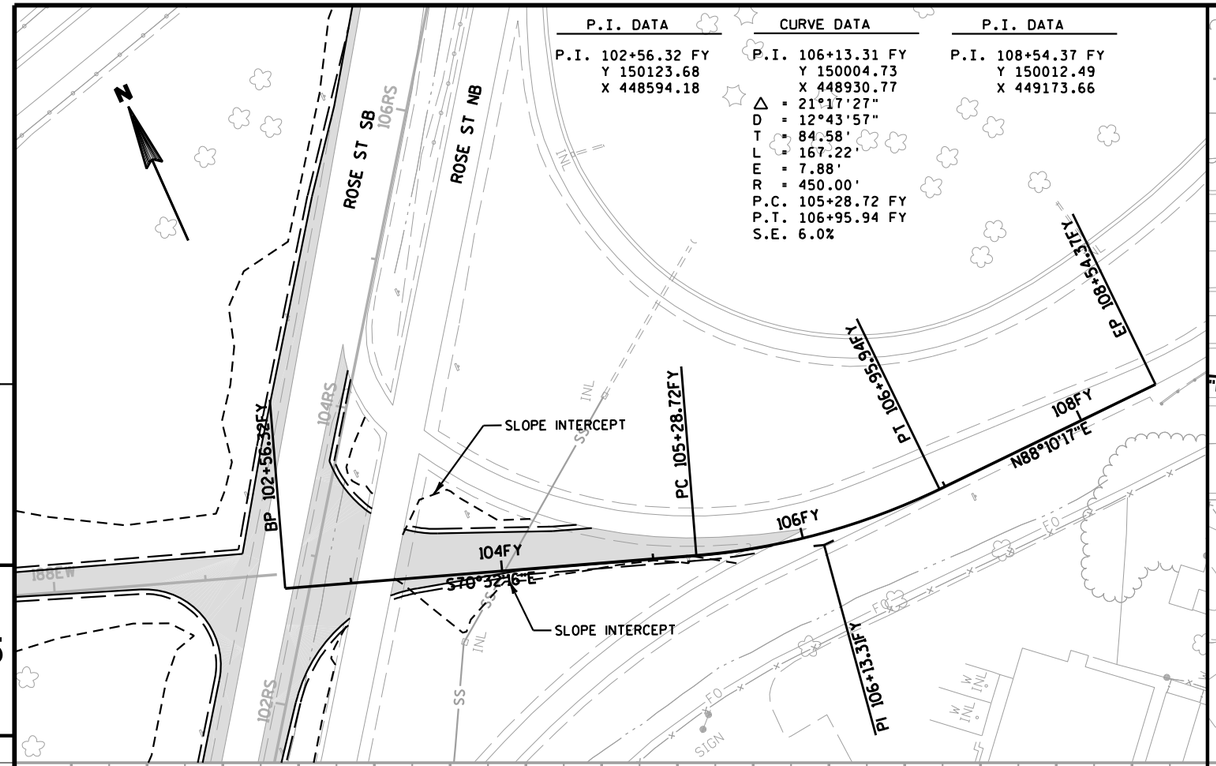


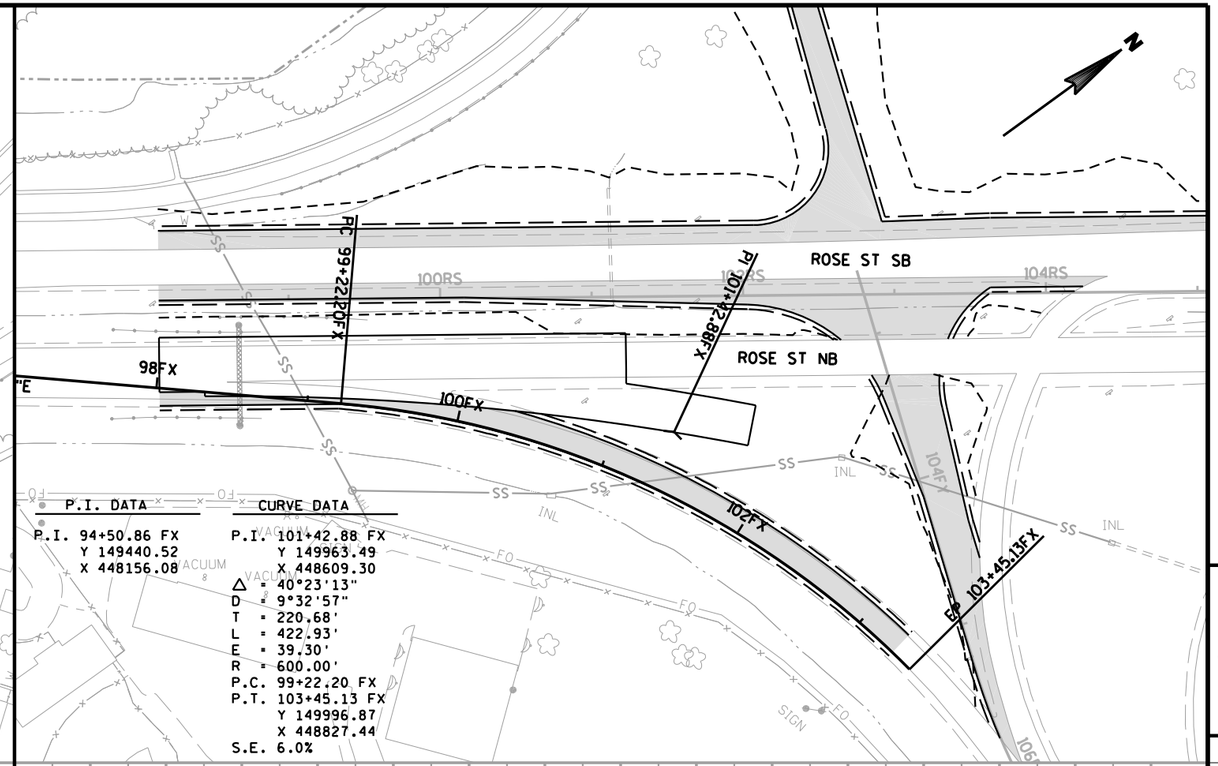
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - FA RAMP & GEORGE ST (GR LINE)	SHEET 584	E

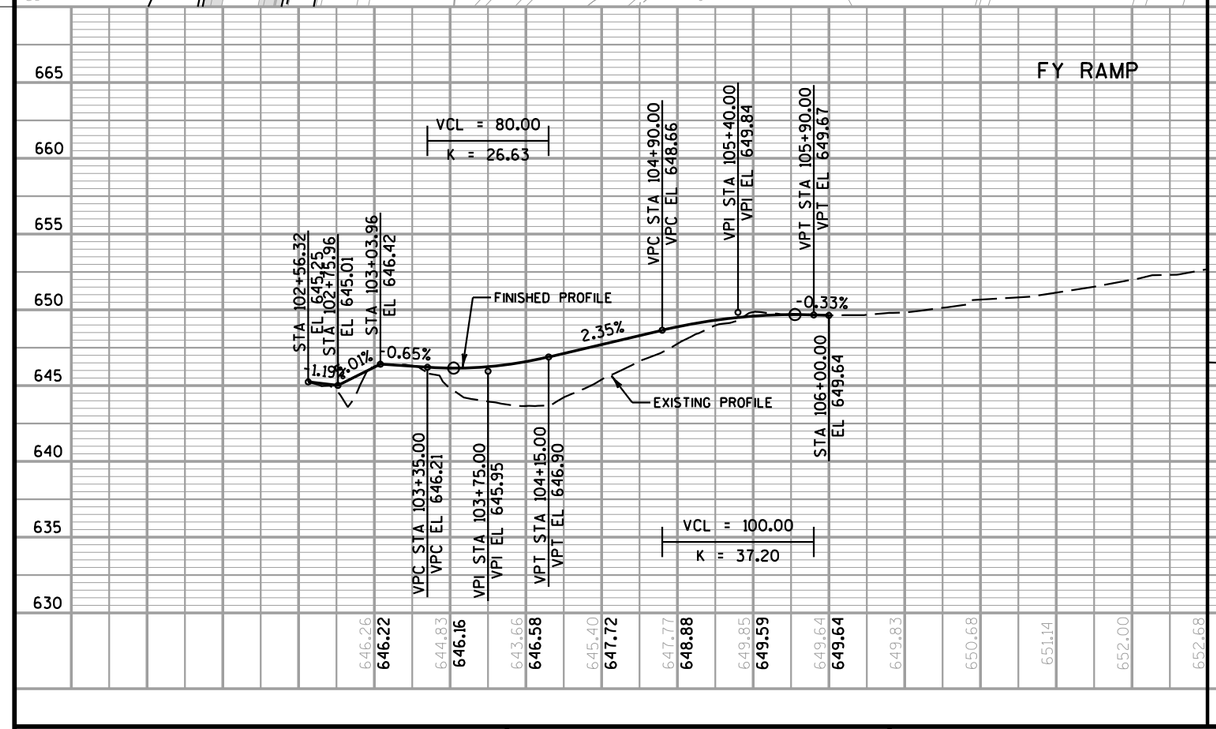


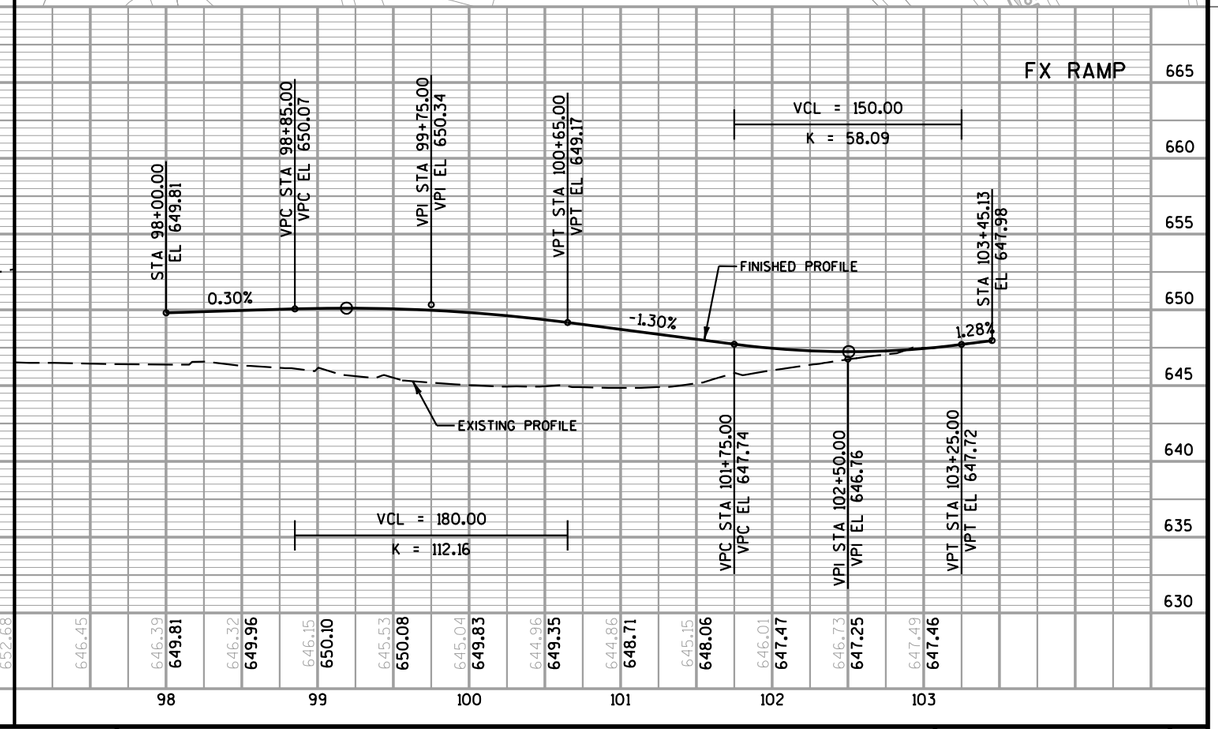


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY EW RAMP	SHEET 585	E

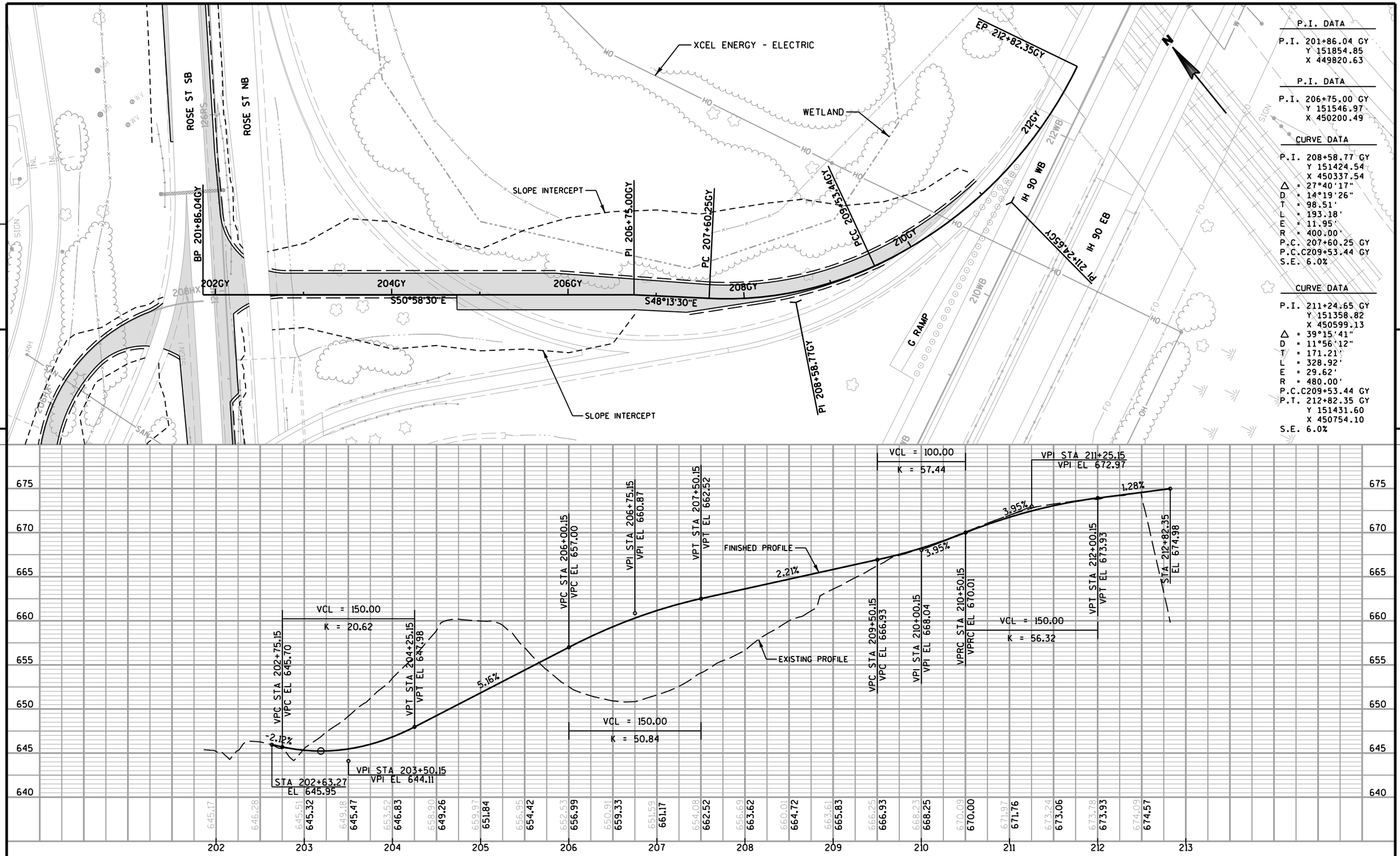








PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY FY RAMP & FX RAMP	SHEET 586	E

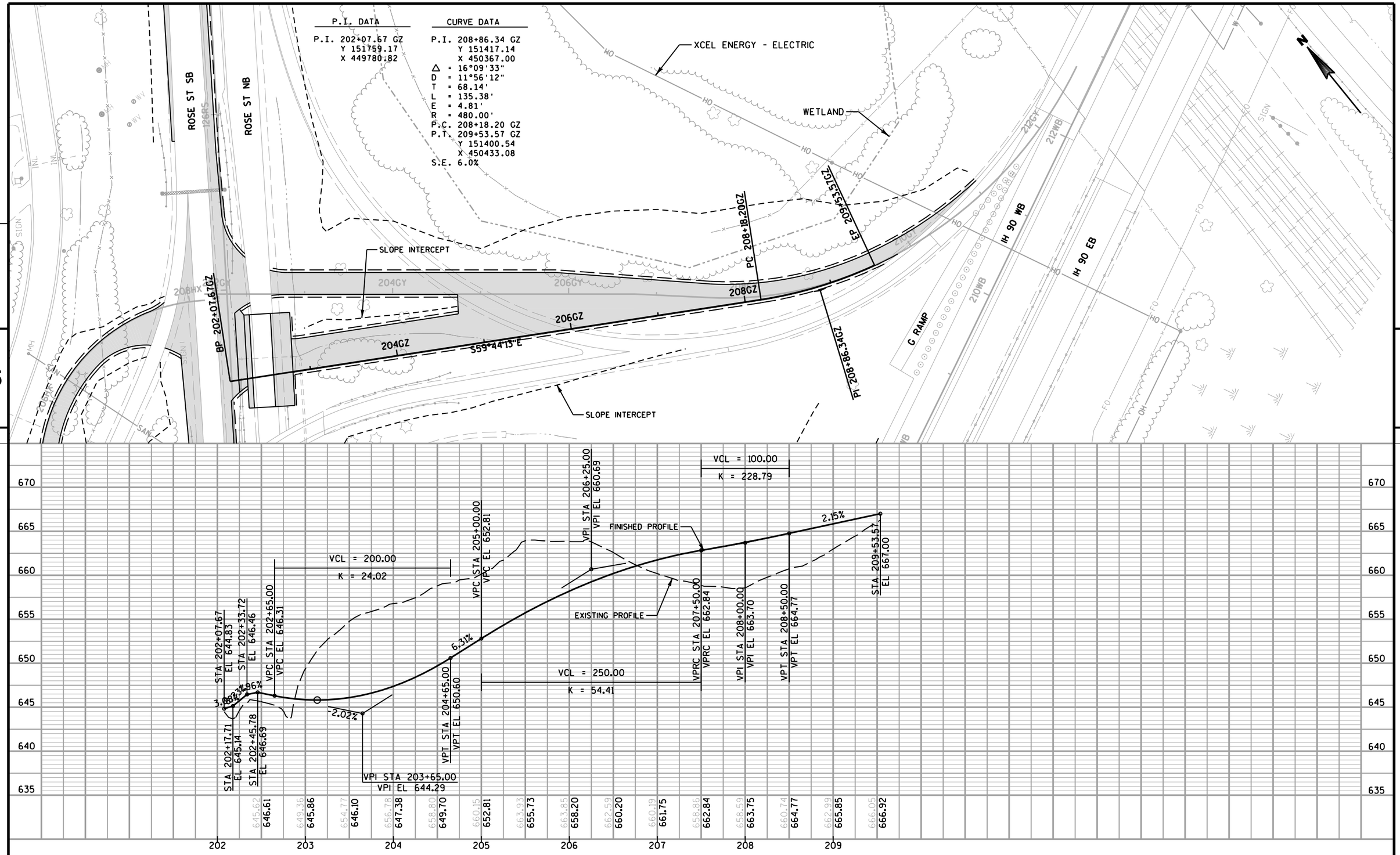


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY GY RAMP	SHEET 587	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050117_pptmpgy.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

P.I. DATA	CURVE DATA
P.I. 202+07.67 GZ Y 151759.17 X 449780.82	P.I. 208+86.34 GZ Y 151417.14 X 450367.00 △ = 16°09'33" D = 11°56'12" T = 68.14' L = 135.38' E = 4.81' R = 480.00' P.C. 208+18.20 GZ P.T. 209+53.57 GZ Y 151400.54 X 450433.08 S.E. 6.0%



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY GZ RAMP	SHEET 588	E

P.I. DATA

P.I. 197+00.00 HX
Y 151143.34
X 449093.12

P.I. DATA

P.I. 201+05.95 HX
Y 151505.09
X 449277.32

P.I. DATA

P.I. 202+56.65 HX
Y 151627.13
X 449364.76

CURVE DATA

P.I. 207+04.76 HX
Y 151948.09
X 449677.47
△ = 81°13'45"
D = 29°22'57"
T = 167.22'
L = 276.46'
E = 61.88'
R = 195.00'
P.C. 205+37.54 HX
P.T. 208+13.99 HX
S.E. 6.0%
L.R.

P.I. DATA

P.I. 208+17.59 HX
Y 151848.94
X 449816.56

BP 197+00.00HX
198HX
200HX
202HX
204HX
206HX
208HX
PC 201+05.95HX
PI 201+81.87HX
PT 202+56.65HX
PC 205+37.54HX
PI 207+04.76HX
PT 208+13.99HX
EP 208+17.59HX
N26°59'07"E
N44°15'15"E
S54°30'59"E
SLOPE INTERCEPT
ROSE ST TO IH 90 WB
ROSE ST SB
ROSE ST NB
SIGN
MH
INL
112RS
114RS
116RS
118RS
120RS
122RS
124RS
126RS

VCL = 100.00
K = 42.89
VPC STA 197+50.00 EL 656.47
VPC STA 197+50.00 VPC EL 656.47
VPI STA 198+00.00 VPI EL 655.10
VPC STA 198+70.00 VPC EL 654.82
VPT STA 198+50.00 VPT EL 654.90
VPI STA 199+00.00 VPI EL 654.70
VPT STA 199+30.00 VPT EL 654.11
STA 200+00.00 EL 652.74
-2.73%
-0.40%
-1.96%
FINISHED PROFILE
EXISTING PROFILE
VCL = 60.00
K = 38.56
STA 202+00.00 EL 648.75
STA 203+00.00 EL 648.14
VPC STA 203+50.00 VPC EL 647.75
VPI STA 204+00.00 VPI EL 647.35
VPT STA 204+50.00 VPT EL 646.29
-1.44%
-0.79%
-2.11%
FINISHED PROFILE
EXISTING PROFILE
VCL = 100.00
K = 75.67
VPC STA 205+50.00 VPC EL 644.38
VCL = 200.00
K = 48.63
VPI STA 206+50.00 VPI EL 642.07
2.00%
VPT STA 207+50.00 VPT EL 644.07
STA 207+69.18 EL 644.45
STA 207+85.68 EL 644.99
STA 208+05.81 EL 645.24
STA 208+17.59 EL 645.37
3.28%
1.23%
1.06%

197	198	199	200	201	202	203	204	205	206	207	208
657.57	656.47	655.72	654.90	654.58	653.72	652.74	651.93	651.24	650.35	649.57	648.90
656.47	655.39	654.90	654.58	653.72	652.74	648.86	648.14	647.75	647.18	646.29	645.24
648.21	647.73	647.75	644.89	647.18	640.65	646.29	638.81	645.24	638.61	644.18	638.26
643.38	638.19	643.10	641.71	643.33	643.25	644.07	645.07	645.17			

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY HX RAMP	SHEET 589	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050119_pptmphx.dgn
PLOT DATE : 7/14/2016
PLOT BY : AYRES-EC
PLOT NAME :
PLOT SCALE : 1:100

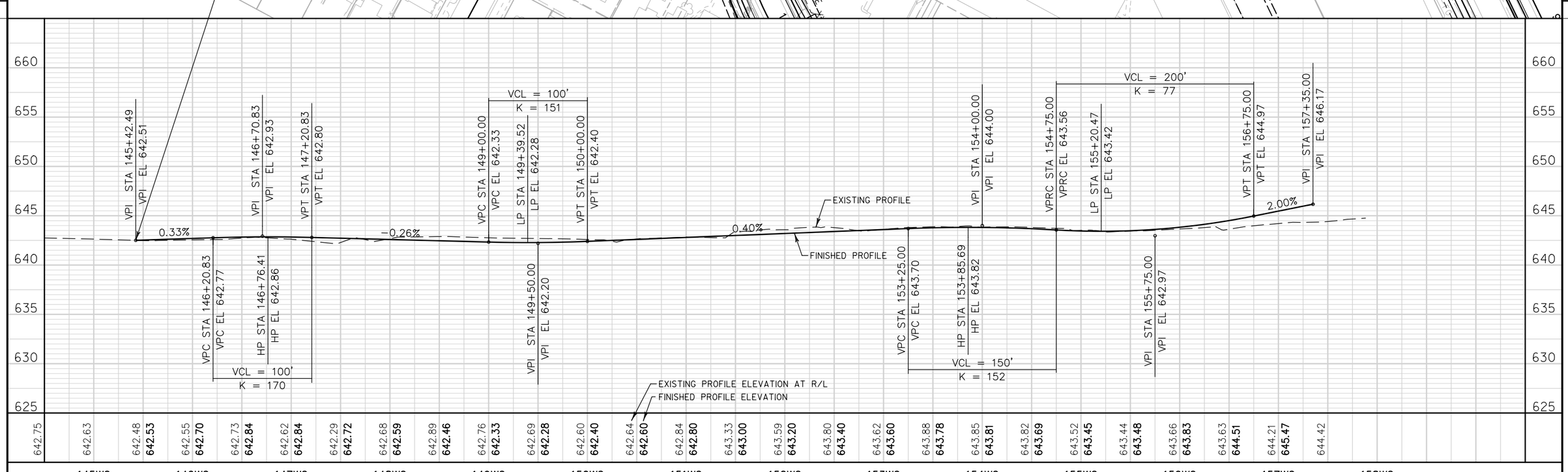
WISDOT/CADDS SHEET 40

GEORGE ST (STH 35)
CUNNINGHAM ST
CAMPBELL ST
XCEL ELECT
SLOPE INTERCEPT (TYP)
REMOVE CURB AND GUTTER
REMOVE SIDEWALK
R/L W GEORGE ST
CITY OF LA ONALASKA
RECONSTRUCT MANHOLE
XCEL GAS
REMOVE PAVEMENT
XCEL ENERGY NATURAL GAS
REMOVE BUSINESS SIGN BURGER KING
CITY OF LA CROSSE
S-32-0066
CENTRY LINK POLES WITH XCEL ENERGY ELECTRIC LINE
XCEL ENERGY
146WG
148WG
150WG
152WG
154WG
88RS
88BN
90RS
90BN
CAUTION
BEGIN CONSTRUCTION
STA 145+42.49 WG
SAWCUT AND MATCH EXISTING

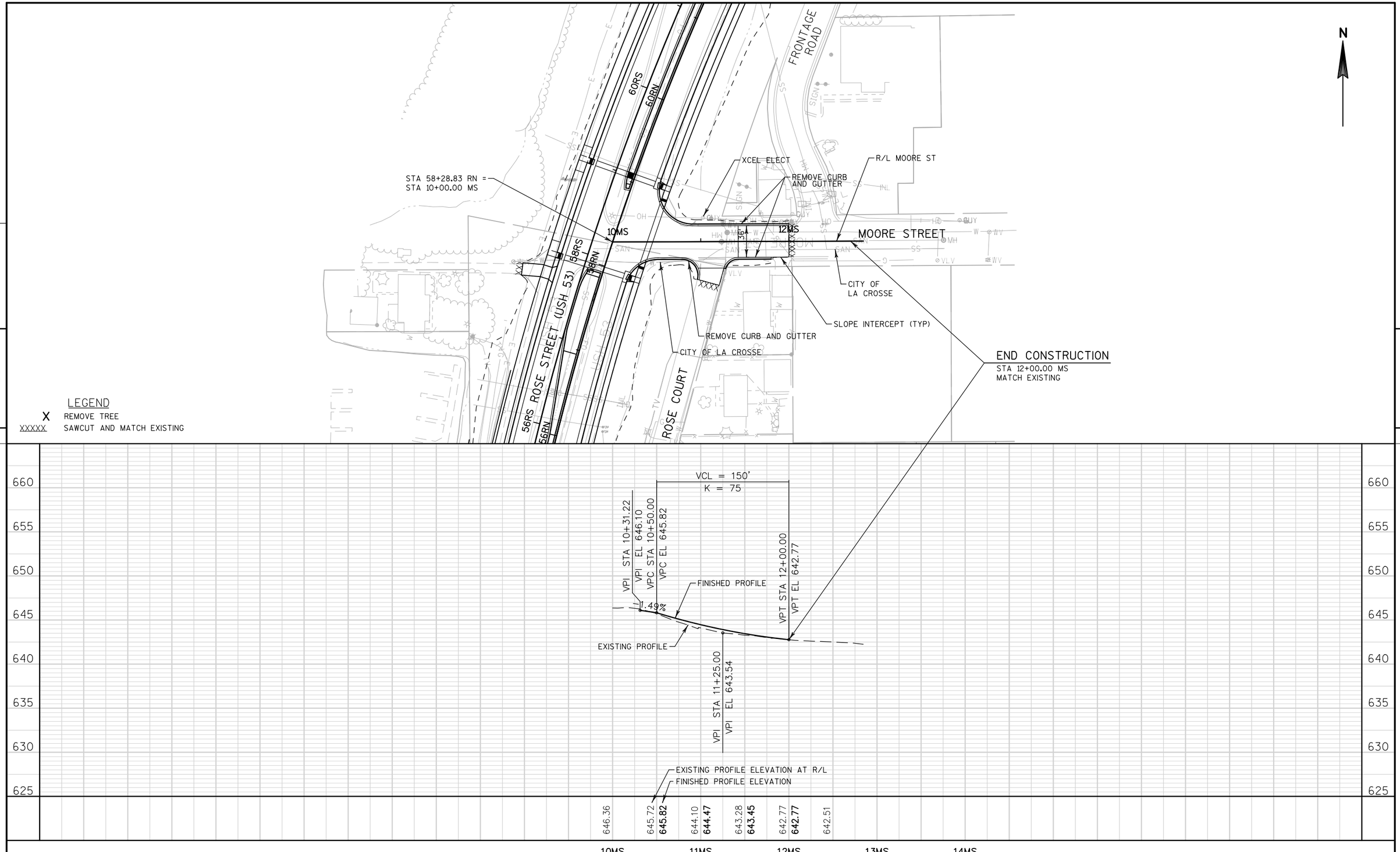
** COORDINATE LOCATION OF COMMERCIAL DRIVEWAY WITH SITE CONSTRUCTION DRIVEWAY SHOWN ON PLAN & PROFILE AND PAVING DETAILS ONLY.

LEGEND
X REMOVE TREE
XXXXX SAWCUT AND MATCH EXISTING

5



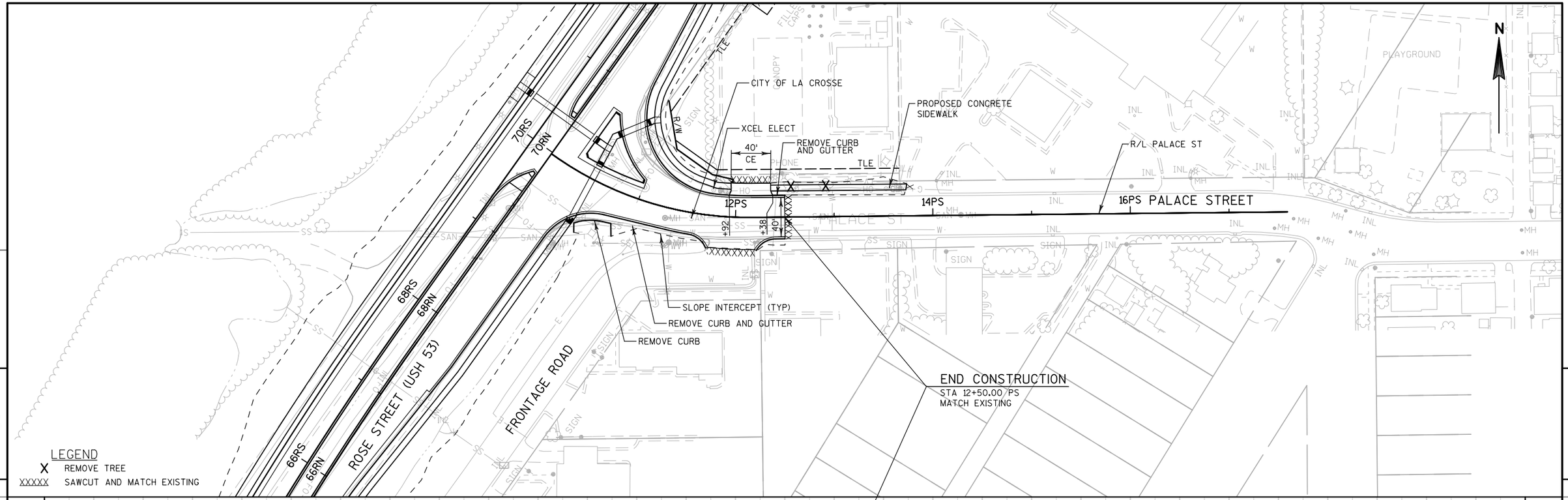
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - W GEORGE STREET (STH 35)(WG LINE)	SHEET 590	E

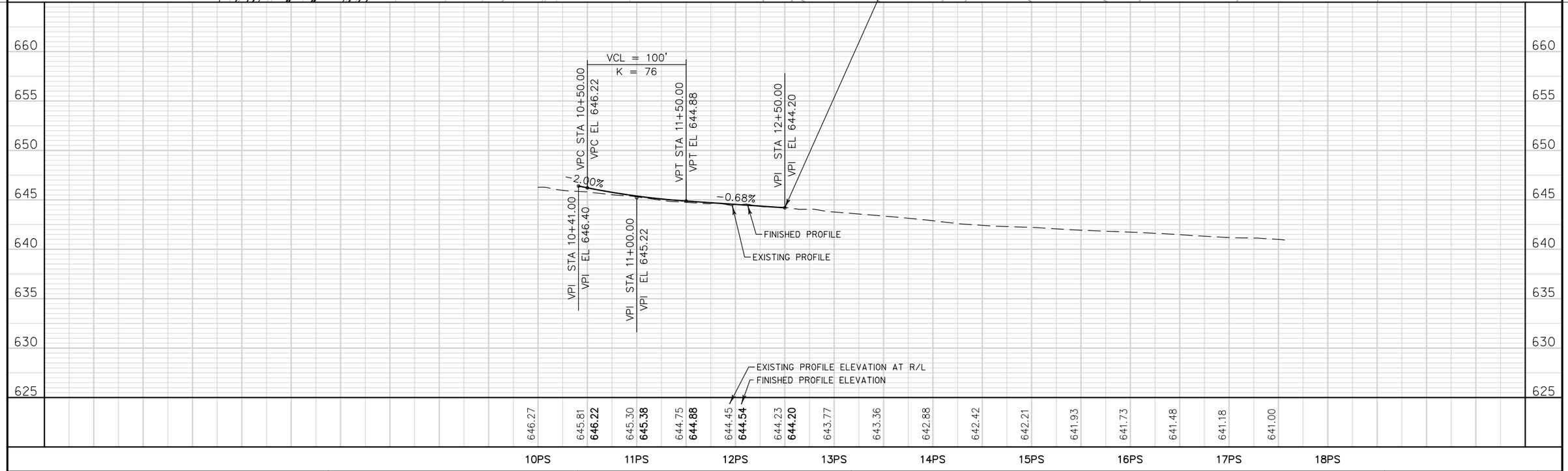


PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - MOORE STREET (MS LINE)	SHEET 591	E

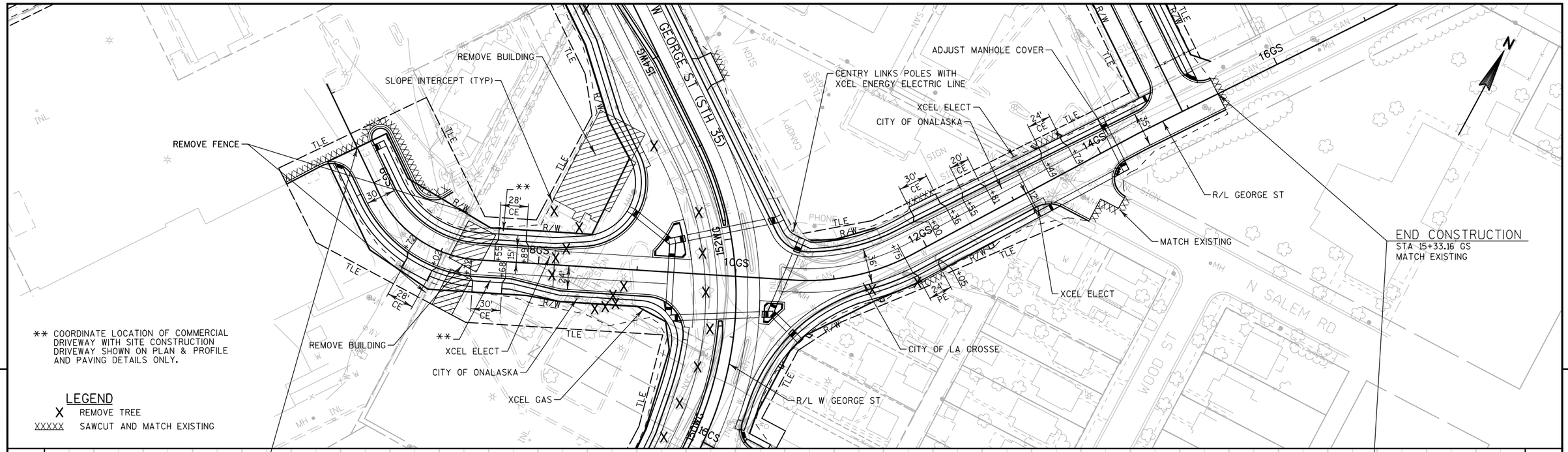
FILE NAME : ch_0682_050110_pp-50Scale.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

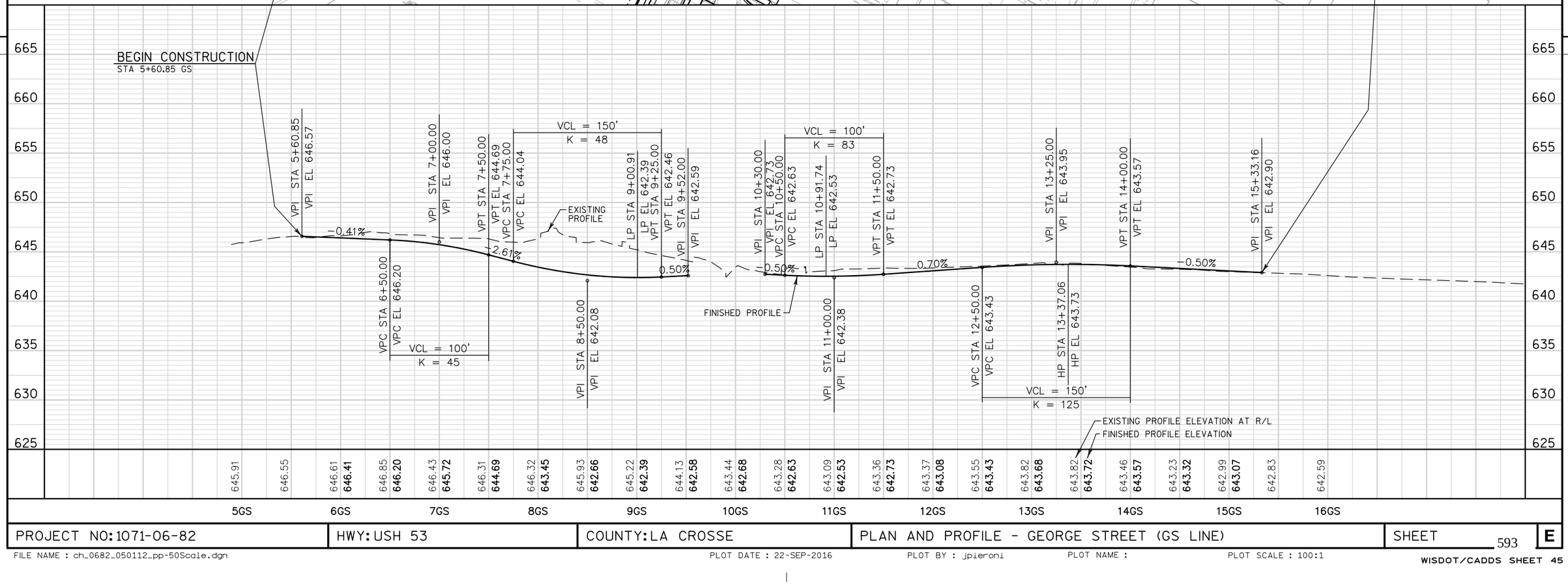
WISDOT/CADDS SHEET 40



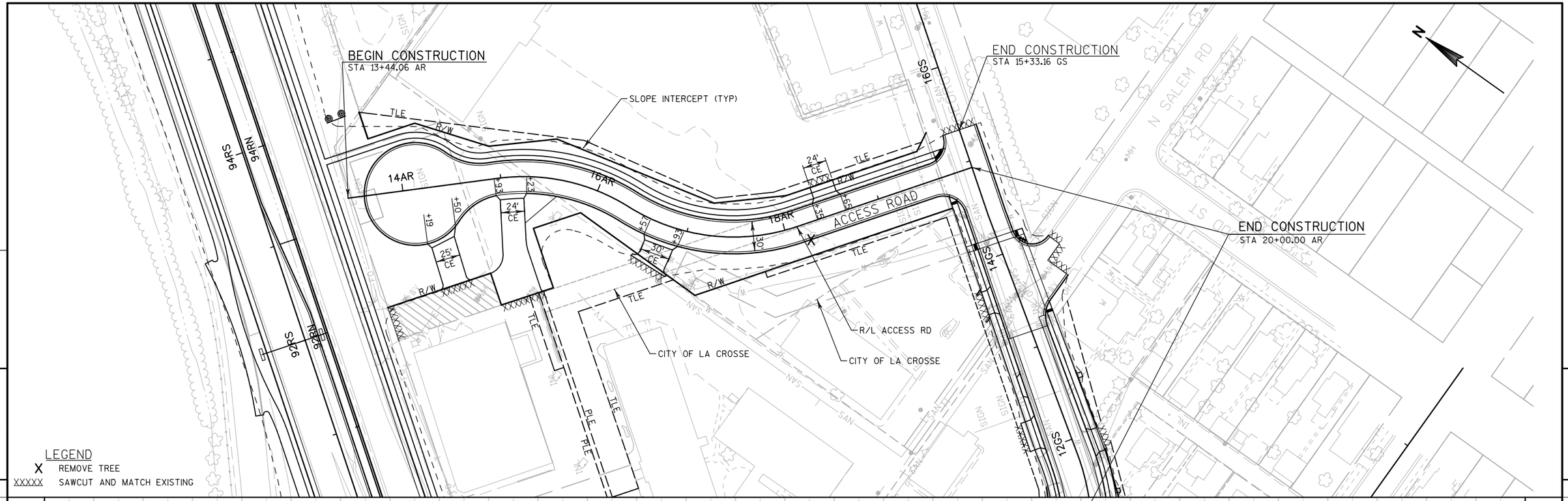


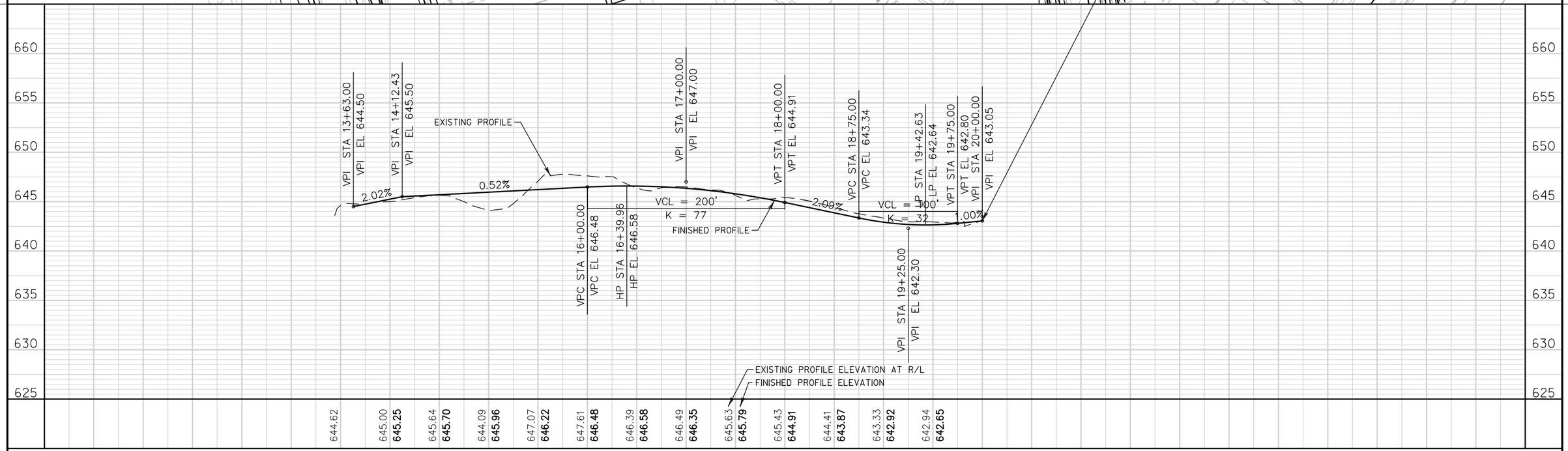
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - PALACE STREET (PS LINE)	SHEET 592	E



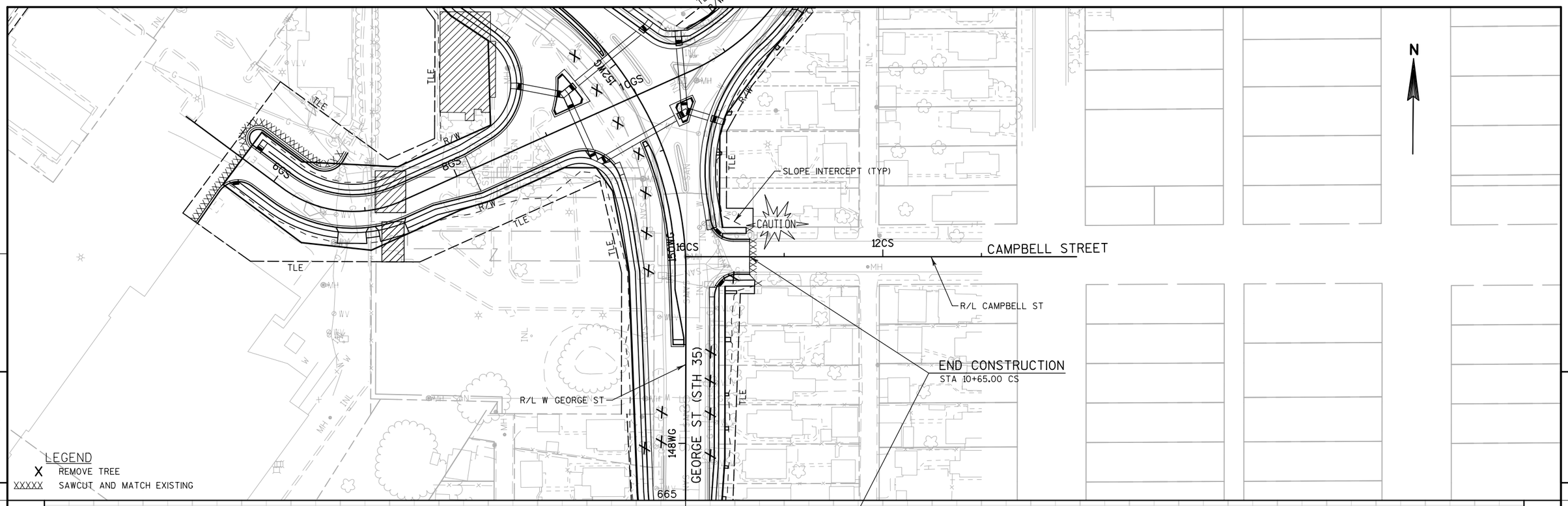


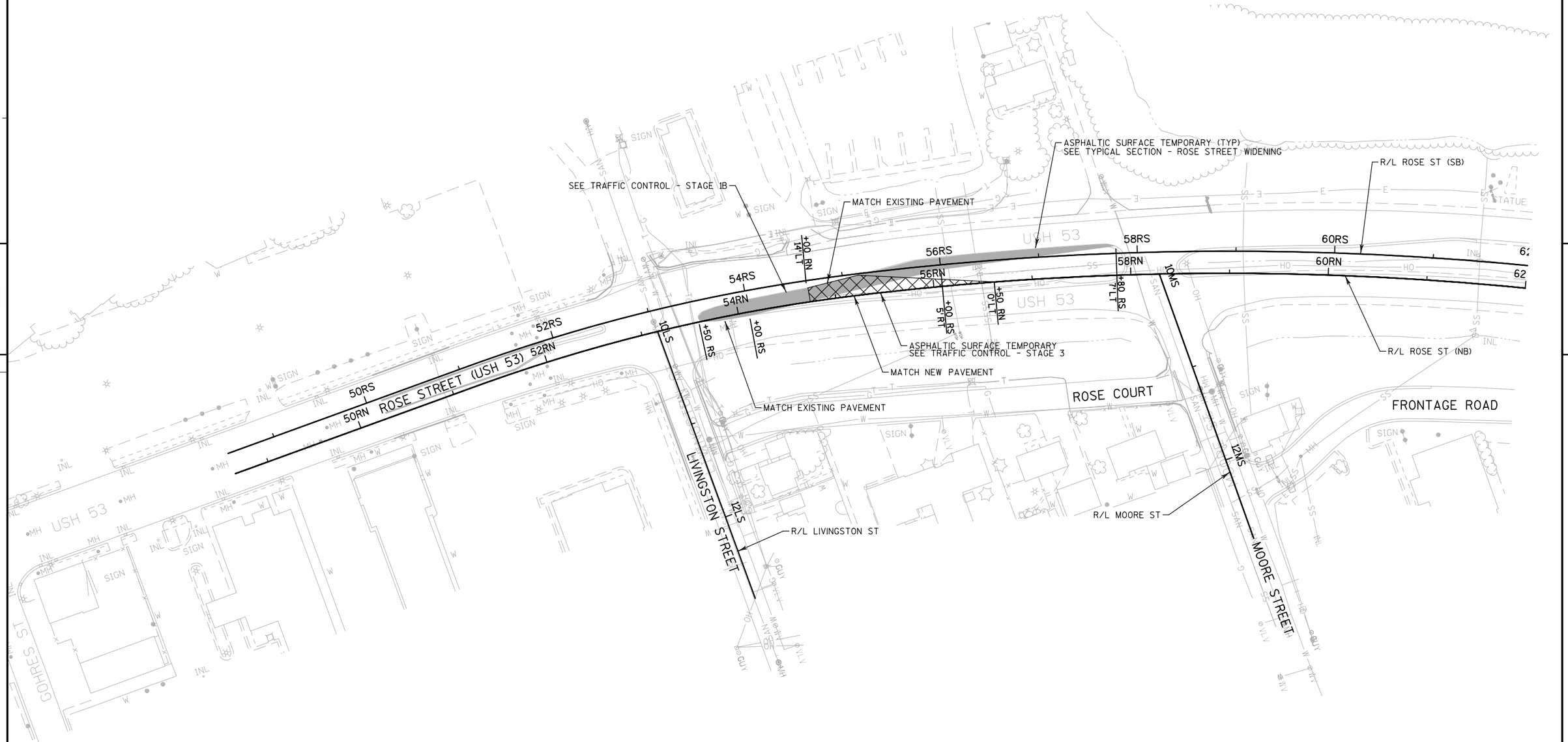
PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PLAN AND PROFILE - GEORGE STREET (GS LINE)	SHEET 593	E





PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN AND PROFILE - ACCESS ROAD (AR LINE)	SHEET 594 E

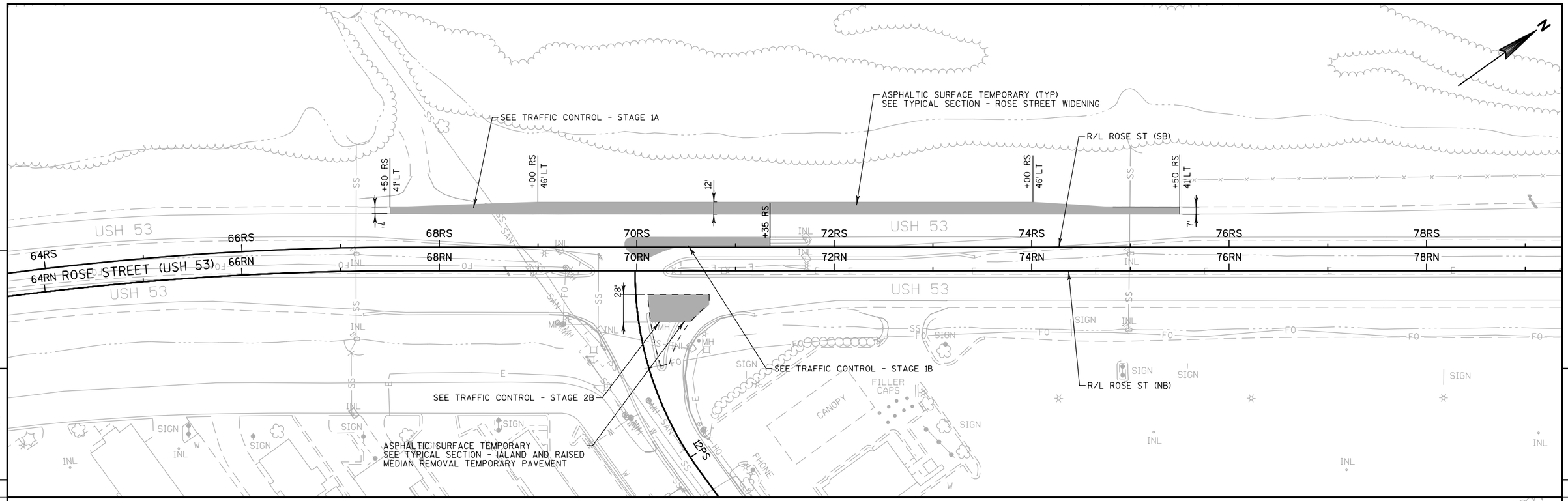

N
TLE
R/W
TLE
R/W
TLE
R/W
TLE
TLE
TLE



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN - TEMPORARY PAVEMENT	SHEET 596 E

FILE NAME : ch_0682_050121_pp.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44



PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	PLAN - TEMPORARY PAVEMENT	SHEET 597	E

FILE NAME : ch_0682_050122_pp.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

5

144WG
146WG
148WG
150WG
152WG
154WG
156WG
+49 WG 28' LT
+25 WG 28' LT
+00 WG 15' LT
+20 WG 18.7' LT
SEE TRAFFIC CONTROL - STH 35 - STAGE 1B
ASPHALTIC SURFACE TEMPORARY
SEE TYPICAL SECTION - STH 35 WIDENING
R/L W GEORGE ST
SEE TRAFFIC
CONTROL - STH 35 - STAGE 1C
MATCH NEW
PAVEMENT
MATCH EXISTING
PAVEMENT
ASPHALTIC SURFACE TEMPORARY
SEE TYPICAL SECTION - ISLAND AND RAISED
MEDIAN REMOVAL TEMPORARY PAVEMENT
CUNNINGHAM ST
CAMPBELL ST
GEORGE STREET
W. GEORGE STREET (STH 35)
R/L GEORGE ST
86RN
88RN
S98
S96
S94
S92
S90
S88
N

R/L ROSE ST (SB)
R/L ROSE ST (NB)
84RS
86RS
88RS
90RS
92RS
94RS
96RS
98RS
84RN
86RN
88RN
90RN
92RN
94RN ROSE STREET (USH 53) 96RN
98RN
ASPHALTIC SURFACE TEMPORARY (TYP)
SEE TYPICAL SECTION - ROSE STREET WIDENING
+80 RN 48' RT
+00 RN 48' RT
SEE TRAFFIC CONTROL - STAGE 1C/2A
14AR
156WG
12'
VACUUM
CANOPY
FILLER CAPS

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	PLAN - TEMPORARY PAVEMENT	SHEET 598	E

BP 98+00.00RN

100RN 102RN 104RN 106RN 108RN 110RN 112RN

ROSE ST SB

ROSE ST NB

N35°30'23"E

H RAMP

IH 90 WB

IH 90 EB

SLOPE INTERCEPT

SLOPE INTERCEPT

CITY OF LA CROSSE
- STORM SEWER

WISCONSIN
INDEPENDENT
NETWORK

5

5

PI 119+02.73RN

116RN 118RN 120RN 122RN 124RN 126RN 128RN

ROSE ST SB

ROSE ST NB

N35°49'35"E

SLOPE INTERCEPT

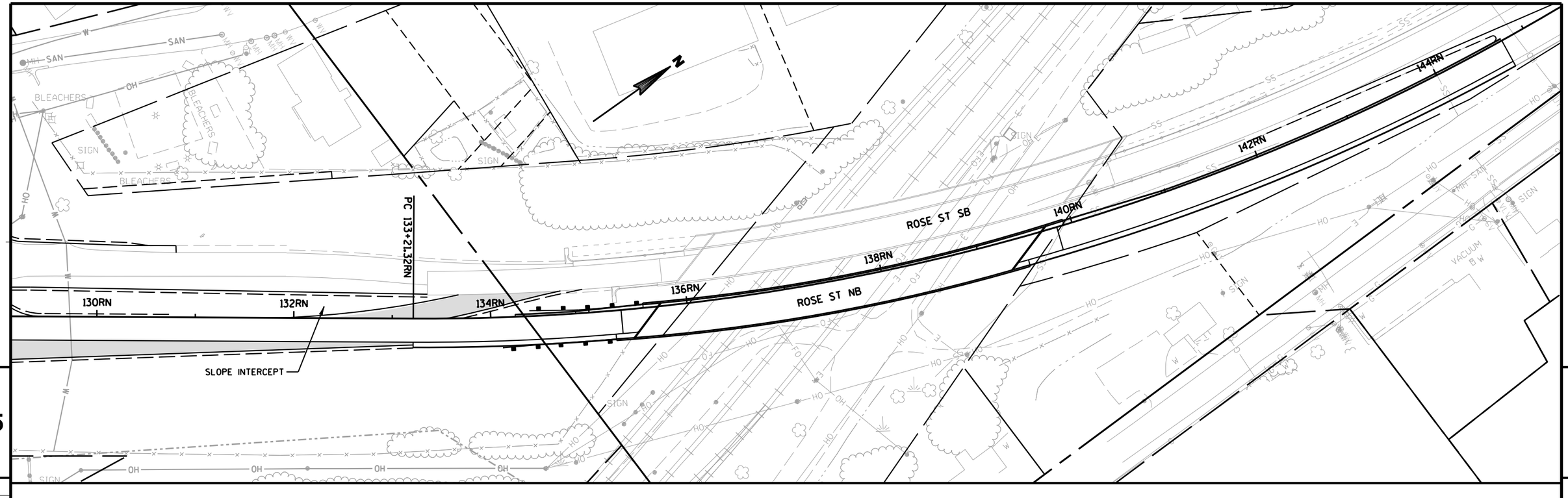
SLOPE INTERCEPT

SLOPE INTERCEPT

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN - TEMPORARY ROSE ST NORTHBOUND WIDENING (RN)	SHEET	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050120_pptmprn.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN - TEMPORARY ROSE ST NORTHBOUND WIDENING (RN)	SHEET 600	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050121_pptmprn.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44

BP 98+14.27RS

SLOPE INTERCEPT

SLOPE INTERCEPT

H RAMP

ROSE ST SB

100RS 102RS 104RS 106RS 108RS 110RS 112RS

N35°30'23"E

SLOPE INTERCEPT

ROSE ST NB

CITY OF LA CROSSE
- STORM SEWER

WISCONSIN
INDEPENDENT
NETWORK

IH 90 EB

IH 90 WB

5

5

198HX 200HX 204HX 206HX 208HX

PI 119+17.13RS

SLOPE INTERCEPT

SLOPE INTERCEPT

ROSE ST SB

116RS 118RS 120RS 122RS 124RS 126RS 128RS 130RS

N35°49'35"E

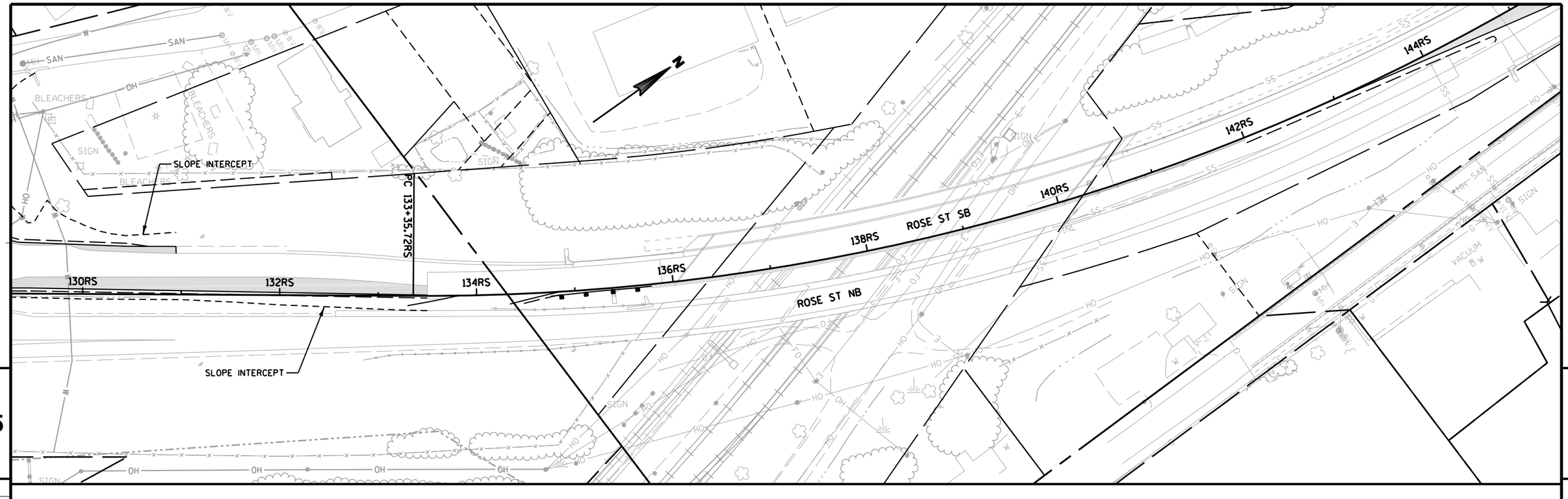
SLOPE INTERCEPT

ROSE ST NB

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN - TEMPORARY ROSE ST SOUTHBOUND WIDENING (RS)	SHEET 601	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050122_pptmprs.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN - TEMPORARY ROSE ST SOUTHBOUND WIDENING (RS)	SHEET 602	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050123_pptmprs.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44

CURVE DATA	CURVE DATA
P.I. 139+53.77 RW	P.I. 147+54.79 RW
Y 153133.17	Y 153931.69
X 450707.27	X 450853.22
△ = 22°16'44"	△ = 17°25'02"
D = 2°34'55"	D = 4°46'22"
T = 436.94'	T = 183.89'
L = 862.83'	L = 364.94'
E = 42.61'	E = 14.00'
R = 2219.00'	R = 1200.50'
P.C.C135+16.83 RW	P.C. 145+70.90 RW
Y 152759.23	Y 153751.88
X 450481.25	X 450814.70
P.T. 143+79.66 RW	P.T. 149+35.84 RW
Y 153564.88	Y 154114.78
X 450774.65	X 450836.14

PC 135+16.83RW
PI 135+08.42RW
136RW
138RW
ROSE ST SB
140RW
142RW
144RW
PT 143+79.66RW
PC 145+70.90RW
146RW
148RW
EP 149+35.84RW
N12°05'23"E
ROSE ST NB
PI 139+53.77RW
PI 147+54.79RW
5

FINISHED PROFILE
EXISTING PROFILE
STA 145+00.00 EL 677.70
STA 145+75.00 EL 678.35
STA 146+50.00 EL 678.74
STA 147+50.00 EL 679.47
0.86%
0.52%
0.73%

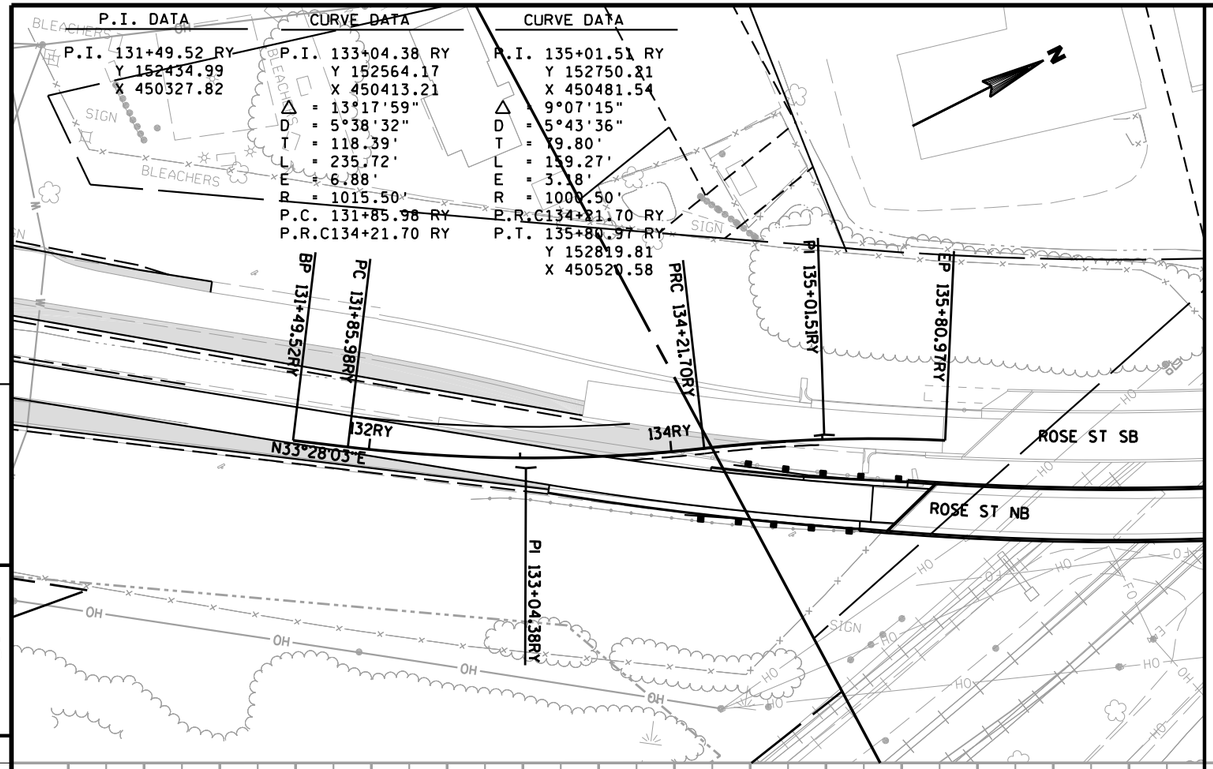
695 690 685 680 675 670 665 660

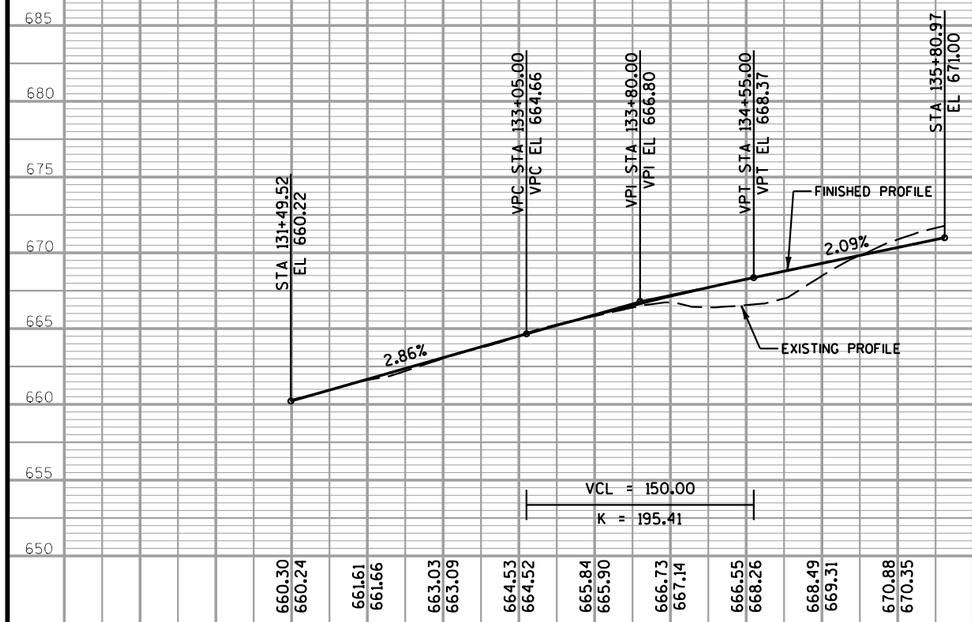
136	137	138	139	140	141	142	143	144	145	146	147	148	149
670.74	672.05	663.42	646.62	644.84	645.97	645.84	645.28	654.30	668.71	675.85	675.99	676.23	676.43	676.74	677.45	677.30	677.59	678.52	678.81 **677.70**	678.68 **678.13**	678.45 **678.48**	679.02 **678.74**	679.66 **679.10**	679.99 **679.47**	680.35	680.74	681.06

PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY CROSSOVER - RW	SHEET 603	E

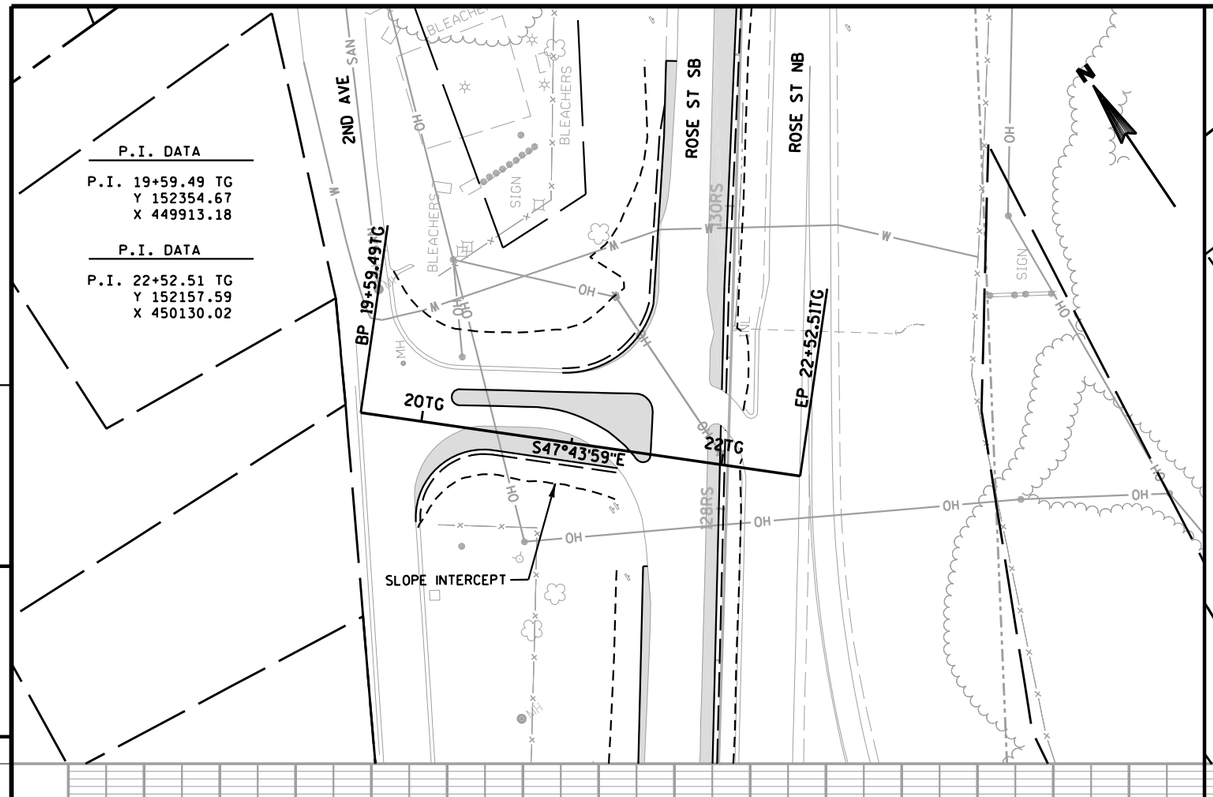
FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050124_pptmprw.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

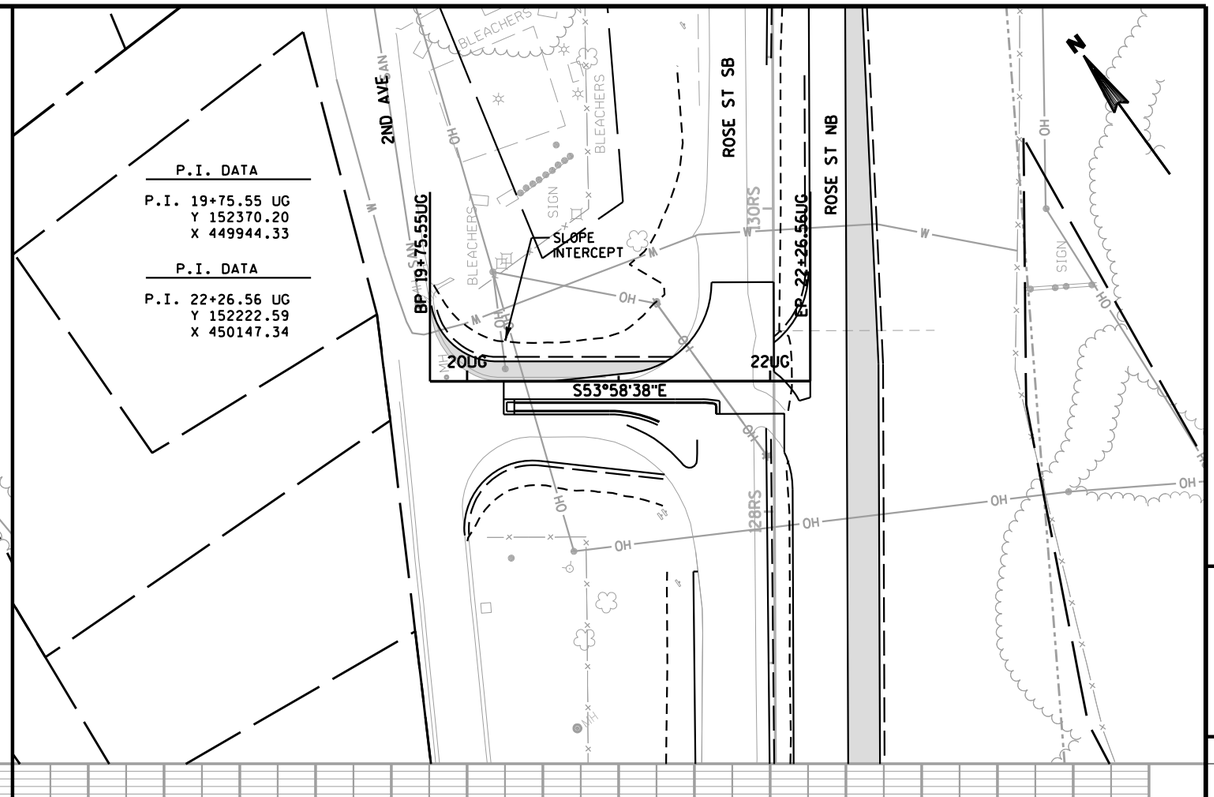
P.I. DATA	CURVE DATA	CURVE DATA
P.I. 131+49.52 RY	P.I. 133+04.38 RY	P.I. 135+01.51 RY
Y 152434.99	Y 152564.17	Y 152750.21
X 450327.82	X 450413.21	X 450481.54
	△ = 13°17'59"	△ = 9°07'15"
	D = 5°38'32"	D = 5°43'36"
	T = 118.39'	T = 79.80'
	L = 235.72'	L = 159.27'
	E = 6.88'	E = 3.18'
	R = 1015.50'	R = 1000.50'
	P.C. 131+85.98 RY	P.R.C134+21.70 RY
	P.R.C134+21.70 RY	P.T. 135+80.97 RY
		Y 152819.81
		X 450520.58





PROJECT NO: 7190-03-72	HWY: STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY CROSSOVER - RY	SHEET 604	E





5

5

TG LINE

UG LINE

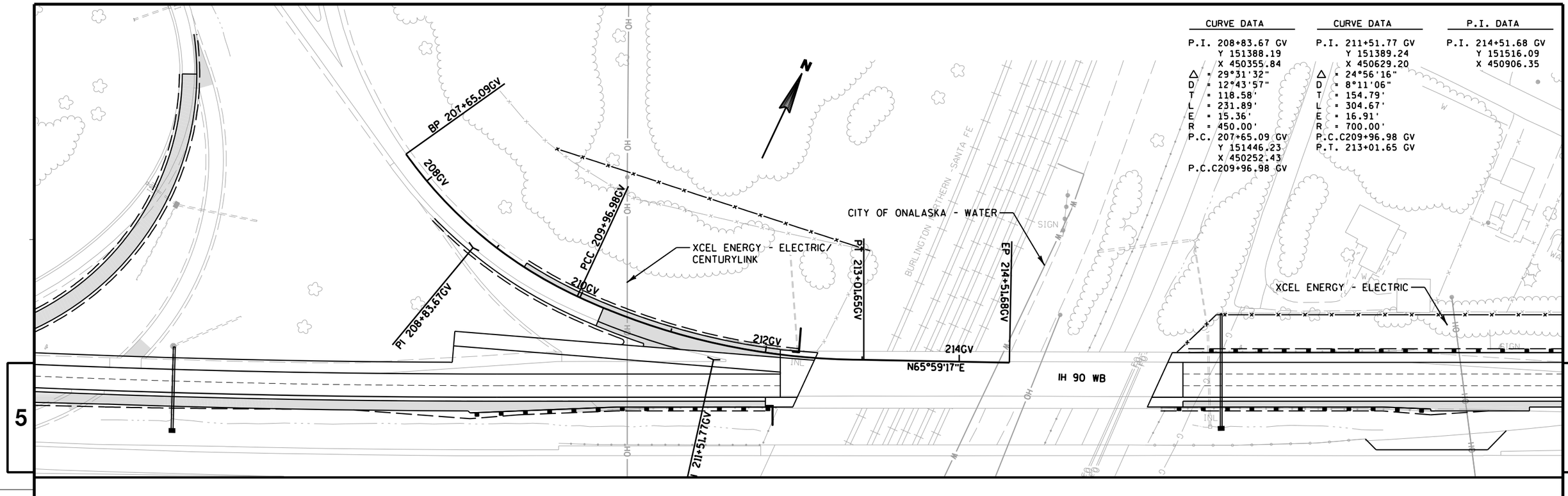
665
660
655
650
645
640
635
630

NO PROFILES
BUILD OF EXISTING PAVEMENT

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - TEMPORARY TG LINE & UG LINE	SHEET 605	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050126_pptmptgug.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40



FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED
BY OTHERS

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN - FINAL IH 90 WB TO ROSE ST RAMP (GV)	SHEET 606	E

FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED
BY OTHERS

CURVE DATA

P.I. 198+10.72 HW
Y 150850.91
X 449410.39
△ = 6°24'58"
D = 0°38'16"
T = 503.51'
L = 1005.97'
E = 14.10'
R = 8983.23'
P.C. 193+07.21 HW
Y 150699.93
X 448930.05
P.C.C 203+13.18 HW
S.E. RC
L.R. ***

CURVE DATA

P.I. 205+94.29 HW
Y 151168.35
E 450127.93
△ = 91°15'35"
D = 20°50'05"
T = 281.11'
L = 438.02'
E = 118.26'
R = 275.00'
P.C.C 203+13.18 HW
P.T. 207+51.19 HW
Y 151422.87
X 450008.58
S.E. 6.0%
L.R. ***

*** TRANSITIONS MODIFIED (SEE CROSS SECTIONS)

BP 193+07.21HW
ROSE ST SB
ROSE ST NB
CITY OF ONALASKA - SANITARY
PCC 203+13.18HW
SLOPE INTERCEPT
EP 207+51.19HW
STA 201+08 HW - STA 207+51 HW
REMOVING CURB & GUTTER
STA 206+30 HW
REMOVING INLET, LT & RT
REMOVING SMALL PIPE CULVERT
SLOPE INTERCEPT
PI 205+94.29HW
194HW
196HW
198HW
200HW
202HW
204HW
206HW
208HU
204HU
IH 90 WB
IH 90 EB
198HU
200HU
202HU
PI 198+10.7
5
5

680 675 670 665 660 655 650 645

STA 200+50.00
EL 667.90
FINISHED PROFILE
-0.09%
EXISTING PROFILE
VPC STA 203+75.00
VPC EL 667.62
VPI STA 204+50.00
VPI EL 667.55
VPC STA 205+25.00
VPC EL 665.91
-2.19%
VPI STA 206+00.00
VPI EL 664.26
VPT STA 206+75.00
VPT EL 660.11
-5.54%
STA 207+51.19
EL 655.89
VCL = 150.00
K = 71.20
VCL = 150.00
K = 44.89

645.23 645.48 645.48 645.50 645.88 661.53 666.09 666.22 666.32 666.48 666.27 666.39 666.52 666.96 667.02 667.90 667.10 667.86 667.06 667.82 666.99 667.77 666.98 667.73 667.26 667.69 667.46 667.64 666.84 667.55 665.83 667.16 665.28 666.41 665.27 665.29 663.61 663.64 661.31 661.42 658.73 658.73 655.95 655.96

193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - FINAL ROSE ST NB TO IH 90 WB RAMP (HW)	SHEET 607	E

FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED BY OTHERS

VERIFY VERTICAL CLEARANCE ON 'TN' AND 'TS' LINE PRIOR TO OPENING TO TRAFFIC. ADJUST SHOULDER WIDTH TO KEEP VERTICAL CLEARANCE.
14'7" SOUTHBOUND / 15'1" NORTHBOUND

IH 90 WB
IH 90 EB
ROSE ST SB
ROSE ST NB
SIGN
INL
SS

BP 104+00.00TN
BP 106+14.97TS
PI 108+02.72TS
PI 108+02.26TN
BP 200+00.00GW
PI 109+32.72TN
PI 112+27.86TN
PC 204+70.93GW
PI 114+56.59GW
PT 206+53.39GW
PC 208+04.18GW
PI 208+57.40GW
EP 209+10.13GW
EP 115+23.72TN
PI 205+63.43GW
EP 116+56.52TS

104TN 106TN 108TN 110TN 112TN 114TN

108TS 110TS 112TS 114TS 116TS

200GW 202GW 204GW 206GW 208GW

N35°30'23"E N36°46'43"E N36°05'54"E N34°08'42"E N35°31'23"E N35°28'30"E N35°07'59"E N10°54'45"E N34°20'29"E

P.I. DATA	CURVE DATA	CURVE DATA	P.I. DATA
P.I. 106+14.97 TS	P.I. 108+02.72 TS	P.I. 114+56.59 TS	P.I. 116+56.52 TS
Y 150403.91	Y 150554.29	Y 151086.46	Y 151251.54
X 448786.34	X 448898.75	X 449278.67	X 449391.45
	△ = 01°15'20"	△ = 1°10'54"	

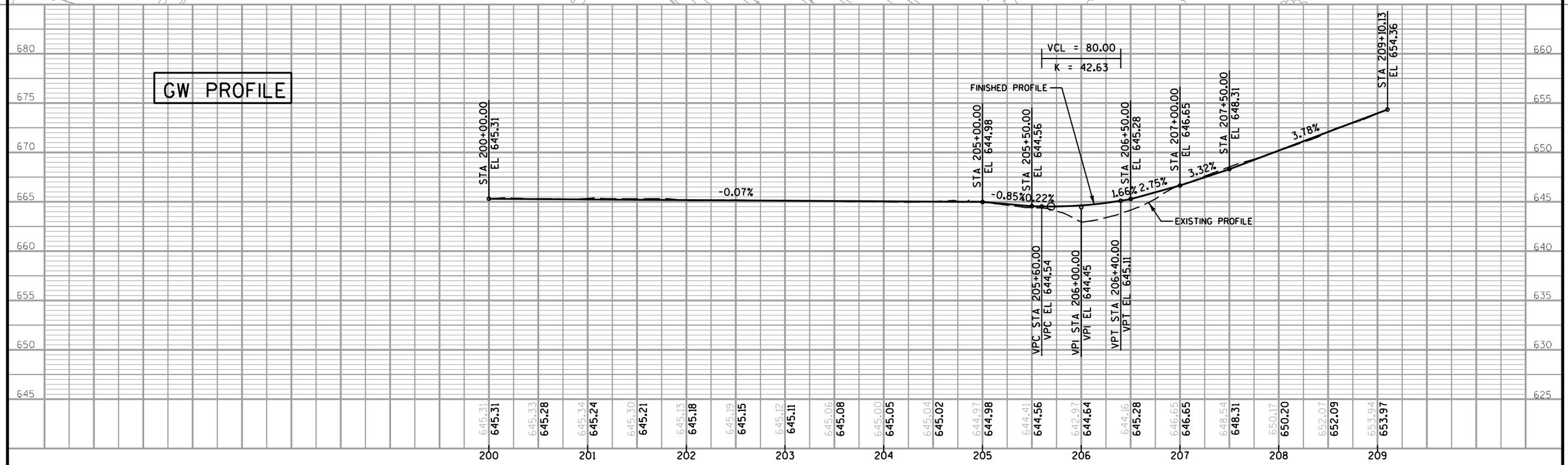
P.I. DATA	CURVE DATA
P.I. 200+00.00 GW	P.I. 205+63.43 GW
Y 150603.55	Y 151069.85
X 448922.65	X 449238.90
	△ = 23°13'57"
	D = 12°43'57"
	T = 92.51'
	L = 182.47'
	E = 9.41'
	R = 450.00'
	P.C. 204+70.93 GW
	P.T. 206+53.39 GW

CURVE DATA
P.I. 208+57.40 GW
Y 151361.00
X 449295.03
△ = 13°29'22"
D = 12°43'57"
T = 53.22'
L = 105.95'
E = 3.14'
R = 450.00'
P.C. 208+04.18 GW
P.T. 209+10.13 GW
Y 151409.47
X 449317.01

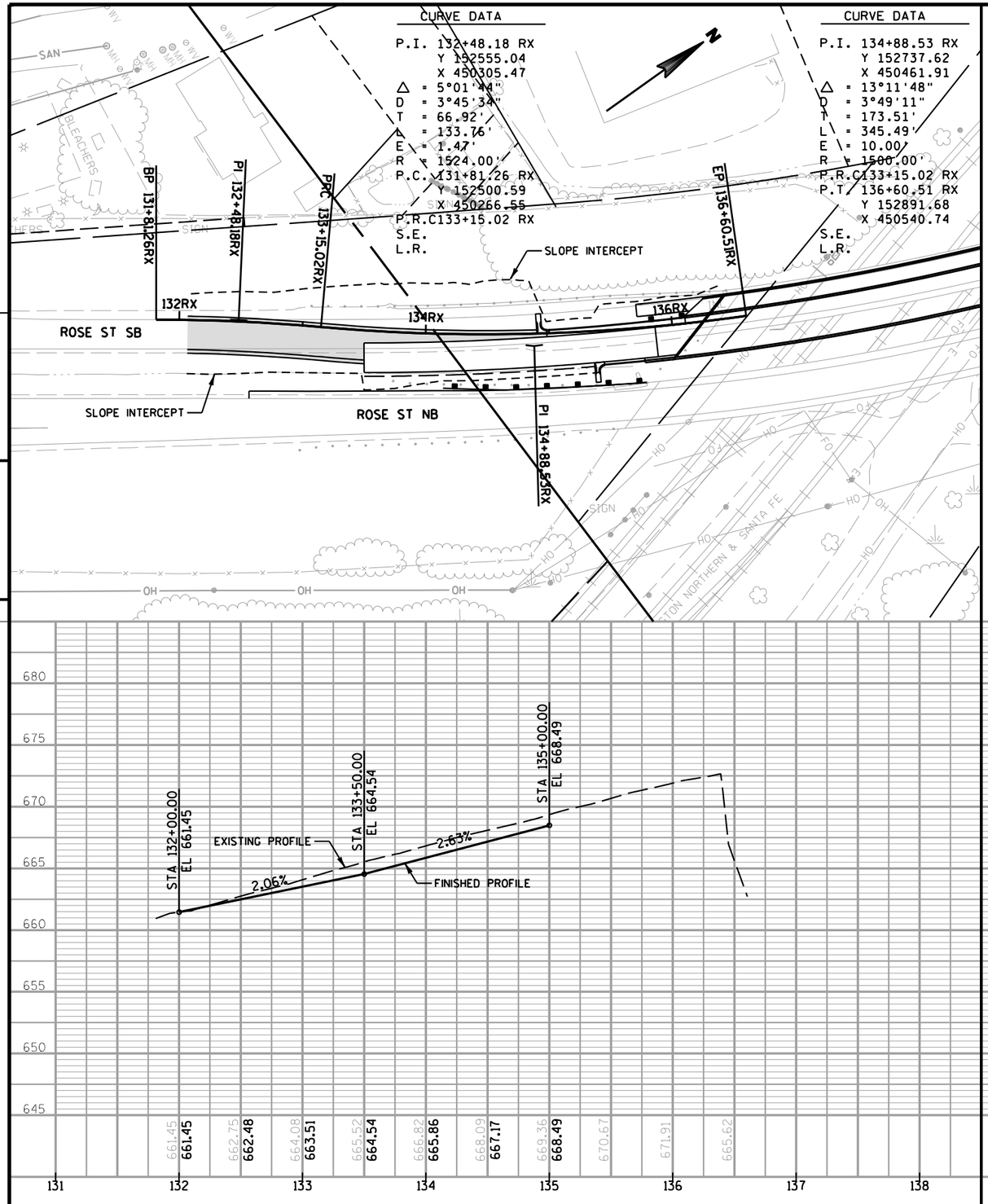
P.I. DATA	CURVE DATA	CURVE DATA
P.I. 104+00.00 TN	P.I. 108+02.26 TN	P.I. 109+32.72 TN
Y 150203.51	Y 150530.97	Y 150636.38
X 448721.66	X 448955.29	X 449032.16
	△ = 00°35'31"	△ = 0°37'14"

CURVE DATA	P.I. DATA
P.I. 112+27.86 TN	P.I. 115+23.72 TN
Y 150876.74	Y 151118.69
X 449203.44	X 449373.70
△ = 0°20'31"	

GW PROFILE



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - GW/TN/TS TEMPORARYS	SHEET 608	E



FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED
BY OTHERS

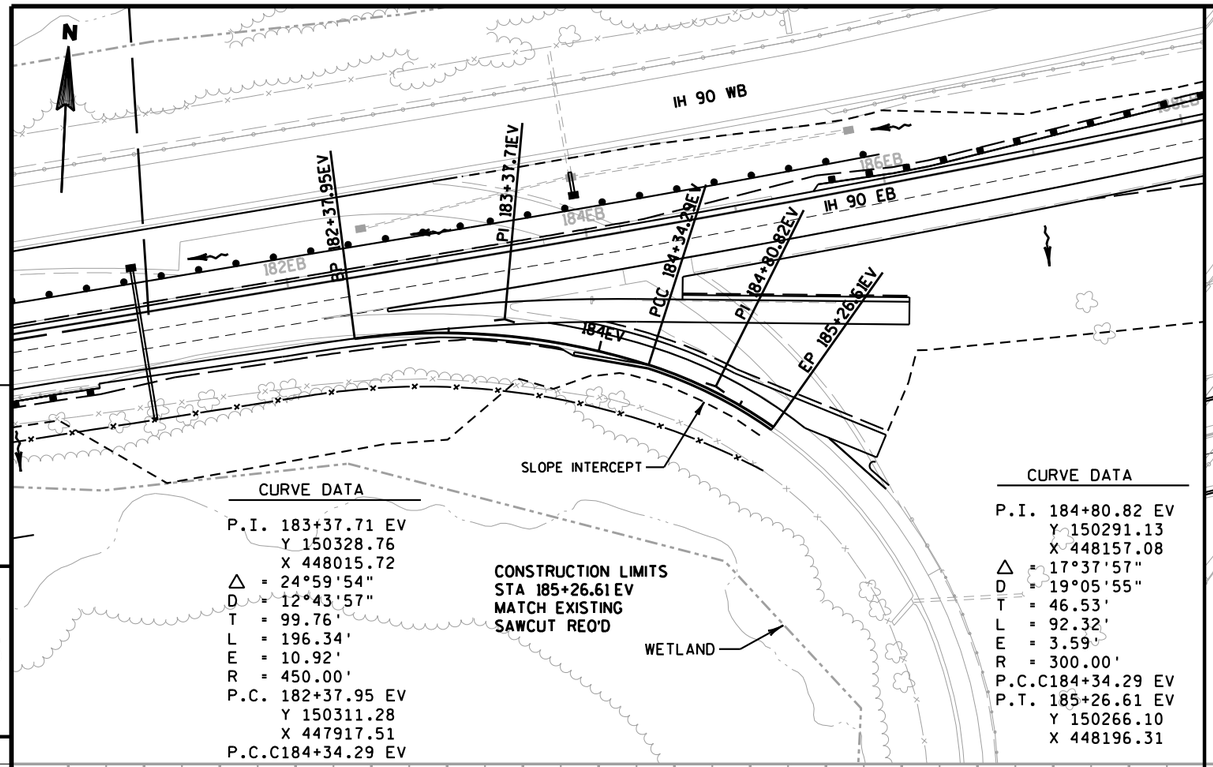
5

5

PROJECT NO: 7190-03-72	HWY: USH 53/STH 35	COUNTY: LA CROSSE	PLAN & PROFILE - RX LINE	SHEET 609	E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050143_pptmprx.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

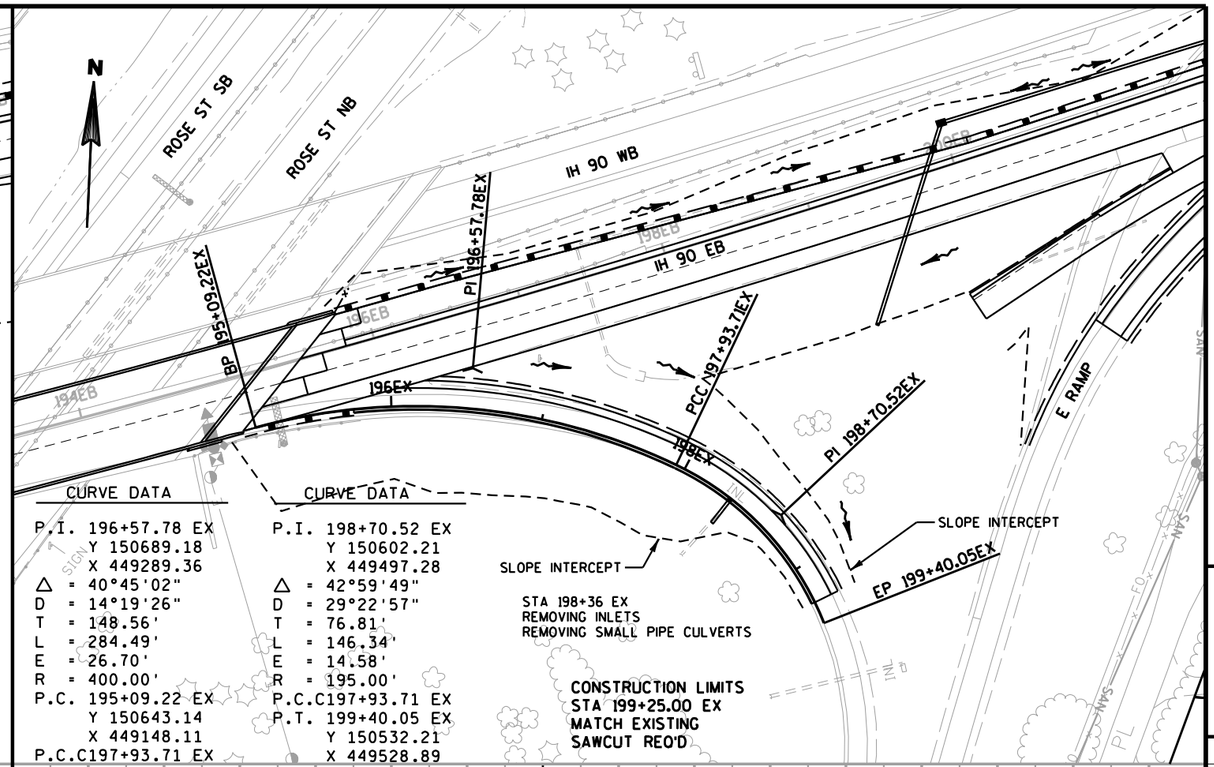


CURVE DATA

P.I. 183+37.71 EV
Y 150328.76
X 448015.72
△ = 24°59'54"
D = 12°43'57"
T = 99.76'
L = 196.34'
E = 10.92'
R = 450.00'
P.C. 182+37.95 EV
Y 150311.28
X 447917.51
P.C.C184+34.29 EV

CURVE DATA

P.I. 184+80.82 EV
Y 150291.13
X 448157.08
△ = 17°37'57"
D = 19°05'55"
T = 46.53'
L = 92.32'
E = 3.59'
R = 300.00'
P.C.C184+34.29 EV
P.T. 185+26.61 EV
Y 150266.10
X 448196.31



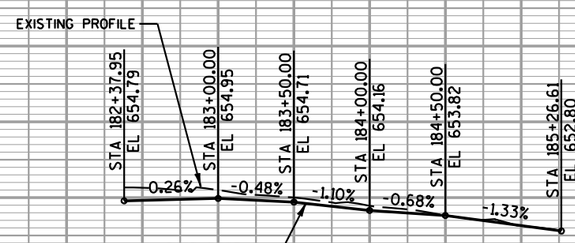
CURVE DATA

P.I. 196+57.78 EX
Y 150689.18
X 449289.36
△ = 40°45'02"
D = 14°19'26"
T = 148.56'
L = 284.49'
E = 26.70'
R = 400.00'
P.C. 195+09.22 EX
Y 150643.14
X 449148.11
P.C.C197+93.71 EX

CURVE DATA

P.I. 198+70.52 EX
Y 150602.21
X 449497.28
△ = 42°59'49"
D = 29°22'57"
T = 76.81'
L = 146.34'
E = 14.58'
R = 195.00'
P.C.C197+93.71 EX
P.T. 199+40.05 EX
Y 150532.21
X 449528.89

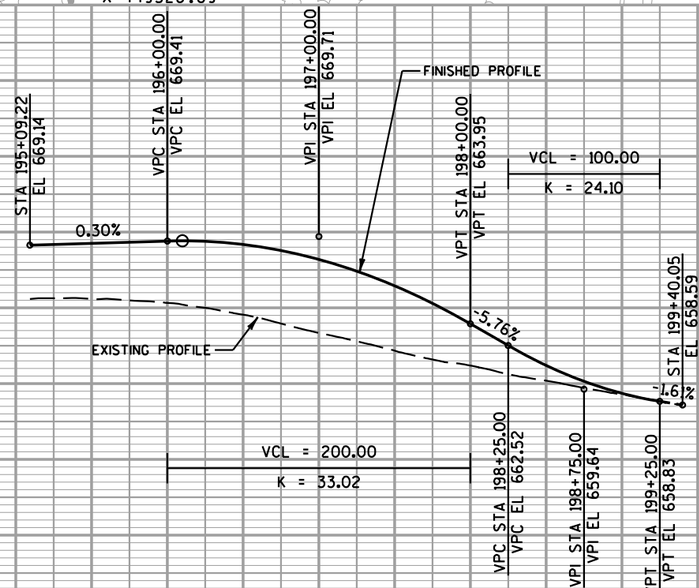
EV RAMP



655.65 654.82
655.50 654.95
655.01 654.71
654.47 654.16
653.82 653.82
653.12 653.16
183 184 185

FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED
BY OTHERS

EX RAMP



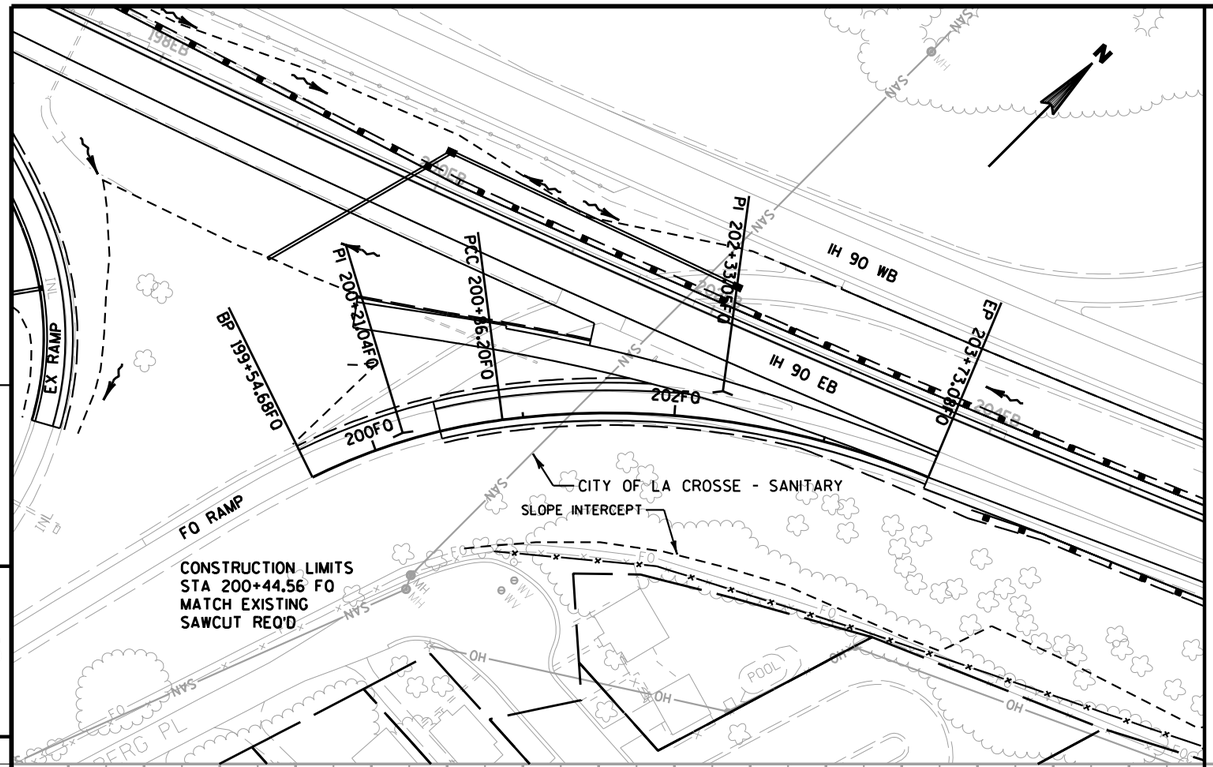
669.59 669.26
669.33 669.41
669.56 669.18
669.34 668.20
662.17 666.45
661.19 663.95
660.20 661.21
659.29 659.36
195 196 197 198 199

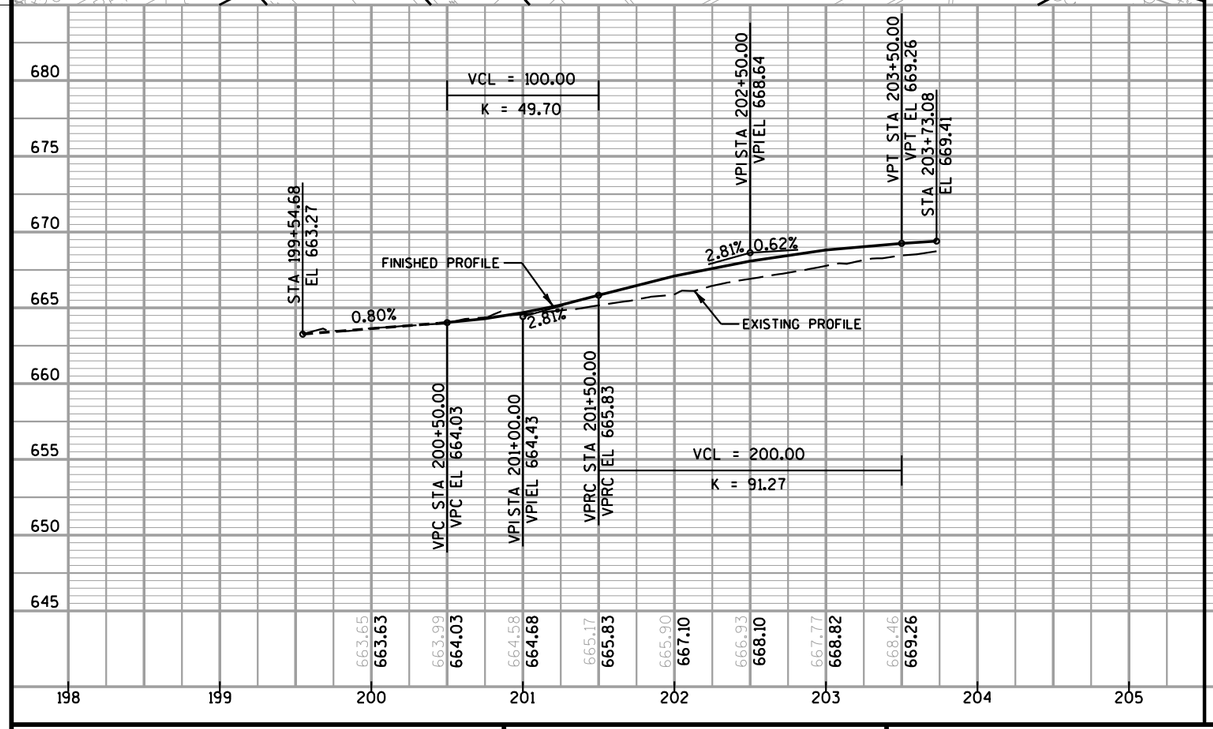
675 670 665 660 655 650 645 640
980 975 970 665 660 655 650 645

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - EV RAMP & EX RAMP	SHEET 610 E

FILE NAME : V:\Trans-EC\410627\DGN-DWG\4_0682_ROSE_GREEN\aa_0682_050144_pptmpevex.dgn PLOT DATE : 7/14/2016 PLOT BY : AYRES-EC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40





CURVE DATA

P.I. 200+21.04 FO
Y 150712.07
X 449698.84
△ = 18°50'20"
D = 14°19'26"
T = 66.36'
L = 131.52'
E = 5.47'
R = 400.00'
P.C. 199+54.68 FO
Y 150649.20
X 449677.61
P.C.C200+86.20 FO

CURVE DATA

P.I. 202+33.05 FO
Y 150881.22
X 449828.63
△ = 30°09'33"
D = 10°30'47"
T = 146.84'
L = 286.88'
E = 19.44'
R = 545.00'
P.C.C200+86.20 FO
P.T. 203+73.08 FO
Y 150937.04
X 449964.45

FOR INFORMATION ONLY
PREVIOUSLY CONSTRUCTED
BY OTHERS

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	PLAN & PROFILE - ROSE ST ON RAMP TO IH 90 EB (FQ RAMP)	SHEET 611	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-01	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-08	CONCRETE BASE TYPE 10
09C12-07A	CONCRETE BASE TYPE 13
09C12-07B	CONCRETE BASE TYPE 13
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-02	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-14C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-14E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E02-04	FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-07B	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-07D	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-07E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H09-01	COMMUNICATION VAULT
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C16-02B	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-03A	CONCRETE PAVEMENT JOINTING
13C18-03B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-03C	CONCRETE PAVEMENT JOINT TIES
13C18-03D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
14A02-01	TREE PLANTING DETAIL
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

Standard Detail Drawing List

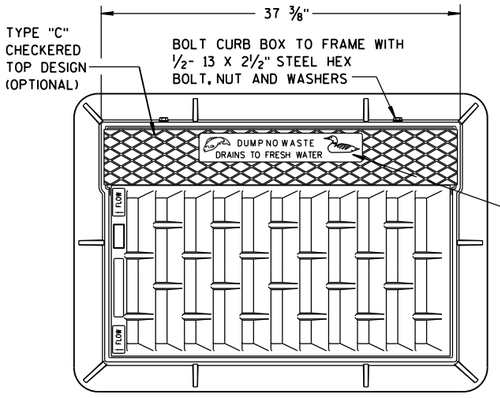
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B22-06A	CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)
14B22-06B	CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-02	FLEXIBLE DELINEATOR POST
15A06-02	DELINEATOR LAYOUT
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C11-06	FLEXIBLE TUBULAR MARKER POST
15C15-04	36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE
15C19-03B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C24-03	36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C25-03	42" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C29-03C	URBAN BICYCLE LANE MARKING
15C29-03D	URBAN BICYCLE LANE MARKING
15C29-03E	PAVEMENT MARKING FOR BIKE LANES
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

6

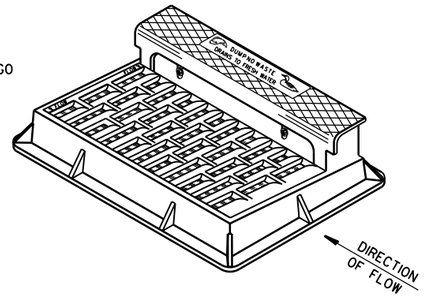
Standard Detail Drawing List

15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D35-02A	RAMP GATE HARD WIRED
15D35-02B	RAMP GATE HARD WIRED
15D35-02C	RAMP GATE HARD WIRED
15D35-02D	RAMP GATE HARD WIRED
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

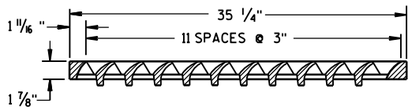
6

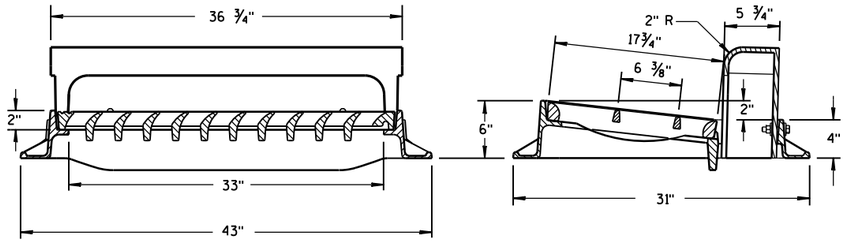


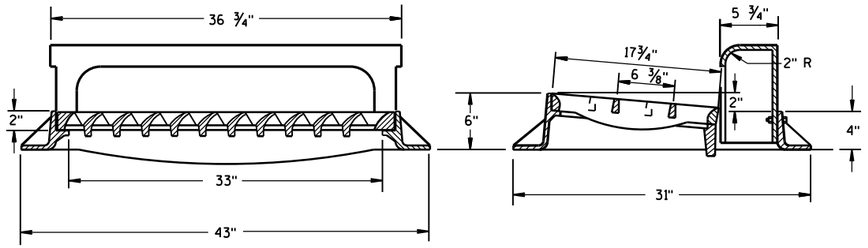
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

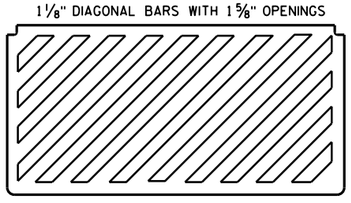






TYPE "H"

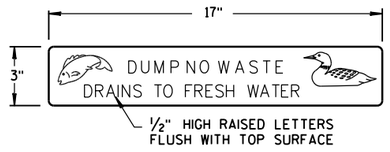
NOTE: EITHER CASTING IS ACCEPTABLE



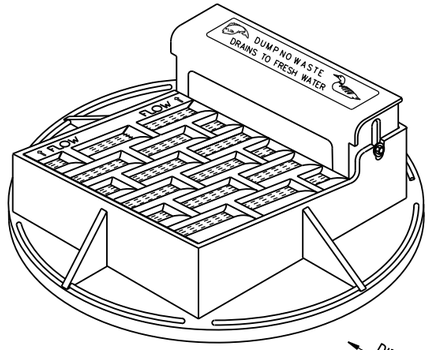
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

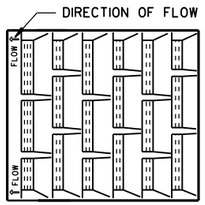
NOTE:
GRATE IS REVERSIBLE.

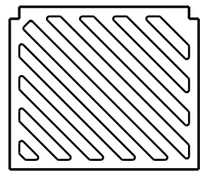
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

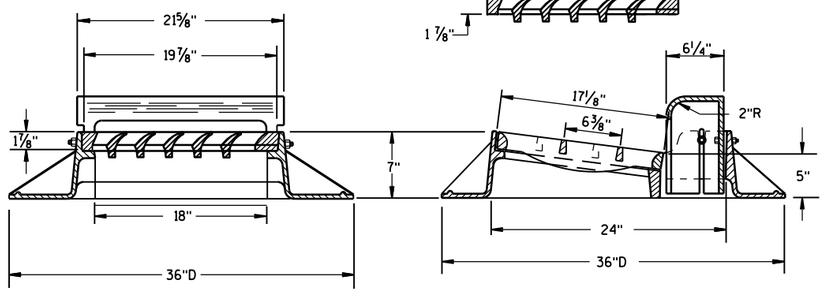




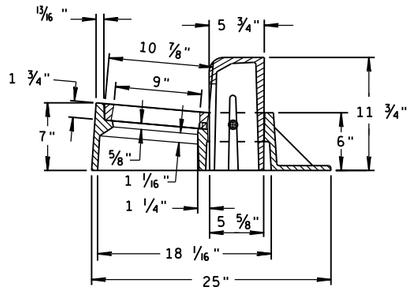
SPECIAL GRATE FOR TYPE "A" COVER

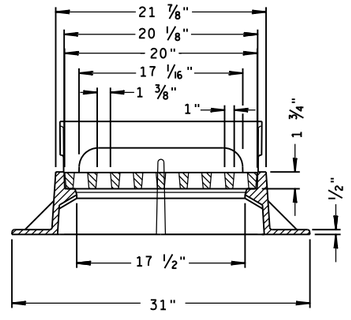
(MEASURES 19 3/4" X 17" X 1 7/8")

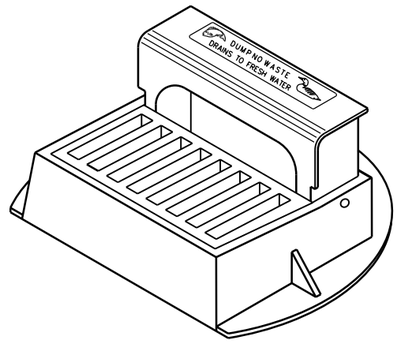
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

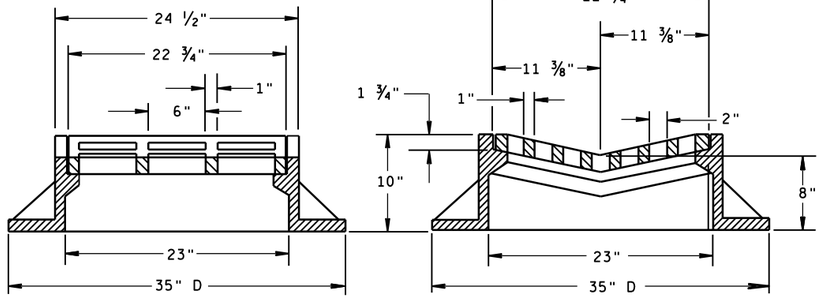
INLET COVERS
TYPE A, H, A-S, H-S & Z

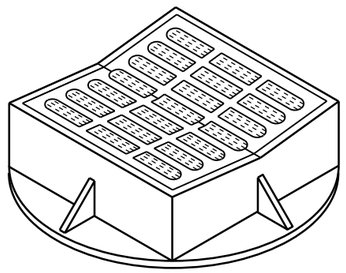
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

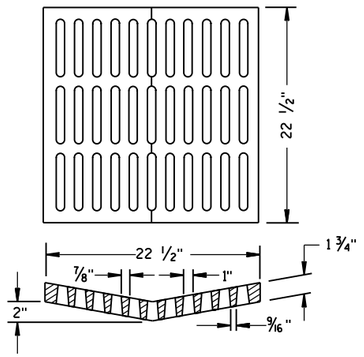
6

S.D.D. 8 A 5-19a



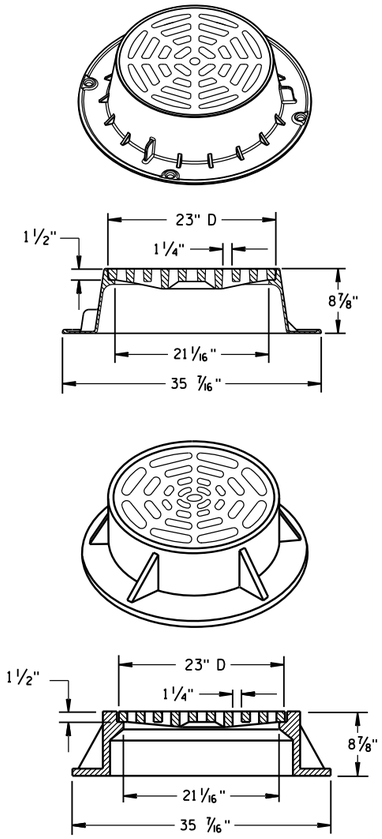


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

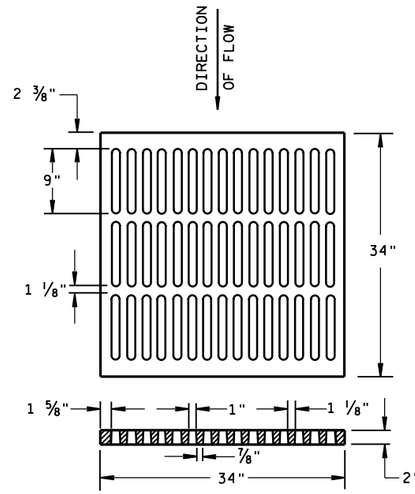
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

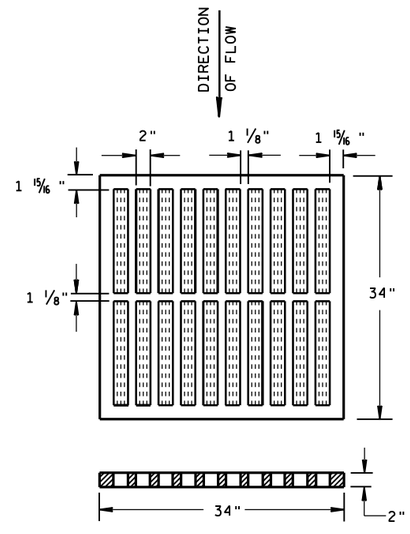
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



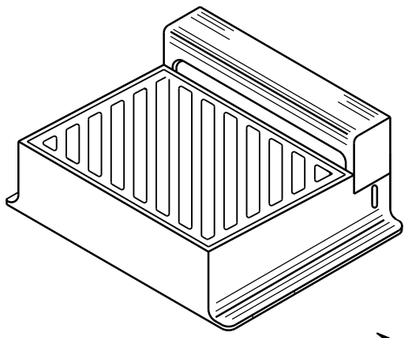
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

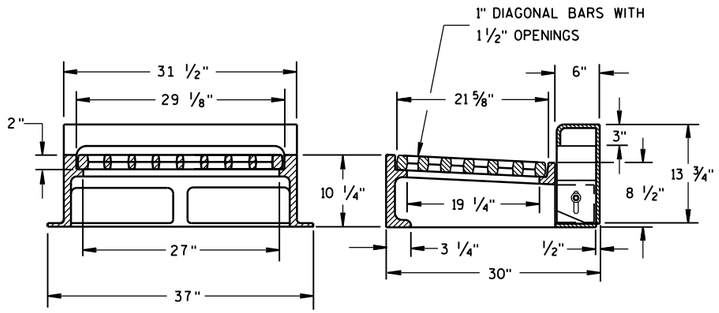


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

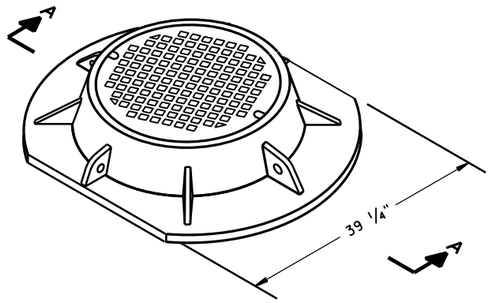
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

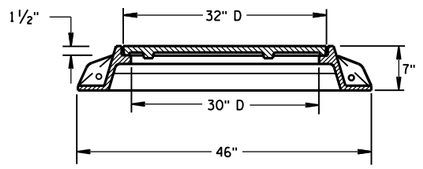
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

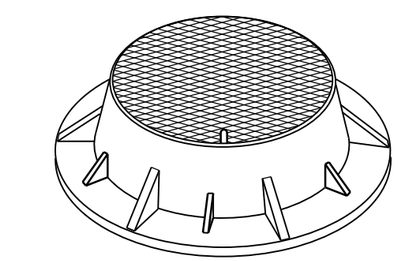
6

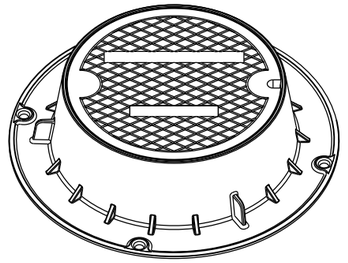
S.D.D. 8 A 5-19b

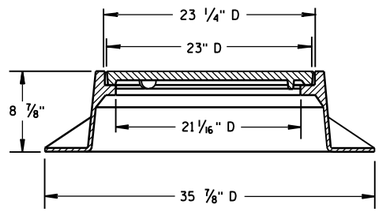


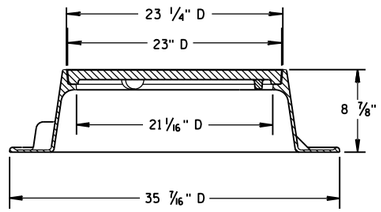


SECTION A-A
TYPE "K"









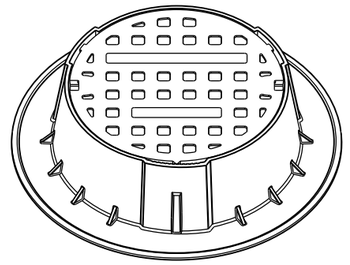
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

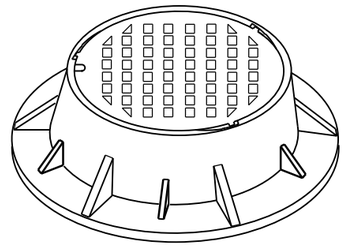
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

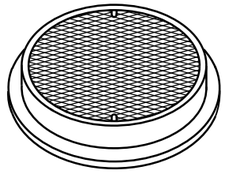
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

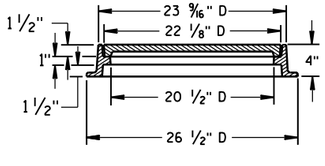
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



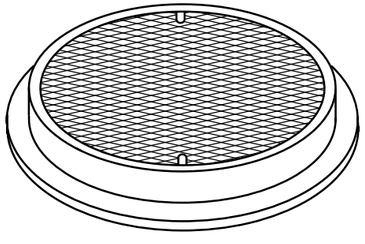


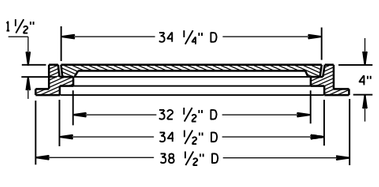
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



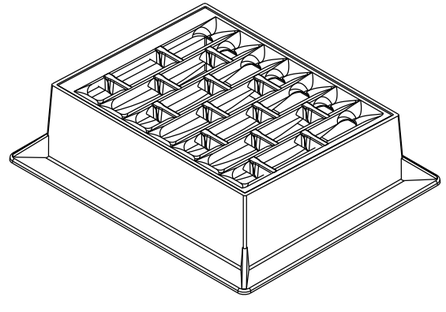


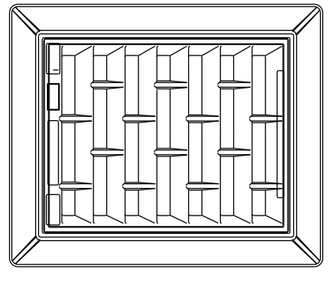
TYPE "L"

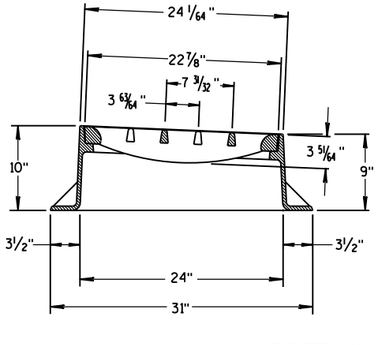


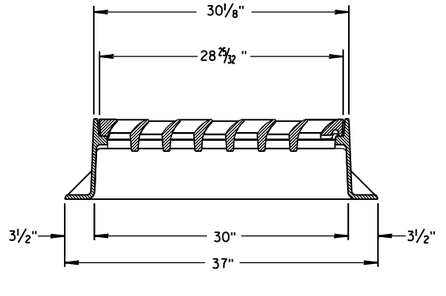


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

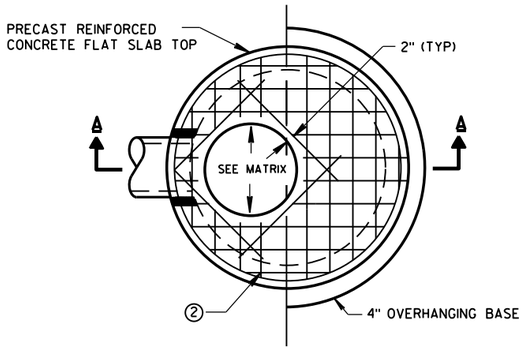
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

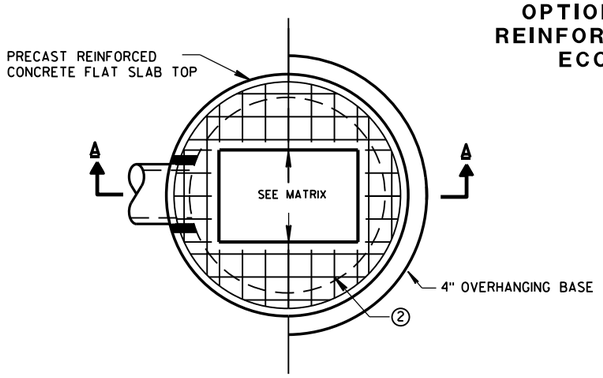
S.D.D. 8 A 5-19d

6

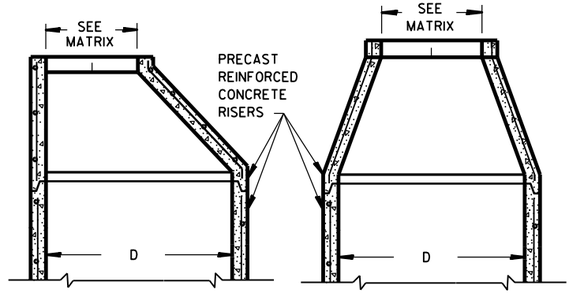
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

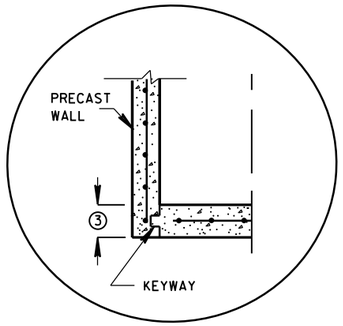


PLAN VIEW RECTANGULAR OPENING

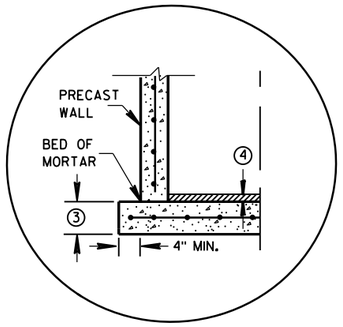


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

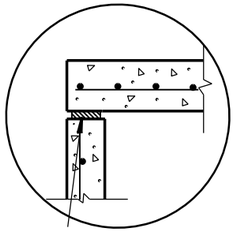


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



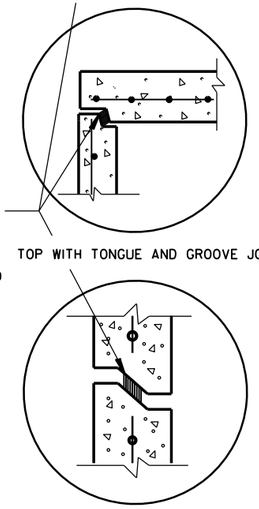
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

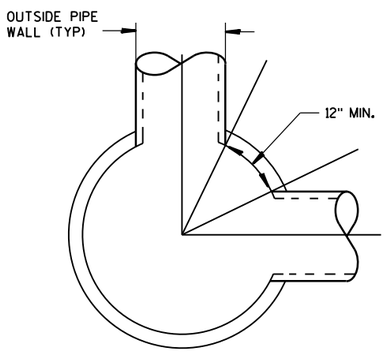
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



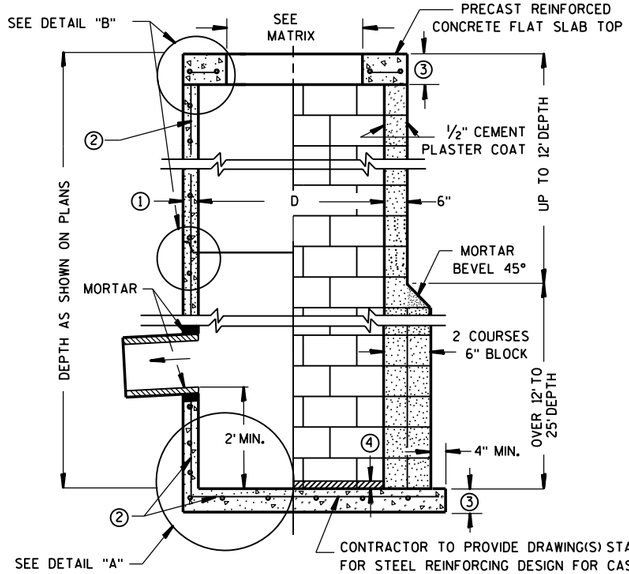
TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

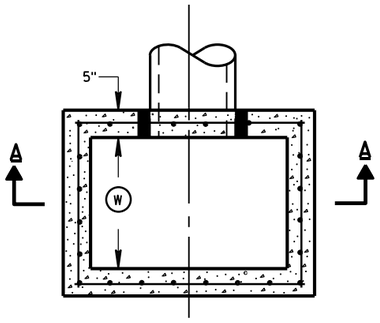
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

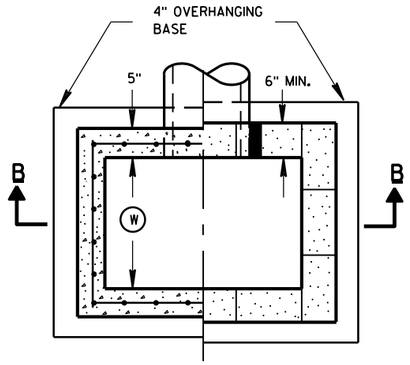
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

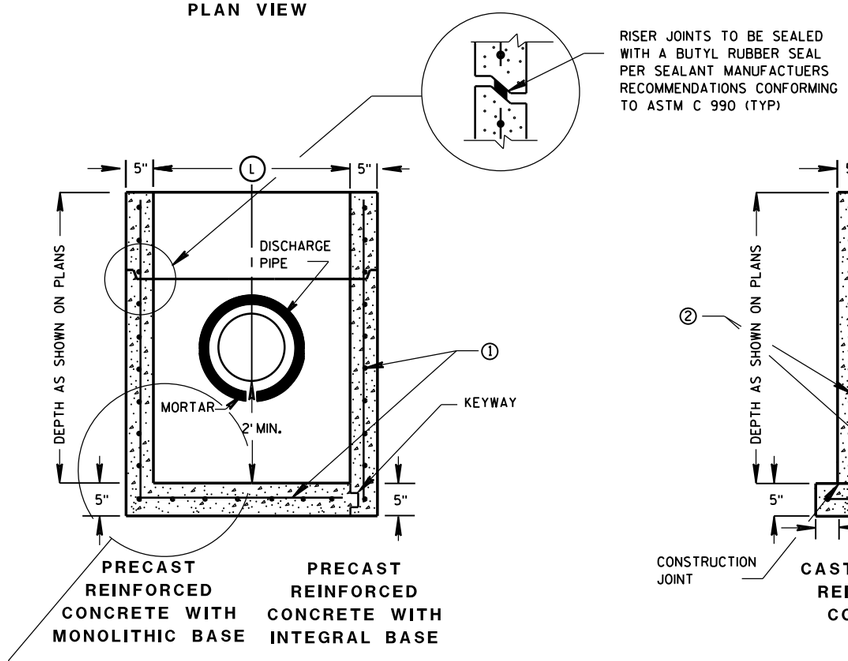
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER



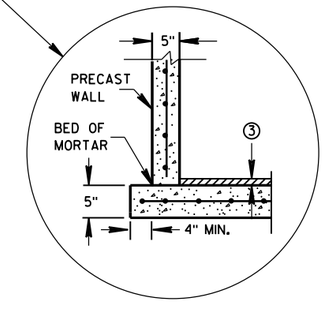
PLAN VIEW



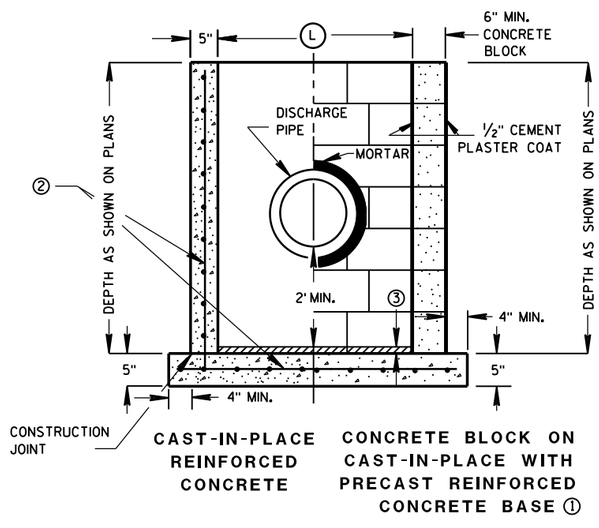
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

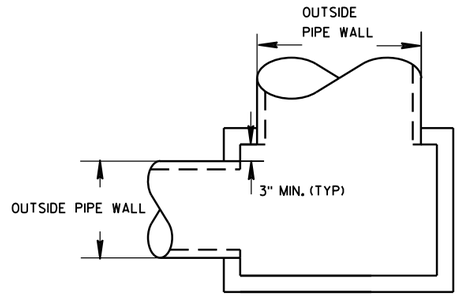
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

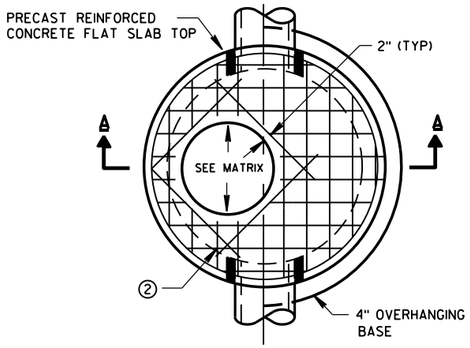
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

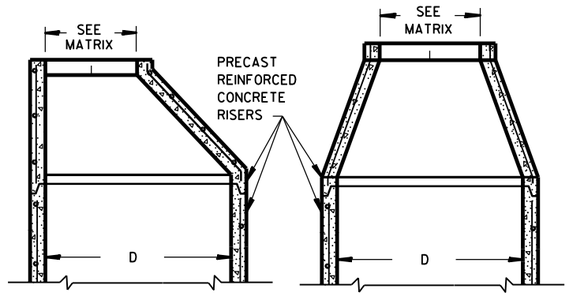
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 A 9-1

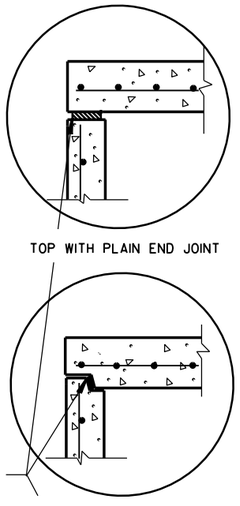


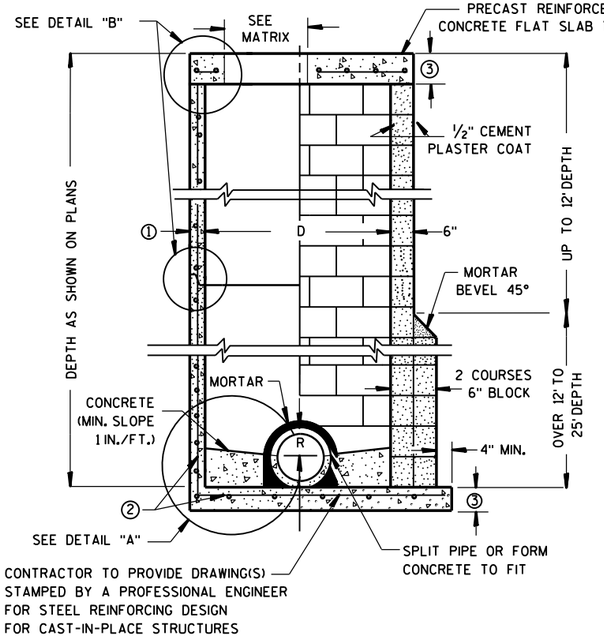
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

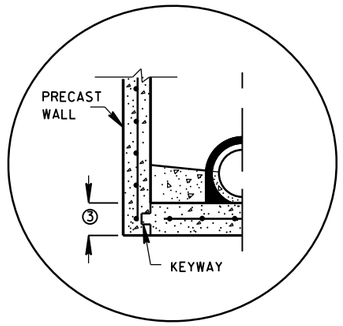
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



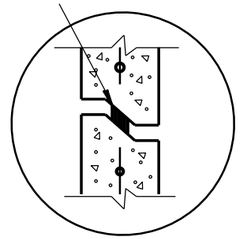


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

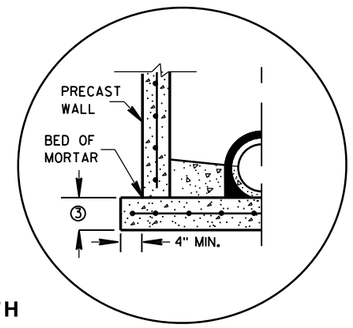


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



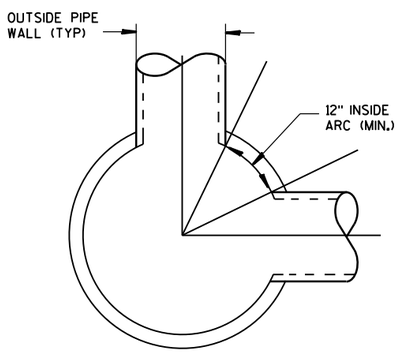
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

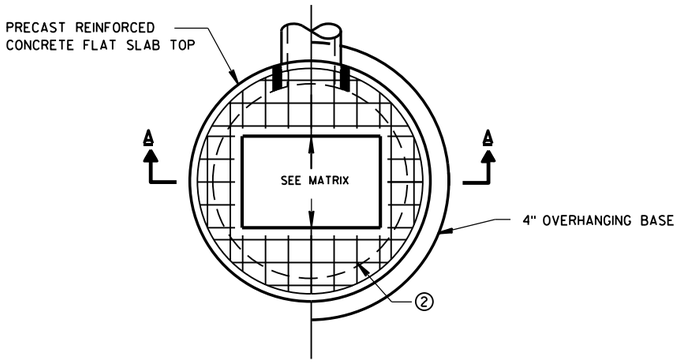
620

6

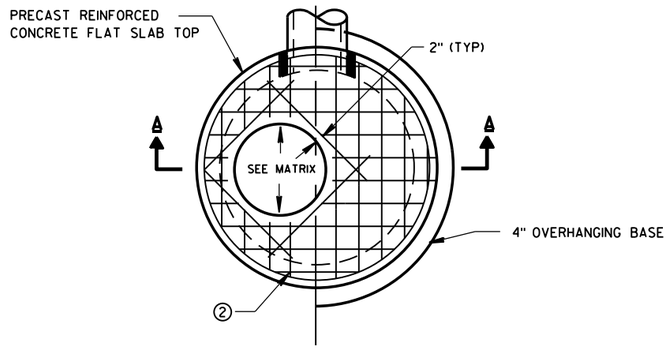
S.D.D. 8 B 9-1

6

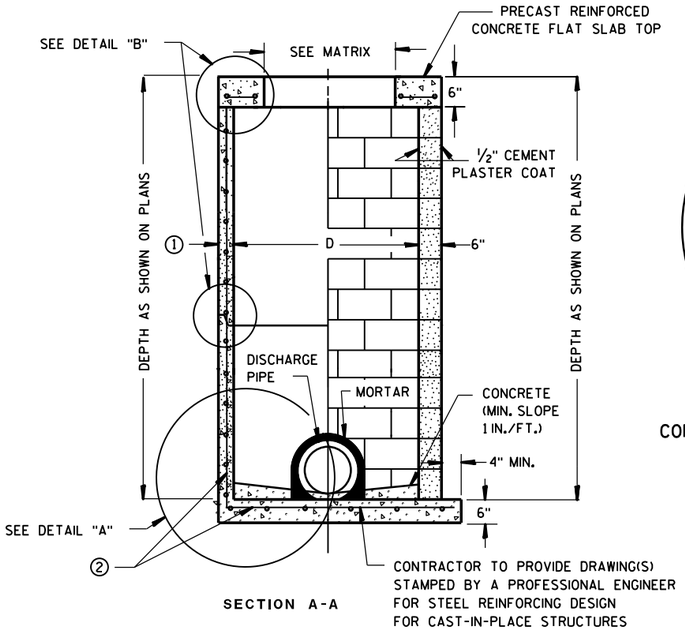
S.D.D. 8 B 9-1



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

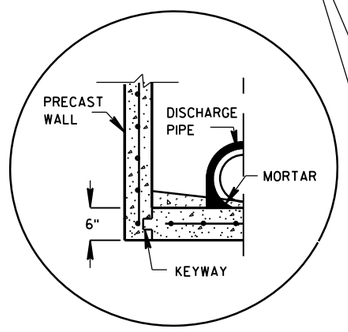


SECTION A-A

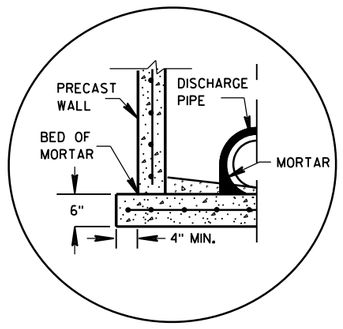
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

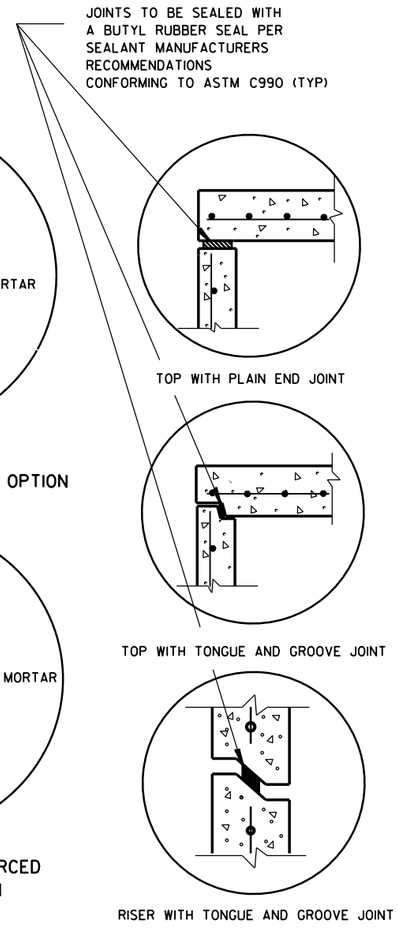


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

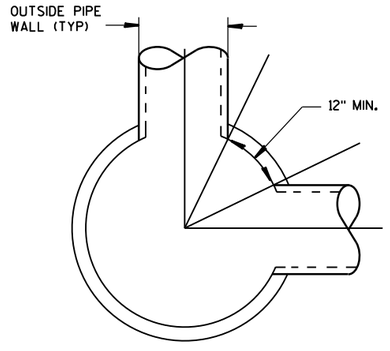
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

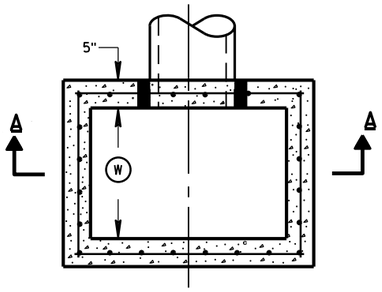
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

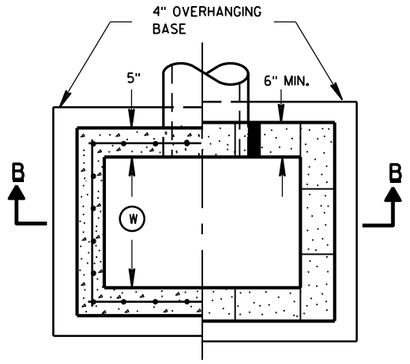
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

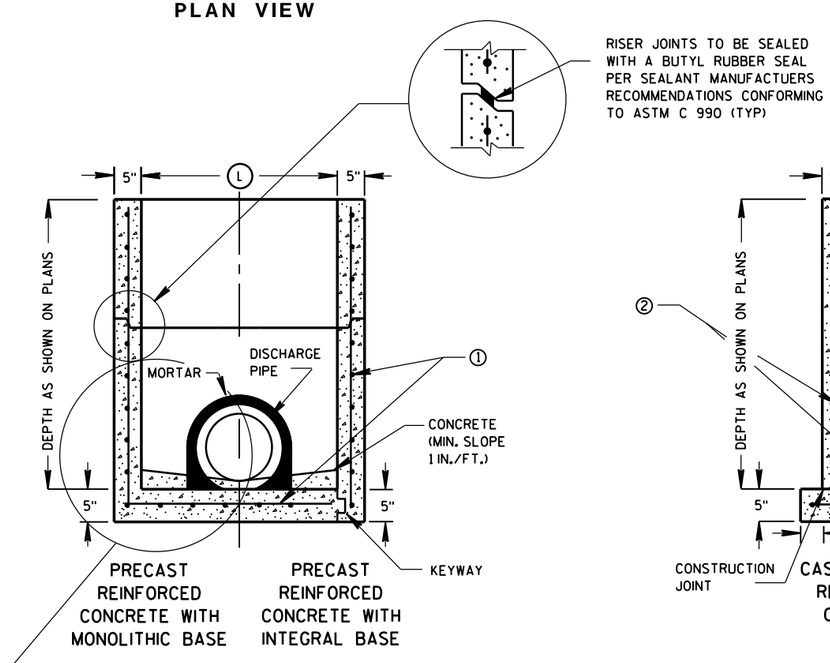
S.D.D. 8 C 6-1



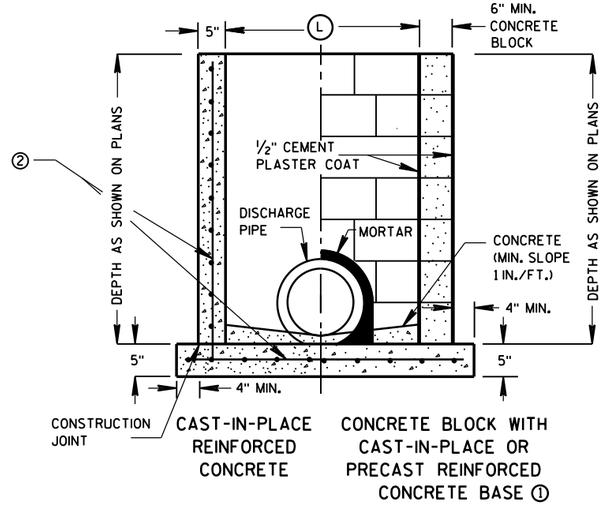
PLAN VIEW



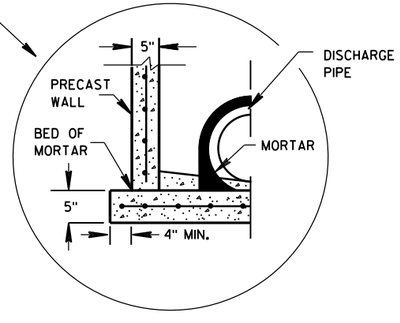
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

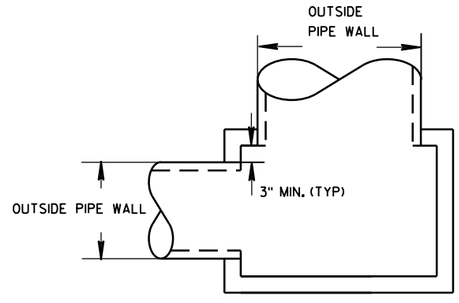
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

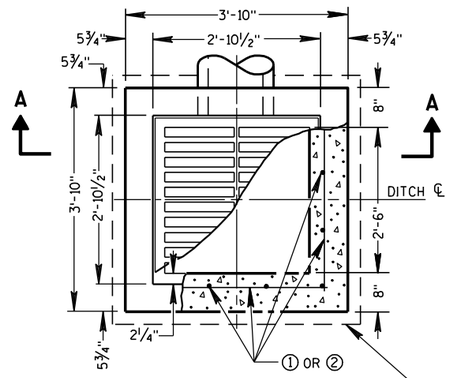
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

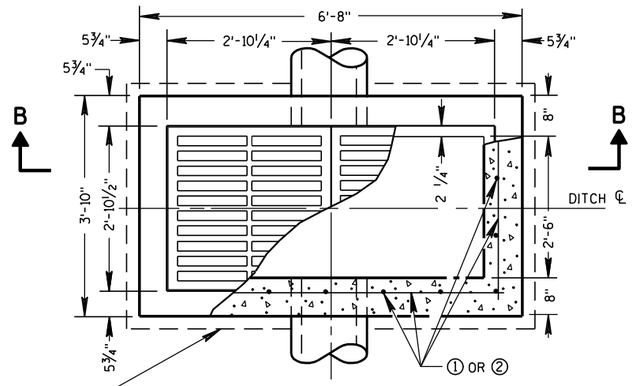
APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

6
S.D.D. 8 C 7-1

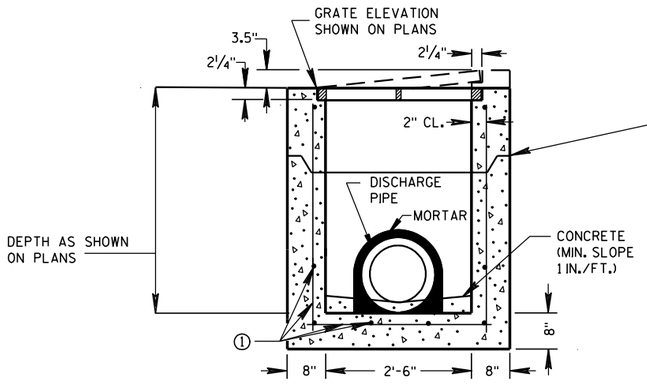


PLAN VIEW

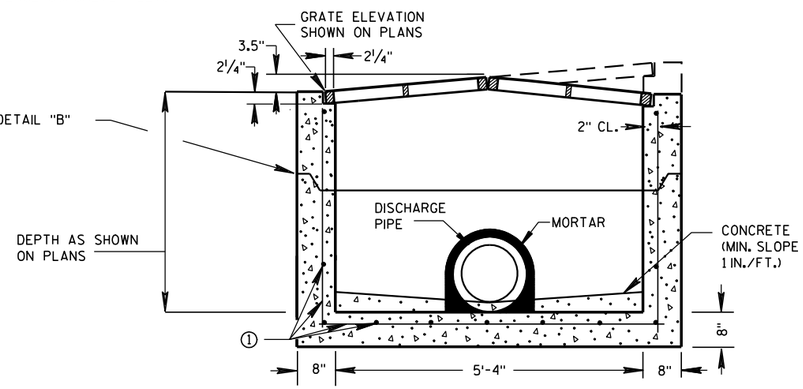


PLAN VIEW

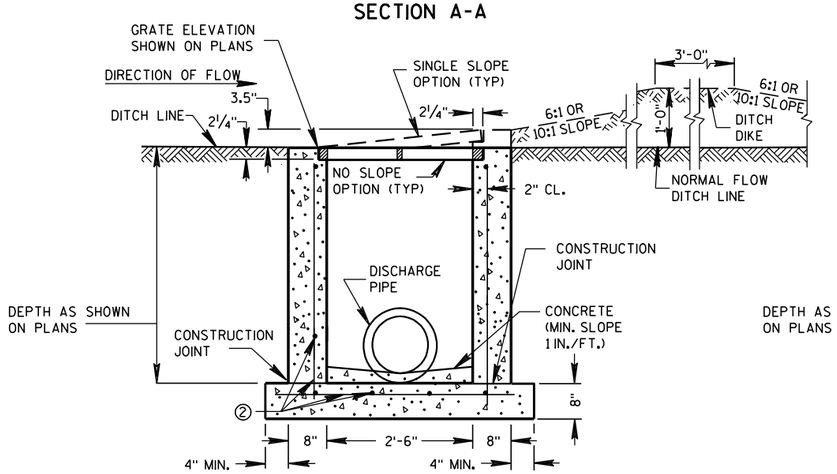
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



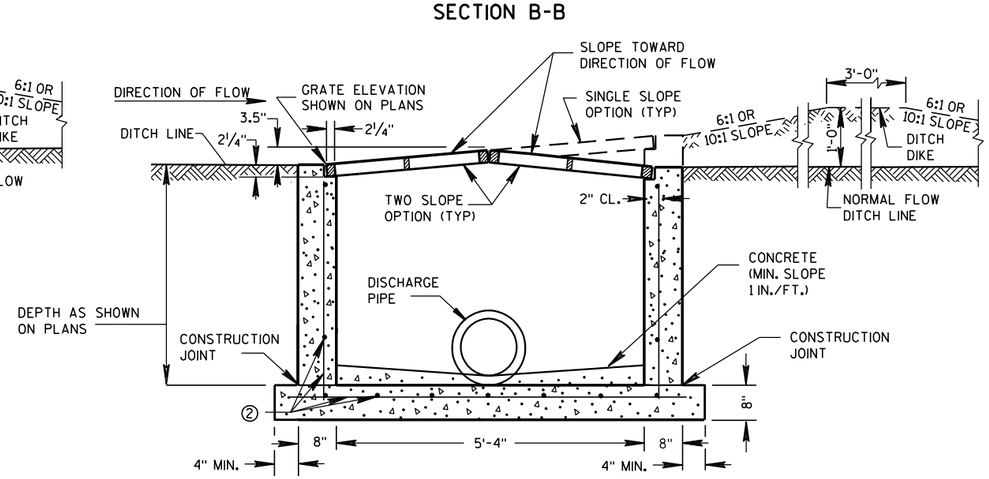
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

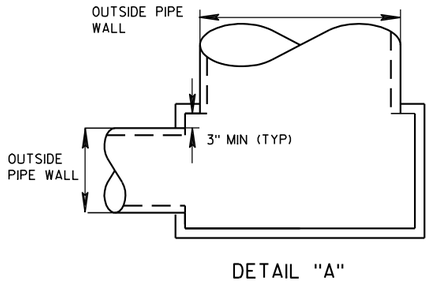
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

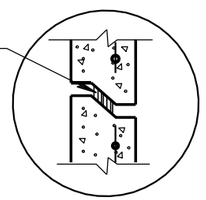
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 GRATE

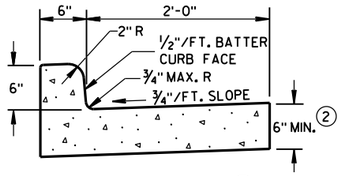
INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

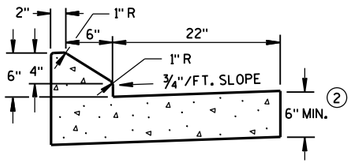
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

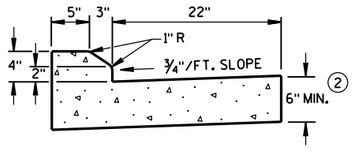
6
S.D.D. 8 C 8-1



TYPES A & D ①

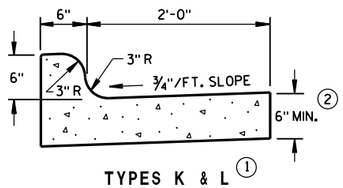


6" SLOPED CURB TYPES G & J ①

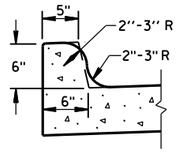


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

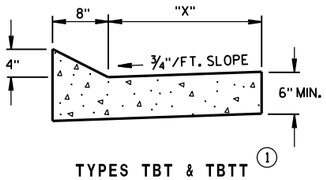


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

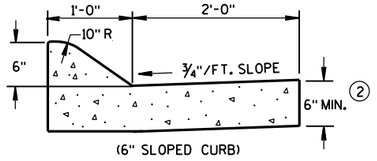
CONCRETE CURB & GUTTER 30"



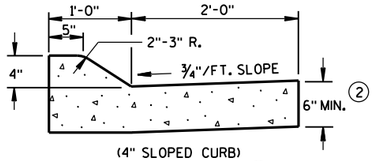
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

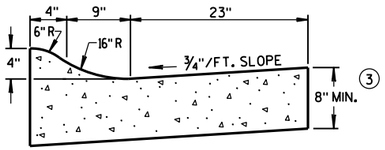


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

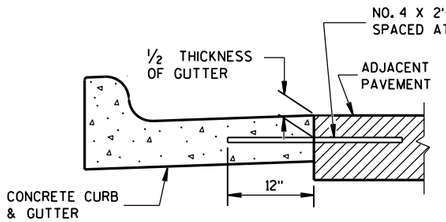
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

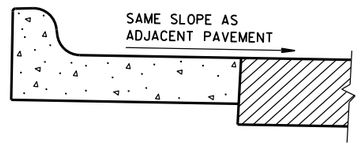
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

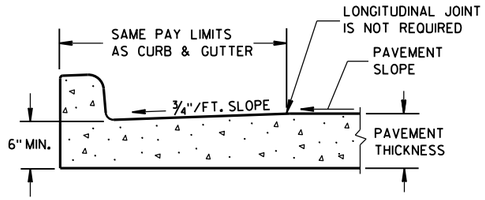
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



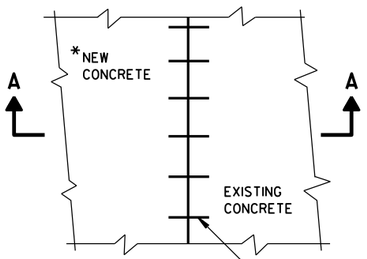
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)

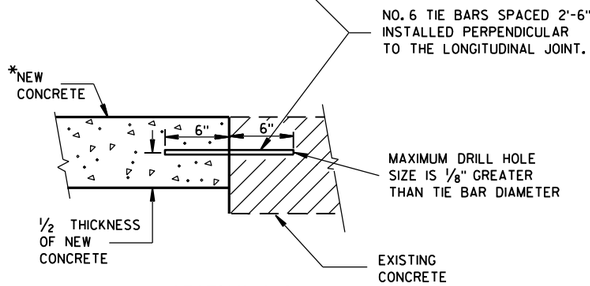


PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



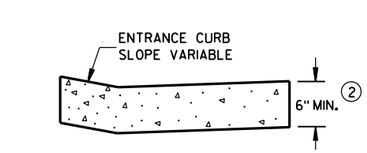
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

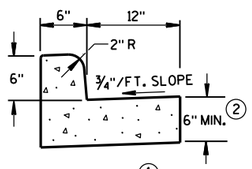


SECTION A-A

TIE BARS DRILLED
INTO EXISTING PAVEMENT

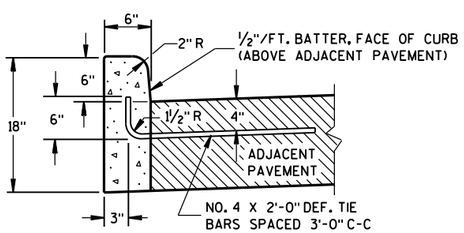


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

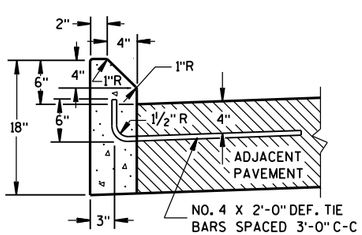


① TYPES A & D

CONCRETE CURB & GUTTER 18"

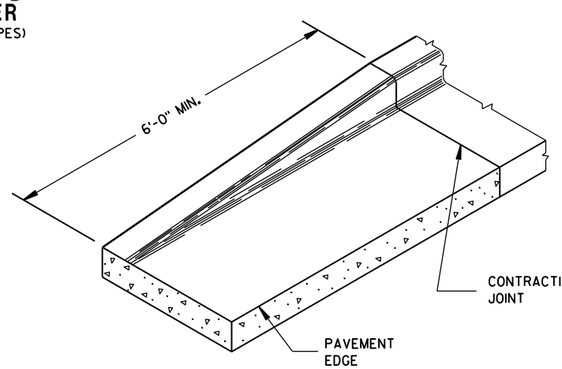


① TYPES A & D



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

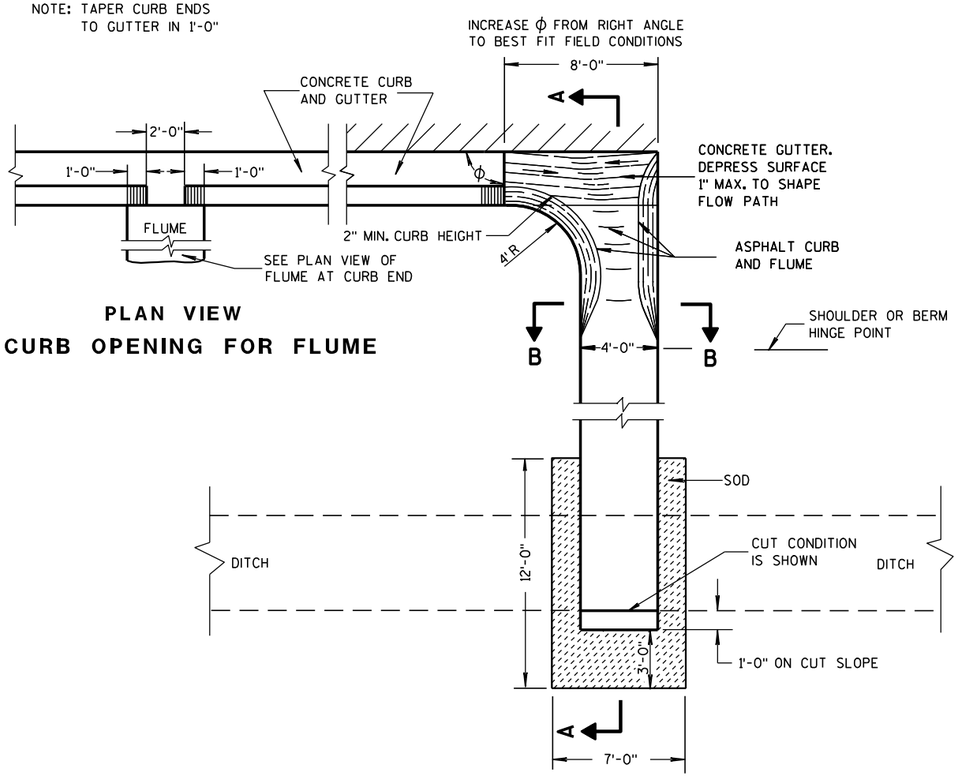
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

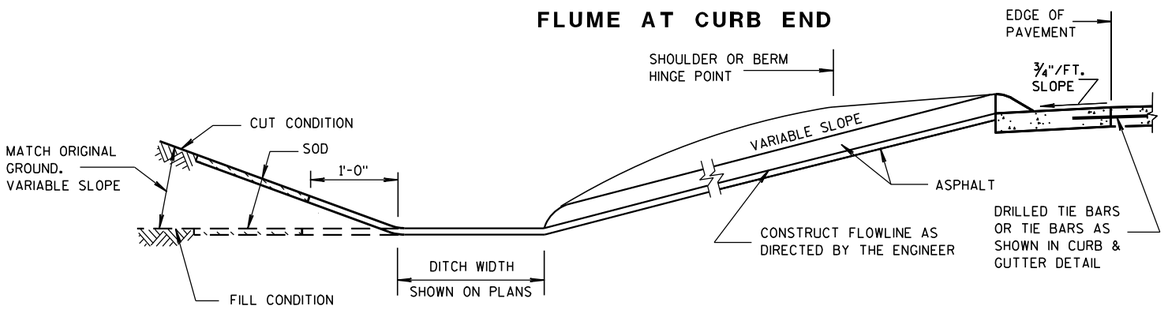
S.D.D. 8 D 1-18

ASPHALTIC FLUME

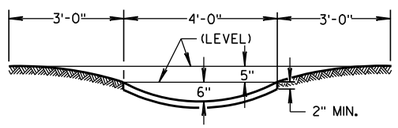


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

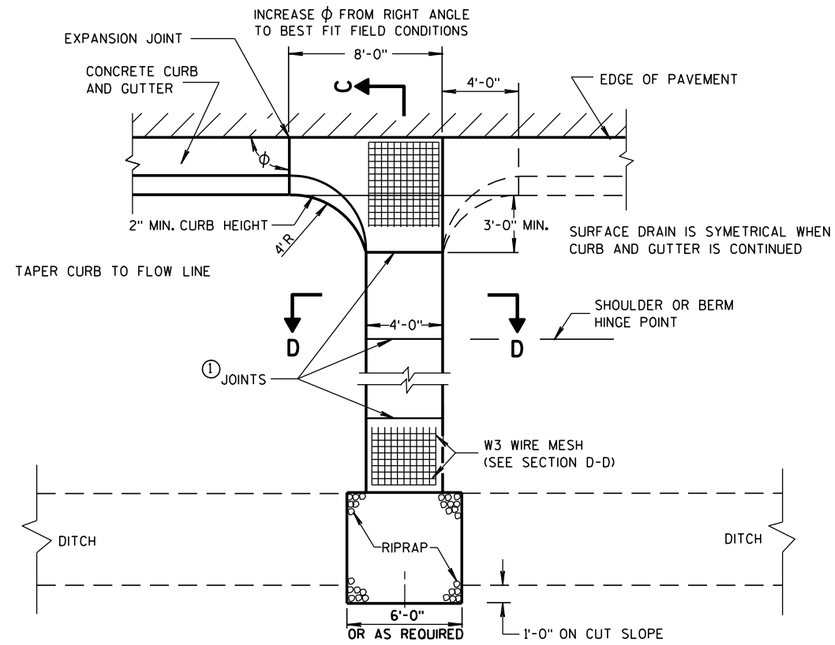
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

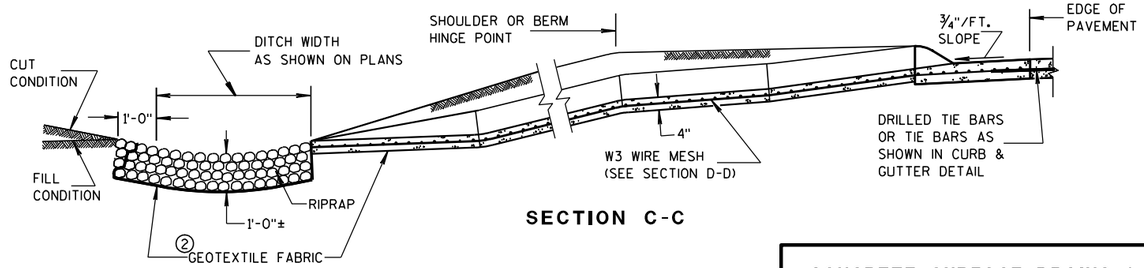
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

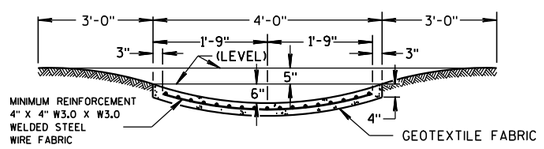
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

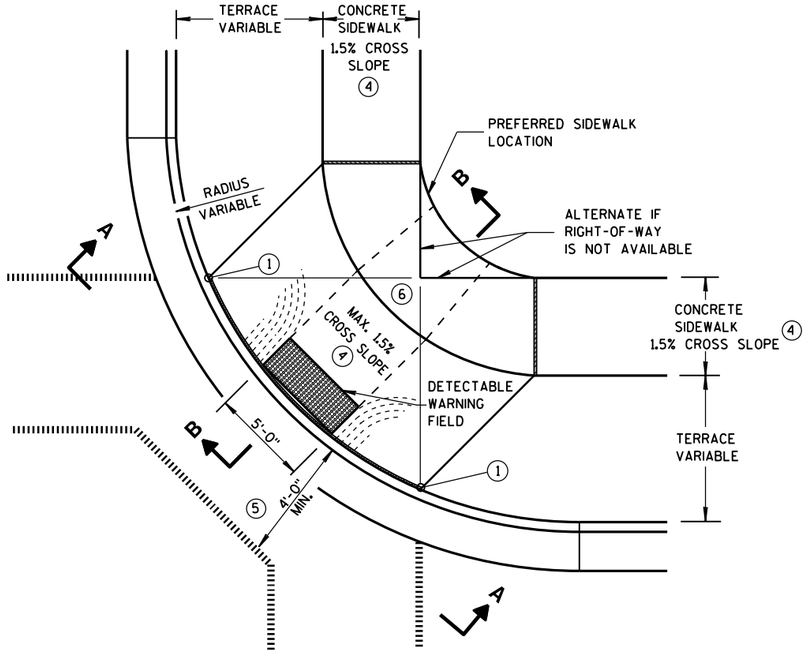
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
625 MENT
FHWA

6

S.D.D. 8 D 4-5

6

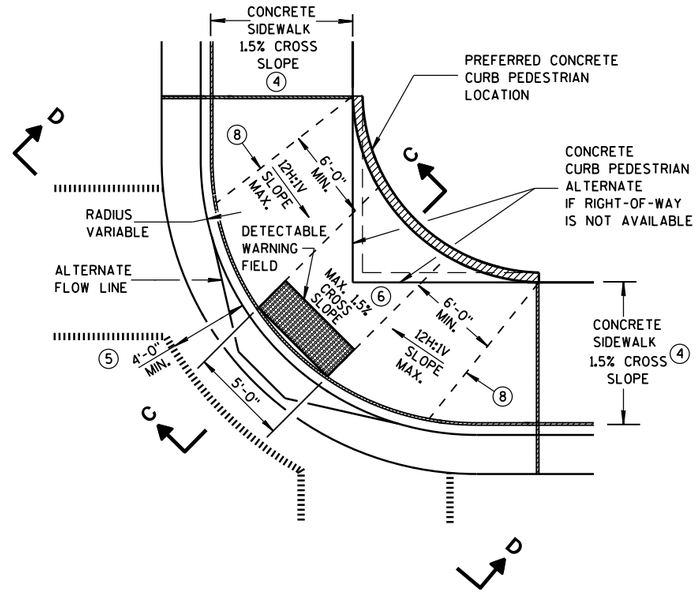
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

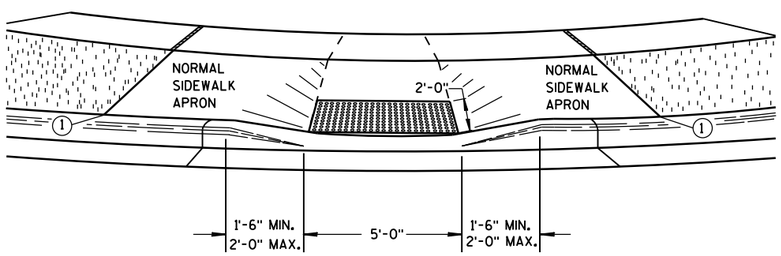
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

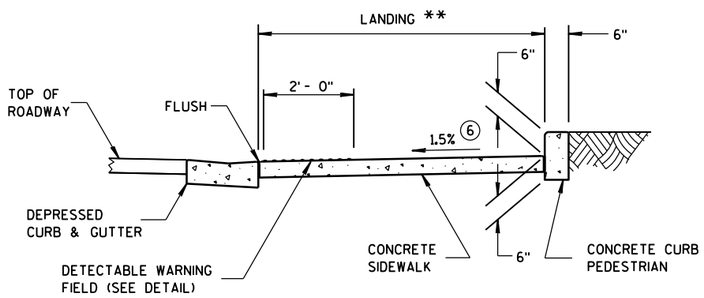
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A-A

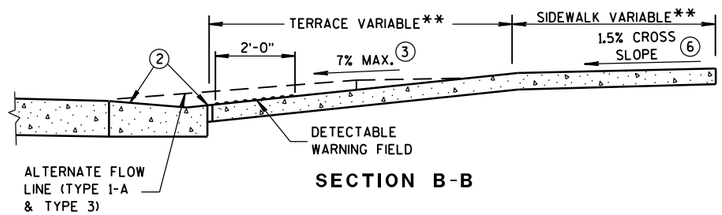
** WIDTH SHOWN ELSEWHERE IN THE PLANS



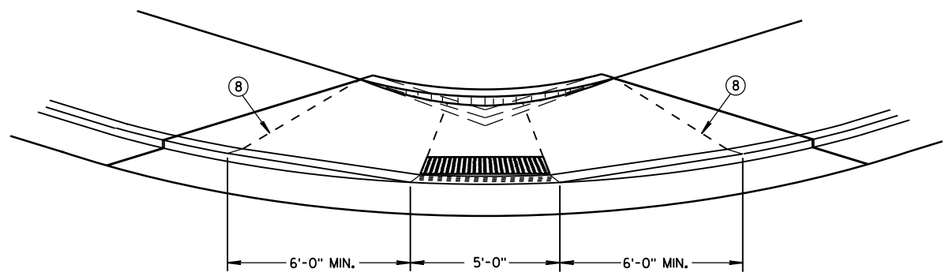
SECTION C-C

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



SECTION B-B



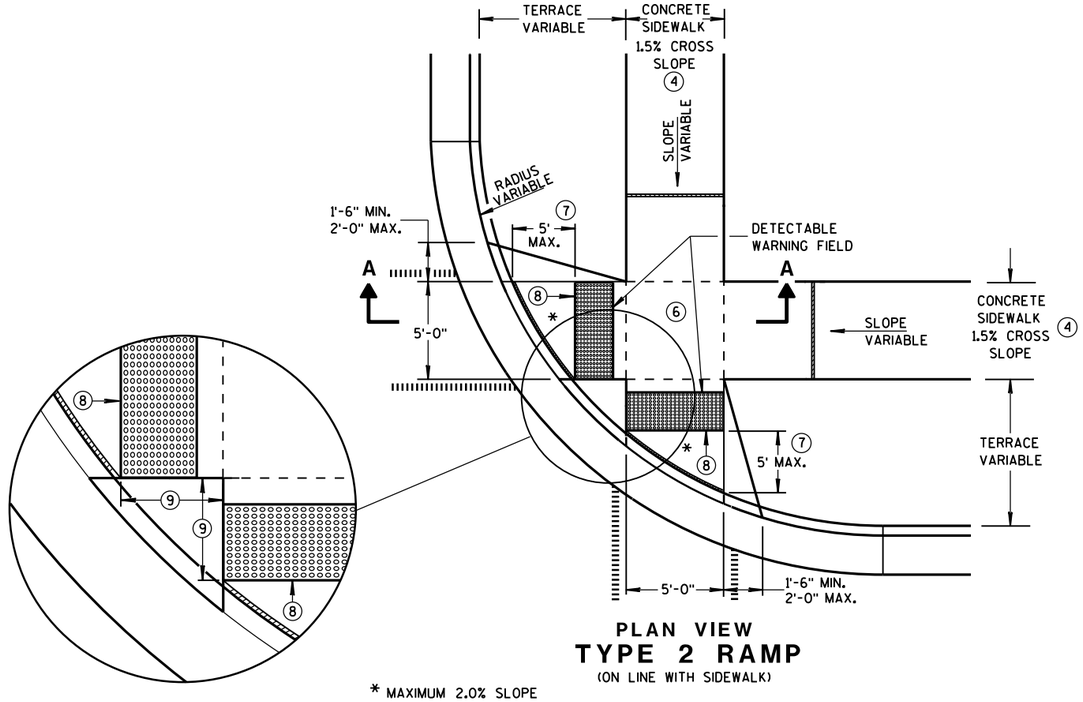
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

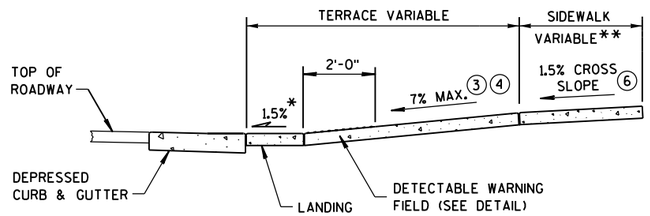
6

S.D.D. 8 D 5-16a



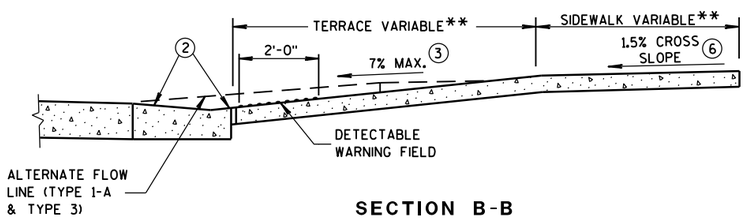
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

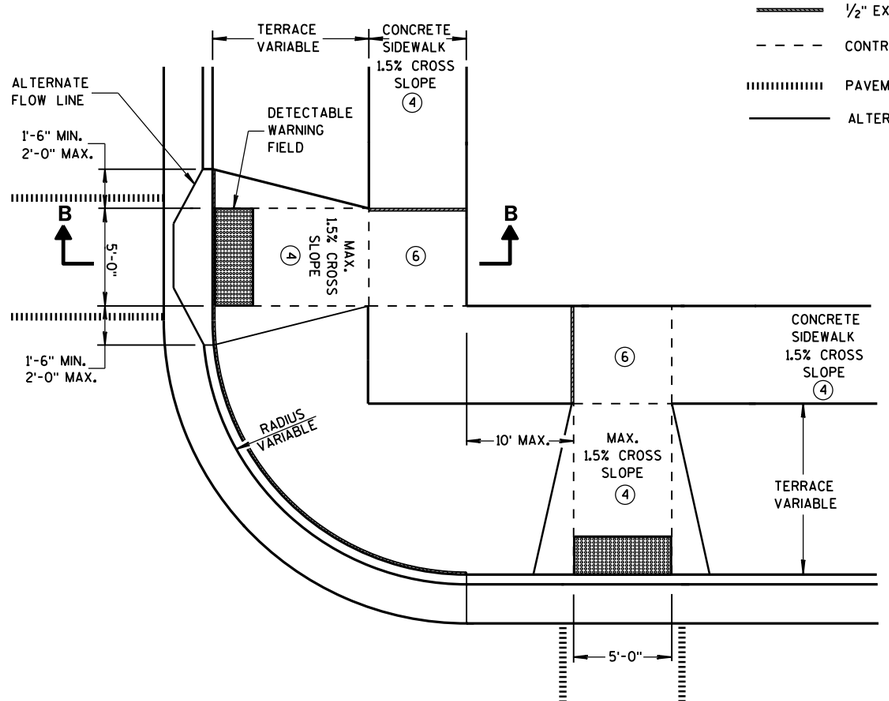
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. 2" MINIMUM CURB HEIGHT.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



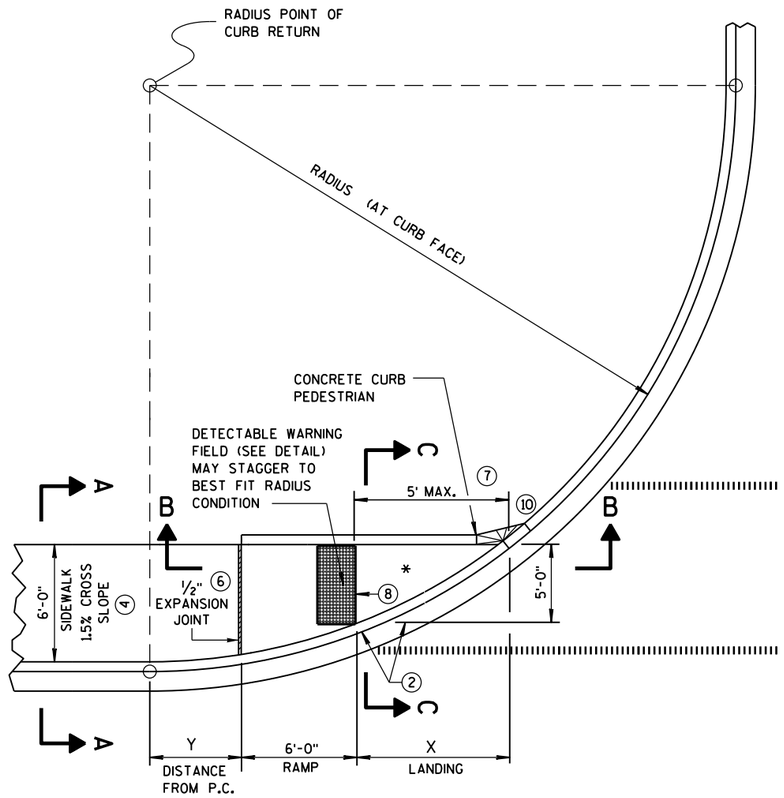
PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

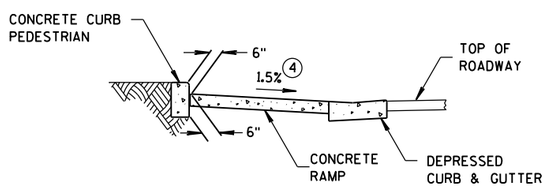
S.D.D. 8 D 5-16b



CURB RAMP TYPE 4A
PLAN VIEW

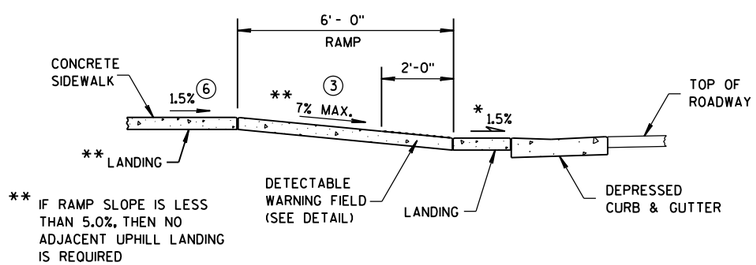
RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4A

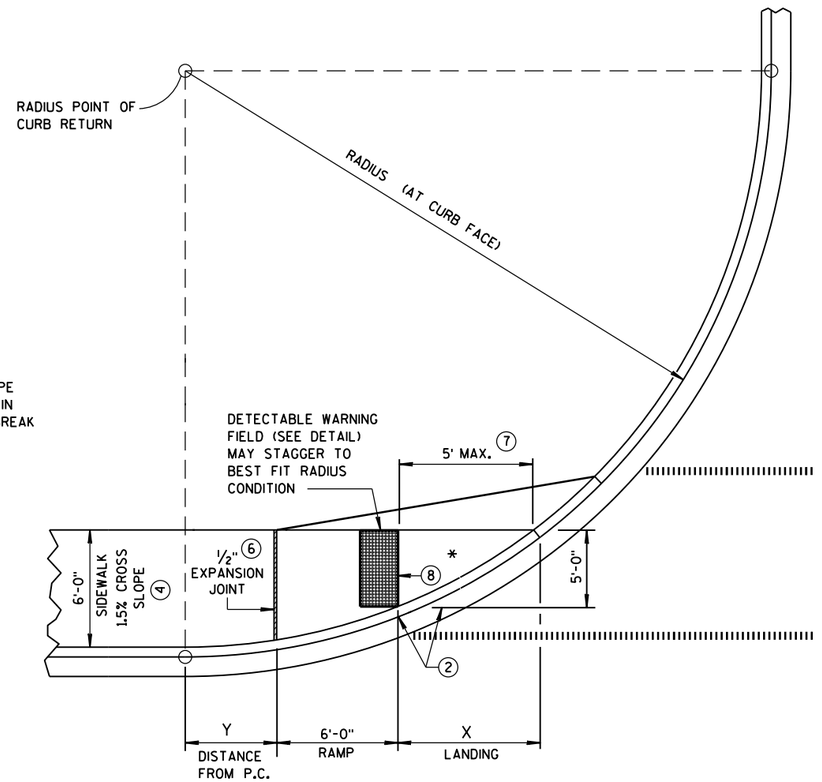
SECTION A-A FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

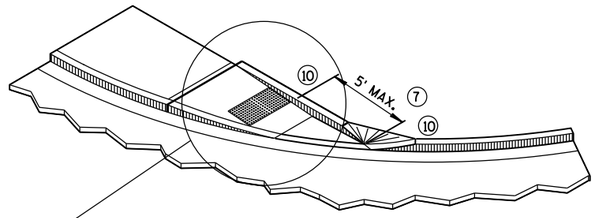
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

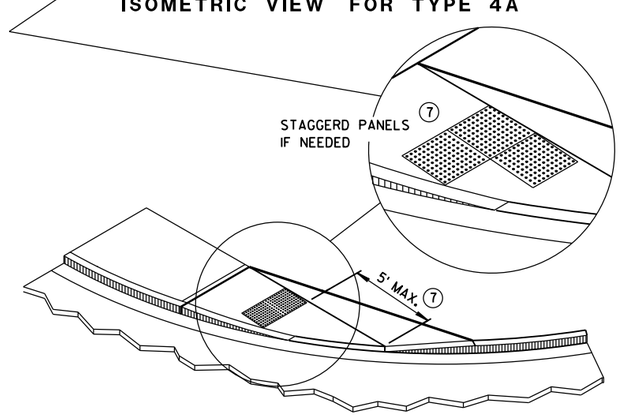
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

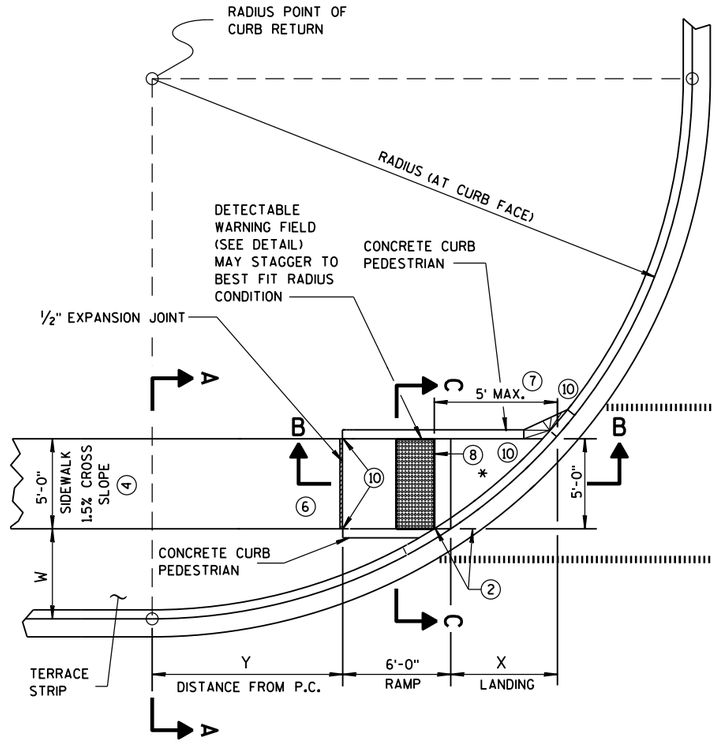
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

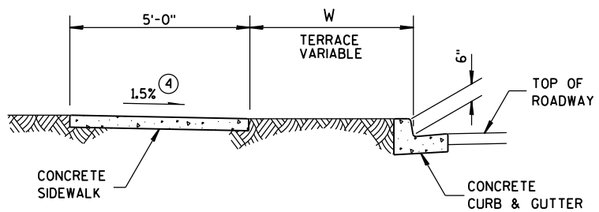
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

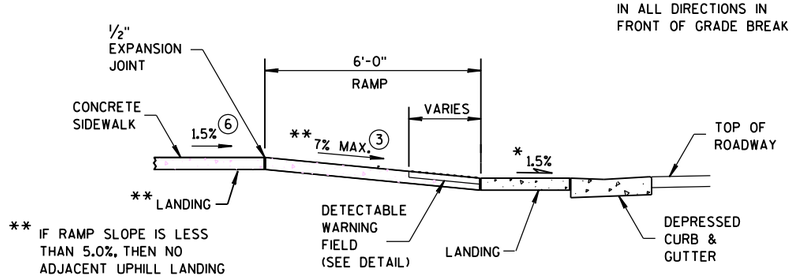
S.D.D. 8 D 5-16c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

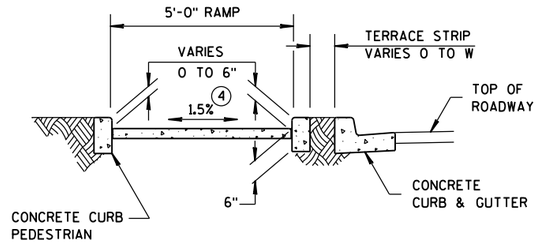
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

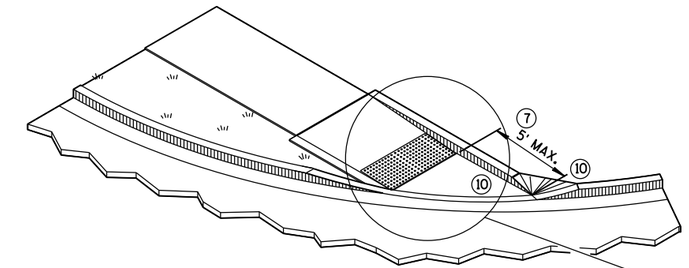
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

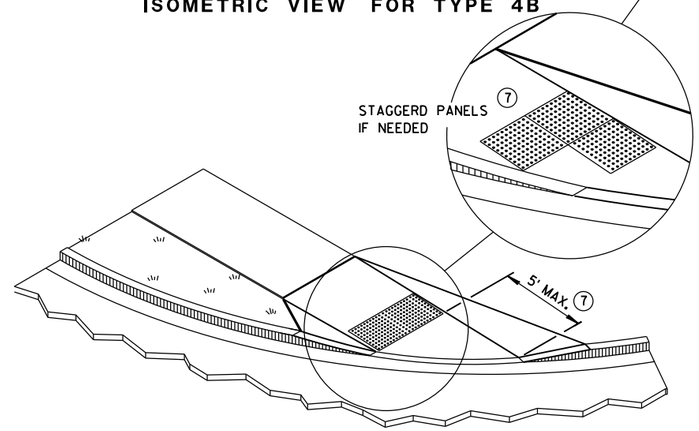
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

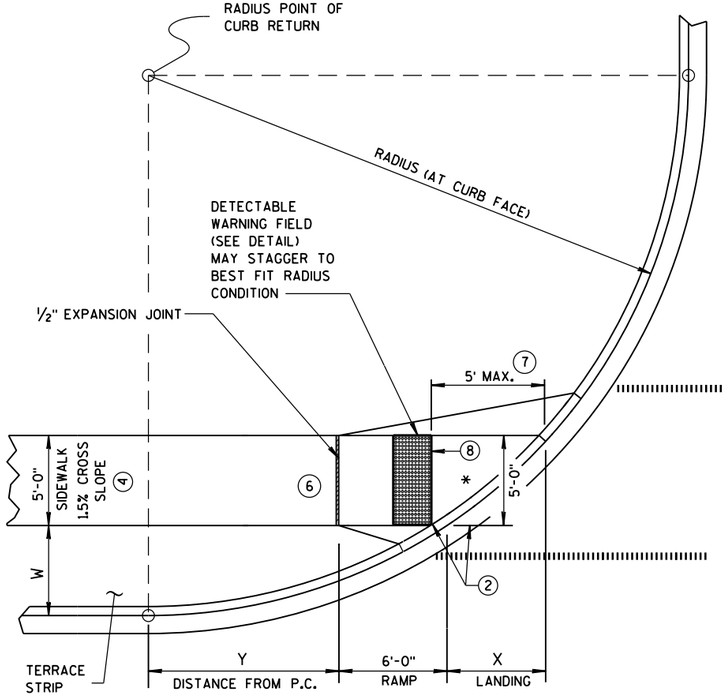
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

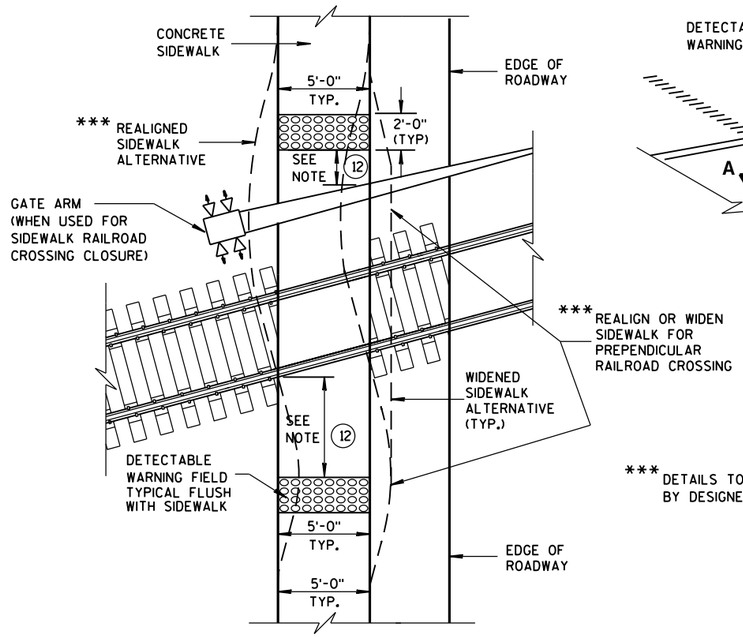
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-16d

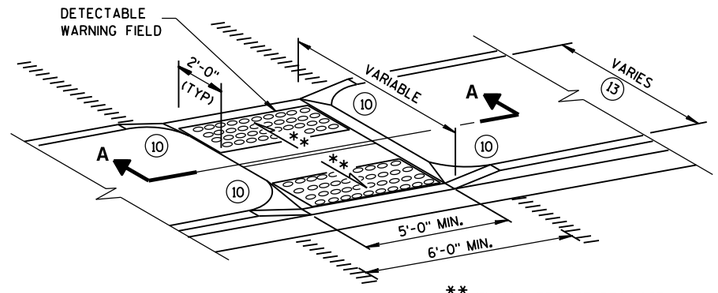
6

S.D.D. 8 D 5-16d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

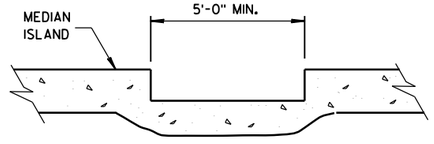
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

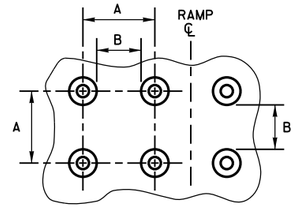
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



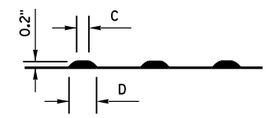
SECTION A-A



PLAN VIEW

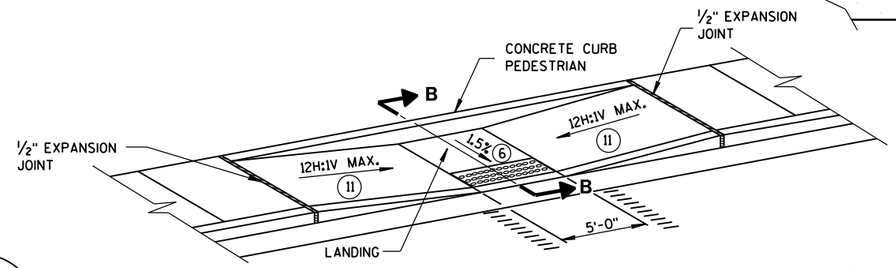
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

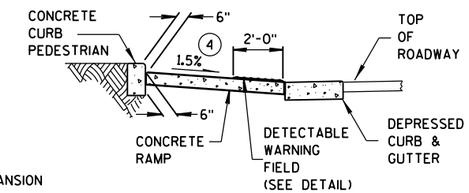


ELEVATION VIEW

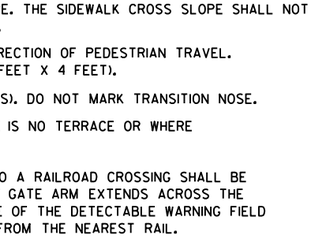
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



MID-BLOCK CROSSING
TYPE 7A



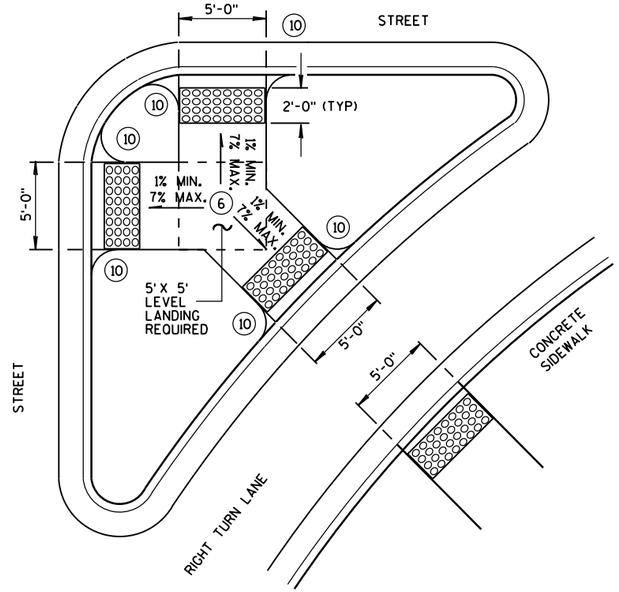
SECTION B-B



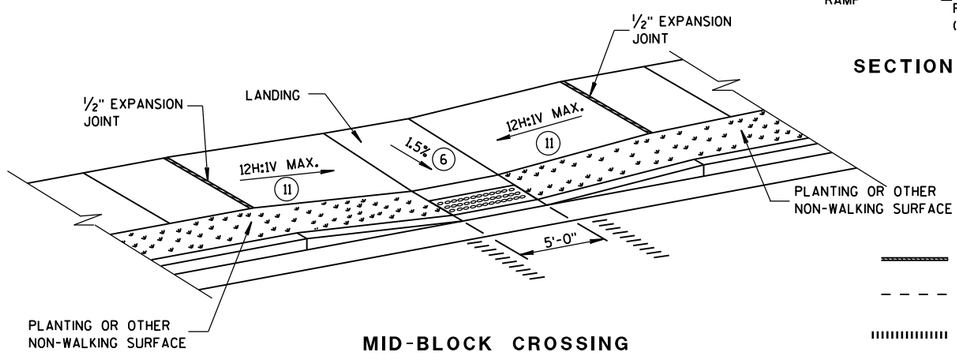
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

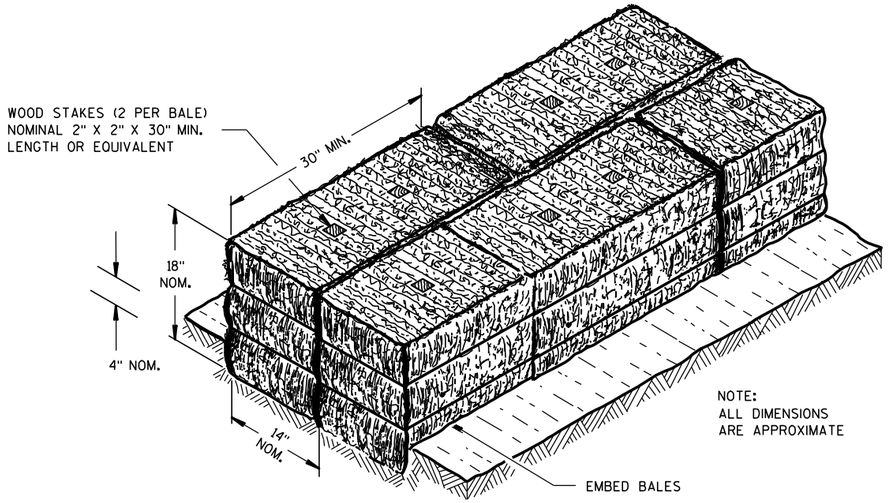
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

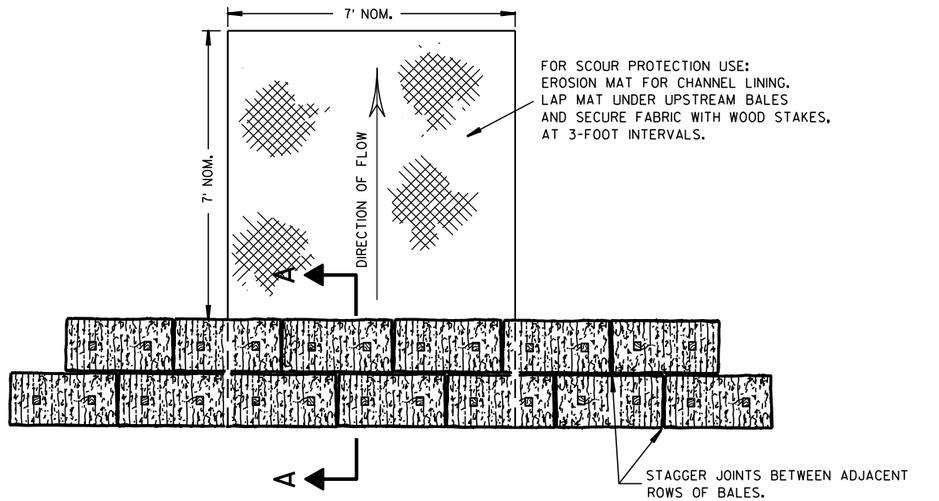
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

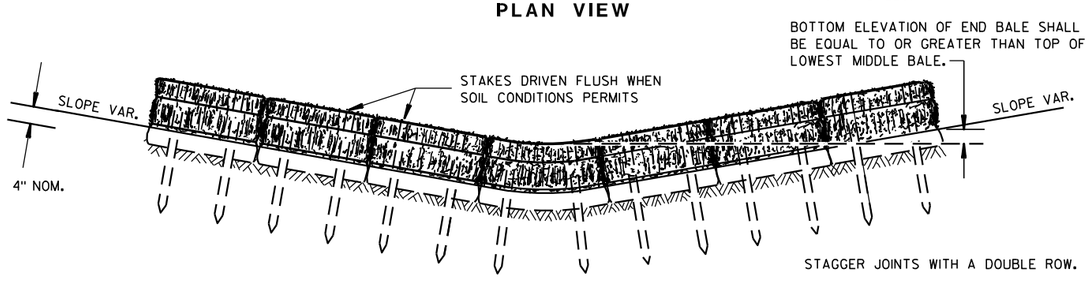
S.D.D. 8 D 5-16e



SECTION A-A



PLAN VIEW



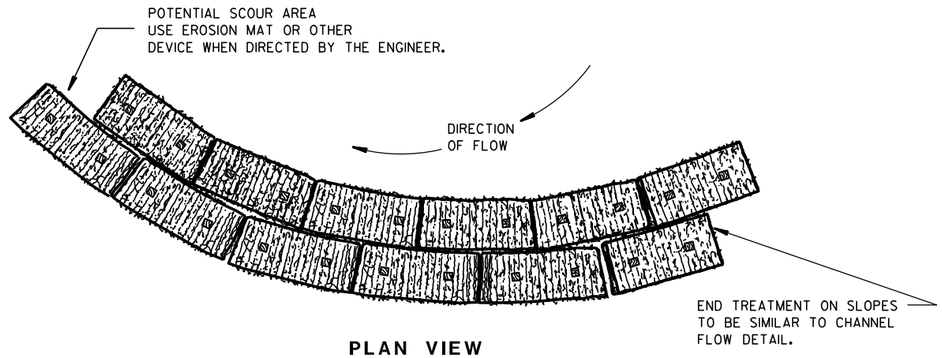
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

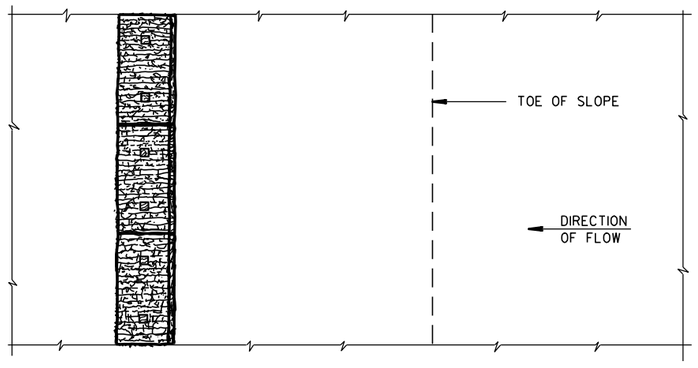
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

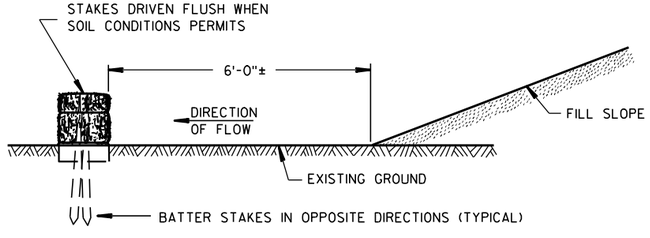


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

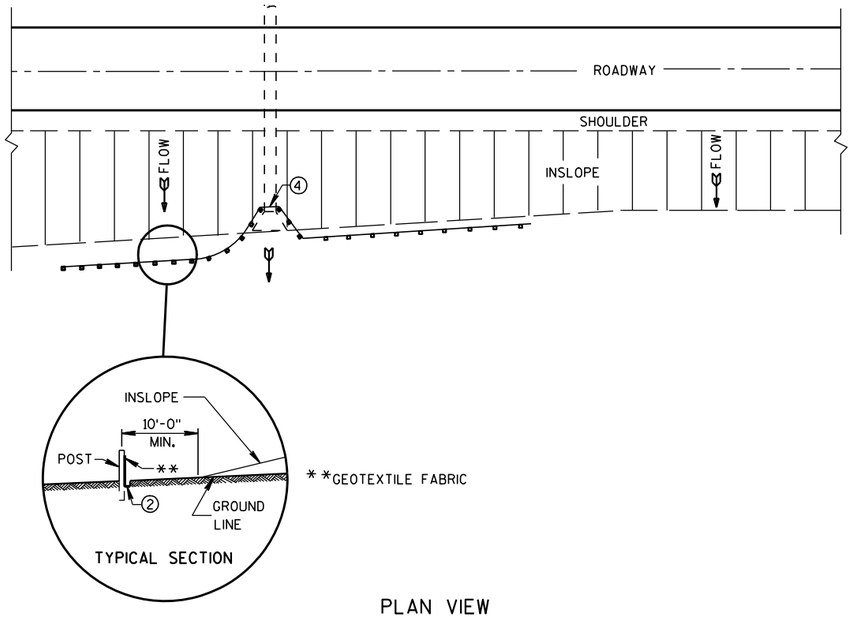
631

6

S.D.D. 8 E 8-3

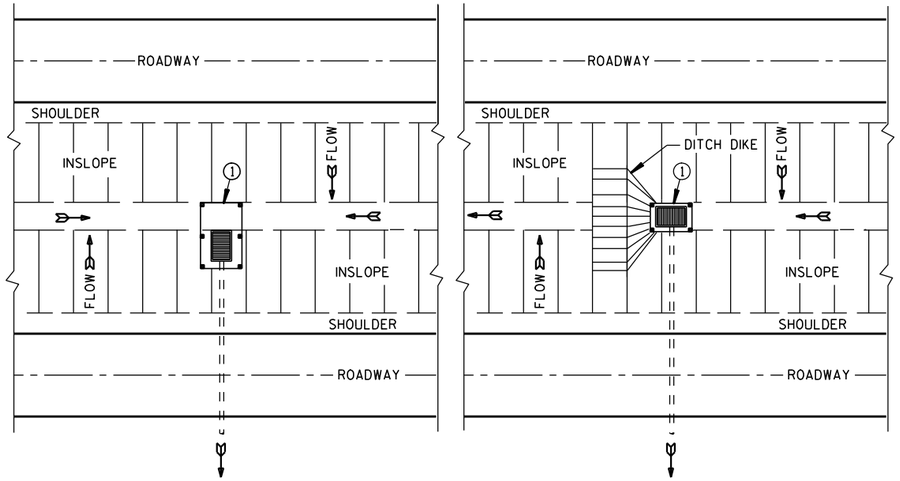
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



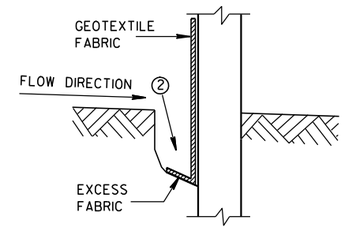
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

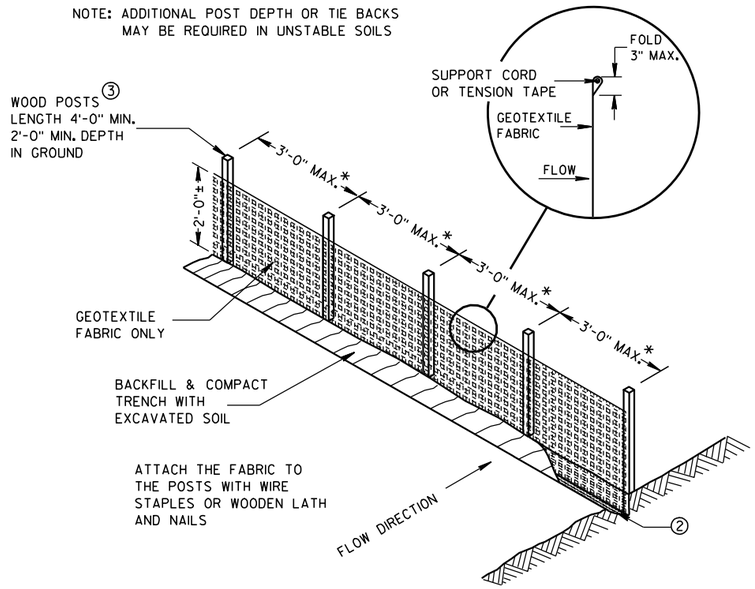
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

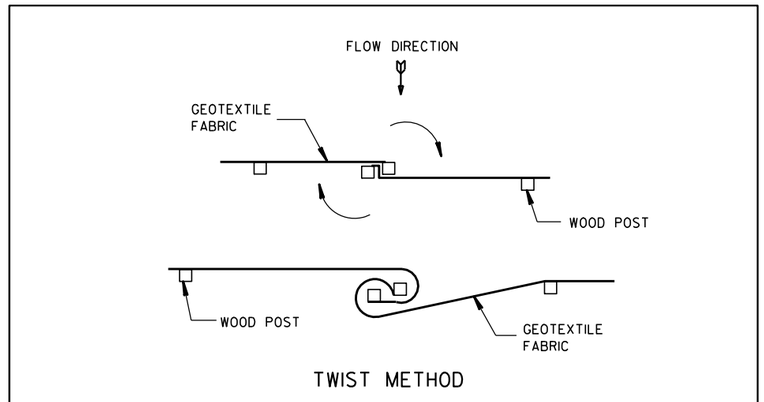
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



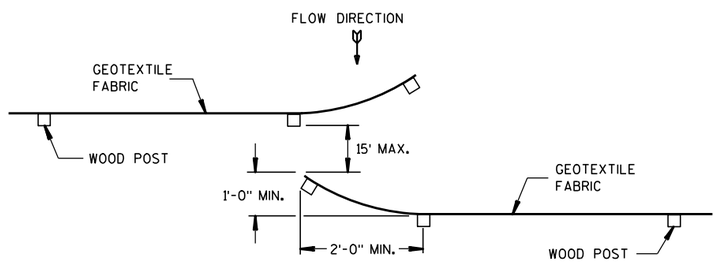
TRENCH DETAIL



SILT FENCE

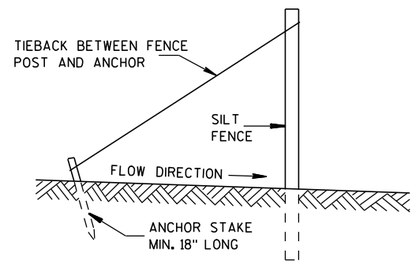


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

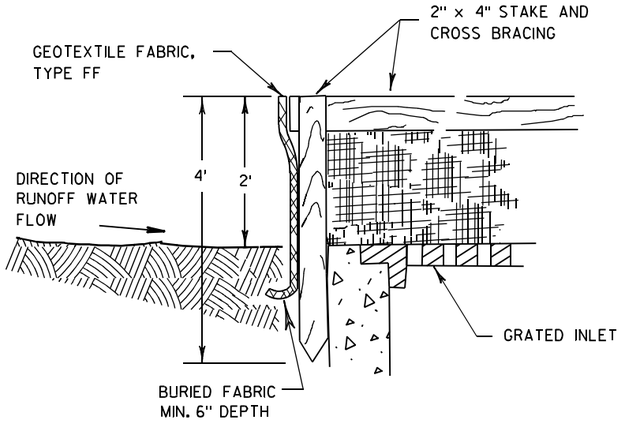
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

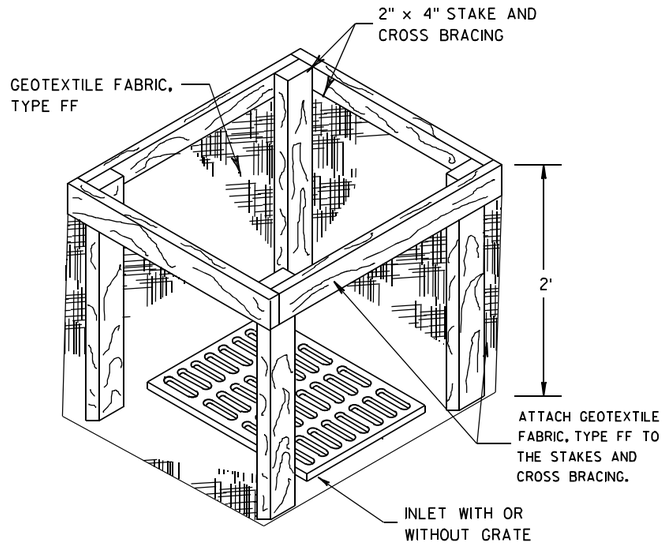
6

S.D.D. 8 E 9-6

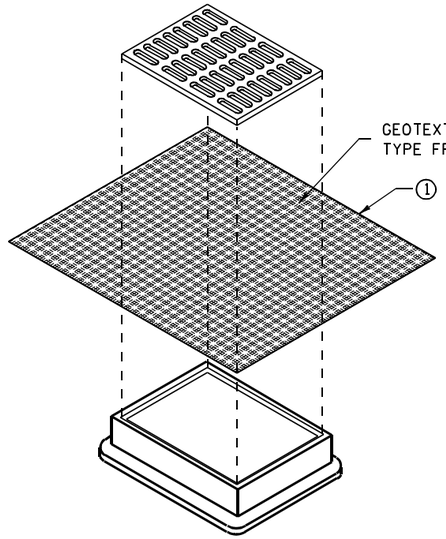
6

S.D.D. 8 E 9-6



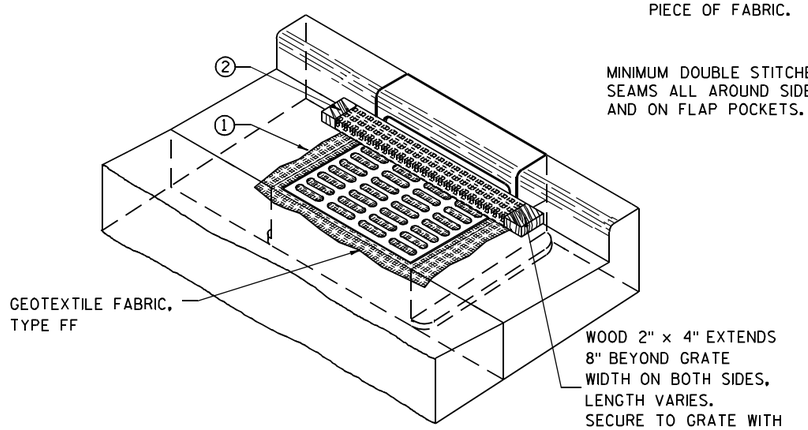


INLET PROTECTION, TYPE A

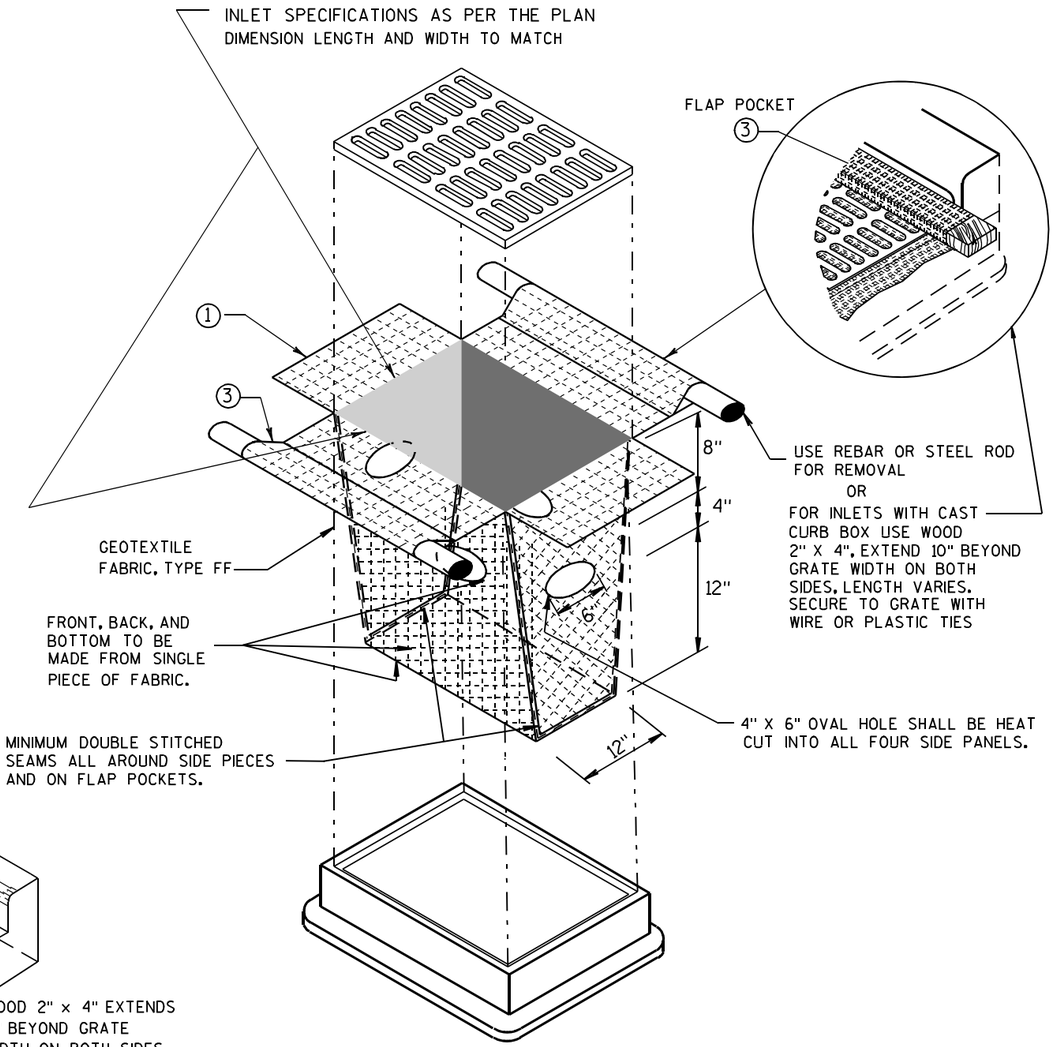


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

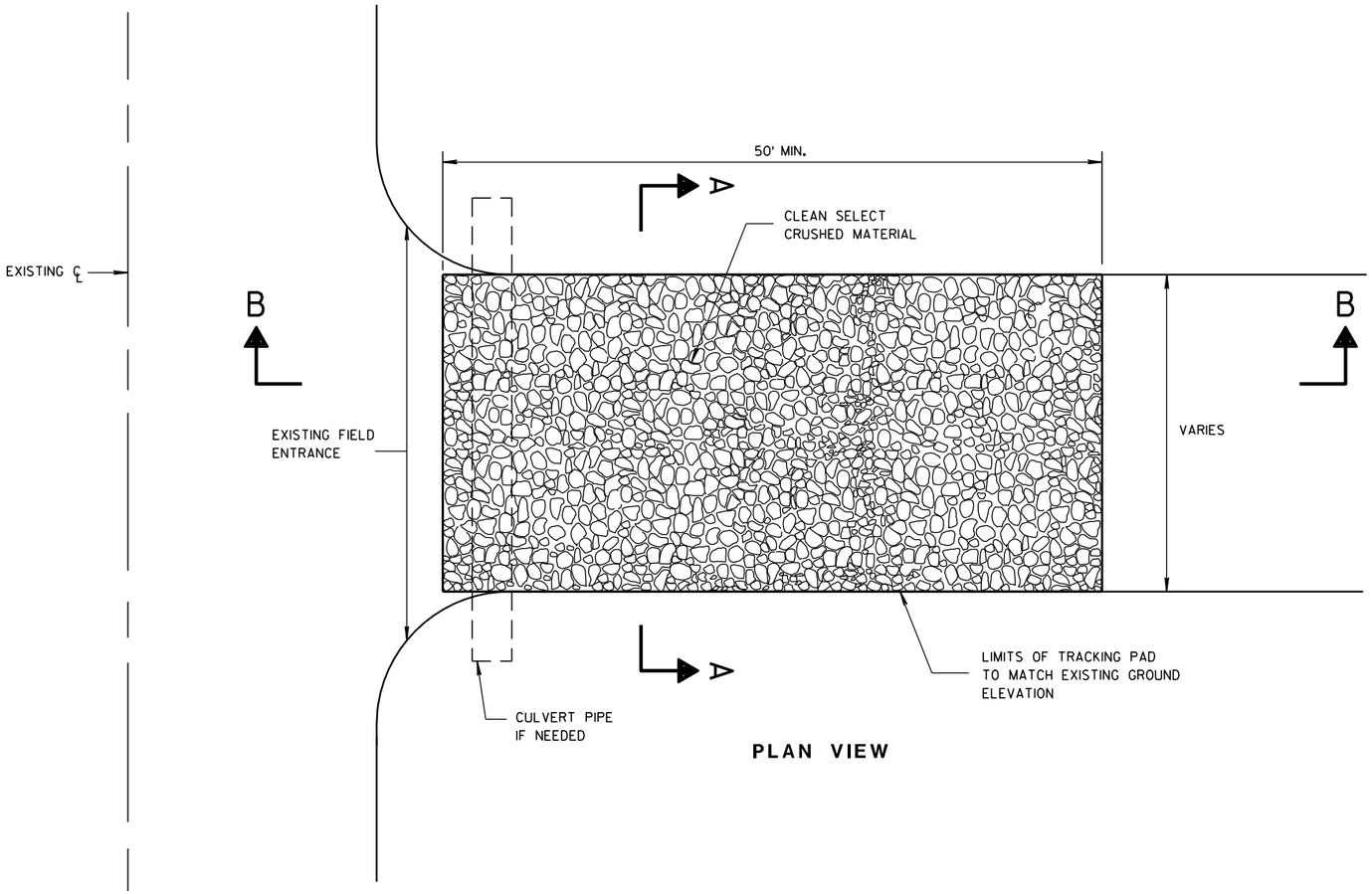
FHWA

6

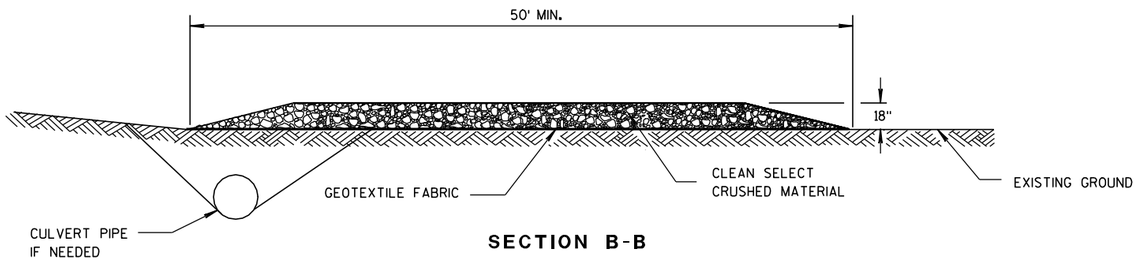
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

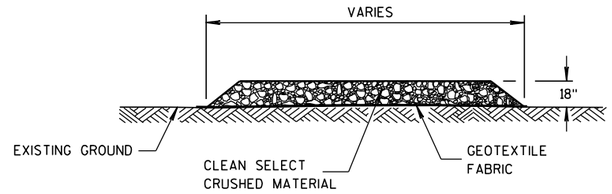
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER
634 ENT
FHWA

6

S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

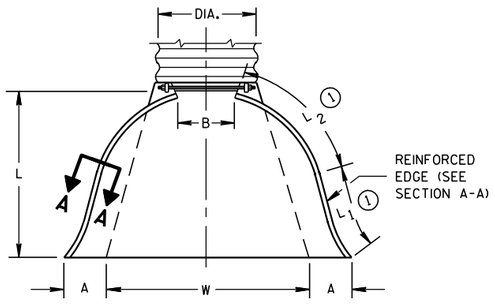
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

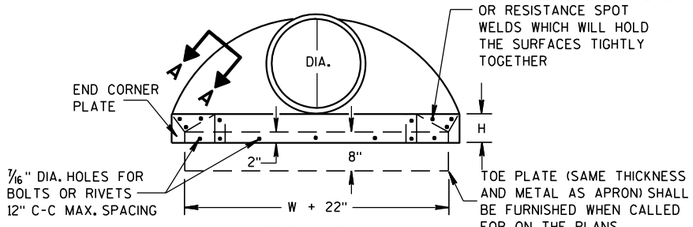
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

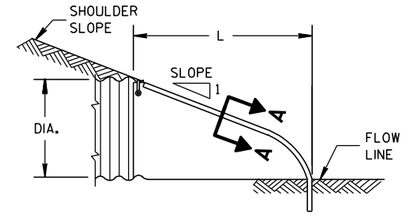
*MINIMUM
**MAXIMUM



PLAN VIEW

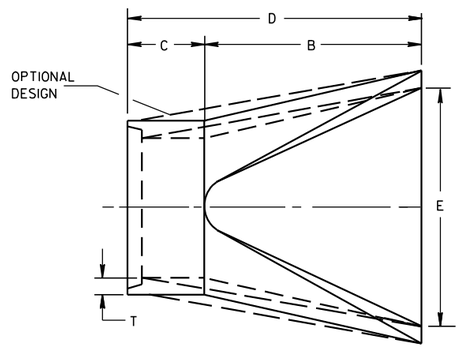


END VIEW

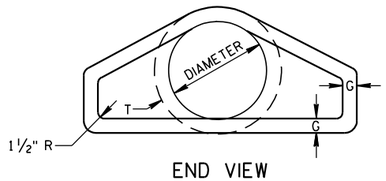


SIDE ELEVATION

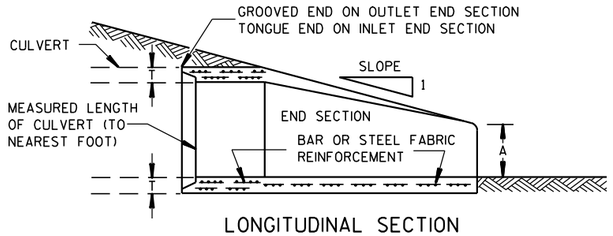
METAL ENDWALLS



PLAN

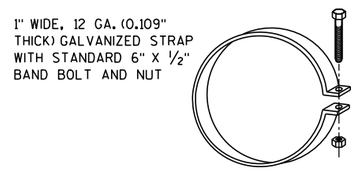


END VIEW



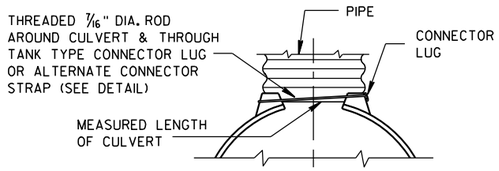
LONGITUDINAL SECTION

CONCRETE ENDWALLS

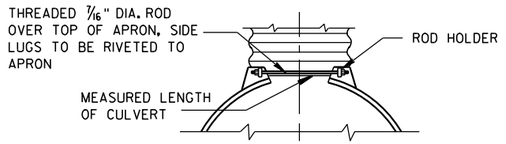


ALTERNATE FOR TYPE 1 CONNECTION

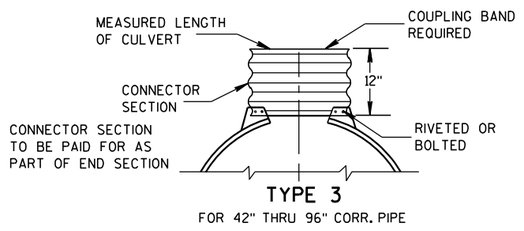
END SECTION CONNECTOR STRAP



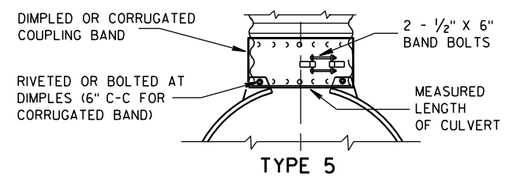
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

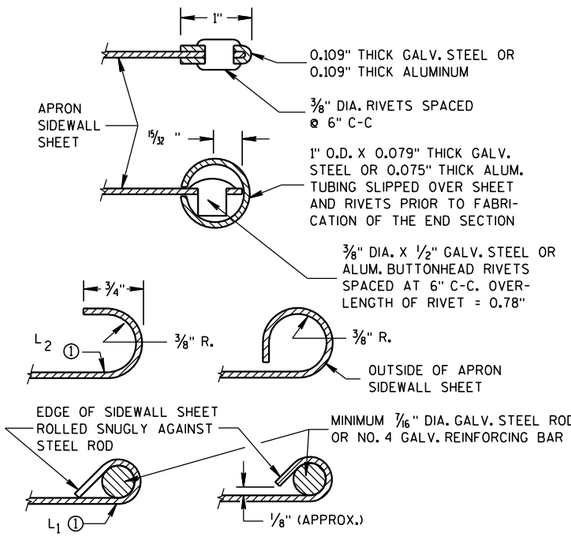
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

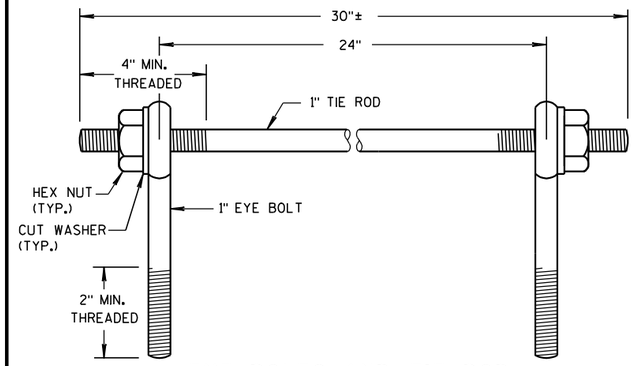
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

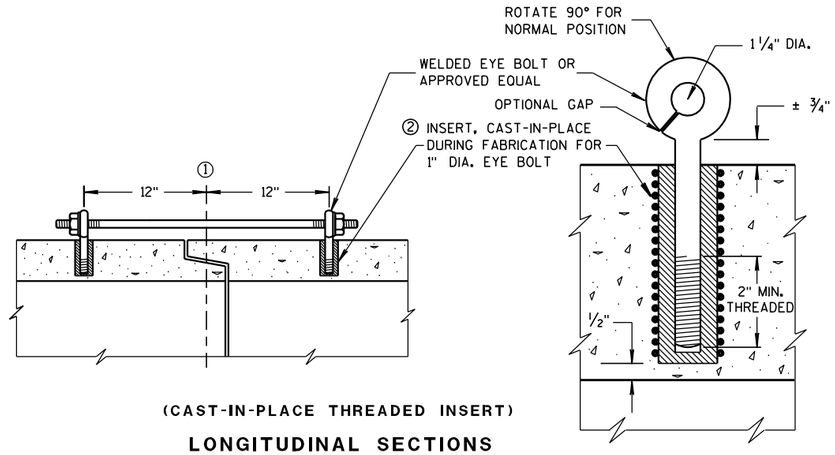
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 635 NEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

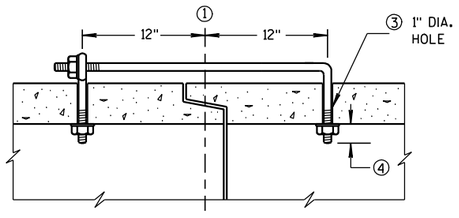
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

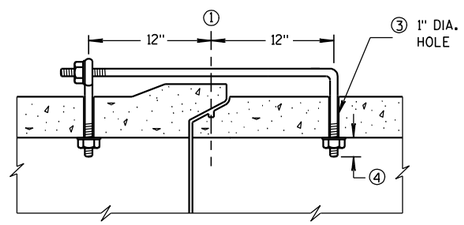
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

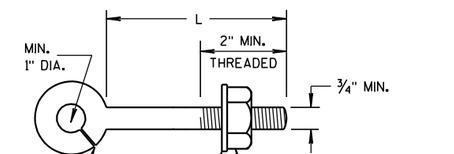


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

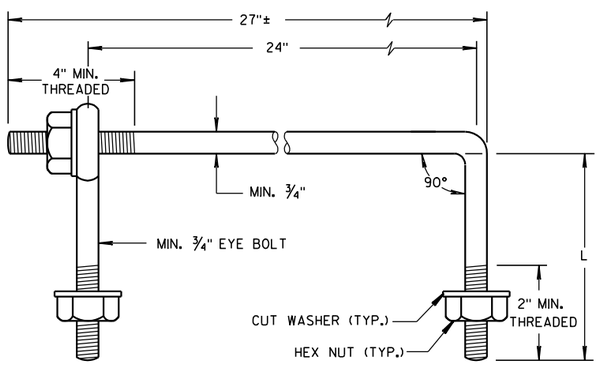
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

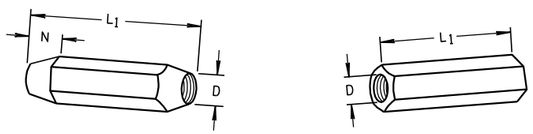
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

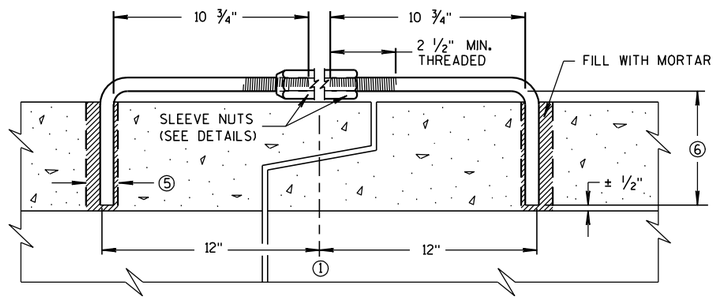
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

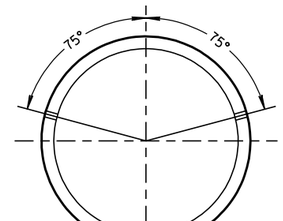
SLEEVE NUTS



LONGITUDINAL SECTION

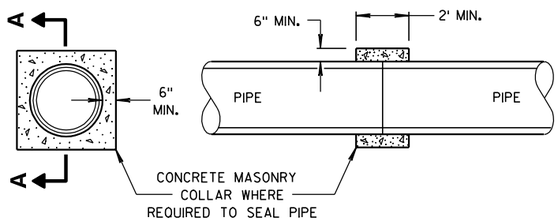
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
636 'MENT

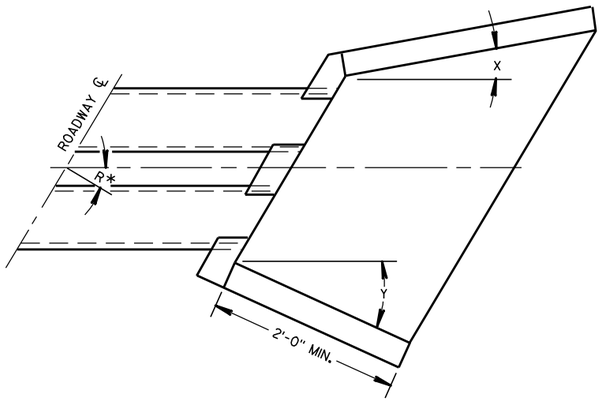
FHWA

6

S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

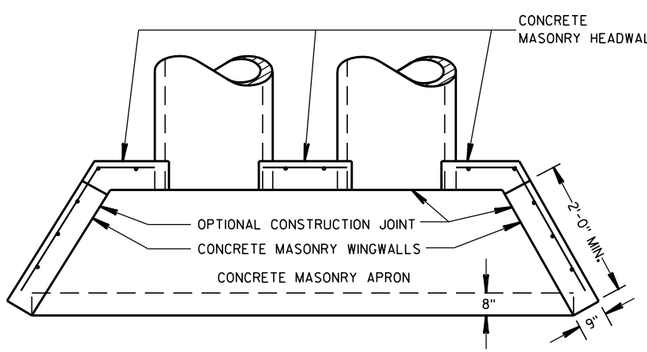
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

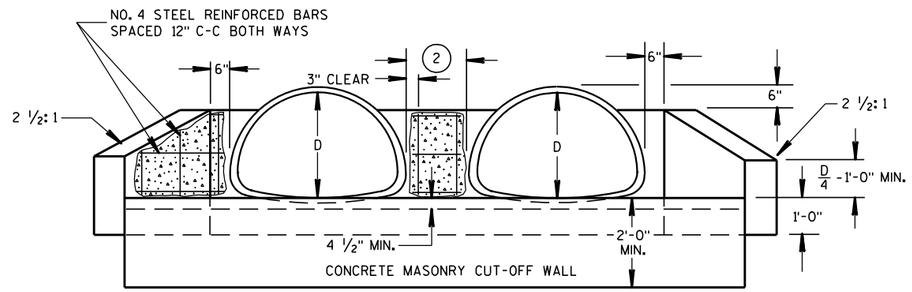
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



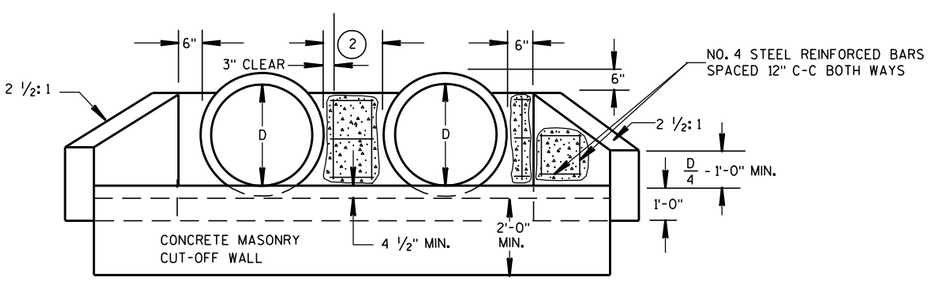
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



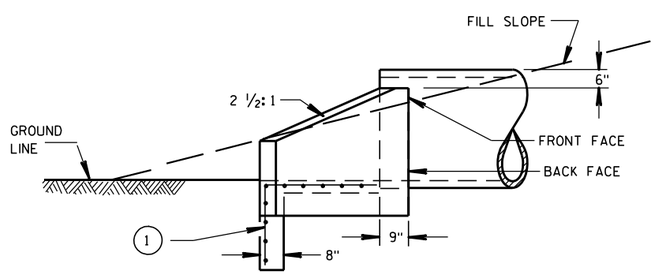
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

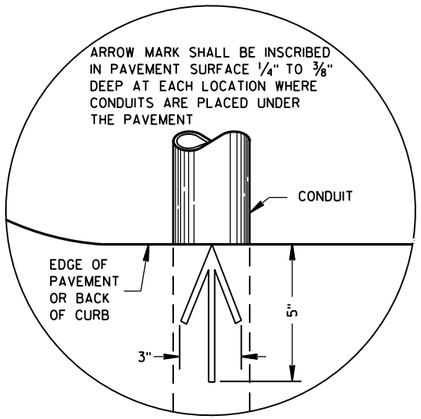
9/14/98 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

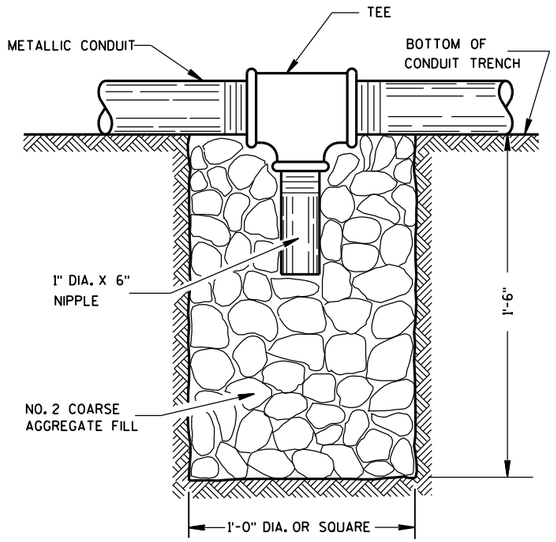
6

S.D.D. 8 F 10-1



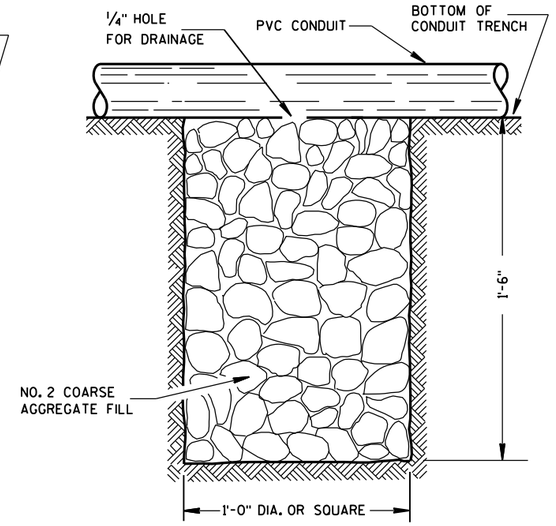
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

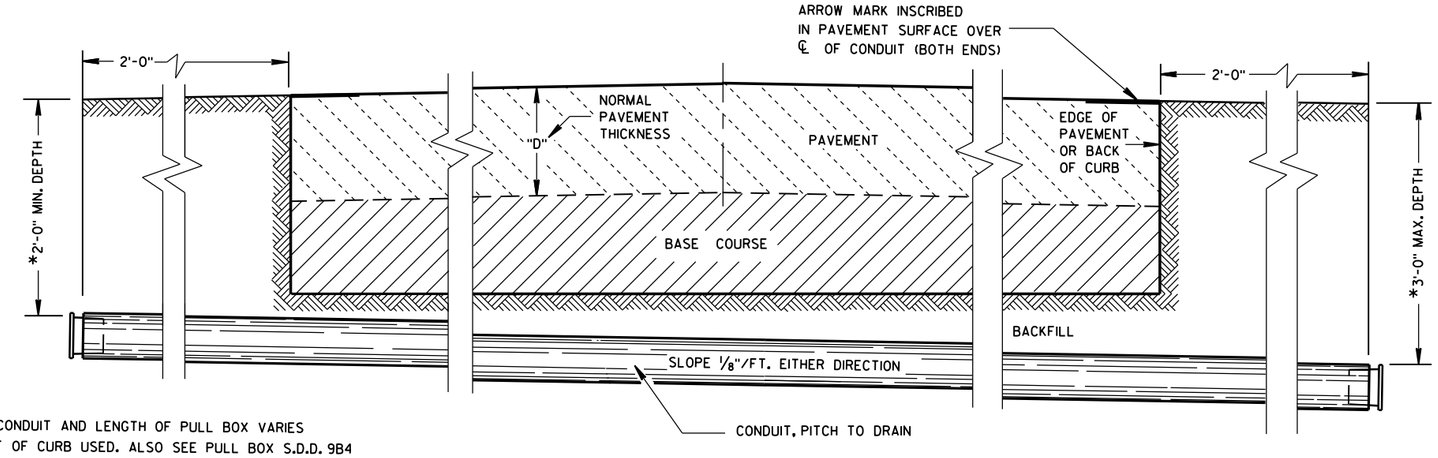
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

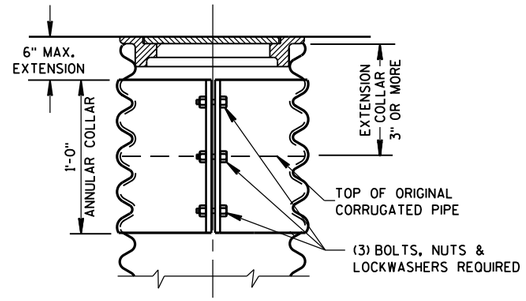
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 638
FHWA

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

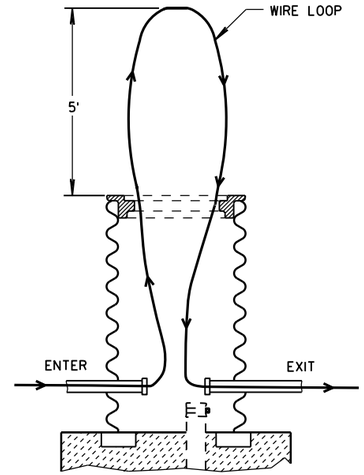
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

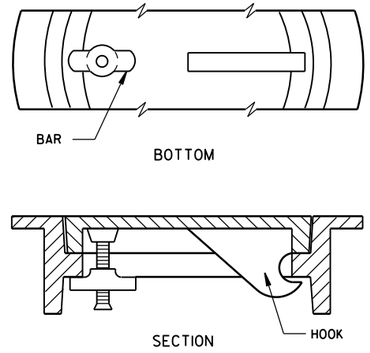
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

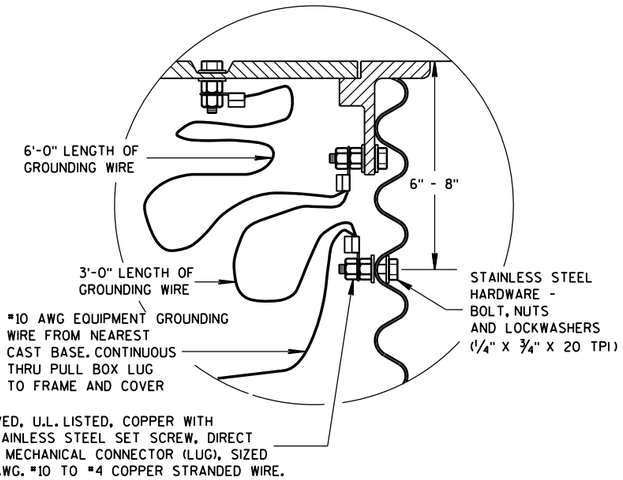


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

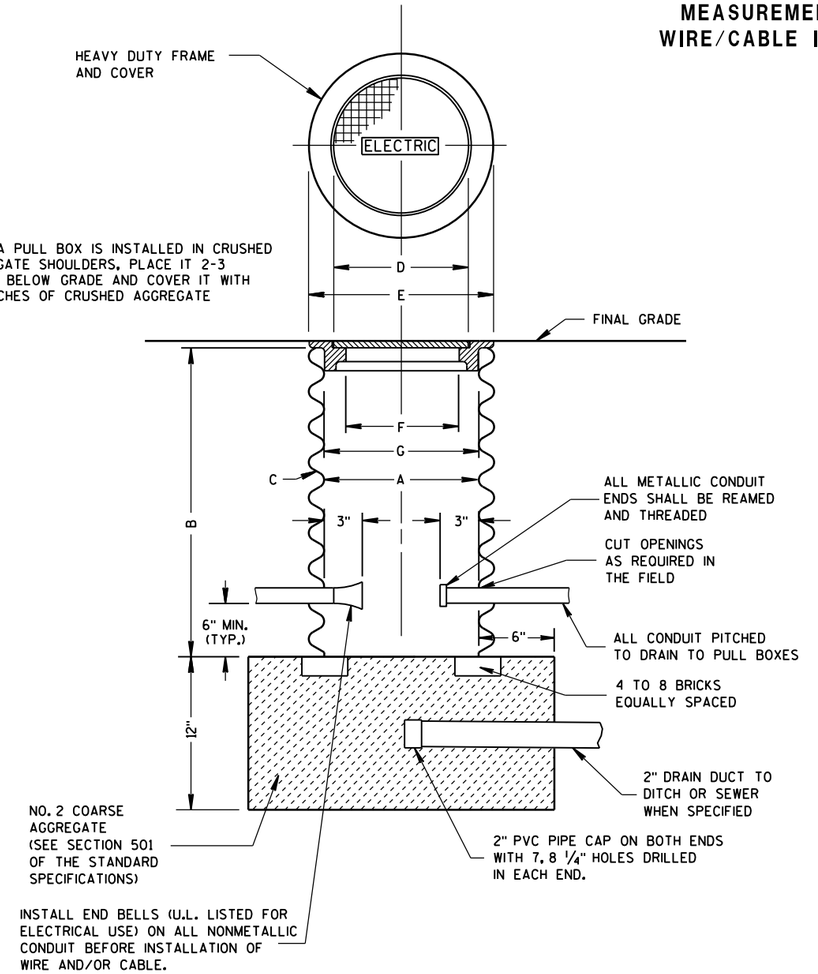
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

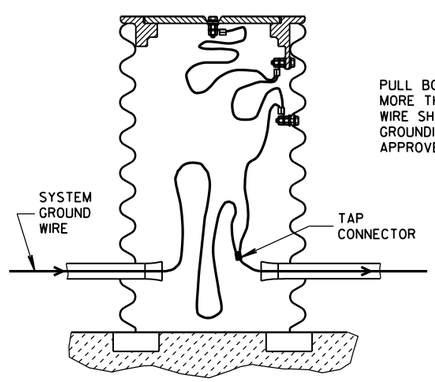
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

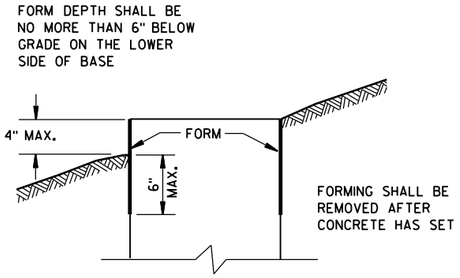
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 639
FHWA

6

S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

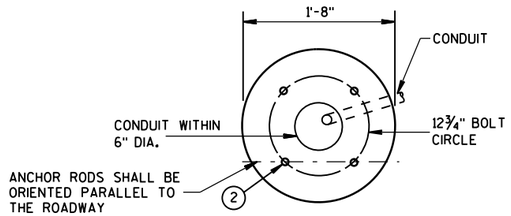
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

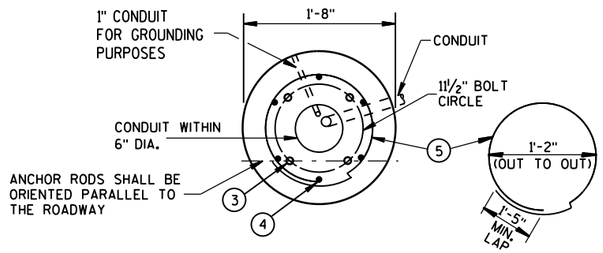
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

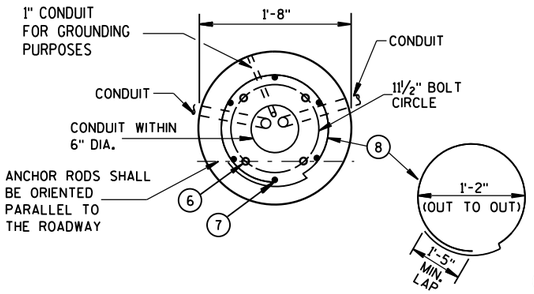
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

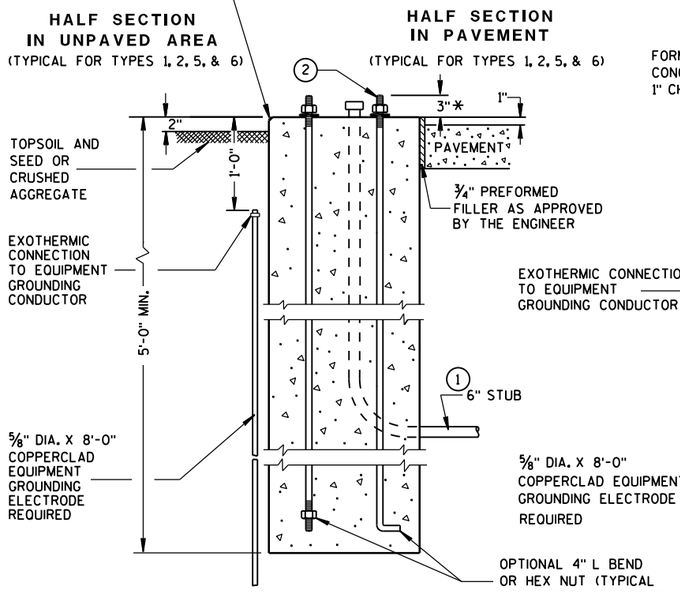






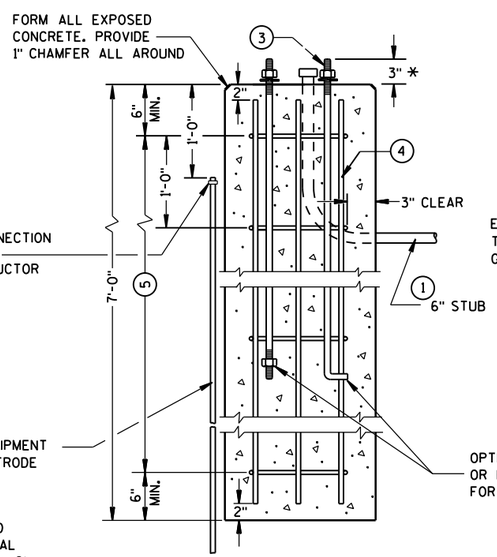
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

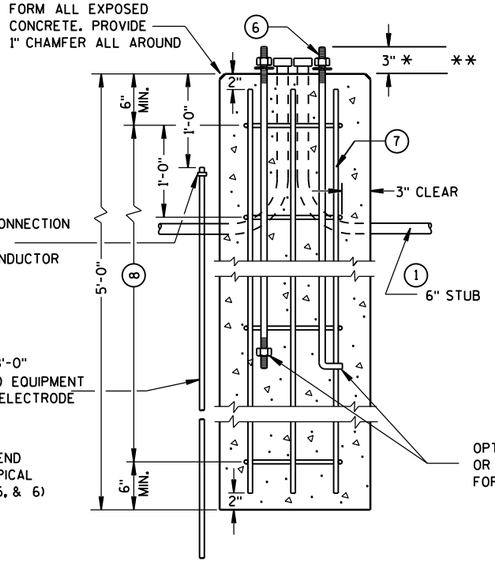


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 640
FHWA

6

S.D.D. 9 C 2-7

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

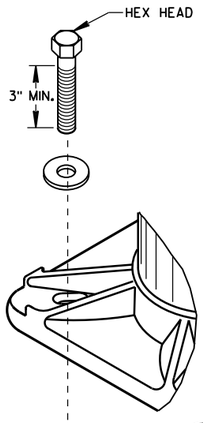
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

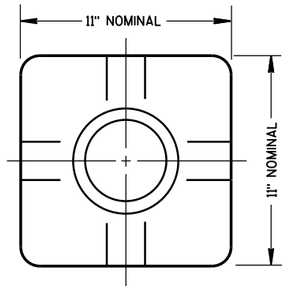
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

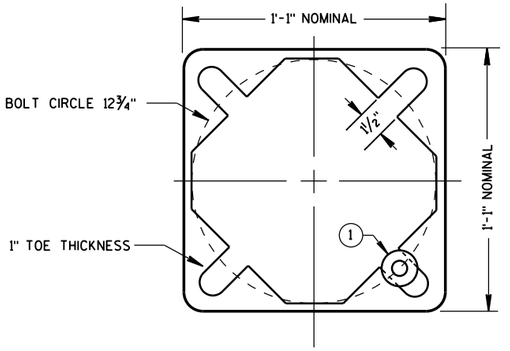
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

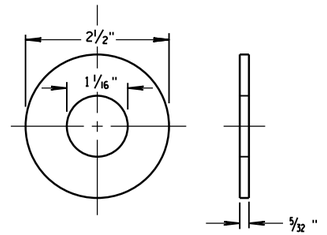




TOP VIEW
(PEDESTAL BASE)

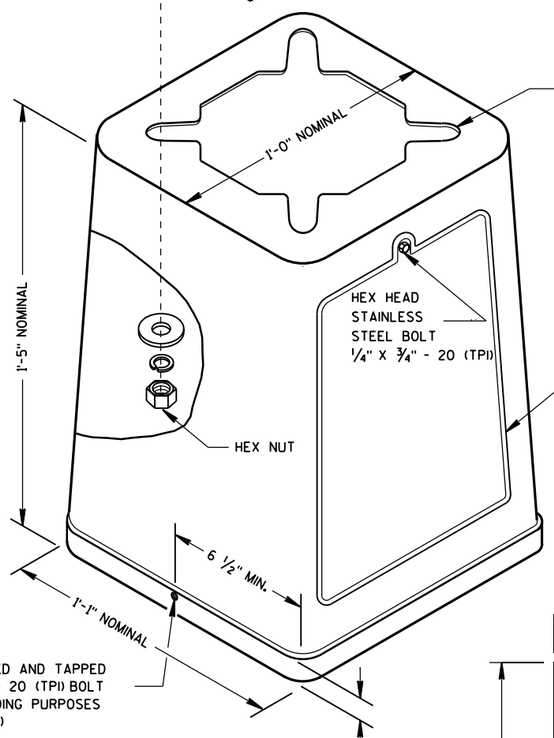


BOTTOM VIEW
(PEDESTAL BASE)

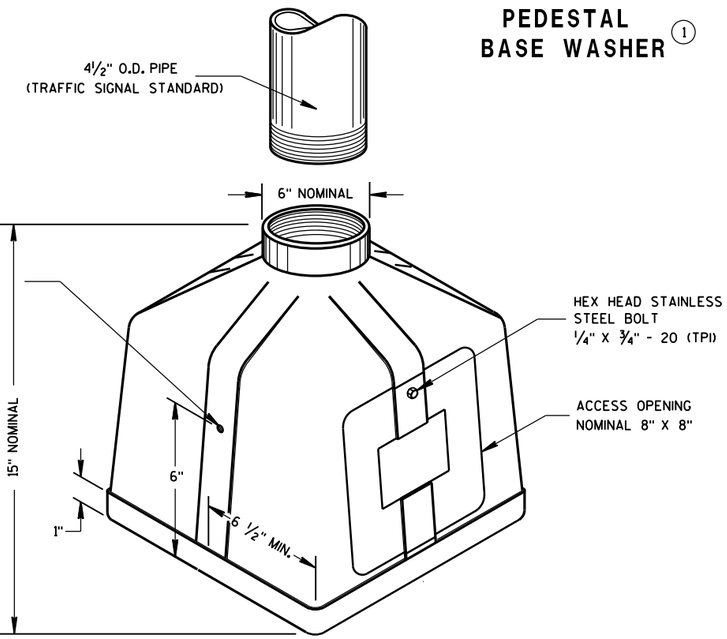


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

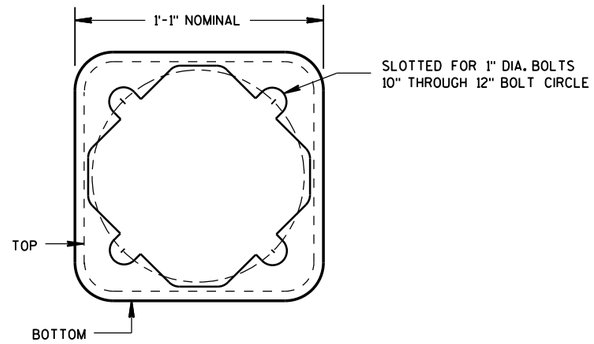


ISOMETRIC VIEW

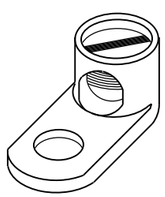


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

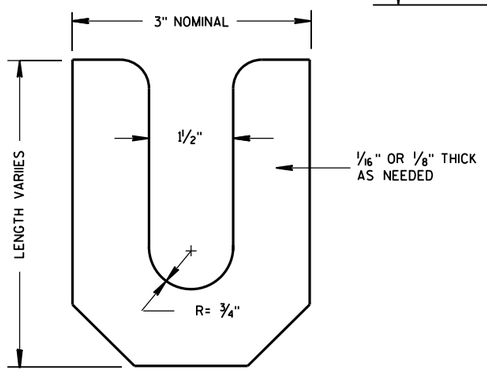


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

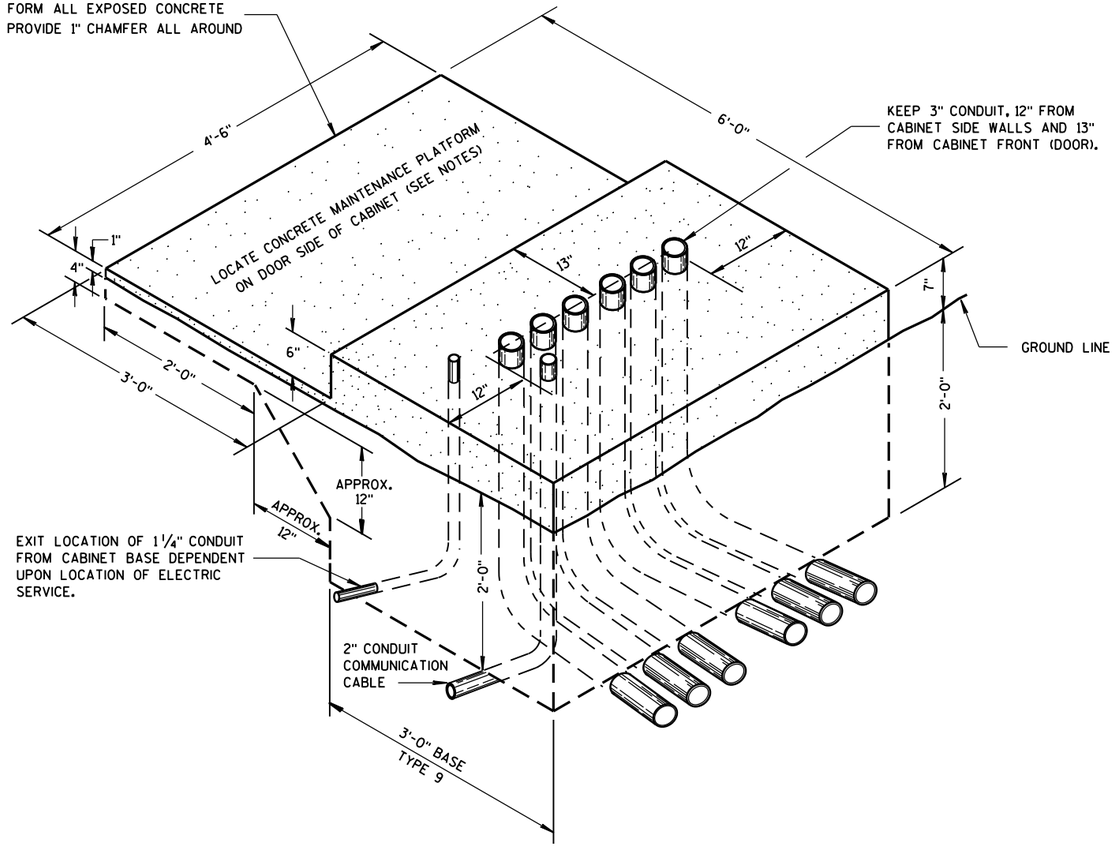
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

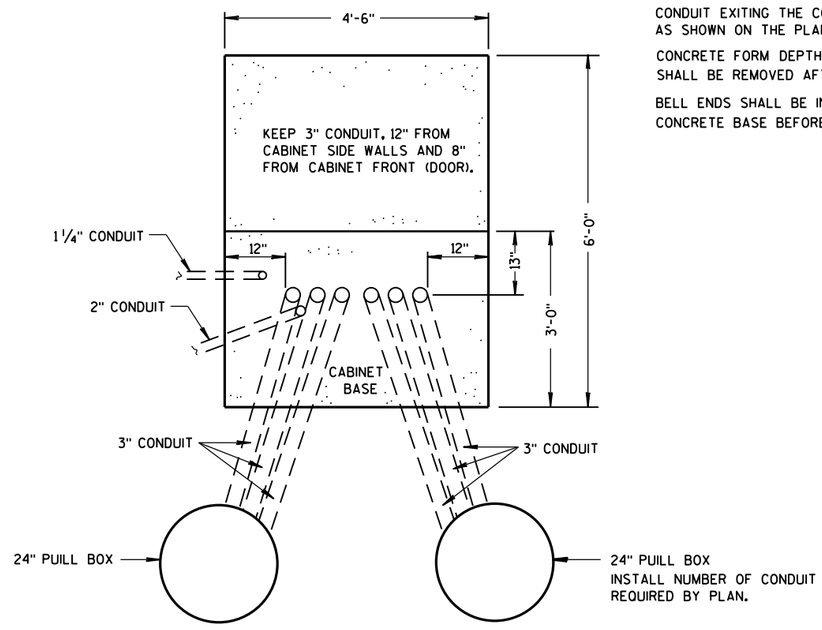
S.D.D. 9 C 3-4



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 642
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

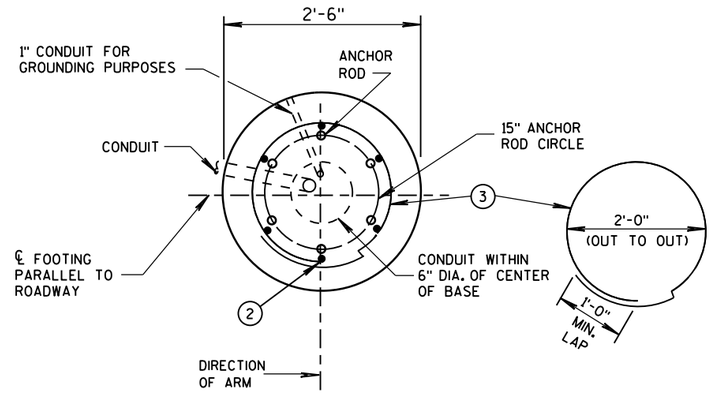
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

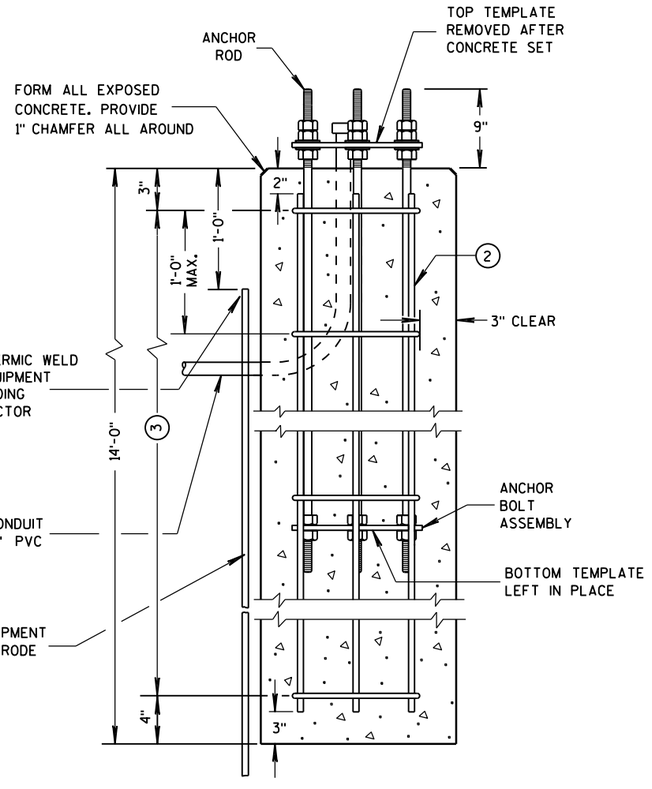
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (15) NO. 4 X 7'-4" BAR STEEL REINFORCEMENT @ 1'-0" MAX. C-C.

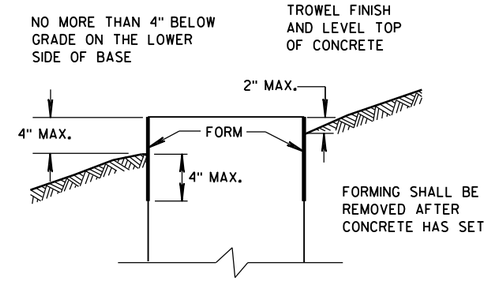
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



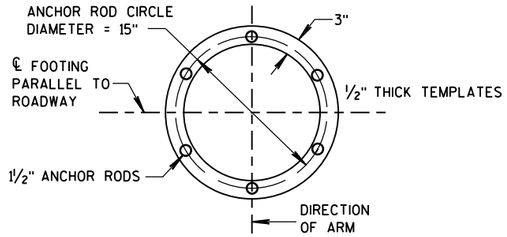


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

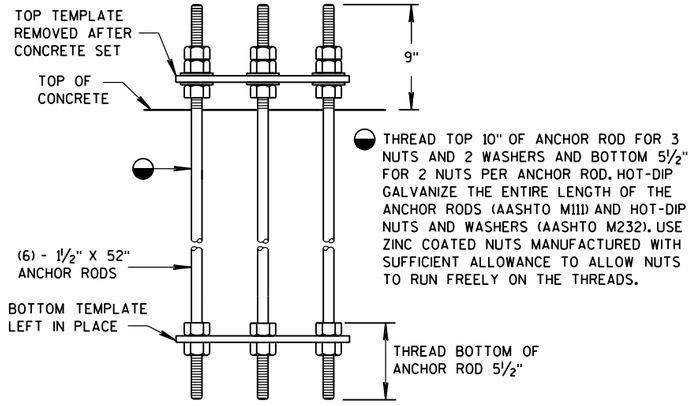
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	69
LBS. OF VERTICAL BAR STEEL	122

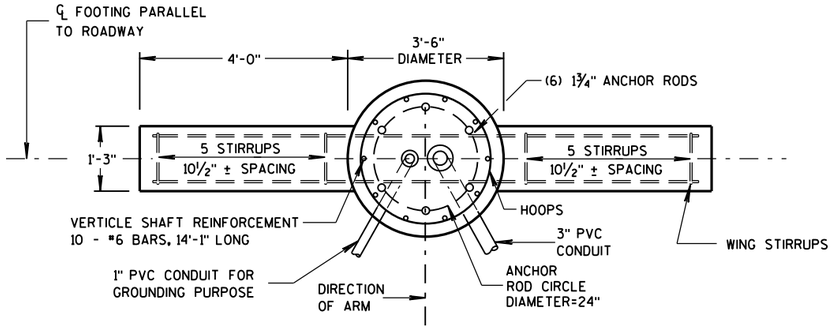
CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

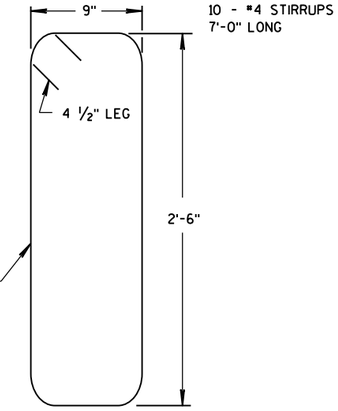
APPROVED
Sept., 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

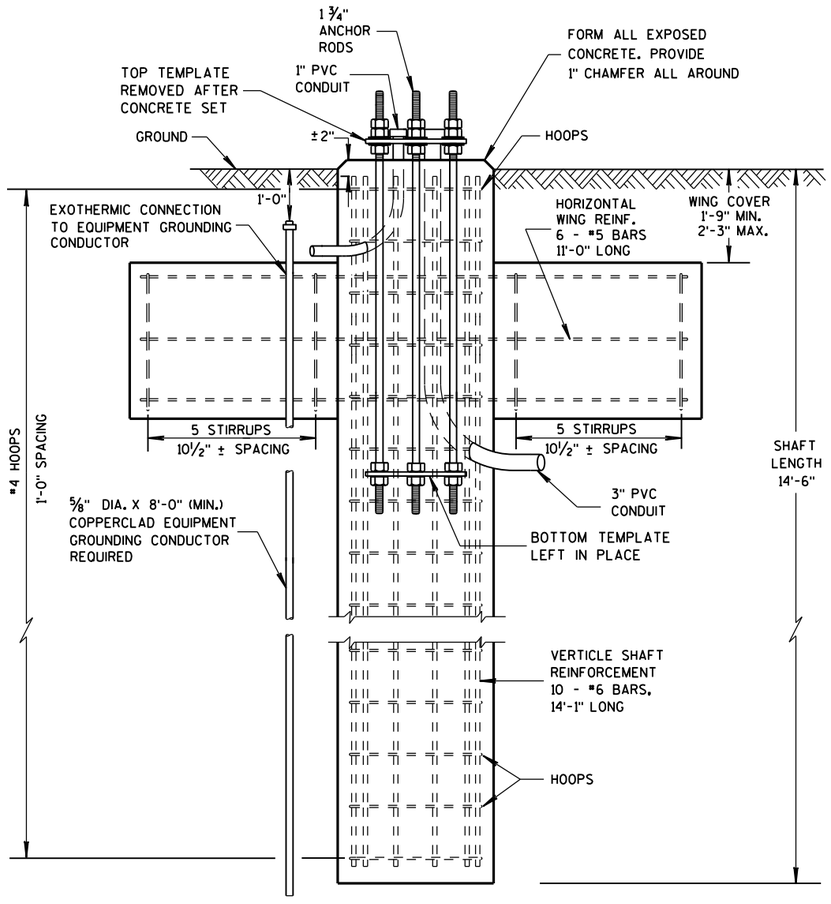
S.D.D. 9 C 11-8



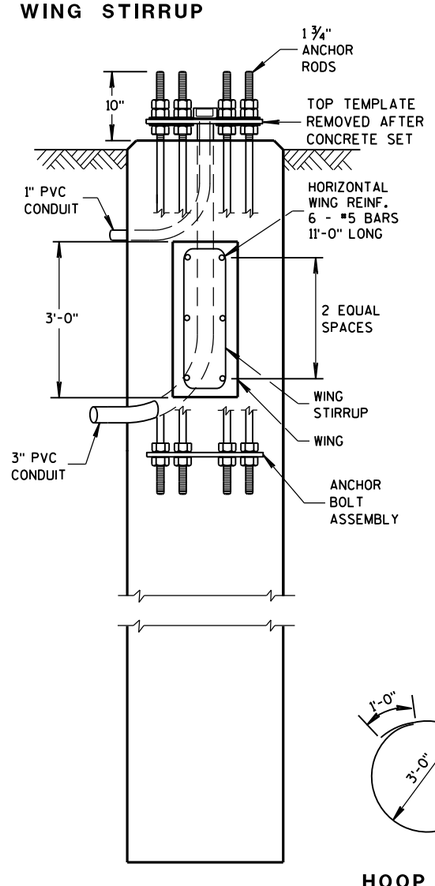
PLAN VIEW



WING STIRRUP

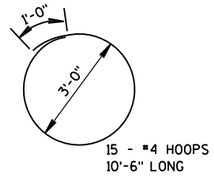


ELEVATION VIEW



SIDE VIEW

DOES NOT SHOW HOOPS OR VERTICAL SHAFT REINFORCEMENT



15 - #4 HOOPS 10'-6" LONG

HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 433 LBS.

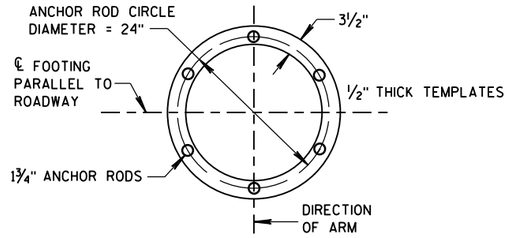
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

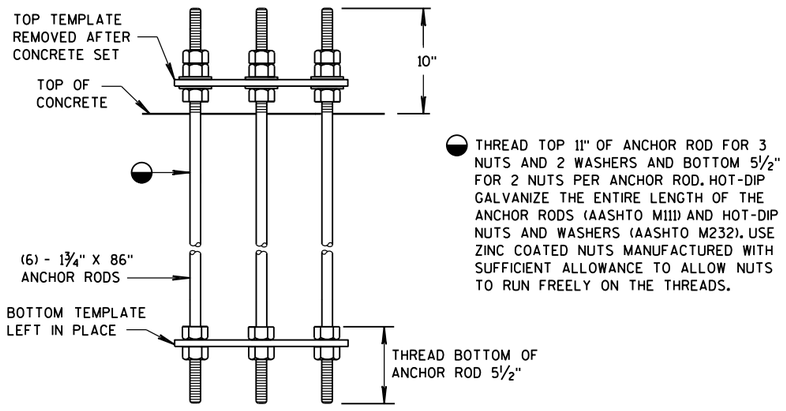
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 9 C 12-7a

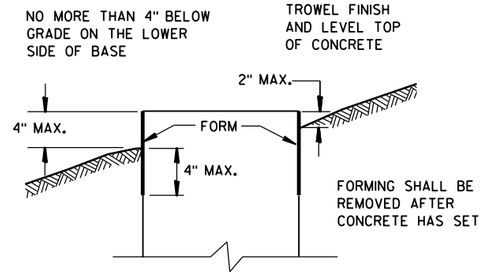


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

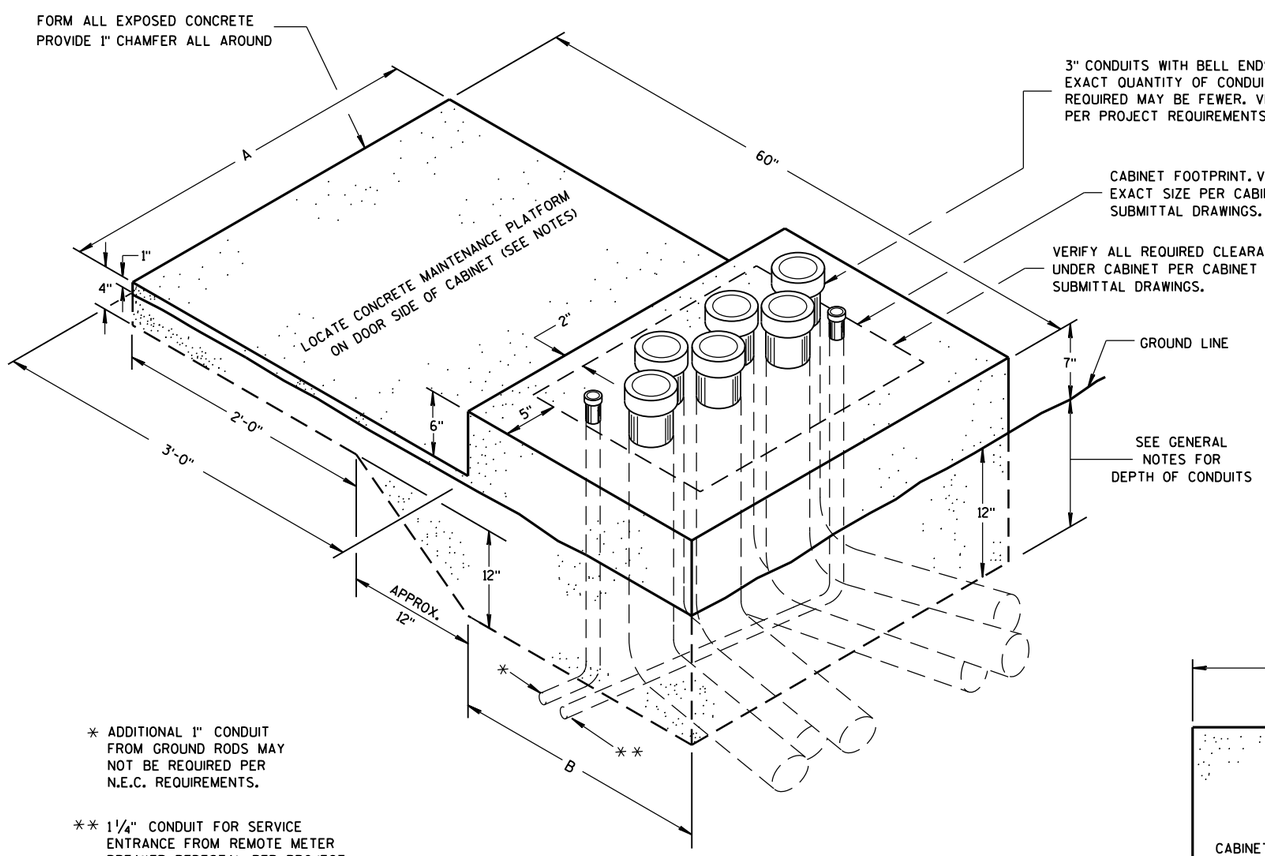
6

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

S.D.D. 9 C 12-7b



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

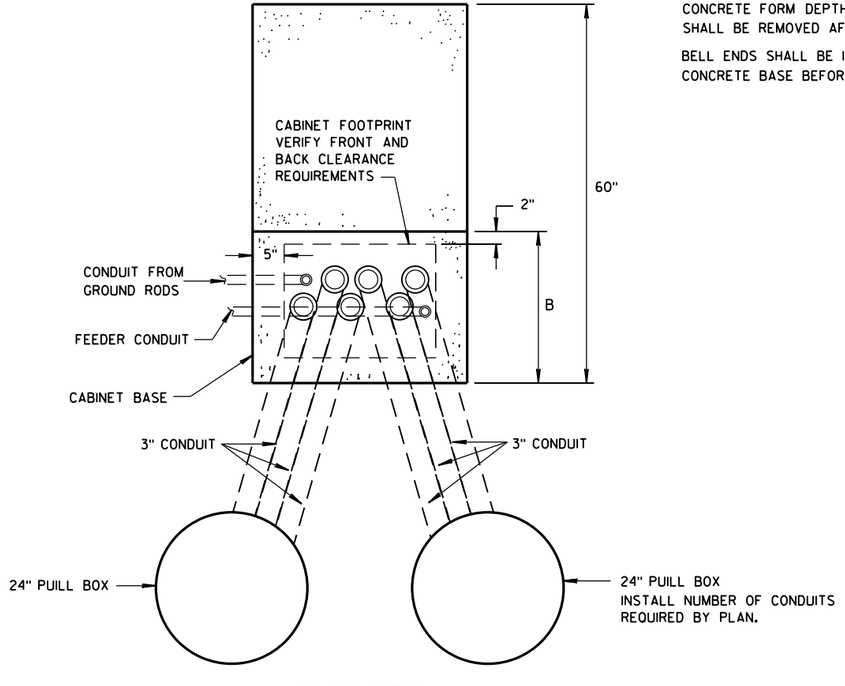
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINE — WYS
FHWA

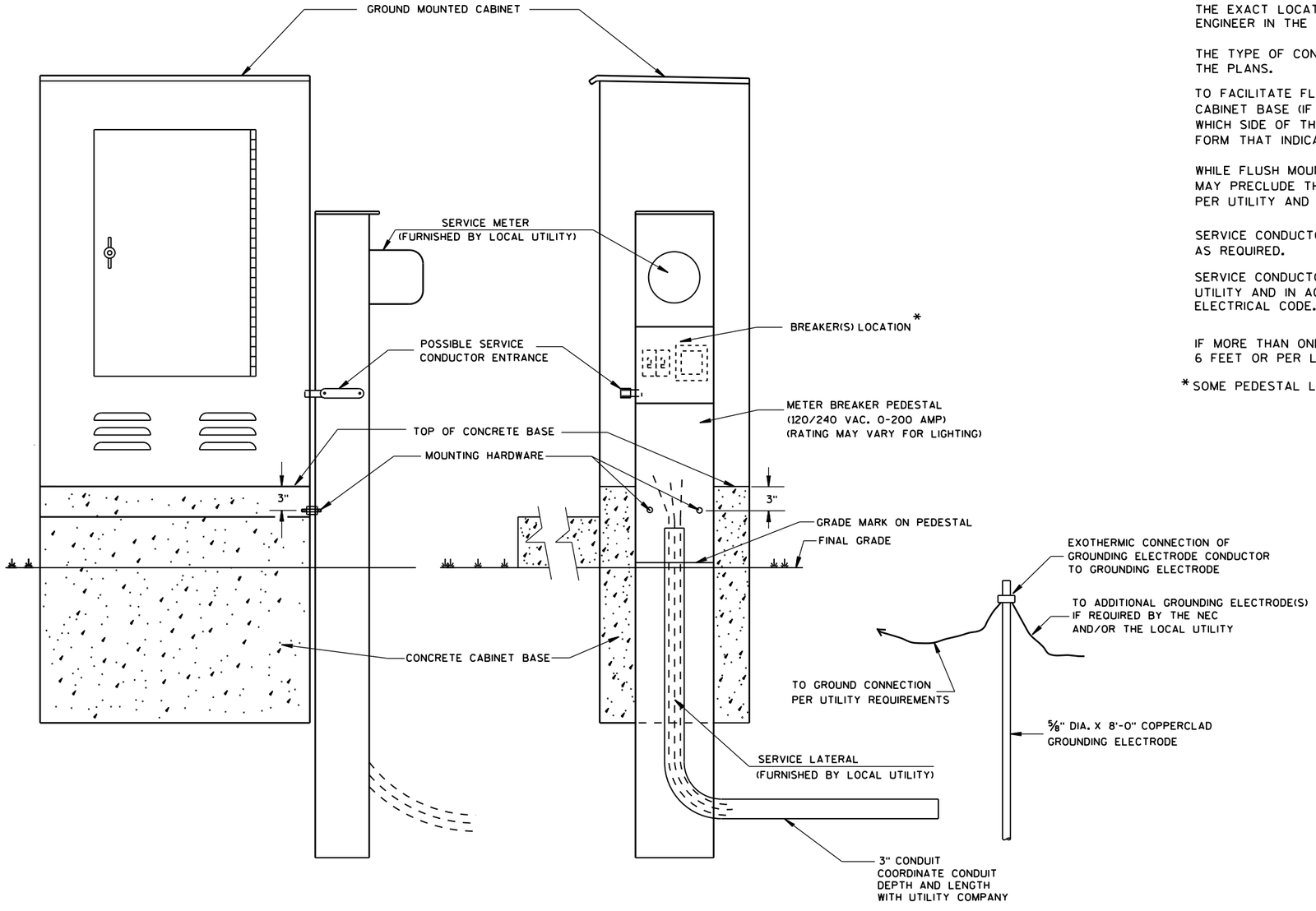
646

6

S.D.D. 9 C 14-2

6

S.D.D. 9 C 14-2



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

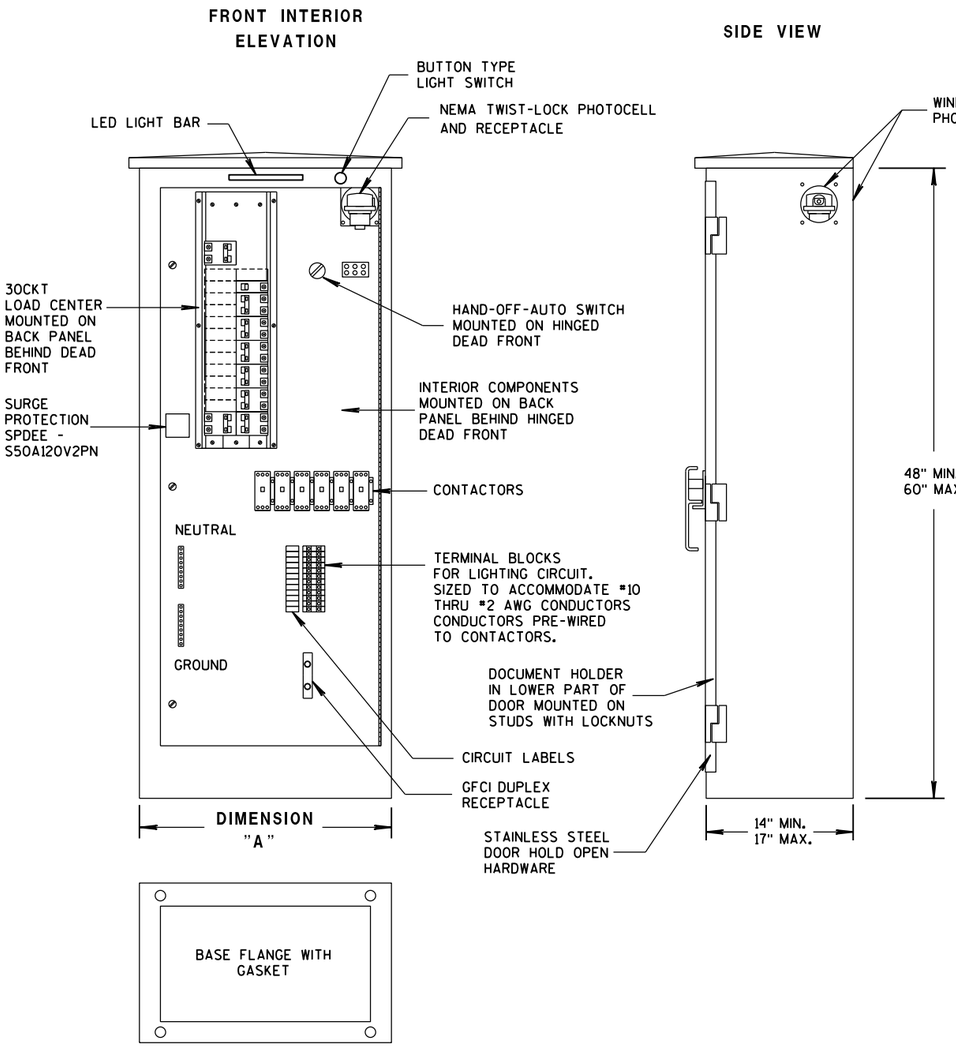
ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

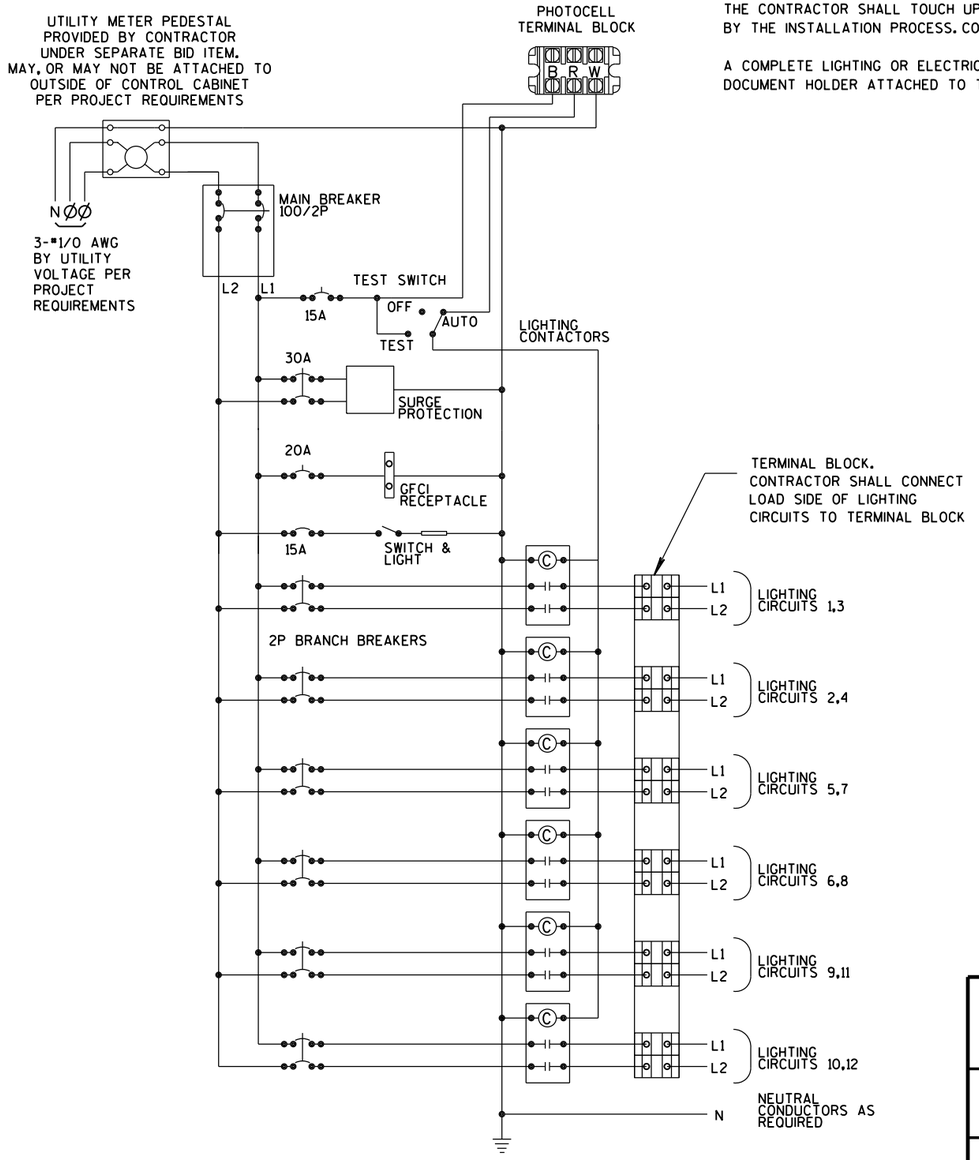
A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.



LIGHTING CONTROL CABINET

TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"



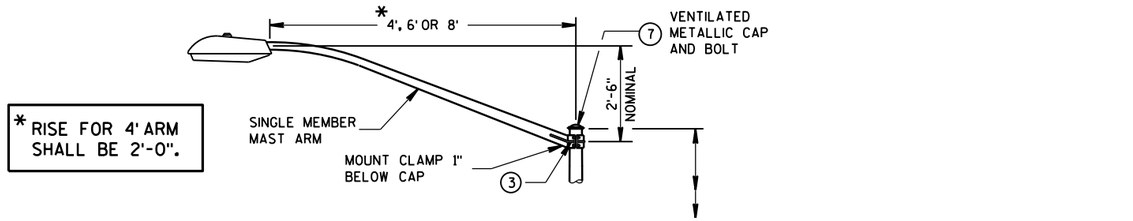
CONTROL CABINET SCHEMATIC

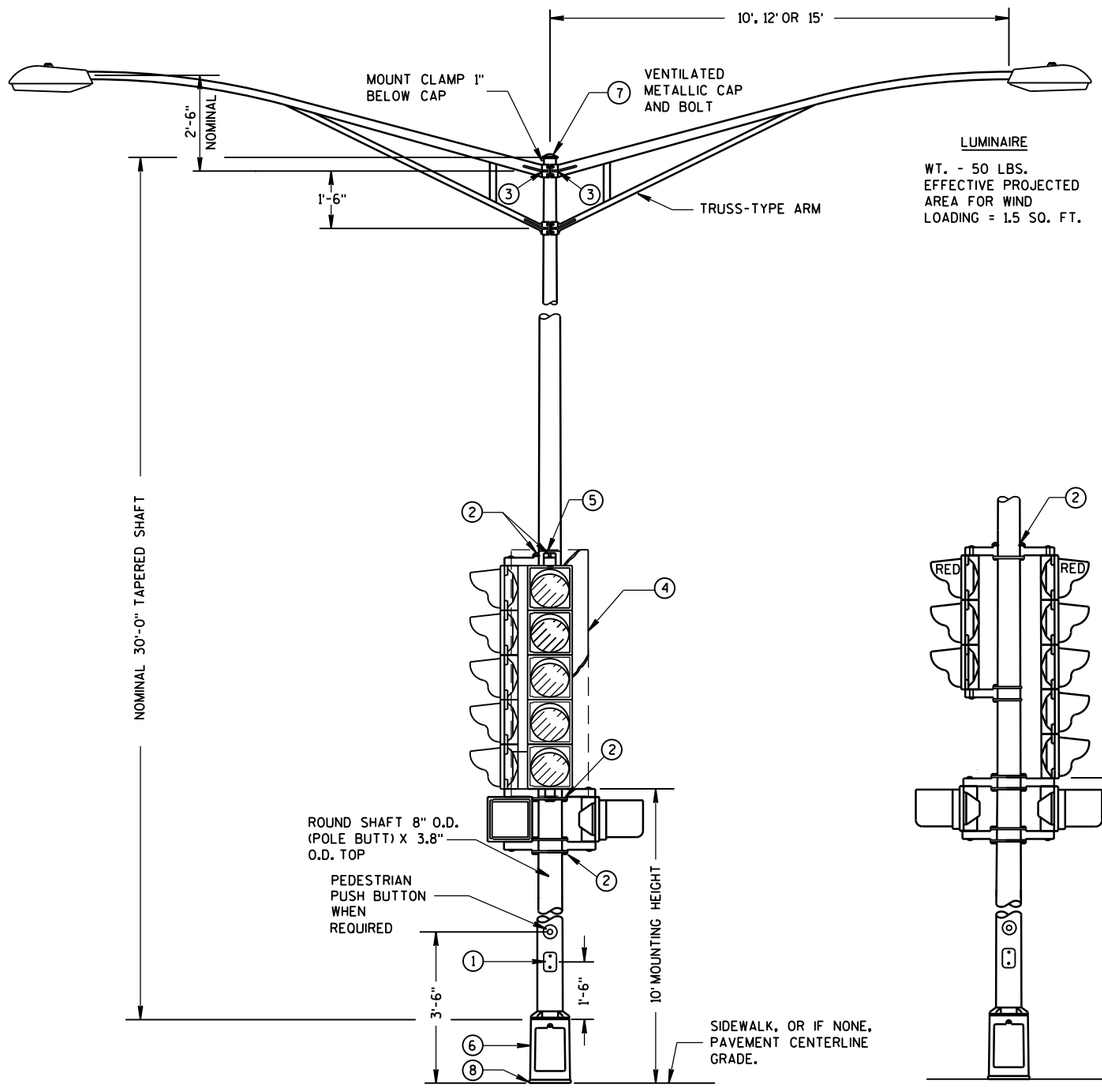
LIGHTING CONTROL CABINET 120/240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 DATE
/S/ Thomas Gonring STATE LIGHTING ENGINEER
FHWA

6
S.D.D. 9 D 4-2

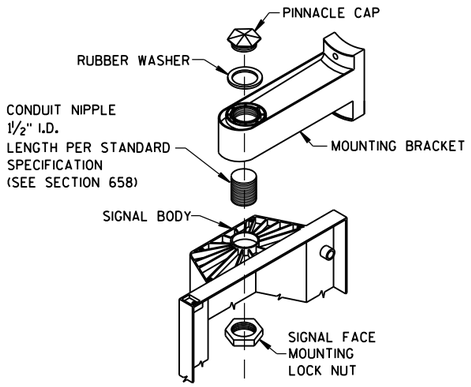




LUMINAIRE

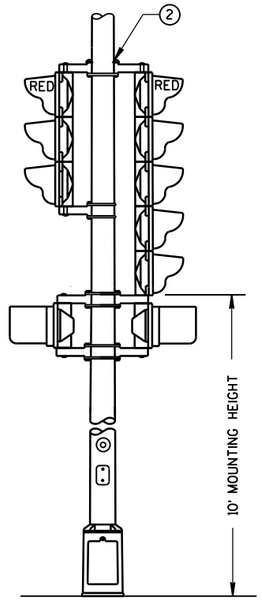
WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

(MAXIMUM LOAD)

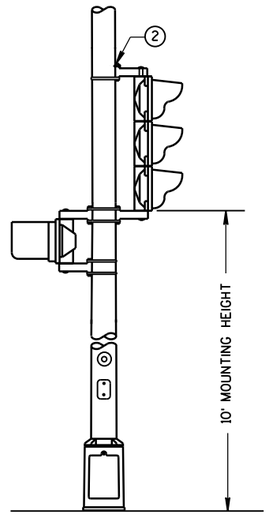


SIGNAL FACE MOUNTING DETAIL

(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 4 POLE MOUNTING CONFIGURATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658).

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

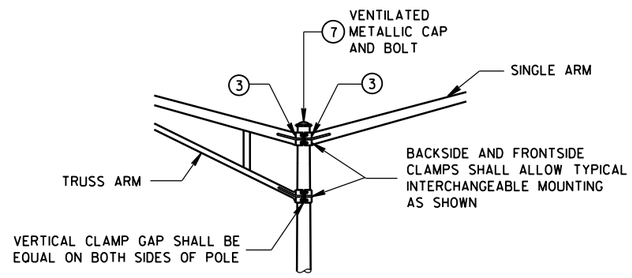
(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(7) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.



INTERCHANGEABLE MOUNTING DETAIL

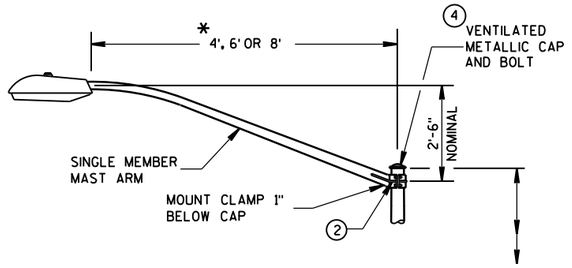
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

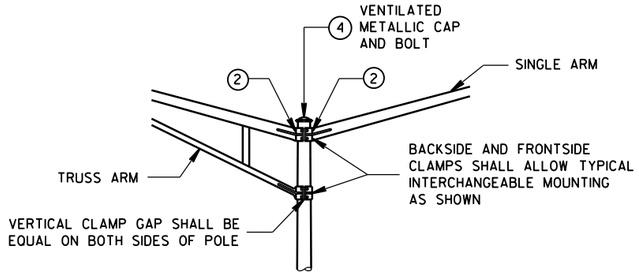
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

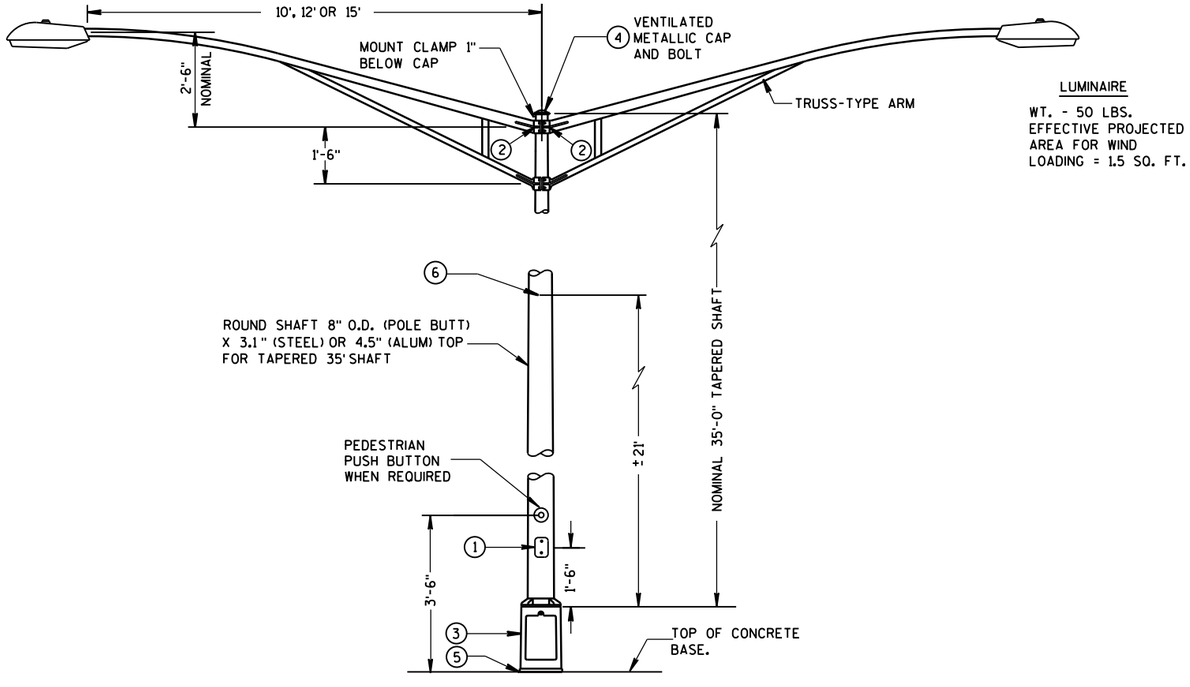
S.D.D. 9 E 1-14c

* RISE FOR 4' ARM SHALL BE 2'-0".





INTERCHANGEABLE MOUNTING DETAIL



TYPE 6 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM ~~TO THE PERTINENT~~ REQUIREMENTS OF THE CONTRACT.

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE EITHER GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES, SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 6 ALUMINUM POLES SHALL HAVE MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

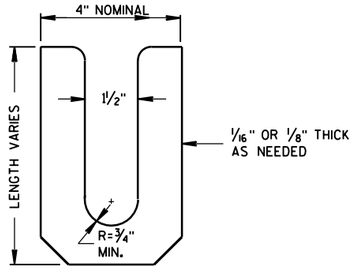
(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

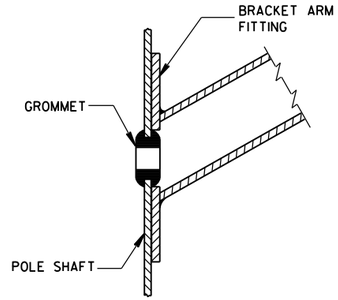
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 650

6
S.D.D. 9 E 1-14e

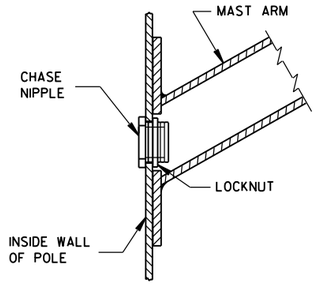


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

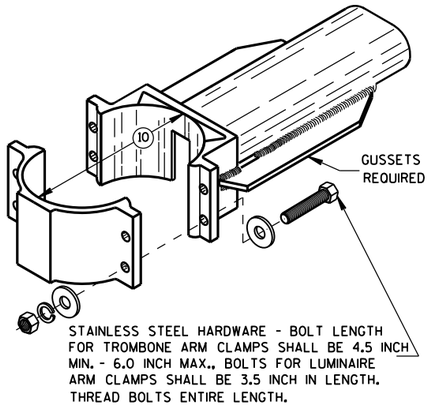
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

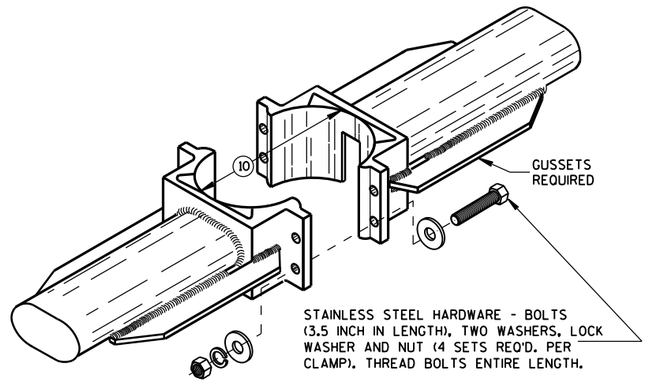
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

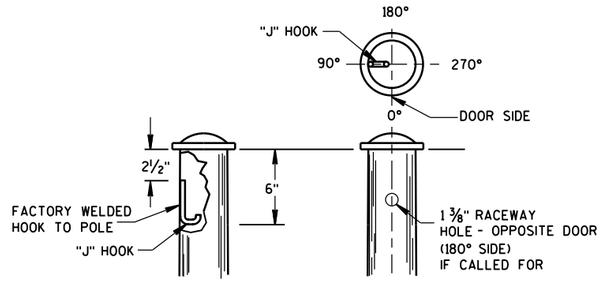
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



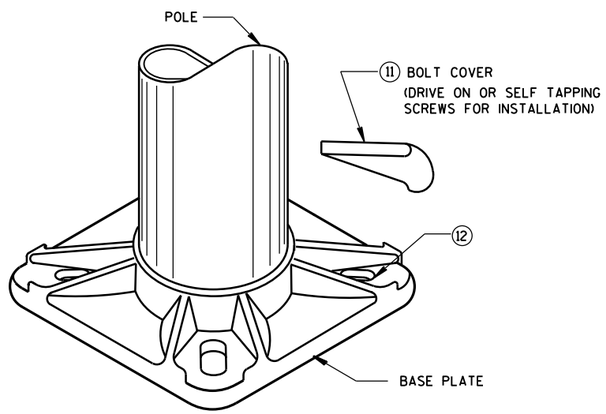
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



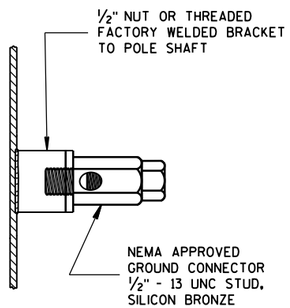
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

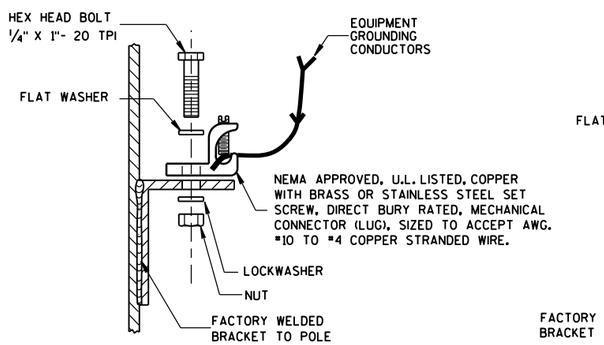


TYPICAL "J" HOOK LOCATION



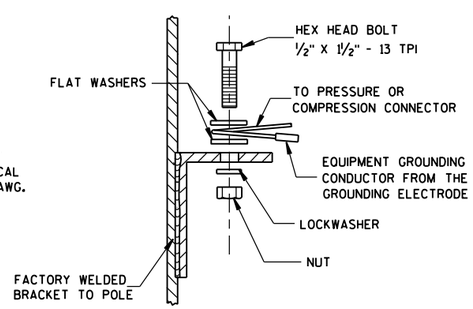
BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 651

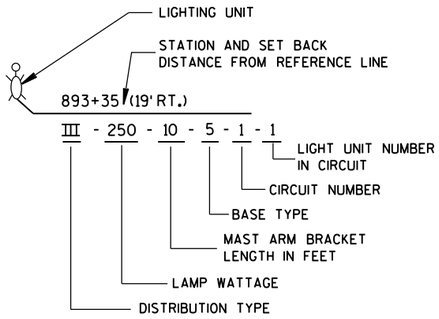
FHWA

6

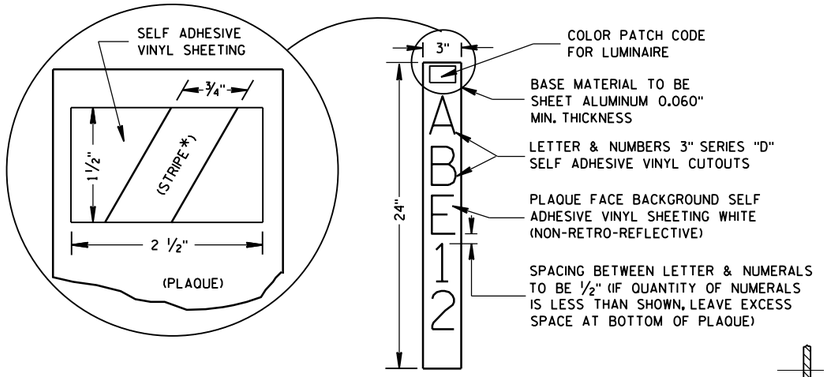
S.D.D. 9 E 1-14g

6

S.D.D. 9 E 1-14g



LIGHTING UNIT CODE
(TYPICAL)



COLOR PATCH CODE FOR LUMINAIRES

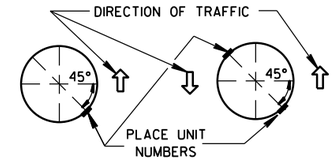
(HIGH PRESSURE SODIUM)

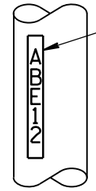
1000 WATT - NO PATCH
400 WATT - ORANGE
310 WATT - BLUE
250 WATT - ORANGE W/WHITE STRIPE*
200 WATT - RED
150 WATT - GREEN
100 WATT - BROWN

(MERCURY VAPOR)

400 WATT - (NO PATCH)
250 WATT - YELLOW

IDENTIFICATION PLAQUE





FASTEN TOP, CENTER AND BOTTOM OF PLAQUE WITH 3 ALUMINUM POP RIVETS (ALUM. POLES) OR STAINLESS STEEL POP RIVETS (STEEL POLES)

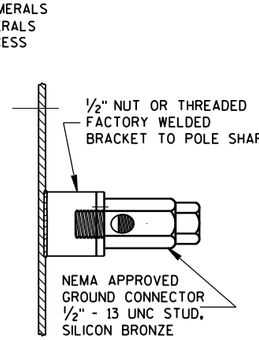
NOTES:

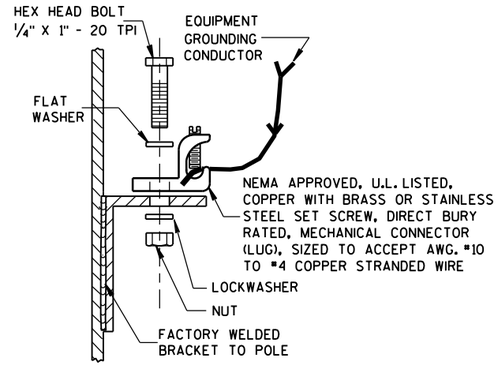
1) PLACE BOTTOM OF UNIT NUMBER PLAQUE 5'-0" ABOVE ELEVATION OF ADJACENT CURB OR SHOULDER.

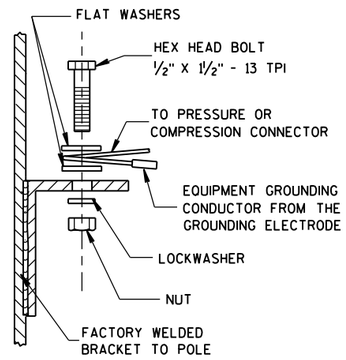
2) UNIT NUMBERS: ONE REQUIRED FOR SINGLE ARM POLES TWO REQUIRED FOR MEDIAN MOUNT POLES.

LIGHTING UNIT IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENT
(TYPICAL ALL LIGHTING UNITS)

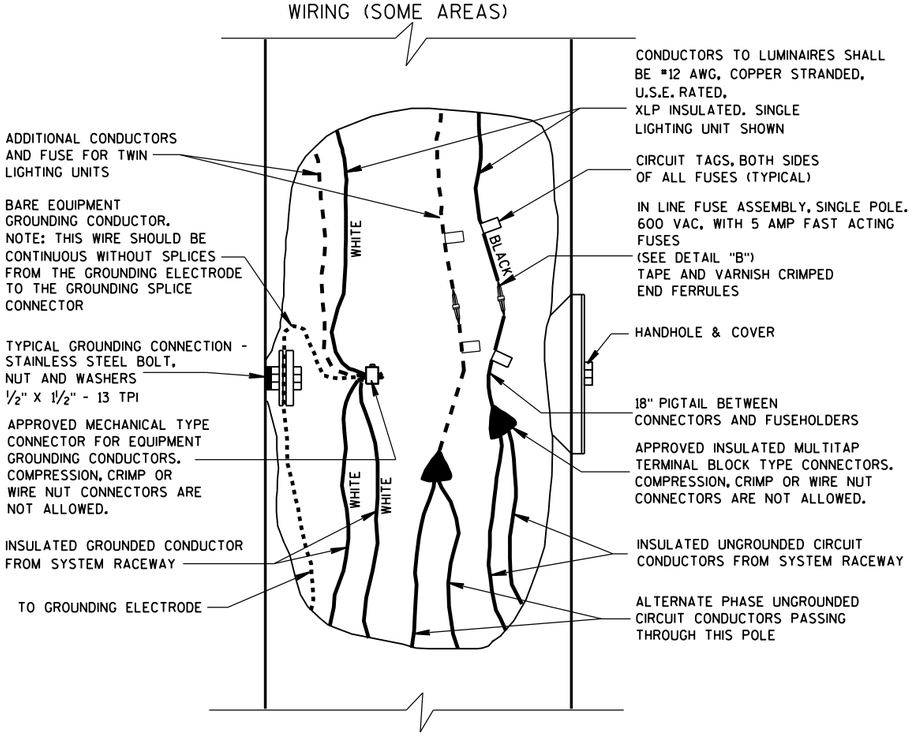
FURNISH PLAQUE WHEN CALLED FOR BY SPECIAL PROVISIONS



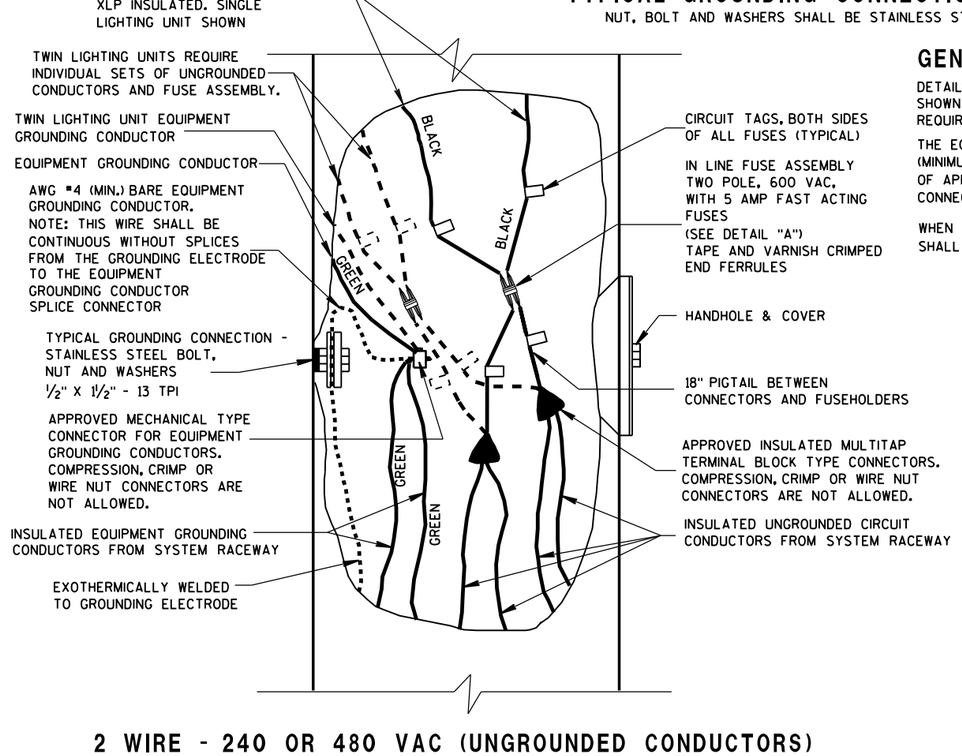




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



2 WIRE - 120, 240 OR 480 VAC TO GROUND



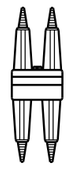
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

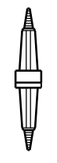
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT

FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

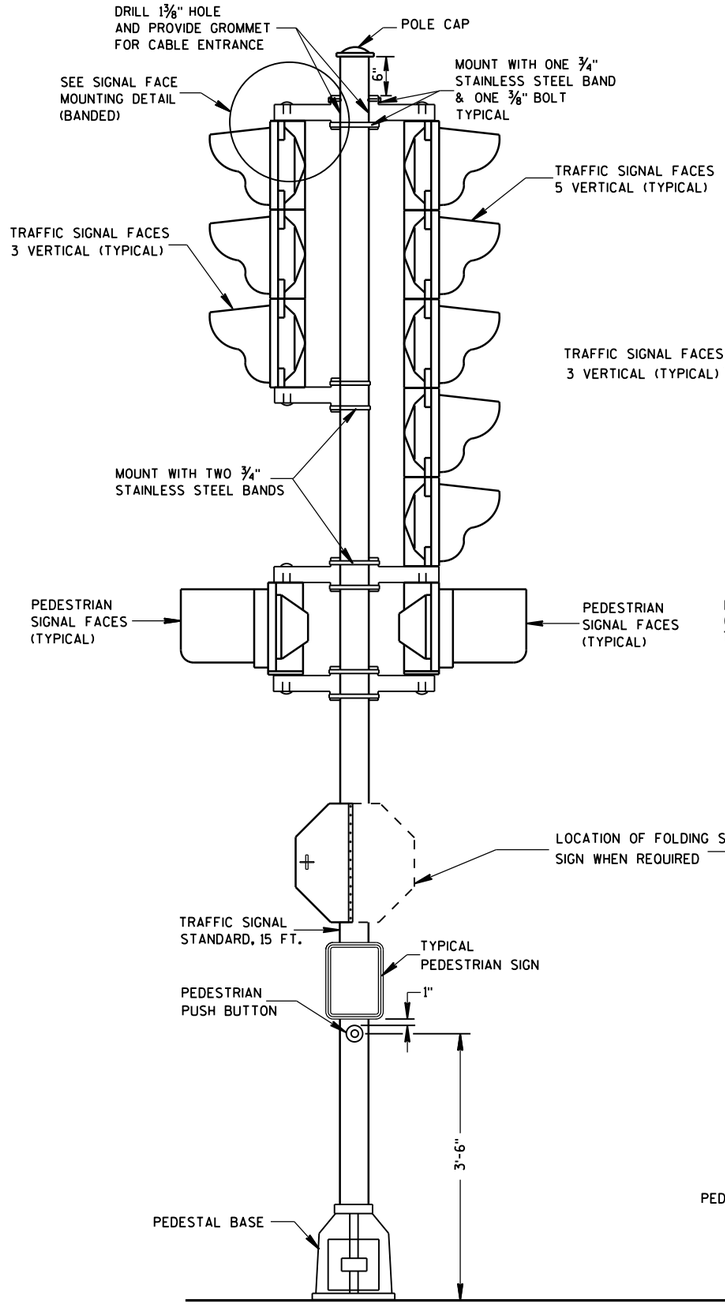
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

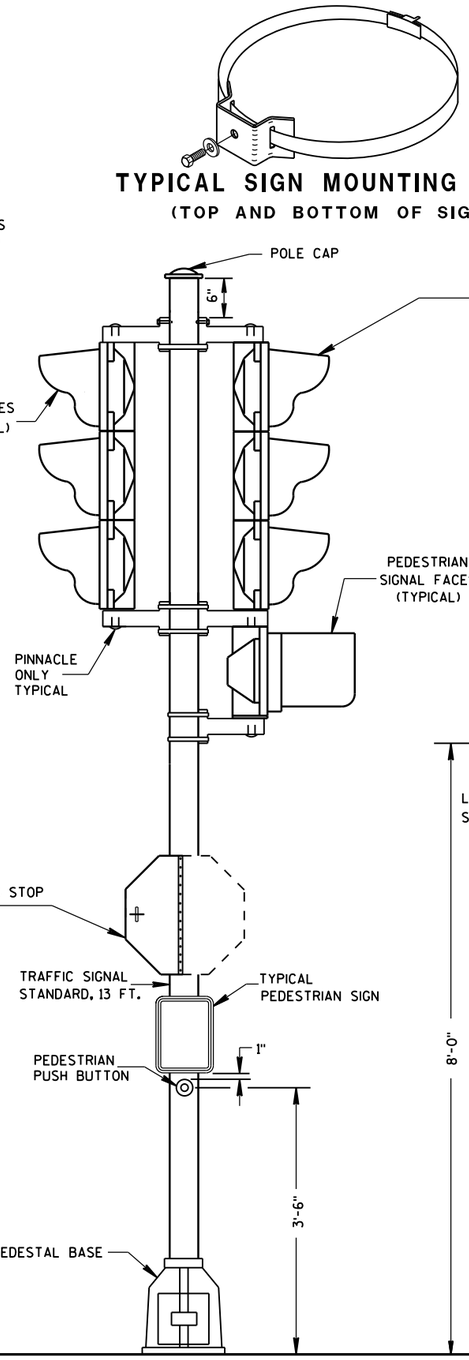
S.D.D. 9 E 2-4

6

S.D.D. 9 E 2-4

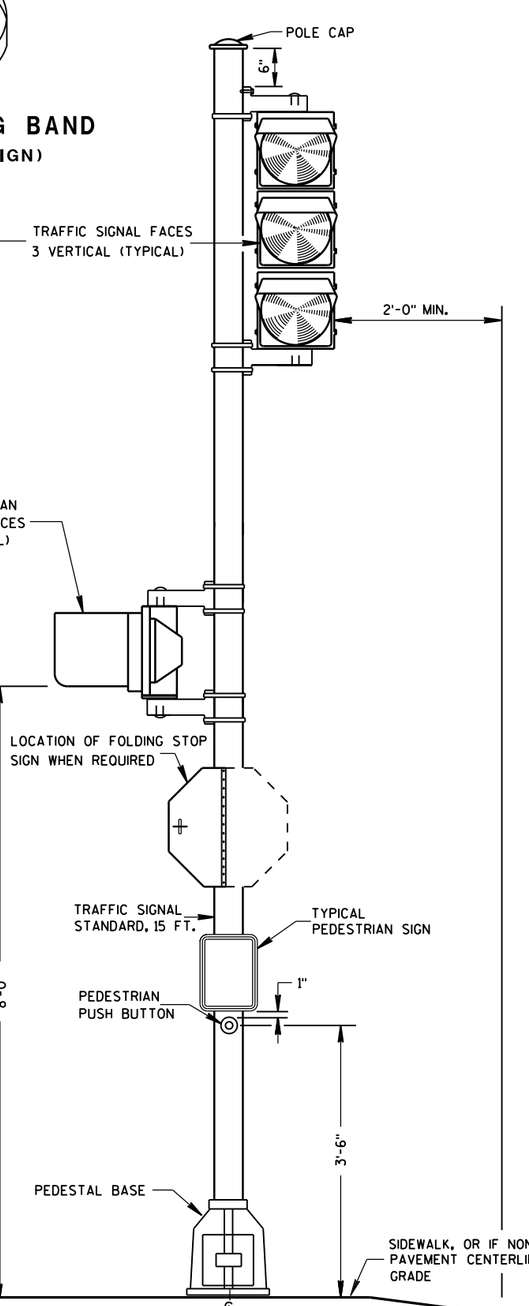


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

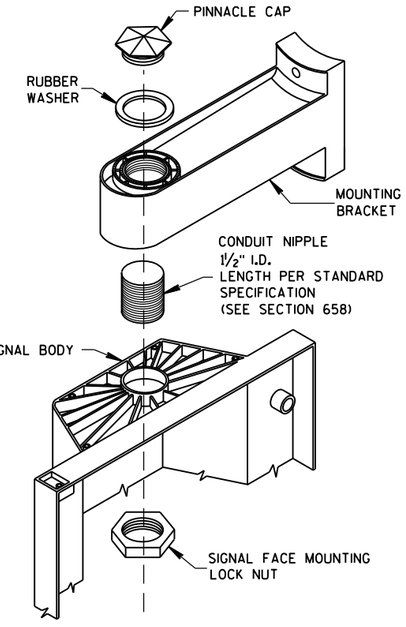
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

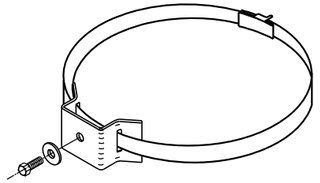
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

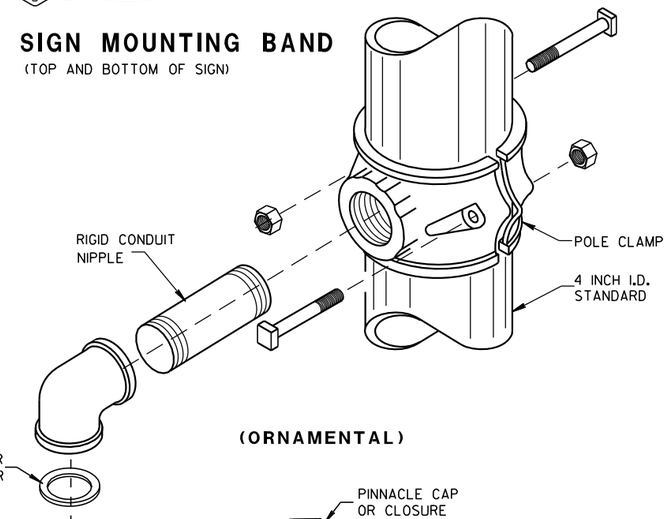
APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

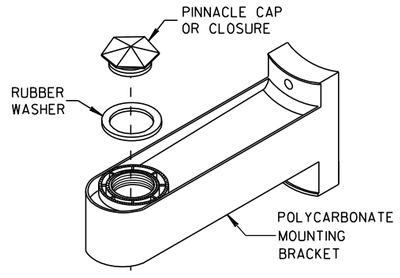
S.D.D. 9 E 6-5



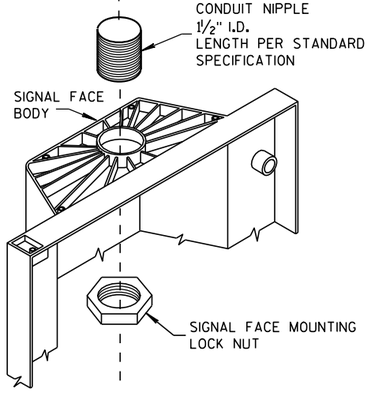
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



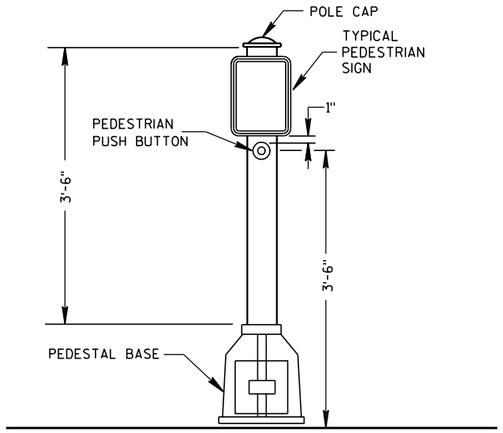
(ORNAMENTAL)



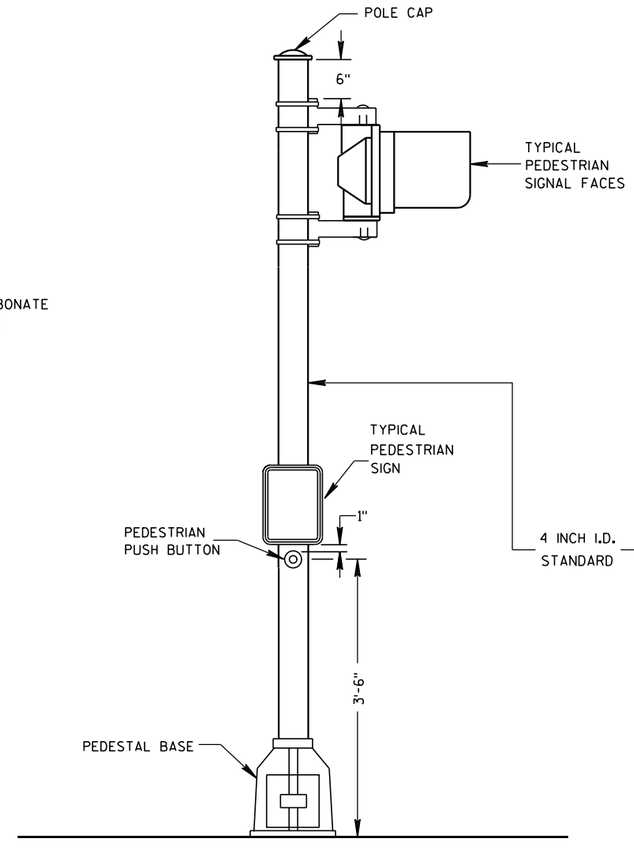
(BANDED)



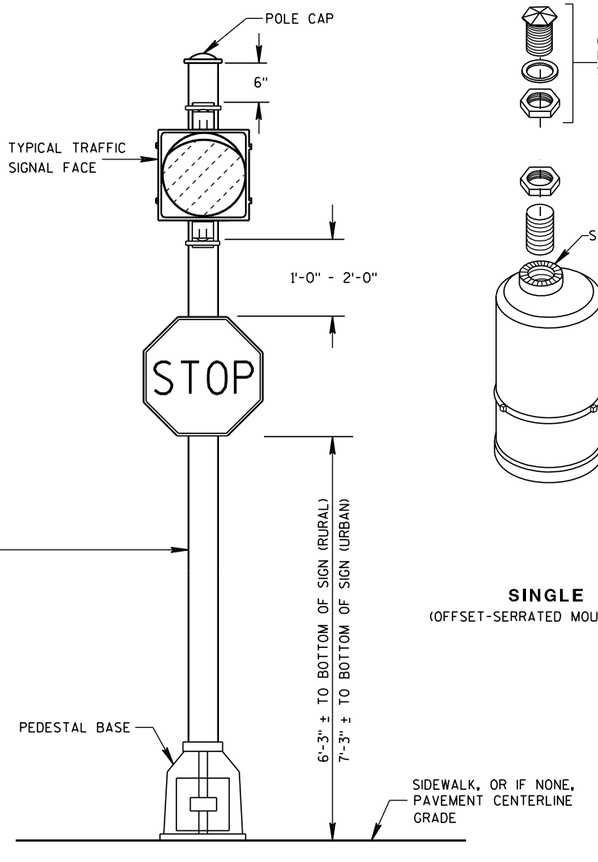
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

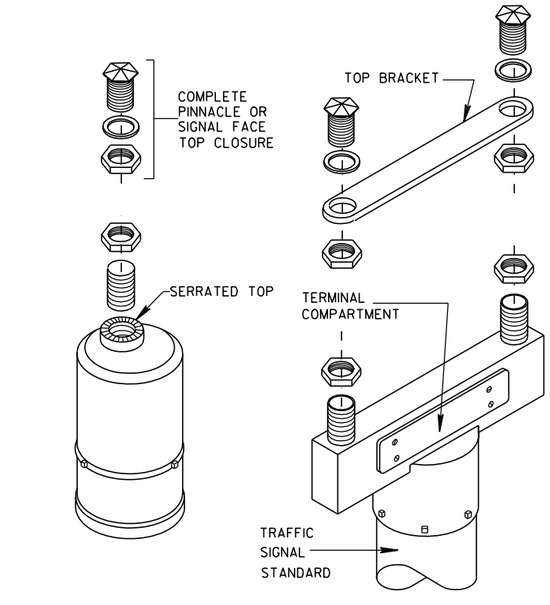
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL ENGI 654

HWYS

FHWA

6

S.D.D. 9 E 7-5

6

S.D.D. 9 E 7-5

LUMINAIRE
WT. - 50 LBS.
EPA FOR WIND
LOADING 1.5 SQ. FT.

15' MAXIMUM

STEEL SINGLE
MEMBER
LUMINAIRE ARM

FIXED ARM
ATTACHMENT

CLAMP ARM
ATTACHMENT
OPTION FOR
VIDEO DETECTION
UNIT IF NEEDED

30'-0" MAX.

8'-0" *

15'-0" MAX.

SEE ARM
CONNECTION
DETAIL

SIGN
18" X 108"

**

25'-6" MAXIMUM MOUNTING HEIGHT

17'-6" MINIMUM
MOUNTING HEIGHT

ROADWAY
PAVEMENT

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

R4-7
24" x 30"

POLE: (.14"/FT. TAPER)
1 PIECE (NO WELDED
POLE SECTIONS)
POLE BUTT DIA. = 11.50"

PEDESTRIAN
PUSH BUTTON

TYPICAL
PEDESTRIAN
SIGN

ANCHOR RODS:
FY=55 KSI
ASTM F1554 GR 55
ROD CIRCLE = 15"
ANCHOR ROD DIAM. 1½"
GALVANIZED. (6 ANCHOR
RODS)

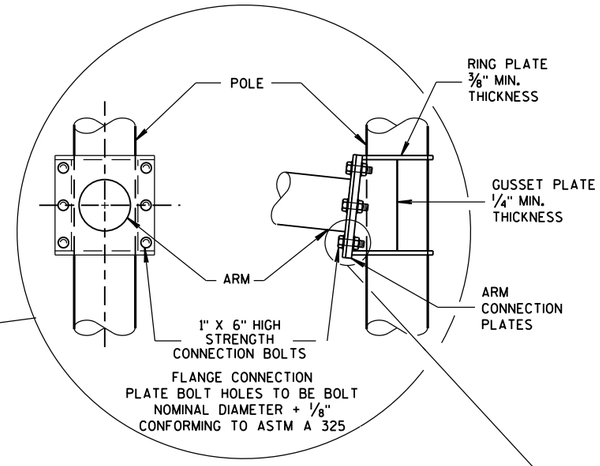
3'-6"

10'-0"

19'-0"

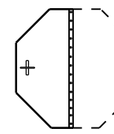
30'-0" NOMINAL

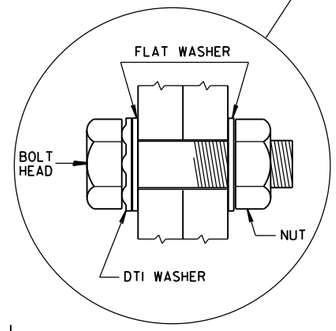
MAXIMUM
BASE PLATE
THICKNESS = 2½"



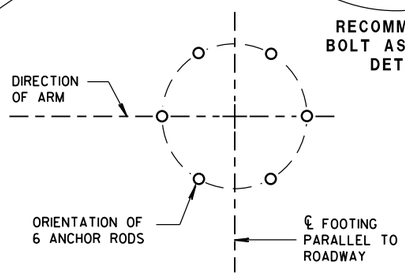
FLANGE CONNECTION
PLATE BOLT HOLES TO BE BOLT
NOMINAL DIAMETER + ⅛"
CONFORMING TO ASTM A 325

6 BOLT ARM CONNECTION DETAIL





RECOMMENDED
BOLT ASSEMBLY
DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

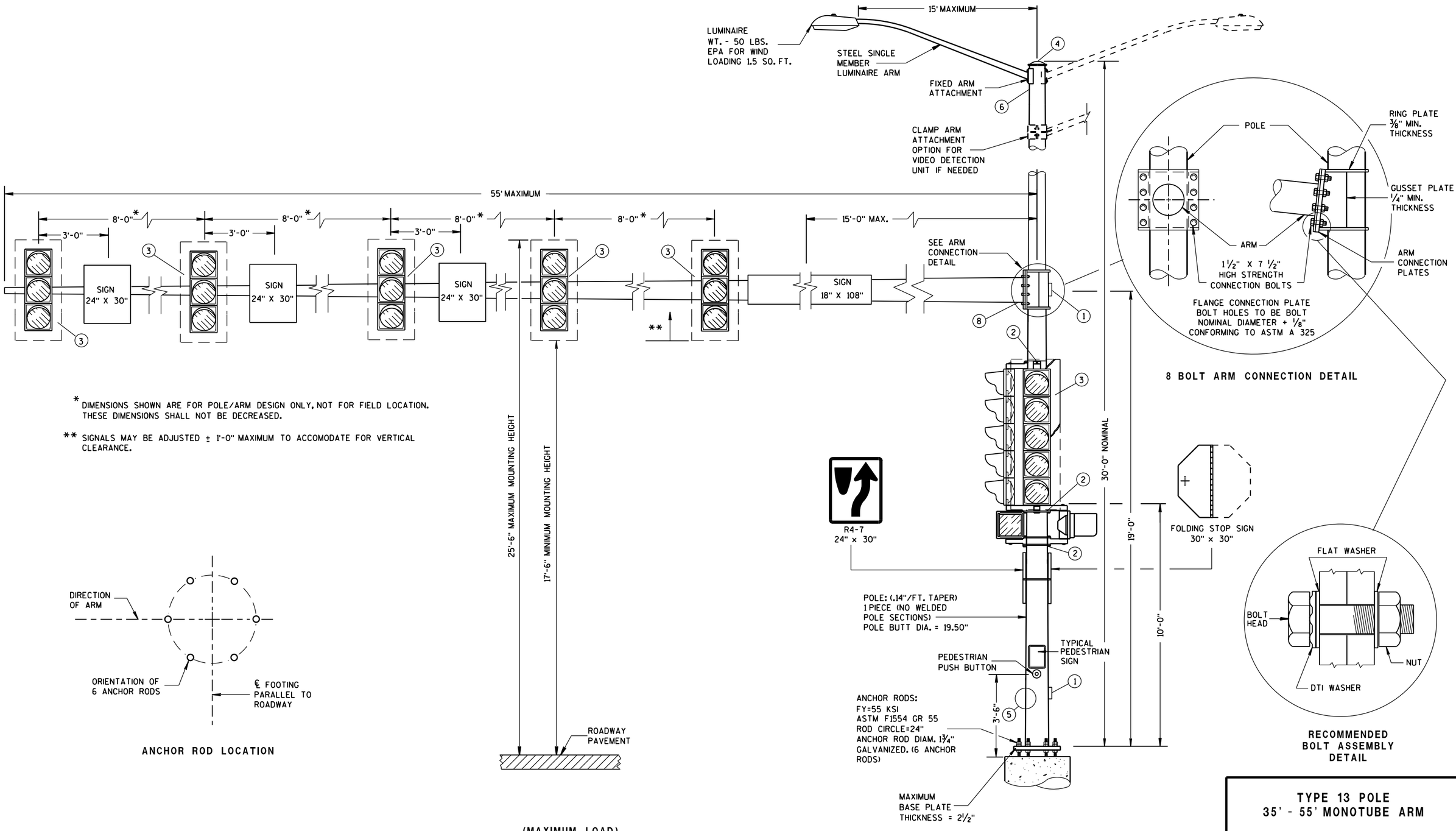
TYPE 10 POLE
15'- 30' MONOTUBE ARM

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 655
FHWA

6
S.D.D. 9 E 8-7b



* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

8 BOLT ARM CONNECTION DETAIL

RECOMMENDED
BOLT ASSEMBLY
DETAIL

ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 13 POLE 35'- 55' MONOTUBE ARM

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 656

FHWA

6

S.D.D. 9 E 8-7d

6

S.D.D. 9 E 8-7d

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

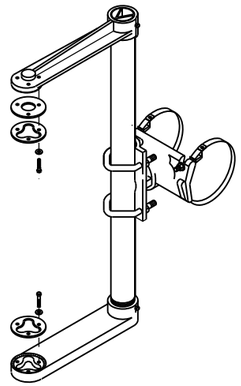
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

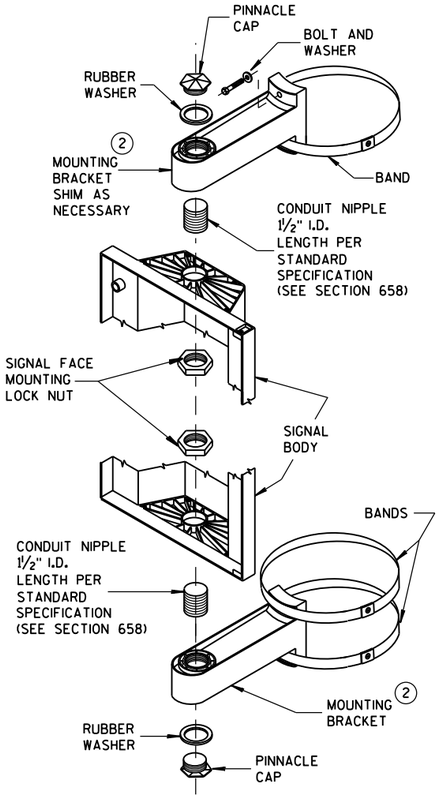
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

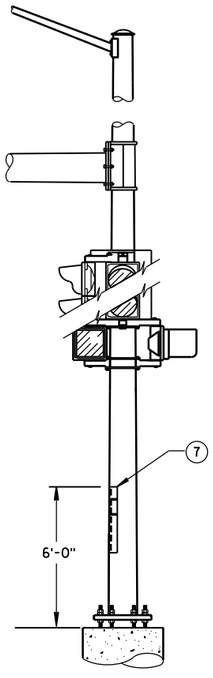


SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

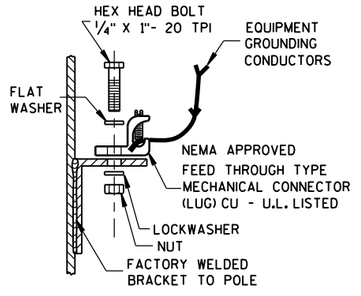
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE VERTICAL MOUNTING DETAIL

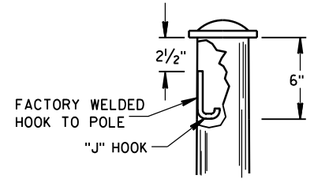


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

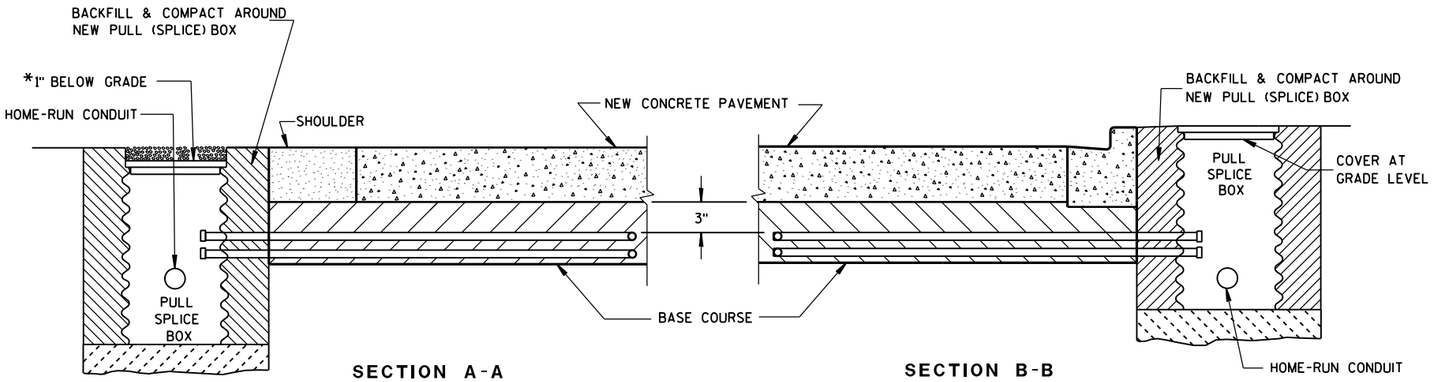
GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 657
FHWA

6

S.D.D. 9 E 8-7e



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

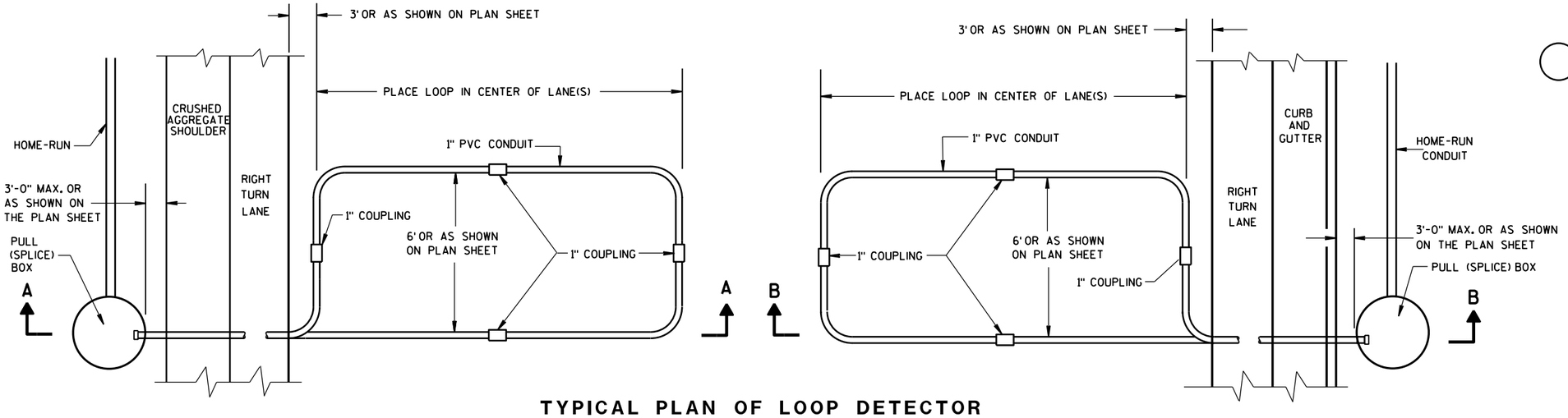
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

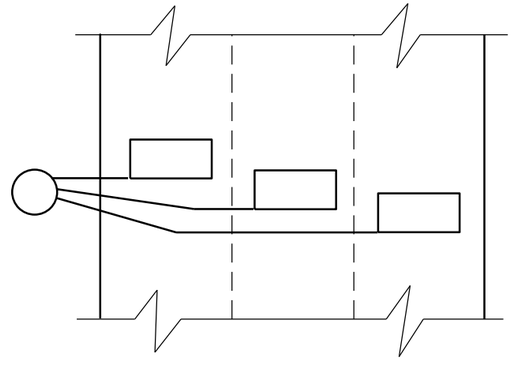
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

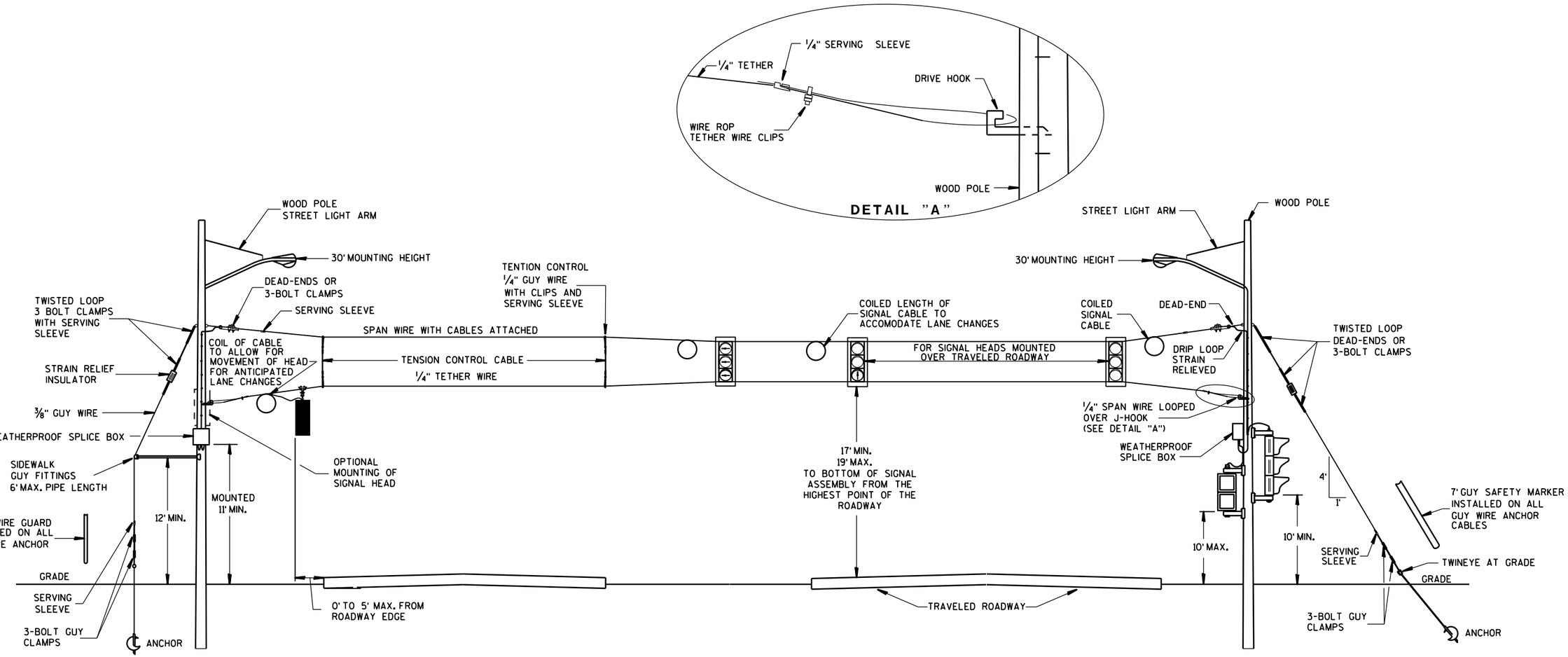
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 658
FHWA

6

S.D.D. 9 F 15-4b

6

S.D.D. 9 F 15-4b



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

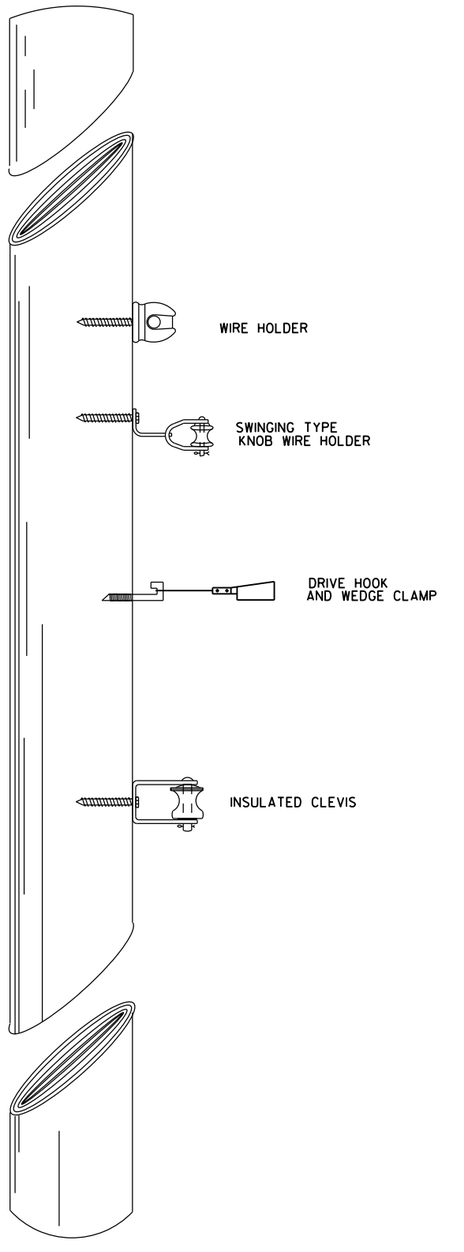
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 659
FHWA

6

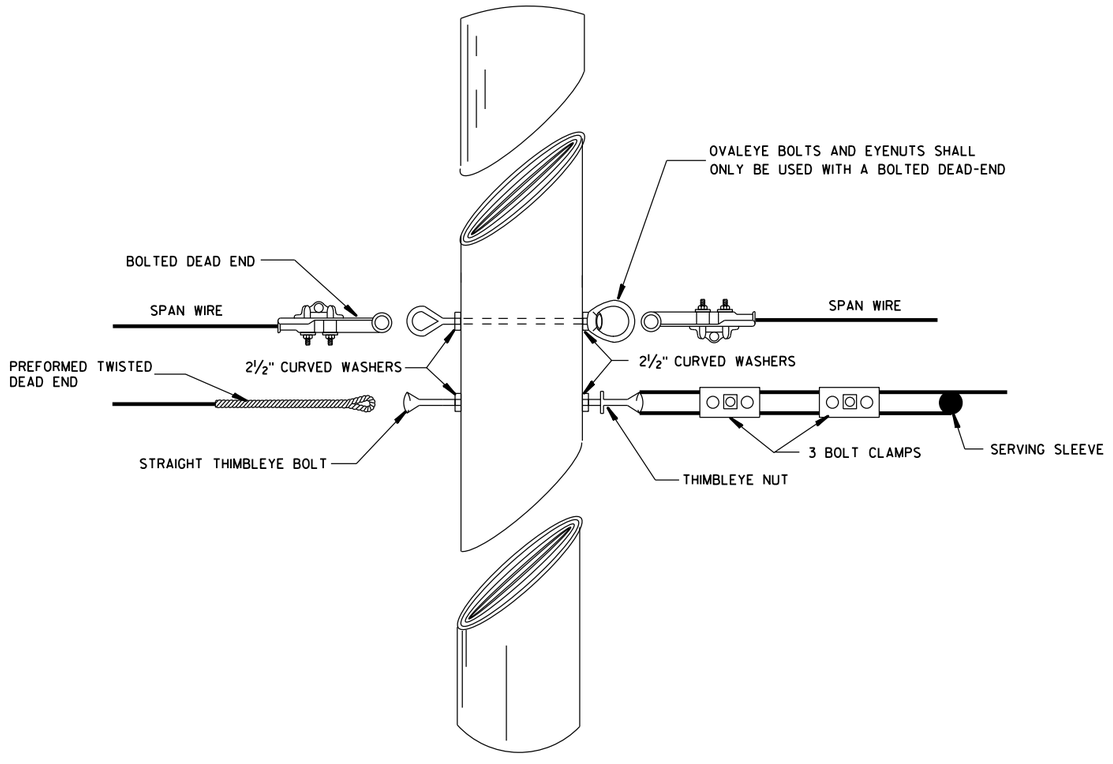
S.D.D. 9 G 1-4b

6

S.D.D. 9 G 1-4b



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 660
FHWA

6

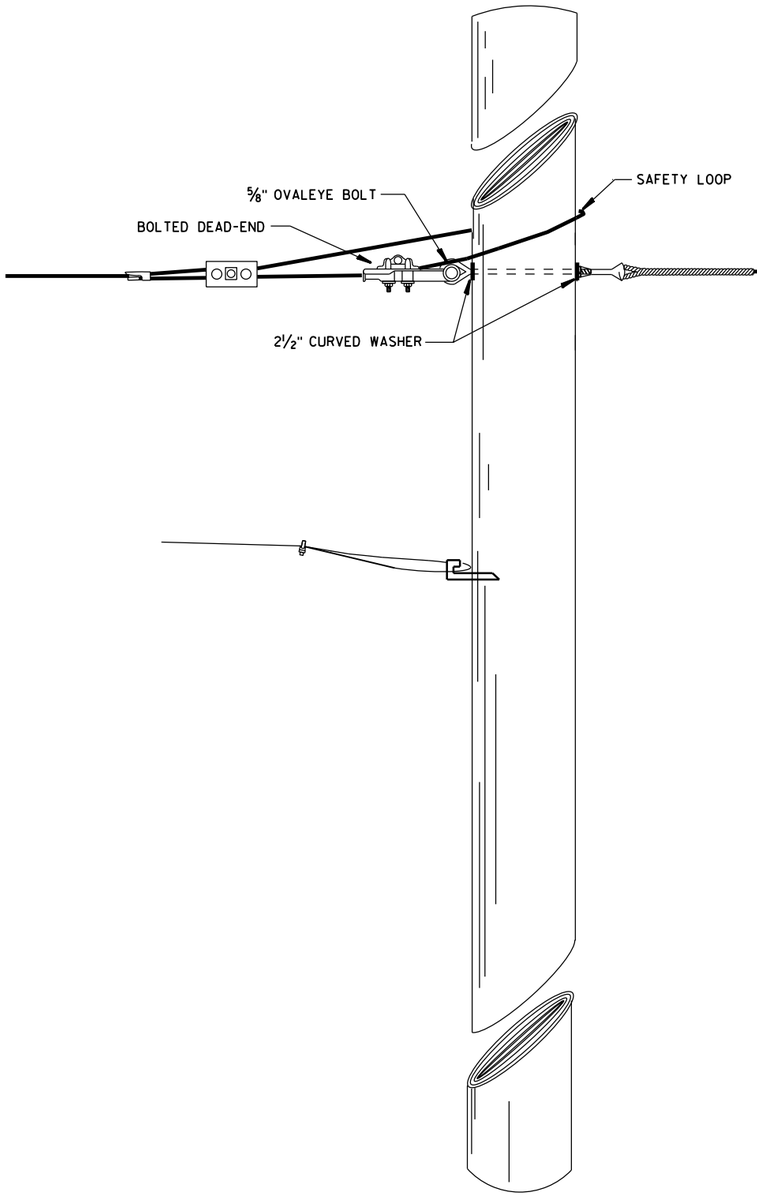
S.D.D. 9 G 1-4d

6

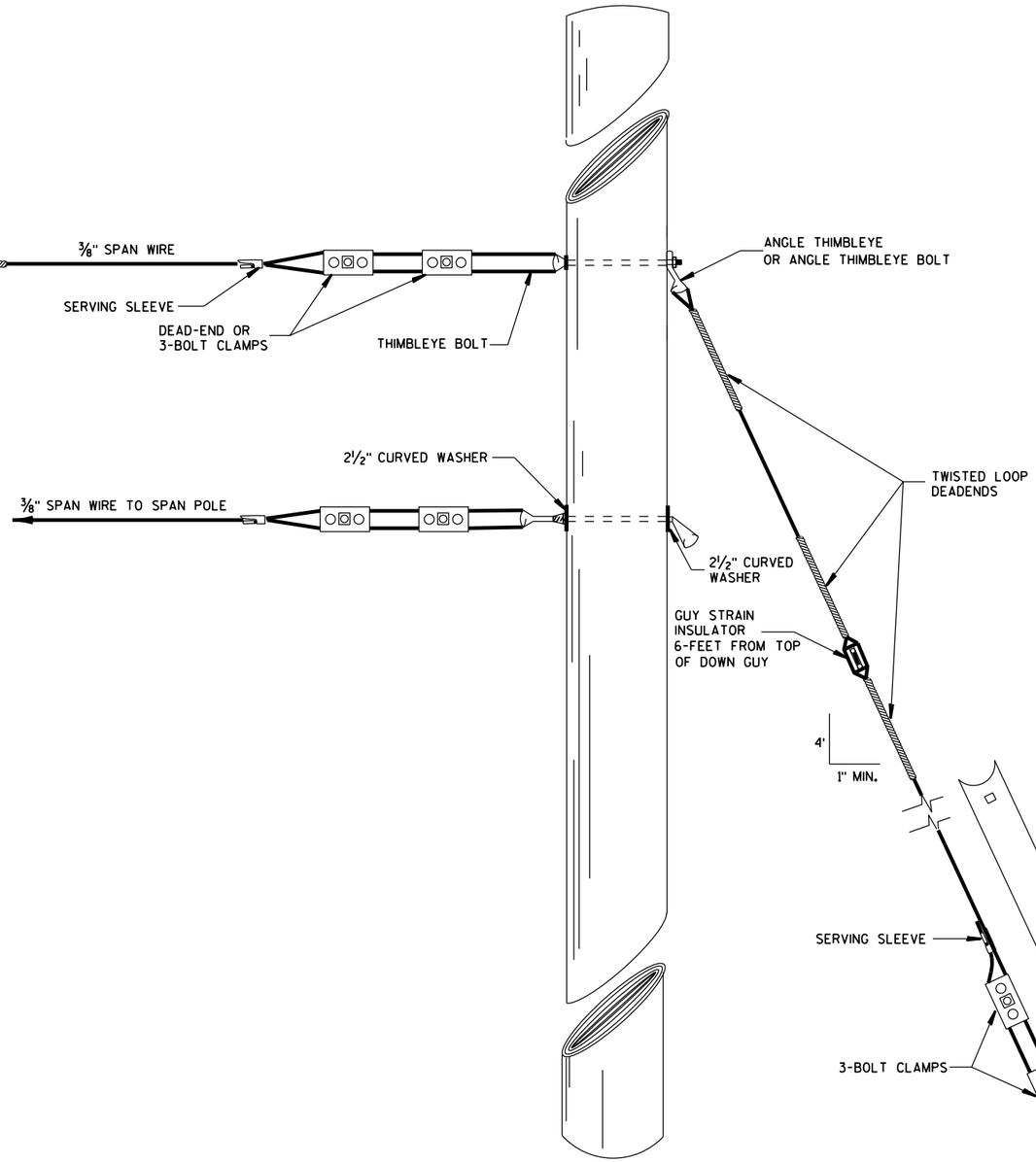
S.D.D. 9 G 1-4d

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

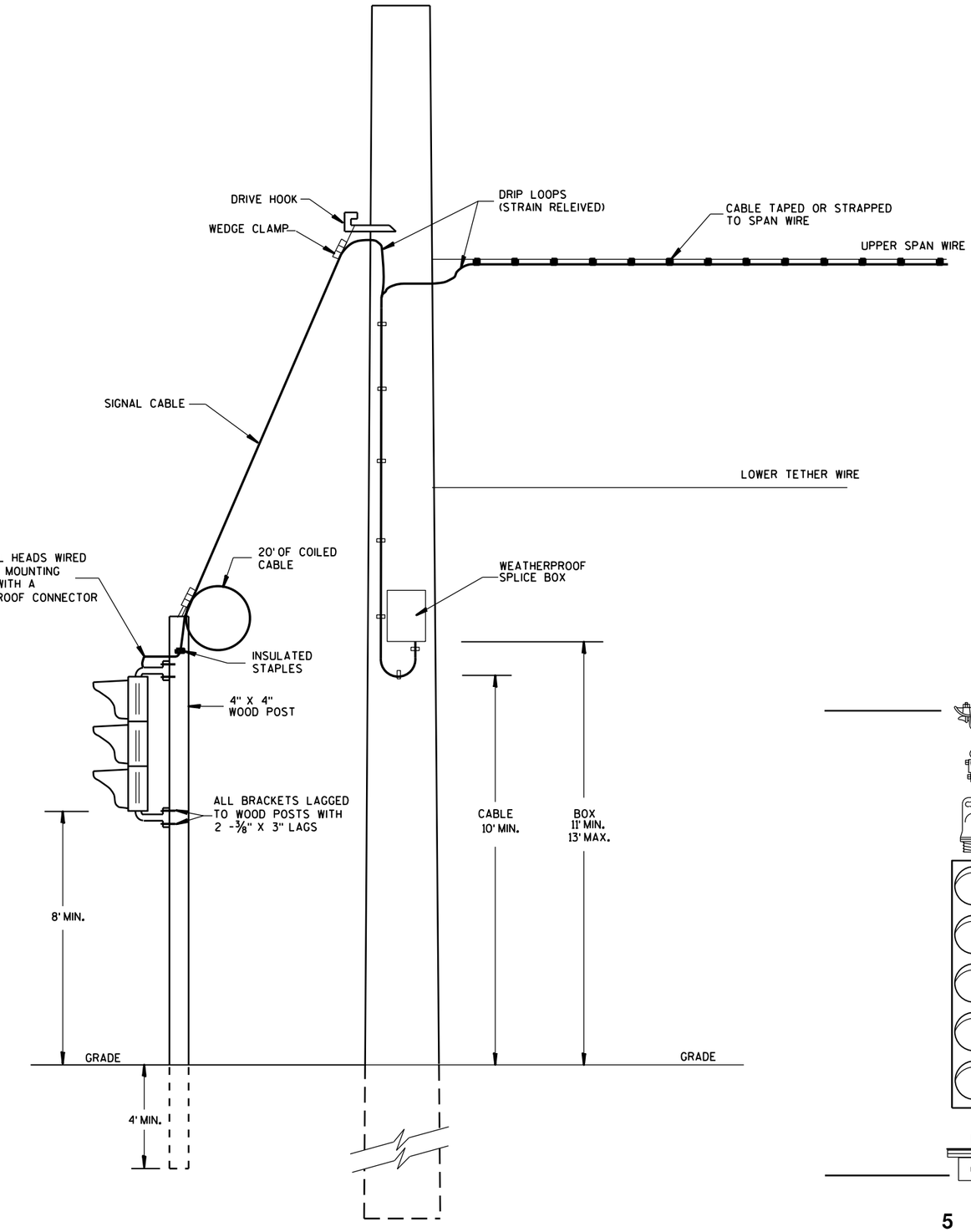
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

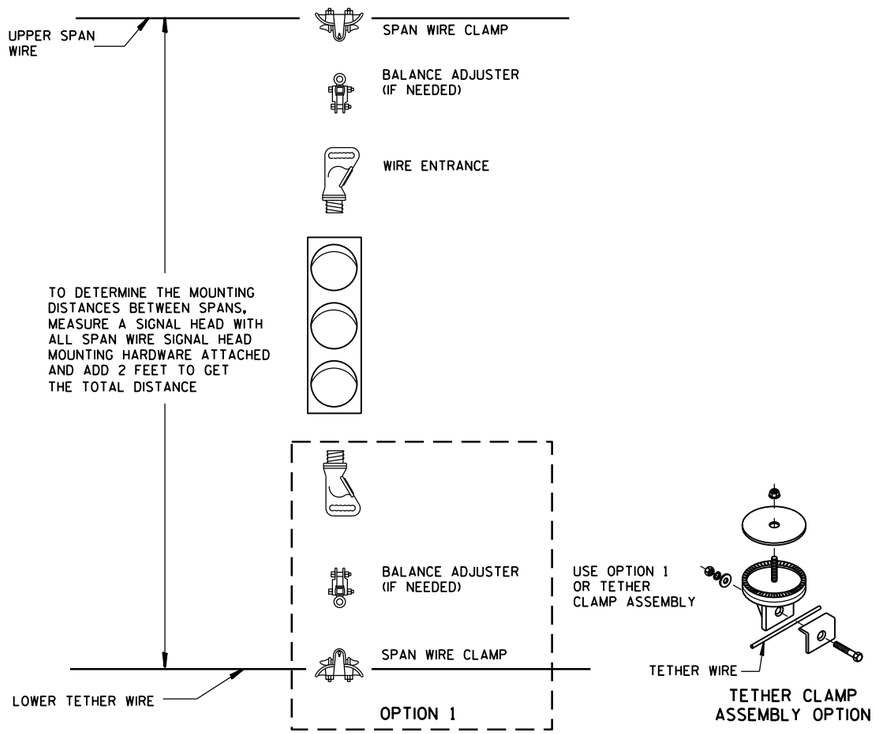
6

S.D.D. 9 G 1-4e

S.D.D. 9 G 1-4e

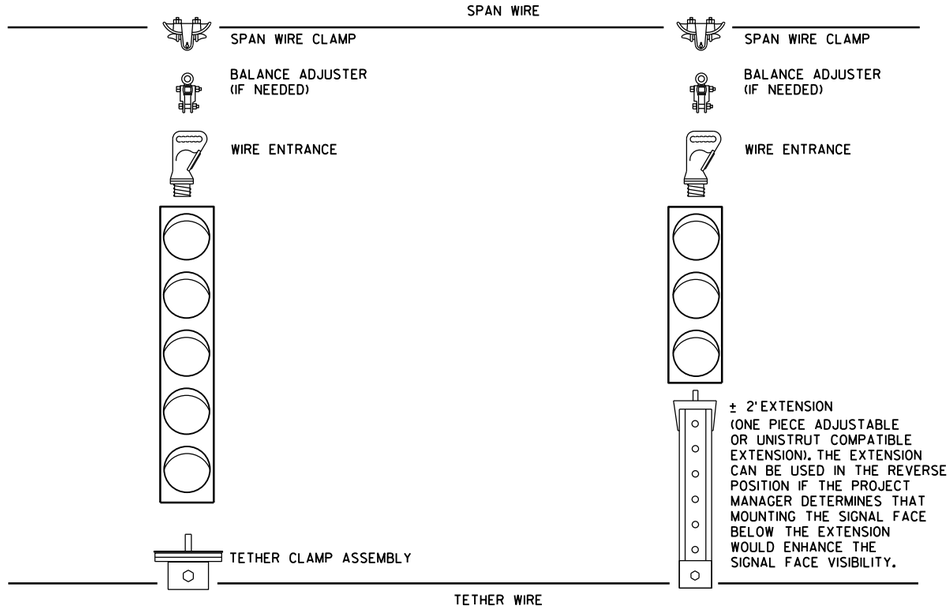


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 662

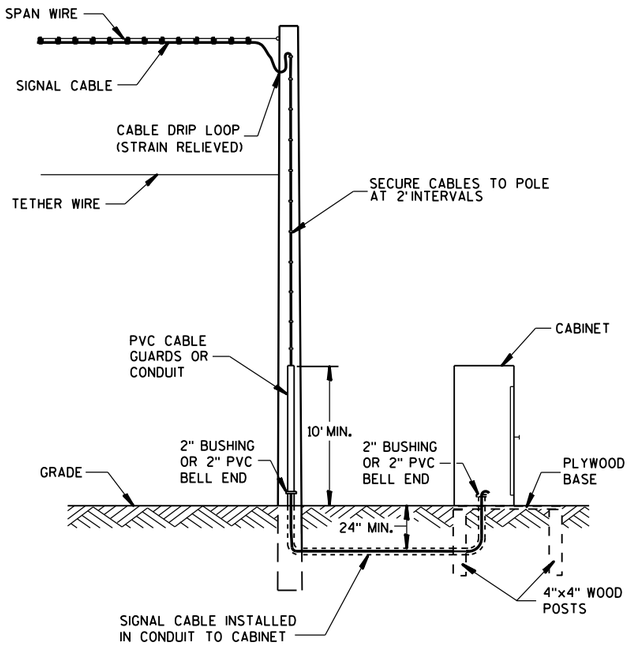
FHWA

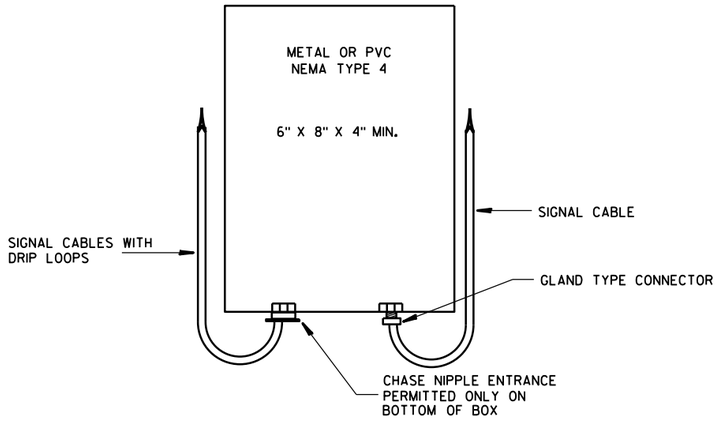
6

S.D.D. 9 G 1-4f

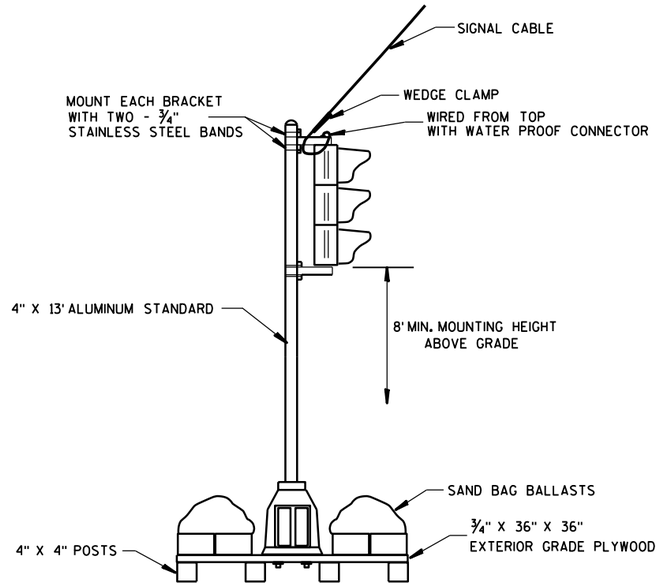
6

S.D.D. 9 G 1-4f

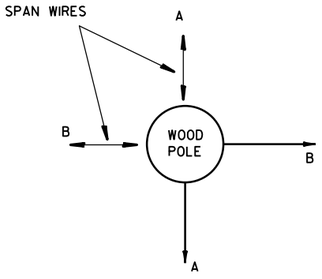




SPLICE BOX

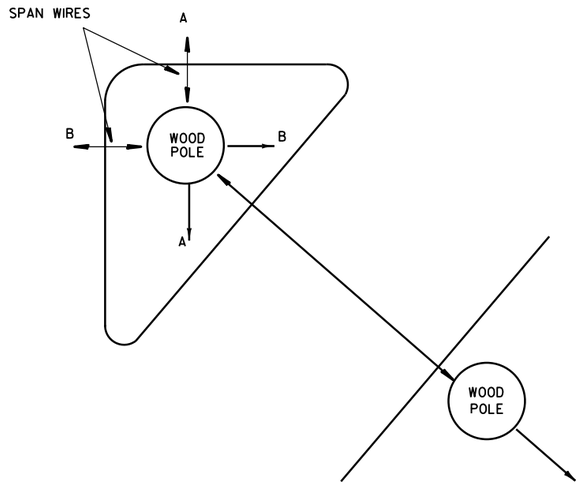


TYPICAL SKID TYPE TEMPORARY

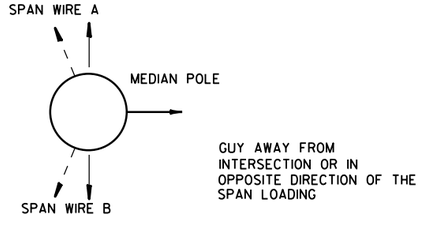


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF THE
SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

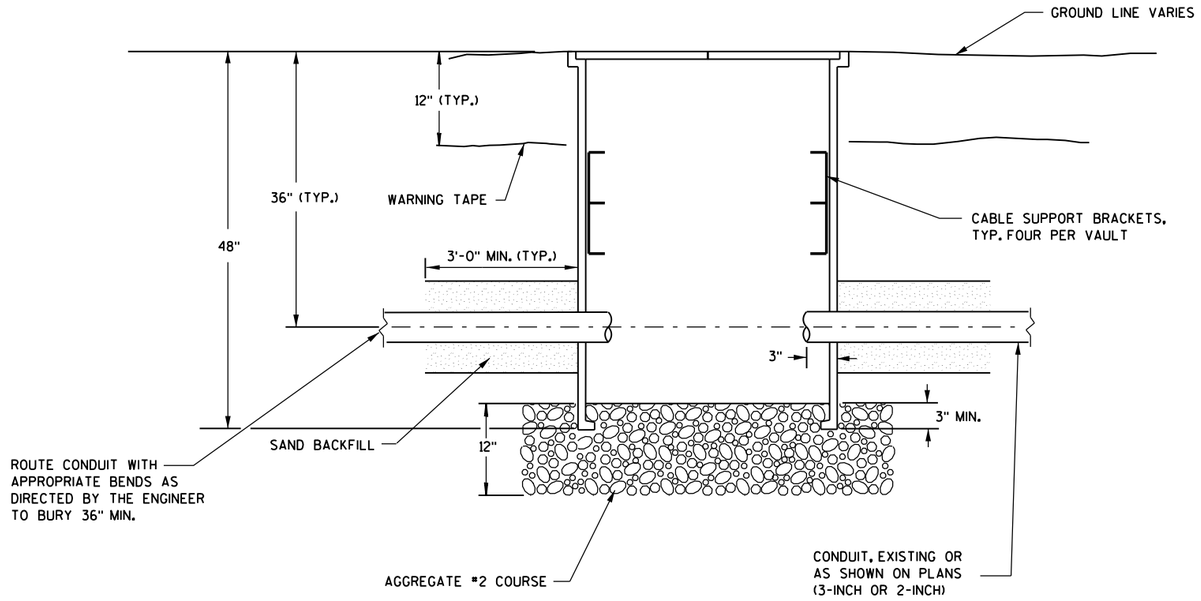
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

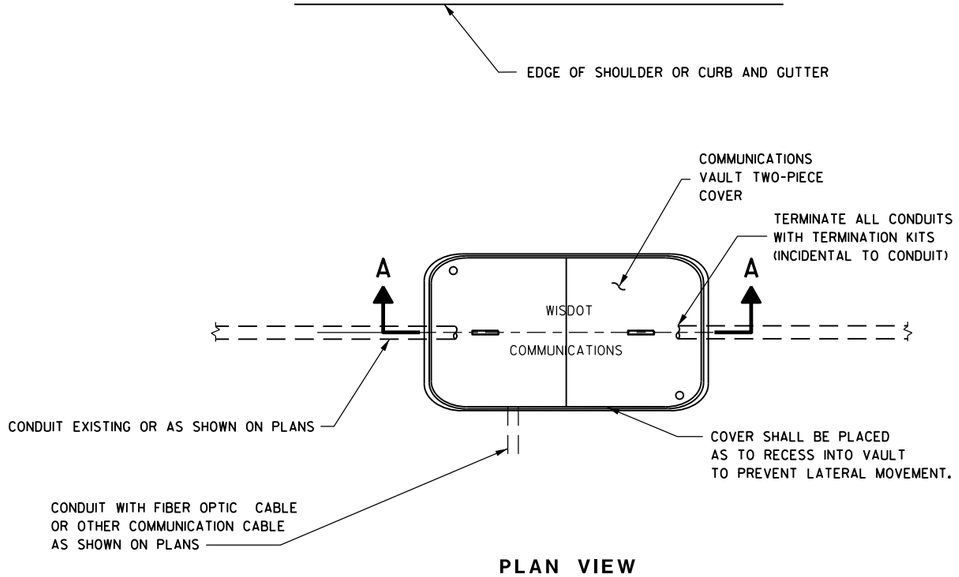
S.D.D. 9 G 1-4g

6

S.D.D. 9 G 1-4g



SECTION A-A



PLAN VIEW

COMMUNICATIONS VAULT

GENERAL NOTES

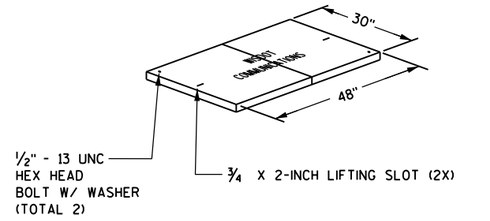
BOX SHALL HAVE AN OPEN BASE.

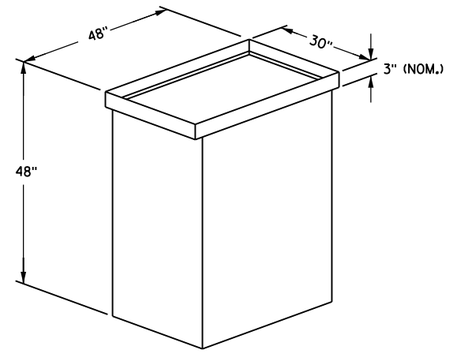
COVER SHALL BE DETECTABLE, AND HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.





ISOMETRIC VIEW

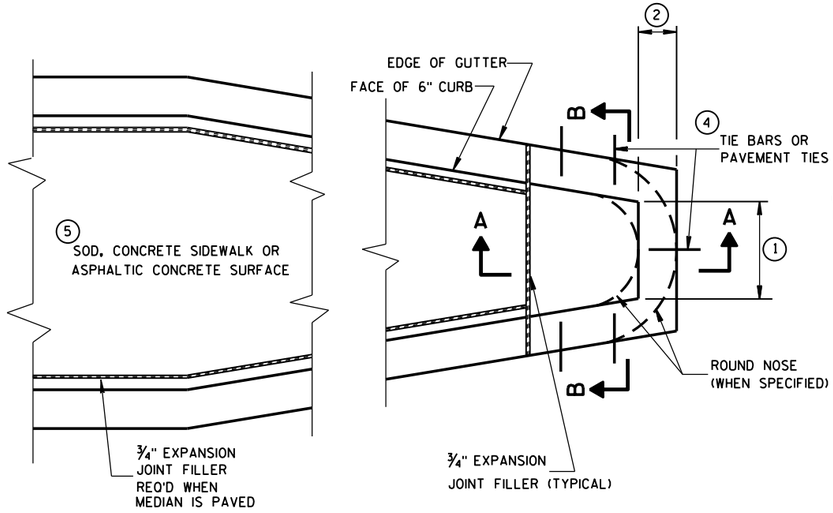
COMMUNICATION VAULT
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

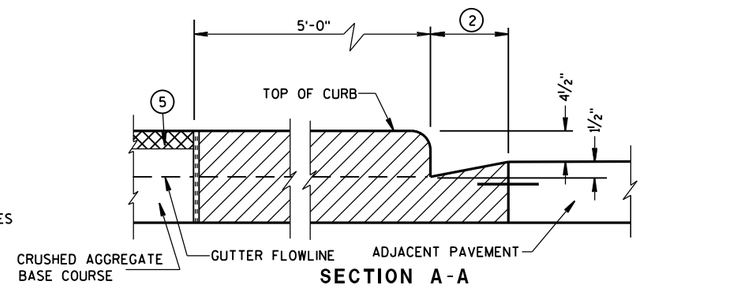
6

S.D.D. 9 H 9-1

6

S.D.D. 9 H 9-1





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

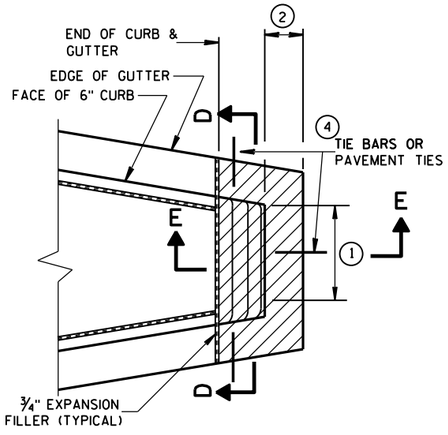
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

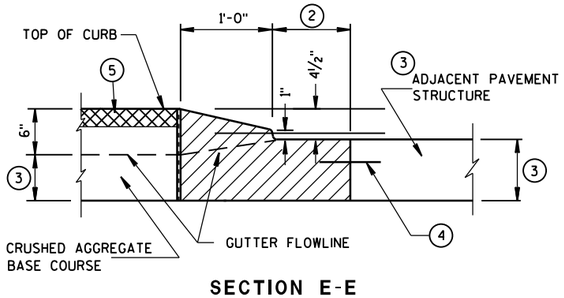
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

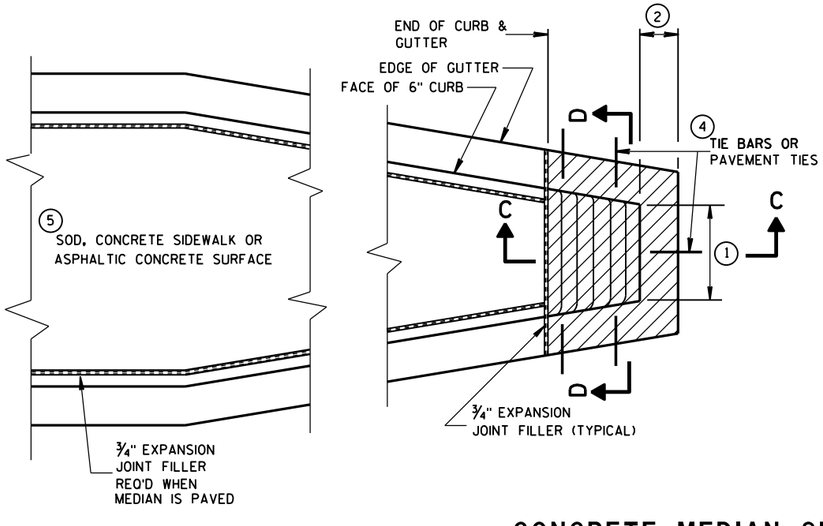
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

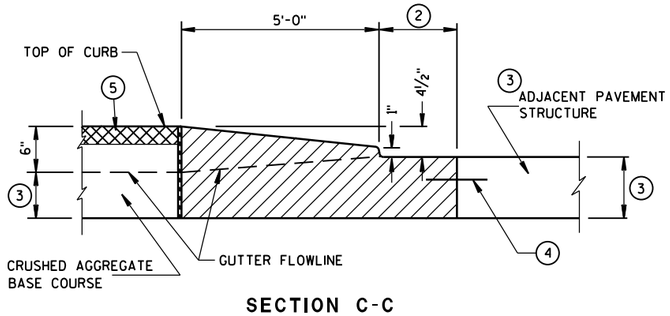




SECTION E-E

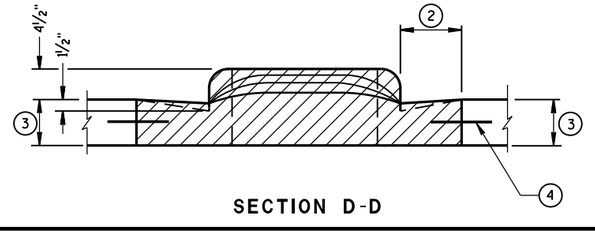
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

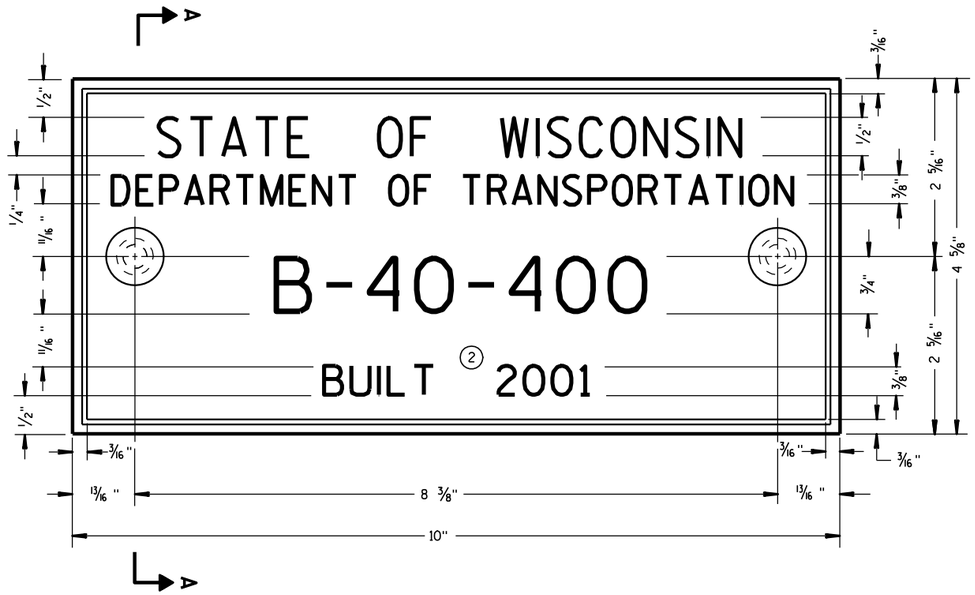
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

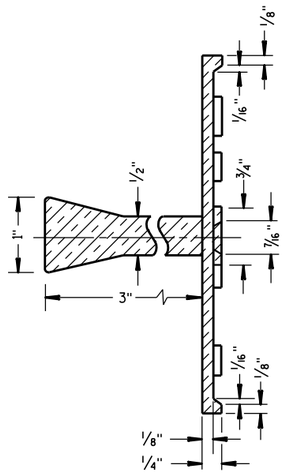
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

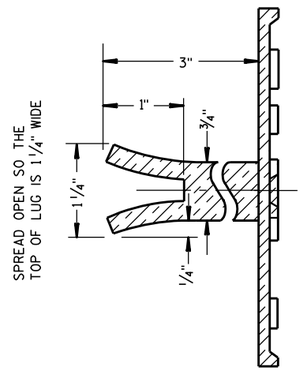
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

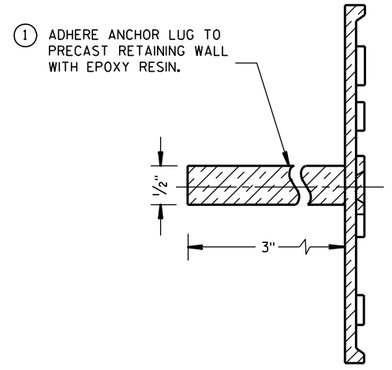
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

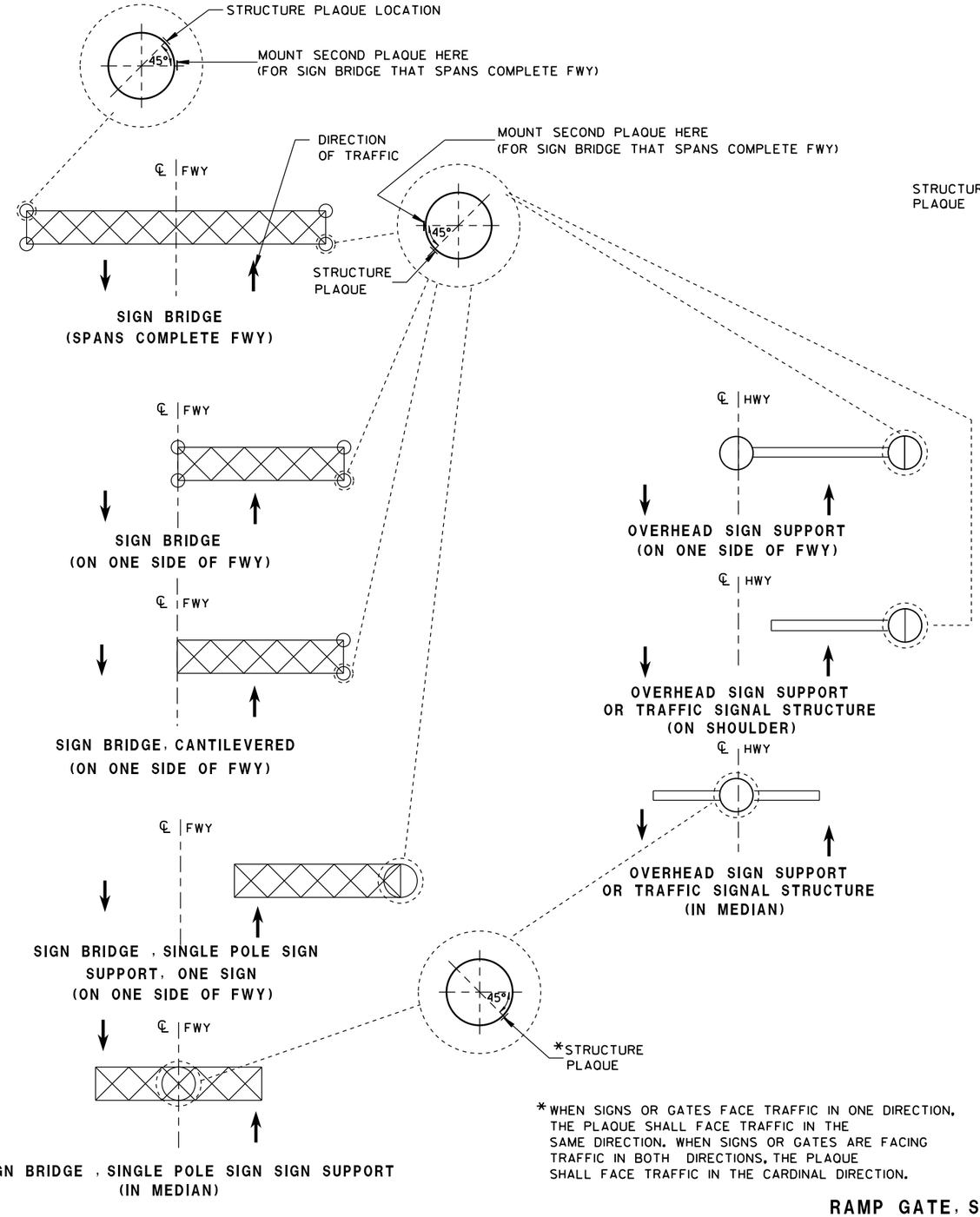
3/26/10 DATE

/S/ Scot Beck CHIEF STRUCTURAL DEVELOPMENT ENGINEER

FHWA

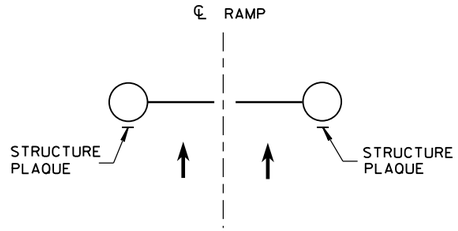
6

S.D.D. 12 A 3-10

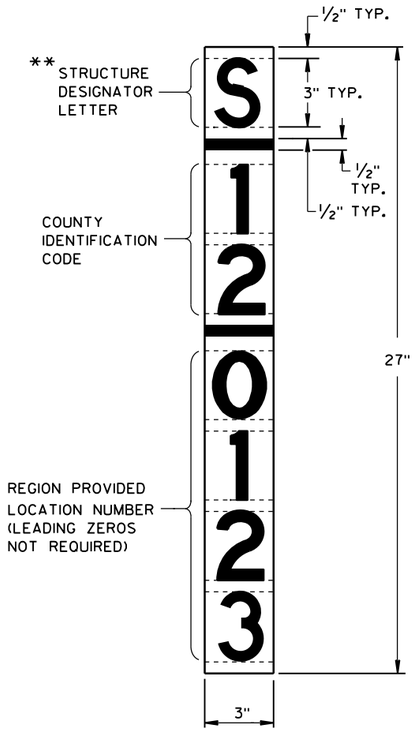


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

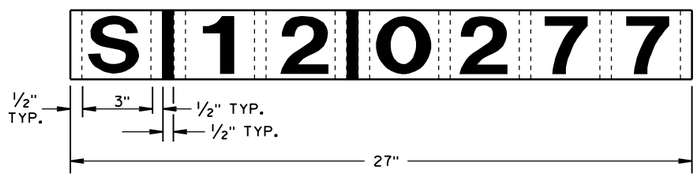
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

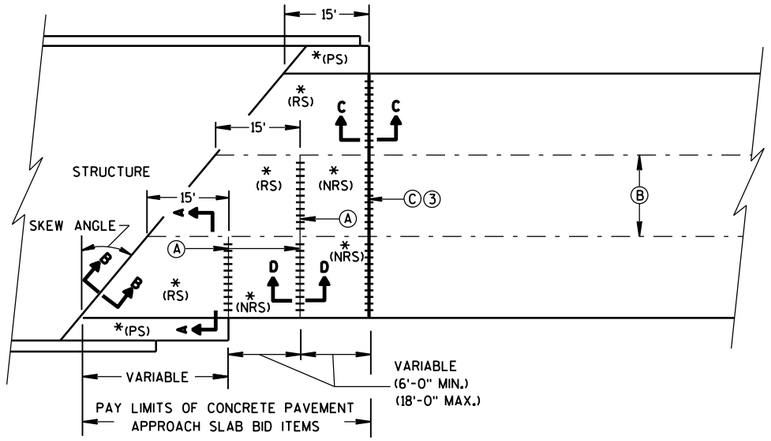
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

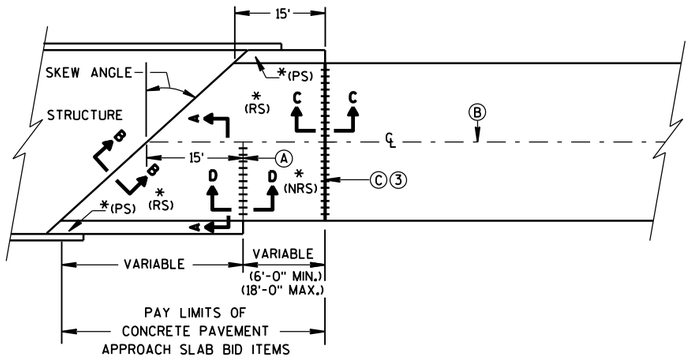
S.D.D. 12 A 4-3

6

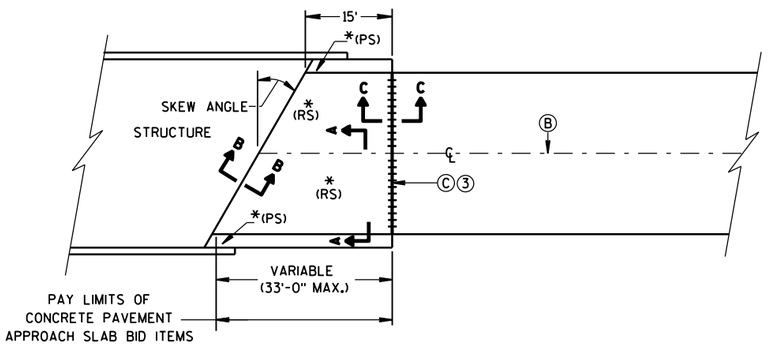
S.D.D. 12 A 4-3



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



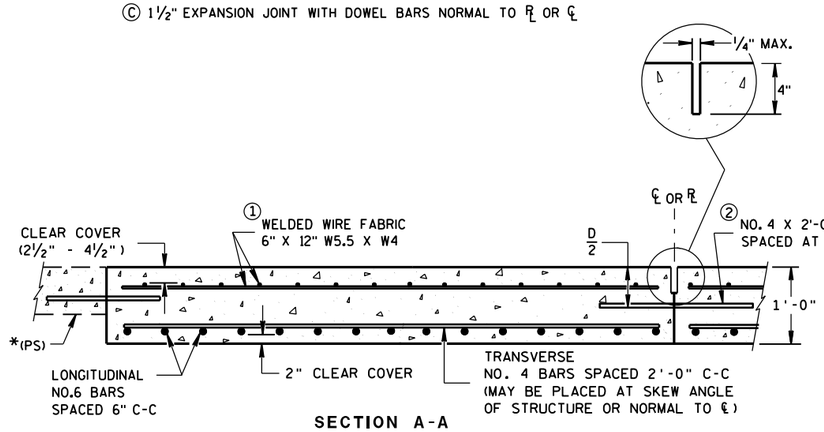
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

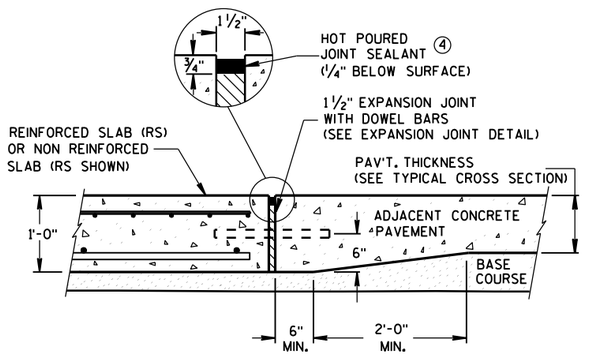
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

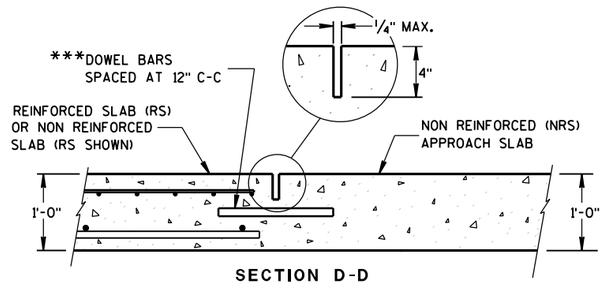
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

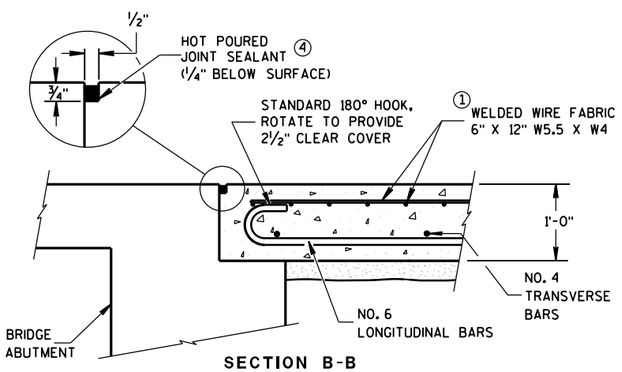
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

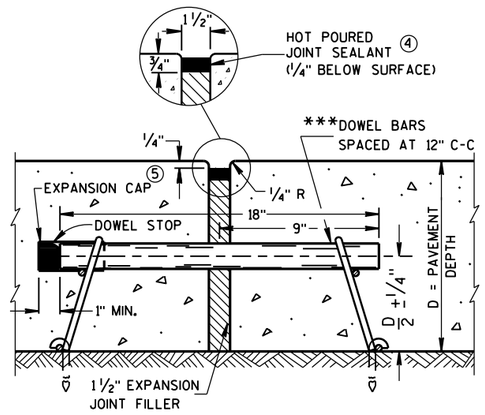
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

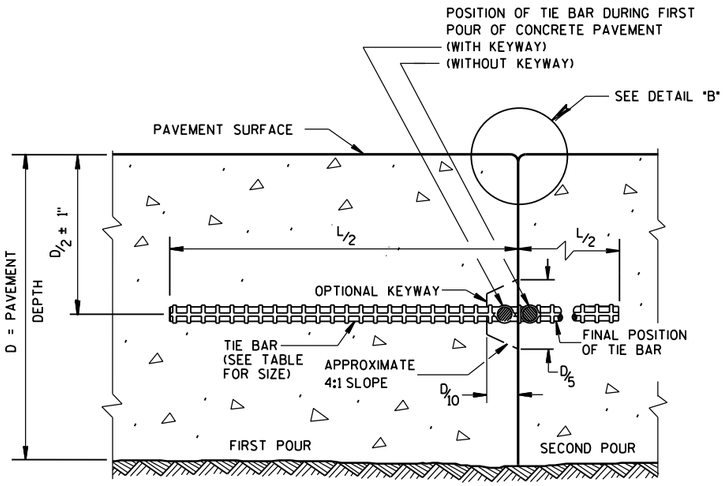
668

6

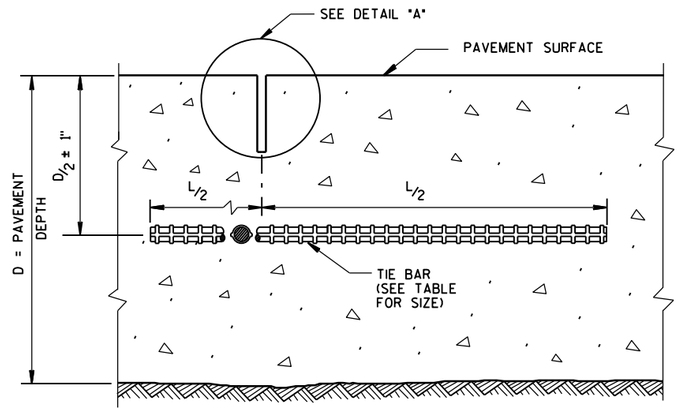
S.D.D. 13 B 2-8a

6

S.D.D. 13 B 2-8a



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

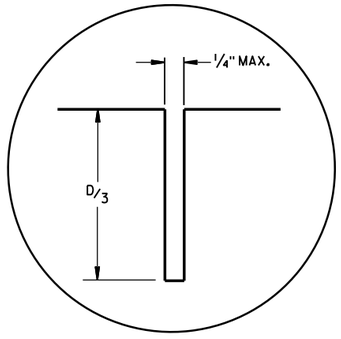
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

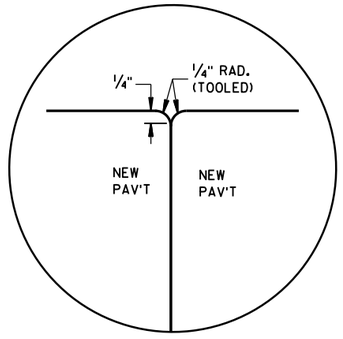
PLAN VIEW

SECTION A-A

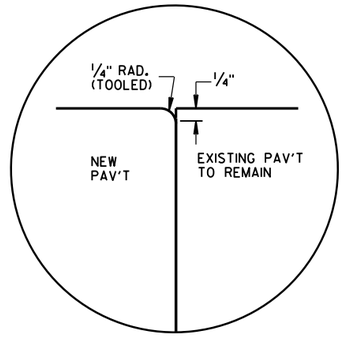
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



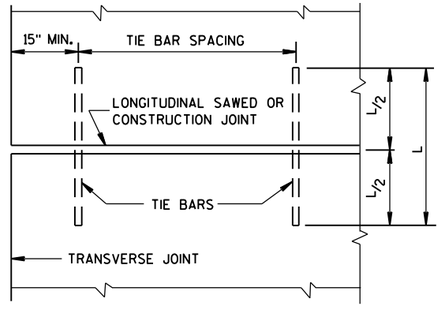
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

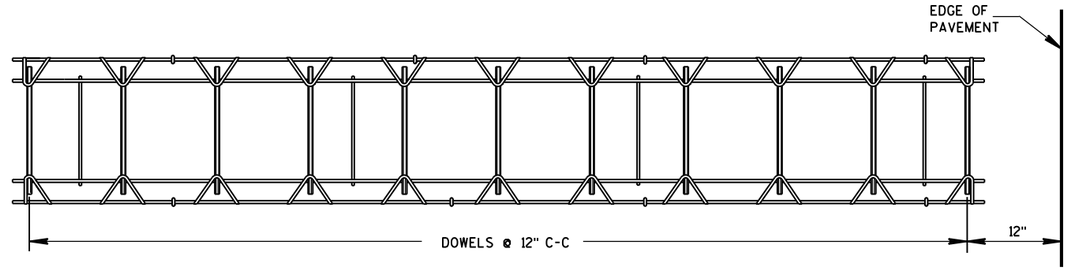
APPROVED
June, 2015
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPER

FHWA

6

S.D.D. 13 C 1-18

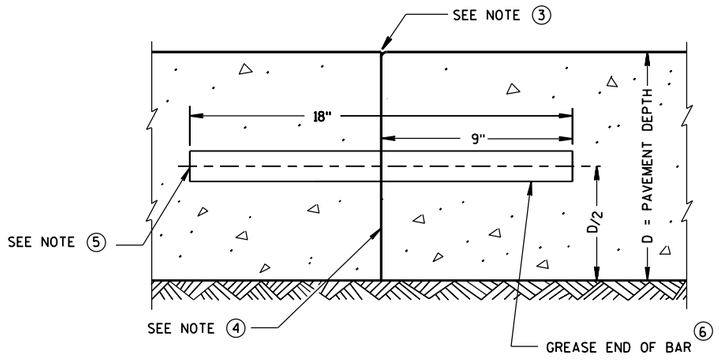


PLAN VIEW

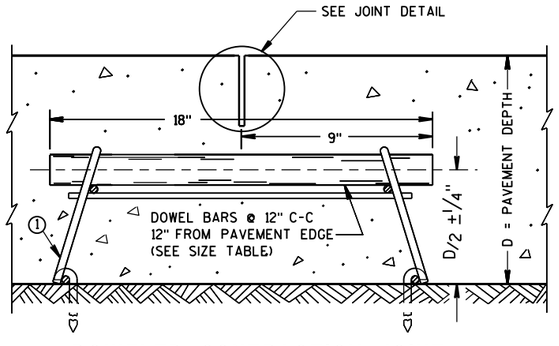


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



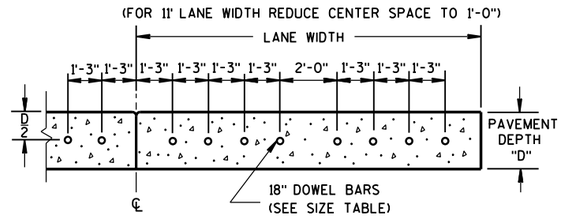
TRANSVERSE CONSTRUCTION JOINT



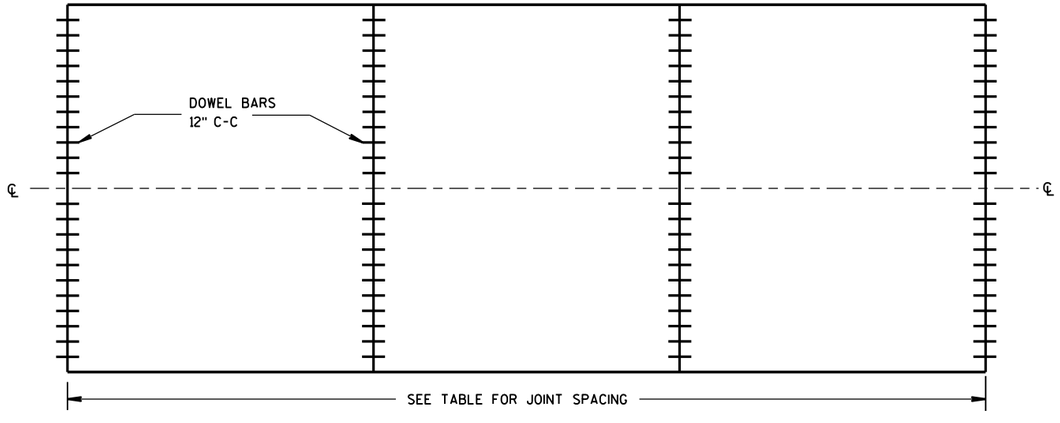
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

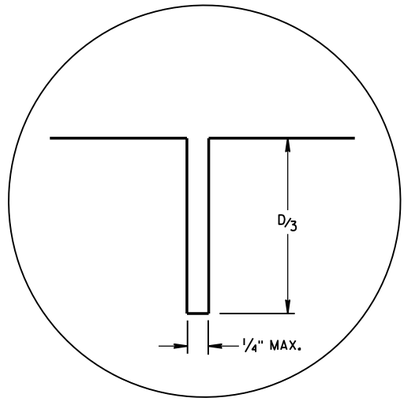
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 DATE
/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER
FHWA

6

S.D.D. 13 C 13-8

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

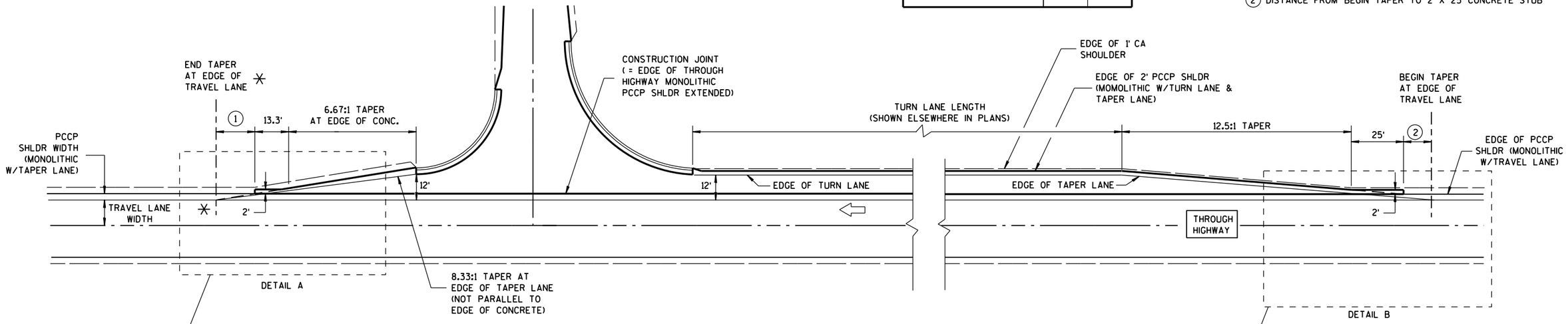
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

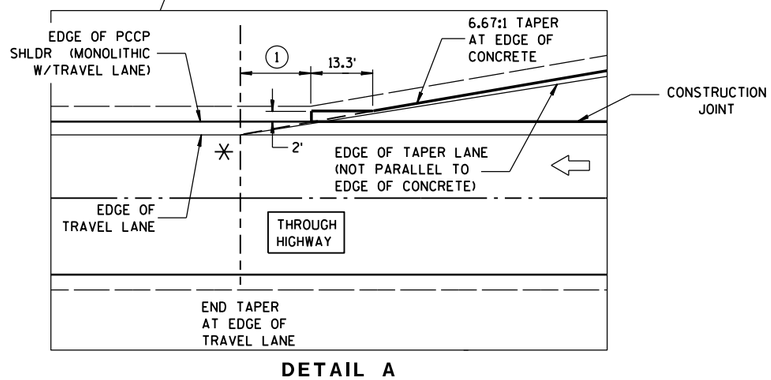
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

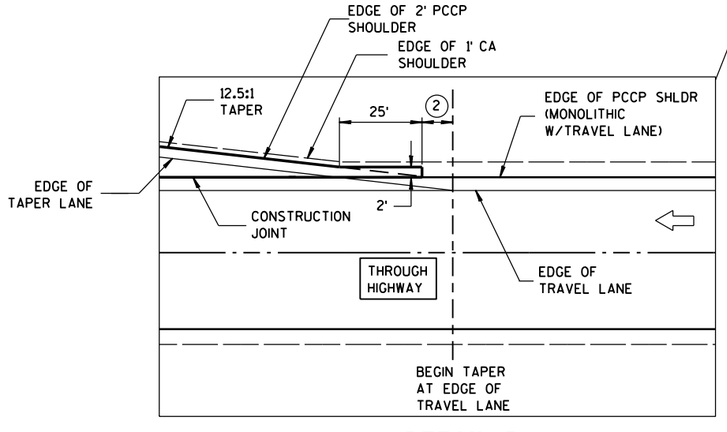
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET) (1)	DISTANCE (FEET) (2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



✳ NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

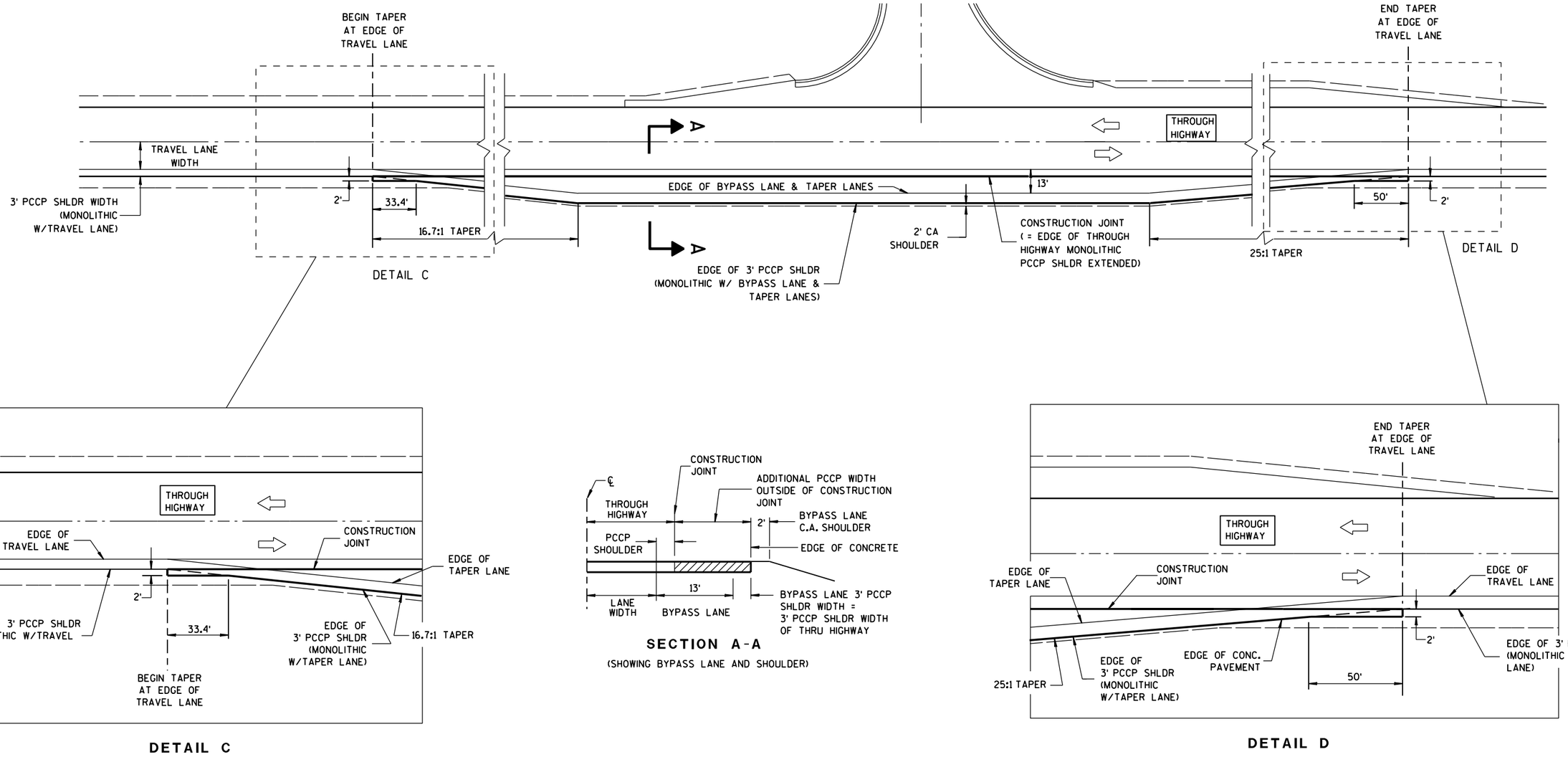
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 13 C 16-2a

6

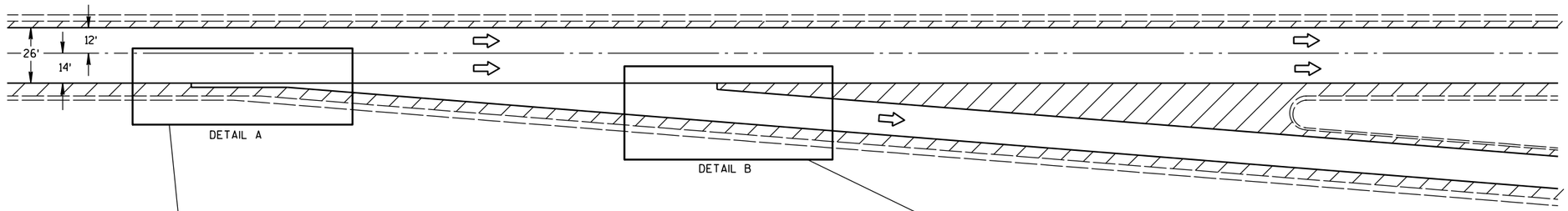
S.D.D. 13 C 16-2a



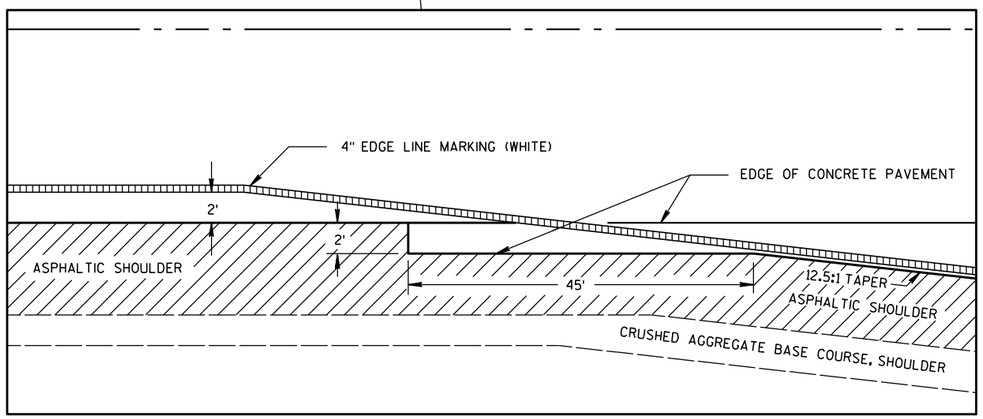
TWO LANE UNDIVIDED HIGHWAY TEE INTERSECTION BYPASS LANE

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/18/12 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	672

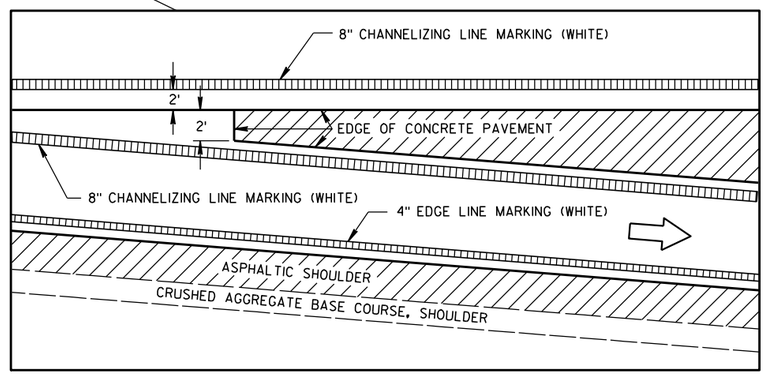
6
S.D.D. 13 C 16-2b



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

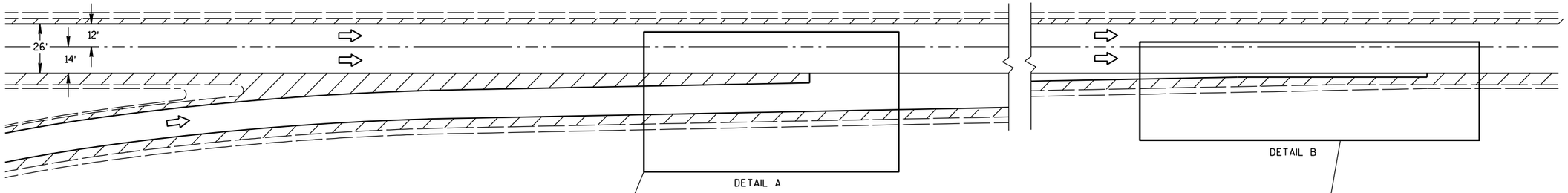
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

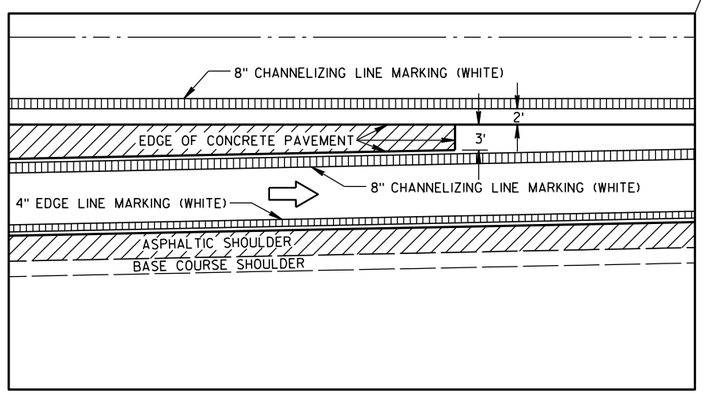
S.D.D. 13 C 17-1a

6

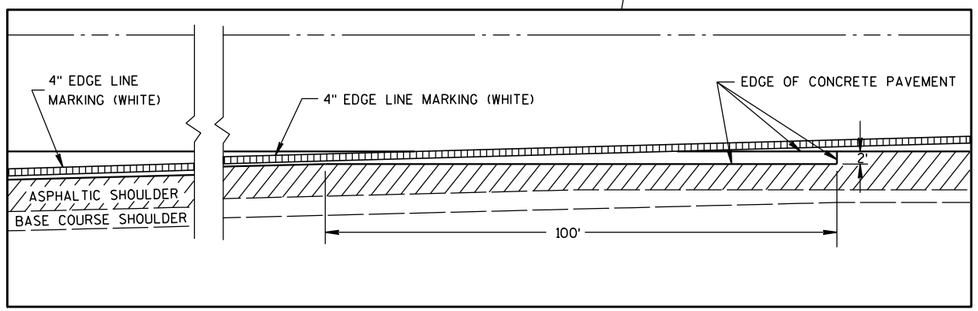
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

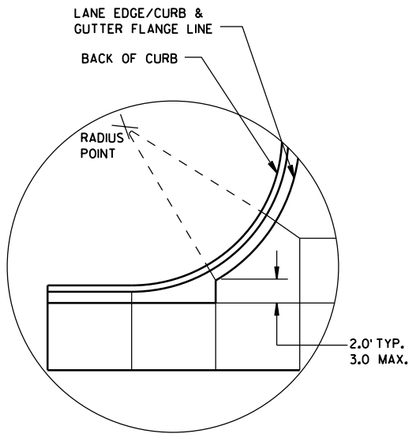
5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

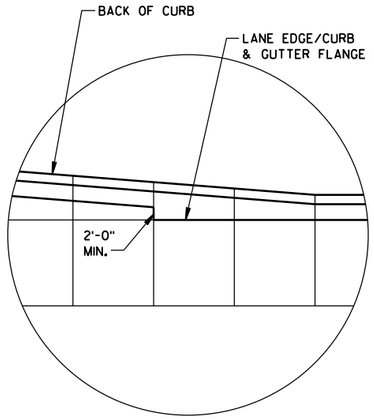
FHWA

6

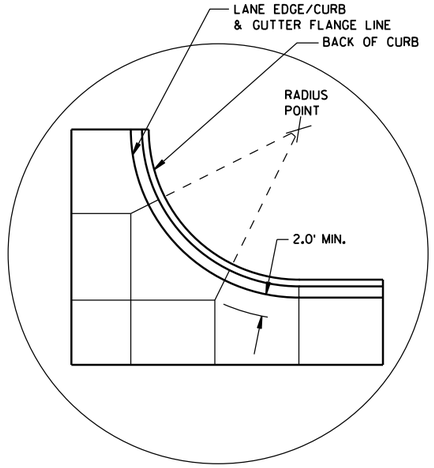
S.D.D. 13 C 17-1b



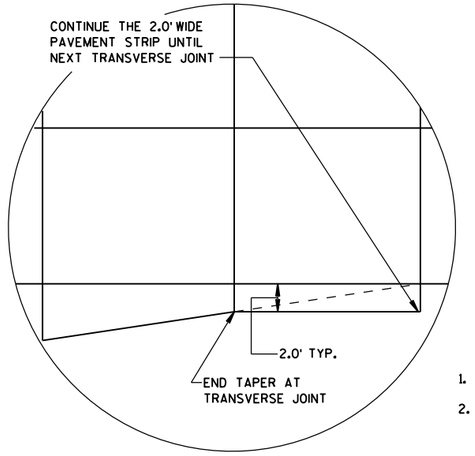
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

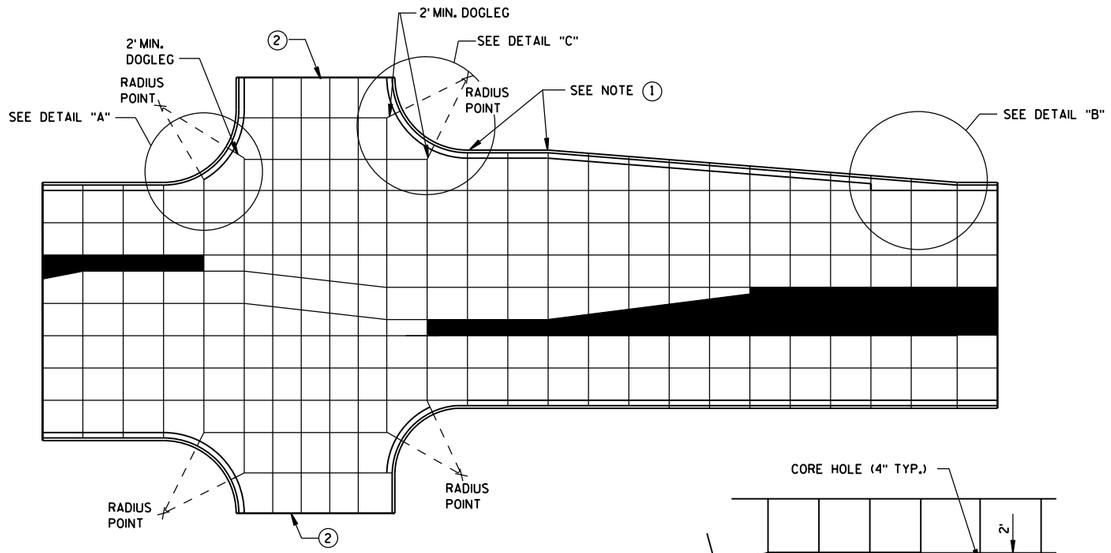
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

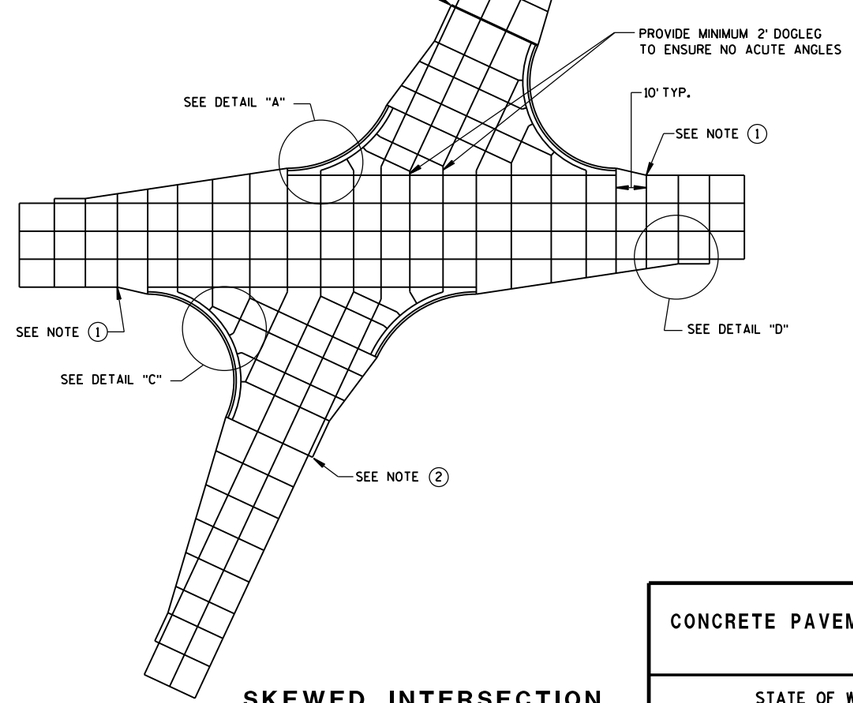
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



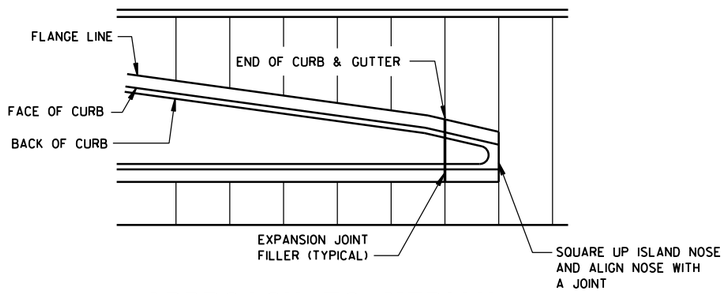
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

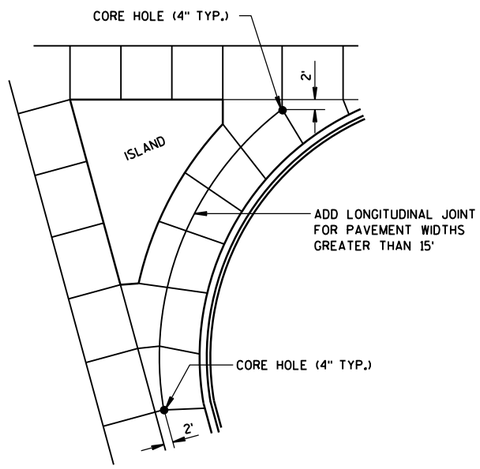
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 675

6

S.D.D. 13 C 18-3a

6

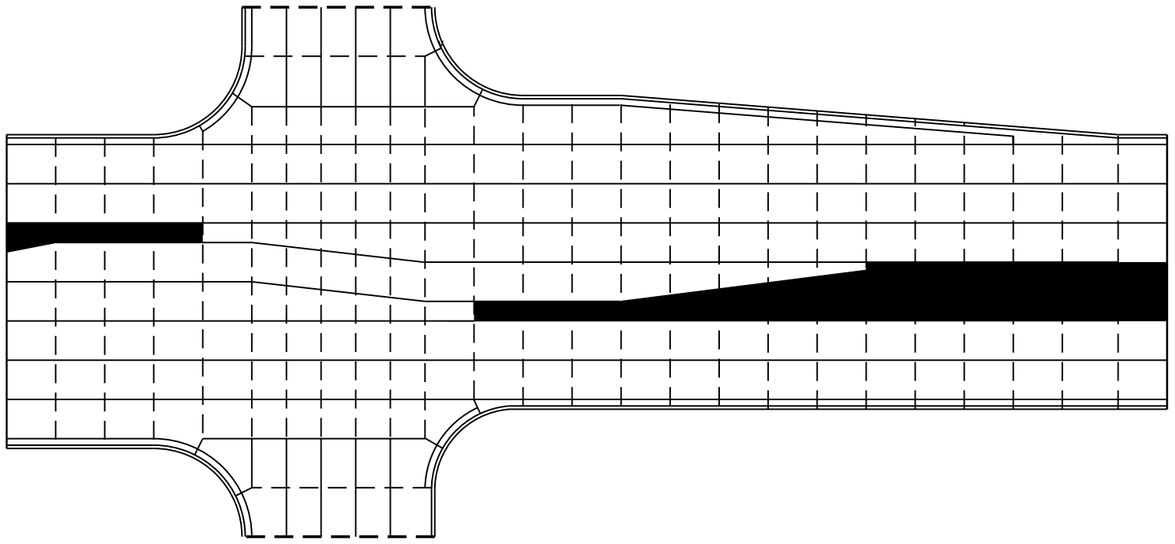
S.D.D. 13 C 18-3a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

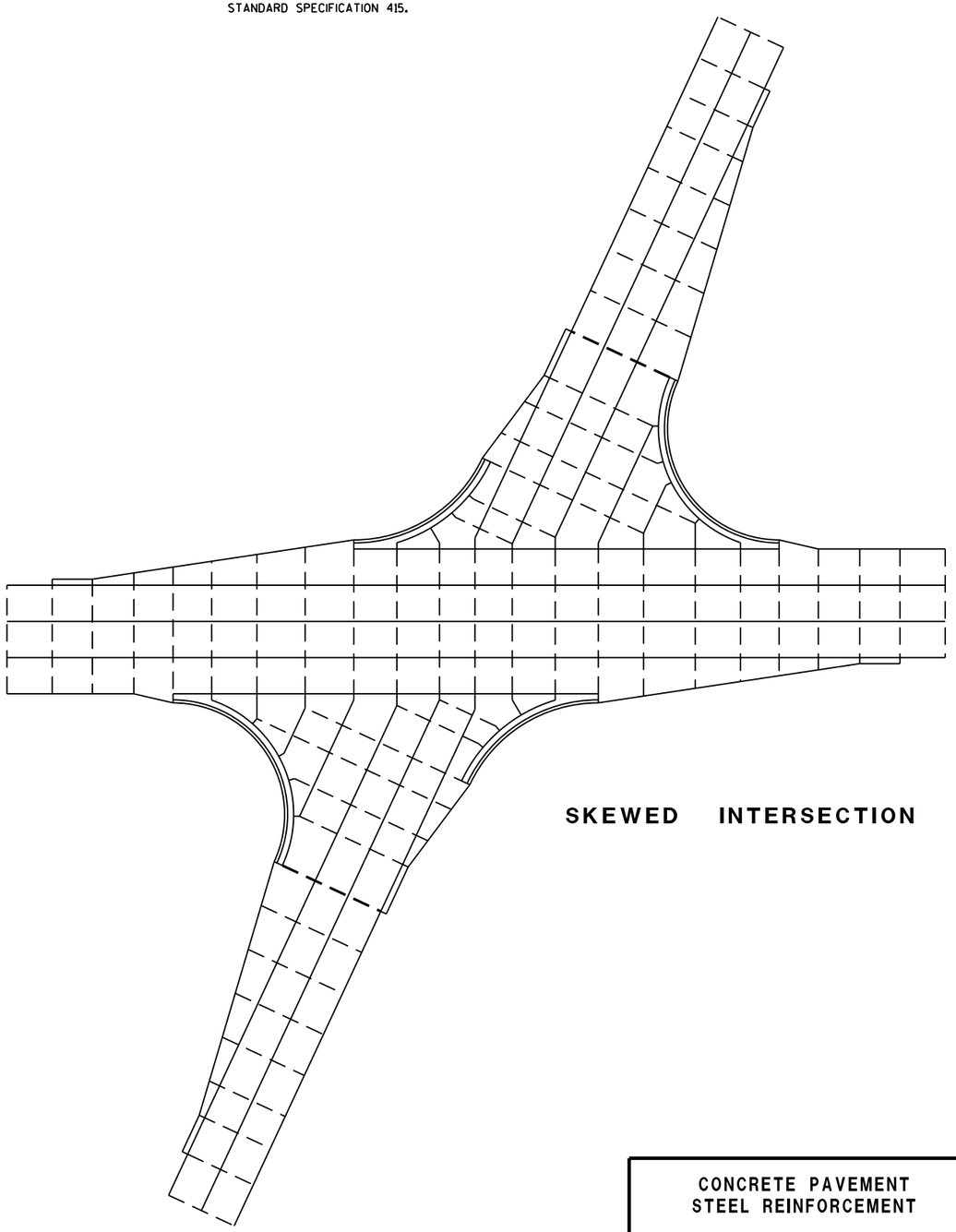
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

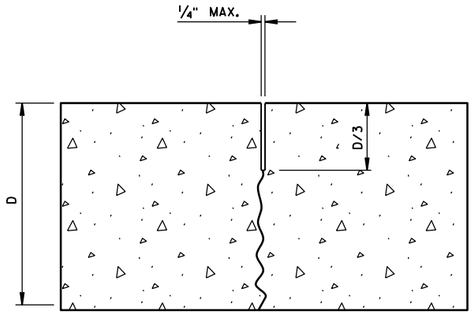
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

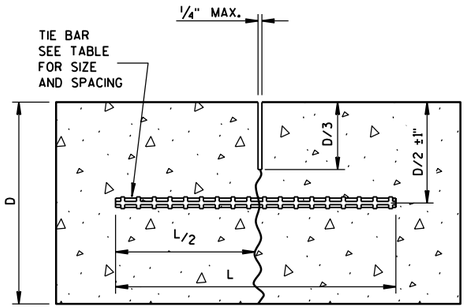
S.D.D. 13 C 18-3b

6

S.D.D. 13 C 18-3b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

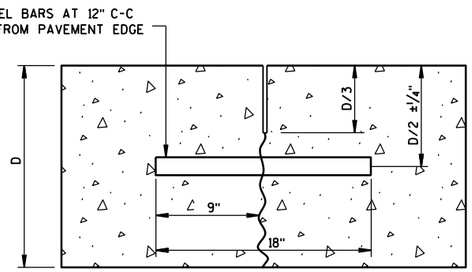
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

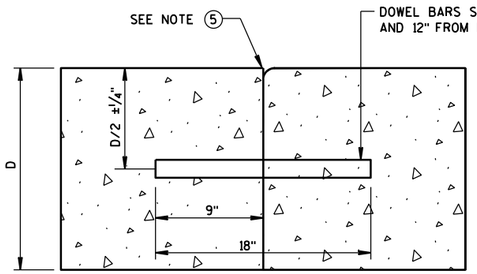
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



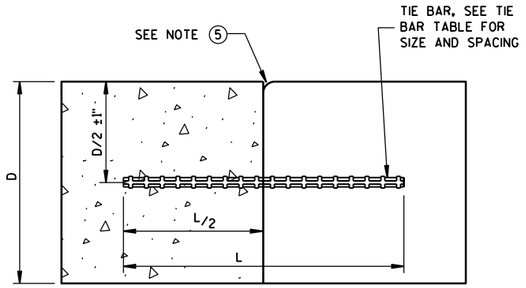
DOWELED-TRANSVERSE

CONTRACTION JOINTS

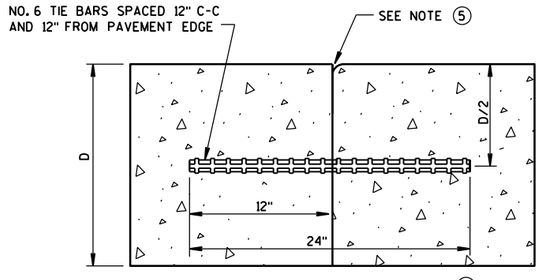
SEE NOTE (2)



DOWELED TRANSVERSE (3)

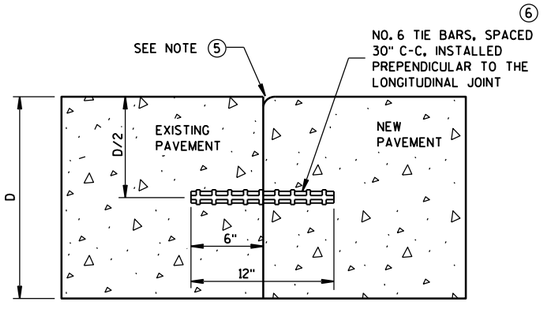


TIED LONGITUDINAL



TIED TRANSVERSE (3)

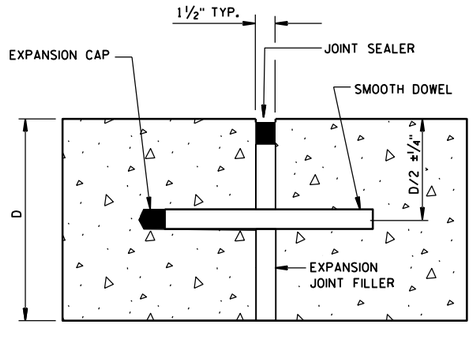
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

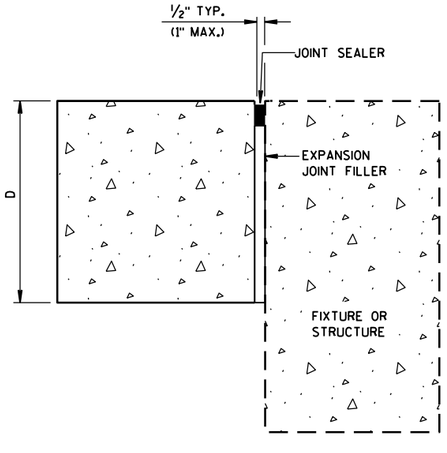
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

6

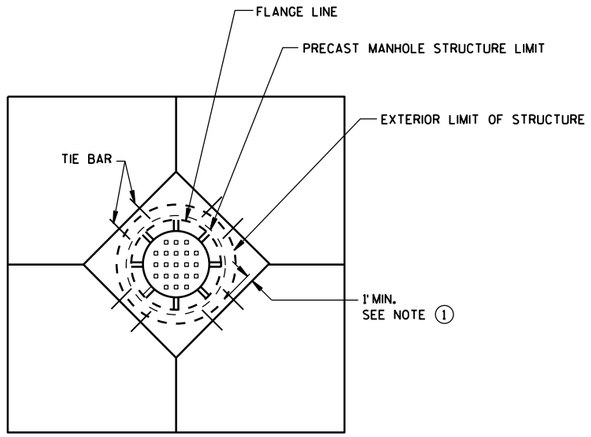
6

S.D.D. 13 C 18-3c

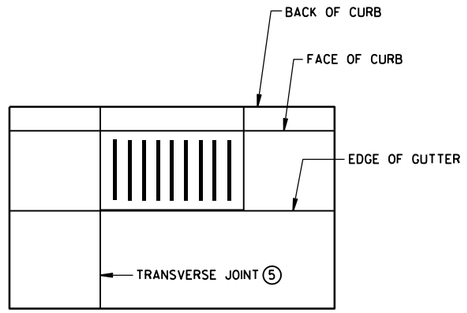
S.D.D. 13 C 18-3c

CONCRETE PAVEMENT
JOINT TYPES

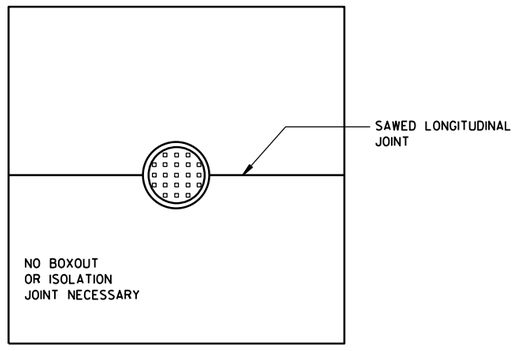
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 677



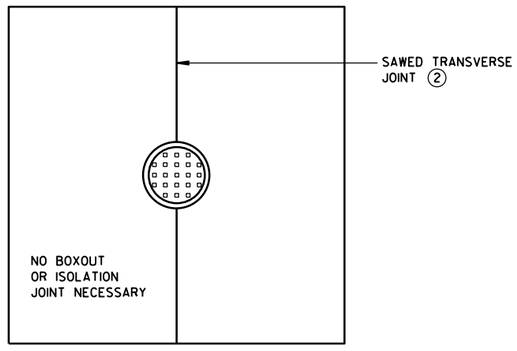
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



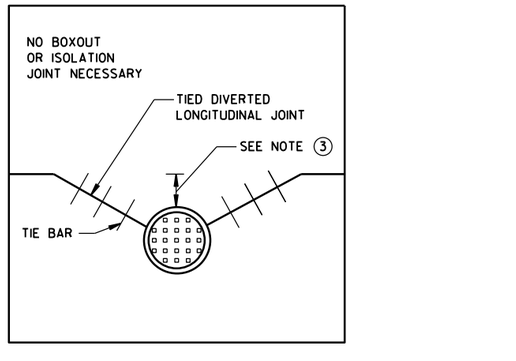
INLET WITH TRANSVERSE JOINT



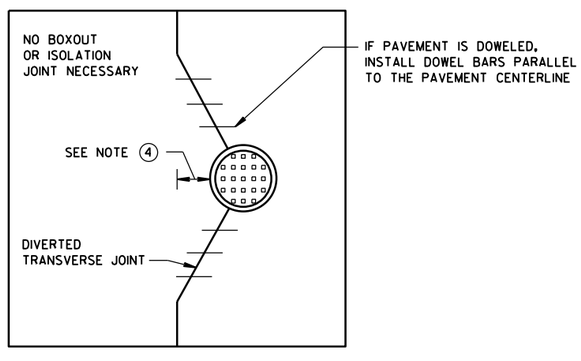
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

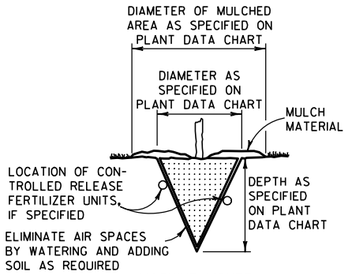
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

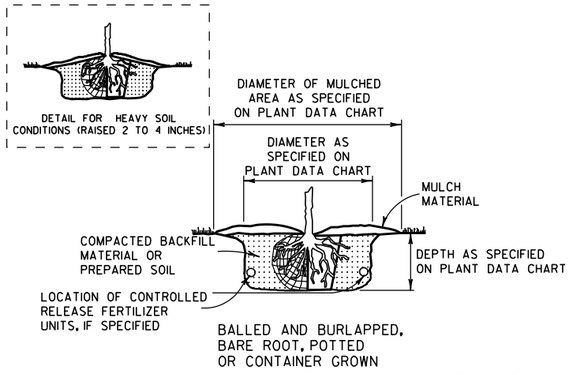
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

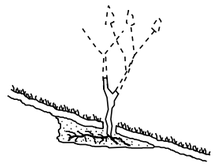
S.D.D. 13 C 18-3d



MACHINE MOVED

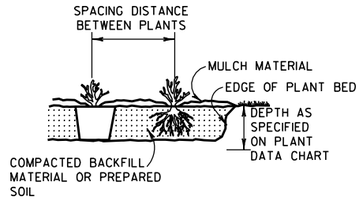


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



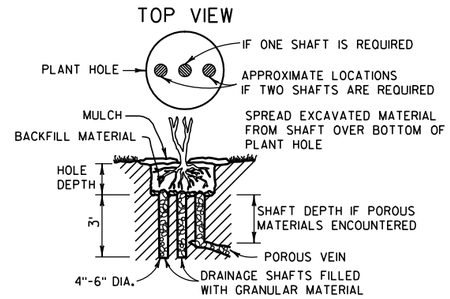
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



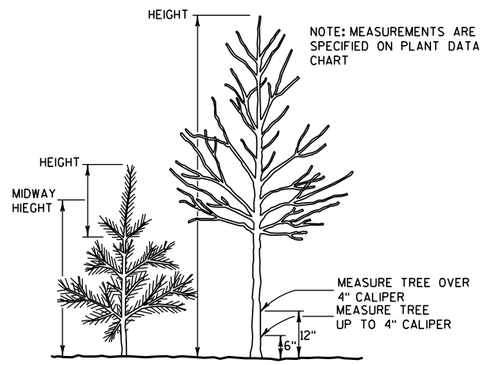
PREPARED BED (BARE ROOT AND POTTED)

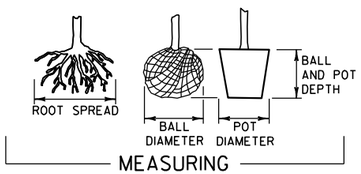
PLANTING



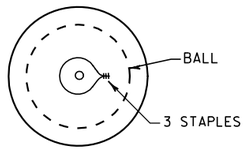
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

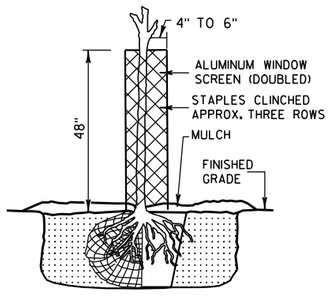




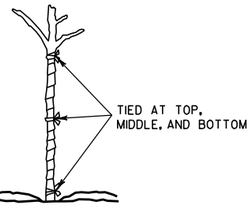
MEASURING



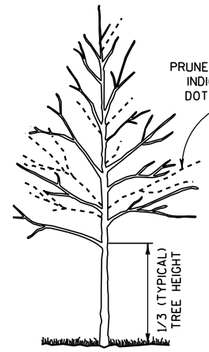
TOP VIEW



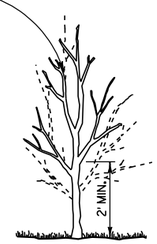
RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

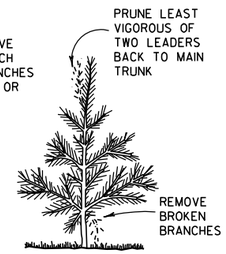
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

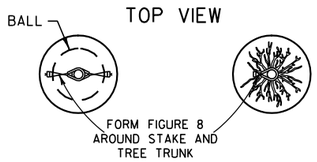


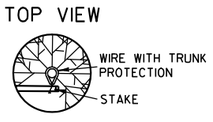
SUMAC

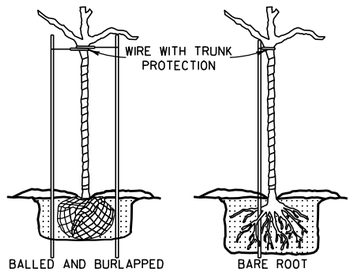


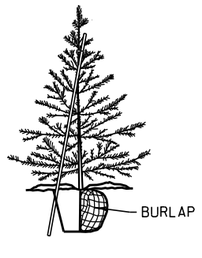
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



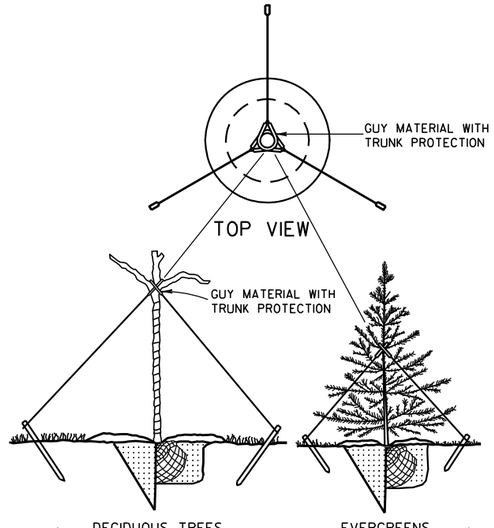






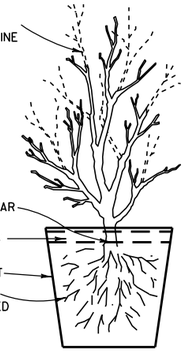
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

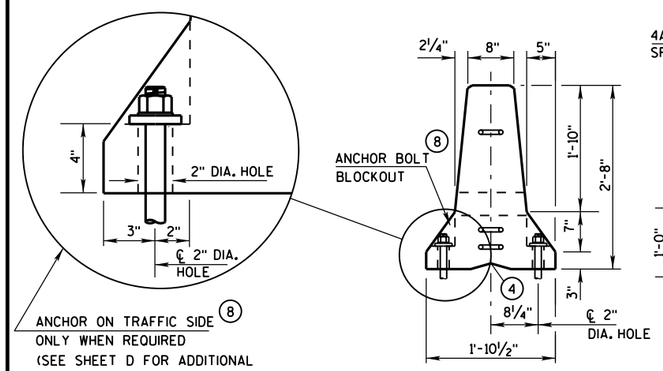
679

6

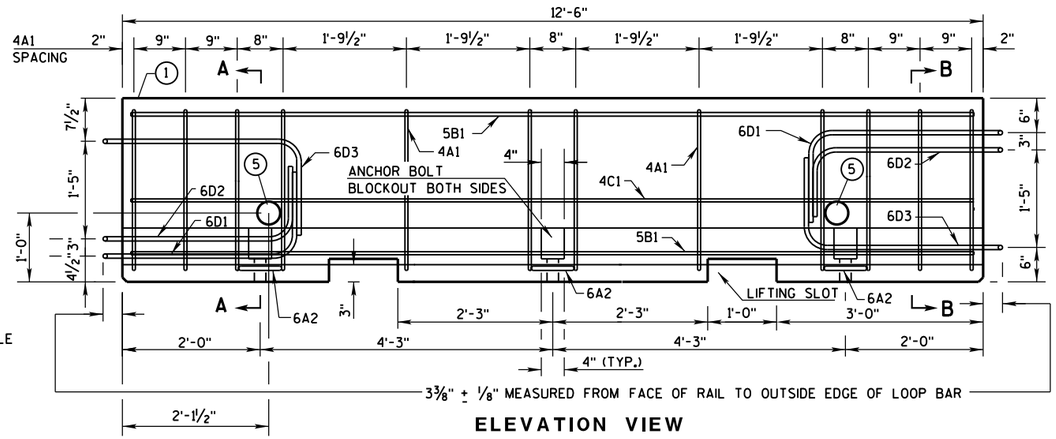
S.D.D. 14 A 2-1

6

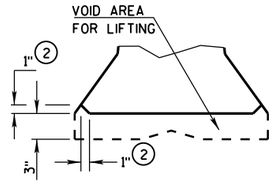
S.D.D. 14 A 2-1



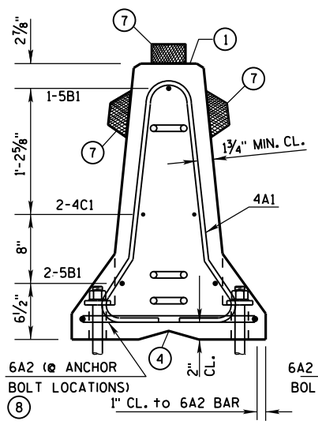
END VIEW



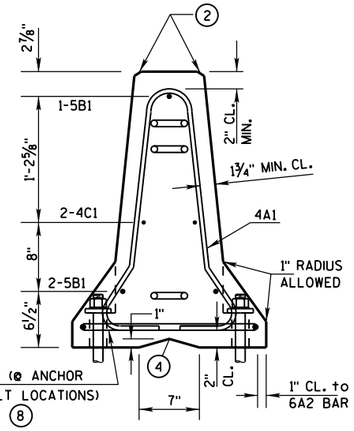
ELEVATION VIEW



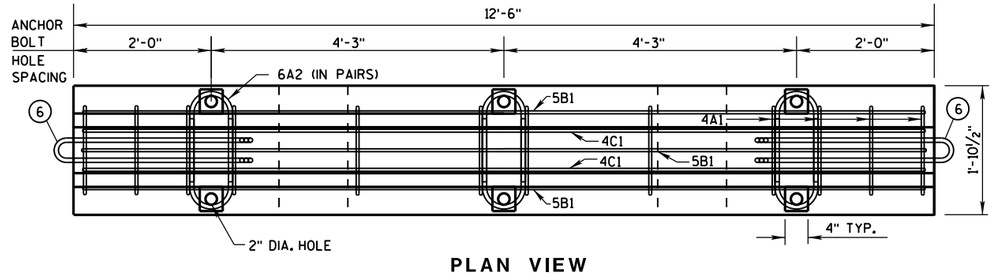
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

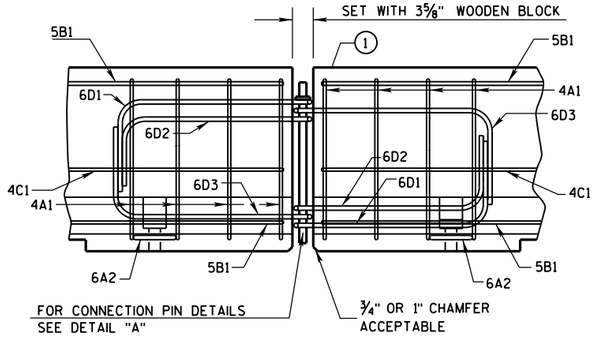


SECTION B-B
(STIRRUP PLACEMENT)

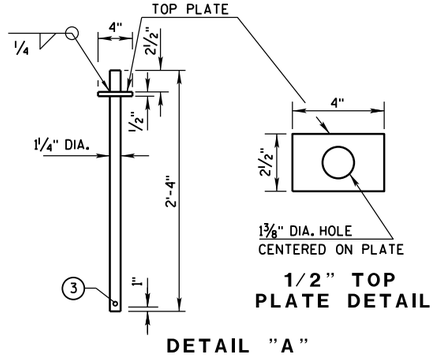


PLAN VIEW

DETAILS OF BARRIER SECTION

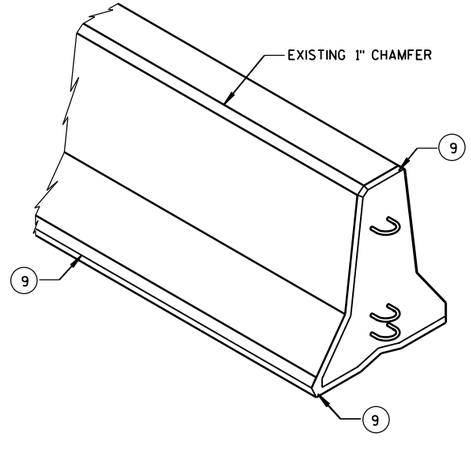


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(h).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

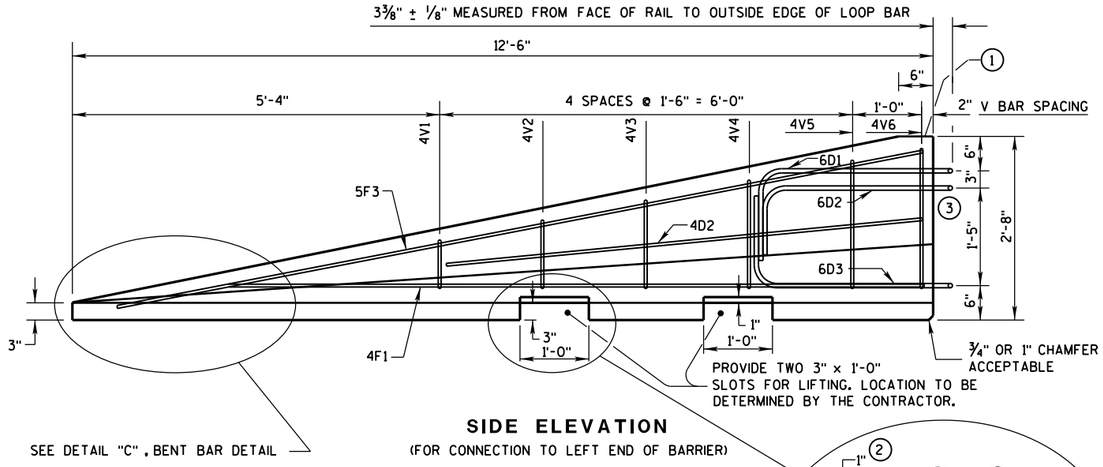
(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR ANCHORING CRITERIA.

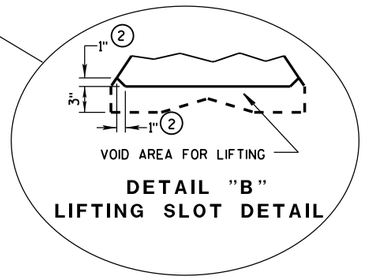
(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

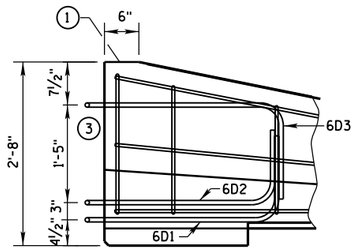
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 680



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



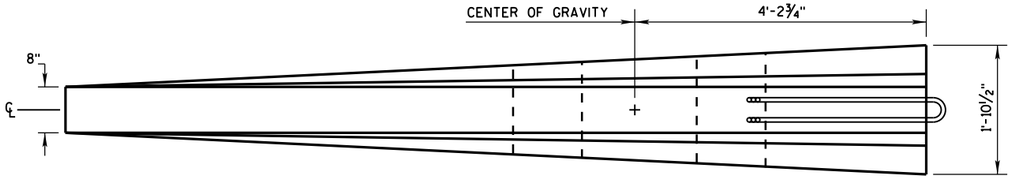
DETAIL "B"
LIFTING SLOT DETAIL



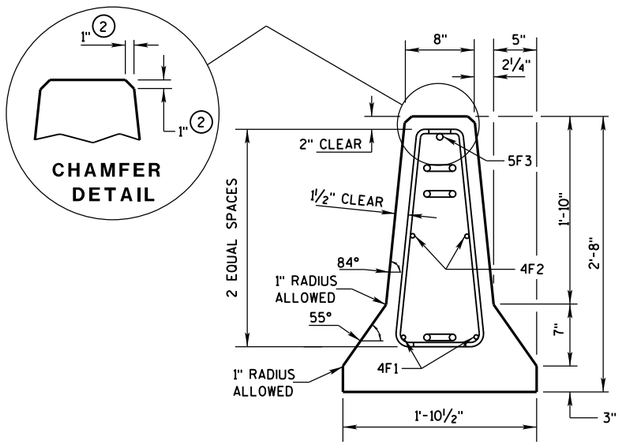
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

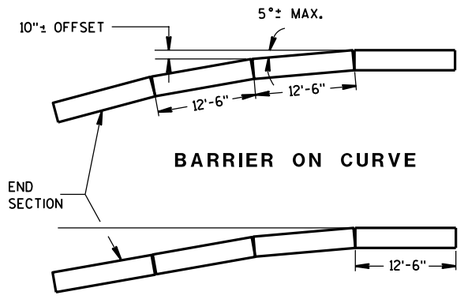
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



PLAN VIEW



END SECTION **FRONT ELEVATION**



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 681

6

S.D.D. 14 B 7-14b

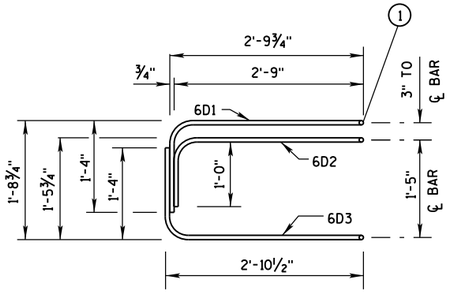
6

S.D.D. 14 B 7-14b

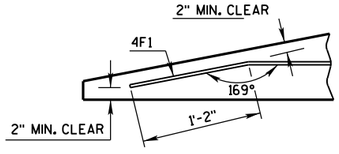
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

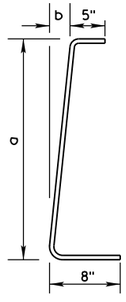
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

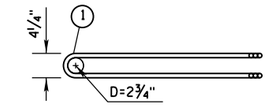
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

BARRIER SECTION BILL OF MATERIALS

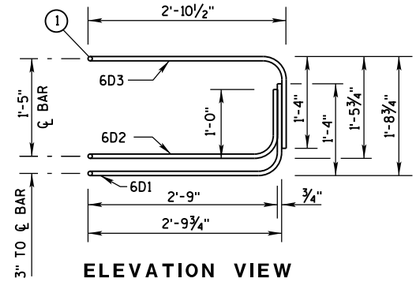
(PER 12'-6" BARRIER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

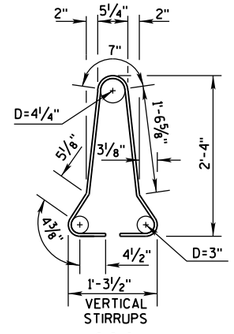


PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)

6A2



ELEVATION VIEW



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

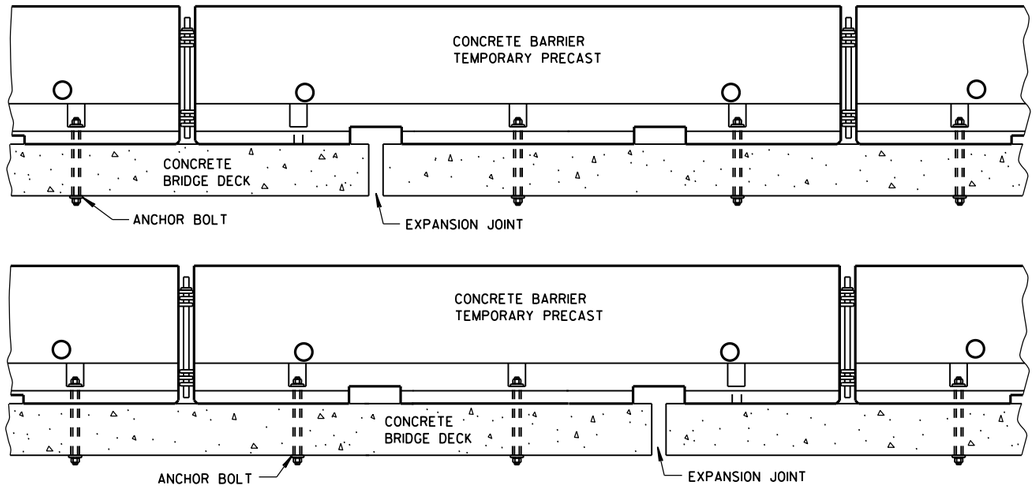
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 682

6

S.D.D. 14 B 7-14c

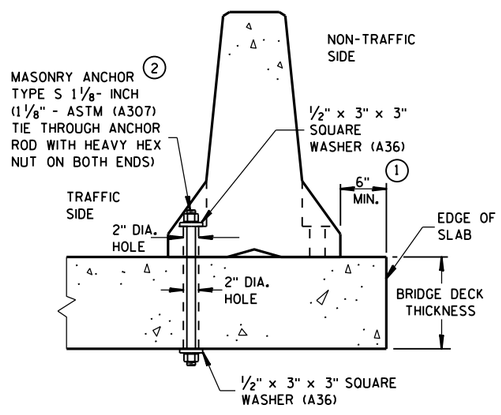
6

S.D.D. 14 B 7-14c



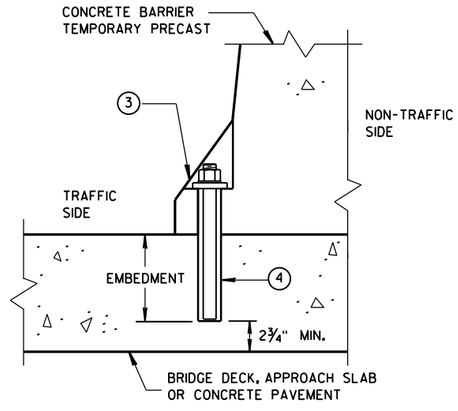
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



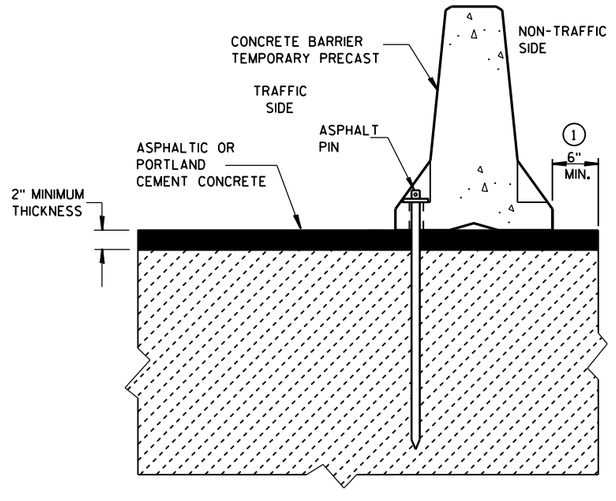
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



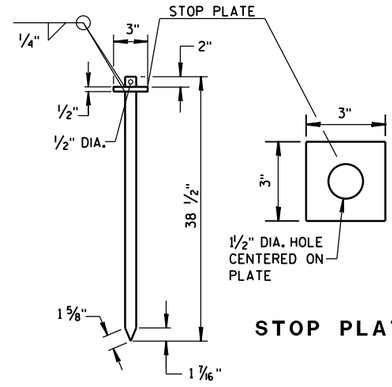
REMOVABLE ADHESIVE BONDED ANCHOR ② INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

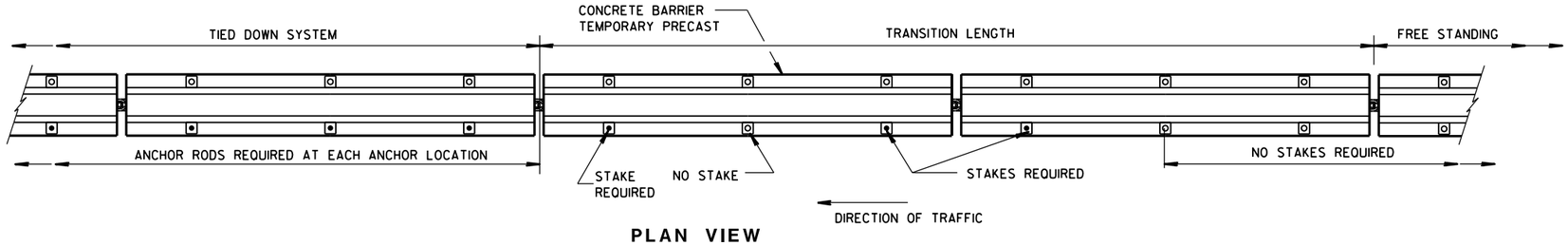
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

GENERAL NOTES

① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.

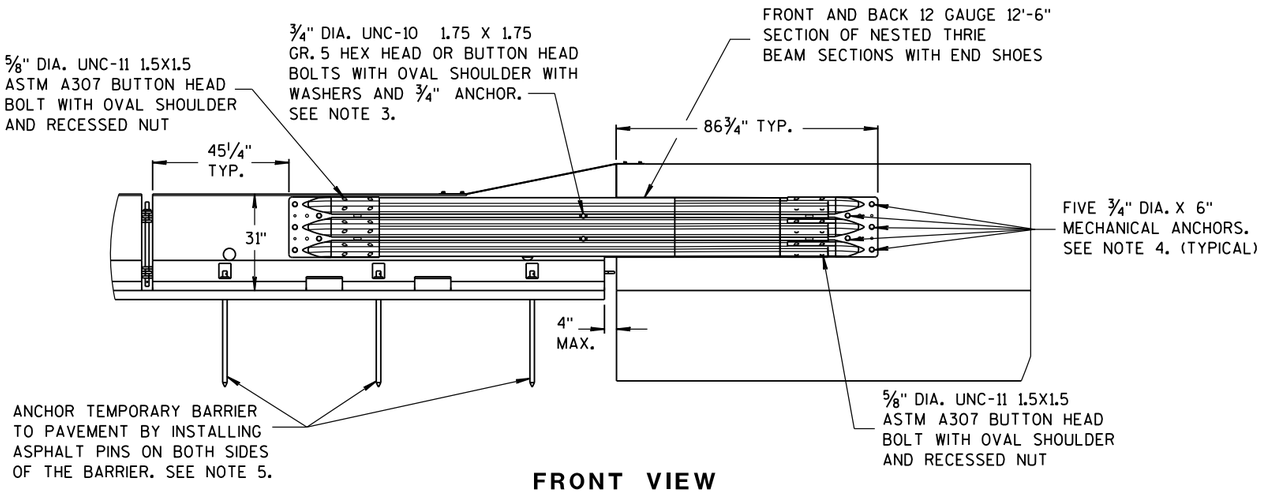
③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

④ ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

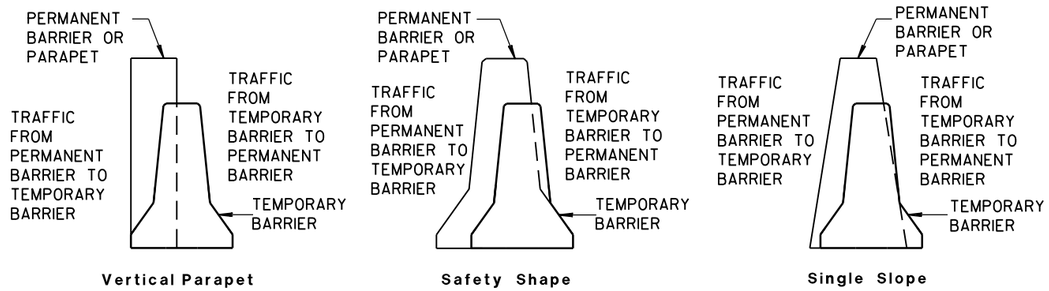
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14d



FRONT VIEW

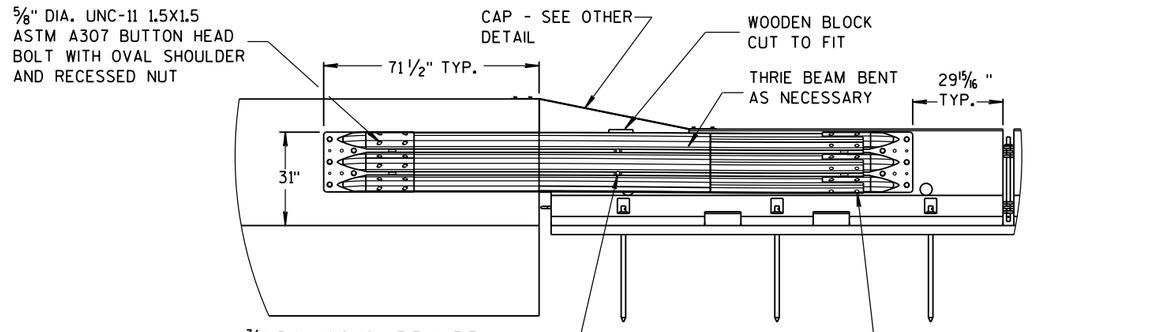


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

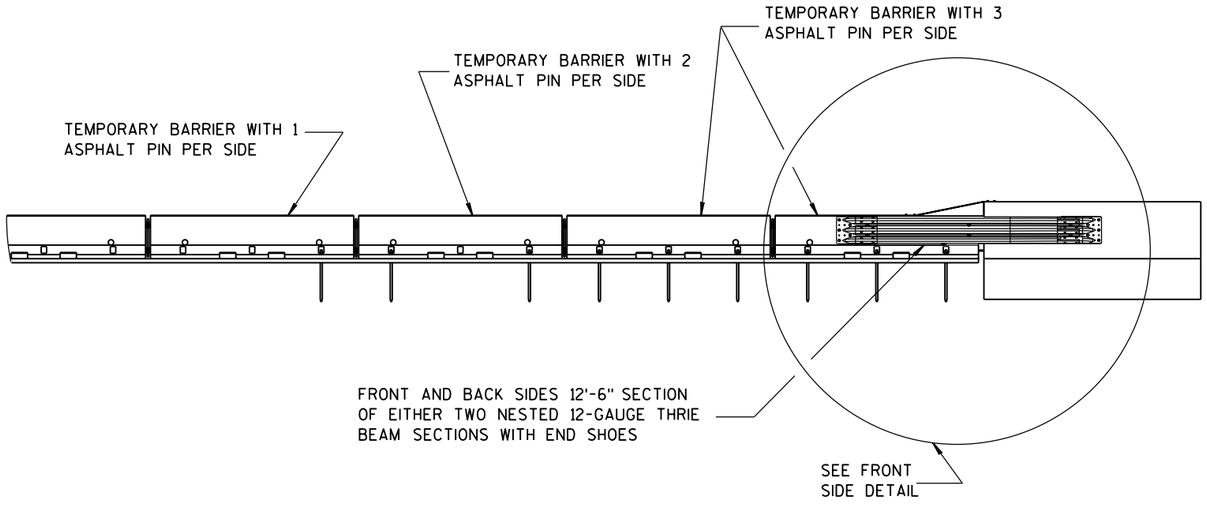
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

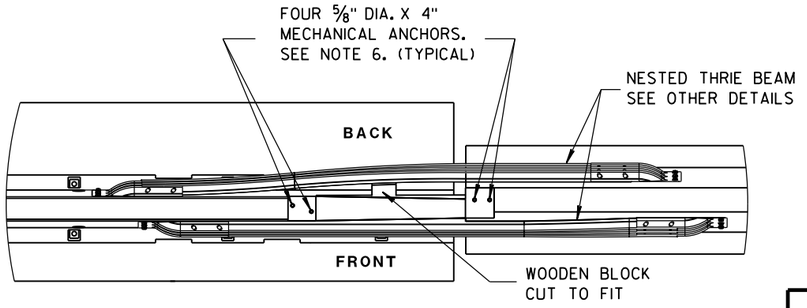
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

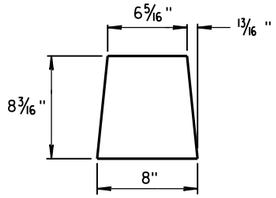
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO 684

6

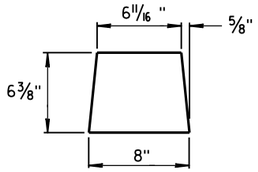
S.D.D. 14 B 7-14e

6

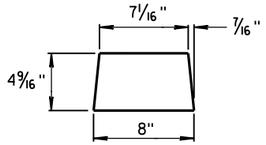
S.D.D. 14 B 7-14e



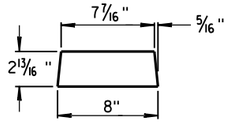
GUSSET 1



GUSSET 2

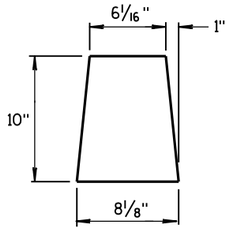


GUSSET 3

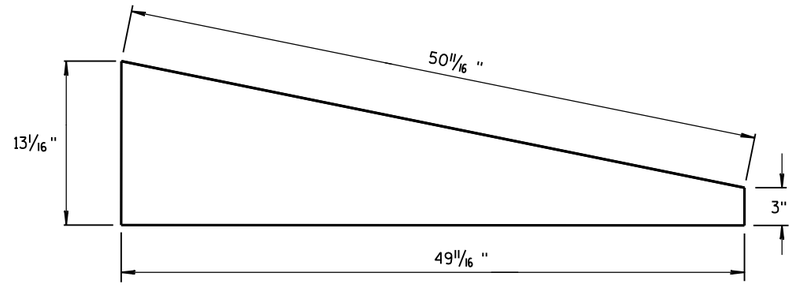


GUSSET 4

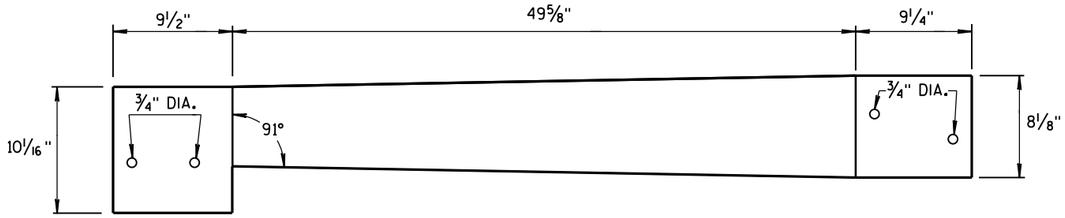
GUSSETS

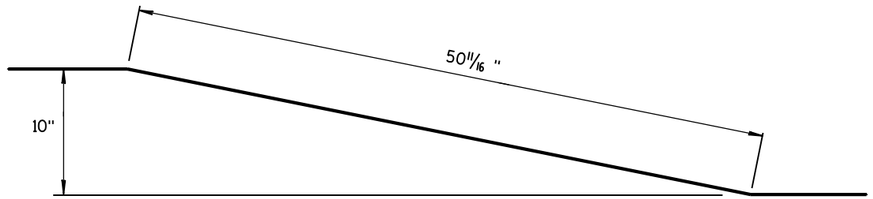


END PLATE



SIDE PLATE

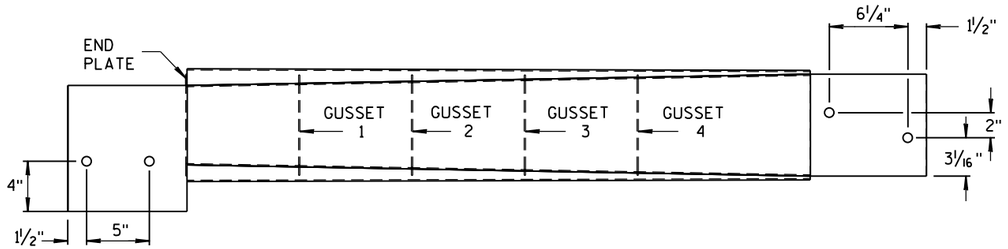


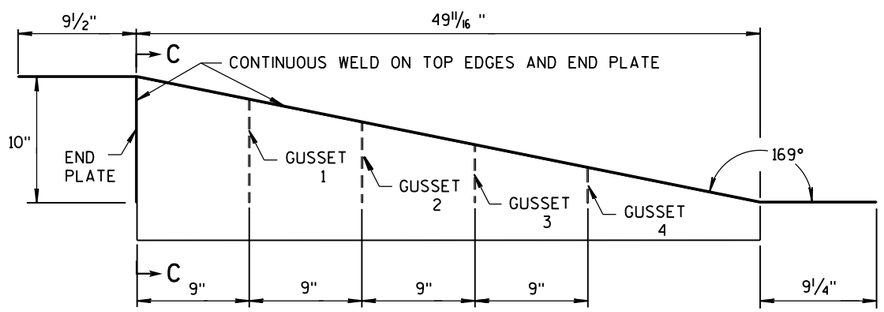


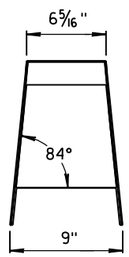
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

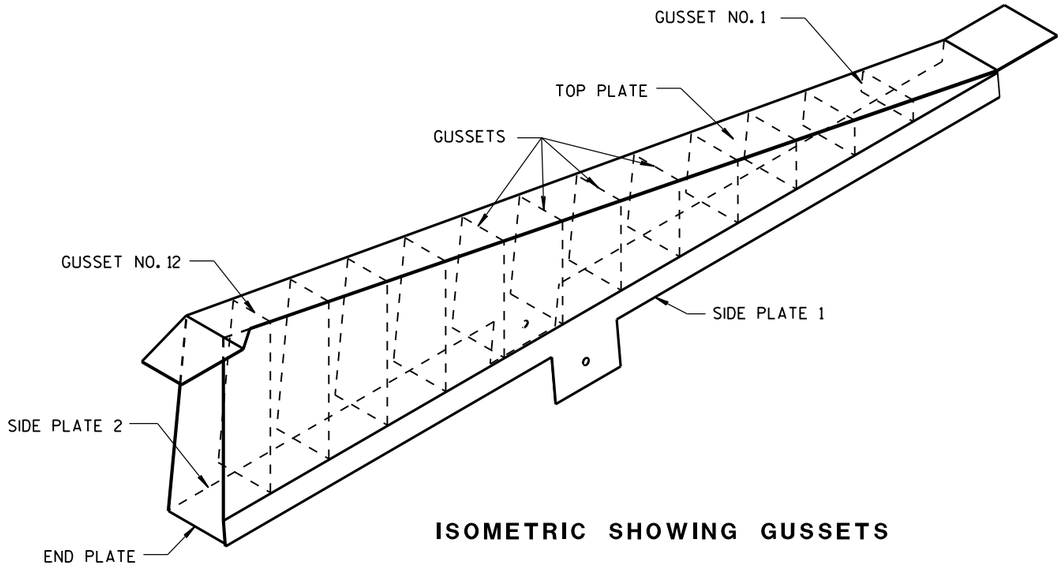
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

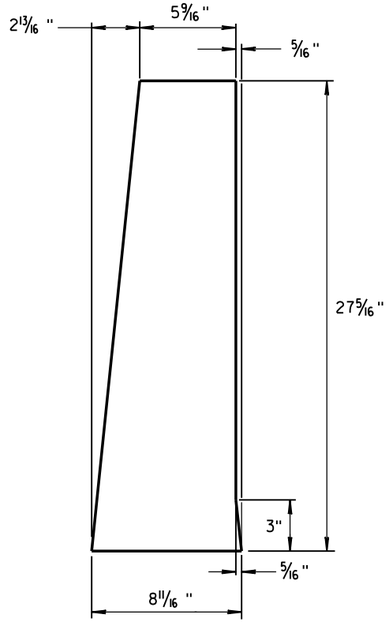
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14f

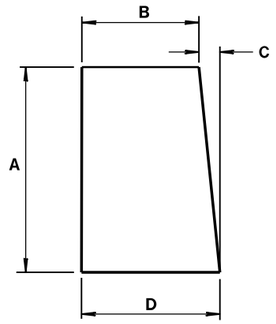


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



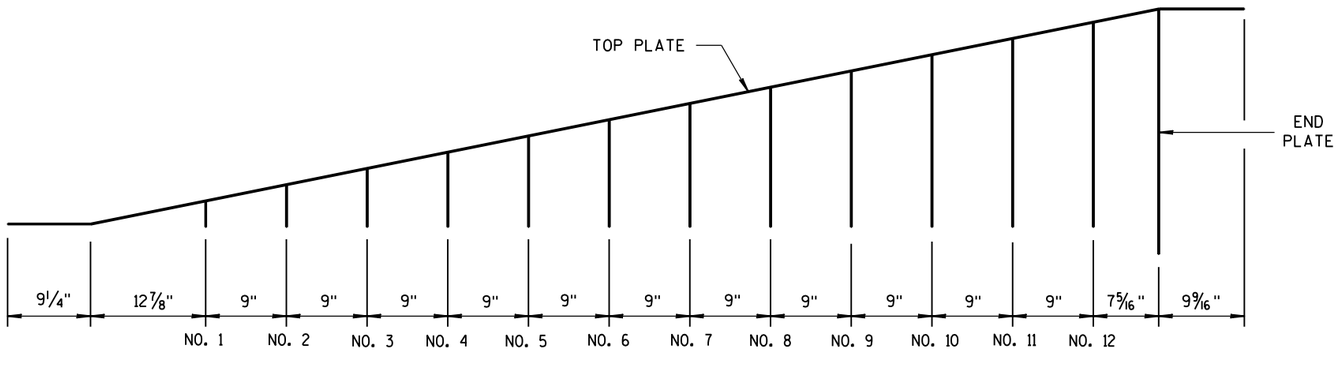
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

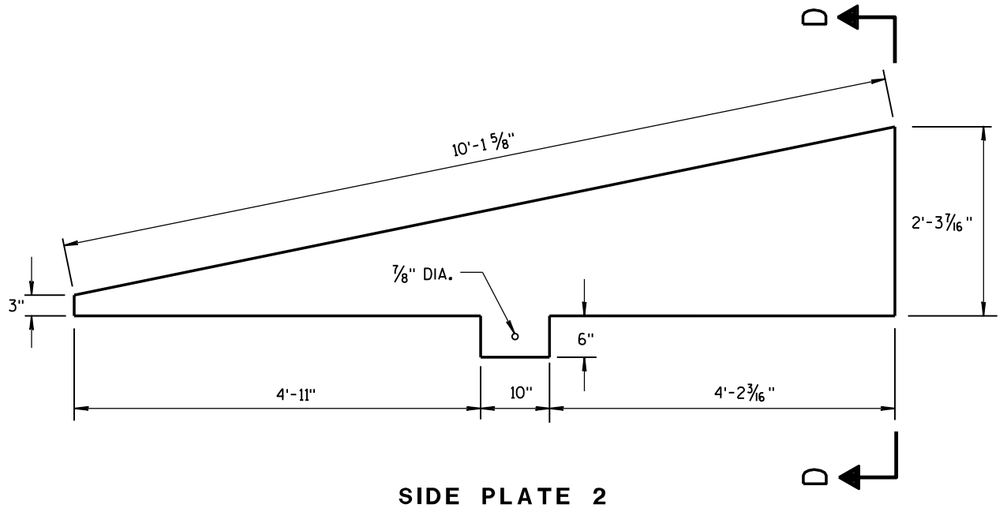
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

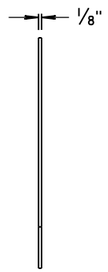
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

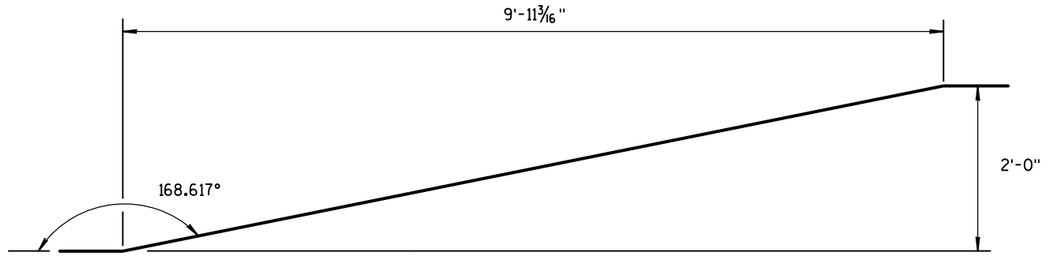
S.D.D. 14 B 7-14g



SIDE PLATE 2

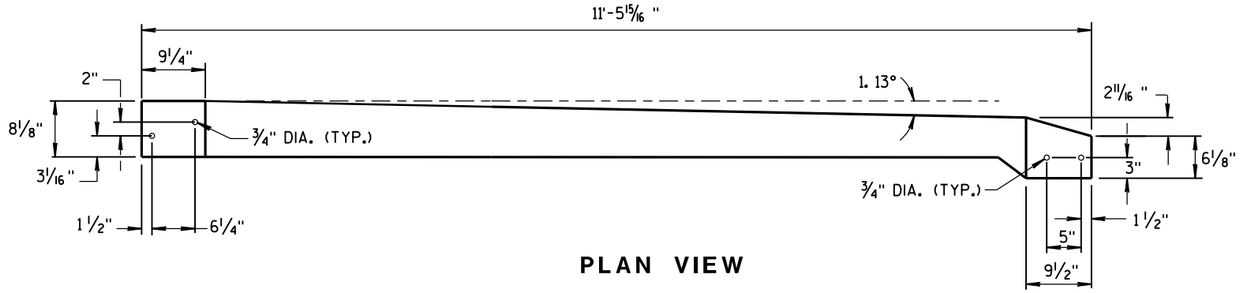


END VIEW



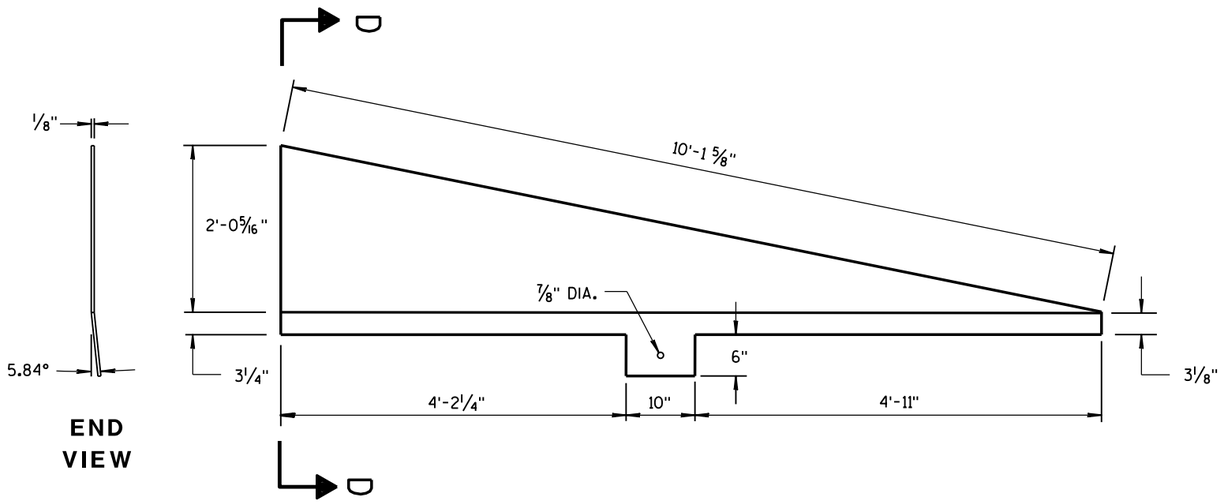
SIDE VIEW

TOP PLATE



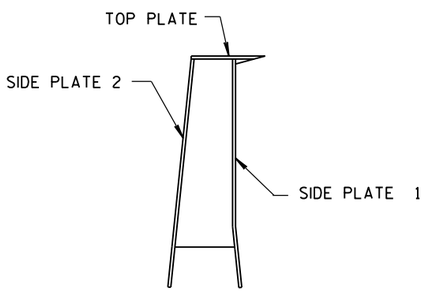
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zoaa — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

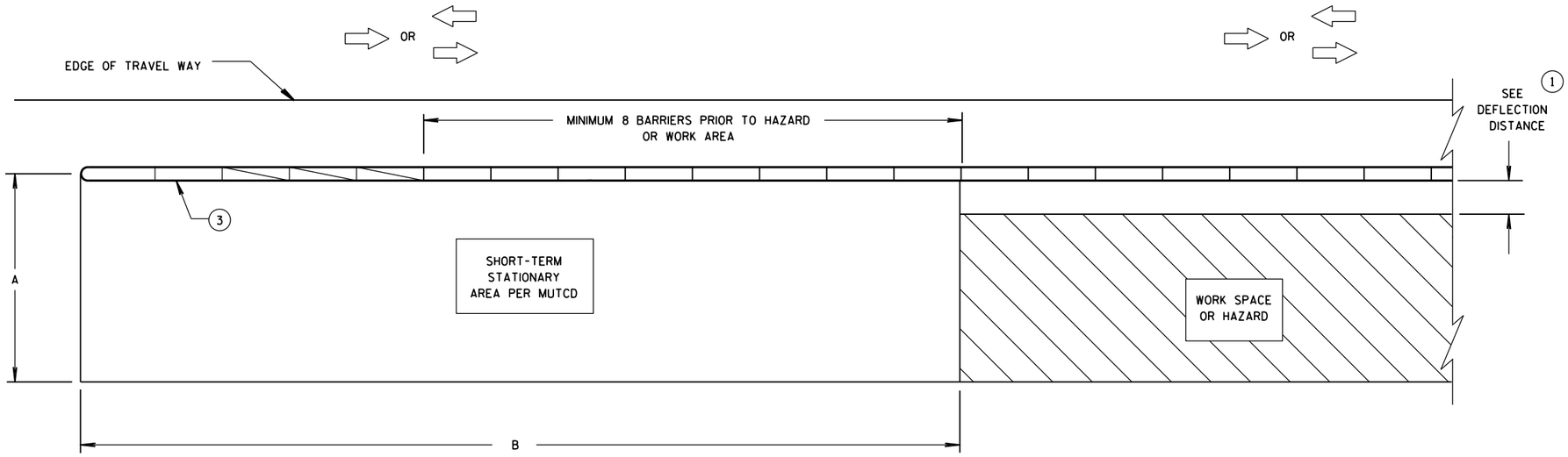
687

6

S.D.D. 14 B 7-14h

6

S.D.D. 14 B 7-14h



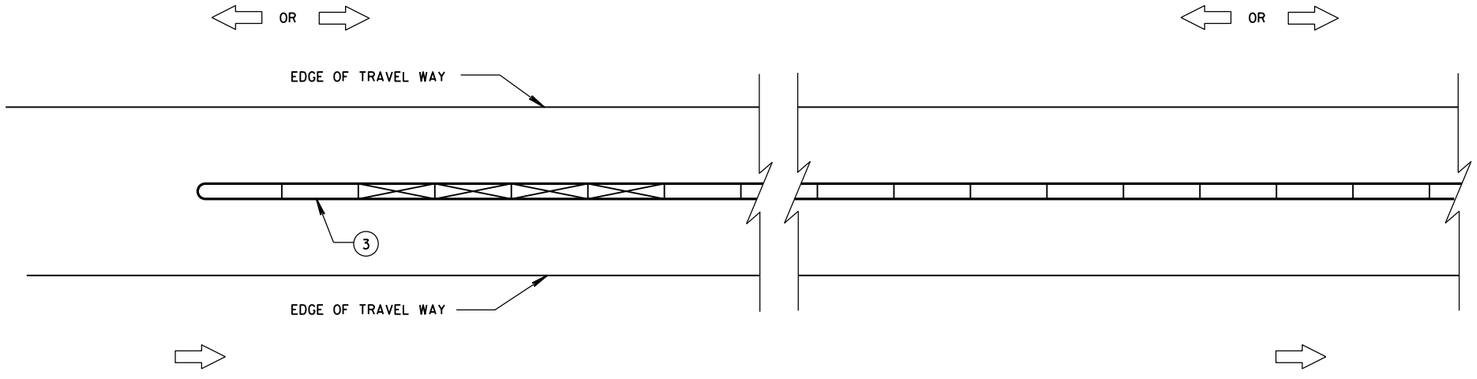
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

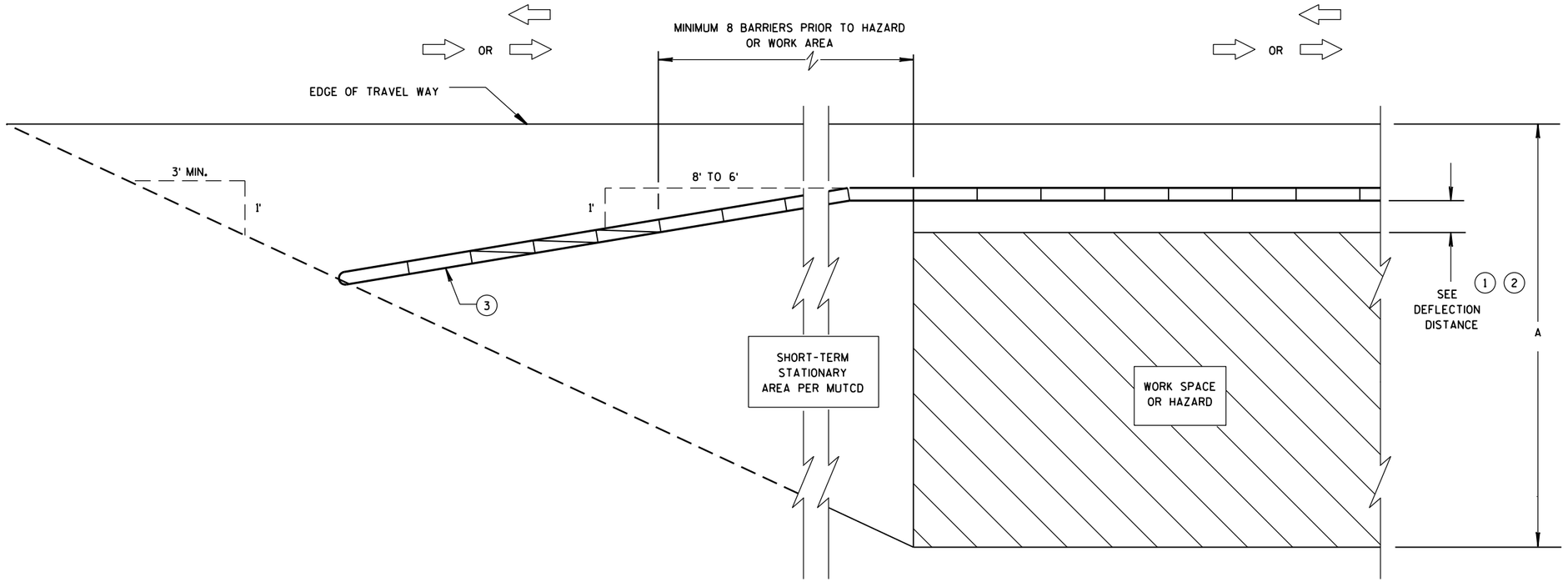
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

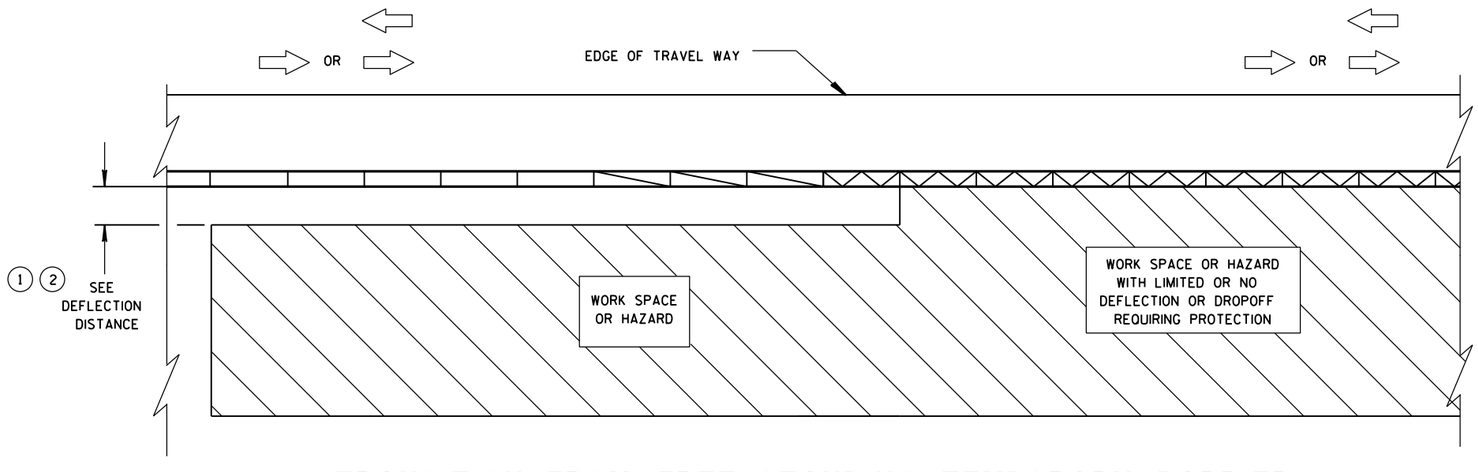
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2a
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

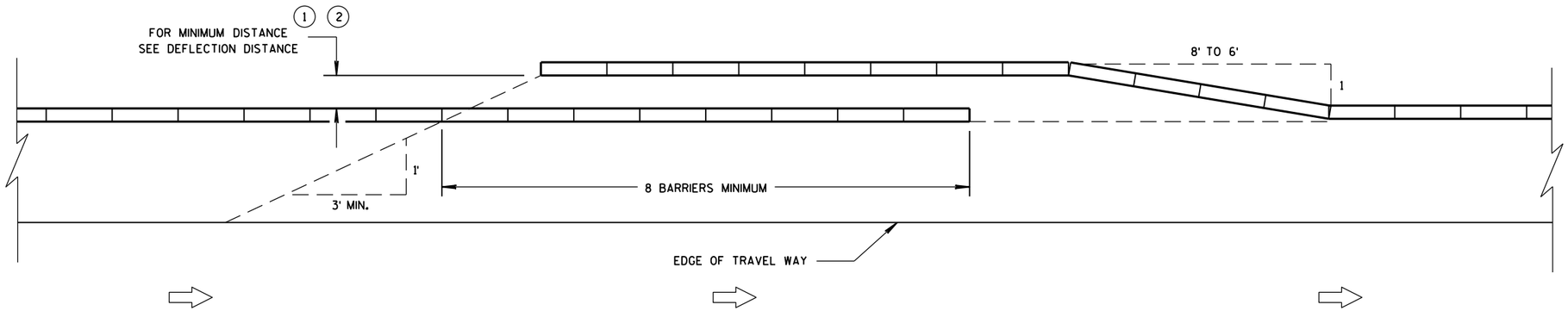
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

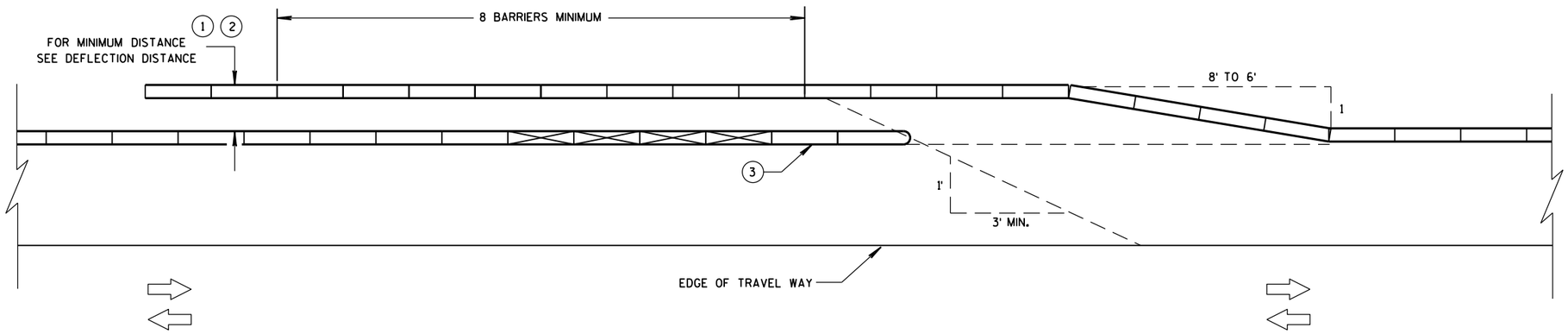
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

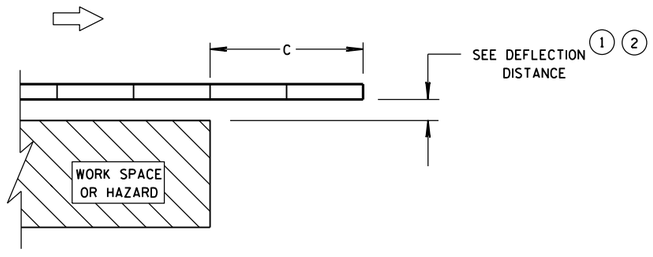
S.D.D. 14 B 8-2b



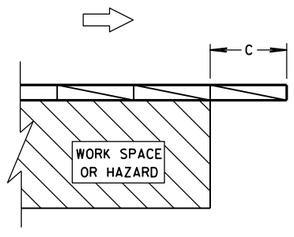
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

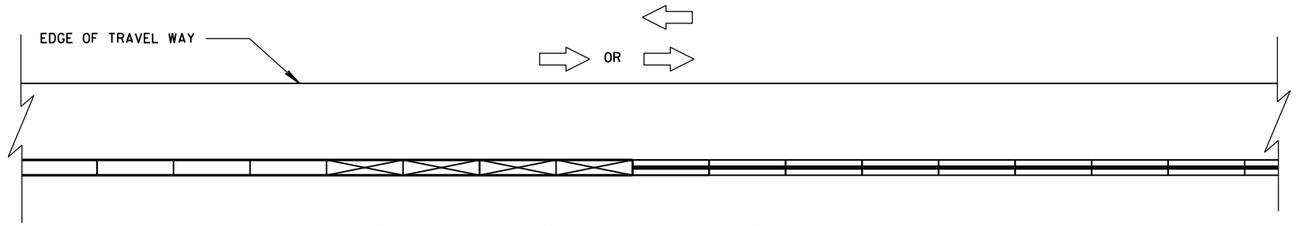
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

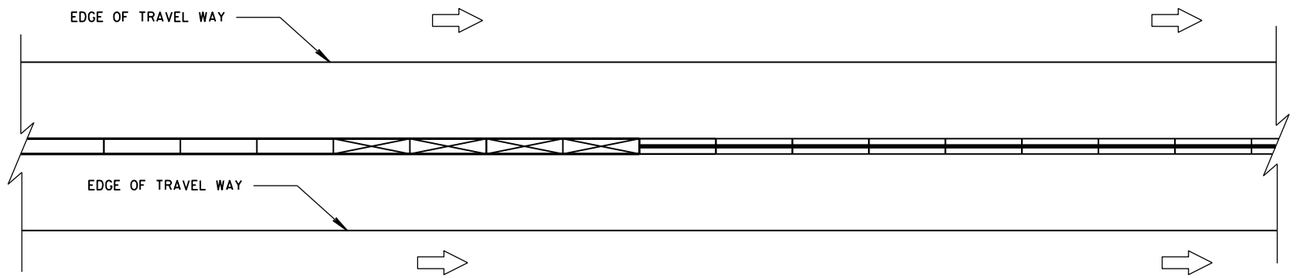
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



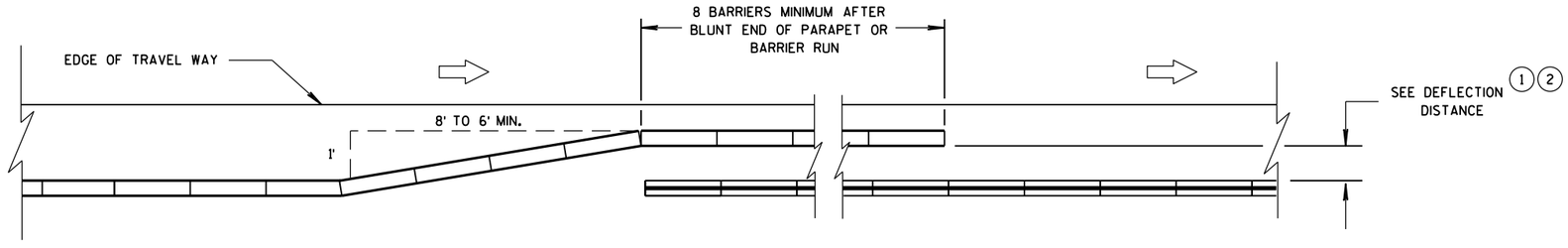
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



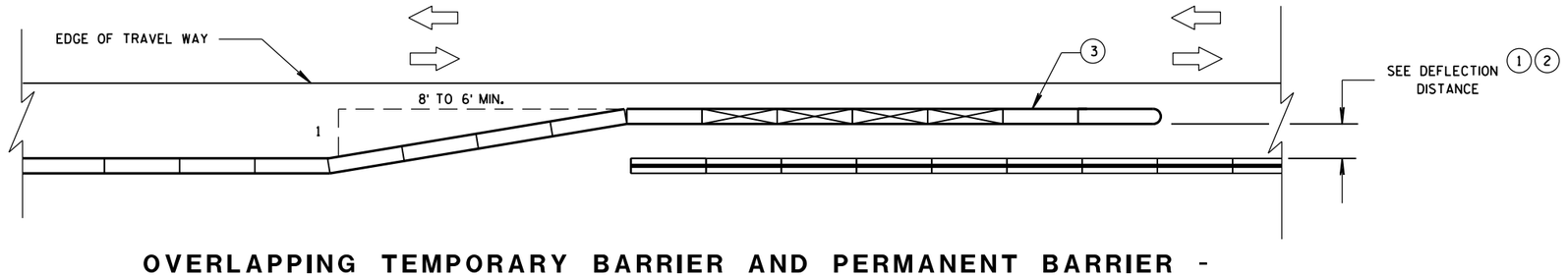
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

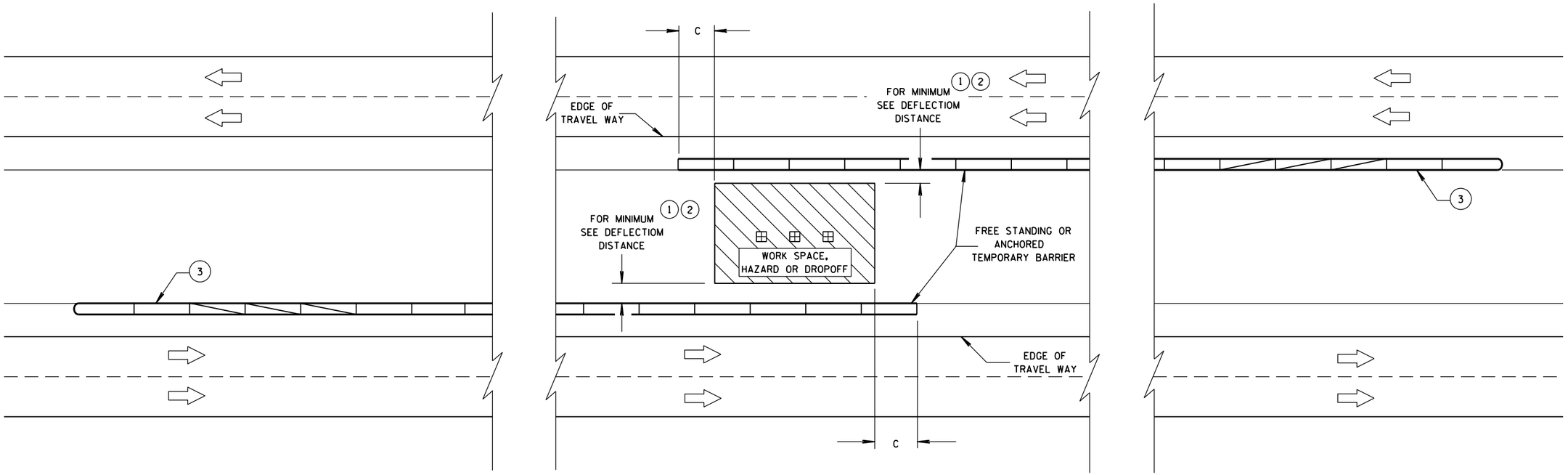
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



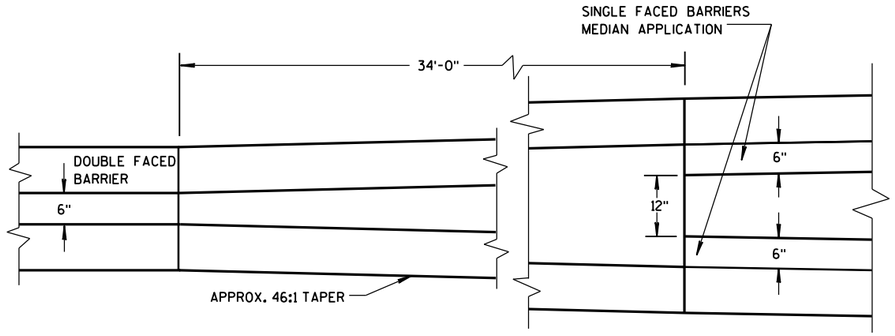
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINNER
FHWA

6

S.D.D. 14 B 8-2e



PLAN VIEW

TRANSITION DETAILS OF DOUBLE FACED TO SINGLE FACED CONCRETE MEDIAN BARRIER

(FOOTINGS ARE NOT SHOWN)

GENERAL NOTES

SPLICES OF LONGITUDINAL BARS SHALL BE MADE WITH BARS LAPPED AT LEAST 18-INCHES AND FIRMLY TIED OR FASTENED TOGETHER.

ALL BAR STEEL REINFORCEMENT SHALL CONFORM TO REQUIREMENTS OF AASHTO M31, GRADE 60.

(1) BARRIER SHALL BE INSTALLED ON A CONCRETE SHOULDER INSTEAD OF THE CONCRETE FOOTING WHEN SPECIFIED OR SHOWN ELSEWHERE IN CONTRACT.

(2) OPENINGS FOR DRAINAGE SHALL BE PLACED AT LOW POINTS OF VERTICAL CURVES OR WHERE DIRECTED BY THE ENGINEER.

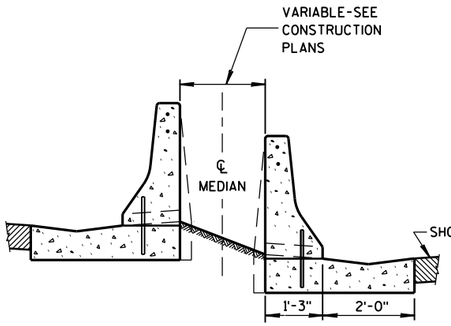
(3) 3/4-INCH BEVEL OR 1-INCH RADIUS (TYPICAL).

(4) NO. 4 BARS SHALL BE CONTINUED THROUGH CONSTRUCTION JOINTS.

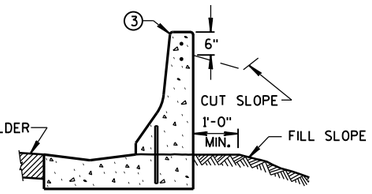
(5) EXPANSION JOINTS SHALL BE PLACED AT EXISTING EXPANSION JOINTS IN THE PAVEMENT AND AT STRUCTURES. SEE REINFORCEMENT AT BARRIER END DETAIL.

(6) SAWED CONTRACTION JOINTS SHALL BE PROVIDED ACROSS THE FULL WIDTH OF THE BARRIER FOOTING, AND IN FRONT, TOP AND BACK FACE OF THE BARRIER AT EXISTING PAVEMENT JOINTS AND AT UNIFORM INTERVALS BETWEEN WITH A MAXIMUM SPACING OF 25 FEET.

HIGH SIDE
CONCRETE BARRIER DETAIL

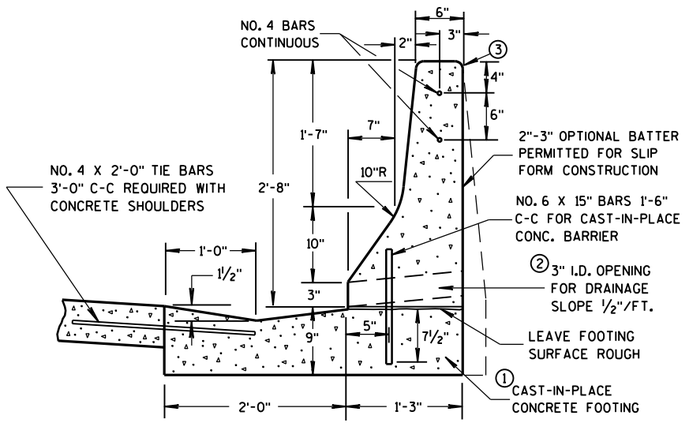


MEDIAN

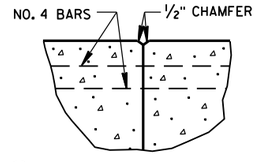


SHOULDER

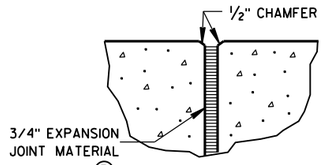
TYPICAL APPLICATIONS



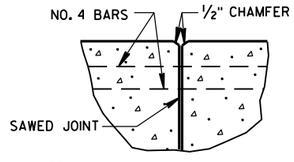
SECTION VIEW



4 CONSTRUCTION JOINT



5 EXPANSION JOINT



6 CONTRACTION JOINT

JOINT DETAILS

CONCRETE BARRIER,
SINGLE-FACED
(WITH ANCHORAGE)

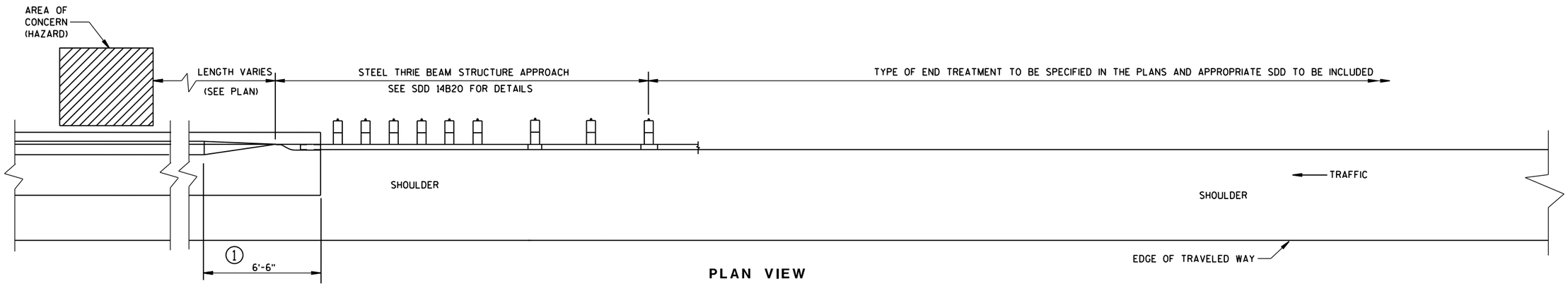
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 693

6

S.D.D. 14 B 22-6a

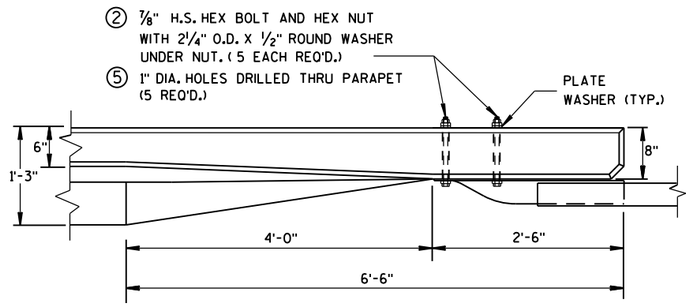
6

S.D.D. 14 B 22-6a



PLAN VIEW

TRANSITION TO STEEL PLATE BEAM GUARD AND END TERMINAL



PLAN VIEW

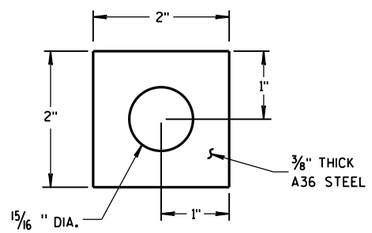
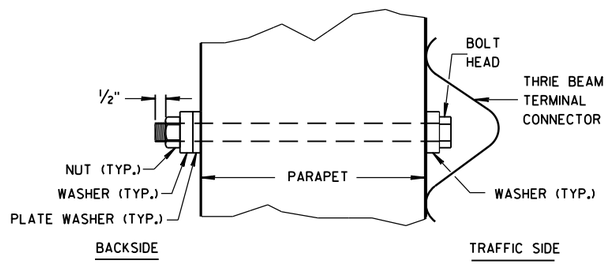


PLATE WASHER DETAIL



THRIE BEAM BOLT DETAIL

GENERAL NOTES

① A SPECIAL END IS REQUIRED ON THE CONCRETE BARRIER TO TRANSITION TO A CONNECTION WITH THE STEEL THRIE BEAM STRUCTURE APPROACH. SEE THE DETAILS ON THIS SHEET.

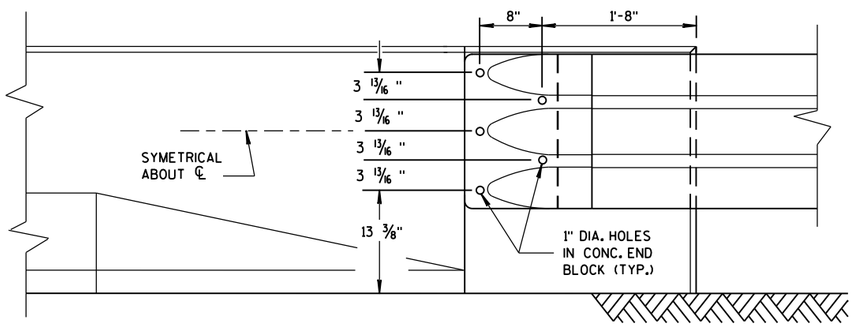
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

③ REINFORCEMENT REQUIRED AT EXPANSION JOINTS AND WHERE CONCRETE BARRIER IS TERMINATED.

④ PLACE REINFORCEMENT SUCH THAT IT WILL NOT CONFLICT WITH THE BOLT HOLES IN THE THRIE BEAM TERMINAL CONNECTOR.

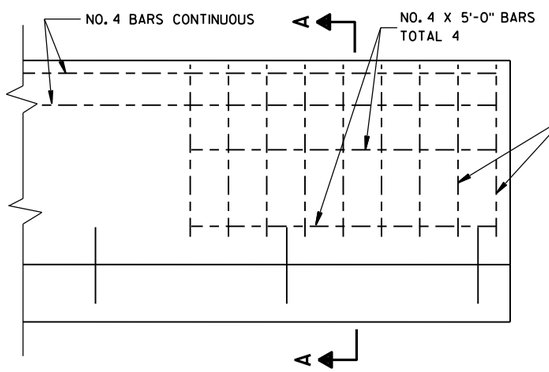
⑤ INCLUDE THE PAYMENT FOR DRILLING BOLT HOLES THROUGH THE PARAPET, AND ALL BOLTS, NUTS AND WASHERS IN THE ITEM "STEEL THRIE BEAM STRUCTURAL APPROACH".

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

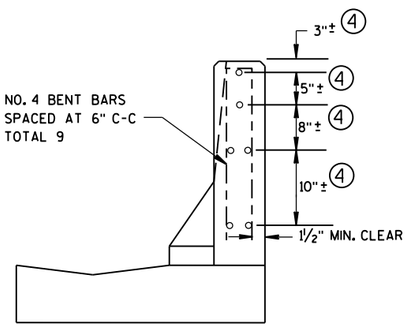


FRONT VIEW

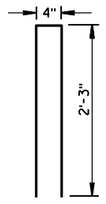
CONCRETE BARRIER TRANSITION TO THRIE BEAM



FRONT VIEW



SECTION A-A



BENT BAR DETAIL

③ REINFORCEMENT AT BARRIER END

CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 14 B 22-6b

6

S.D.D. 14 B 22-6b

GENERAL NOTES

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

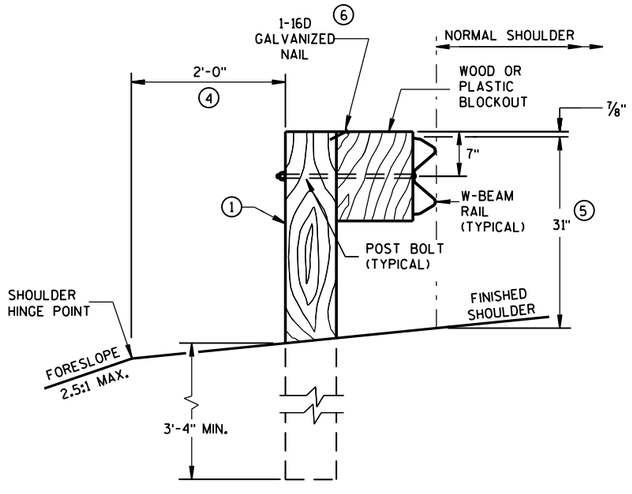
(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

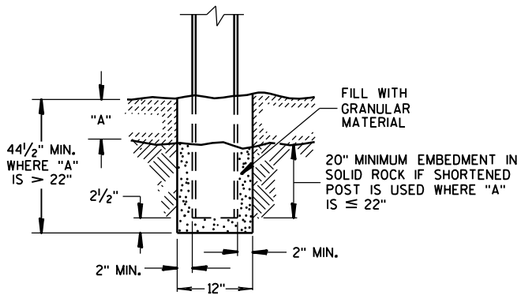
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



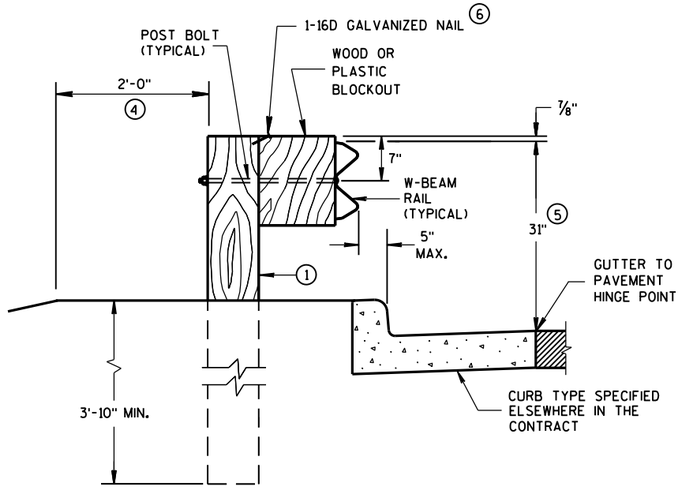
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



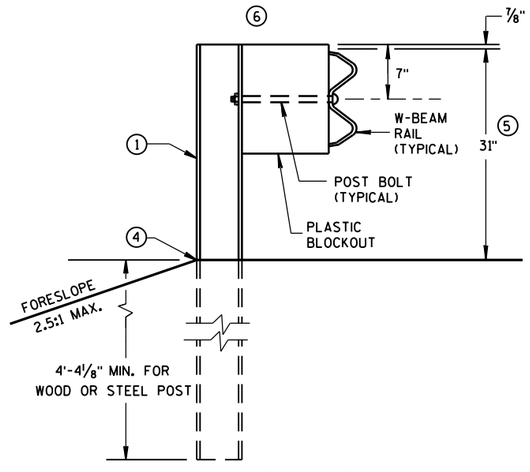
END VIEW

SETTING STEEL OR WOOD POST IN ROCK (3)



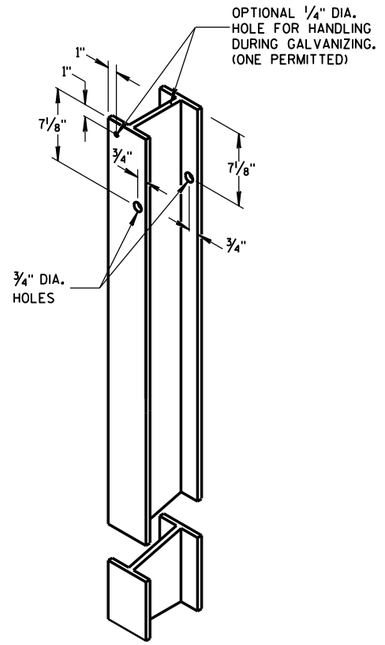
END VIEW

LOCATED ALONG A CURBED ROADWAY

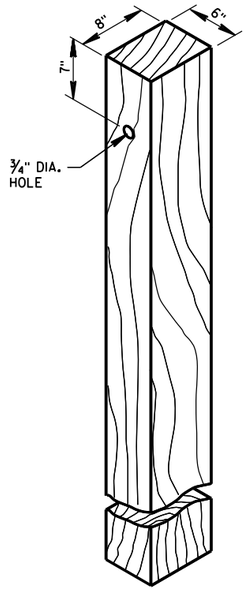


END VIEW

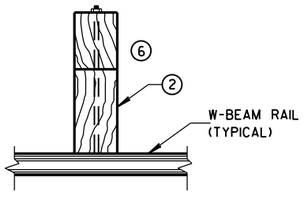
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



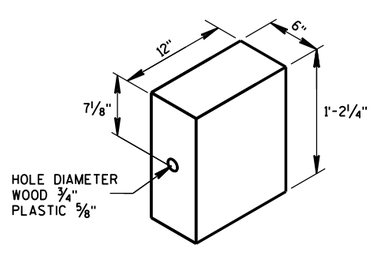
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) (1)



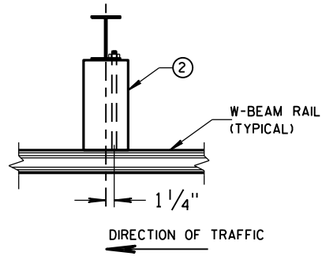
WOOD POST
(6" X 8") NOMINAL (1)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT (2)

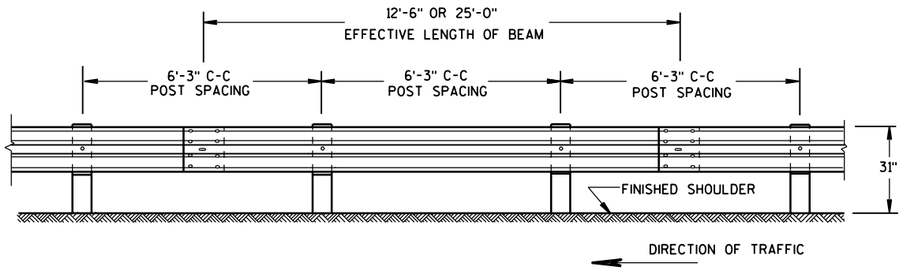


PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

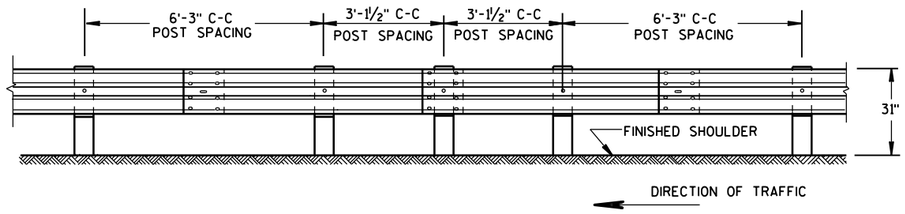
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 42-3a



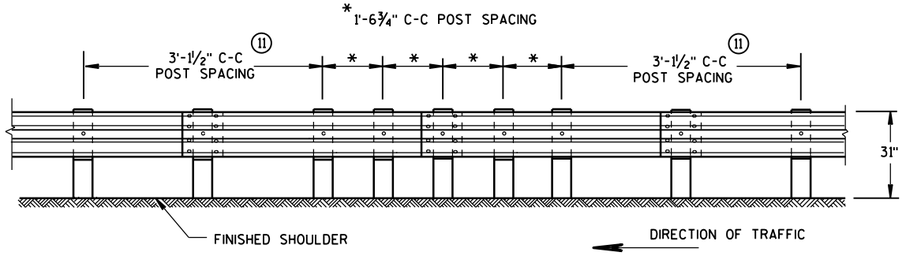
FRONT VIEW

POST SPACING STANDARD INSTALLATION



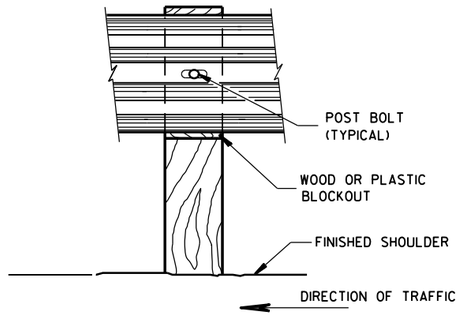
FRONT VIEW

HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

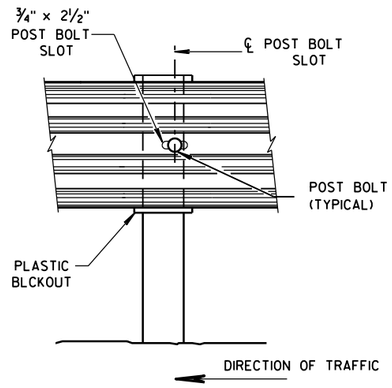


FRONT VIEW

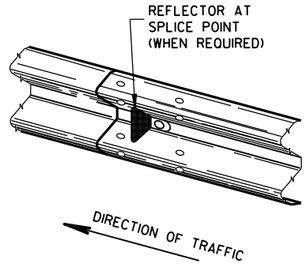
QUARTER POST SPACING (QS)

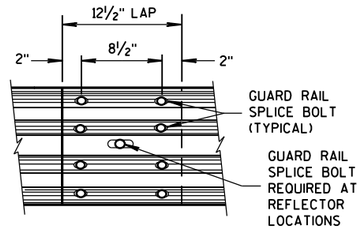


FRONT VIEW AT WOOD POST



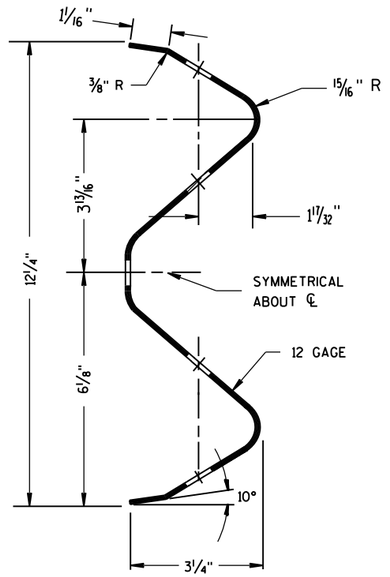
FRONT VIEW AT STEEL POST



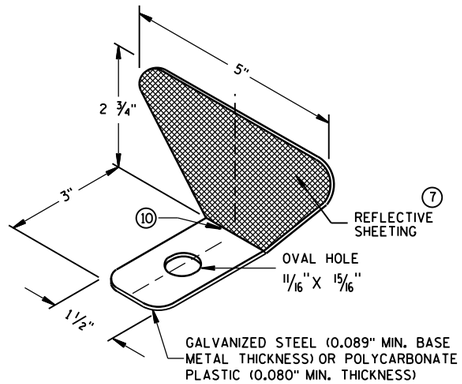


FRONT VIEW

MID-SPAN BEAM SPLICE



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ⑦

GENERAL NOTES

⑦ PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

⑨ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

⑩ PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

⑪ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

REFLECTOR SPACING ⑧

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 ⑨ 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2 ⑩	3

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

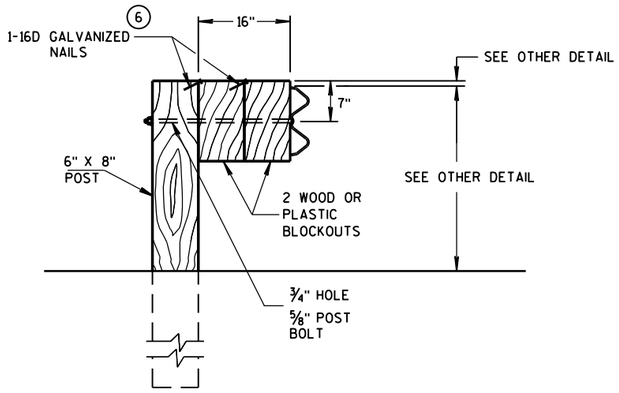
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO 696

6

S.D.D. 14 B 42-3b

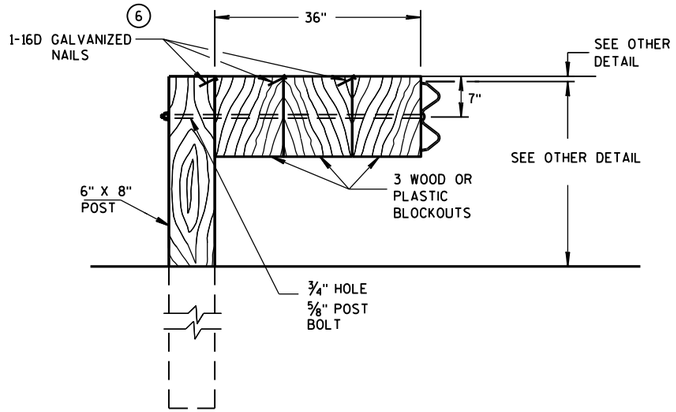
6

S.D.D. 14 B 42-3b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

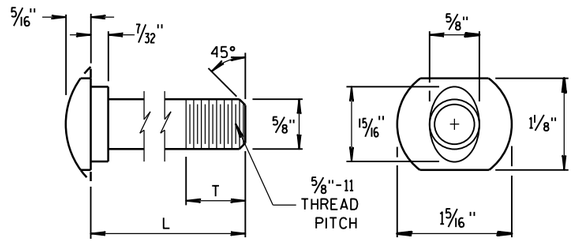


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

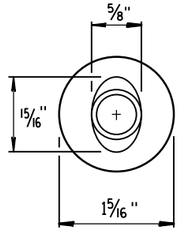
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

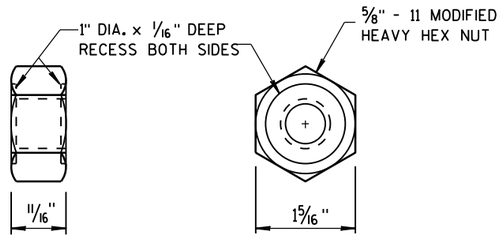


POST BOLT TABLE

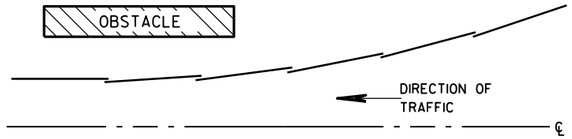
L	T (MIN.)
1¼"	1⅛"
2"	1¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

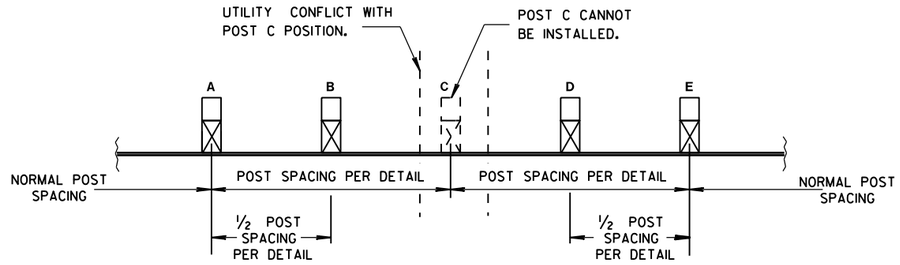


POST BOLT AND RECESS NUT

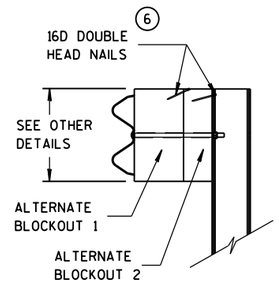


PLAN VIEW

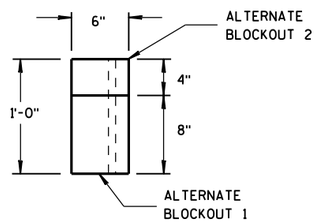
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(G) ½" DIAMETER X 3" LONG LAG BOLT AND WASHER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

(I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

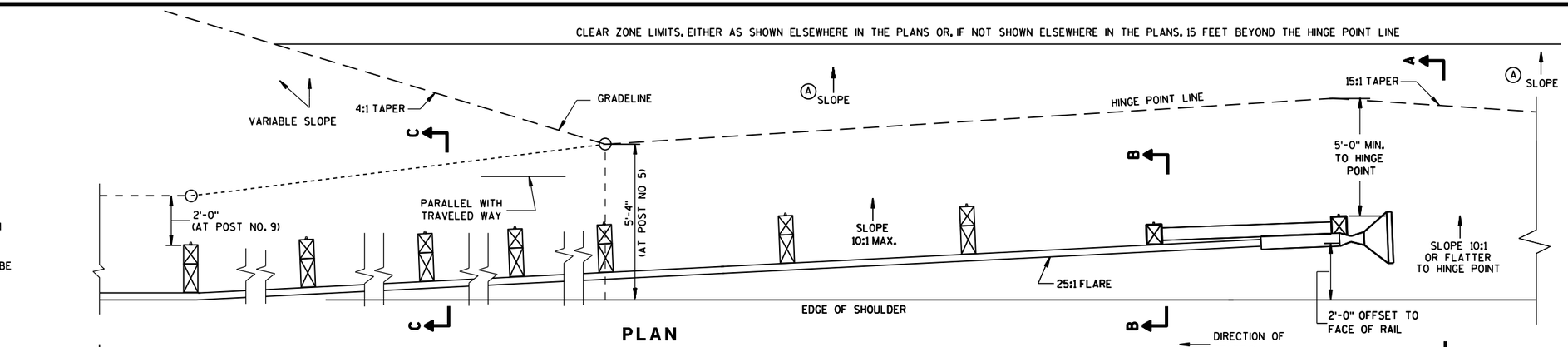
SEE SDD 14B42 FOR MORE INFORMATION.

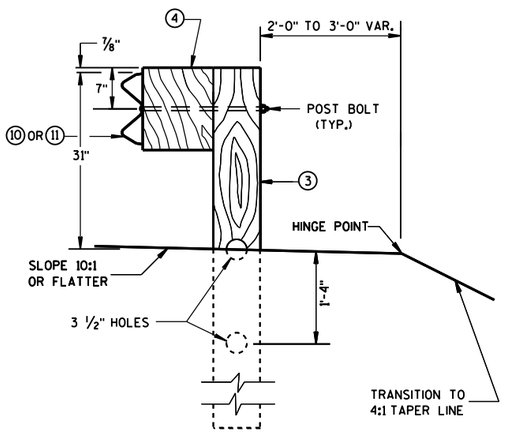
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

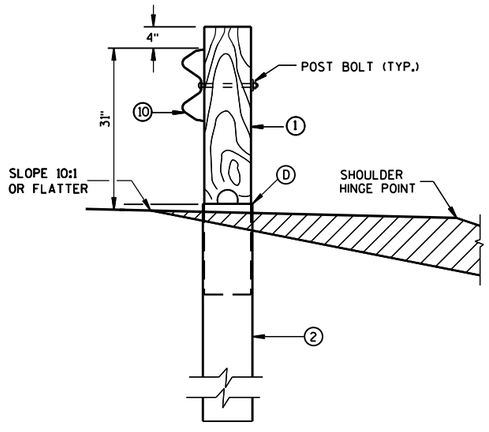
W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.

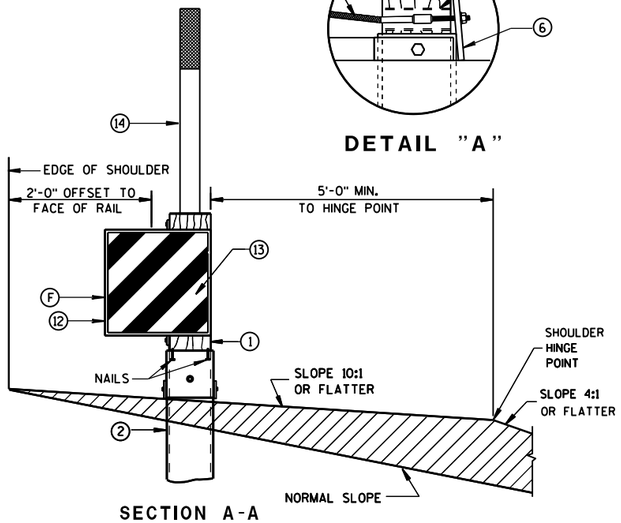




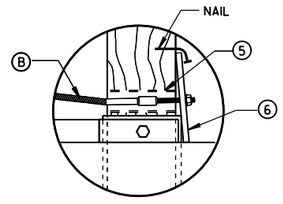
SECTION C-C
TYPICAL AT POST NOS. 3-9



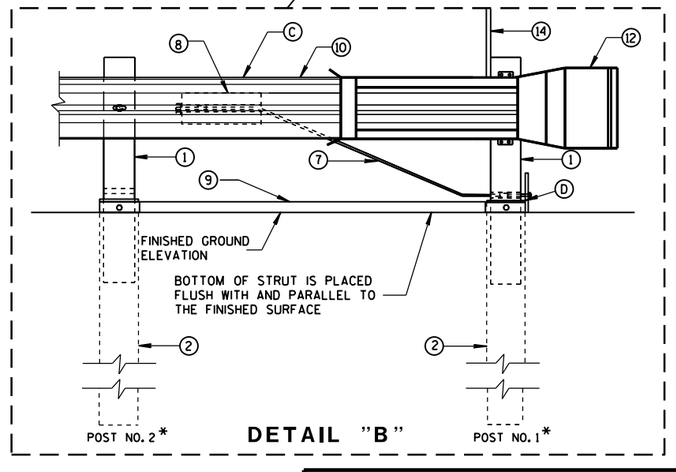
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



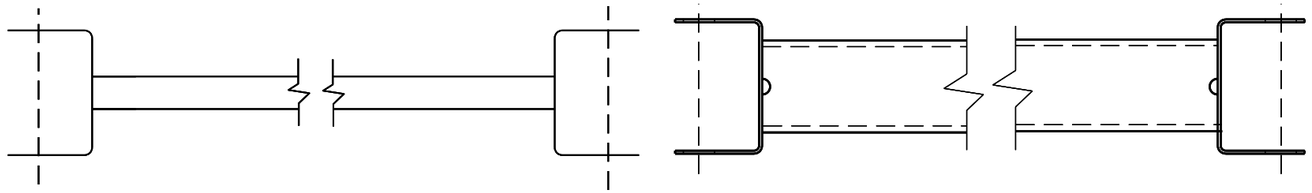
DETAIL "B"

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO 698

S.D.D. 14 B 44-2a

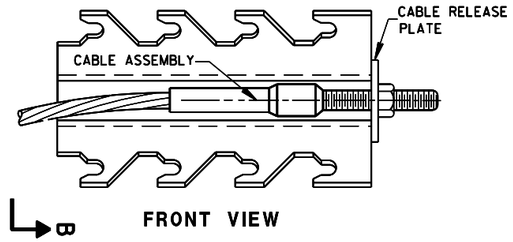
S.D.D. 14 B 44-2a



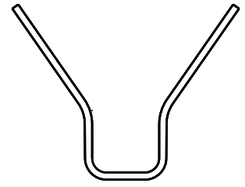
GENERIC GROUND STRUT (9) (H)

BILL OF MATERIALS

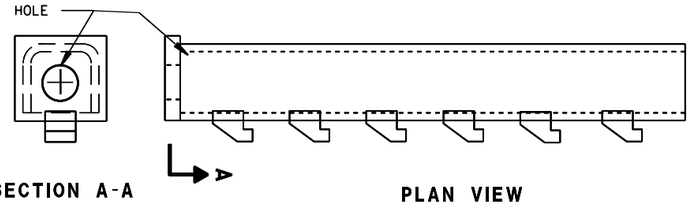
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	WOOD BREAKAWAY POST
(2)	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	END SECTION EAT
(13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
(14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



FRONT VIEW



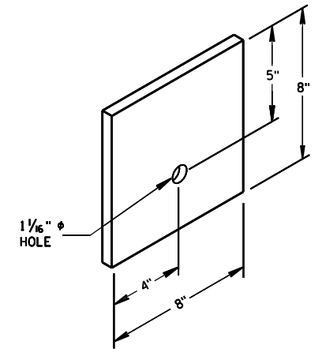
SECTION B-B



SECTION A-A

PLAN VIEW

GENERIC ANCHOR CABLE BOX (8) (H)



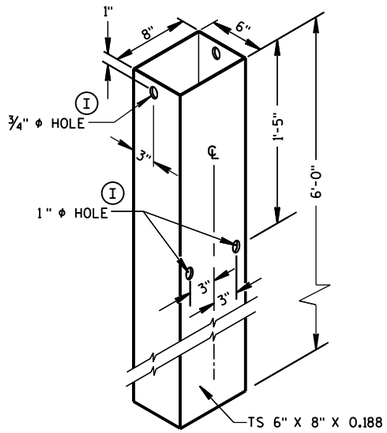
BEARING PLATE (6)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

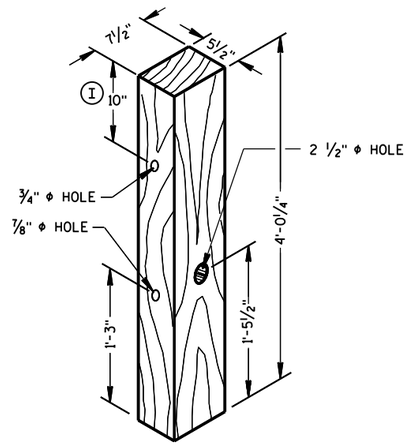
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 44-2b

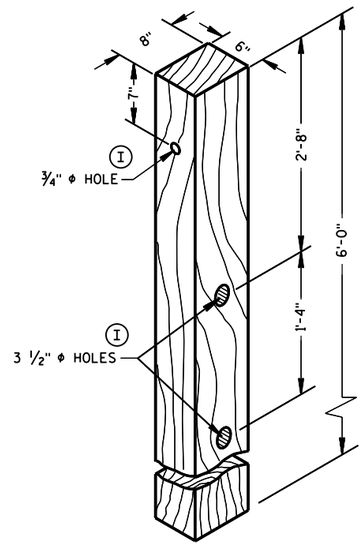


FOUNDATION TUBE (2)



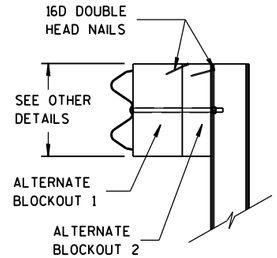
POSTS NUMBER 1 AND 2

WOOD BREAKAWAY POST (1)

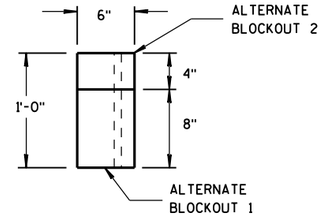


POSTS NUMBER 3-9

WOOD CRT POST (3)

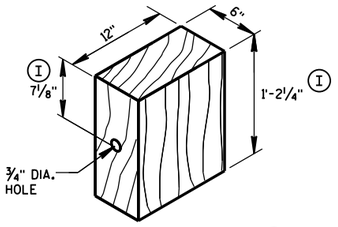


SIDE VIEW



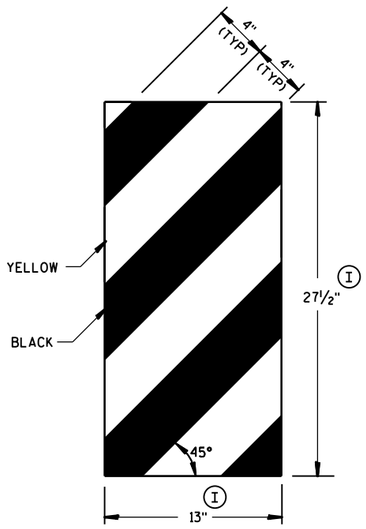
TOP VIEW

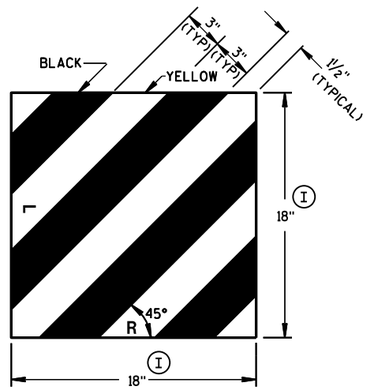
ALTERNATE WOOD BLOCKOUT DETAIL



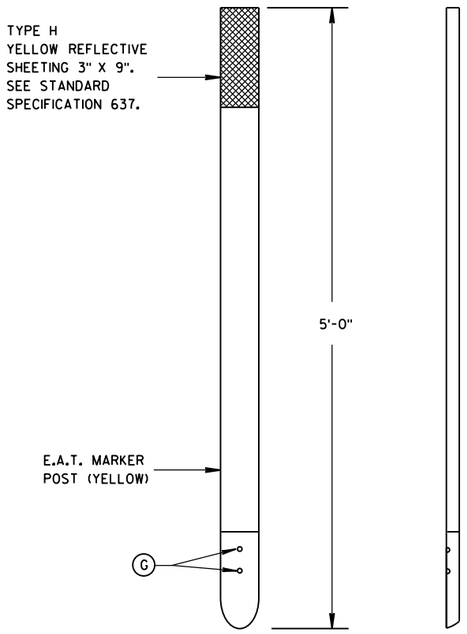
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2





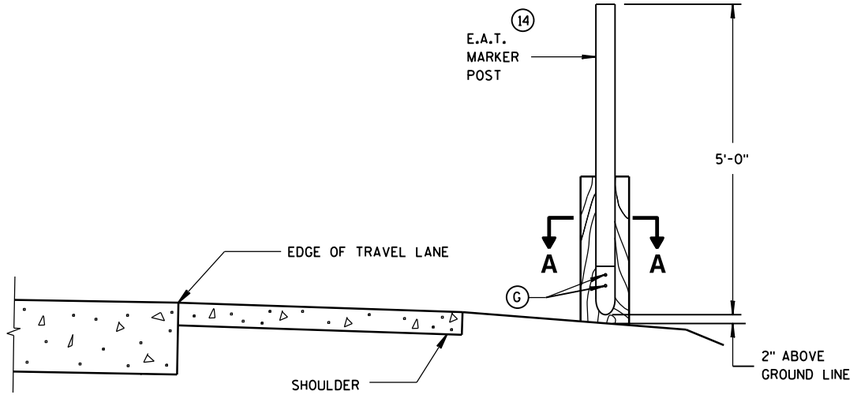
GENERIC REFLECTIVE SHEETING (13) (H)



FRONT VIEW

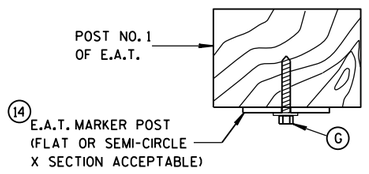
SIDE VIEW

E.A.T. MARKER POST (14)



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

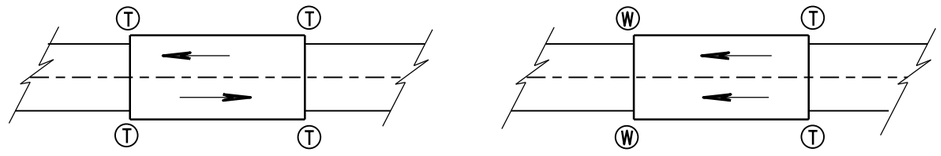
APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 14 B 44-2c

6

S.D.D. 14 B 44-2c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

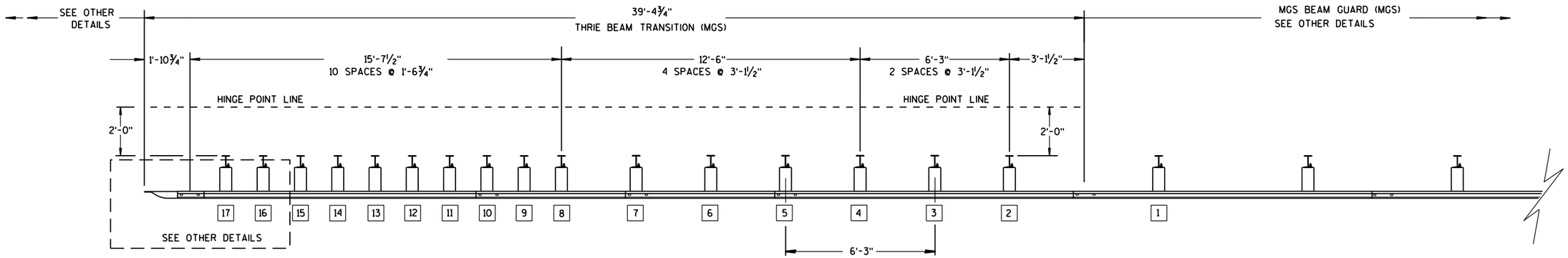
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

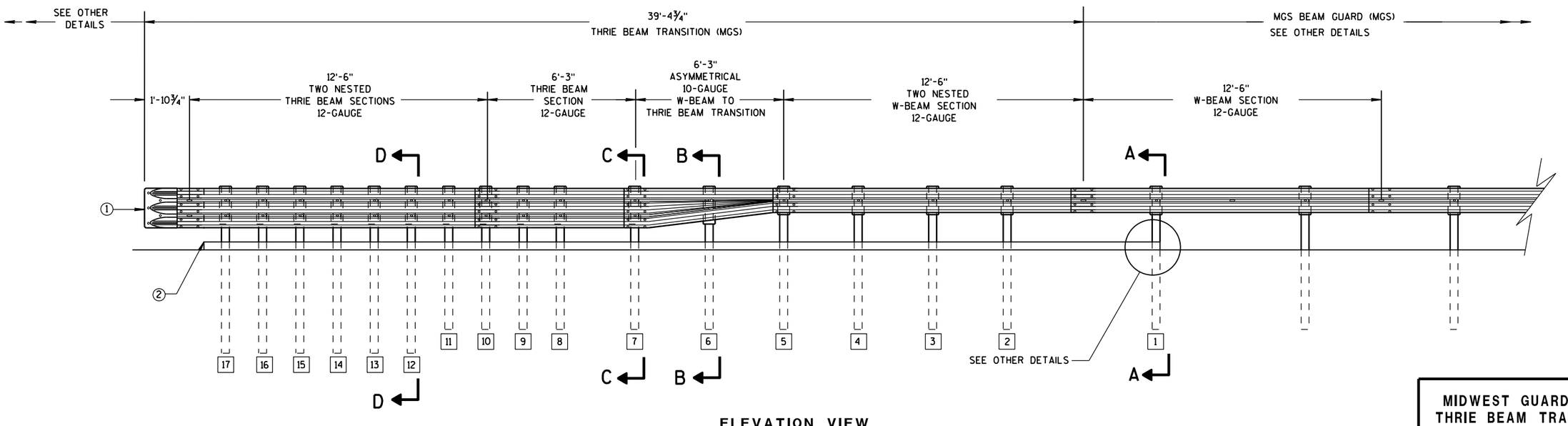
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

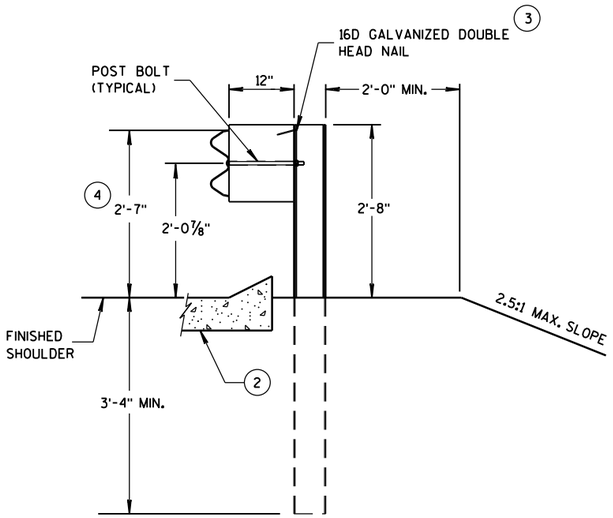
S.D.D. 14 B 45-4a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE_FEATURE SEE PLAN FOR INFORMATION.

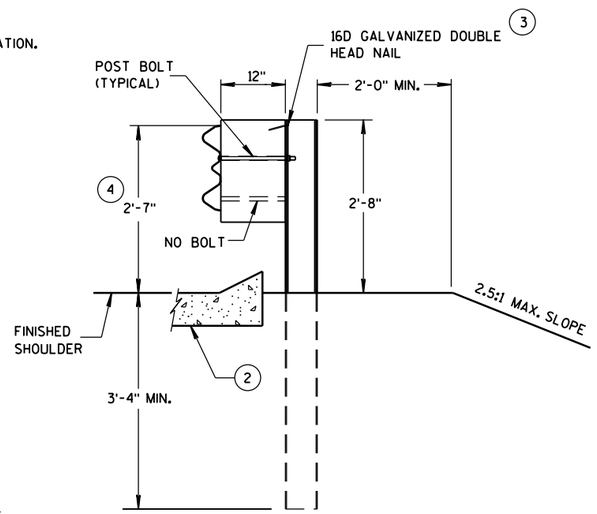
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



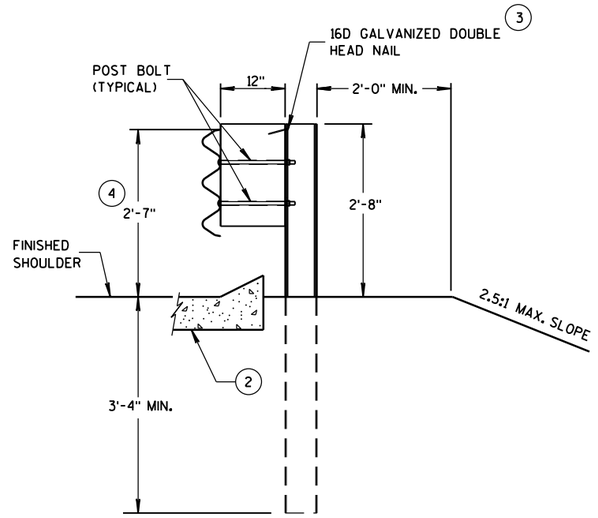
SECTION A-A

POSTS 1-5



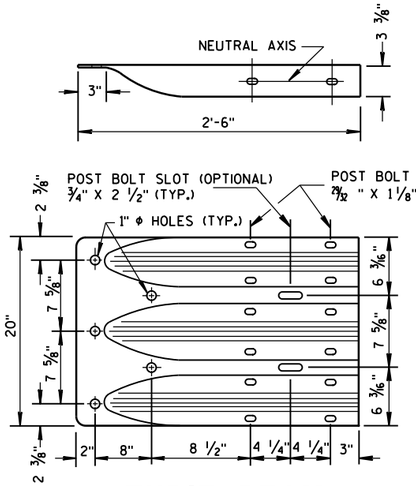
SECTION B-B

POST 6



SECTION C-C

POSTS 7-11



THRIE BEAM TERMINAL CONNECTOR

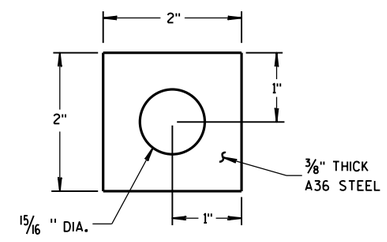
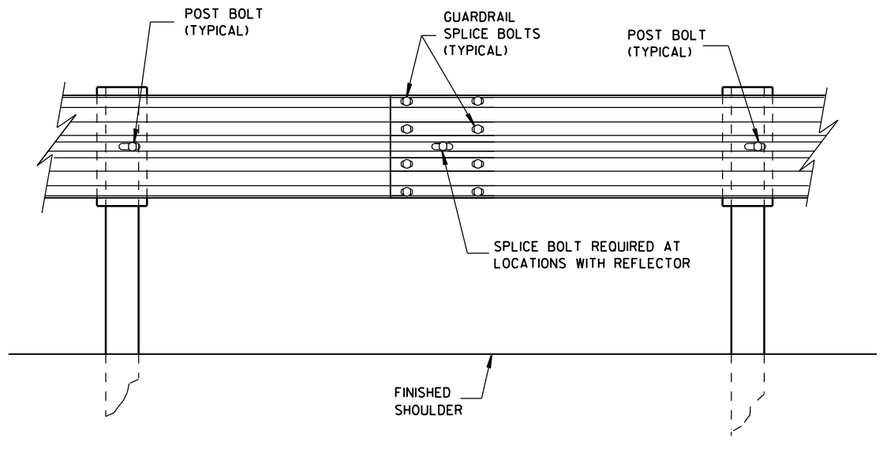
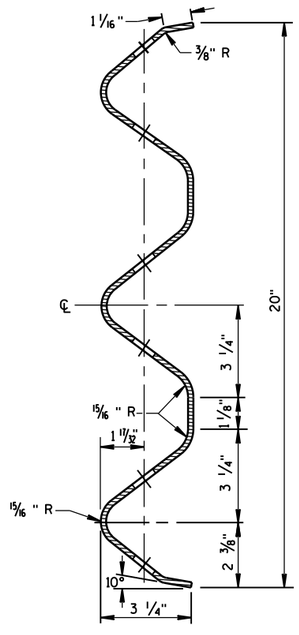


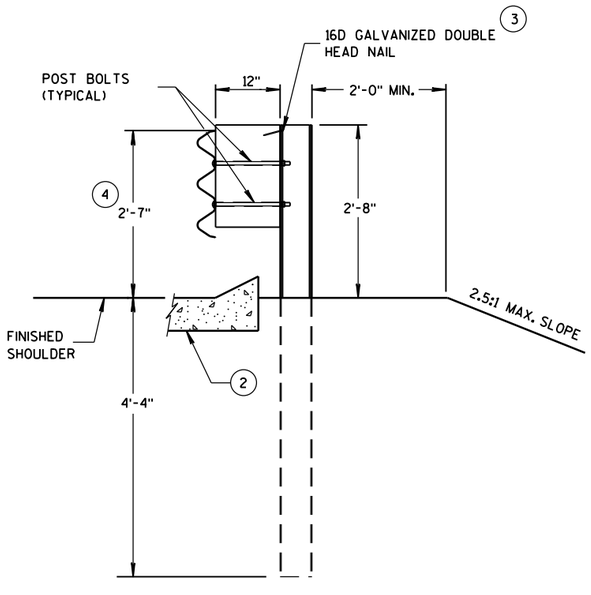
PLATE WASHER DETAIL



SPLICE DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION D-D

POSTS 12-17

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

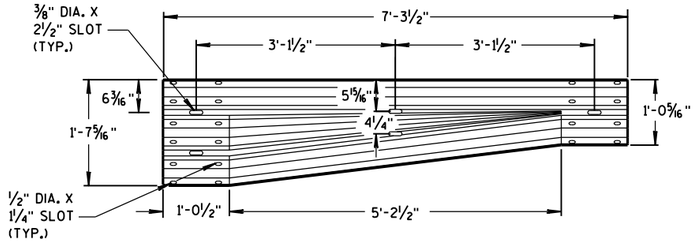
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 702

6

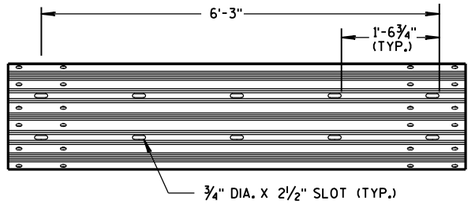
S.D.D. 14 B 45-4b

6

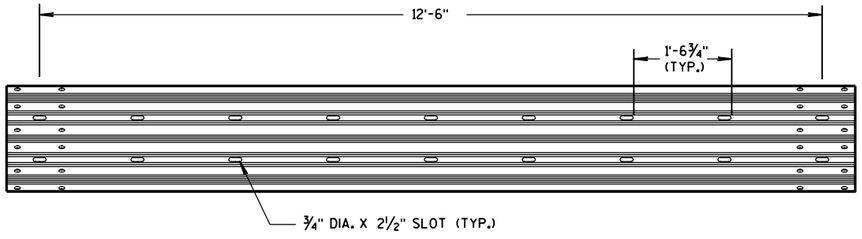
S.D.D. 14 B 45-4b



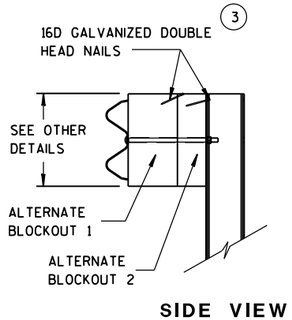
W-BEAM TO THRIE BEAM TRANSITION SECTION



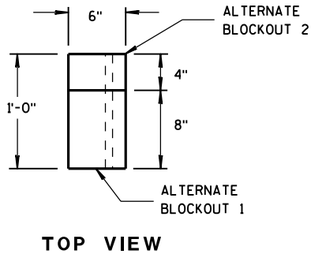
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

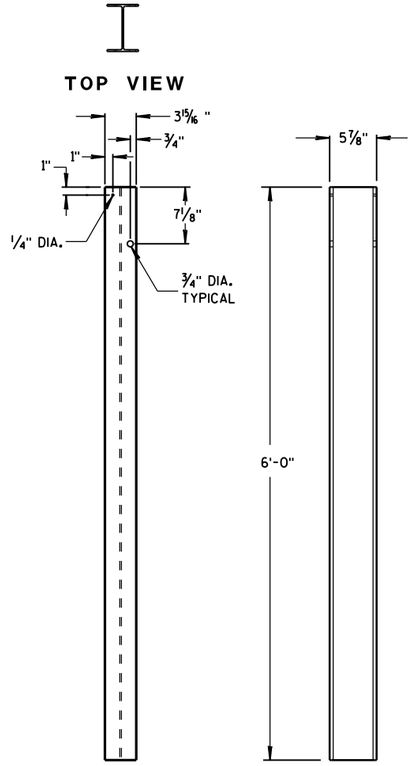


SIDE VIEW

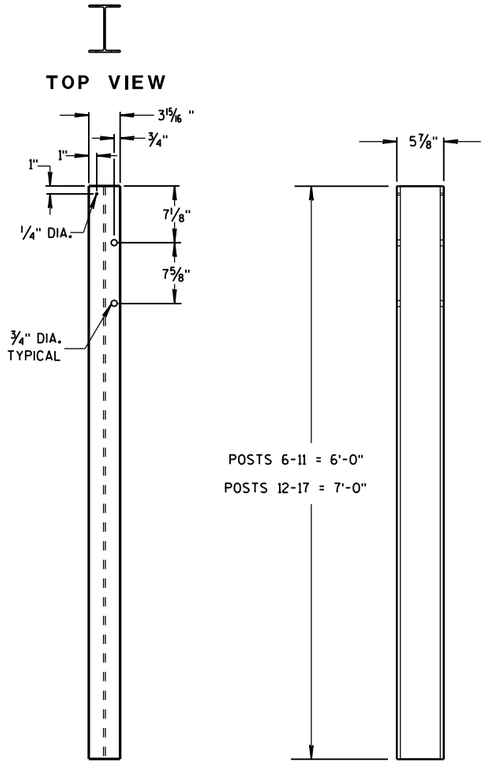


TOP VIEW

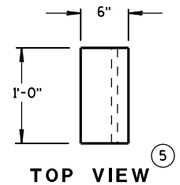
ALTERNATE WOOD BLOCKOUT DETAIL



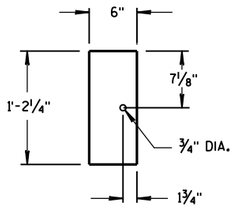
STEEL POSTS 1-5



STEEL POSTS 6-17

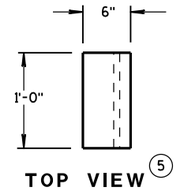


TOP VIEW

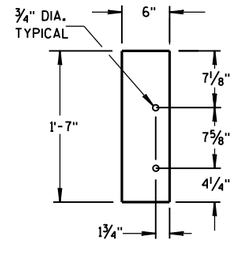


FRONT VIEW

BLOCKOUT POSTS 1-5



TOP VIEW



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

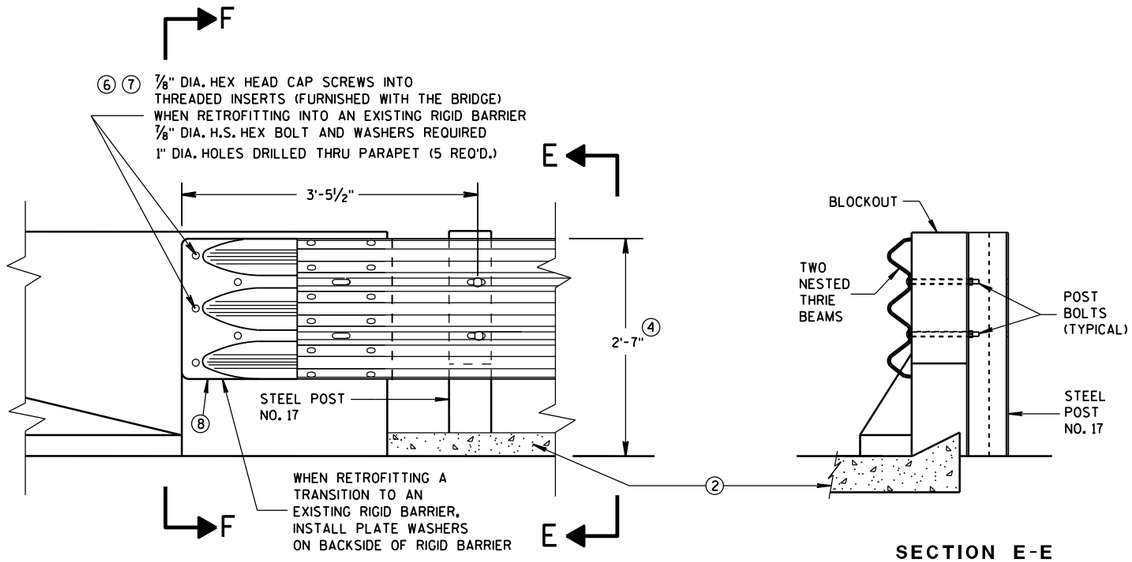
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-4c
S.D.D. 14 B 45-4c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

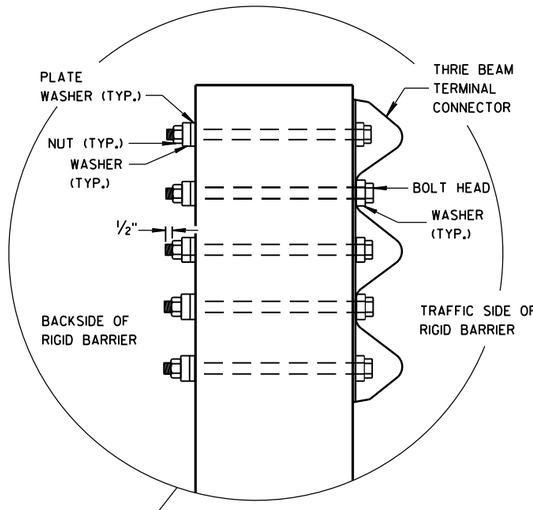
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

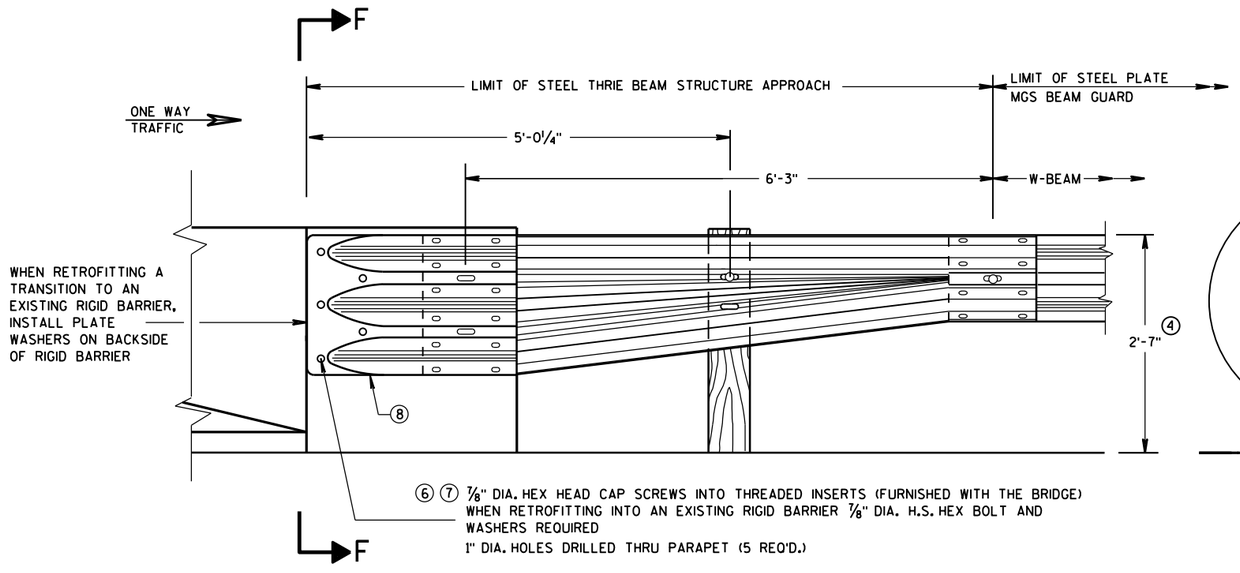
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

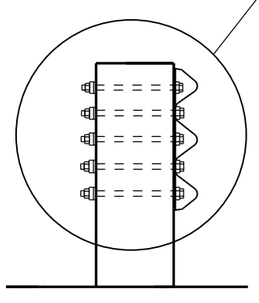
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

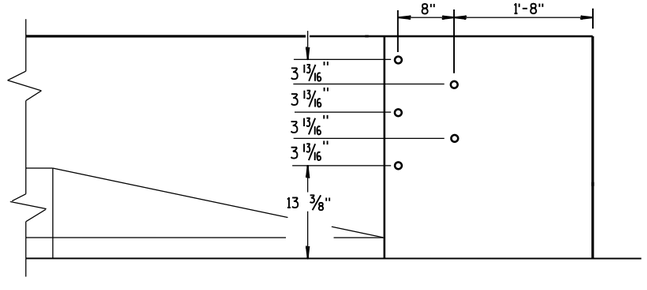




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA
704
NT

6

S.D.D. 14 B 45-4d

6

S.D.D. 14 B 45-4d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

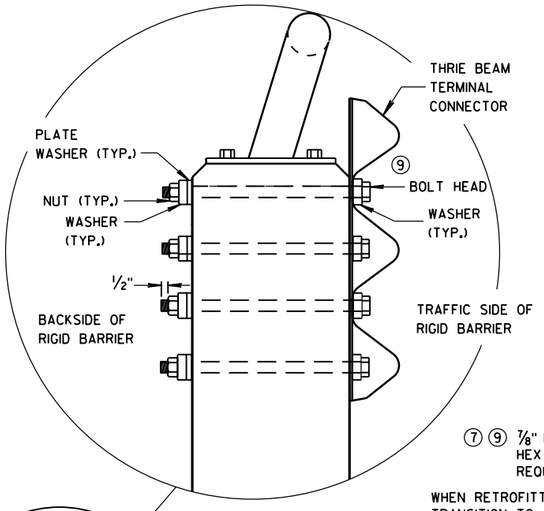
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

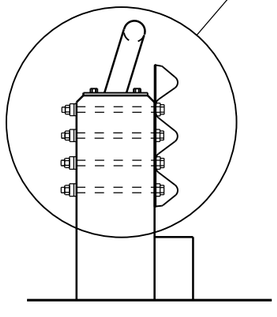
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

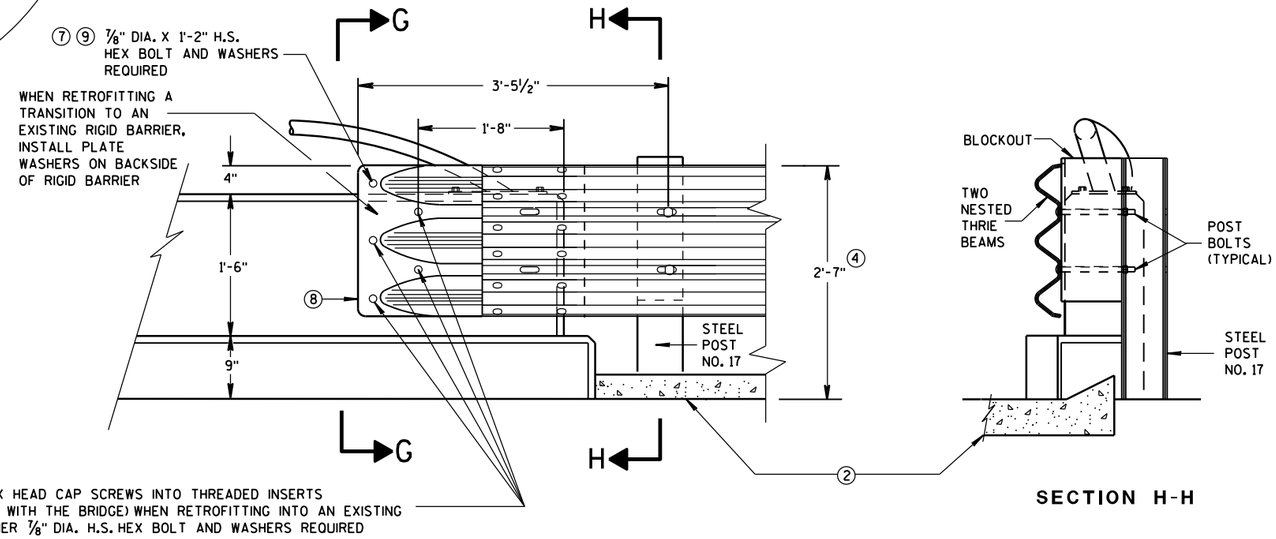
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





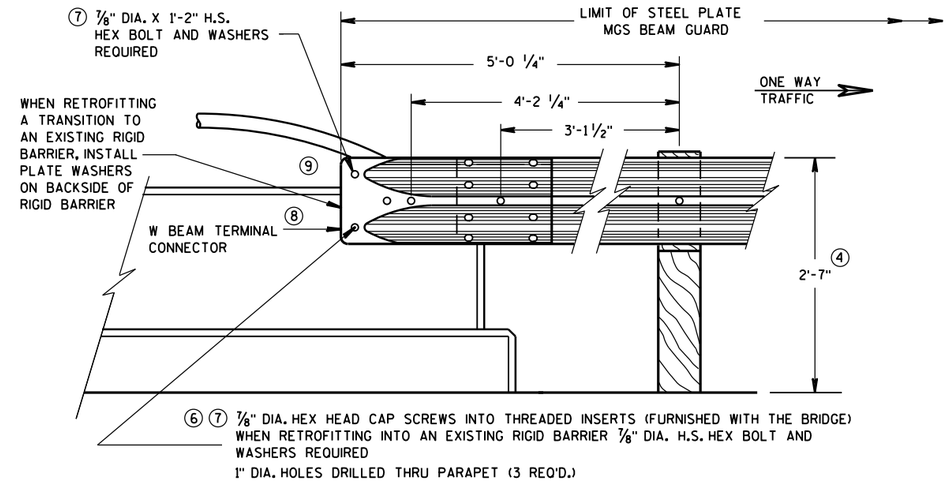
SECTION G-G



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

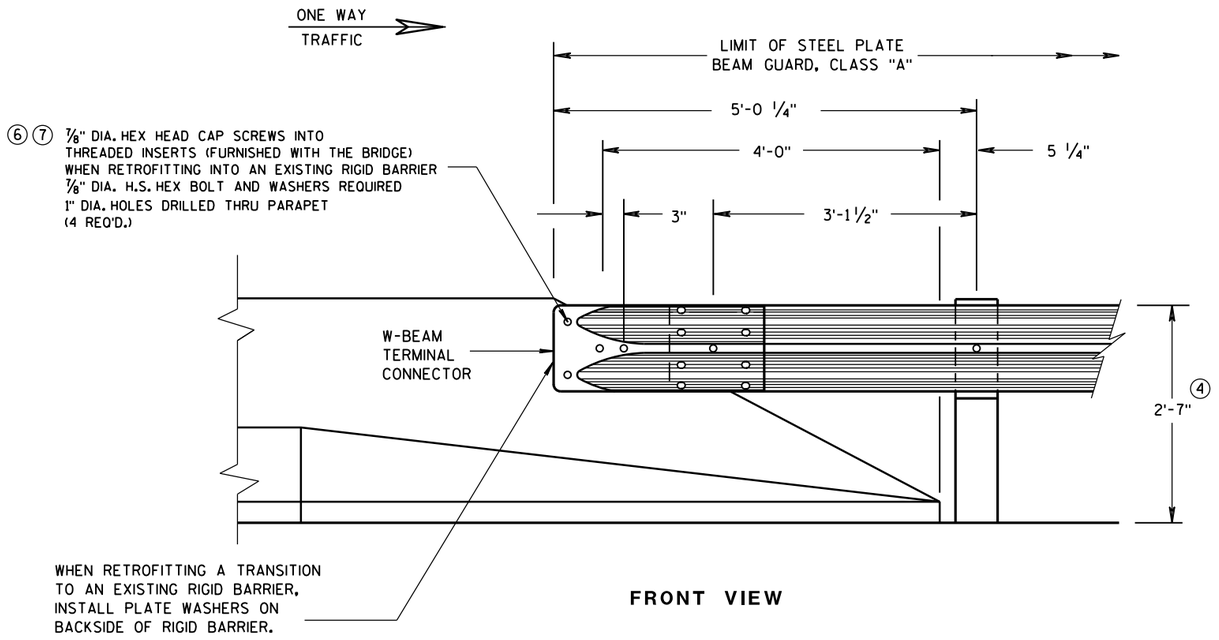
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 45-4e

6

S.D.D. 14 B 45-4e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

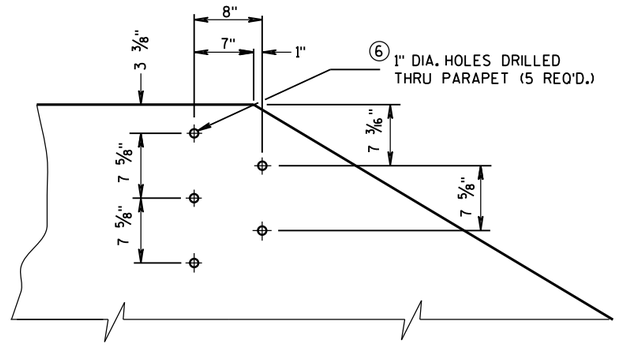
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

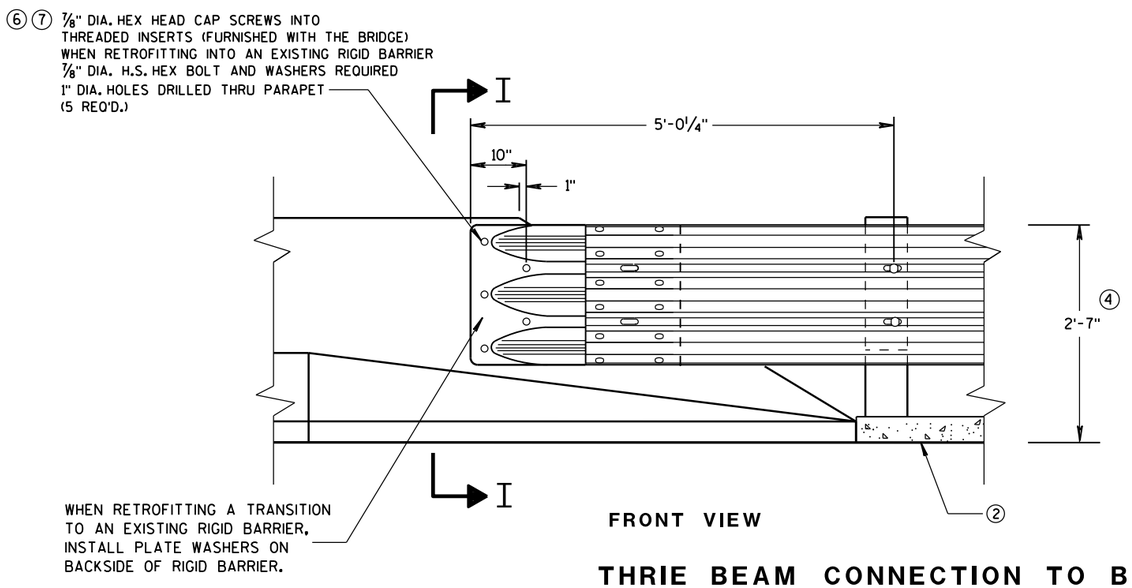
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

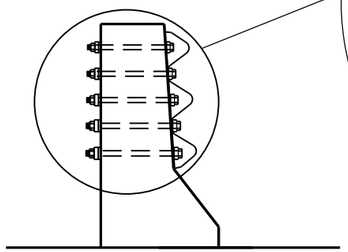
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



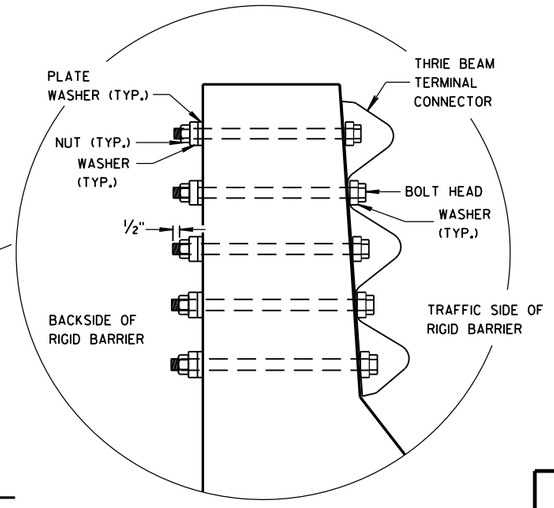
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

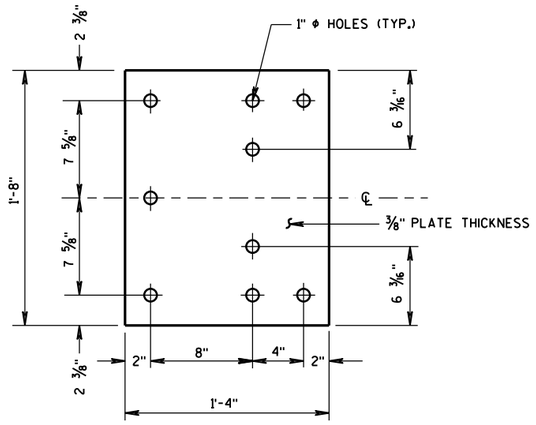
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

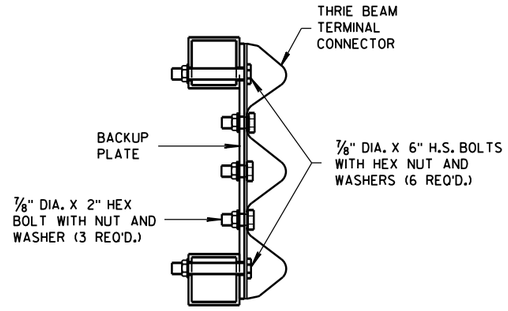
S.D.D. 14 B 45-4f

6

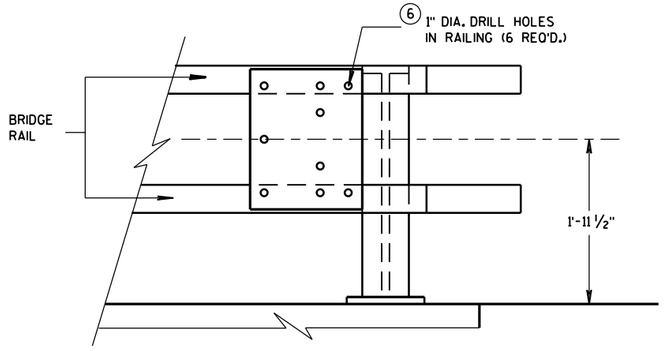
S.D.D. 14 B 45-4f



BACK-UP PLATE DETAIL



SECTION J-J

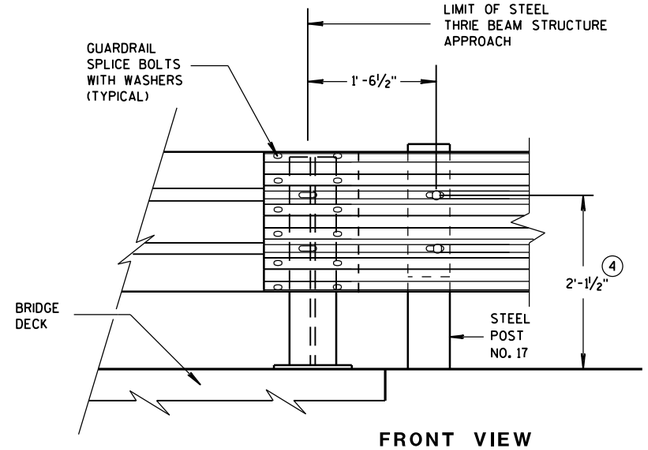


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

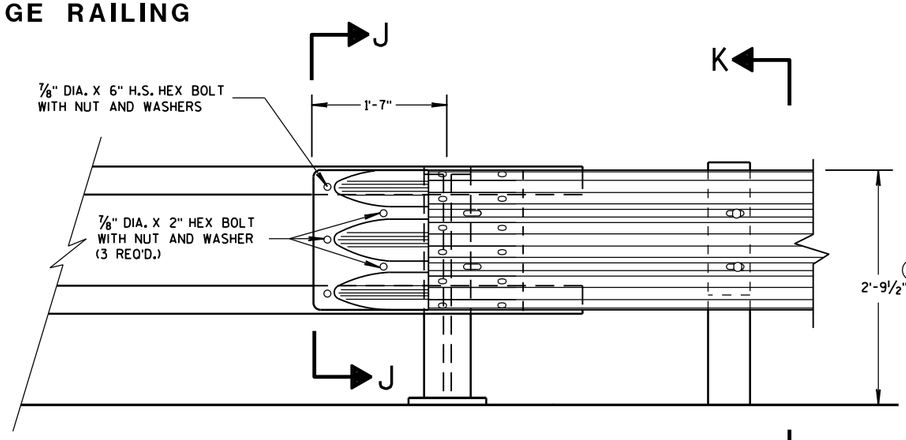
4 TOLERANCE FOR TOP OF BEAM IS ± 1".

6 DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

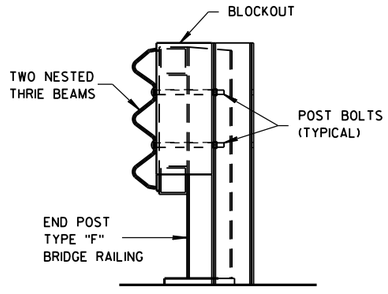


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

707

NT

6

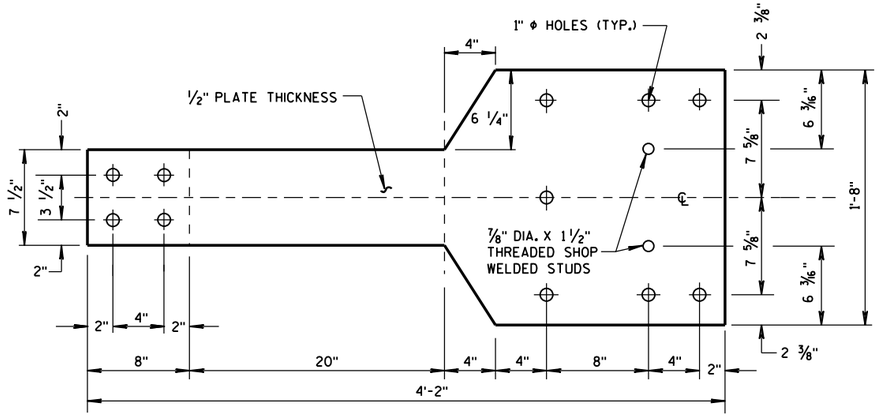
S.D.D. 14 B 45-4g

6

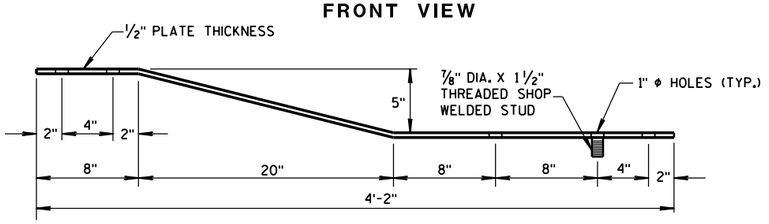
S.D.D. 14 B 45-4g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

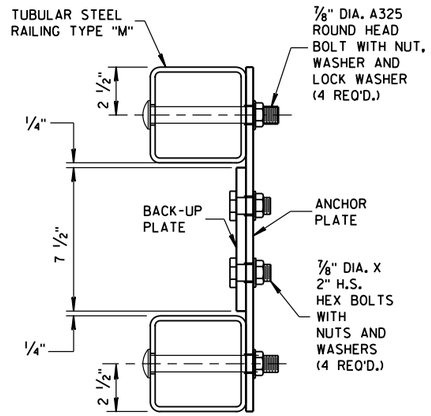


FRONT VIEW

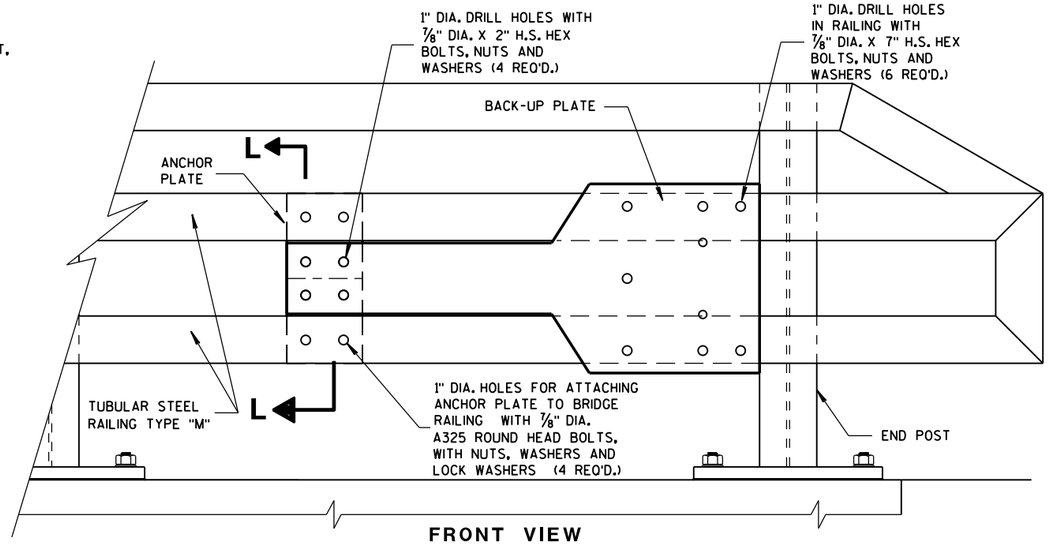


PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

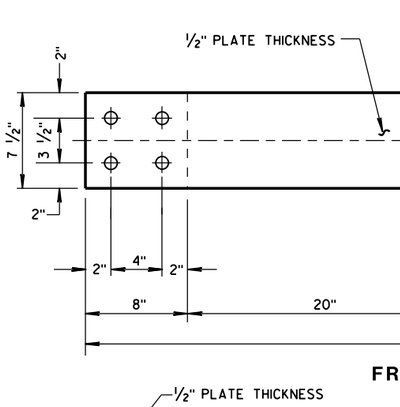


SECTION L-L



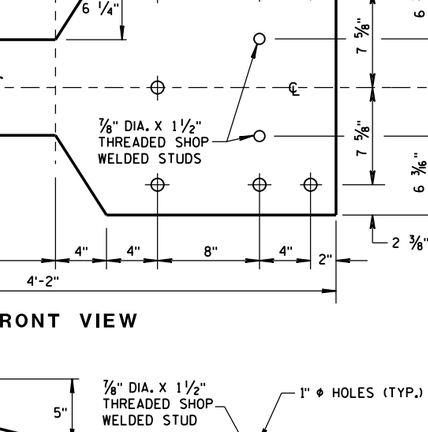
FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"

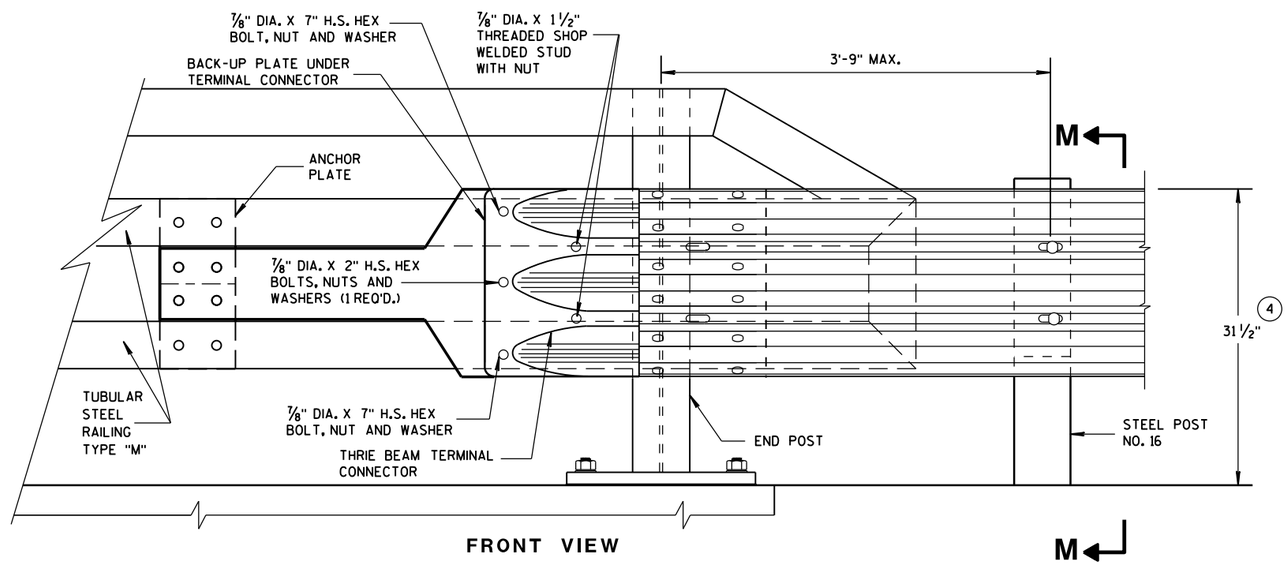


FRONT VIEW

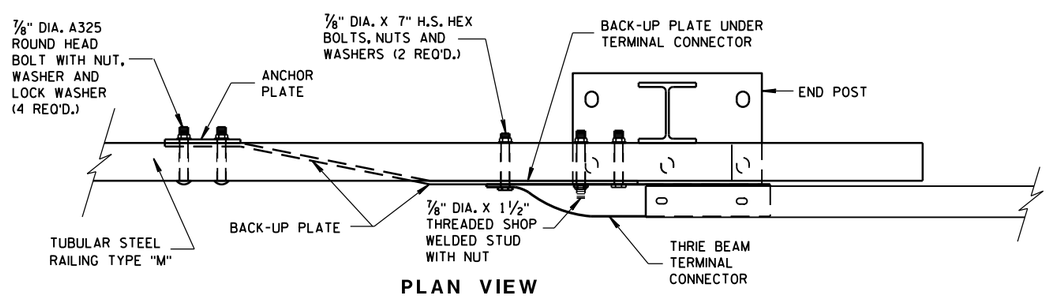
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M



FRONT VIEW



PLAN VIEW

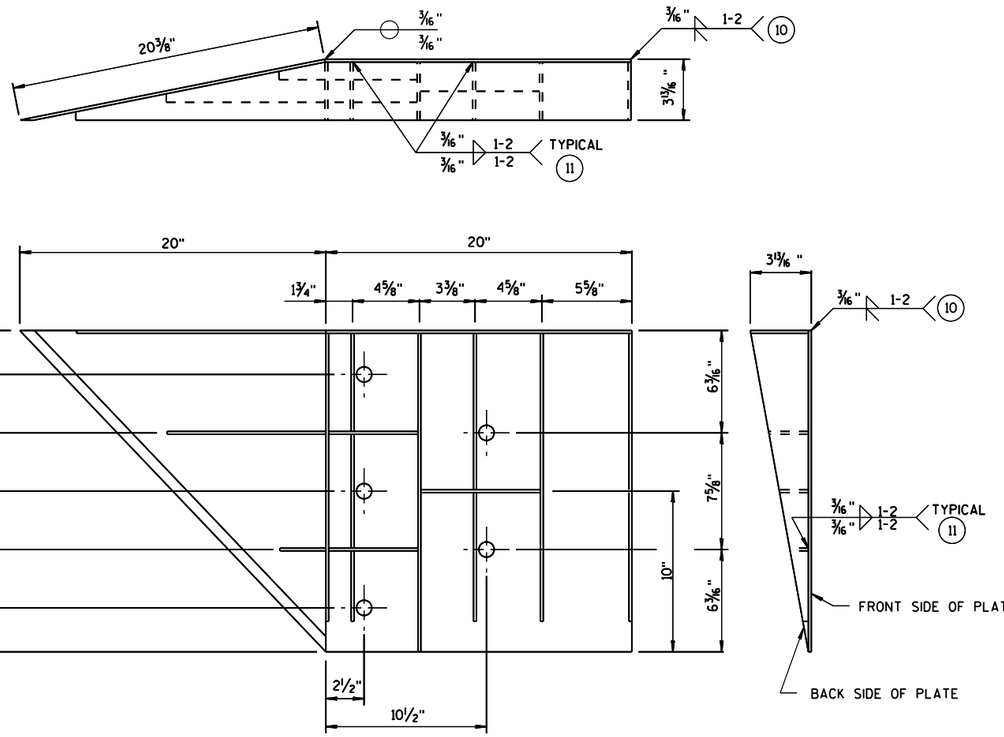
THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

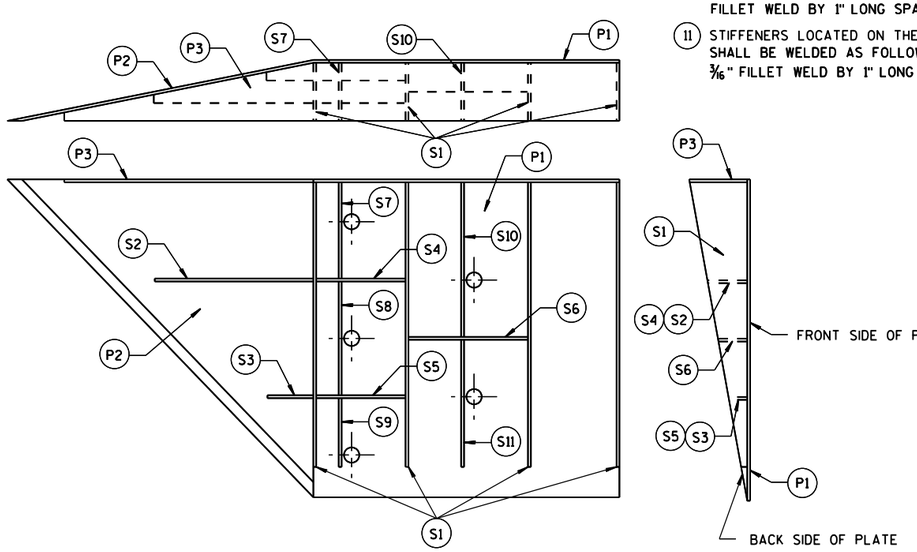


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 3/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

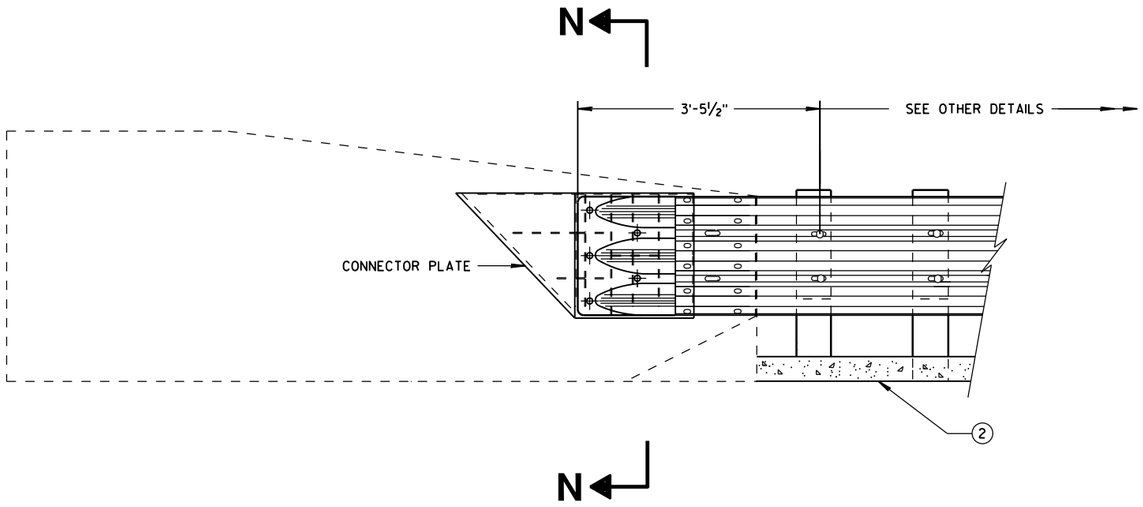
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
709
FHWA

6

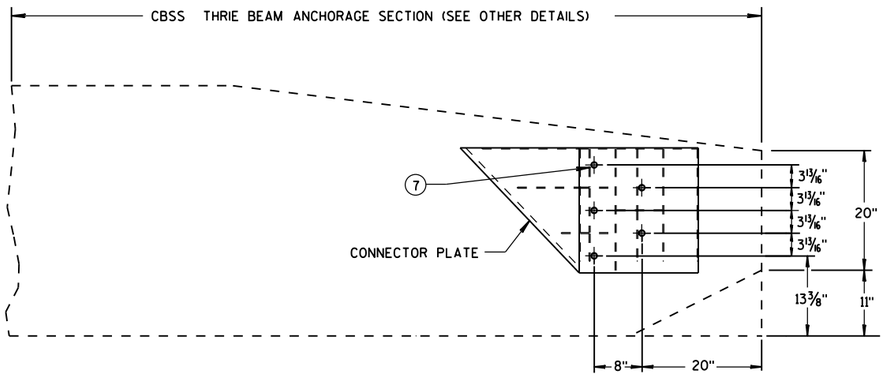
S.D.D. 14 B 45-4i

6

S.D.D. 14 B 45-4i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



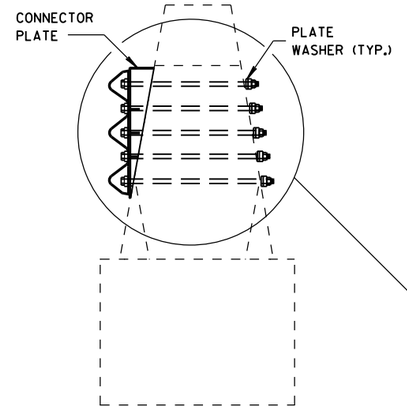
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

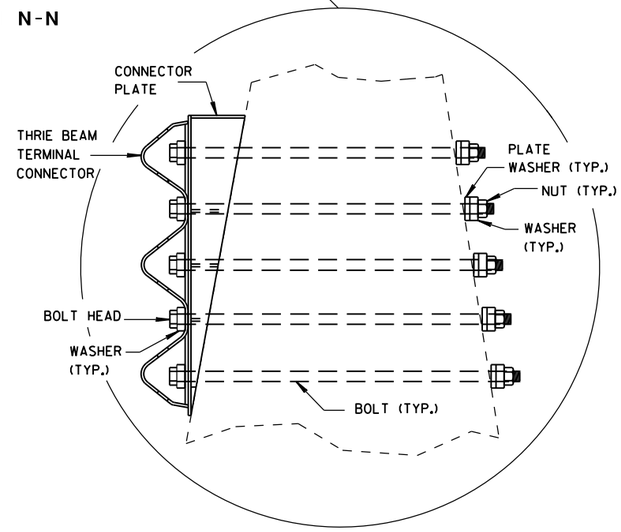
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

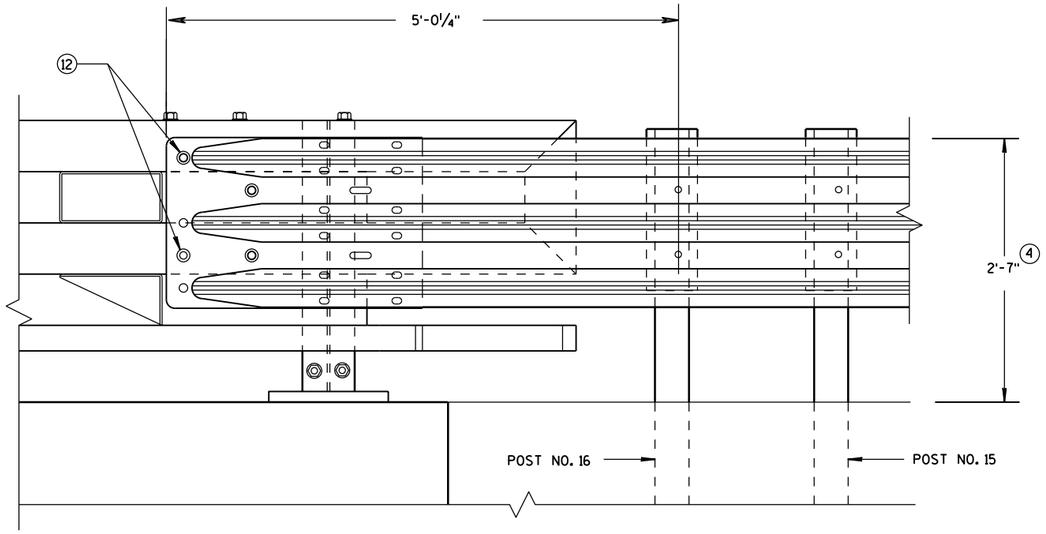
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zoga — ROADWAY STANDARDS DEVELOPMENT ENGINEER
710
NT
FHWA

6

S.D.D. 14 B 45-4j

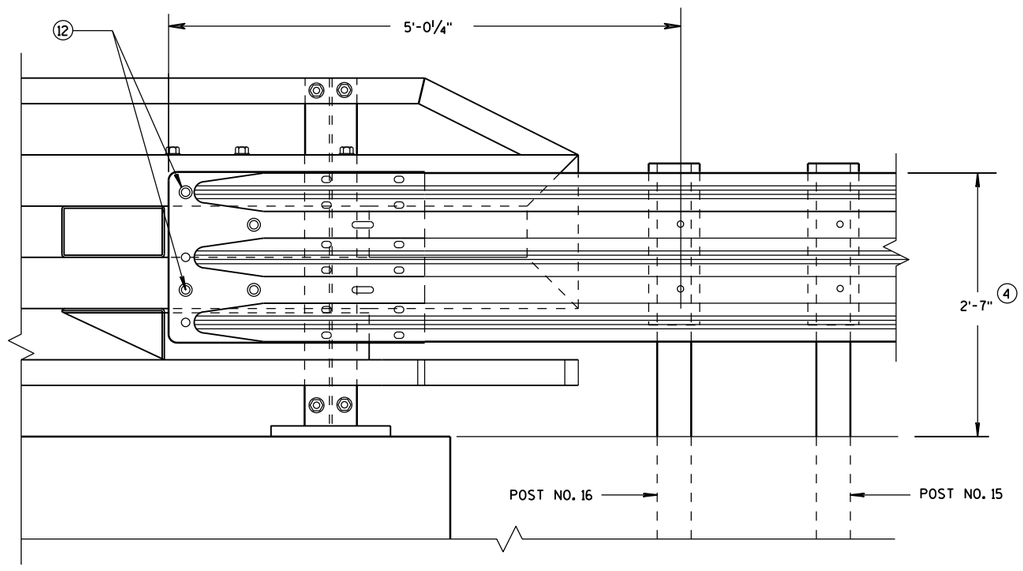
6

S.D.D. 14 B 45-4j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND ½-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS D 711 NT
ENGINEER

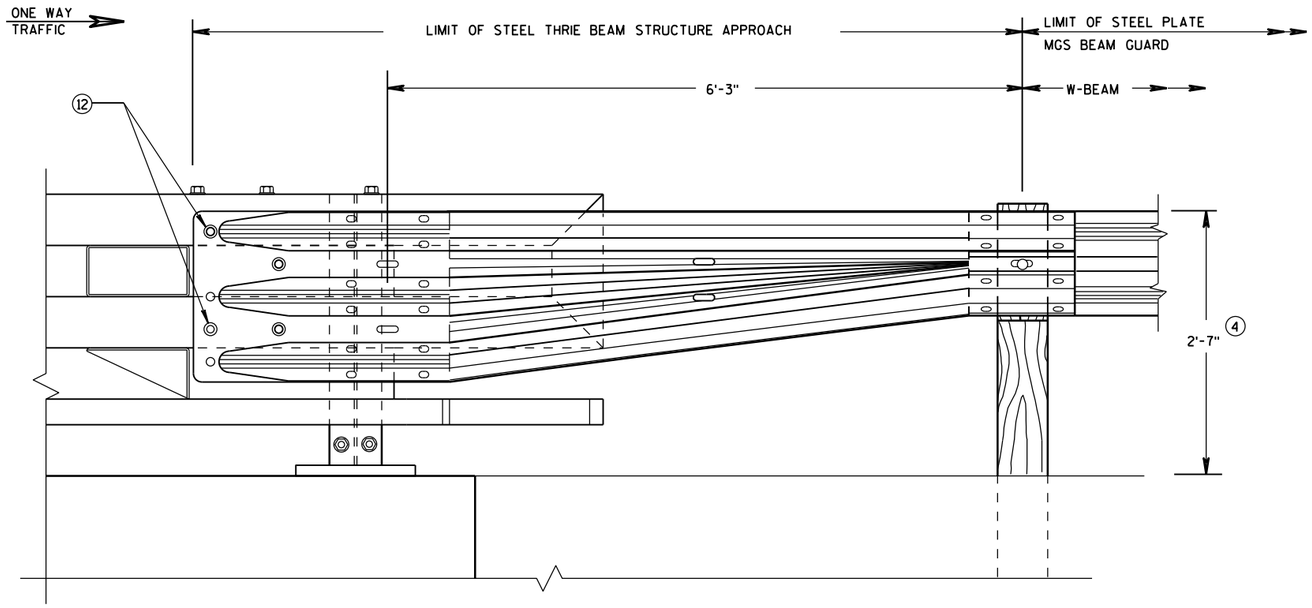
FHWA

6

S.D.D. 14 B 45-4k

6

S.D.D. 14 B 45-4k



FRONT VIEW

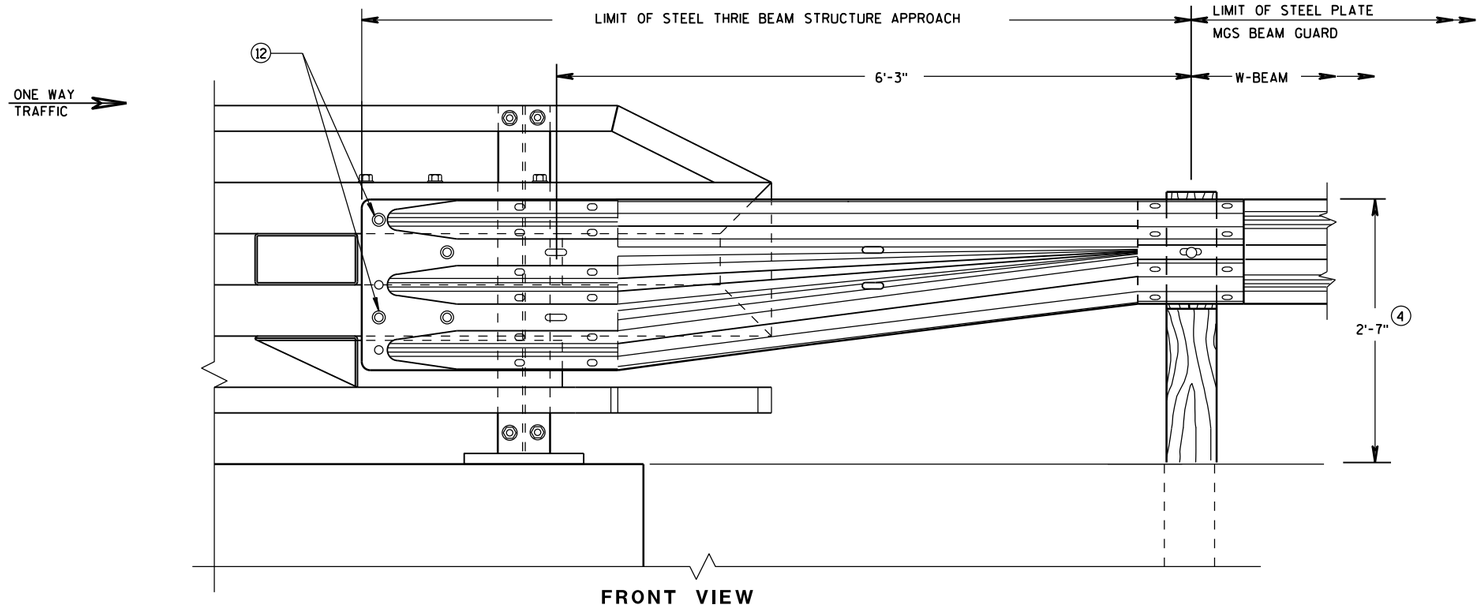
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND ½-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

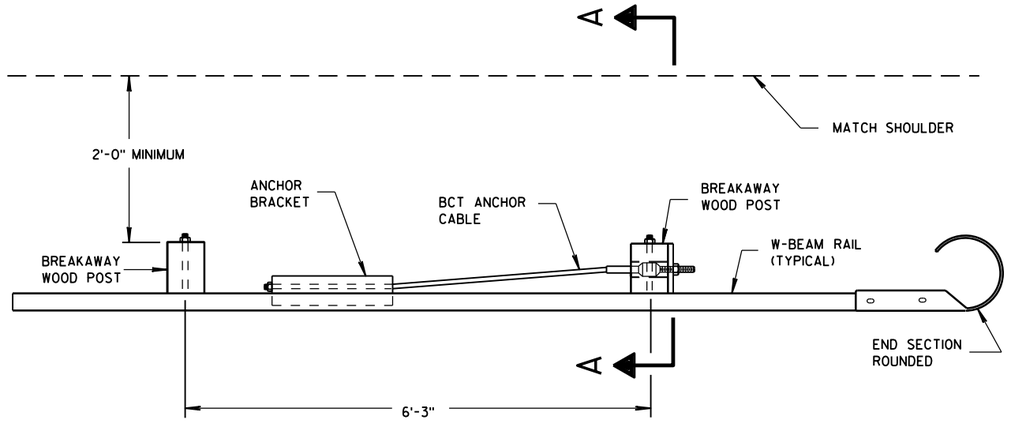
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

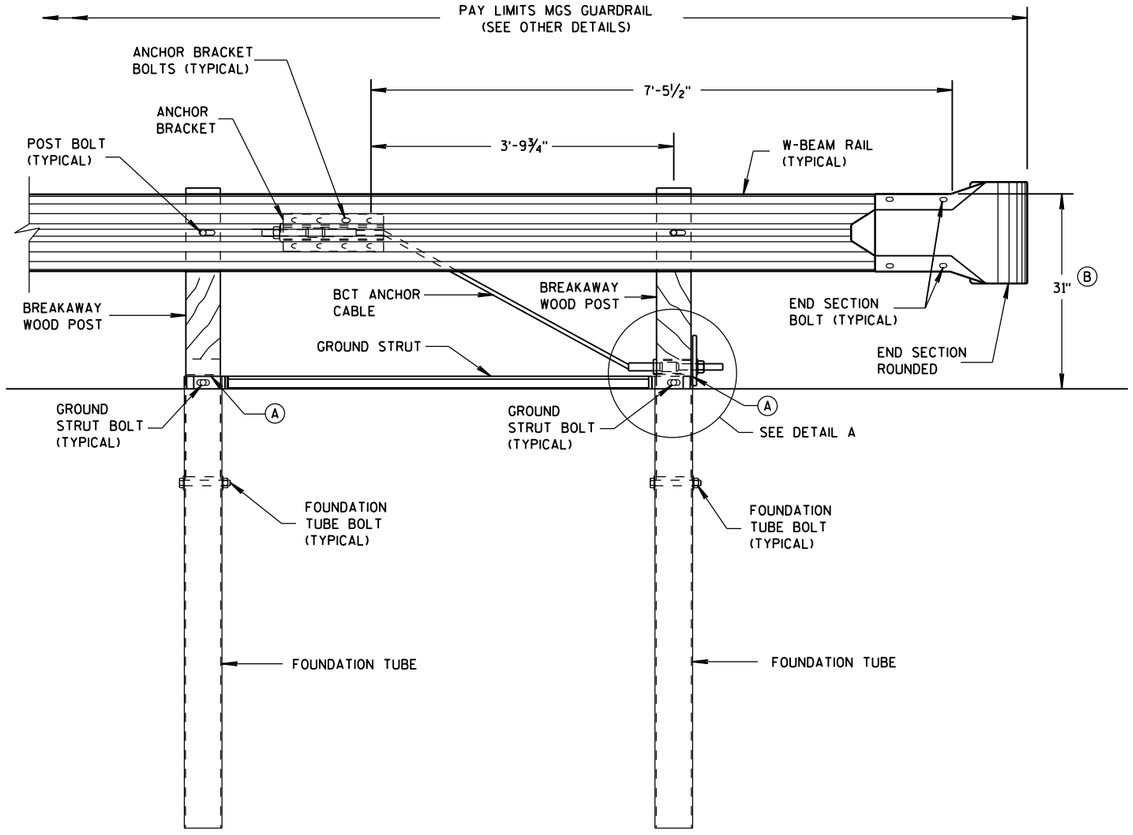
S.D.D. 14 B 45-4L

6

S.D.D. 14 B 45-4L

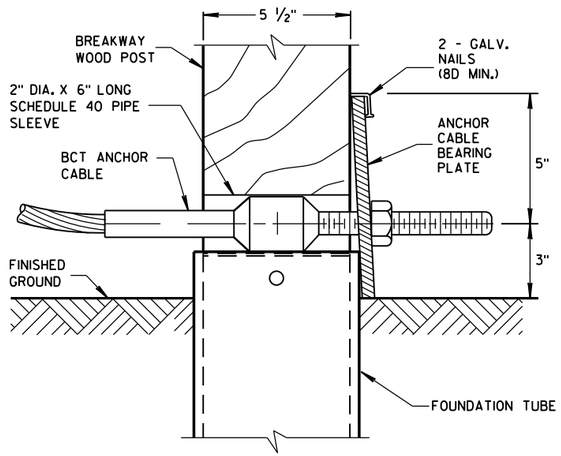


PLAN VIEW



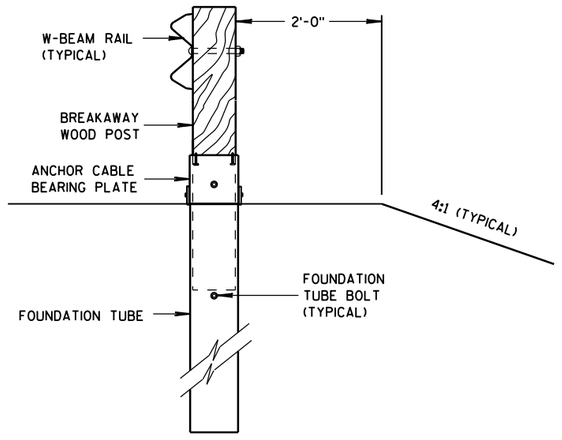
FRONT VIEW

END RAIL DETAIL



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.



SECTION A-A

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

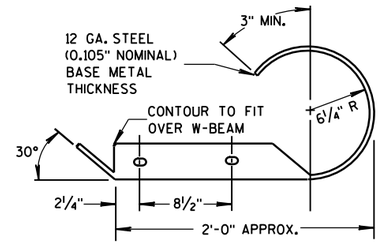
FOUNDATION TUBE BOLTS ARE ⅞" DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅞" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A ⅝" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅝" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

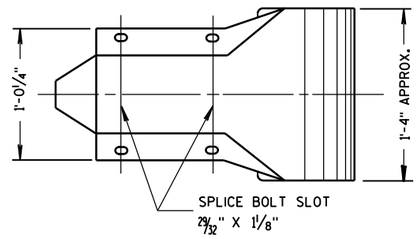
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".



PLAN VIEW



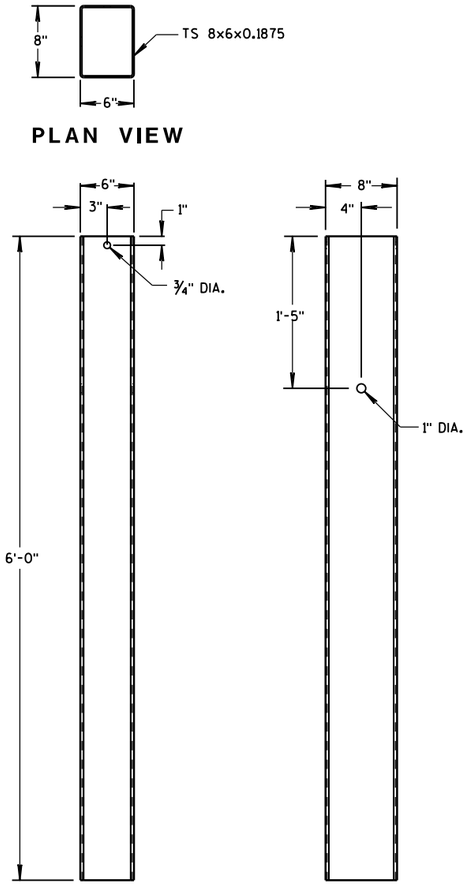
FRONT VIEW

W BEAM END SECTION ROUNDED

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

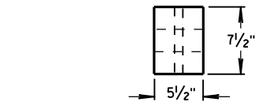
6
S.D.D. 14 B 47-2a



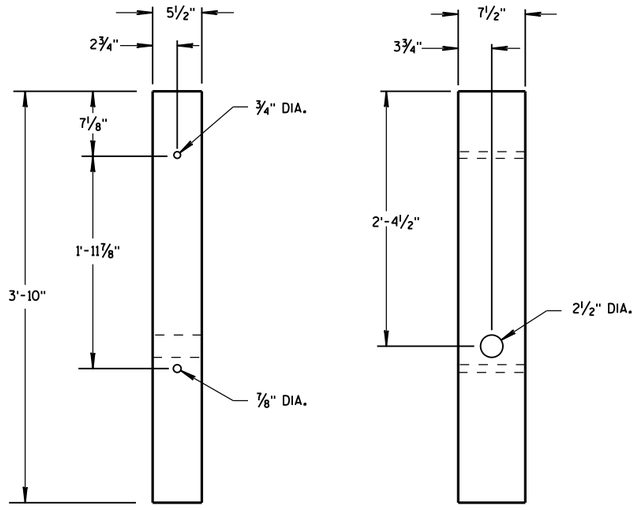
PLAN VIEW

FRONT VIEW SIDE VIEW

FOUNDATION TUBE



PLAN VIEW

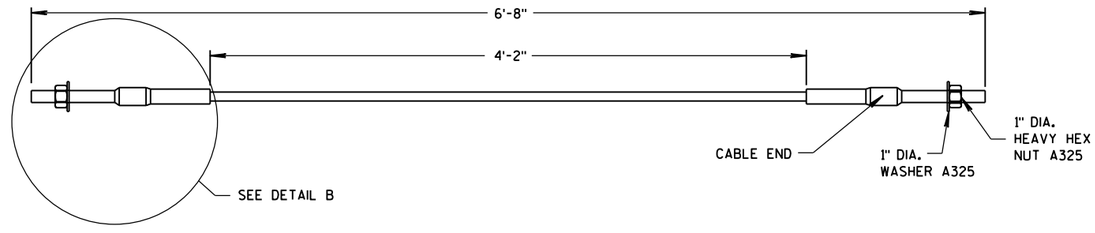


FRONT VIEW SIDE VIEW

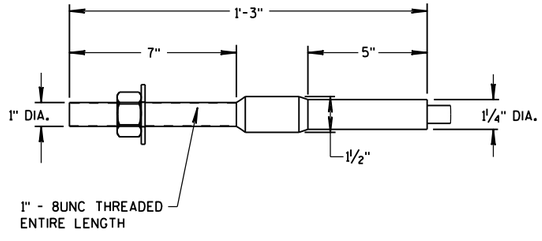
BREAKAWAY WOOD POST

GENERAL NOTES

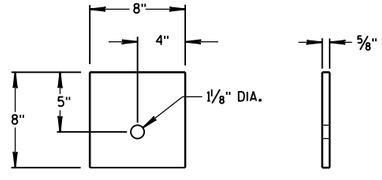
BCT ANCHOR CABLE IS A ¾" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. TREADED STUD SHALL CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.



BCT ANCHOR CABLE



DETAIL B



SIDE VIEW FRONT VIEW

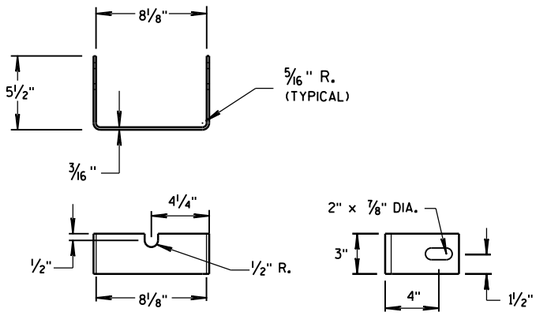
ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

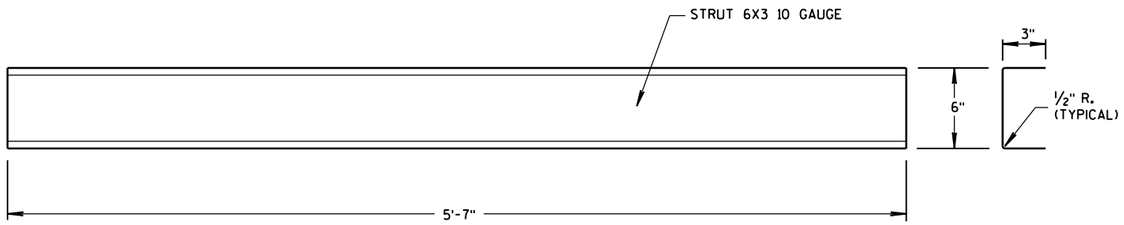
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

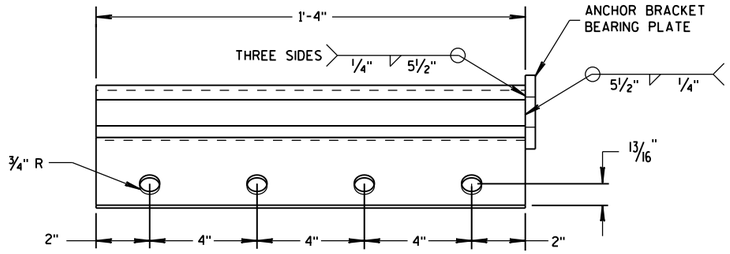
S.D.D. 14 B 47-2b

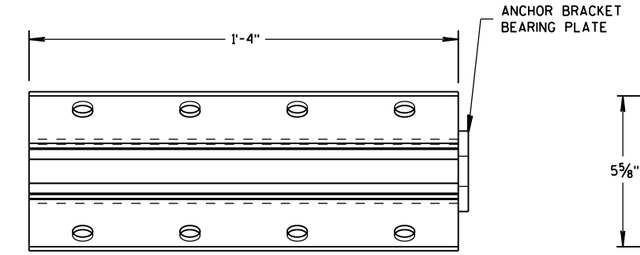


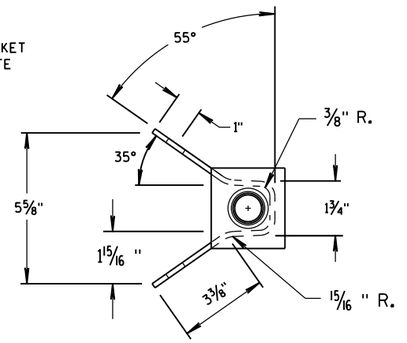
YOKE DETAIL



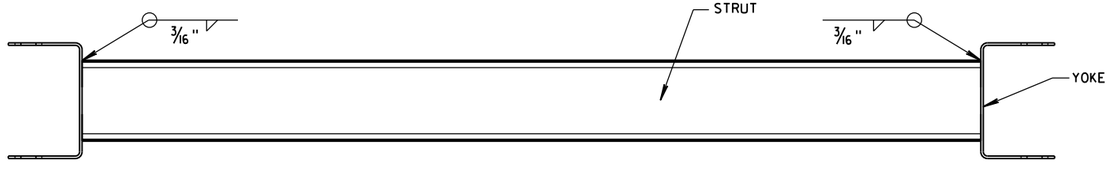
STRUT DETAIL



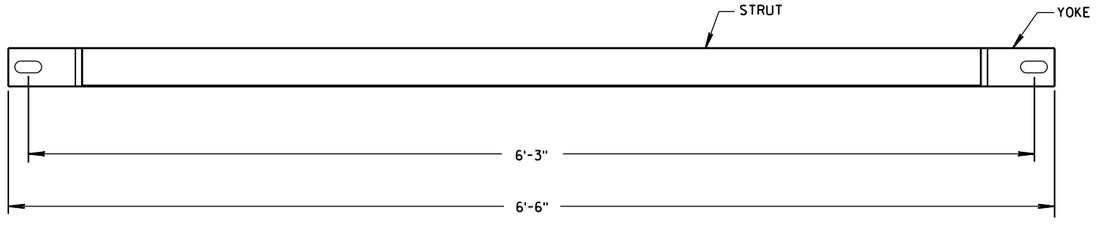




ANCHOR BRACKET

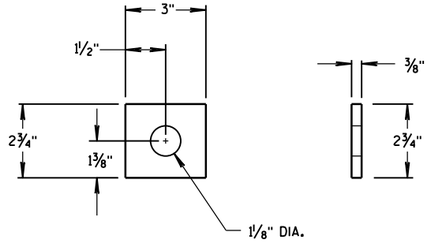


PLAN VIEW



FRONT VIEW

GROUND STRUT DETAIL



ANCHOR BRACKET BEARING PLATE

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

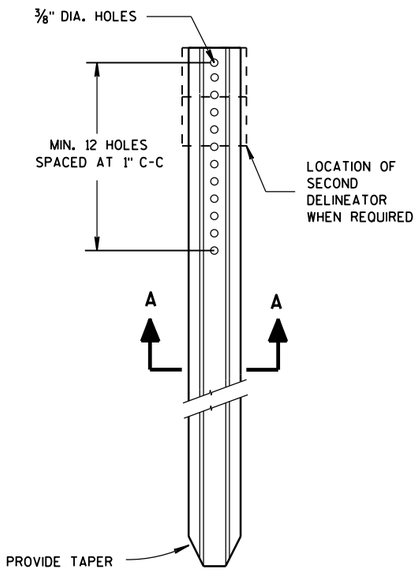
APPROVED
June 2014
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

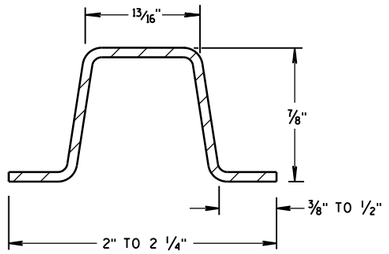
FHWA

6

S.D.D. 14 B 47-2c

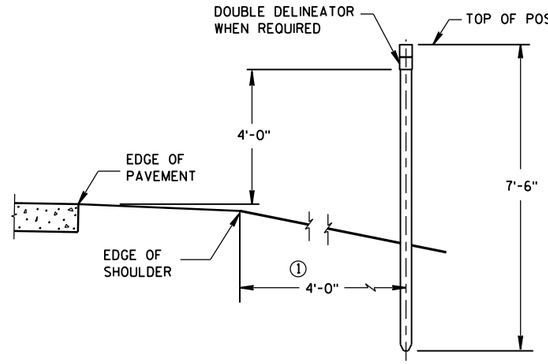


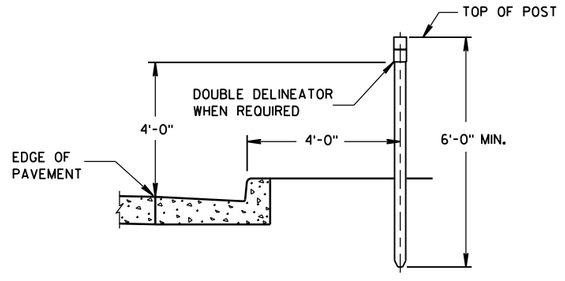
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.



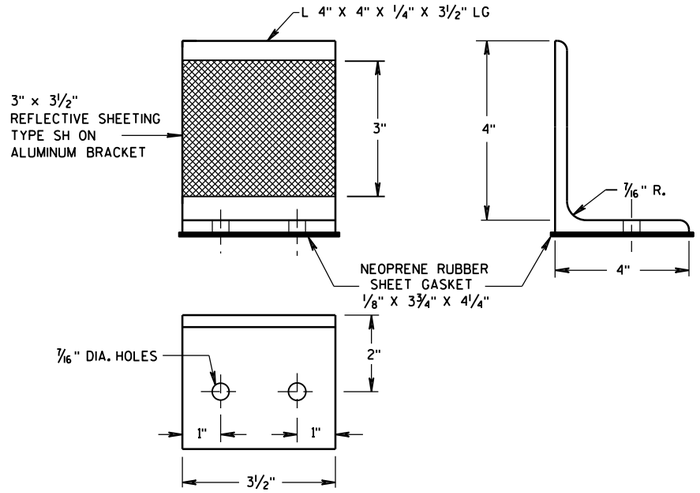


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

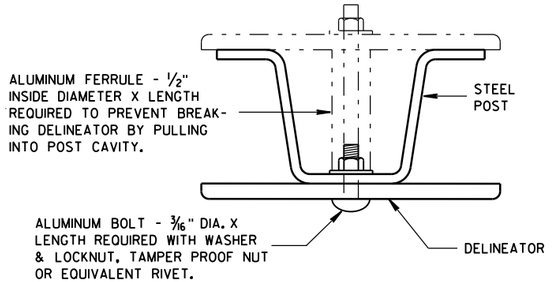
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

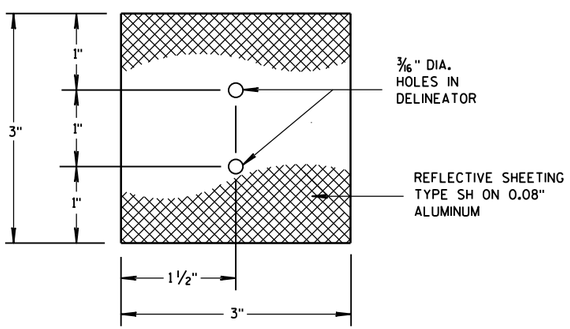
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



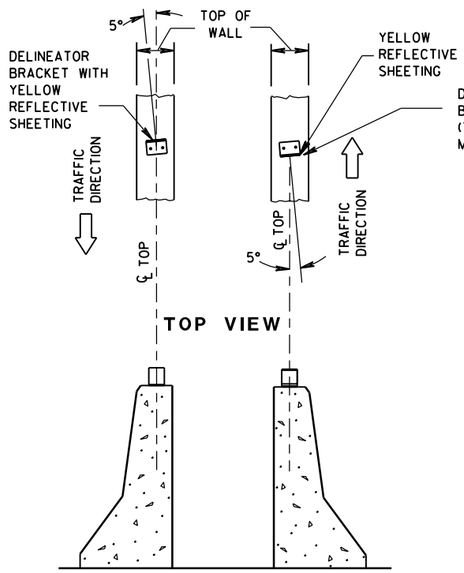
DELINEATOR BRACKET



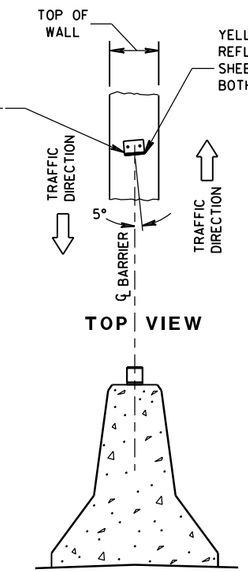
MOUNTING DETAIL FOR DELINEATOR



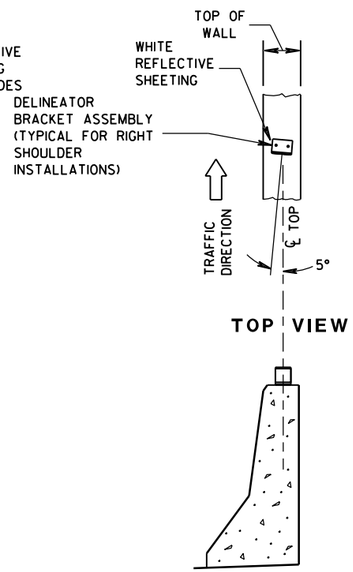
3"x 3" DELINEATOR



DOUBLE BARRIERS IN MEDIAN

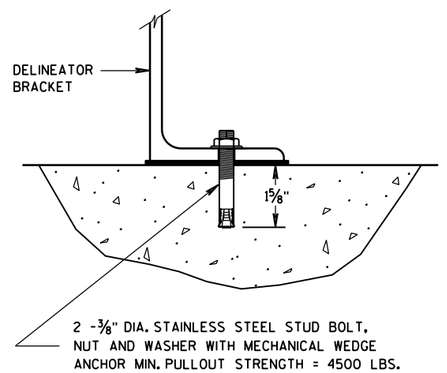


MEDIAN BARRIER



BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

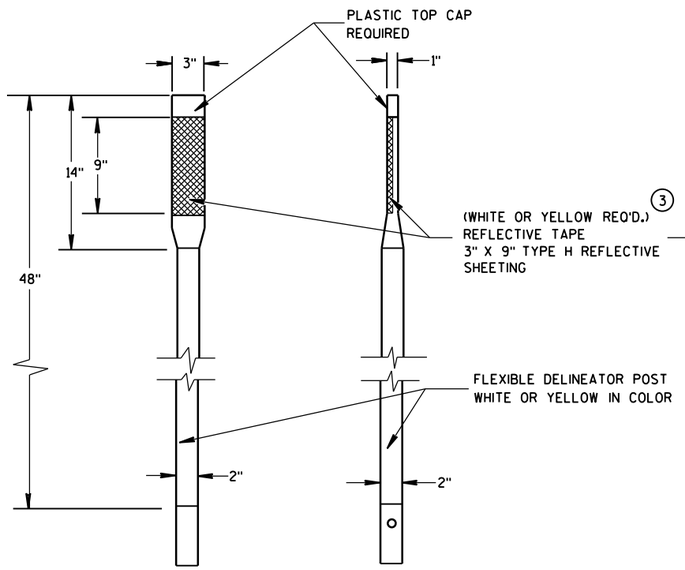
APPROVED
7/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC E
716
FHWA

6

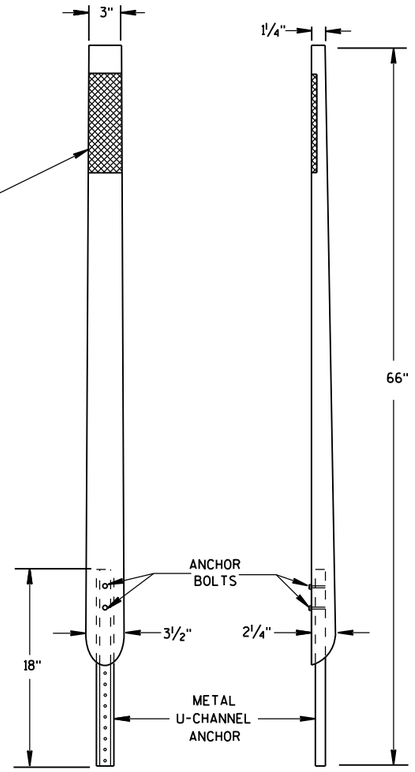
S.D.D. 15 A 2-8

6

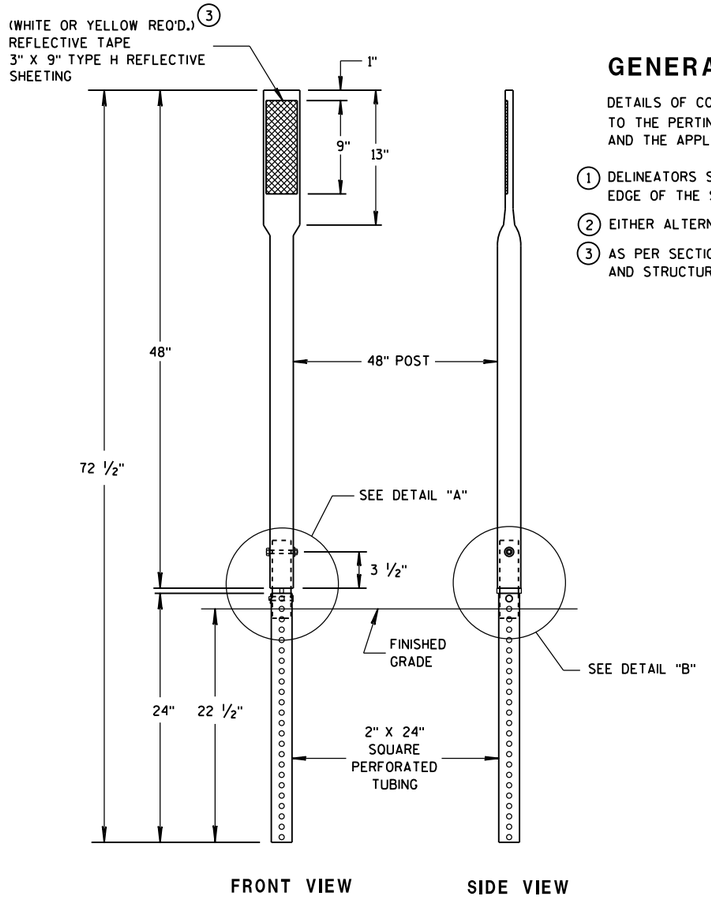
S.D.D. 15 A 2-8



ALTERNATE 1



ALTERNATE 2



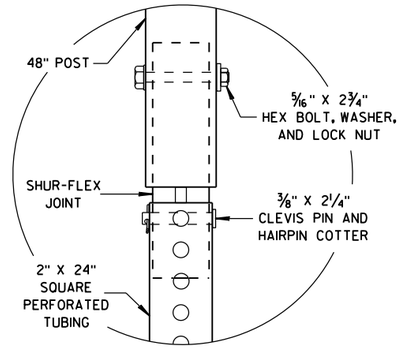
ALTERNATE 3

FLEXIBLE DELINEATOR POSTS

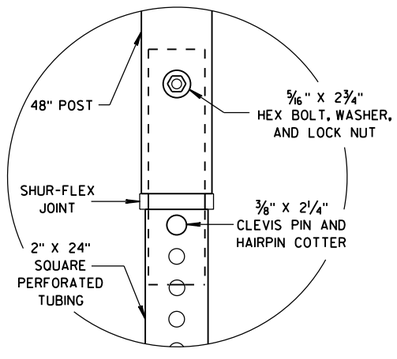
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDATRD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

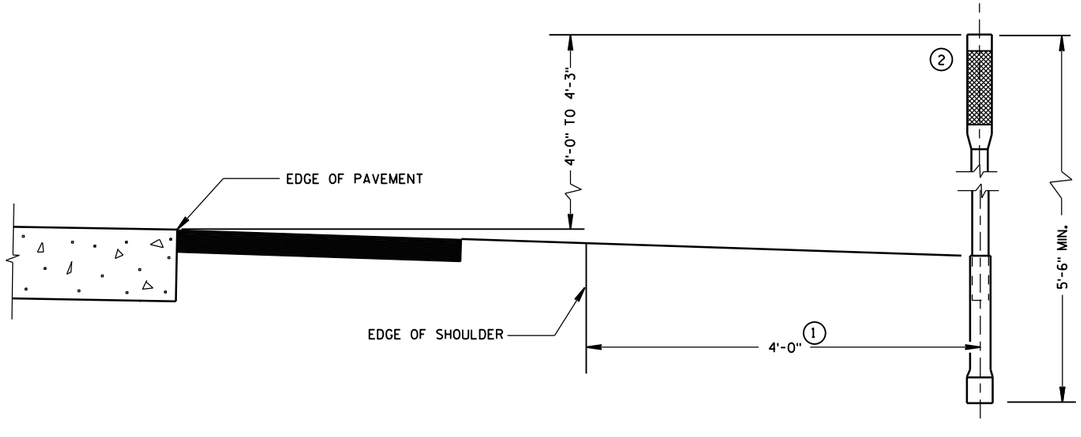
1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. EITHER ALTERNATE NO. 1, NO. 2 OR NO. 3 MAY BE FURNISHED.
3. AS PER SECTION 637.2.2.2. OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

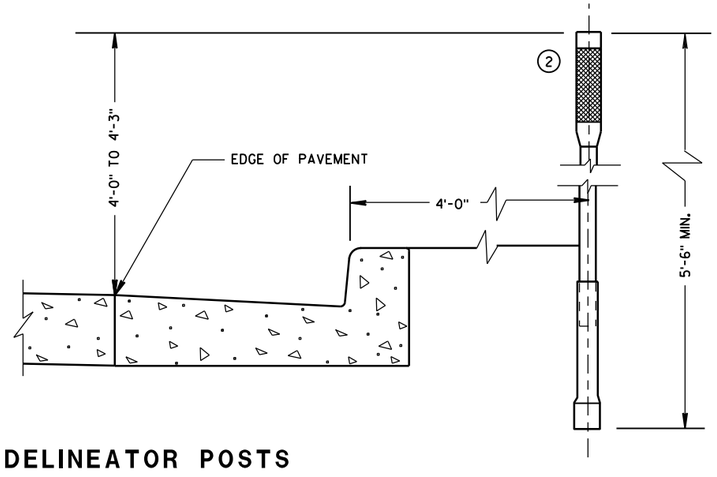


DETAIL A



DETAIL B





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-26-2012 DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

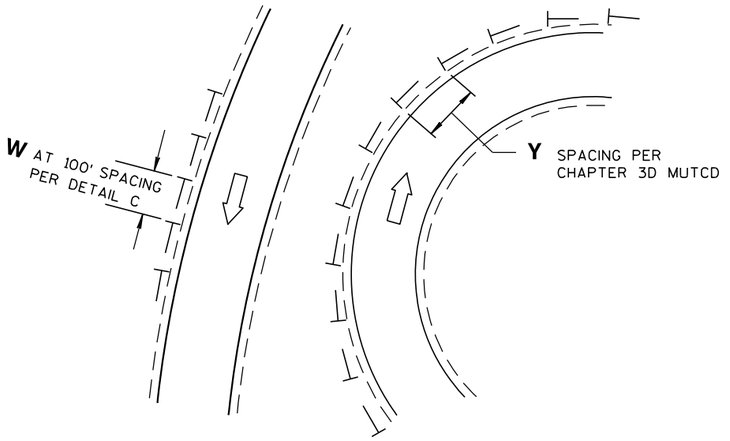
S.D.D. 15 A 4-2

6

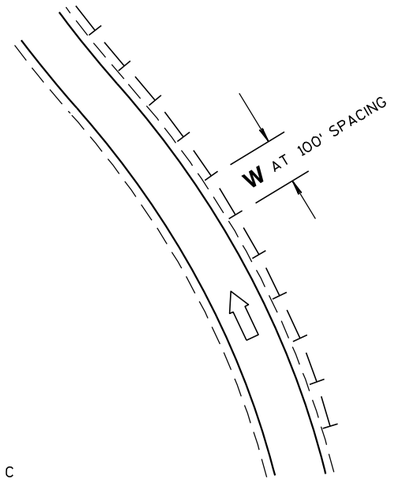
S.D.D. 15 A 4-2

GENERAL NOTES

* USE DOUBLE DELINEATOR ALONG ACCELERATION-DECELERATION LANES AND TAPERS. USE SINGLE DELINEATOR WHEN RAMP PAVEMENT IS FULL WIDTH.



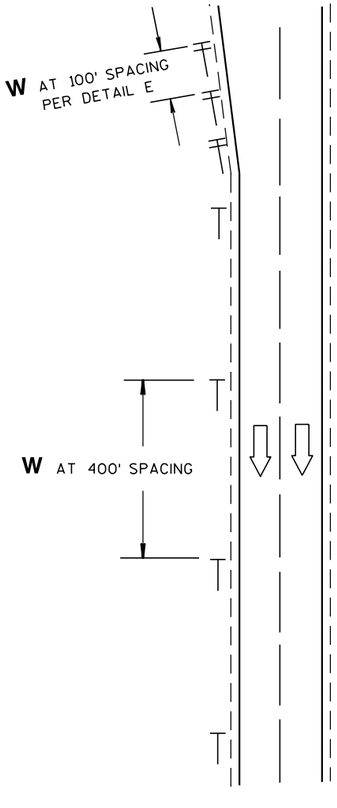
DETAIL A
DELINEATOR LAYOUT AT CURVED RAMP



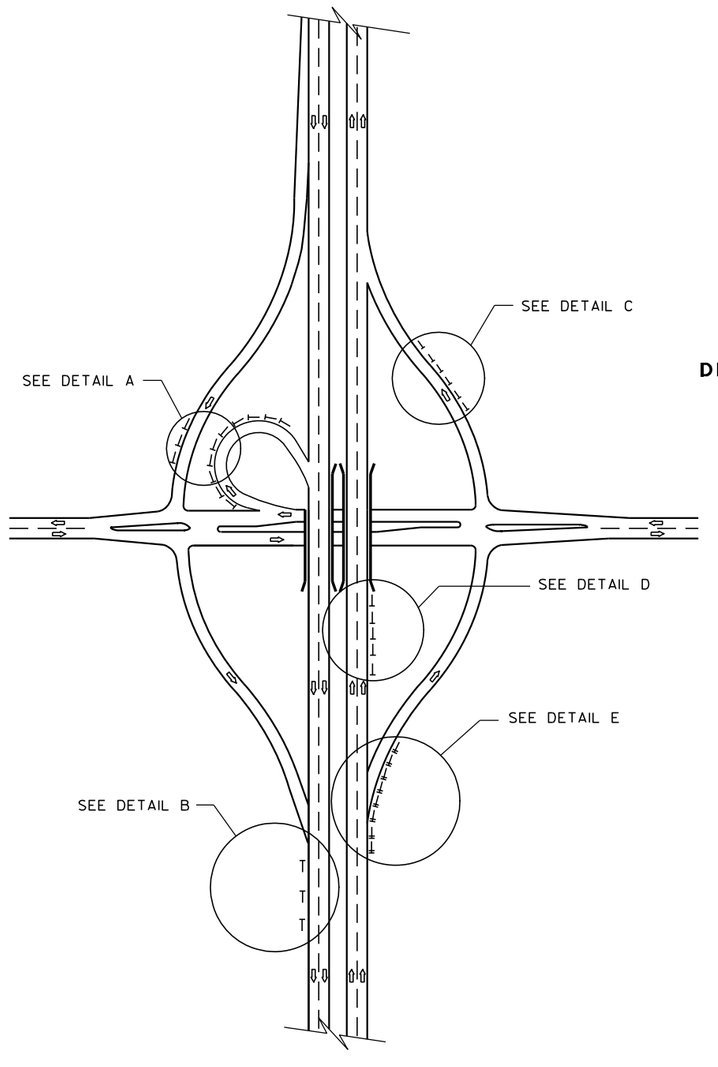
DETAIL C
DELINEATOR LAYOUT ALONG RAMP

LEGEND

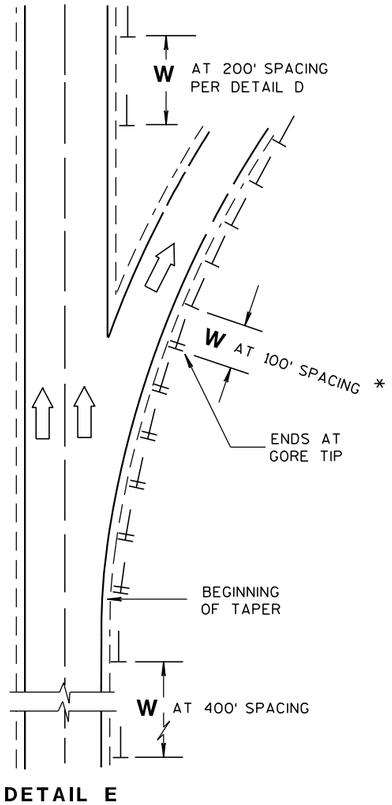
- DIRECTION OF TRAFFIC FLOW
- SINGLE DELINEATOR
- DOUBLE DELINEATOR
- W — WHITE
- Y — YELLOW



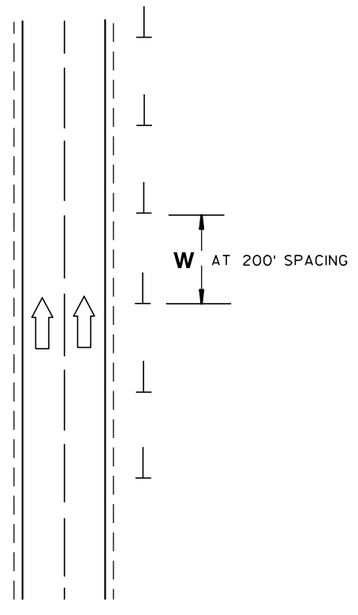
DETAIL B
DELINEATOR LAYOUT ALONG MAINLINE



DELINEATOR LAYOUT



DETAIL E
DELINEATOR LAYOUT FOR ACCELERATION - DECELERATION LANES AND TAPERS AT RAMPS



DETAIL D
DELINEATOR LAYOUT BETWEEN INTERCHANGE RAMPS

DELINEATOR LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

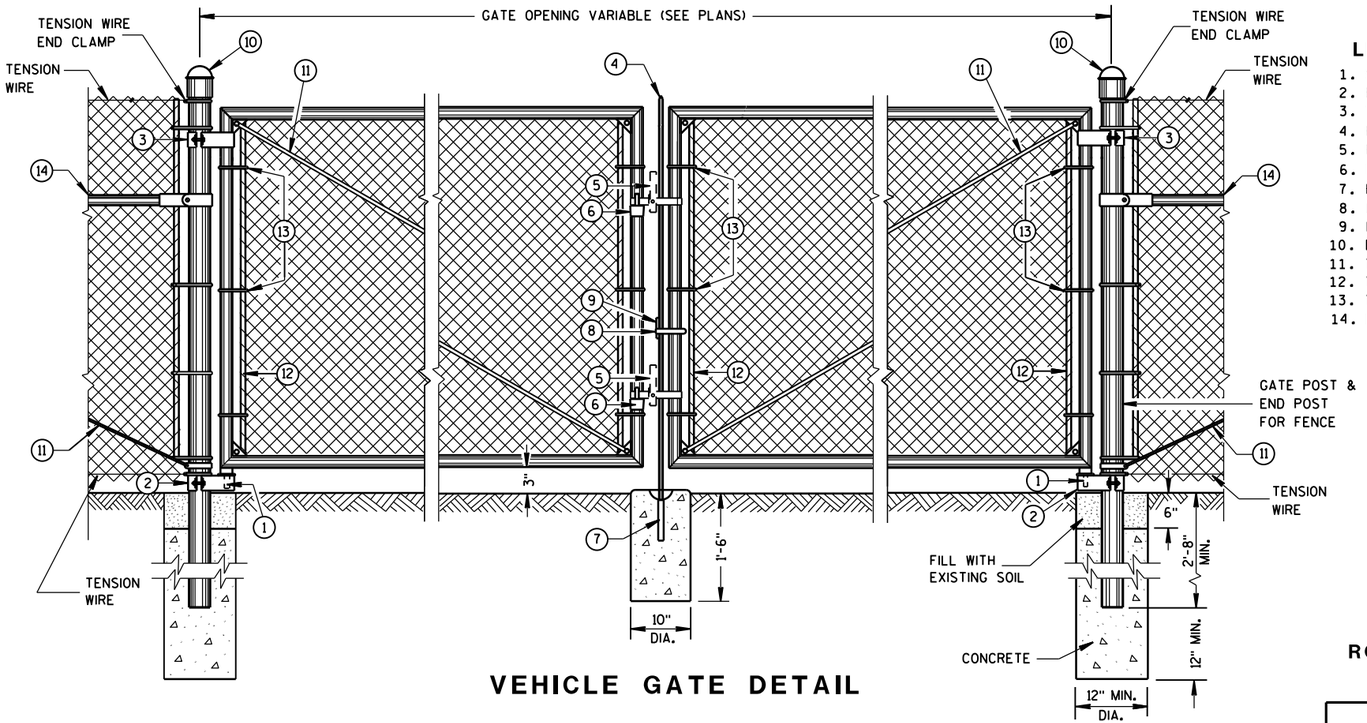
APPROVED
2/5/09 DATE
/S/ Thomas N. Nothdurft STATE TRAFFIC ENGINEER
FHWA

6

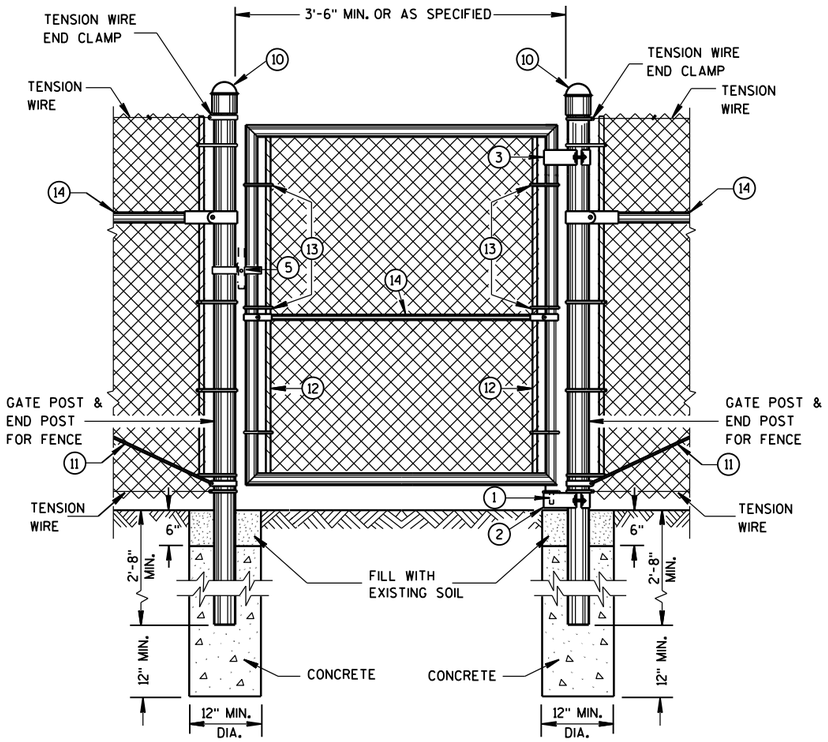
S.D.D. 15 A 6-2

6

S.D.D. 15 A 6-2



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

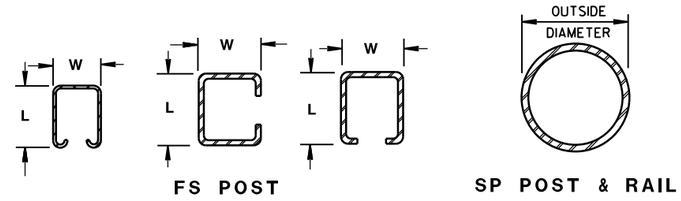
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



CROSS SECTIONS OF POSTS AND RAILS

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

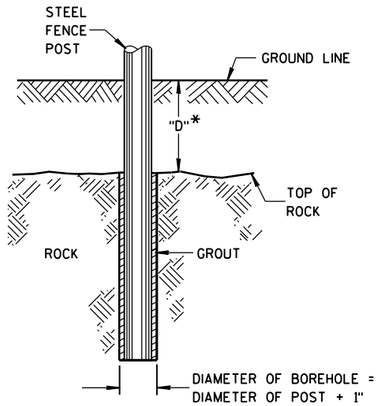
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

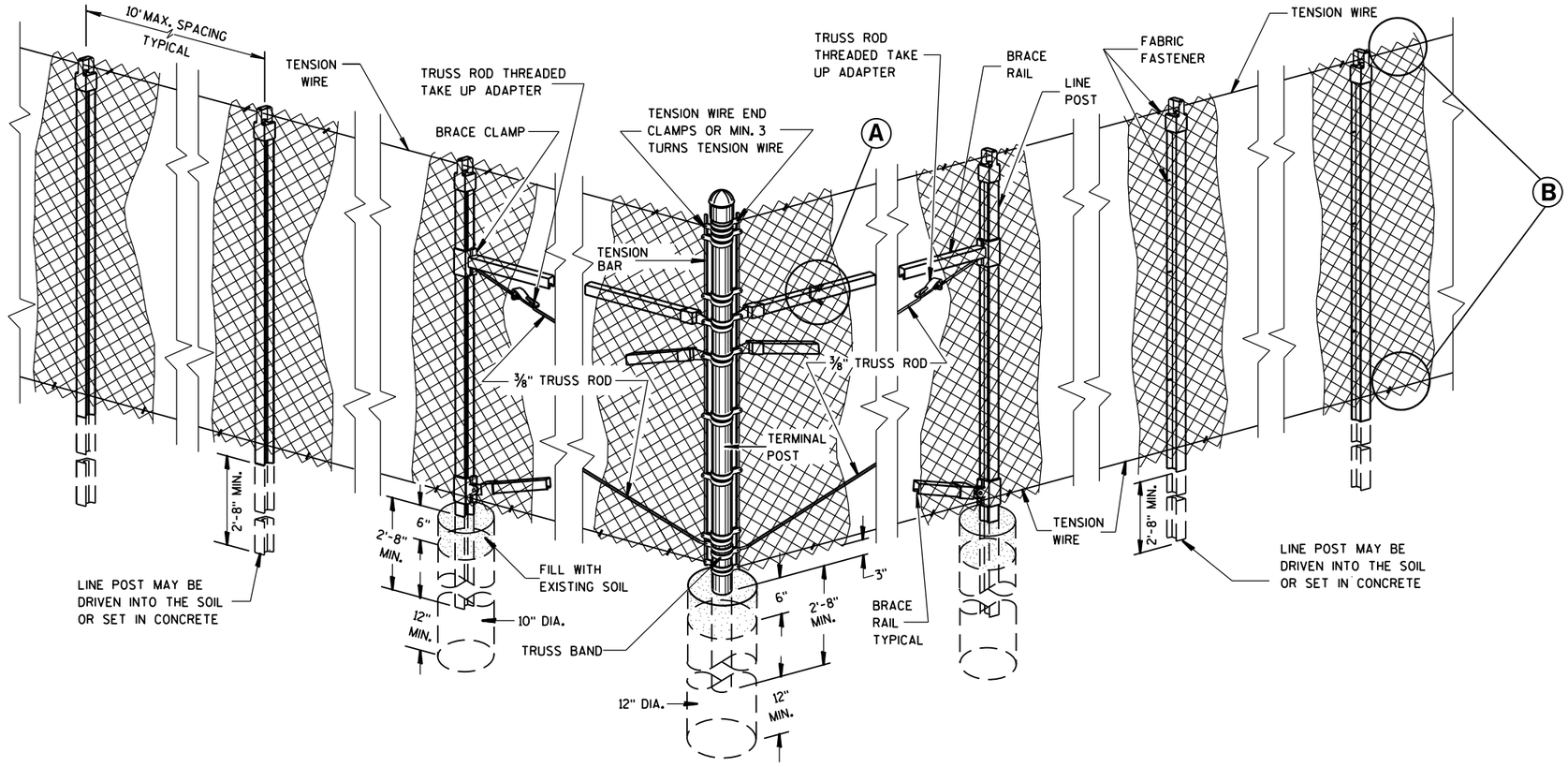
6

S.D.D. 15 B 3-15a

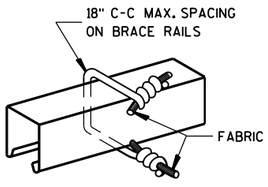


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



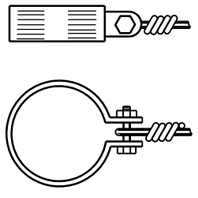
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



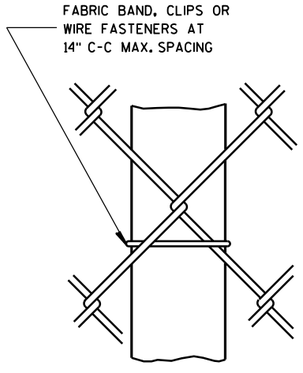
BRACE RAIL

FABRIC FASTENER

Ⓐ



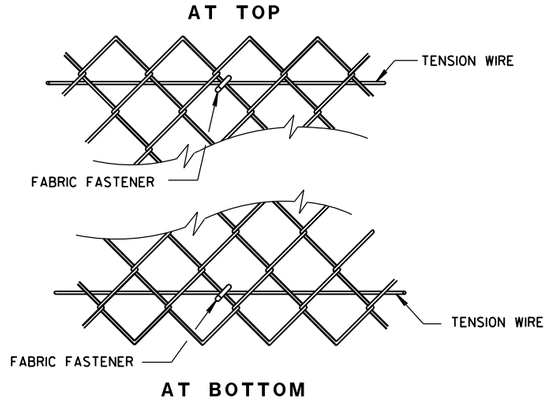
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

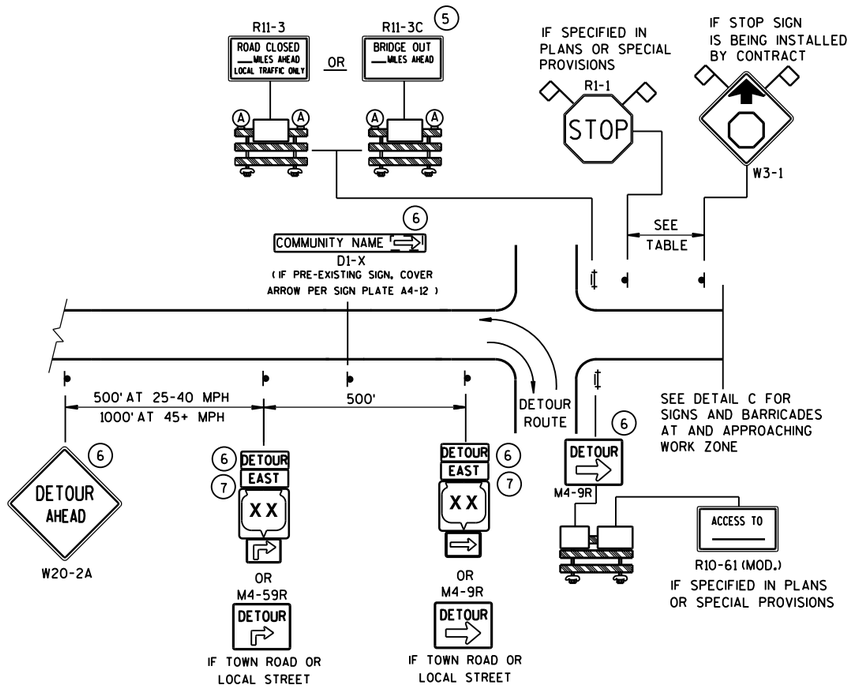
720

6

S.D.D. 15 B 3-15b

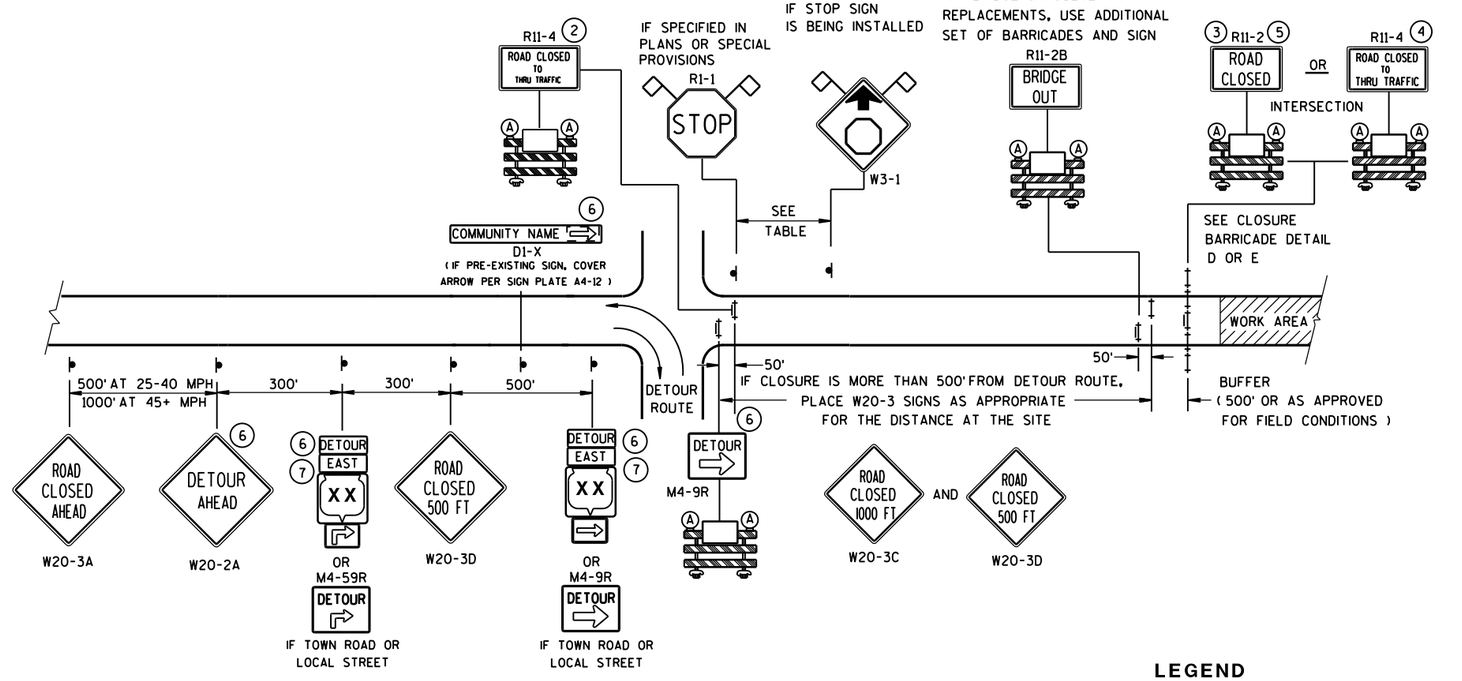
6

S.D.D. 15 B 3-15b



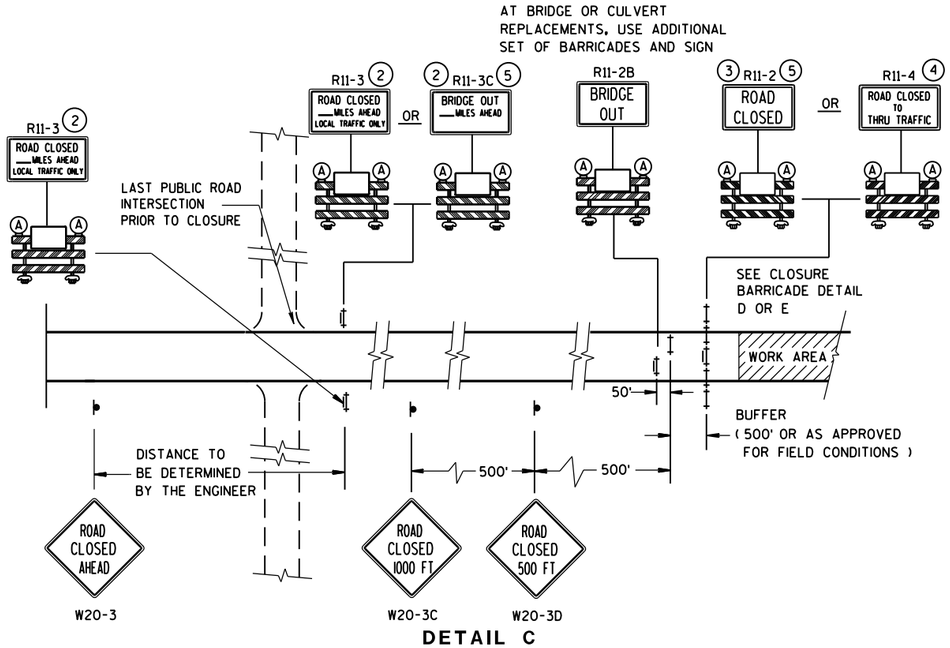
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

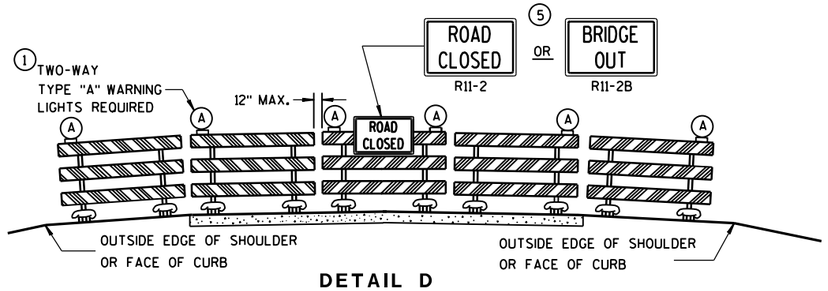
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

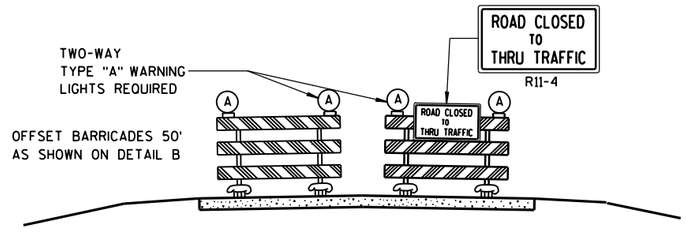
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI

722

FIC

FHWA

6

S.D.D. 15 C 2-6b

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

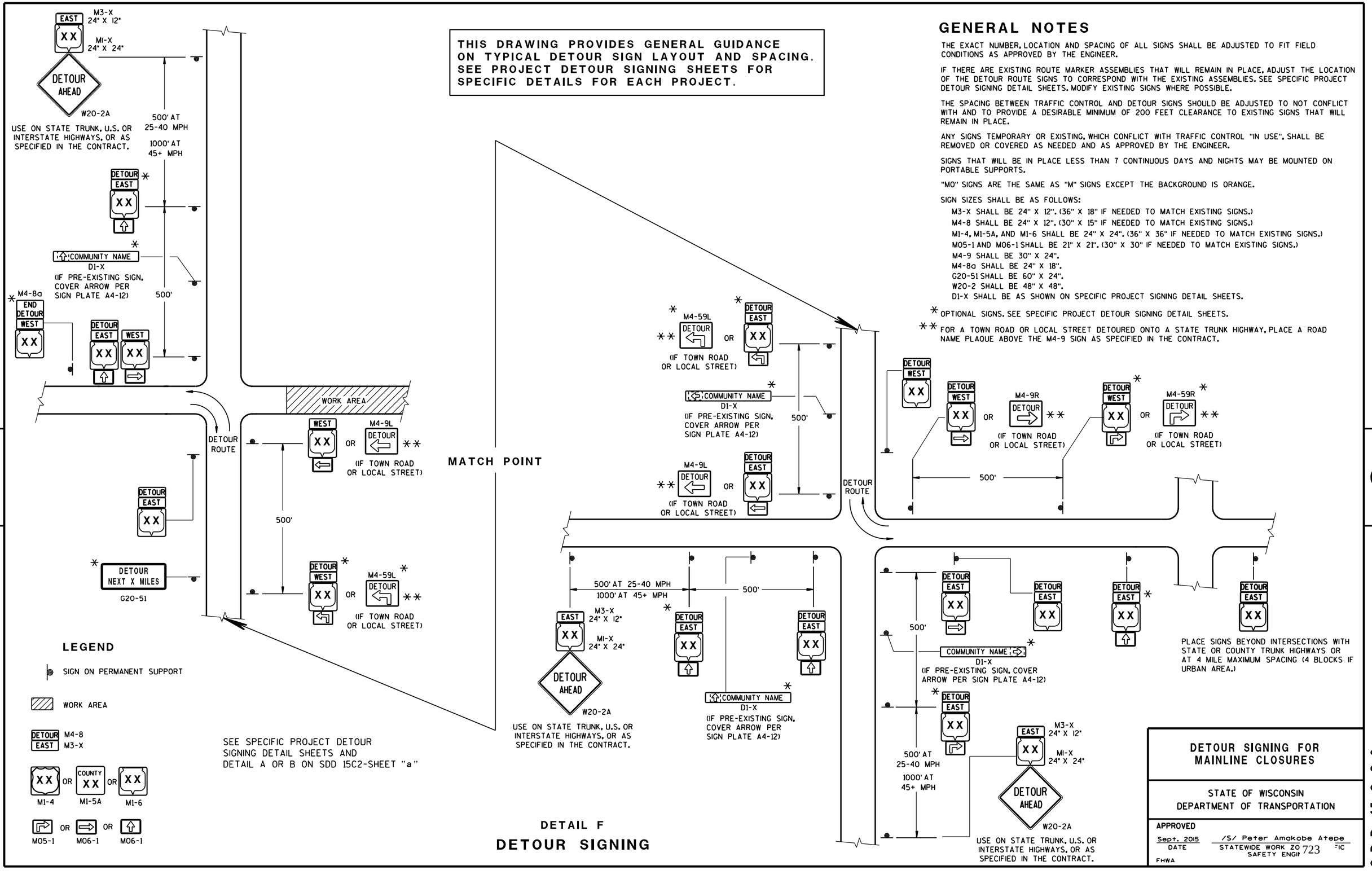
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

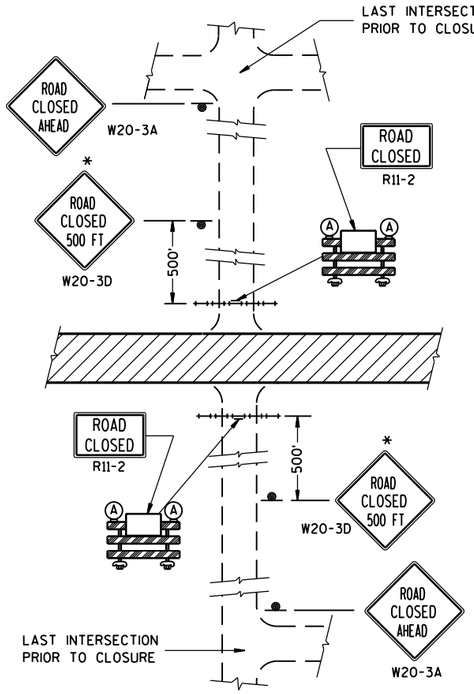
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

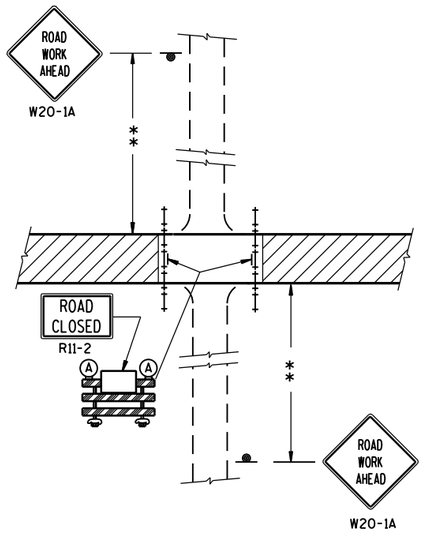
S.D.D. 15 C 2-6c

6



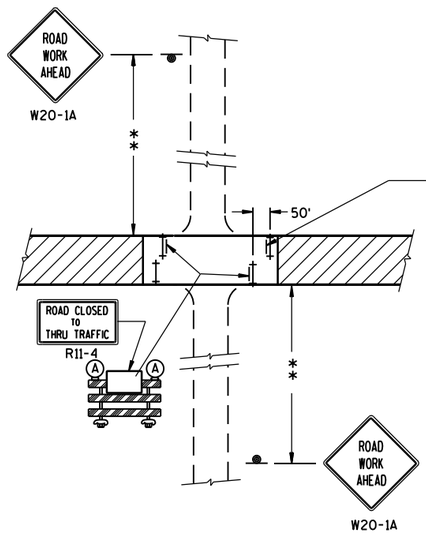
DETAIL 1

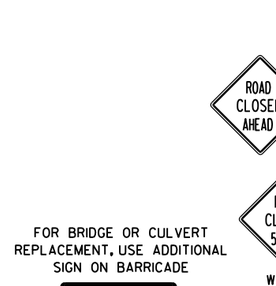
(NO ACCESS TO PROJECT)



DETAIL 2

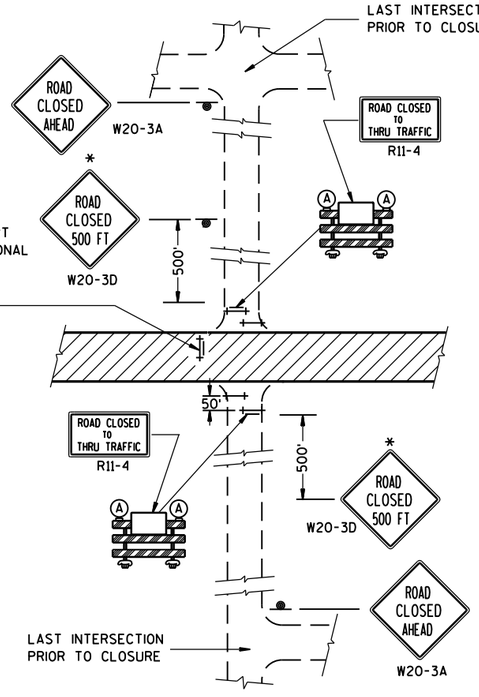
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

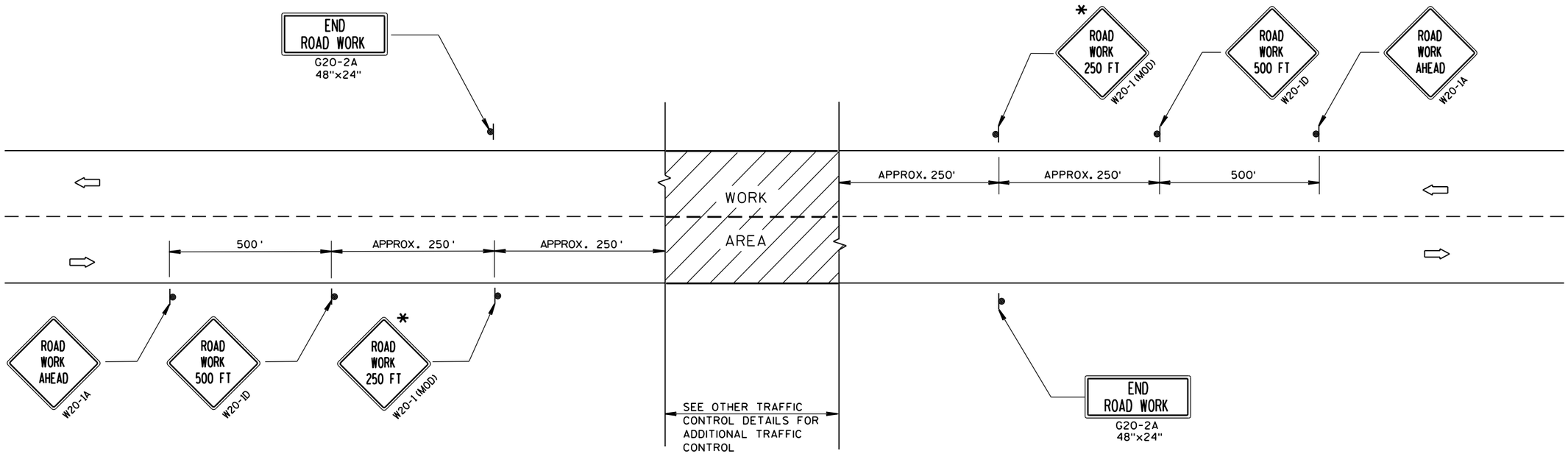
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

6

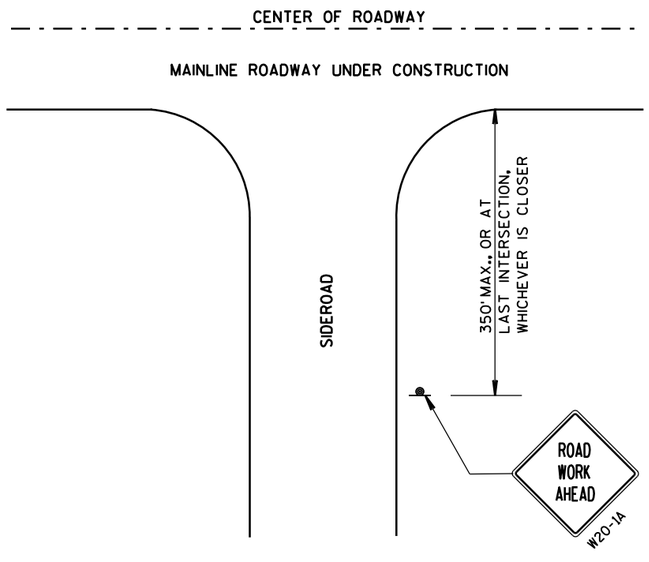
S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

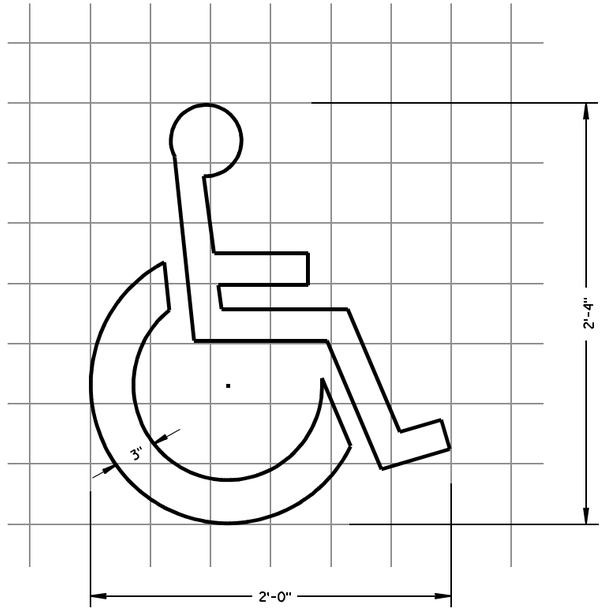
S.D.D. 15 C 5-3

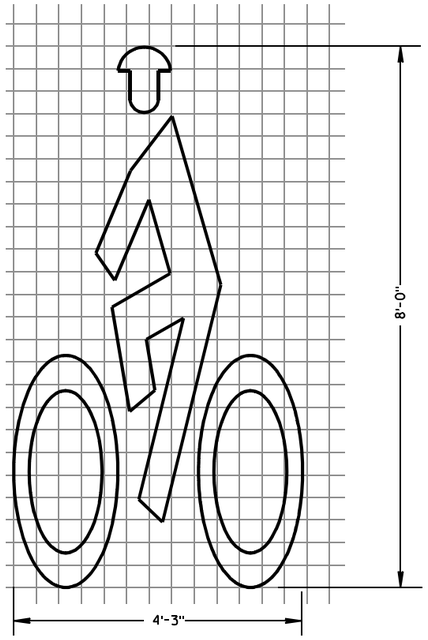
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

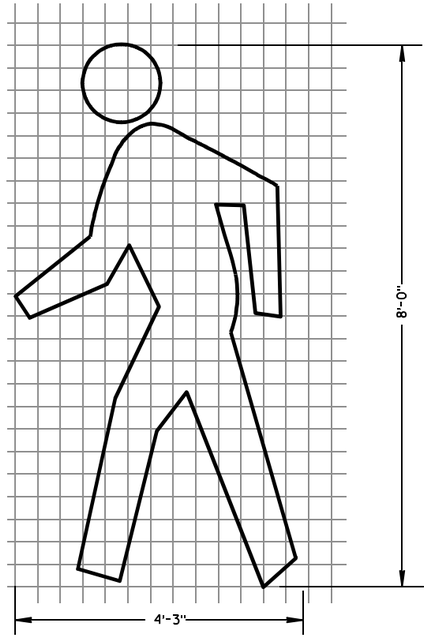
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

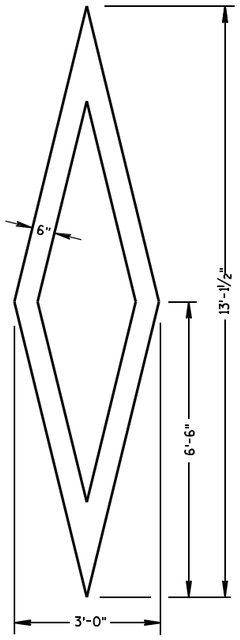




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-12a

S.D.D. 15 C 7-12a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 DATE

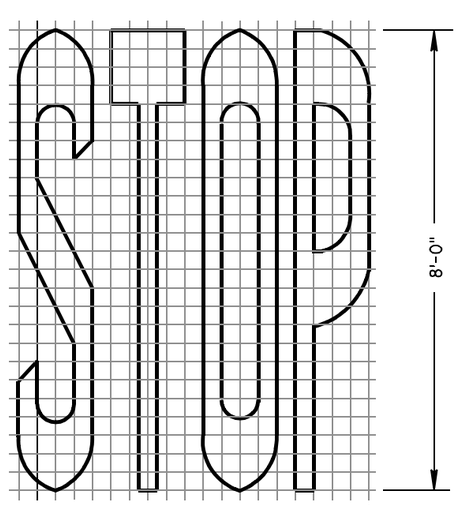
/S/ Thomas N Nathan
STATE TRAFFIC ENGINEER

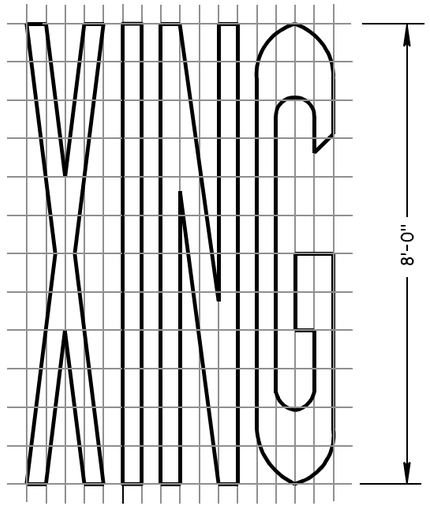
FHWA

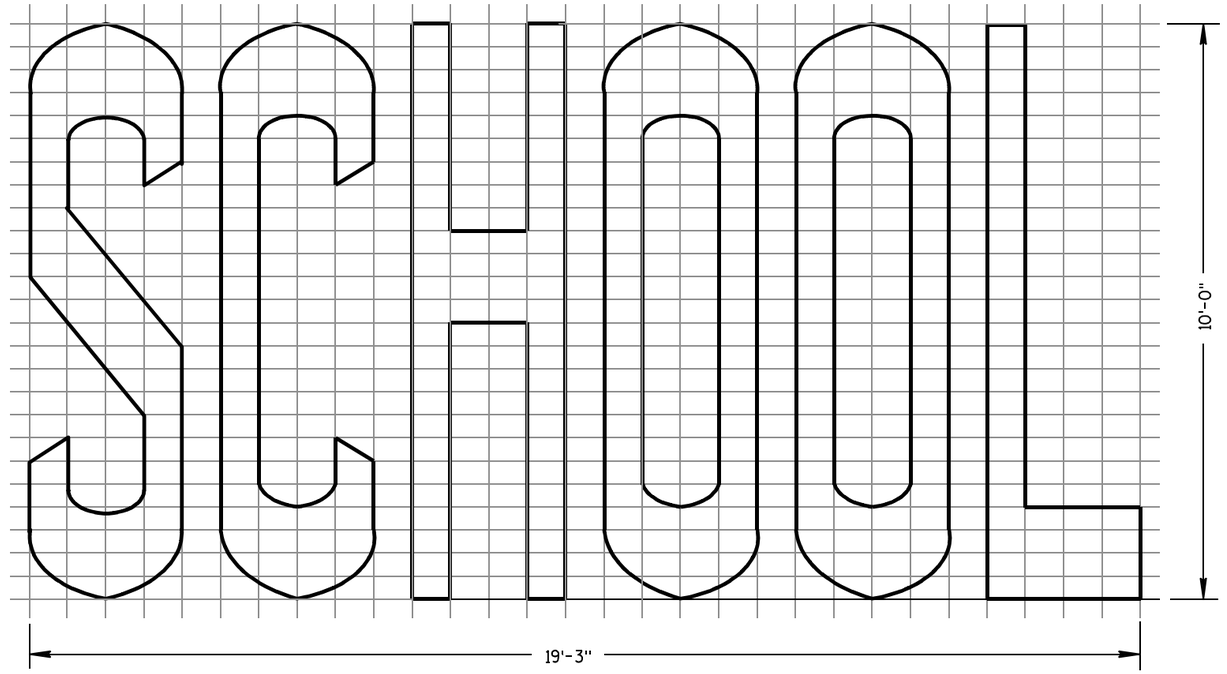
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

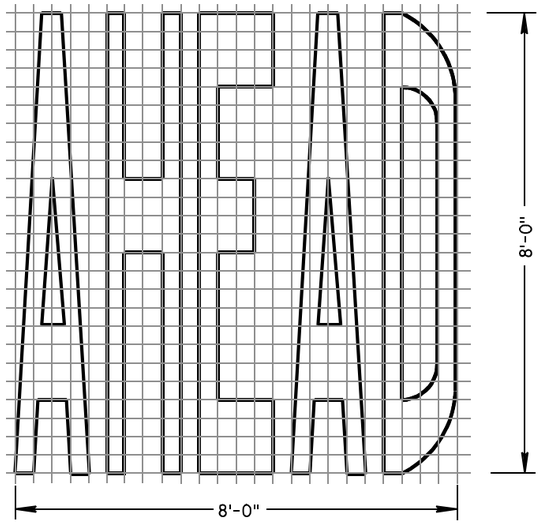
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

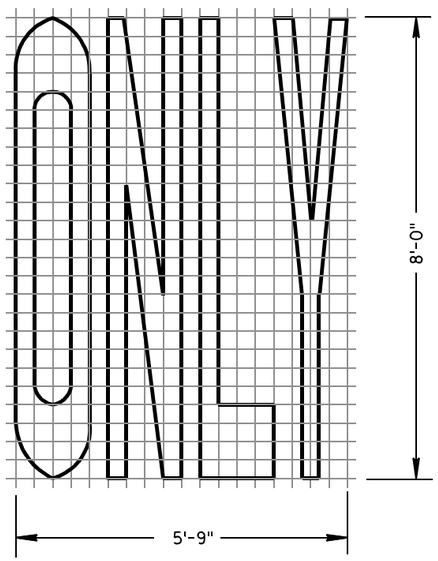


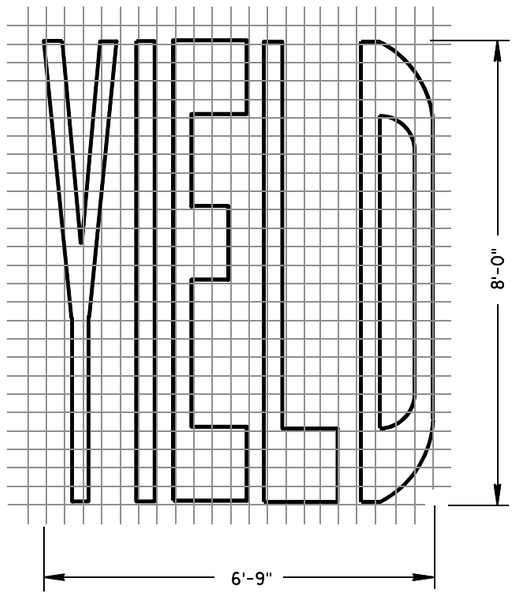


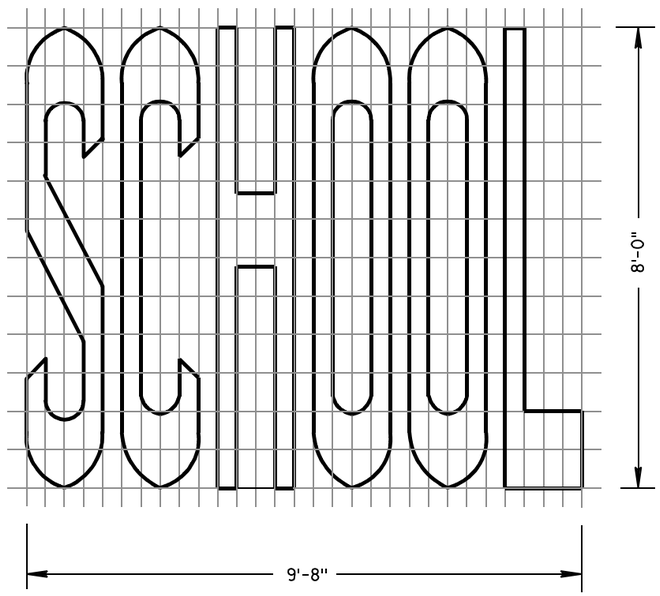


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

727 IGN

FHWA

6

S.D.D. 15 C 7-12b

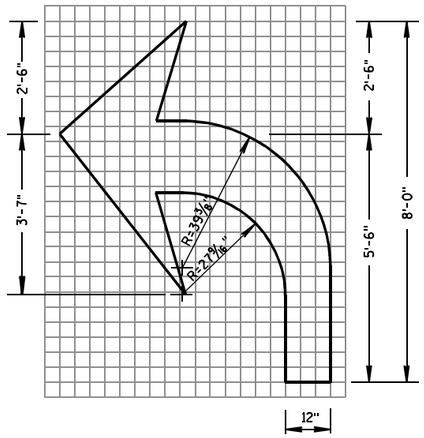
6

S.D.D. 15 C 7-12b

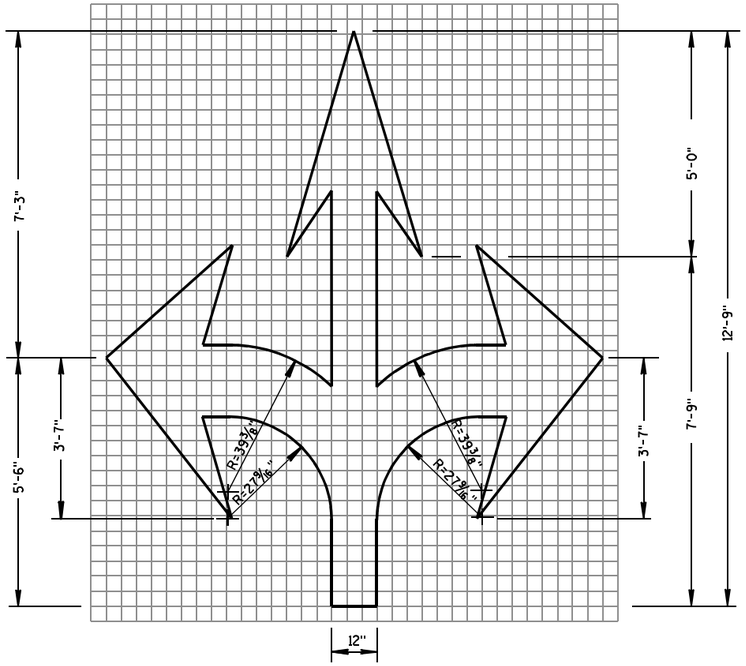
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

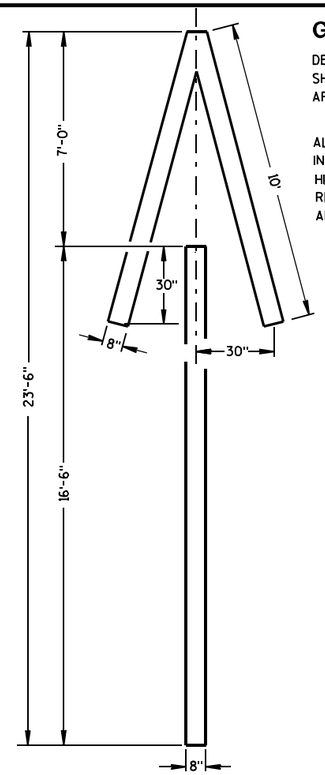
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



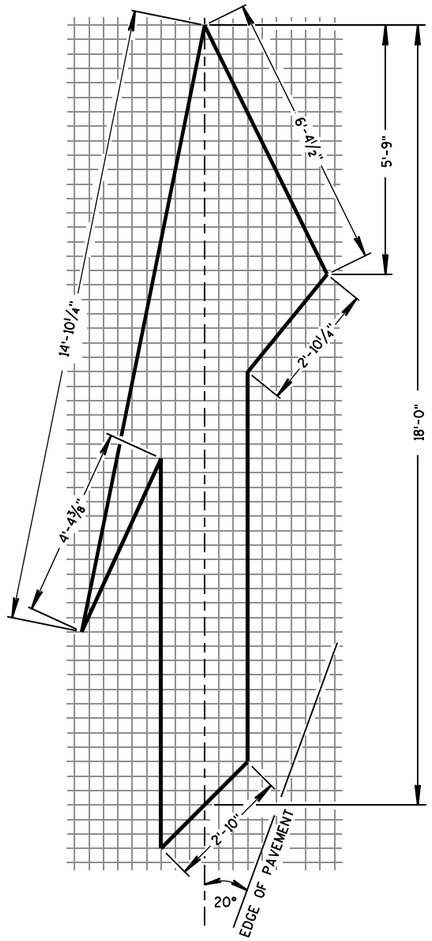
TYPE 2



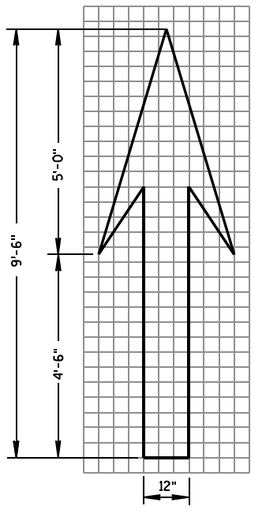
TYPE 6



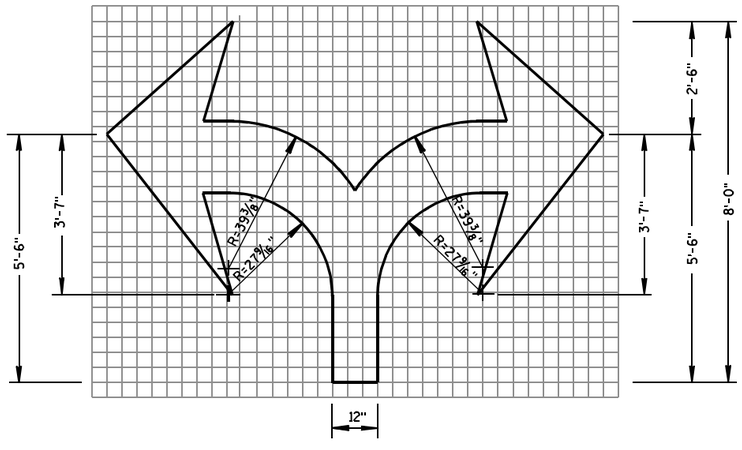
TYPE 4



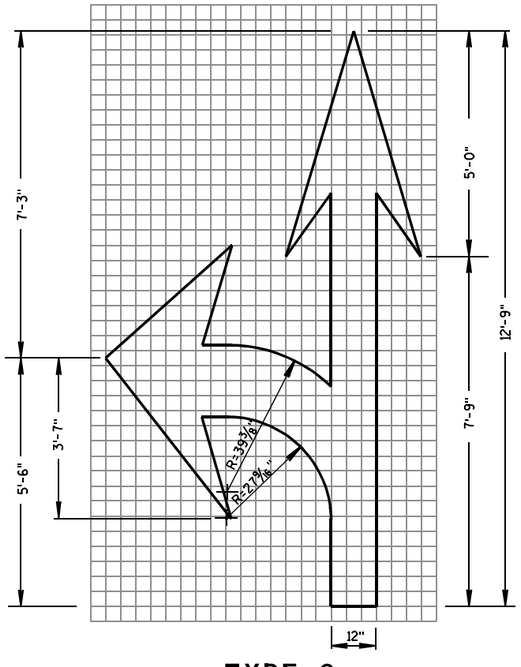
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

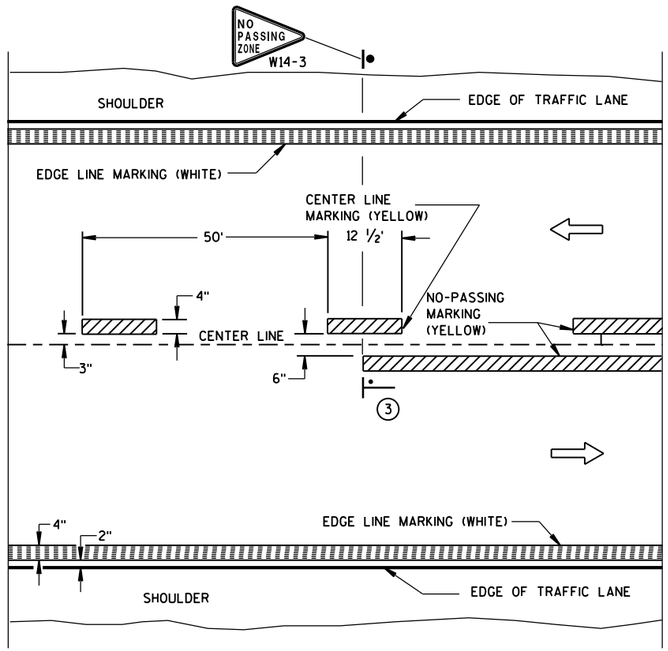
728

6

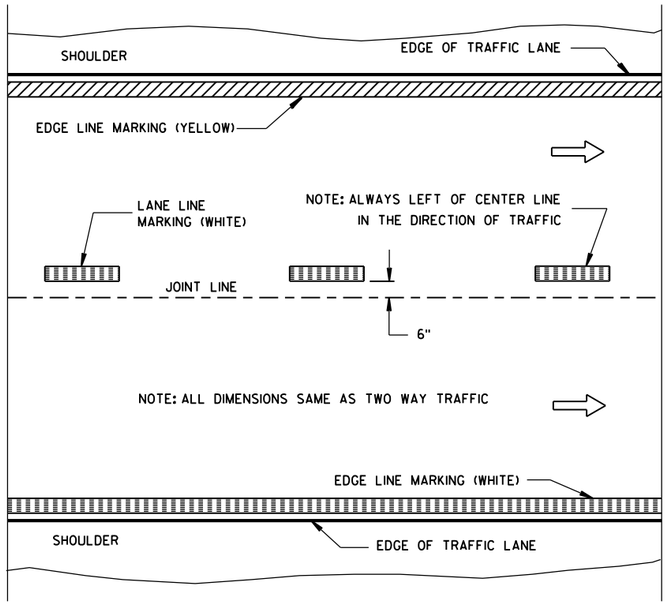
S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c

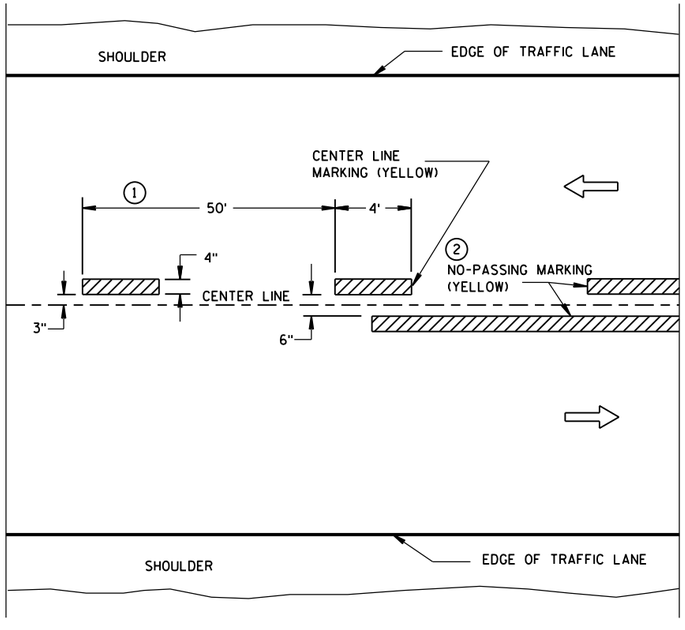


TWO WAY TRAFFIC

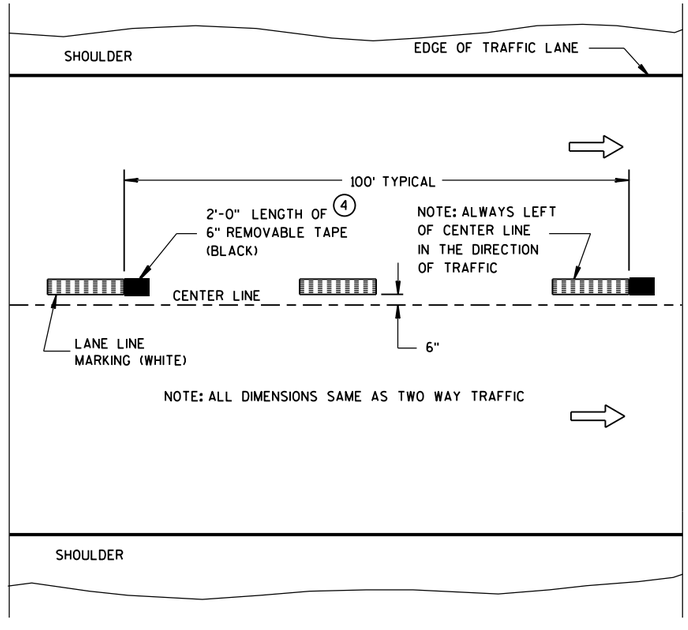


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

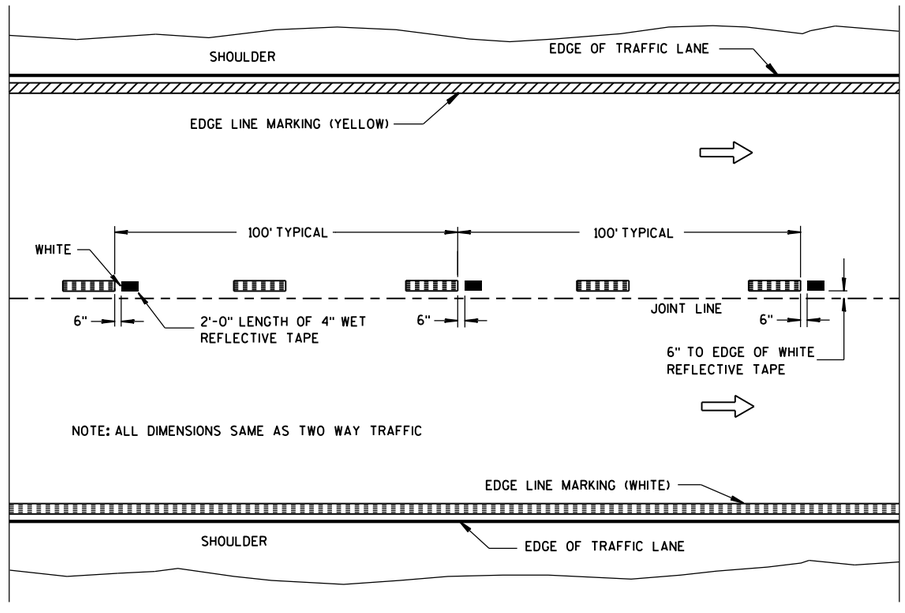
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

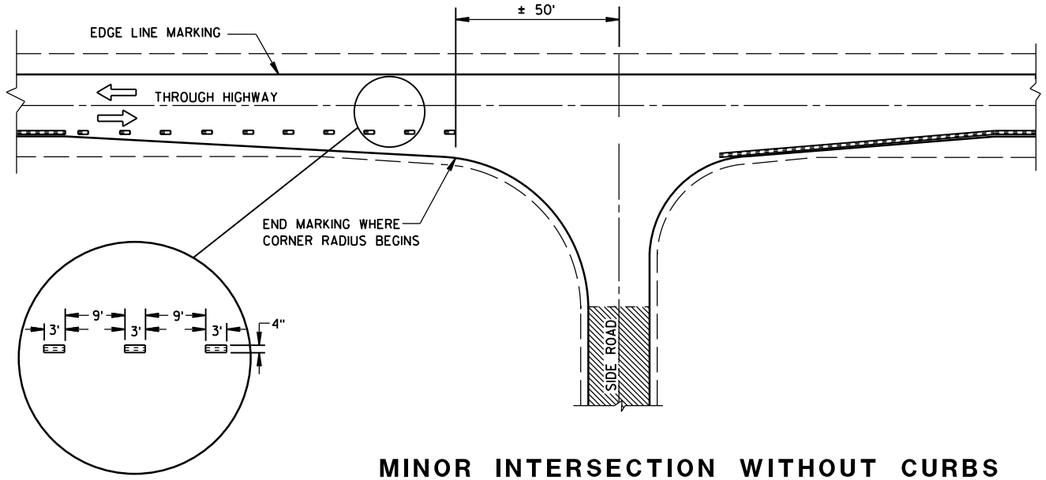
729

6

S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

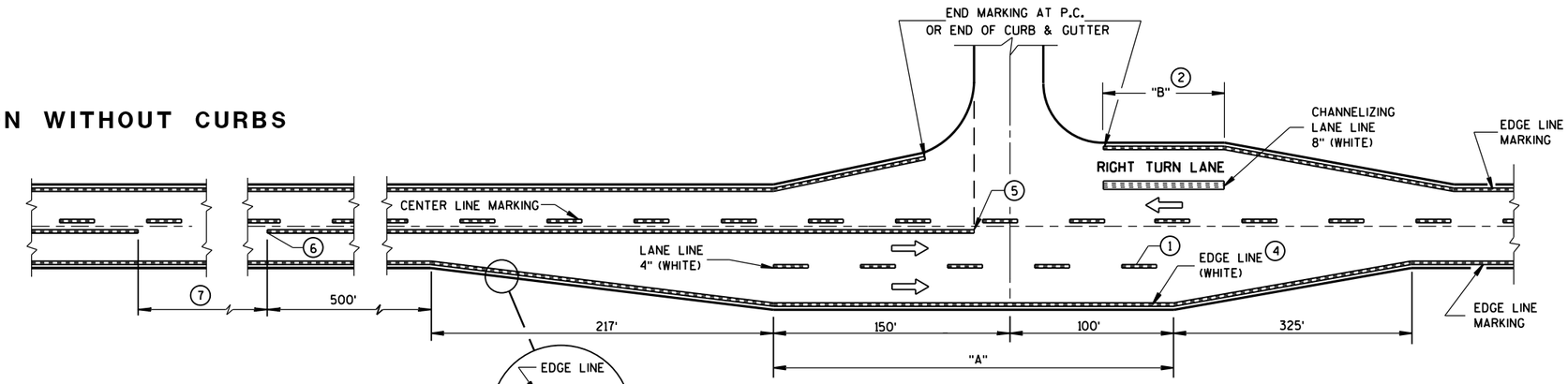
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

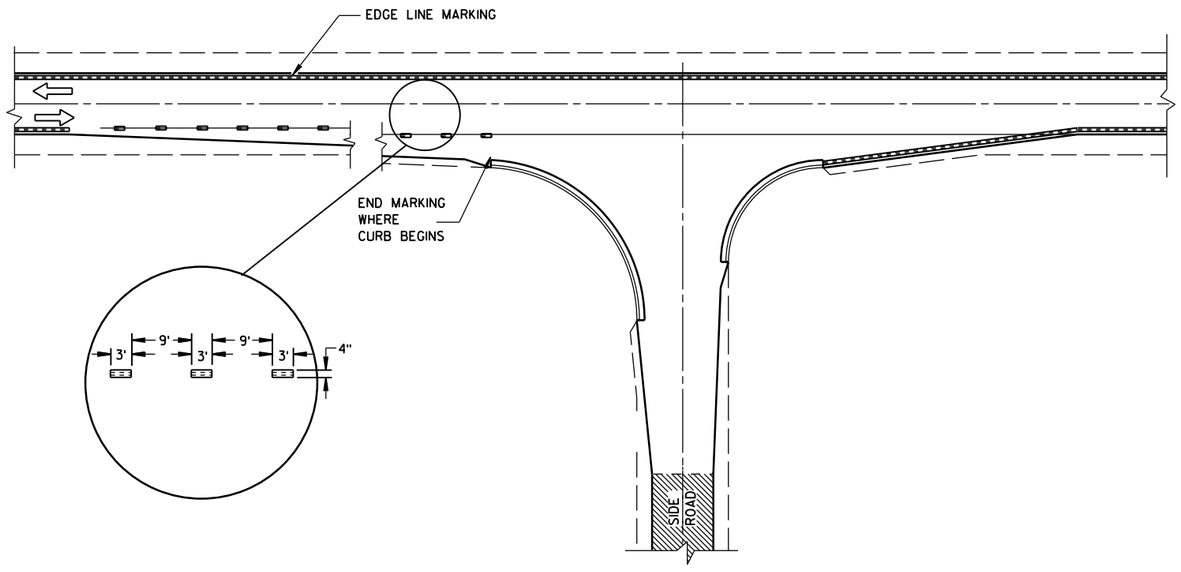
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



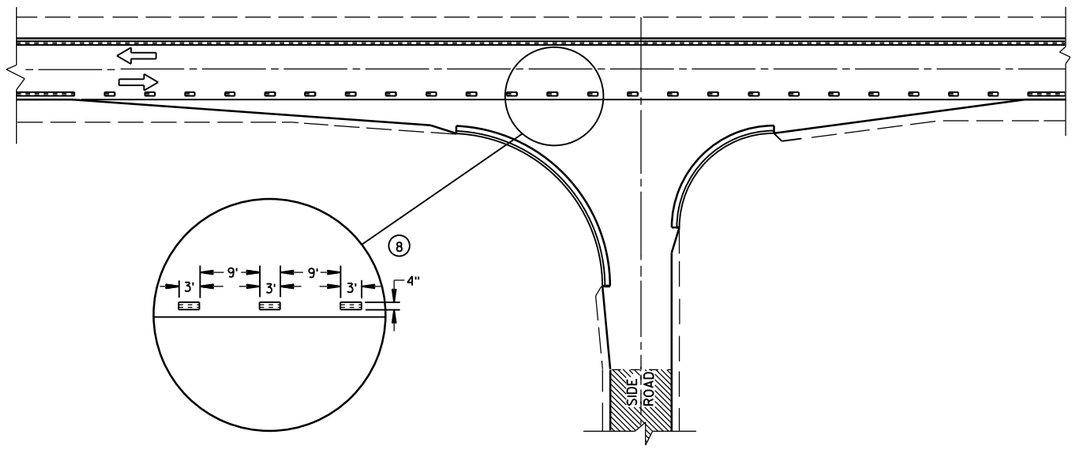
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

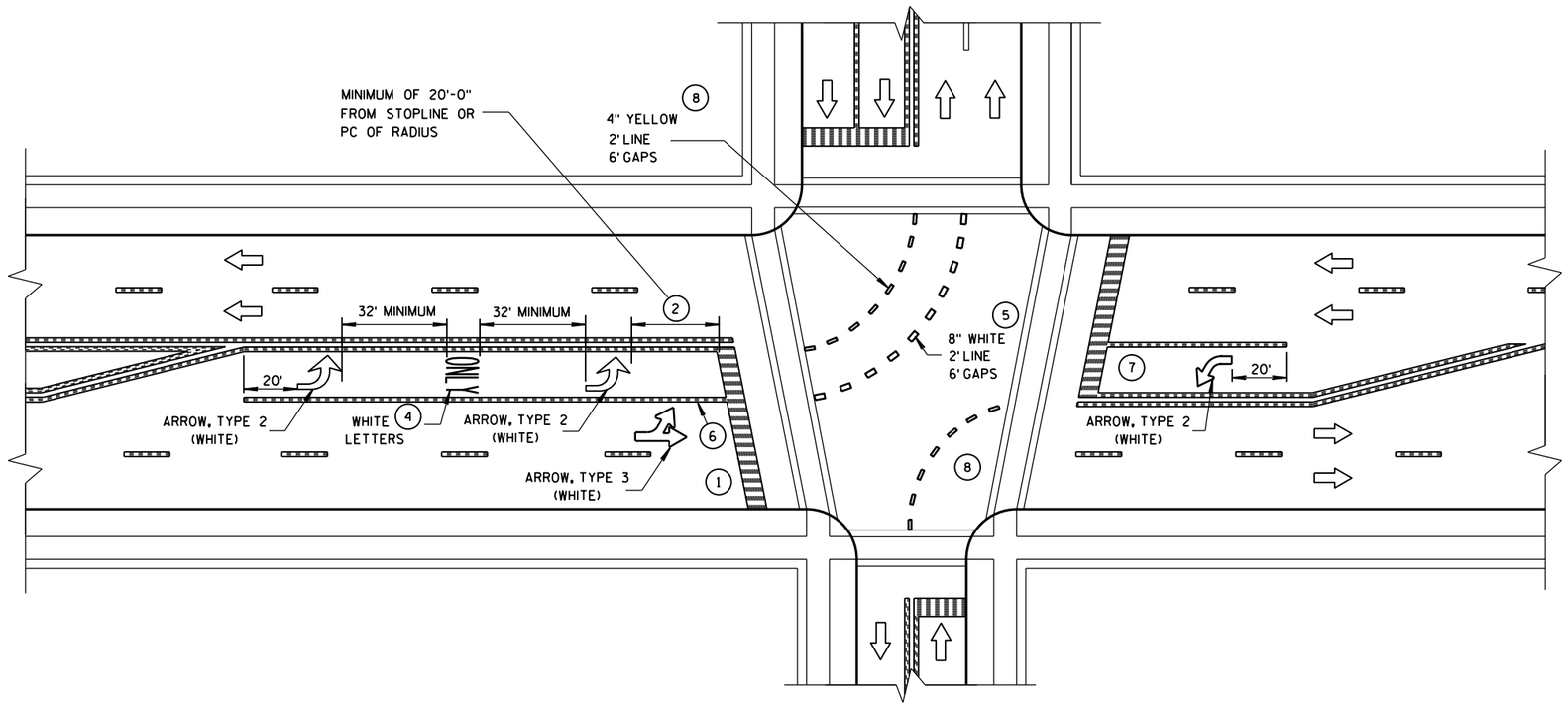
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 730

6

S.D.D. 15 C 8-16b

6

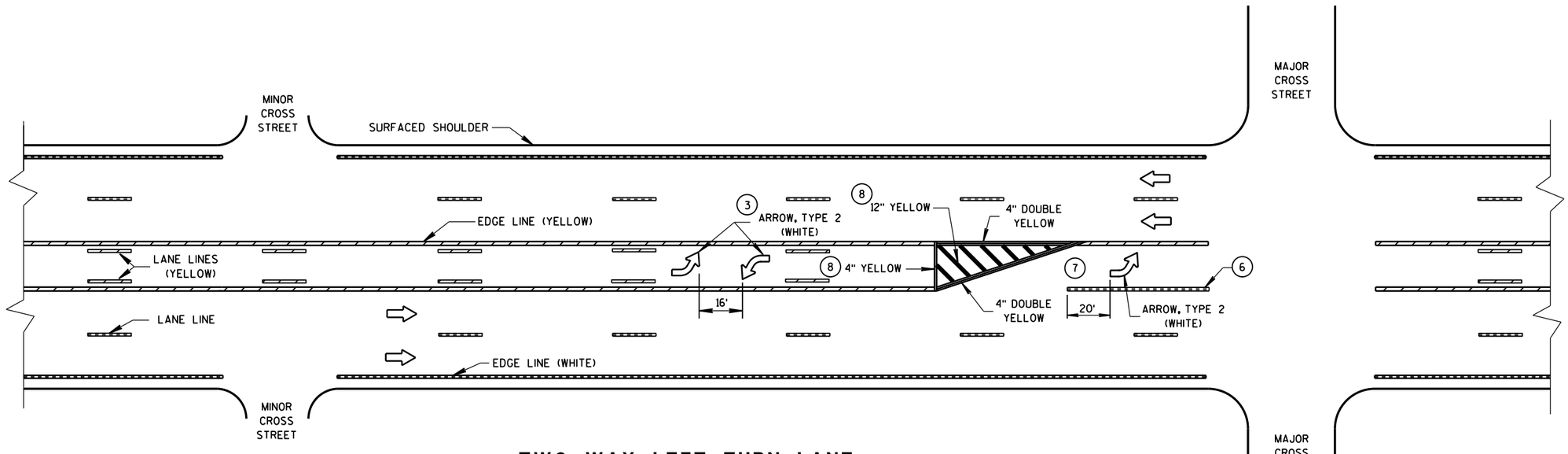
S.D.D. 15 C 8-16b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



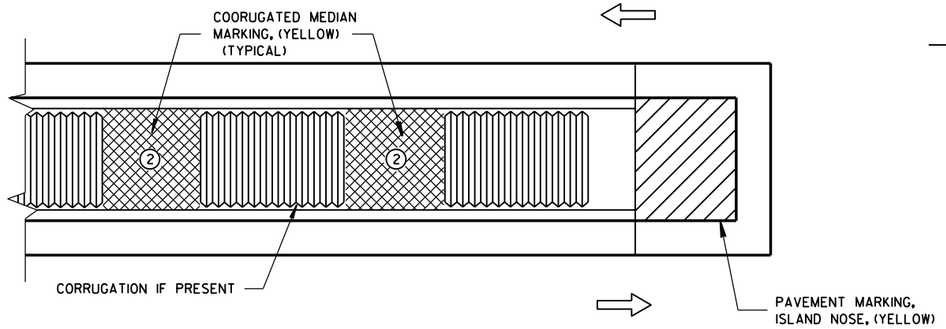
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

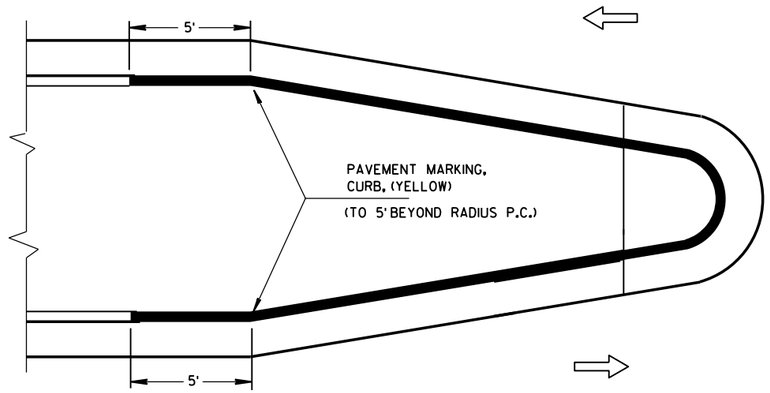
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

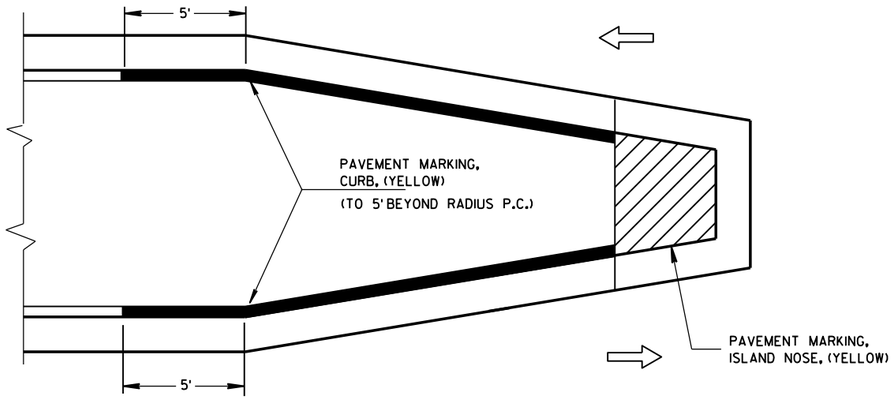
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

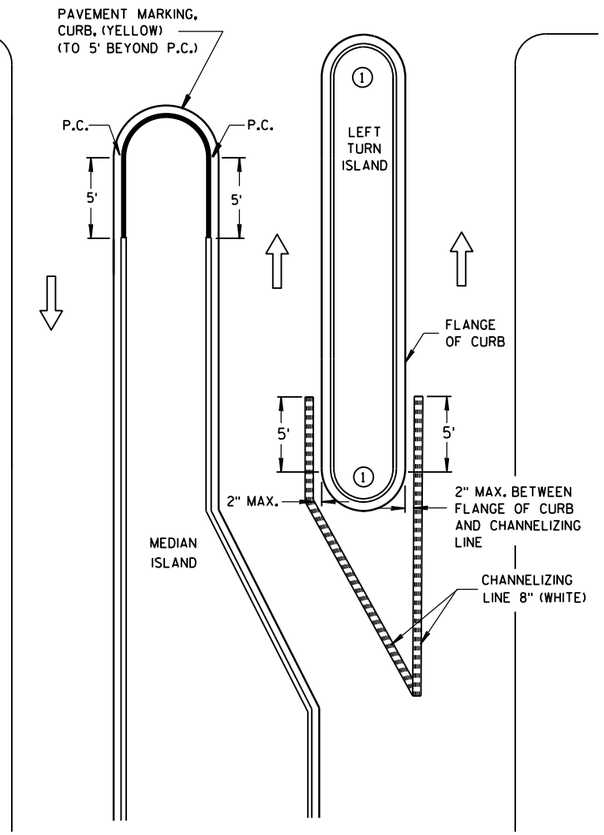


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

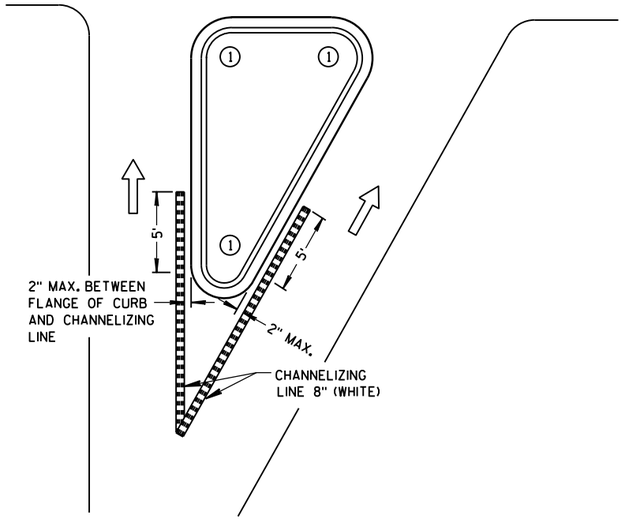


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

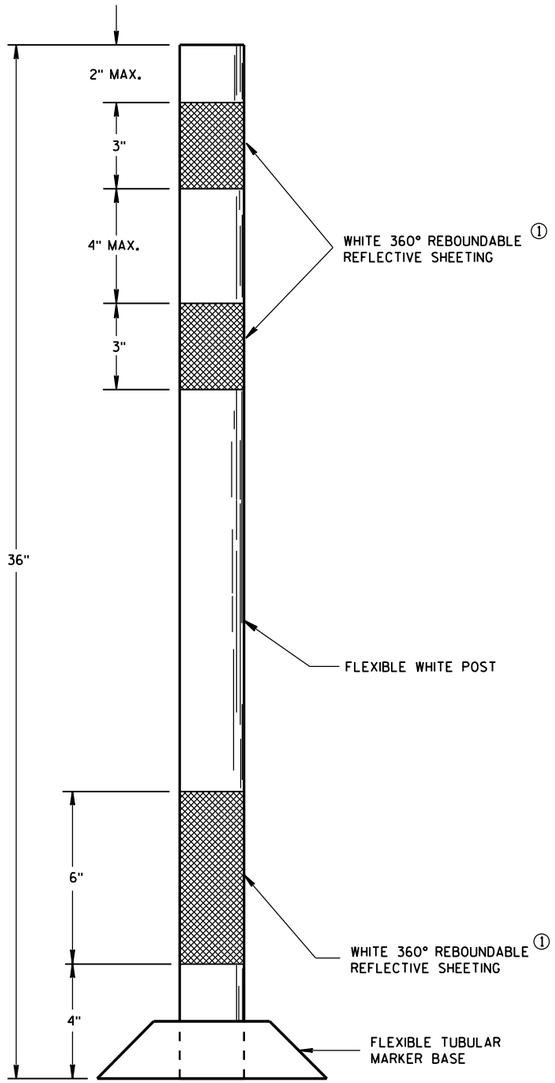
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

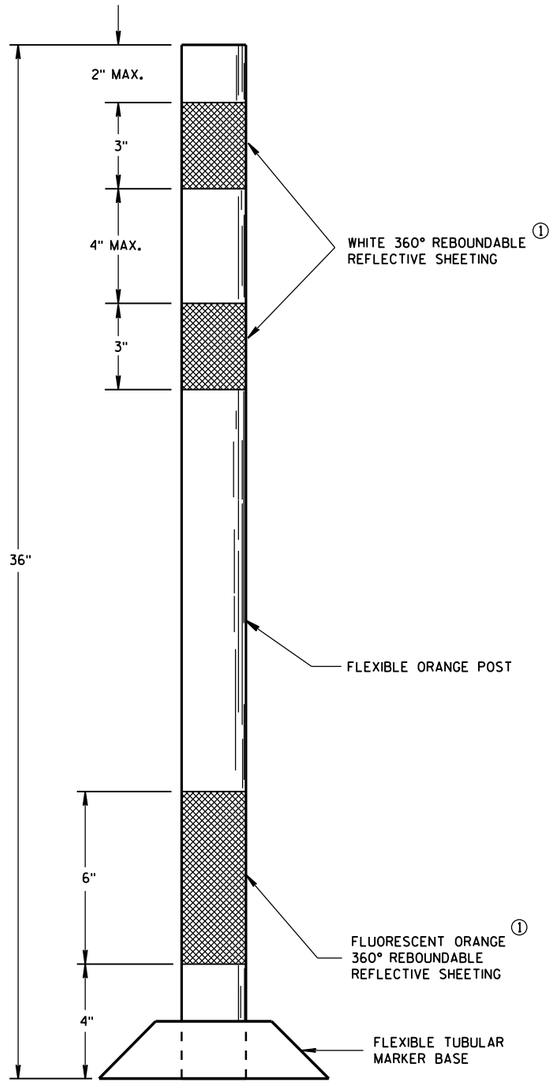
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-16f



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-16-2015
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON
SAFETY ENGINE
FHWA

6

S.D.D. 15 C 11-6

GENERAL NOTES

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

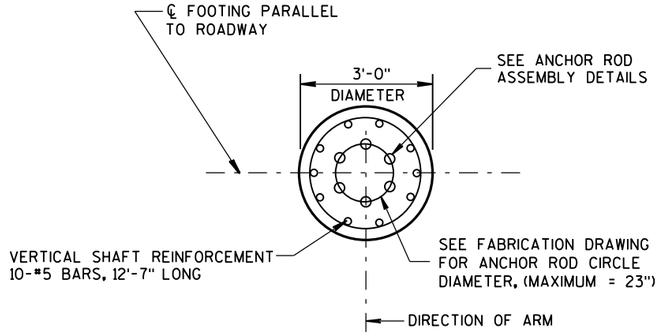
THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

FORM ALL EXPOSED CONCRETE CORNERS WITH ¾" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

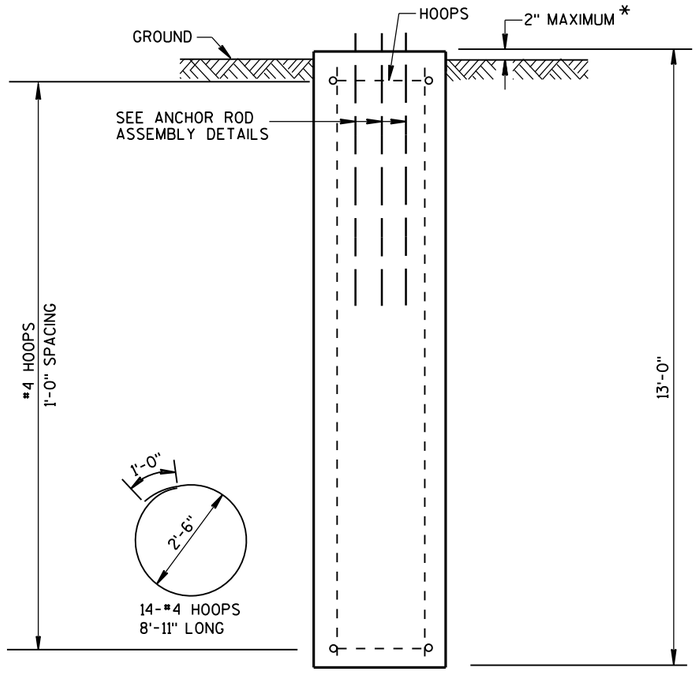
ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554, GRADE 55	fy=55,000 p.s.i.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.	
PLATES, ASTM A709, GRADE 36	fy=36,000 p.s.i.

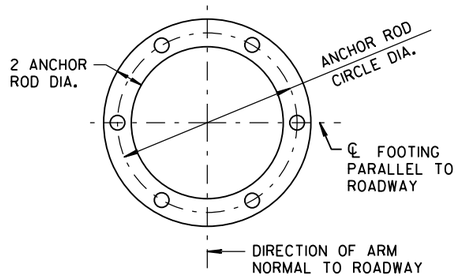
THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



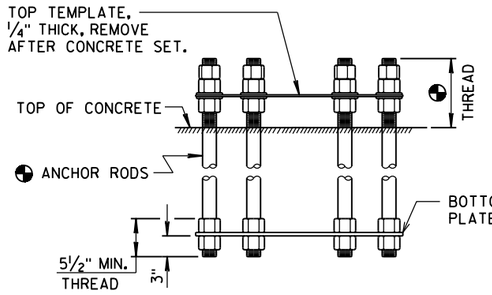
PLAN VIEW



ELEVATION VIEW



TOP TEMPLATE AND BOTTOM ANCHOR PLATE



ANCHOR ROD ASSEMBLY DETAILS

◔ MINIMUM OF 6 ANCHOR RODS, EXACT NUMBER, SIZE, DIMENSION AND ORIENTATION AS SHOWN ON FABRICATION DRAWING.

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
FHWA
/S/ Vu Thao
WIND LOADED STRU PROGRAM LEA

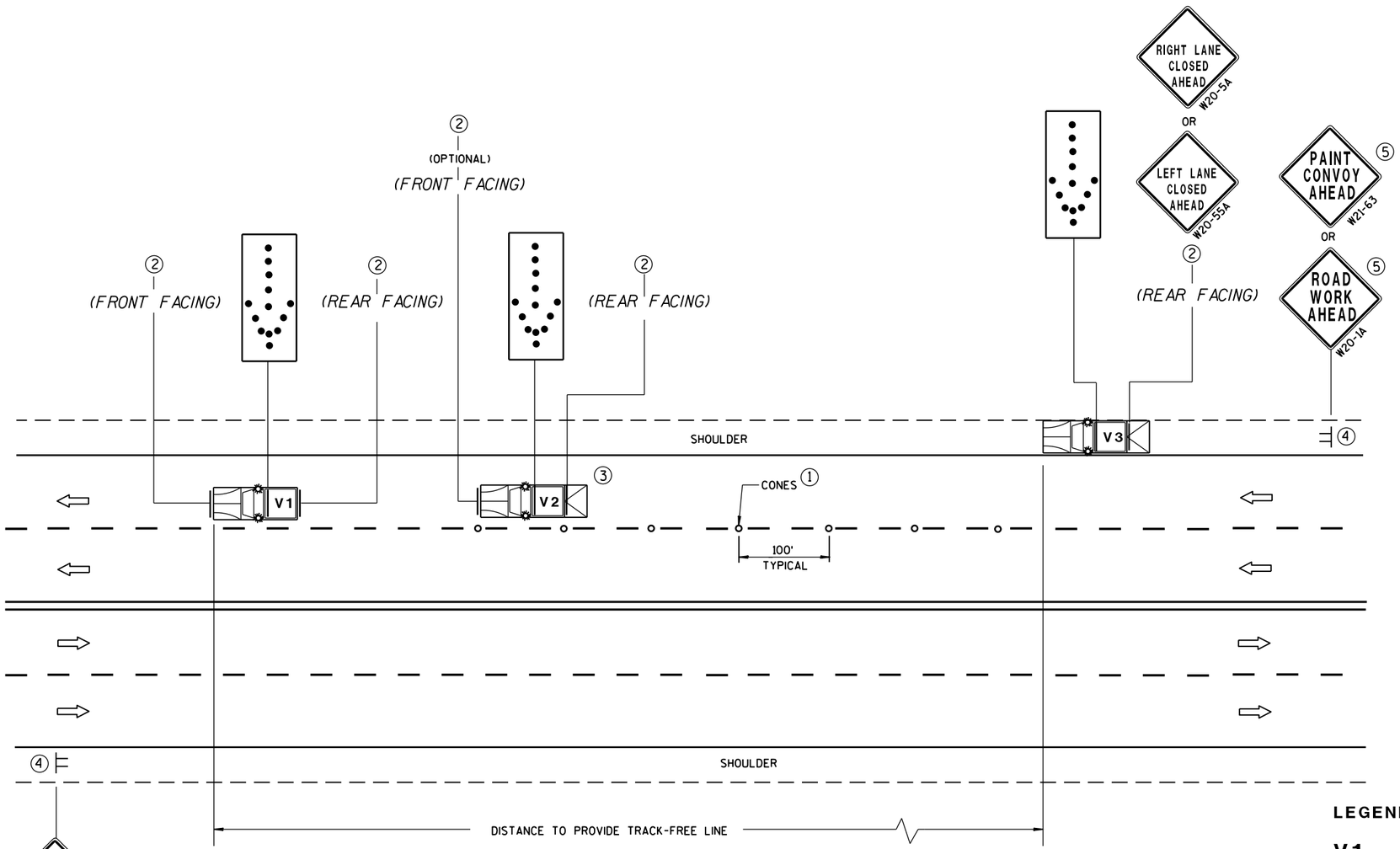
734

6

S.D.D. 15 C 15-4

6

S.D.D. 15 C 15-4



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED ROADWAY

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

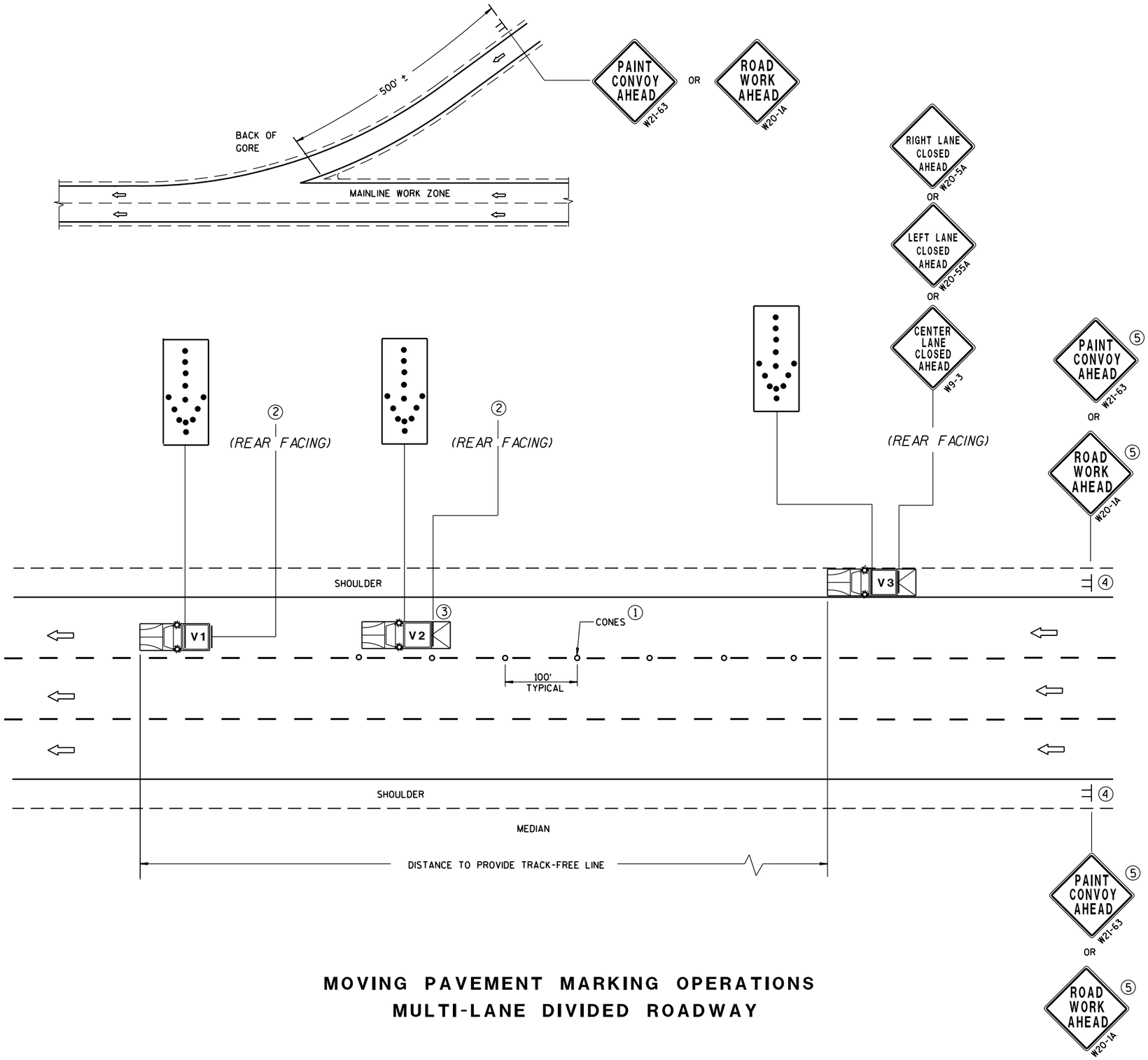
MOVING PAVEMENT MARKING OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZON SAFETY ENGINE
FHWA

6

S.D.D. 15 C 19-3b



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGINI
FHWA

6

S.D.D. 15 C 19-3c

6

S.D.D. 15 C 19-3c

GENERAL NOTES

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

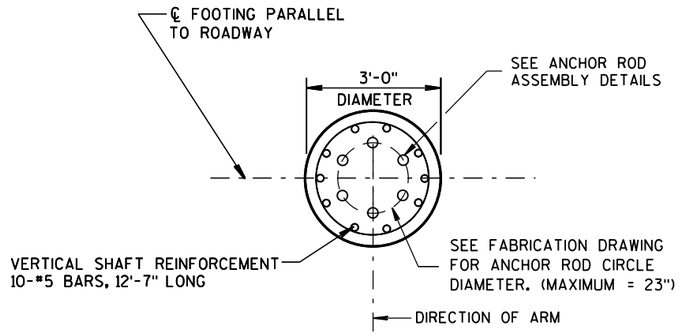
THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

FORM ALL EXPOSED CONCRETE CORNERS WITH ¾" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

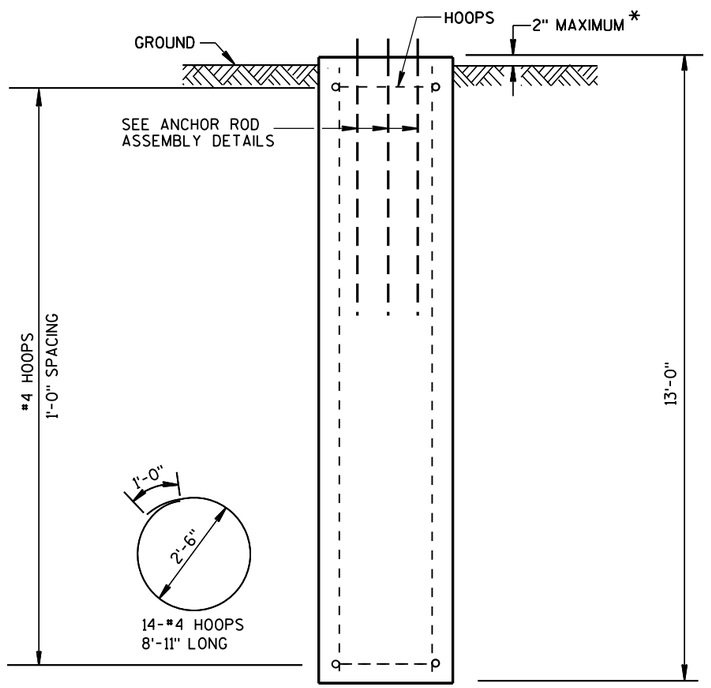
ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554, GRADE 55	fy=55,000 p.s.i.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.	
PLATES, ASTM A709, GRADE 36	fy=36,000 p.s.i.

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).

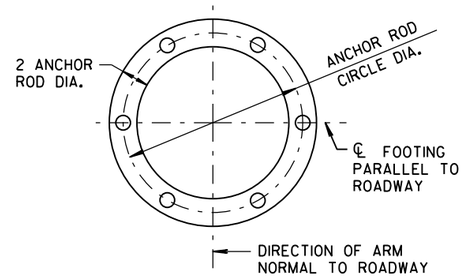


PLAN VIEW

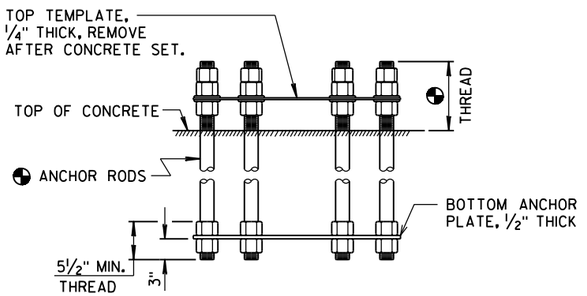


ELEVATION VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



TOP TEMPLATE AND BOTTOM ANCHOR PLATE



ANCHOR ROD ASSEMBLY DETAILS

◔ MINIMUM OF 6 ANCHOR RODS, EXACT NUMBER, SIZE, DIMENSION AND ORIENTATION AS SHOWN ON FABRICATION DRAWING.

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
FHWA

/S/ Vu Thao
WIND LOADED STRU PROGRAM LEAD

6

S.D.D. 15 C 24-3

6

S.D.D. 15 C 24-3

GENERAL NOTES

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

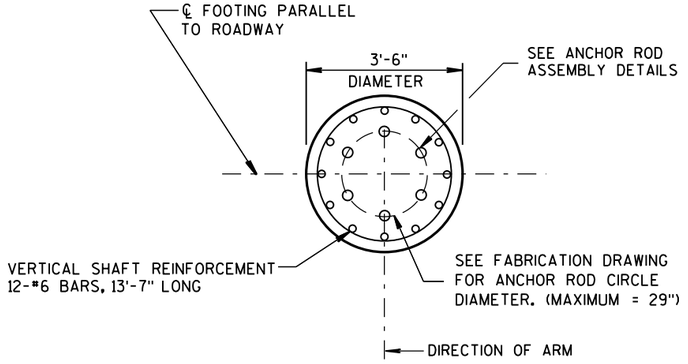
THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

FORM ALL EXPOSED CONCRETE CORNERS WITH ¾" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

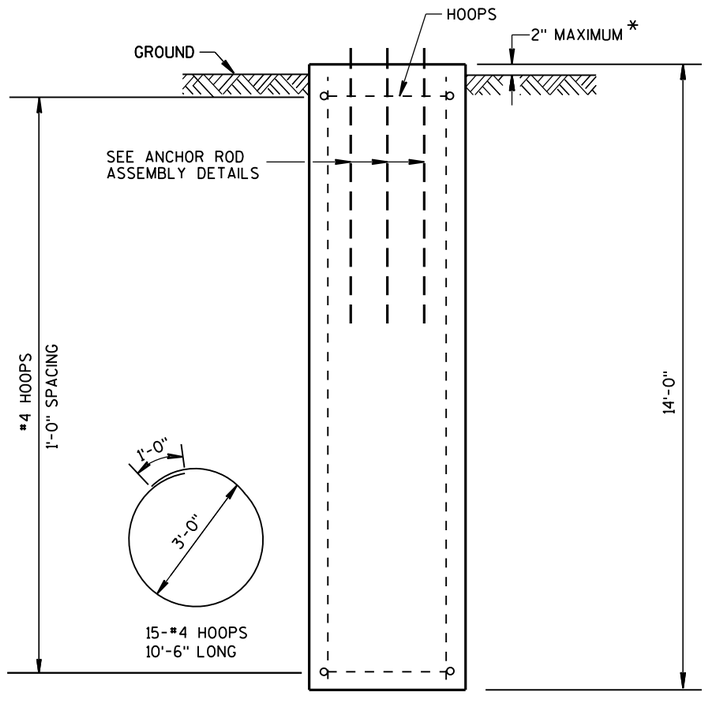
ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554, GRADE 55	fy=55,000 p.s.i.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.	
PLATES, ASTM A709, GRADE 36	fy=36,000 p.s.i.

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).

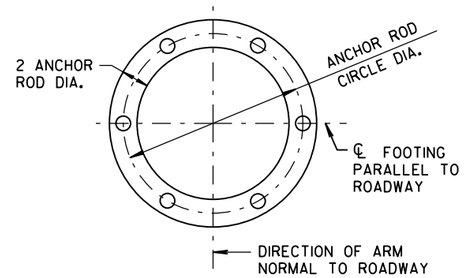


PLAN VIEW

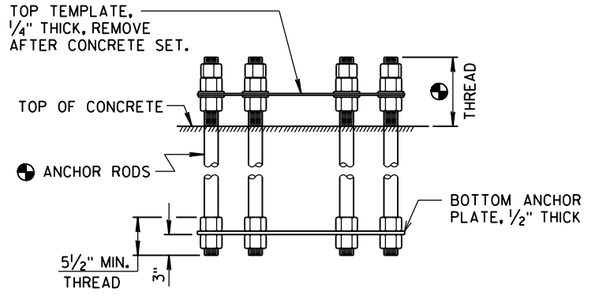


ELEVATION VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



TOP TEMPLATE AND BOTTOM ANCHOR PLATE



ANCHOR ROD ASSEMBLY DETAILS

◔ MINIMUM OF 6 ANCHOR RODS, EXACT NUMBER, SIZE, DIMENSION AND ORIENTATION AS SHOWN ON FABRICATION DRAWING.

CONCRETE - 5.0 C.Y. PER FOOTING
H.S. REINFORCEMENT - 350 LBS. PER FOOTING

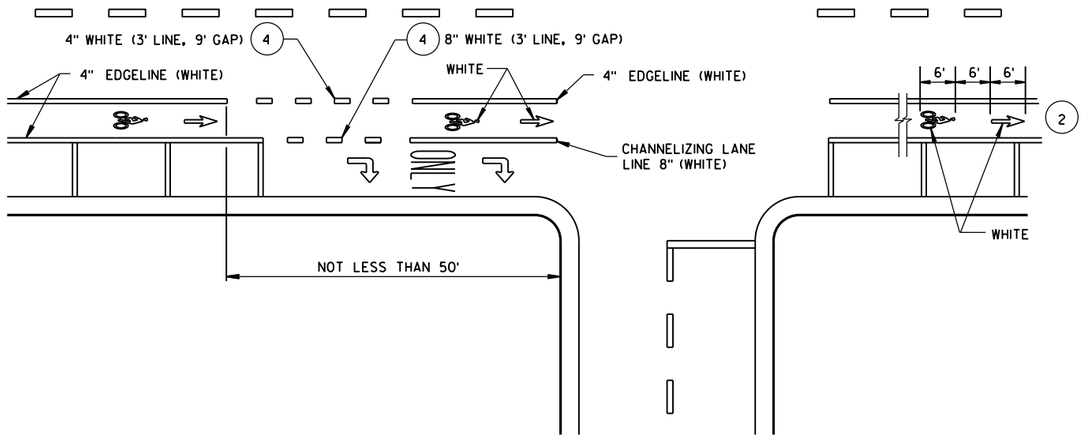
42" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
FHWA
/S/ Vu Thao
WIND LOADED STR PROGRAM LEA

6

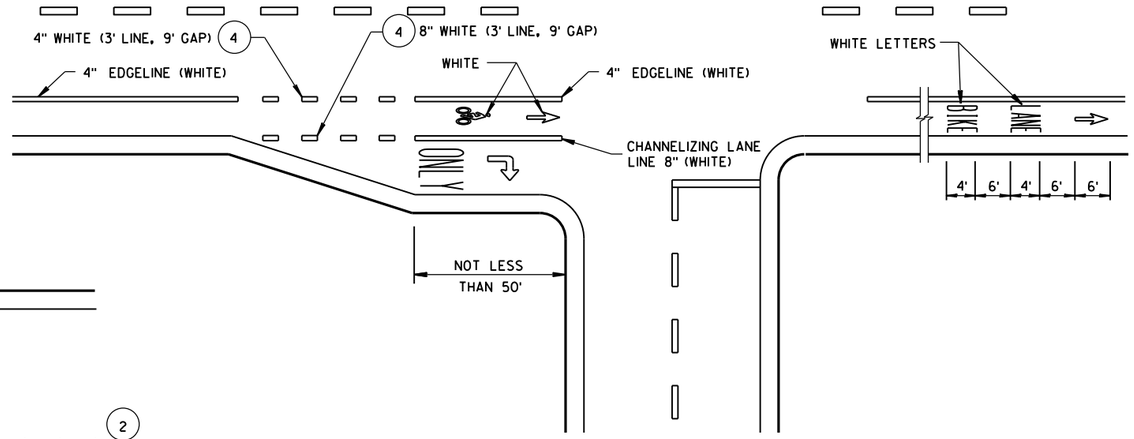
S.D.D. 15 C 25-3



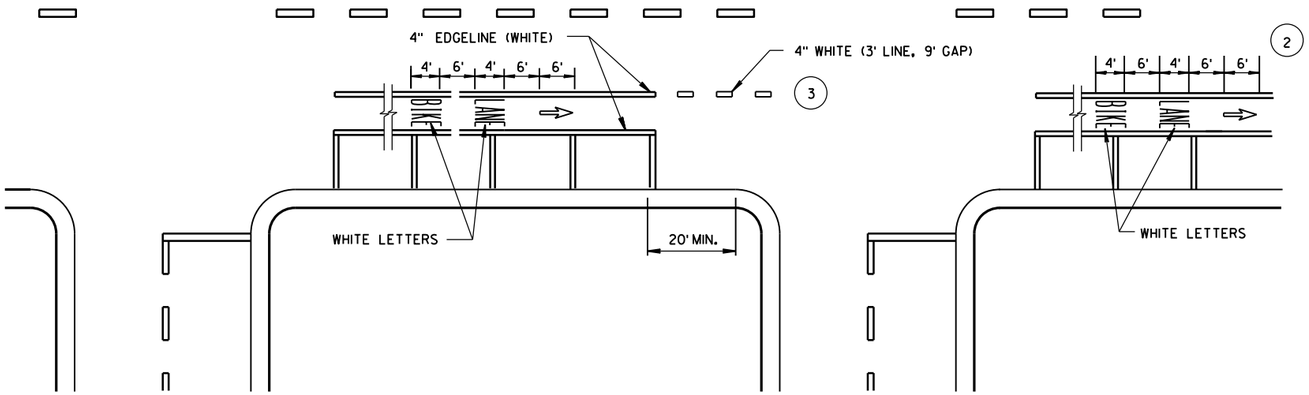
DESIGNATED BICYCLE LANE

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. WHEN SPECIFIED IN THE CONTRACT.



DESIGNATED BICYCLE LANE
NO PARKING, RIGHT TURN LANE



DESIGNATED BICYCLE LANE
WITH PARKING, NO RIGHT TURN LANE

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/30/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC EN 739
FHWA

6

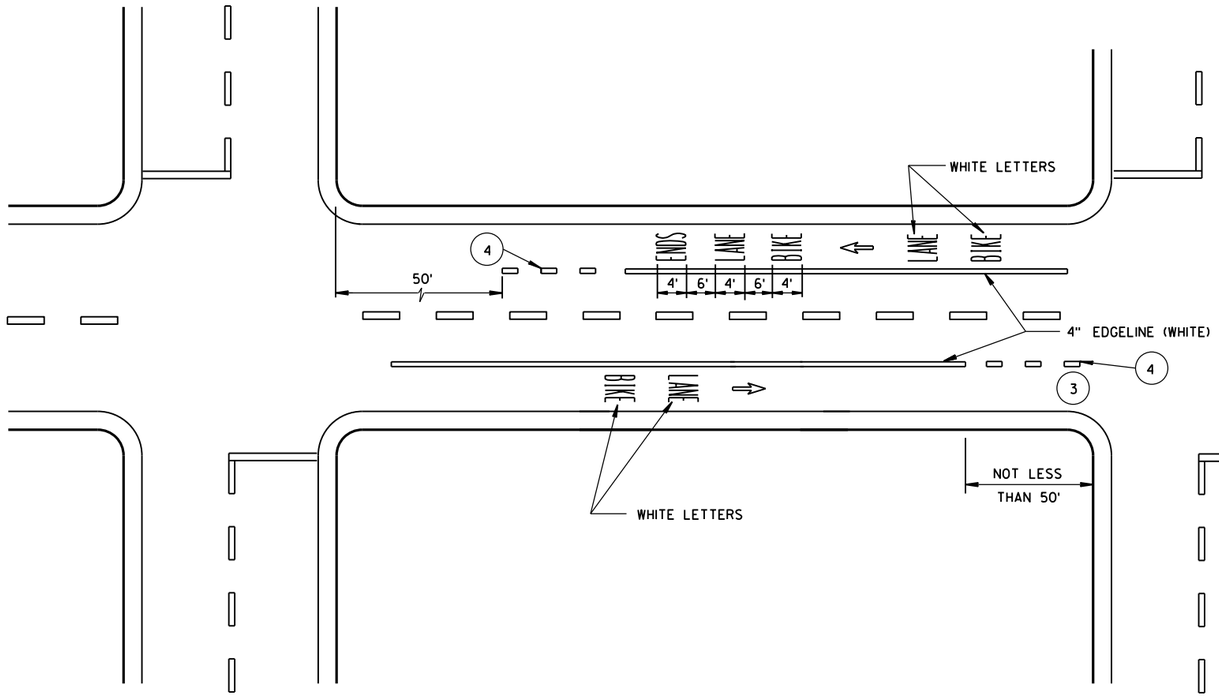
S.D.D. 15 C 29-3c

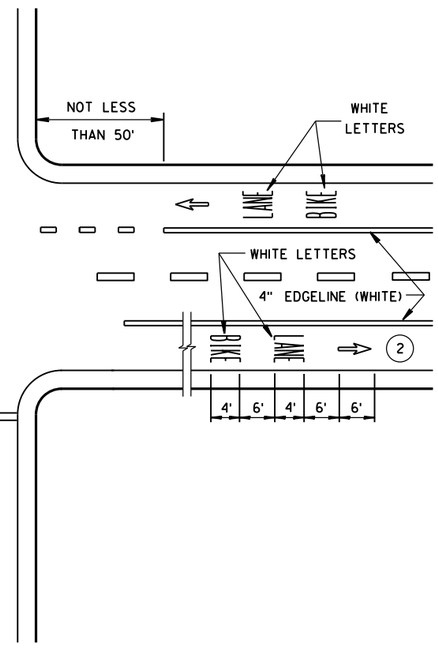
6

S.D.D. 15 C 29-3c

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. 3' LINE, 9' GAP - 4" WIDE, WHITE.





DESIGNATED BICYCLE LANE
NO PARKING

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC EN 740

FHWA

6

S.D.D. 15 C 29-3d

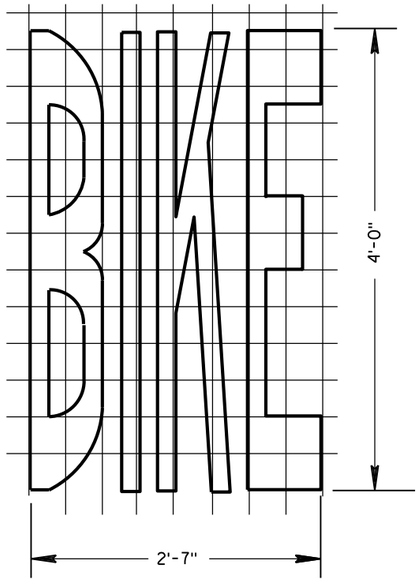
6

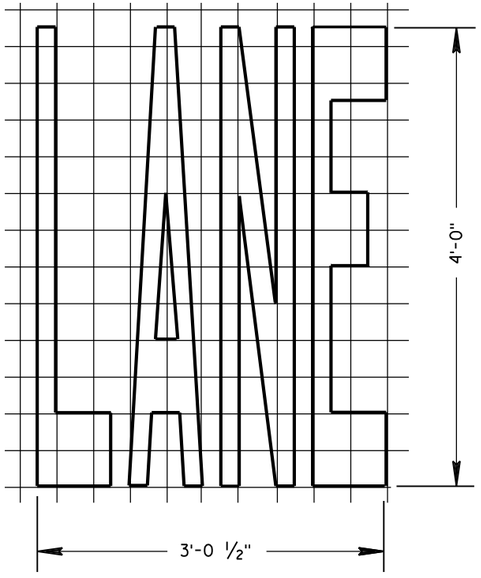
S.D.D. 15 C 29-3d

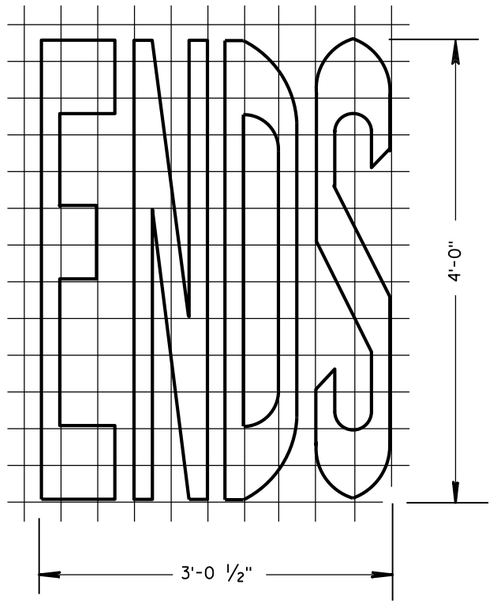
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

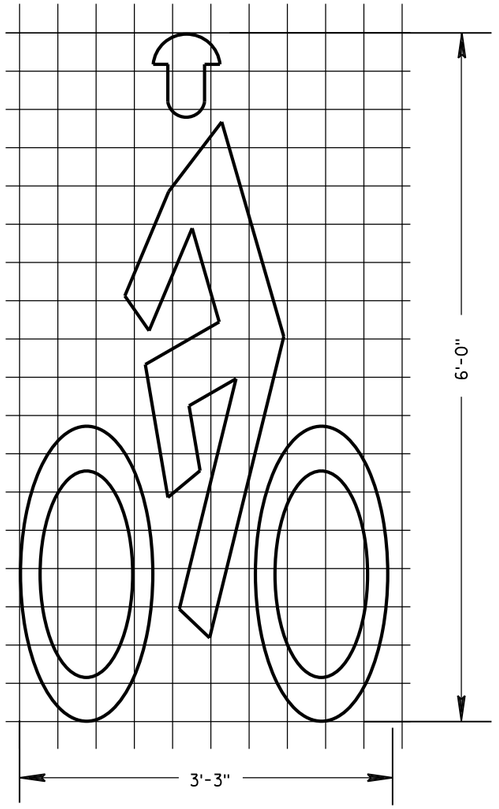
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



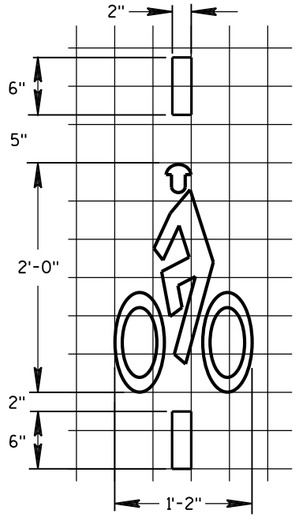




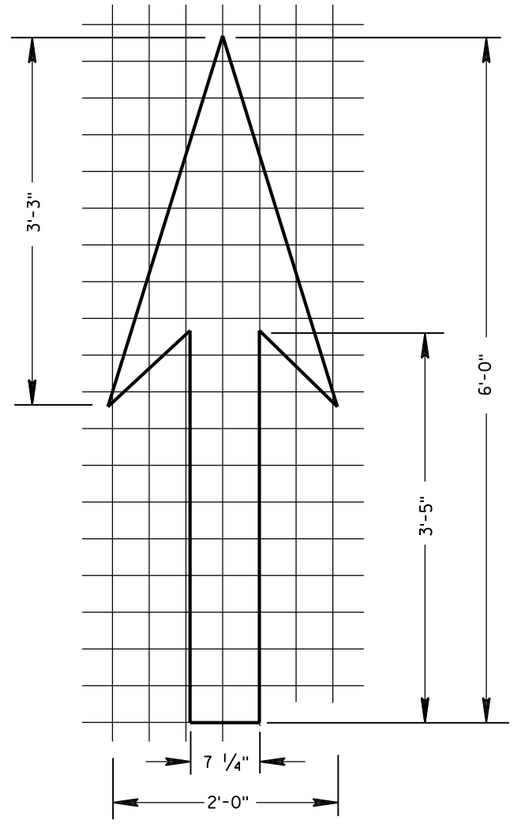
BIKE LANE WORDS



BIKE LANE SYMBOL



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE ARROW

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-30-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC EN

741

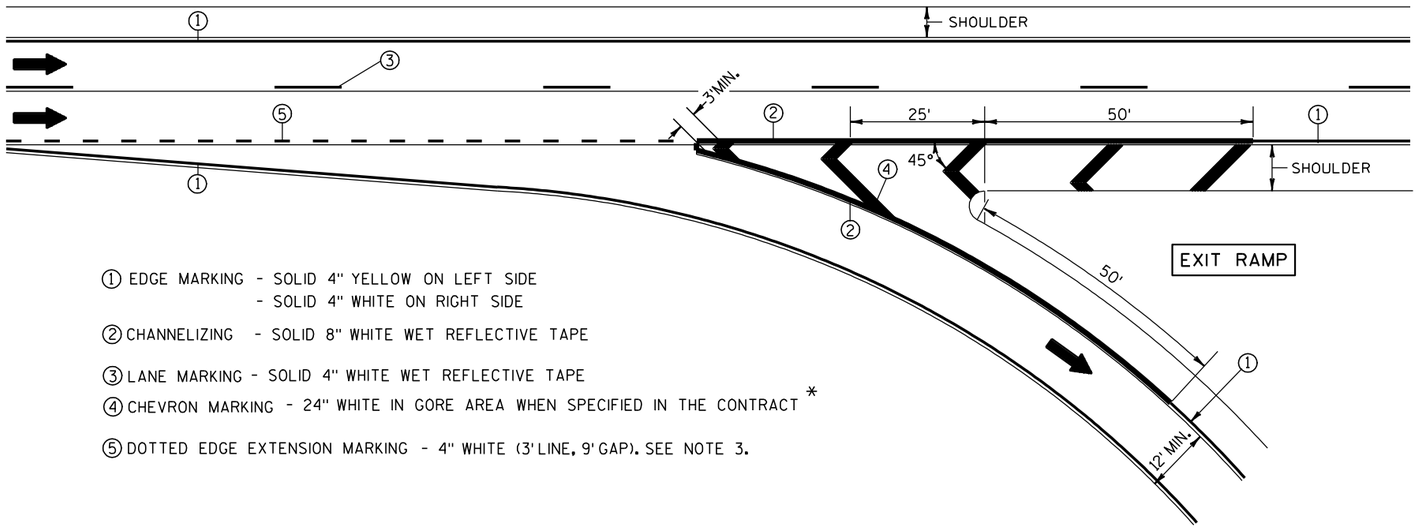
FHWA

6

S.D.D. 15 C 29-3e

6

S.D.D. 15 C 29-3e



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE

② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE

③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE

④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *

⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

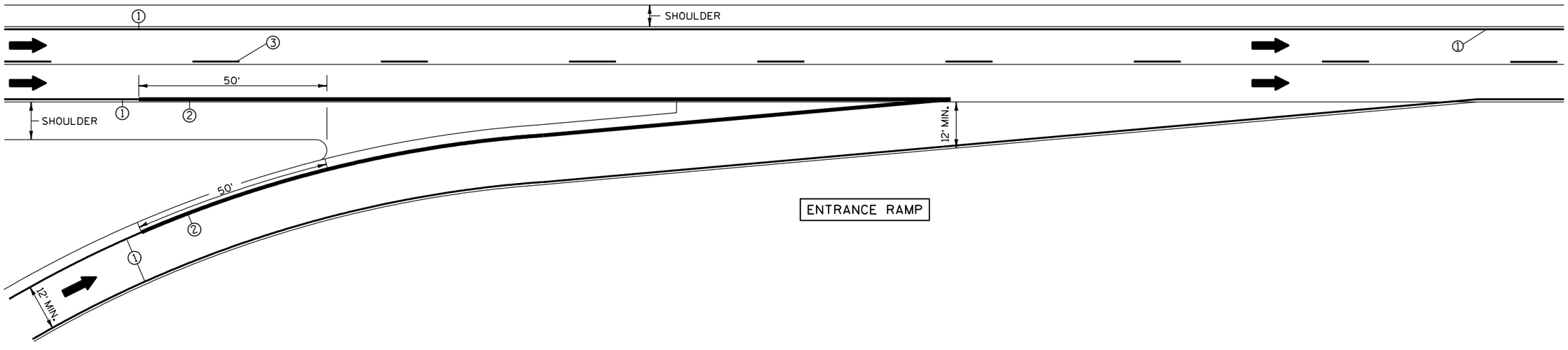
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.



6

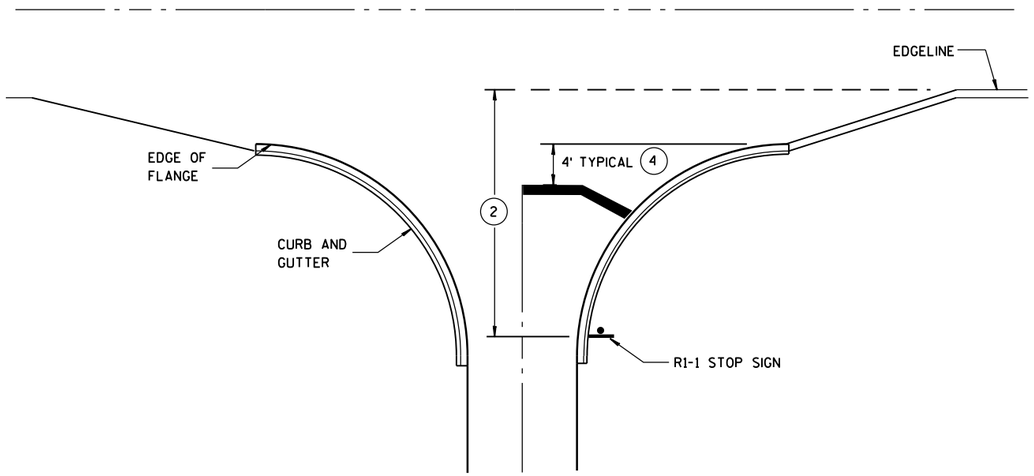
6

S.D.D. 15 C 31-1a

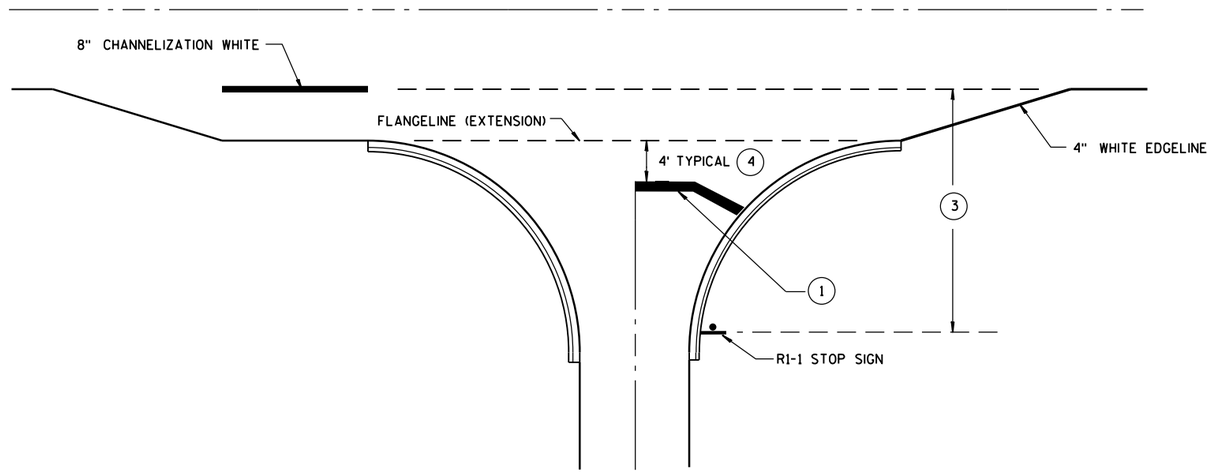
S.D.D. 15 C 31-1a

PAVEMENT MARKING
(RAMPS AND GORES)

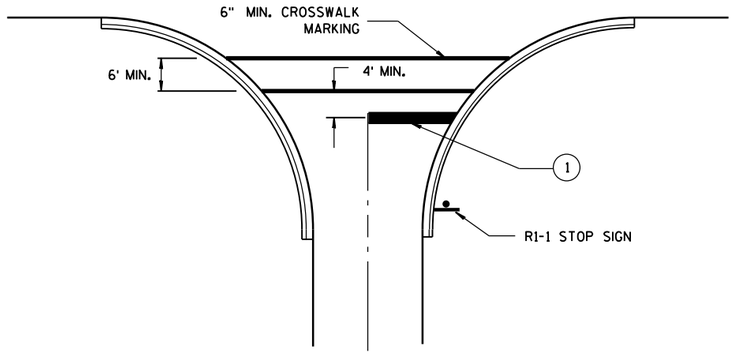
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



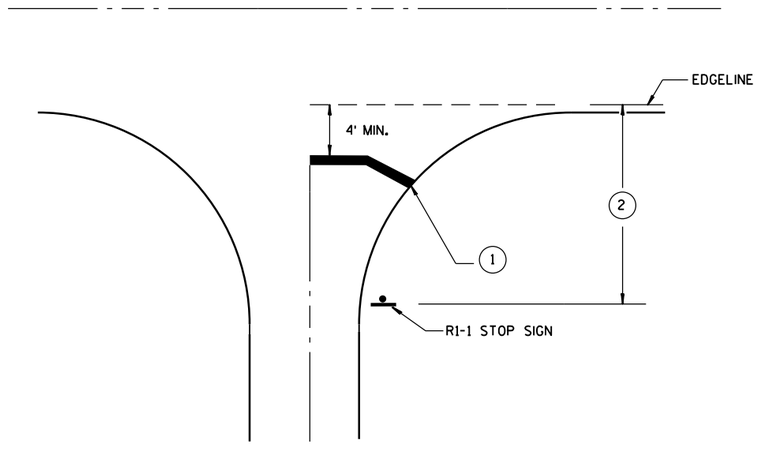
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/30/2013 DATE
/S/ Travis Feltes
STATE TRAFFIC EI
FHWA

6

S.D.D. 15 C 33-1

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

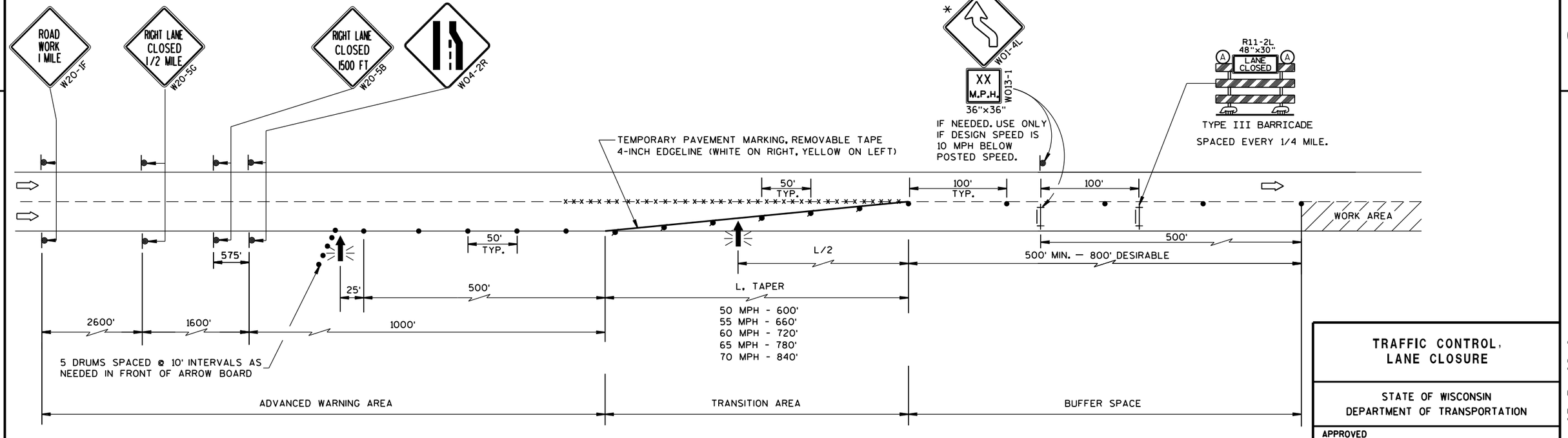
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

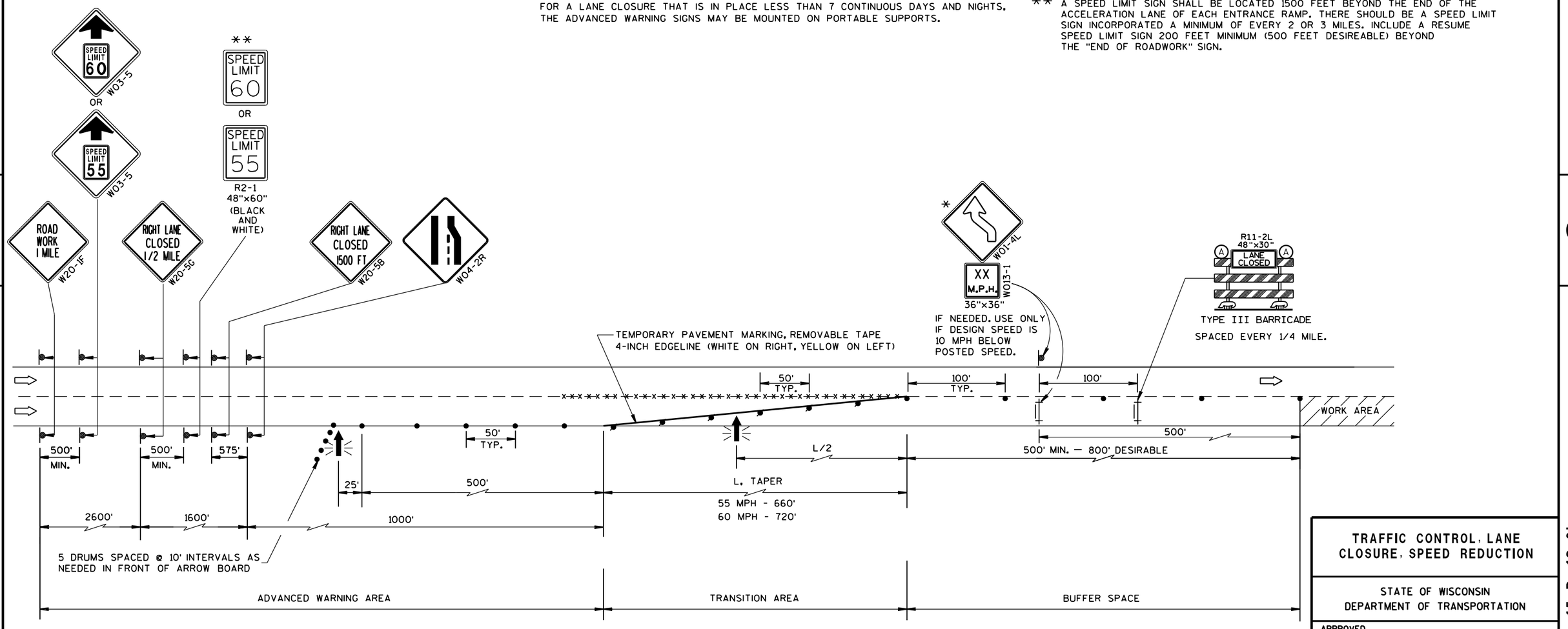
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.

** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

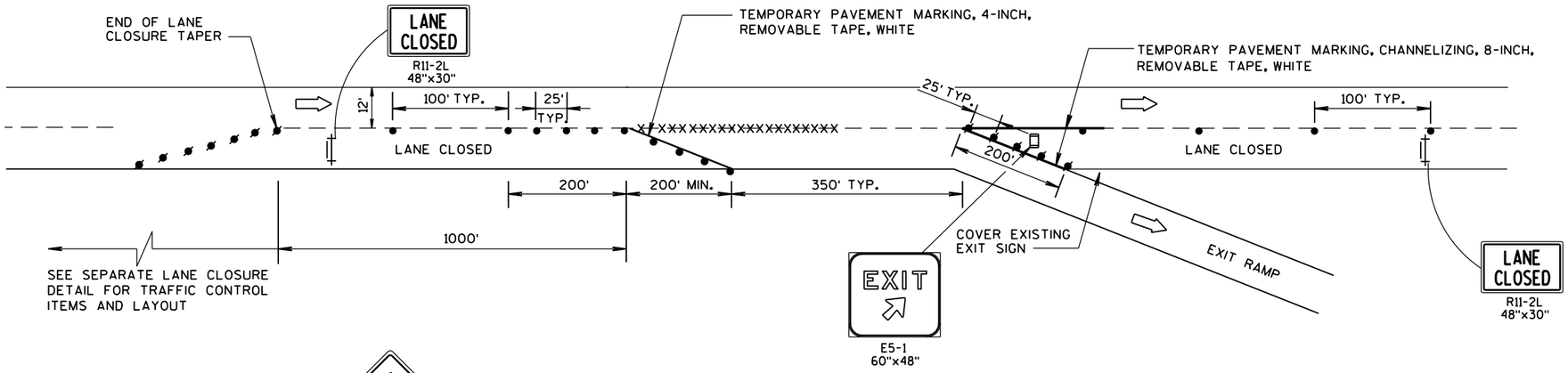
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

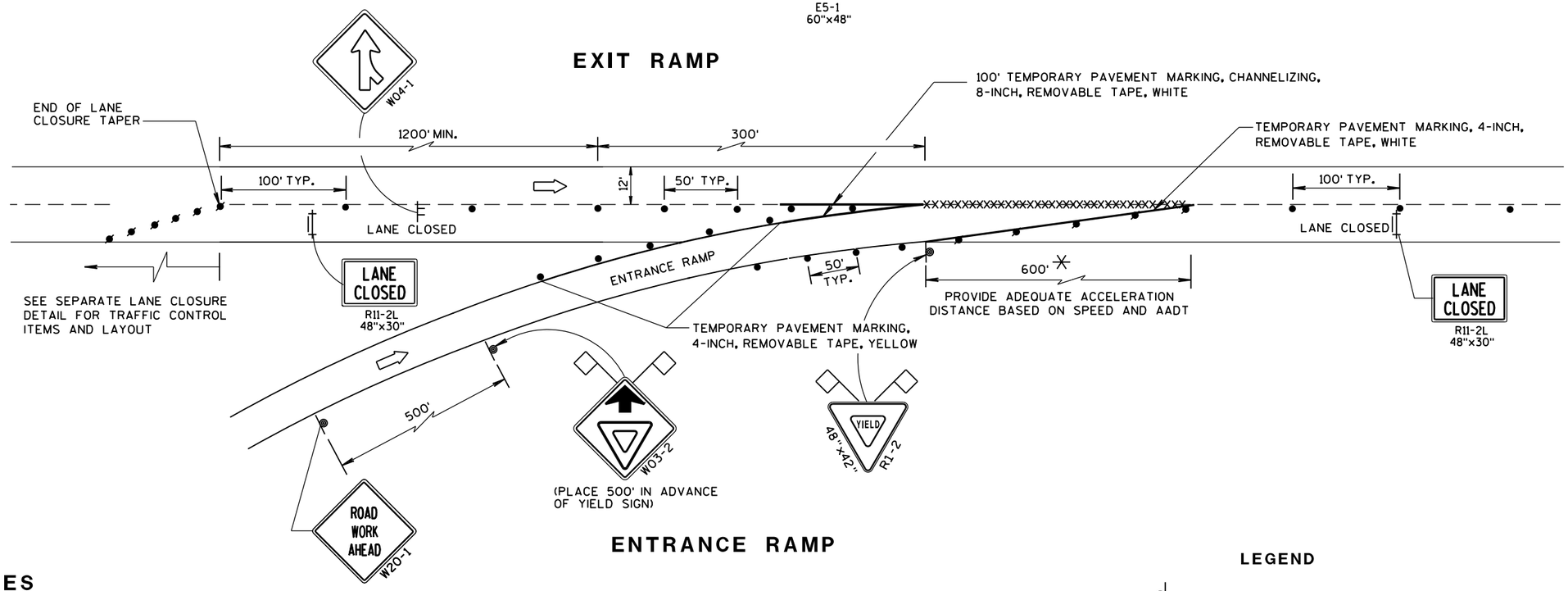
S.D.D. 15 D 12-6b

6

S.D.D. 15 D 12-6b



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

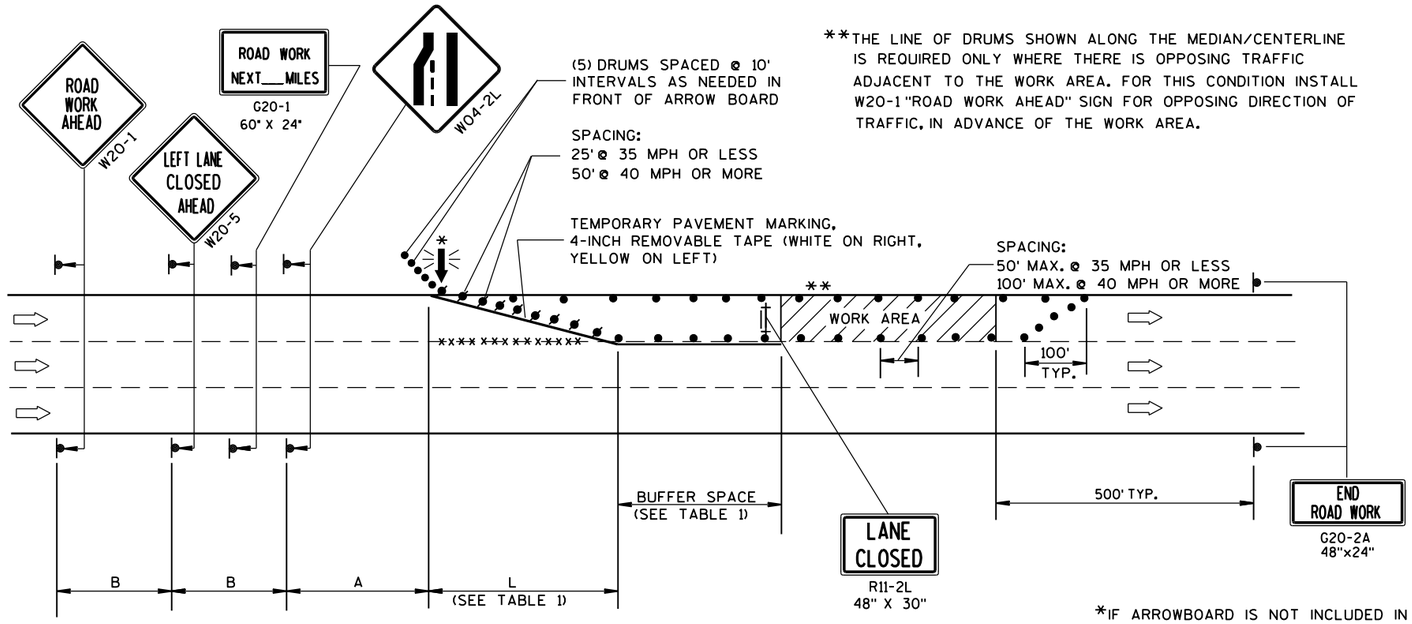
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6
S.D.D. 15 D 15-2



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

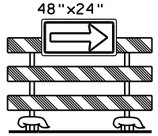


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

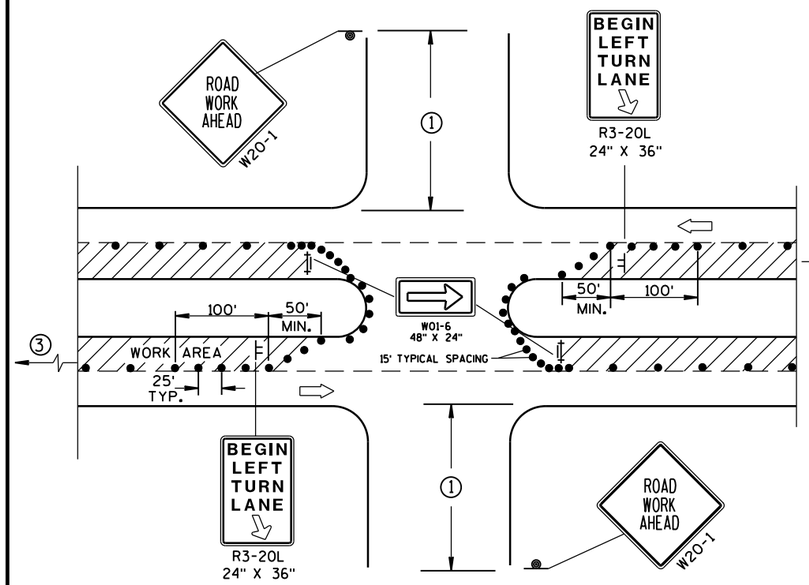
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

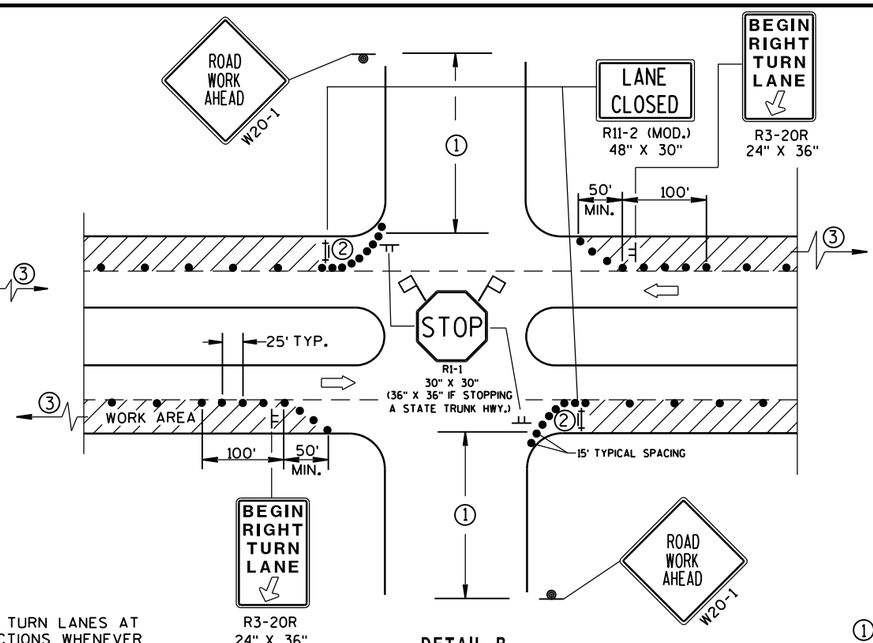
S.D.D. 15 D 20-3



DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

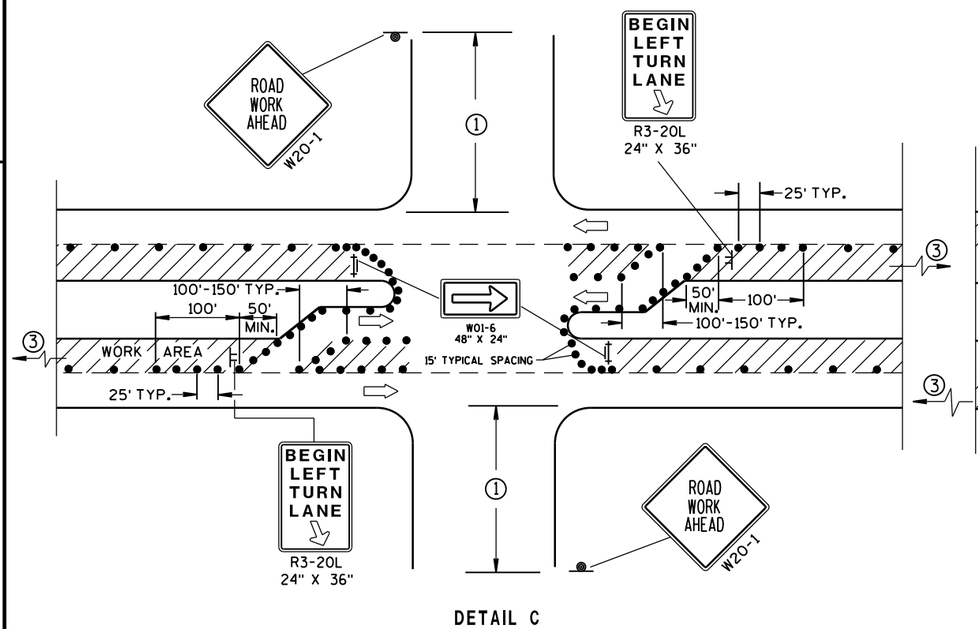
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

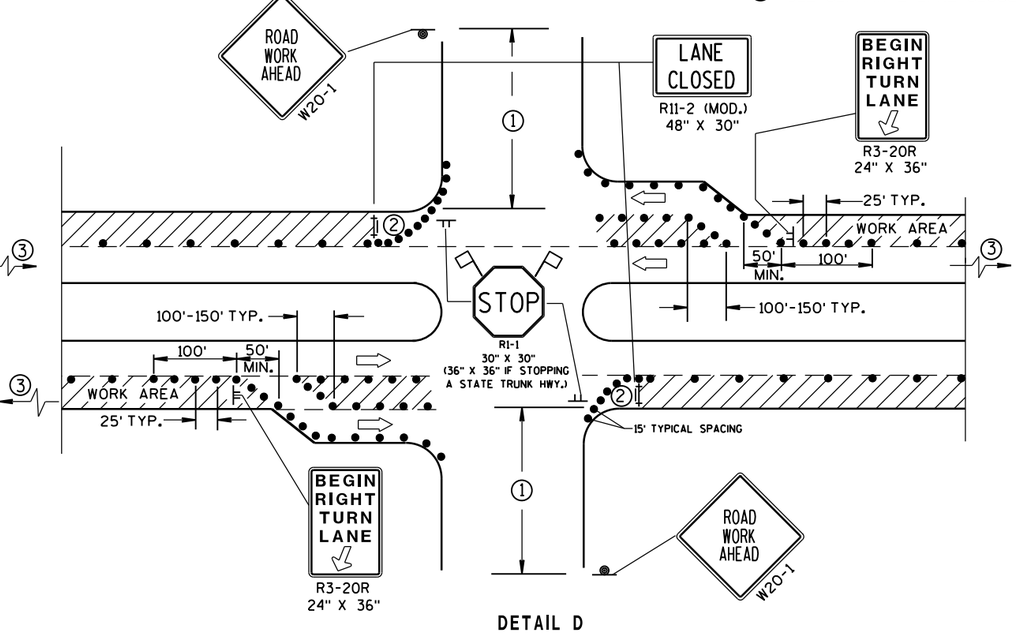
② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 D 21-3

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

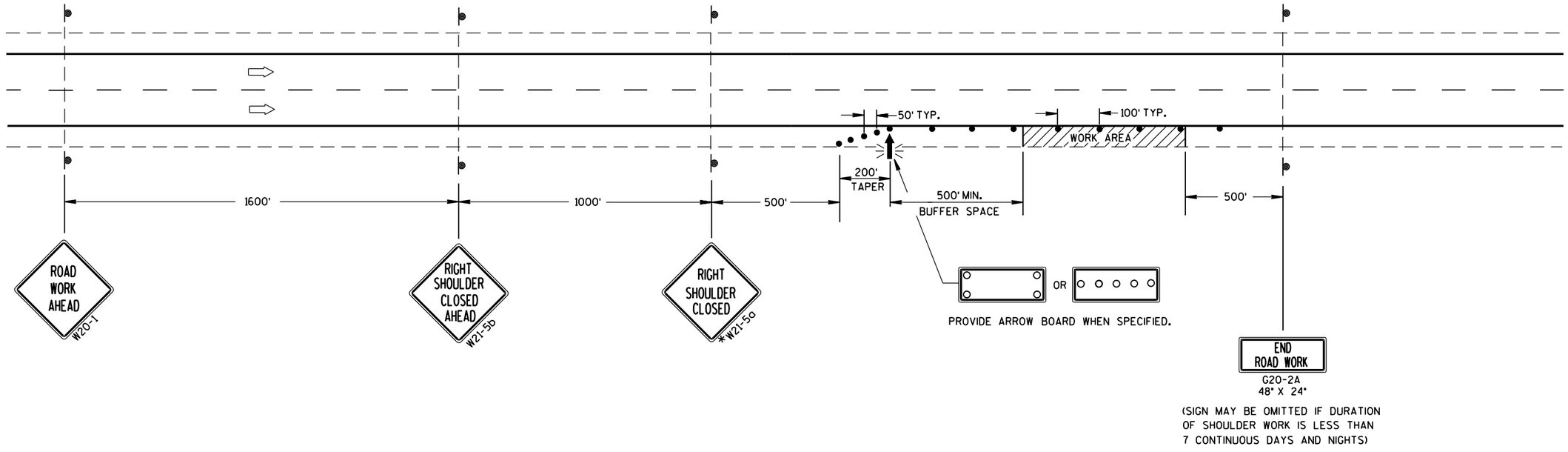
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

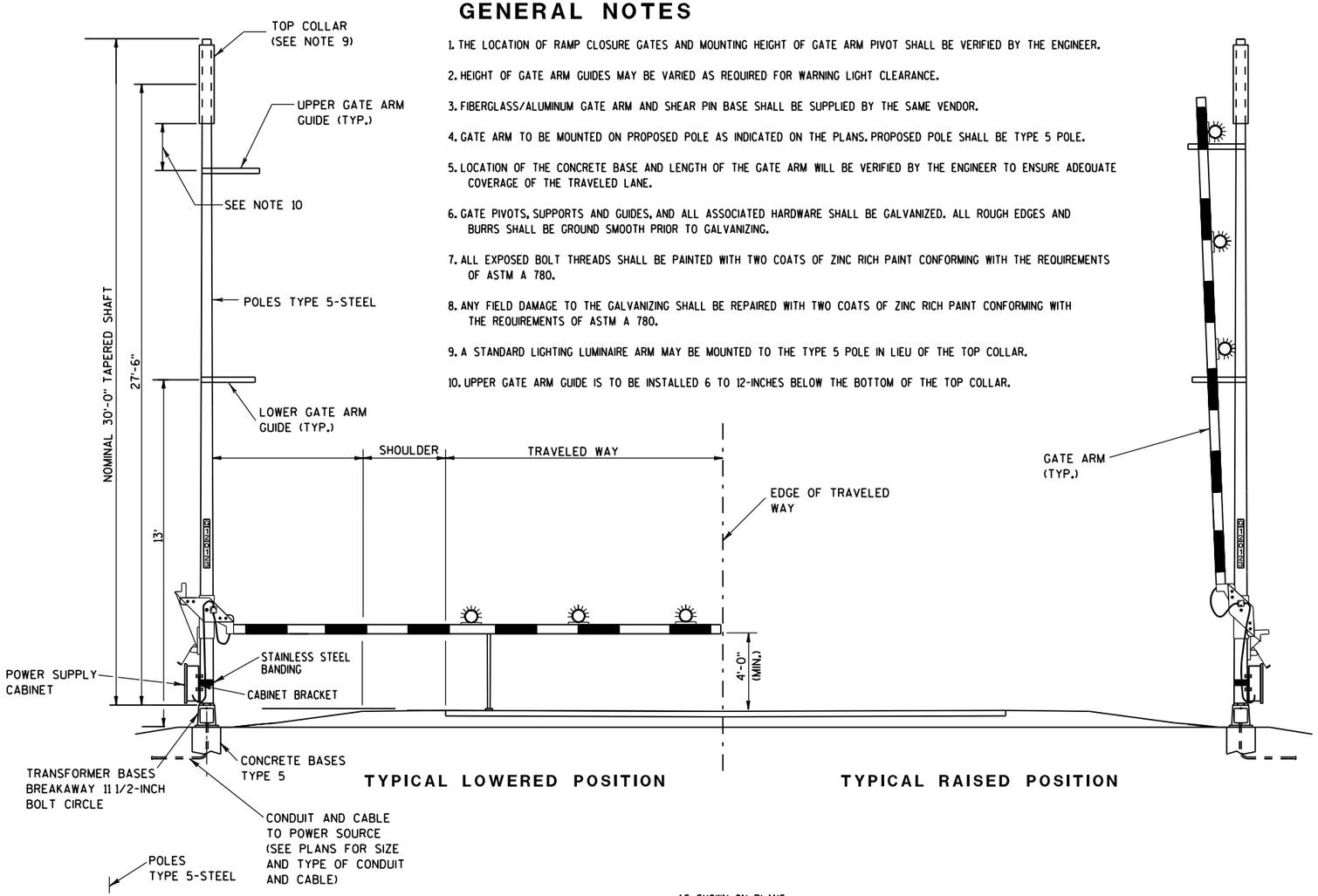
FHWA

6

S.D.D. 15 D 27-2

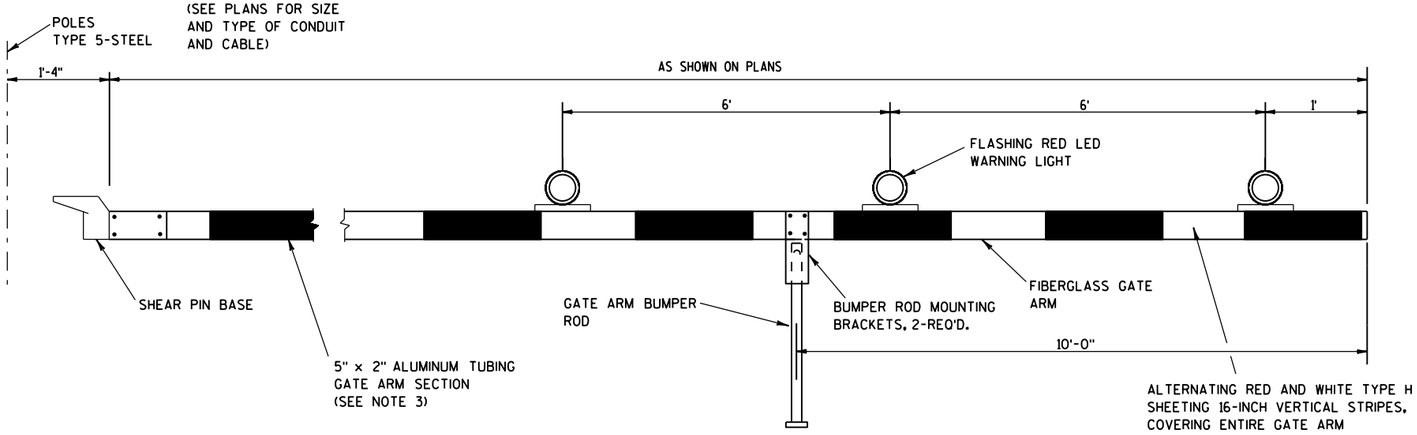
GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.

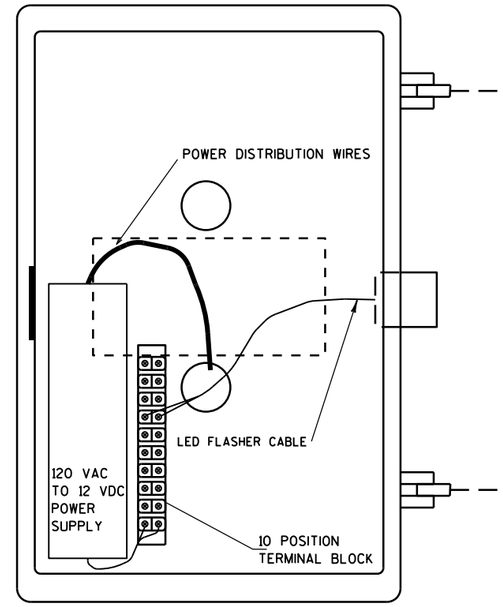


TYPICAL LOWERED POSITION

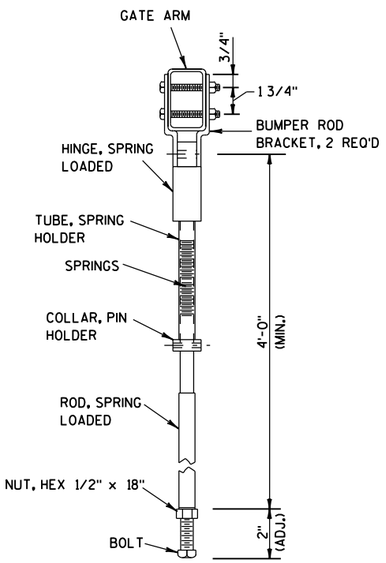
TYPICAL RAISED POSITION



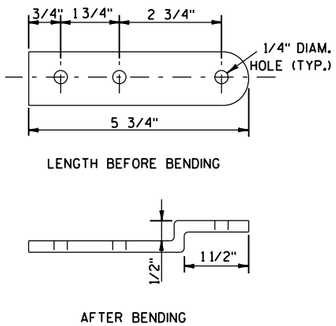
GATE DETAIL
(HARDWIRE POWER OPTION)



POWER SUPPLY CABINET



GATE ARM BUMPER ROD DETAIL

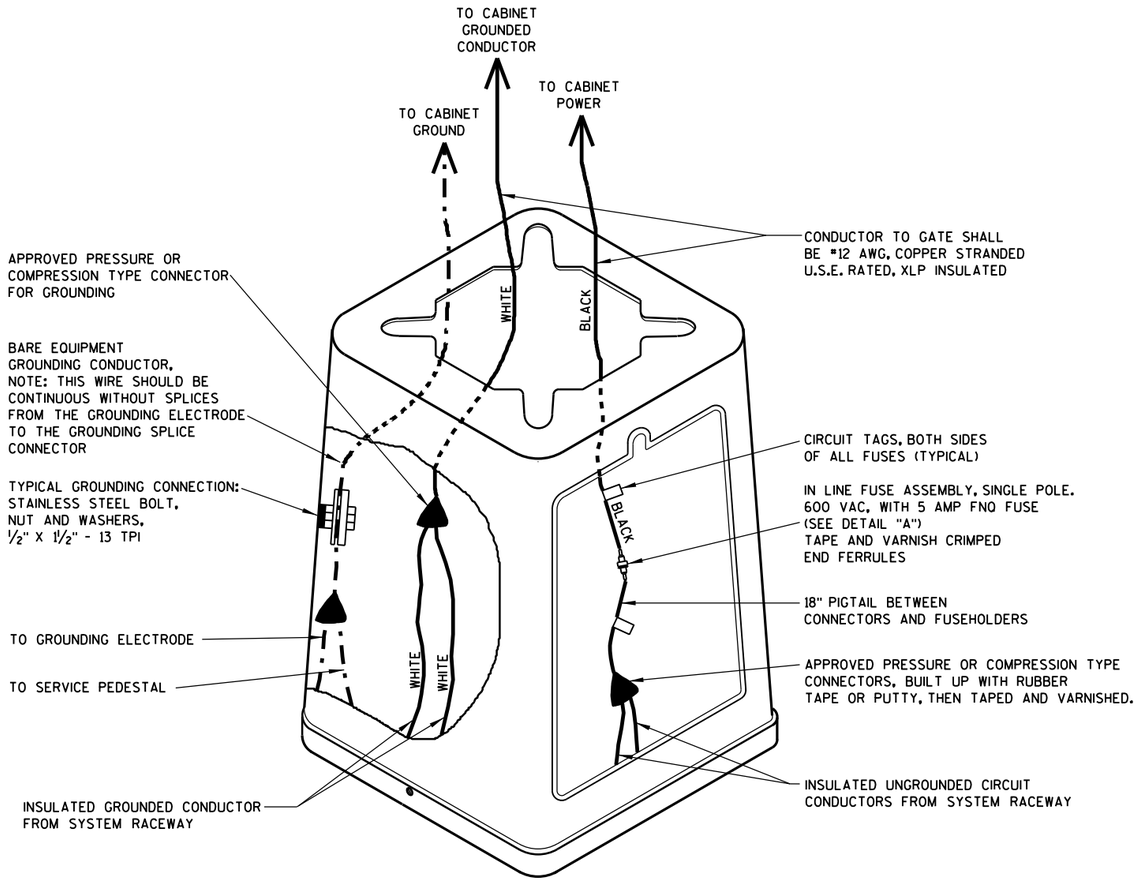


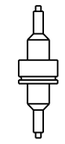
BUMPER ROD MOUNTING
BRACKET DETAIL

RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 15 D 35-2a





DETAIL "A"
SINGLE POLE

6

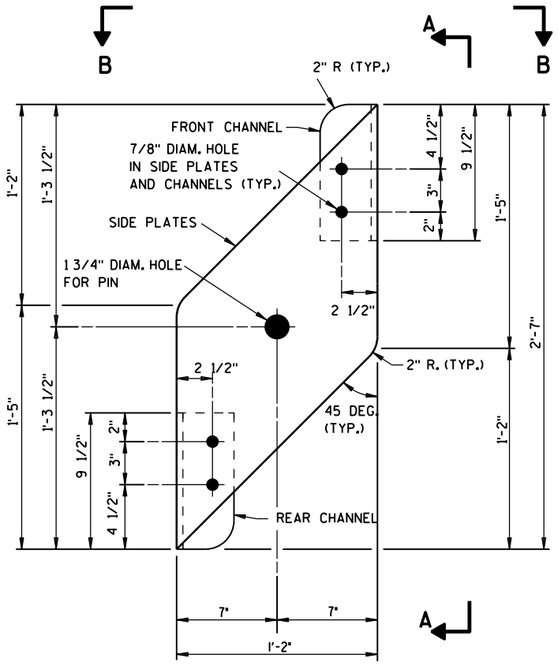
6

S.D.D. 15 D 35-2b

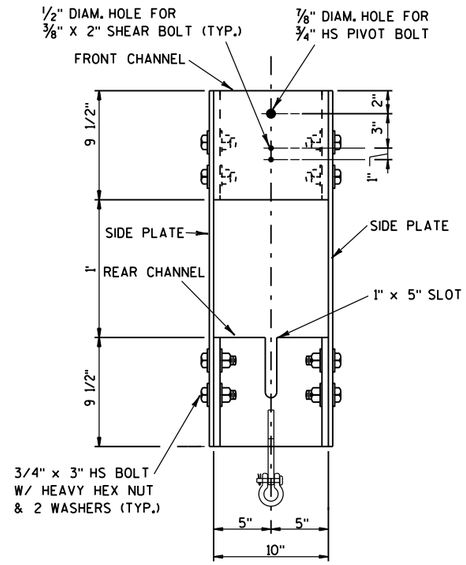
S.D.D. 15 D 35-2b

RAMP GATE
HARD WIRED

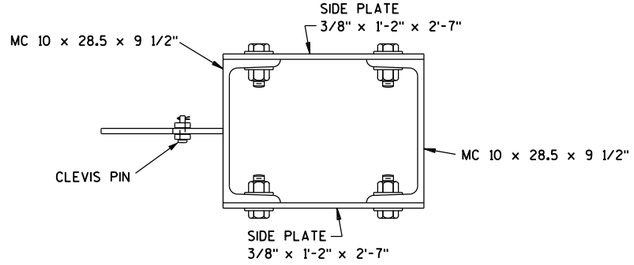
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR



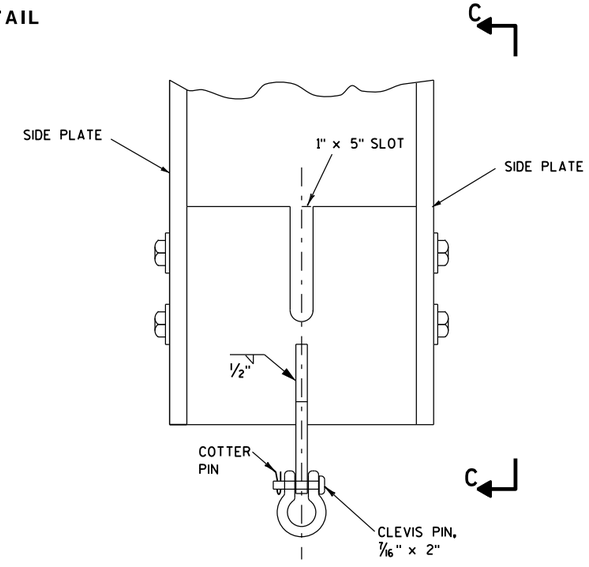
SIDE PLATE DETAIL



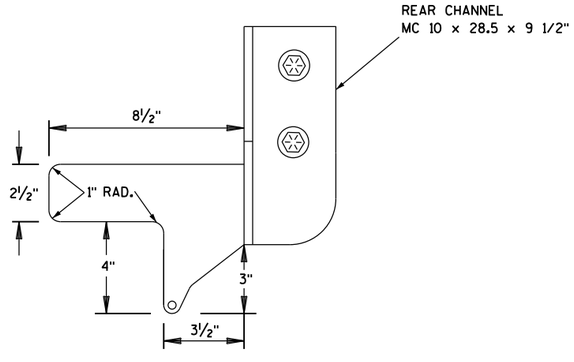
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 752

6

S.D.D. 15 D 35-2c

6

S.D.D. 15 D 35-2c

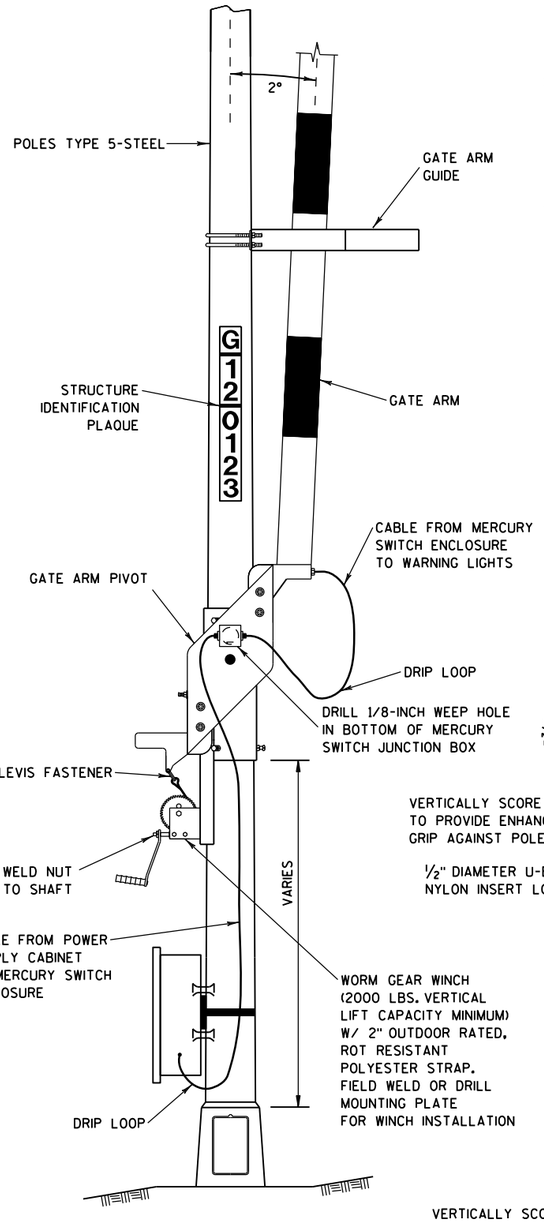
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

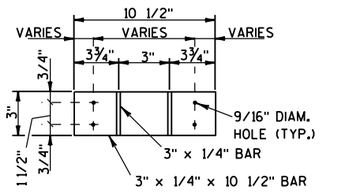
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

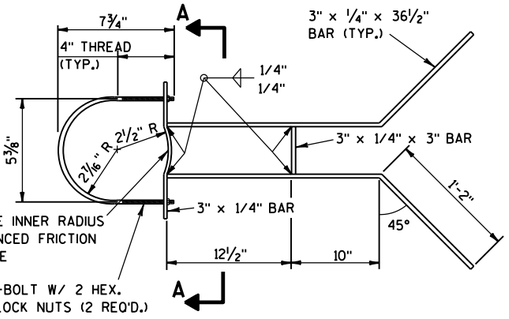
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



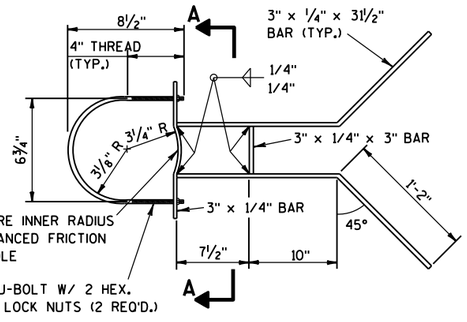
GATE PIVOT ASSEMBLY



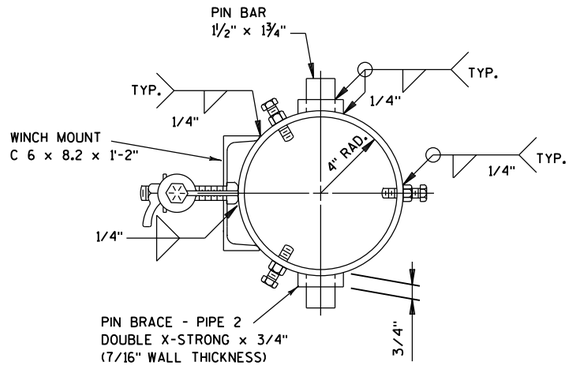
SECTION A-A
U-BOLTS NOT SHOWN



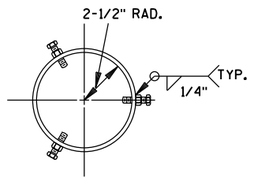
UPPER GATE ARM GUIDE DETAIL



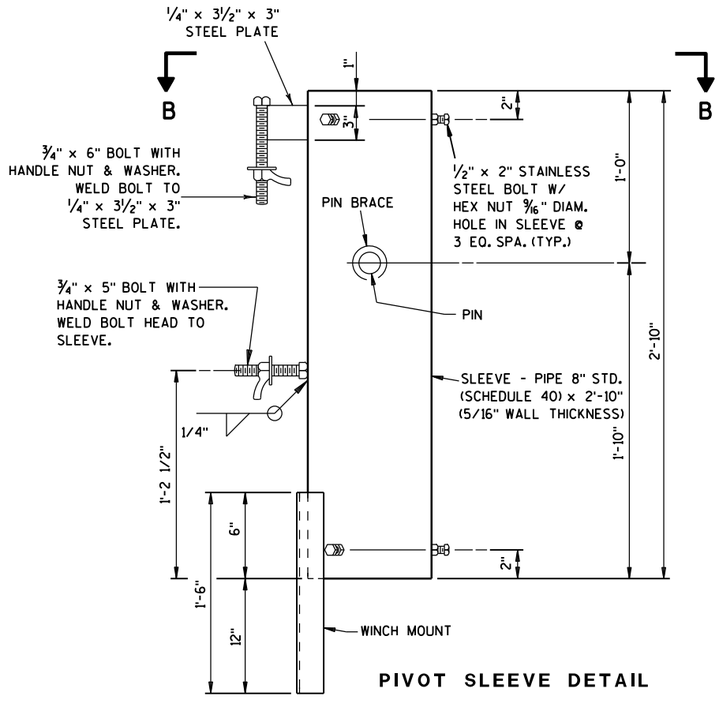
LOWER GATE ARM GUIDE DETAIL



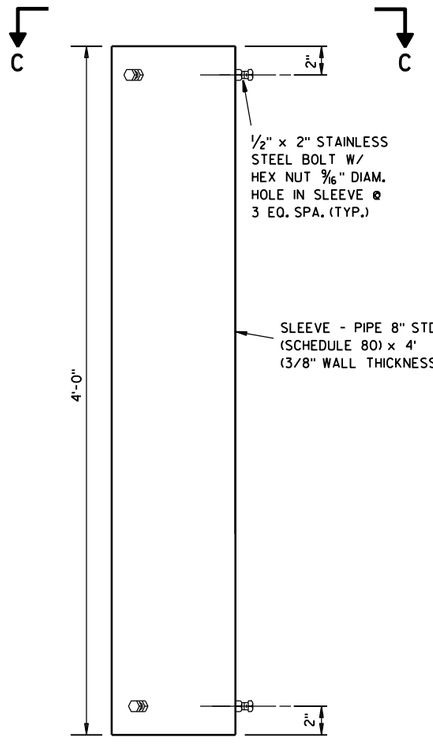
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



TOP COLLAR

RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

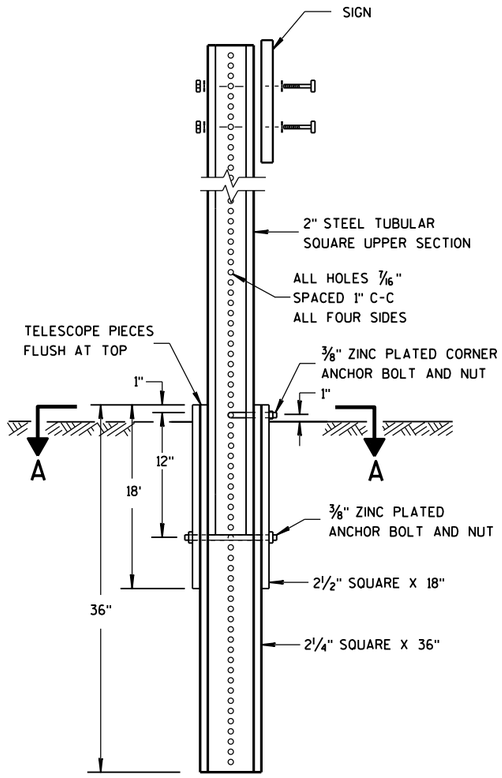
APPROVED
11/2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
753
R
FHWA

6

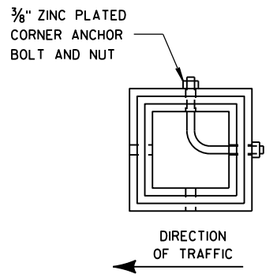
S.D.D. 15 D 35-2d

6

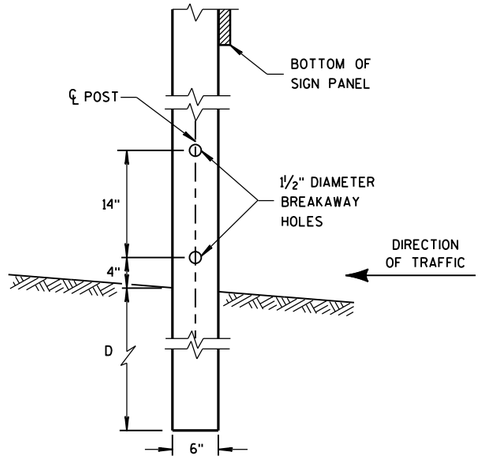
S.D.D. 15 D 35-2d



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



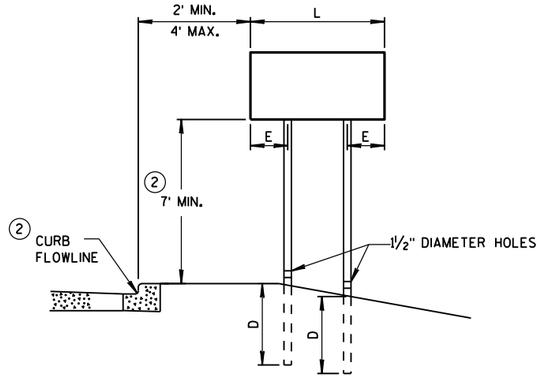
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

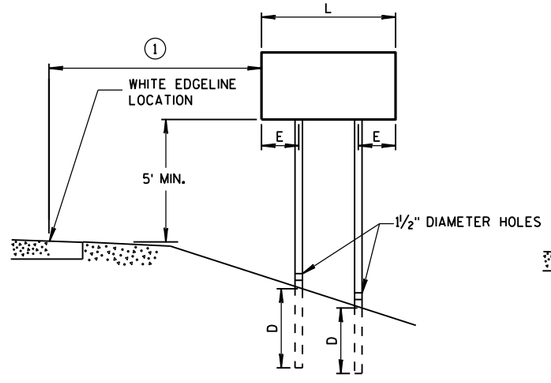
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

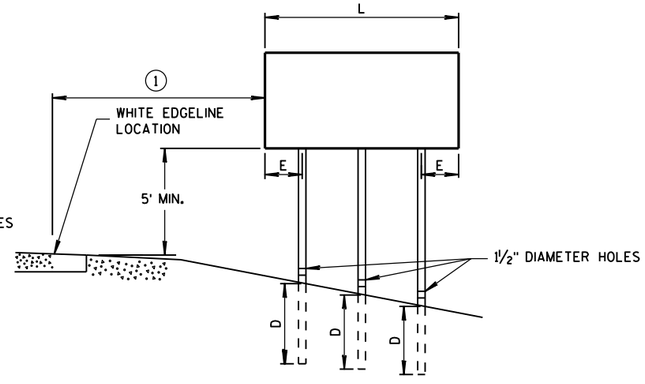
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

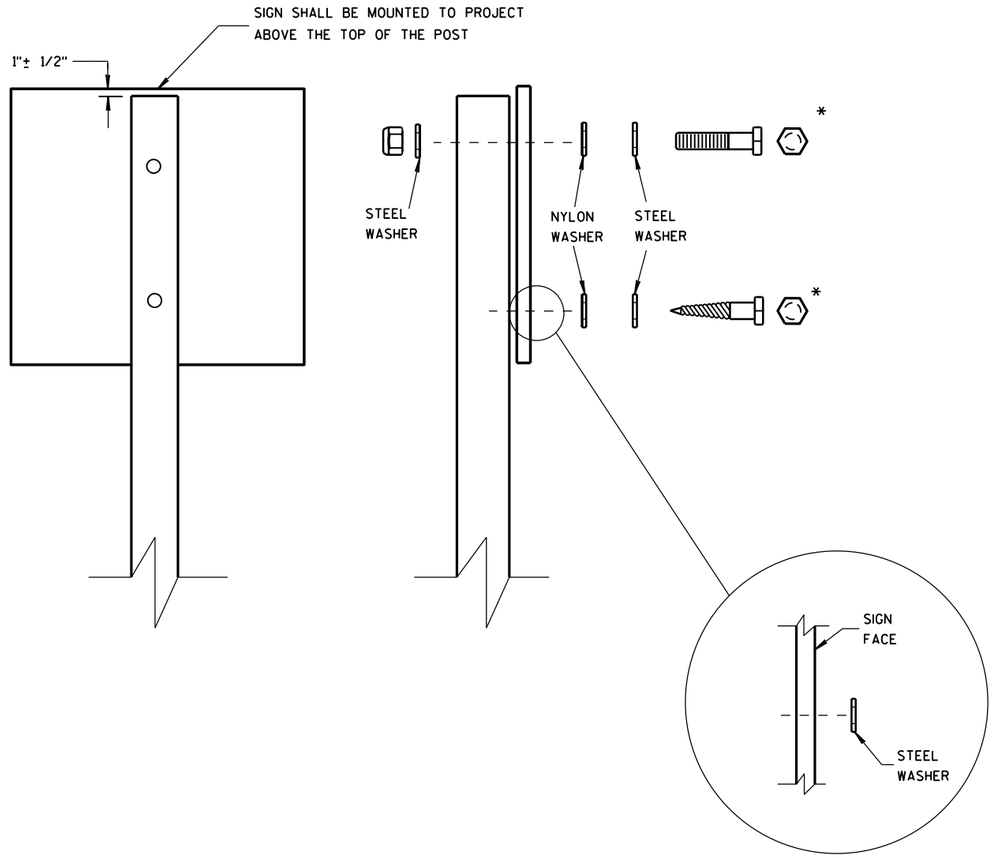
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-1a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

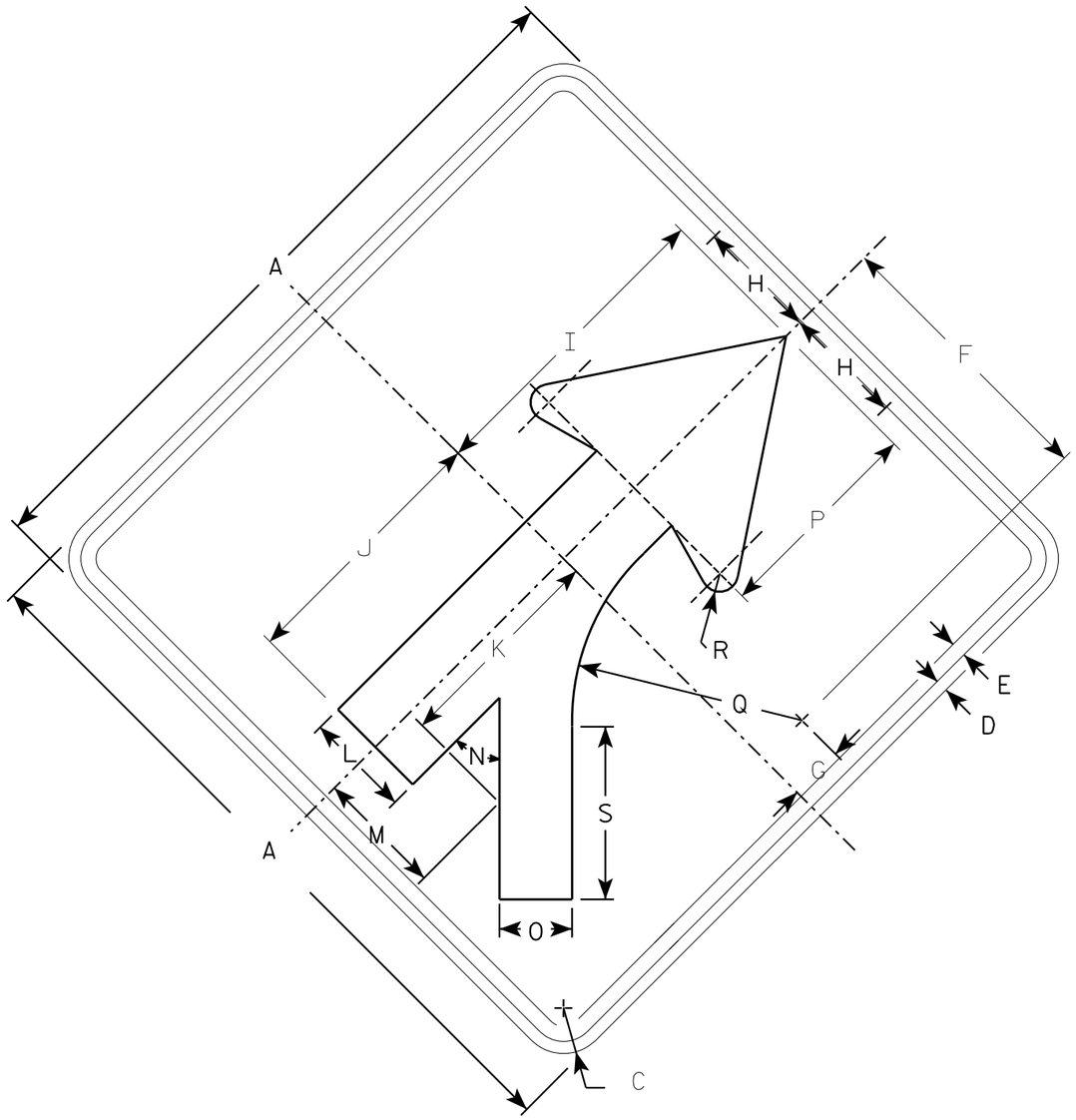
Feb. 2015
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

755

SIGN

FHWA



W04-5

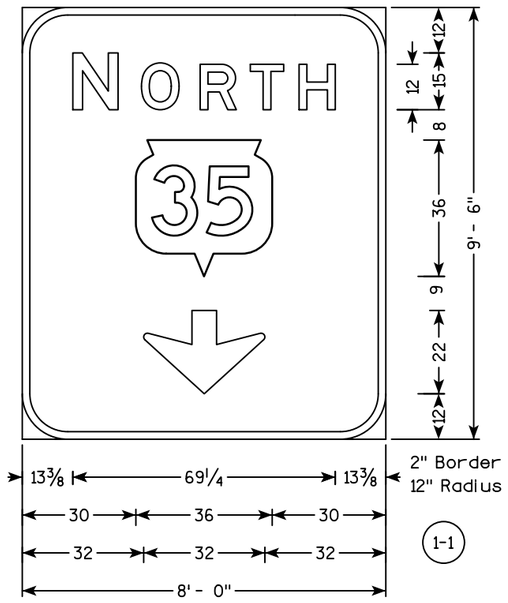
NOTES

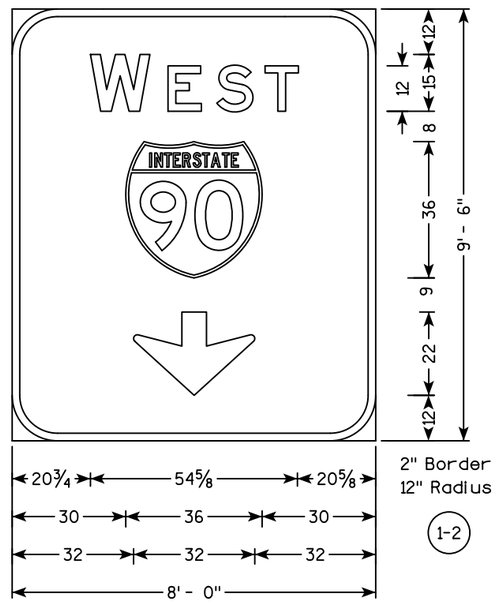
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

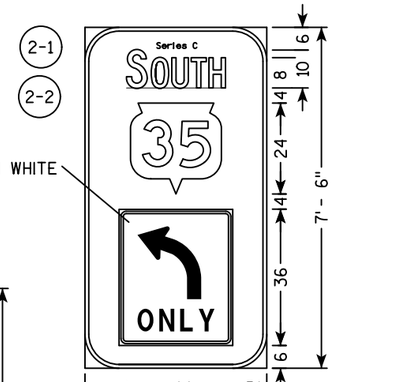
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

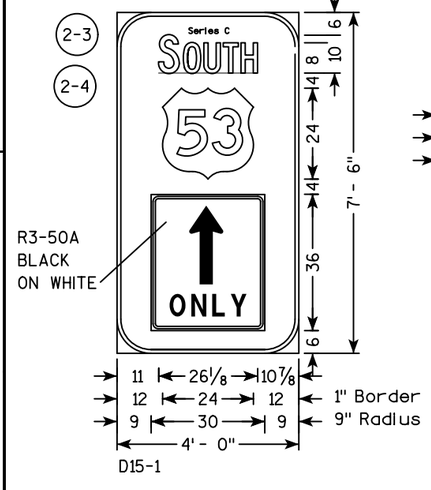
NOTES

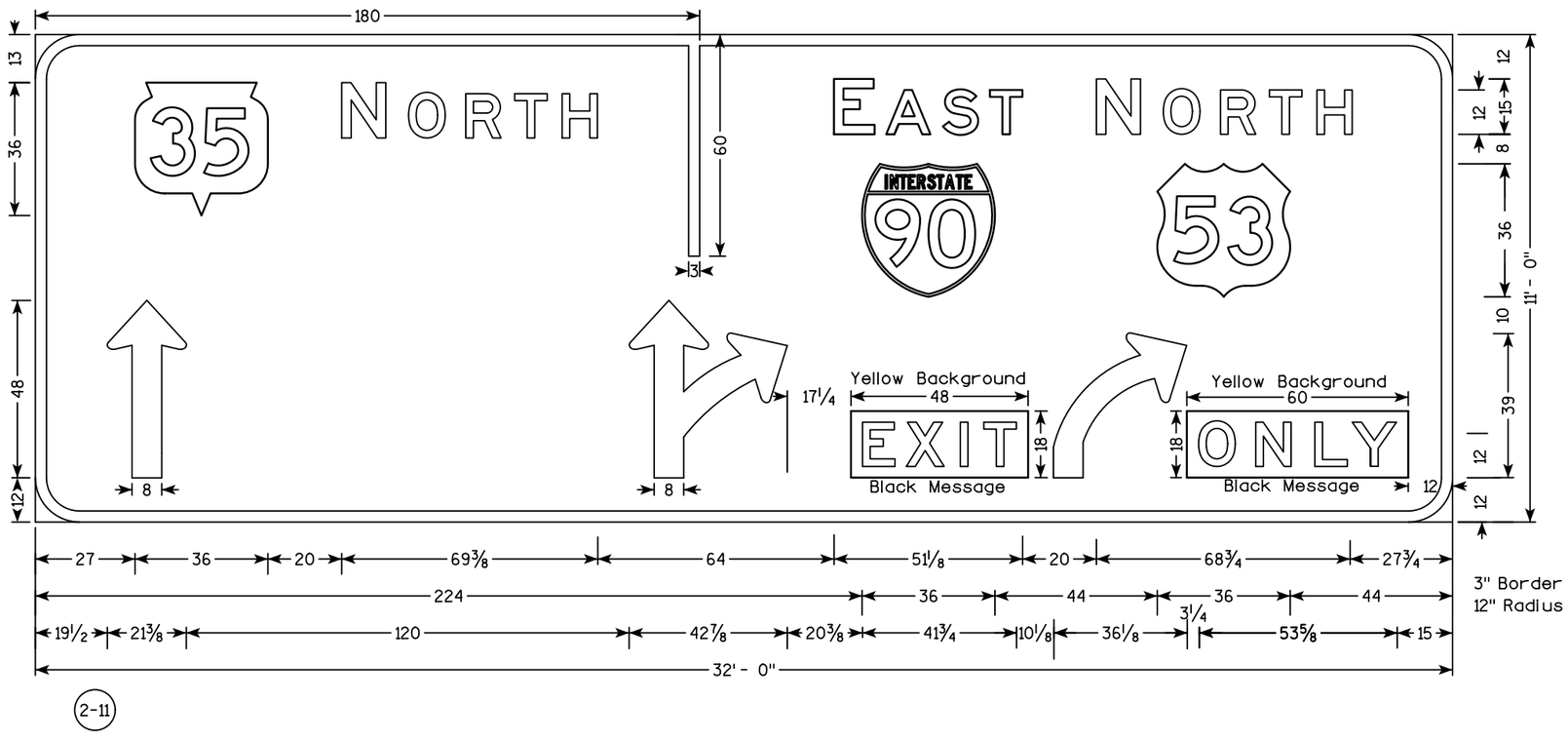
1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as Shown
   Message - White
3. Message Series - E Modified except all CAP Words are Series E



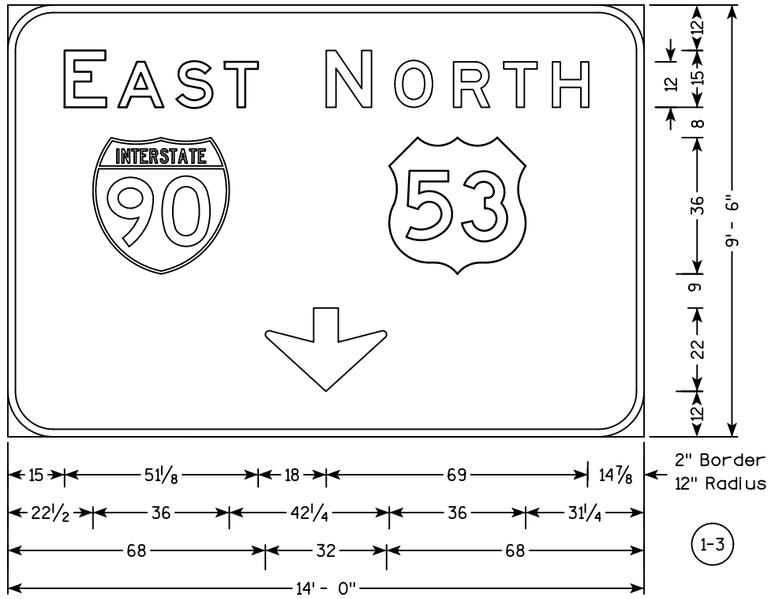






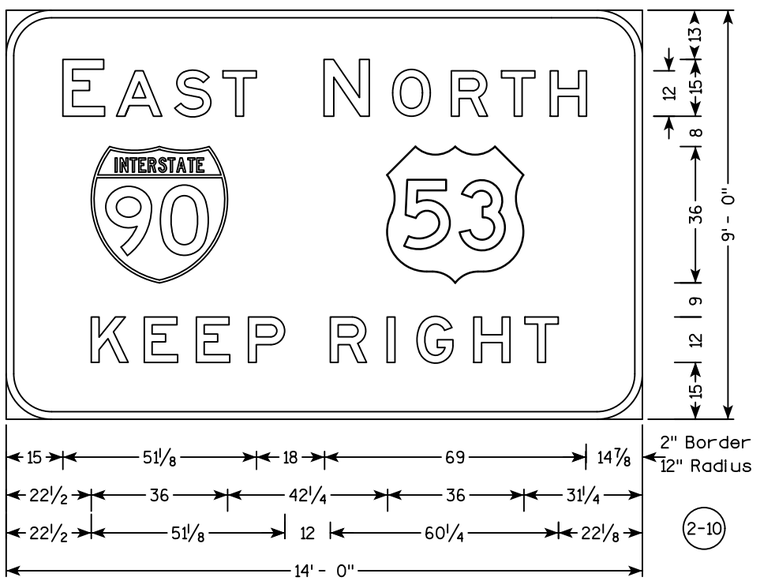


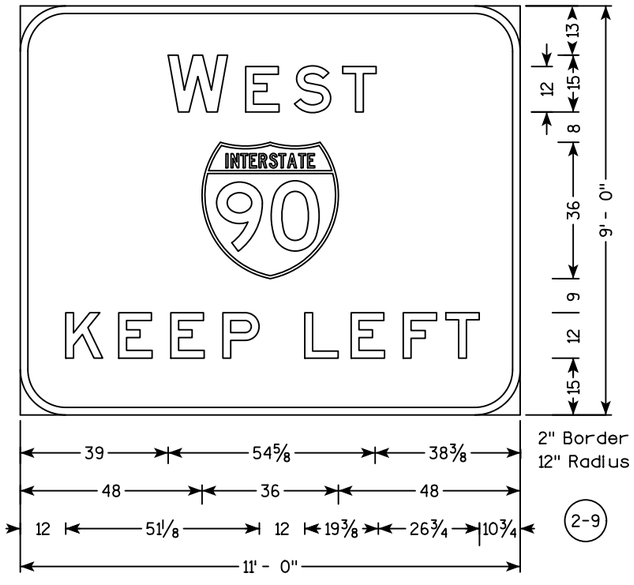
PROJECT NO: 1071-06-82/83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 757	E



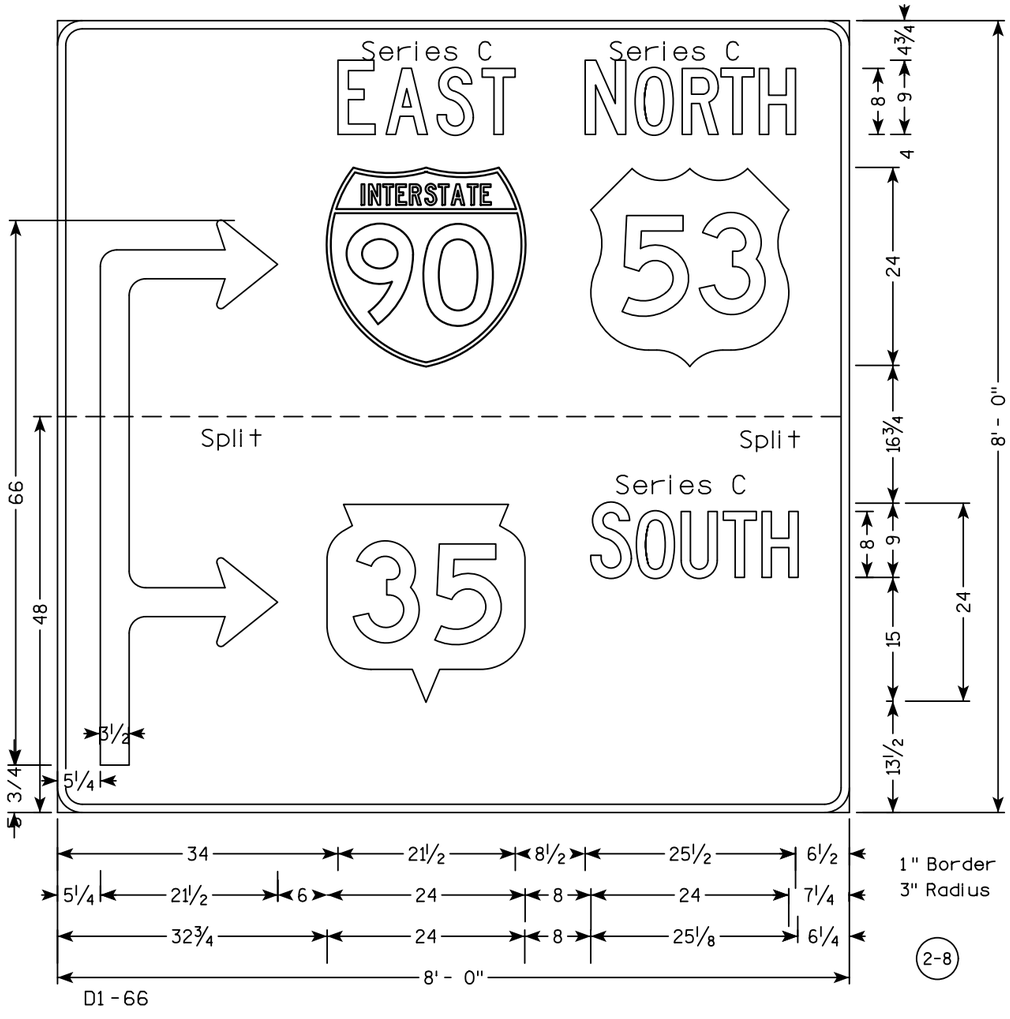
NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as Shown
   Message - White
3. Message Series - E Modified except all CAP Words are Series E





PROJECT NO: 1071-06-82/83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 758	E



NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as Shown

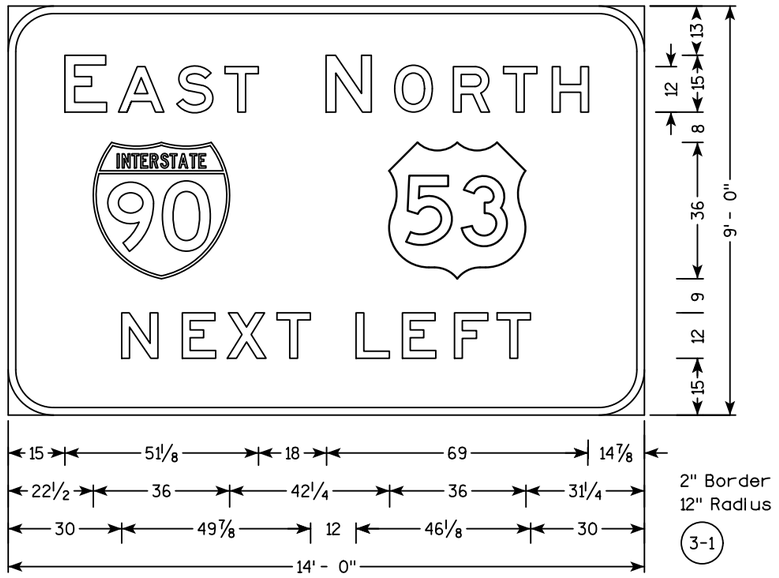
7

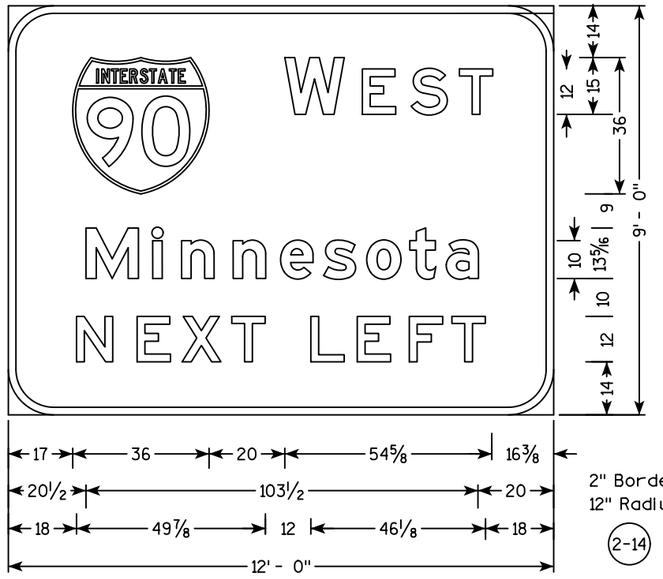
7

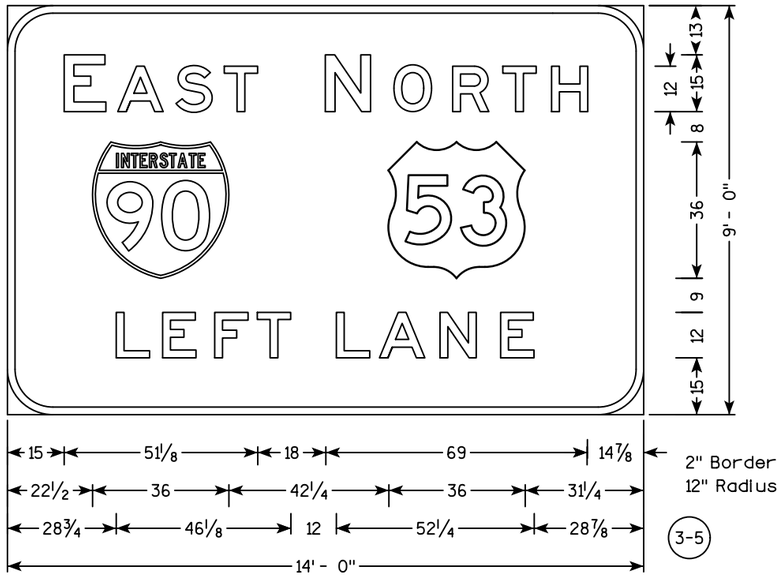
PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 759	E

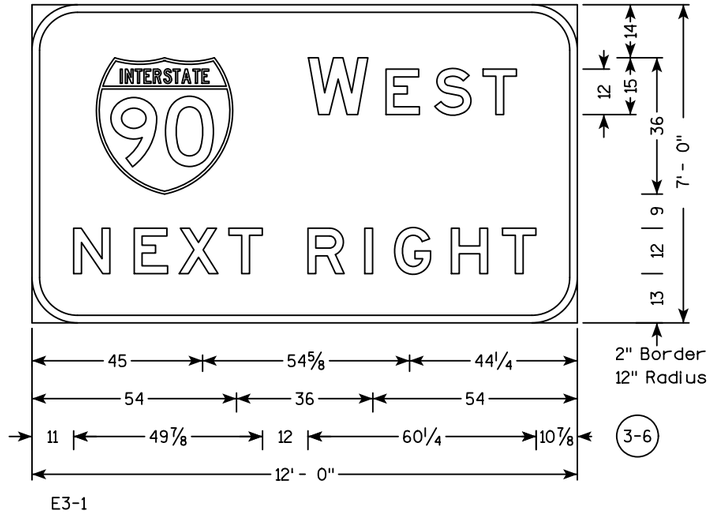
NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as Shown
   Message - White
3. Message Series - E Modified except all CAP Words are Series E







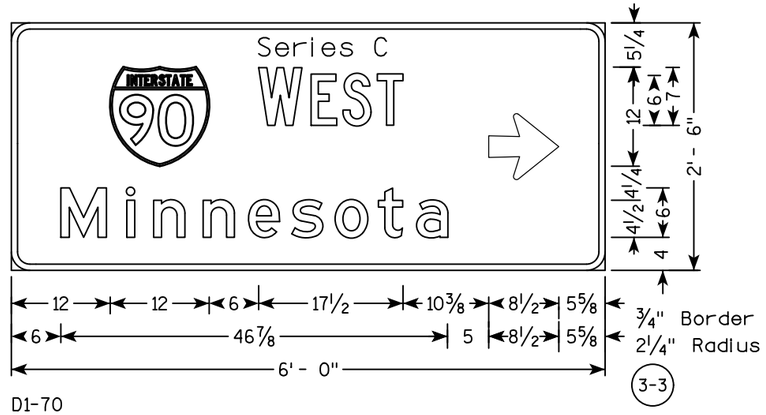


E3-1

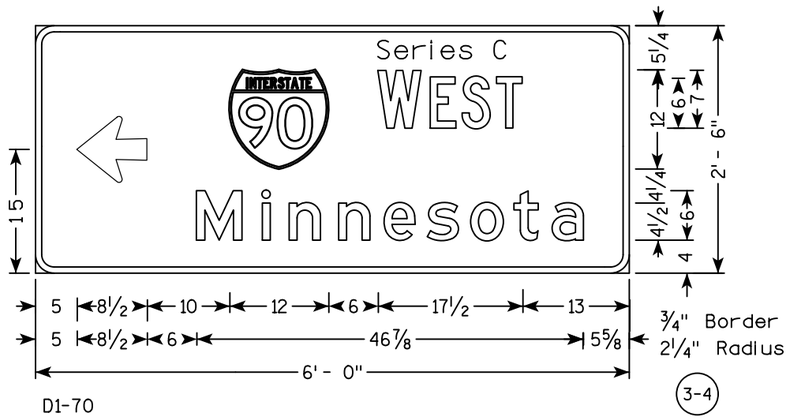
7

7

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 760	E



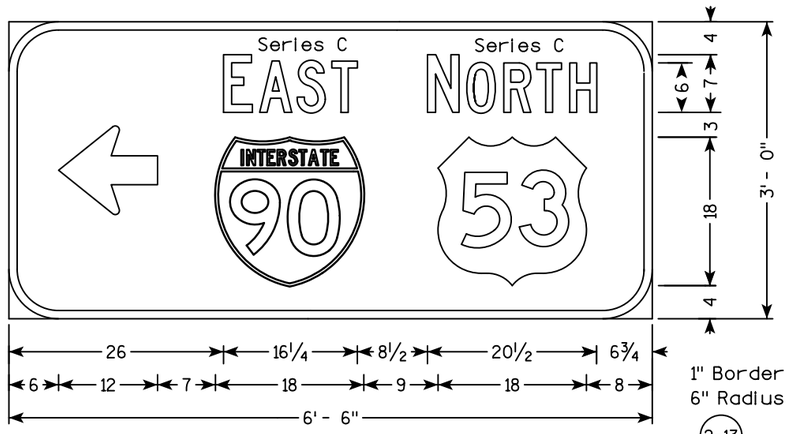
D1-70



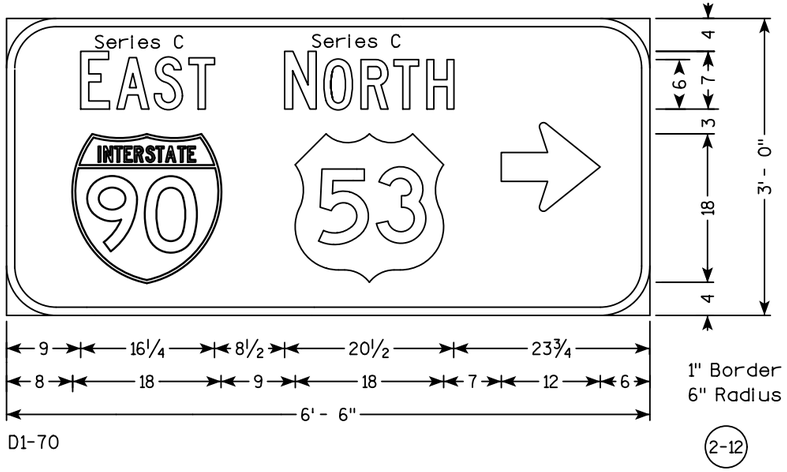
D1-70

NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as Shown



D1-70



D1-70

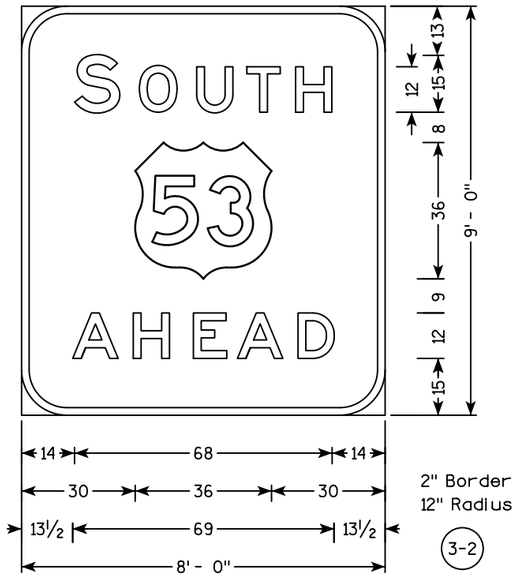
7

7

PROJECT NO:1071-06-83	HWY:IH 90	COUNTY:LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 761	E

NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E



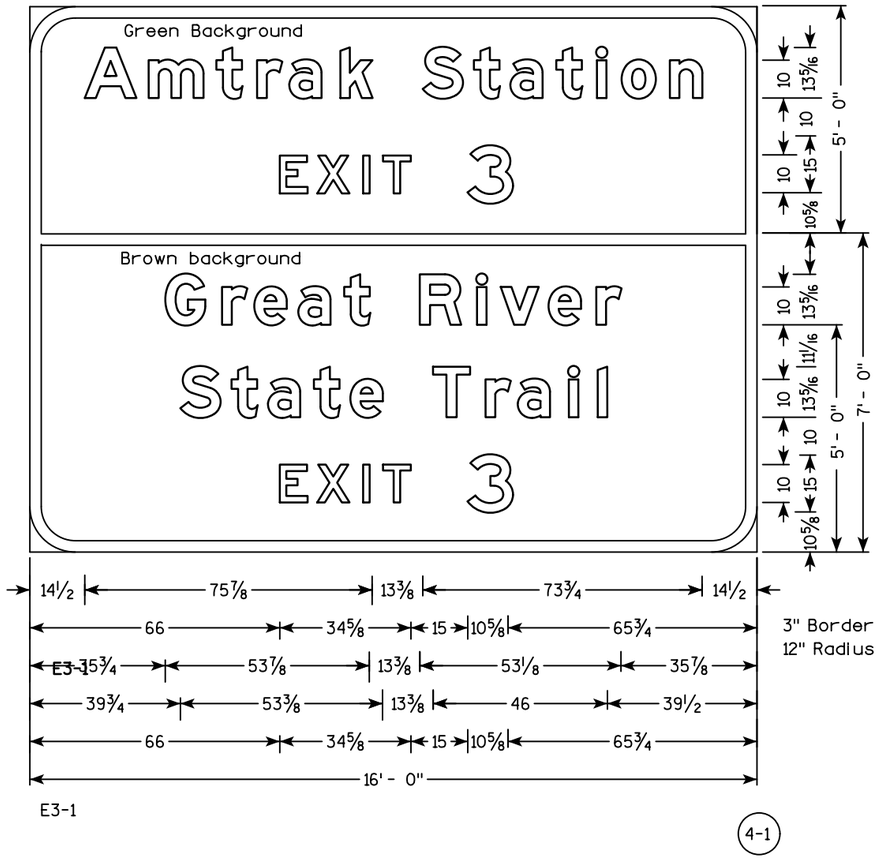
7

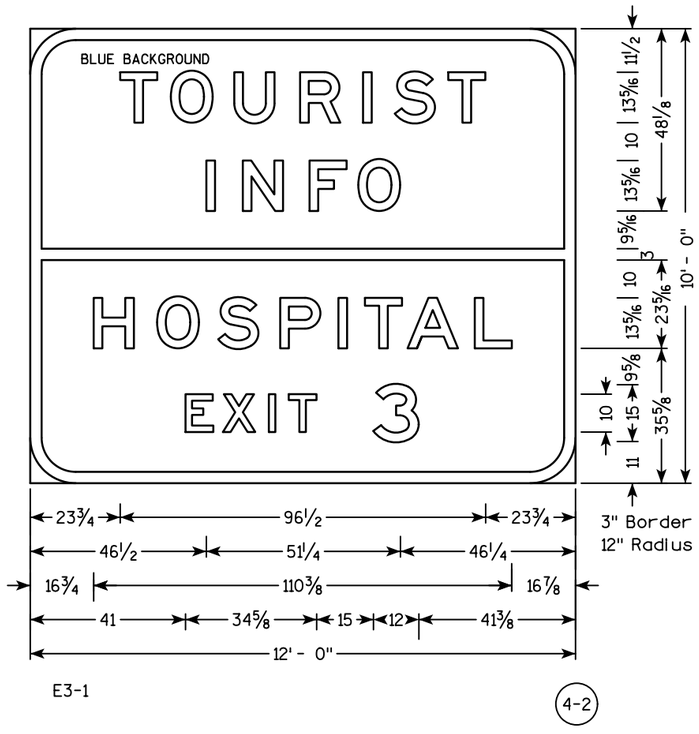
7

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 762	E

NOTES

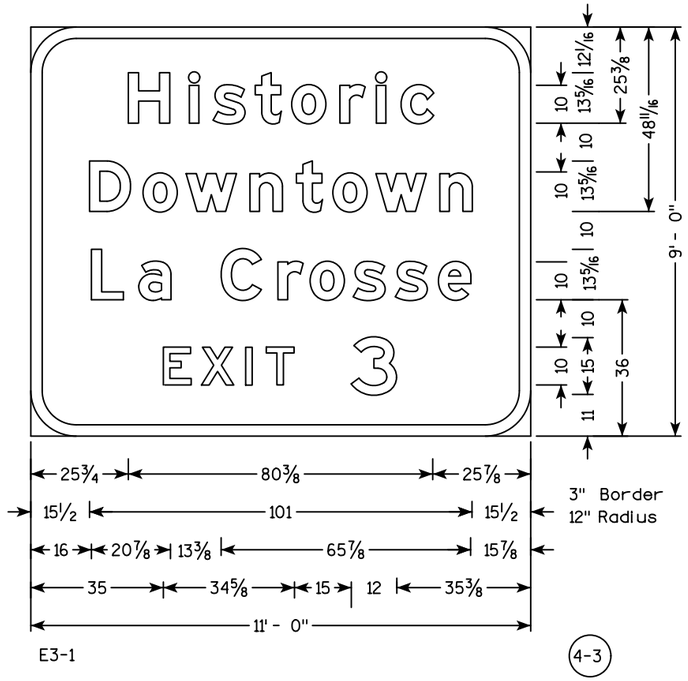
1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as Shown
   Message - White
3. Message Series - E Modified except all CAP Words are Series E





7

7



E3-1

4-3

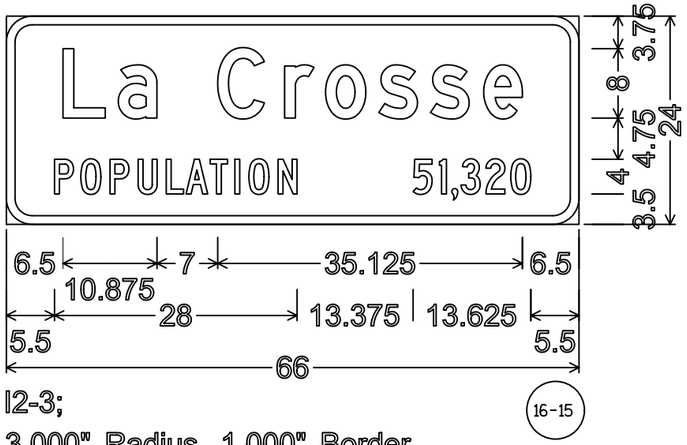
NOTES

1. All Signs are Type I- Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as Shown
   Message - White
3. Message Series - E Modified except all CAP Words are Series E

7

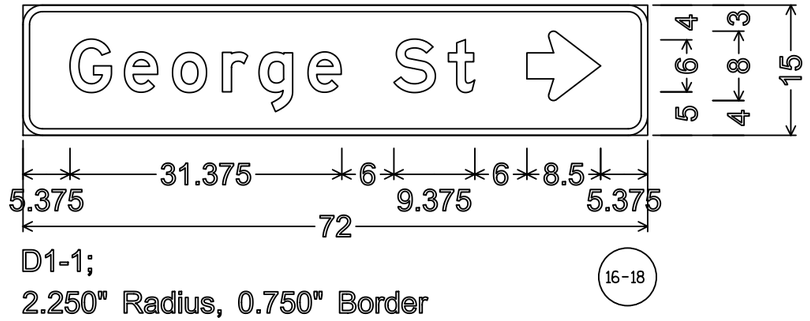
7

PROJECT NO:1071-06-83	HWY:IH 90	COUNTY:LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 764	E



I2-3;
3.000" Radius, 1.000" Border,
"La" D; "Crosse" D; "POPULATION" C; "51,320" C;

16-15

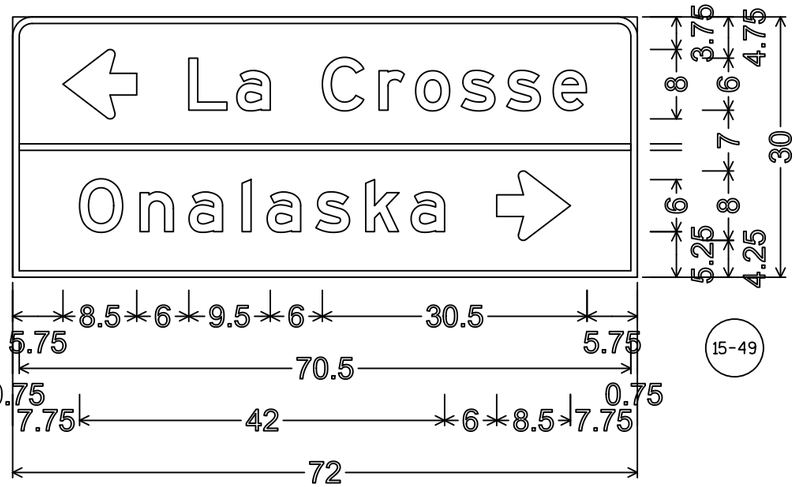


D1-1;
2.250" Radius, 0.750" Border

16-18

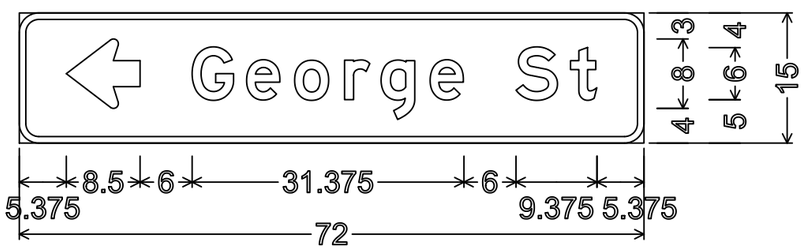
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



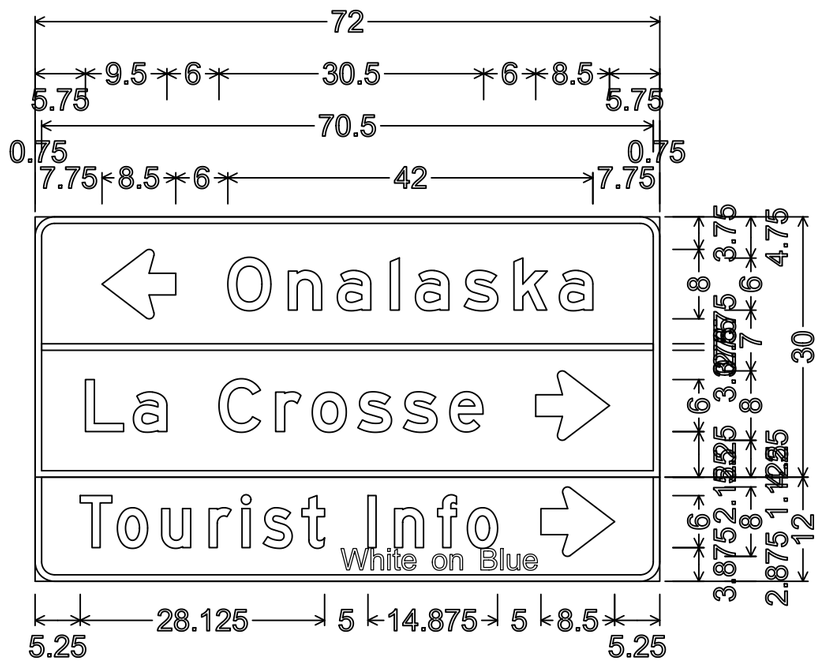
D1-2;
2.250" Radius, 0.750" Border

15-49



D1-1;
2.250" Radius, 0.750" Border,

15-40



D1-3;
2.250" Radius, 0.750" Border,
"Tourist" D; "Info" D;

17-47

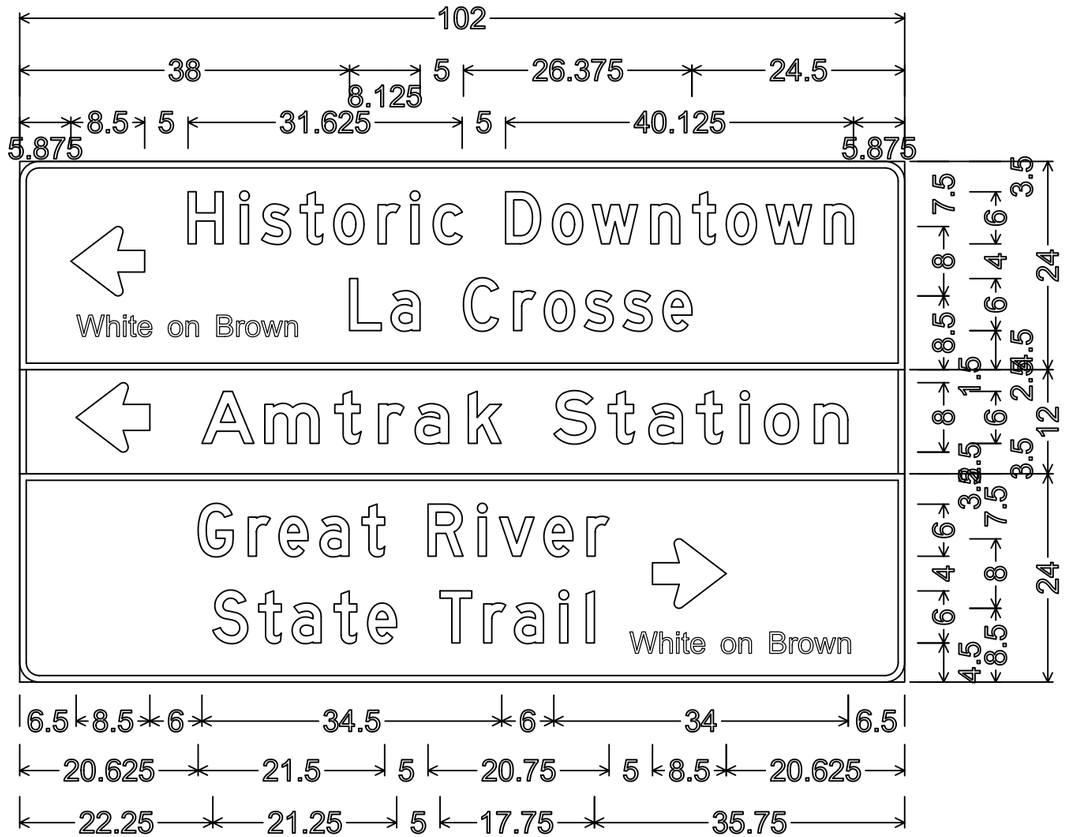
PROJECT NO:1071-06-83	HWY:IH 90	COUNTY:LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 765	E

FILE NAME : ch_0682_070111_sd.DGN PLOT DATE : 28-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 47

7

7

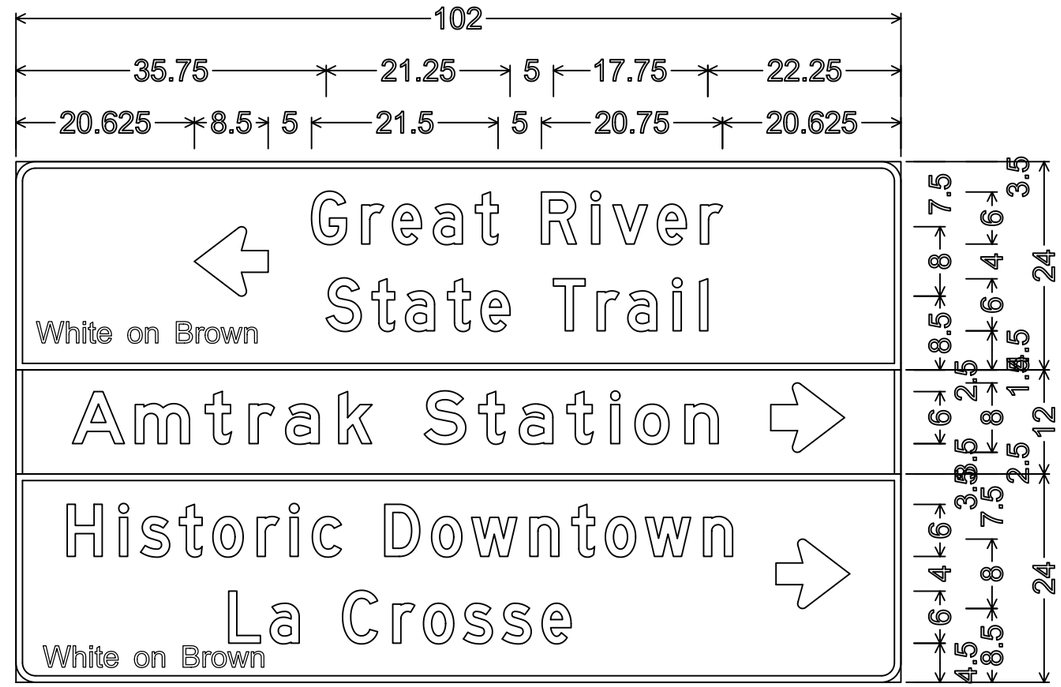


2.250" Radius, 0.750" Border,
"Historic" D; "Downtown" D; "La" D; "Crosse" D;
"Great" D; "River" D; "State" D; "Trail" D

15-48

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



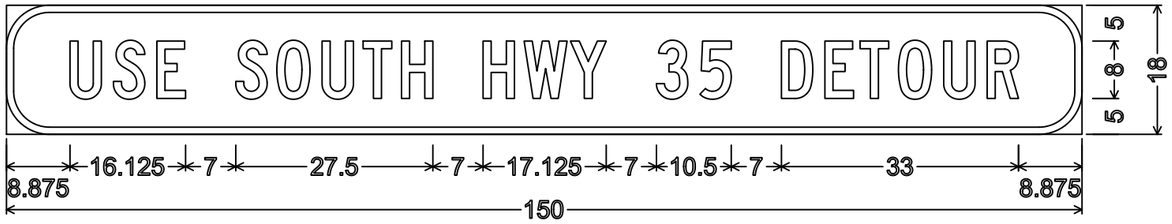
2.250" Radius, 0.750" Border,
"Great" D; "River" D; "State" D; "Trail" D;
"Historic" D; "Downtown" D; "La" D; "Crosse" D

17-46

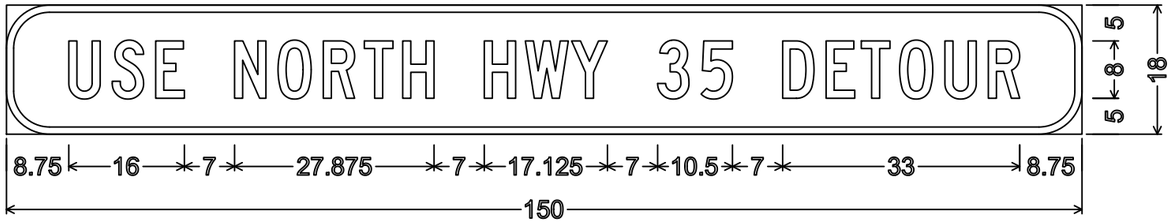
7

7

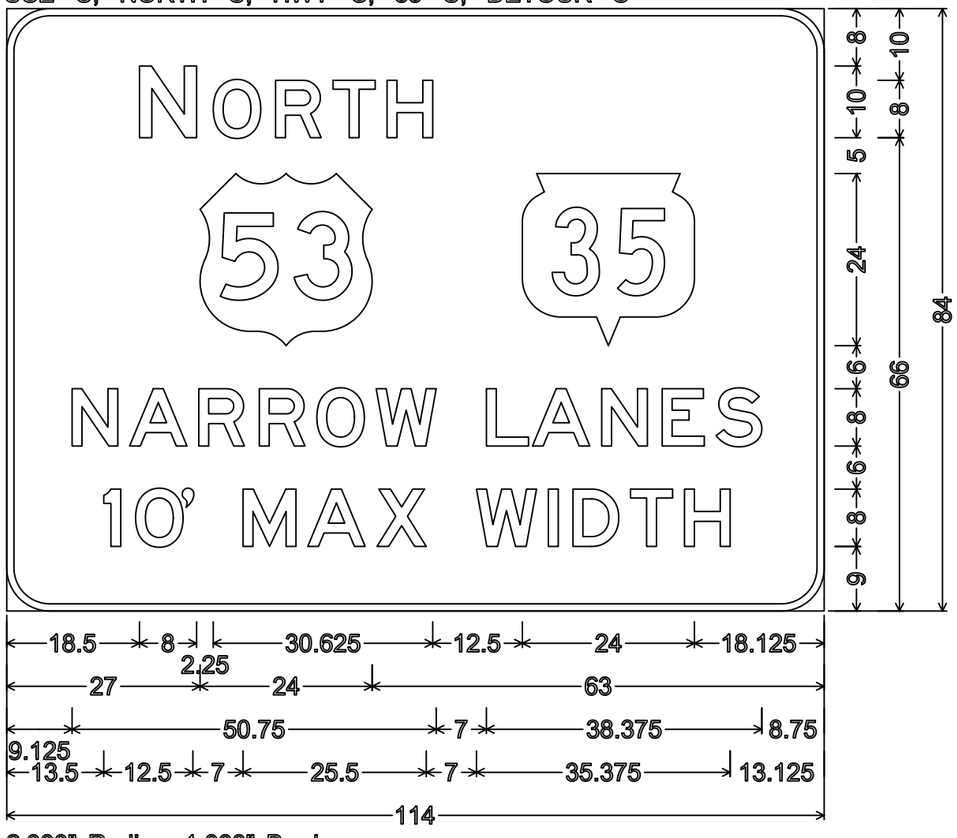
PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 766	E



6.000" Radius, 1.000" Border,
"USE" C; "SOUTH" C; "HWY" C; "35" C; "DETOUR" C;

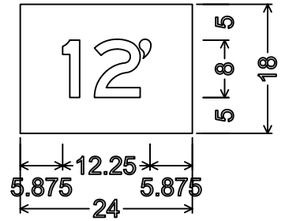


6.000" Radius, 1.000" Border,
"USE" C; "NORTH" C; "HWY" C; "35" C; "DETOUR" C



6.000" Radius, 1.000" Border,

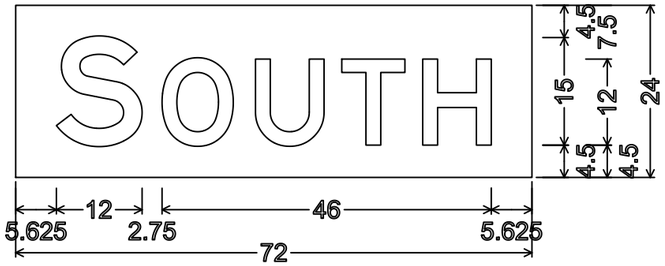
.40" aluminum base



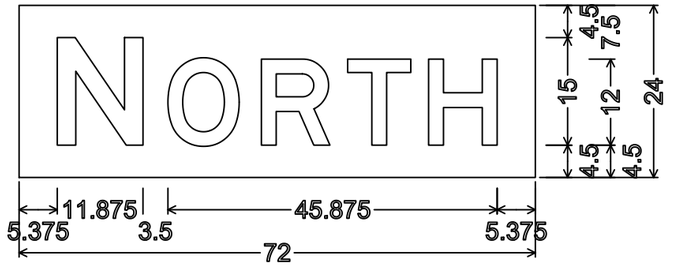
NOTES

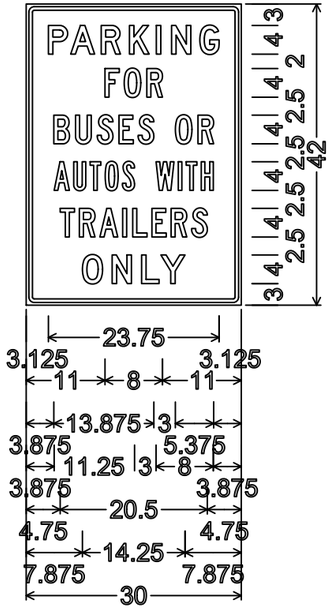
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange except as noted
   Message - White
3. Message Series - E except as noted

.40" aluminum base

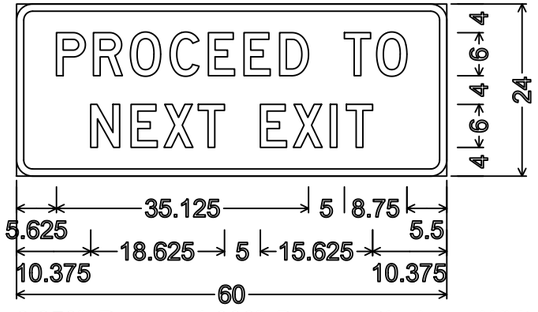


.40" aluminum base





1.125" Radius, 0.500" Border, 0.375" Indent, Black on White;
"PARKING" D; "FOR" C; "BUSES" C; "OR" C;
"AUTOS" B; "WITH" B; "TRAILERS" C; "ONLY" D;



2.250" Radius, 1.000" Border, Black on White;
"PROCEED" D; "TO" D; "NEXT" D; "EXIT" D

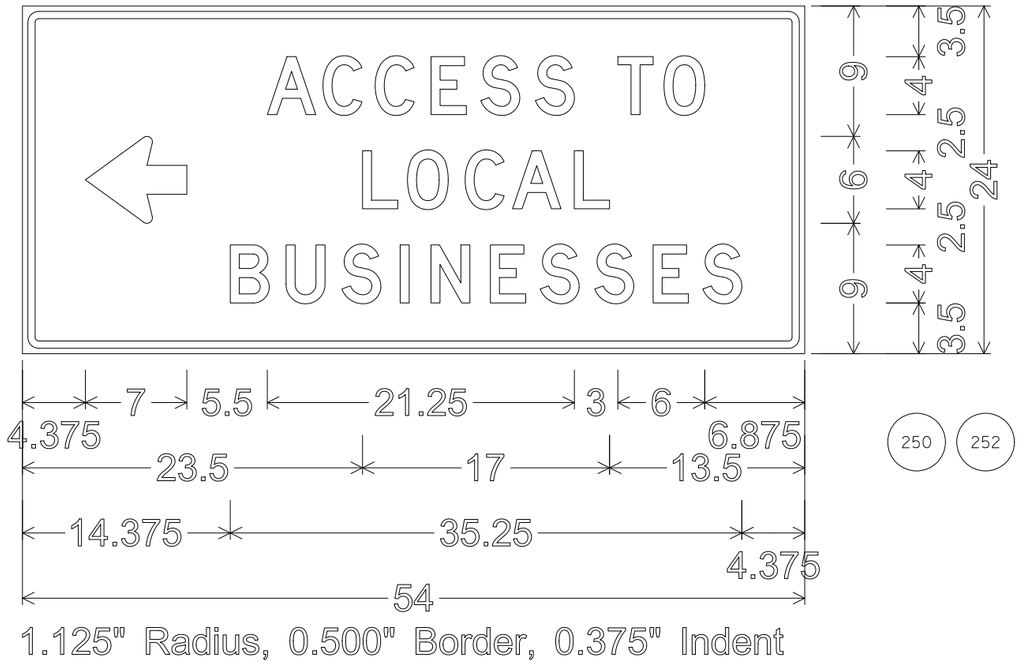
7

7

PROJECT NO: 1071-06-83	HWY: IH 90	COUNTY: LA CROSSE	SIGNING DETAIL - TYPE I SIGNS	SHEET 767	E

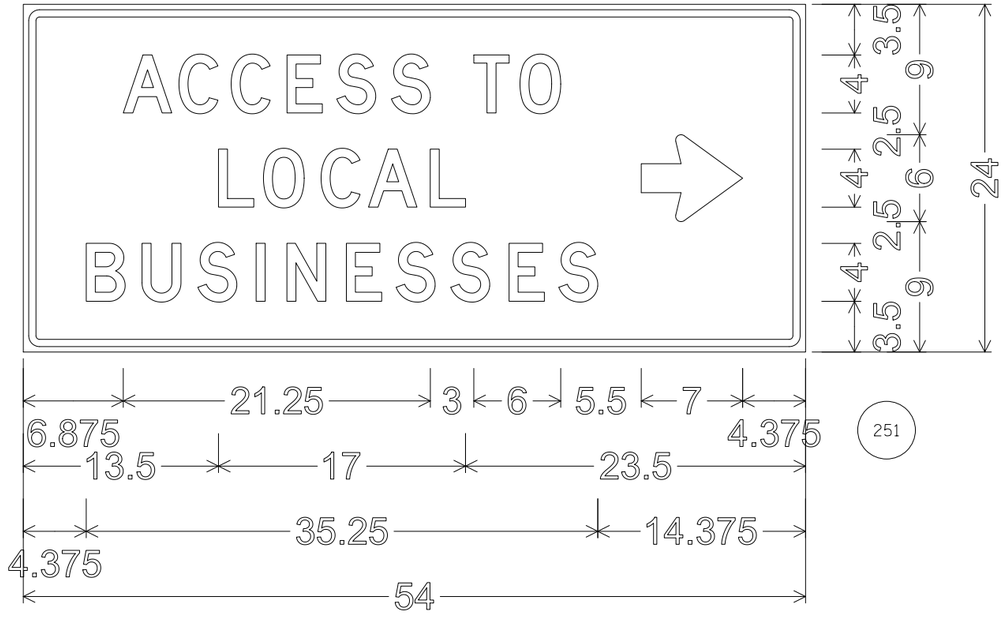
NOTES

1. Signs are TXPO I-I Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



250 252

1.125" Radius, 0.500" Border, 0.375" Indent



251

1.125" Radius, 0.500" Border, 0.375" Indent

7

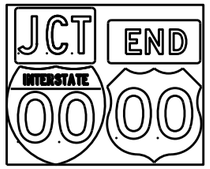
7

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	TEMPORARY SIGNING	SHEET NO: 768	E

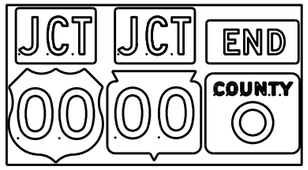
TYPICAL ASSEMBLIES



J1-1



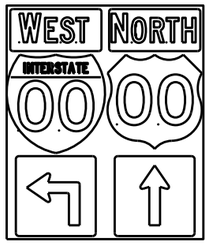
J1-2



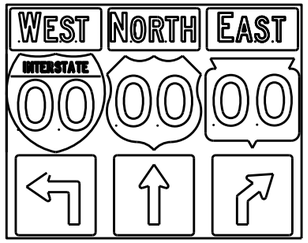
J1-3



J2-1



J2-2

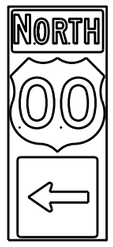


J2-3

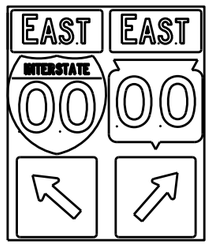


JV

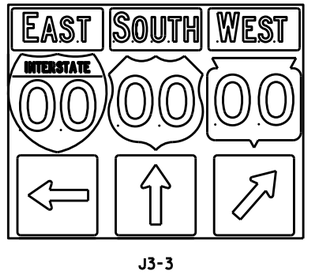
(Typical Vertical J-Assembly
See Note 10 and 11)



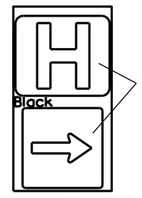
J3-1



J3-2



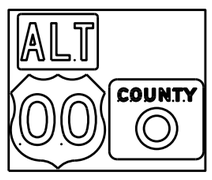
J3-3



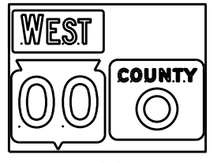
JH-1



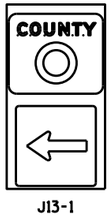
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

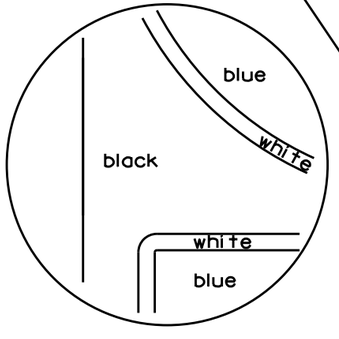


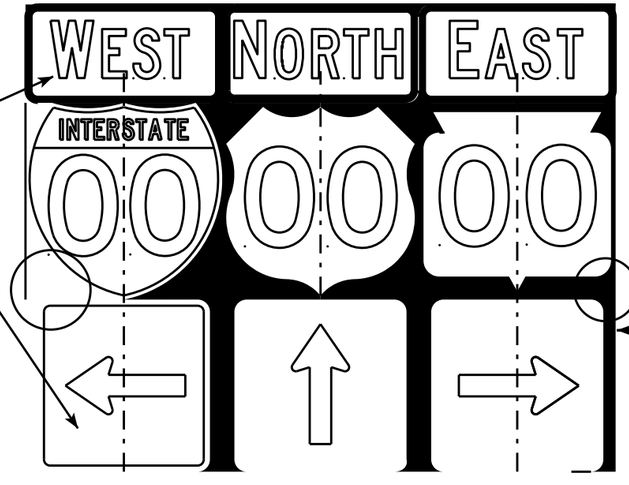
J23-1

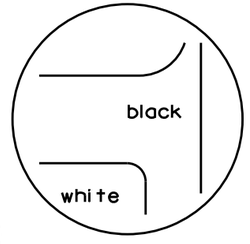


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

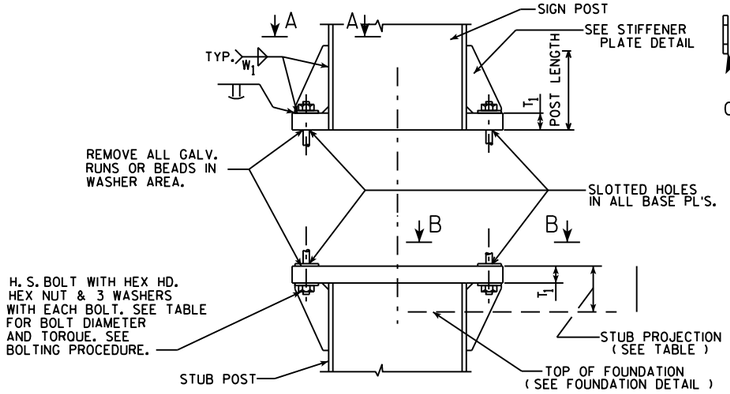
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

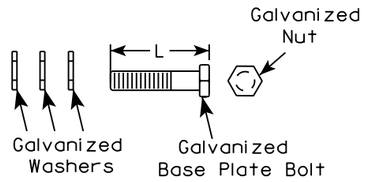
DATE 2/06/14 PL... A2-1S.8

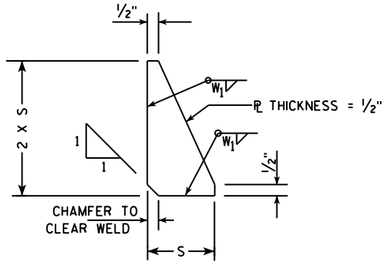
PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42



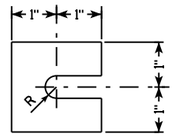
SIGN POST AND STUB POST ELEVATION





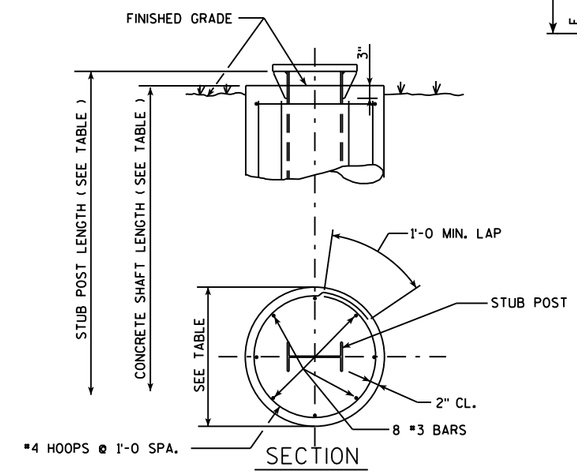
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)

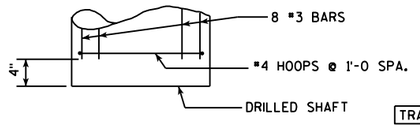


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL



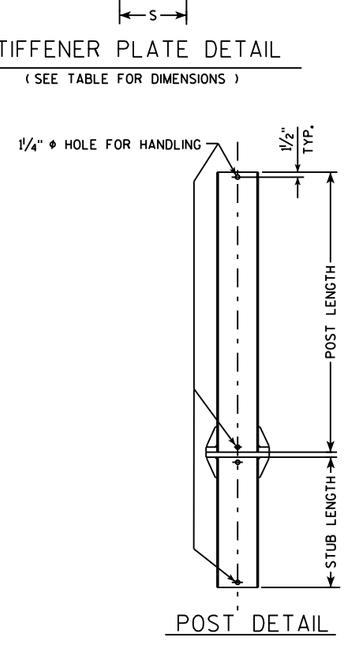
SECTION



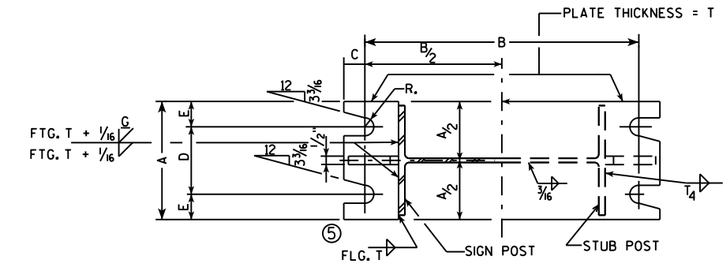
FOUNDATION DETAIL

QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
⑦ E	1.0	62

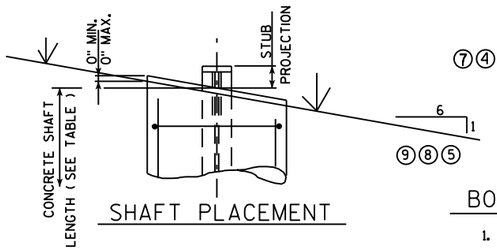
	TYPE	#3	#4
⑦ REINF.	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
	E	8 @ 7'-11	9 @ 6'-3



POST DETAIL



SECTION A-A SECTION B-B



SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & ½ WIND[4]	140

[4]25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

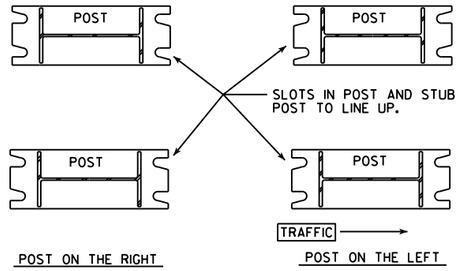
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
⑨ ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.
THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
FURNISH STEEL BOLTS, NUTS, AND WASHERS IN ACCORDANCE WITH SECTION 635 OF THE STANDARD SPECIFICATIONS.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
5. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.



POST SLOT ORIENTATION ⑦

L	X	TYPE	POST SIZE \ DIMENSION	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	K
3 ¾	④	A	W10"X12.0 #/FT.	¾" ϕ @ 75#-FT.	5¼"	1'-0⅜"	⅞"	3½"	⅞"	1"	3/16"	5/16"	13/32"	2⅛"	3'-6	3"	2'-0 ϕ	5'-0	76.0# ④
4 ¾	④	B	W12"X16.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼"	1"	3½"	1"	1¼"	¼"	5/16"	13/32"	3"	5'-6	3"	2'-0 ϕ	7'-0	146.5# ④
5		C	W12"X19.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼"	1"	3½"	1"	1½"	5/16"	5/16"	13/32"	3"	6'-0	3"	2'-0 ϕ	7'-6	182.1#
5		D	W12"X22.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼"	1"	3½"	1"	1½"	⅜"	5/16"	13/32"	3"	6'-6	3"	2'-0 ϕ	8'-0	210.5#
5	③	E	W12"X26.0 #/FT.	1" ϕ @ 90#-FT.	7"	1'-4¼"	1¼"	4"	1½"	1½"	⅜"	5/16"	17/32"	3"	7'-0	3"	2'-0 ϕ	8'-6	293.0# ③

BASE CONNECTION DATA TABLE ① ⑥ ①
FOUNDATION DATA ②

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/12/15 PLATE NO. A3-1.16

⑩	1-21-14	LUBRICATION OF BASE BOLTS
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1
NO.	DATE	REVISION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC. 2011	DRAWN BY JPH	PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

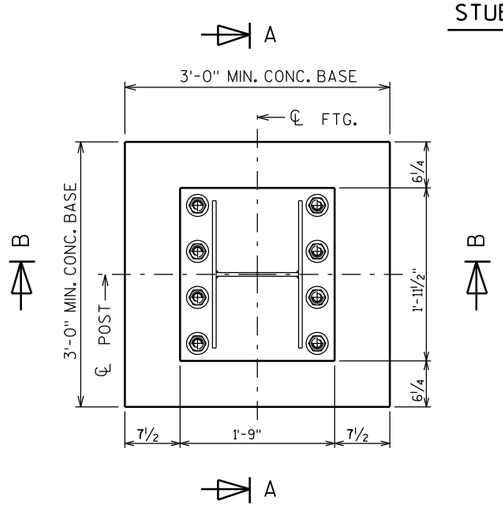
SHEET 770

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

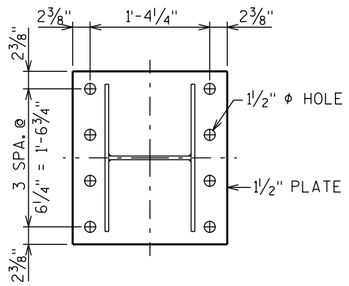
7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 01-DEC-2015 18:20 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000

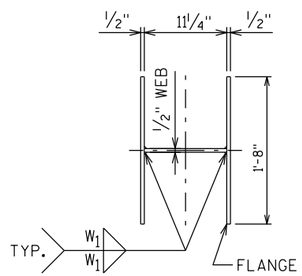
STUB AND MASONRY ANCHOR DETAILS



STUB SECTION



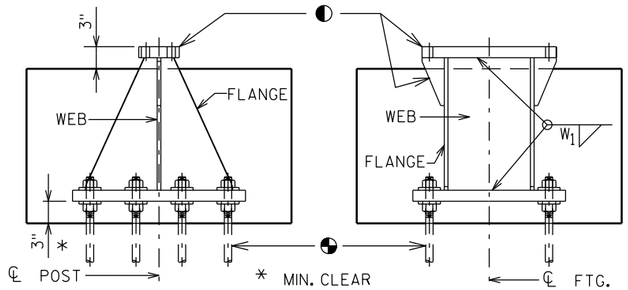
BASE PLATE



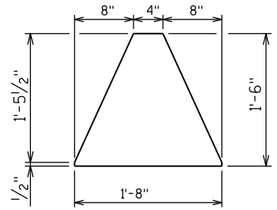
STUB

◐ SEE PLATE NO. A3-1 FOR DETAILS

◒ MASONRY ANCHORS TYPE S 1¼-INCHES (ADHESIVE). ALLOWABLE PULL OUT CAPACITY 14,995 KIPS. EMBED 1'-3" IN ROCK.



SECTION A SECTION B



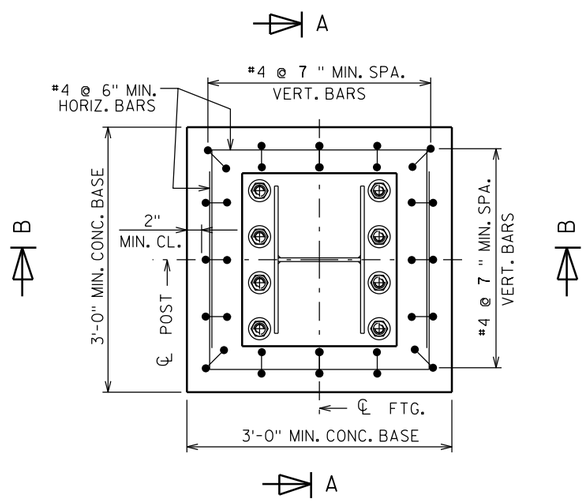
FLANGE

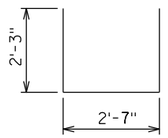
GENERAL NOTES

1. Quantities per Base:
   - REINFORCING BAR STEEL = 62 LBS
   - CONCRETE = 0.6 C.Y.
   - STEEL WEIGHT = 335 LBS
2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS

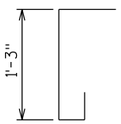
CONCRETE BASE SECTION





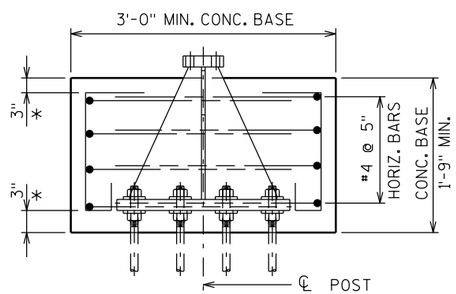
HORIZONTAL BAR

8 BARS @ 6'-11" LENGTH



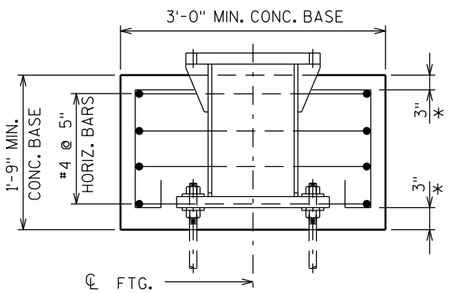
VERTICAL BARS

16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A

* MIN. CLEAR



SECTION B

ALTERNATE BREAK-AWAY BASE ON ROCK
A3-1M

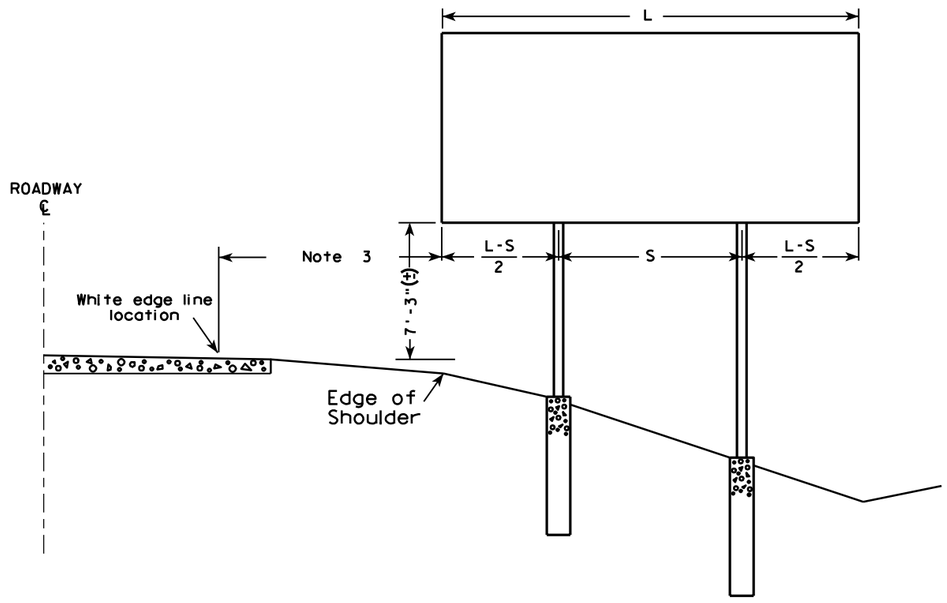
WISCONSIN DEPT OF TRANSPORTATION

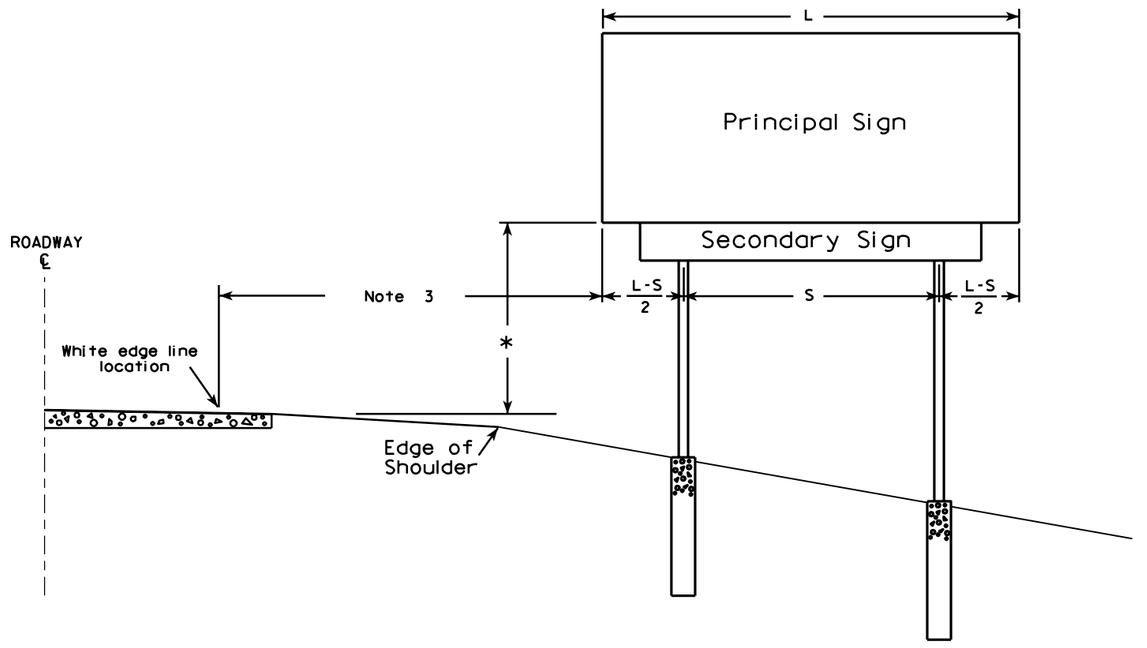
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/06/2014 PLATE A3-1M.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31M.DGN PLOT DATE : 10-MAR-2014 15:16 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.556674:1.000000 WISDOT/CADDS SHEET 42





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

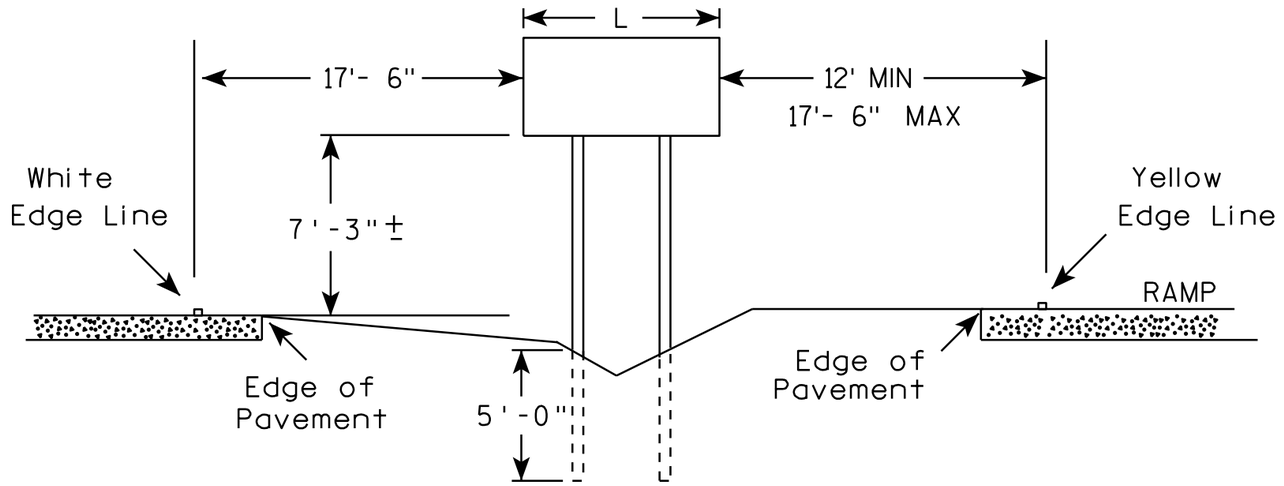
TYPICAL INSTALLATION OF TYPE I SIGNS

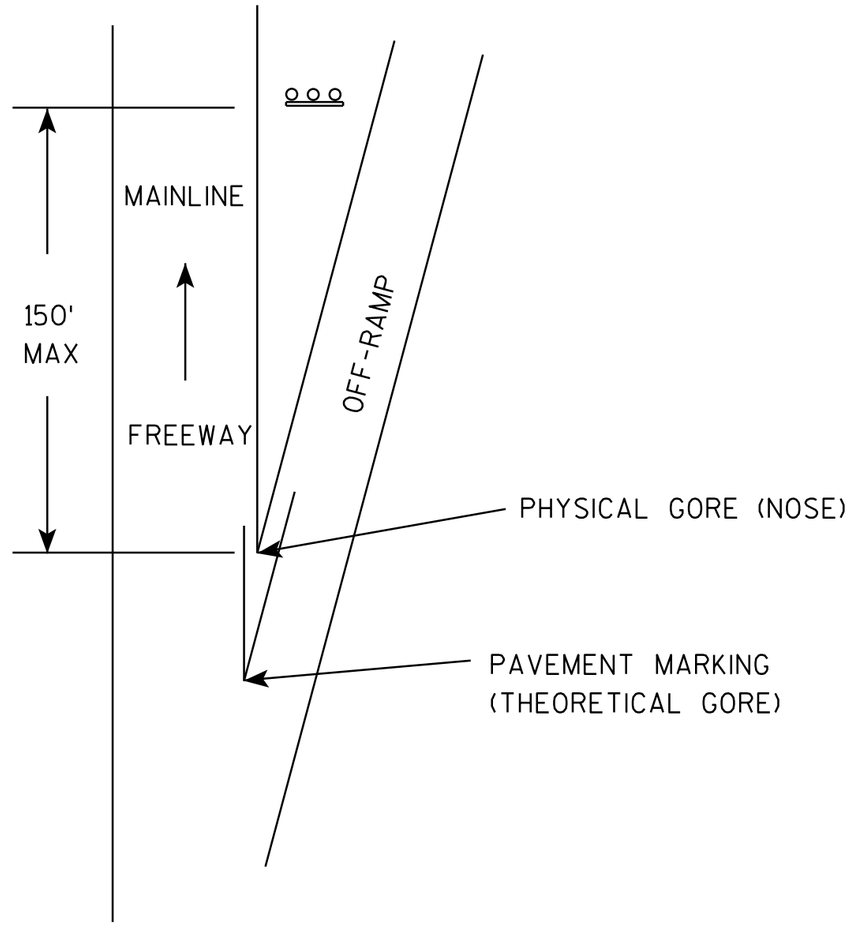
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO:				SHEET NO: 772	E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

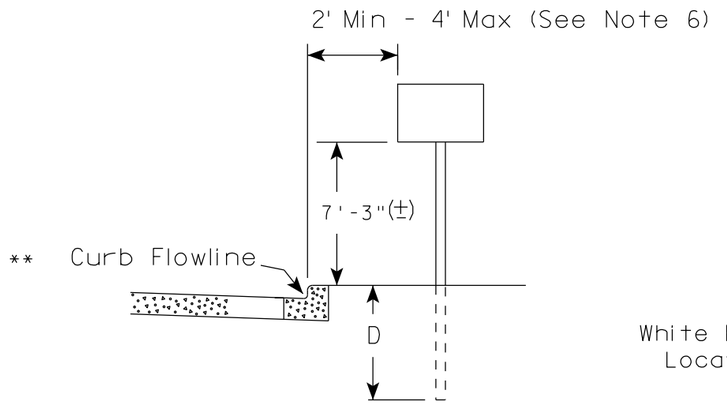
DATE 2/06/14 PLA 773 A4-2.3

PROJECT NO: | SHEET NO: E

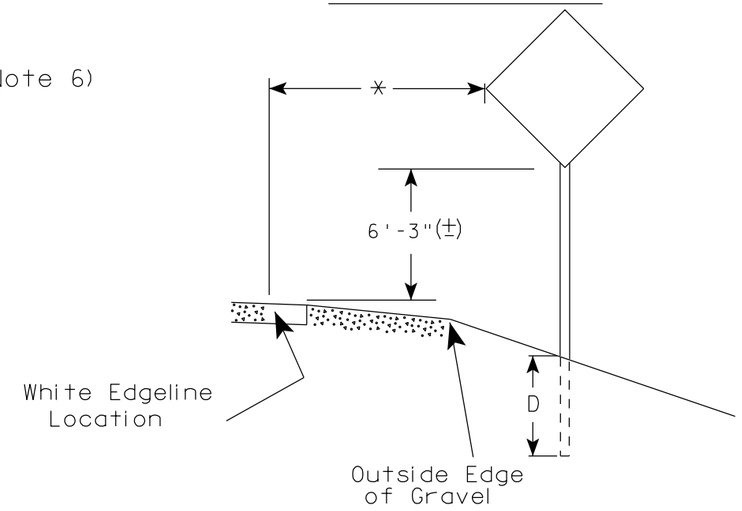
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A42.DGN PLOT DATE : 06-FEB-2014 12:36 PLOT BY : mscsja

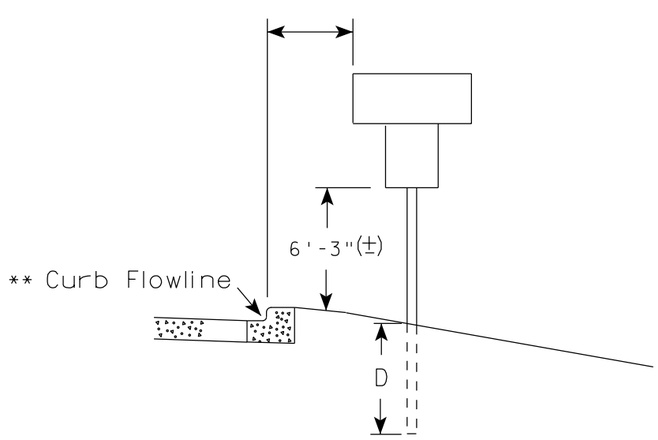
WISDOT/CADDS SHEET 42

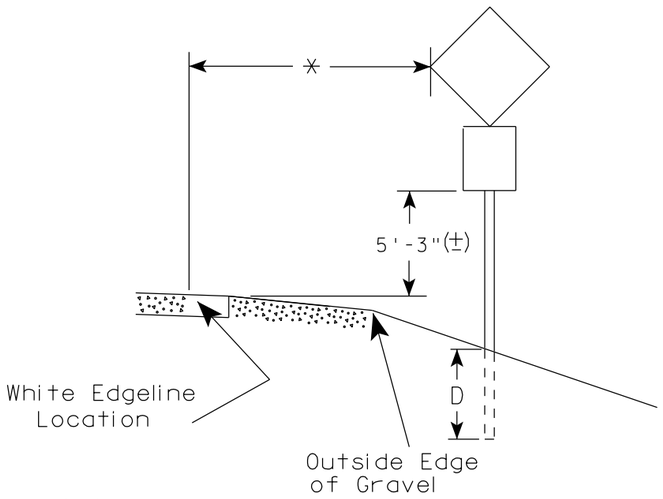
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

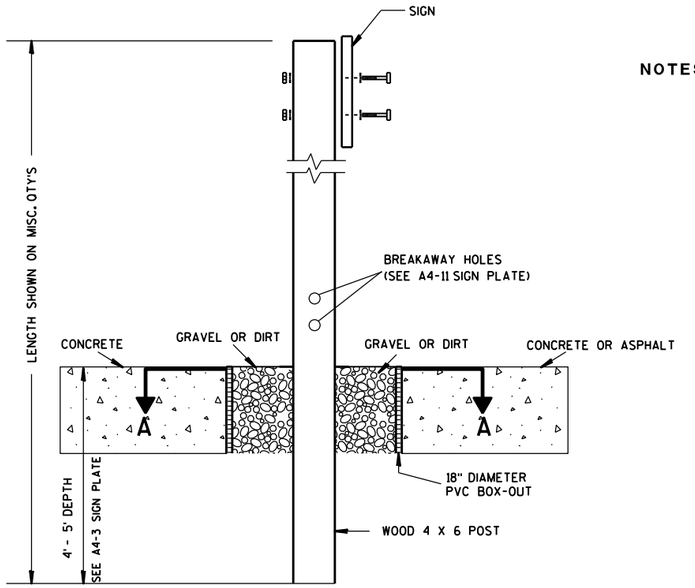
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

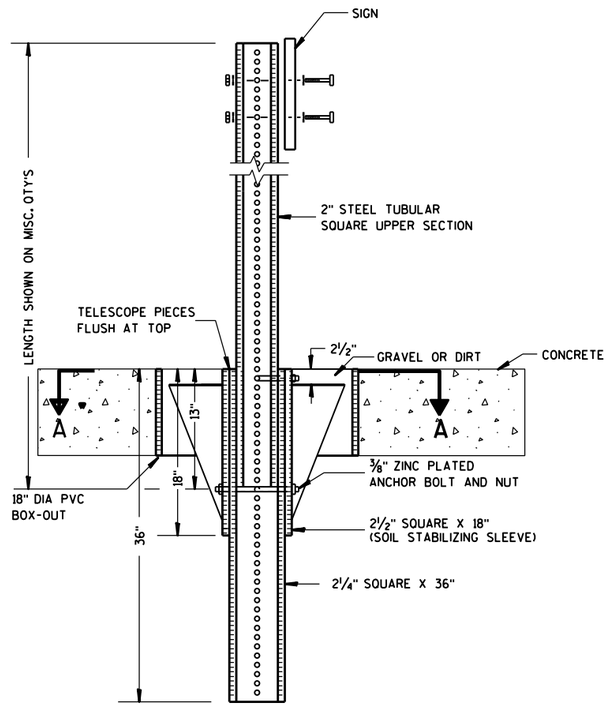
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

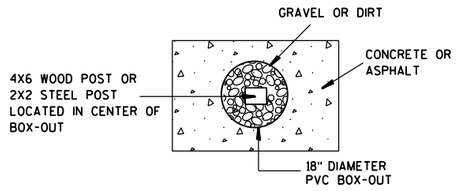
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

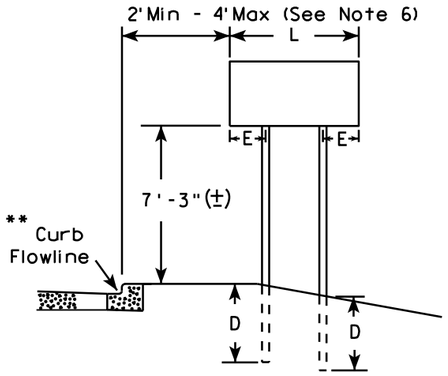
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

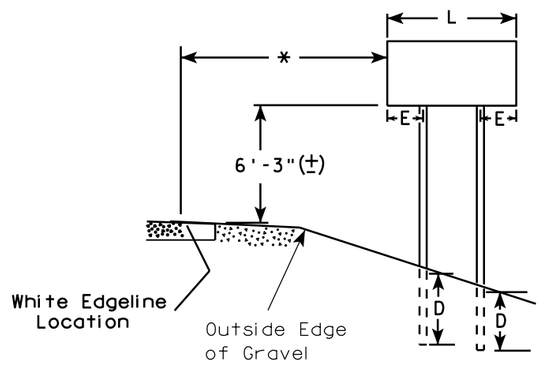
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

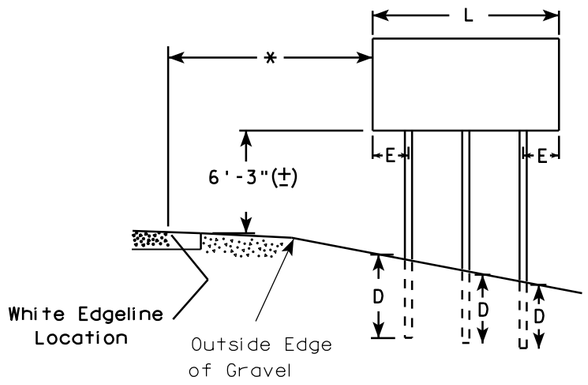
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

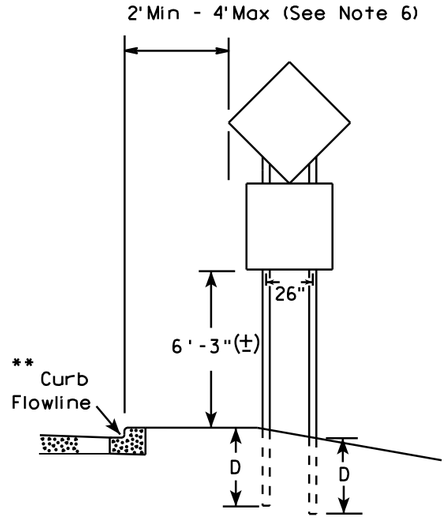
URBAN AREA



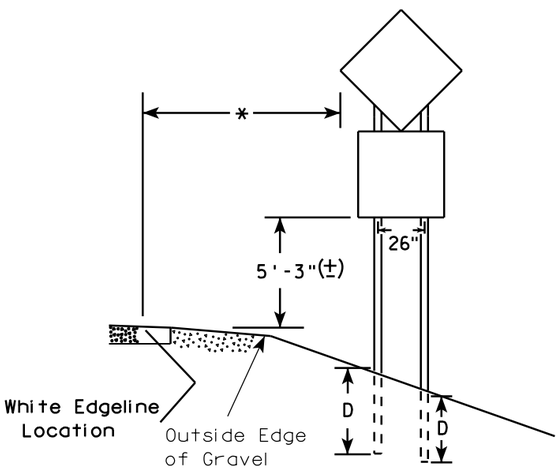
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

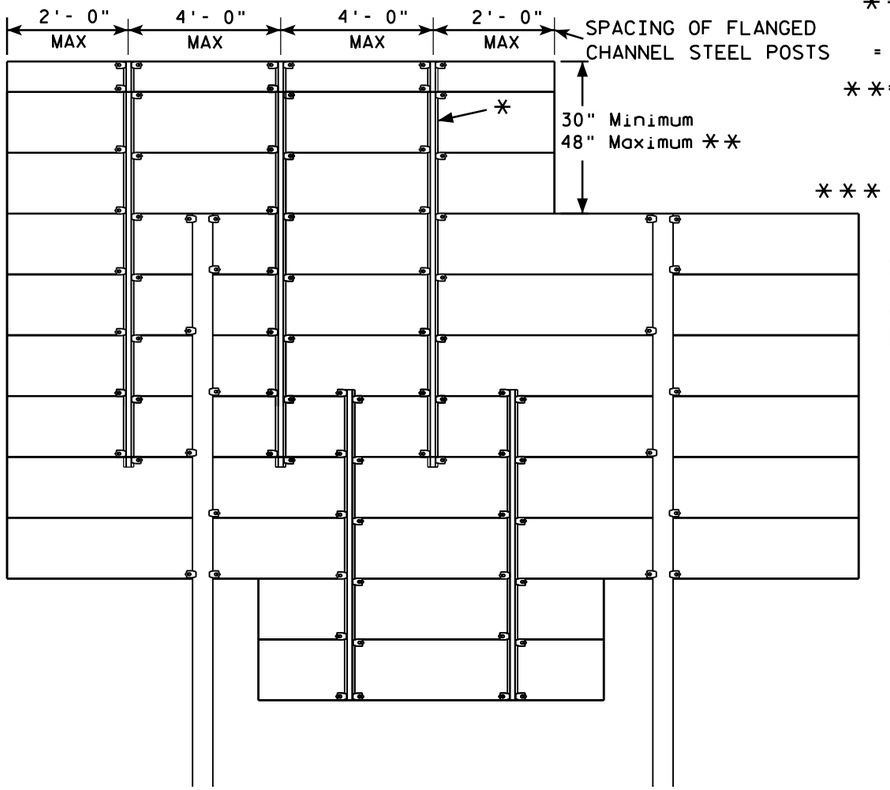
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. AA-A 14-776

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

GROUND MOUNTED SIGN

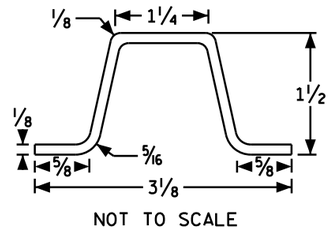


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

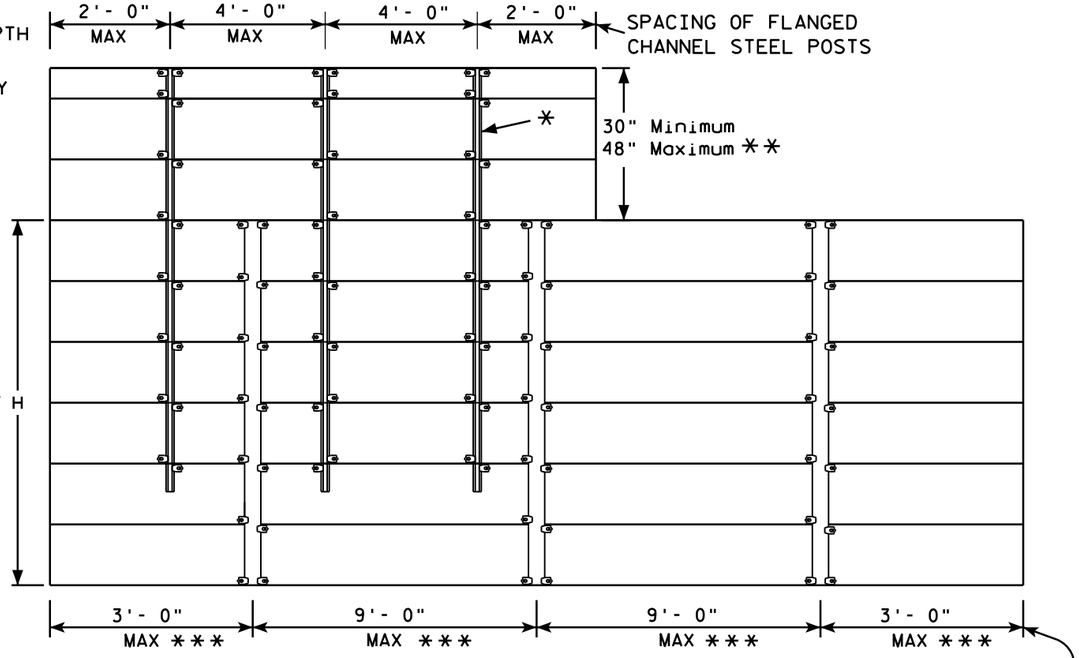
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

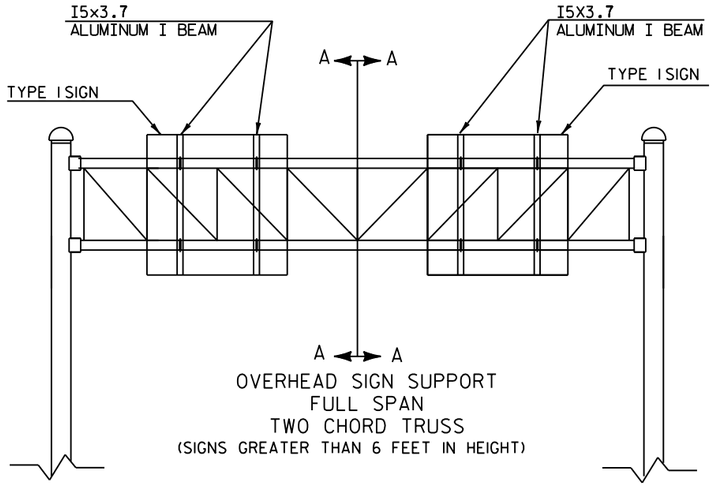
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

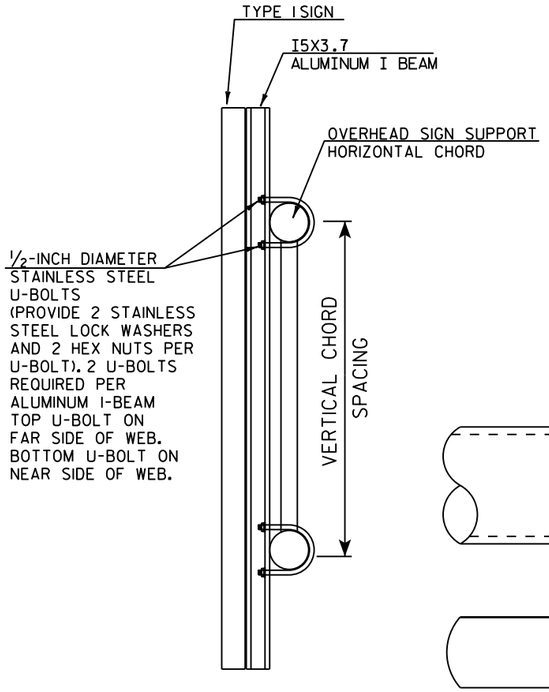
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 777 A4-6.12

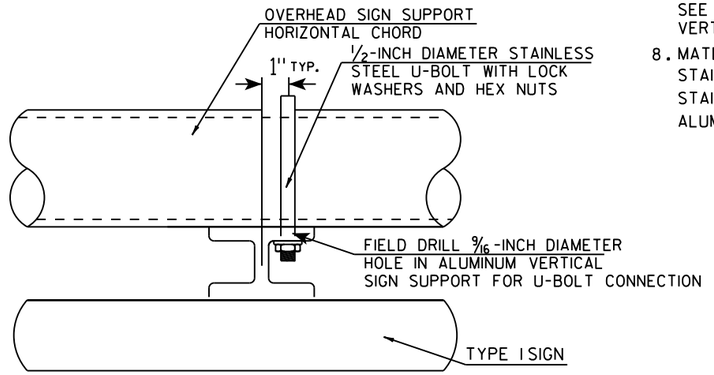
PROJECT NO: | SHEET NO: E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



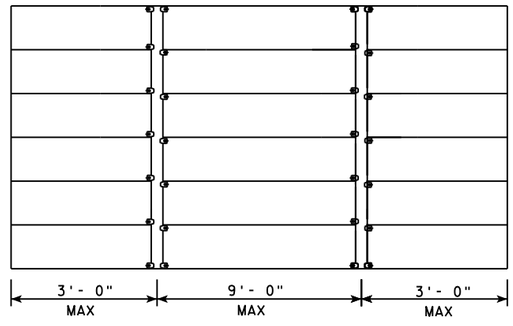
CUT SECTION A-A



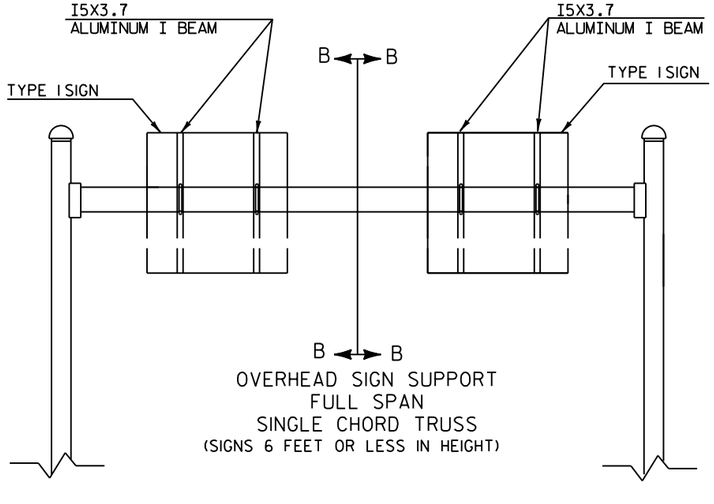
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

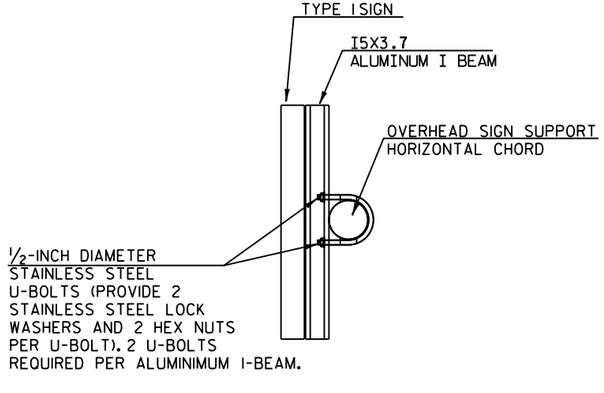
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



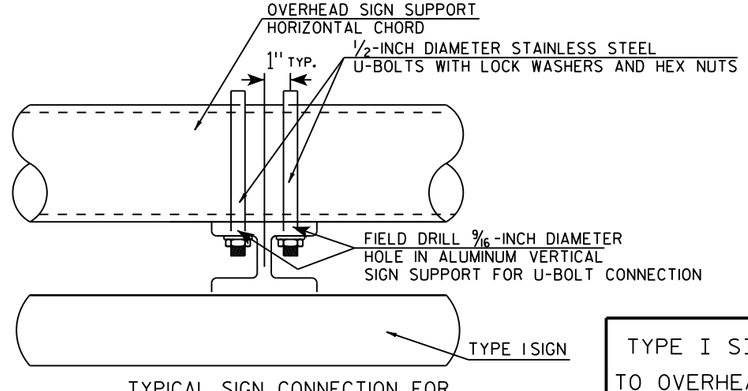
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

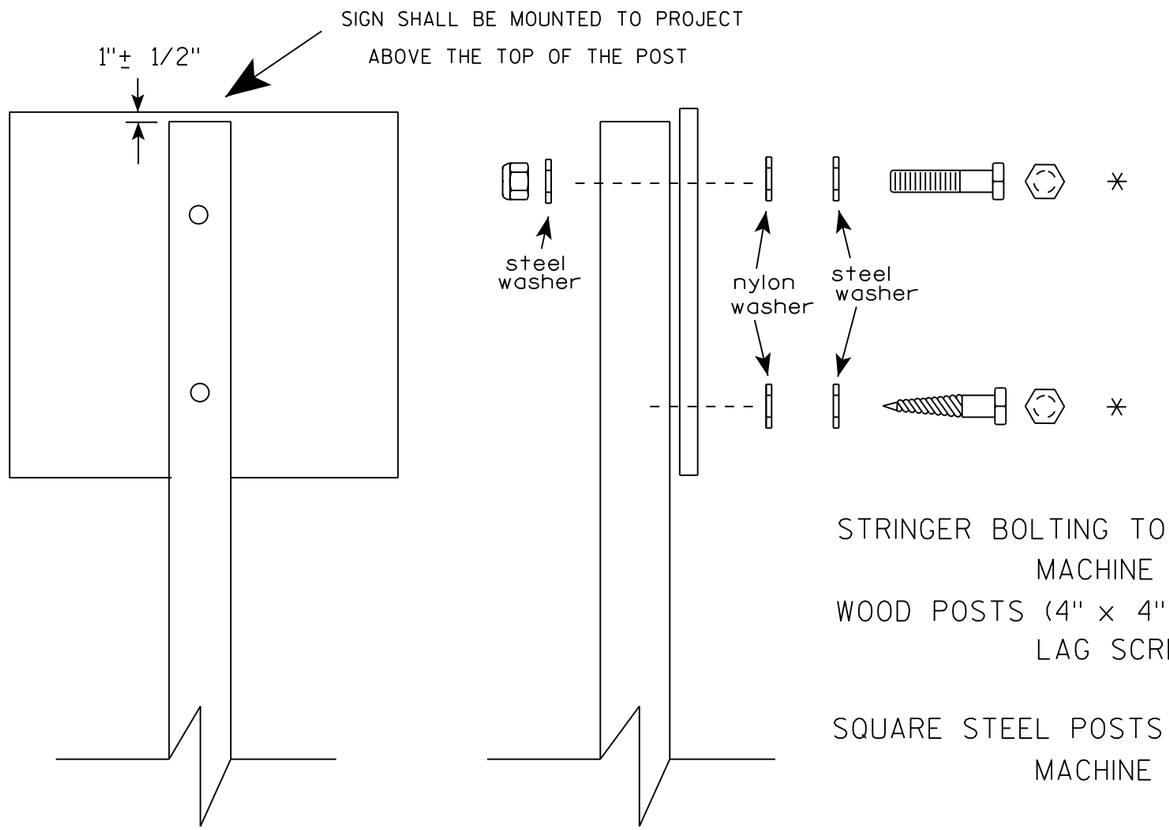
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/15 PLATE NO. A4-7.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A47.DGN PLOT DATE : 01-DEC-2015 17:42 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 38.916838:1.000000



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

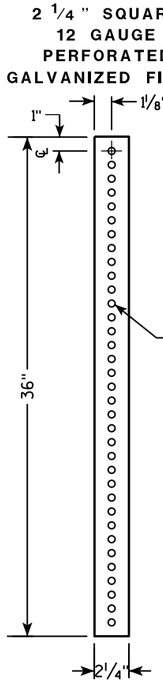
779

PROJECT NO: SHEET NO: E

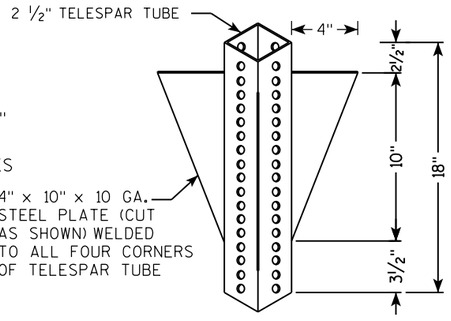
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

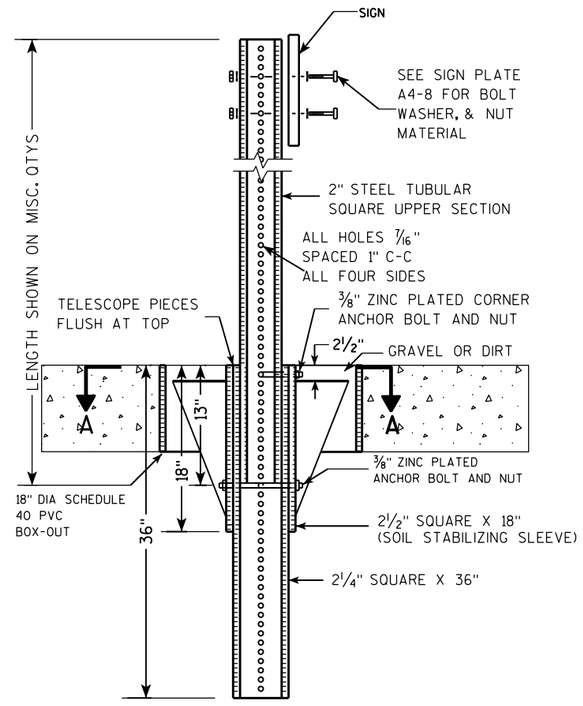
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



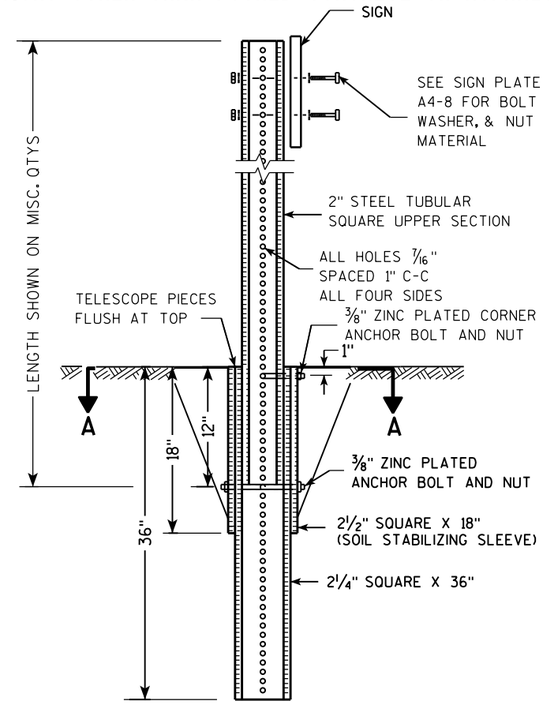
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

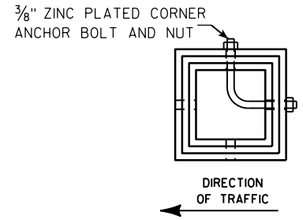


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

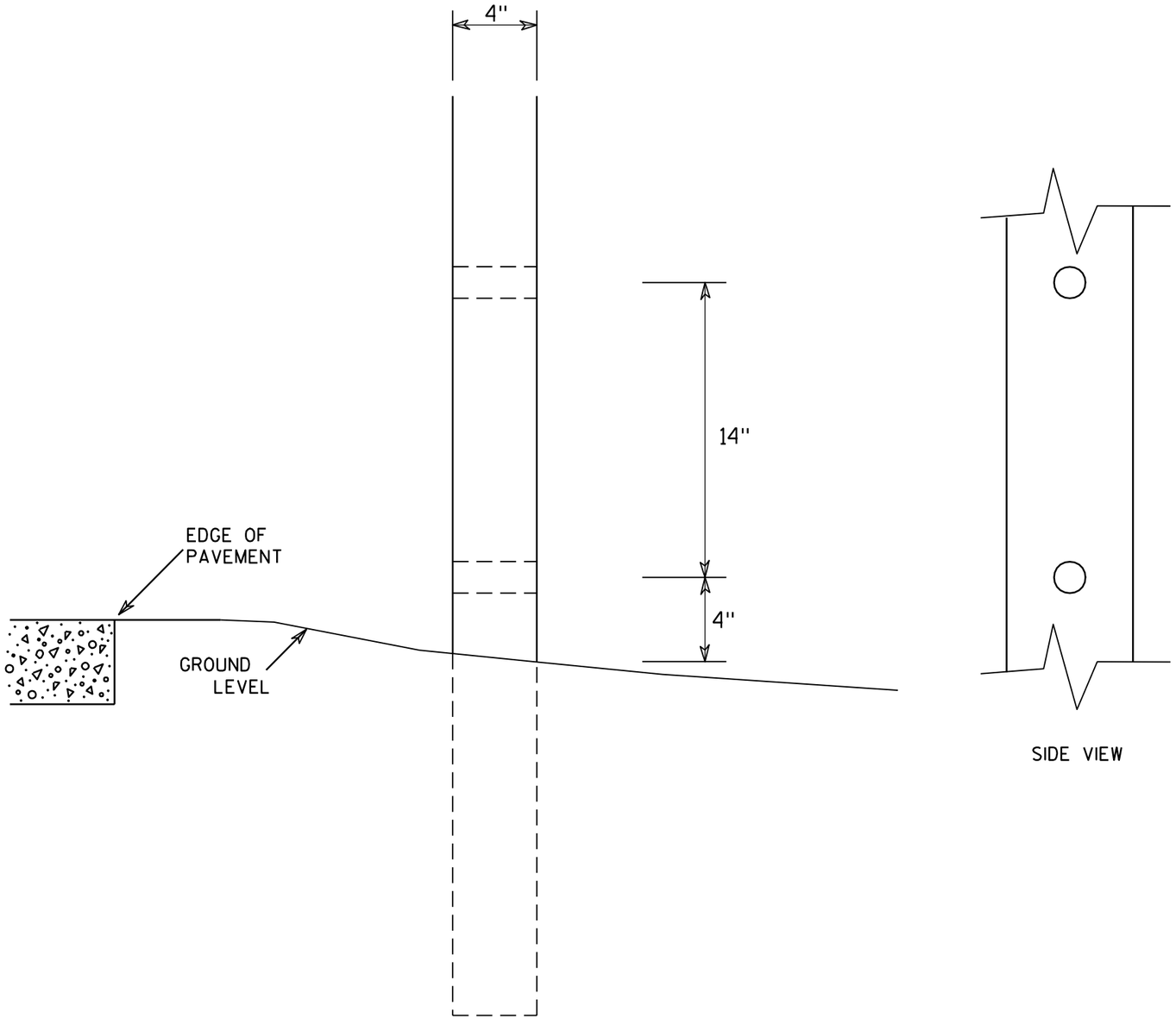
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 780 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

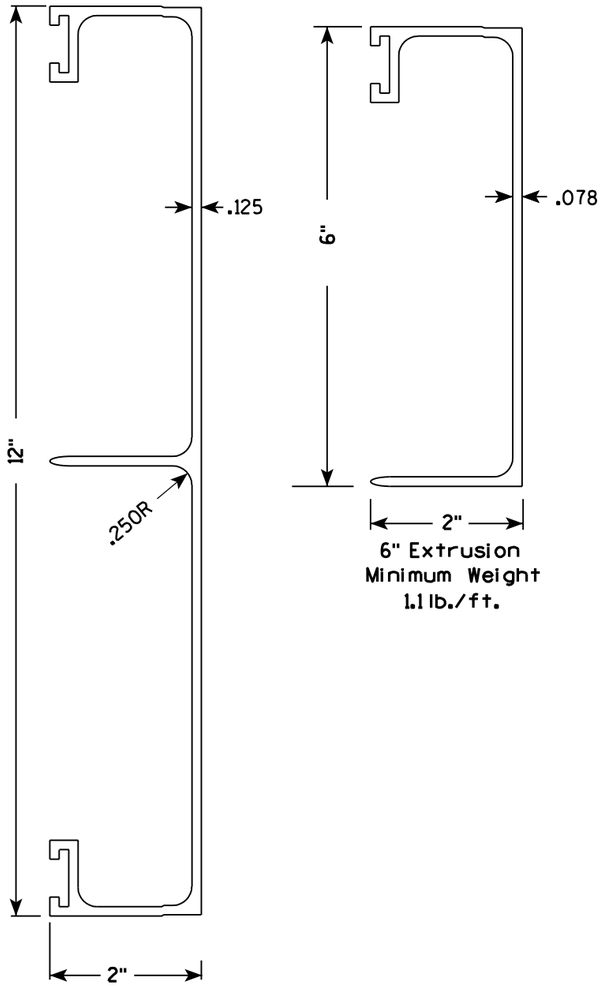
WISCONSIN DEPT OF TRANSPORTATION

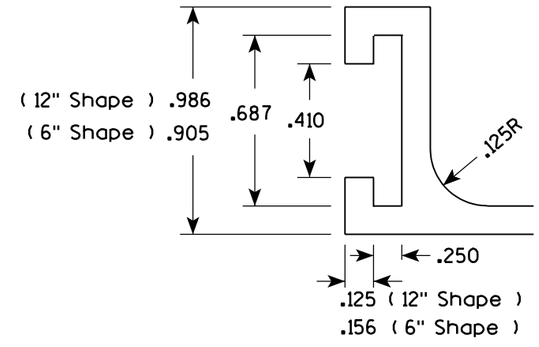
APPROVED Chester J Spang for State Traffic Engineer

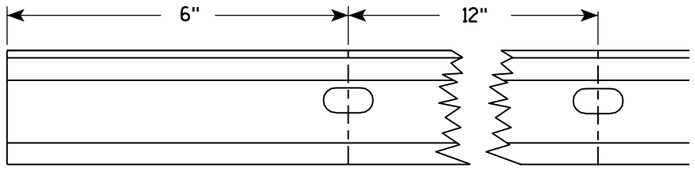
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 781	E

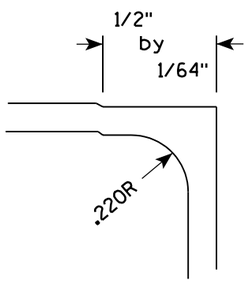
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

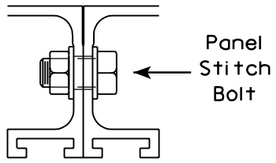


Hardware

STITCH BOLT, WASHER & NUT

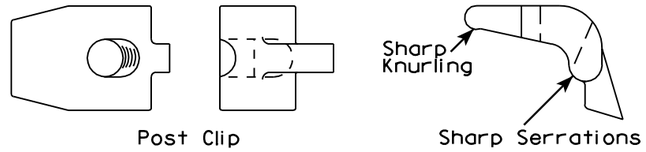
The hardware includes:

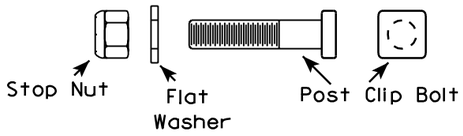
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

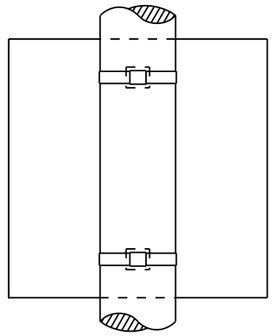
DATE 11/18/99 PLATE NO. A5-2.9

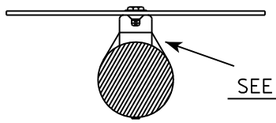
PROJECT NO:

SHEET NO: 782 E

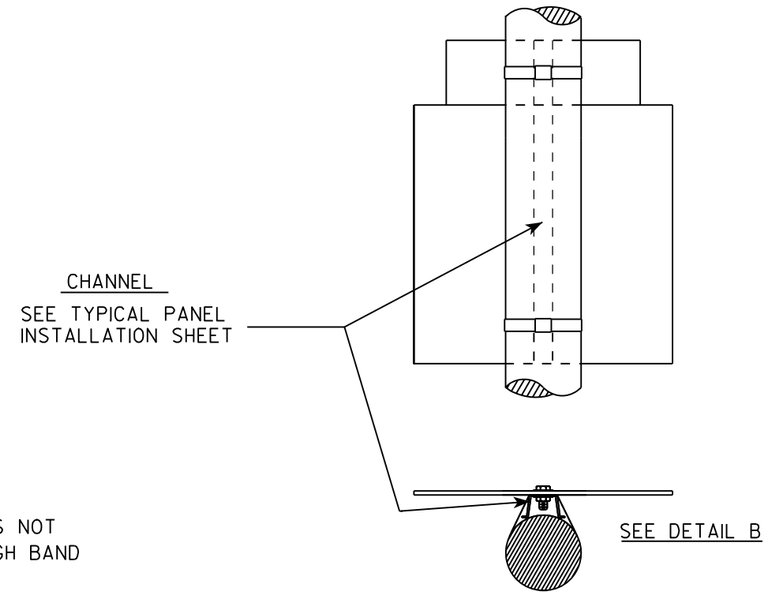
BANDING

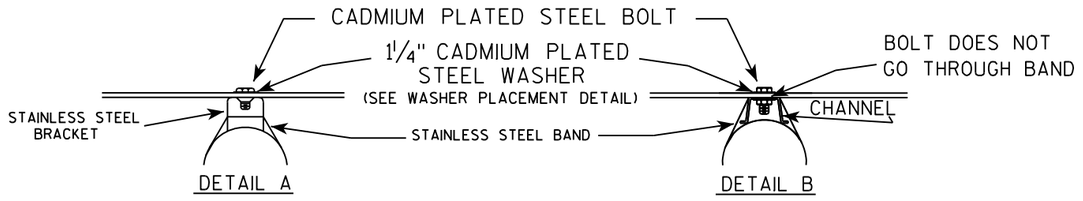
SINGLE SIGN



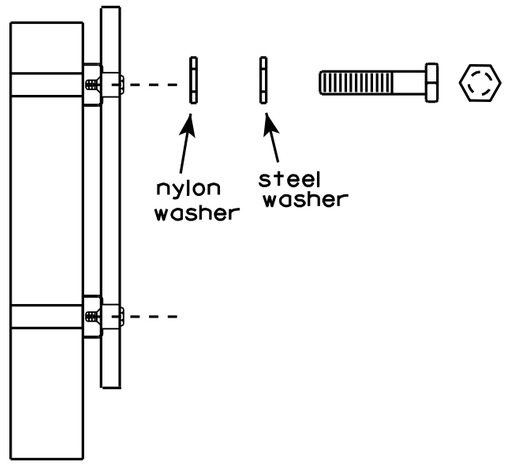


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

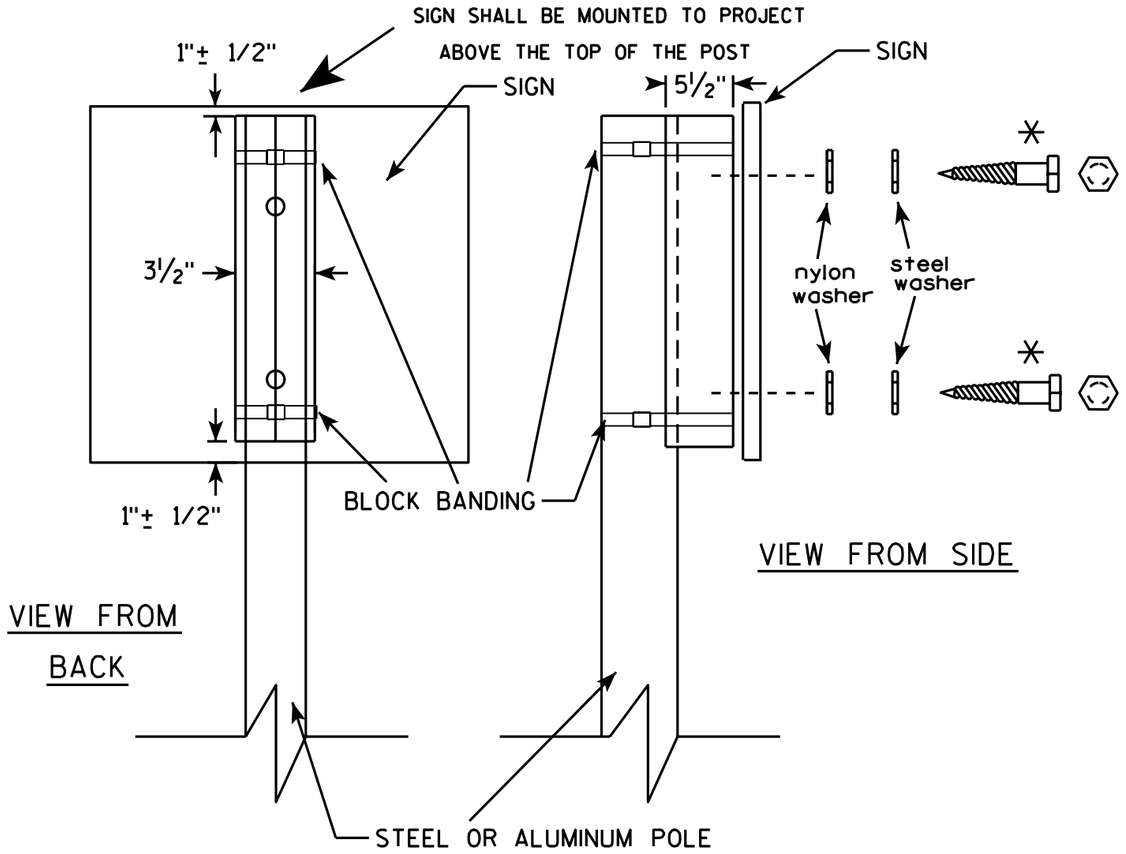
STANDARD SIGN
SIGN BANDING DETAILS

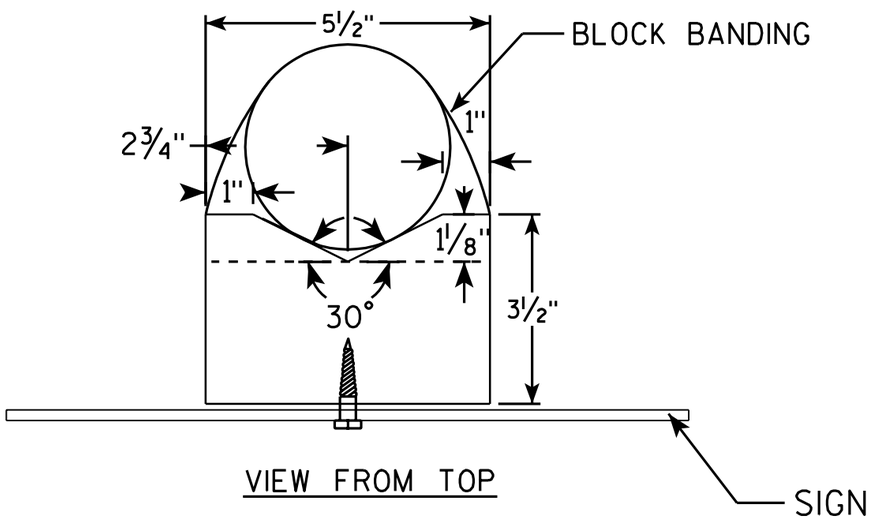
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 783	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

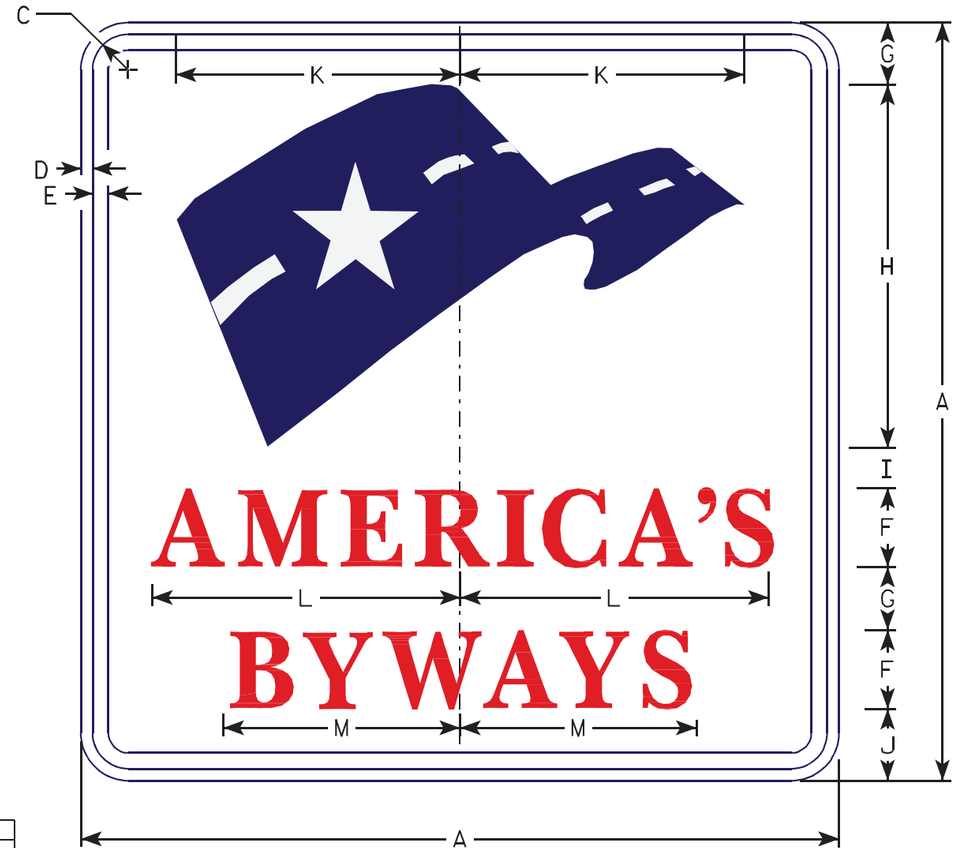
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 784 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



D6-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - RED Logo is Blue with White dashes and Star.
3. Message Series - SPECIAL FONT (See MUTCD Standard Highway Signs Manual)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	
4	900 mm X 900 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq
1																												
2	24		1 1/8	3/8	1/2	2 1/2	2	11 1/2	1 1/4	2 1/4	9	9 3/4	7 1/2														4.0	0.36
3																												
4	36		1 5/8	3/4	5/8	3 3/4	3	17 1/4	1 7/8	3 3/8	13 1/2	14 5/8	11 1/4														9.0	0.81
5																												

STANDARD SIGN
D6-4

WISCONSIN DEPT OF TRANSPORTATION

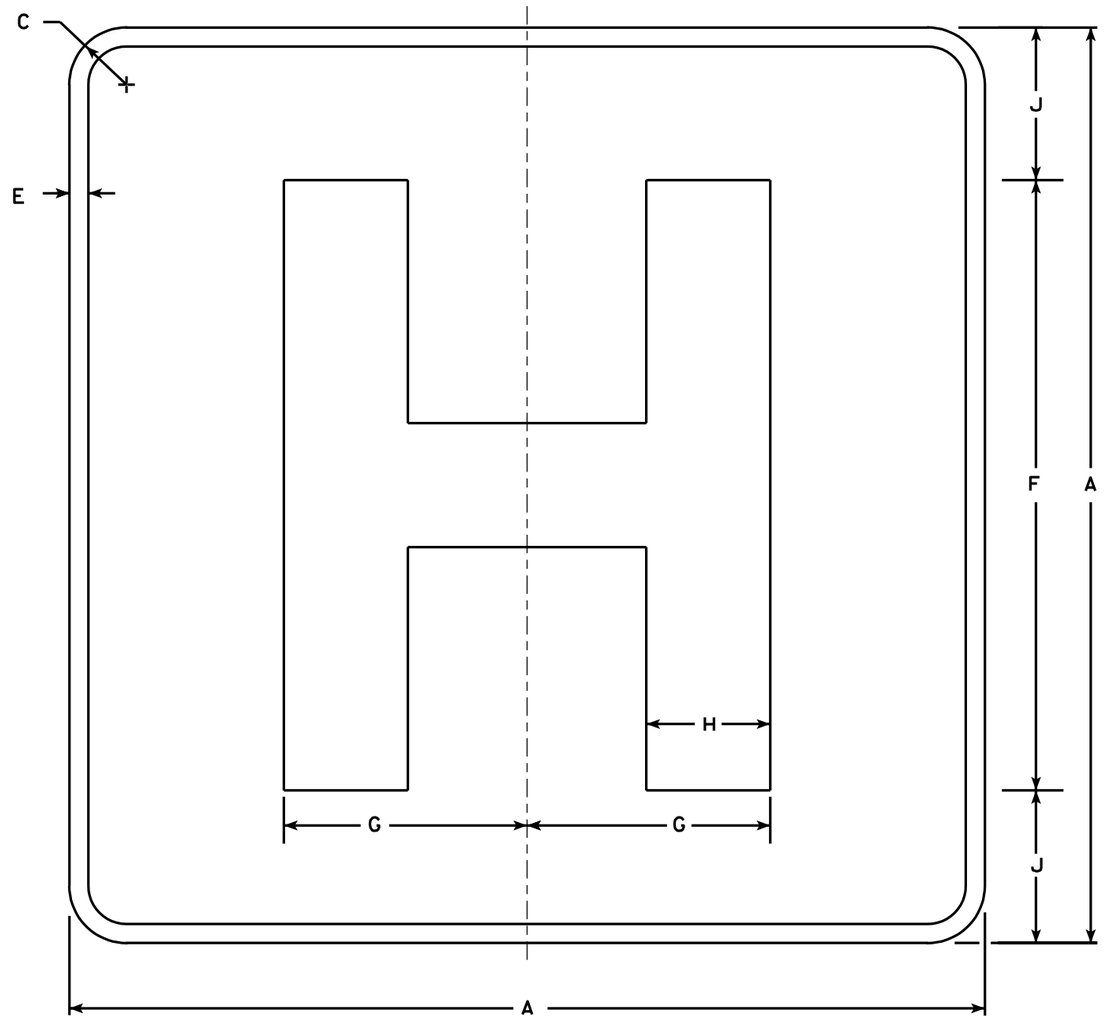
APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 4/30/10 PLATE NO. D6-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D64.DGN PLOT DATE : 30-APR-2010 13:33 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 3.972696:1.000000

WISDOT/CADDS SHEET 42



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

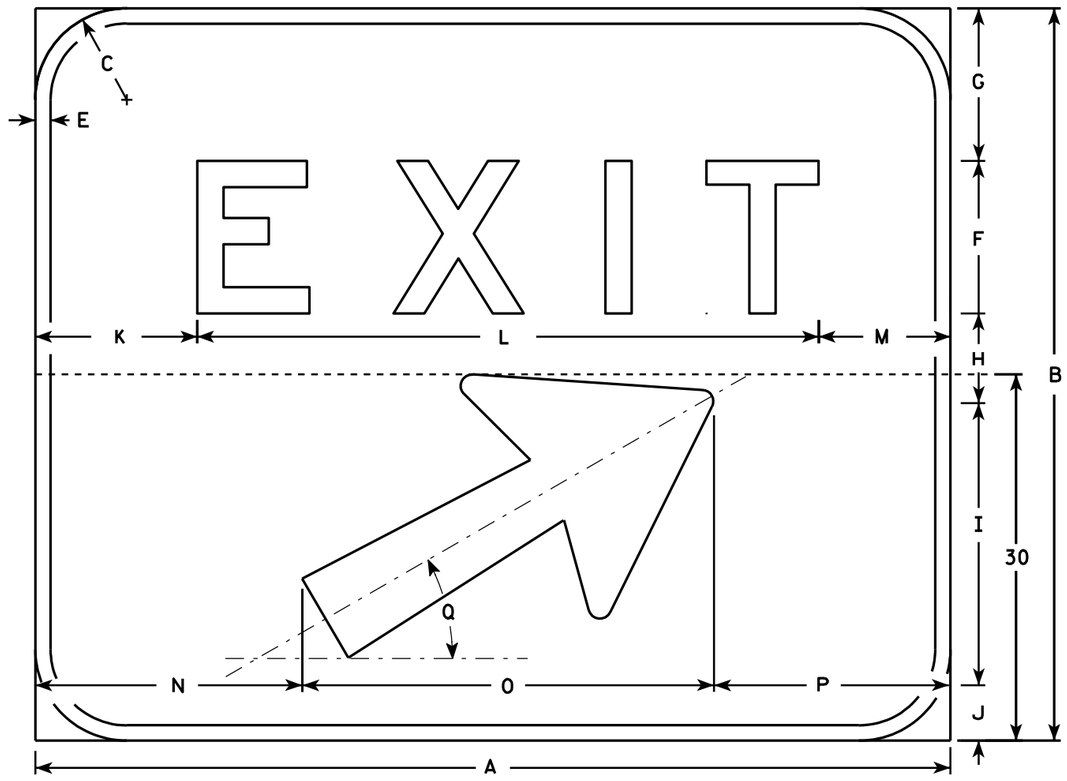
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 786 E



E5-1

NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but borders shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. As per the Standard Spec's, this sign shall not have a vertical joint.

Metric equivalent for this sign is:

SIZE	
1	
2	
3	
4	1500 mm X 1200 mm
5	1800 mm X 1500 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2																												
3																												
4	60	48	6		1	10	10	5 7/8	18 1/2	3 5/8	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°										20.0	1.80
5	72	60	6		1	12	12	10	18 1/2	7 1/2	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°										30.0	2.70

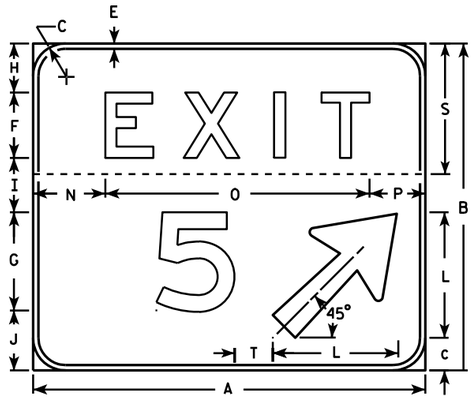
STANDARD SIGN
E5 - 1

WISCONSIN DEPT OF TRANSPORTATION

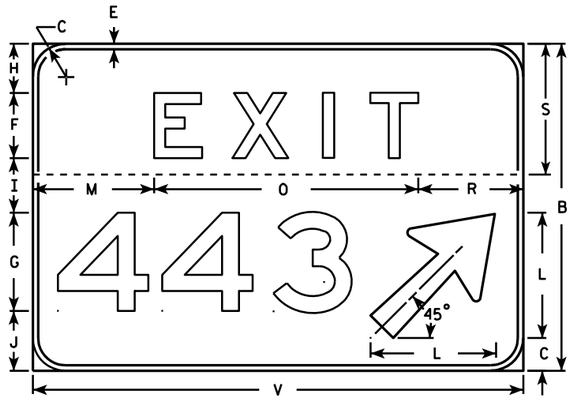
APPROVED Chester J Spang for State Traffic Engineer

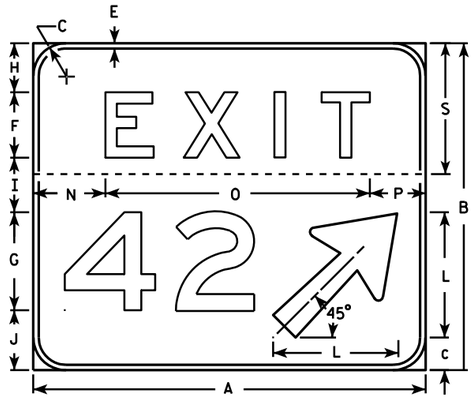
DATE 6/22/00 PLATE NO. E5-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 787	E



NOTE: T diminision shall be measured from the back of the number to the front of the arrow





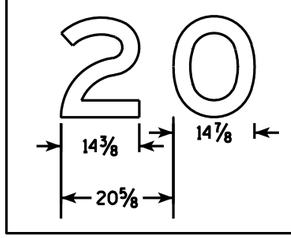
NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

EXAMPLE FOR USING SPACING CHART



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

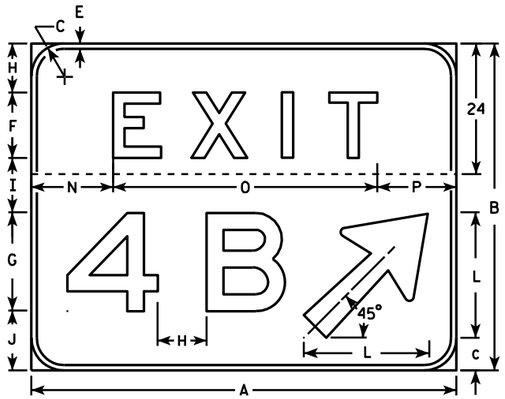
STANDARD SIGN
E5-1A

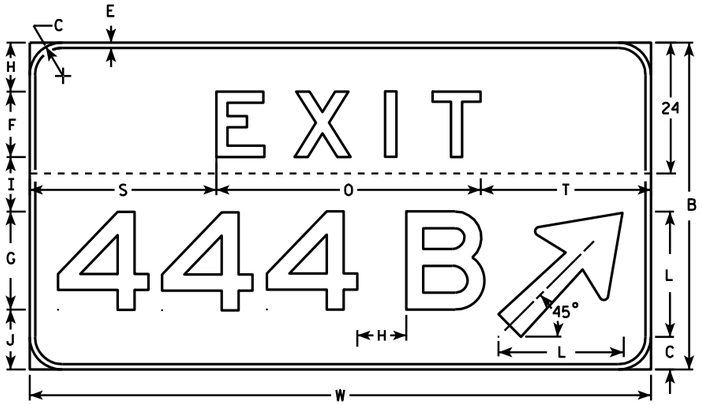
WISCONSIN DEPT OF TRANSPORTATION

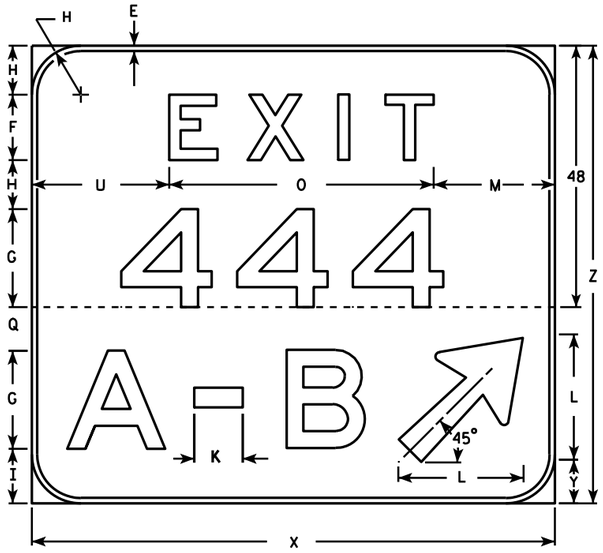
APPROVED Matthew R Rauch
for State Traffic Engineer

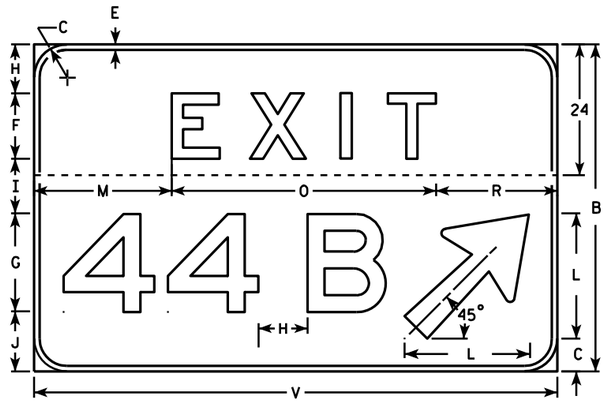
DATE 5/11/10 PLATE NO. E5-1A.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 788 | E

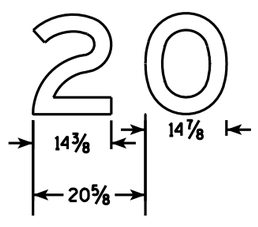








EXAMPLE FOR USING SPACING CHART



NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. When two letters are hyphenated, the distance between them should be equal to two letter heights and the hyphen is spaced optically between them.
9. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8	19 7/8	22 1/8	22 1/8
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14	9 7/8	14	14
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8	20 1/4	21 1/8	21 1/8
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4	20 1/4	21 1/8	21 1/8
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8	22 1/2	25 1/2	23 3/8
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8	19 1/4	20 5/8	20 5/8
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8	18	20 3/4	20 3/4
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/4	21 1/2	21 1/2
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18	21 3/4	21 3/4
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	78	60	6		1	12	18	9	10	11	8 7/8	23	25 1/4	15	48 1/2	14 1/2	8	22 1/4	34 1/4	31 1/4	25 1/4	96	114	96	7 1/2	84

2 Digit Bid Area	3 Digit Bid Area	4 Digit Bid Area	5 Digit Bid Area
Sq. Ft.			
32.5	40.0	47.5	56.0

STANDARD SIGN
E5-1B

WISCONSIN DEPT OF TRANSPORTATION

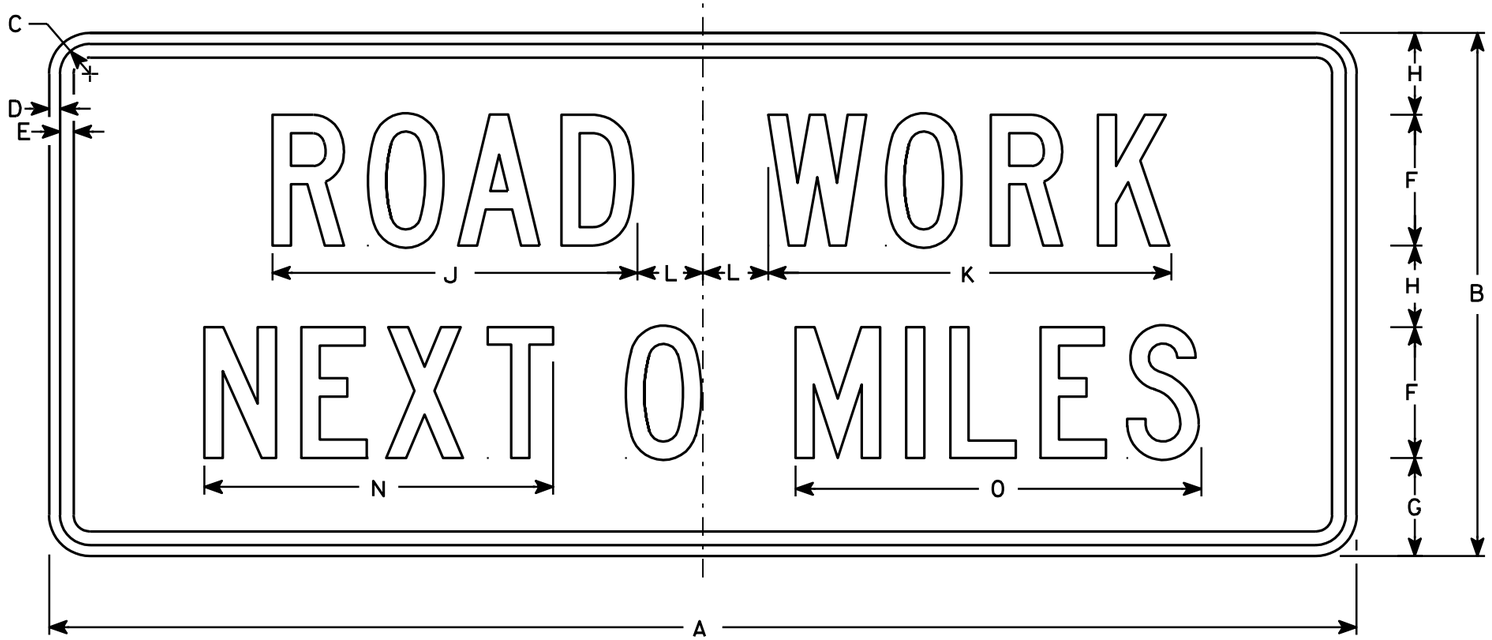
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/8/10 PLATE NO. E5-1B.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 789 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\E51B.DGN PLOT DATE : 08-JUN-2010 12:42 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 27.808870:1.000000
WISDOT/CADDS SHEET 42



G20-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

Metric equivalent for this sign is:

SIZE	
1	
2	1500 mm X 600 mm
3	
4	1500 mm X 600 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
5																												

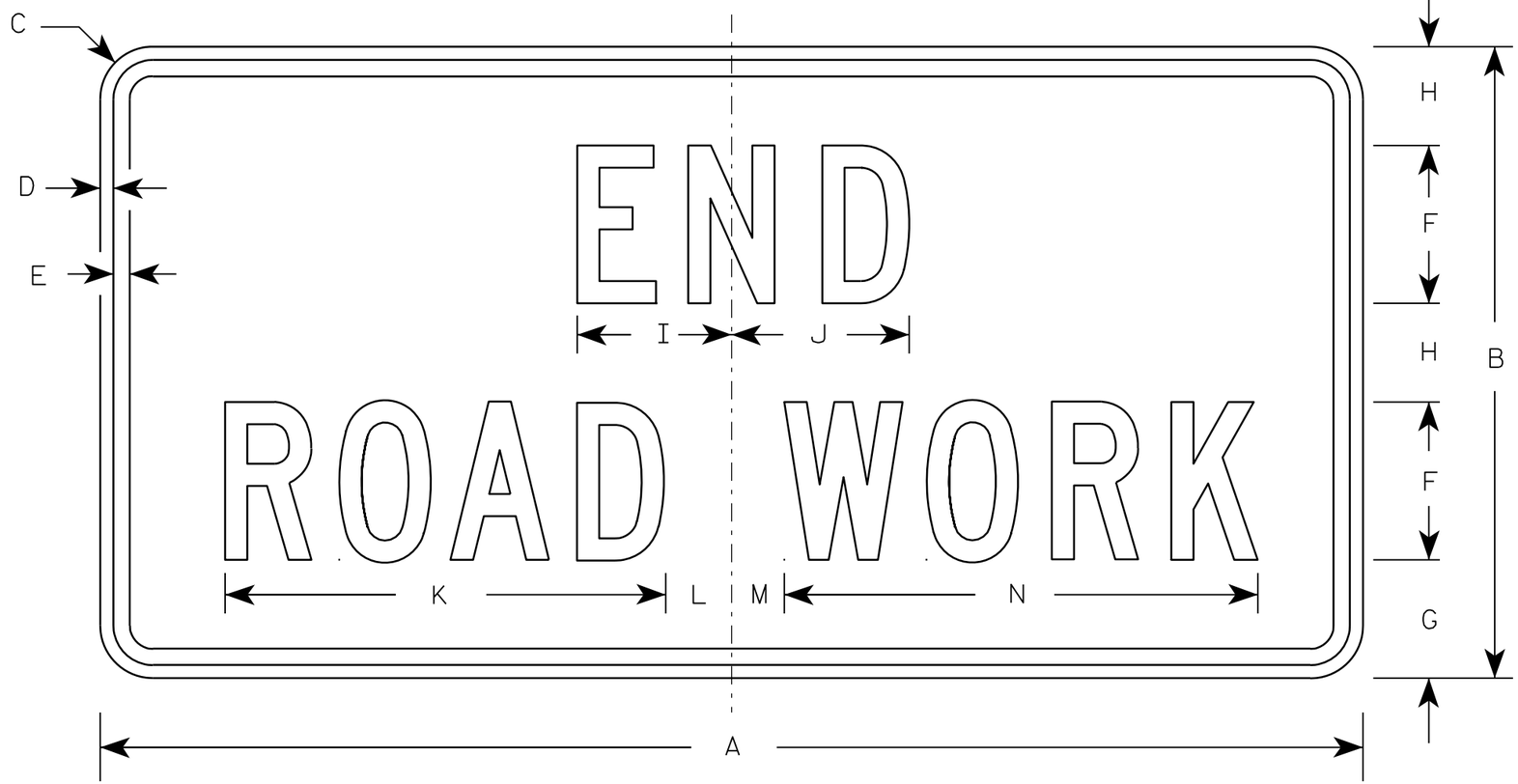
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spray for State Traffic Engineer

DATE 4/8/97 PLATE NO. G20-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 790	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

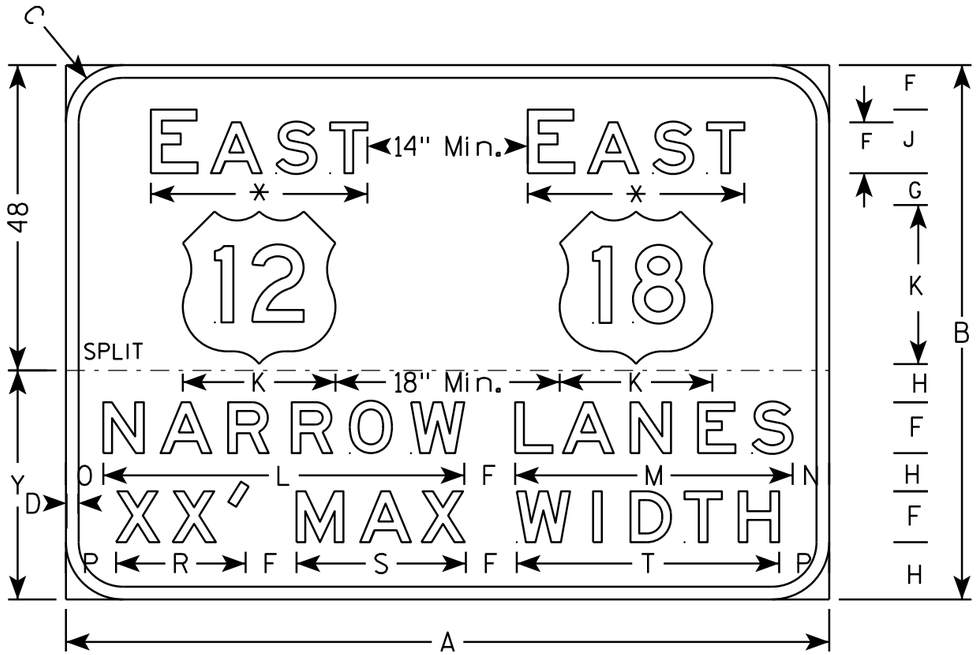
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

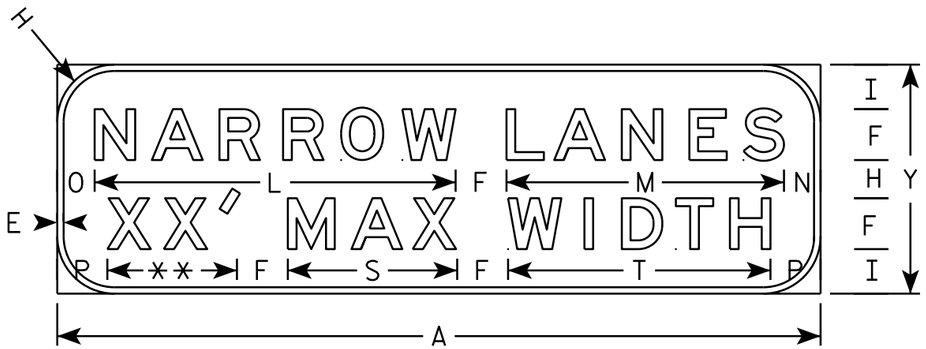
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 791	E



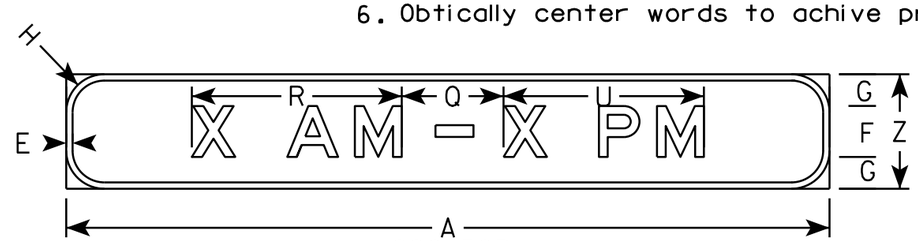
G20-59



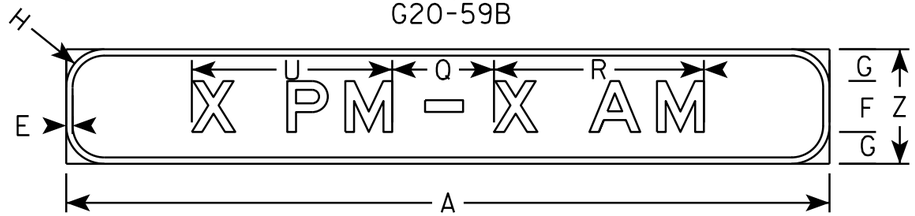
G20-59A

NOTES

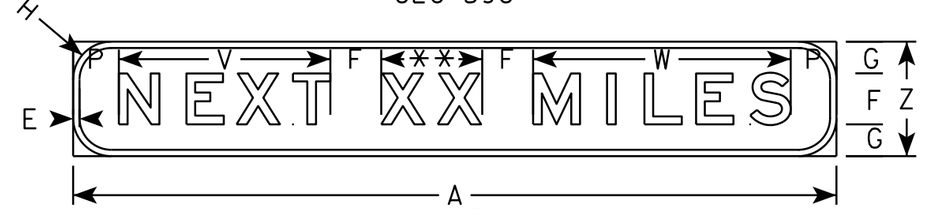
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
* 4. Substitute appropriate Route Shield and Cardinal
** 5. Substitute appropriate Numerals
6. Obtically center words to achive proper balance



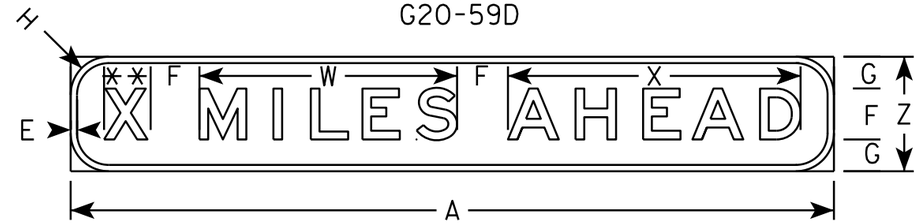
G20-59B



G20-59C



G20-59D



G20-59E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	G20-59 Area sq. ft.	G20-59A Area sq. ft.	G20-59 B,C,D,E Area sq. ft.
1																													
2S																													
2M																													
3																													
4	120	84	9	2	1	8	5	6	7	10	24	56 3/4	43 5/8	5 3/4	5 7/8	7 1/4	16	33	26 5/8	41 1/4	31 1/2	33 1/4	40 1/2	46	36	18	70.0	30.0	15.0
5																													

STANDARD SIGN

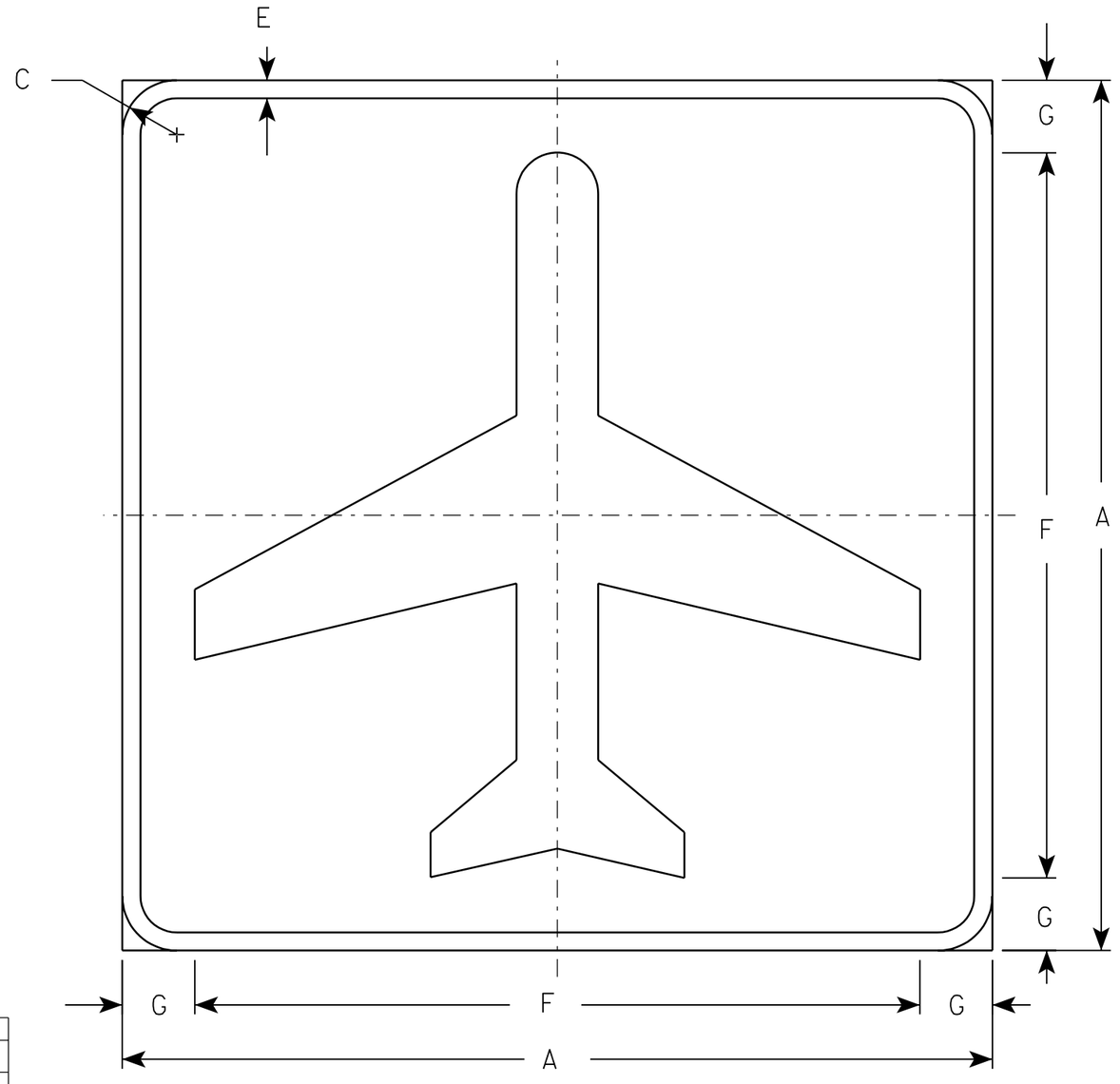
G20-59

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/16/14 PLATE NO G20-59.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



I5 - 1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mm X 450 mm
2	600 mm X 600 mm
3	750 mm X 750 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	18		1 1/8		3/8	15	1 1/2																				2.25	0.20
2	24		1 1/2		1/2	20	2																				4.0	0.37
3	30		2 1/4		3/4	25	2 1/2																				6.25	0.58
4																												
5																												

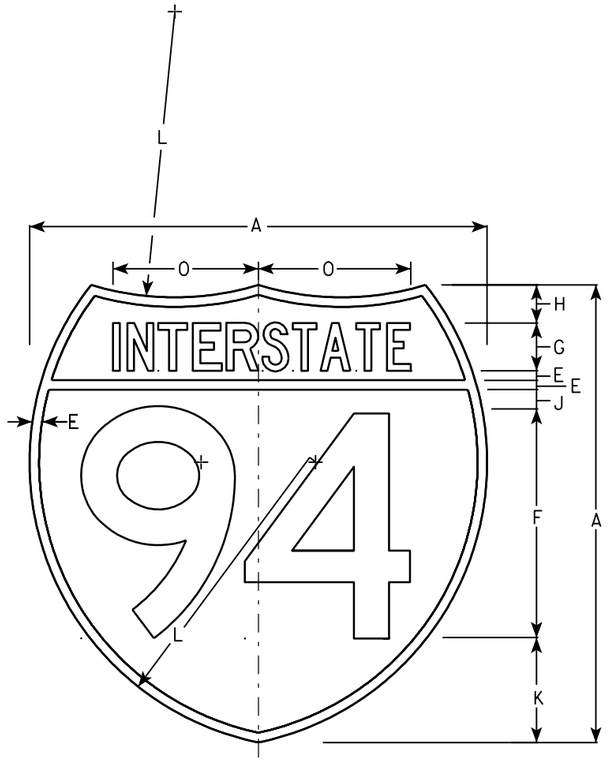
STANDARD SIGN
I5-1

WISCONSIN DEPT OF TRANSPORTATION

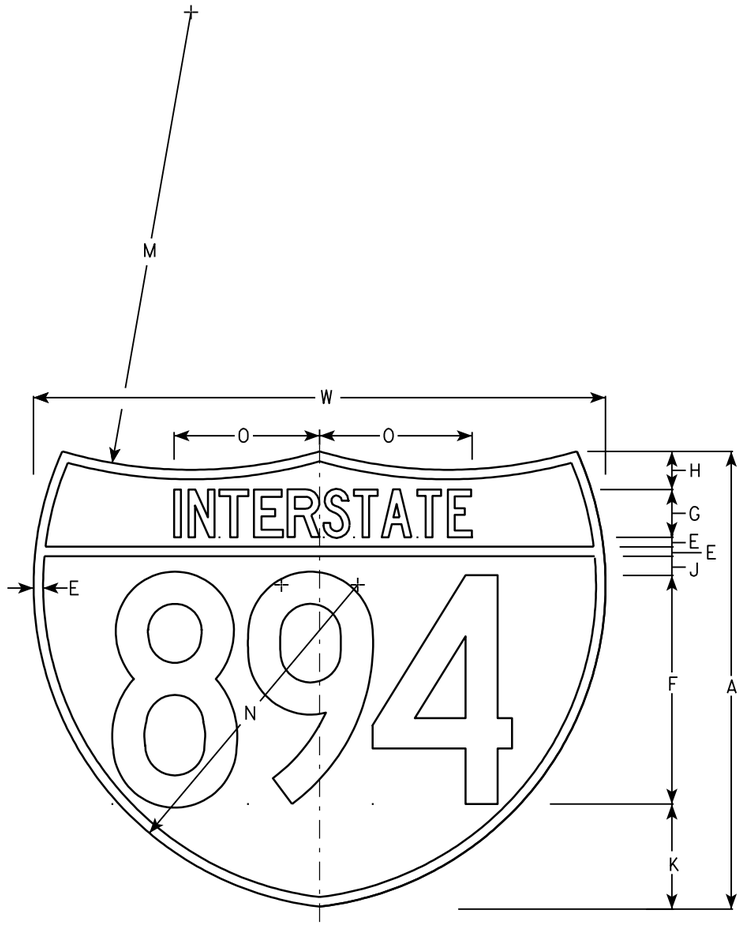
APPROVED Chester J Spang for State Traffic Engineer

DATE 1/25/02 PLATE NO. I5-1.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 793	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

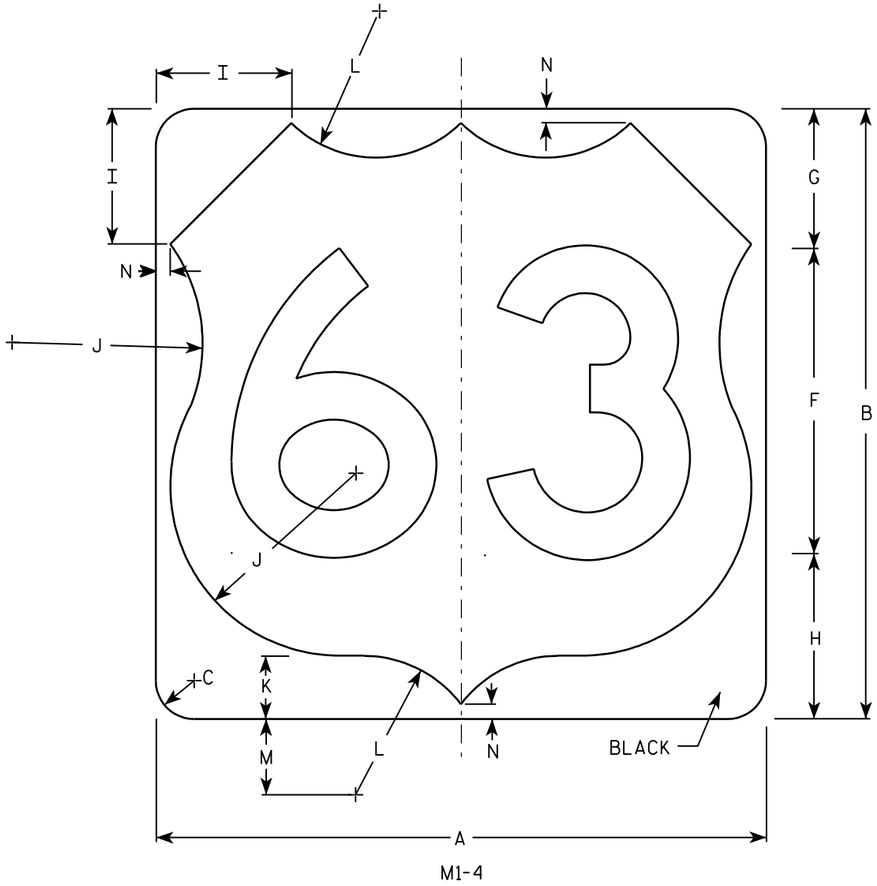
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

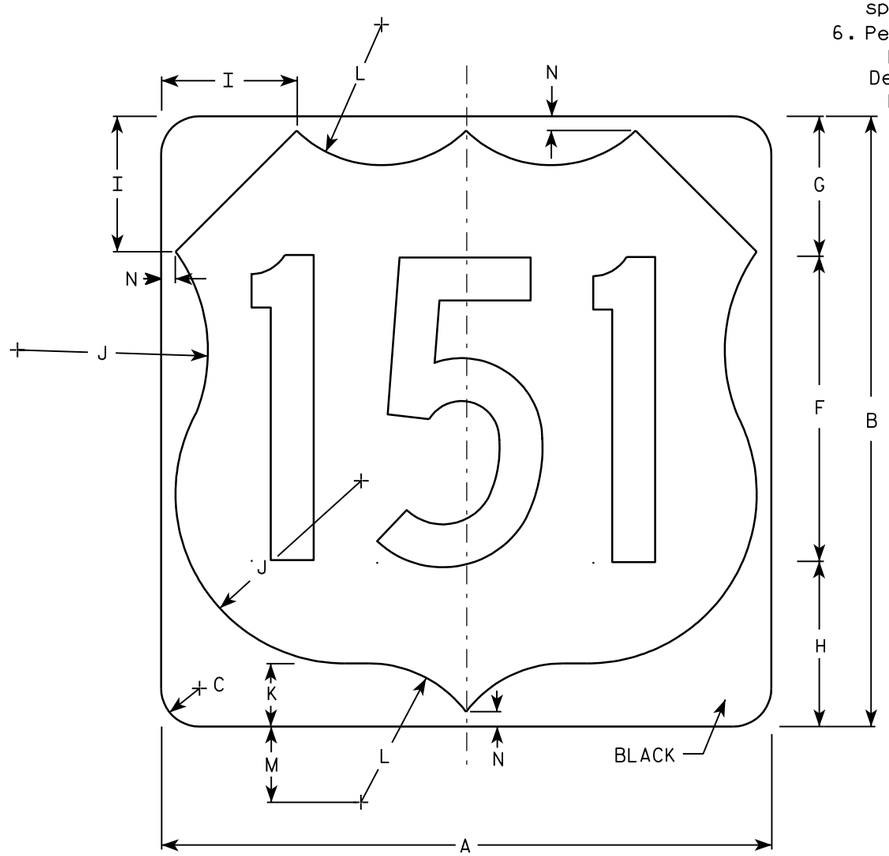
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 794	E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

7

7

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq. sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

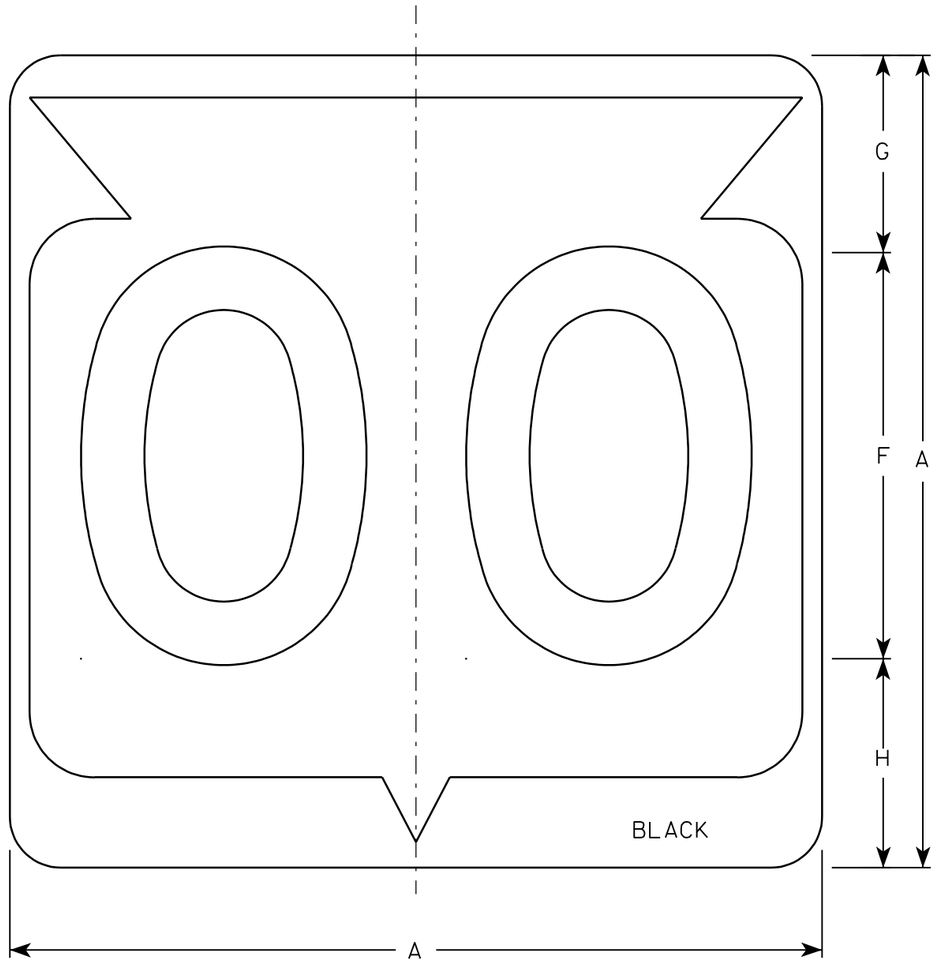
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/25/05 PLATE NO. M1-4.9

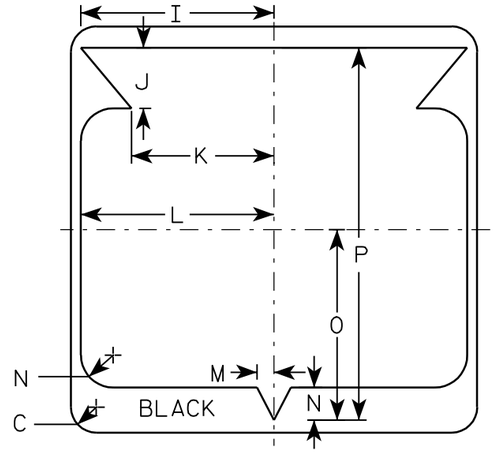
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 795 | E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

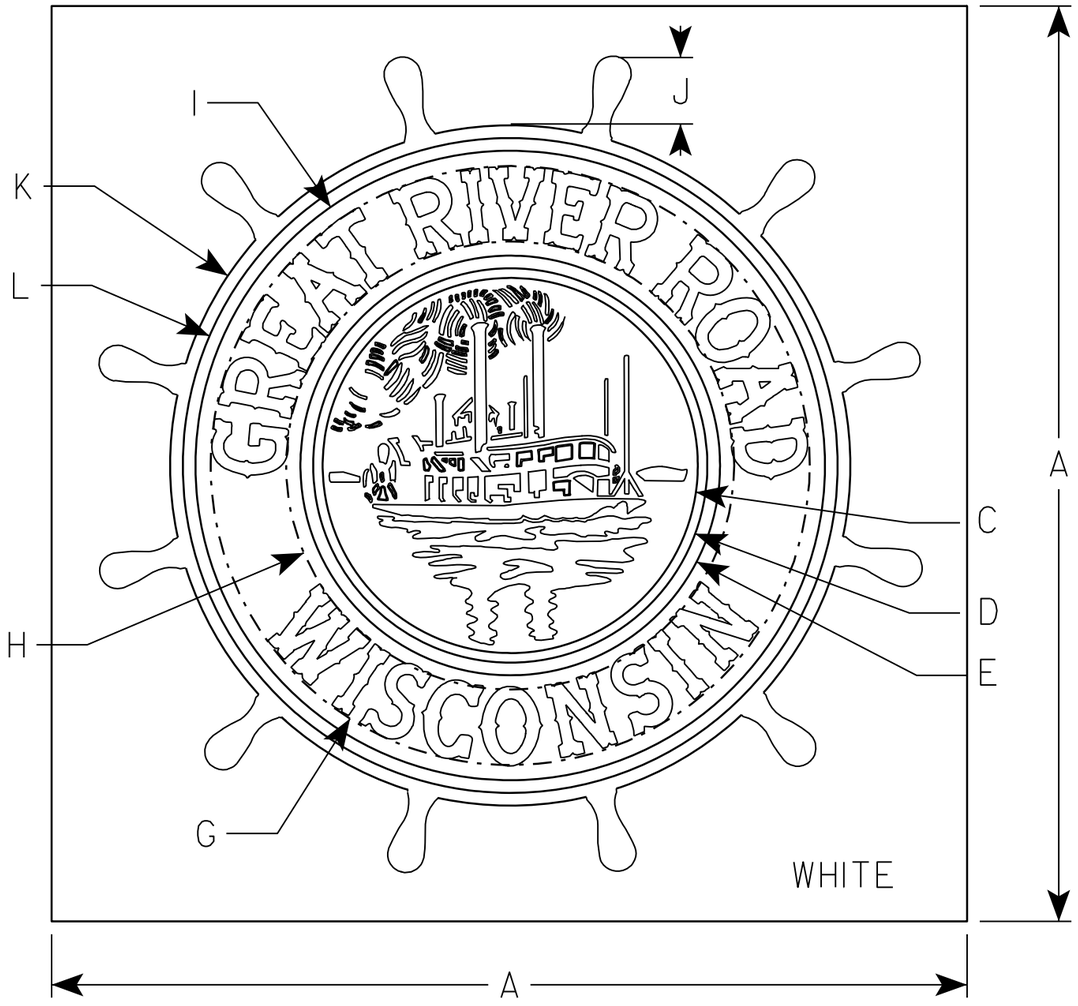
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

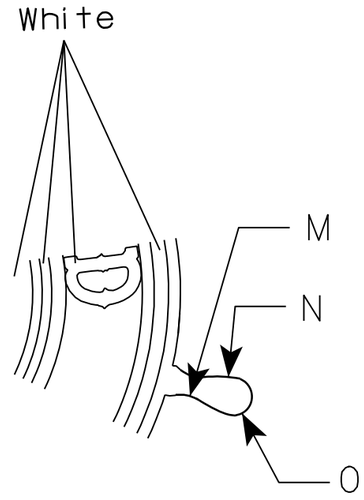
DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 796	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Words - White - Graphics - Green
3. Message Series - Special
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		R 5	R 5 1/4	R 5 1/2		R 7 7/8	R 5 7/8	R 8 1/2	1 3/4	R 4 1/2	R 8 1/2	R 7/8	R 3 1/2	R 1/2												4.0
3																											
4	36		R 7 3/8	R 7 3/4	R 8 1/4		R 11 3/4	R 8 3/4	R 12 3/8	2 5/8	R 13 3/8	R 12 7/8	R 1 3/8	R 5 1/4	R 3/4												9.0
5																											

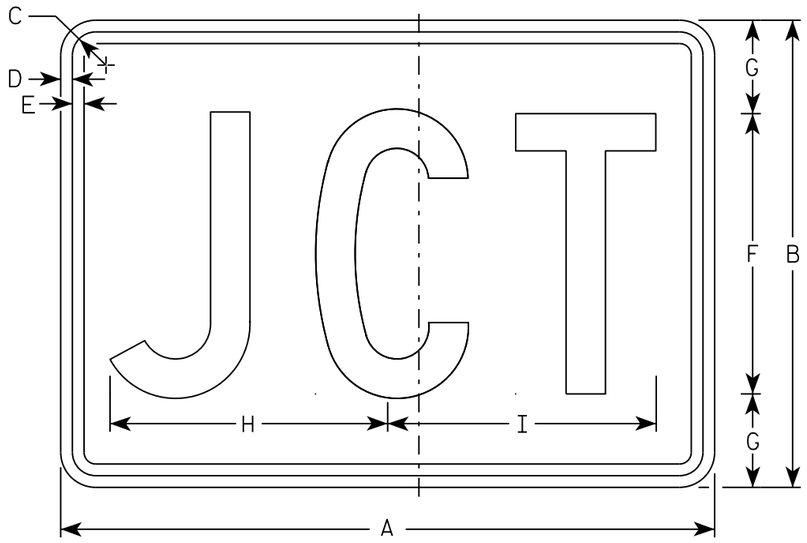
STANDARD SIGN
M1-96

WISCONSIN DEPT OF TRANSPORTATION

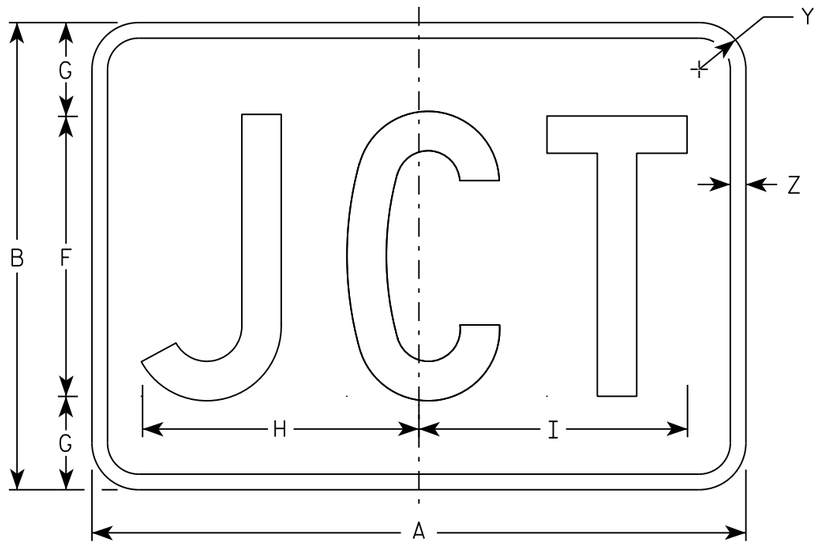
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/10 PLATE NO. M1-96.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 797	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

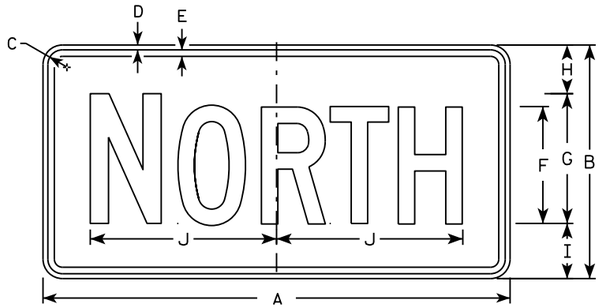
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

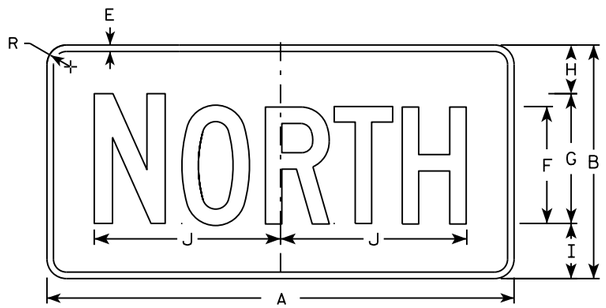
DATE 10/15/15 PLATE 798 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



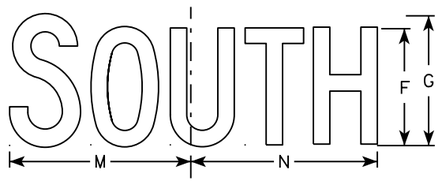
MB3-1
MK3-1
MN3-1



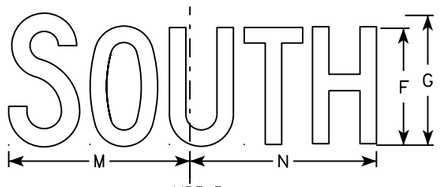
M3-2
MM3-2
MP3-2



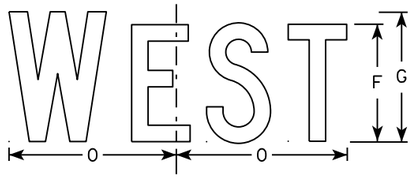
MB3-2
MK3-2
MN3-2



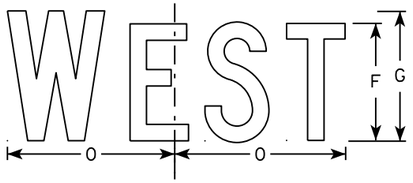
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

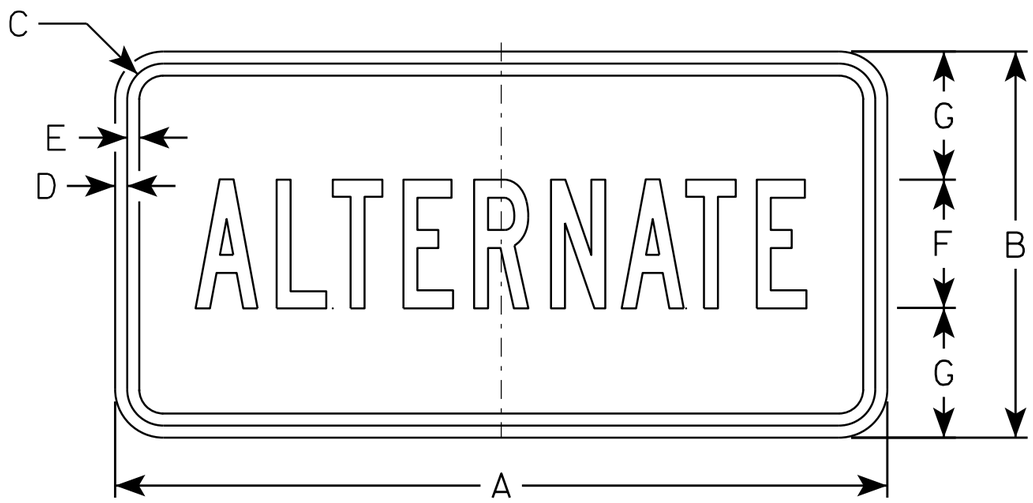
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

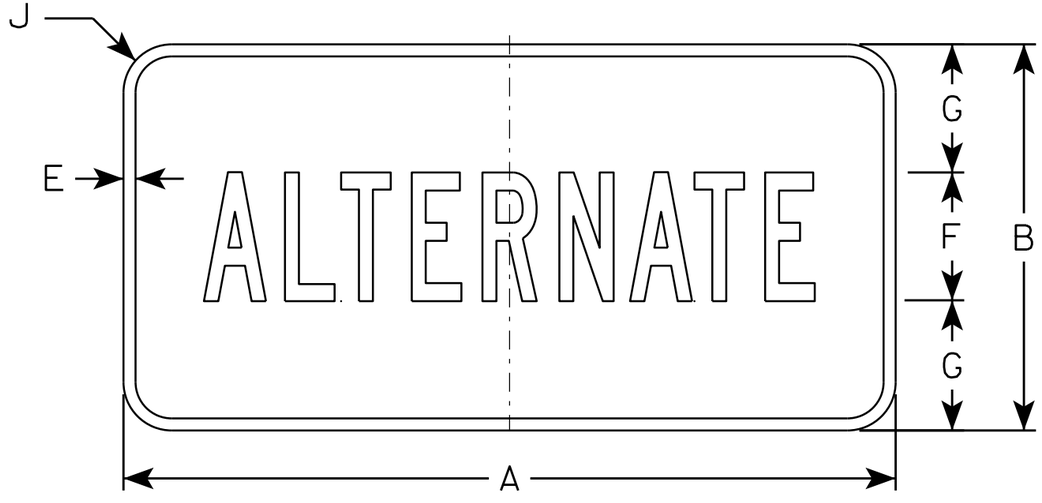
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 800 '14-1.8

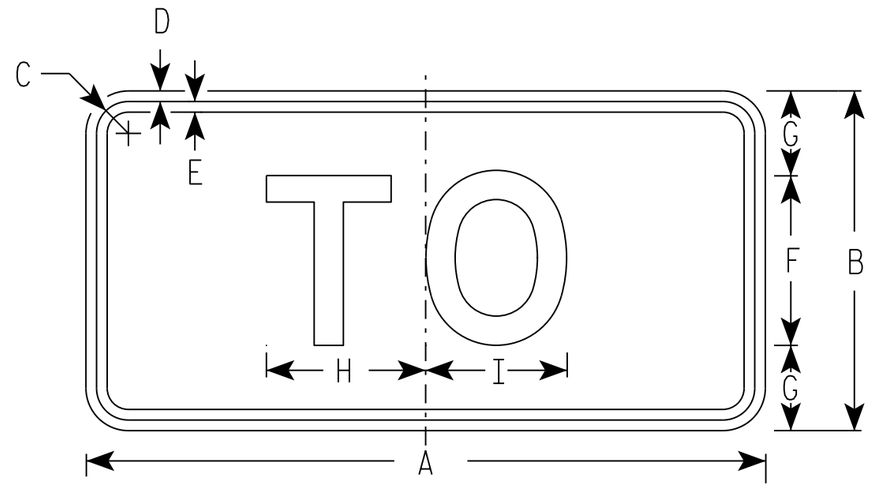
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M41.DGN PLOT DATE : 30-JUN-2014 15:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 4.708937:1.000000

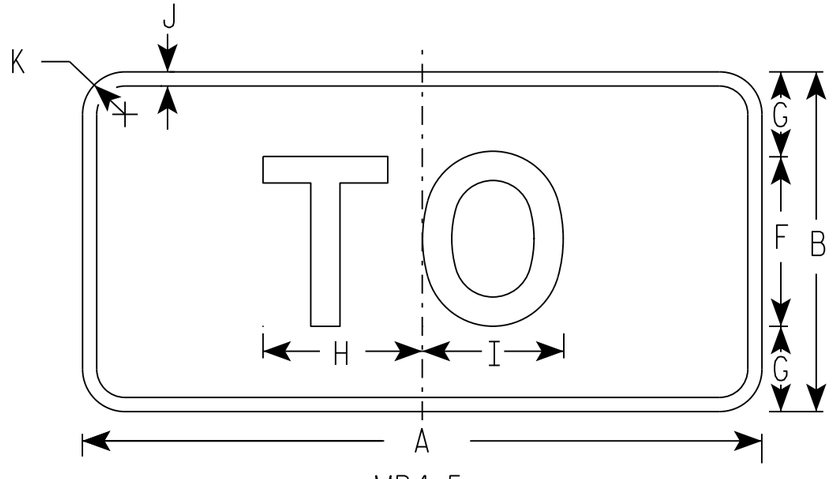
WISDOT/CADDS SHEET 42

7

7



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

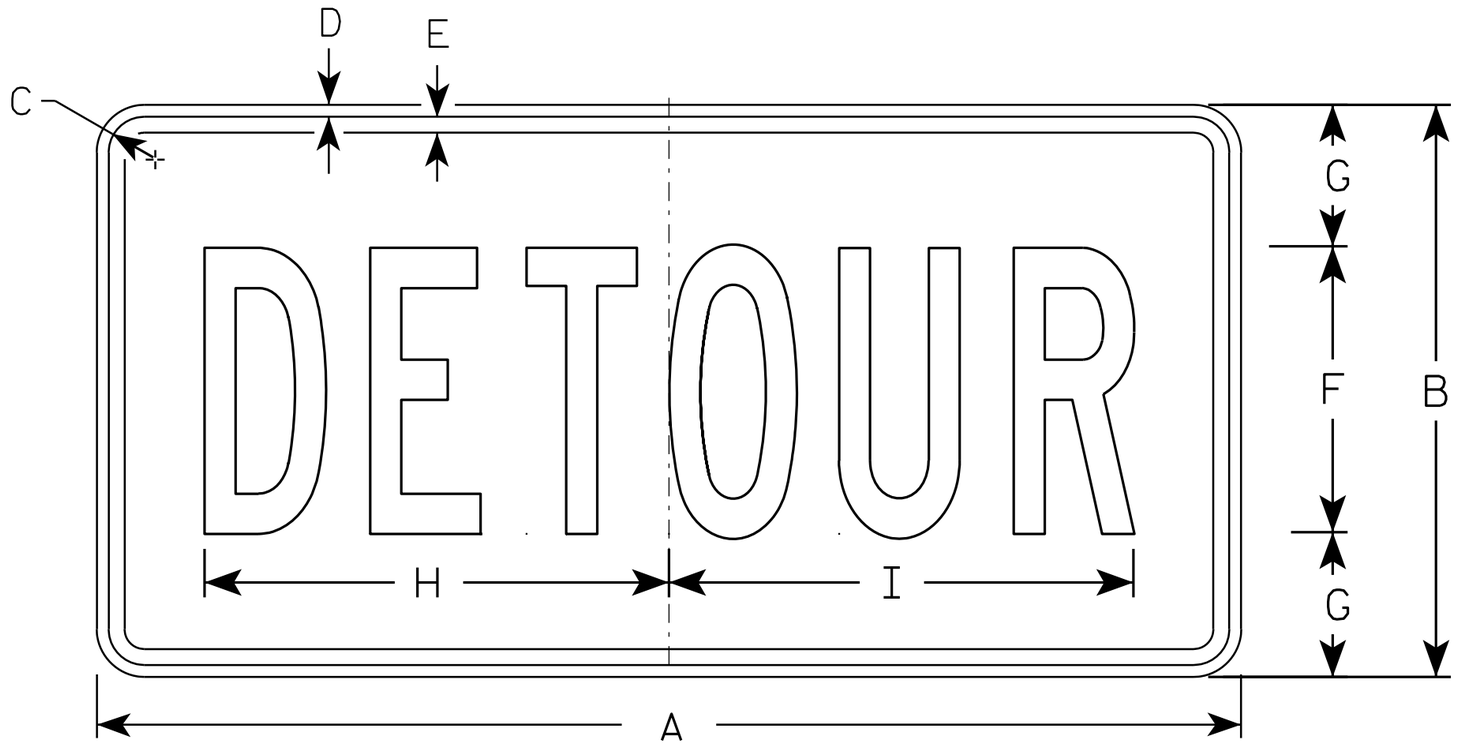
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 801 M4-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

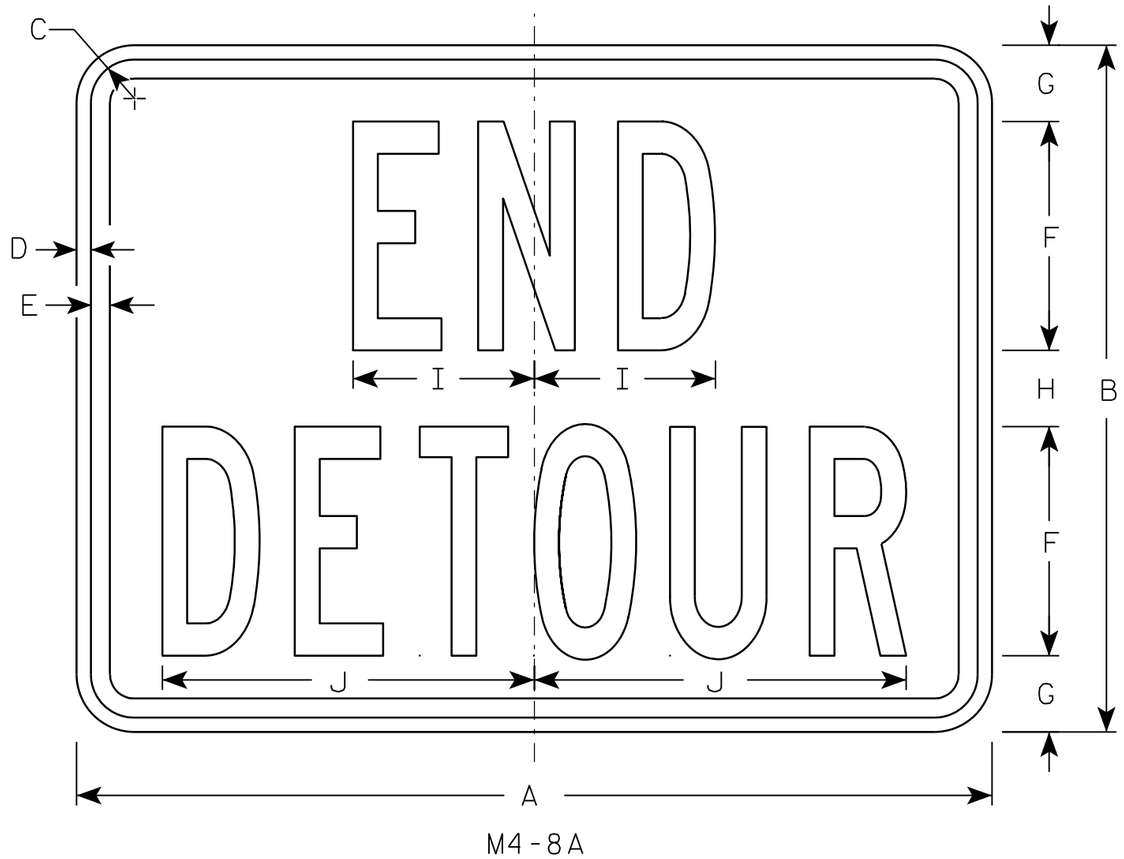
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 802	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

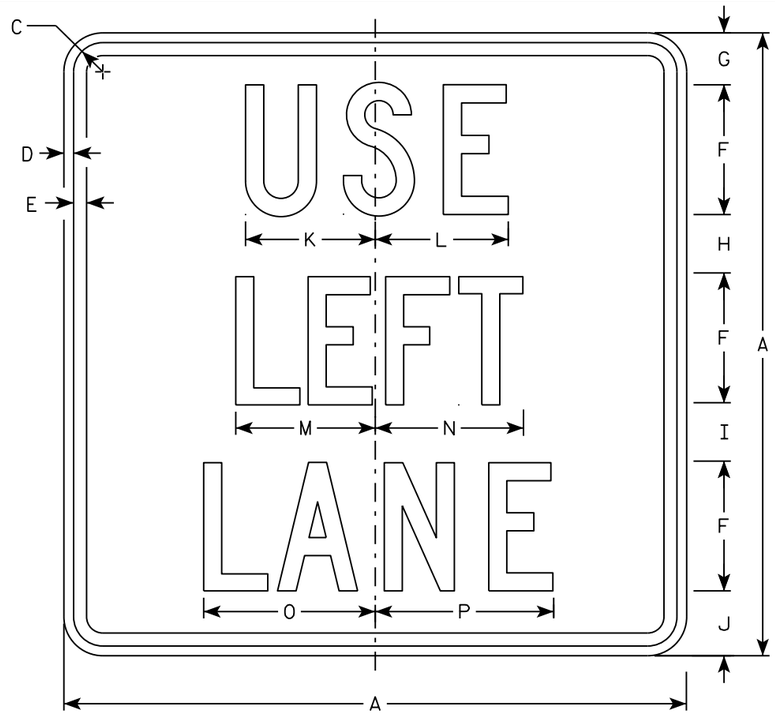
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

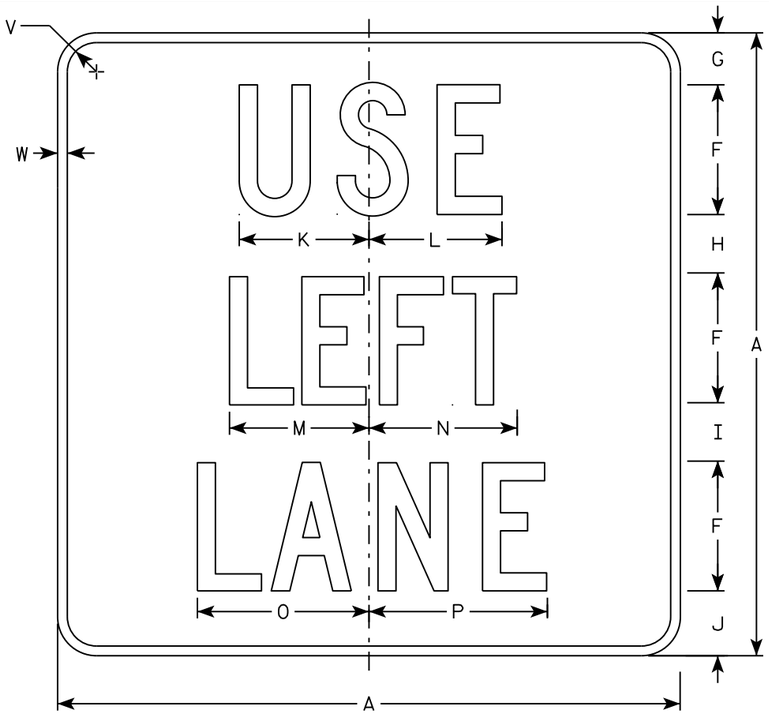
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 803	E



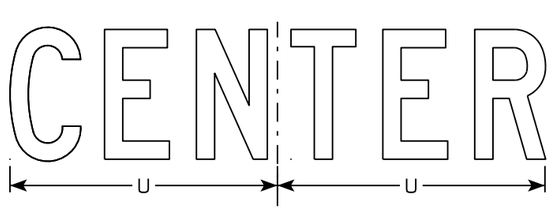
M4-20L



MB4-20L

M4-20L
MM4-20L
M04-20L
MP4-20L

MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
M04-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
M04-20R
MP4-20R
MR4-20R

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-20 Background - White
   Message - Black
   MB4-20 Background - Blue
   Message - White
   MK4-20 Background - Green
   Message - White
   MM4-20 Background - White
   Message - Green
   MN4-20 Background - Brown
   Message - White
   M04-20 Background - Orange - Type F Reflective
   Message - Black
   MP4-20 Background - White
   Message - Blue
   MR4-20 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4																											
5																											

STANDARD SIGN
M4-20

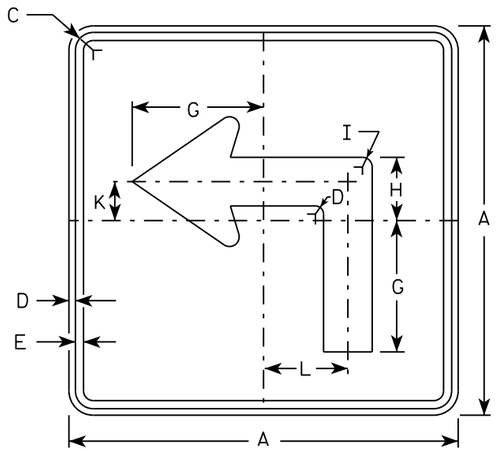
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

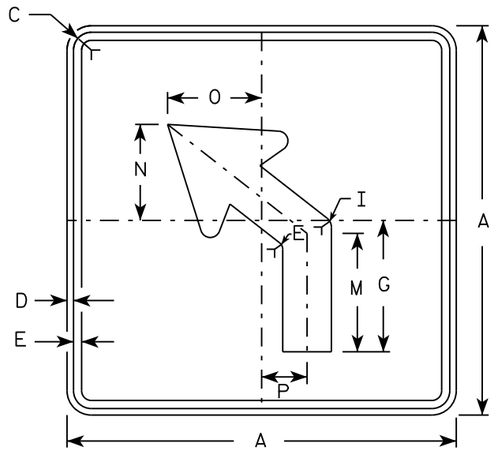
DATE 10/15/15 PLATE NO M4-20.5
804

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

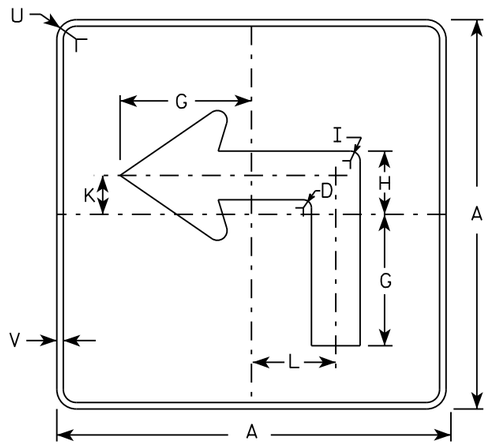
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M420.DGN PLOT DATE : 01-DEC-2015 18:03 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



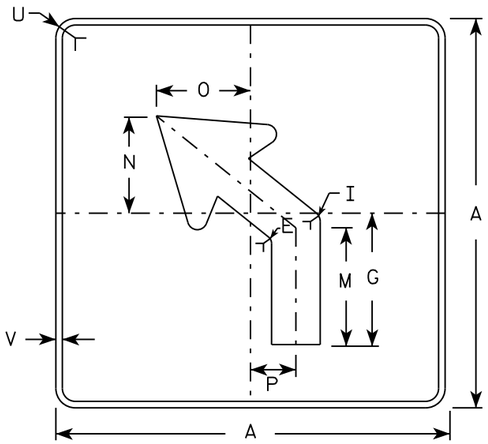
M5-1L
MM5-1L
MO5-1L
MP5-1L



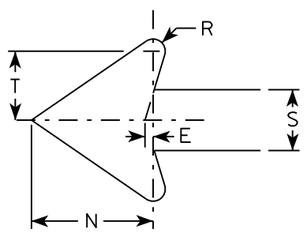
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

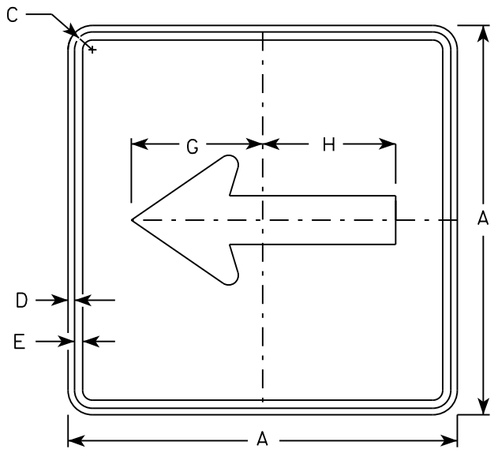
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

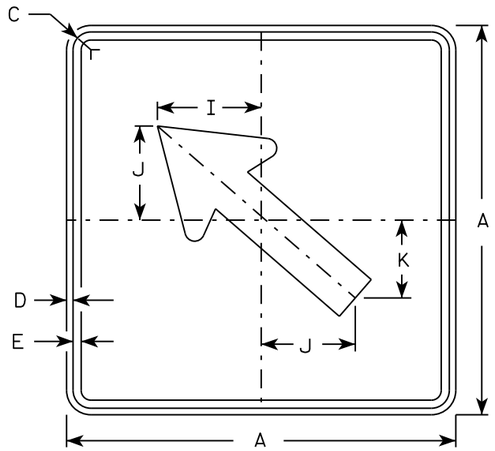
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



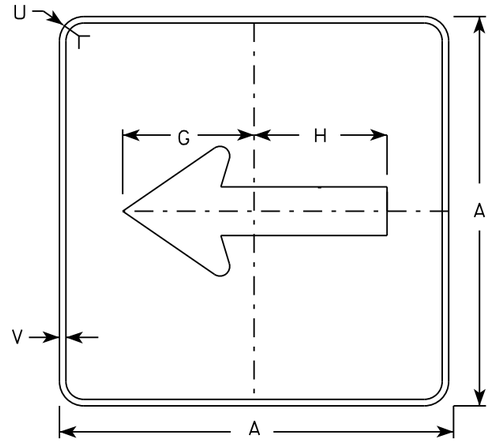
M6-1
MM6-1
MO6-1
MP6-1



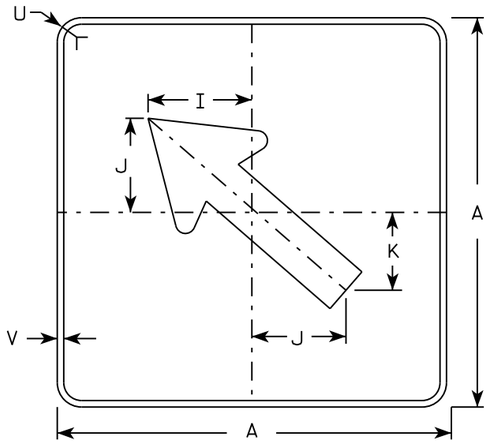
M6-2
MM6-2
MO6-2
MP6-2

NOTES

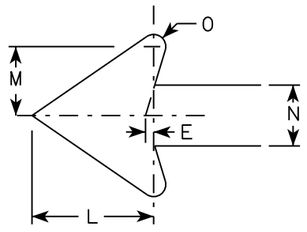
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

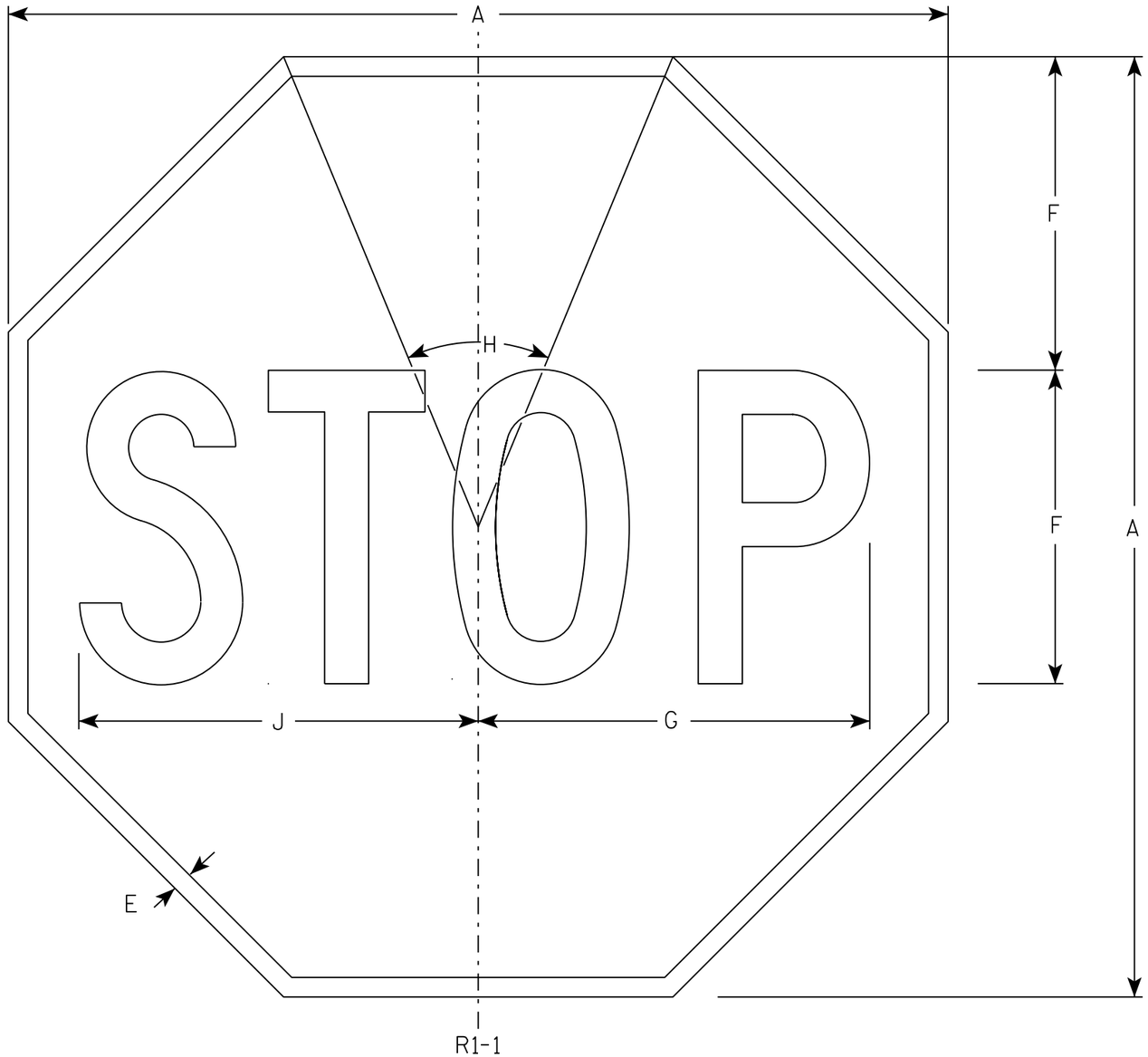
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 806 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

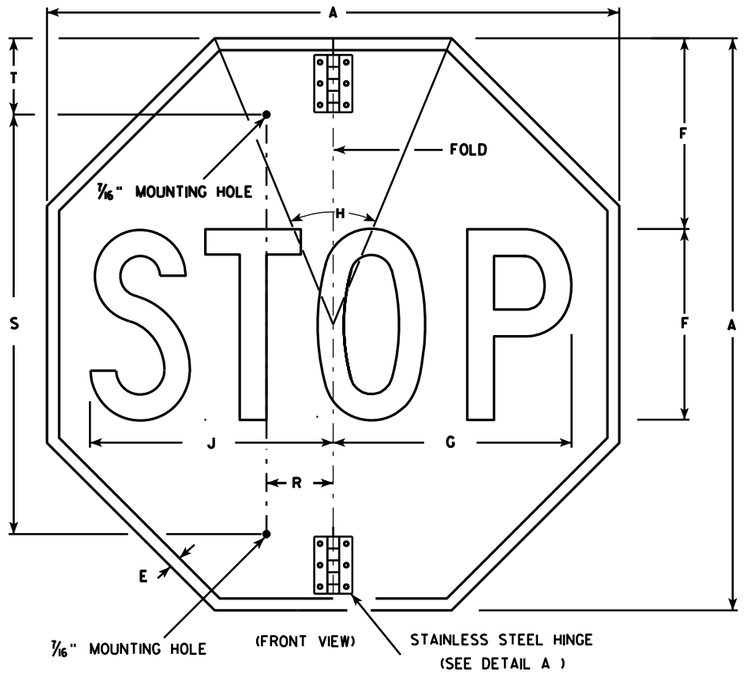
WISCONSIN DEPT OF TRANSPORTATION

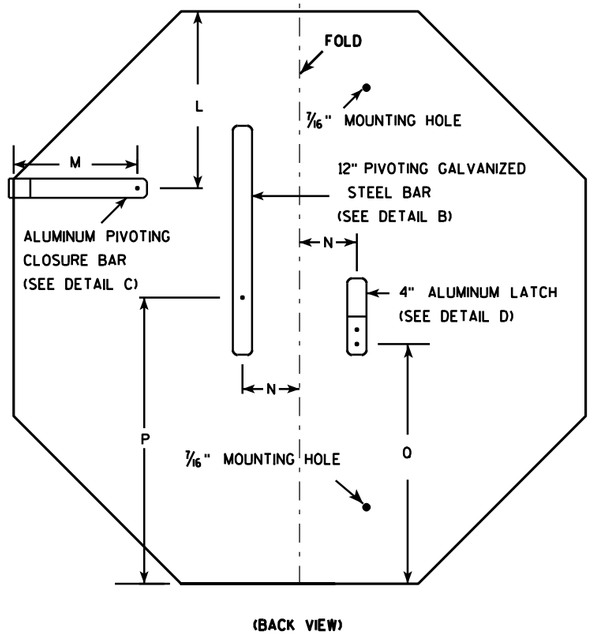
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 807 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

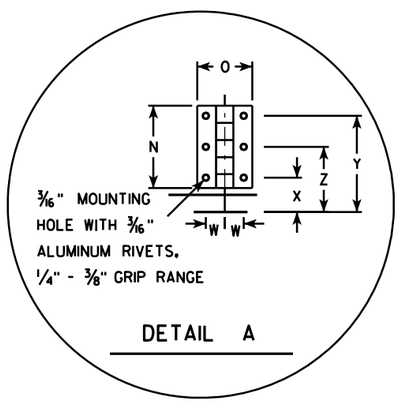
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



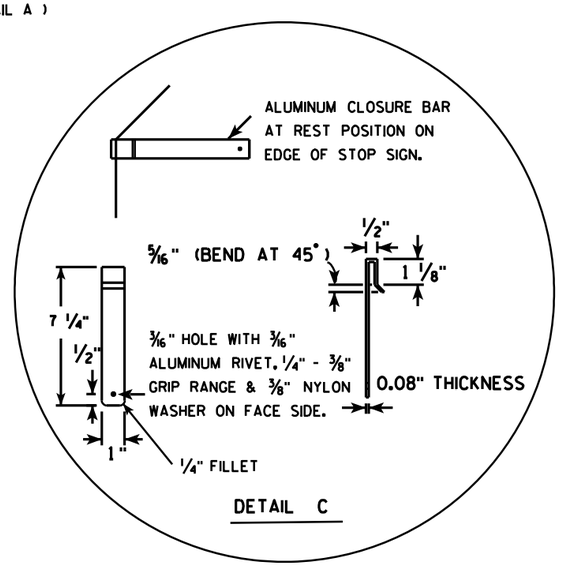


NOTES

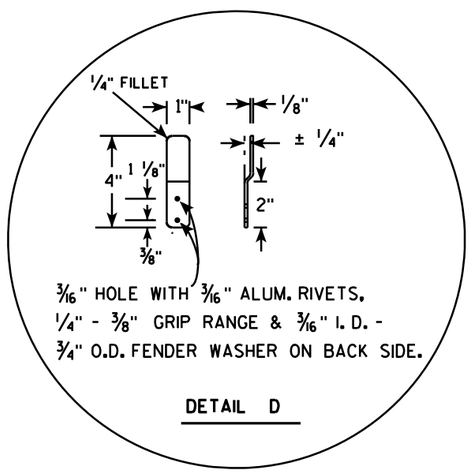
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



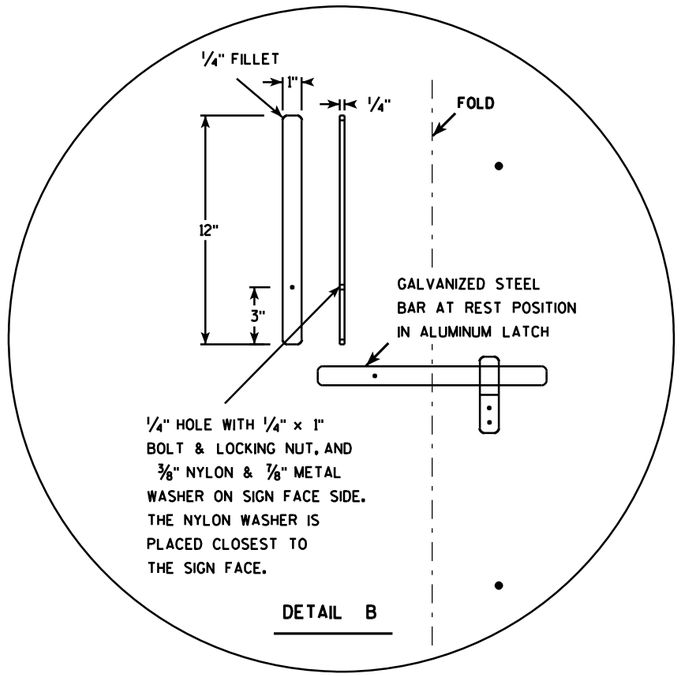
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

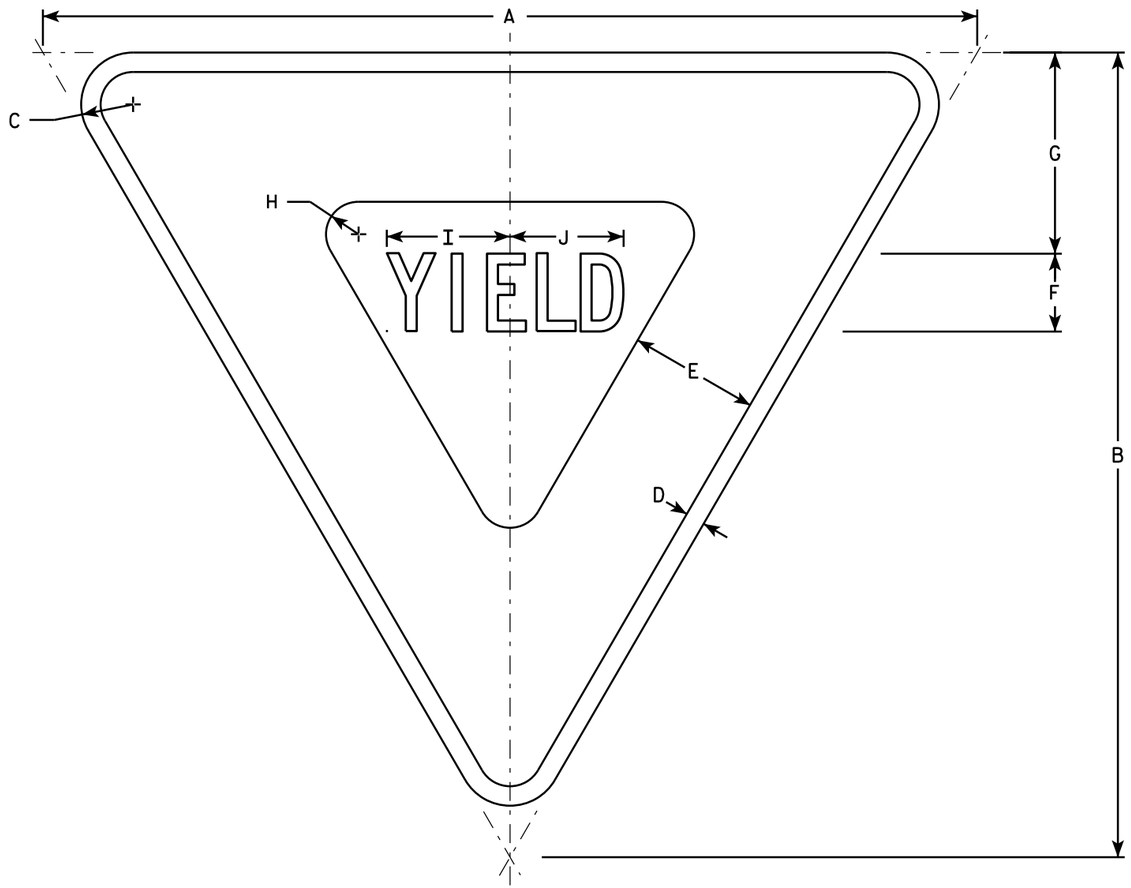
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 808	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

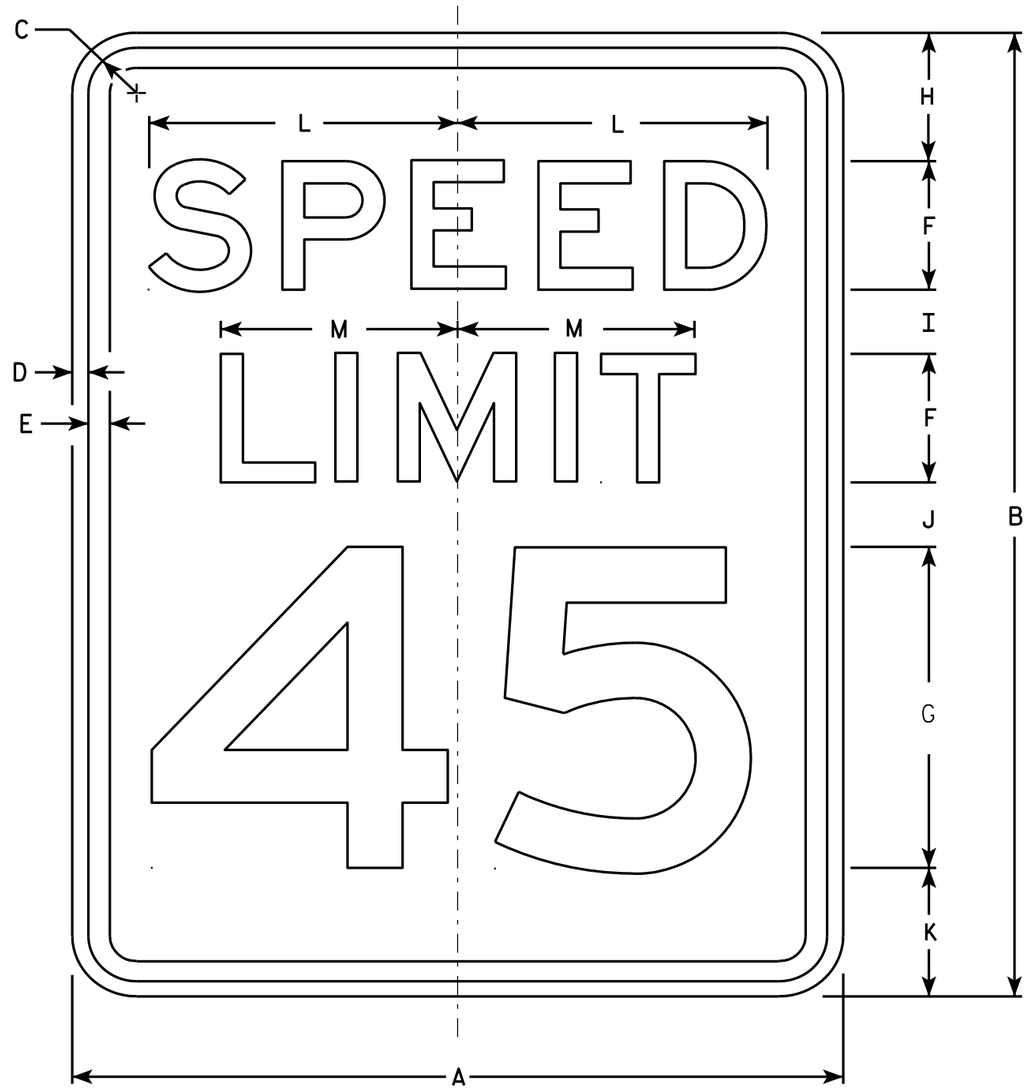
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

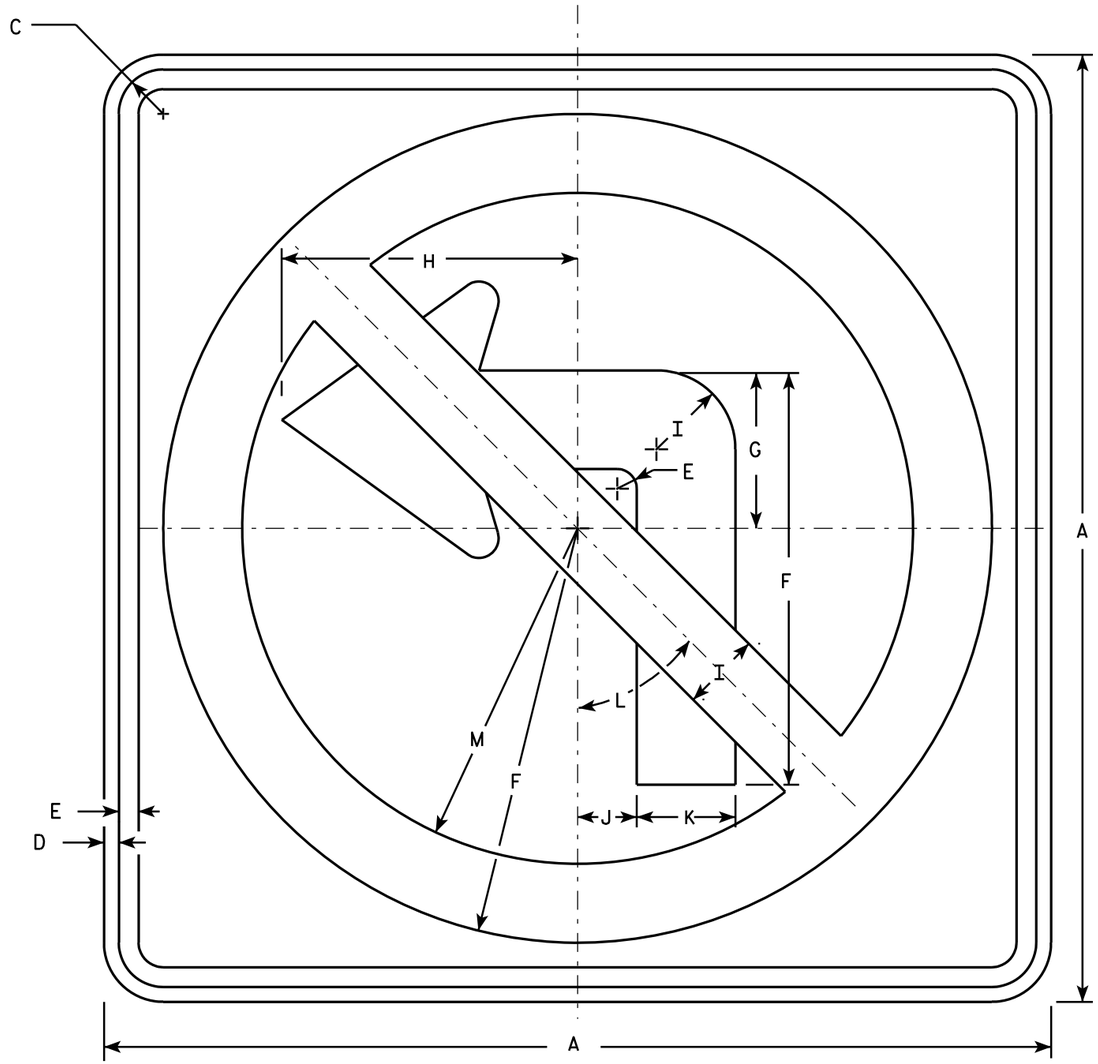
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

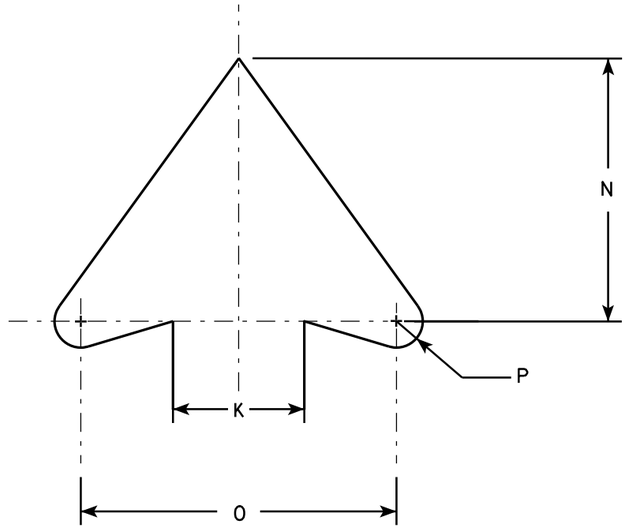
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 810	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

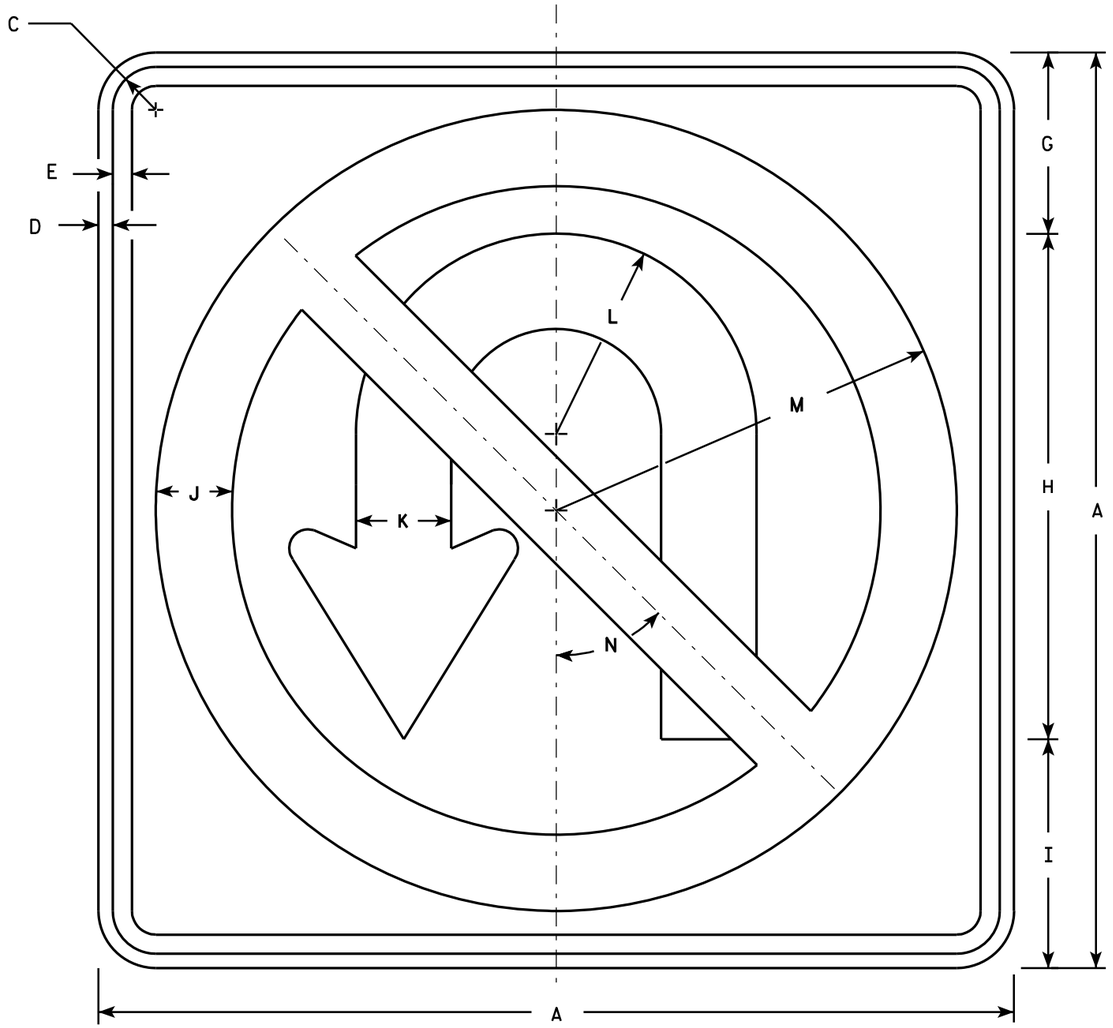
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

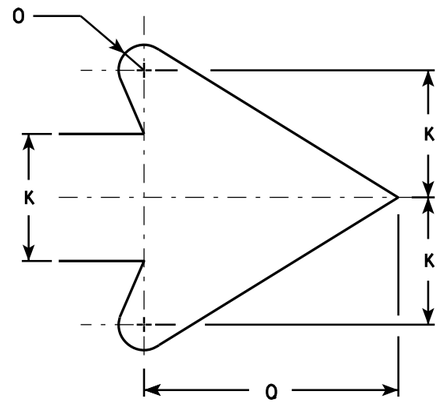
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 811	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

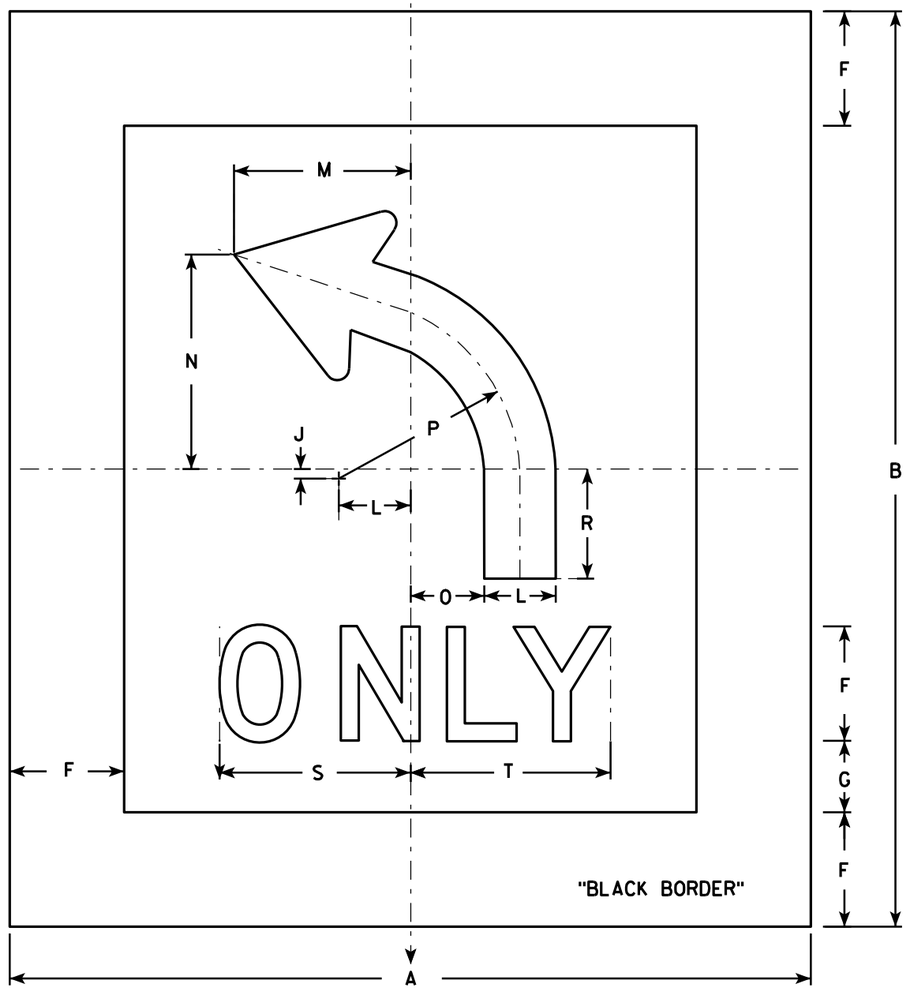
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

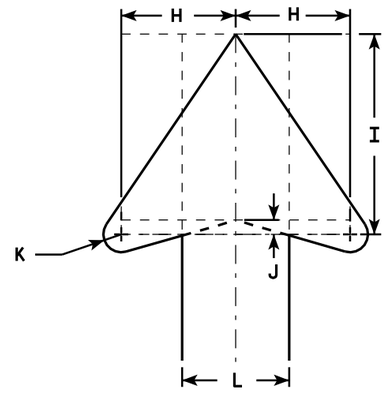
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 812	E



R3-5L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

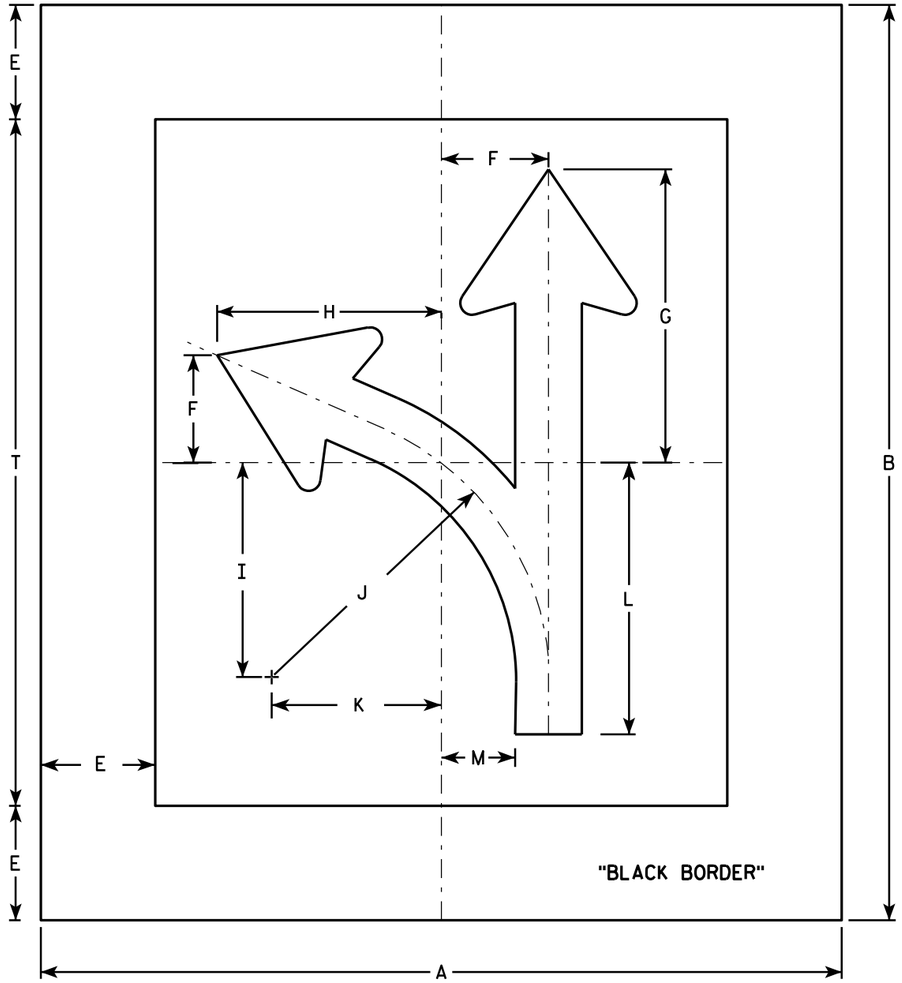
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

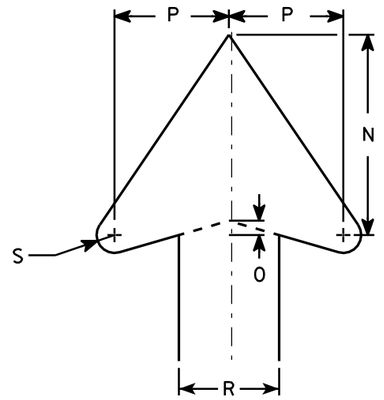
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 813 | E



R3-6L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

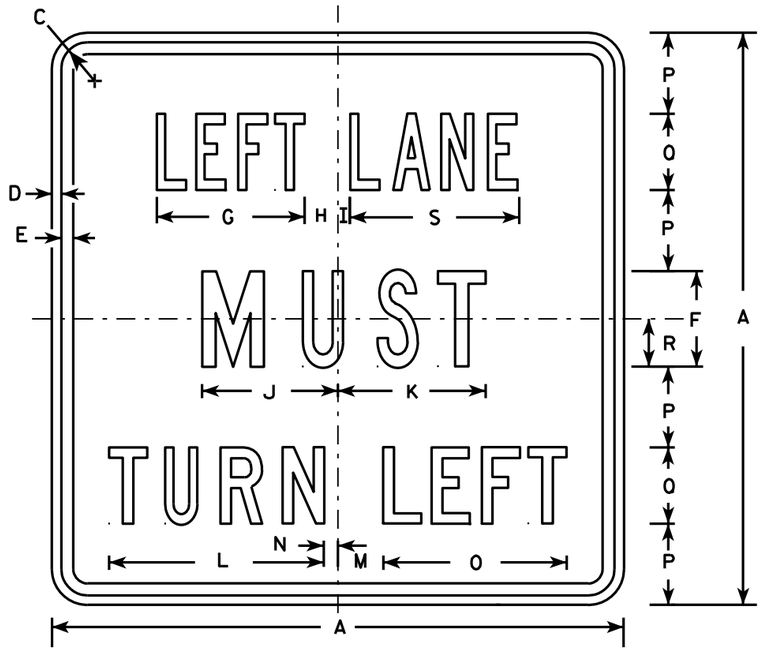
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

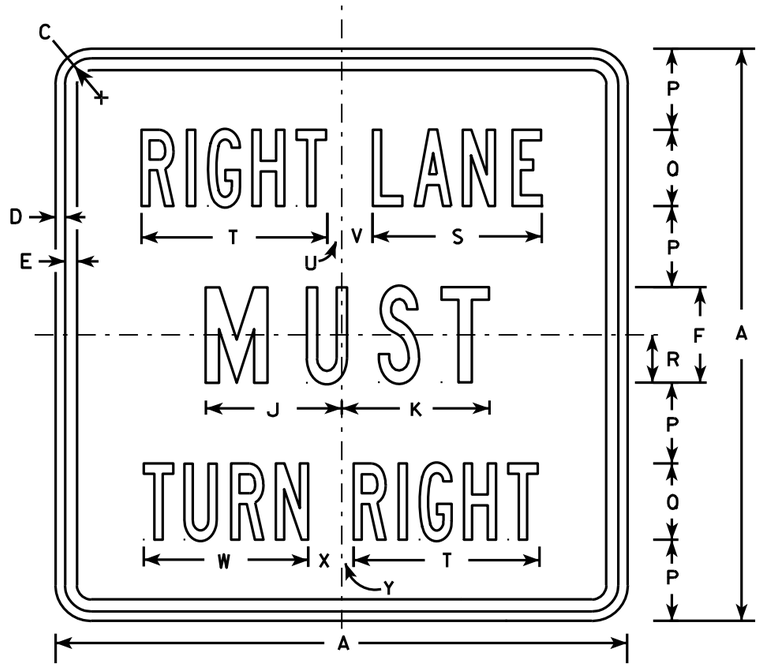
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 814 | E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

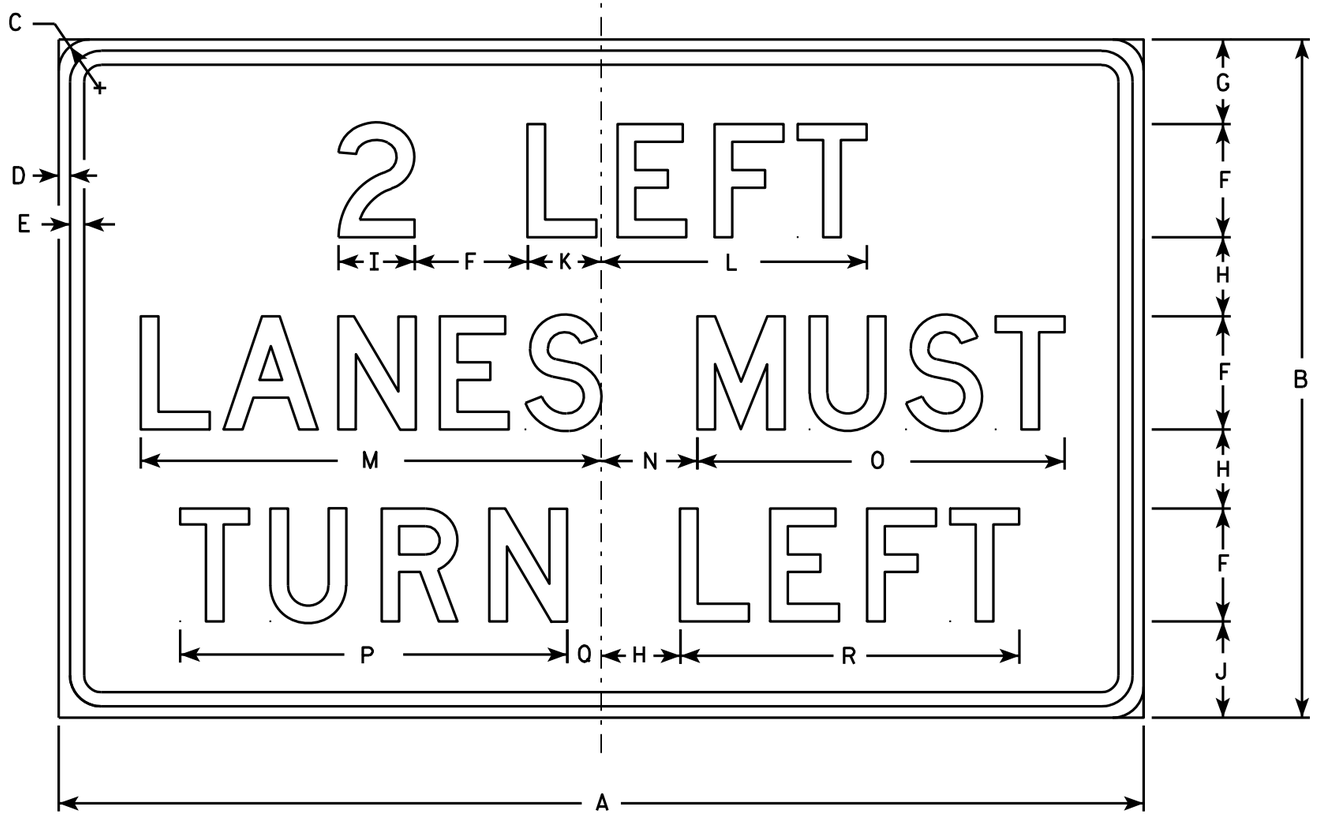
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 815 | E



R3-7S

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
2S	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
2M	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
3																											
4																											
5																											

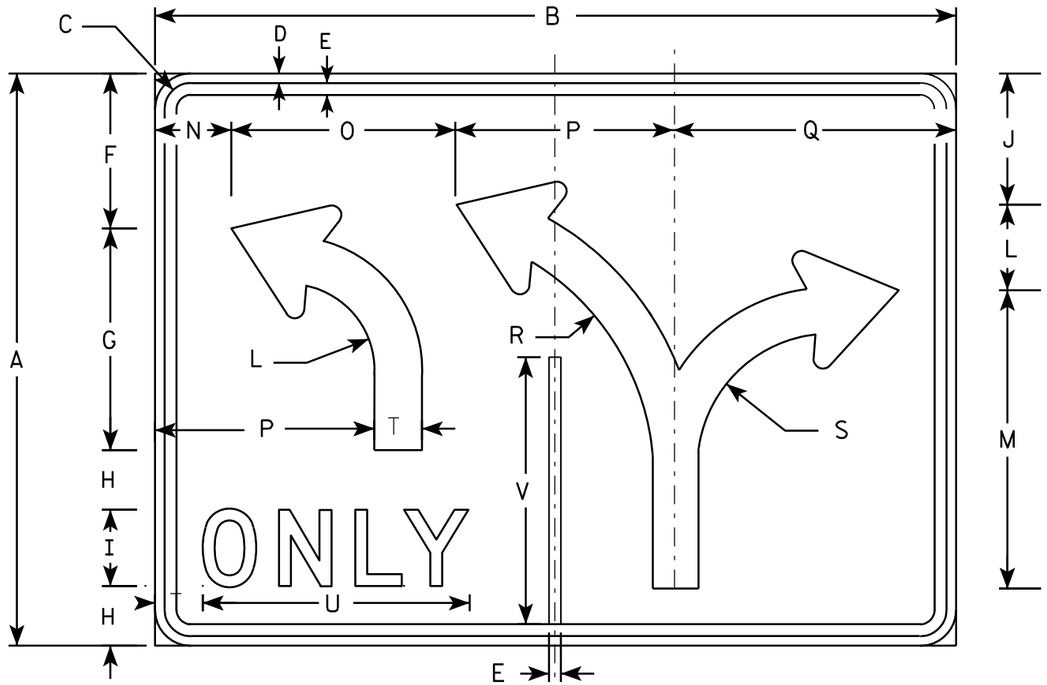
STANDARD SIGN
R3-7S

WISCONSIN DEPT OF TRANSPORTATION

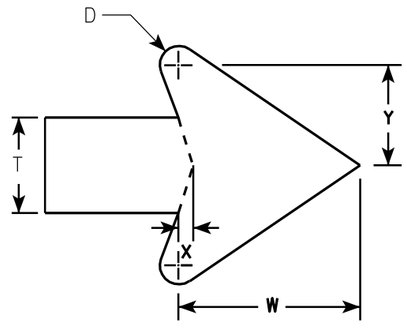
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7S.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 816 | E



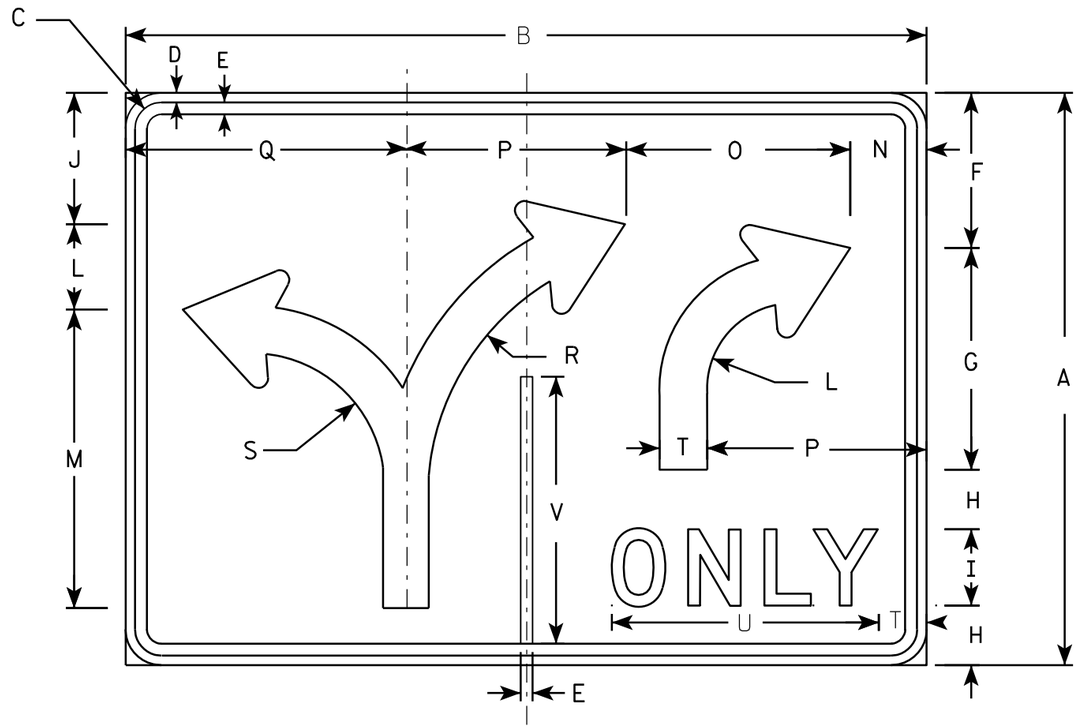
R3-8AA



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8BB

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	6 7/8		4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
2M	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	6 7/8		4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
3																											
4	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	10 1/2		7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0
5	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	10 1/2		7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0

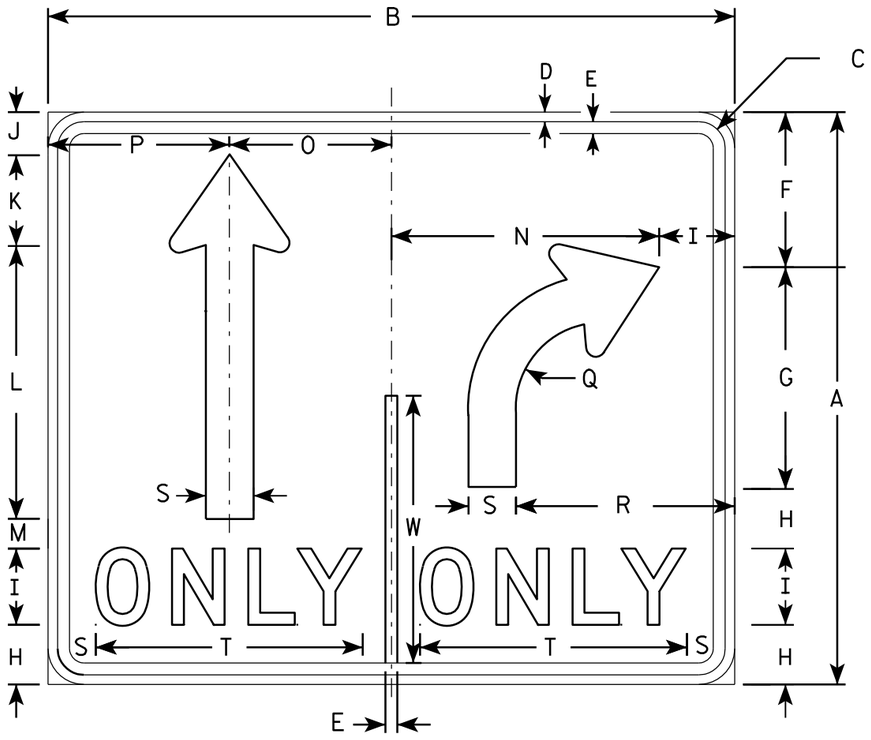
STANDARD SIGN
R3-8AA & R3-8BB

WISCONSIN DEPT OF TRANSPORTATION

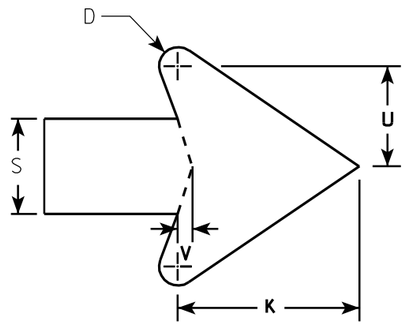
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8AA.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 817	E



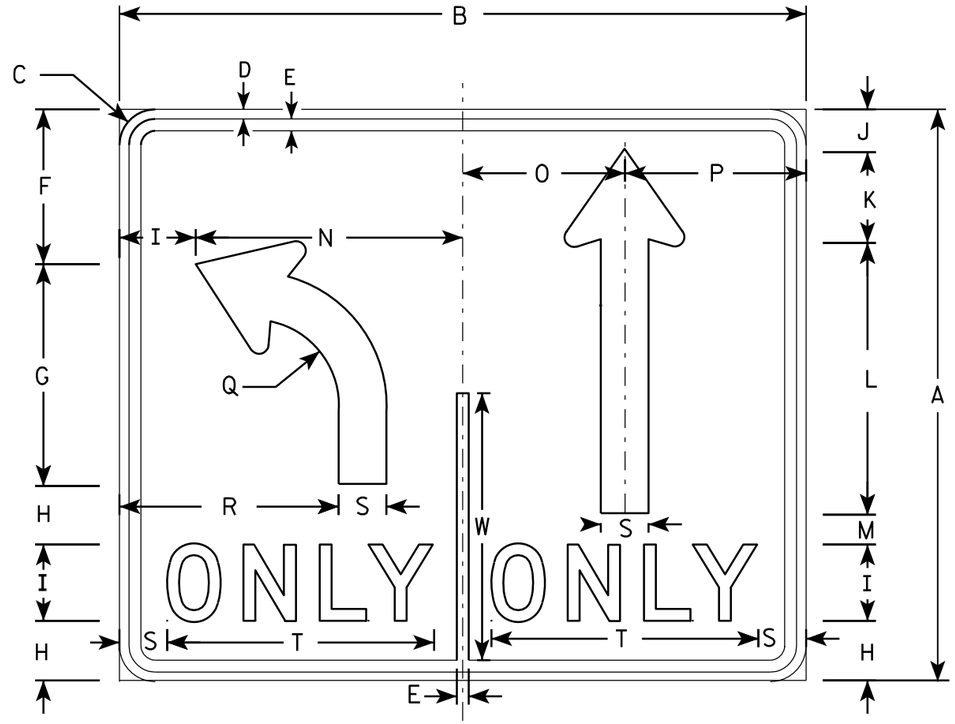
R3-8D



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0

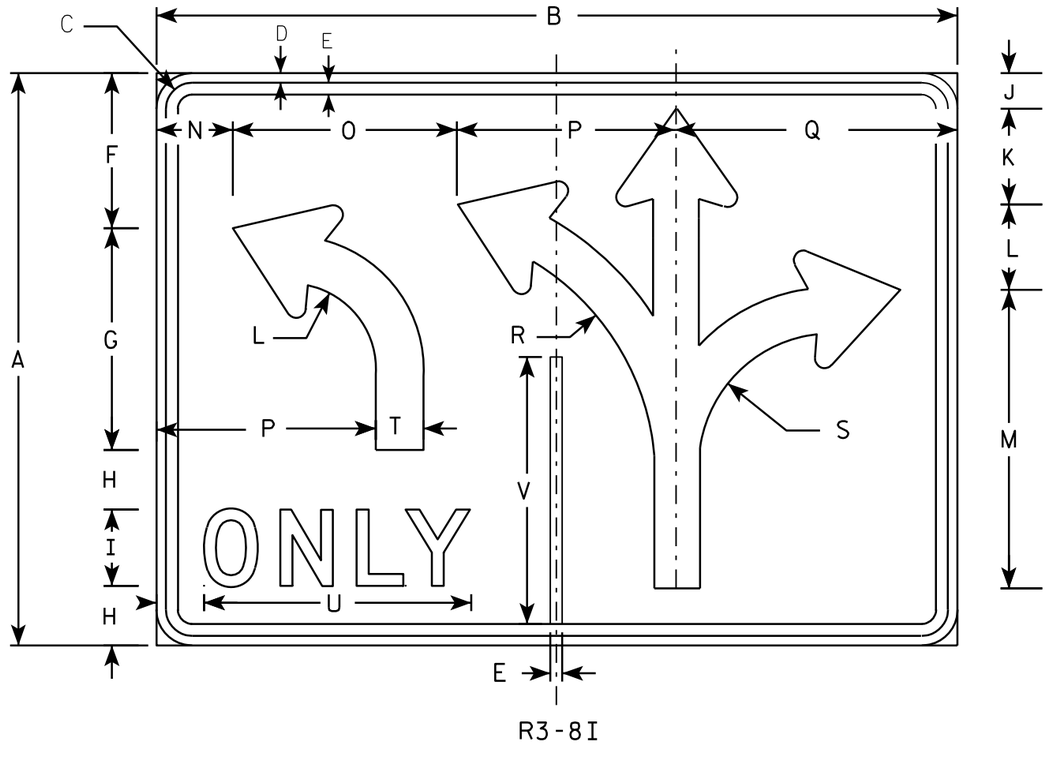
STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

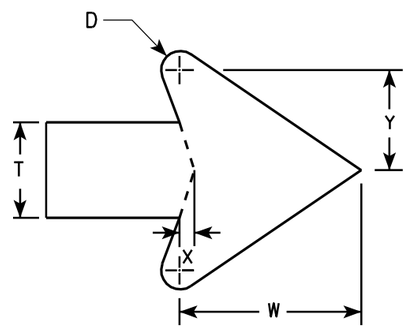
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 818	E



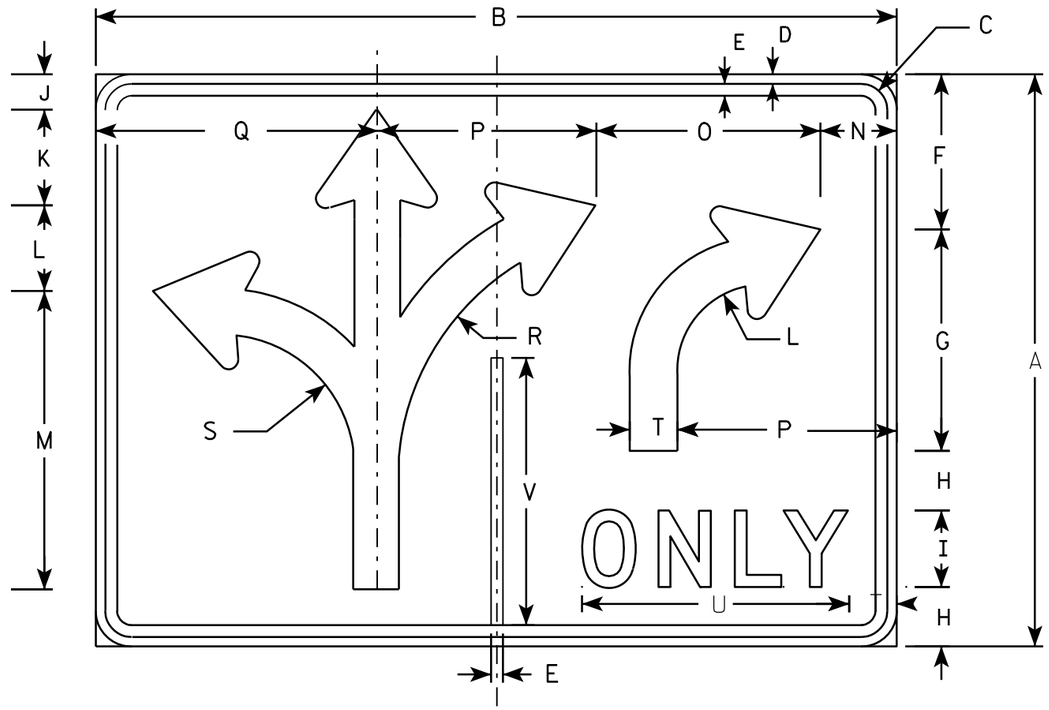
R3-8I



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8J

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
2M	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
3																											
4	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/8	7 7/8	7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0
5	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/8	7 7/8	7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0

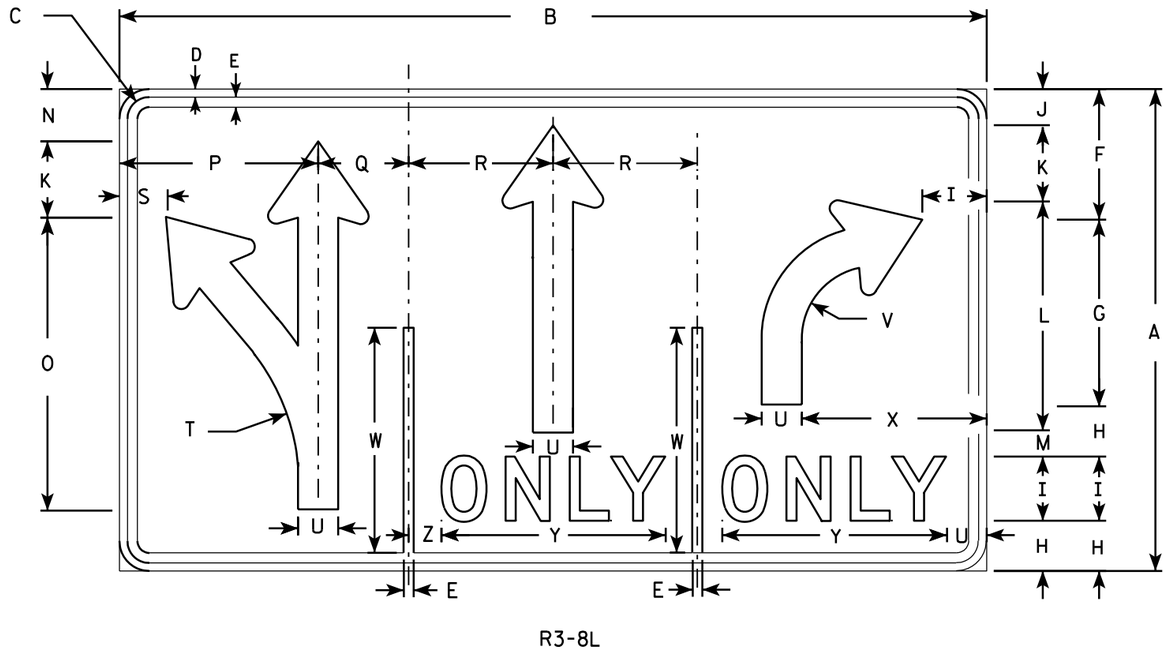
STANDARD SIGN
R3-8I & R3-8J

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8I.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 819	E

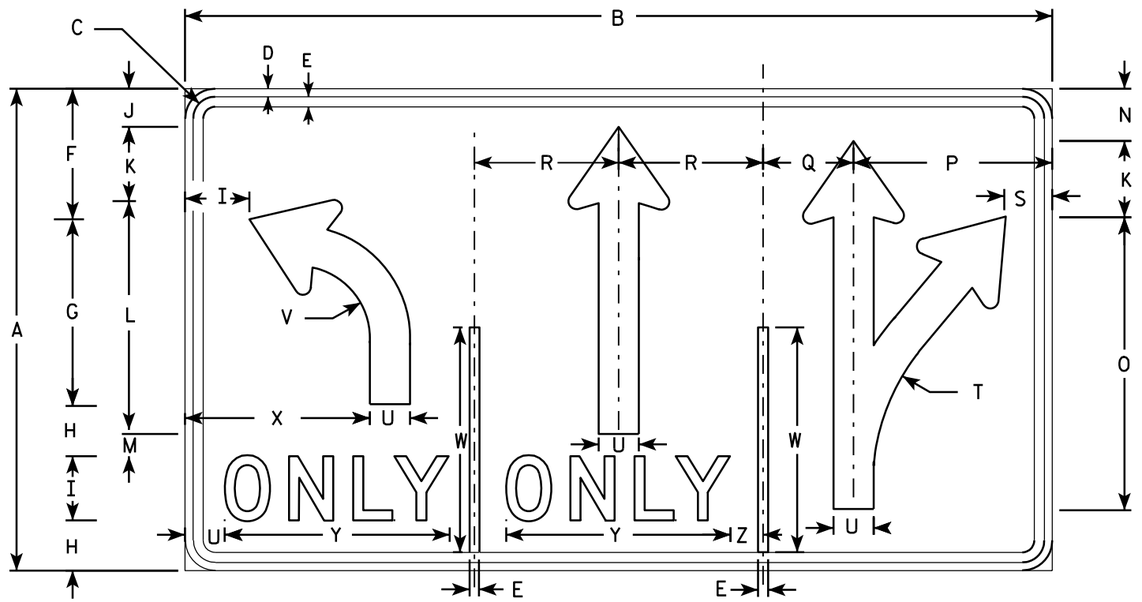


R3-8L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SEE R3-8 FOR ARROW DETAIL



R3-8M

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
3																											
4	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0
5	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0

STANDARD SIGN
R3-8L & R3-8M

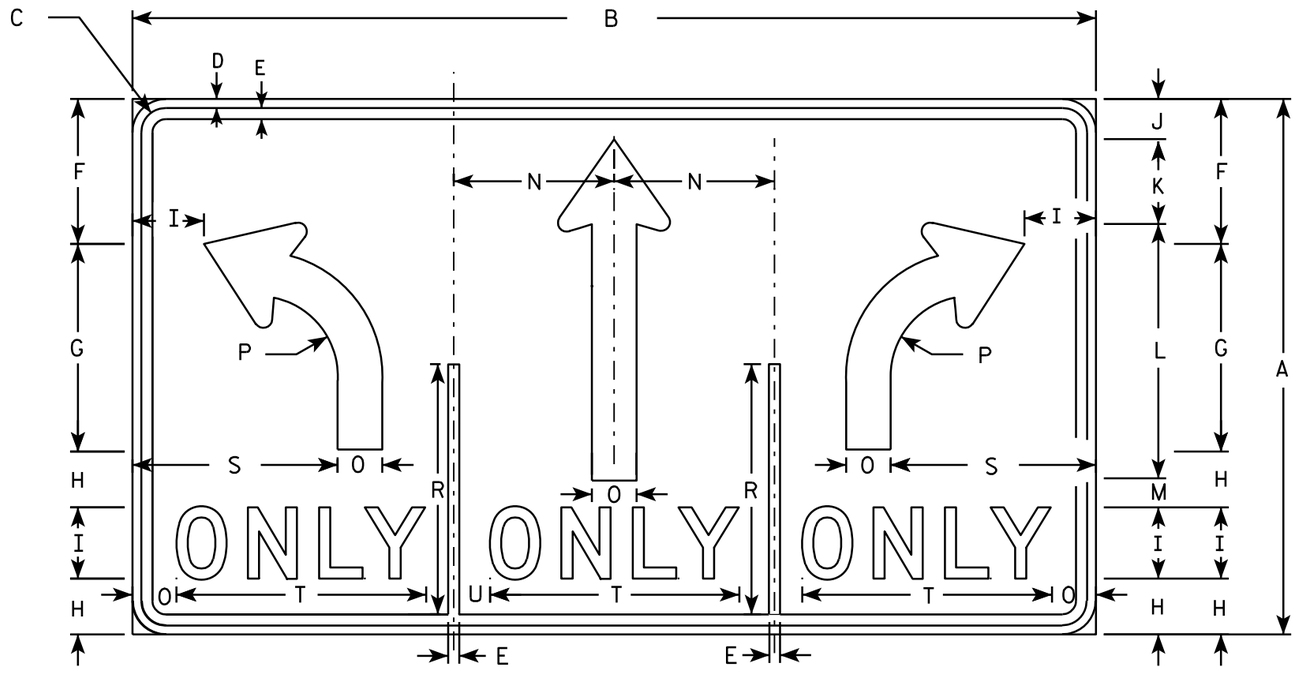
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/21/2011 PLATE NO. R3-8L.2

PROJECT NO:

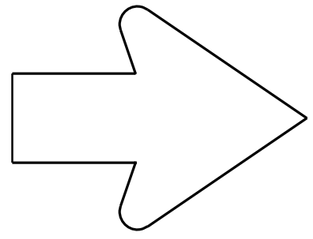
SHEET NO: 820 E



R3-8W

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SEE R3-8 FOR ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
3																											
4	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0
5	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 7/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0

STANDARD SIGN
R3-8W

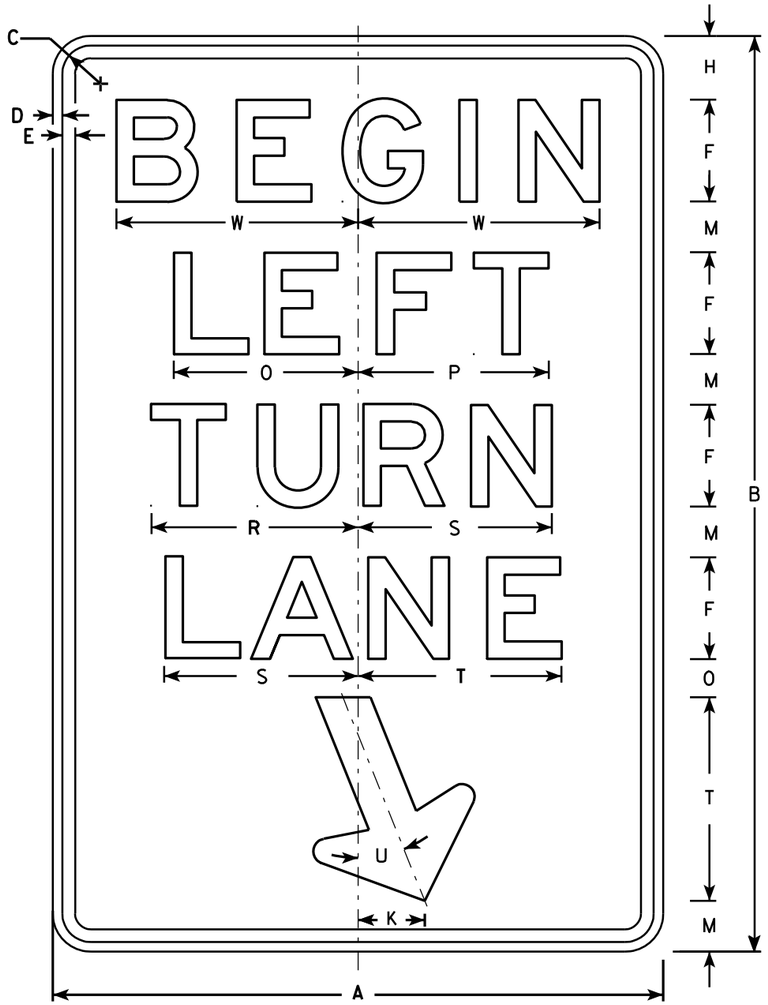
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-8W.4

PROJECT NO:

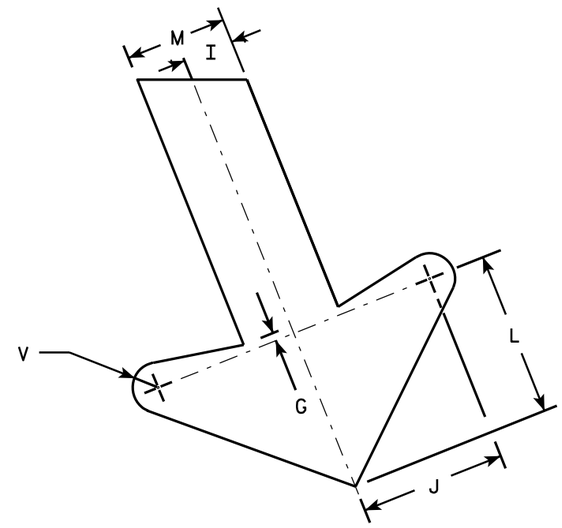
SHEET NO: 821 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

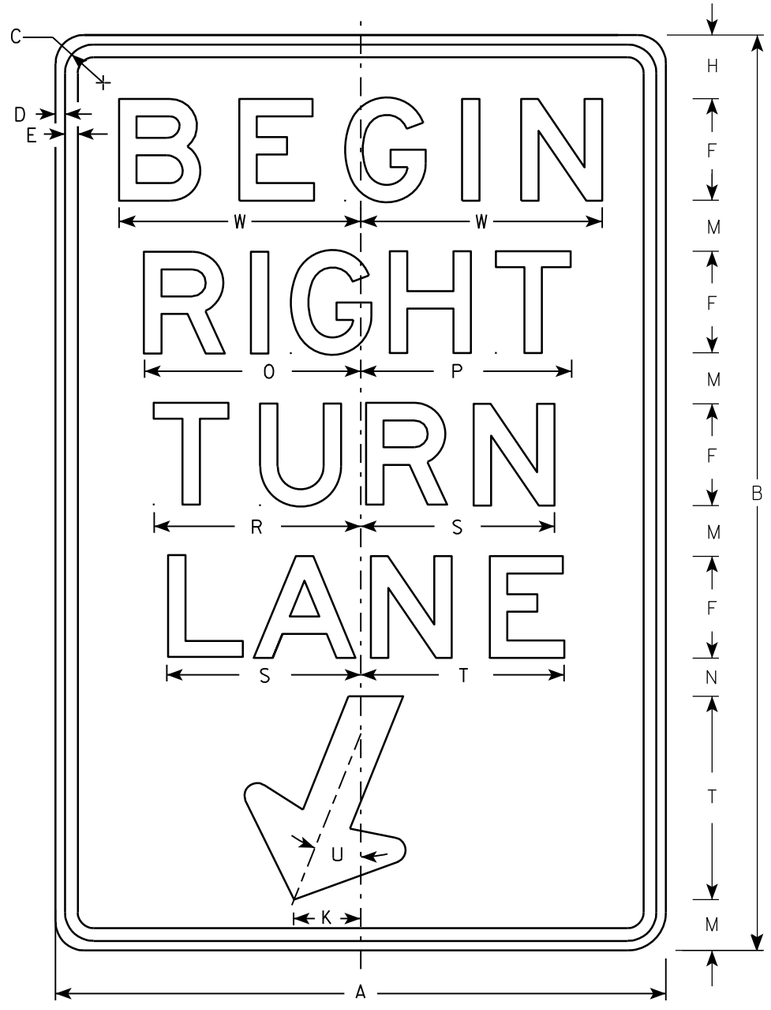
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

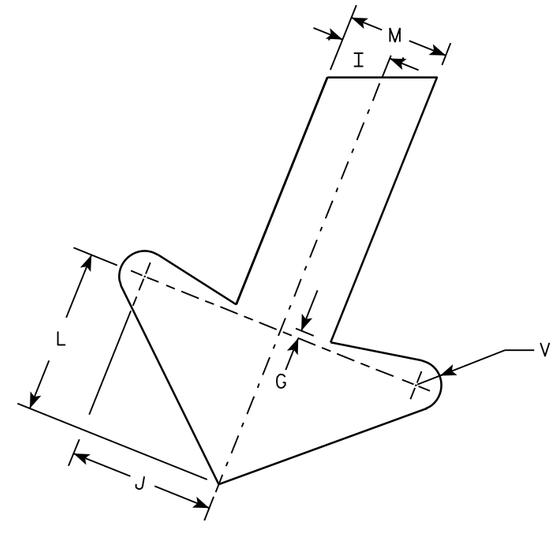
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 822 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

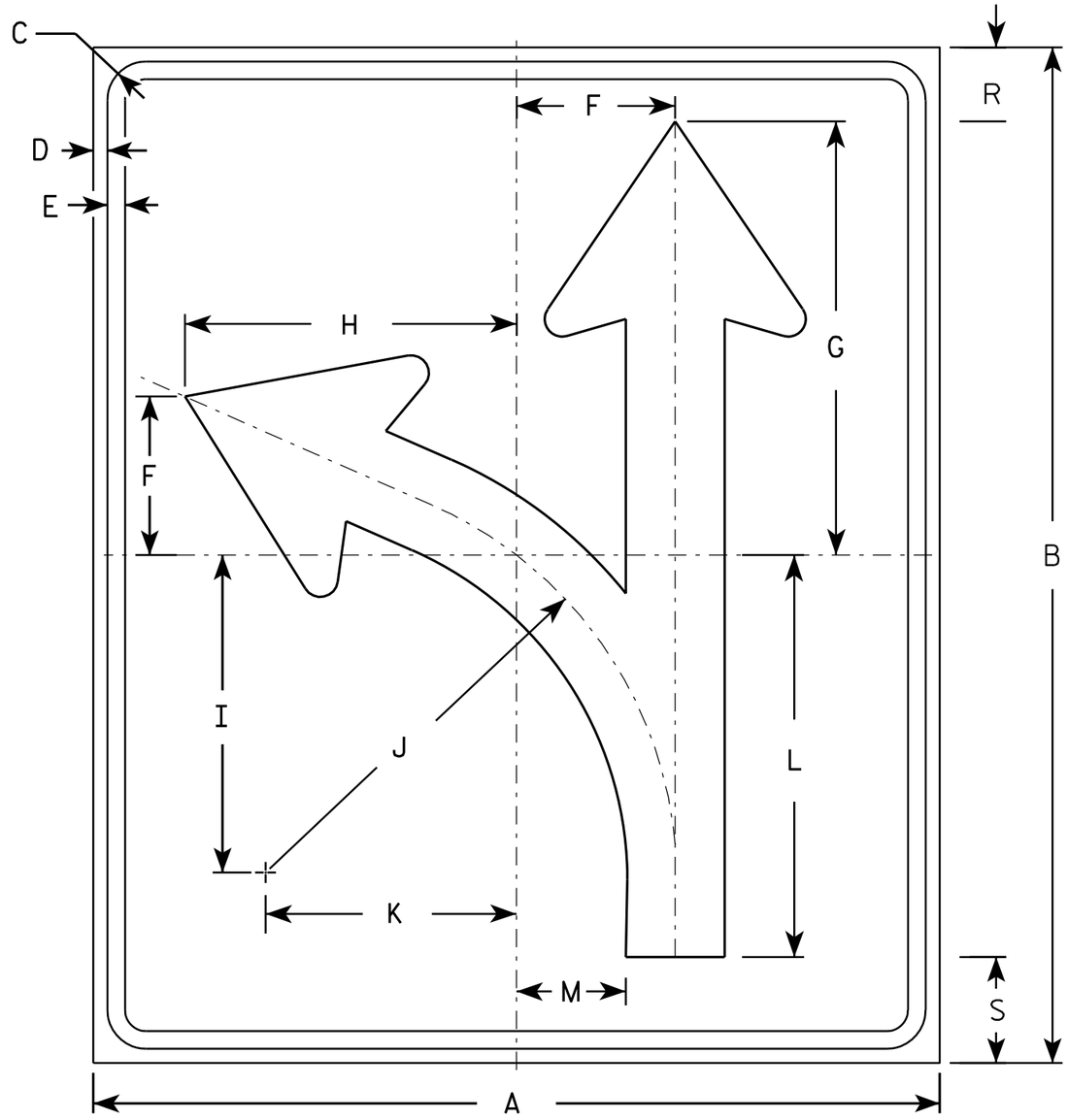
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

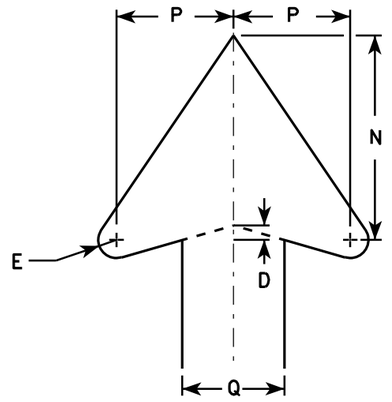
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 823 | E



R3-60L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. R3-60R is the same as R3-60L except curved portion of arrow points to right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
2M	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
3																											
4																											
5																											

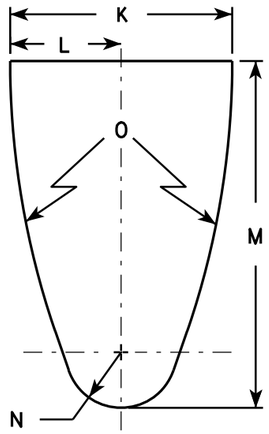
STANDARD SIGN
R3-60

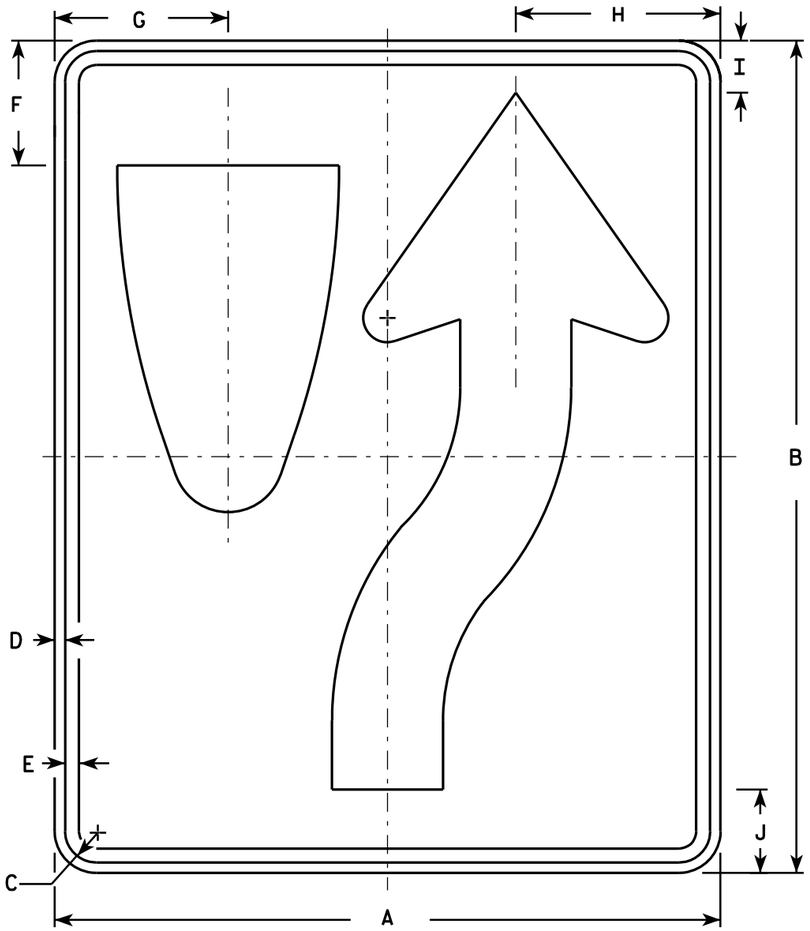
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-60.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 824	E

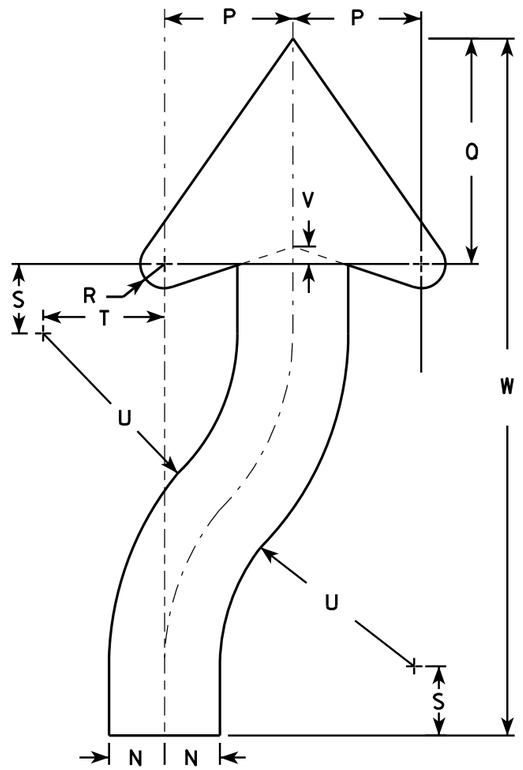




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

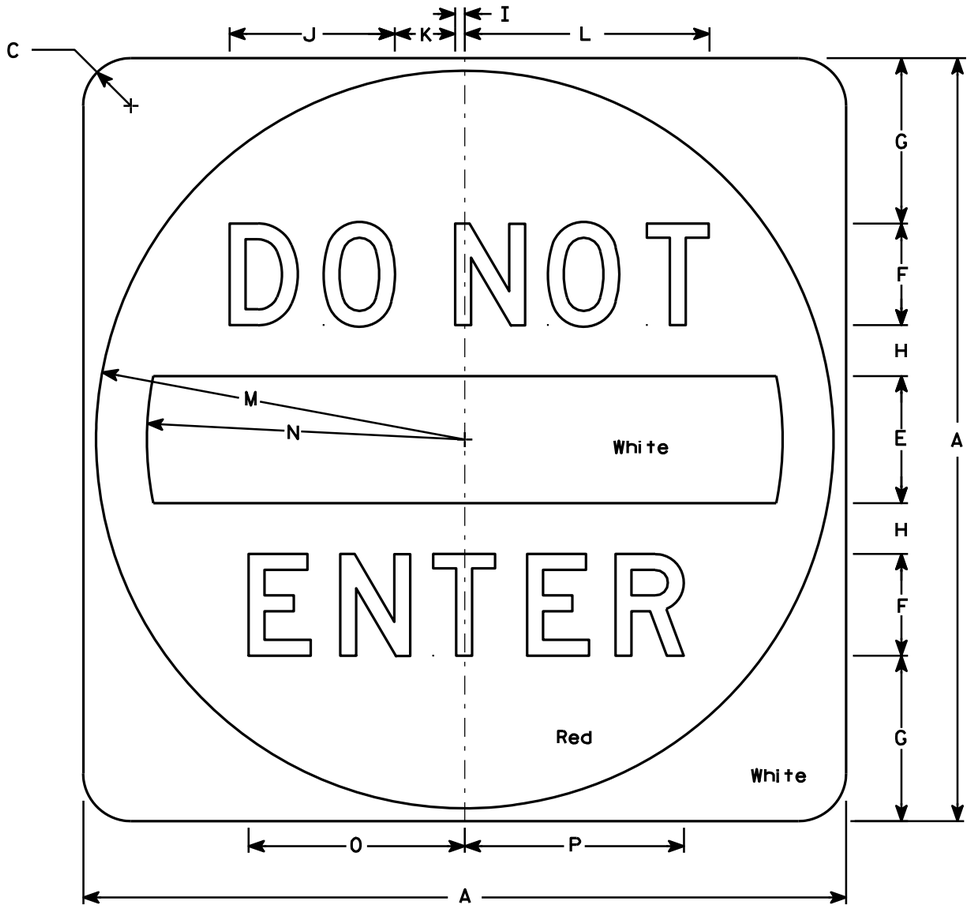
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 825	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

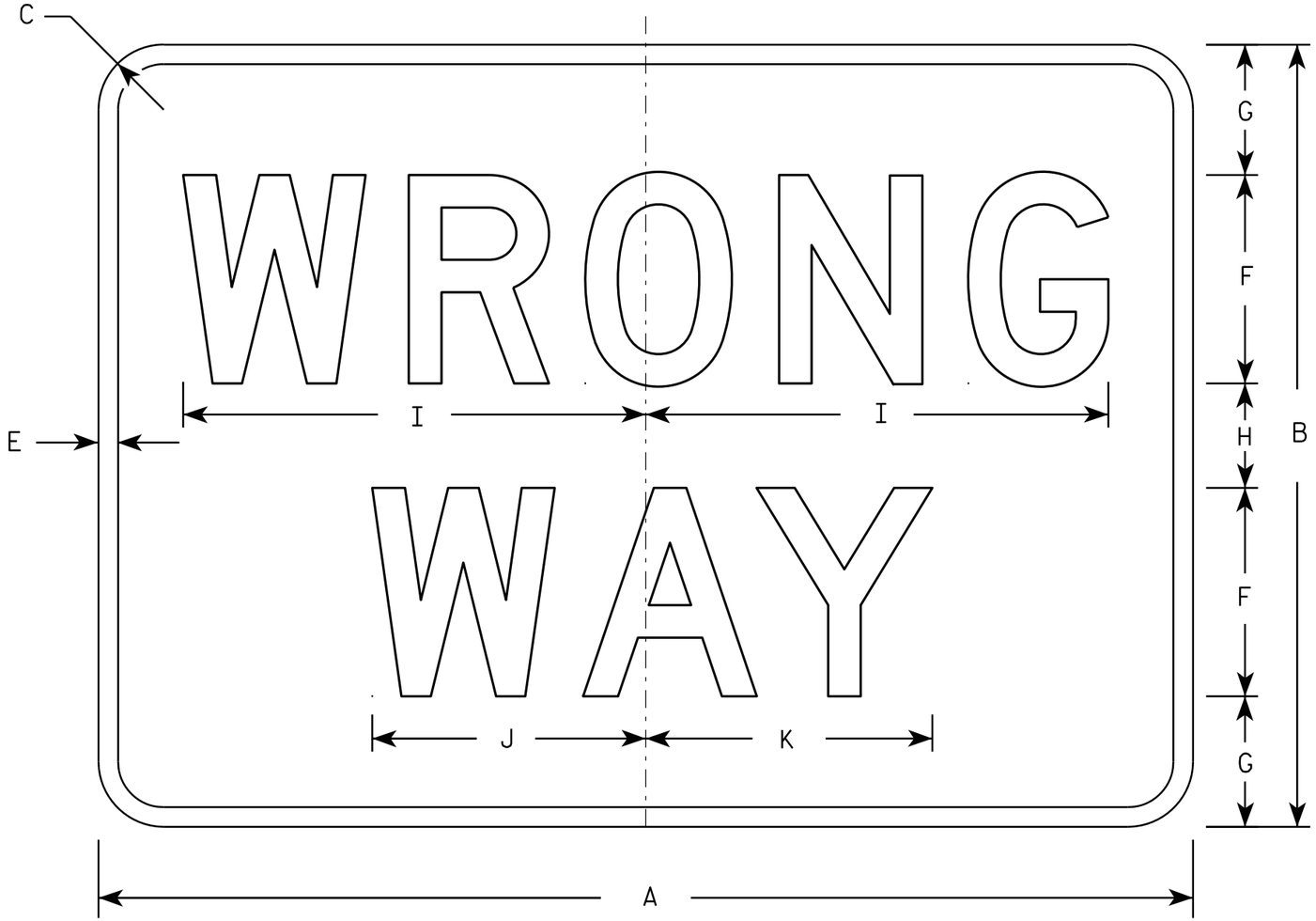
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 826 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 827	E



R5-57

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

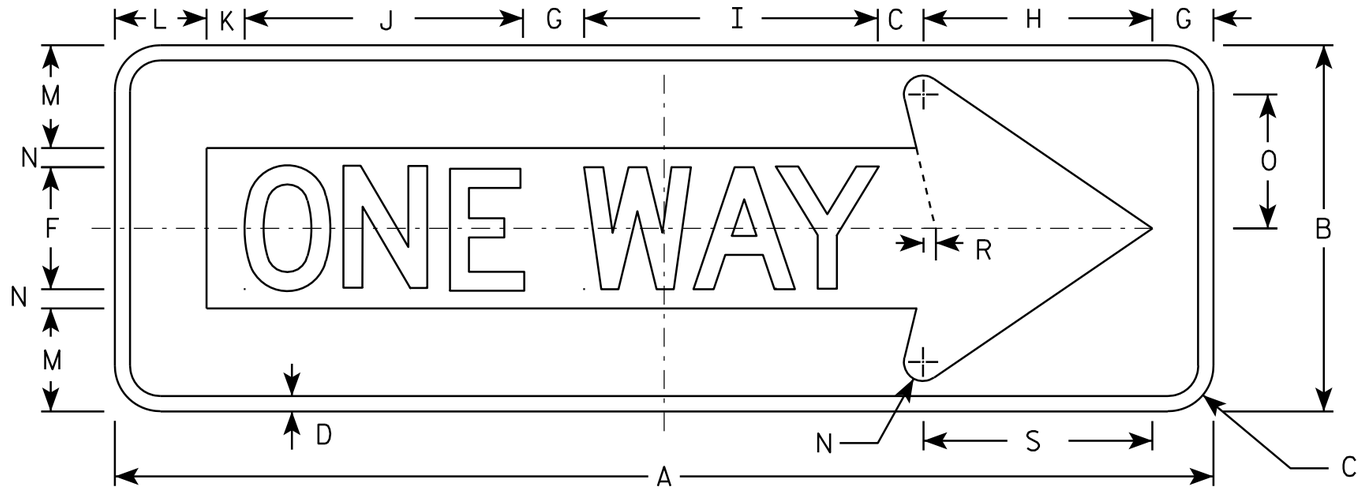
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

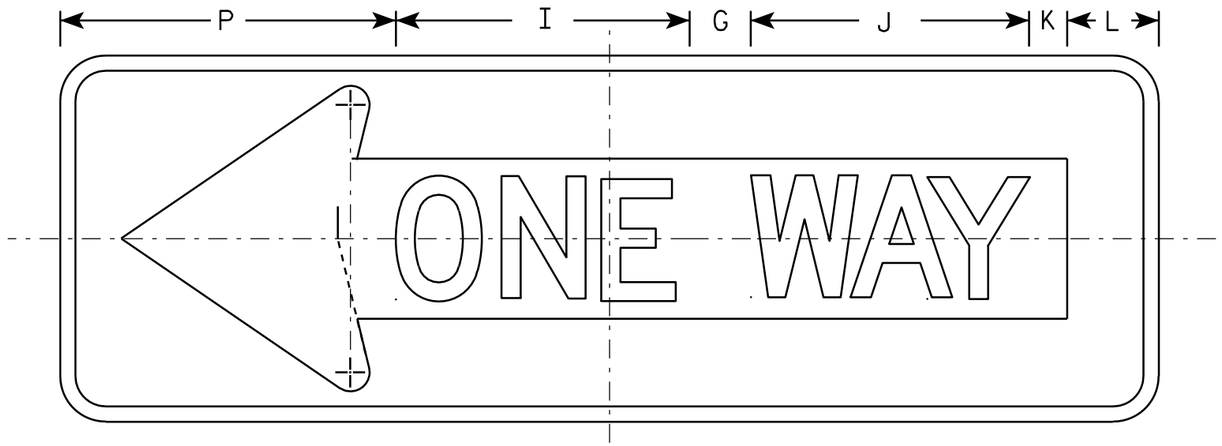
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 828	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

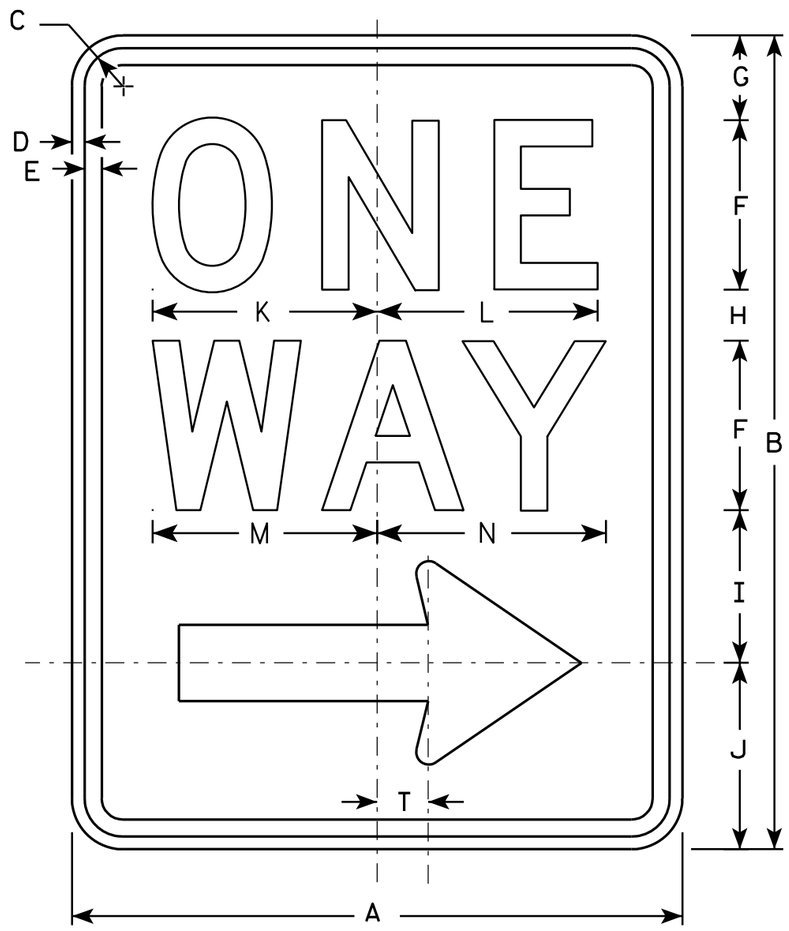
SHEET NO: 829 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R61.DGN PLOT DATE : 17-DEC-2010 14:11 PLOT BY : dotsja

WISDOT/CADDS SHEET 42

7

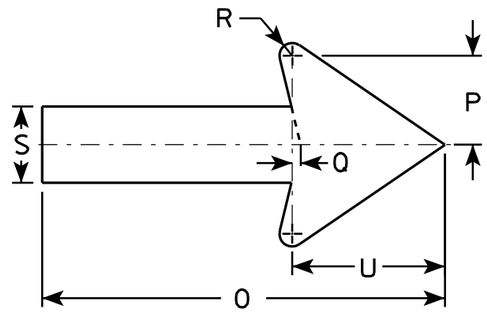
7



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

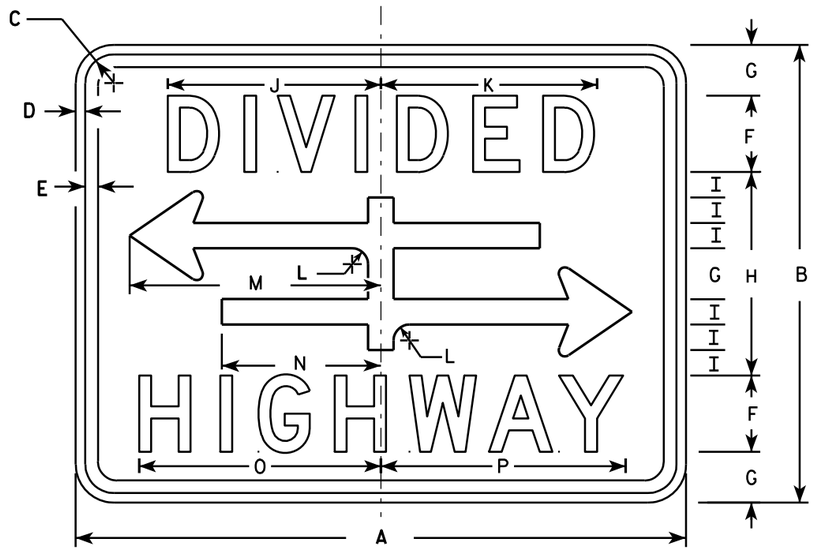
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

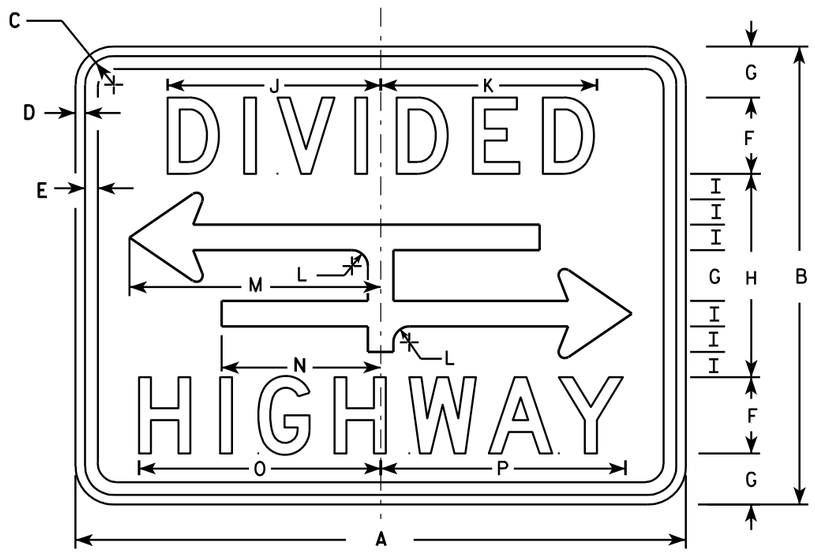
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 830	E



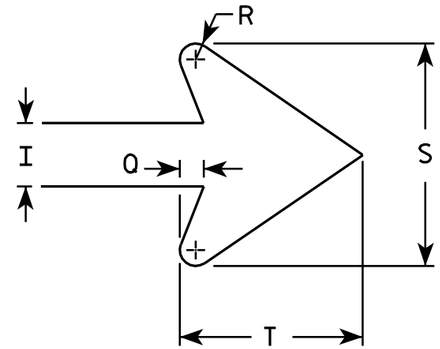
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

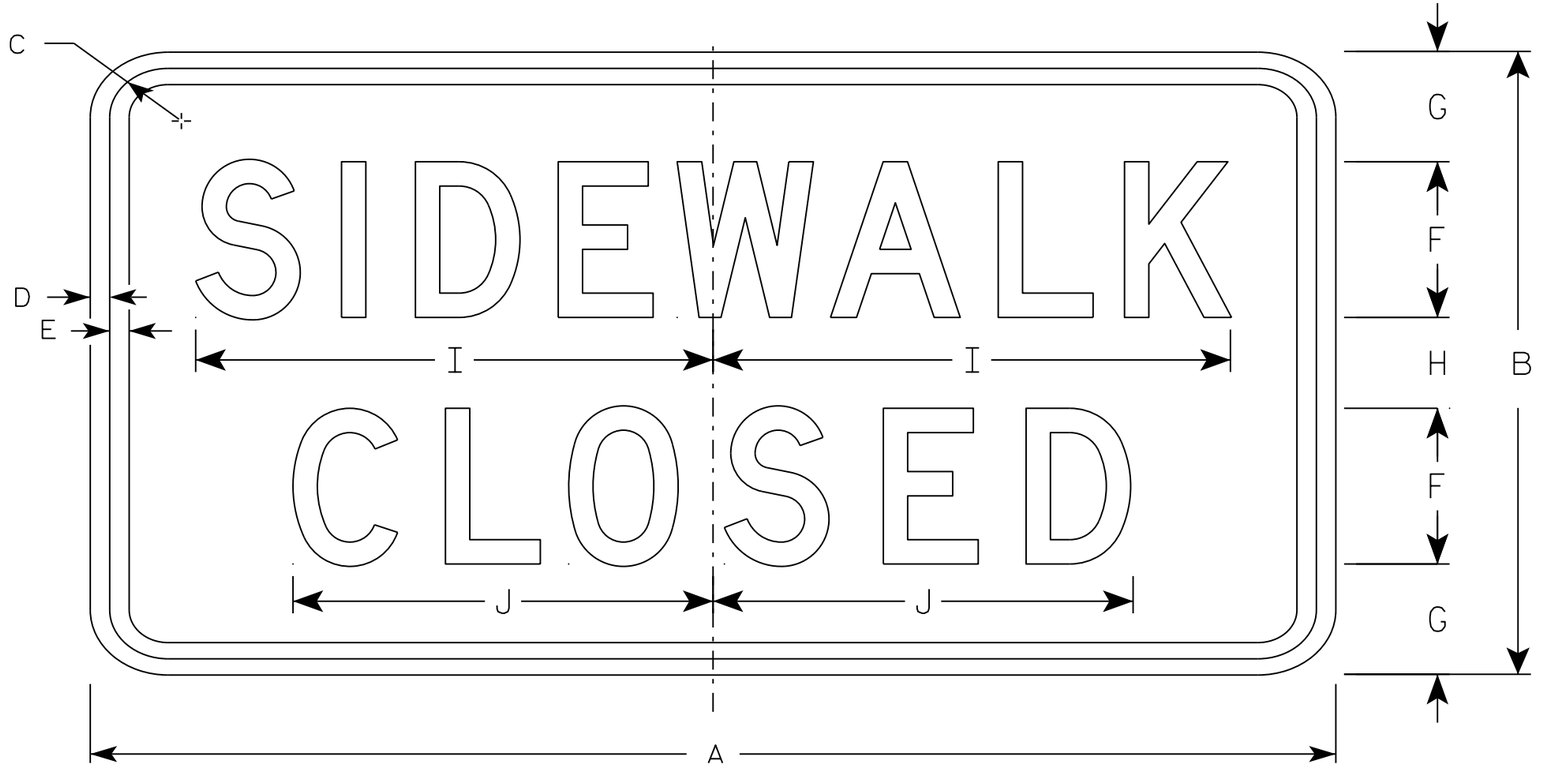
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 831 E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

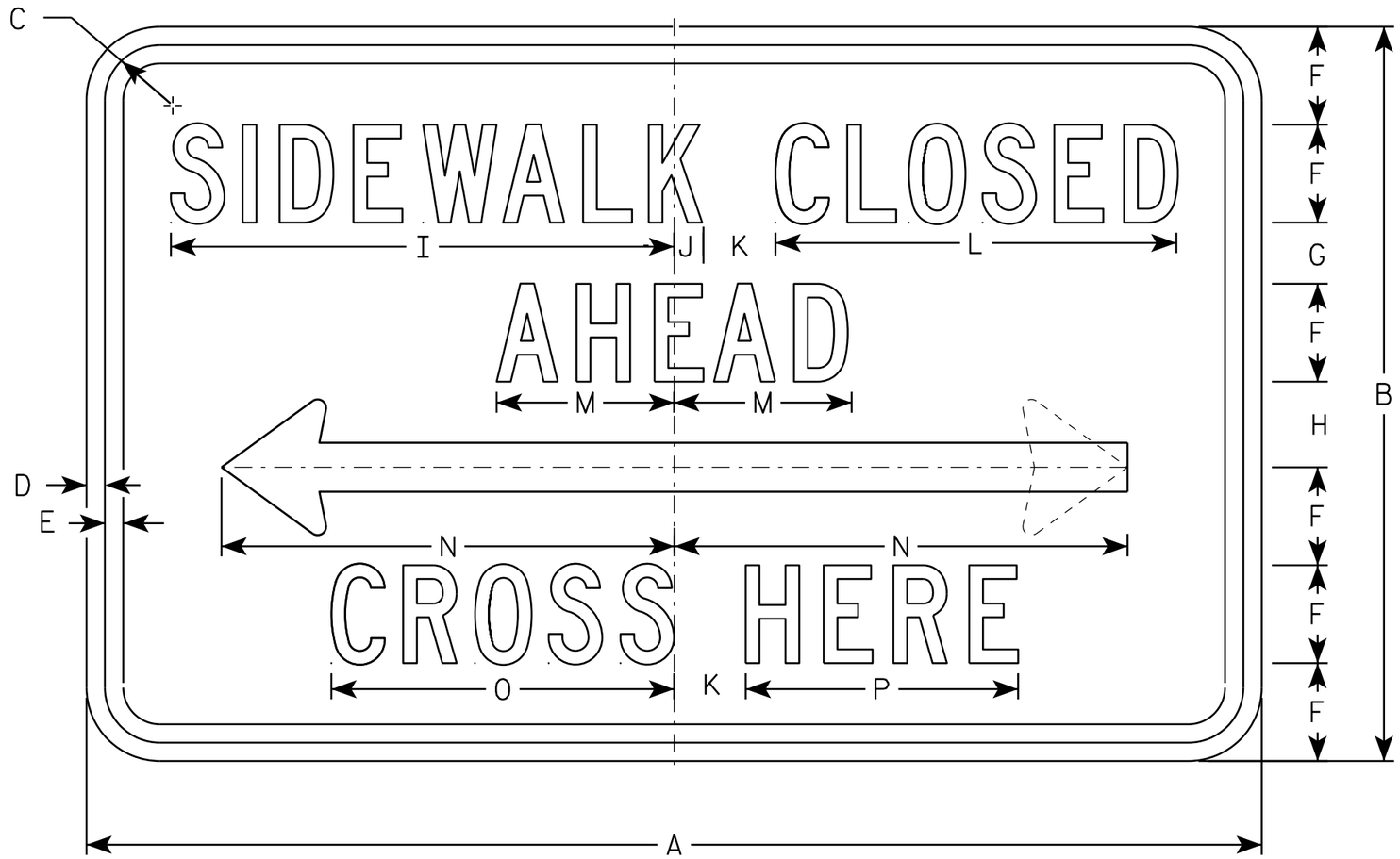
WISCONSIN DEPT OF TRANSPORTATION

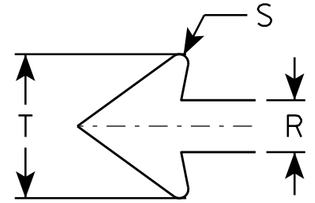
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 832 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000





R9-11

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
4																											
5																											

STANDARD SIGN
R9-11

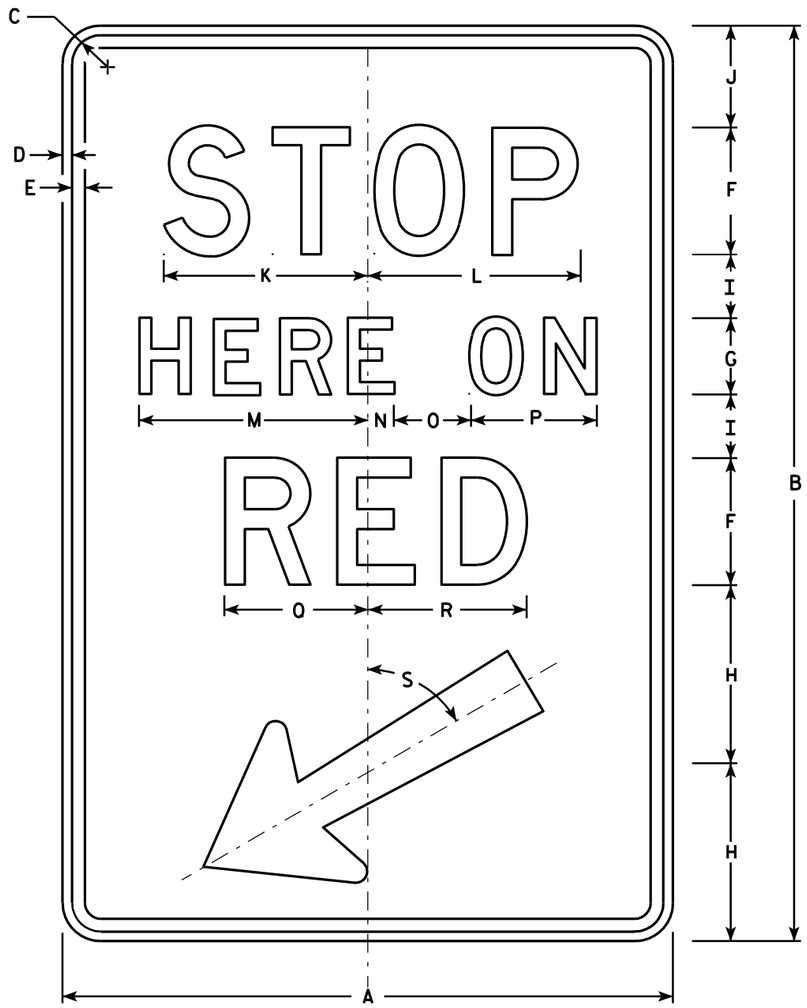
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE No. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

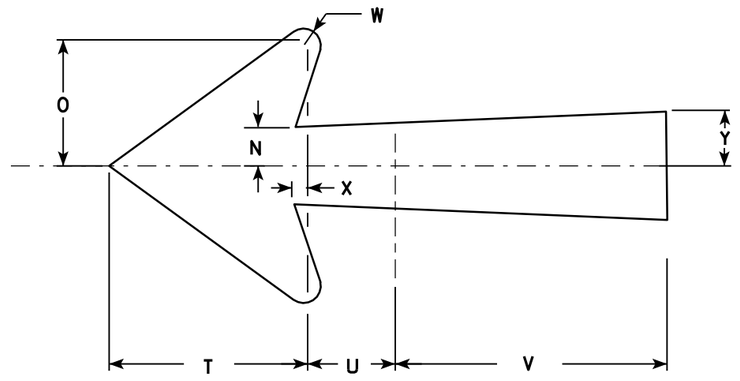
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R911.DGN PLOT DATE : 10-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837529:1.000000
WISDOT/CADDS SHEET 42



R10-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

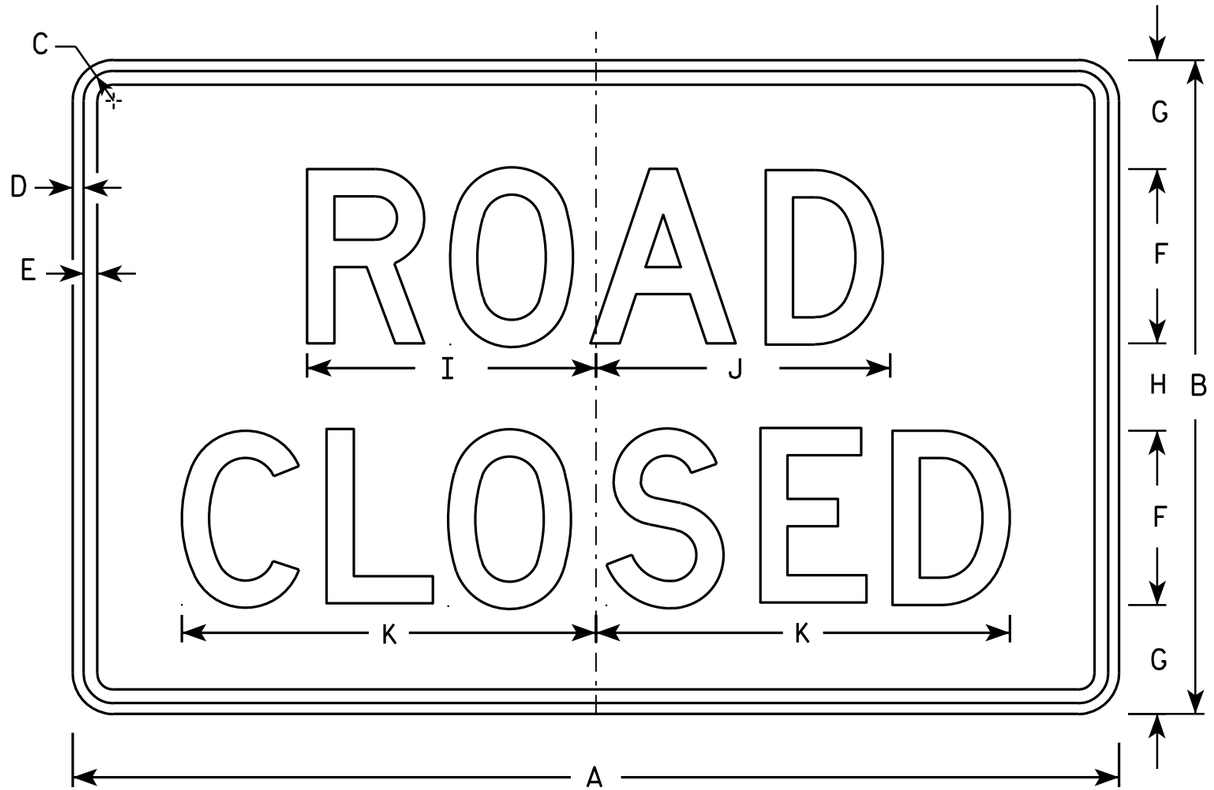
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 834	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R106.DGN PLOT DATE : 05-APR-2011 09:50 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

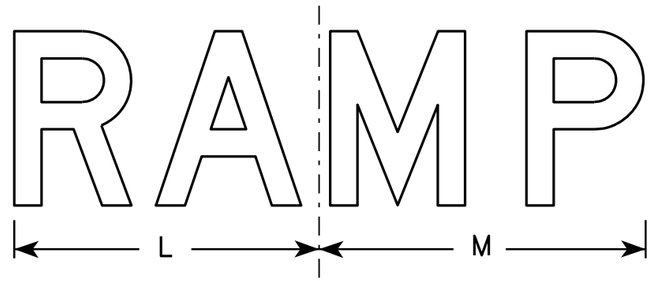
7



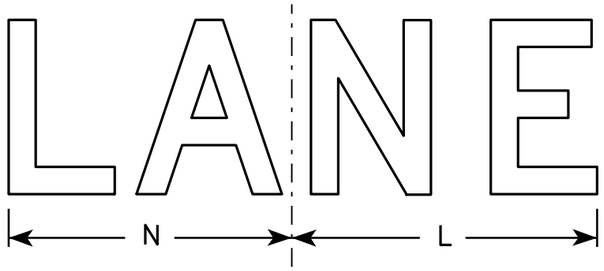
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

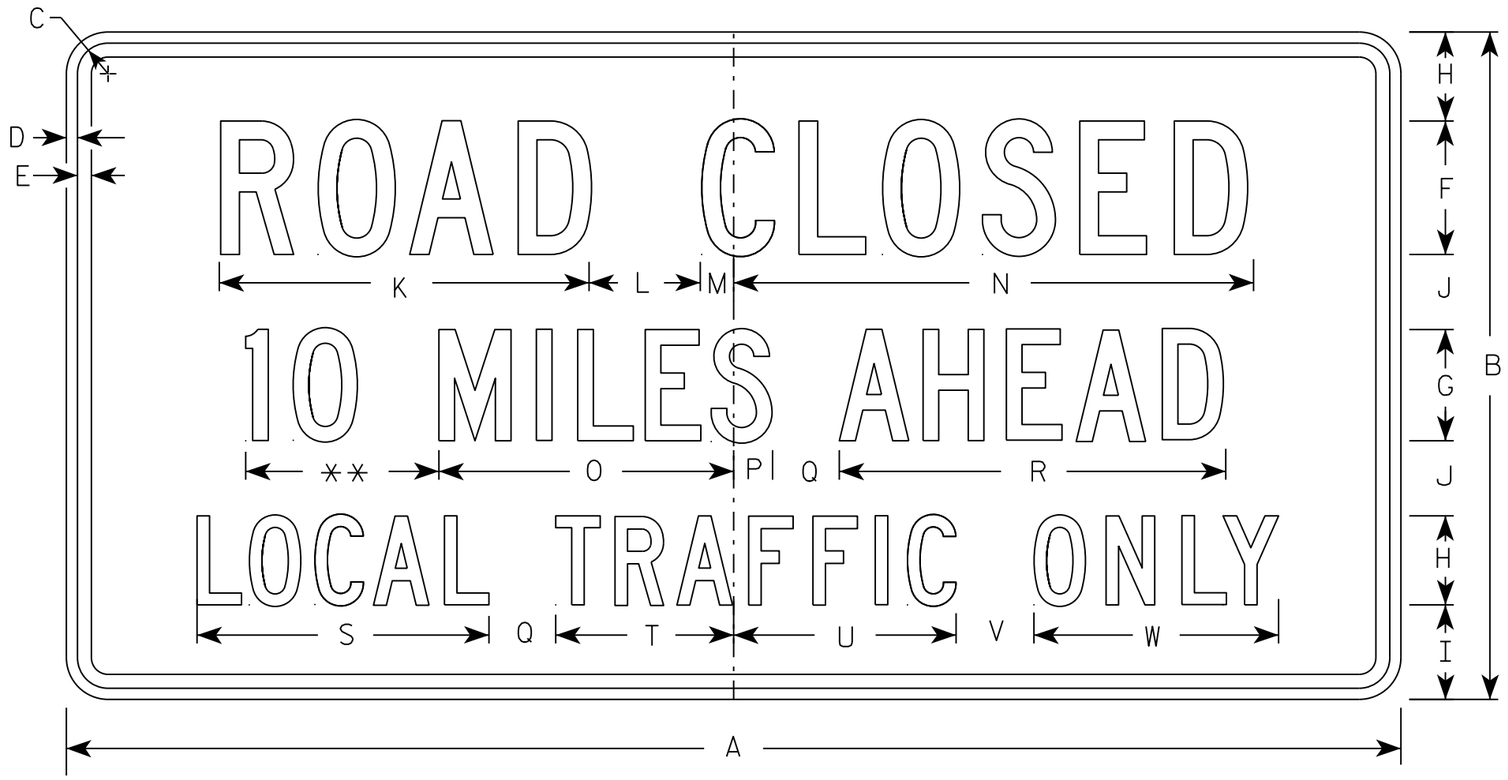
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 835 | E



R11-3

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

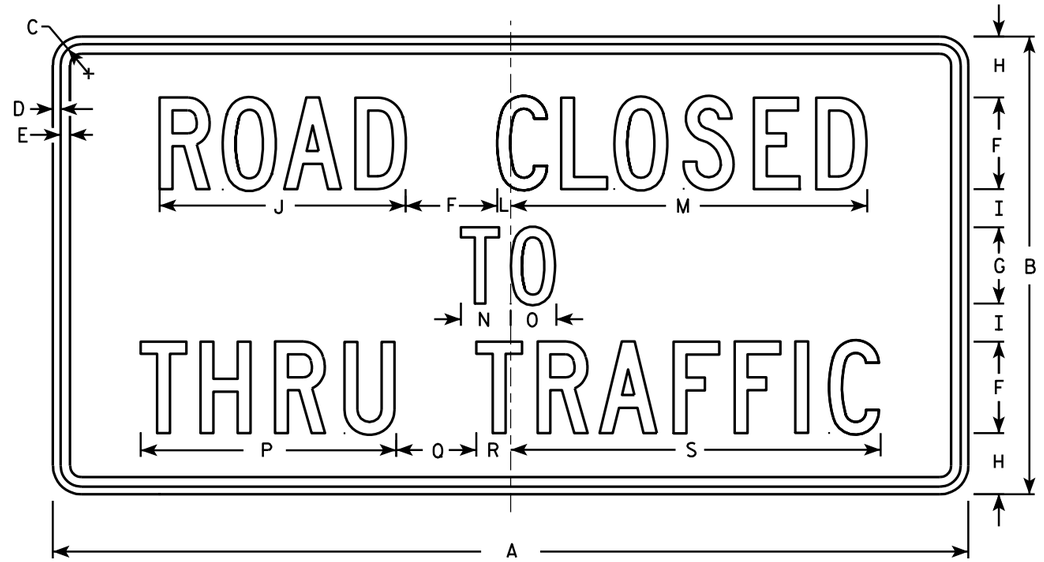
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO. R11-3.7

836

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN PLOT DATE : 28-JUL-2016 16:25 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 6.810445:1.000000



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

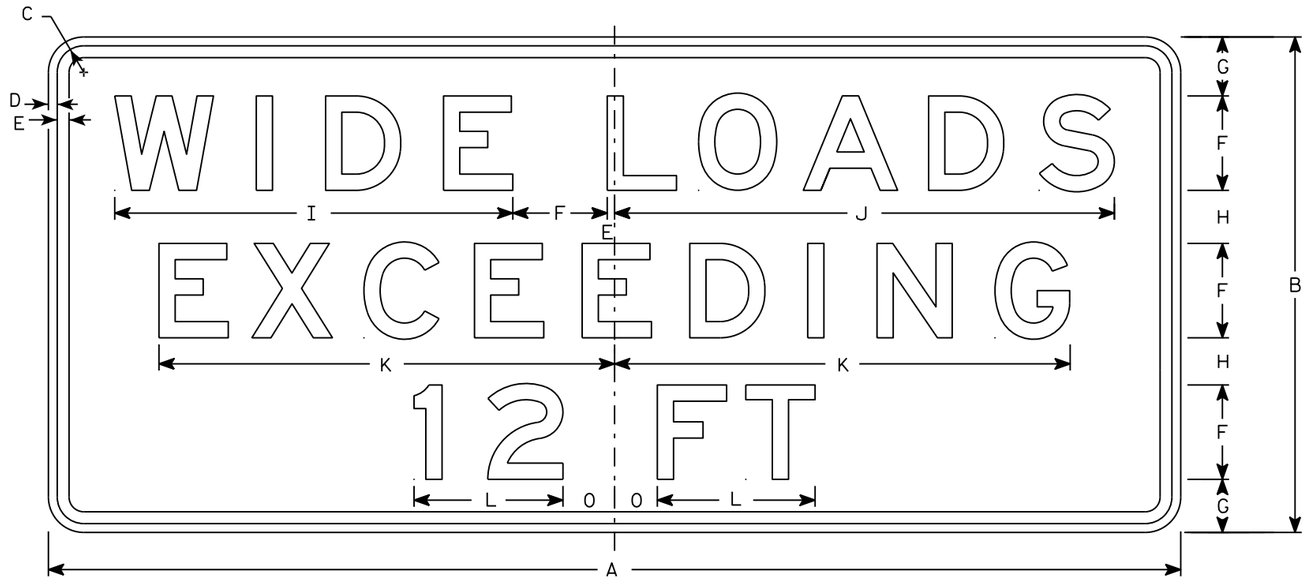
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

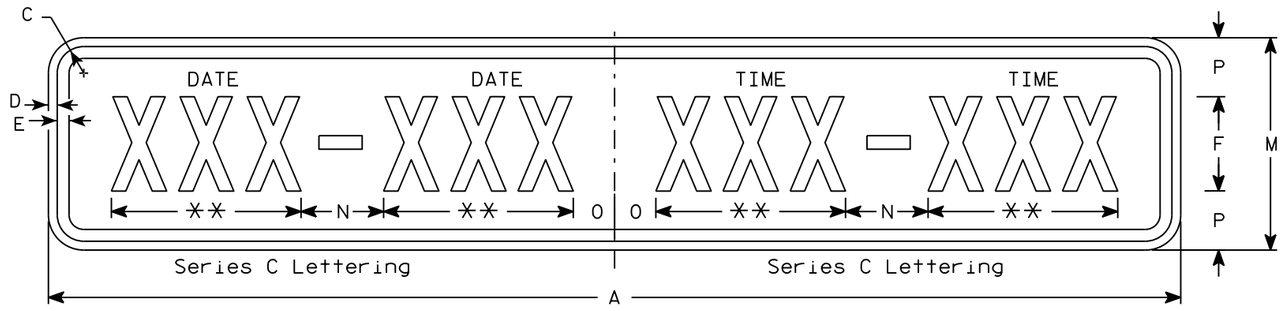
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 837	E



R12-70



R12-70C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E except as noted
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

** Substitute appropriate message, optically center message

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R12-70 Area sq. ft.	R12-70C Area sq. ft.
1																												
2S	66	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	6	3	3											16.5	5.5
2M	66	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	6	3	3											16.5	5.5
3																												
4	96	42	2 1/4	3/4	1	8	5	4	34	42	39	13	18	7	3 1/2	5											36.0	12.0
5	96	42	2 1/4	3/4	1	8	5	4	34	42	39	13	18	7	3 1/2	5											36.0	12.0

TYPICAL SIGN
R12-70

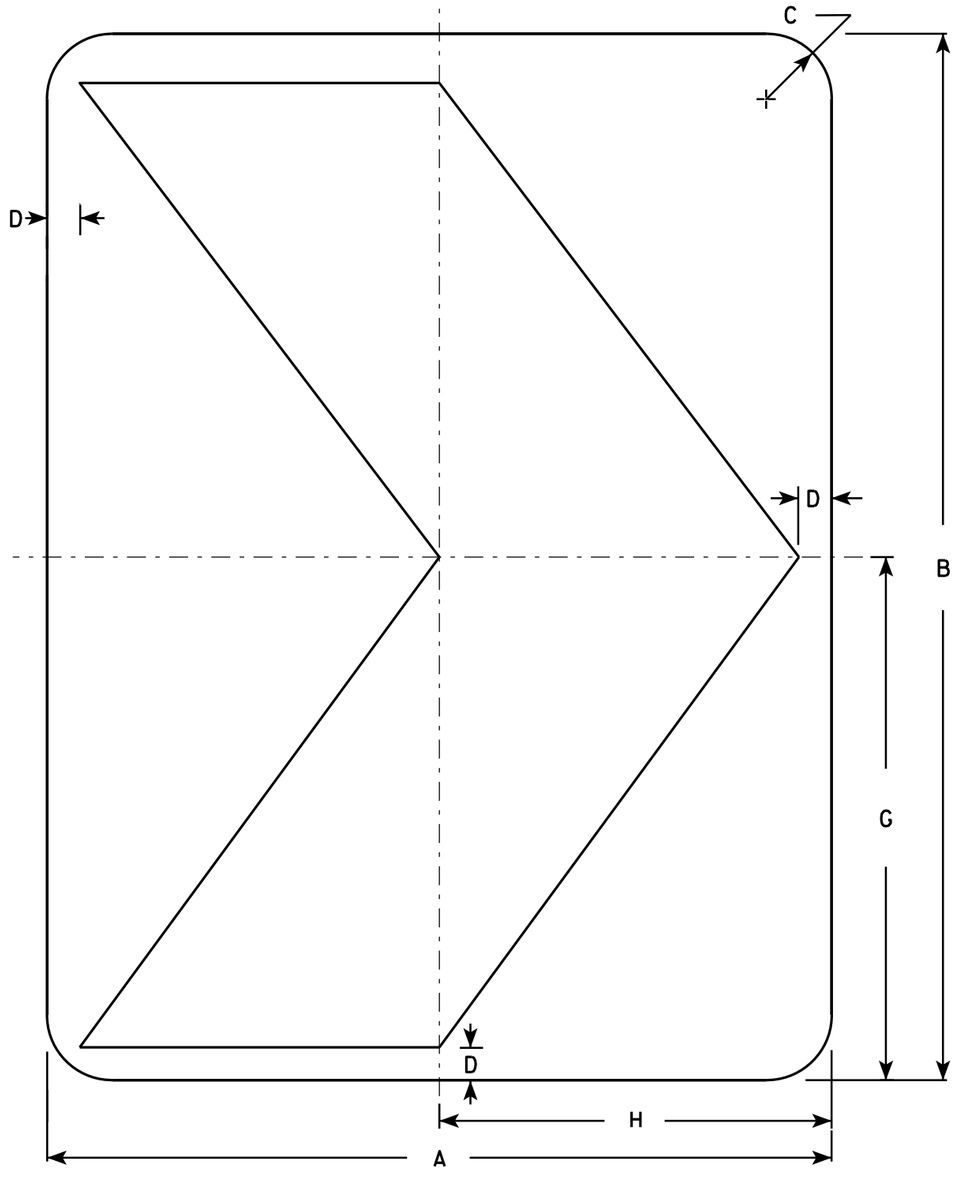
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/5/15 PLATE NO R12-70.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R1270.DGN PLOT DATE : 01-DEC-2015 18:09 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 12.842555:1.000000



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W1-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

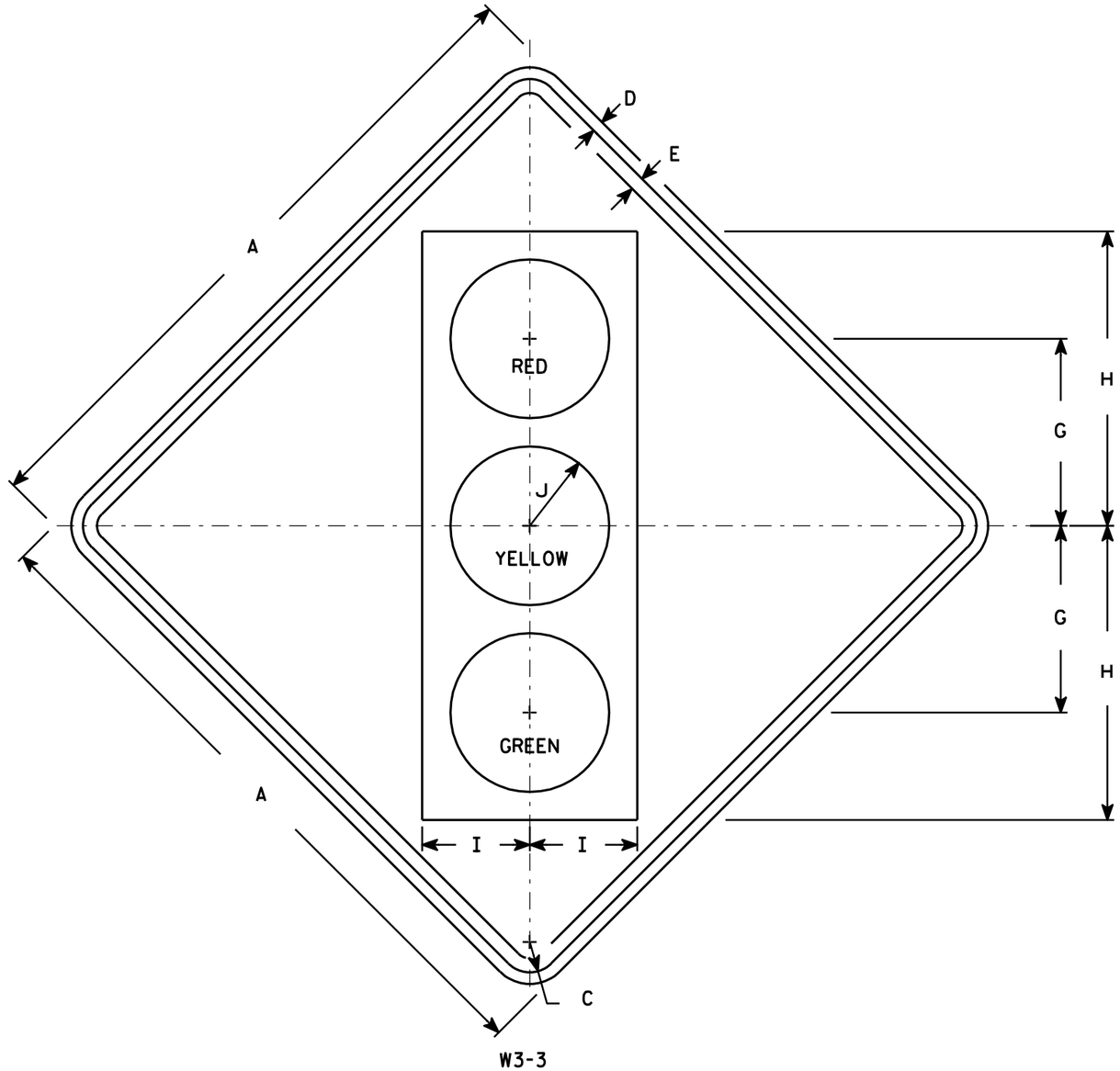
SHEET NO: 839 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W18.DGN PLOT DATE : 07-JUN-2010 12:55 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

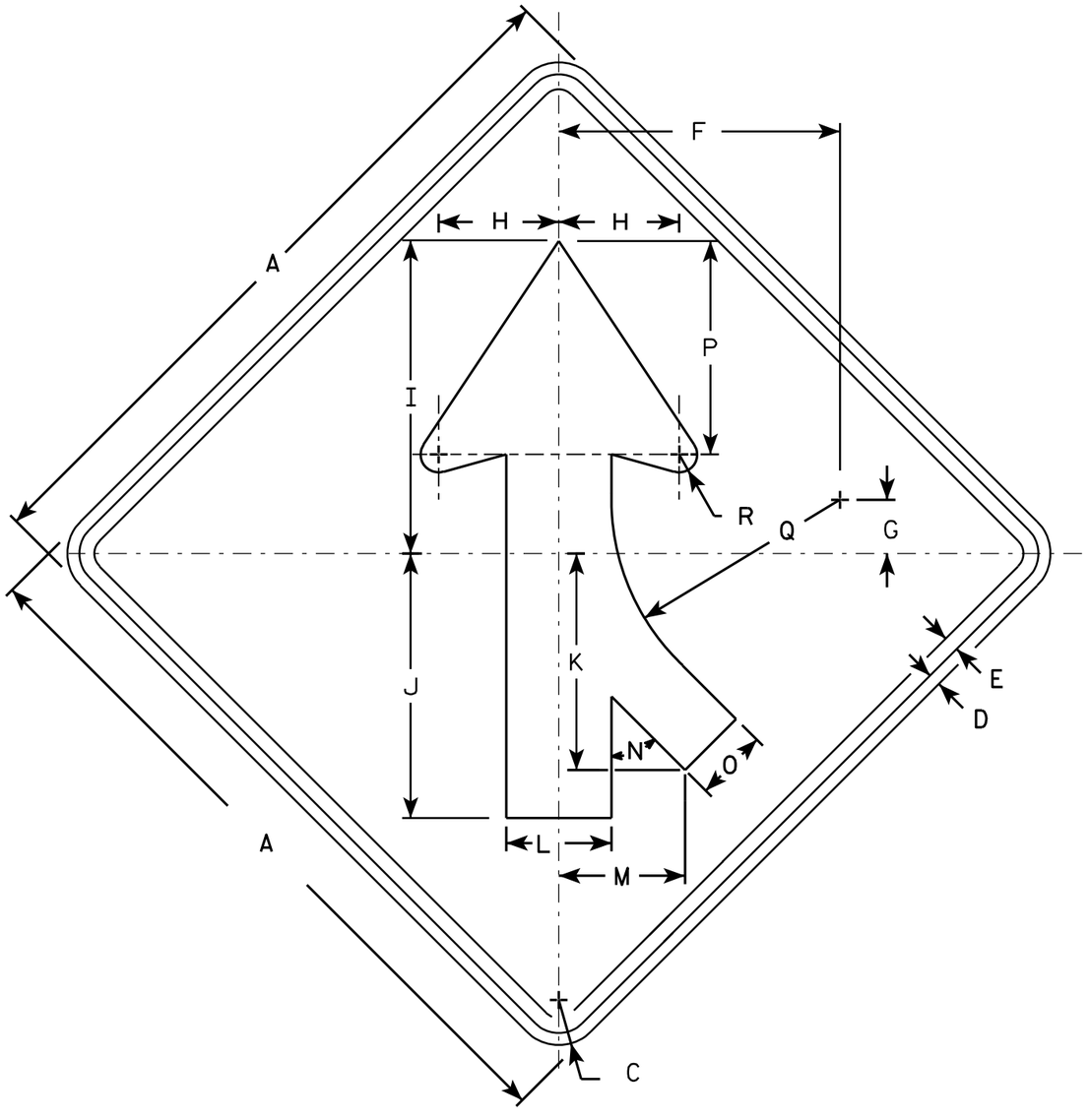
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 840 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

WISDOT/CADDS SHEET 42

7

7



W4-1 R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

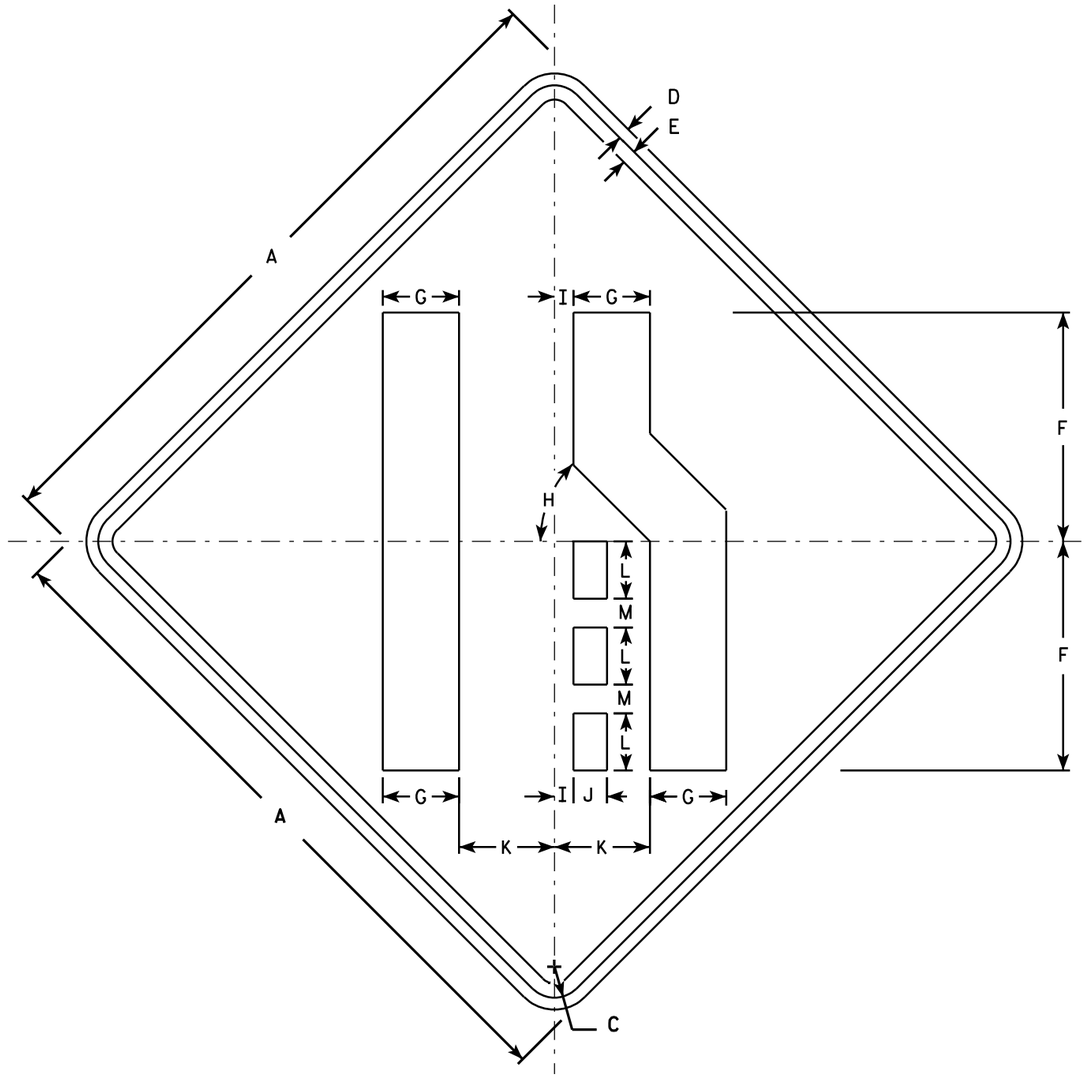
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 841	E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

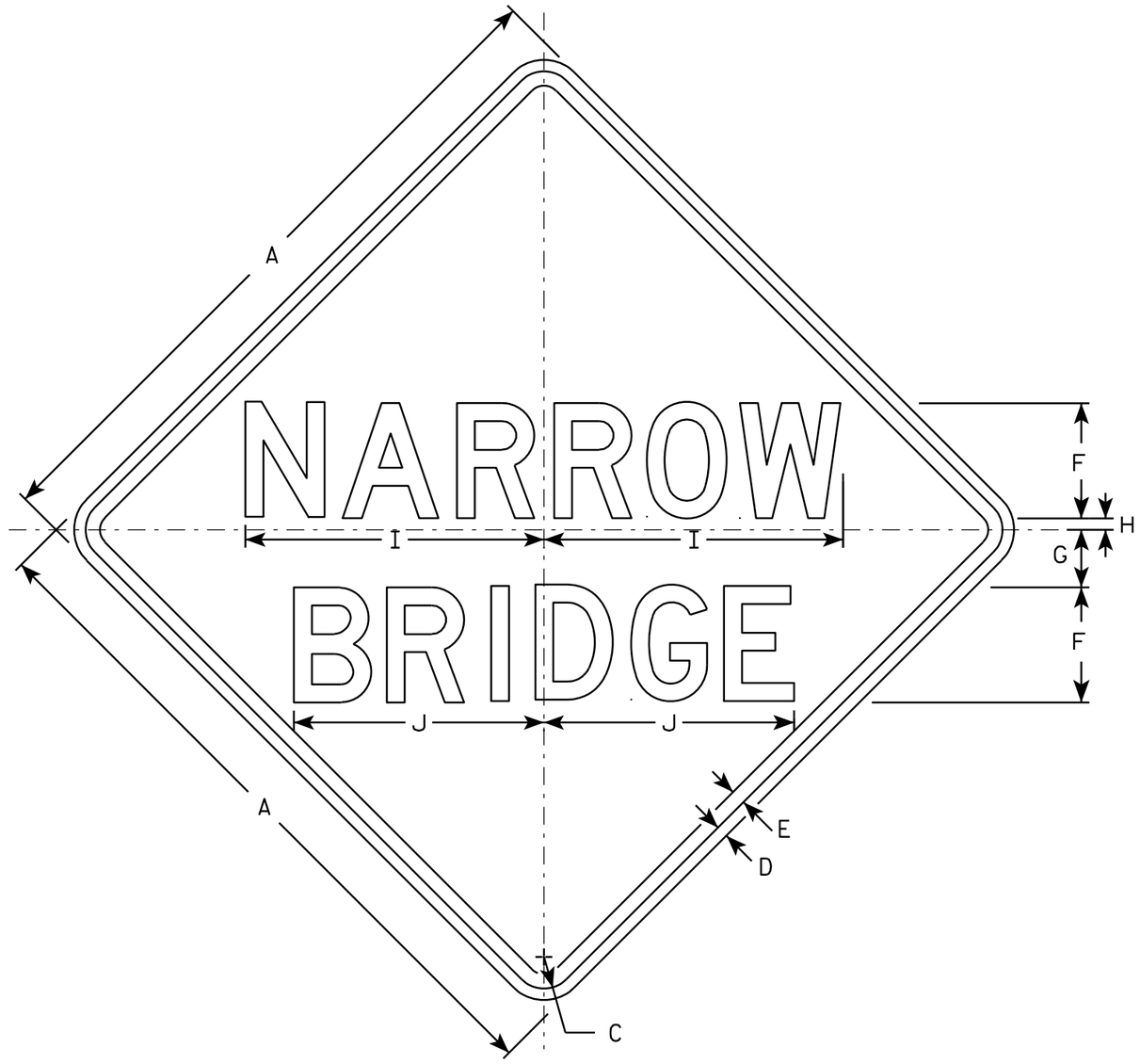
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 842 E



W5-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	2 1/2	1/2	13	10 7/8																	6.25
2S	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
2M	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
3	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
4	48		2 1/4	3/4	1	8	4	3/4	20 3/4	17 3/8																	16.0
5																											

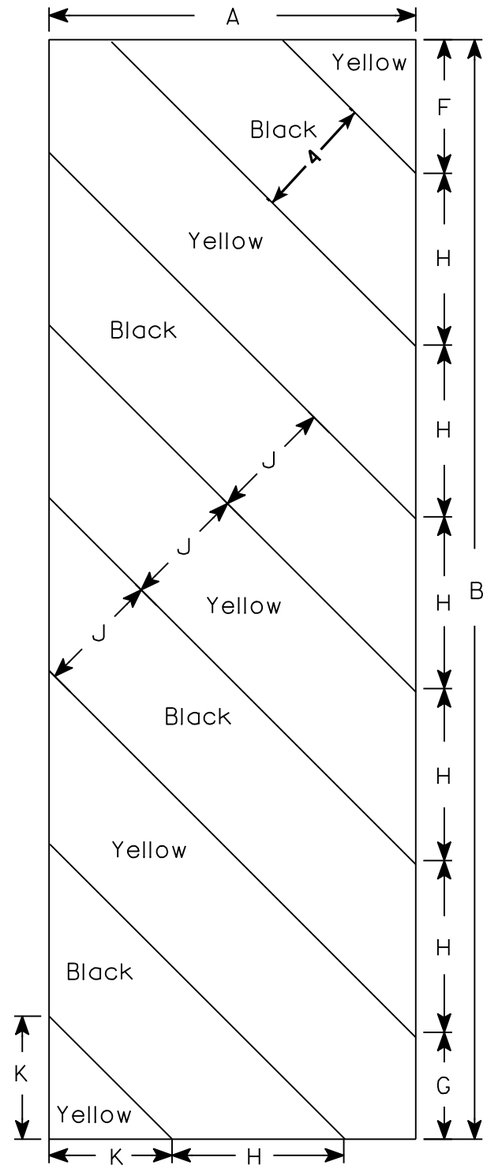
STANDARD SIGN
W5-2

WISCONSIN DEPT OF TRANSPORTATION

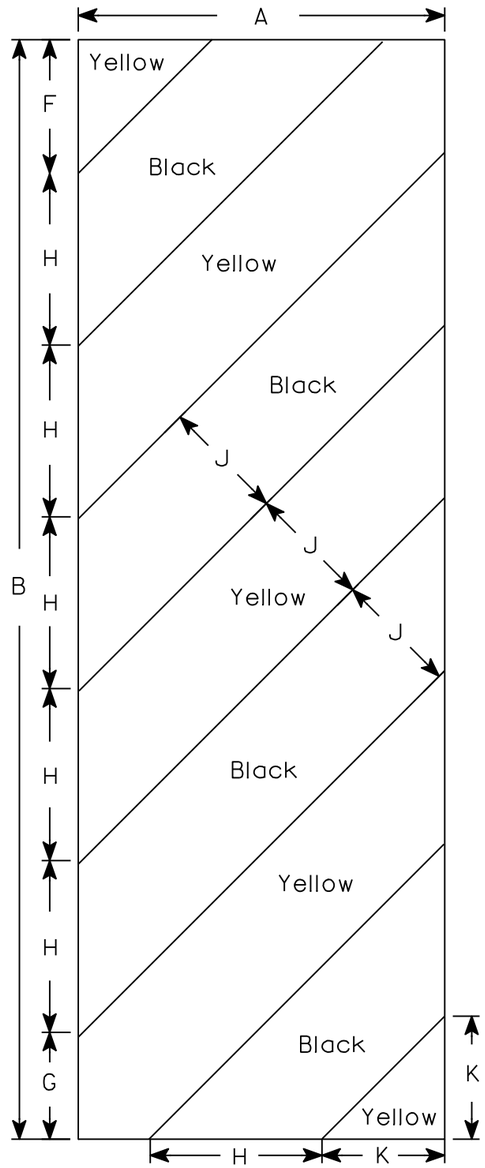
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W5-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 843	E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

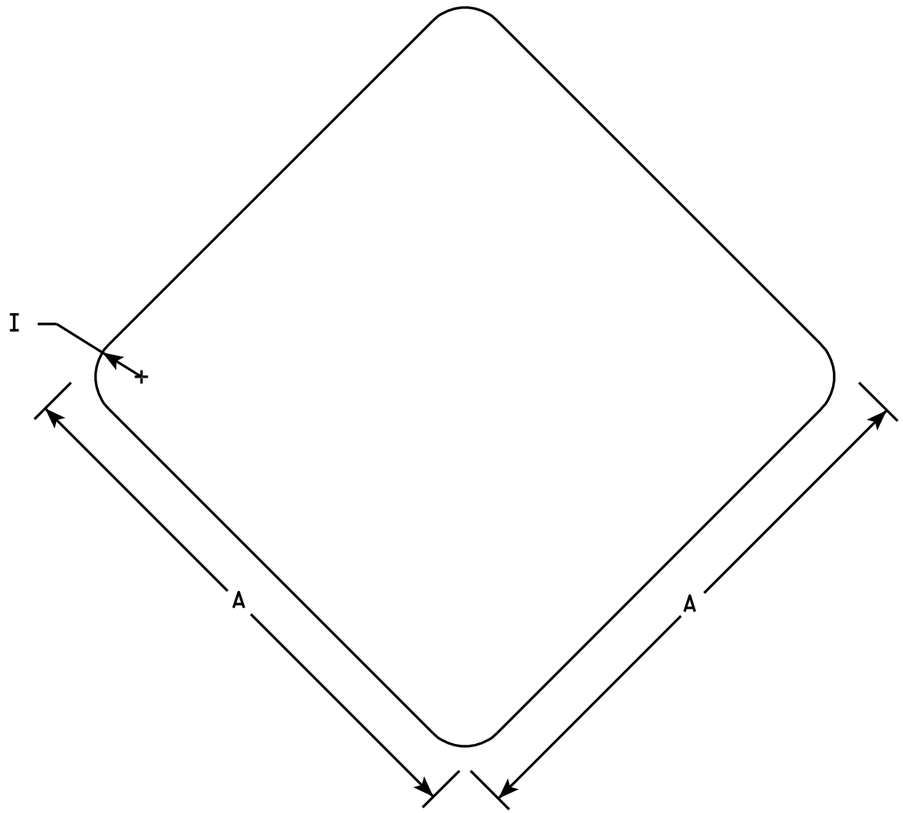
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 844 | E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

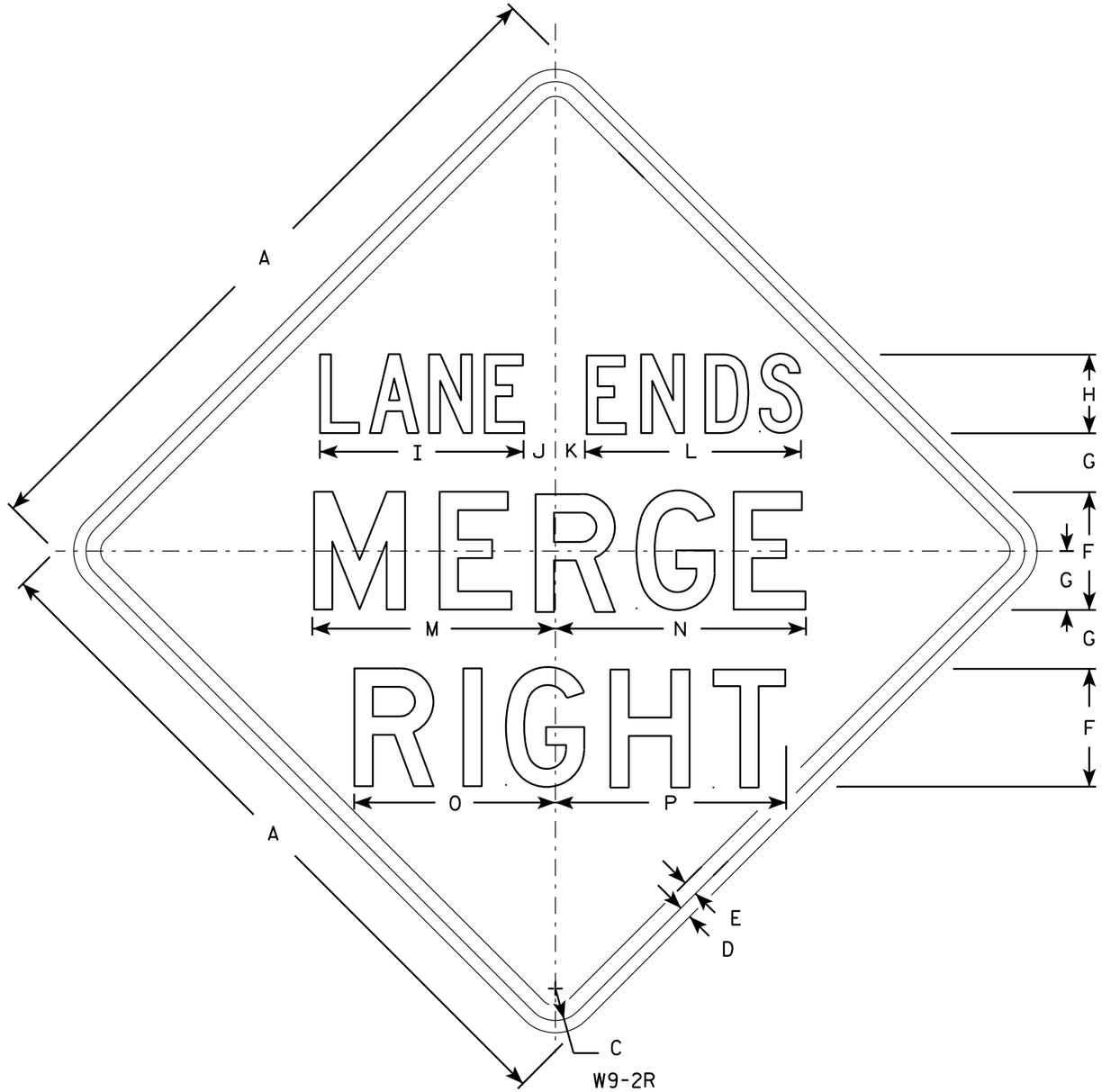
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

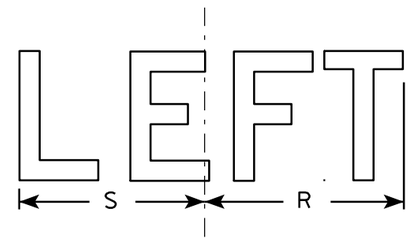
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 845	E



W9-2R



W9-2L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C, lines 2 & 3 are Series D.
6. W9-1L is the same as W9-2R except the word LEFT replaces RIGHT.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	2 1/2	3	8	1	1 1/8	8 1/4	10 3/8	10 5/8	8 5/8	9 7/8		7 5/8	7 1/8								6.25
2S	36		1 5/8	5/8	3/4	6	3	4	10 3/8	1 5/8	1 1/2	11	12 3/8	12 3/4	10 1/4	11 3/4		9 1/8	8 1/2								9.0
2M	36		1 5/8	5/8	3/4	6	3	4	10 3/8	1 5/8	1 1/2	11	12 3/8	12 3/4	10 1/4	11 3/4		9 1/8	8 1/2								9.0
3																											
4	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
5	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 3/4	16 3/8	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0

STANDARD SIGN
W9-2

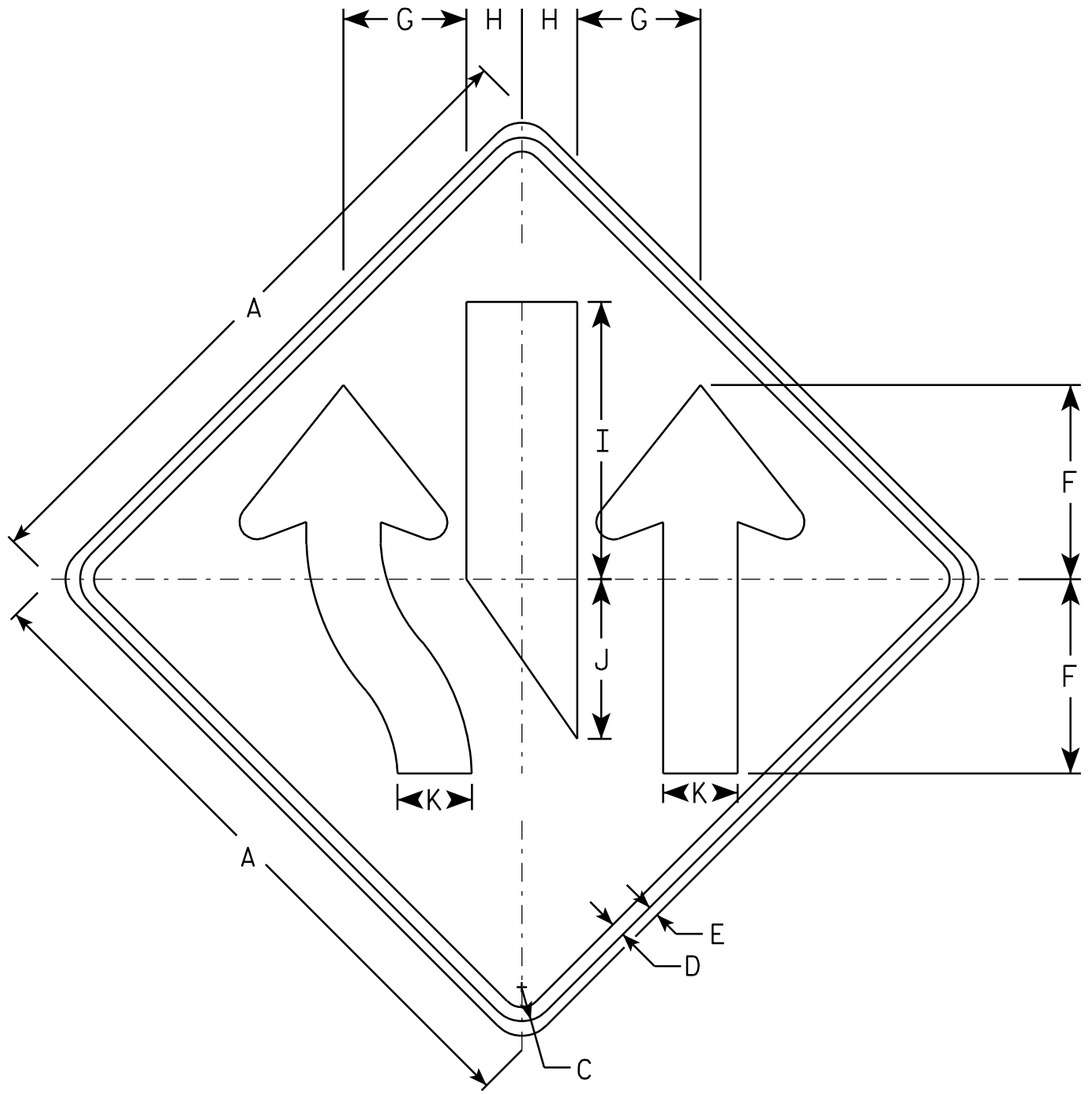
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-2.10

PROJECT NO:

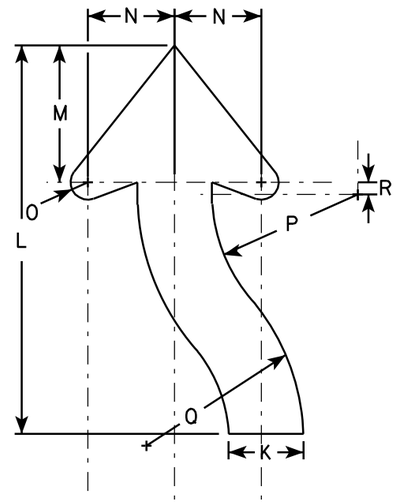
SHEET NO: 846 E



W9-3A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
2M	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
3	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
4	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
5	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16

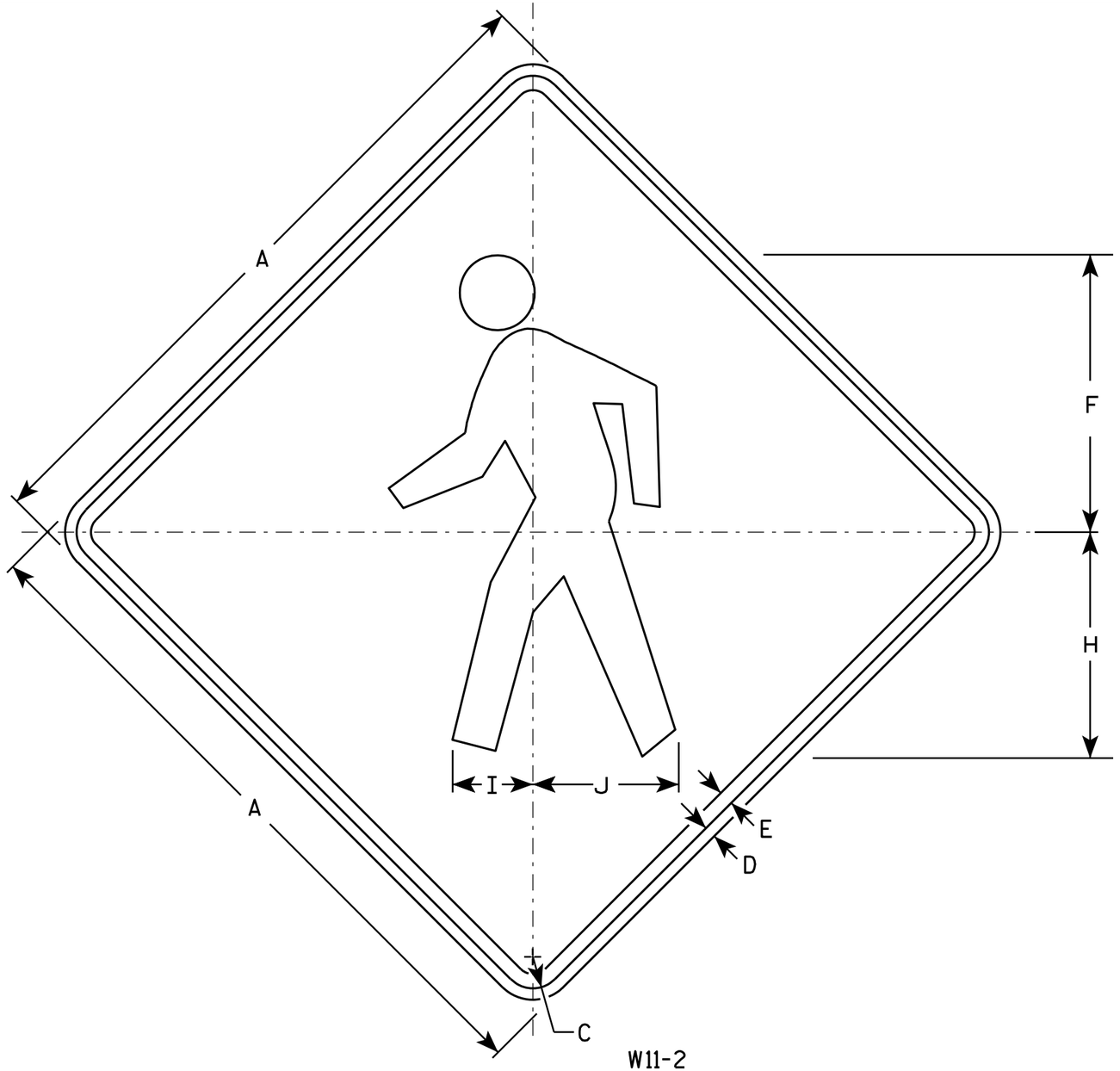
STANDARD SIGN
W9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/02/11 PLATE NO. W9-3A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 847 | E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

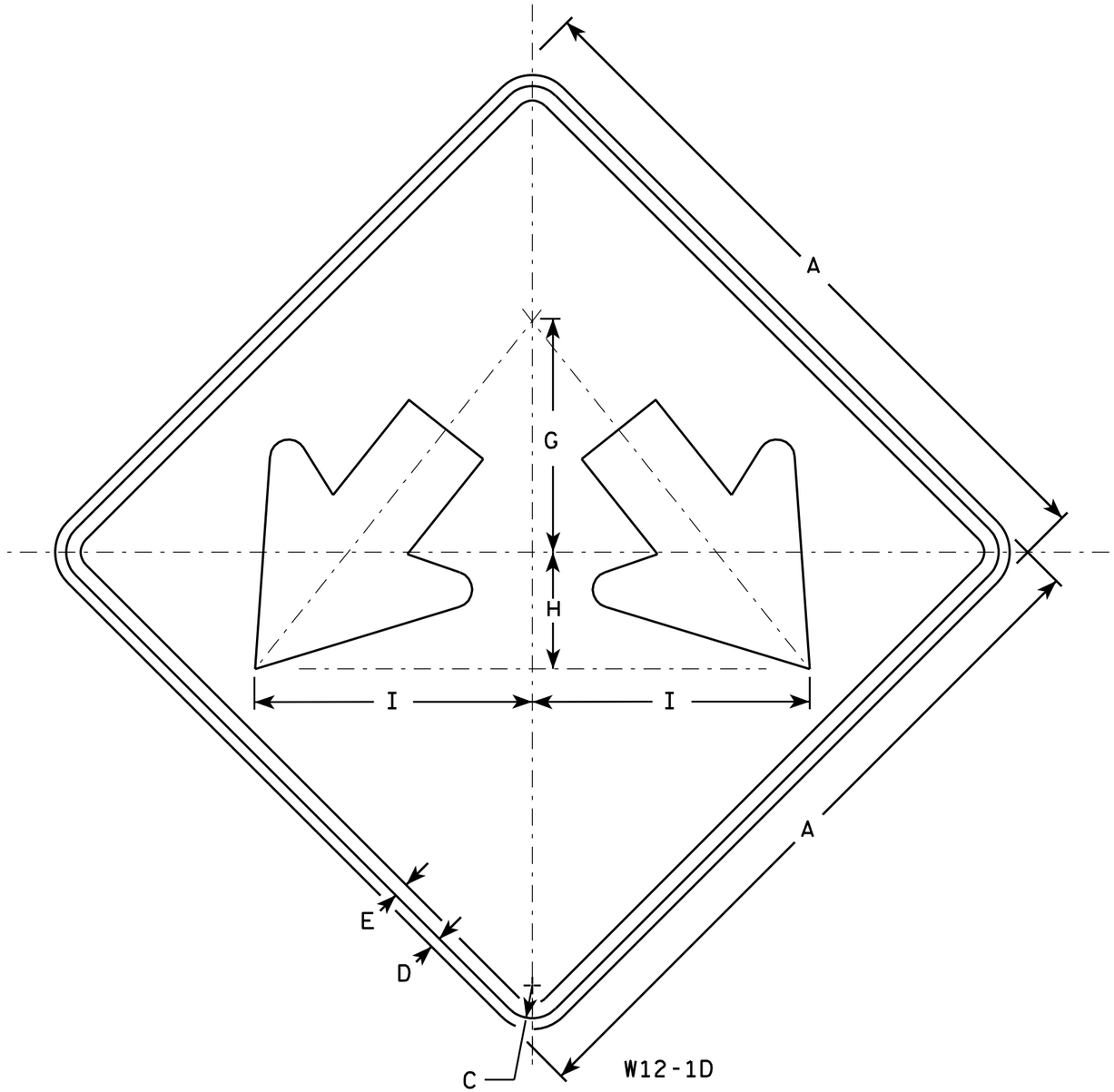
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

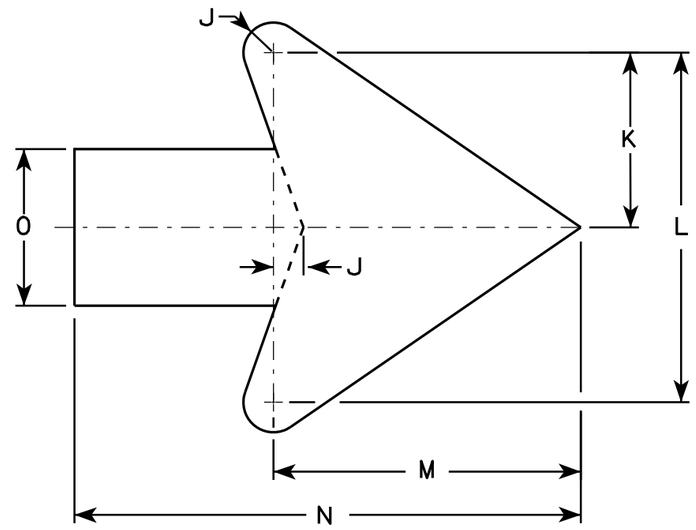
DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 848	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

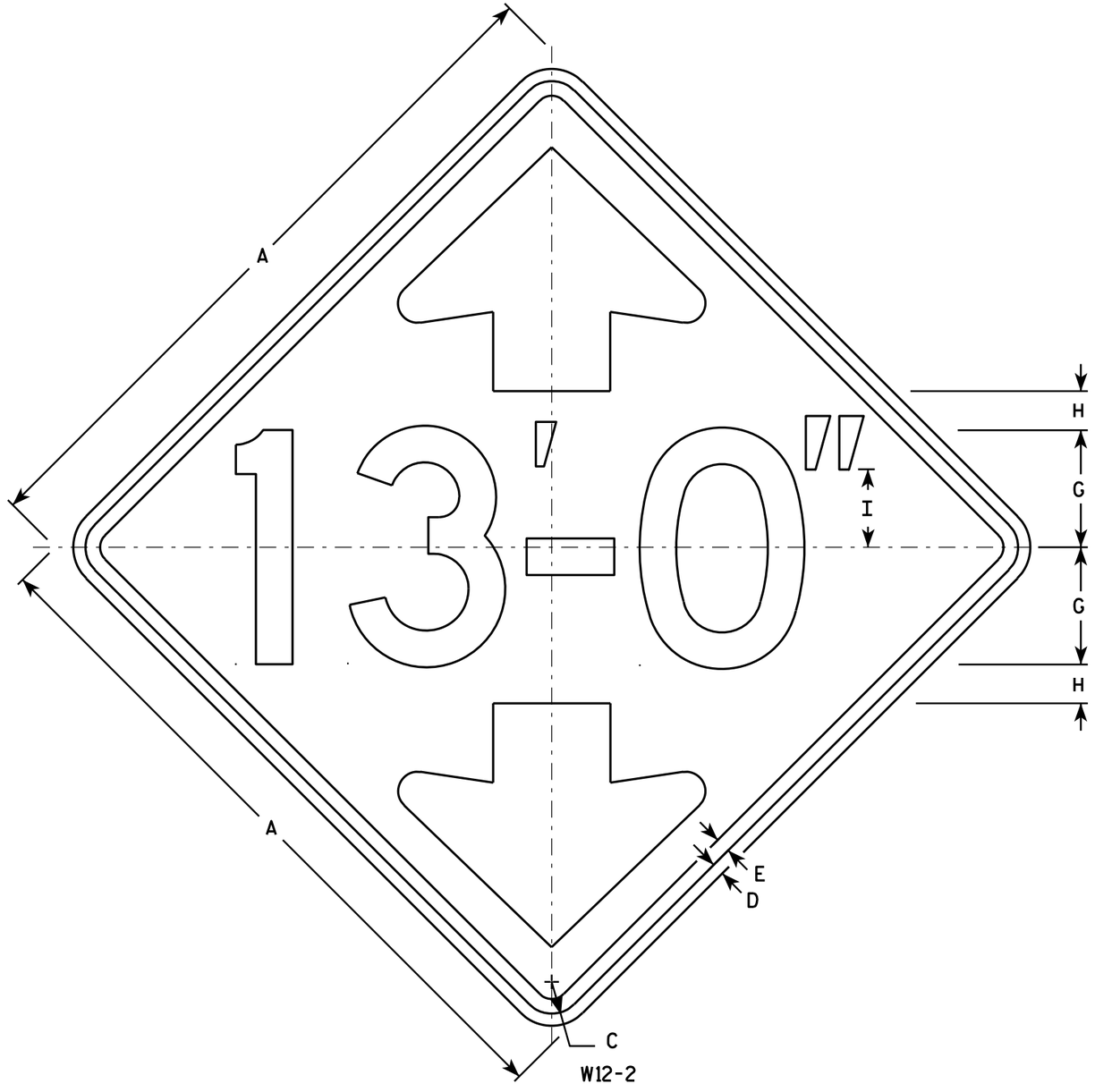
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

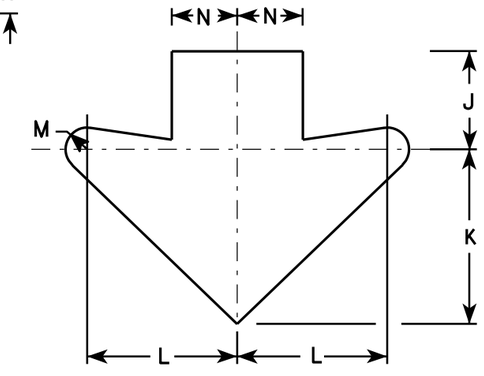
DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 849	E

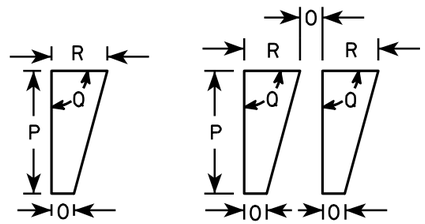


NOTES

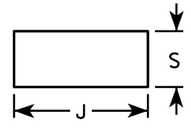
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.



Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

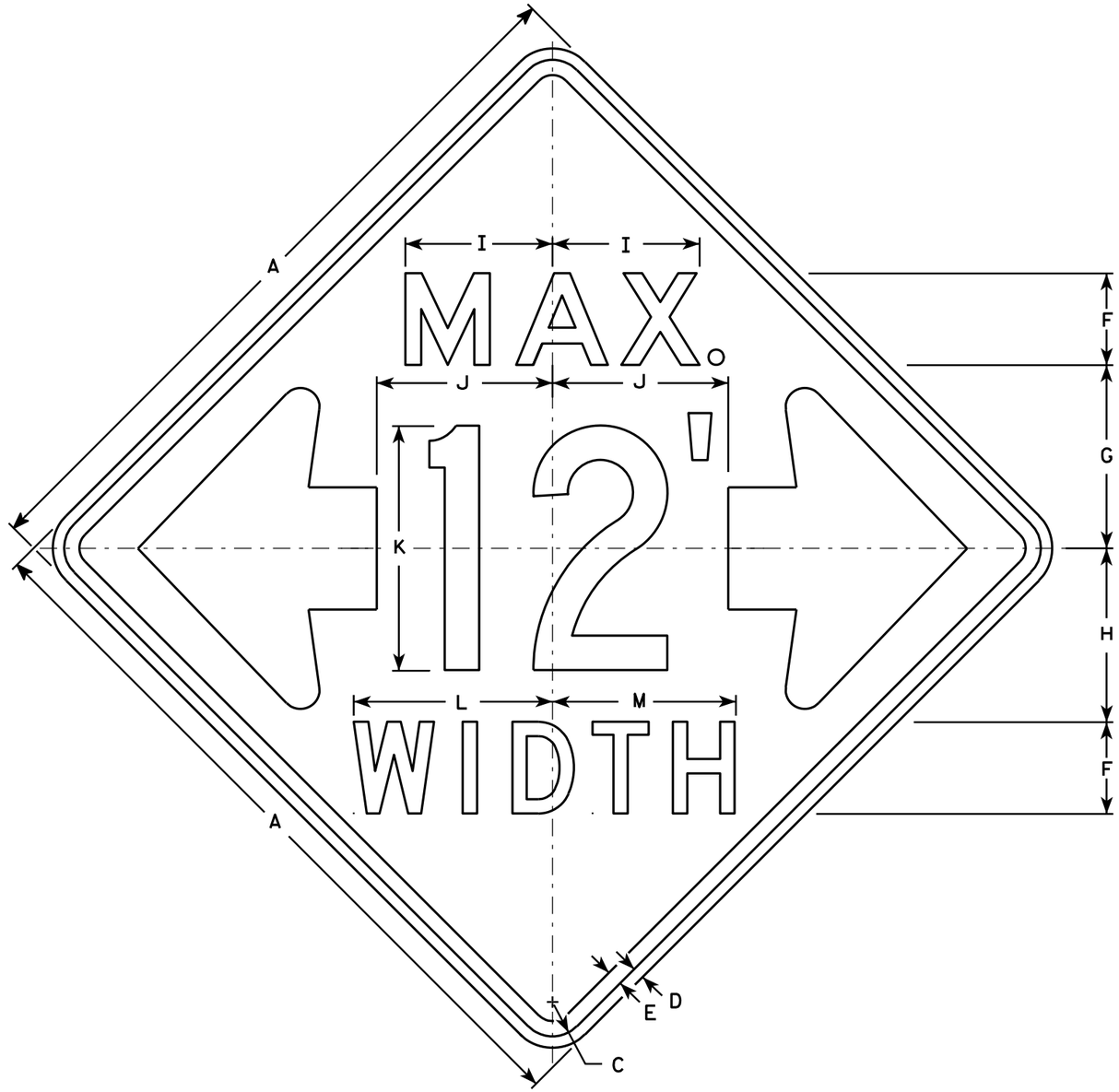
STANDARD SIGN
W12-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-2.9

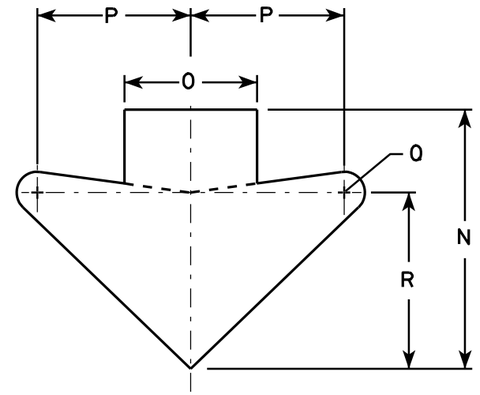
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 850	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

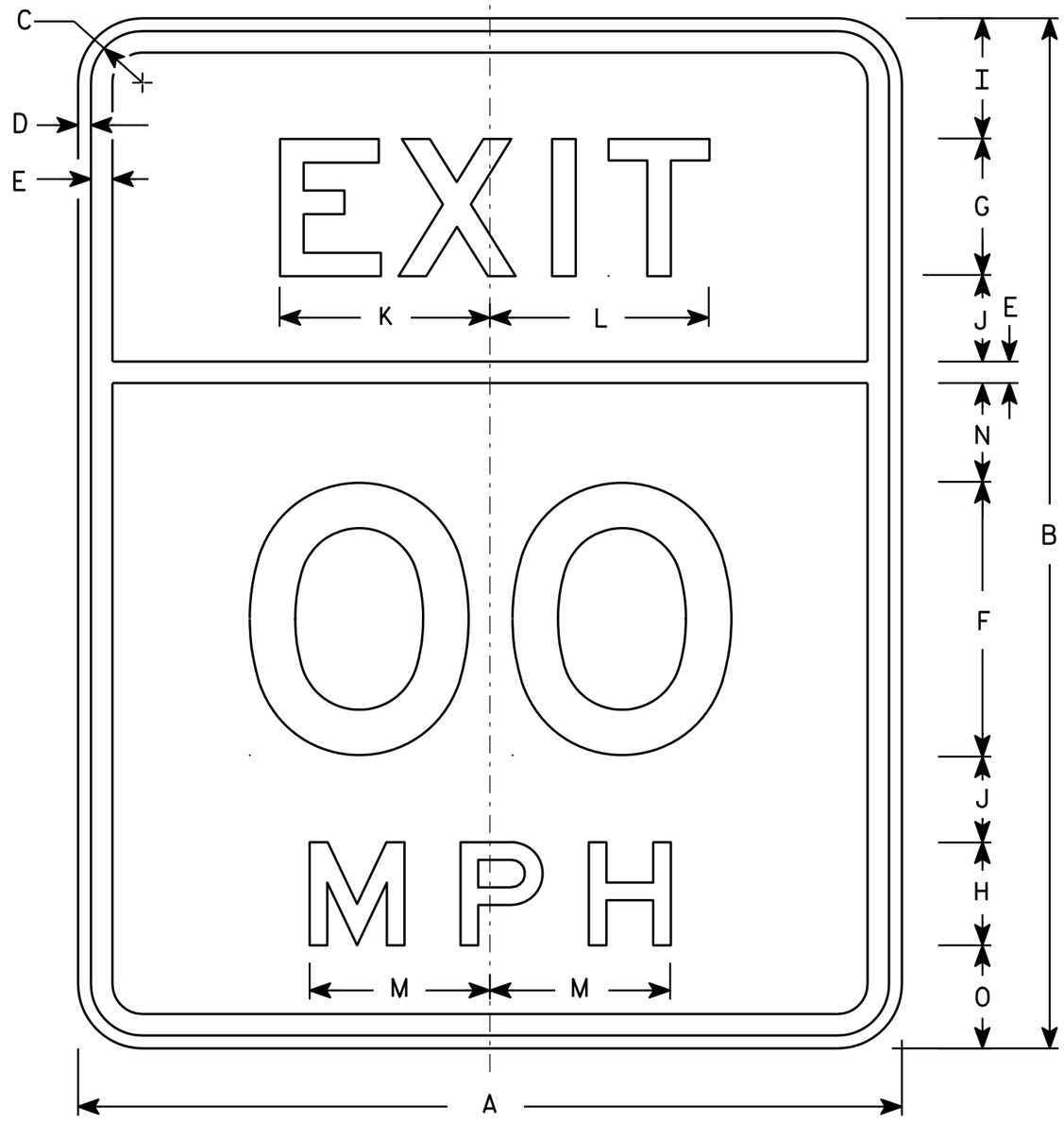
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 851 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



W13-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
2M	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0

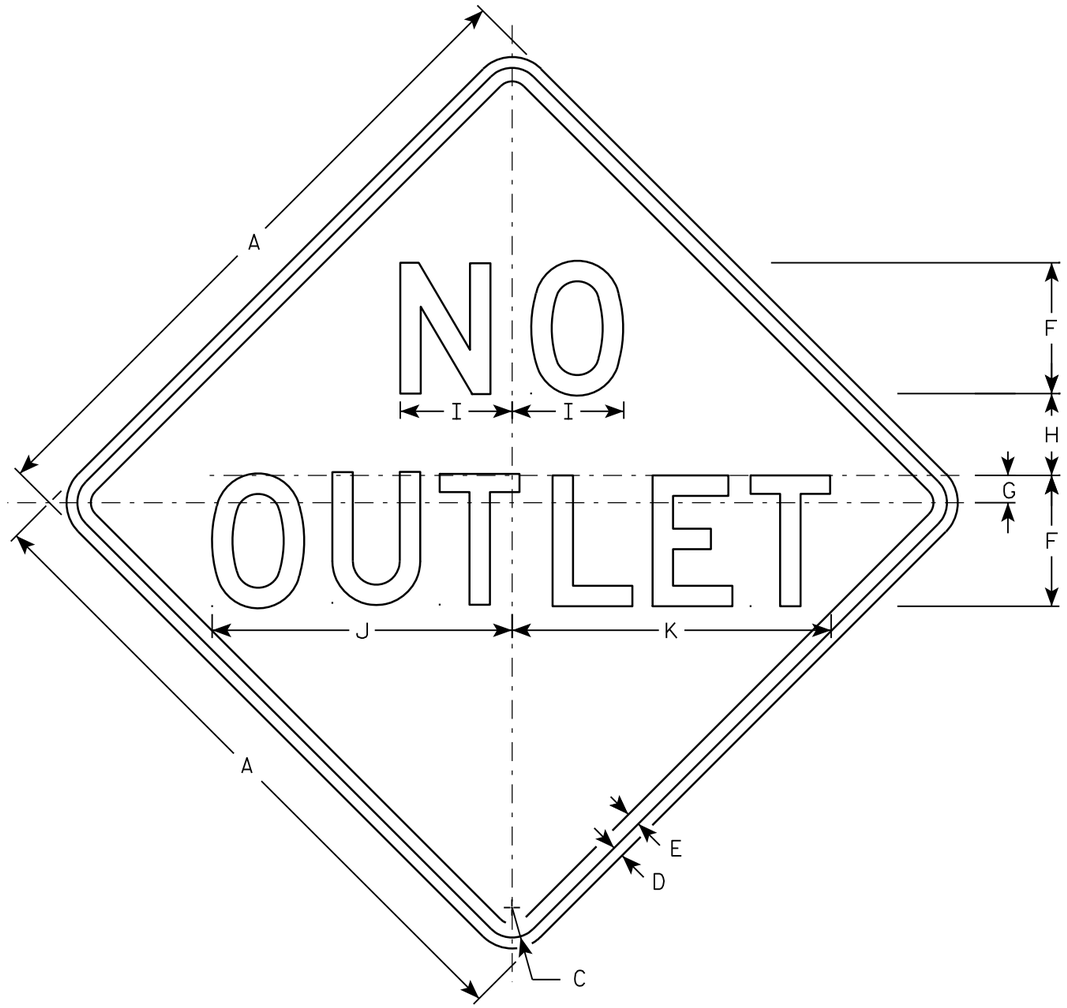
STANDARD SIGN
W13-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-2.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 852	E



W14-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

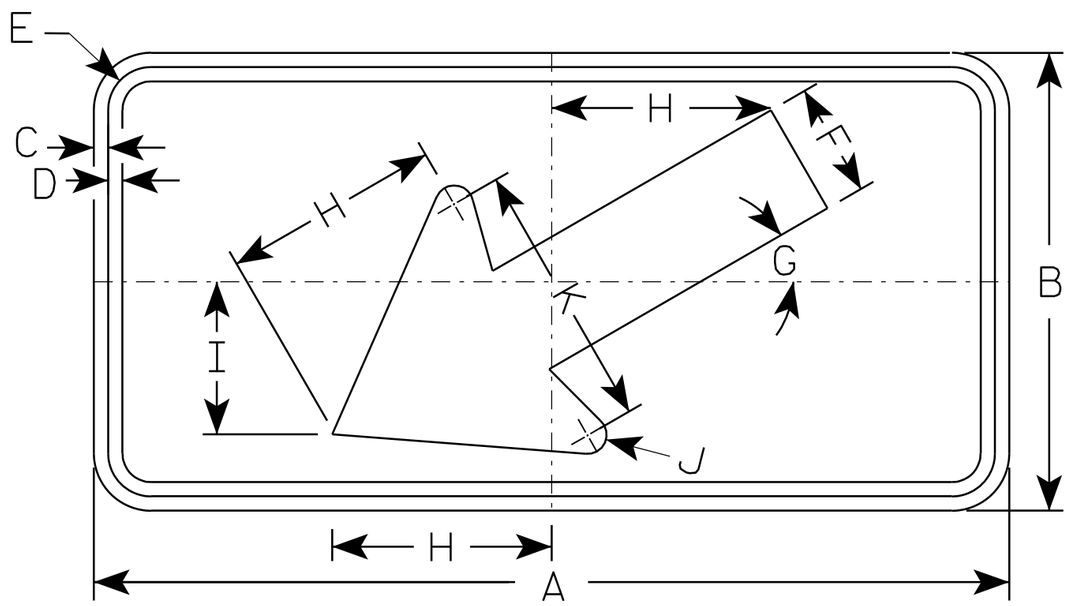
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-2.3

PROJECT NO:

SHEET NO: 853 E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

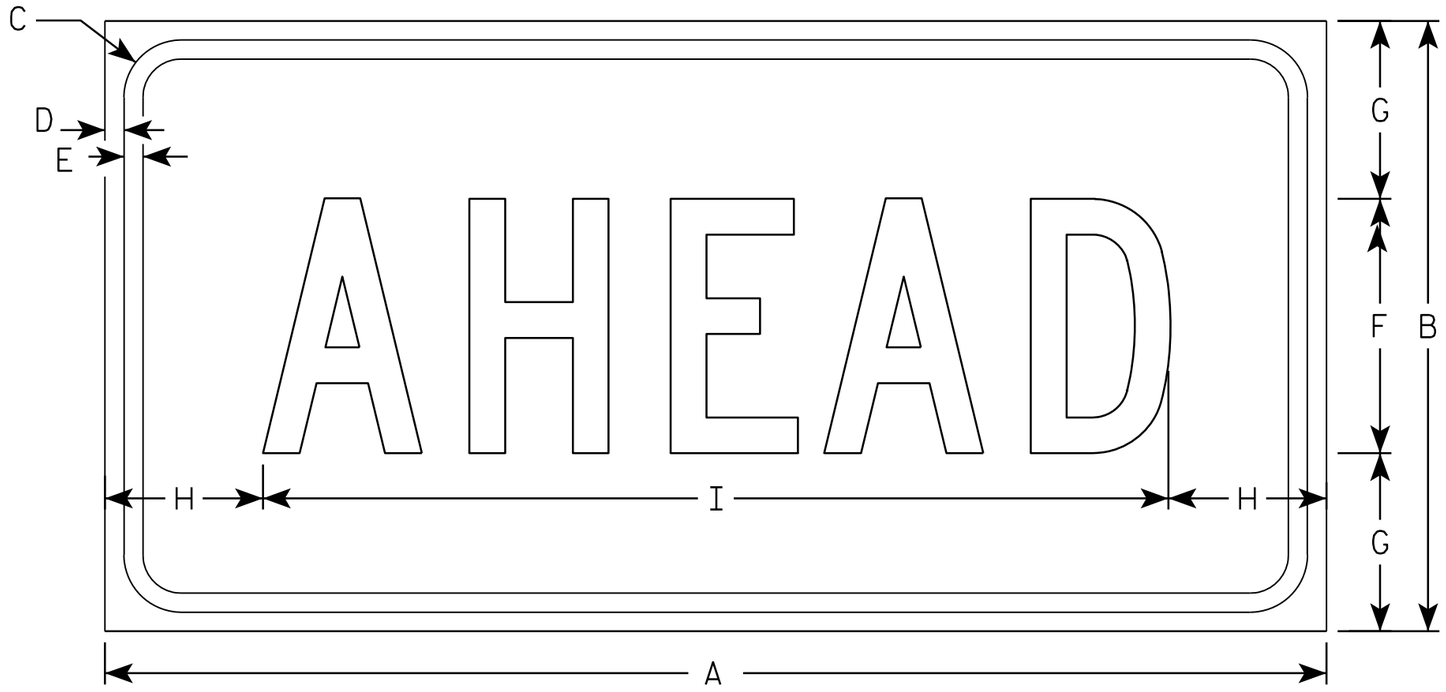
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 854	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

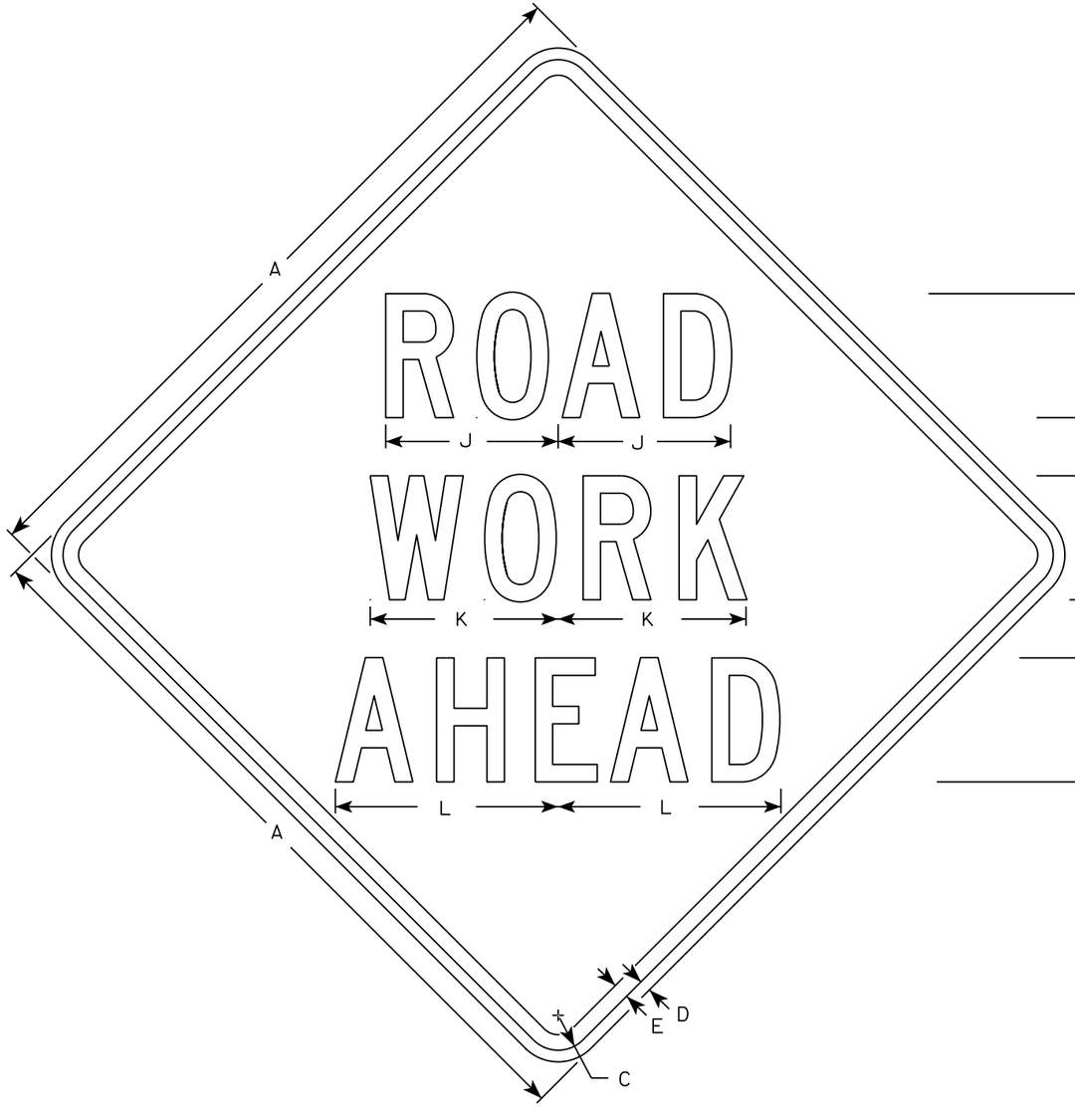
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

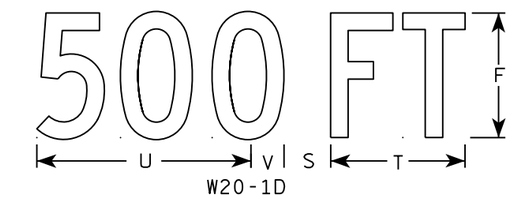
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

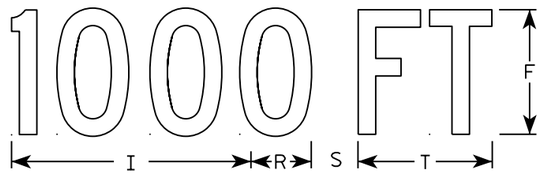
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 855	E



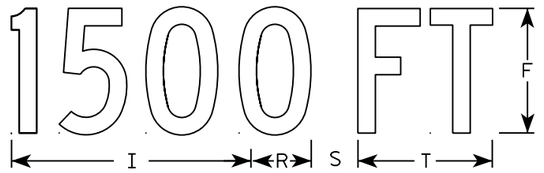
W20-1A



W20-1D



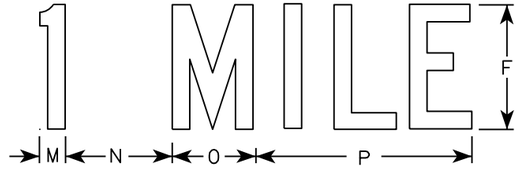
W20-1C



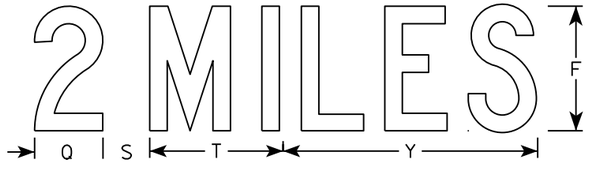
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

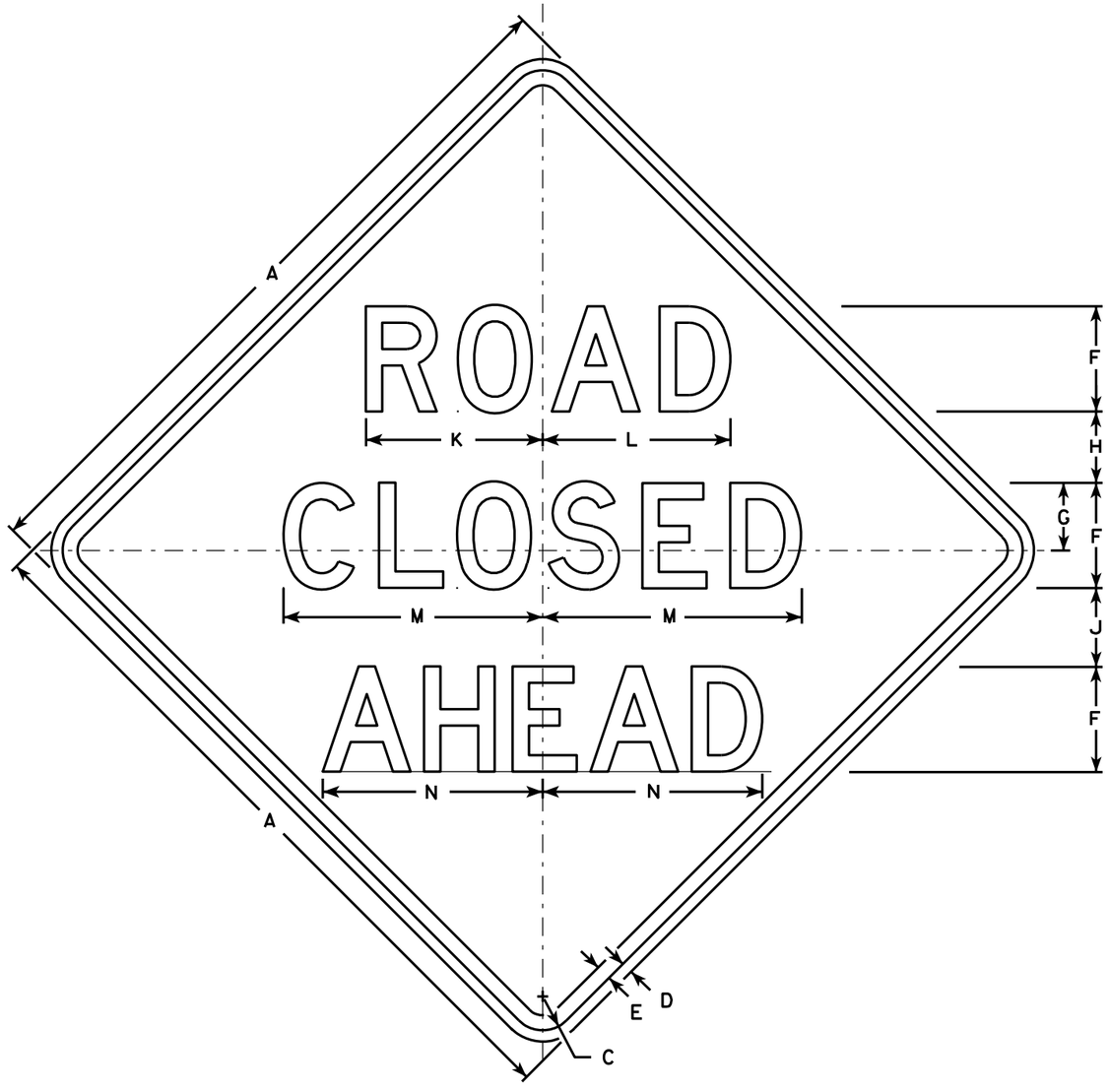
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

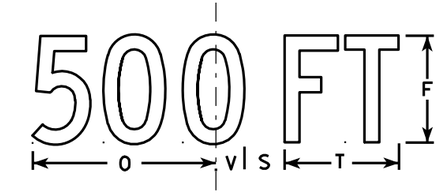
PROJECT NO:

SHEET NO: E

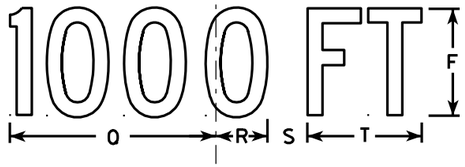
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



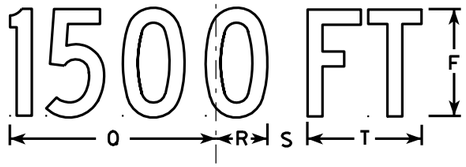
W20-3A



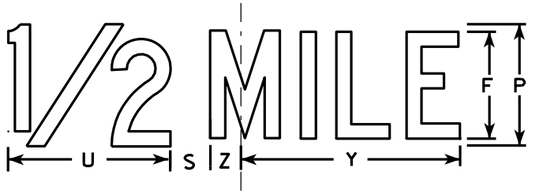
W20-3D



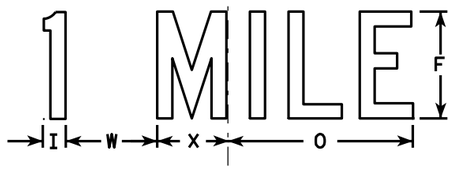
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

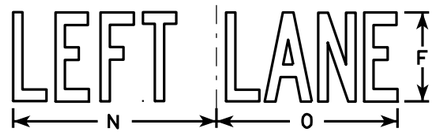
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 857 | E

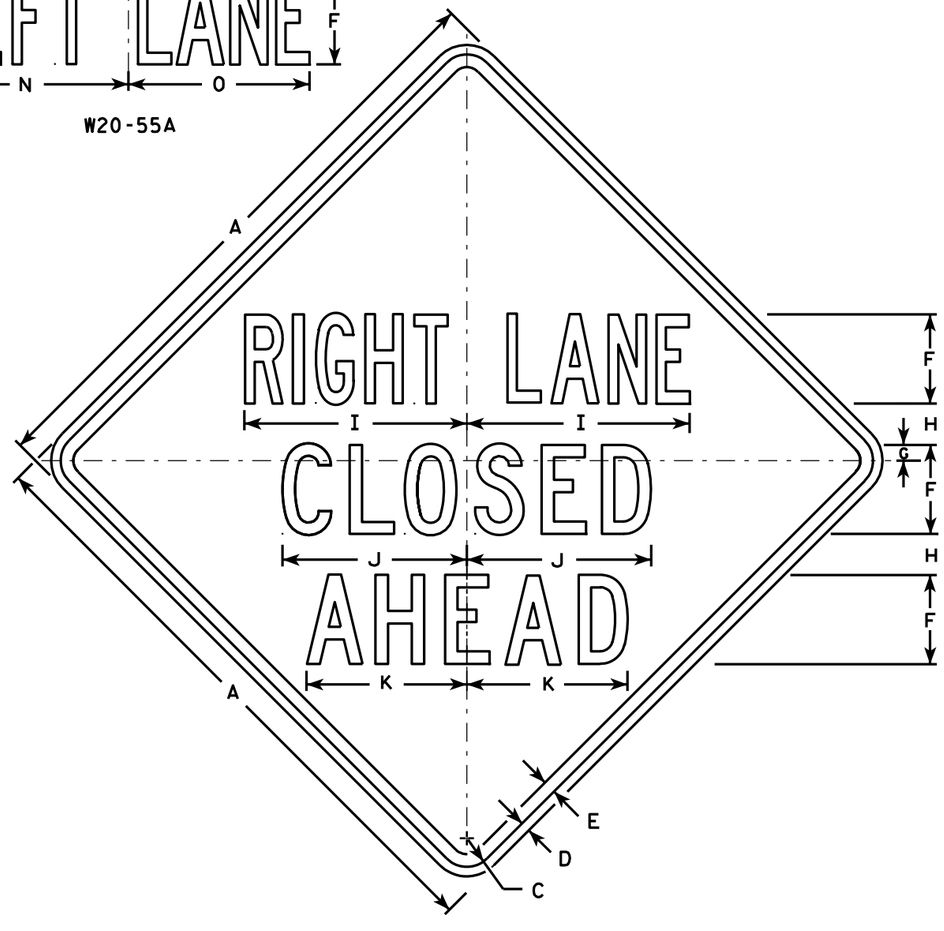
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



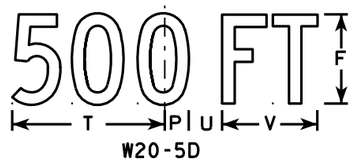
W20-56A



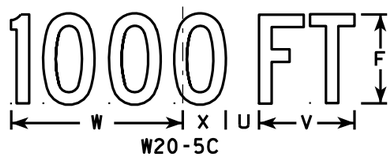
W20-55A



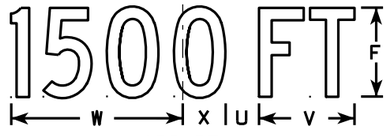
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

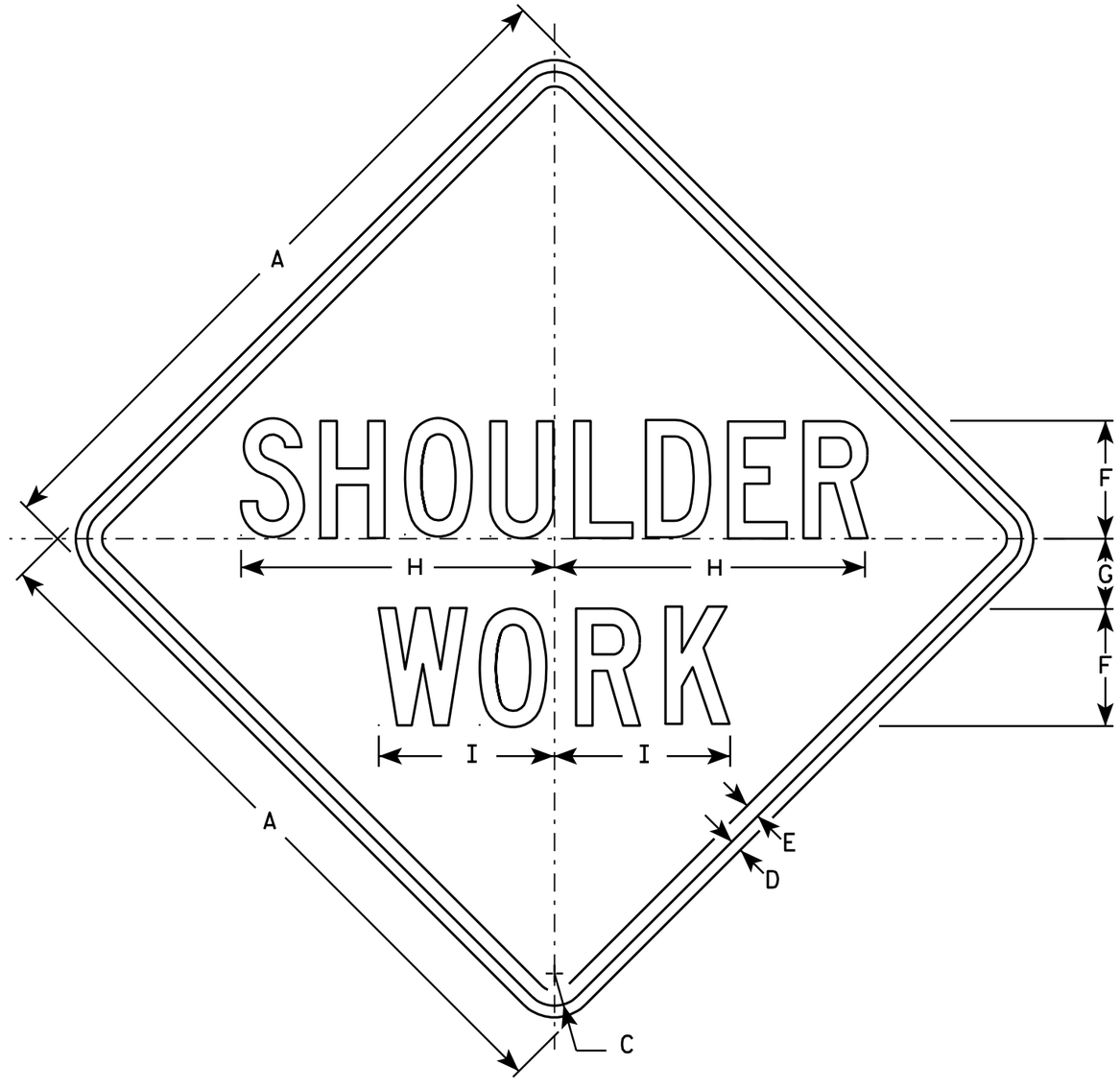
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 858	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

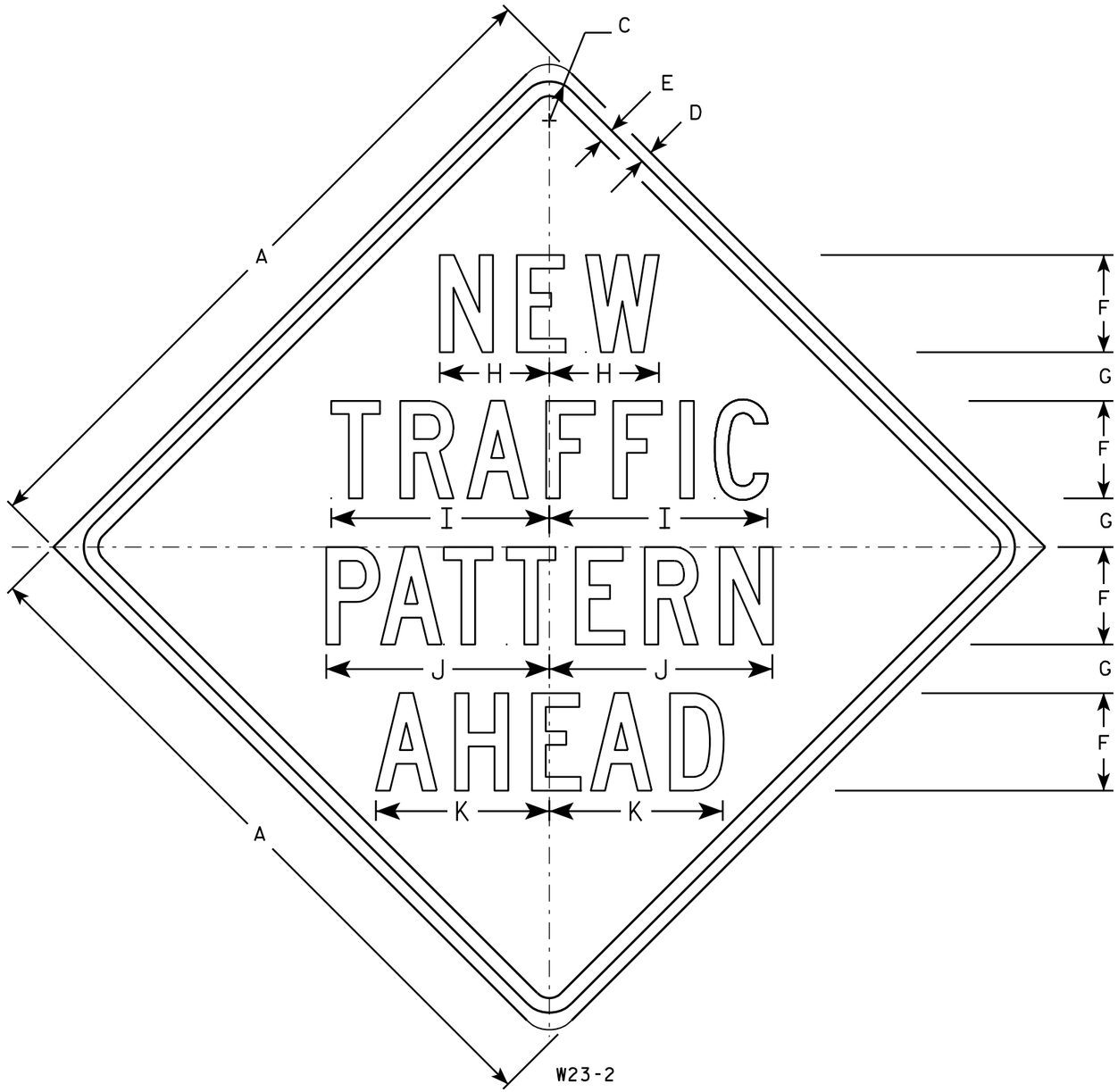
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 859	E



NOTES

1. Sign isType II - Type F Reflective - reference WIS DOT Standard Specification forHIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	5	2 1/2	5 5/8	11 1/4	11 1/2	8 7/8																9.0
2M	36		1 5/8	5/8	3/4	5	2 1/2	5 5/8	11 1/4	11 1/2	8 7/8																9.0
3																											
4																											
5																											

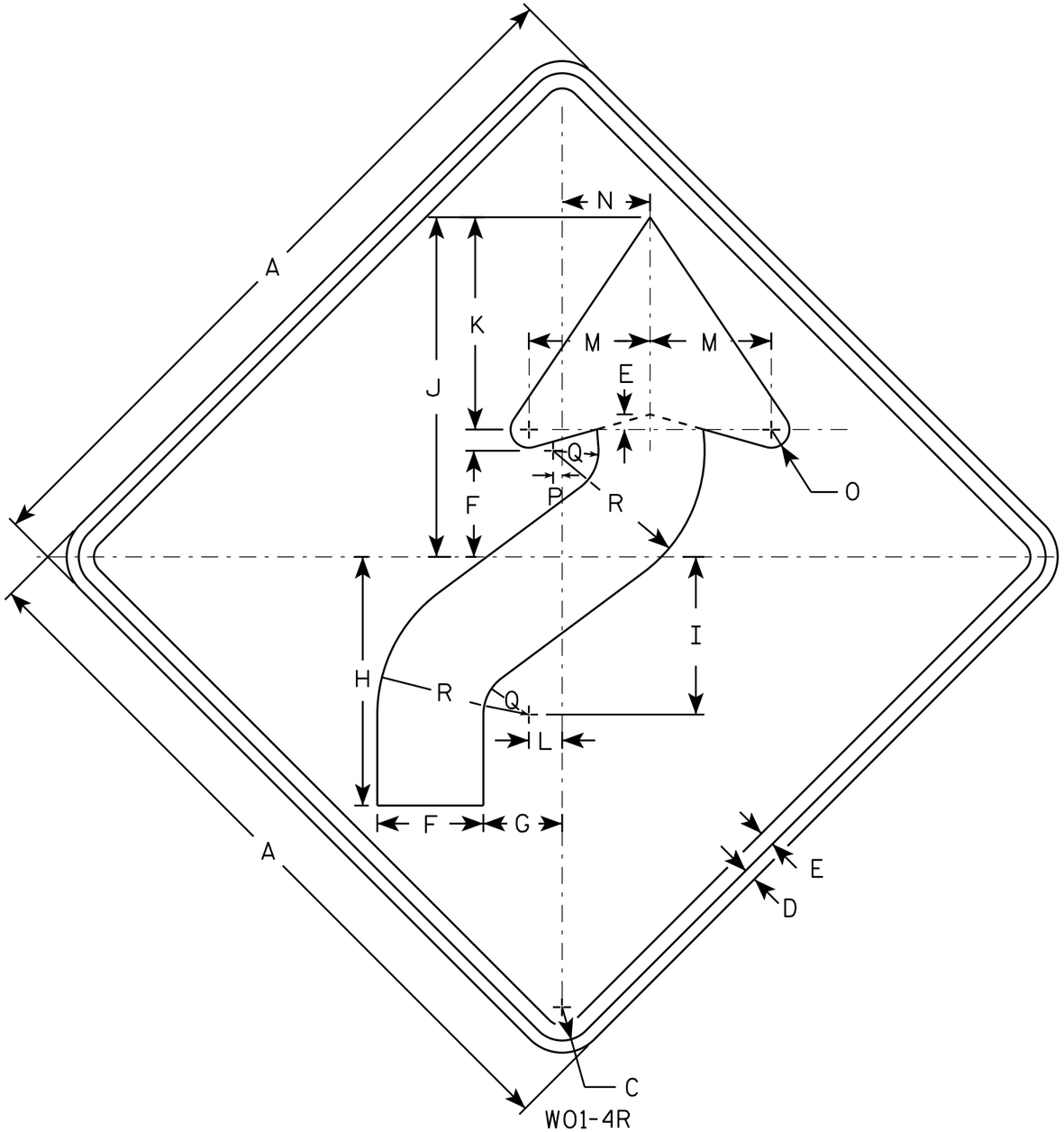
STANDARD SIGN
W23-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W23-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 860 | E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

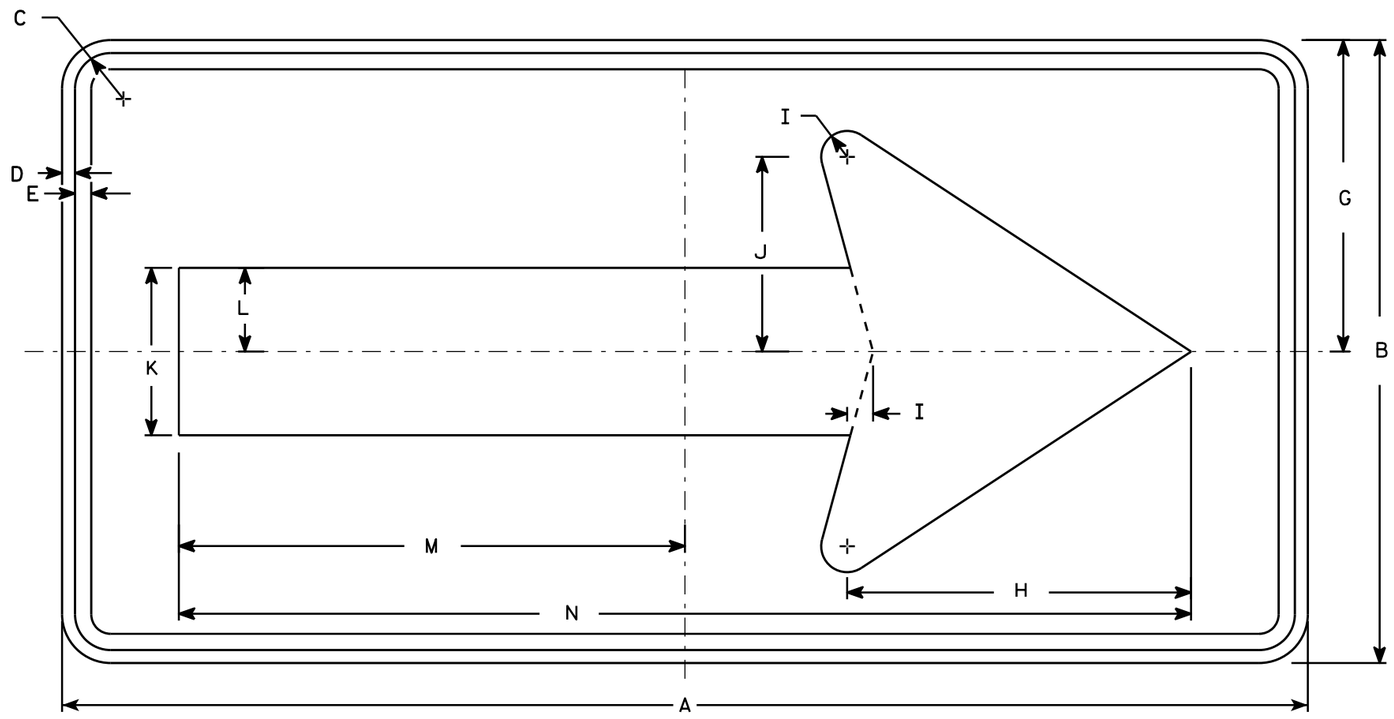
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

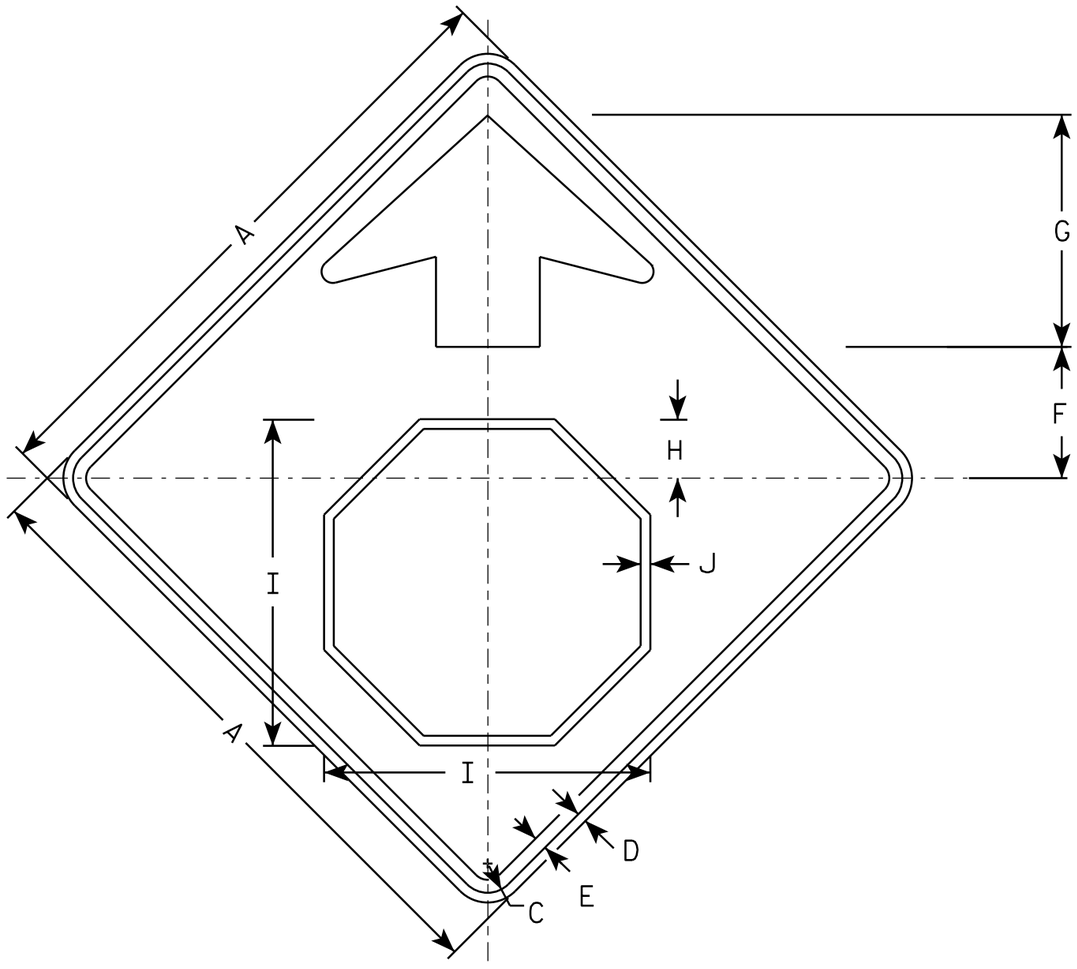
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

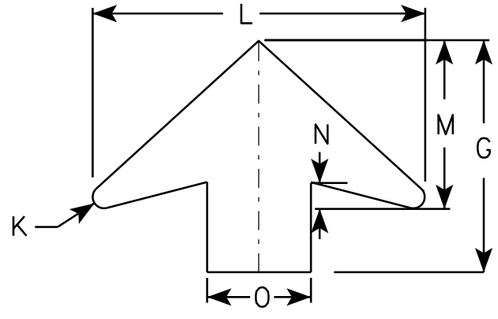
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

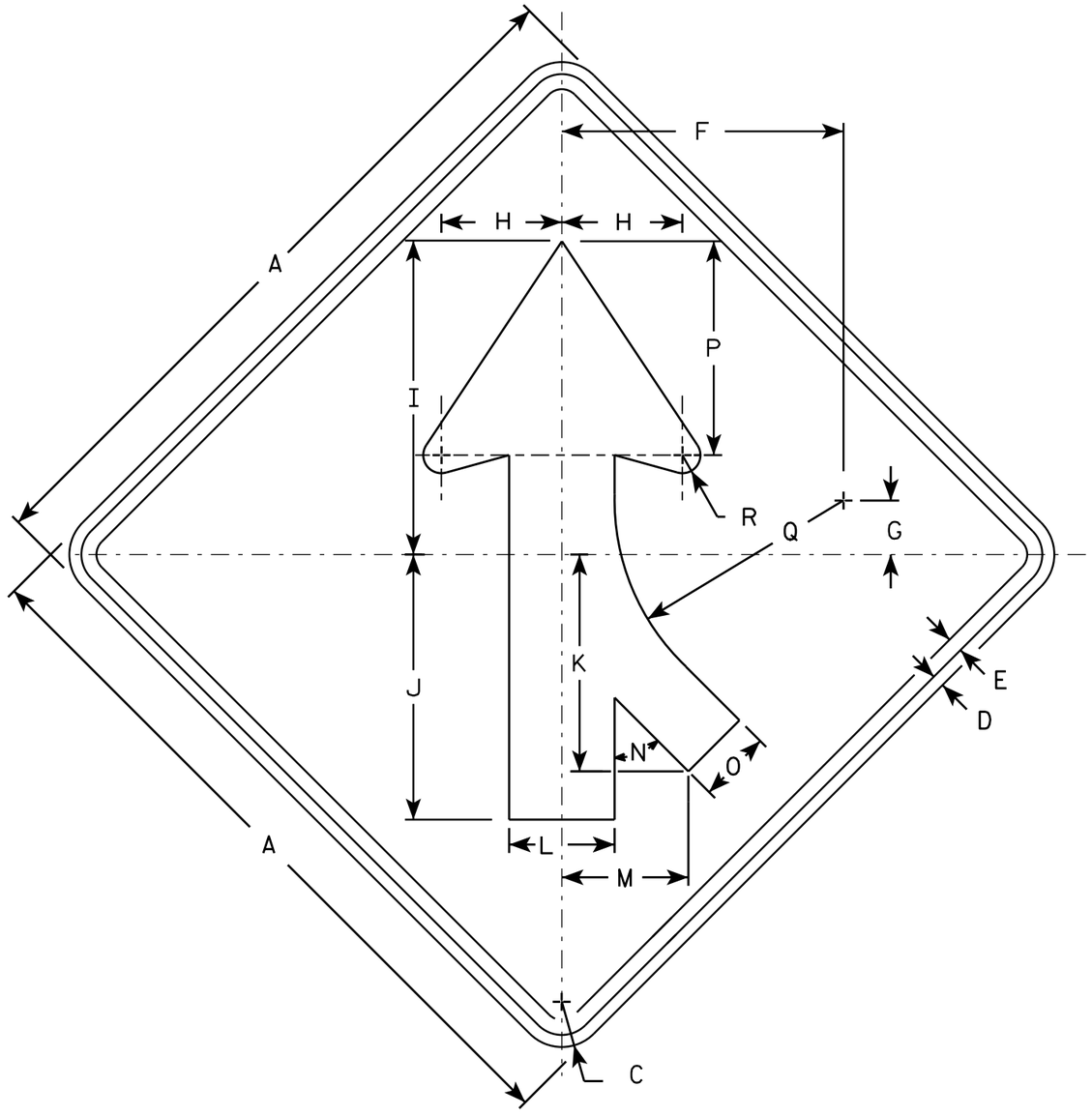
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 863 03-1.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

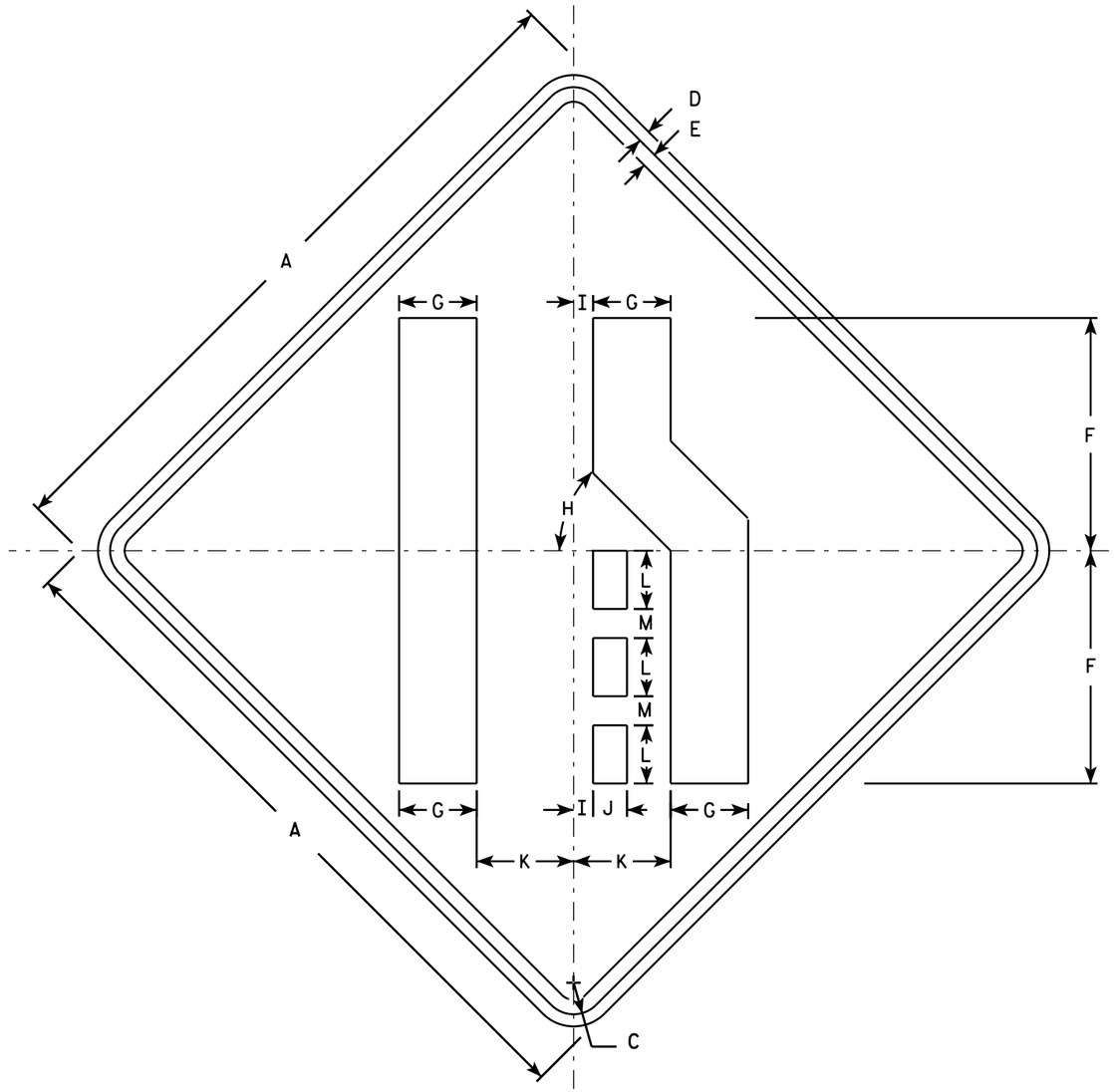
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W04-1.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

7



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

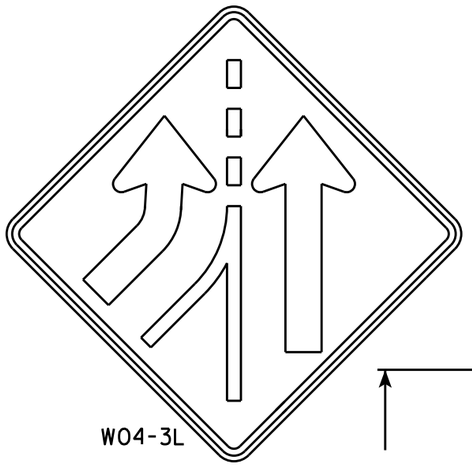
STANDARD SIGN
W04-2

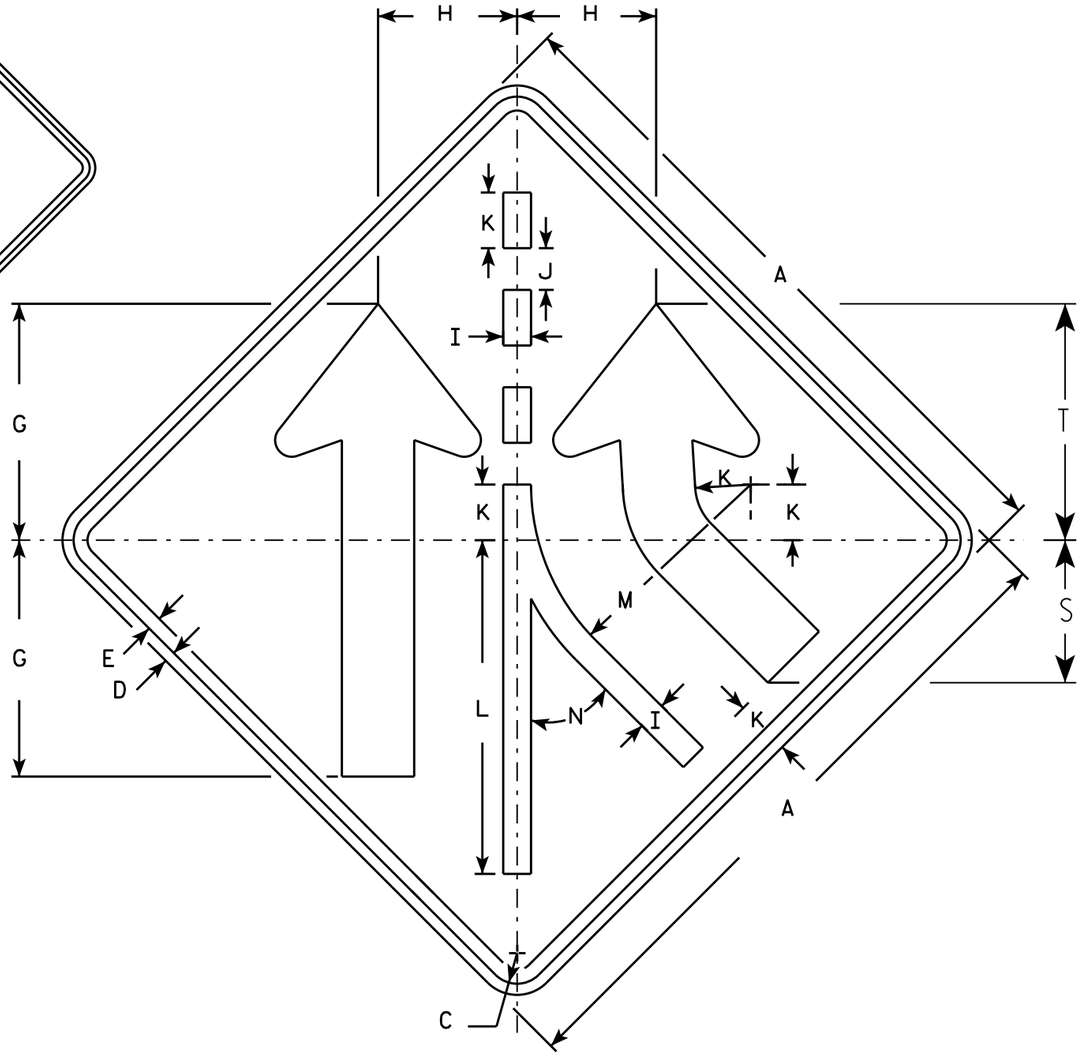
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 865 W04-2.1

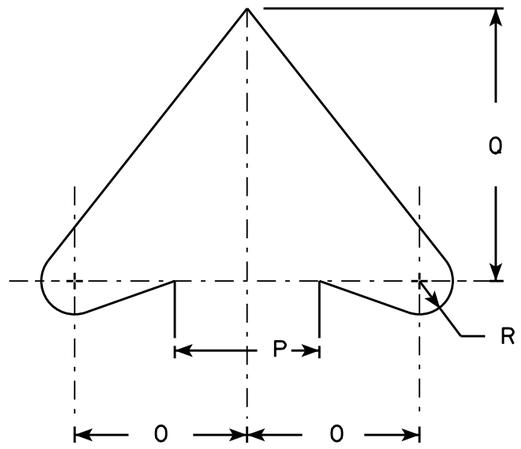
PROJECT NO: | SHEET NO: E





NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-3 L is the same as W04-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

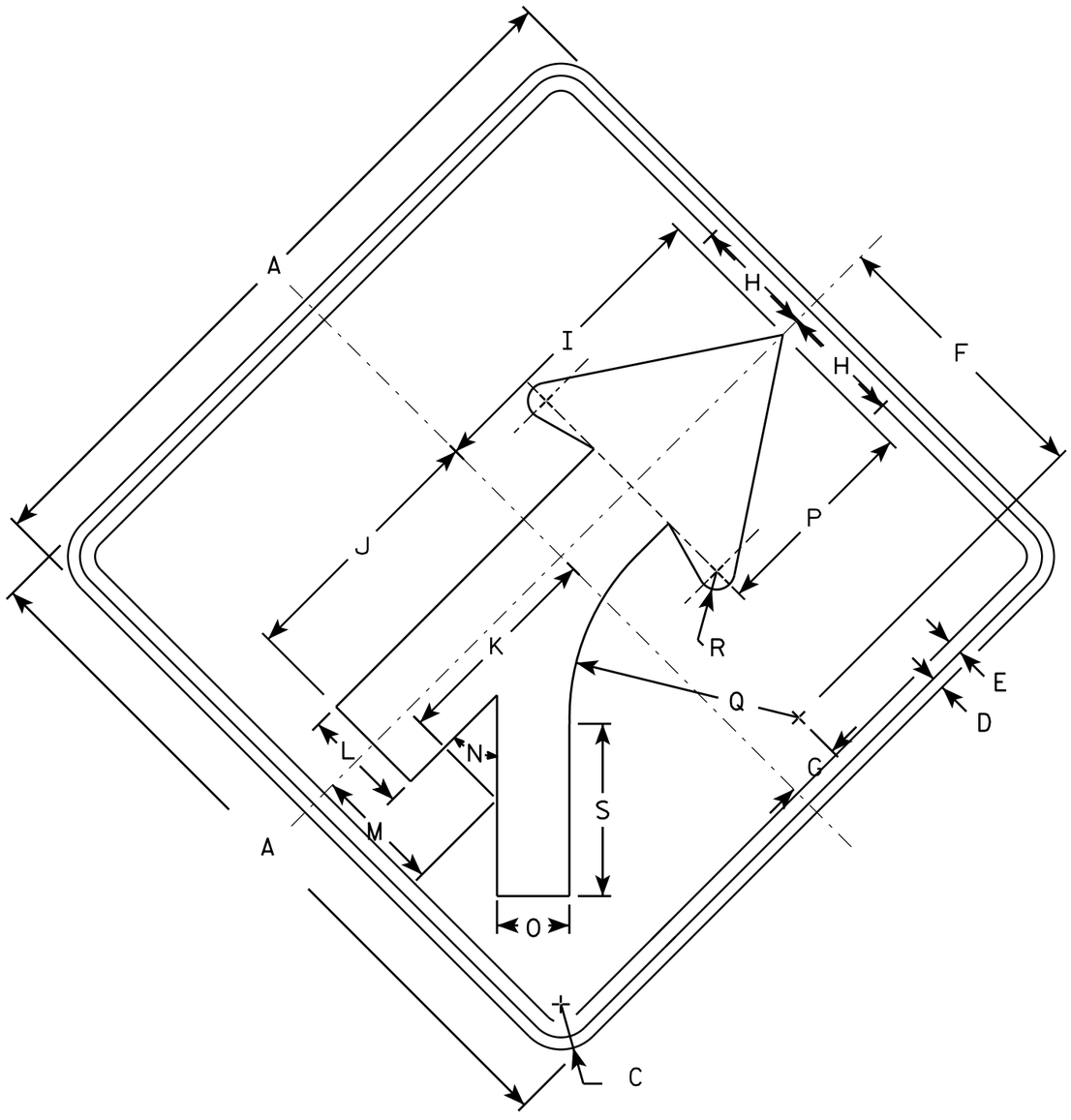
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W04-3.1

PROJECT NO:

SHEET NO: E



W04-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN
W04-5

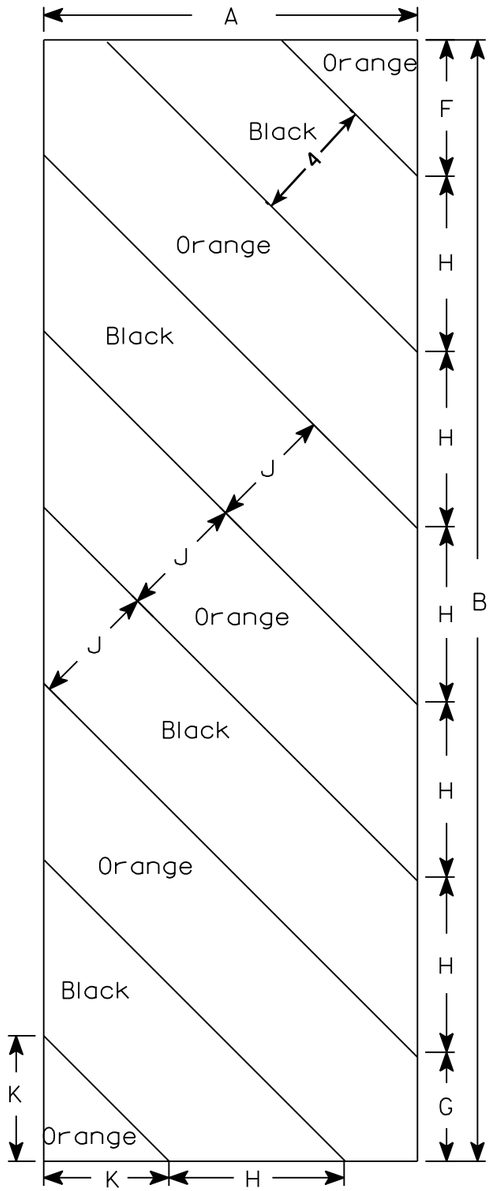
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

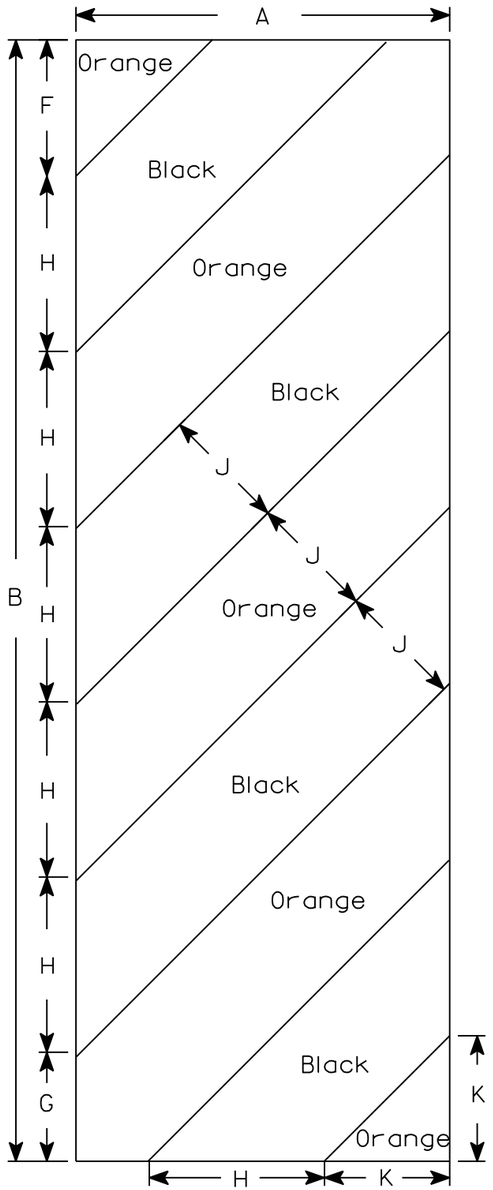
DATE 4/28/16 PLATE NO W04-5.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.DGN PLOT DATE : 28-APR-2016 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

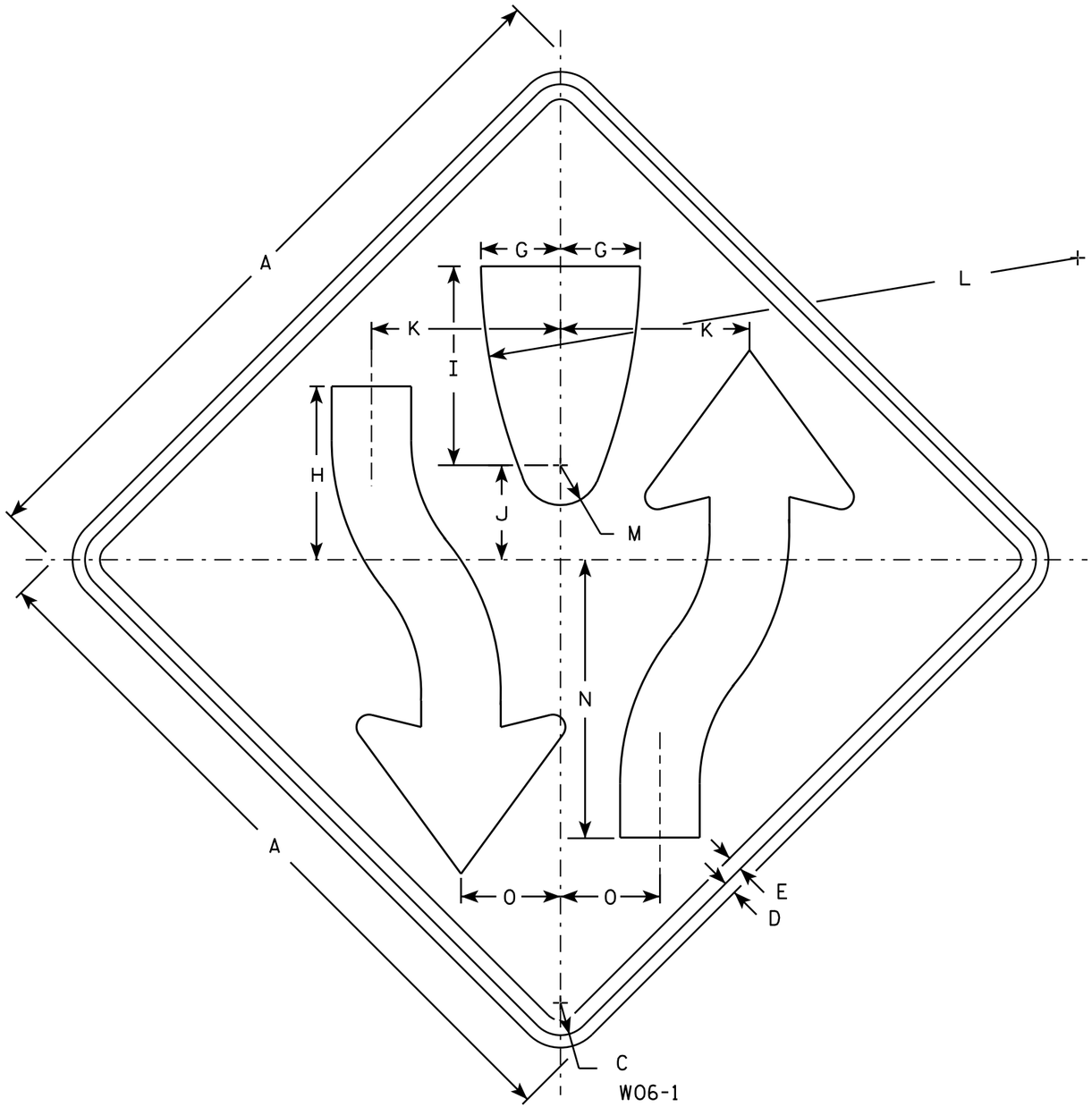
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

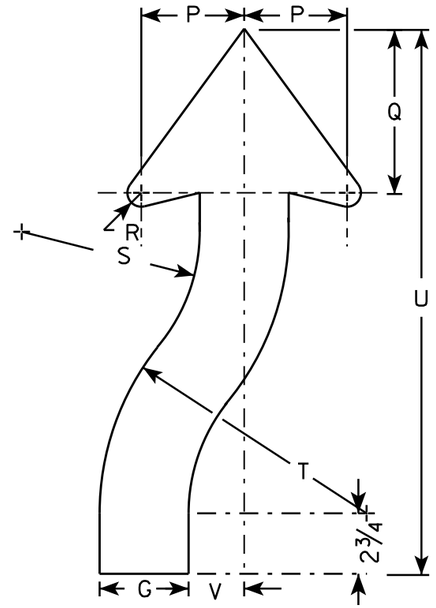
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

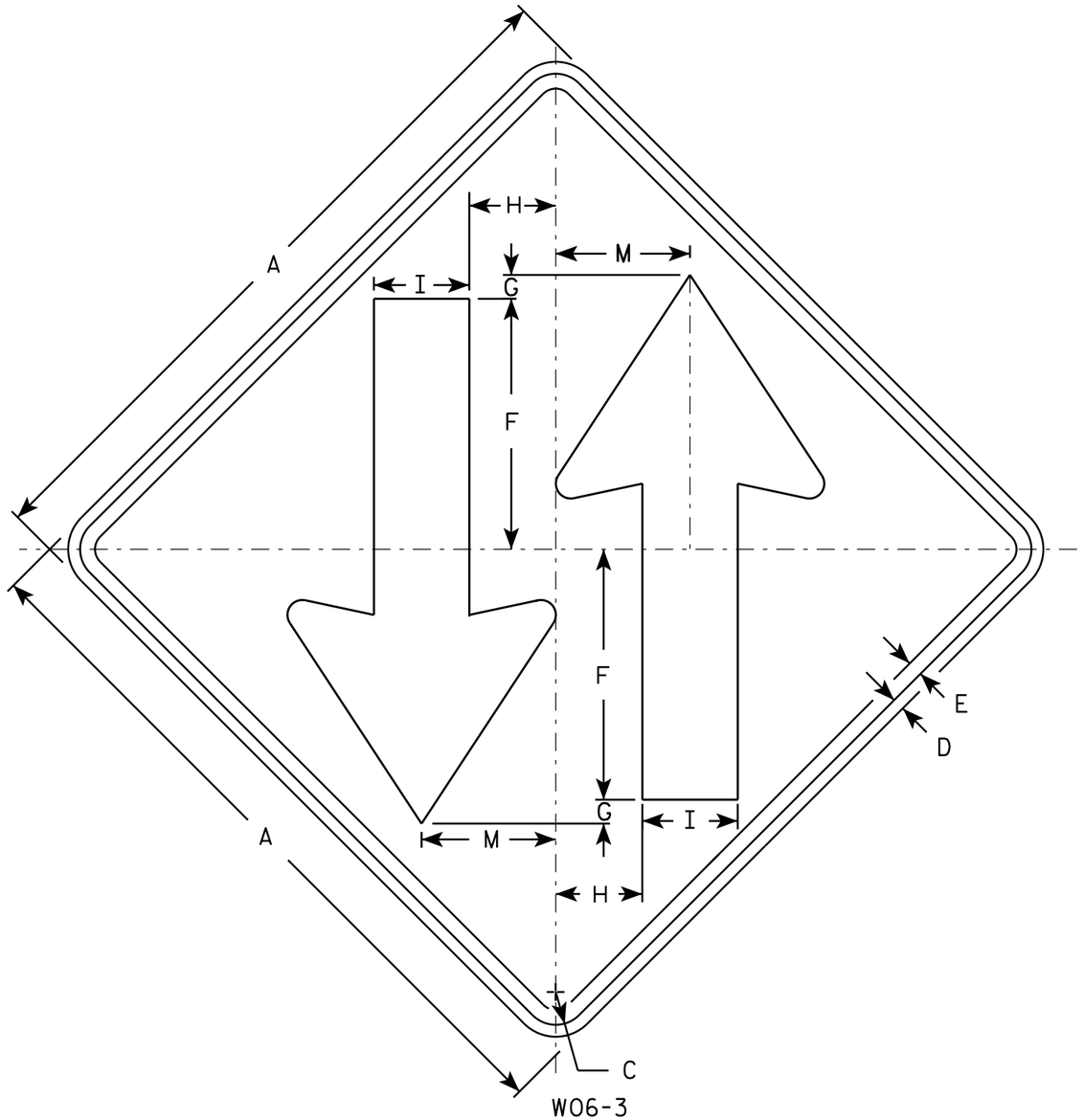
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

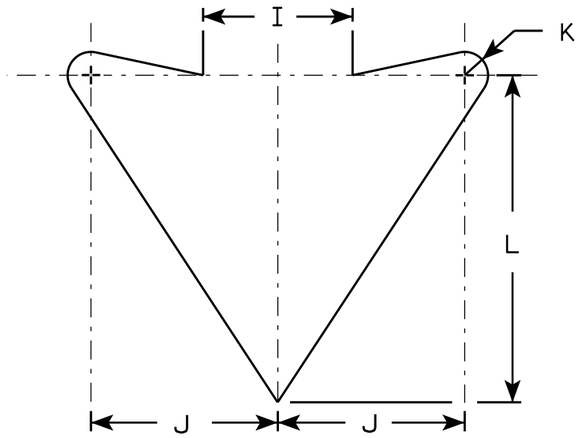
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W06-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

STANDARD SIGN
W06-3

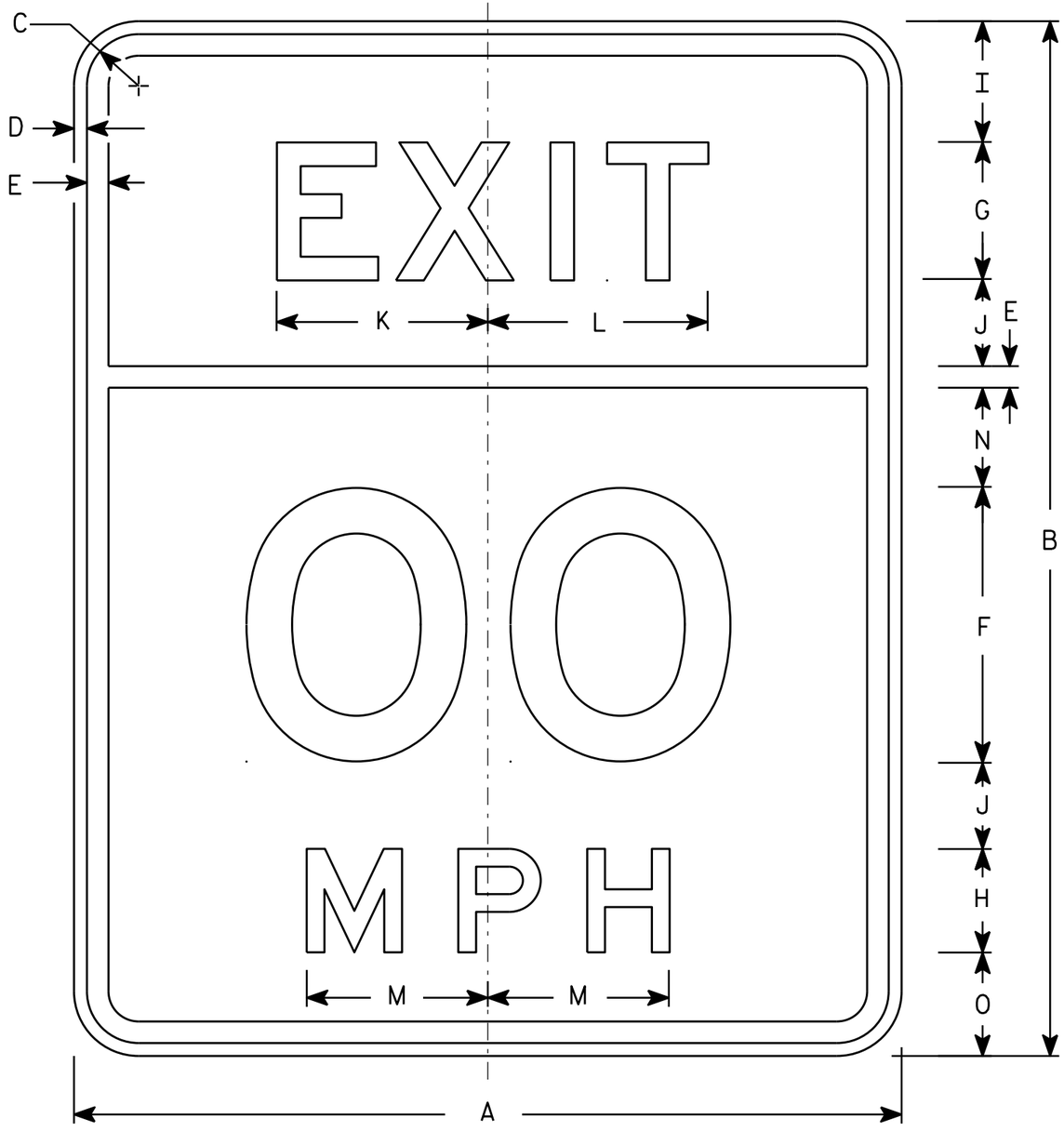
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 870 W06-3.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W063.DGN PLOT DATE : 20-NOV-2013 12:14 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W013-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
2M	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0

STANDARD SIGN
W013-2

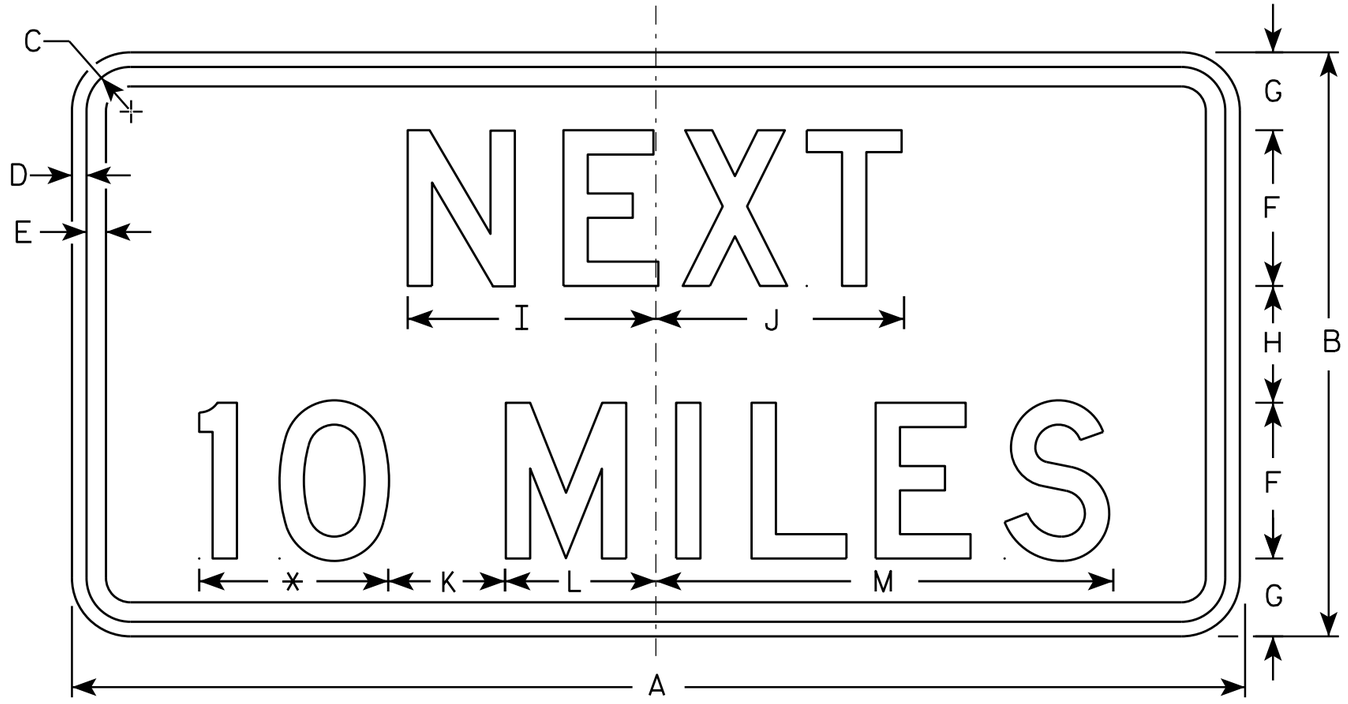
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/14 PLATE W013-2.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0132.DGN PLOT DATE : 10-MAR-2014 13:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 4.086268:1.000000
WISDOT/CADDS SHEET 42



W057-51

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0

STANDARD SIGN
W057-51

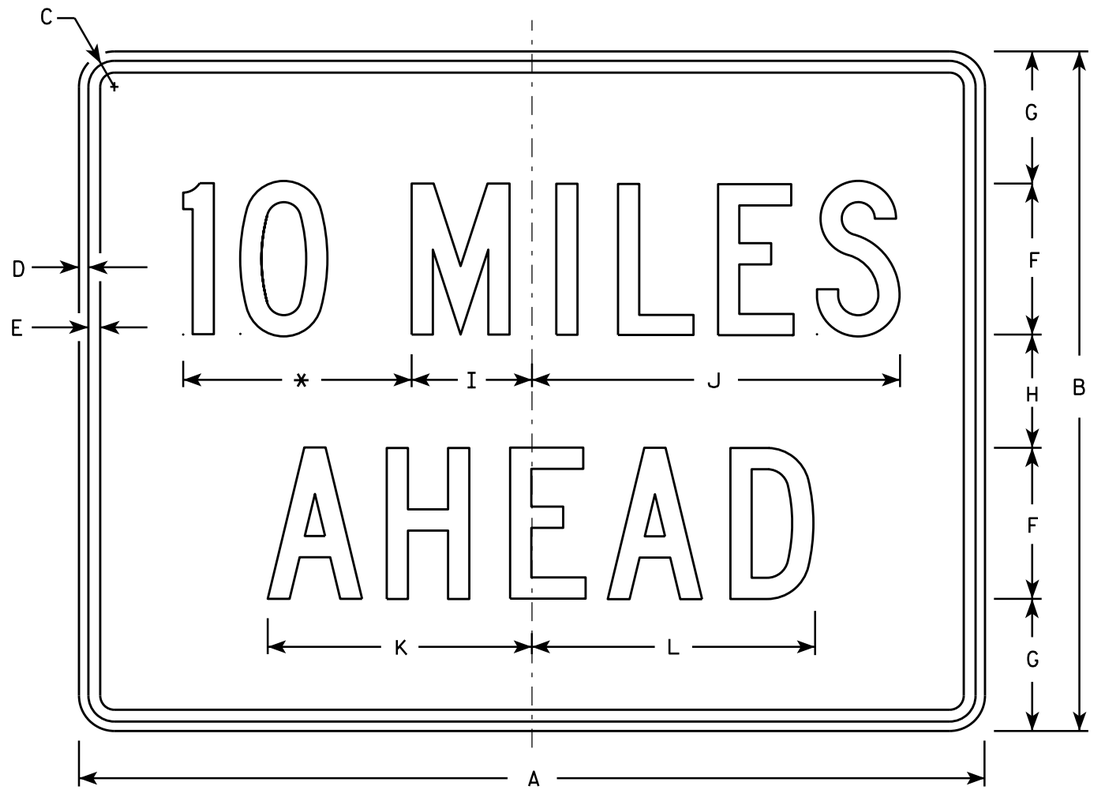
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

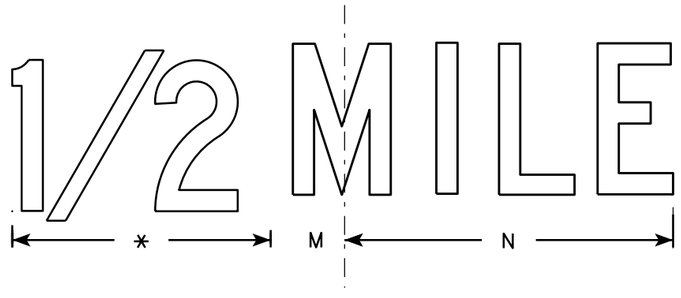
DATE 11/20/13 PLATE W057-51.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7



W057-52



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W057-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

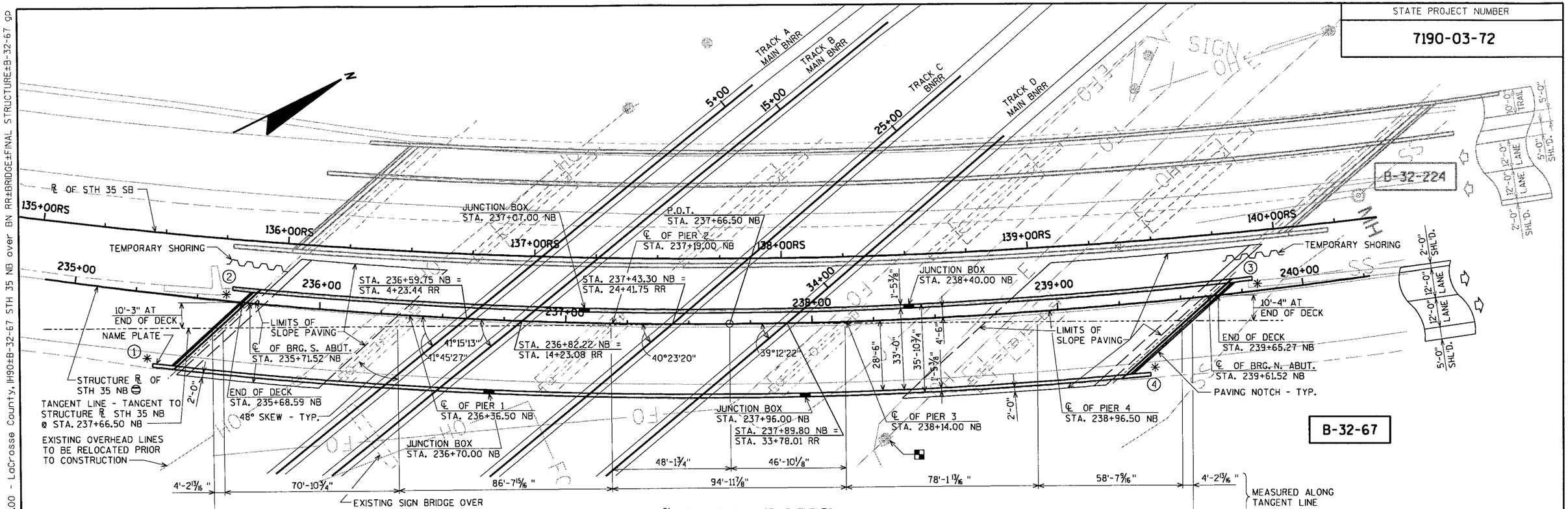
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W05752.DGN PLOT DATE : 28-FEB-2014 11:42 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 8.026599:1.000000 WISDOT/CADDS SHEET 42

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67.gp

DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

STATE PROJECT NUMBER

7190-03-72

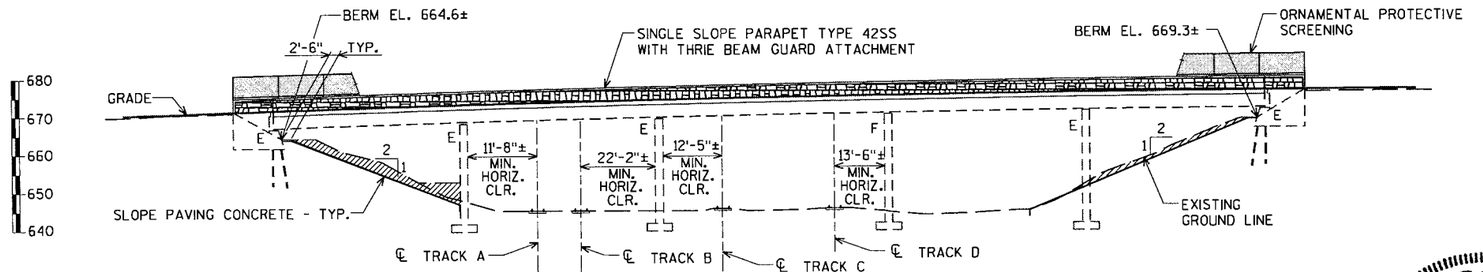


CURVE DATA

STRUCTURE ℄ STH 35 NB ⊖
P.I. STA. 237+64.32
Y = 152961.06
X = 450653.36
△ = -16°18'36
D = 2°59'60"
R = 1909.86'
T = 273.68
L = 543.67
S.E. = 0.050%
P.C. STA. 234+90.64
P.T. STA. 240+34.31

PLAN

FIVE-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE
DECK REPLACEMENT



ELEVATION

(TAKEN NORMAL TO RAILROAD TRACKS)
(LOOKING NORTH)

⊖ NOTE: NOT SAME AS ℄ ON ROAD PLANS

✳ ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL.

◯ DENOTES WING NUMBER

EXISTING OVERHEAD ELECTRICAL LINES TO REMAIN. CONSTRUCTION MUST BE ACCOMPLISHED WITH LINES IN PLACE. SEE SPECIAL PROVISIONS FOR INFORMATION ON DE-ENERGIZING LINES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND CONSTRUCTION METHODS WILL BE REQUIRED.

COST OF EXCAVATION AND FILL IN THE HATCHED AREAS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR "EXCAVATION FOR STRUCTURES BRIDGES B-32-67".

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION AND NOTES
3. QUANTITIES AND PROFILE GRADE LINES
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT WING 1 DETAILS
6. SOUTH ABUTMENT WING 2 DETAILS
7. SOUTH ABUTMENT DETAILS AND BILL OF BARS
8. NORTH ABUTMENT
9. NORTH ABUTMENT WING 3 DETAILS
10. NORTH ABUTMENT WING 4 DETAILS
11. NORTH ABUTMENT DETAILS AND BILL OF BARS
12. DECK ELEVATIONS
13. TABLE OF DEFLECTIONS
14. SUPERSTRUCTURE & BEARING DETAIL
15. LONGITUDINAL SLAB STEEL LAYOUT
16. TRANSVERSE SLAB STEEL LAYOUT
17. HAUNCH REINFORCEMENT DETAILS
18. SUPERSTRUCTURE BILL OF BARS
19. EXPANSION JOINT DETAILS AT ABUTMENTS
20. EXPANSION JOINT DETAILS SOUTH ABUTMENT
21. EXPANSION JOINT DETAILS NORTH ABUTMENT
22. SINGLE SLOPE PARAPET 42SS
23. SLOPE PAVING
24. ARCHITECTURAL SURFACE TREATMENT
25. ORNAMENTAL PROTECTIVE SCREENING

WISCONSIN PROFESSIONAL ENGINEER
DANIEL N. SYDOW
E-38363
WI
9/23/2016

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
DAN SYDOW
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 09/27/16
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-32-67

STH 35 NB OVER BN RR

COUNTY LA CROSSE ~~TOWN/CITY/VILLAGE~~ ONALASKA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	CJM	DESIGN CK'D.	AEB	DRAWN BY	CLS	PLANS CK'D.	BNS

GENERAL PLAN

SHEET 1 OF 25
874

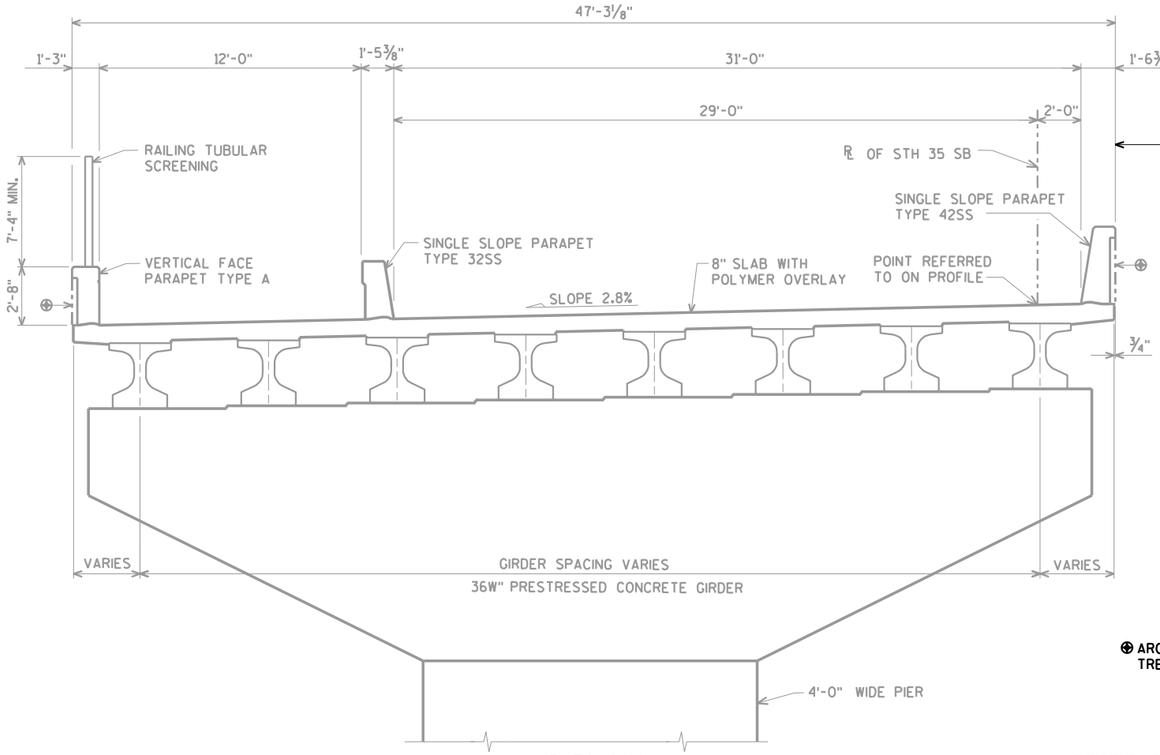
8

8

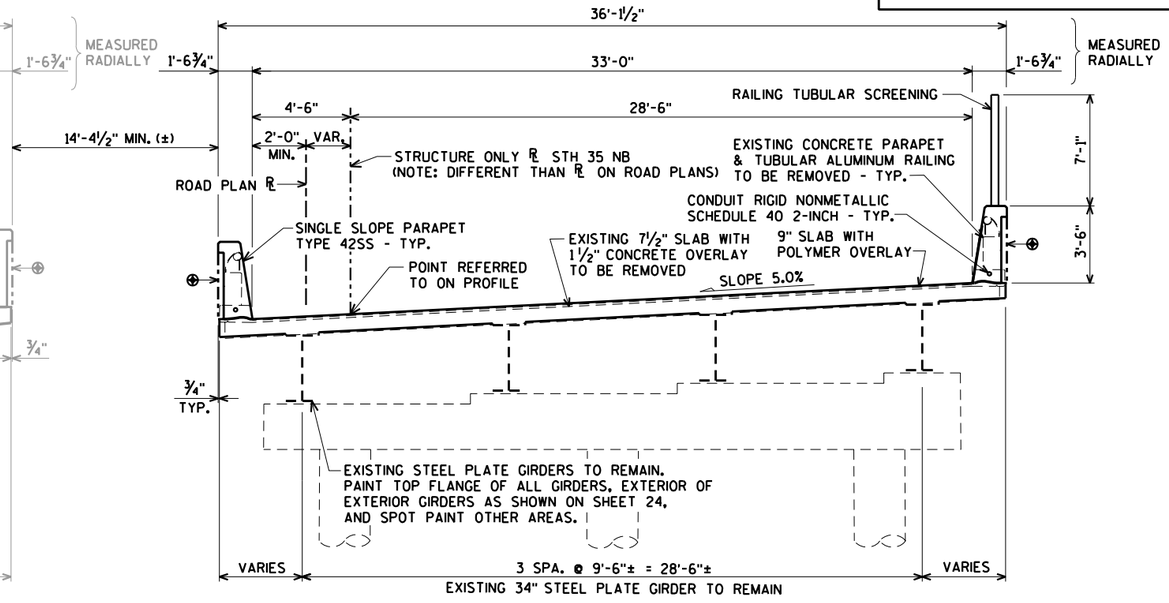
9/23/2016 PENTABLE:BReau_shd_util.tbl I.D. DATE:

STATE PROJECT NUMBER

7190-03-72



B-32-224



B-32-67

⊕ ARCHITECTURAL SURFACE TREATMENT

CROSS SECTION THRU BRIDGES

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING: HS-13
OPERATING RATING: HS-22
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 160 KIPS

STRUCTURE IS DESIGNED FOR A 5 PSF POLYMER OVERLAY AND FUTURE WEARING SURFACE OF 20 #/S.F.

MATERIAL PROPERTIES:

CONCRETE MASONRY	SUPERSTRUCTURE	f'_c	= 4,000 p.s.i.
	ALL OTHER	f'_c	= 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)		f_y	= 60,000 p.s.i.

TRAFFIC DATA:

STH 35

A.D.T. = 22,500 (2016)
A.D.T. = 27,600 (2036)
R.D.S. = 45 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

PIGMENTED SURFACE SEALER IS TO BE APPLIED TO THE TOP AND INSIDE FACE OF PARAPETS.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1967.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING CONCRETE TO THE EXTENT SHOWN ON SHEETS 1 AND 23.

ecpdf.plt
B-32-67 ty ON 2016.dgn

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

TYPICAL SECTION AND NOTES

SHEET 2 OF 25
875

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

7/22/2016

black.tbl

STATE PROJECT NUMBER
7190-03-72

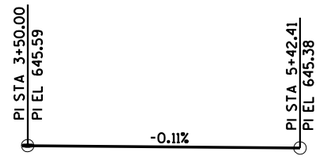
TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	S. ABUT.	N. ABUT.	SUPER.	TOTAL
	203.0200	REMOVING OLD STRUCTURE STATION 237+66.50 NB	LS	-----	-----	-----	1
	203.0210.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL STRUCTURE B-32-67	LS	-----	-----	-----	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-32-67	LS	-----	-----	-----	1
	210.1500	BACKFILL STRUCTURE TYPE A	TON	80	110	-----	190
	502.0100	CONCRETE MASONRY BRIDGES	CY	20	25	575	620
	502.3100	EXPANSION DEVICE B-32-67	LS	-----	-----	-----	1
	502.3210	PIGMENTED SURFACE SEALER	SY	10	10	395	415
	502.4205	ADHESIVE ANCHORS NO. 5 BARS	EACH	174	204	-----	378
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,710	3,340	67,000	103,620
①	509.1500	CONCRETE SURFACE REPAIR	SF	10	10	-----	20
	509.5100.S	POLYMER OVERLAY	SY	-----	-----	1,450	1,450
②	509.9020.S	EPOXY CRACK SEALING	LF	50	50	-----	100
	511.1200	TEMPORARY SHORING B-32-67	SF	100	100	-----	200
	513.4091	RAILING TUBULAR SCREENING B-32-67	LF	-----	-----	452	452
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	12	14	-----	26
	517.0900.S	PREPARATION AND COATING OF TOP FLANGES B-32-67	LS	-----	-----	-----	1
	517.1010.S	CONCRETE STAINING B-32-67	SF	110	120	3,450	3,680
	517.1015.S	CONCRETE STAINING MULTICOLOR B-32-67	SF	65	60	2,390	2,515
	517.1050.S	ARCHITECTURAL SURFACE TREATMENT B-32-67	SF	65	60	2,390	2,515
③	517.3000.S	STRUCTURE OVERCOATING CLEANING AND PRIMING B-32-67	LS	-----	-----	-----	1
③	517.4000.S	CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-32-67	LS	-----	-----	-----	1
	604.0400	SLOPE PAVING CONCRETE	SY	700	740	-----	1,440
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	100	100	-----	200
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	2	-----	4
	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	12	12		24
	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	20	20	800	840
	653.0220	JUNCTION BOXES 18X6X6-INCH	EACH	-----	-----	4	4
	SPV.0060	BEARING REPAIR	EACH	4	4	-----	8
	SPV.0105	DEBRIS CONTAINMENT SPECIAL STRUCTURE B-32-67	LS	-----	-----	-----	1
		NON-BID ITEMS					
		NAME PLATE					
		FILLER	SIZE	-----	-----	-----	½" & ¾"

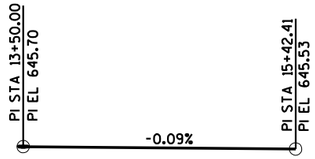
① UNDISTRIBUTED QUANTITY FOR REPAIRS AS DIRECTED BY THE ENGINEER, IF NECESSARY.

② SEAL ABUTMENT CRACKS AS DIRECTED BY THE ENGINEER.

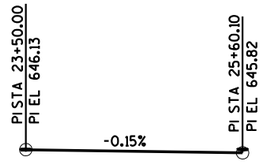
③ PAINT EXTERIOR AND BOTTOM OF EXTERIOR GIRDERS, 5-FEET FROM END OF ABUTMENTS OF ALL GIRDERS, AND SPOT PAINT OTHER AREAS AS DIRECTED BY THE ENGINEER.



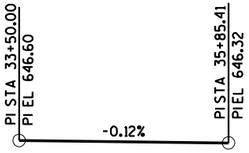
PROFILE GRADE LINE
(TRACK A)



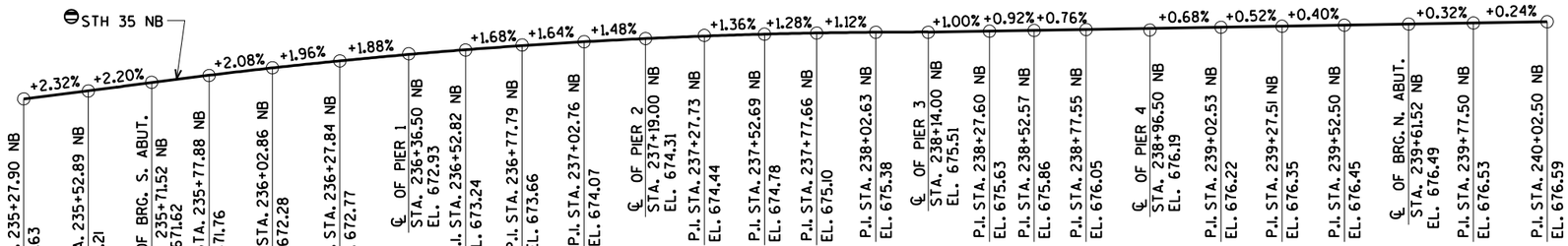
PROFILE GRADE LINE
(TRACK B)



PROFILE GRADE LINE
(TRACK C)



PROFILE GRADE LINE
(TRACK D)



PROFILE GRADE LINE
(STH 35 NB)
(ALONG STRUCTURE ℄) ⊖

⊖ NOTE: NOT SAME AS ℄ ON ROAD PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

QUANTITIES AND PROFILE GRADE LINES

SHEET 3 OF 25
876

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

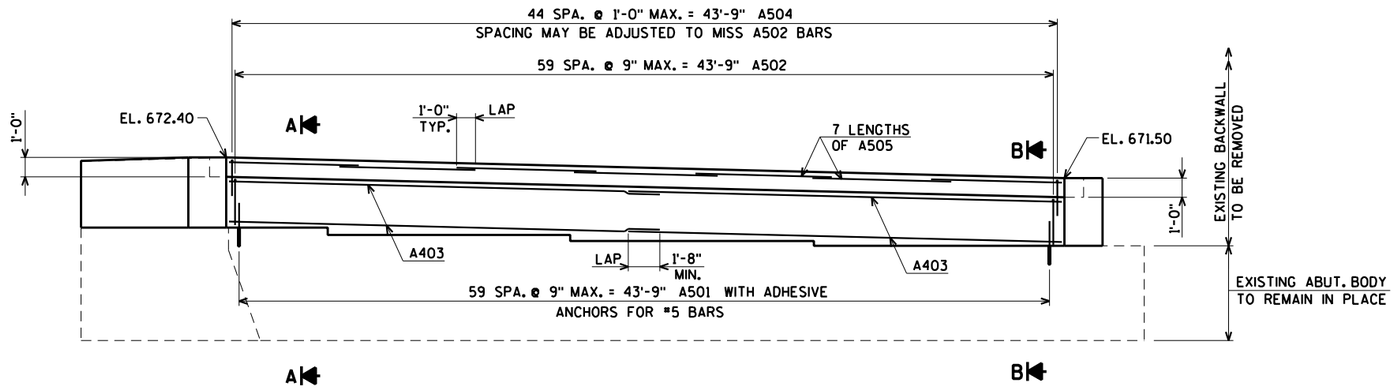
ecpdf.plt
B-32-67 ty QN 2016.dgn

8

8

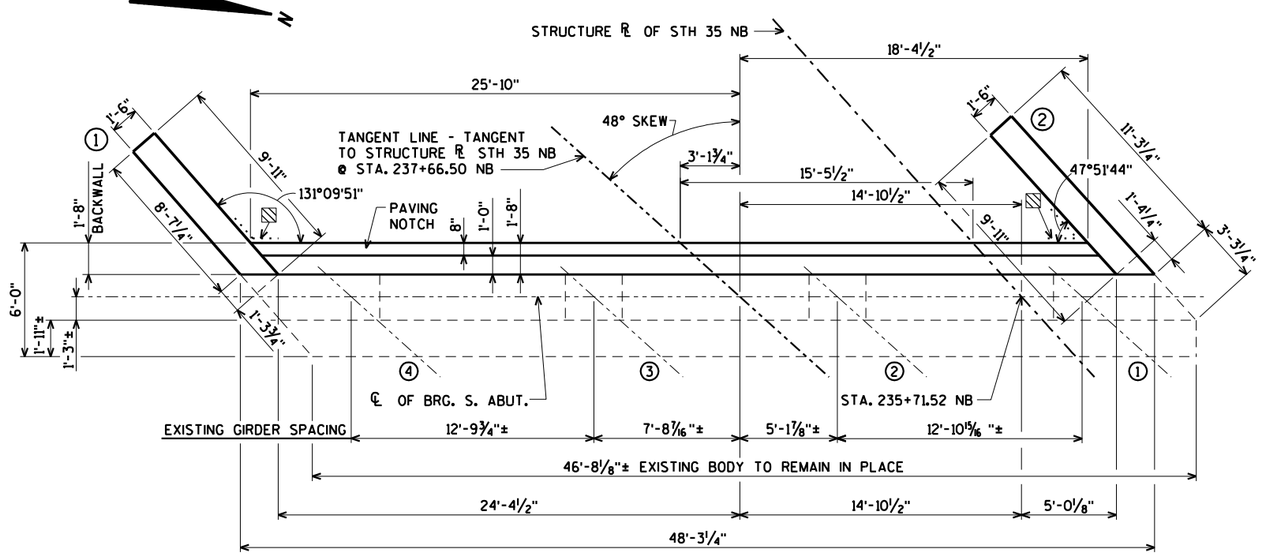
9/23/2016

black.tbl



ELEVATION
(LOOKING SOUTH)

FOR SECTIONS "A" & "B" SEE SHEET 7



PLAN

18" RUBBERIZED MEMBRANE WATERPROOFING
SEAL ALL HORIZONTAL AND VERTICAL JOINTS
ON BACK FACE OF ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

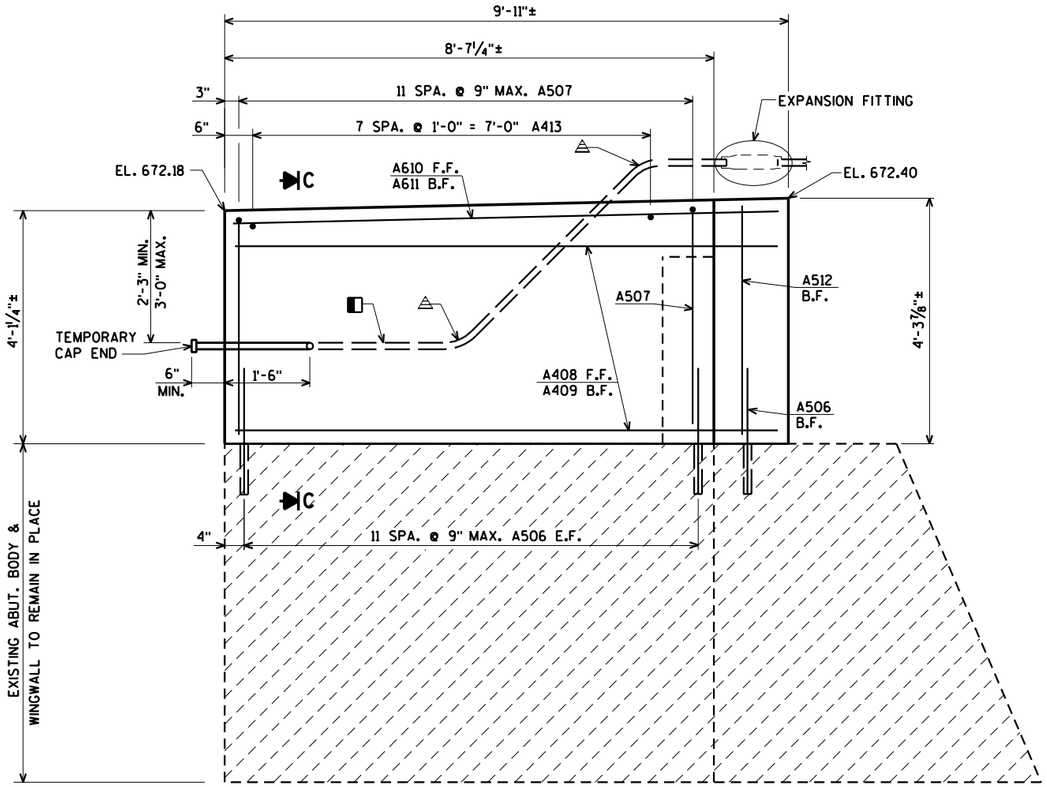
DRAWN BY CLS | PLANS CK'D. AEB

SOUTH ABUTMENT

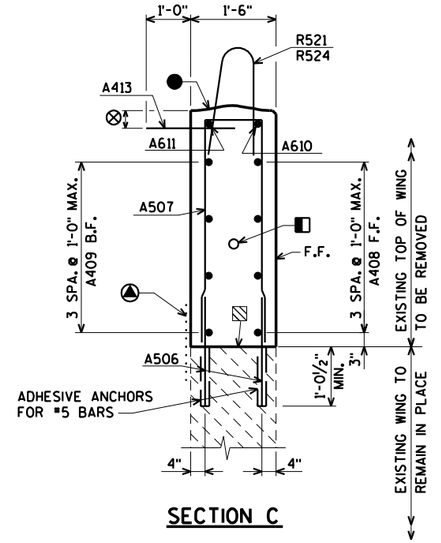
SHEET 4 OF 25
877

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 sa 2016.dgn

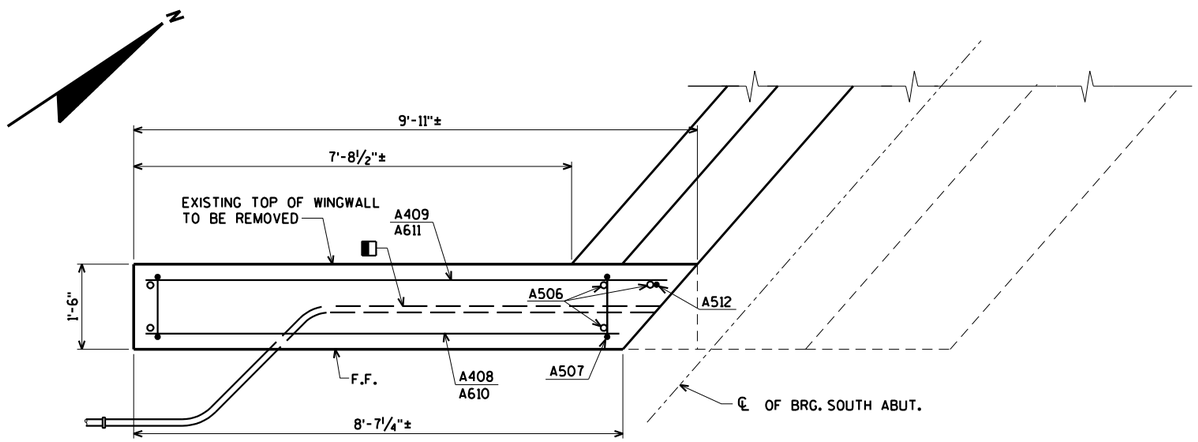


ELEVATION WING 1



SECTION C

SINGLE SLOPE PARAPET 42SS
NOT SHOWN. FOR DETAILS
SEE SHEET 22



PLAN - WING 1

△ 45° BEND IN CONDUIT. (USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRIC CODE).

◧ 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

▨ EXISTING CONST. JOINT

⊗ 3" MIN. TO 6" MAX. SEE CONCRETE SURFACE DRAIN S.D.D.

◬ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

● STRIKE OFF AS SHOWN AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

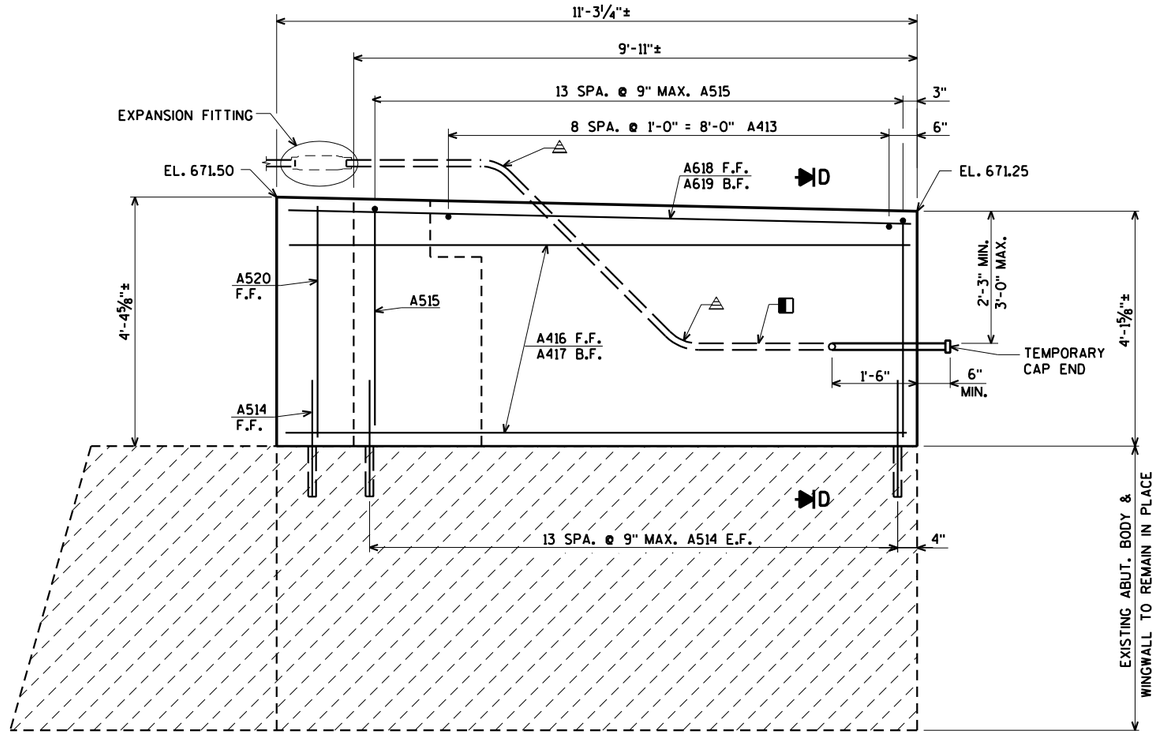
DRAWN BY CLS | PLANS CK'D. AEB

SOUTH ABUTMENT
WING 1 DETAILS

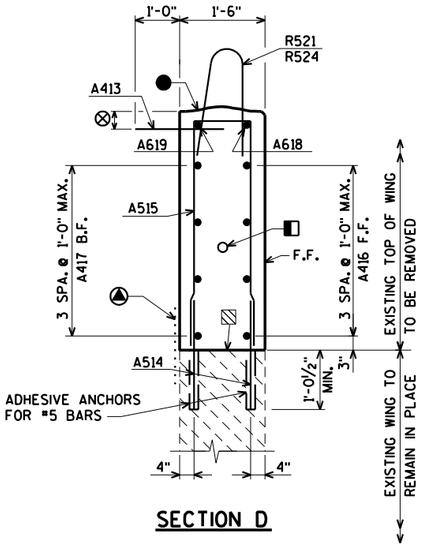
SHEET 5 OF 25
878

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 sa 2016.dgn

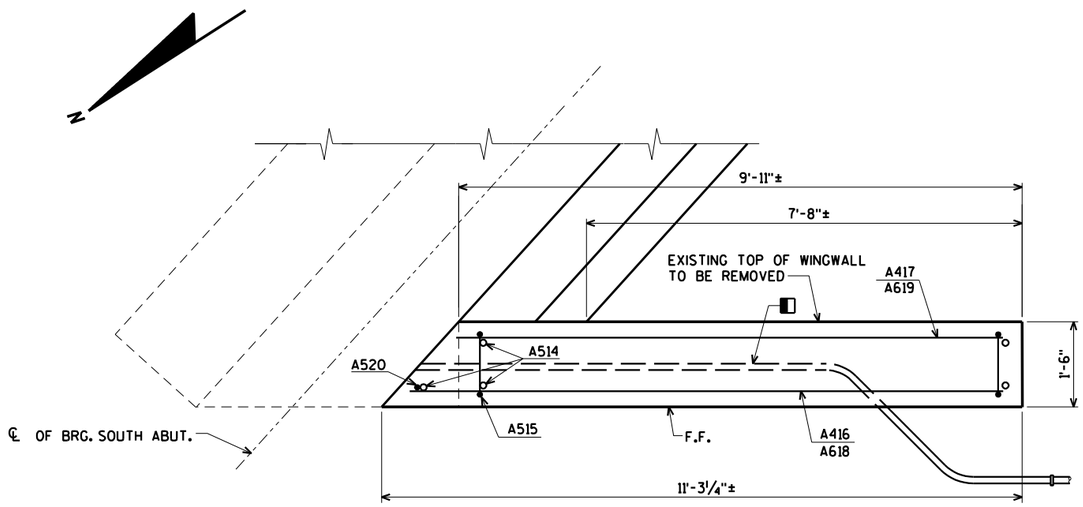


ELEVATION WING 2



SECTION D

SINGLE SLOPE PARAPET 42SS
NOT SHOWN. FOR DETAILS
SEE SHEET 22



PLAN - WING 2

△ 45° BEND IN CONDUIT. (USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRIC CODE.)

◧ 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

▨ EXISTING CONST. JOINT

⊗ 3" MIN. TO 6" MAX. SEE CONCRETE SURFACE DRAIN S.D.D.

◭ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

● STRIKE OFF AS SHOWN AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

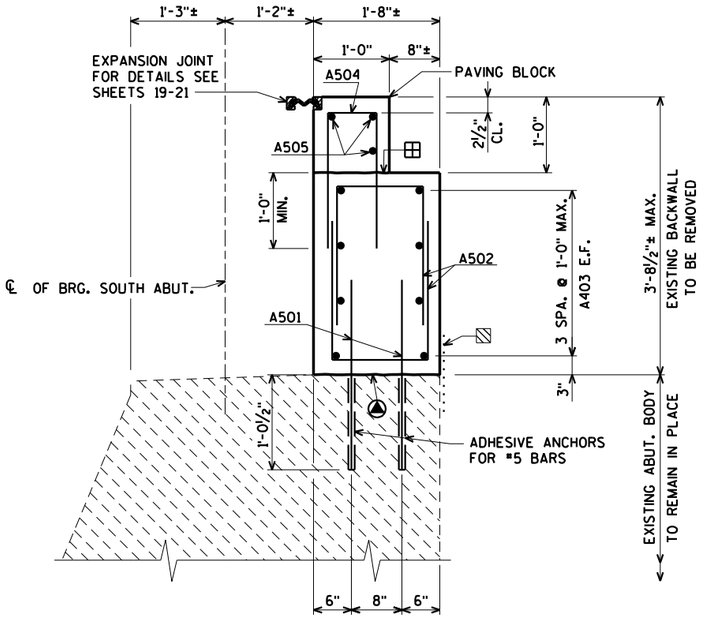
SOUTH ABUTMENT
WING 2 DETAILS

SHEET 6 OF 25
879

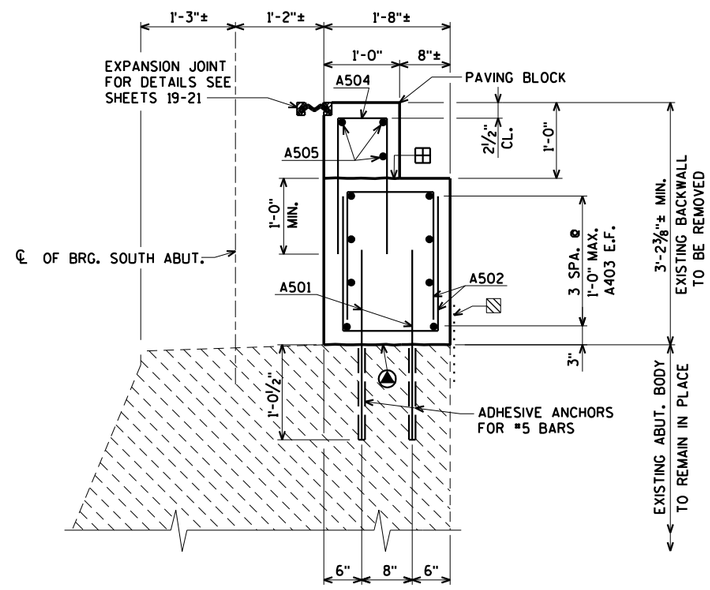
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 sa 2016.dgn

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 sa 2016.dgn



SECTION A



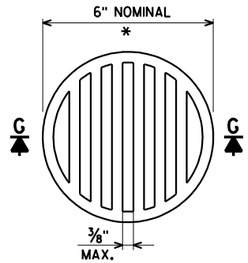
SECTION B

FOR LOCATION OF SECTIONS "A" & "B" SEE SHEET 4

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	2,710* COATED LOCATION
A501	X	120	2-6			BACKWALL VERT. DOWELS E.F.
A502	X	120	4-9	X		BACKWALL VERT.
A403	X	16	23-0			BACKWALL HORIZ. E.F.
A504	X	45	3-11	X		BACKWALL @ PAVING BLOCK VERT.
A505	X	21	7-2			BACKWALL @ PAVING BLOCK HORIZ.
A506	X	25	2-6			WING 1 DOWELS E.F.
A507	X	12	8-4	X		WING 1 VERT.
A408	X	4	8-5			WING 1 HORIZ. F.F.
A409	X	4	9-4			WING 1 HORIZ. B.F.
A610	X	1	8-5			WING 1 HORIZ. F.F.
A611	X	1	9-4			WING 1 HORIZ. B.F.
A512	X	1	3-10			WING 1 VERT. B.F.
A413	X	17	2-0			WING 1 & 2 DOWELS
A514	X	29	2-6			WING 2 DOWELS E.F.
A515	X	14	8-4	X		WING 2 VERT.
A416	X	4	10-8			WING 2 HORIZ. F.F.
A417	X	4	9-8			WING 2 HORIZ. B.F.
A618	X	1	10-8			WING 2 HORIZ. F.F.
A619	X	1	9-8			WING 2 HORIZ. B.F.
A520	X	1	3-11			WING 2 VERT. F.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



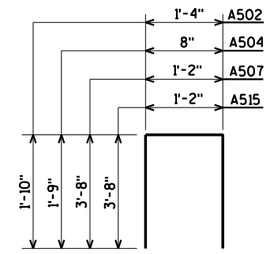
SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL



▲ EXISTING CONST. JOINT

⊞ CONST. JOINT - POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

▨ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

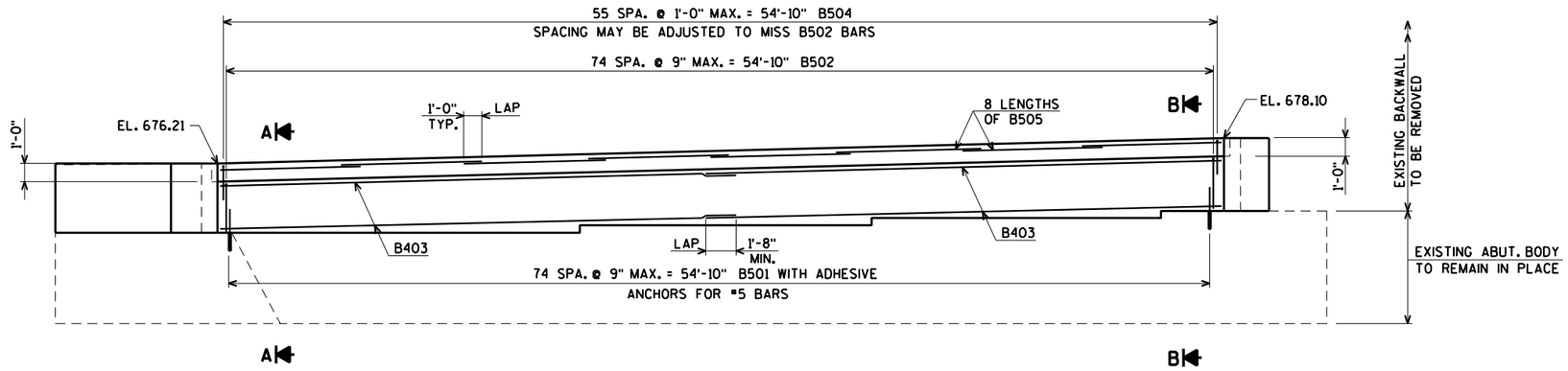
DRAWN BY CLS | PLANS CK'D. AEB

SOUTH ABUTMENT DETAILS AND BILL OF BARS

SHEET 7 OF 25
880

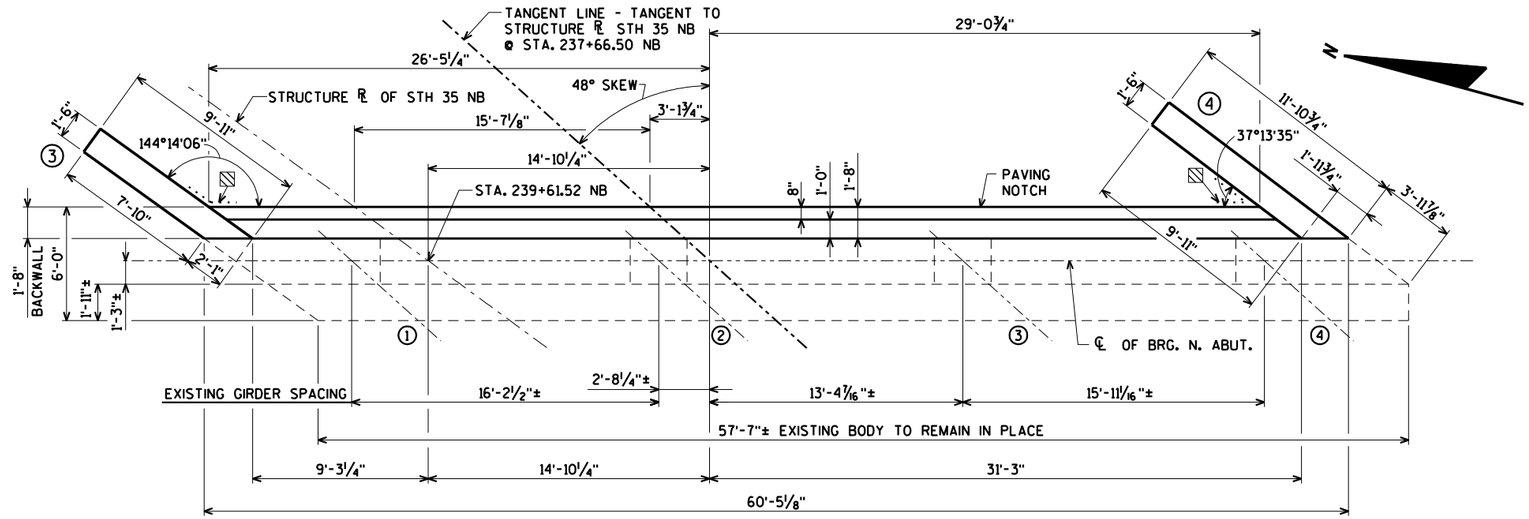
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 na 2016.dgn

STATE PROJECT NUMBER
7190-03-72



ELEVATION
(LOOKING NORTH)

FOR SECTIONS "A" & "B" SEE SHEET 11



PLAN

18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

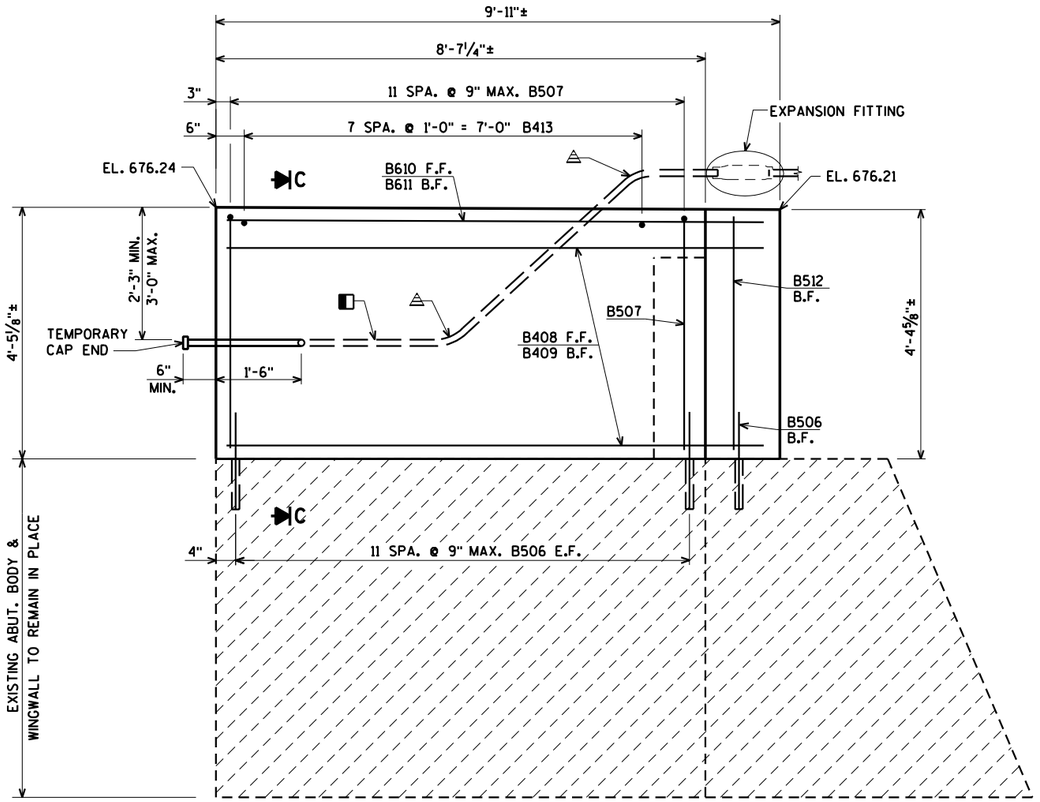
NORTH ABUTMENT

SHEET 8 OF 25
881

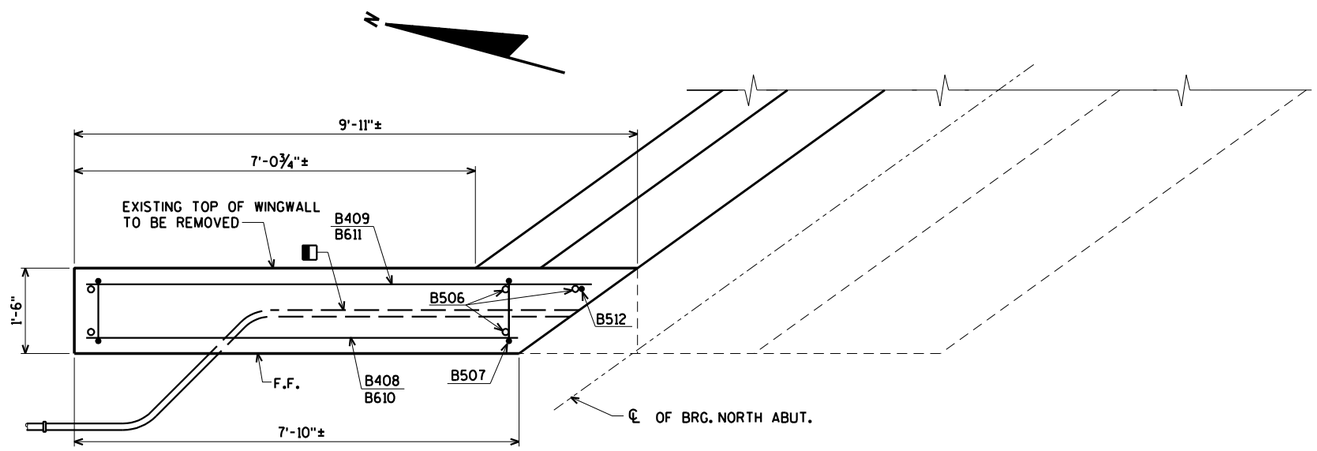
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

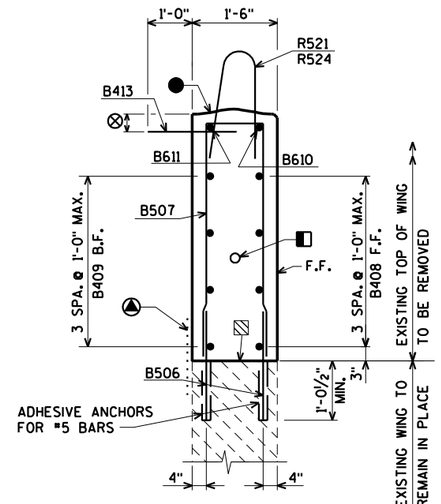
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 na 2016.dgn



ELEVATION WING 3



PLAN - WING 3



SECTION C

SINGLE SLOPE PARAPET 42SS
NOT SHOWN. FOR DETAILS
SEE SHEET 22

△ 45° BEND IN CONDUIT. (USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRIC CODE).

◧ 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

▨ EXISTING CONST. JOINT

⊗ 3" MIN. TO 6" MAX. SEE CONCRETE SURFACE DRAIN S.D.D.

◭ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

● STRIKE OFF AS SHOWN AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

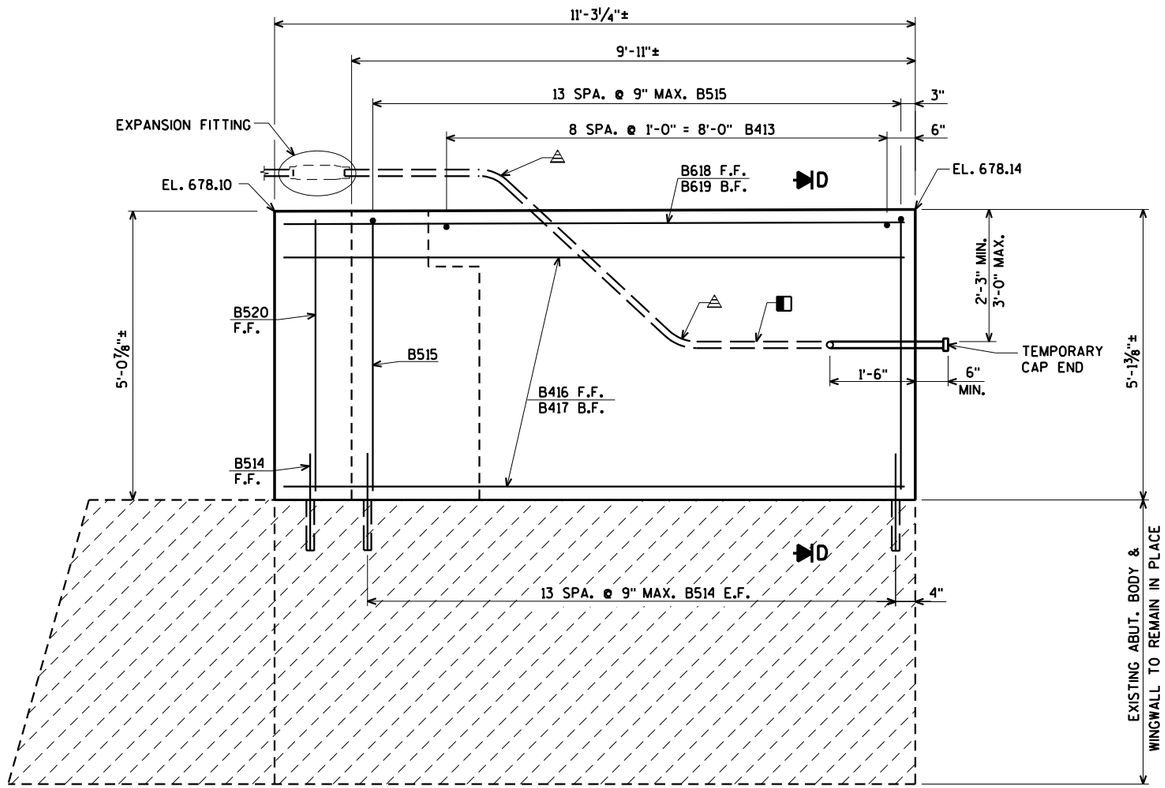
STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

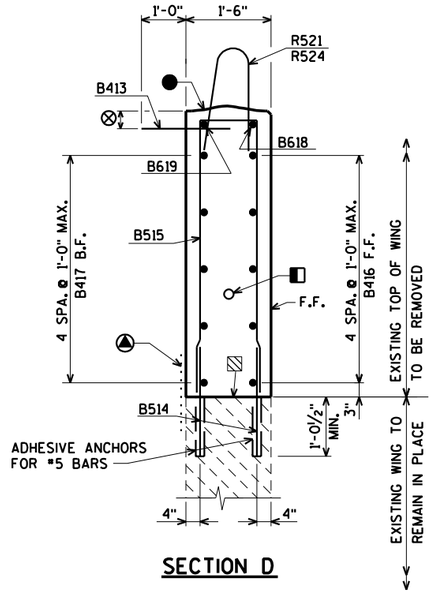
NORTH ABUTMENT
WING 3 DETAILS

SHEET 9 OF 25
882

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

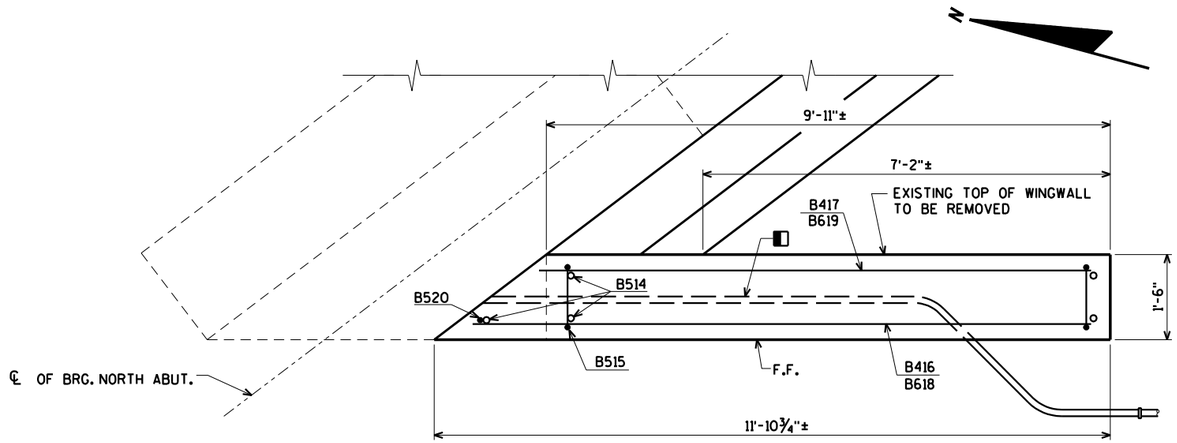


ELEVATION WING 4



SECTION D

SINGLE SLOPE PARAPET 42SS
NOT SHOWN. FOR DETAILS
SEE SHEET 22



PLAN - WING 4

△ 45° BEND IN CONDUIT. (USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRIC CODE).

◧ 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

▨ EXISTING CONST. JOINT

⊗ 3" MIN. TO 6" MAX. SEE CONCRETE SURFACE DRAIN S.D.D.

◬ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

● STRIKE OFF AS SHOWN AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

NORTH ABUTMENT
WING 4 DETAILS

SHEET 10 OF 25
883

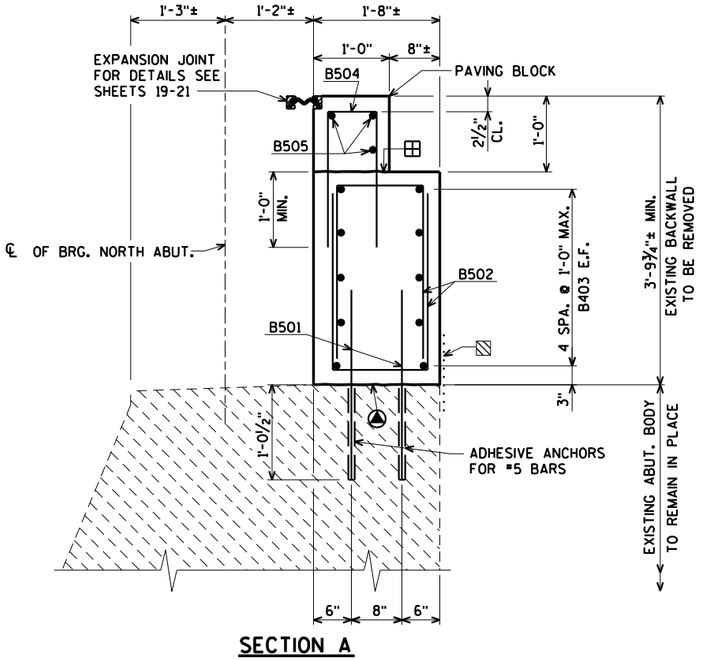
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 na 2016.dgn

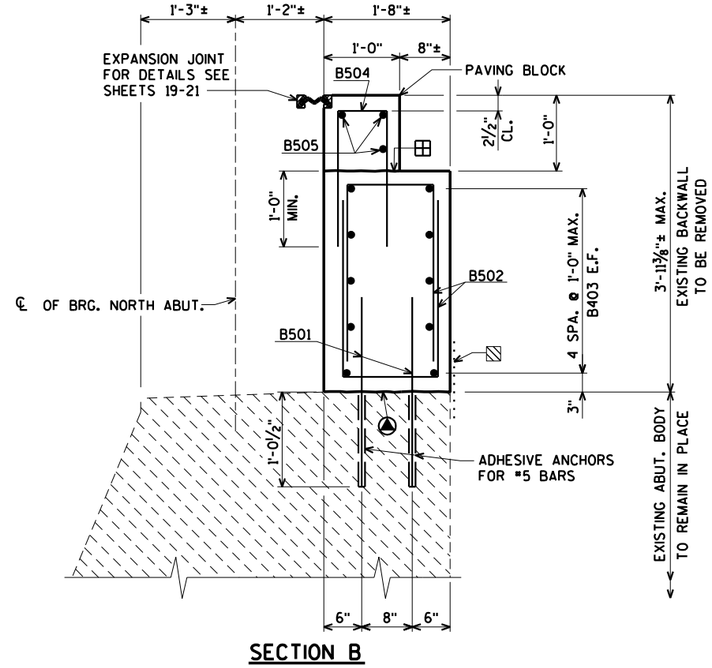
$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 na 2016.dgn

STATE PROJECT NUMBER

7190-03-72



SECTION A



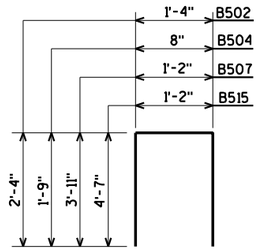
SECTION B

FOR LOCATION OF SECTIONS "A" & "B" SEE SHEET 8

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	3,340# COATED LOCATION
B501	X	150	2-6			BACKWALL VERT. DOWELS E.F.
B502	X	150	5-9	X		BACKWALL VERT.
B403	X	20	28-4			BACKWALL HORIZ. E.F.
B504	X	56	3-11	X		BACKWALL @ PAVING BLOCK VERT.
B505	X	24	7-9			BACKWALL @ PAVING BLOCK HORIZ.
B506	X	25	2-6			WING 3 DOWELS E.F.
B507	X	12	8-9	X		WING 3 VERT.
B408	X	4	7-8			WING 3 HORIZ. F.F.
B409	X	4	9-2			WING 3 HORIZ. B.F.
B610	X	1	7-8			WING 3 HORIZ. F.F.
B611	X	1	9-2			WING 3 HORIZ. B.F.
B512	X	1	3-11			WING 3 VERT. B.F.
B413	X	17	2-0			WING 3 & 4 DOWELS
B514	X	29	2-6			WING 4 DOWELS E.F.
B515	X	14	10-1	X		WING 4 VERT.
B416	X	5	11-2			WING 4 HORIZ. F.F.
B417	X	5	9-9			WING 4 HORIZ. B.F.
B618	X	1	11-2			WING 4 HORIZ. F.F.
B619	X	1	9-9			WING 4 HORIZ. B.F.
B520	X	1	4-7			WING 4 VERT. F.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



▲ EXISTING CONST. JOINT

⊞ CONST. JOINT - POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

▨ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

NORTH ABUTMENT DETAILS AND BILL OF BARS

SHEET 11 OF 25
884

8

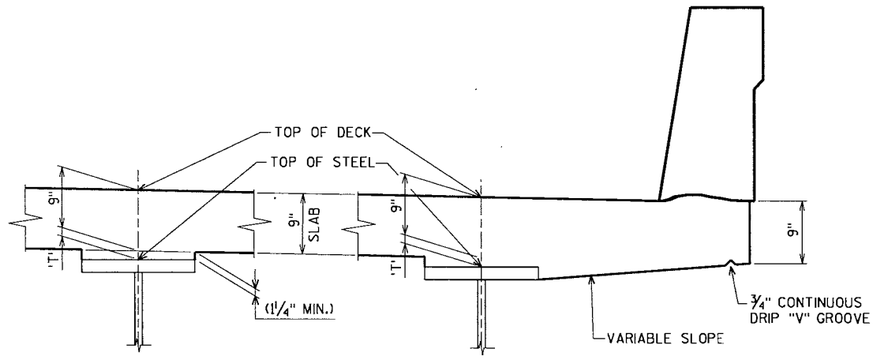
SPAN 1											
	℄ BRG. S. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF PIER 1
WEST EDGE OF DECK	671.49	671.62	671.76	671.90	672.03	672.16	672.29	672.42	672.54	672.67	672.79
GIRDER 1	671.54	671.68	671.82	671.95	672.09	672.22	672.35	672.48	672.61	672.73	672.85
RL STH 35 SB	671.62	671.76	671.90	672.03	672.17	672.30	672.43	672.56	672.68	672.81	672.93
GIRDER 2	671.83	671.97	672.11	672.25	672.38	672.52	672.65	672.78	672.91	673.04	673.16
GIRDER 3	672.12	672.26	672.40	672.54	672.68	672.81	672.95	673.09	673.21	673.34	673.46
GIRDER 4	672.41	672.56	672.70	672.83	672.97	673.11	673.25	673.38	673.51	673.64	673.76
EAST EDGE OF DECK	672.48	672.63	672.77	672.91	673.05	673.18	673.32	673.45	673.58	673.71	673.83

SPAN 2											
	℄ OF PIER 1	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF PIER 2
WEST EDGE OF DECK	672.79	672.95	673.09	673.23	673.37	673.51	673.65	673.78	673.91	674.03	674.16
GIRDER 1	672.85	673.01	673.16	673.30	673.44	673.58	673.71	673.85	673.98	674.10	674.22
RL STH 35 SB	672.93	673.09	673.24	673.38	673.52	673.66	673.79	673.93	674.07	674.19	674.31
GIRDER 2	673.16	673.31	673.47	673.62	673.76	673.89	674.03	674.17	674.30	674.43	674.55
GIRDER 3	673.46	673.62	673.77	673.93	674.08	674.21	674.35	674.49	674.62	674.75	674.88
GIRDER 4	673.76	673.92	674.08	674.23	674.38	674.53	674.67	674.81	674.94	675.07	675.20
EAST EDGE OF DECK	673.83	673.99	674.15	674.30	674.45	674.60	674.74	674.88	675.01	675.15	675.28

SPAN 3											
	℄ OF PIER 2	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF PIER 3
WEST EDGE OF DECK	674.16	674.29	674.42	674.55	674.67	674.80	674.91	675.02	675.13	675.24	675.33
GIRDER 1	674.22	674.36	674.50	674.62	674.74	674.87	674.99	675.10	675.21	675.31	675.41
RL STH 35 SB	674.31	674.45	674.58	674.71	674.84	674.96	675.08	675.19	675.29	675.40	675.51
GIRDER 2	674.55	674.69	674.83	674.96	675.09	675.21	675.33	675.45	675.56	675.67	675.77
GIRDER 3	674.88	675.03	675.17	675.30	675.42	675.55	675.67	675.80	675.92	676.02	676.13
GIRDER 4	675.20	675.36	675.50	675.63	675.77	675.89	676.02	676.14	676.26	676.38	676.48
EAST EDGE OF DECK	675.28	675.43	675.57	675.71	675.85	675.97	676.10	676.22	676.34	676.46	676.57

SPAN 4											
	℄ OF PIER 3	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF PIER 4
WEST EDGE OF DECK	675.33	675.40	675.48	675.56	675.63	675.70	675.76	675.82	675.88	675.95	675.99
GIRDER 1	675.41	675.48	675.56	675.64	675.71	675.78	675.84	675.91	675.97	676.03	676.08
RL STH 35 SB	675.51	675.58	675.66	675.73	675.81	675.88	675.94	676.01	676.07	676.13	676.19
GIRDER 2	675.77	675.86	675.94	676.01	676.09	676.16	676.23	676.30	676.36	676.42	676.48
GIRDER 3	676.13	676.22	676.31	676.39	676.46	676.53	676.61	676.69	676.75	676.81	676.87
GIRDER 4	676.48	676.57	676.67	676.76	676.84	676.91	676.98	677.06	677.13	677.20	677.26
EAST EDGE OF DECK	676.57	676.66	676.75	676.84	676.93	677.00	677.07	677.14	677.22	677.29	677.35

SPAN 5											
	℄ OF PIER 4	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ BRG. N. ABUT.
WEST EDGE OF DECK	675.99	676.03	676.06	676.10	676.13	676.15	676.18	676.21	676.23	676.26	676.28
GIRDER 1	676.08	676.12	676.15	676.19	676.22	676.24	676.27	676.29	676.32	676.35	676.37
RL STH 35 SB	676.19	676.22	676.26	676.29	676.32	676.36	676.38	676.41	676.43	676.46	676.49
GIRDER 2	676.48	676.53	676.57	676.60	676.63	676.66	676.69	676.72	676.75	676.77	676.80
GIRDER 3	676.87	676.92	676.97	677.01	677.05	677.08	677.11	677.14	677.17	677.20	677.23
GIRDER 4	677.26	677.31	677.36	677.40	677.45	677.49	677.52	677.56	677.59	677.62	677.66
EAST EDGE OF DECK	677.35	677.40	677.45	677.49	677.54	677.58	677.63	677.66	677.69	677.72	677.75



INTERIOR GIRDER

EXTERIOR GIRDER

SLAB HAUNCH DETAIL

TO DETERMINE 'T': AFTER ALL DECK IS REMOVED. ELEVATIONS OF THE TOP FLANGES OR TOP OF SPLICE PLATES, OR TOP OF COVER PLATES WHICHEVER APPLIES, SHALL BE TAKEN AT CENTERLINE OF BEARINGS, CENTERLINE OF FIELD SPLICES, AND AT TENTH POINTS OF EACH SPAN.

TOP OF DECK ELEVATION AT FINAL GRADE
- TOP OF STEEL ELEVATION AFTER DECK REMOVAL
+ CONCRETE ONLY DEFLECTION: DOWNWARD DEFLECTION IS ADDED, UPWARD DEFLECTION IS SUBTRACTED
- SLAB THICKNESS (9")

= HAUNCH THICKNESS 'T'

AVERAGE "T" USED FOR ESTIMATING QUANTITIES = 4"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

DECK ELEVATIONS

SHEET 12 OF 25
885

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 deck elev 2016.dgn

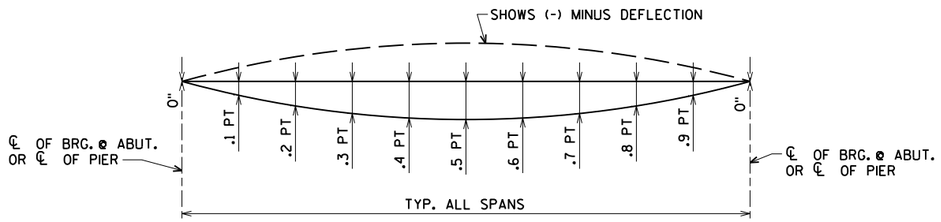
8

8

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 deflections 2016.dgn

TABLE OF DEFLECTIONS (IN INCHES)

	DEFLECTION	℄ BRG.	0.1 PT	0.2 PT	0.3 PT	0.4 PT	0.5 PT	0.6 PT	0.7 PT	0.8 PT	0.9 PT	℄ BRG.
SPAN 1	CONCRETE ONLY	0.0	0.4	0.8	1.0	1.1	1.1	0.9	0.7	0.4	0.1	0.0
SPAN 2	CONCRETE ONLY	0.0	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.1	0.0	0.0
SPAN 3	CONCRETE ONLY	0.0	0.3	0.7	1.2	1.6	1.7	1.6	1.2	0.8	0.3	0.0
SPAN 4	CONCRETE ONLY	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.3	0.2	0.0	0.0
SPAN 5	CONCRETE ONLY	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.2	0.0



DEFLECTION DIAGRAM

NOTE: DEFLECTIONS ARE THEORETICAL AND MAY VARY IN THE FIELD.
CONCRETE ONLY = CONCRETE DECK DEFLECTIOIN + COMPOSITE DEAD LOAD DEFLECTION.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

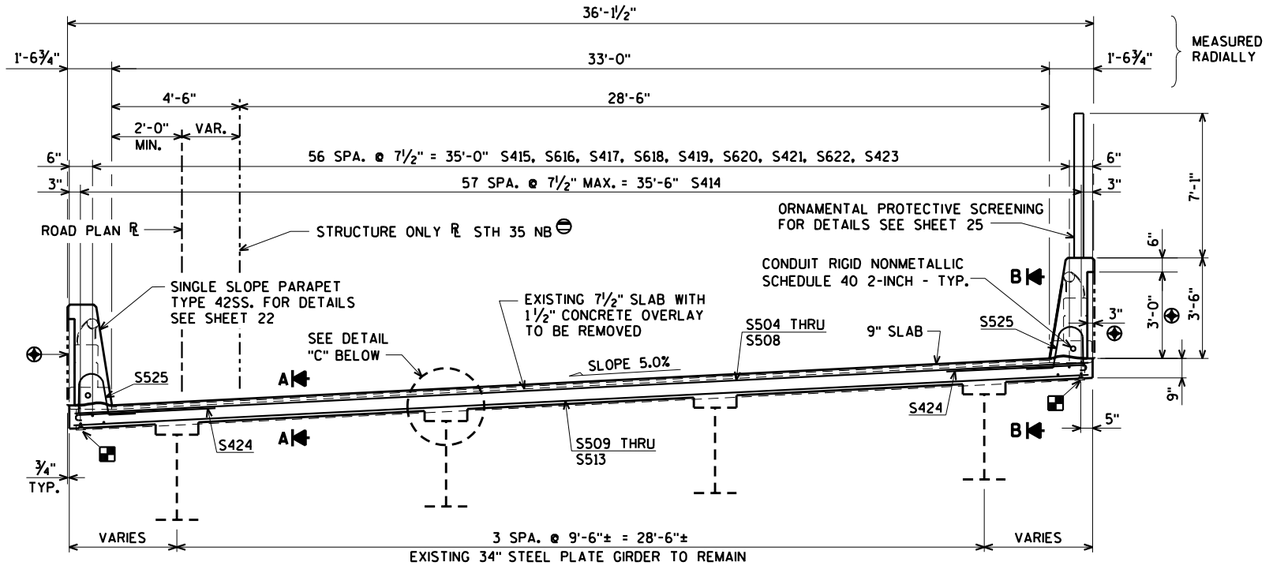
DRAWN BY CLS | PLANS CK'D. AEB

TABLE OF DEFLECTIONS

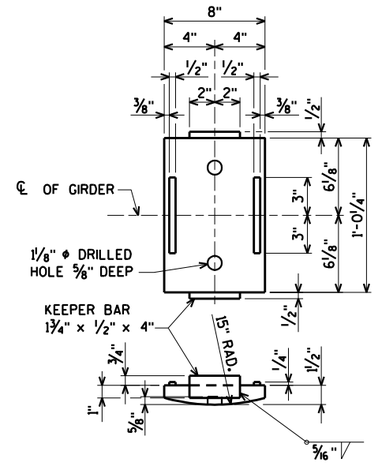
SHEET 13 OF 25
886

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

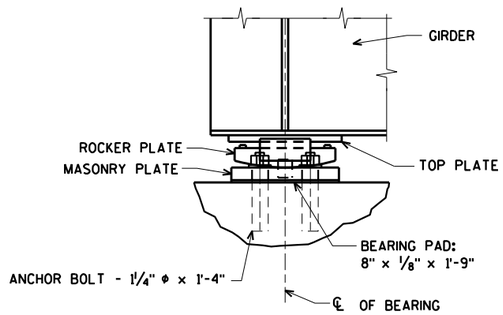
STATE PROJECT NUMBER
7190-03-72



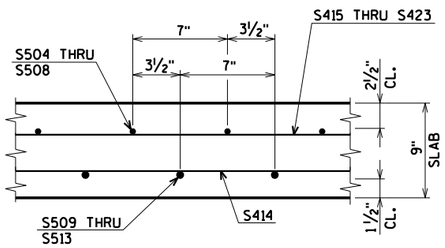
TYPICAL CROSS SECTION THRU DECK
(LOOKING NORTH)



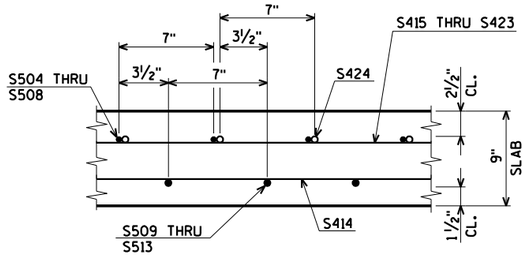
EXISTING ROCKER PLATE



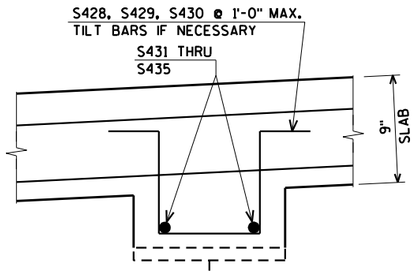
EXISTING BEARING ASSEMBLY



SECTION A



SECTION B



DETAIL "C"

⊟ ¾" V - GROOVE TERMINATE 2'-0" FROM FRONT FACE OF ABUTMENTS - TYP.

⊕ ARCHITECTURAL SURFACE TREATMENT. FOR DETAILS SEE SHEET 24

⊖ DIFFERENT THAN ℄ ON ROAD PLANS

BEARING NOTES

EXISTING ABUTMENT ROCKER PLATES TO BE REMOVED, CLEANED, REPAIRED, AND REPAINTED. TOP PLATE AND MASONRY PLATE TO BE CLEANED AND PAINTED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

SUPERSTRUCTURE & BEARING DETAIL

SHEET 14 OF 25
887

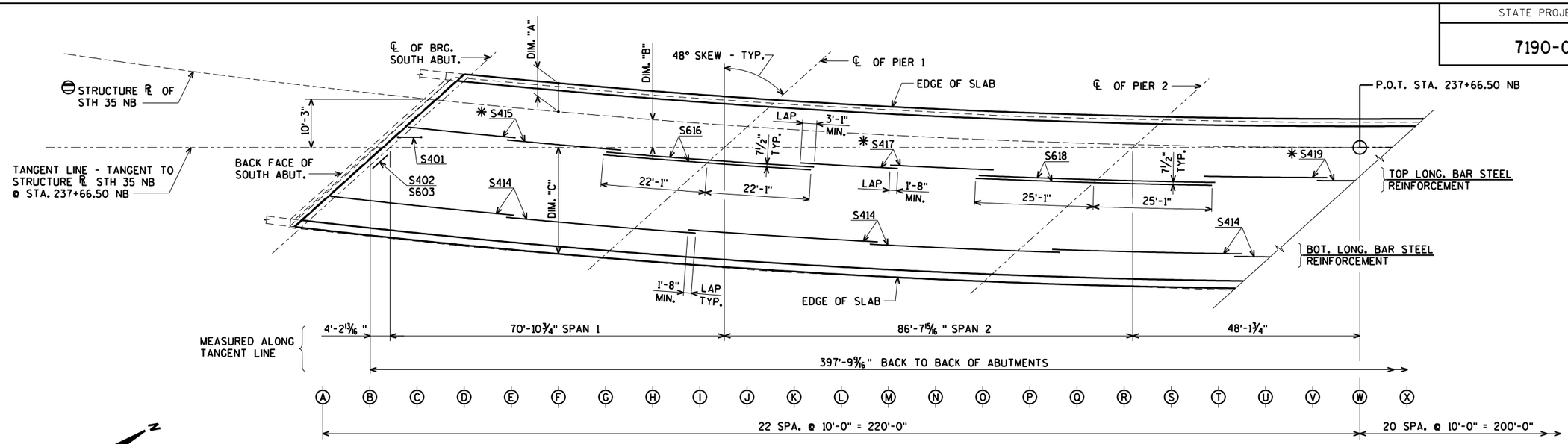
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 sup 2016.dgn

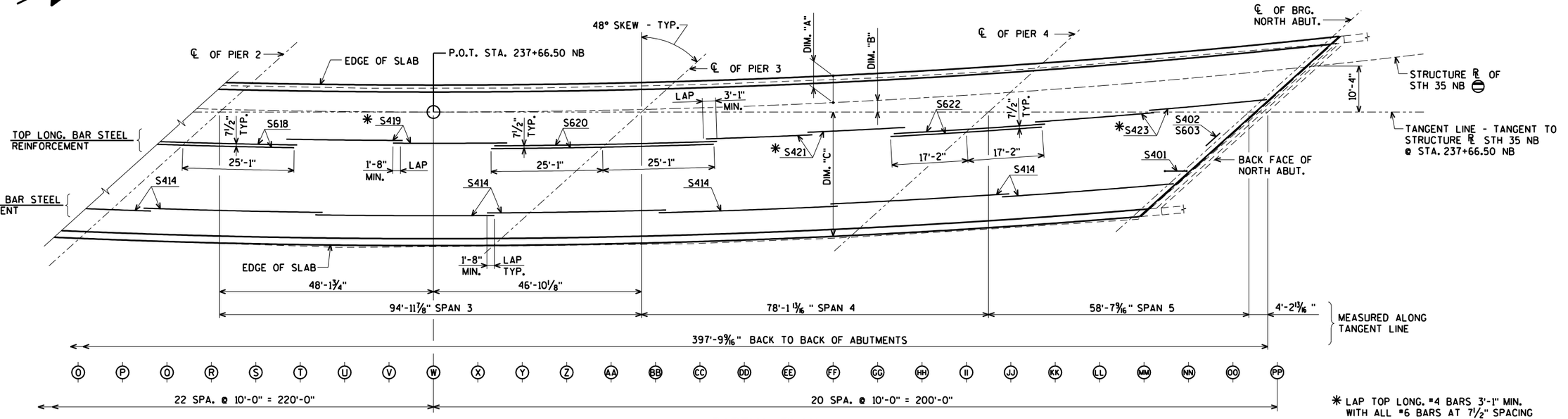
$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 sup 2016.dgn

STATE PROJECT NUMBER

7190-03-72



PARTIAL PLAN



PARTIAL PLAN

✱ LAP TOP LONG. #4 BARS 3'-1" MIN. WITH ALL #6 BARS AT 7½" SPACING

EDGE OF DECK OFFSETS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S
DIM. "A"	------	------	------	6'-0 3/8"	6'-0 3/8"	6'-0 1/4"	6'-0 1/4"	6'-0 1/4"	6'-0 1/4"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0"	6'-0"	6'-0"	6'-0"
DIM. "B"	------	------	------	9'-5¾"	8'-6 1/8"	7'-7"	6'-8 5/8"	5'-10 7/8"	5'-1¾"	4'-5 1/4"	3'-9 3/8"	3'-2 1/8"	2'-7½"	2'-1½"	1'-8 1/8"	1'-3 3/8"	11 3/8"	7 7/8"	5"
DIM. "C"	17'-5¾"	18'-7 1/8"	19'-7 7/8"	20'-8"	21'-7½"	22'-6 3/8"	23'-4 5/8"	24'-2¼"	24'-11¼"	25'-7 5/8"	26'-3 3/8"	26'-10½"	27'-5"	27'-10 7/8"	28'-4 1/8"	28'-8 7/8"	29'-0 7/8"	29'-4¼"	29'-7"

	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL
DIM. "A"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/8"	6'-0 1/4"	6'-0 1/4"
DIM. "B"	2 7/8"	1¼"	0 3/8"	0'-0"	0¼"	1¼"	2 7/8"	5"	7 7/8"	11¼"	1'-3 3/8"	1'-8 1/8"	2'-1 3/8"	2'-7 7/8"	3'-2"	3'-9¼"	4'-5 1/8"	5'-1 3/8"	5'-10¾"
DIM. "C"	29'-9¼"	29'-10¾"	29'-11 5/8"	30'-0"	29'-11¾"	29'-10¾"	29'-9¼"	29'-7 1/8"	29'-4¼"	29'-0 7/8"	28'-8 5/8"	28'-4¼"	27'-11"	27'-5 1/8"	26'-10 5/8"	26'-3½"	25'-7¾"	24'-11 3/8"	24'-2 3/8"

	MM	NN	OO	PP	OO
DIM. "A"	6'-0¼"	6'-0¼"	6'-0 3/8"	6'-0 3/8"	6'-0 3/8"
DIM. "B"	6'-8½"	7'-6 7/8"	8'-6"	9'-5 5/8"	------
DIM. "C"	22'-4¾"	------	------	------	------

℞ NOTE: NOT SAME AS ℞ ON ROAD PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

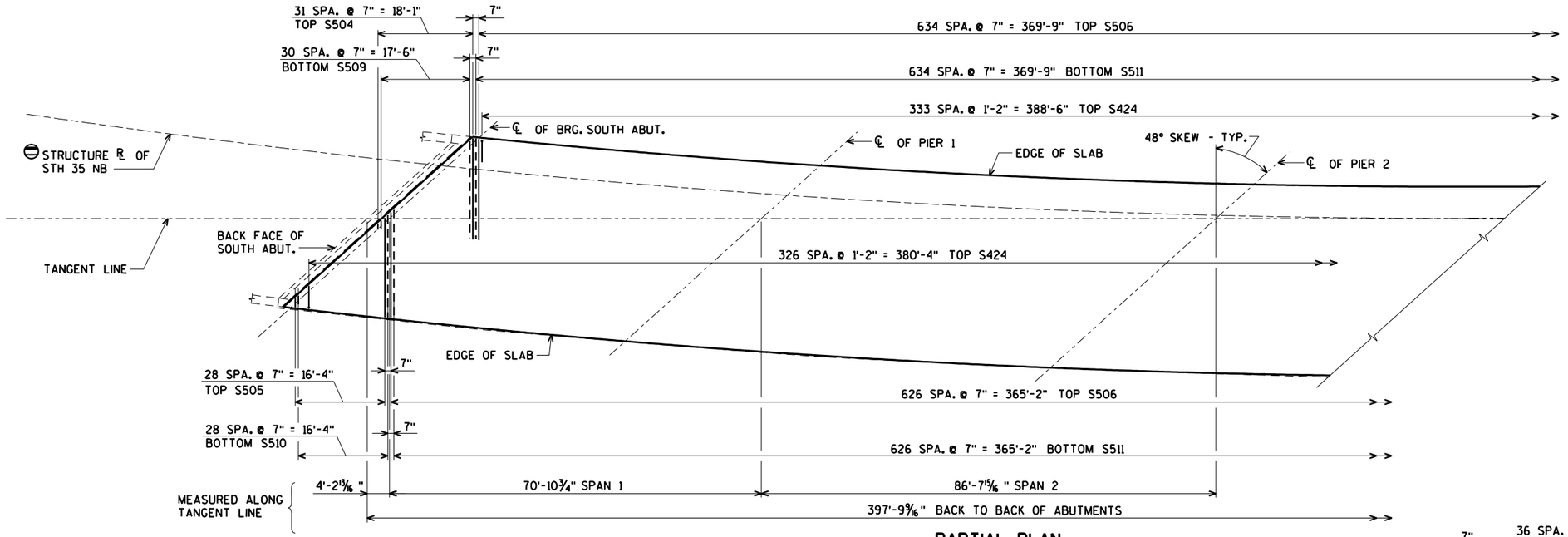
LONGITUDINAL SLAB STEEL LAYOUT

SHEET 15 OF 25
888

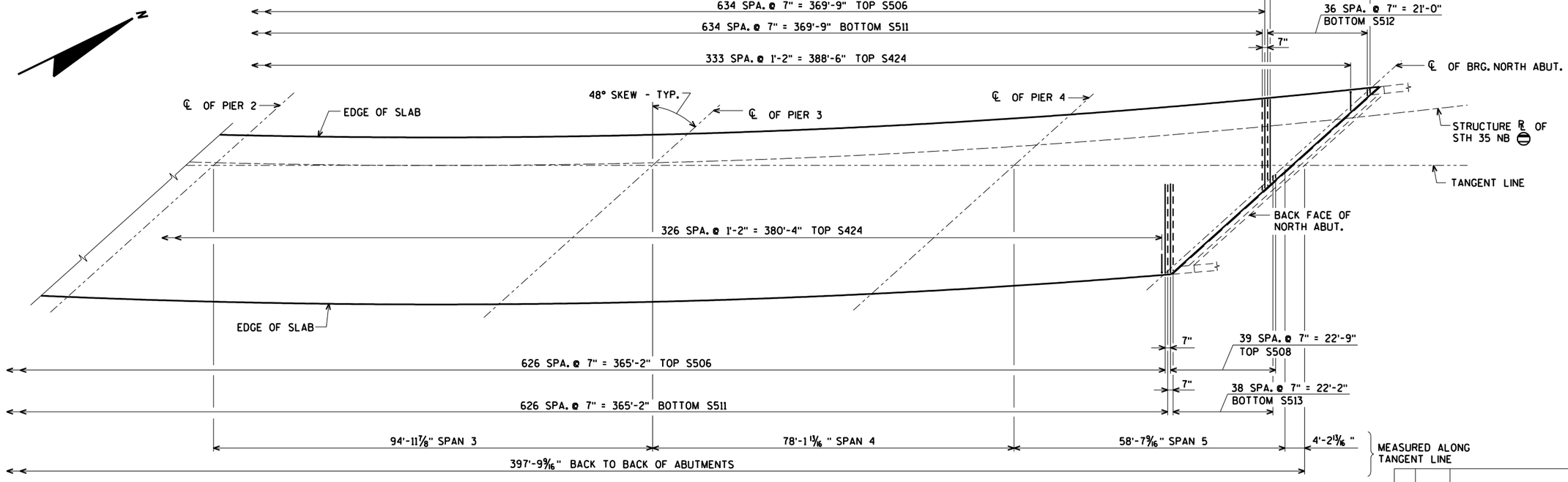
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

8



PARTIAL PLAN



PARTIAL PLAN

℄ NOTE: NOT SAME AS ℞ ON ROAD PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

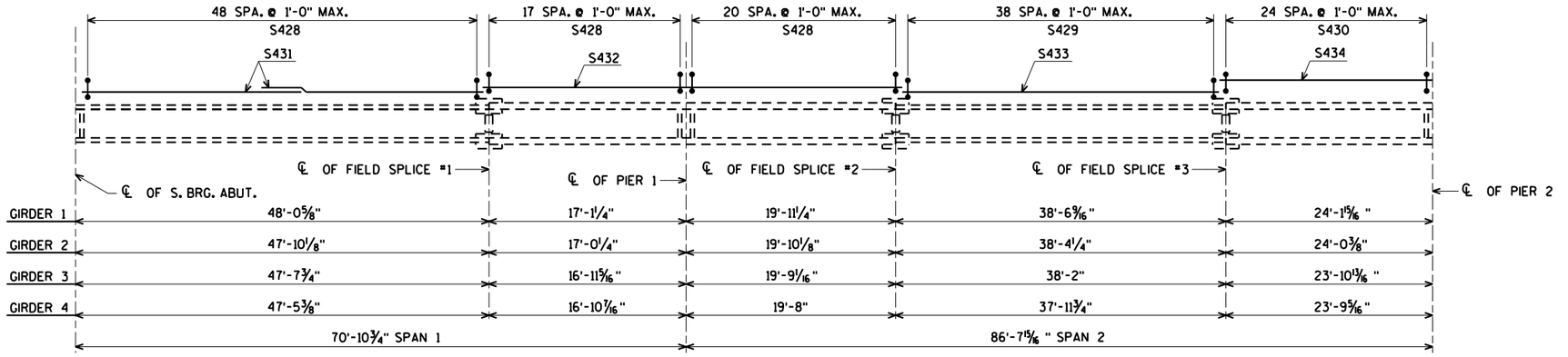
DRAWN BY CLS | PLANS CK'D. AEB

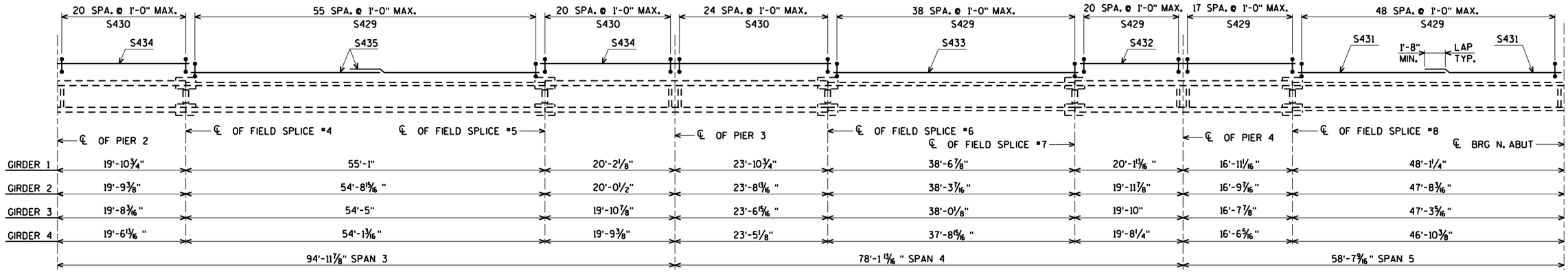
TRANSVERSE SLAB STEEL LAYOUT

SHEET 16 OF 25
889

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 sup 2016.dgn





HAT BAR LAYOUT - ALL GIRDERS

(SEE DETAIL C ON SHEET 14)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

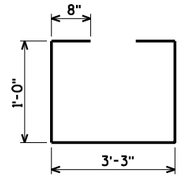
HAUNCH REINFORCEMENT DETAILS

SHEET 17 OF 25
890

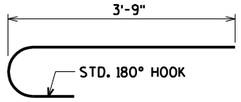
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 sup 2016.dgn

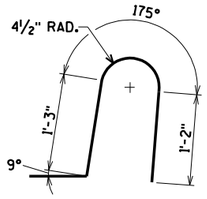
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 sup 2016.dgn



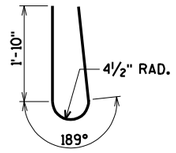
S401



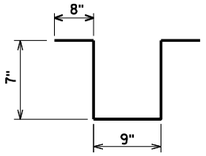
S424



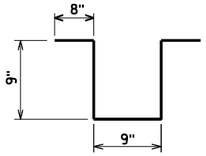
S525



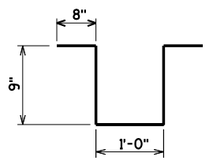
S526



S428



S429



S430

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
S504	1 SERIES OF 32	1'-2" TO 19'-4"
S505	1 SERIES OF 29	1'-9" TO 18'-11"
S507	1 SERIES OF 37	1'-1" TO 18'-9"
S508	1 SERIES OF 37	11" TO 18'-11"
S509	1 SERIES OF 31	1'-4" TO 18'-10"
S510	1 SERIES OF 29	2'-1" TO 18'-7"
S512	1 SERIES OF 37	1'-3" TO 18'-5"
S513	1 SERIES OF 39	1'-0" TO 19'-0"

BUNDLE AND TAG EACH SERIES SEPARATELY.

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	97,570# COATED LOCATION
S401	X	54	6-3	X		DIAPH. @ ABUT. VERT.
S402	X	12	11-11			DIAPH. @ ABUT. HORIZ.
S603	X	30	11-11			DIAPH. @ ABUT. HORIZ.
S504	X	32	10-3		⊗	SLAB TRANS. TOP SPAN 1
S505	X	29	10-4		⊗	SLAB TRANS. TOP SPAN 1
S506	X	635	19-4			SLAB TRANS. TOP
S507	X	37	9-11		⊗	SLAB TRANS. TOP SPAN 5
S508	X	37	9-11		⊗	SLAB TRANS. TOP SPAN 5
S509	X	31	10-1		⊗	SLAB TRANS. BOT. SPAN 1
S510	X	29	10-4		⊗	SLAB TRANS. BOT. SPAN 1
S511	X	635	19-2			SLAB TRANS. BOT.
S512	X	37	9-10		⊗	SLAB TRANS. BOT. SPAN 5
S513	X	39	10-0		⊗	SLAB TRANS. BOT. SPAN 5
S414	X	580	41-1			SLAB LONG. BOT.
S415	X	114	24-6			SLAB LONG. TOP SPAN 1
S616	X	57	44-2			SLAB LONG. TOP PIER 1
S417	X	114	21-9			SLAB LONG. TOP SPAN 2
S618	X	57	50-2			SLAB LONG. TOP PIER 2
S419	X	114	26-6			SLAB LONG. TOP SPAN 3
S620	X	57	50-2			SLAB LONG. TOP PIER 3
S421	X	114	24-3			SLAB LONG. TOP SPAN 4
S622	X	57	34-4			SLAB LONG. TOP PIER 4
S423	X	114	27-2			SLAB LONG. TOP SPAN 5
S424	X	661	4-3	X		SLAB TRANS. TOP @ PARAPET
S525	X	1157	4-5	X		PARAPET VERT.
S526	X	1157	6-8	X		PARAPET VERT.
S527	X	112	58-6			PARAPET HORIZ.
S428	X	352	2-11	X		SLAB HAUNCH VERT. BARS @ 12" FLANGE
S429	X	888	3-3	X		SLAB HAUNCH VERT. BARS @ 12" FLANGE
S430	X	368	3-6	X		SLAB HAUNCH VERT. BARS @ 15" FLANGE
S431	X	32	25-0			SLAB HAUNCH HORIZ. BARS @ 12" FLANGE
S432	X	16	37-3			SLAB HAUNCH HORIZ. BARS @ 12" FLANGE
S433	X	16	38-9			SLAB HAUNCH HORIZ. BARS @ 12" FLANGE
S434	X	16	44-3			SLAB HAUNCH HORIZ. BARS @ 15" FLANGE
S435	X	16	28-6			SLAB HAUNCH HORIZ. BARS @ 12" FLANGE
S436	X	12	11-11			DIAPH. @ ABUT. HORIZ.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

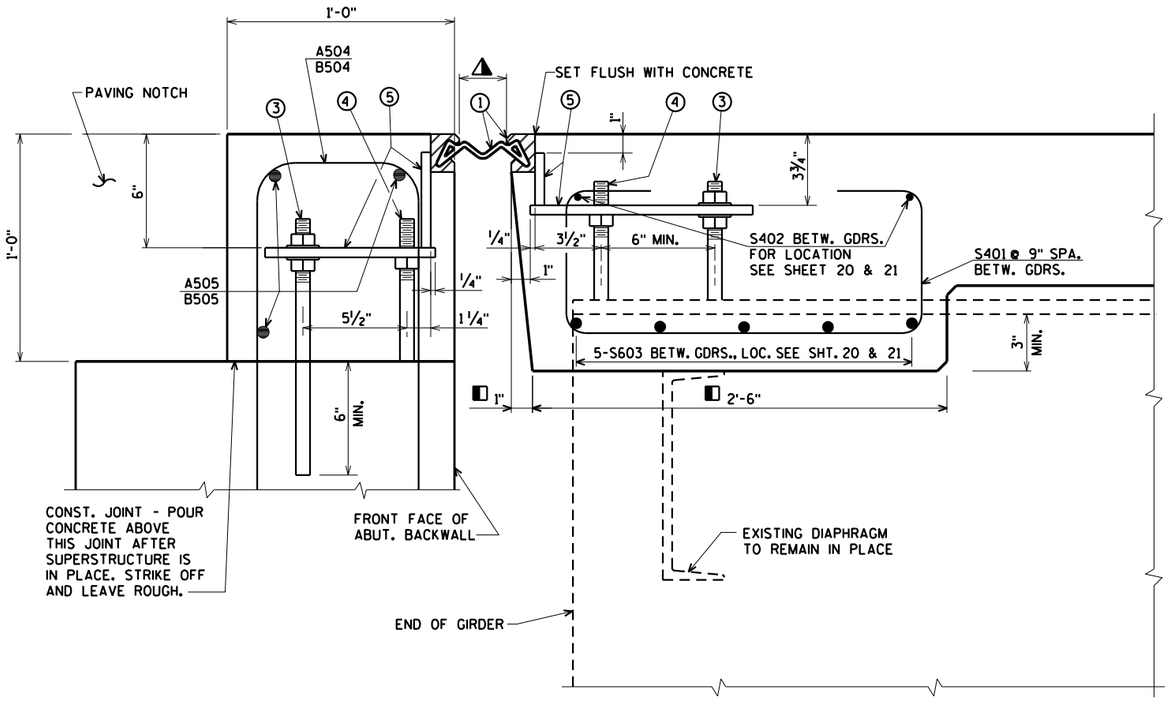
STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

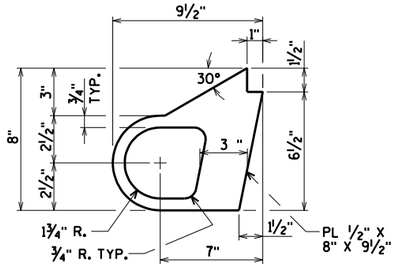
SUPERSTRUCTURE
BILL OF BARS

SHEET 18 OF 25
891

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com



TYPICAL SECTION THRU JOINT
NORMAL TO ℄ SUBSTRUCTURE



ALTERNATE STRIP SEAL ANCHOR

⚠ TEMPERATURE TABLE

SHADED UNDERSIDE DECK TEMP. (°F)	JOINT OPENING (NORMAL TO JT.)
85°	1½"
75°	1 13/16"
65°	1¾"
55°	1 5/16"
45°	2¼"
35°	2 7/16"
25°	2⅝"
15°	2 11/16"
5°	3"

(3/16" OF MOVEMENT PER 10°F CHANGE)

A SMALL JOINT OPENING DUE TO A HIGH TEMPERATURE AT TIME OF CONSTRUCTION MAY REQUIRE NEOPRENE STRIP SEAL INSTALLATION INTO STEEL EXTRUSIONS PRIOR TO SETTING THE EXPANSION JOINT.

LEGEND

⚠ 1. NEOPRENE STRIP SEAL (5 - INCH) & STEEL EXTRUSIONS. SET JOINT OPENING AS SHOWN IN TABLE.

2. STUDS ⅝" ϕ X 6⅜" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.

2A. ½" THICK ANCHOR PLATE WITH ⅝"ϕ ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE. WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CTRS. BETWEEN GIRDERS.

3. ¾" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.

4. ¾"ϕ THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

5. FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. FIELD OR SHOP WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" ϕ HOLE FOR NO. 3 & 1" ϕ HOLE FOR NO. 4.

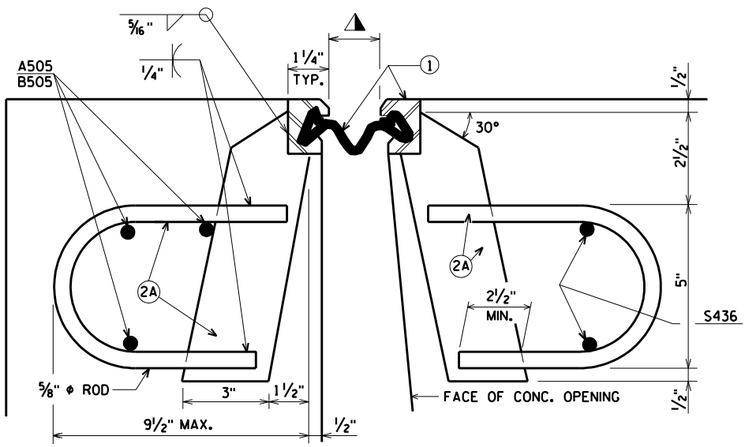
6. GALVANIZED PLATE ⅜" x 10½" x 2'-2" LONG WITH HOLES FOR #7.

7. ¾" ϕ x 1½" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLES. RECESS 1/16" BELOW PLATE SURFACE.

8. ¾" ϕ x 4" GALV. HEX HEAD BOLT. BEND 45°.

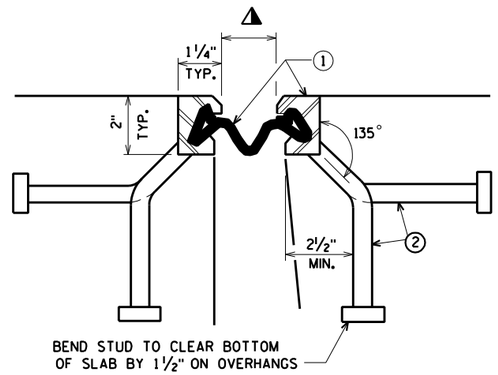
9. ¾" ϕ x 2 ¼" GALV. THREADED COUPLING.

10. 1" x 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.



AT PAVING BLOCK AT SLAB

SECTION THRU JOINT
ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



SECTION THRU JOINT
EXTERIOR GIRDER TO EDGE OF SLAB & AT PARAPETS.

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS, & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING THE PLATES, SUPPORTS, & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM #8 & #9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-32-67".

◧ DIMENSION IS TAKEN NORMAL TO CENTERLINE OF ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

EXPANSION JOINT DETAILS AT ABUTMENTS

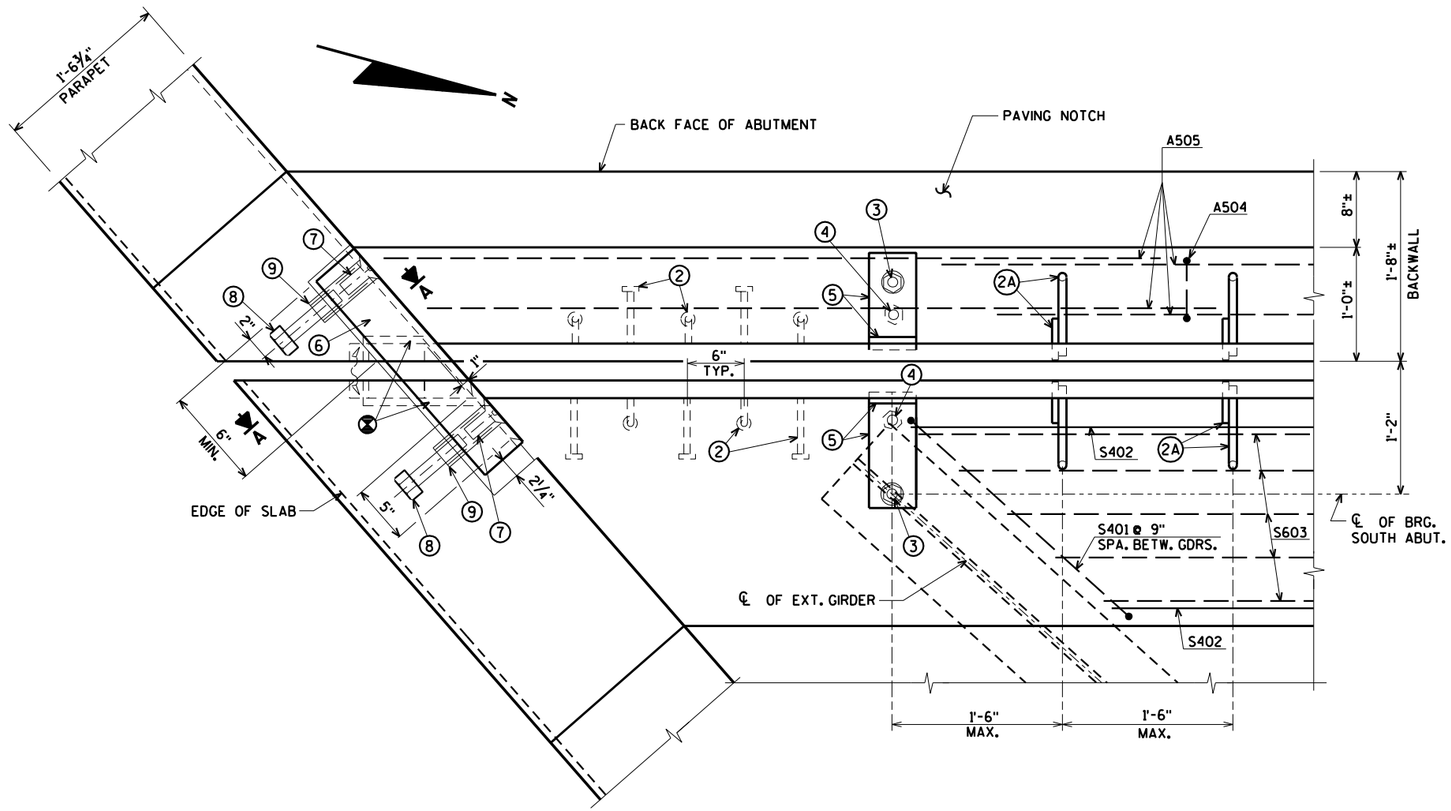
SHEET 19 OF 25
892

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67 exp jt.dgn

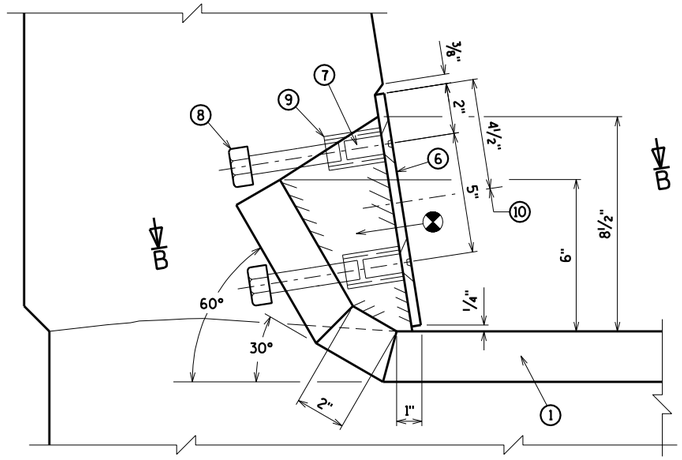
STATE PROJECT NUMBER

7190-03-72

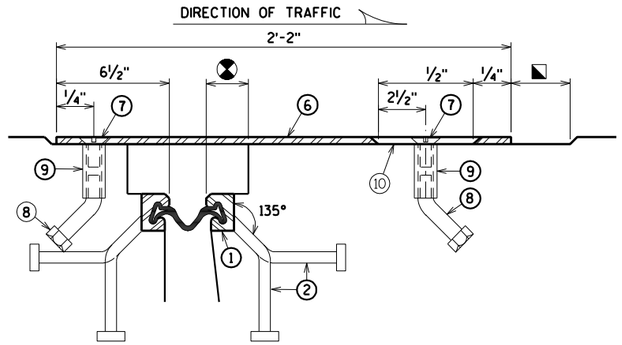


PART PLAN

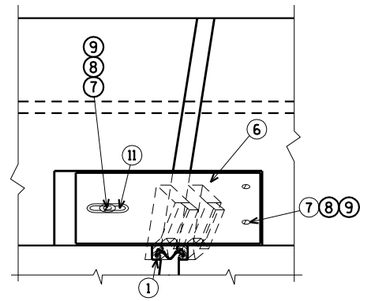
(WING 1 SHOWN, WING 2 SIMILAR)



SECTION A-A



SECTION B-B



VIEW OF PARAPET PLATE FROM ROADWAY

⊠ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

◪ JOINT OPENING DIM. ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

EXPANSION JOINT DETAILS SOUTH ABUTMENT

SHEET 20 OF 25
893

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 exp jt.dgn

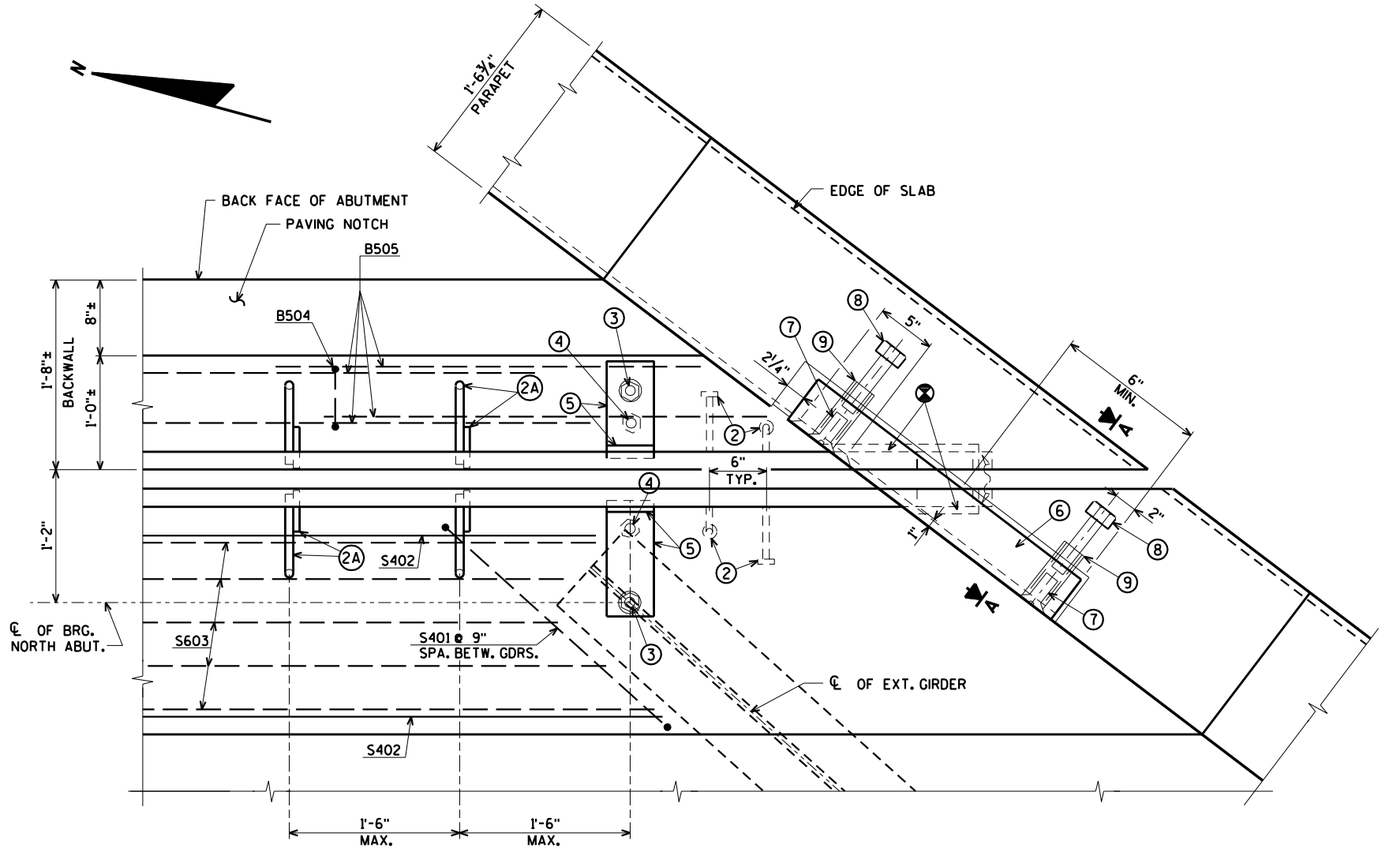
8

8

5/31/2016

PENTABLE:BReau_shd_util.tbl

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 exp jt.dgn



PART PLAN

(WING 4 SHOWN, WING 3 SIMILAR)

FOR SECTION A, SEE SHEET 20

⊗ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

◪ JOINT OPENING DIM. ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

EXPANSION JOINT DETAILS NORTH ABUTMENT

SHEET 21 OF 25
894

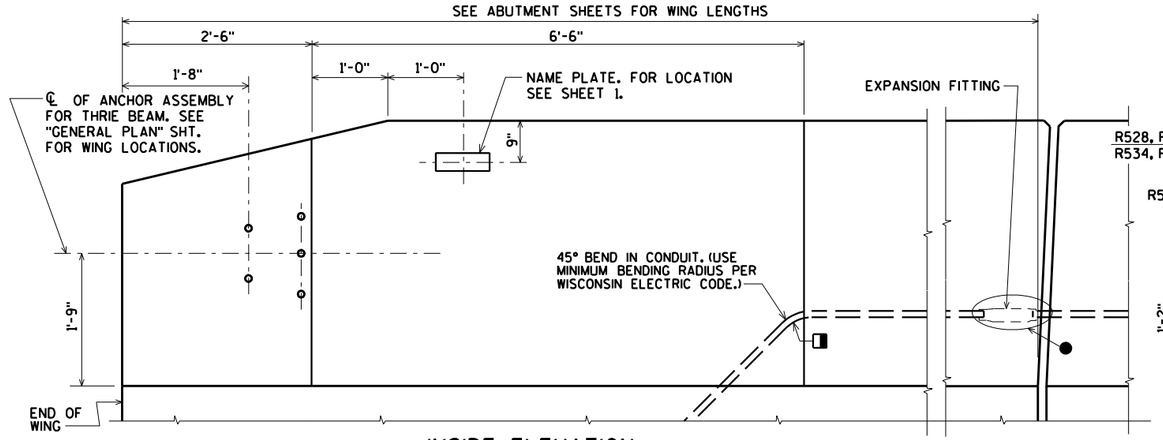
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

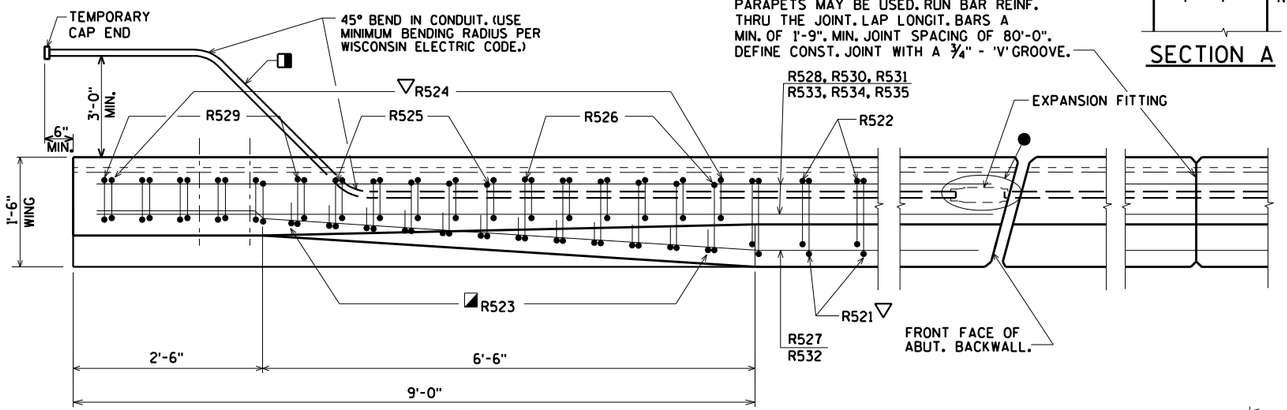
8

STATE PROJECT NUMBER

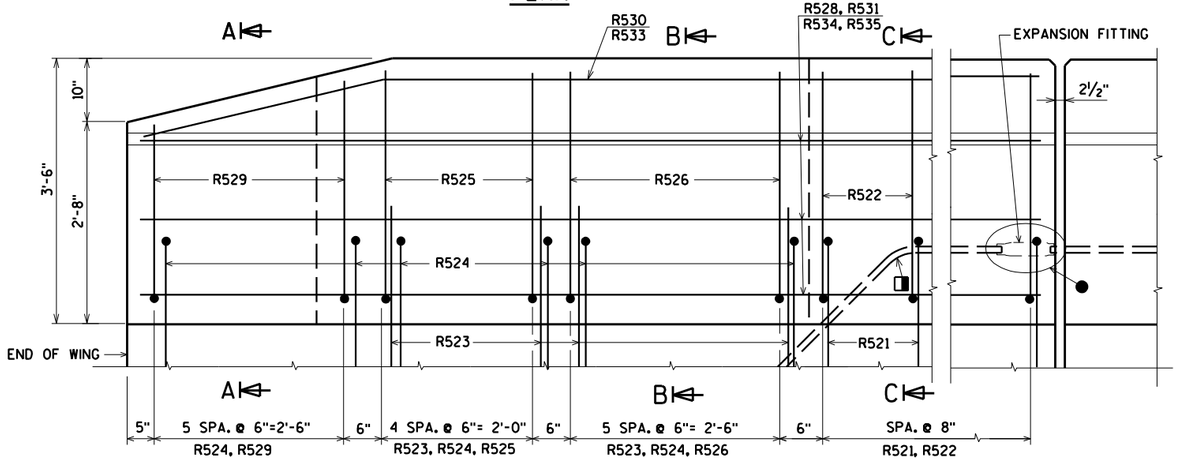
7190-03-72



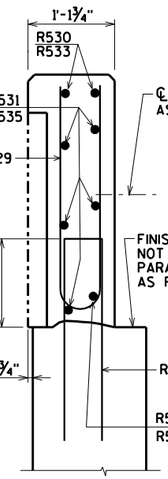
INSIDE ELEVATION



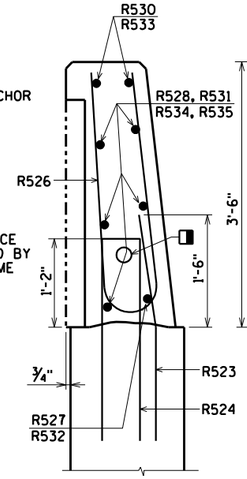
PLAN



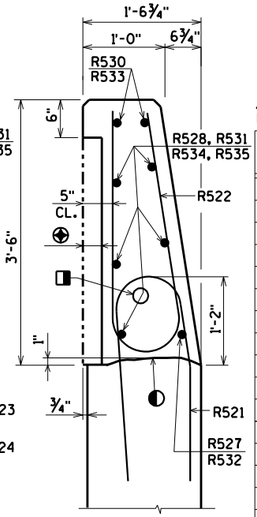
OUTSIDE ELEVATION



SECTION A



SECTION B

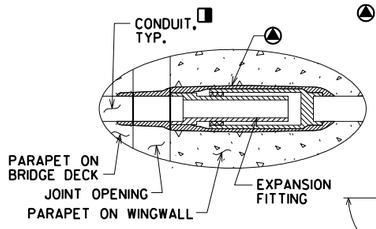


SECTION C

BILL OF BARS

FOR ABUTMENT PARAPETS WEIGHTS SHOWN ON SHEETS 7 & 11

BAR MARK	COAT	SOUTH ABUT.	NORTH ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R521	X	4	4	5-10	X		PARAPET VERT.
R522	X	4	4	6-8	X		PARAPET VERT.
R523	X	22	22	3-0	X		PARAPET VERT.
R524	X	34	34	5-7	X		PARAPET VERT.
R525	X	10	10	6-5	X		PARAPET VERT.
R526	X	12	12	6-6	X		PARAPET VERT.
R527	X	2	---	9-7	X		PARAPET HORIZ.
R528	X	5	---	8-7			PARAPET HORIZ. WING 1
R529	X	6	6	5-5	X	⚠	PARAPET VERT.
R530	X	2	---	9-7	X		PARAPET HORIZ. WING 1
R531	X	---	5	7-8			PARAPET HORIZ. WING 3
R532	X	---	1	9-7	X		PARAPET HORIZ.
R533	X	---	2	8-7	X		PARAPET HORIZ.
R534	X	5	---	9-9			PARAPET HORIZ. WING 2
R535	X	---	5	9-9			PARAPET HORIZ. WING 4
R536	X	2	---	9-9	X		PARAPET HORIZ. WING 2
R537	X	---	2	9-9	X		PARAPET HORIZ. WING 4

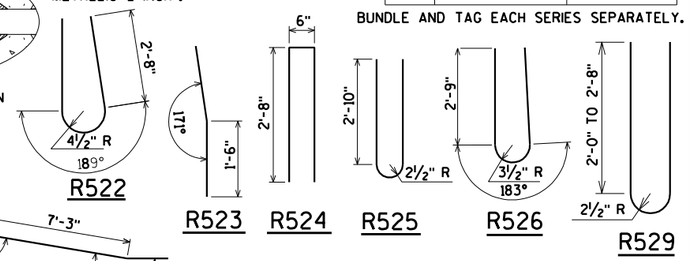


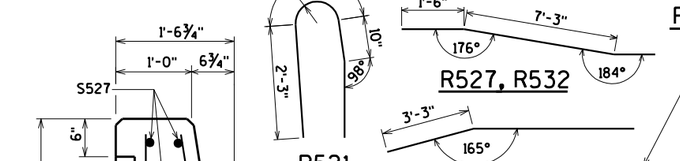
⚠ WRAP EXPANSION FITTING WITH SPONGE RUBBER. SPONGE RUBBER WRAP TO BE AASHTO M153 TYPE 1 OR EQUIVALENT. ¼" MINIMUM THICKNESS. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

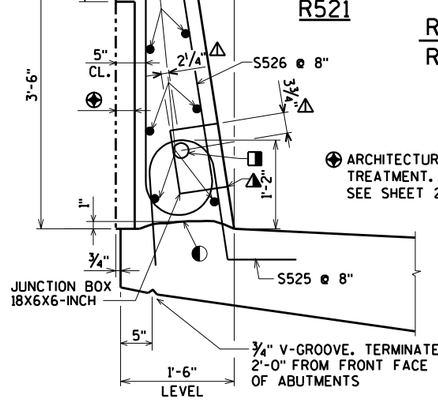
BAR SERIES TABLE

MARK	NO. REQ'D.	LENGTH
R529	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



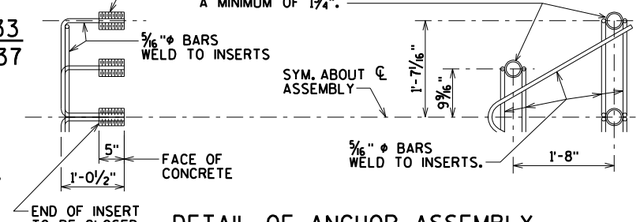




SECTION THRU PARAPET ON BRIDGE

◨ USE 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING. (FOR GROUNDING PURPOSES.)

ARCHITECTURAL SURFACE TREATMENT. FOR DETAILS SEE SHEET 24



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R523 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R523 OR S503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

R521 AND R524 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.

NOTES

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. LISTED FOR ELECTRICAL USE SHALL BE USED.

APPROVED MANUFACTURERS - JUNCTION BOXES: SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTIING: O-Z/GEDNEY TYPE AX-200 AND BONDING JUMPER (4" TOTAL CONDUIT MOVEMENT).

● POSITION MOVEABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.

⚠ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

▲ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

SINGLE SLOPE PARAPET 42SS

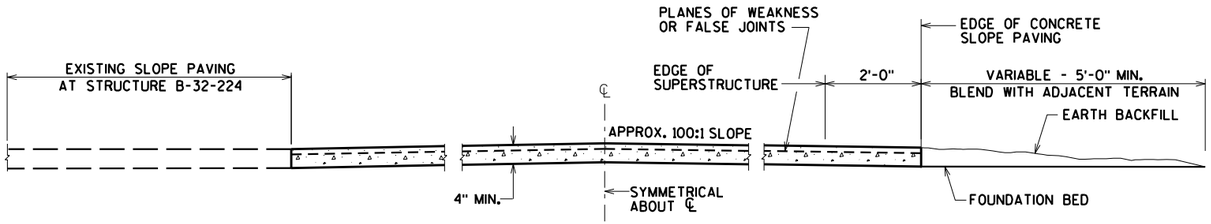
SHEET 22 OF 25
895

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

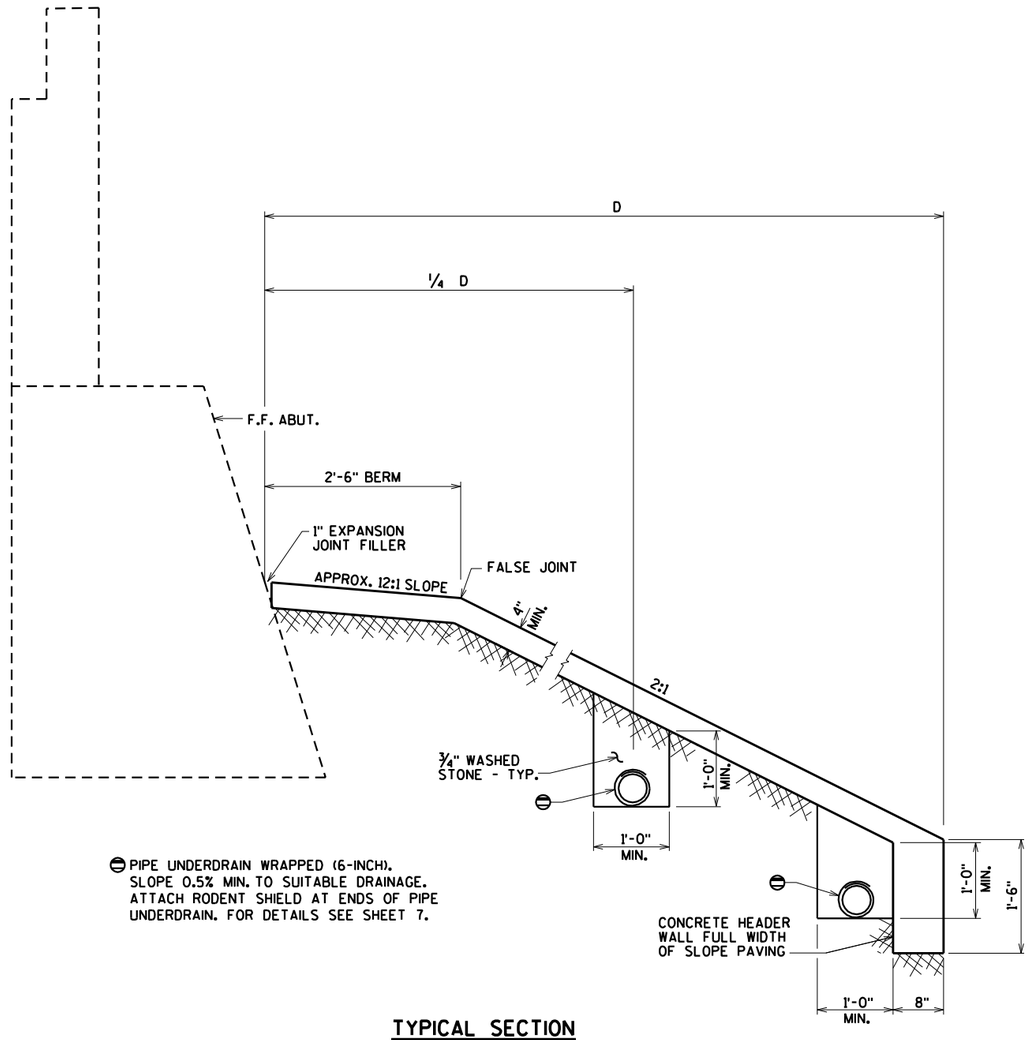
8

8

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 42SS.dgn

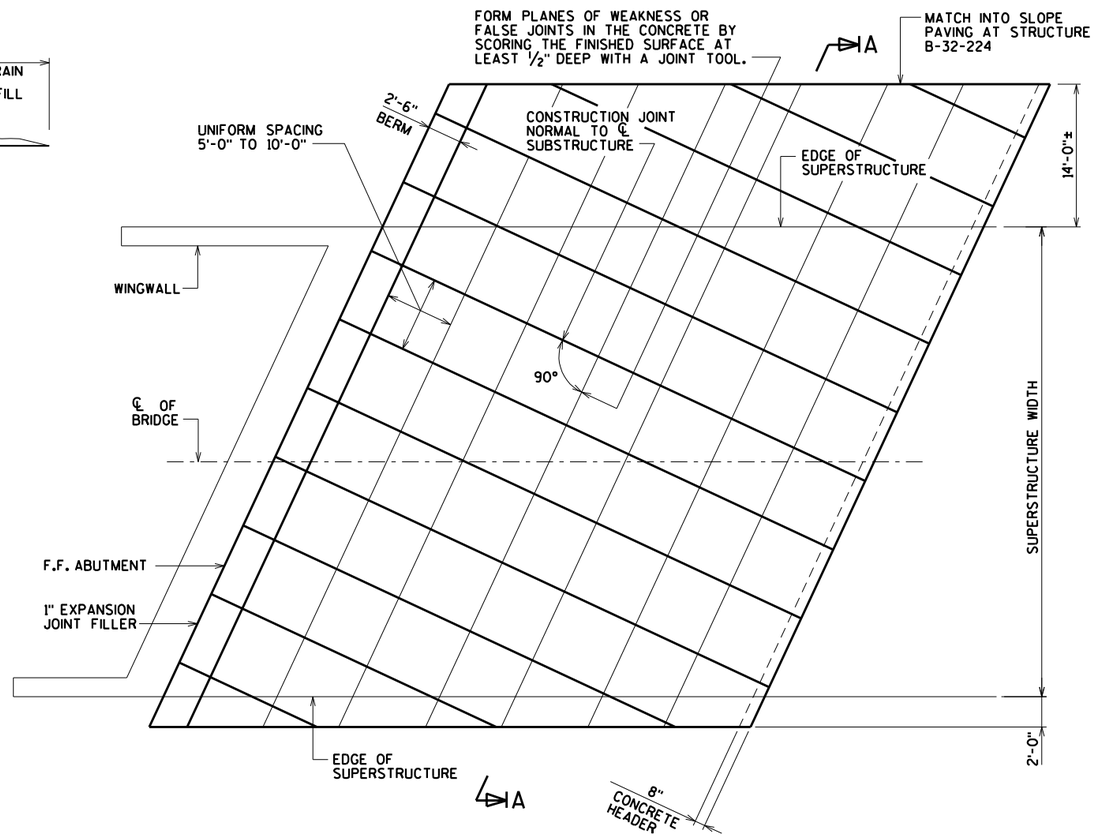


SECTION A-A

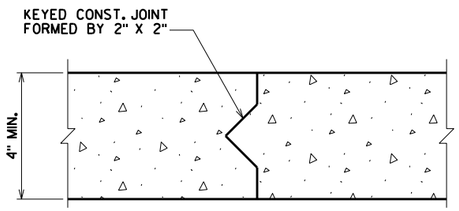


Ⓔ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. FOR DETAILS SEE SHEET 7.

TYPICAL SECTION



PLAN



CONSTRUCTION JOINT

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN HEREIN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

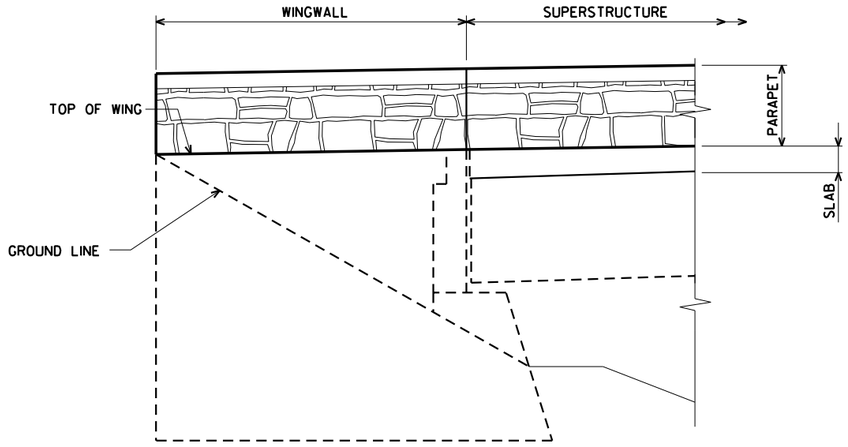
SLOPE PAVING

SHEET 23 OF 25
896

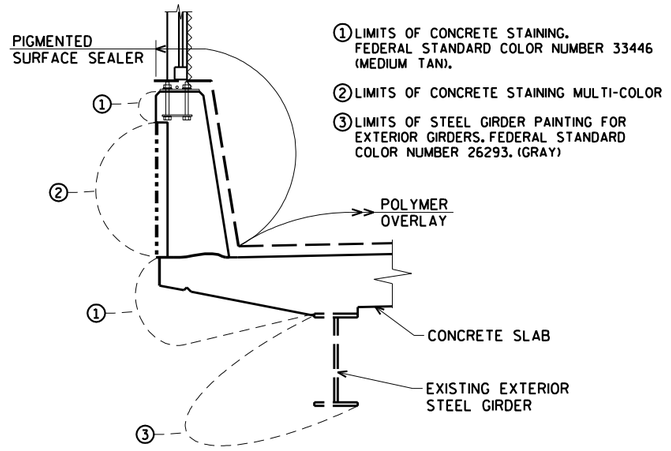
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 slPAV.dgn

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\B-32-67 STH 35 NB over BN RR\BRIDGE\FINAL STRUCTURE\B-32-67



ARCHITECTURAL SURFACE TREATMENT AT ABUTMENT WINGWALLS

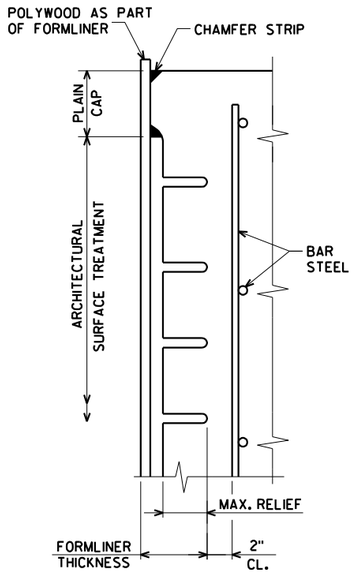


① LIMITS OF CONCRETE STAINING. FEDERAL STANDARD COLOR NUMBER 33446 (MEDIUM TAN).

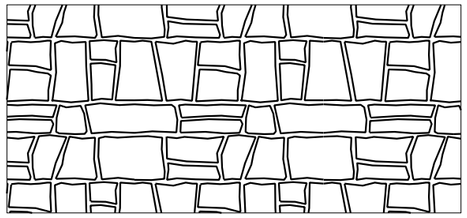
② LIMITS OF CONCRETE STAINING MULTI-COLOR

③ LIMITS OF STEEL GIRDER PAINTING FOR EXTERIOR GIRDERS. FEDERAL STANDARD COLOR NUMBER 26293. (GRAY)

SURFACE TREATMENT DETAIL



SECTION THRU FORMLINER



RUSTIC ASHLAR

FORMLINER THICKNESS = 3"
SIZE = 8" TO 32"
MAX. RELIEF = 2"

PARAPET NOTES

THE FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO THE TOP OF PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

ARCHITECTURAL SURFACE TREATMENT

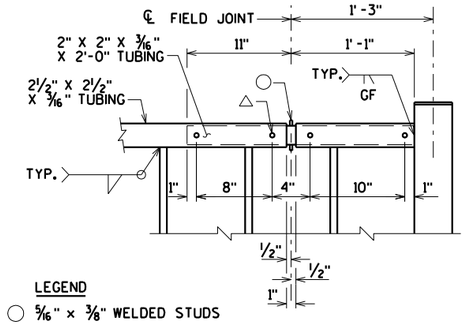
SHEET 24 OF 25
897

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

8

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±B-32-67 STH 35 NB over BN RR±BRIDGE±FINAL STRUCTURE±B-32-67 ornam screen.dgn

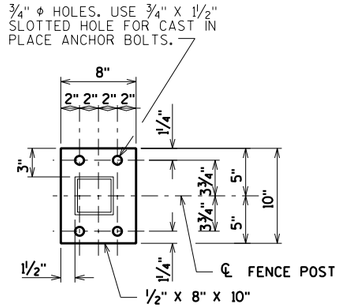


LEGEND

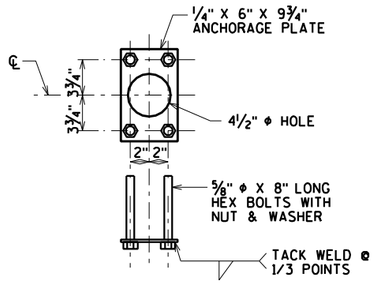
○ 5/16" × 3/8" WELDED STUDS

△ WELD BEAD ON EACH SIDE OF TUBE. GRIND BEADS SO THAT SLEEVE FITS FREELY INSIDE THE 2½" × 2½" TUBE.

RAILING EXPANSION JOINT DETAIL

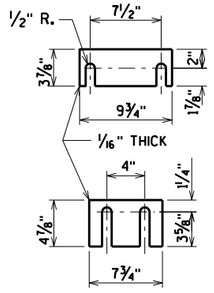


BASE PLATE



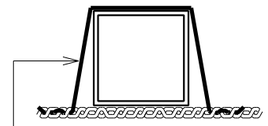
ANCHORAGE DETAIL

⅝" ϕ CONCRETE MASONRY ANCHOR, TYPE S EPOXY, 7" MINIMUM EMBEDMENT WITH A MINIMUM PULLOUT OF 20 KIPS MAY BE SUBSTITUTED FOR ⅝" CAST IN PLACE ANCHOR BOLTS. ANCHORAGE PLATE NOT REQUIRED WHEN TYPE S ANCHORS ARE USED.



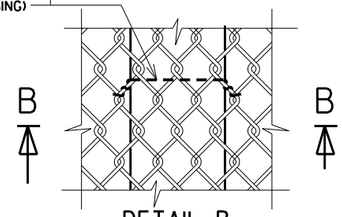
SHIM PLATE DETAILS

TWO SHIMS OF EACH SIZE REQUIRED PER POST

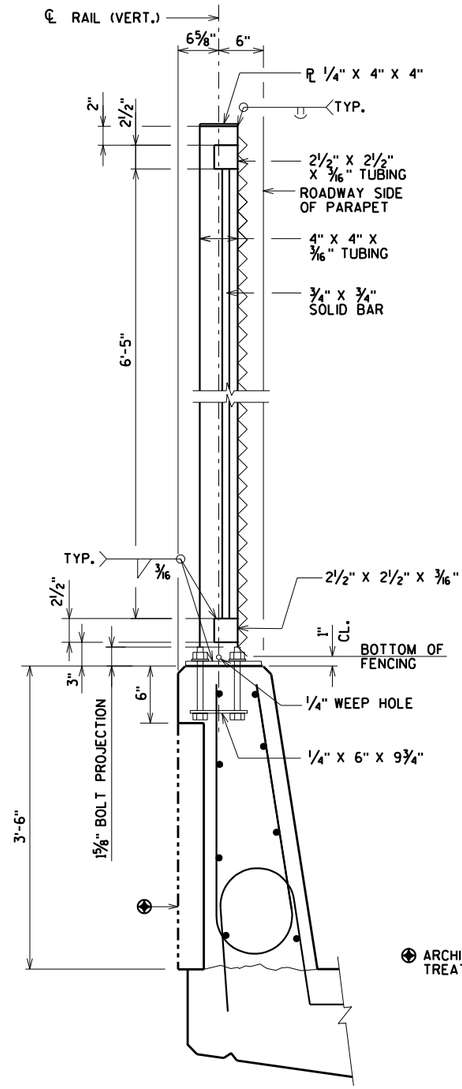


SECTION B-B

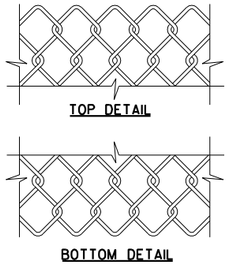
FABRIC TIE ⊗ 1'-0" MAX. SPA. (TYP. RAIL POSTS & HORIZ. TUBING)



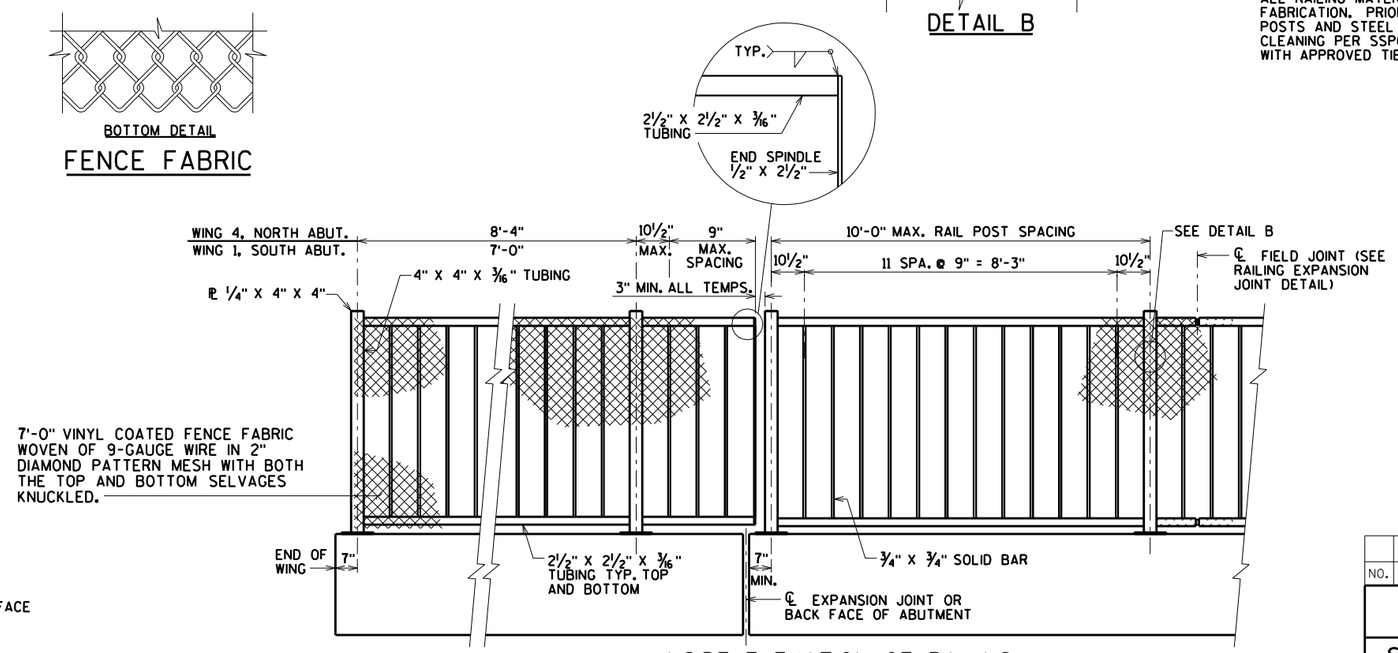
DETAIL B



SECTION THRU RAILING



FENCE FABRIC



INSIDE ELEVATION OF RAILING

STATE PROJECT NUMBER

7190-03-72

NOTES

BID ITEM SHALL BE "RAILING TUBULAR SCREENING B-32-67" WHICH SHALL INCLUDE ALL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

RAILS AND POSTS TO BE ASTM A500, GRADE B. BASE PLATES AND SHIMS TO BE ASTM A709, GRADE 36. ALL GALVANIZED AFTER FABRICATION.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET POSTS NORMAL TO GRADE.

ALL POST SPA. ARE TAKEN HORIZ. ALONG CENTER LINE OF RAILING AT BASE OF POST.

SHIMS SHALL BE USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

CUT BOTTOM OF POST TO MAKE VERTICAL IN TRANSVERSE DIRECTION.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.

RAILING TO BE PAINTED AND FENCE FABRIC AND TIES TO BE VINYL COATED. FEDERAL COLOR NO. 27038 (BLACK).

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE NOT MORE THAN 3 POSTS.

THE END OF THE FABRIC SHALL BE ATTACHED TO THE POST BY MEANS OF A TENSION BAR THREADED THROUGH THE END LOOPS OF THE FABRIC AND SECURED TO THE POST WITH CLAMPS & BOLT. THE FABRIC SHALL BE STRETCHED TO REMOVE ALL SLACK.

VENT HOLES SHALL BE DRILLED IN MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

ALL RAILING MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING ALL STEEL RAILING POSTS AND STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH APPROVED TIE COAT AND TOPCOAT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-32-67

DRAWN BY CLS | PLANS CK'D. AEB

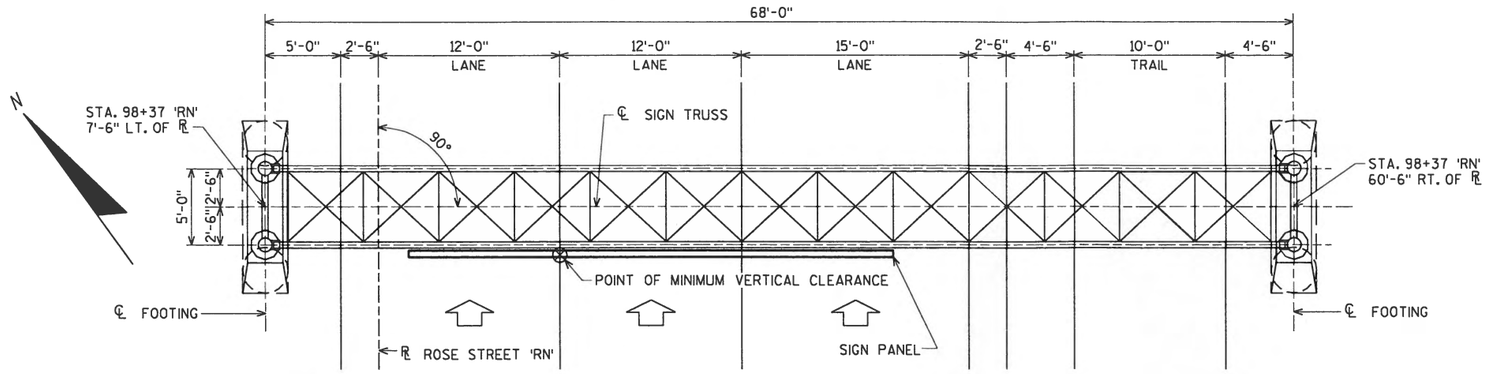
ORNAMENTAL PROTECTIVE SCREENING

SHEET 25 OF 25
898

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

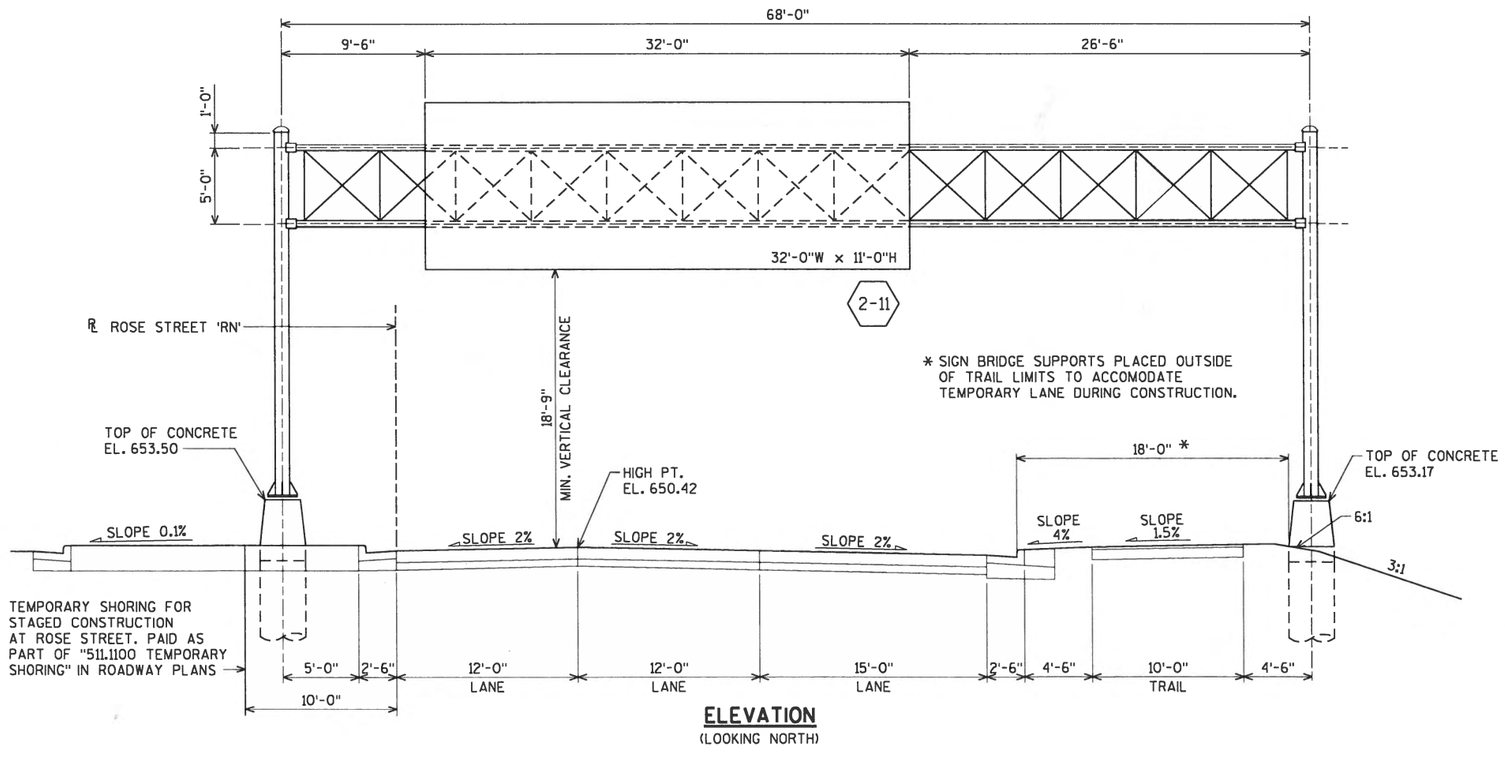
STATE PROJECT NUMBER

1071-06-83



PLAN

SIGN STRUCTURE S-32-51



ELEVATION

(LOOKING NORTH)

DESIGN DATA

SIGN STRUCTURE DESIGN IS BASED ON THE FOLLOWING:

SIGN AREA = 384 SQ. FEET
MAX. SIGN DEPTH = 12 FEET

THE WEIGHT OF ADDITIONAL SIGN PANEL AND BRACKETS IS EQUIVALENT TO 3.0 PSF ASSUMED EVENLY DISTRIBUTED TO SIGN AREA.

DESIGNED ACCORDING TO THE 6th EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

DEAD LOAD = 3 PSF OF SIGN, WT. OF SUPPORTING STRUCTURE
LIVE LOAD = N/A
ICE LOAD = 3 PSF TO ONE FACE OF SIGN AND AROUND SURFACE OF MEMBERS.
WIND PRESSURE = 90 MPH (3-SECOND GUST) TO SIGN AREA AND EXPOSED MEMBERS.
FATIGUE - NOT APPLICABLE

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD + WIND	133
3. DEAD + ICE + ½(WIND)*	133

*MIN. VALUE OF 25 PSF FOR GROUP 3.

LIST OF DRAWINGS

1. GENERAL PLAN
2. SIGN STRUCTURE NOTES
3. 4-CHORD GALVANIZED STEEL SIGN BRIDGE
4. 4-CHORD SIGN BRIDGE DETAILS
5. STEEL SIGN BRIDGE FOOTING DETAILS
6. SUBSURFACE EXPLORATION

FOR NOTES PERTAINING TO THIS STRUCTURE SEE SHEET 2

WISCONSIN
DANIEL N. SYDOW
E-38363
WI
PROFESSIONAL ENGINEER
8/1/2016

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
DAN SYDOW
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 10/06/16
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE S-32-51

USH 53/STH 35 (ROSE STREET) STA. 98+37 'RN'

COUNTY LA CROSSE | ~~TOWN~~/CITY/~~VILLAGE~~ LA CROSSE

DESIGN SPEC.
STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CJM	JWZ	JWZ/CLS	DWS

GENERAL PLAN

SHEET 1 OF 6
899

8

8

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-51\STRUCTURE\S-32-0051 sign.dgn

DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

7/27/2016 PENTABLE:BRedu_shd_util.tbl DATE:

STATE PROJECT NUMBER

1071-06-83

MATERIAL PROPERTIES

CONCRETE MASONRY	f'c = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	fy = 60,000 p.s.i.
COLUMNS & CHORD PIPES (API 5L, GRADE X42)	fy = 42,000 p.s.i.
STRUCTURAL ANGLES, PLATES, & BARS (ASTM A709, GRADE 36)	fy = 36,000 p.s.i.
ANCHOR RODS (ASTM F1554, GRADE 55)	
HEAVY HEX NUTS (ASTM A563A), WASHERS (ASTM F436)	fy = 55,000 p.s.i.
HIGH STRENGTH BOLTS (ASTM A325)	fy = 92,000 p.s.i.

STRUCTURAL MEMBERS GALVANIZED (ASTM A123)
HARDWARE GALVANIZED (ASTM A153, CLASS C)

LIST OF BID ITEMS

⚠ 636.0100	SIGN SUPPORTS CONCRETE MASONRY	22	CY
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	3,400	LB
641.6600	SIGN BRIDGE STRUCTURE S-32-51	1	LS
SPV.0105	PAINT STRUCTURE S-32-51	1	LS

⚠ PAYMENT FOR EXCAVATION AND TEMPORARY CASING IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

SIGN BRIDGE IDENTIFICATION PLAQUE SHALL BE INCIDENTAL TO "SIGN BRIDGE STRUCTURE S-32-51".

ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA. A325 GALVANIZED BOLTS.

FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

ALL STRUCTURAL STEEL MEMBERS, PLATES, ANCHOR RODS, HS. BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WisDOT STANDARD SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT THE TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE BRIDGE, 2'-0" DEEPER THAN ℄ TO ℄ OF CHORDS. SIGNS SHALL BE AS DESIGNATED IN PLANS.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641.33 OF THE WISDOT STANDARD SPECIFICATIONS.

CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

SEE SIGN PLATE NO. A4-6 OF THE SIGN PLATE MANUAL FOR INSTRUCTION ON CENTERING SIGN VERTICALLY ON TRUSS.

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTINGS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

LOCATE SIGN PANELS OVER THE APPROXIMATE LANE BASED ON SIGN PANEL ARROWS AND LANE CONFIGURATION.

•• ALTERNATE MATERIAL FOR CHORD LESS THAN 10" DIAMETER MAY BE API SPEC. 5L GRADE X46 Fy = 46,000 PSI AND GRADE X52 Fy = 52,000 PSI, ASTM A500 GRADE B Fy = 42,000 PSI, GRADE C Fy = 46,000 PSI, OR ASTM A53 GRADE B Fy = 35,000 PSI. (ASTM A53 GRADE B REQUIRES FULL ANALYSIS OF THE STRUCTURES).

FOUNDATION DATA

ALLOWABLE END BEARING PRESSURE = 12.6 TONS/SQ. FT.

TEMPORARY CASING SHOULD BE PLANNED DURING THE EXCAVATION OF THE DRILLED SHAFT FOUNDATION. CONTRACTOR SHOULD BE PREPARED TO UTILIZE DRILLING MUD OR OTHER TECHNIQUES DURING CONSTRUCTION IF A CLEAN, STABLE EXCAVATION BASE IS NOT MAINTAINED.

TRAFFIC DATA

A.D.T. = 24,400 (2016)
A.D.T. = 29,500 (2036)
R.D.S. = 45 M.P.H.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-51

DRAWN BY CLS | PLANS CK'D.

SIGN STRUCTURE NOTES

SHEET 2 OF 6
900

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

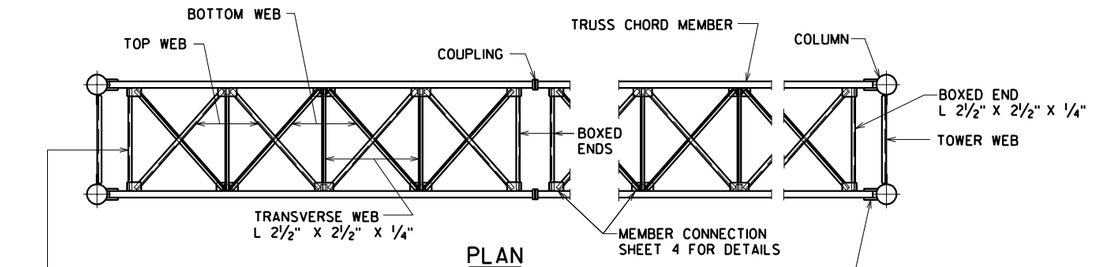
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-51\STRUCTURE\S-32-0051 sign.dgn

8

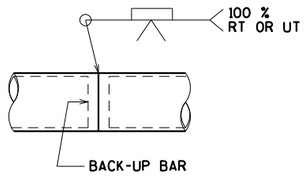
8

STATE PROJECT NUMBER

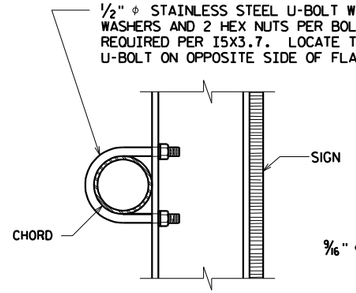
1071-06-83



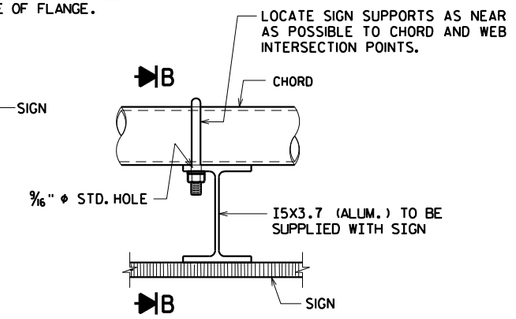
PLAN



CHORD SPLICE

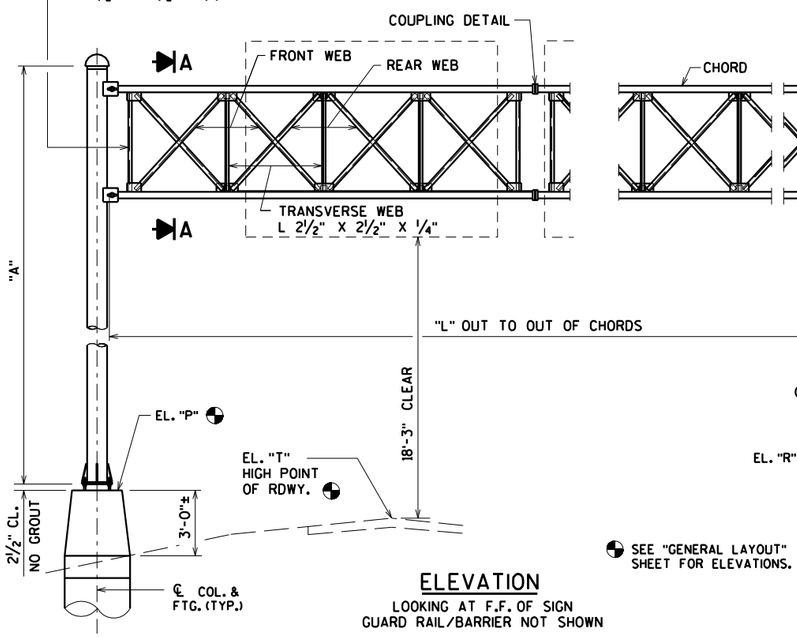


SECTION B-B



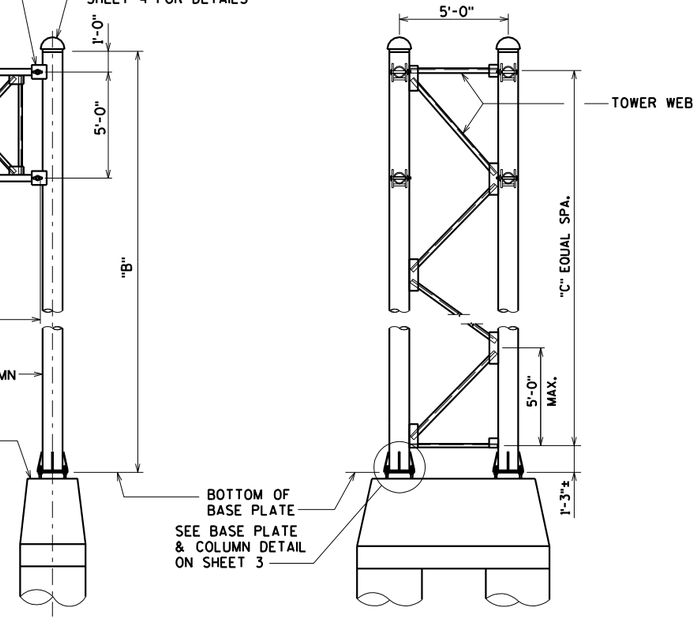
TYPICAL SIGN CONNECTION

FOR TYPE I AND II SIGNS ONLY



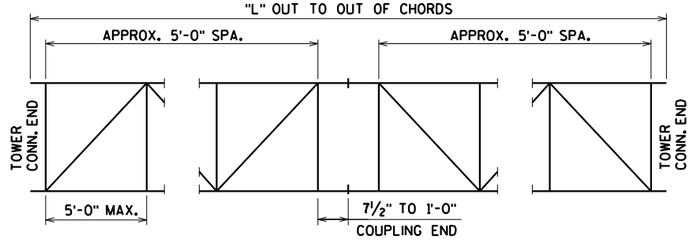
ELEVATION

LOOKING AT F.F. OF SIGN
GUARD RAIL/BARRIER NOT SHOWN



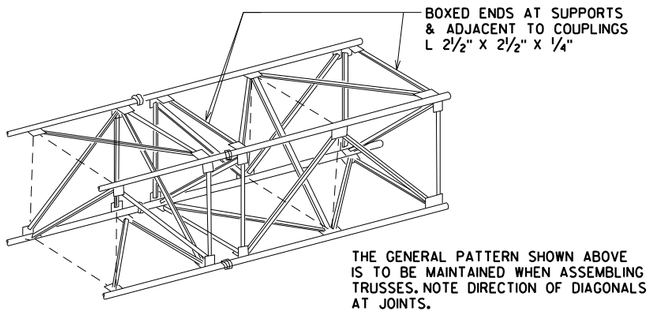
END VIEW

GUARD RAIL/BARRIER NOT SHOWN

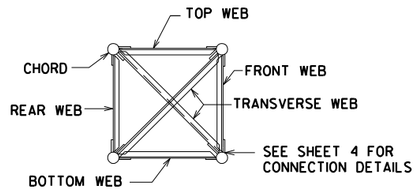


TRUSS ARRANGEMENT

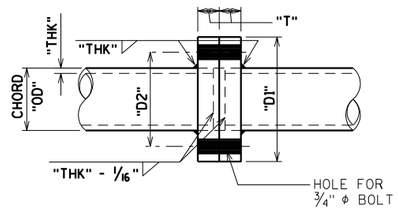
FABRICATOR MAY MAKE TRUSSES ANY LENGTH KEEPING A SECTION A MINIMUM OF 20'-0" & A MULTIPLE OF 5'-0". CHORD FIELD SPLICES SHALL BE MADE WITH COUPLINGS. CHORD SHOP SPLICE SHALL BE THE WELDED SPLICE SHOWN ABOVE.



TYPICAL TRUSS SECTION



SECTION A-A



COUPLING DETAIL

CONTRACTOR SHALL PROVIDE #16 GA. GALVANIZED STEEL SHIMS, AS REQUIRED TO PROVIDE FOR A CAMBER SHOWN IN THE TABLE.

DIMENSIONS, CAMBER & MEMBER SIZES

STRUCTURE	DIMENSIONS					CHORD	TRUSS WEB		COUPLING				COLUMN	TOWER WEB
	"L"	"A"	"B"	"C"	CAMBER	"OD" X "THK"	TOP & BOTTOM	FRONT & REAR	"D1"	"T"	"D2"	NO. OF BOLT	"OD" X "THK"	
S-32-51	66'-10¼"	24'-8"	25'-0"	5	1"	4" X 0.226"	3" X 3" X ¼"	3" X 3" X ¼"	9½"	⅞"	7"	6	10¾" X 0.365"	4" X 4" X ¼"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-51

DRAWN BY CLS | PLANS CK'D. CJM

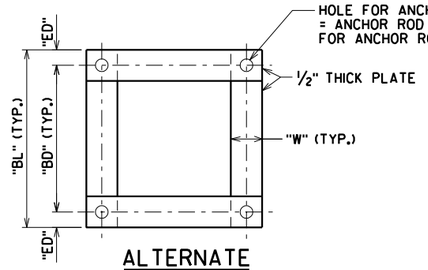
4-CHORD GALVANIZED STEEL SIGN BRIDGE

SHEET 3 OF 6
901

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-51\STRUCTURE\S-32-0051sign DTLS.dgn

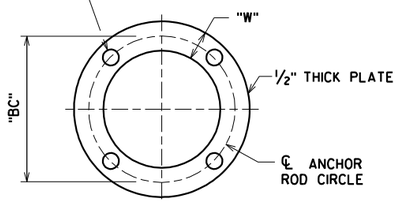
8



ALTERNATE

ANCHOR PLATE/TOP TEMPLATE

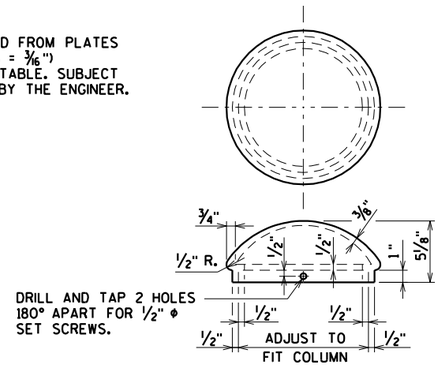
PLAN VIEW



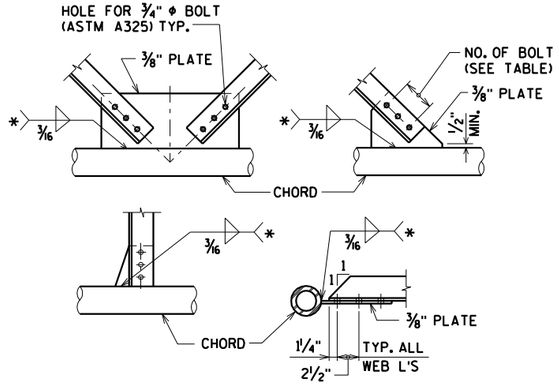
ANCHOR PLATE/TOP TEMPLATE

PLAN VIEW

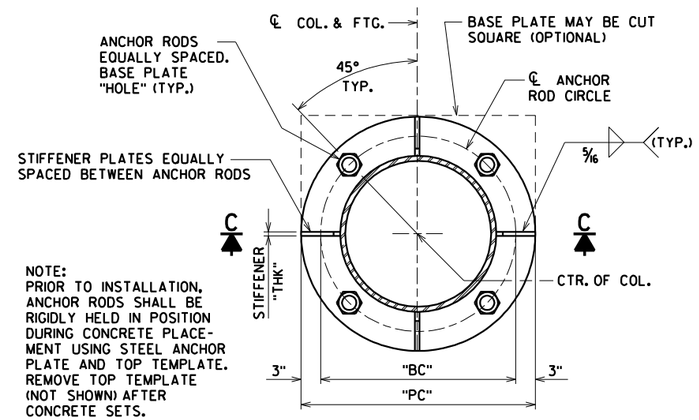
CAP FABRICATED FROM PLATES
(MIN. THICKNESS = 3/16")
WILL BE ACCEPTABLE. SUBJECT
TO APPROVAL BY THE ENGINEER.



TOWER CAP DETAIL

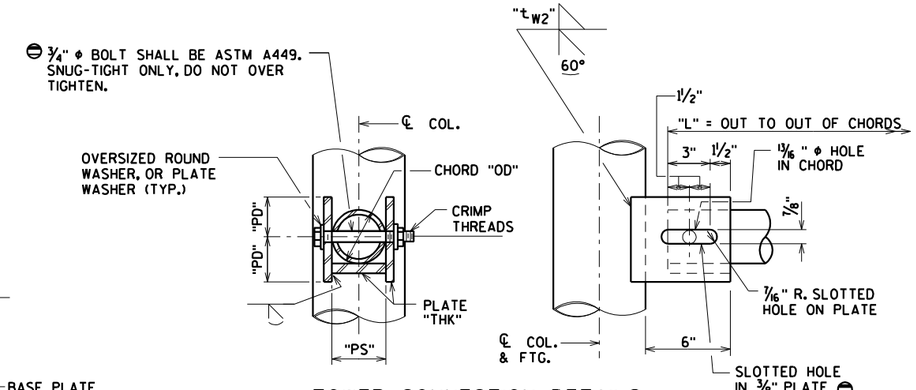


TYPICAL TRUSS CONNECTION DETAILS



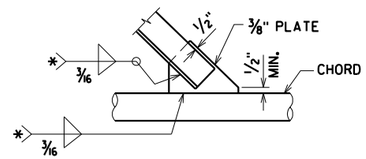
BASE PLATE

PLAN VIEW

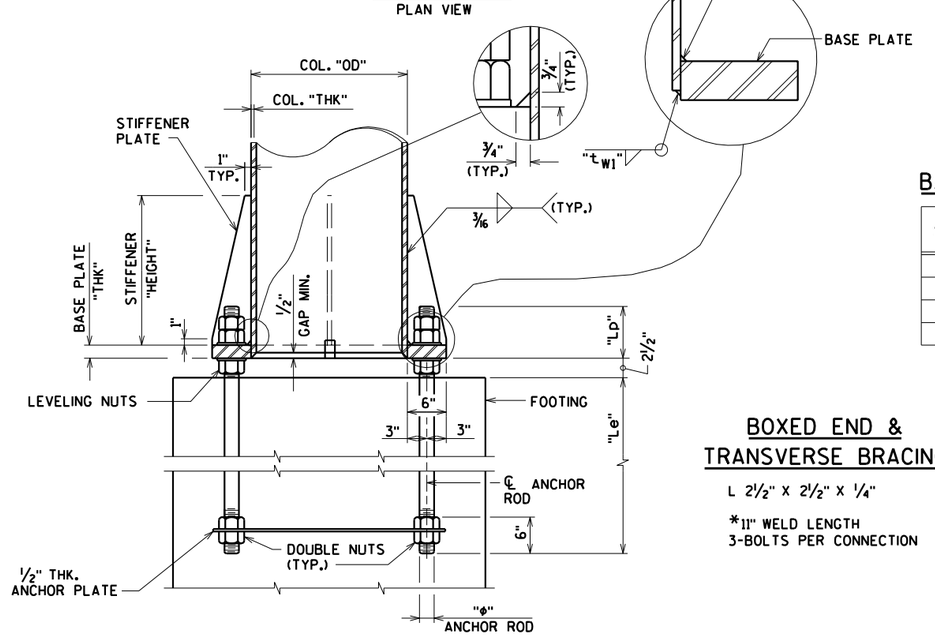


TOWER CONNECTION DETAILS

⊖ BOLT AND HOLE DIMENSIONS SHOWN ARE MINIMUM



TYPICAL WELDED ALTERNATE



SECTION C-C

BOXED END &
TRANSVERSE BRACING

L 2 1/2" X 2 1/2" X 1/4"

*11" WELD LENGTH
3-BOLTS PER CONNECTION

BASE PLATE, COLUMN STIFFENER, ANCHOR ROD & TOWER CONNECTION

STRUCTURE	BASE PLATE					ANCHOR PLATE/TOP TEMPLATE				STIFFENER PLATE		ANCHOR ROD			TOWER CONNECTION			
	"BC"	"PC"	"THK"	"HOLE"	"t W1"	"W"	"BD"	"ED"	"BL"	"THK"	"HEIGHT"	"ϕ"	"Le"	"Lp"	"PD"	"PS"	"THK"	"t W2"
S-32-51	16 3/4"	1'-10 3/4"	0.365"	1 5/16"	3/8"	2 1/2"	11 13/16"	1 1/4"	14 5/16"	1/2"	14"	1 1/4"	2'-7"	4 1/2"	6 1/8"	11 1/8"	0.365"	3/8"

WEB MEMBER CONNECTIONS

STRUCTURE	TRUSS WEB			TOWER WEB		
	ANGLE SIZE	*WELD LENGTH	NO. OF BOLT	ANGLE SIZE	*WELD LENGTH	NO. OF BOLT
S-32-51	4" X 4" X 1/4"	18"	5	4" X 4" X 1/4"	18"	5

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-51

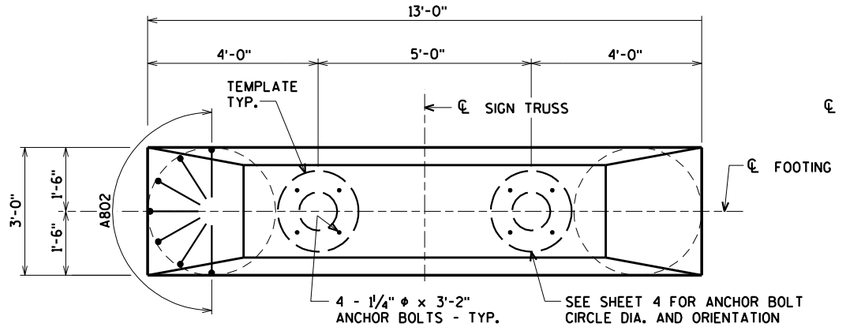
DRAWN BY CLS | PLANS CK'D. CJM

4-CHORD SIGN
BRIDGE DETAILS

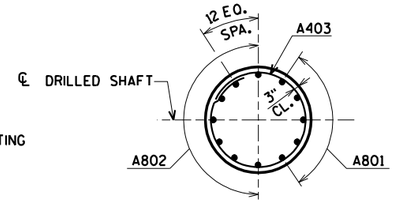
SHEET 4 OF 6
902

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

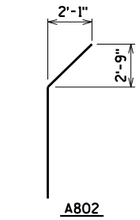
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-51\STRUCTURE\S-32-0051 sign DTLS.dgn
5/31/2016
PENTABLE:BReau_shd_util.tbl

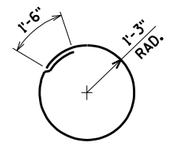


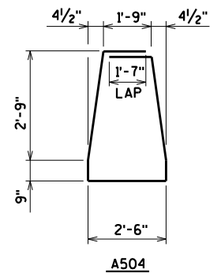
PLAN

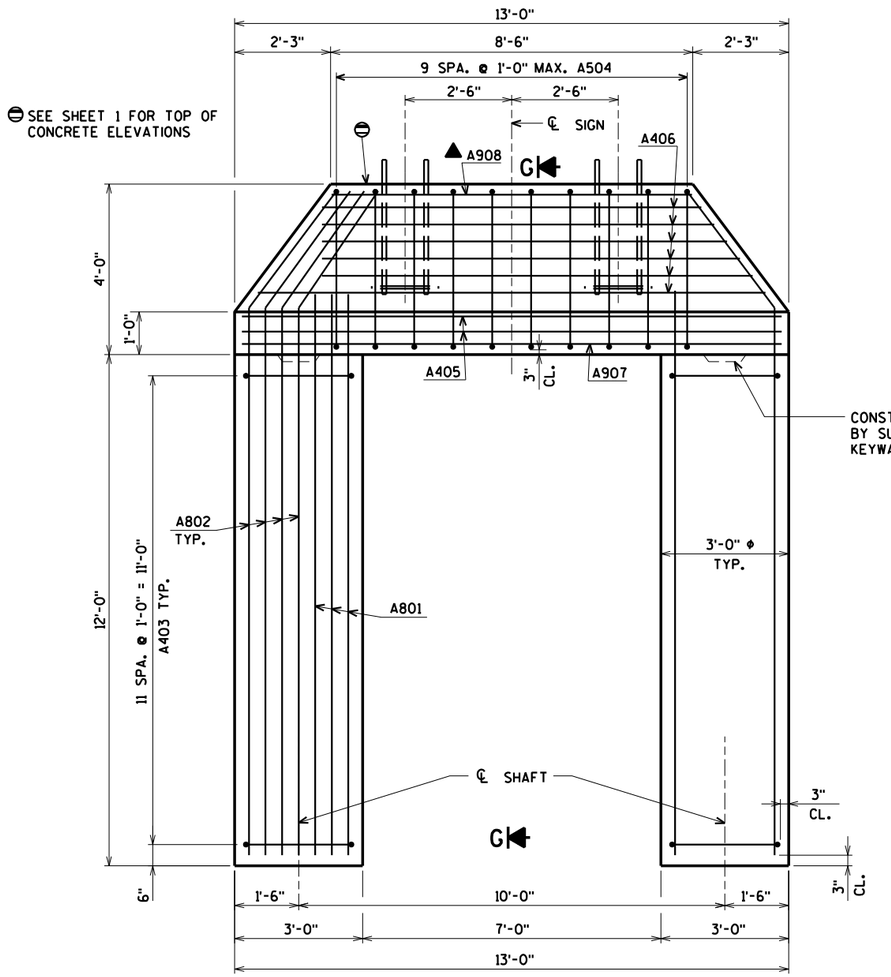


SECTION F

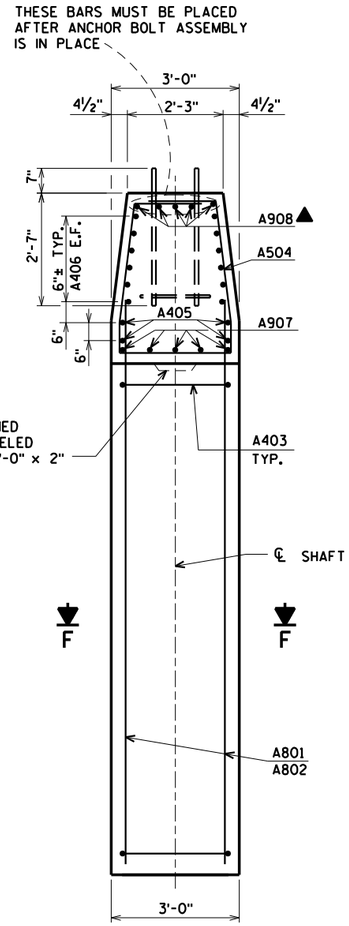








ELEVATION



SECTION G

▲ SPACE TO MISS ANCHOR BOLTS. TIE IN PLACE AFTER ANCHOR BOLTS LOCATED.

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	1,700# COATED LOCATION
A801	X	10	13-4			FOOTING - VERT.
A802	X	14	16-2	X		FOOTING - VERT.
A403	X	24	9-4	X		FOOTING - HOOPS
A504	X	10	12-3	X		FOOTING - STIRRUPS
A405	X	4	12-6			FOOTING - HORIZ.
A406	X	12	10-3		⊗	FOOTING - HORIZ.
A907	X	5	12-6			FOOTING - HORIZ.
A908	X	5	8-2			FOOTING - HORIZ.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
A406	2 SERIES OF 6	8'-2" TO 12'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY.

GENERAL NOTES

FOOTINGS BELOW THE CAP SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

BAR STEEL REINF. SHALL BE EMBEDDED 3" CLEAR.

PROVIDE 2 GALVANIZED NUTS AND WASHERS PER ANCHOR BOLT. FOR FIELD ADJUSTMENT, ENLARGE NUTS FOR PROPER FIT AFTER GALVANIZING.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

PROVIDE ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT FOOTING PRIOR TO BACK FILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY ____ f'_c = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) ____ f_y = 60,000 p.s.i.
ANCHOR BOLTS (ASTM FISS4, GRADE 55) ____ f_y = 55,000 p.s.i.

ESTIMATED QUANTITIES (ONE FOOTING)

SIGN SUPPORT CONCRETE MASONRY ____ 12 CY
SIGN SUPPORT STEEL COATED REINFORCEMENT HS ____ 1,700 LB

QUANTITIY OF BARS IN TABLE IS FOR ONE FOOTING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-51

DRAWN BY CLS | PLANS CK'D. CJM

STEEL SIGN BRIDGE FOOTING DETAILS

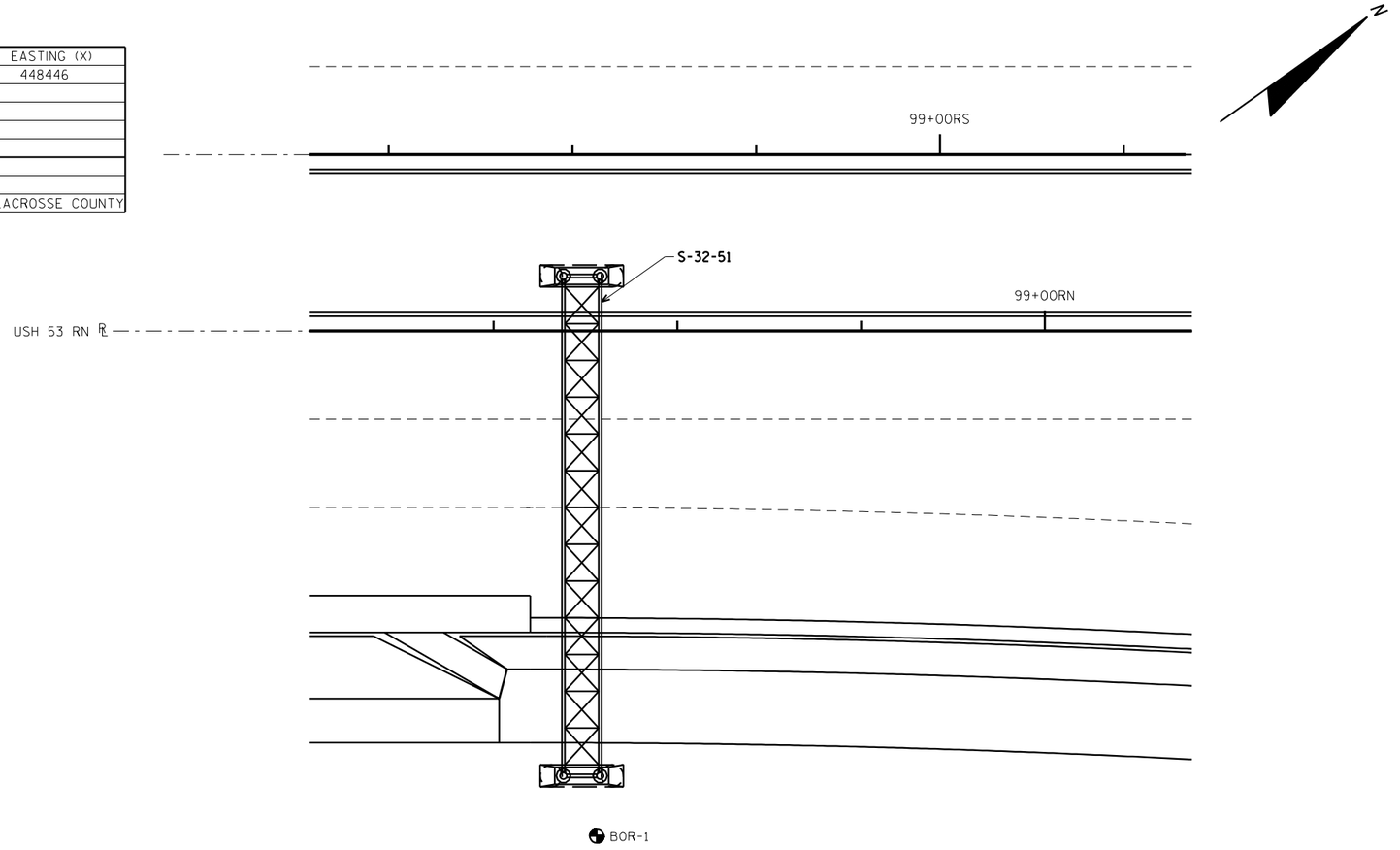
SHEET 5 OF 6
903

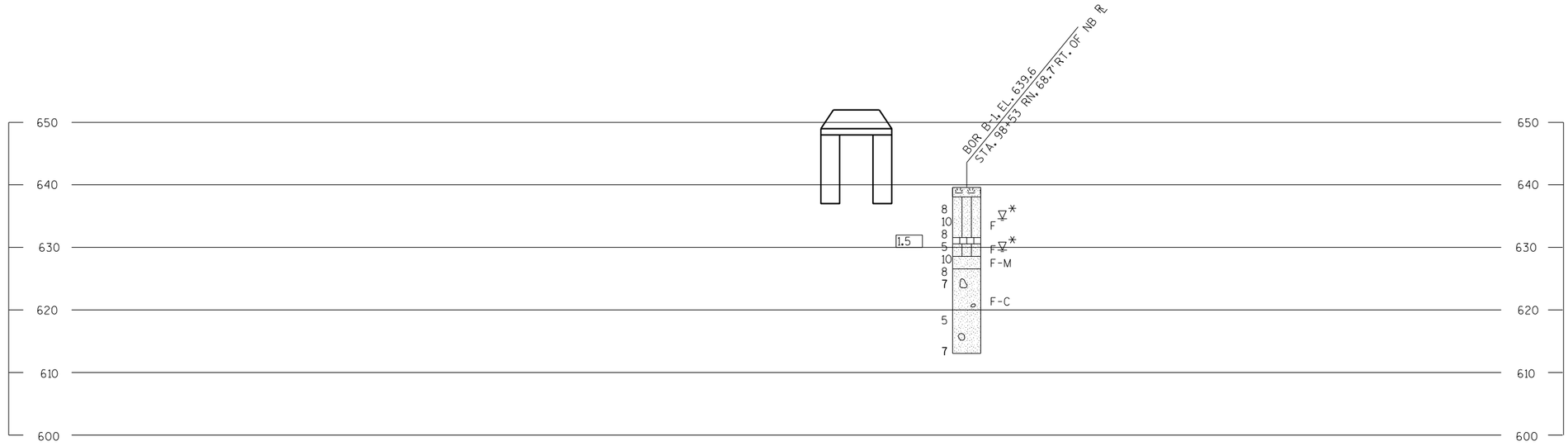
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:±41-0627.00 - LaCrosse County, IH90±S-32-51±STRUCTURE±S-32-0051sign DTLS.dgn

USH 53/STH 35-THEATER RD

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/3/14	149728	448446
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) LACROSSE COUNTY			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

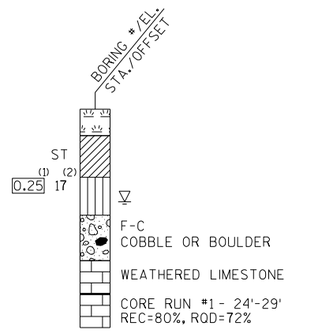
STATE PROJECT NUMBER

1071-06-83

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-51

DRAWN BY PR | PLANS CK'D. CJM

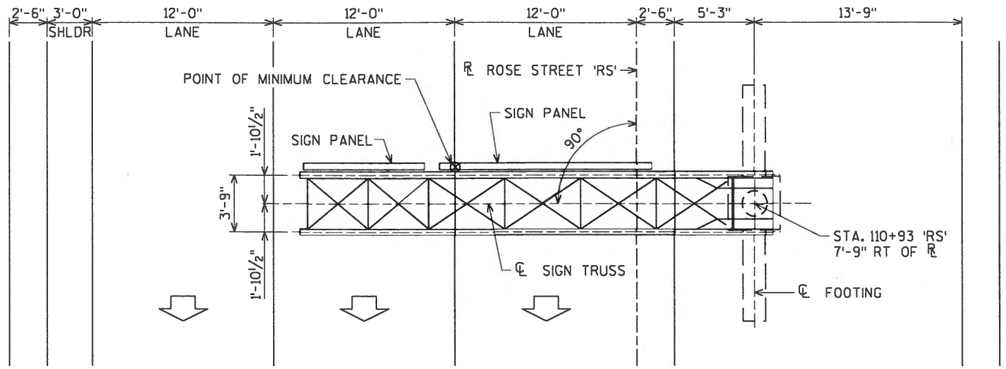
SUBSURFACE EXPLORATION

SHEET 6 OF 6

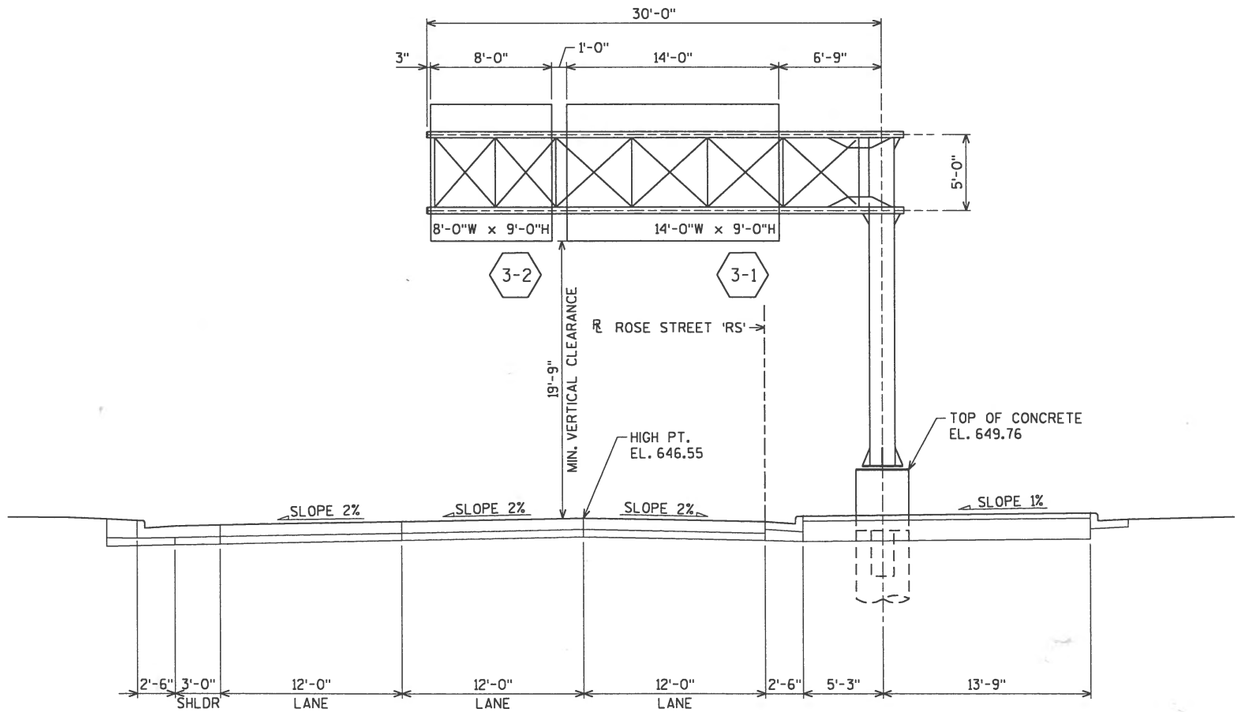
8

8

STATE PROJECT NUMBER
1071-06-83



PLAN
SIGN STRUCTURE S-32-54



ELEVATION
(LOOKING NORTH)

DESIGN DATA

SIGN STRUCTURE DESIGN IS BASED ON THE FOLLOWING:

SIGN AREA = 264 SQ. FEET
MAX. SIGN DEPTH = 12 FEET

THE WEIGHT OF ADDITIONAL SIGN PANEL AND BRACKETS IS EQUIVALENT TO 3.0 PSF ASSUMED EVENLY DISTRIBUTED TO SIGN AREA.

DESIGNED ACCORDING TO THE 4th EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

DEAD LOAD = 3 PSF OF SIGN, WT. OF SUPPORTING STRUCTURE
LIVE LOAD = N/A
ICE LOAD = 3 PSF TO ONE FACE OF SIGN AND AROUND SURFACE OF MEMBERS.
WIND PRESSURE = 90 MPH (3-SECOND GUST) TO SIGN AREA AND EXPOSED MEMBERS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD + WIND	133
3. DEAD + ICE + ½(WIND)•	133

•MIN. VALUE OF 25 PSF FOR GROUP 3.

FATIGUE CATEGORY I WITHOUT GALLOPING WIND EFFECTS

LIST OF DRAWINGS

1. GENERAL PLAN
2. SIGN STRUCTURE NOTES
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS
4. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
5. CANTILEVER TRUSS FOOTING
6. SUBSURFACE EXPLORATION

FOR NOTES PERTAINING TO THIS STRUCTURE SEE SHEET 2



BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
DAN SYDOW
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/02/16
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE S-32-54

STH 35 (ROSE STREET) STA. 110+93 'RS'

COUNTY	~~TOWN~~/CITY ~~/VILLAGE~~
LA CROSSE	LA CROSSE

DESIGN SPEC.
STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CJM	JWZ	JWZ/CLS	DWS

GENERAL PLAN

SHEET 1 OF 6
905

8

8

DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-54\STRUCTURE\S-32-0054 sign.dgn

7/27/2016
PENTABLE:BReau_shd_util.tbl
LD
DATE:

STATE PROJECT NUMBER

1071-06-83

MATERIAL PROPERTIES

CONCRETE MASONRY	f'c = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	fy = 60,000 p.s.i.
CHORD PIPE & COLUMN (API 5L, GRADE X42)	fy = 42,000 p.s.i.
STRUCTURAL ANGLES, PLATES, & BARS (ASTM A709, GRADE 36)	fy = 36,000 p.s.i.
ANCHOR RODS (ASTM F1554, GRADE 55)	
HEAVY HEX NUTS (ASTM A563A), WASHERS (ASTM F436)	fy = 55,000 p.s.i.
HIGH STRENGTH BOLTS (ASTM A325)	fy = 92,000 p.s.i.

STRUCTURAL MEMBERS GALVANIZED (ASTM A123)
HARDWARE GALVANIZED (ASTM A153, CLASS C)

FOUNDATION DATA

ALLOWABLE END BEARING PRESSURE = 23 TONS/SQ. FT.

TEMPORARY CASING SHOULD BE PLANNED DURING THE EXCAVATION OF THE DRILLED SHAFT FOUNDATION. CONTRACTOR SHOULD BE PREPARED TO UTILIZE DRILLING MUD OR OTHER TECHNIQUES DURING CONSTRUCTION IF A CLEAN, STABLE EXCAVATION BASE IS NOT MAINTAINED.

LIST OF BID ITEMS

⚠ 636.0100	SIGN SUPPORTS CONCRETE MASONRY	10	CY
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	1,110	LB
641.1200	SIGN BRIDGE CANTILEVERED S-32-54	1	LS
SPV.0105	PAINT STRUCTURE S-32-54	1	LS

⚠ PAYMENT FOR EXCAVATION AND TEMPORARY CASING IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".

TRAFFIC DATA

A.D.T. = 22,500 (2016)
A.D.T. = 27,600 (2036)
R.D.S. = 45 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

SIGN BRIDGE IDENTIFICATION PLAQUE SHALL BE INCIDENTAL TO "SIGN BRIDGE CANTILEVERED S-32-54".

ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS.

FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

ALL STRUCTURAL STEEL MEMBERS, PLATES, ANCHOR RODS, HS. BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WisDOT STANDARD SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN IN "CAMBER DIAGRAM". DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

SEE SIGN PLATE NO. A4-6 OF THE SIGN PLATE MANUAL FOR INSTRUCTION ON CENTERING SIGN VERTICALLY ON TRUSS.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641.33 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTINGS.

LOCATE SIGN PANELS OVER THE APPROPRIATE LANE BASED ON SIGN PANEL ARROWS AND LANE CONFIGURATION.

•• ALTERNATE MATERIAL FOR CHORD LESS THAN 10" DIAMETER MAY BE API SPEC. 5L GRADE X46 Fy = 46,000 PSI AND GRADE X52 Fy = 52,000 PSI, ASTM A500 GRADE B Fy = 42,000 PSI, GRADE C Fy = 46,000 PSI, OR ASTM A53 GRADE B Fy = 35,000 PSI. (ASTM A53 GRADE B REQUIRES FULL ANALYSIS OF THE STRUCTURES).

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-54\STRUCTURE\S-32-0054 sign.dgn

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-54

DRAWN BY CLS | PLANS CK'D.

SIGN STRUCTURE NOTES

SHEET 2 OF 6
906

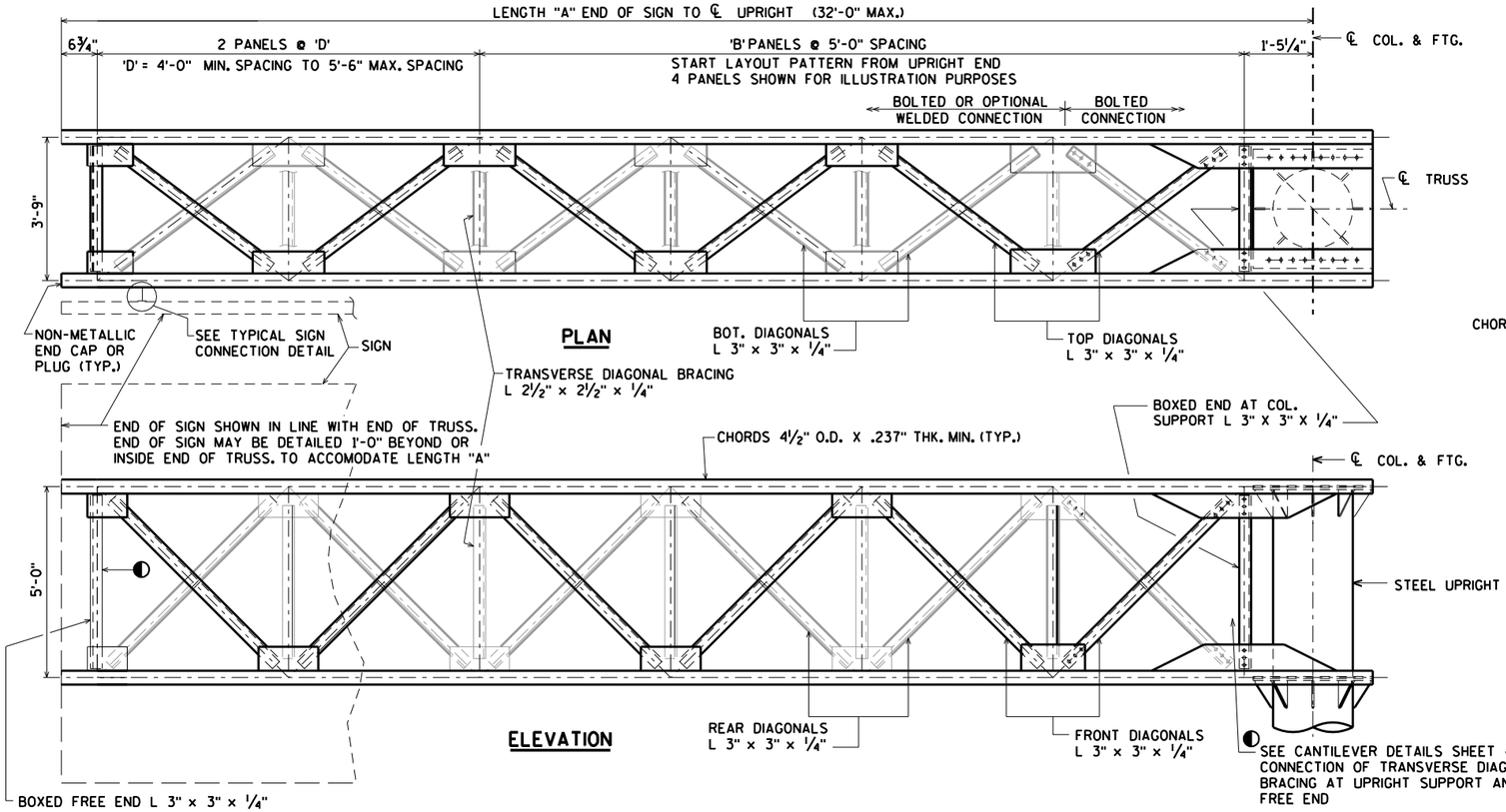
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

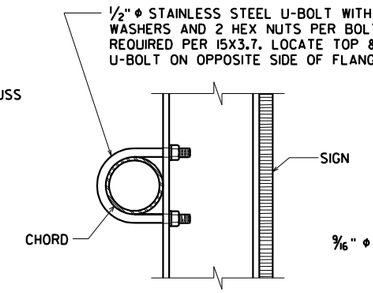
7/27/2016

PENTABLE:BReau_shd_util.tbl

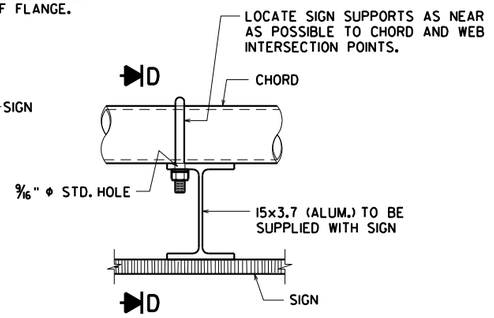
STATE PROJECT NUMBER

1071-06-83



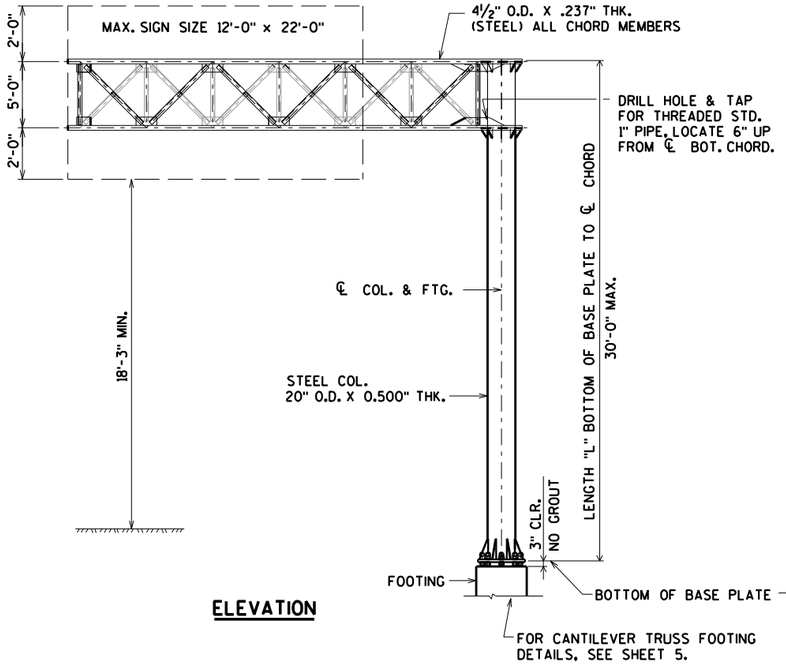


SECTION D-D

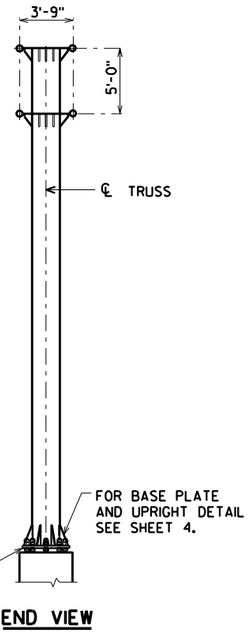


TYPICAL SIGN CONNECTION

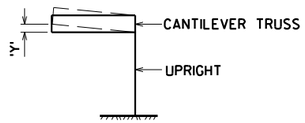
FOR TYPE I AND II SIGNS ONLY



ELEVATION



END VIEW

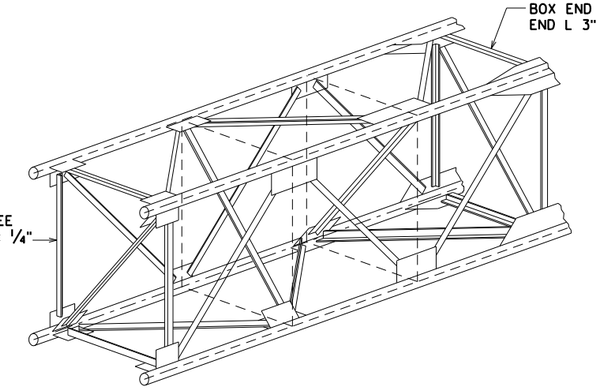


CAMBER DIAGRAM

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN. DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

DIMENSIONS & CAMBER VALUES

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-32-54	30'-0"	23'-3"	4	4'-0"	2⅛"



TYPICAL TRUSS SECTION

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-54

DRAWN BY CLS | PLANS CK'D. CJM

GALVANIZED STEEL CANTILEVER SIGN TRUSS

SHEET 3 OF 6

907

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

ecpdf.plt
S-32-0054 sign dtls.dgn

8

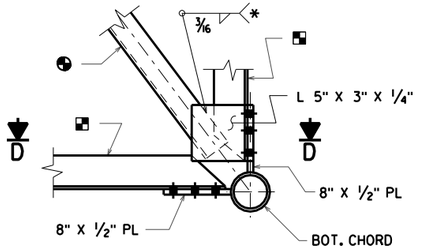
8

5/31/2016

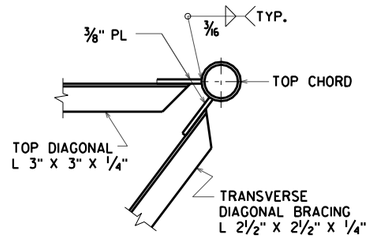
black.tbl

STATE PROJECT NUMBER

1071-06-83

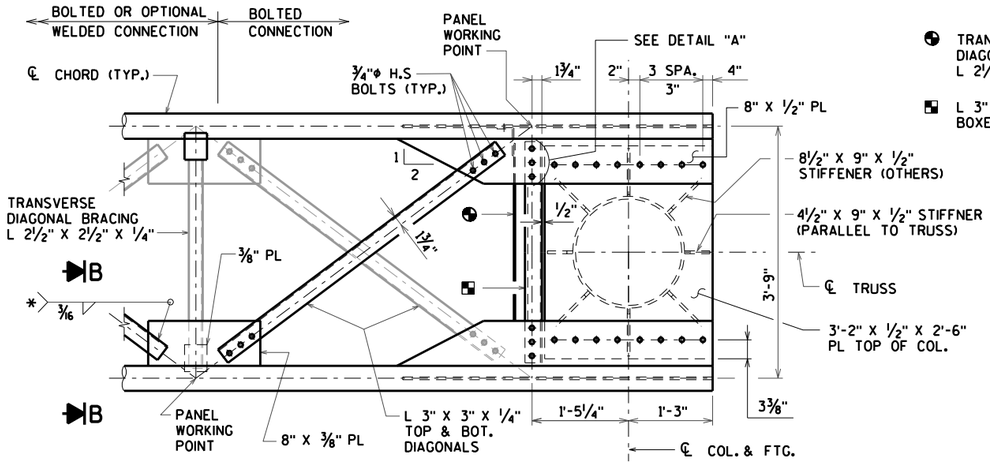


SECTION C-C



SECTION B-B

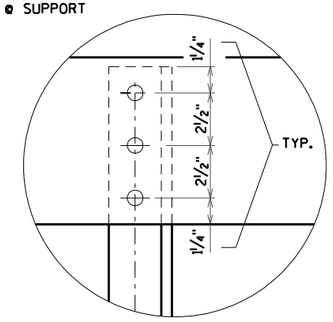
* ANGLE	MIN. WELD LENGTH
L 2 1/2" X 2 1/2" X 1/4"	7"
L 3" X 3" X 1/4"	8"



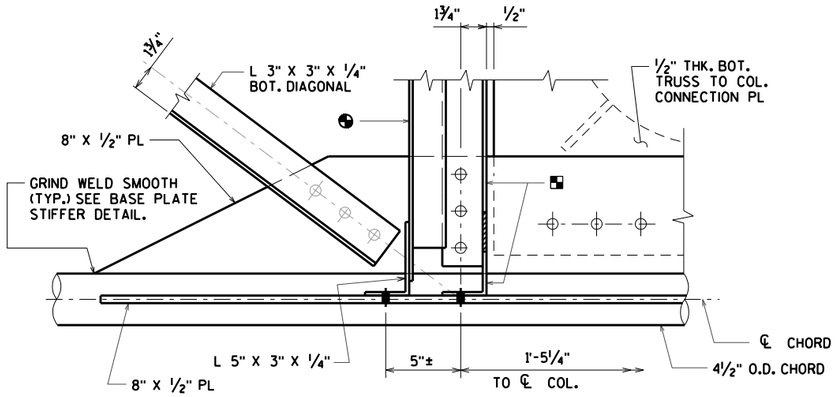
PLAN TRUSS TO UPRIGHT

TRANSVERSE DIAGONAL BRACING L 2 1/2" X 2 1/2" X 1/4"

L 3" X 3" X 1/4" BOXED END @ SUPPORT

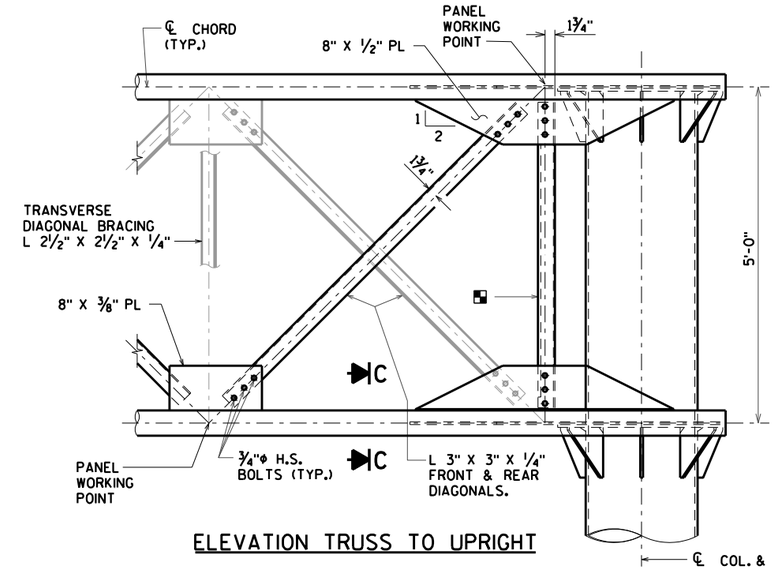


DETAIL "A"

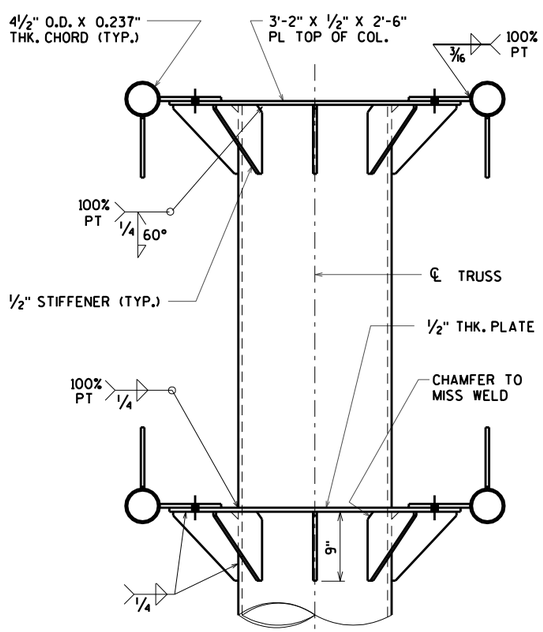


SECTION D-D

(LOOKING DOWN @ BOT. HORIZ. PLANE @ FRONT CHORD)

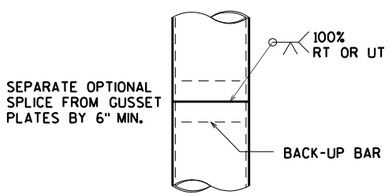


ELEVATION TRUSS TO UPRIGHT

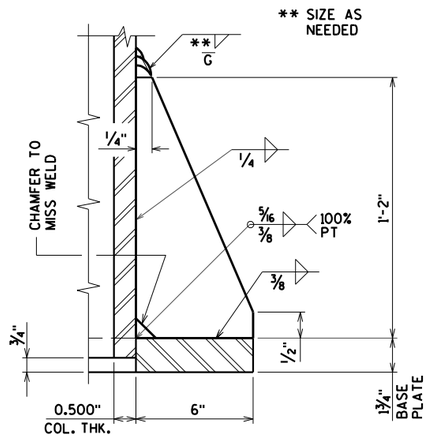


END VIEW TRUSS TO UPRIGHT

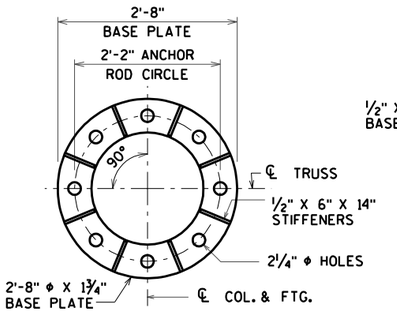
(WEB MEMBERS NOT SHOWN)

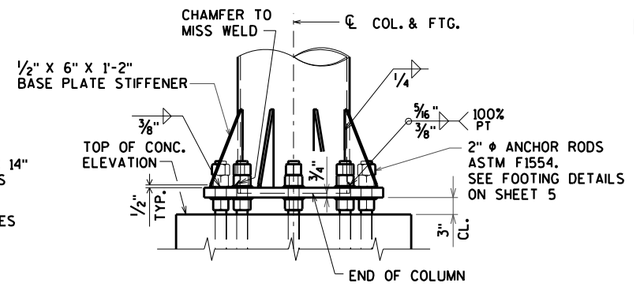


OPTIONAL COLUMN OR CHORD SPLICE DETAIL



BASE PLATE STIFFENER DETAIL





BASE PLATE DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-54

DRAWN BY CLS | PLANS CK'D. CJM

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

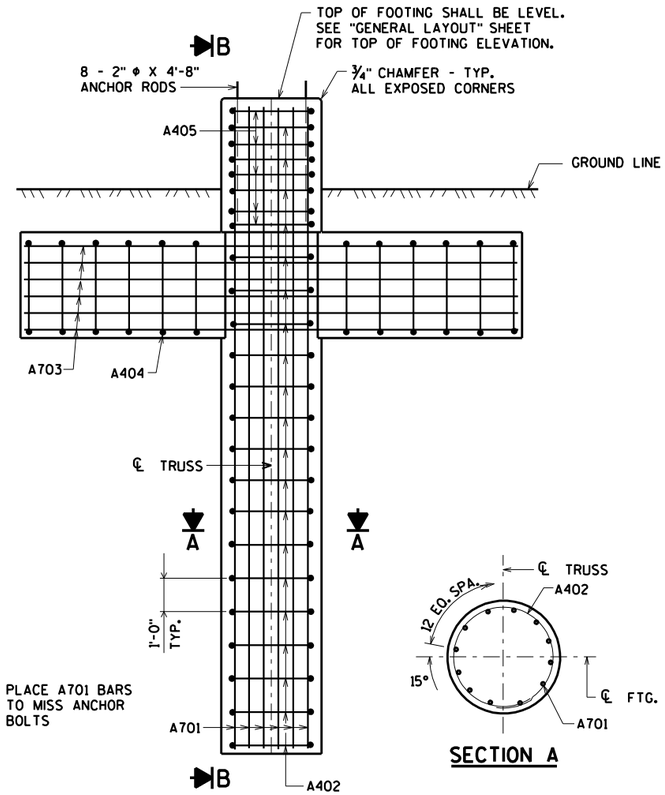
SHEET 4 OF 6
908

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

ecpdf.plt
S-32-0054 sign dtls.dgn
5/31/2016
black.tbl

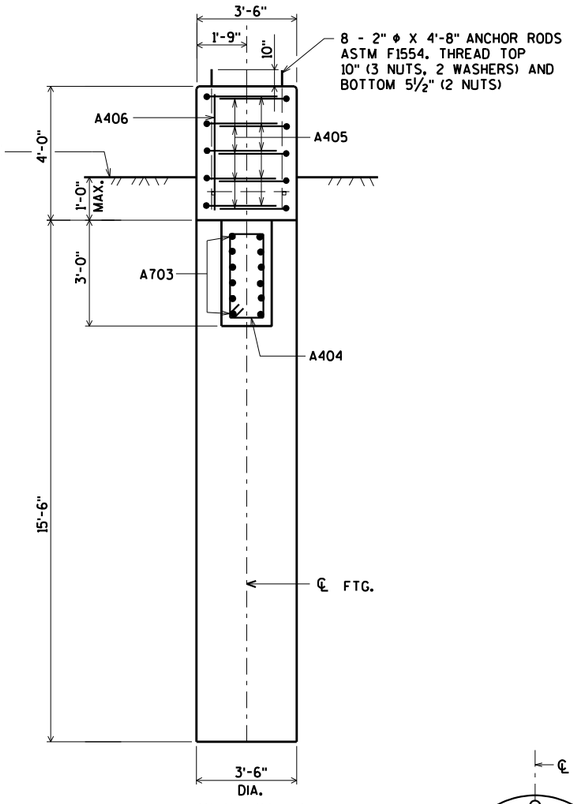
STATE PROJECT NUMBER
1071-06-83

$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-54\STRUCTURE\S-32-0054 sign dtls.dgn



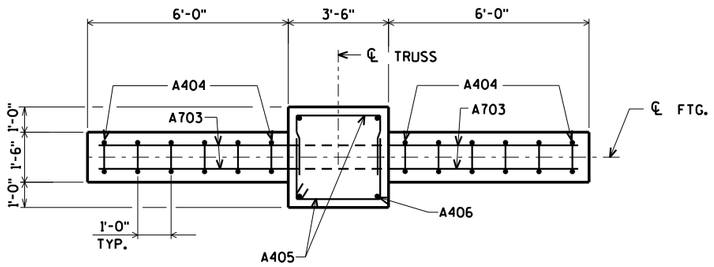
ELEVATION

SECTION A

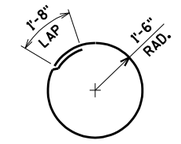


SECTION B

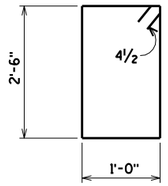
SHOWING WING AND CAP STEEL ONLY



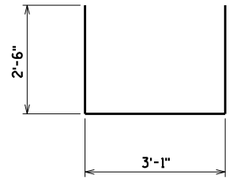
PLAN



A402



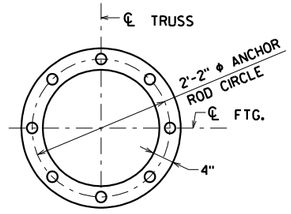
A404



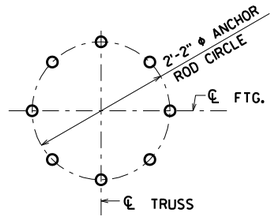
A405

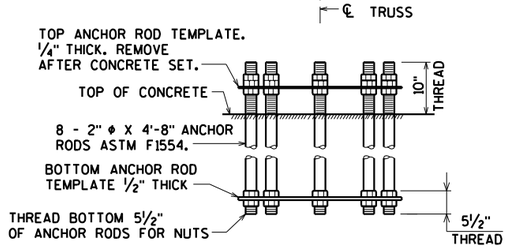
BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR	SERIES	1.110" COATED LOCATION
A701	X	12	19-0				FOOTING - COLUMN VERT.
A402	X	20	11-2	X			FOOTING - HOOPS
A703	X	12	15-0				FOOTING - WINGS HORIZ.
A404	X	12	7-6	X			FOOTING - WINGS STIRRUPS
A405	X	10	7-11	X			FOOTING - TOP STIRRUPS
A406	X	4	3-6				FOOTING - COLUMN VERT. TOP



TOP VIEW OF TOP & BOTTOM TEMPLATES





ANCHOR ROD ASSEMBLY DETAILS

GENERAL NOTES

FOOTINGS BELOW THE WINGS SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

BAR STEEL REINF. SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

BENDING DIMENSIONS ARE OUT TO OUT OF BAR.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

PROVIDE ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT FOOTING PRIOR TO BACK FILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-54

DRAWN BY CLS | PLANS CK'D. CJM

CANTILEVER TRUSS FOOTING

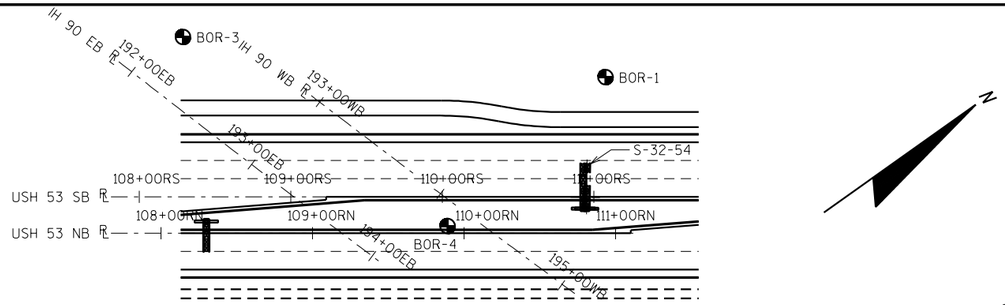
SHEET 5 OF 6
909

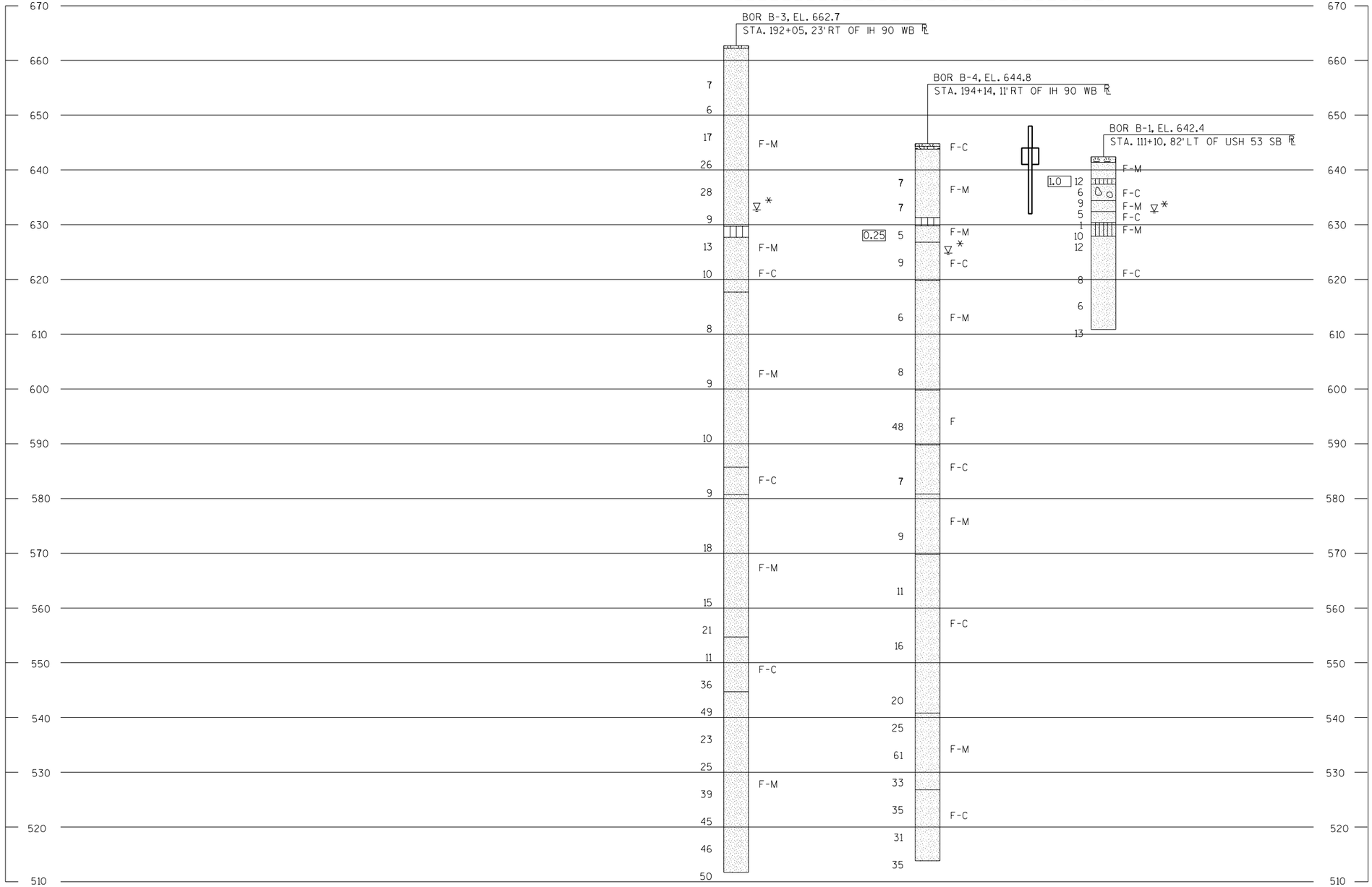
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

PENTABLE:BReau_shd_util.tbl

USH 53/STH 35 - THEATER ROAD

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	3/25/2014	150838	449027
3	7/24/2013	150626.68	448843.567
4	7/25/2013	150696.337	449046.614
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) LACROSSE COUNTY			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

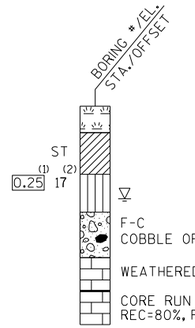
STATE PROJECT NUMBER

1071-06-83

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▼ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-54

DRAWN BY PR | PLANS CK'D. CJM

SUBSURFACE EXPLORATION

SHEET 6 OF 6

910

8

8

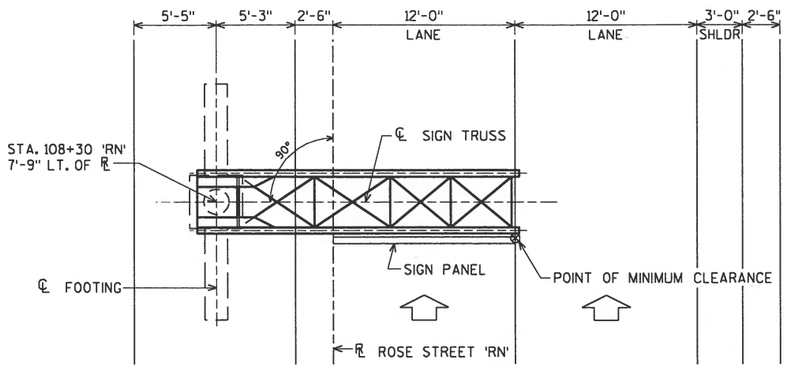
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-65\STRUCTURE\S-32-0065 sign.dgn

DATE:
DATE:
DATE:

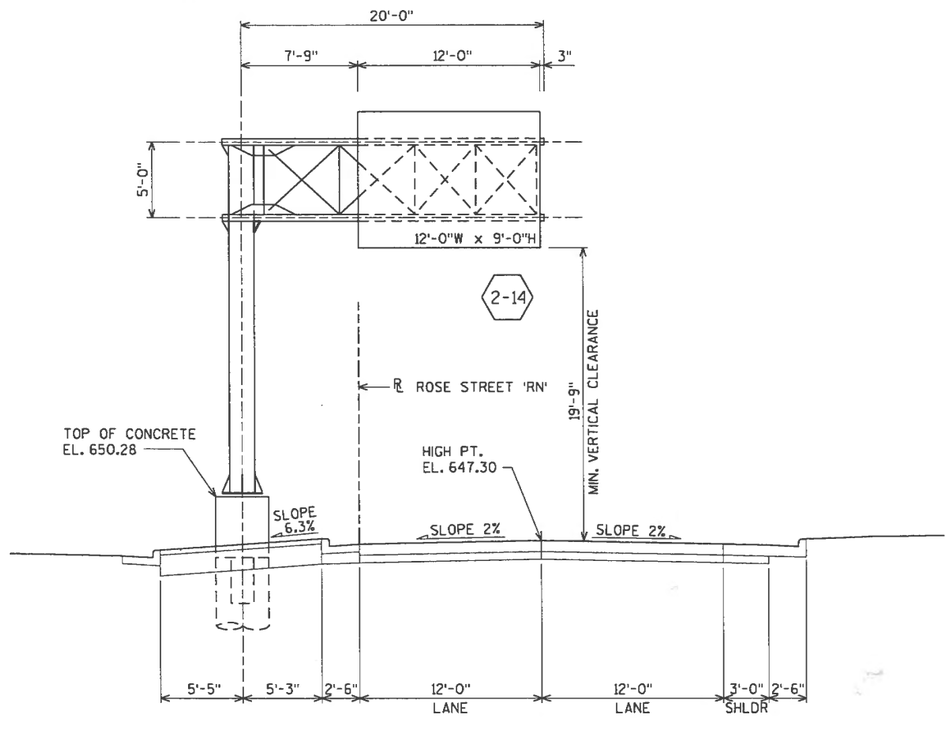
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

8

STATE PROJECT NUMBER
1071-06-83



PLAN
SIGN STRUCTURE S-32-65



ELEVATION
(LOOKING NORTH)

DESIGN DATA

SIGN STRUCTURE DESIGN IS BASED ON THE FOLLOWING:

SIGN AREA = 264 SQ. FEET
MAX. SIGN DEPTH = 12 FEET

THE WEIGHT OF ADDITIONAL SIGN PANEL AND BRACKETS IS EQUIVALENT TO 3.0 PSF ASSUMED EVENLY DISTRIBUTED TO SIGN AREA.

DESIGNED ACCORDING TO THE 4th EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

DEAD LOAD = 3 PSF OF SIGN, WT. OF SUPPORTING STRUCTURE
LIVE LOAD = N/A
ICE LOAD = 3 PSF TO ONE FACE OF SIGN AND AROUND SURFACE OF MEMBERS.
WIND PRESSURE = 90 MPH (3-SECOND GUST) TO SIGN AREA AND EXPOSED MEMBERS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD + WIND	133
3. DEAD + ICE + ½(WIND)*	133

*MIN. VALUE OF 25 PSF FOR GROUP 3.

FATIGUE CATEGORY I WITHOUT GALLOPING WIND EFFECTS

LIST OF DRAWINGS

1. GENERAL PLAN
2. SIGN STRUCTURE NOTES
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS
4. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
5. CANTILEVER TRUSS FOOTING
6. SUBSURFACE EXPLORATION

FOR NOTES PERTAINING TO THIS STRUCTURE SEE SHEET 2



BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
DAN SYDOW
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/02/16
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE S-32-65

USH 53/STH 35 (ROSE STREET) STA. 108+30 'RN'

COUNTY: LA CROSSE
~~TOWN~~/CITY/~~VILLAGE~~: LA CROSSE

DESIGN SPEC.
STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CJM	JWZ	JWZ/CLS	DWB

GENERAL PLAN

SHEET 1 OF 6
911

8

STATE PROJECT NUMBER

1071-06-83

MATERIAL PROPERTIES

CONCRETE MASONRY	f'c = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)	fy = 60,000 p.s.i.
CHORD PIPE & COLUMN (API 5L, GRADE X42)	fy = 42,000 p.s.i.
STRUCTURAL ANGLES, PLATES, & BARS (ASTM A709, GRADE 36)	fy = 36,000 p.s.i.
ANCHOR RODS (ASTM F1554, GRADE 55)	
HEAVY HEX NUTS (ASTM A563A), WASHERS (ASTM F436)	fy = 55,000 p.s.i.
HIGH STRENGTH BOLTS (ASTM A325)	fy = 92,000 p.s.i.

STRUCTURAL MEMBERS GALVANIZED (ASTM A123)
HARDWARE GALVANIZED (ASTM A153, CLASS C)

FOUNDATION DATA

ALLOWABLE END BEARING PRESSURE = 9 TONS/SQ. FT.

TEMPORARY CASING SHOULD BE PLANNED DURING THE EXCAVATION OF THE DRILLED SHAFT FOUNDATION. CONTRACTOR SHOULD BE PREPARED TO UTILIZE DRILLING MUD OR OTHER TECHNIQUES DURING CONSTRUCTION IF A CLEAN, STABLE EXCAVATION BASE IS NOT MAINTAINED.

LIST OF BID ITEMS

⚠ 636.0100	SIGN SUPPORTS CONCRETE MASONRY	8	CY
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	990	LB
641.1200	SIGN BRIDGE CANTILEVERED S-32-65	1	LS
SPV.0105	PAINT STRUCTURE S-32-65	1	LS

⚠ PAYMENT FOR EXCAVATION AND TEMPORARY CASING IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".

TRAFFIC DATA

A.D.T. = 22,500 (2016)
A.D.T. = 27,600 (2036)
R.D.S. = 45 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

SIGN BRIDGE IDENTIFICATION PLAQUE SHALL BE INCIDENTAL TO "SIGN BRIDGE CANTILEVERED S-32-65".

ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS.

FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

ALL STRUCTURAL STEEL MEMBERS, PLATES, ANCHOR RODS, HS. BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WisDOT STANDARD SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE STRUCTURE SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN IN "CAMBER DIAGRAM". DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

SEE SIGN PLATE NO. A4-6 OF THE SIGN PLATE MANUAL FOR INSTRUCTION ON CENTERING SIGN VERTICALLY ON TRUSS.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641.33 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTINGS.

LOCATE SIGN PANELS UNDER THE APPROPRIATE LANE BASED ON SIGN PANEL ARROWS AND LANE CONFIGURATION.

•• ALTERNATE MATERIAL FOR CHORD LESS THAN 10" DIAMETER MAY BE API SPEC. 5L GRADE X46 Fy = 46,000 PSI AND GRADE X52 Fy = 52,000 PSI, ASTM A500 GRADE B Fy = 42,000 PSI, GRADE C Fy = 46,000 PSI, OR ASTM A53 GRADE B Fy = 35,000 PSI. (ASTM A53 GRADE B REQUIRES FULL ANALYSIS OF THE STRUCTURES).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-65

DRAWN BY CLS | PLANS CK'D.

SIGN STRUCTURE NOTES

SHEET 2 OF 6
912

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

8

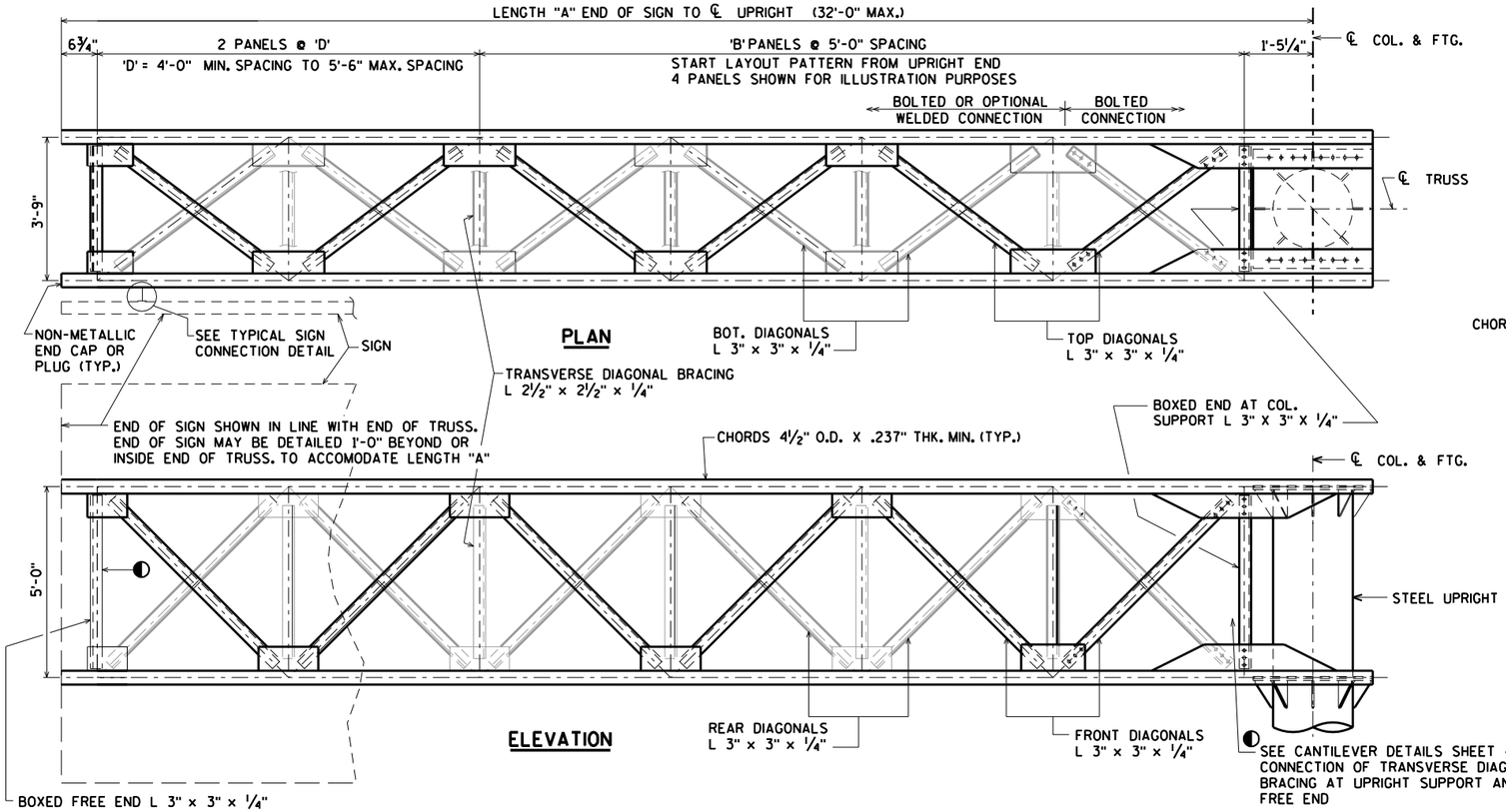
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-65\STRUCTURE#S-32-0065 sign.dgn

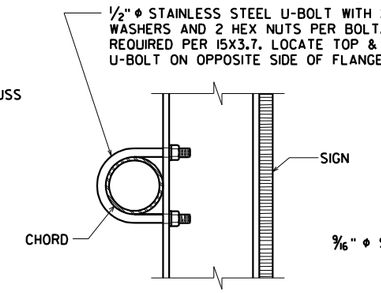
7/27/2016

PENTABLE:BReau_shd_util.tbl

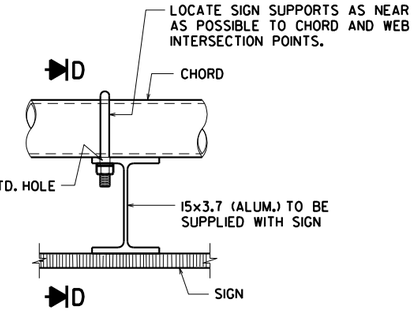
STATE PROJECT NUMBER

1071-06-83



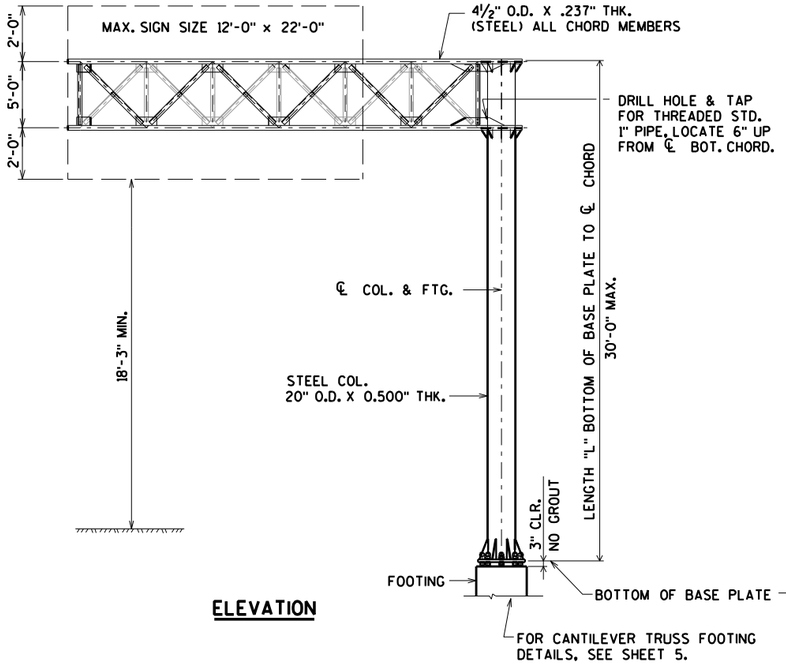


SECTION D-D

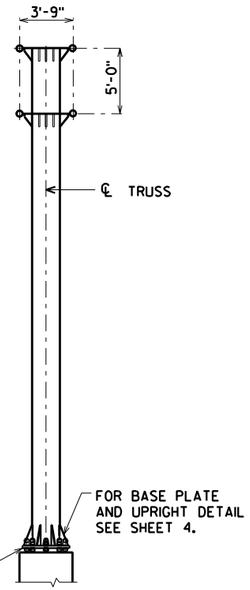


TYPICAL SIGN CONNECTION

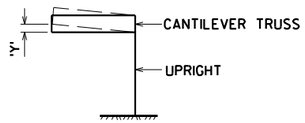
FOR TYPE I AND II SIGNS ONLY



ELEVATION



END VIEW

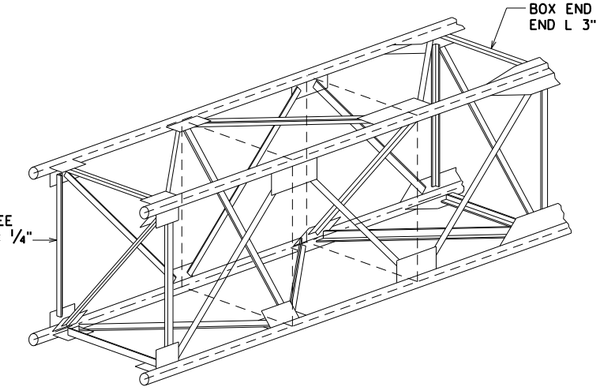


CAMBER DIAGRAM

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN. DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

DIMENSIONS & CAMBER VALUES

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-32-65	20'-0"	23'-6"	2	4'-0"	⅝"



TYPICAL TRUSS SECTION

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-65

DRAWN BY CLS | PLANS CK'D. CJM

GALVANIZED STEEL CANTILEVER SIGN TRUSS

SHEET 3 OF 6
913

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

ecpdf.plt
S-32-0065 sign dtls.dgn

8

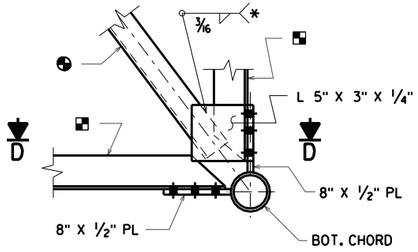
8

5/31/2016

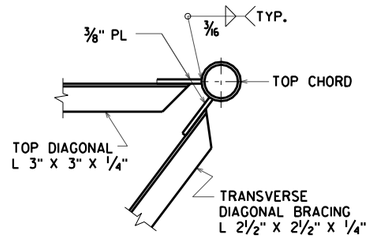
black.tbl

STATE PROJECT NUMBER

8310-06-83

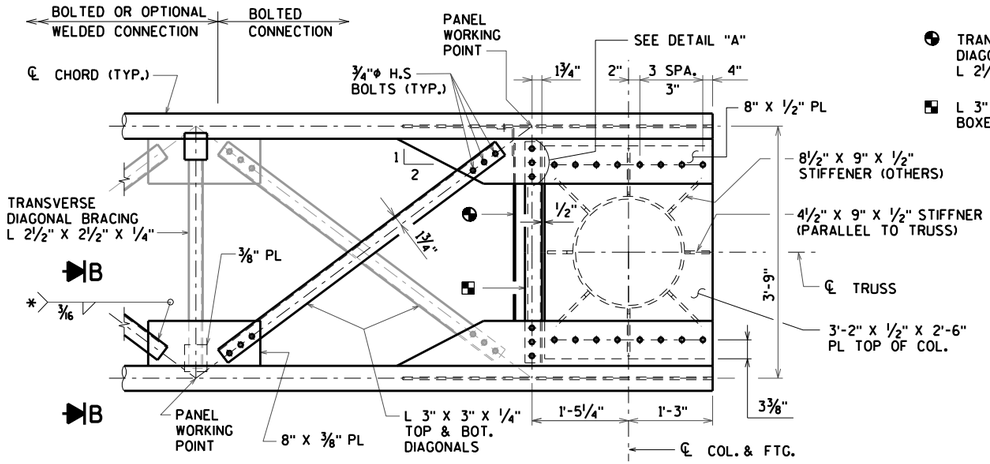


SECTION C-C



SECTION B-B

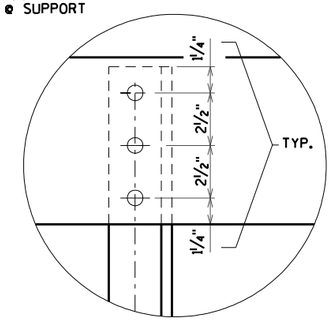
* ANGLE	MIN. WELD LENGTH
L 2 1/2" X 2 1/2" X 1/4"	7"
L 3" X 3" X 1/4"	8"



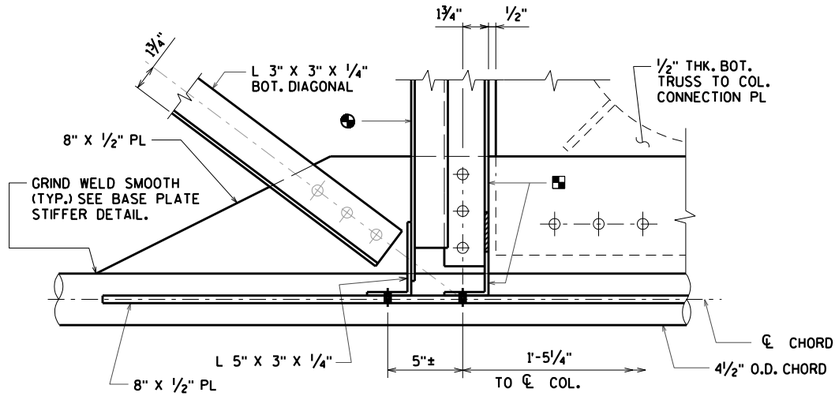
PLAN TRUSS TO UPRIGHT

TRANSVERSE DIAGONAL BRACING L 2 1/2" X 2 1/2" X 1/4"

L 3" X 3" X 1/4" BOXED END @ SUPPORT

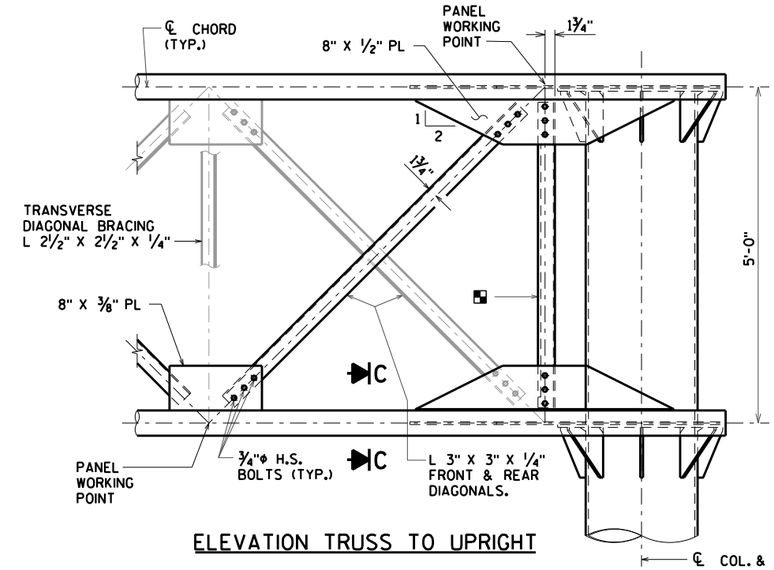


DETAIL "A"

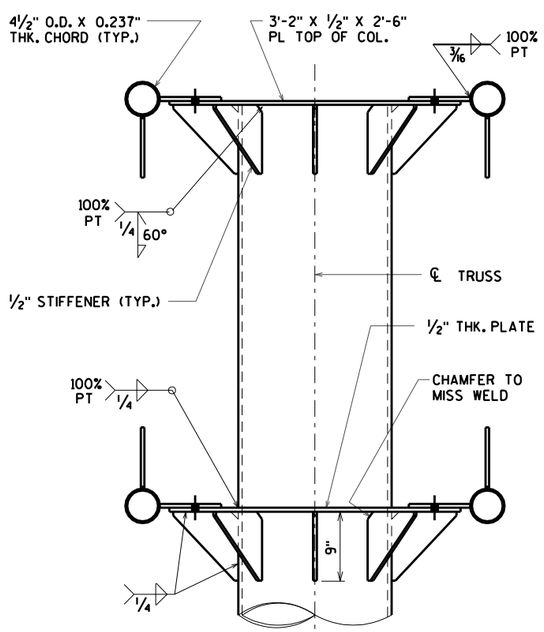


SECTION D-D

(LOOKING DOWN @ BOT. HORIZ. PLANE @ FRONT CHORD)

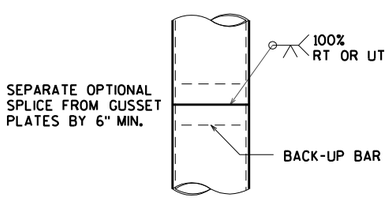


ELEVATION TRUSS TO UPRIGHT

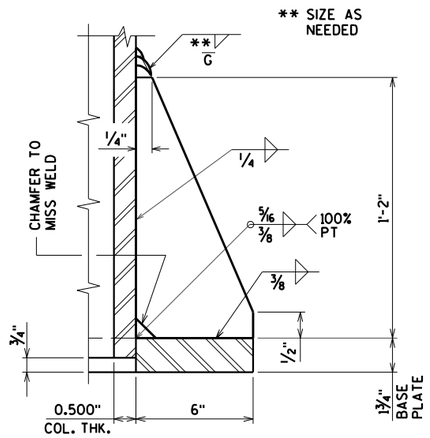


END VIEW TRUSS TO UPRIGHT

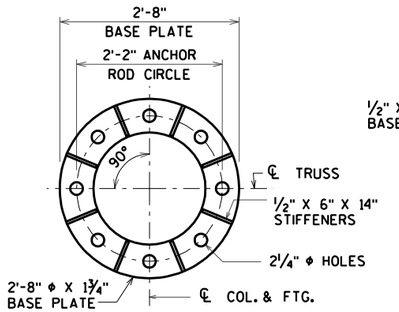
(WEB MEMBERS NOT SHOWN)

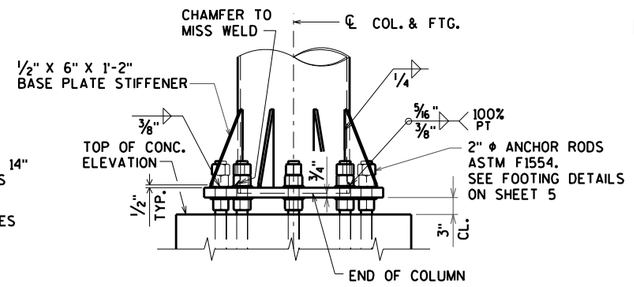


OPTIONAL COLUMN OR CHORD SPLICE DETAIL



BASE PLATE STIFFENER DETAIL





BASE PLATE DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-65

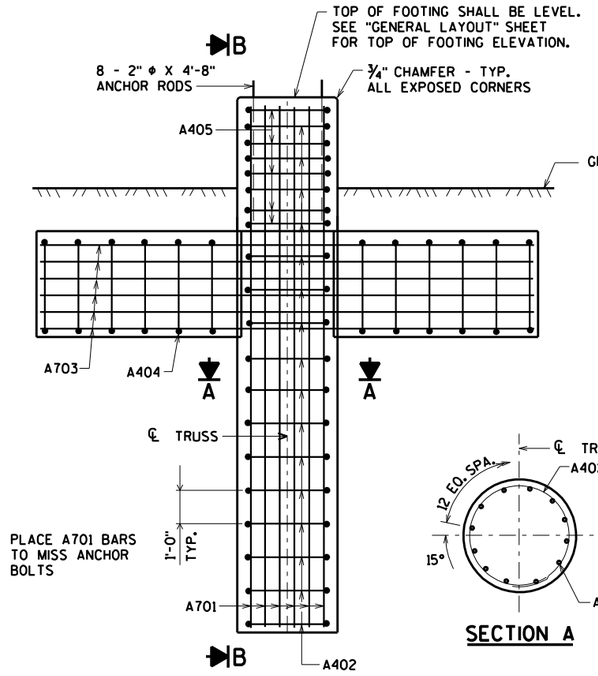
DRAWN BY CLS | PLANS CK'D. CJM

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

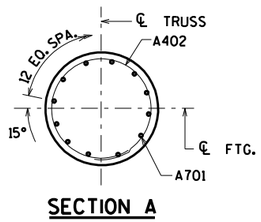
SHEET 4 OF 6
914

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

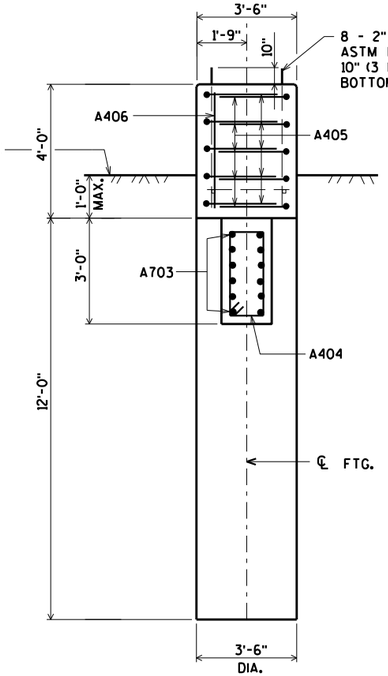
ecpdf.plt
S-32-0065 sign dtls.dgn
5/31/2016
black.tbl



ELEVATION

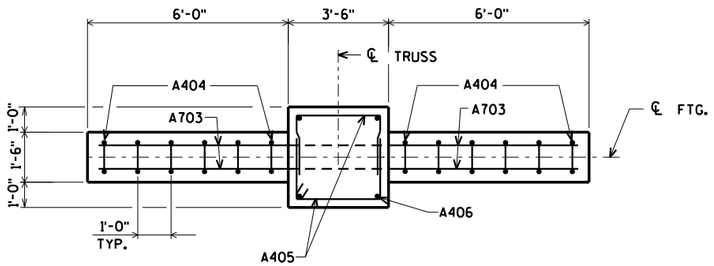


SECTION A

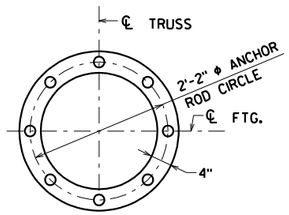


SECTION B

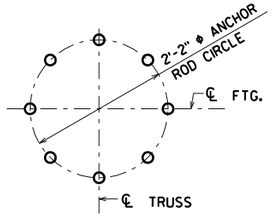
SHOWING WING AND CAP STEEL ONLY

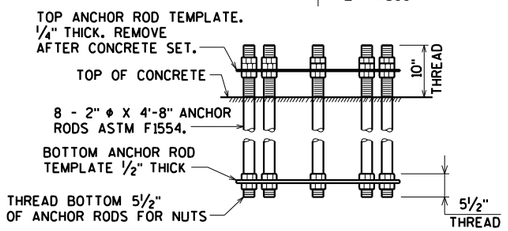


PLAN

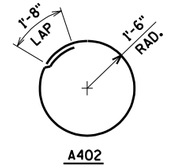


TOP VIEW OF
TOP & BOTTOM TEMPLATES

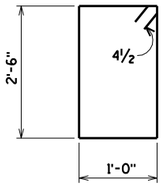




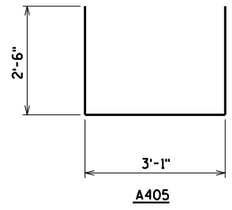
ANCHOR ROD ASSEMBLY DETAILS



A402



A404



A405

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR	SERIES	990ª COATED LOCATION
A701	X	12	15-6				FOOTING - COLUMN VERT.
A402	X	16	11-2	X			FOOTING - HOOPS
A703	X	12	15-0				FOOTING - WINGS HORIZ.
A404	X	12	7-6	X			FOOTING - WINGS STIRRUPS
A405	X	10	7-11	X			FOOTING - TOP STIRRUPS
A406	X	4	3-6				FOOTING - COLUMN VERT. TOP

GENERAL NOTES

FOOTINGS BELOW THE WINGS SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

BAR STEEL REINF. SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

BENDING DIMENSIONS ARE OUT TO OUT OF BAR.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

PROVIDE ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT FOOTING PRIOR TO BACK FILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-65

DRAWN BY CLS | PLANS CK'D. CJM

CANTILEVER TRUSS FOOTING

SHEET 5 OF 6
915

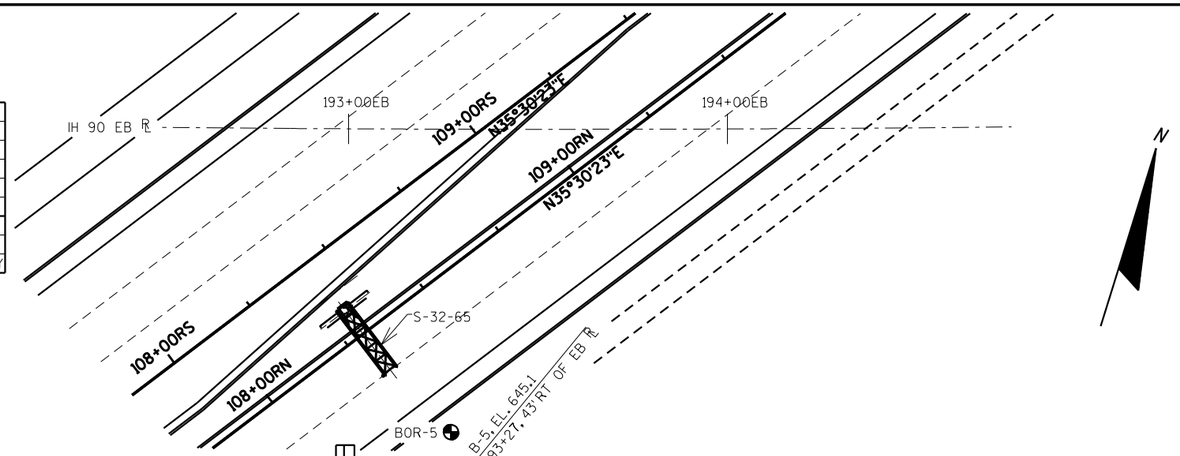
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

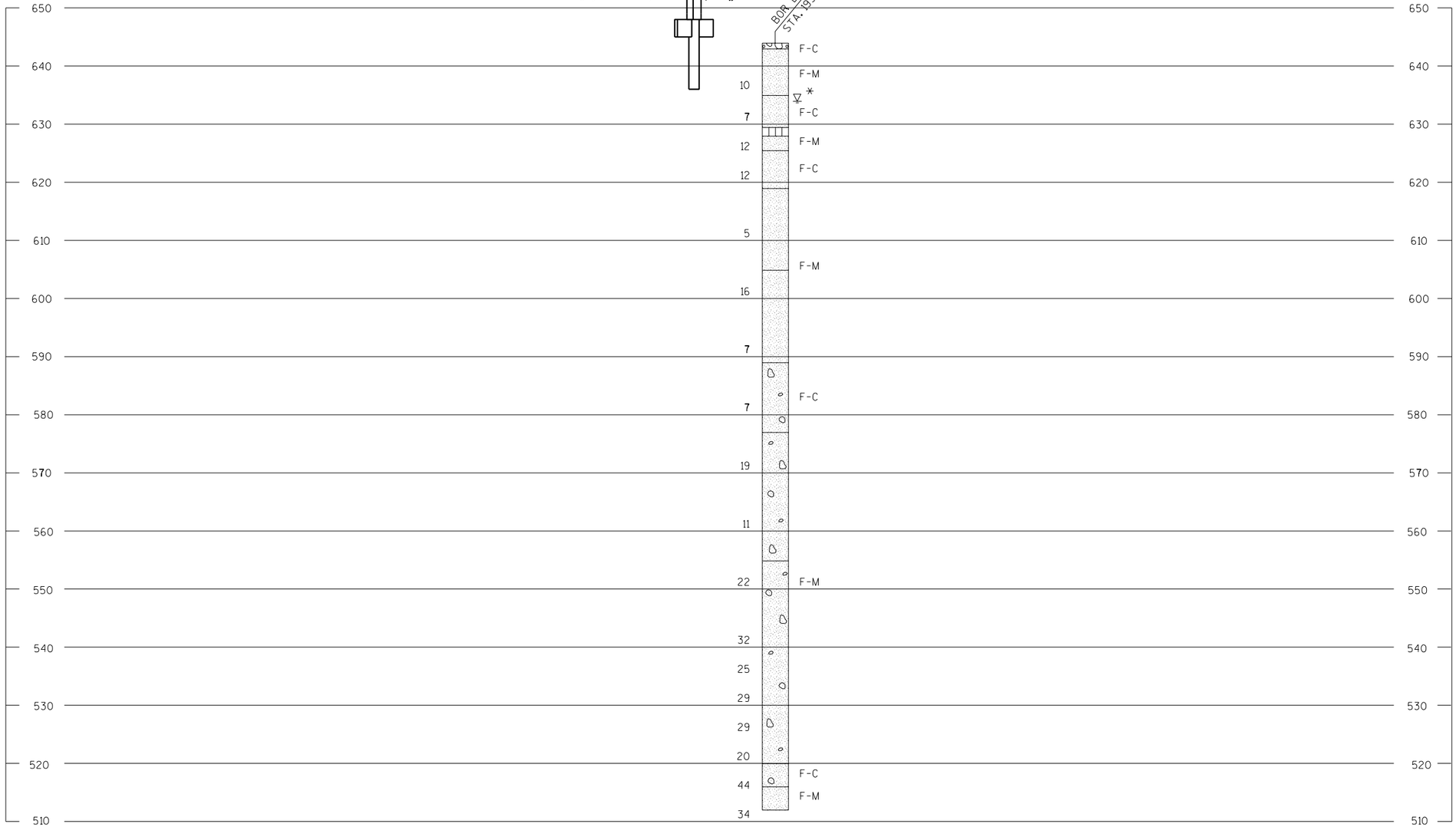
$PRFNAME$
U:\41-0627.00 - LaCrosse County, IH90\S-32-65\STRUCTURE\S-32-0065 sign dtls.dgn

USH 53/STH 35 - THEATER ROAD

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	7/31/2013	150577.009	448965.231

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) LACROSSE COUNTY





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

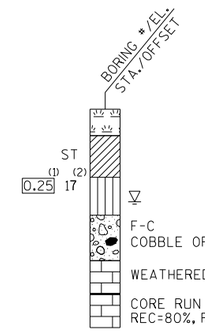
STATE PROJECT NUMBER

1071-06-83

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▼ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-65

DRAWN BY PR | PLANS CK'D. CJM

SUBSURFACE EXPLORATION

SHEET 6 OF 6
916

8

8

EARTHWORK DATA - ROSE STREET

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
98+00	0.00	591.53	0.00	0.00	0.00	0.00	0.00
98+37	0.00	639.19	0.00	843.27	0.00	969.76	-969.76
99+00	0.00	773.70	0.00	1,648.37	0.00	2,865.39	-2,865.39
99+50	0.00	984.69	0.00	1,628.14	0.00	4,737.75	-4,737.75
100+00	0.00	1,020.22	0.00	1,856.40	0.00	6,872.61	-6,872.61
100+50	0.00	1,044.21	0.00	1,911.51	0.00	9,070.84	-9,070.84
101+00	0.00	1,058.70	0.00	1,947.14	0.00	11,310.05	-11,310.05
101+50	0.00	702.37	0.00	1,630.62	0.00	13,185.27	-13,185.27
102+00	0.00	709.99	0.00	1,307.74	0.00	14,689.17	-14,689.17
102+50	0.00	747.87	0.00	1,349.87	0.00	16,241.52	-16,241.52
103+00	0.00	814.23	0.00	1,446.39	0.00	17,904.87	-17,904.87
103+50	0.00	657.77	0.00	1,362.96	0.00	19,472.27	-19,472.27
104+00	0.00	760.57	0.00	1,313.28	0.00	20,982.54	-20,982.54
104+50	0.00	855.16	0.00	1,496.05	0.00	22,703.00	-22,703.00
105+00	0.00	639.87	0.00	1,384.29	0.00	24,294.93	-24,294.93
105+50	0.00	582.92	0.00	1,132.21	0.00	25,596.97	-25,596.97
106+00	0.00	441.98	0.00	948.98	0.00	26,688.30	-26,688.30
106+50	0.00	377.17	0.00	758.47	0.00	27,560.54	-27,560.54
107+00	0.00	280.55	0.00	609.00	0.00	28,260.89	-28,260.89
107+50	161.71	220.34	149.73	463.79	149.73	28,794.25	-28,644.52
108+00	166.95	185.62	304.31	375.89	454.05	29,226.52	-28,772.47
108+30	160.75	128.47	182.06	174.49	636.10	29,427.19	-28,791.09
108+50	165.86	92.44	120.97	81.82	757.07	29,521.28	-28,764.21
109+00	193.66	67.69	332.89	148.27	1,089.96	29,691.79	-28,601.83
109+50	232.84	38.85	394.91	98.65	1,484.86	29,805.23	-28,320.37
110+00	224.97	66.08	423.90	97.16	1,908.76	29,916.96	-28,008.20
110+50	37.87	64.93	243.37	121.31	2,152.13	30,056.47	-27,904.33
110+81	24.61	67.01	35.56	75.08	2,187.69	30,142.81	-27,955.12
111+00	40.29	91.15	23.16	56.44	2,210.85	30,207.72	-27,996.87
111+50	179.43	164.83	203.44	237.02	2,414.29	30,480.29	-28,066.00
112+00	0.00	291.08	166.14	422.14	2,580.43	30,965.75	-28,385.32
112+50	0.00	393.16	0.00	633.56	2,580.43	31,694.34	-29,113.91
113+00	0.00	665.85	0.00	980.56	2,580.43	32,821.99	-30,241.56
113+50	0.00	588.11	0.00	1,161.07	2,580.43	34,157.22	-31,576.79
114+00	2.36	744.83	2.19	1,234.20	2,582.62	35,576.56	-32,993.94
114+50	38.05	853.69	37.42	1,480.11	2,620.03	37,278.68	-34,658.65
115+00	70.94	947.38	100.92	1,667.66	2,720.95	39,196.49	-36,475.54
115+50	50.62	1,098.08	112.56	1,893.94	2,833.51	41,374.53	-38,541.02
116+00	0.00	1,204.06	46.87	2,131.61	2,880.38	43,825.88	-40,945.50
116+50	0.00	1,245.17	0.00	2,267.81	2,880.38	46,433.86	-43,553.48
117+00	0.00	641.81	0.00	1,747.20	2,880.38	48,443.14	-45,562.76
117+50	0.00	761.21	0.00	1,299.09	2,880.38	49,937.10	-47,056.72
118+00	0.98	1,062.27	0.91	1,688.41	2,881.28	51,878.77	-48,997.48
118+50	6.73	1,037.88	7.14	1,944.58	2,888.42	54,115.04	-51,226.61
119+00	19.39	909.86	24.19	1,803.46	2,912.61	56,189.02	-53,276.41
119+50	42.30	779.20	57.12	1,563.94	2,969.73	57,987.55	-55,017.83
120+00	144.63	578.14	173.08	1,256.80	3,142.81	59,432.87	-56,290.06
120+50	339.94	385.44	448.68	892.20	3,591.49	60,458.90	-56,867.42

EARTHWORK DATA - ROSE STREET

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
121+00	338.54	347.05	628.22	678.23	4,219.71	61,238.87	-57,019.16
121+50	84.73	291.58	391.92	591.32	4,611.63	61,918.89	-57,307.27
122+00	244.24	209.67	304.60	464.12	4,916.23	62,452.63	-57,536.40
122+50	206.49	167.33	417.34	349.07	5,333.57	62,854.07	-57,520.50
123+00	49.18	170.55	236.73	312.85	5,570.30	63,213.85	-57,643.54
123+50	48.02	137.56	90.00	285.29	5,660.30	63,541.93	-57,881.62
124+00	56.68	119.78	96.94	238.28	5,757.25	63,815.95	-58,058.70
124+50	68.01	96.10	115.45	199.89	5,872.70	64,045.82	-58,173.12
124+86	74.65	75.11	94.04	112.86	5,966.74	64,175.61	-58,208.87
125+00	77.27	68.98	40.52	38.43	6,007.26	64,219.81	-58,212.54
125+50	98.37	48.44	162.63	108.72	6,169.89	64,344.84	-58,174.94
126+00	127.15	34.27	208.81	76.58	6,378.71	64,432.91	-58,054.20
126+50	151.36	24.79	257.88	54.69	6,636.59	64,495.80	-57,859.21
127+00	161.15	13.68	289.36	35.62	6,925.95	64,536.76	-57,610.81
127+50	170.90	17.33	307.45	28.71	7,233.40	64,569.78	-57,336.38
127+50	0.00	0.00	0.00	0.00	7,233.40	64,569.78	-57,336.38
128+00	221.46	10.23	205.06	9.47	7,438.46	64,580.67	-57,142.21
128+50	273.20	13.06	458.02	21.56	7,896.48	64,605.47	-56,709.00
129+00	152.20	22.97	393.89	33.36	8,290.37	64,643.84	-56,353.47
129+50	117.24	45.37	249.48	63.28	8,539.85	64,716.61	-56,176.76
130+00	105.70	168.34	206.43	197.88	8,746.27	64,944.17	-56,197.90
130+50	97.31	304.52	187.97	437.83	8,934.24	65,447.68	-56,513.43
131+00	97.30	337.28	180.19	594.26	9,114.44	66,131.07	-57,016.64
131+50	89.85	354.80	173.29	640.81	9,287.73	66,868.01	-57,580.29
132+00	85.47	174.68	162.33	490.26	9,450.06	67,431.81	-57,981.75
132+50	87.20	228.17	159.88	373.01	9,609.94	67,860.77	-58,250.83
133+00	86.40	314.91	160.74	502.85	9,770.68	68,439.05	-58,668.37
133+50	94.08	437.18	167.11	696.38	9,937.79	69,239.89	-59,302.10
134+00	90.46	563.50	170.87	926.56	10,108.66	70,305.43	-60,196.76
134+50	87.48	524.64	164.76	1,007.54	10,273.42	71,464.09	-61,190.67
135+00	38.51	526.13	116.66	972.94	10,390.08	72,582.97	-62,192.89
135+50	39.38	37.18	72.12	521.58	10,462.20	73,182.79	-62,720.59
139+50	9.00	243.92	358.37	2,082.22	10,820.57	75,577.34	-64,756.78
140+00	25.43	278.74	31.88	483.94	10,852.45	76,133.88	-65,281.43
140+50	35.05	211.86	56.00	454.26	10,908.45	76,656.28	-65,747.83
141+00	37.92	182.62	67.56	365.26	10,976.01	77,076.33	-66,100.31
141+50	39.35	166.35	71.55	323.12	11,047.56	77,447.92	-66,400.36
142+00	46.41	172.07	79.41	313.35	11,126.97	77,808.27	-66,681.30
142+50	51.94	134.57	91.06	283.93	11,218.03	78,134.79	-66,916.75
143+00	54.45	134.44	98.51	249.08	11,316.54	78,421.23	-67,104.69
143+50	60.71	126.66	106.63	241.76	11,423.17	78,699.25	-67,276.08
144+00	64.68	126.77	116.10	234.66	11,539.27	78,969.11	-67,429.84
144+50	73.82	103.83	128.24	213.52	11,667.51	79,214.66	-67,547.14
145+00	13.07	6.95	80.45	102.57	11,747.97	79,332.62	-67,584.65
145+50	12.32	8.39	23.51	14.20	11,771.48	79,348.95	-67,577.47
146+00	12.94	7.41	23.39	14.63	11,794.87	79,365.77	-67,570.91
146+50	7.93	7.51	19.32	13.81	11,814.19	79,381.66	-67,567.47
147+00	8.45	7.37	15.17	13.78	11,829.36	79,397.51	-67,568.15

EARTHWORK DATA - E RAMP

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
183+00	26.84	0.00	0.00	0.00	0.00	0.00	0.00
183+50	46.96	0.00	68.34	0.00	68.34	0.00	68.34
184+00	113.05	0.00	148.16	0.00	216.50	0.00	216.50
184+50	259.95	0.00	345.37	0.00	561.87	0.00	561.87
185+00	29.42	14.00	267.93	12.97	829.81	14.91	814.89
185+33	26.51	30.97	34.59	27.82	864.40	46.90	817.49
185+50	24.27	44.66	15.61	23.25	880.01	73.64	806.37
185+58	24.22	52.01	7.55	15.05	887.56	90.95	796.60
185+83	11.56	74.65	16.54	58.56	904.10	158.30	745.80
186+00	12.44	88.63	7.39	50.25	911.49	216.09	695.39
186+04	30.14	94.30	3.44	14.77	914.93	233.08	681.85
186+50	0.00	589.07	25.47	577.57	940.40	897.29	43.11
187+00	0.00	666.91	0.00	1,162.94	940.40	2,234.67	-1,294.27
187+00	0.00	0.00	0.00	0.00	940.40	2,234.67	-1,294.27
187+50	0.00	681.91	0.00	631.40	940.40	2,960.78	-2,020.38
187+80	0.00	645.42	0.00	737.41	940.40	3,808.80	-2,868.40
188+00	0.00	638.73	0.00	475.61	940.40	4,355.75	-3,415.35
188+50	0.00	613.85	0.00	1,159.79	940.40	5,689.51	-4,749.11
189+00	0.00	657.22	0.00	1,176.92	940.40	7,042.97	-6,102.57
189+50	0.00	594.65	0.00	1,159.13	940.40	8,375.97	-7,435.57
190+00	0.00	705.88	0.00	1,204.19	940.40	9,760.79	-8,820.39

EARTHWORK DATA - F RAMP

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
187+00	0.00	318.11	0.00	0.00	0.00	0.00	0.00
187+50	27.80	338.56	25.74	608.03	25.74	699.24	-673.50
188+00	141.31	420.22	156.59	702.58	182.33	1,507.21	-1,324.88
188+50	166.90	458.74	285.38	813.85	467.71	2,443.14	-1,975.43
189+00	81.98	308.91	230.44	710.78	698.15	3,260.53	-2,562.38
189+50	53.43	415.83	125.38	671.06	823.53	4,032.25	-3,208.72
190+00	0.00	536.51	49.47	881.80	873.00	5,046.31	-4,173.32
190+50	0.00	421.29	0.00	886.85	873.00	6,066.19	-5,193.20
191+00	0.00	505.37	0.00	858.02	873.00	7,052.92	-6,179.92
191+50	0.00	1,079.71	0.00	1,467.67	873.00	8,740.74	-7,867.74
192+00	0.00	862.57	0.00	1,798.41	873.00	10,808.91	-9,935.91
192+50	0.00	769.93	0.00	1,511.58	873.00	12,547.22	-11,674.23
193+00	0.00	698.20	0.00	1,359.38	873.00	14,110.51	-13,237.52
193+50	0.00	635.08	0.00	1,234.52	873.00	15,530.22	-14,657.22
194+00	0.00	621.33	0.00	1,163.34	873.00	16,868.06	-15,995.07
194+50	0.00	630.68	0.00	1,159.27	873.00	18,201.22	-17,328.23
195+00	0.00	684.00	0.00	1,217.30	873.00	19,601.12	-18,728.12
195+50	0.00	743.13	0.00	1,321.42	873.00	21,120.75	-20,247.75
196+00	0.00	787.85	0.00	1,417.57	873.00	22,750.96	-21,877.96
196+50	0.00	753.26	0.00	1,426.95	873.00	24,391.95	-23,518.95
197+00	0.00	604.76	0.00	1,257.42	873.00	25,837.99	-24,964.99
197+50	464.36	23.24	429.96	581.48	1,302.95	26,506.70	-25,203.74
198+00	498.01	0.00	891.08	21.52	2,194.03	26,531.45	-24,337.41
198+50	132.97	105.39	584.24	97.58	2,778.28	26,643.67	-23,865.39
199+00	105.77	185.98	221.06	269.79	2,999.33	26,953.92	-23,954.59
199+50	102.93	192.91	193.24	350.82	3,192.57	27,357.37	-24,164.80
199+80	186.93	12.95	161.51	114.70	3,354.08	27,489.27	-24,135.20
200+00	253.63	2.22	162.46	5.59	3,516.53	27,495.70	-23,979.17
200+50	202.01	0.00	421.89	2.06	3,938.42	27,498.07	-23,559.65
201+00	193.94	0.00	366.62	0.00	4,305.04	27,498.07	-23,193.03
201+50	126.16	0.00	296.39	0.00	4,601.43	27,498.07	-22,896.64
202+00	70.46	0.00	182.06	0.00	4,783.49	27,498.07	-22,714.58
202+50	25.31	26.07	88.68	24.14	4,872.17	27,525.83	-22,653.67
203+00	15.83	149.03	38.10	162.13	4,910.27	27,712.28	-22,802.02
203+50	15.45	226.37	28.97	347.59	4,939.23	28,112.01	-23,172.78

EARTHWORK DATA - G RAMP

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
200+50	0.50	1,269.52	0.00	0.00	0.00	0.00	0.00
201+00	0.00	980.05	0.46	2,082.94	0.46	2,395.38	-2,394.92
201+50	0.12	844.70	0.11	1,689.59	0.58	4,338.41	-4,337.83
202+00	0.33	855.12	0.42	1,573.91	0.99	6,148.41	-6,147.42
202+50	2.39	903.90	2.52	1,628.73	3.51	8,021.45	-8,017.94
203+00	3.70	868.82	5.64	1,641.41	9.15	9,909.07	-9,899.92
203+50	3.66	679.86	6.81	1,433.96	15.96	11,558.13	-11,542.17
203+85	48.28	335.51	33.67	658.10	49.63	12,314.95	-12,265.32
204+00	119.69	174.35	46.66	141.63	96.29	12,477.82	-12,381.53
204+50	644.68	0.00	707.75	161.44	804.04	12,663.48	-11,859.44
205+00	565.73	0.00	1,120.75	0.00	1,924.79	12,663.48	-10,738.69
205+03	1,083.23	0.00	103.06	0.00	2,027.85	12,663.48	-10,635.62
205+32	989.40	7.14	1,083.33	3.73	3,111.18	12,667.77	-9,556.59
205+50	815.09	0.00	614.86	2.43	3,726.05	12,670.57	-8,944.52
205+57	779.41	0.00	194.88	0.00	3,920.93	12,670.57	-8,749.64
206+00	1,180.97	0.00	1,575.57	0.00	5,496.49	12,670.57	-7,174.07
206+50	331.85	240.56	1,400.75	222.74	6,897.25	12,926.72	-6,029.47
206+77	198.40	232.47	261.20	233.01	7,158.45	13,194.68	-6,036.23
207+00	169.78	223.24	159.55	197.47	7,317.99	13,421.77	-6,103.78
207+50	121.30	252.49	269.52	440.49	7,587.51	13,928.33	-6,340.82
208+00	88.64	244.14	194.39	459.84	7,781.90	14,457.15	-6,675.25
208+50	90.93	245.90	166.27	453.74	7,948.17	14,978.95	-7,030.78
208+80	163.19	24.77	141.18	150.37	8,089.35	15,151.88	-7,062.53
209+00	171.71	14.17	124.04	14.42	8,213.38	15,168.46	-6,955.08
209+50	147.17	14.20	295.26	26.27	8,508.64	15,198.68	-6,690.03
210+00	112.90	5.82	240.80	18.55	8,749.45	15,220.00	-6,470.56
210+50	74.44	0.01	173.46	5.40	8,922.91	15,226.21	-6,303.30
211+00	50.46	0.00	115.64	0.01	9,038.56	15,226.22	-6,187.66
211+50	26.67	3.46	71.41	3.20	9,109.97	15,229.91	-6,119.94
212+00	24.70	10.50	47.56	12.93	9,157.54	15,244.78	-6,087.24

EARTHWORK DATA - IH 90 WESTBOUND

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
200+50	28.55	0.00	0.00	0.00	0.00	0.00	0.00
201+00	29.27	0.00	53.54	0.00	53.54	0.00	53.54
201+50	39.36	0.00	63.54	0.00	117.08	0.00	117.08
202+00	44.27	0.00	77.43	0.00	194.51	0.00	194.51
202+50	48.34	0.00	85.74	0.00	280.25	0.00	280.25
203+00	70.14	0.00	109.70	0.00	389.95	0.00	389.95
203+50	172.99	0.00	225.12	0.00	615.07	0.00	615.07
204+00	228.60	0.00	371.84	0.00	986.91	0.00	986.91
204+50	149.70	3.42	350.27	3.17	1,337.18	3.65	1,333.53
205+00	44.53	0.00	179.85	3.17	1,517.02	7.29	1,509.73
205+50	64.24	0.00	100.72	0.00	1,617.74	7.29	1,610.45
206+00	37.58	0.00	94.29	0.00	1,712.03	7.29	1,704.74
206+50	25.70	0.00	58.60	0.00	1,770.63	7.29	1,763.34
207+00	16.88	0.00	39.43	0.00	1,810.06	7.29	1,802.77
207+50	12.69	0.00	27.39	0.00	1,837.45	7.29	1,830.16
208+00	8.74	0.00	19.85	0.00	1,857.30	7.29	1,850.01

EARTHWORK DATA - FA RAMP

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
189+50	0.00	216.38	0.00	0.00	0.00	0.00	0.00
190+00	0.00	494.72	0.00	658.42	0.00	757.18	-757.18

EARTHWORK DATA - H RAMP

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
197+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197+50	58.99	82.27	54.62	76.18	54.62	87.61	-32.99
198+00	97.02	16.79	144.46	91.72	199.07	193.08	5.99
198+50	94.42	168.36	177.26	171.43	376.34	390.23	-13.89
199+00	394.73	112.08	452.91	259.67	829.25	688.85	140.40
199+50	172.57	139.50	525.27	232.95	1,354.52	956.74	397.78
200+00	265.36	0.00	405.49	129.17	1,760.00	1,105.28	654.72
200+50	2.03	261.84	247.58	242.45	2,007.59	1,384.10	623.49

EARTHWORK DATA - GR LINE

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
20+00	20.61	1.13	0.00	0.00	0.00	0.00	0.00
20+50	70.67	0.00	84.51	1.05	84.51	1.20	83.31
21+00	91.15	0.00	149.83	0.00	234.34	1.20	233.14

EARTHWORK DATA - TEMPORARY EW

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
186+00	42.82	0.00	0.00	0.00	0.00	0.00	0.00
186+50	0.00	418.33	39.65	387.34	39.65	445.44	-405.79
187+00	1.30	663.11	1.20	1,001.33	40.85	1,596.97	-1,556.12
187+25	5.67	632.23	3.22	599.70	44.07	2,286.63	-2,242.55
187+50	4.08	509.41	4.51	528.54	48.59	2,894.44	-2,845.86
188+00	1.20	287.33	4.89	737.72	53.47	3,742.82	-3,689.34
188+50	0.00	192.90	1.11	444.65	54.59	4,254.17	-4,199.58
189+00	2.96	90.43	2.74	262.34	57.33	4,555.85	-4,498.53

EARTHWORK DATA - TEMPORARY FA

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
189+50	0.00	106.48	0.00	0.00	0.00	0.00	0.00
190+00	0.00	192.26	0.00	276.61	0.00	318.10	-318.10

EARTHWORK DATA - TEMPORARY FX

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
98+50	0.00	120.73	0.00	0.00	0.00	0.00	0.00
99+00	0.00	128.94	0.00	231.18	0.00	265.85	-265.85
99+50	0.00	138.26	0.00	247.41	0.00	550.37	-550.37
100+00	0.00	154.38	0.00	270.96	0.00	861.98	-861.98
100+50	0.00	155.44	0.00	286.87	0.00	1,191.88	-1,191.88
100+75	0.00	171.10	0.00	151.18	0.00	1,365.73	-1,365.73
101+00	0.00	159.45	0.00	153.03	0.00	1,541.72	-1,541.72
101+50	0.00	81.44	0.00	223.05	0.00	1,798.22	-1,798.22
102+00	0.05	9.02	0.04	83.76	0.04	1,894.54	-1,894.50
102+50	59.87	0.00	55.48	8.35	55.52	1,904.14	-1,848.62
103+00	53.98	0.00	105.42	0.00	160.94	1,904.14	-1,743.20

EARTHWORK DATA - TEMPORARY FY

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
103+50	45.94	3.37	0.00	0.00	0.00	0.00	0.00
103+72	54.99	28.09	40.87	12.74	40.87	14.65	26.22
104+00	6.53	48.98	32.05	40.16	72.92	60.83	12.09
104+50	13.43	21.07	18.48	64.86	91.40	135.42	-44.03
105+00	14.82	0.61	26.15	20.07	117.55	158.51	-40.96
105+50	30.24	0.00	41.72	0.56	159.27	159.15	0.12

EARTHWORK DATA - TEMPORARY GY

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
203+00	218.34	0.00	0.00	0.00	0.00	0.00	0.00
203+50	1,549.17	0.00	1,636.58	0.00	1,636.58	0.00	1,636.58
204+00	1,508.94	0.00	2,831.58	0.00	4,468.16	0.00	4,468.16
204+50	1,159.66	0.00	2,470.92	0.00	6,939.08	0.00	6,939.08
205+00	705.29	0.00	1,726.80	0.00	8,665.89	0.00	8,665.89
205+50	398.53	277.09	1,022.06	256.56	9,687.94	295.05	9,392.89
206+00	139.85	738.47	498.50	940.33	10,186.44	1,376.43	8,810.01
206+50	33.75	1,090.06	160.73	1,693.08	10,347.18	3,323.47	7,023.71
207+00	0.00	1,189.68	31.25	2,110.87	10,378.42	5,750.97	4,627.46
207+50	0.00	1,064.62	0.00	2,087.32	10,378.42	8,151.38	2,227.04
208+00	0.00	1,052.59	0.00	1,960.38	10,378.42	10,405.82	-27.40
208+50	0.00	1,001.48	0.00	1,901.92	10,378.42	12,593.03	-2,214.60
209+00	1.36	399.35	1.26	1,297.07	10,379.68	14,084.65	-3,704.97
209+50	7.36	223.60	8.07	576.80	10,387.75	14,747.98	-4,360.23
210+00	7.36	95.33	13.63	295.31	10,401.37	15,087.58	-4,686.21
210+50	7.31	27.45	13.59	113.68	10,414.96	15,218.31	-4,803.35
211+00	7.25	1.35	13.49	26.66	10,428.45	15,248.98	-4,820.53

EARTHWORK DATA - TEMPORARY GZ

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
203+00	637.43	1.82	0.00	0.00	0.00	0.00	0.00
203+50	1,138.45	0.00	1,644.33	1.69	1,644.33	1.94	1,642.39
204+00	1,068.92	5.64	2,043.86	5.22	3,688.19	7.94	3,680.25
204+50	964.14	5.64	1,882.46	10.44	5,570.65	19.95	5,550.70
205+00	661.38	11.03	1,505.11	15.43	7,075.77	37.70	7,038.06
205+50	450.74	13.81	1,029.74	23.00	8,105.51	64.15	8,041.36
206+00	328.76	0.26	721.76	13.03	8,827.27	79.13	8,748.14
206+50	244.71	0.00	530.99	0.24	9,358.26	79.40	9,278.85
207+00	131.08	0.32	347.95	0.30	9,706.21	79.74	9,626.46

EARTHWORK DATA - TEMPORARY HX

STATION	AREA (SF) CUT	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	INCREMENTAL VOL (CY) EBS	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	CUMULATIVE VOL (CY) EXP. EBS BACKFILL 1.30	CUMULATIVE VOL (CY) RED. EBS IN FILL 0.80	MASS ORDINATE
198+00	34.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198+50	23.03	192.42	0.00	53.31	178.17	0.00	53.31	204.89	0.00	0.00	-151.58
199+00	50.98	199.92	0.00	68.53	363.28	0.00	121.84	622.66	0.00	0.00	-500.82
199+50	58.13	153.23	0.00	101.02	326.99	0.00	222.86	998.70	0.00	0.00	-775.84
200+00	52.48	126.42	0.00	102.41	258.94	0.00	325.28	1,296.49	0.00	0.00	-971.21
203+00	57.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-971.21
203+50	17.43	7.73	0.00	69.83	7.16	0.00	69.83	8.23	0.00	0.00	-909.61
204+00	17.19	72.38	0.00	32.06	74.18	0.00	101.89	93.53	0.00	0.00	-962.86
204+50	2.32	158.27	10.71	18.07	213.57	9.92	119.95	339.14	12.89	7.93	-1,198.33
205+00	0.00	196.42	26.62	2.15	328.42	34.56	122.10	716.82	57.82	35.58	-1,601.52
205+50	1.59	154.54	63.59	1.47	324.97	83.52	123.57	1,090.54	166.40	102.40	-2,040.58
206+00	0.00	129.41	39.04	1.47	262.92	95.02	125.04	1,392.89	289.93	178.42	-2,417.48
206+50	5.11	123.40	3.17	4.73	234.08	39.08	129.77	1,662.09	340.73	209.68	-2,713.20
207+00	24.79	6.94	0.00	27.69	120.68	2.93	157.46	1,800.87	344.54	212.03	-2,826.65
207+50	28.08	0.00	0.00	48.95	6.42	0.00	206.42	1,808.26	344.54	212.03	-2,785.08

EARTHWORK DATA - TEMPORARY TG

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
20+50	54.97	0.00	0.00	0.00	0.00	0.00	0.00
21+00	116.45	0.03	158.72	0.02	158.72	0.03	158.69

EARTHWORK DATA - TEMPORARY RW

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
142+00	7.80	0.00	0.00	0.00	0.00	0.00	0.00
142+50	7.72	0.00	14.37	0.00	14.37	0.00	14.37
143+00	8.13	0.00	14.67	0.00	29.04	0.00	29.04
143+50	13.32	0.00	19.86	0.00	48.90	0.00	48.90
144+00	13.07	0.00	24.43	0.00	73.33	0.00	73.33
144+50	10.72	0.00	22.02	0.00	95.35	0.00	95.35
145+00	15.81	0.00	24.56	0.00	119.91	0.00	119.91
145+50	15.00	0.00	28.53	0.00	148.44	0.00	148.44
146+00	15.78	0.00	28.50	0.00	176.94	0.00	176.94
146+50	17.15	0.00	30.49	0.00	207.43	0.00	207.43
147+00	12.74	0.00	27.68	0.00	235.10	0.00	235.10

EARTHWORK DATA - TEMPORARY UG

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
20+00	49.14	0.00	0.00	0.00	0.00	0.00	0.00
20+50	39.53	0.00	82.11	0.00	82.11	0.00	82.11
21+00	68.64	0.00	100.16	0.00	182.27	0.00	182.27

EARTHWORK DATA - TEMPORARY RY

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
132+00	16.49	0.00	0.00	0.00	0.00	0.00	0.00
132+50	18.28	0.00	32.19	0.00	32.19	0.00	32.19
133+00	21.85	0.00	37.16	0.00	69.35	0.00	69.35
133+50	26.83	0.00	45.08	0.00	114.43	0.00	114.43
134+00	20.27	0.00	43.61	0.00	158.04	0.00	158.04
134+50	8.26	0.01	26.41	0.01	184.45	0.01	184.44
134+75	11.84	0.00	9.30	0.00	193.75	0.01	193.74

EARTHWORK DATA - TEMPORARY RN WIDENING

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
101+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105+50	0.00	4.98	0.00	4.61	0.00	5.30	-5.30
106+00	0.00	0.00	0.00	4.61	0.00	10.61	-10.61
106+50	0.00	0.00	0.00	0.00	0.00	10.61	-10.61
107+00	0.00	0.00	0.00	0.00	0.00	10.61	-10.61
107+50	0.00	0.00	0.00	0.00	0.00	10.61	-10.61
108+00	0.00	0.00	0.00	0.00	0.00	10.61	-10.61
108+02	0.00	0.00	0.00	0.00	0.00	10.61	-10.61
108+50	0.00	2.33	0.00	2.07	0.00	12.99	-12.99
109+00	0.00	0.00	0.00	2.16	0.00	15.47	-15.47
109+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
110+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
110+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
111+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
111+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
112+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
112+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
113+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
113+03	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
113+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
114+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
114+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
115+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
115+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
115+82	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
116+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
116+37	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
116+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47

EARTHWORK DATA - TEMPORARY RN WIDENING

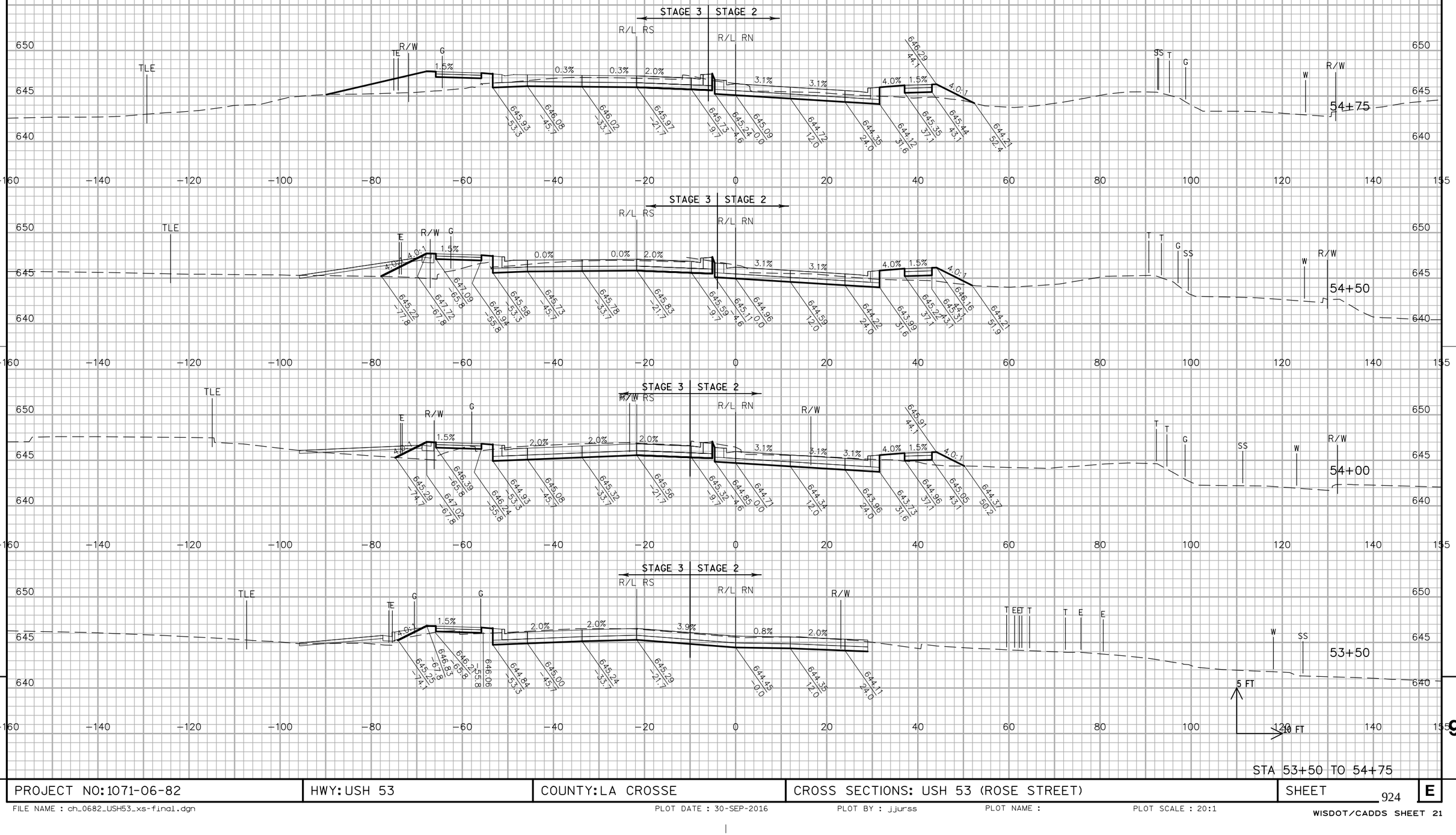
STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT UNADJ.	INCREMENTAL VOL (CY) FILL UNADJ.	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXP. FILL 1.15	MASS ORDINATE
117+00	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
117+50	0.00	0.00	0.00	0.00	0.00	15.47	-15.47
118+00	0.00	122.90	0.00	113.80	0.00	146.34	-146.34
118+02	0.00	116.73	0.00	8.44	0.00	156.05	-156.05
118+50	0.00	0.55	0.00	104.46	0.00	276.18	-276.18
119+00	0.00	14.48	0.00	13.92	0.00	292.19	-292.19
119+50	0.00	0.00	0.00	13.41	0.00	307.61	-307.61
120+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
120+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
121+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
121+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
122+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
122+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
123+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
123+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
124+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
124+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
125+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
125+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
126+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
126+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
127+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
127+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
128+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
128+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
129+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
129+05	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
129+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
130+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
130+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
131+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
131+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
132+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
132+50	0.00	0.00	0.00	0.00	0.00	307.61	-307.61
133+00	0.00	0.00	0.00	0.00	0.00	307.61	-307.61

EARTHWORK DATA - TEMPORARY RS WIDENING

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
98+50	35.19	3.79	0.00	0.00	0.00	0.00	0.00
99+00	34.10	3.24	64.16	6.51	64.16	7.49	56.67
99+50	38.15	2.73	66.90	5.53	131.06	13.84	117.21
100+00	57.50	1.76	88.56	4.16	219.62	18.62	201.00
100+50	64.55	1.50	113.01	3.02	332.63	22.09	310.53
101+00	79.46	3.02	133.34	4.19	465.97	26.91	439.06
101+12	75.50	4.27	35.55	1.67	501.52	28.83	472.69
101+50	80.70	1.20	108.80	3.81	610.32	33.21	577.10
102+00	67.90	1.57	137.59	2.56	747.91	36.16	711.75
102+50	59.94	43.25	118.37	41.50	866.28	83.88	782.40
103+00	56.63	3.06	107.93	42.88	974.21	133.19	841.02
103+50	90.80	0.20	136.51	3.02	1,110.73	136.67	974.06
104+00	58.31	0.00	138.07	0.19	1,248.79	136.88	1,111.92
104+50	29.72	0.00	81.51	0.00	1,330.30	136.88	1,193.42
105+00	16.26	0.15	42.57	0.14	1,372.88	137.04	1,235.84
105+50	14.38	0.58	28.37	0.68	1,401.25	137.82	1,263.43
106+00	15.68	0.00	27.83	0.54	1,429.08	138.43	1,290.65
106+50	16.64	0.00	29.93	0.00	1,459.01	138.43	1,320.57
107+00	0.00	0.00	15.41	0.00	1,474.42	138.43	1,335.98
115+00	18.40	0.00	272.59	0.00	1,747.01	138.43	1,608.57
115+50	44.55	0.00	58.29	0.00	1,805.29	138.43	1,666.86
116+00	52.06	0.00	89.45	0.00	1,894.75	138.43	1,756.31
116+50	51.99	0.00	96.34	0.00	1,991.09	138.43	1,852.66
117+00	43.51	0.50	88.43	0.46	2,079.52	138.97	1,940.55
117+50	46.84	3.97	83.66	4.14	2,163.17	143.73	2,019.45
118+00	46.48	5.78	86.41	9.03	2,249.58	154.11	2,095.47
118+16	45.79	8.49	27.85	4.31	2,277.43	159.06	2,118.37
118+25	45.39	7.84	14.69	2.63	2,292.12	162.09	2,130.04
118+50	43.55	6.34	41.18	6.56	2,333.30	169.64	2,163.66
119+00	53.00	3.33	89.40	8.95	2,422.70	179.93	2,242.76

EARTHWORK DATA - TEMPORARY RS WIDENING

STATION	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT UNADJ.	FILL UNADJ.	CUT 1.00	EXP. FILL 1.15	
119+50	46.56	2.09	92.19	5.02	2,514.88	185.70	2,329.18
120+00	43.21	0.36	83.12	2.27	2,598.00	188.31	2,409.69
120+50	509.40	0.00	511.68	0.33	3,109.68	188.70	2,920.98
121+00	733.14	0.00	1,150.50	0.00	4,260.18	188.70	4,071.48
121+50	350.72	0.00	1,003.57	0.00	5,263.75	188.70	5,075.06
122+00	131.70	0.00	446.69	0.00	5,710.44	188.70	5,521.74
122+50	66.89	0.00	183.88	0.00	5,894.32	188.70	5,705.62
123+00	68.16	1.39	125.05	1.29	6,019.36	190.18	5,829.19
123+20	75.10	4.40	53.59	2.17	6,072.95	192.67	5,880.29
123+50	64.06	0.02	76.80	2.44	6,149.75	195.47	5,954.28
124+00	57.76	0.00	112.80	0.02	6,262.55	195.49	6,067.05
124+50	41.85	0.00	92.23	0.00	6,354.78	195.49	6,159.28
125+00	33.40	0.00	69.67	0.00	6,424.45	195.49	6,228.95
125+50	38.04	0.00	66.15	0.00	6,490.60	195.49	6,295.11
126+00	75.32	0.00	104.97	0.00	6,595.57	195.49	6,400.08
126+50	75.78	0.19	139.91	0.18	6,735.48	195.70	6,539.78
127+00	69.43	0.00	134.45	0.18	6,869.93	195.90	6,674.03
127+50	61.54	0.00	121.27	0.00	6,991.19	195.90	6,795.30
128+00	41.19	0.00	95.12	0.00	7,086.32	195.90	6,890.42
128+50	20.19	0.00	56.83	0.00	7,143.15	195.90	6,947.25
129+00	41.64	0.00	57.25	0.00	7,200.40	195.90	7,004.50
129+19	11.90	1.72	19.24	0.62	7,219.64	196.61	7,023.03
129+50	101.14	1.04	64.04	1.56	7,283.68	198.41	7,085.27
130+00	41.25	1.71	131.84	2.55	7,415.52	201.34	7,214.19
130+50	31.55	1.32	67.41	2.81	7,482.93	204.56	7,278.37
131+00	16.74	1.38	44.71	2.50	7,527.64	207.44	7,320.21
131+50	16.06	0.38	30.37	1.63	7,558.01	209.31	7,348.70
132+00	19.70	0.02	33.11	0.37	7,591.12	209.74	7,381.39
132+50	20.50	0.00	37.22	0.02	7,628.35	209.76	7,418.59
133+00	23.78	0.08	41.00	0.07	7,669.35	209.84	7,459.50

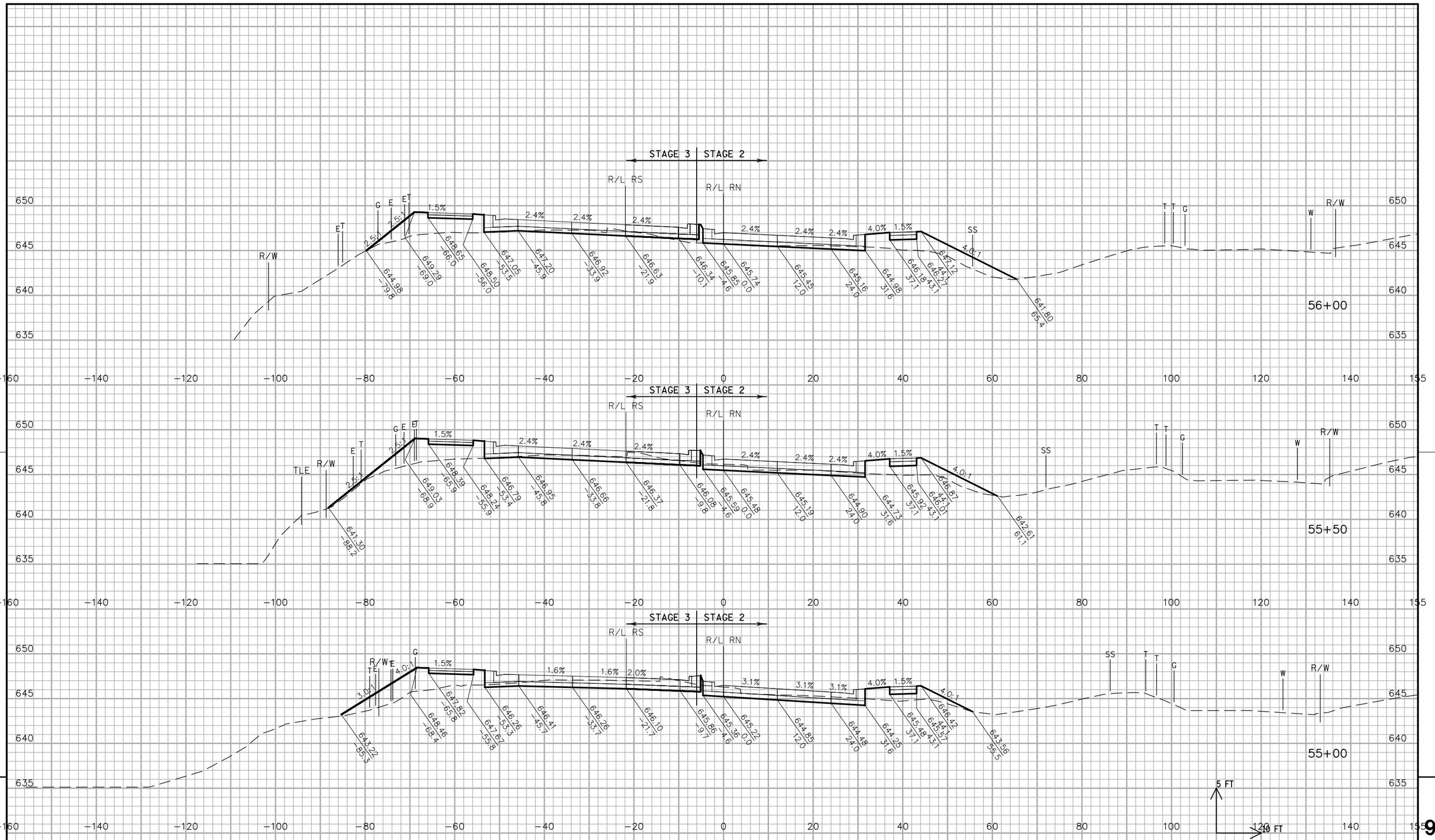


STA 53+50 TO 54+75

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 924	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 30-SEP-2016 PLOT BY : jjurss PLOT NAME : PLOT SCALE : 20:1

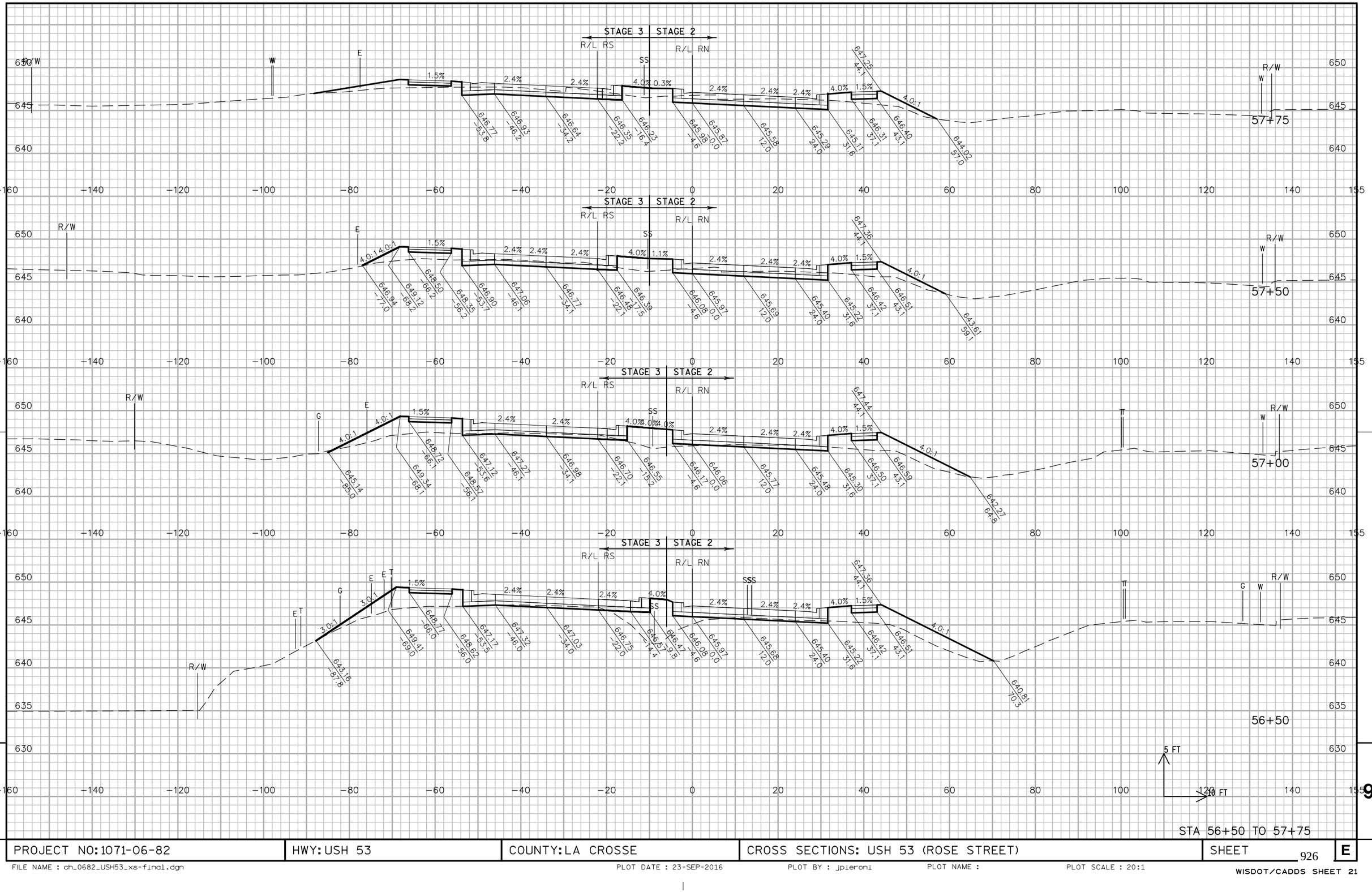
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 925	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

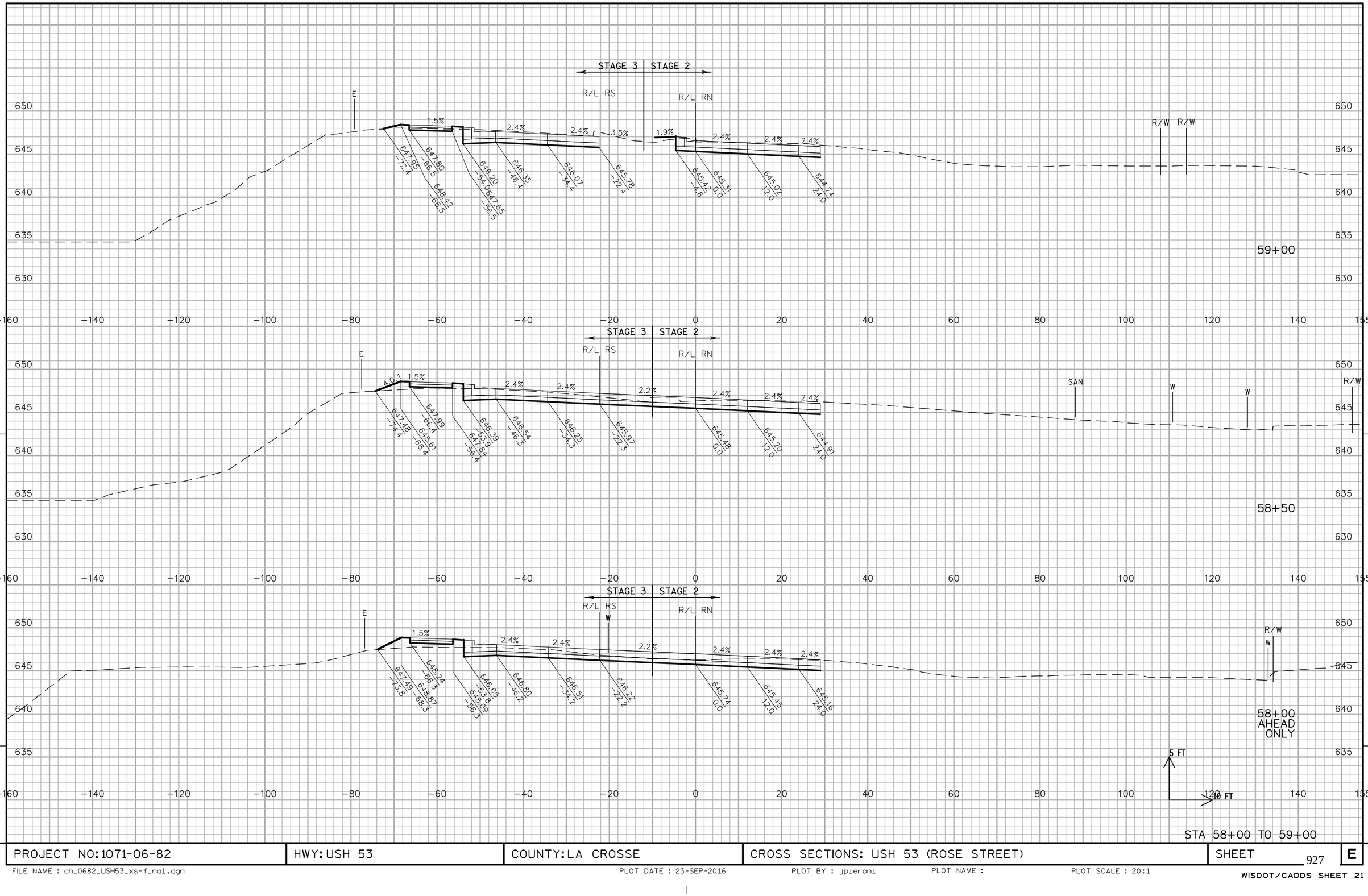


STA 56+50 TO 57+75

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 926	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



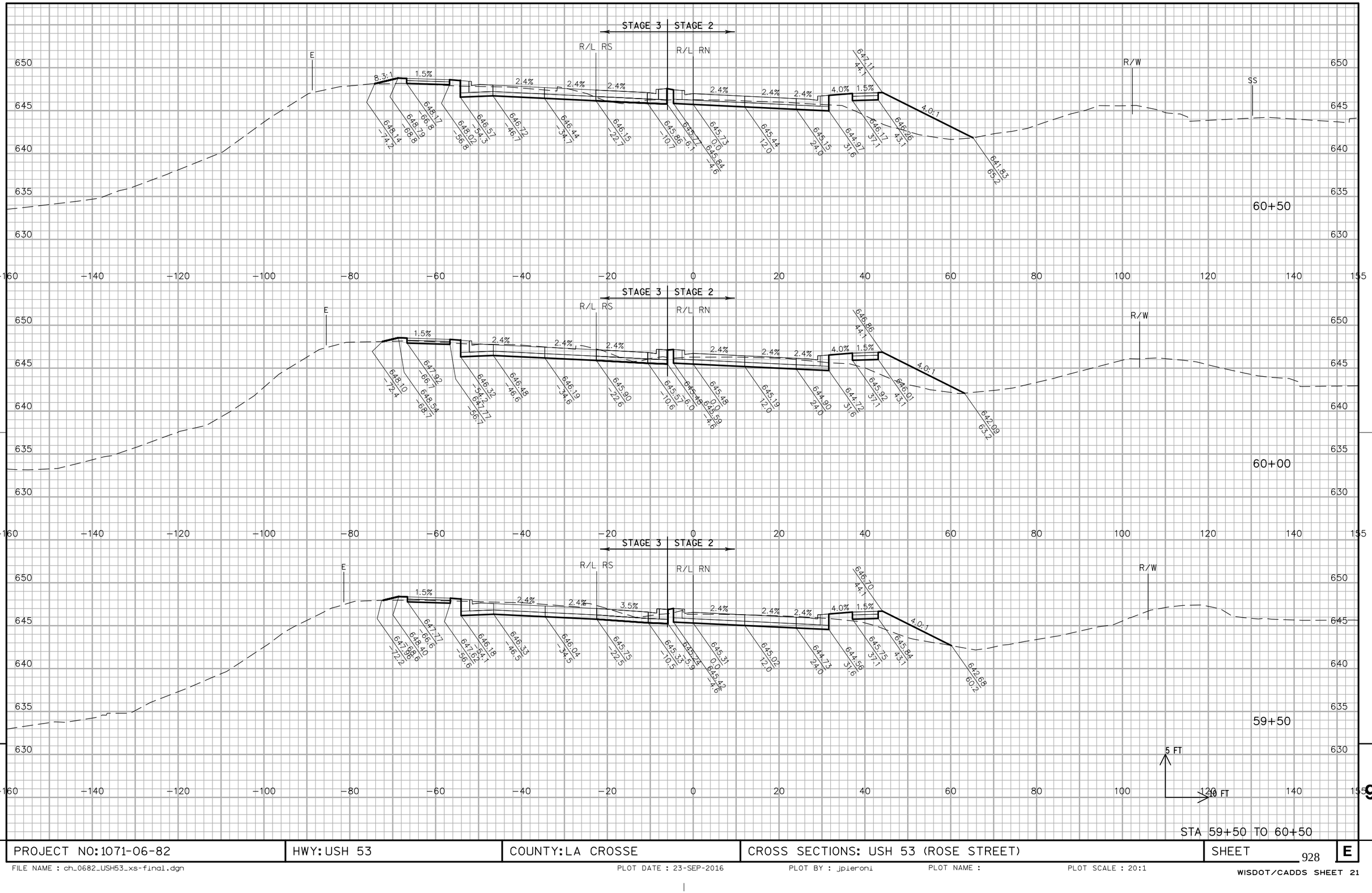
9

9

PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 927	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

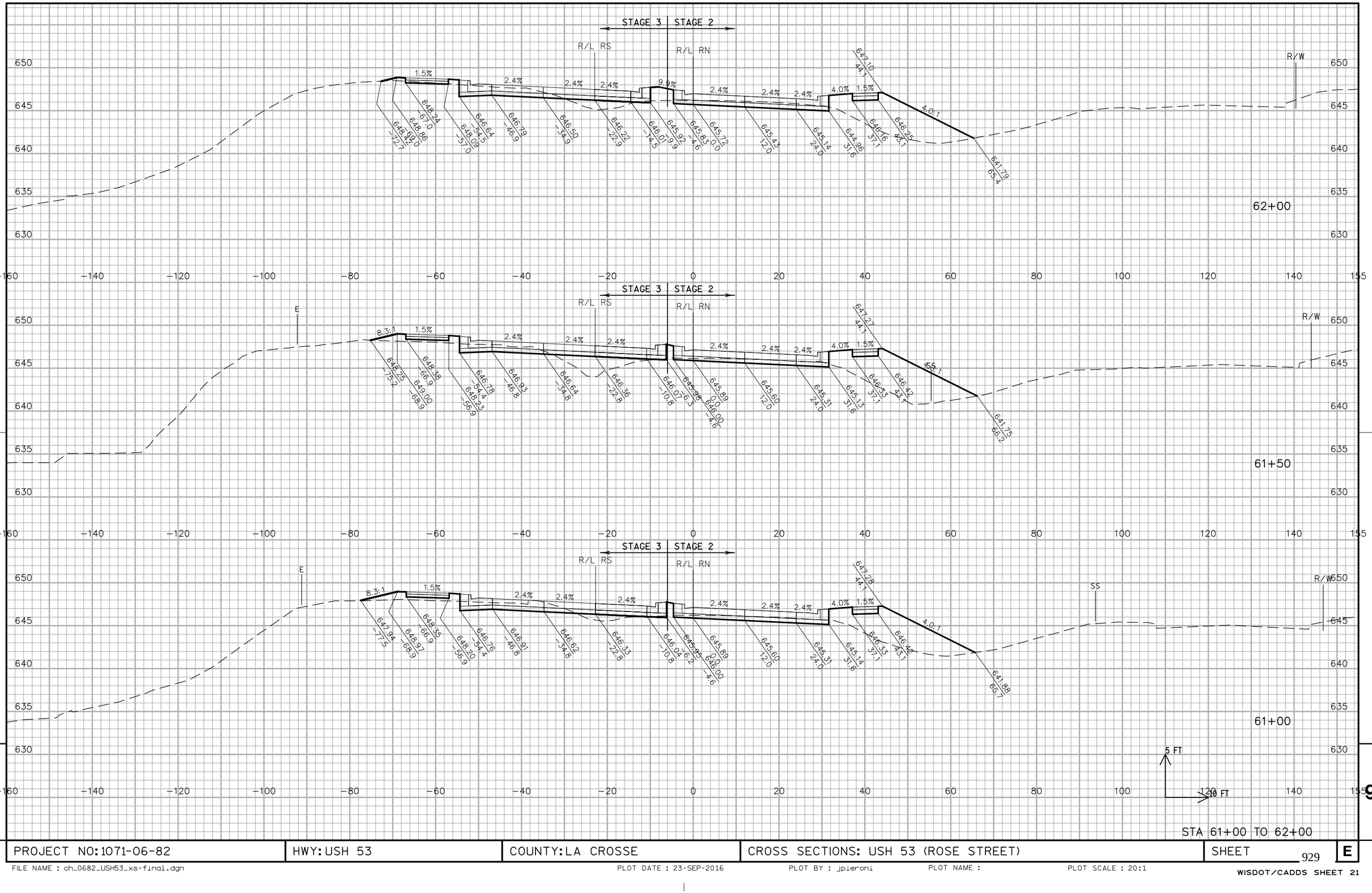
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 928	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

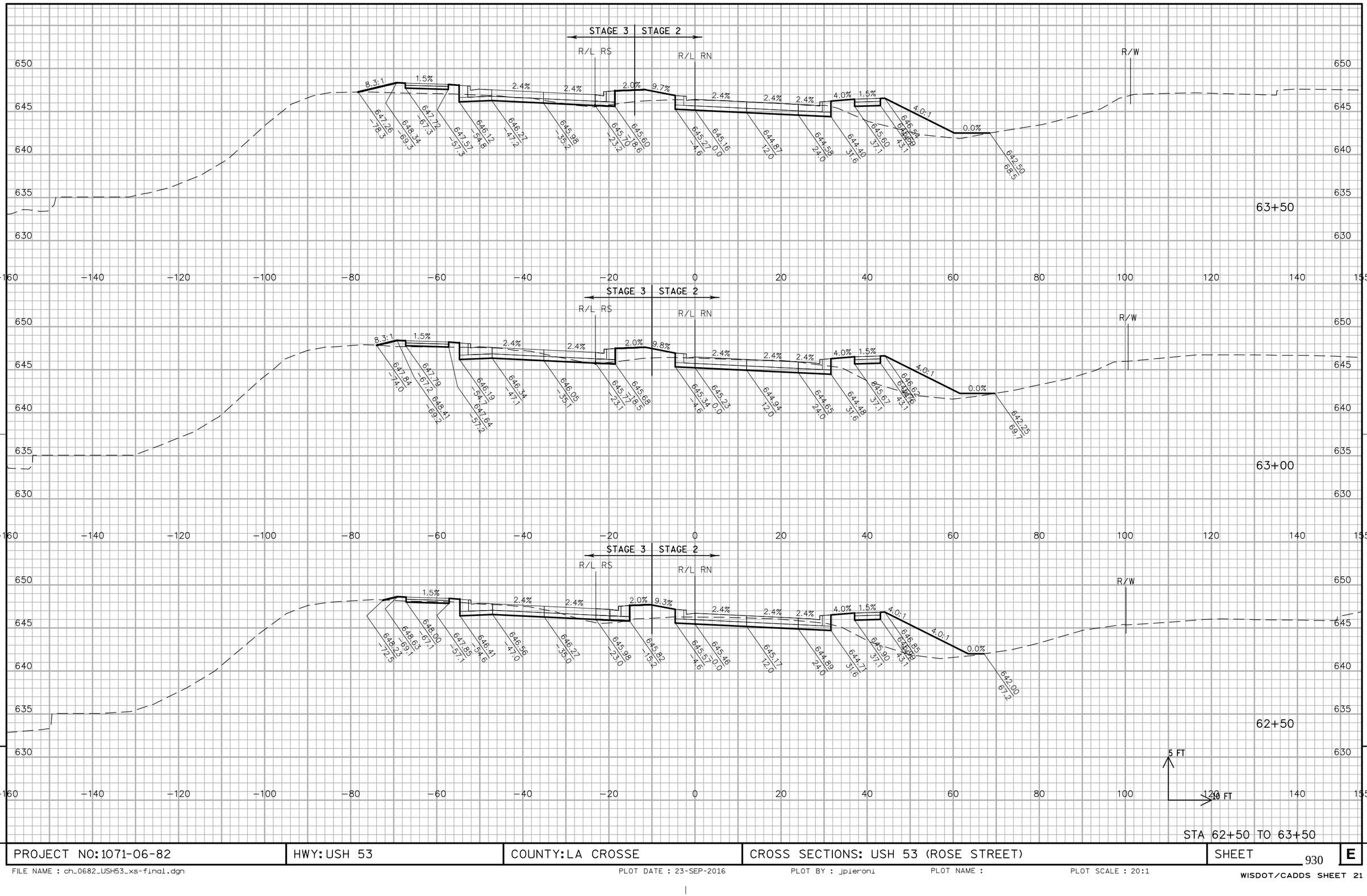


STA 61+00 TO 62+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 929	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

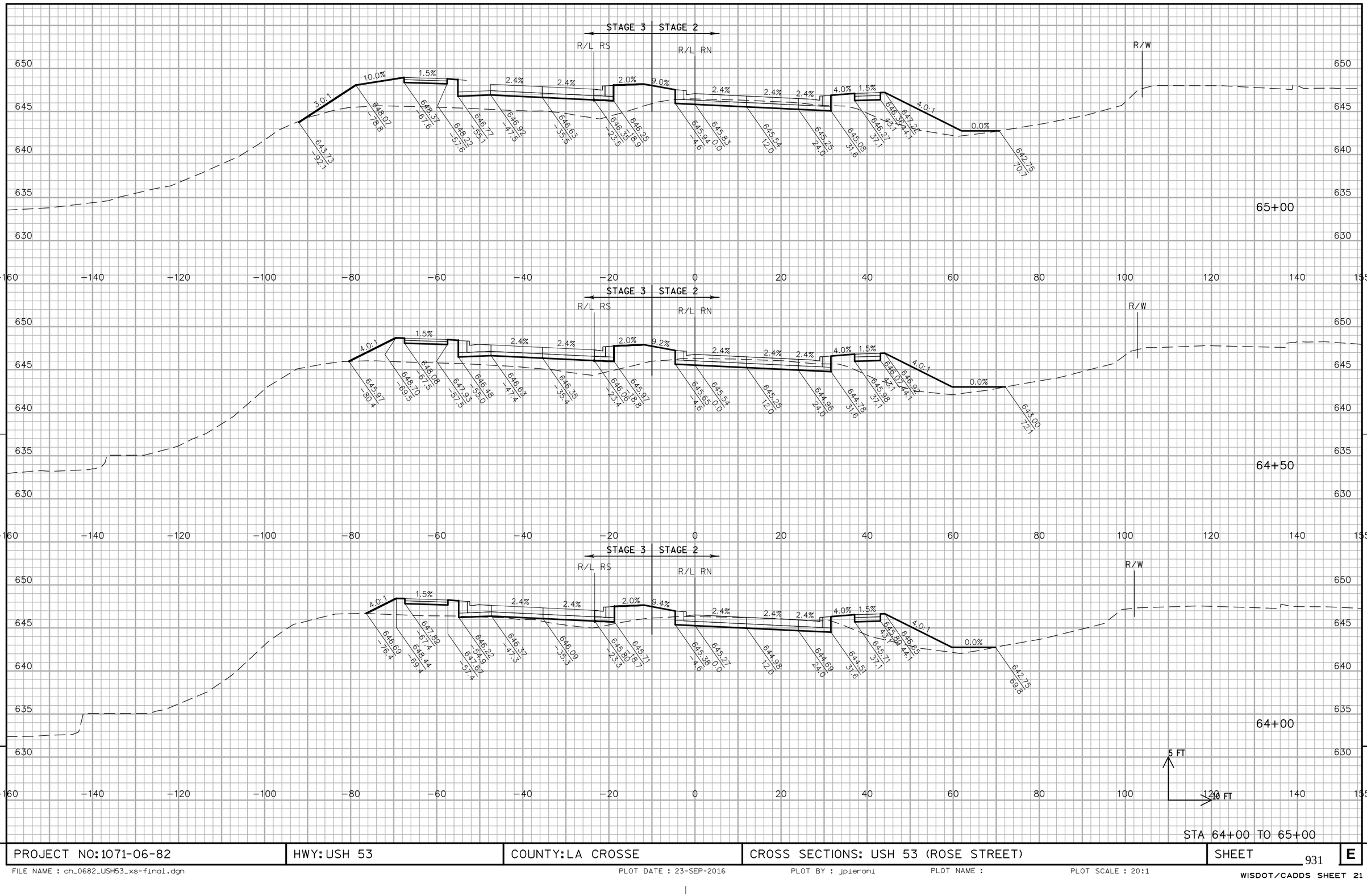


STA 62+50 TO 63+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 930	E

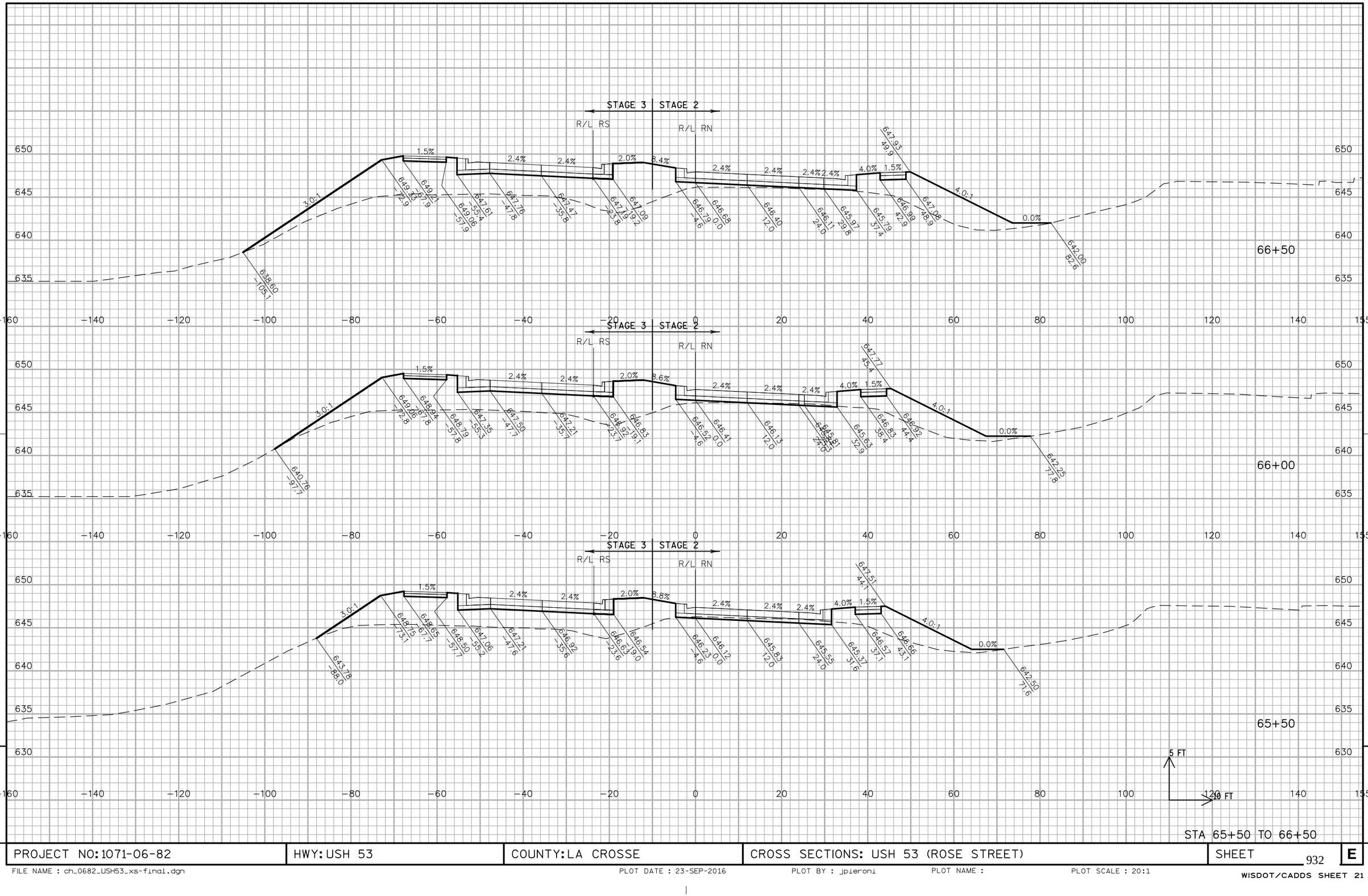
FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 64+00 TO 65+00

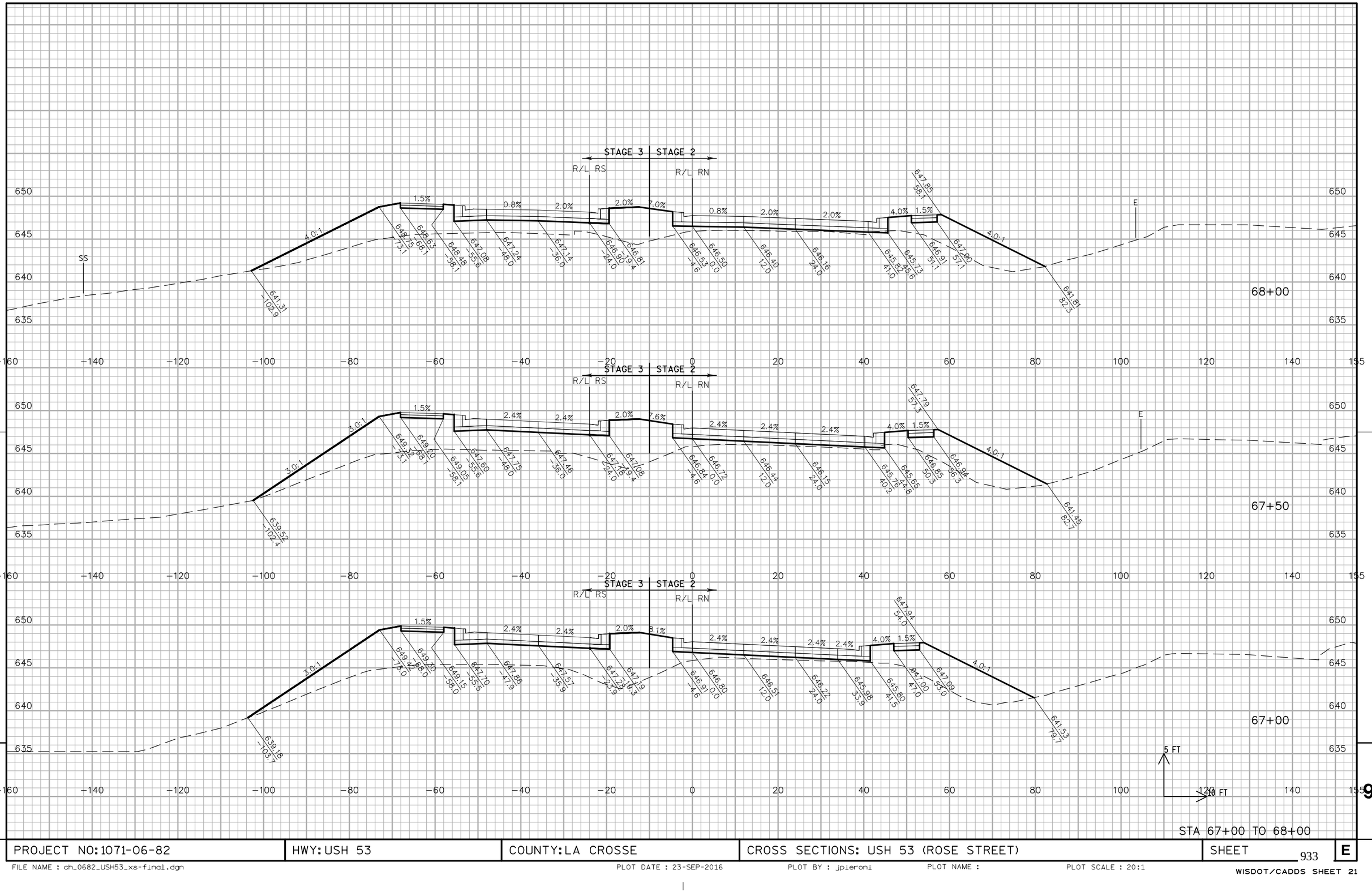
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 931	E



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 932	E

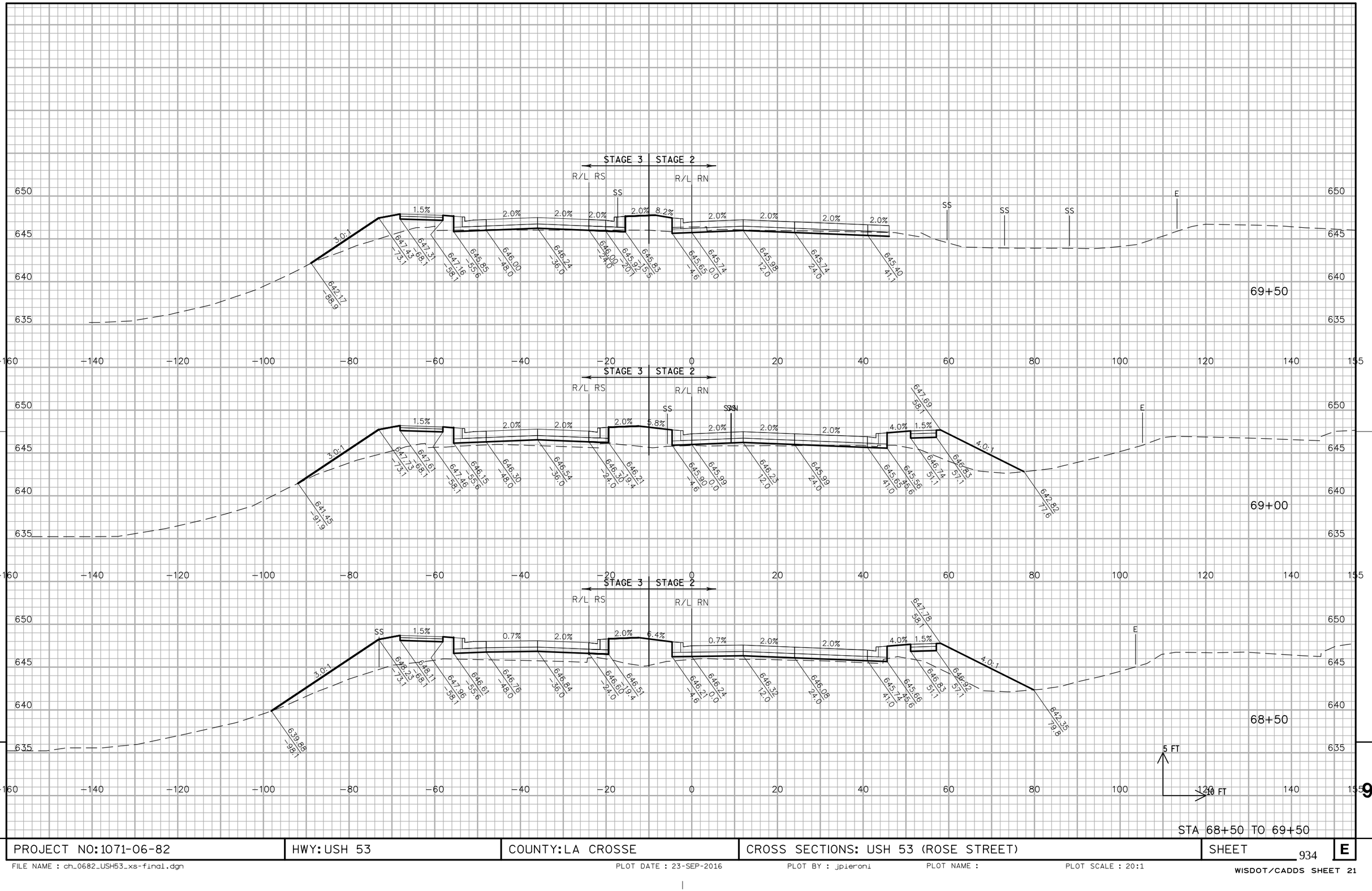
FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 933	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

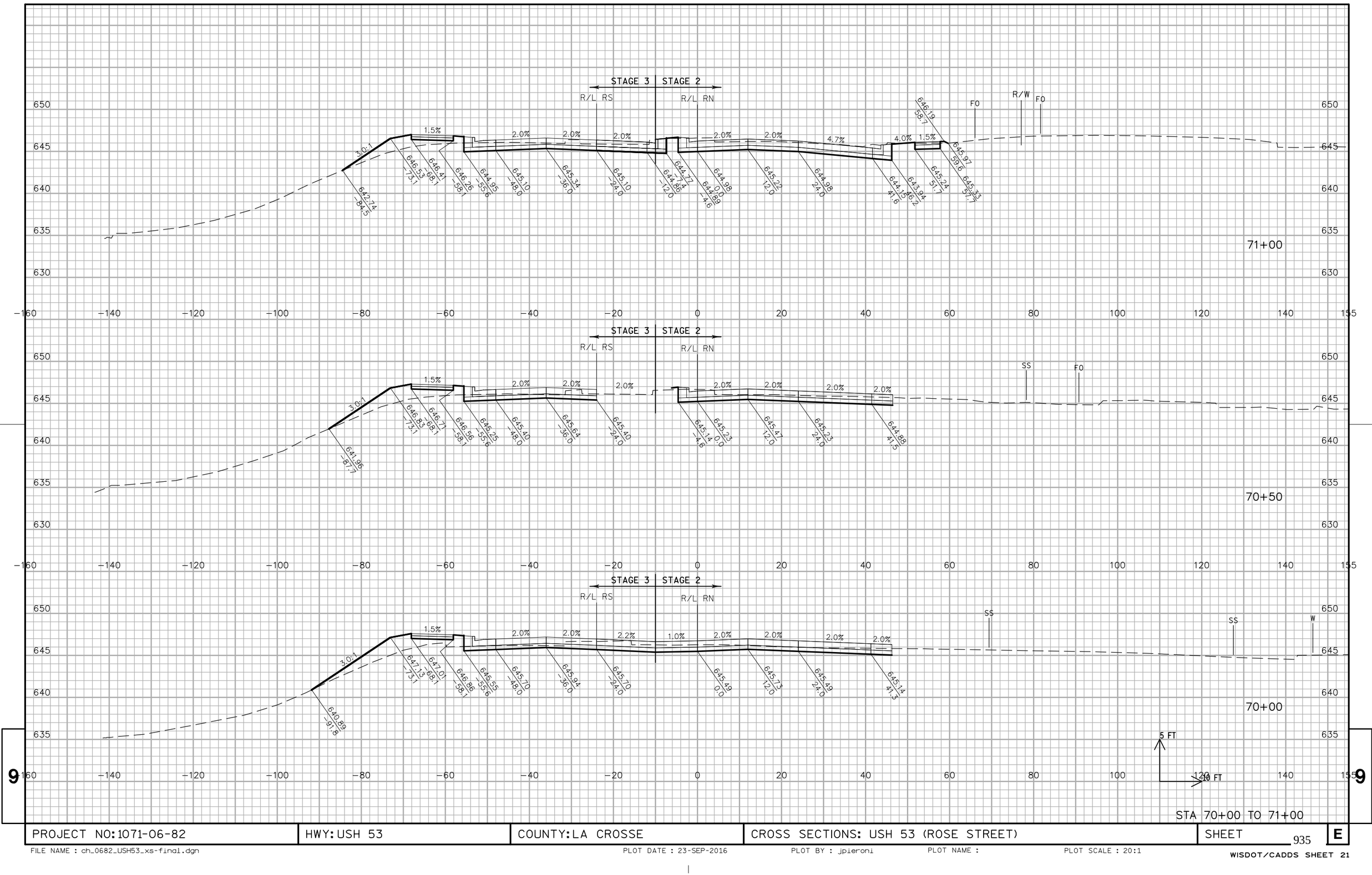


STA 68+50 TO 69+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 934	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 70+00 TO 71+00

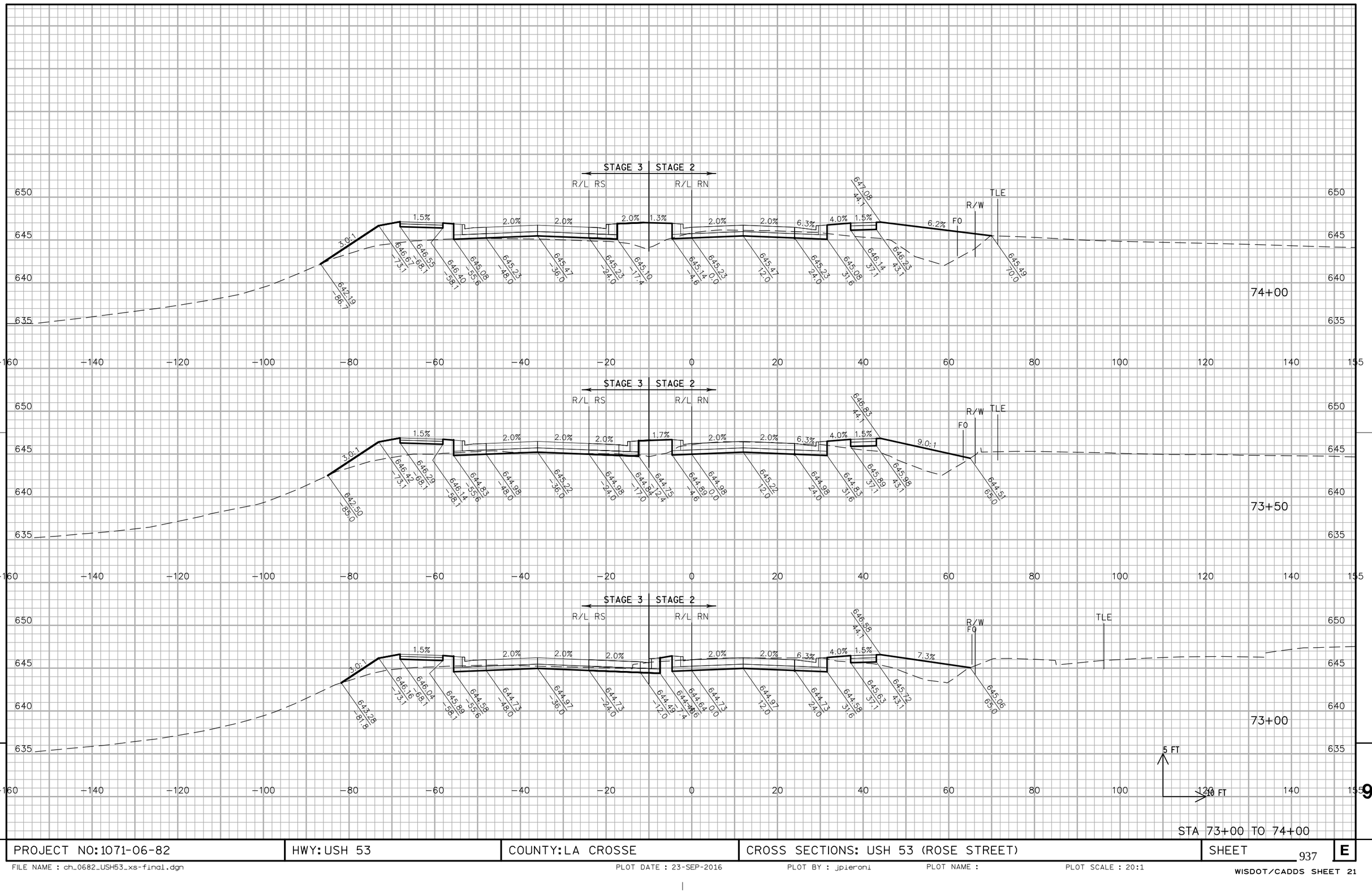
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 935	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STA 71+50 TO 72+50

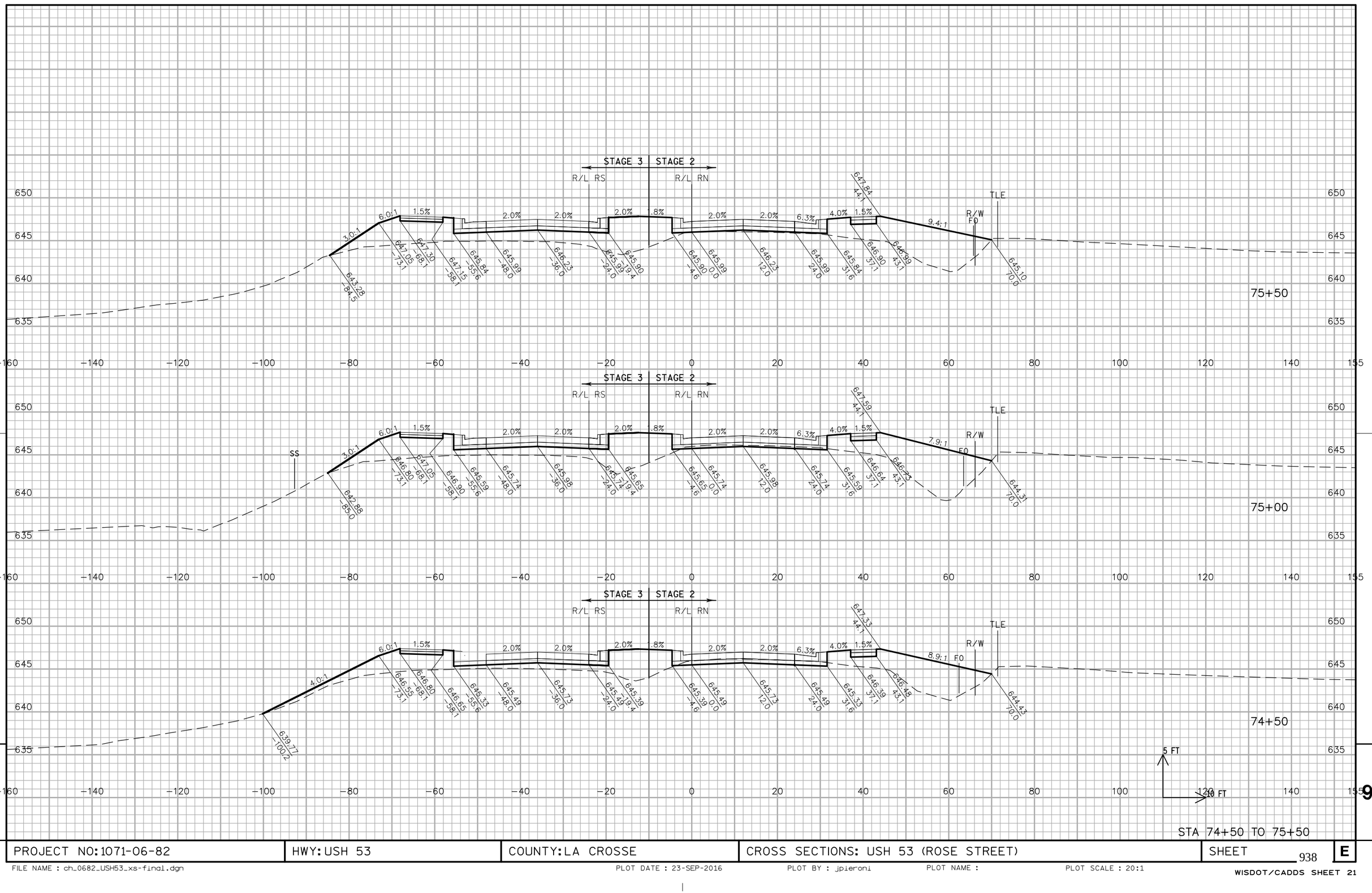
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 936	E



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 937	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

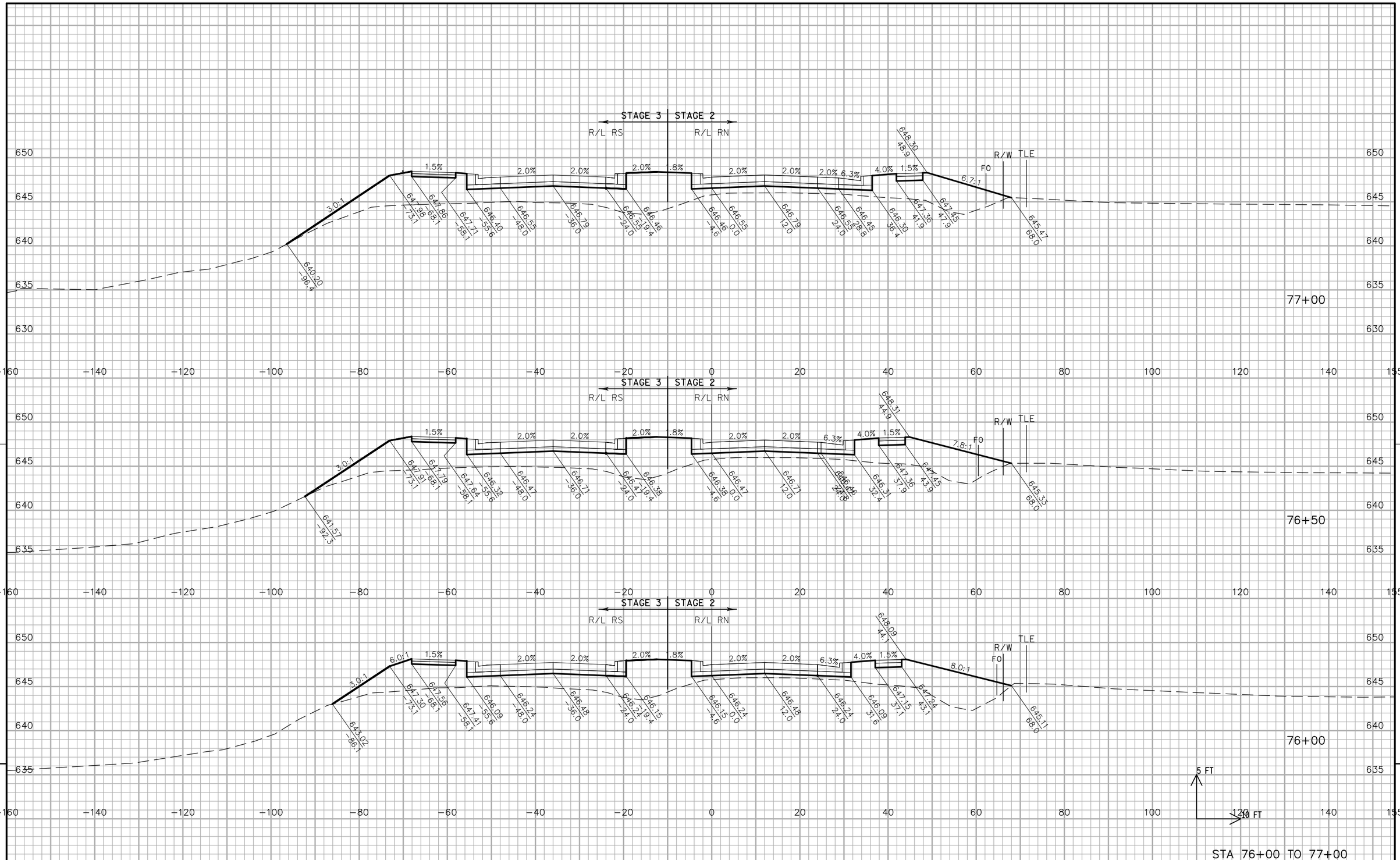
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 938	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

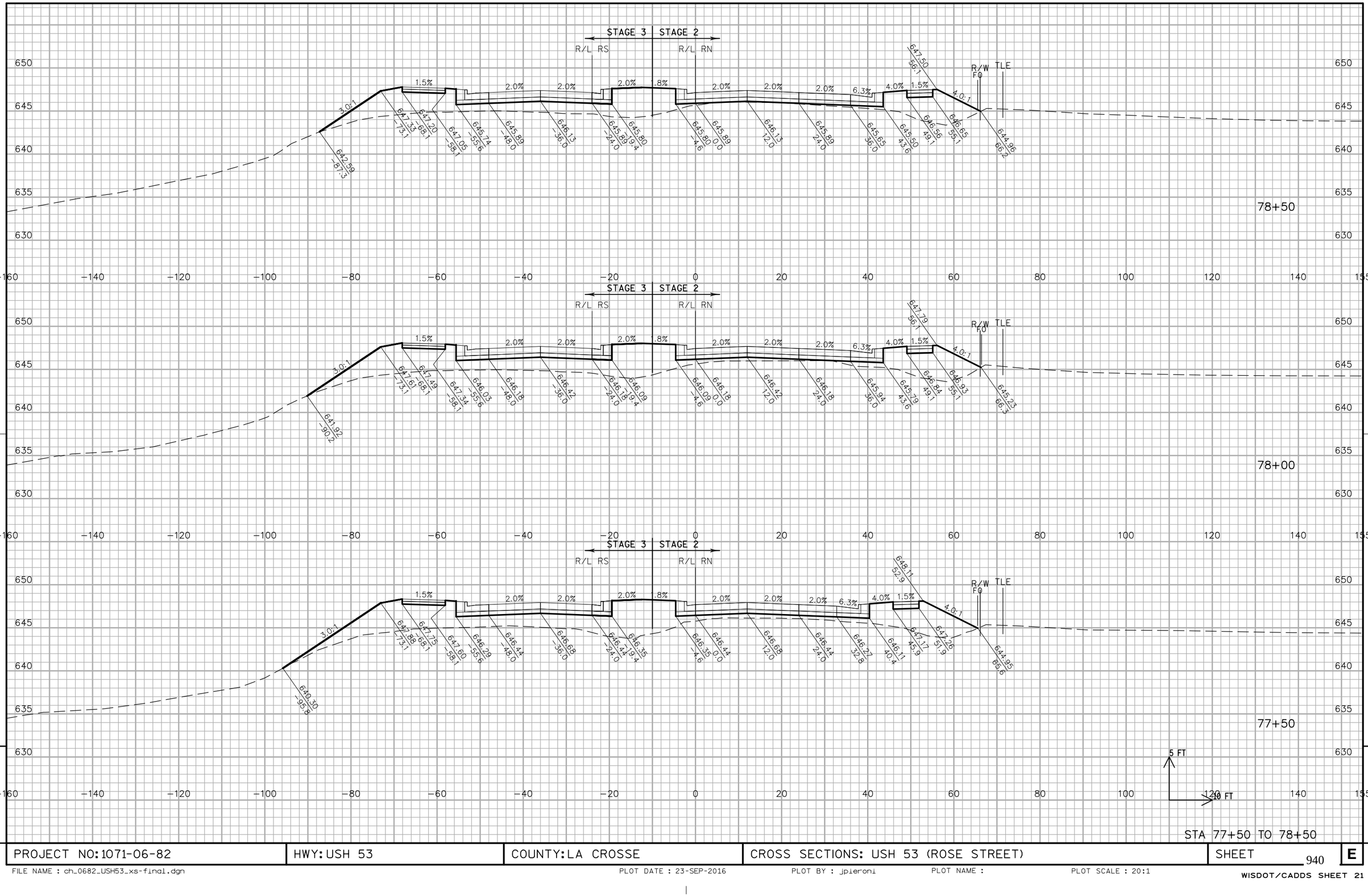
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 939	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

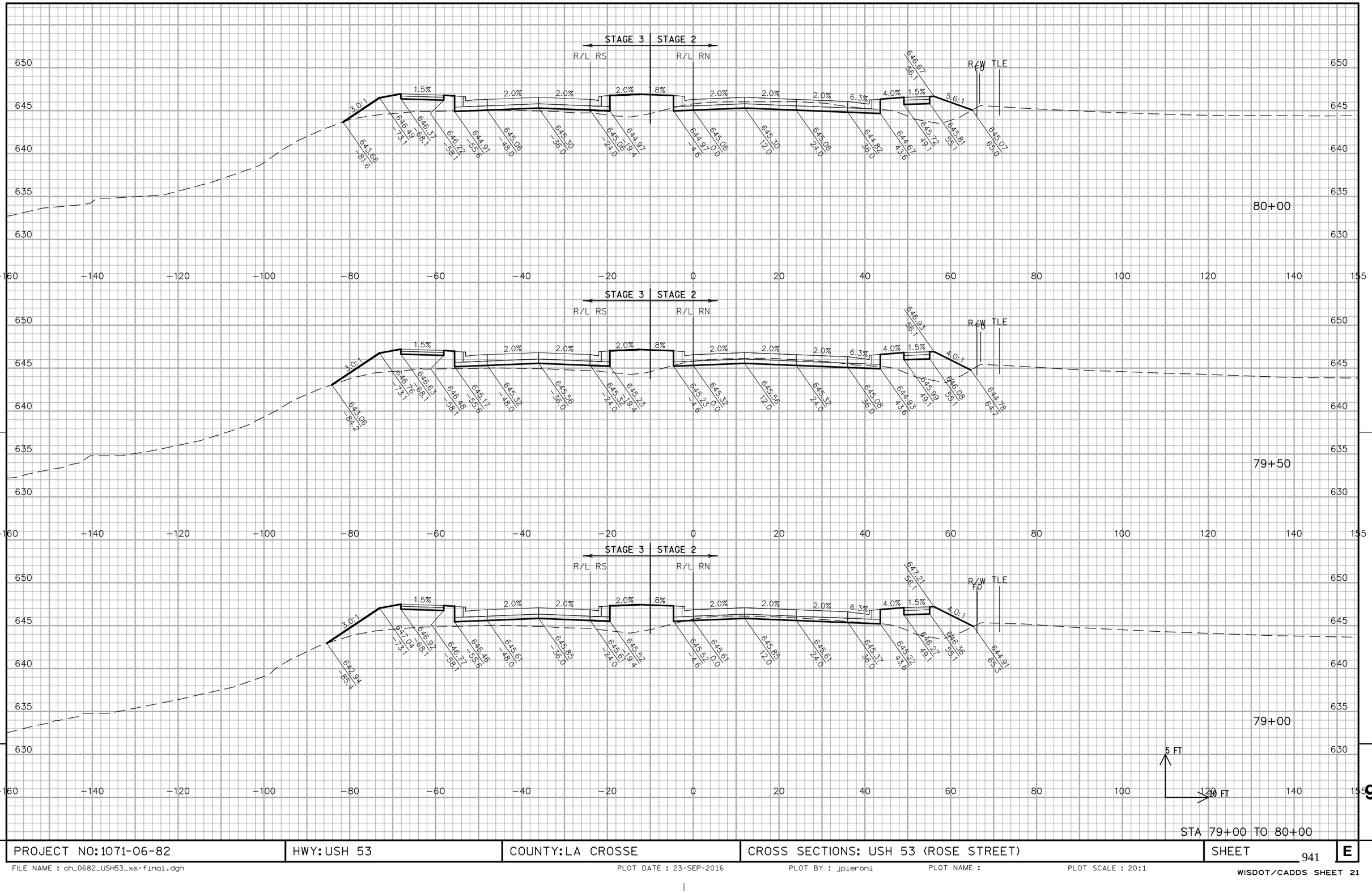


STA 77+50 TO 78+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 940	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

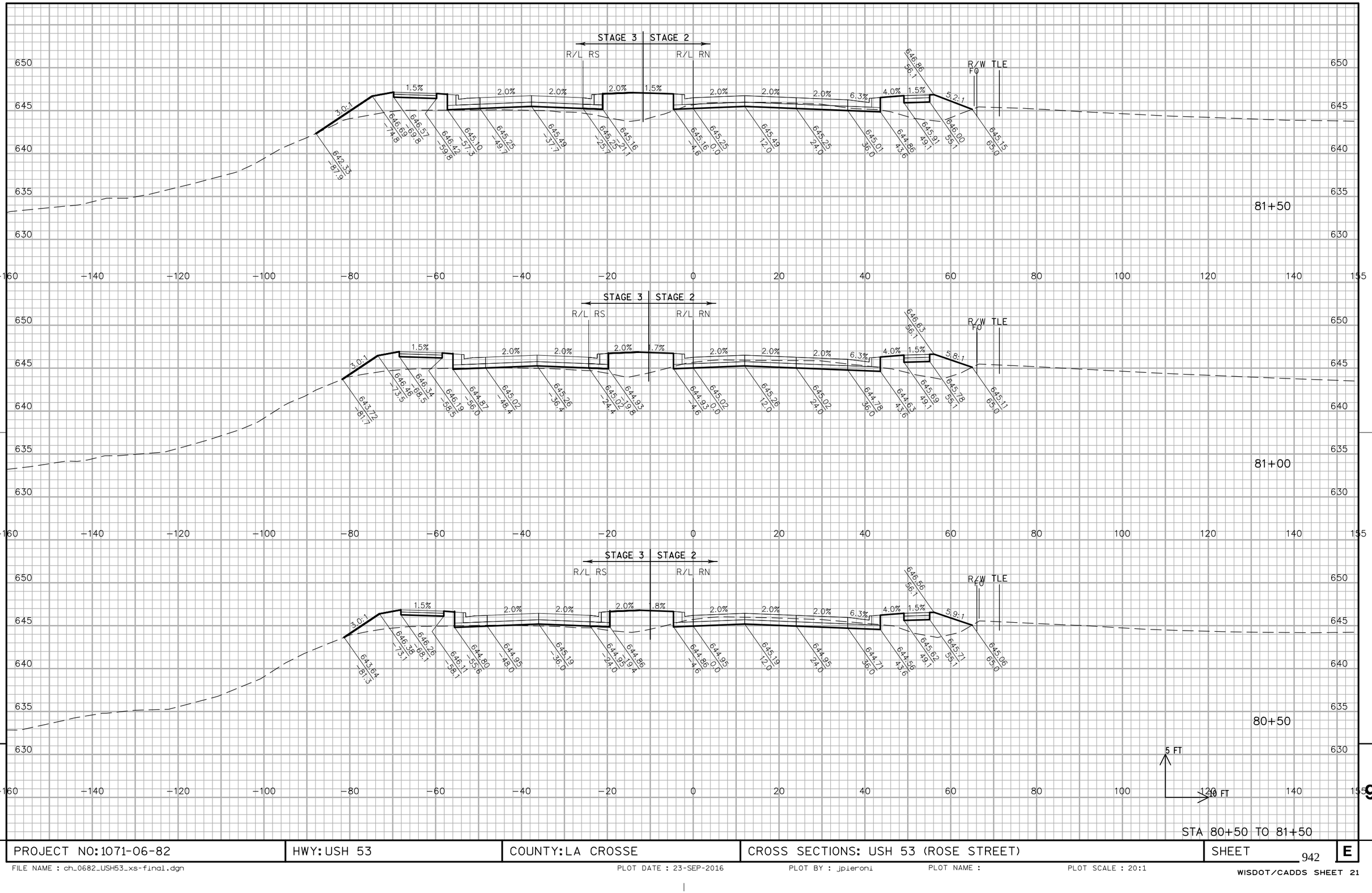


STA 79+00 TO 80+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 941	E

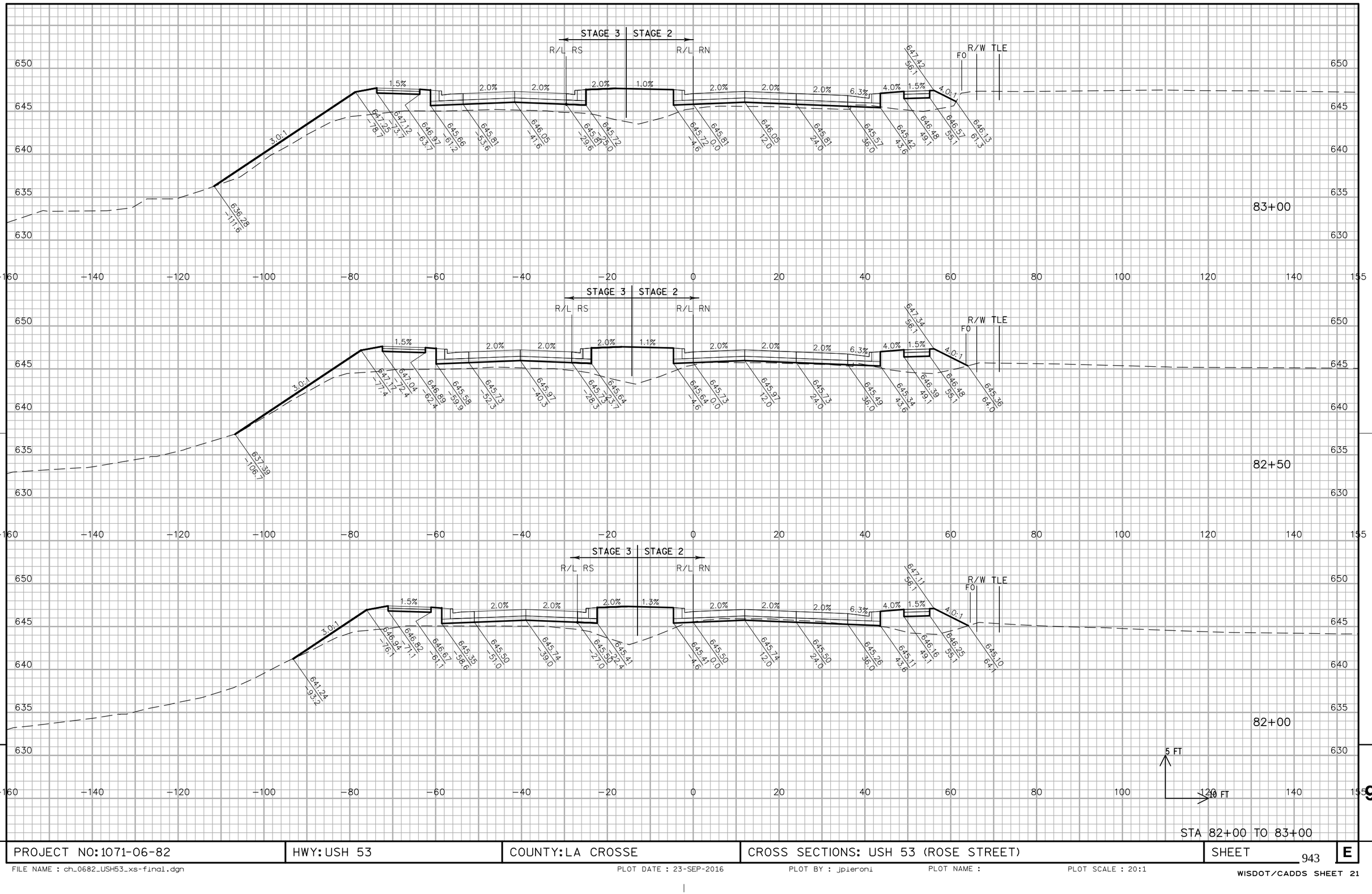
FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 942	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

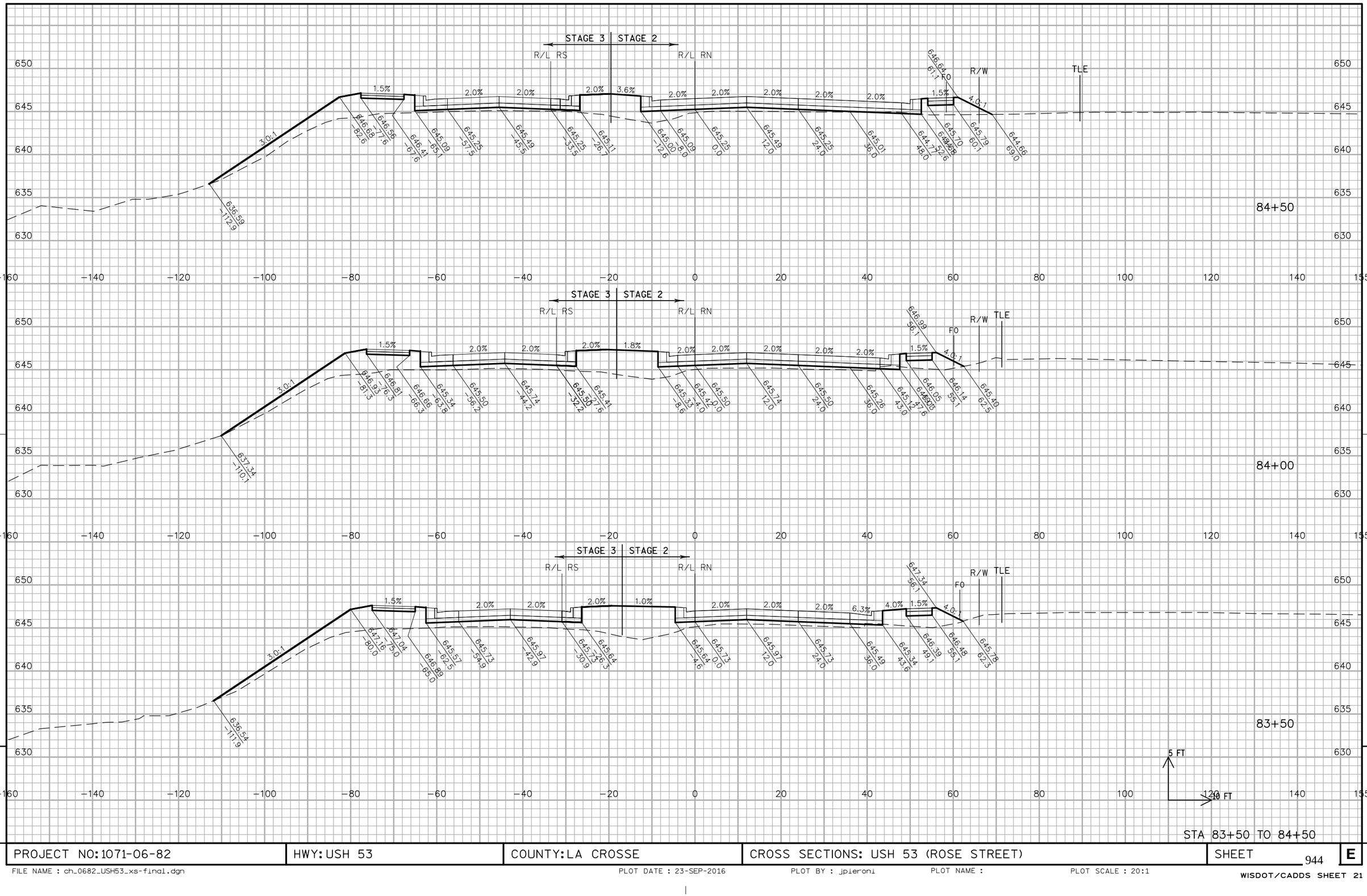


STA 82+00 TO 83+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 943	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

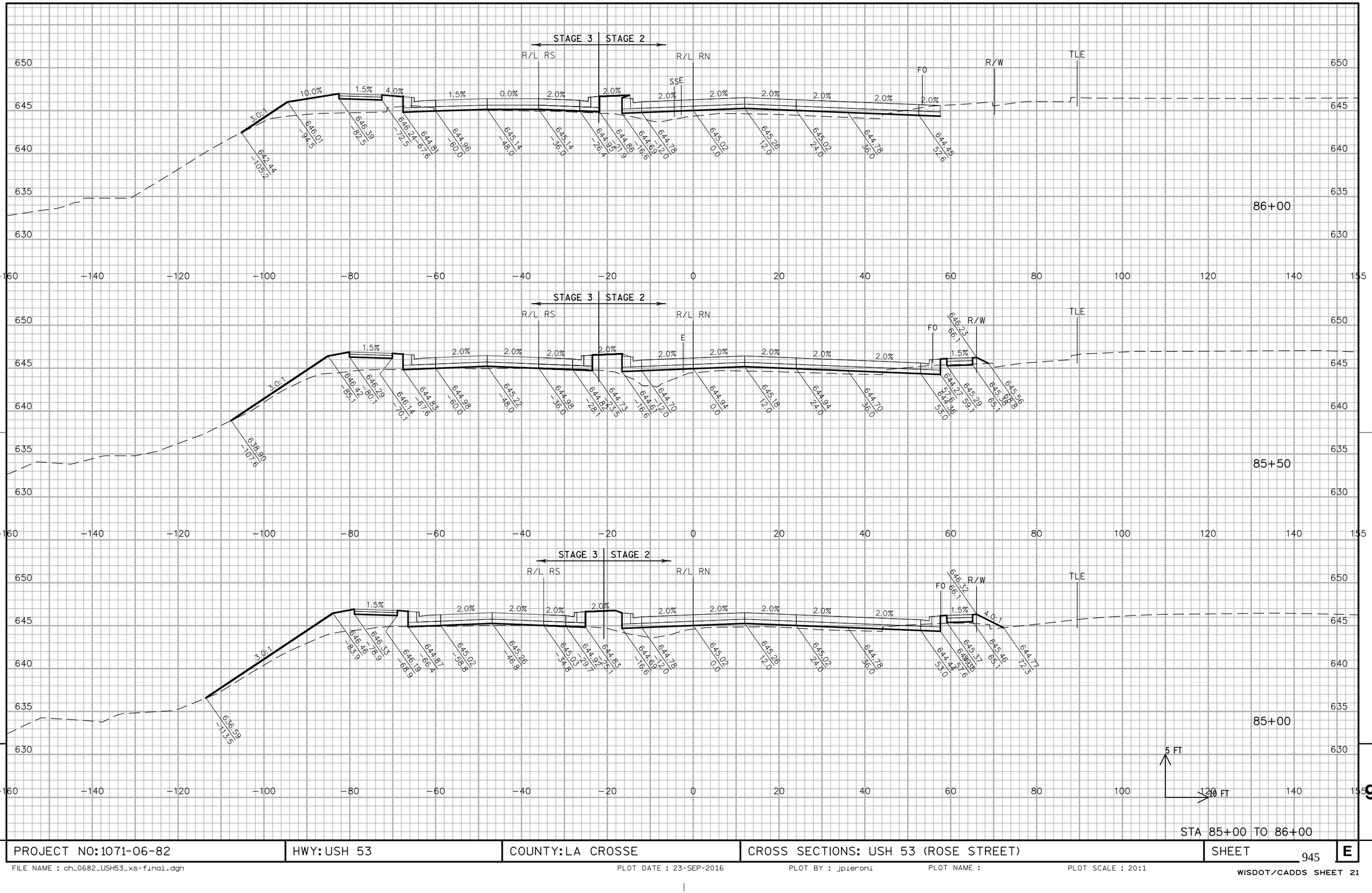
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 944	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

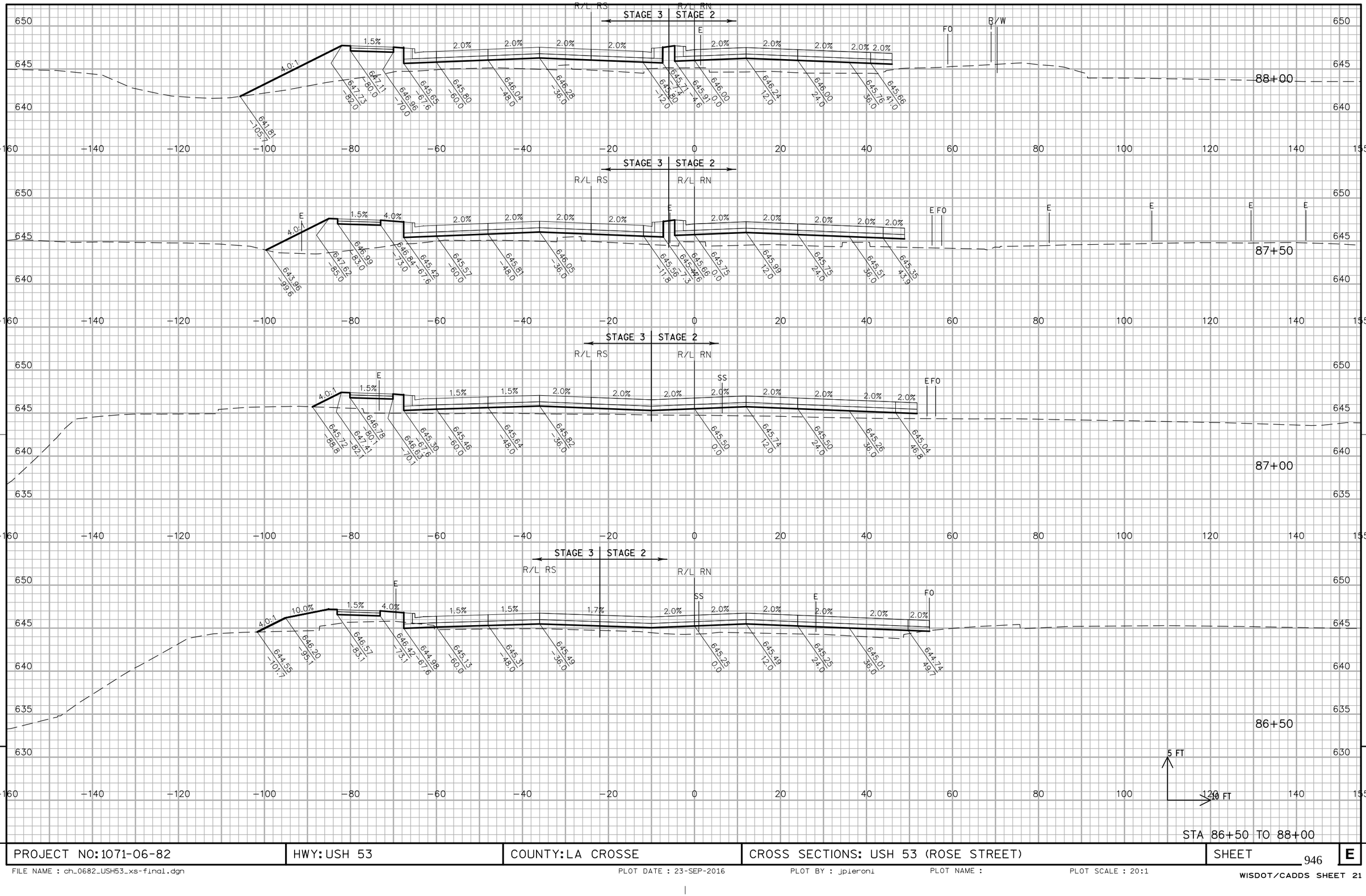
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 945	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

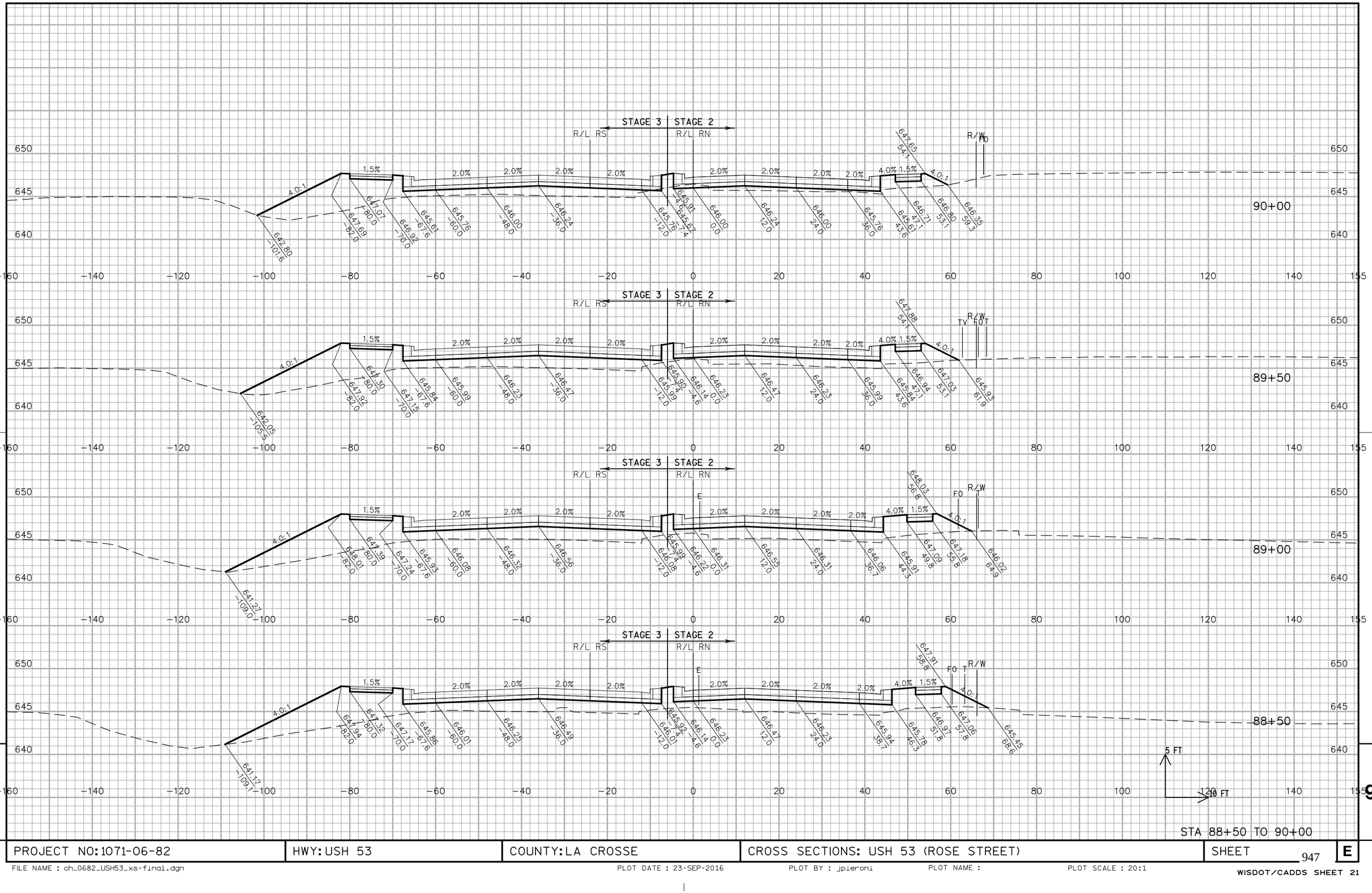
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 946	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

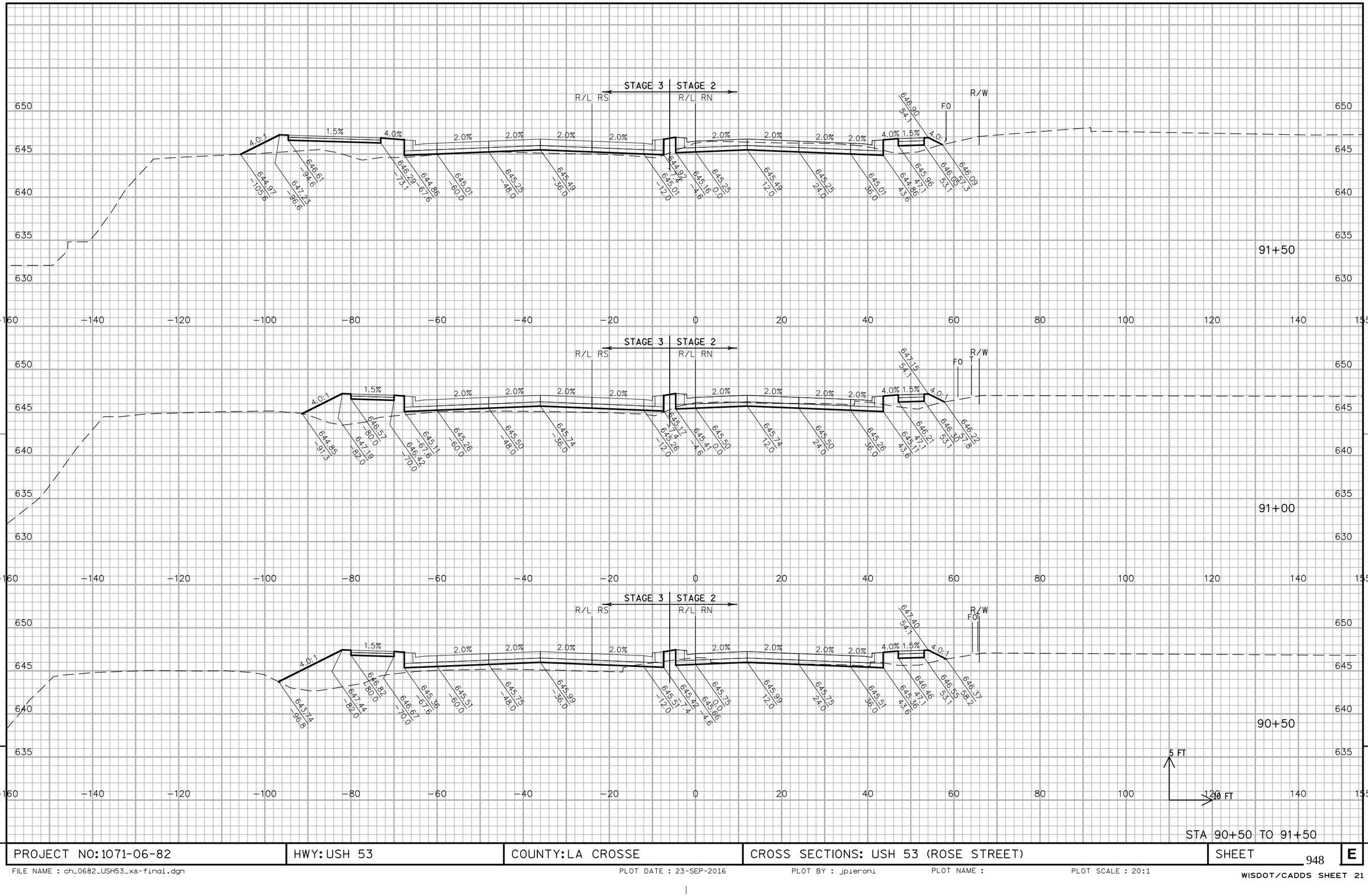


STA 88+50 TO 90+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 947	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

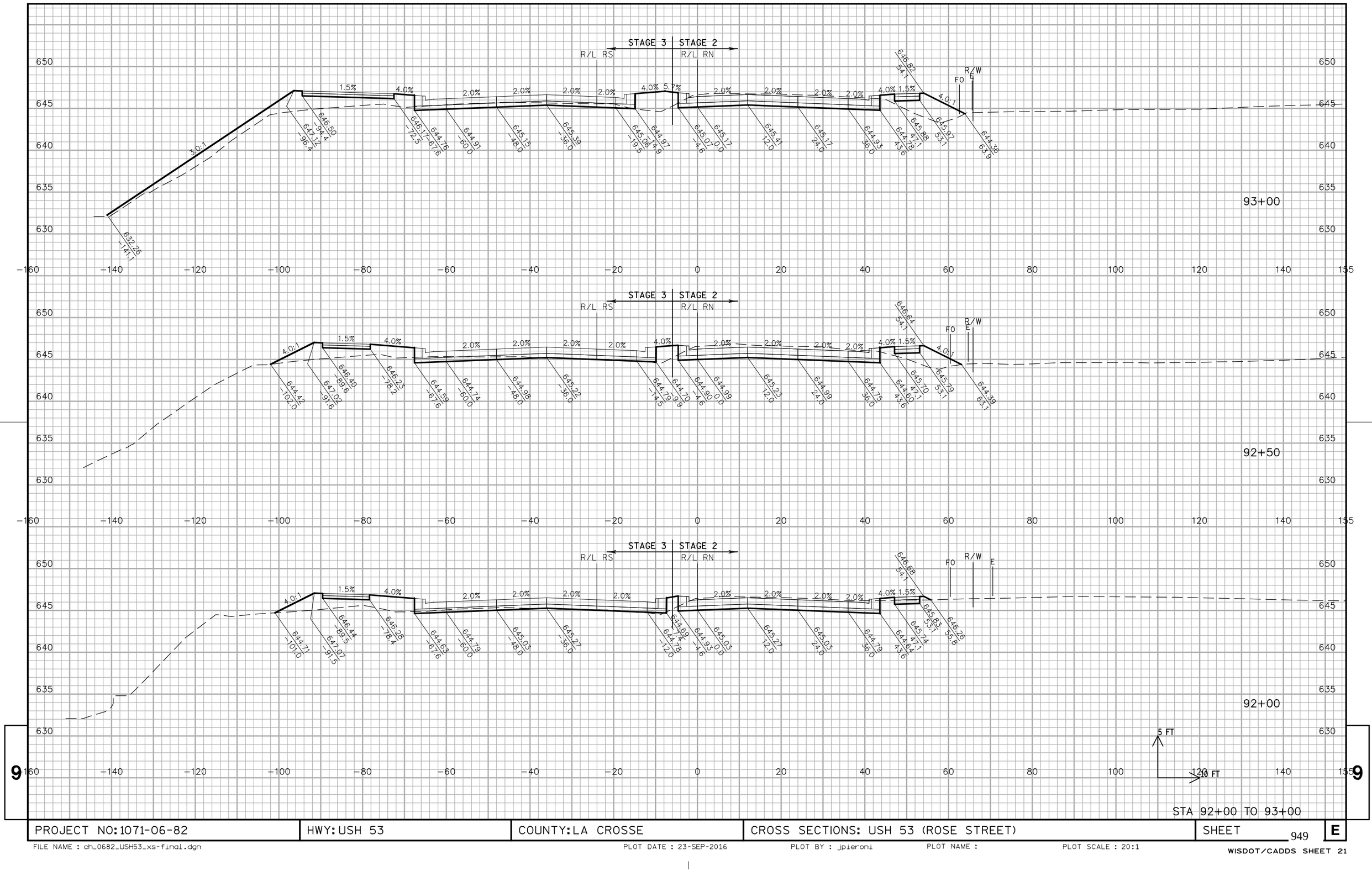
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 948	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

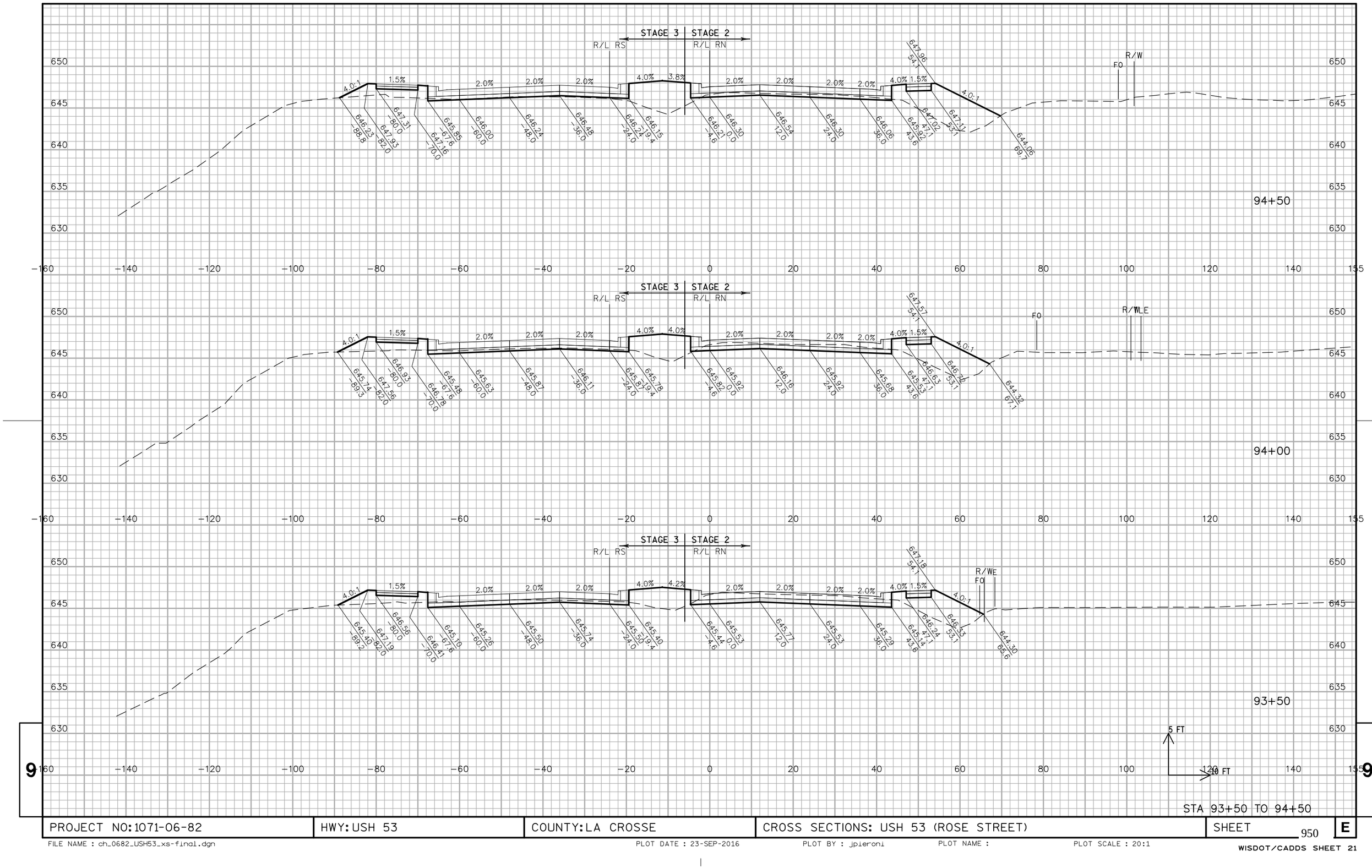


STA 92+00 TO 93+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 949	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

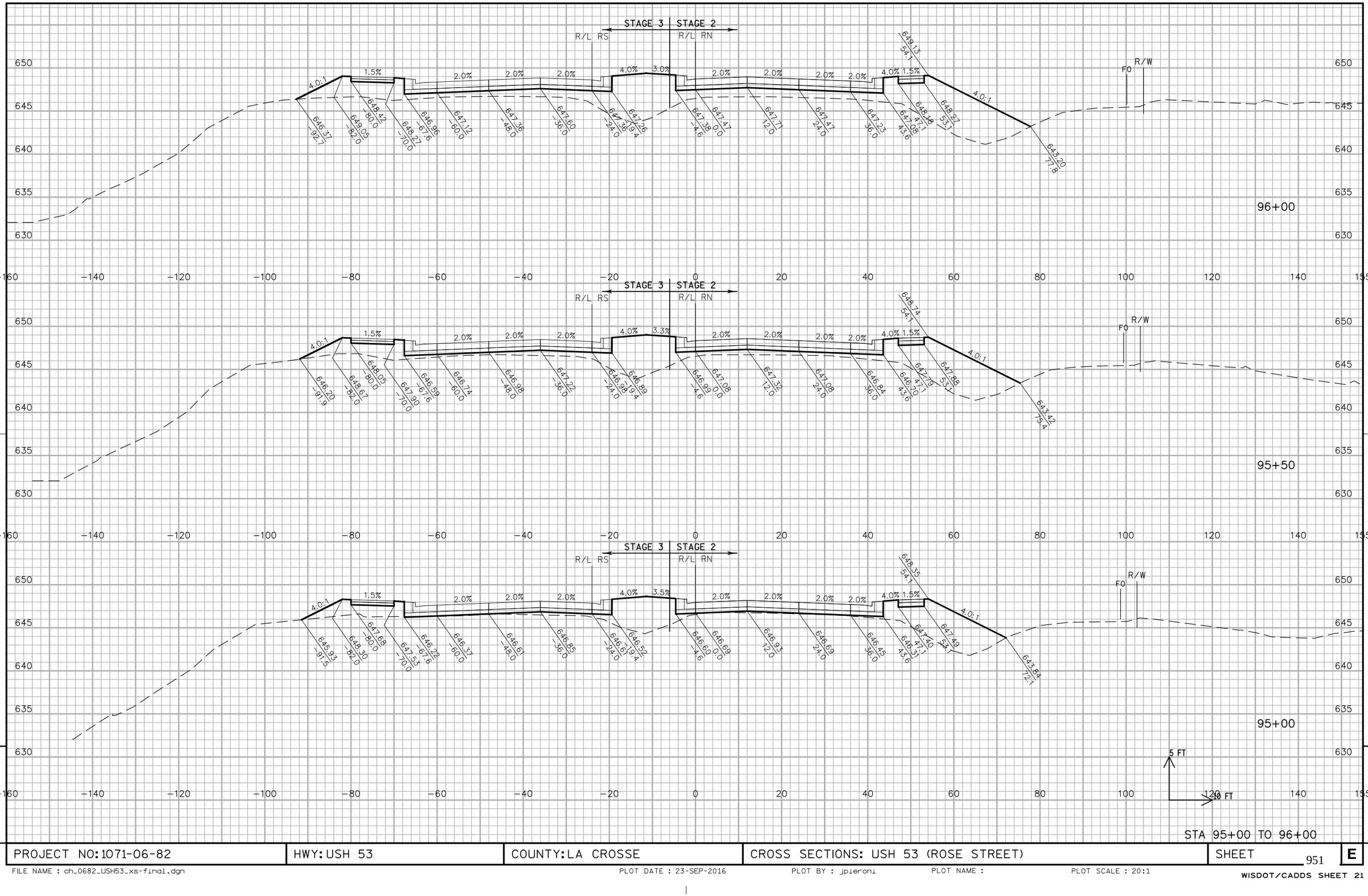


STA 93+50 TO 94+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 950	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

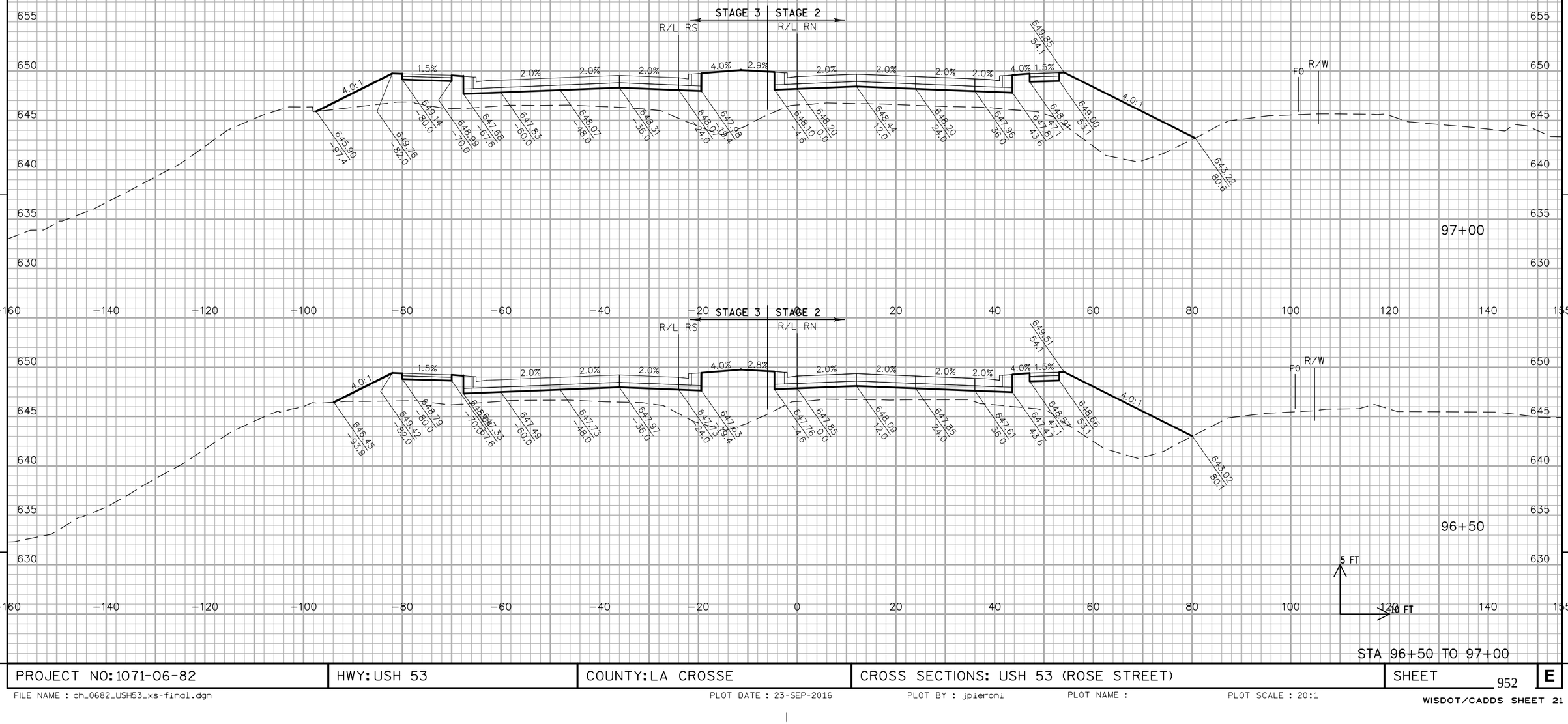


STA 95+00 TO 96+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 951	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

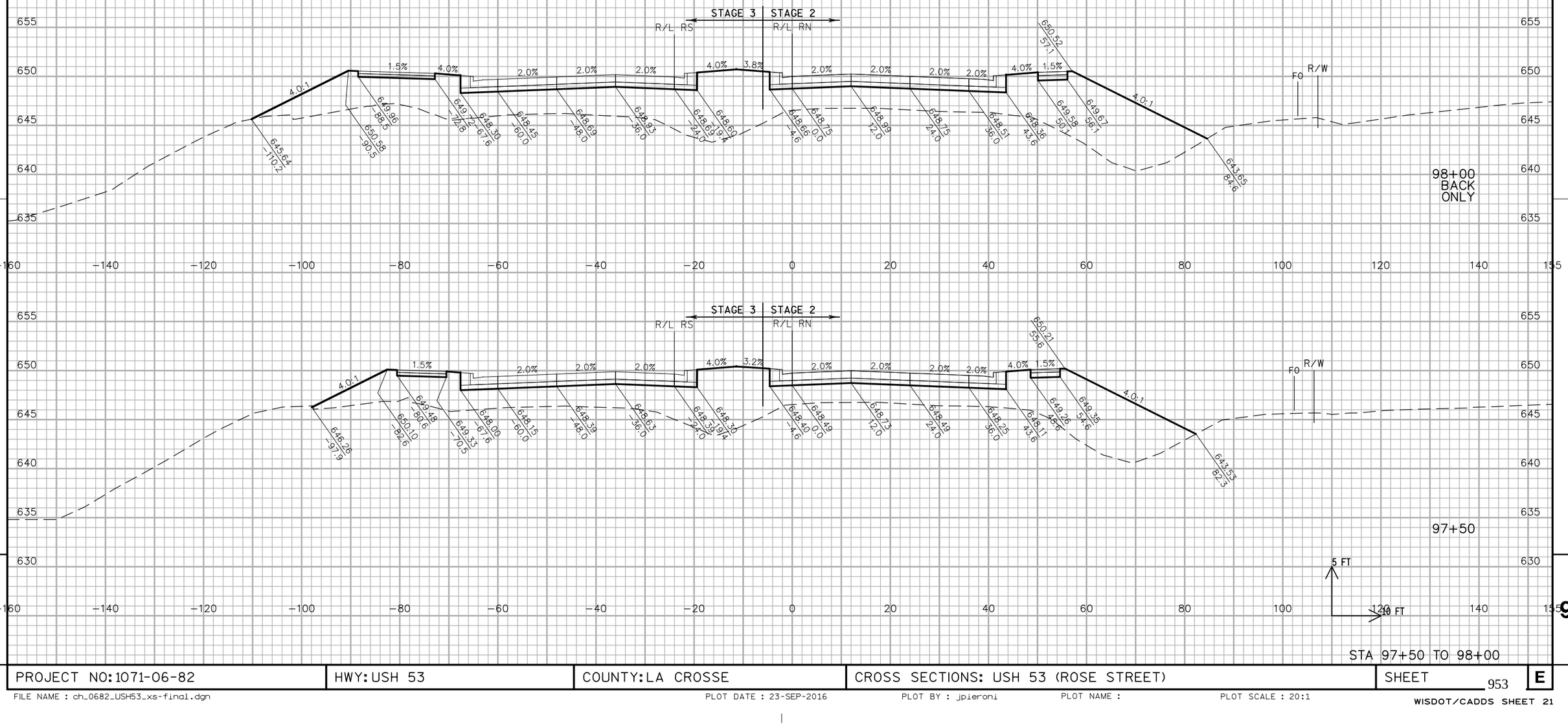


STA 96+50 TO 97+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 952	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

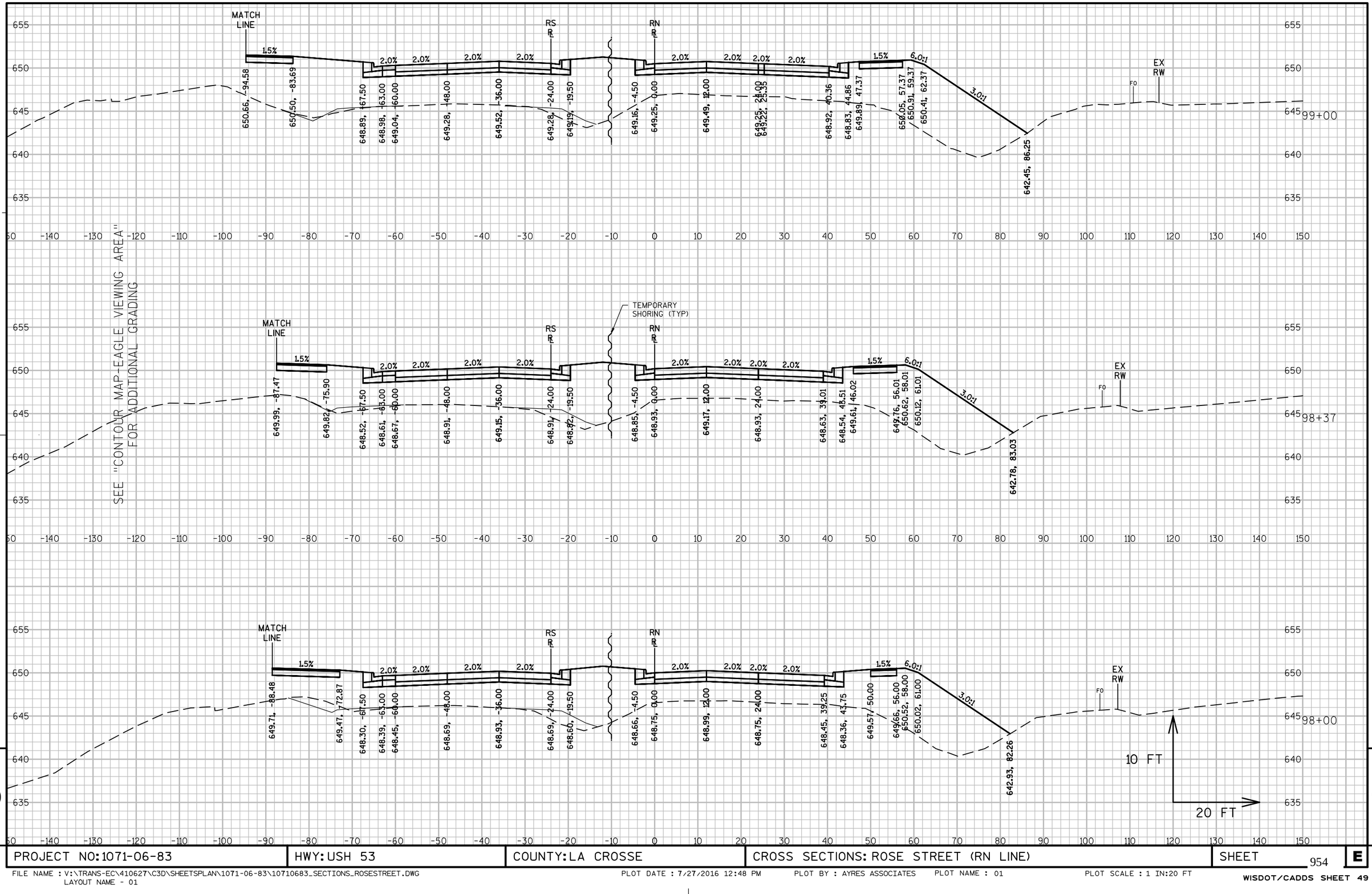
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: USH 53 (ROSE STREET)	SHEET 953	E

FILE NAME : ch_0682_USH53_xs-final.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

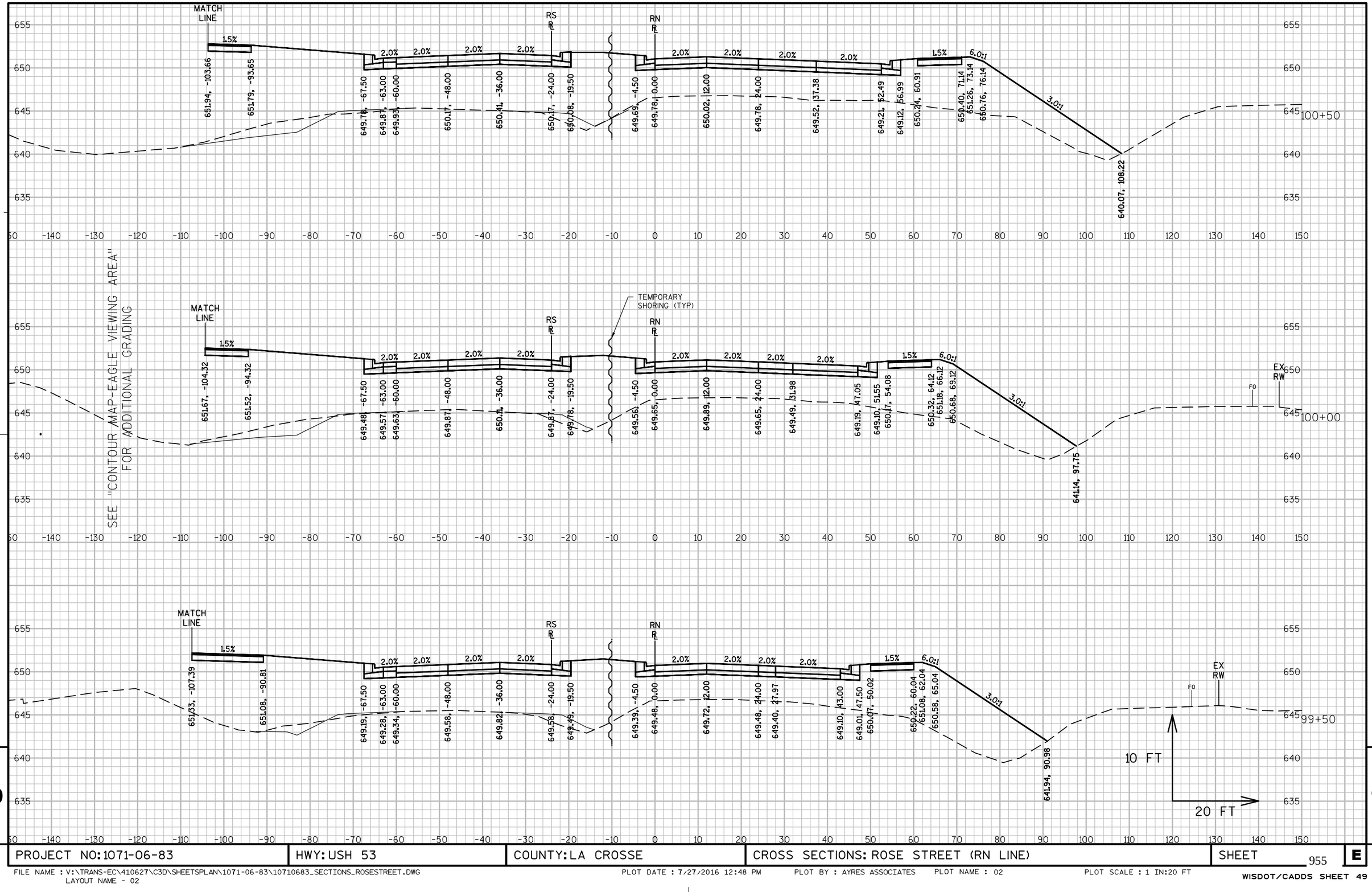


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 954	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 01

PLOT DATE : 7/27/2016 12:48 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 01 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

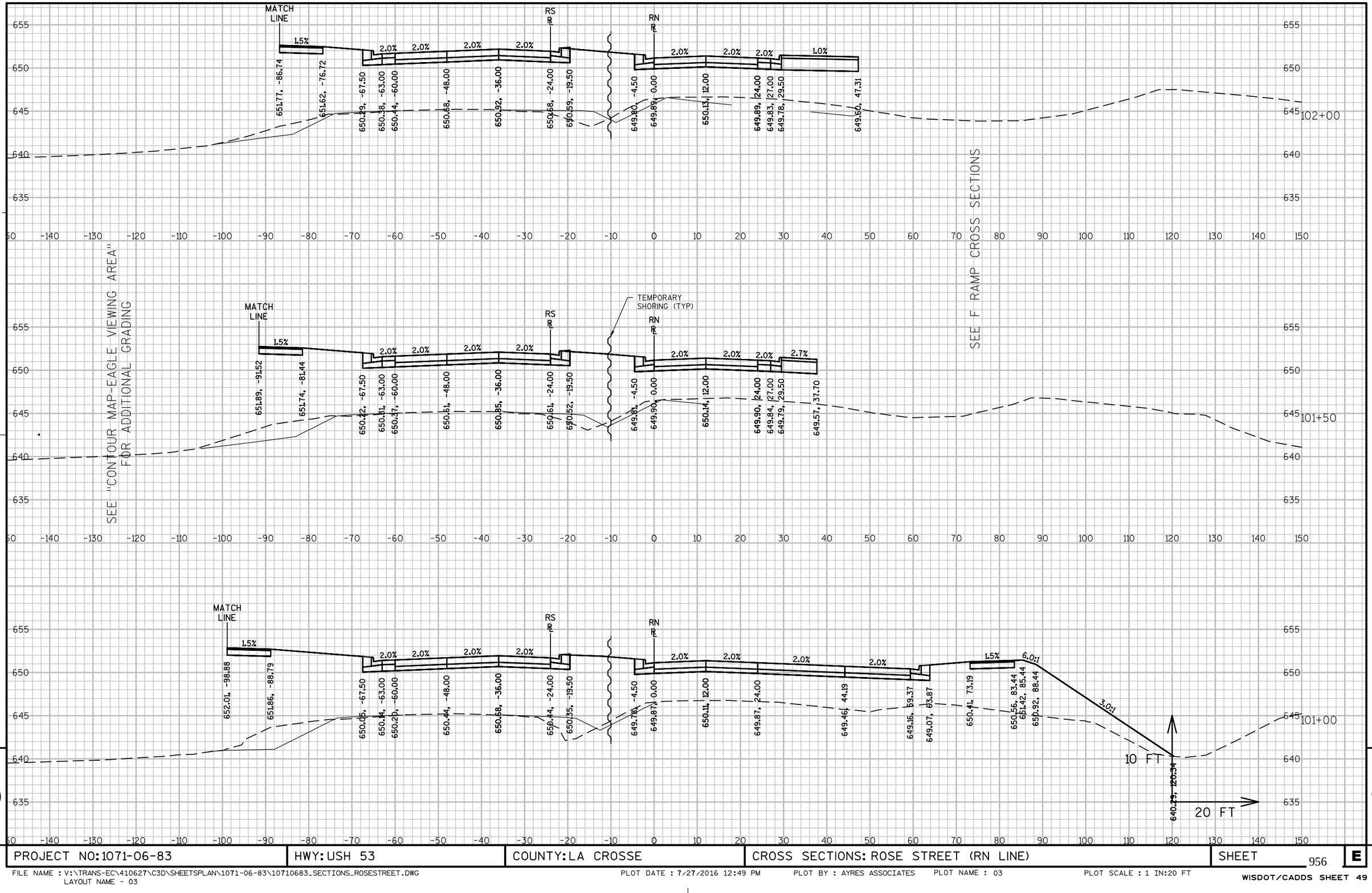


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 955 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 02

PLOT DATE : 7/27/2016 12:48 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 02 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

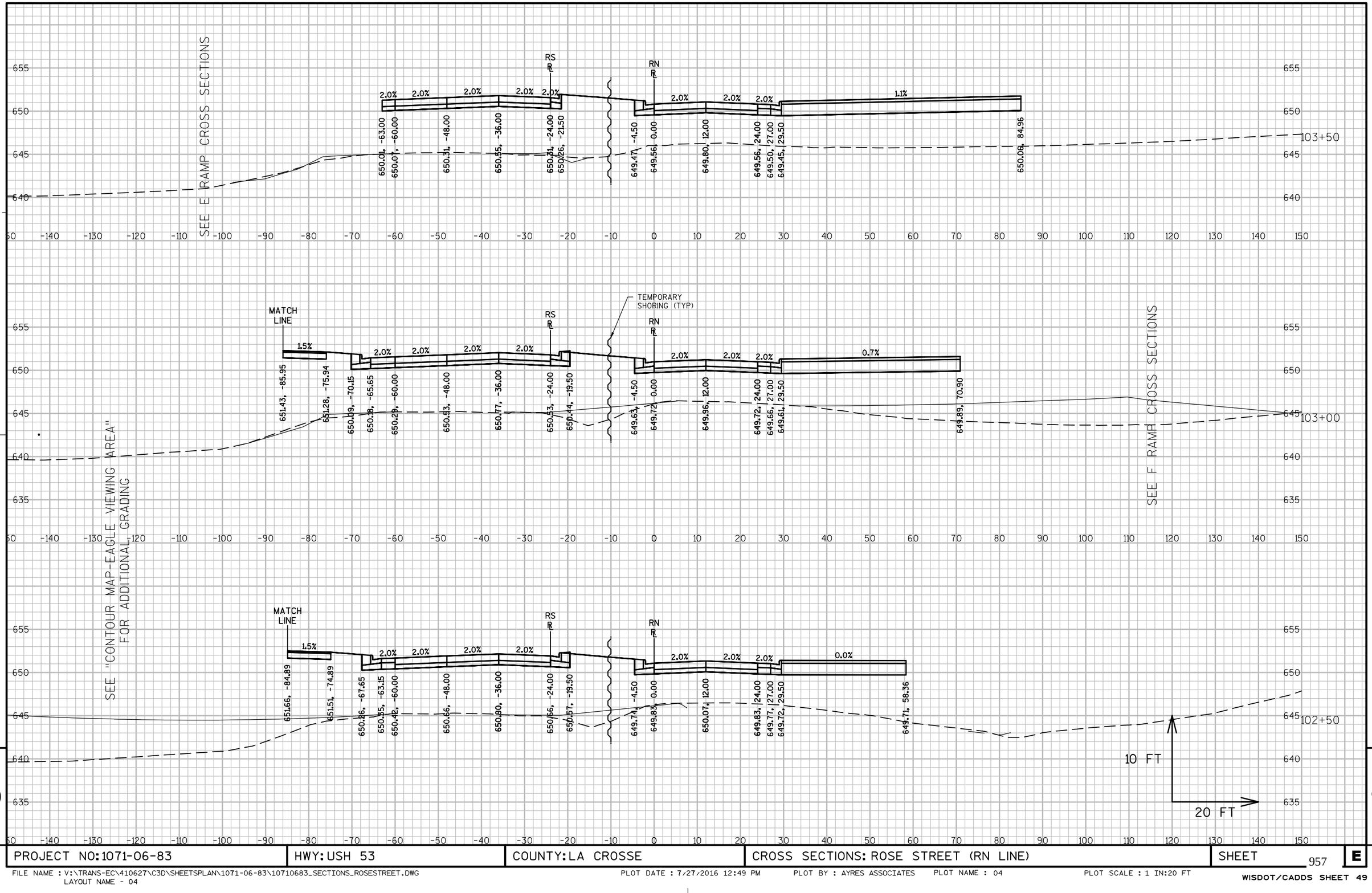


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 956 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 03

PLOT DATE : 7/27/2016 12:49 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 03 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

9

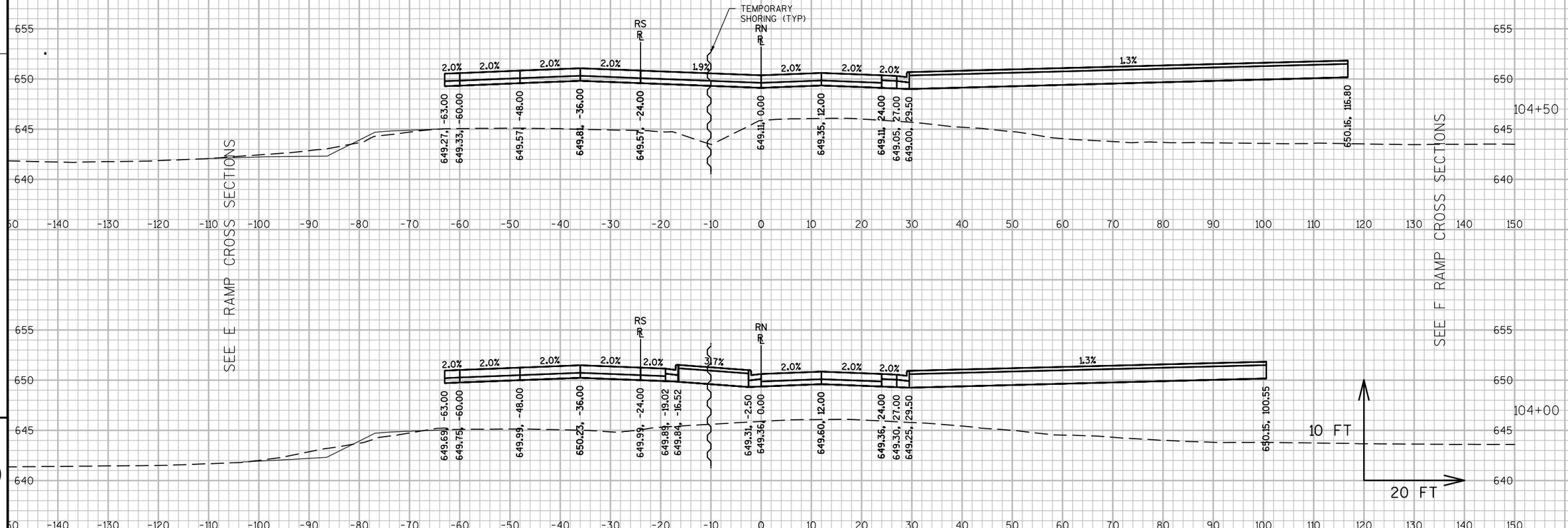
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 957	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 04

PLOT DATE : 7/27/2016 12:49 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 04 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49





9

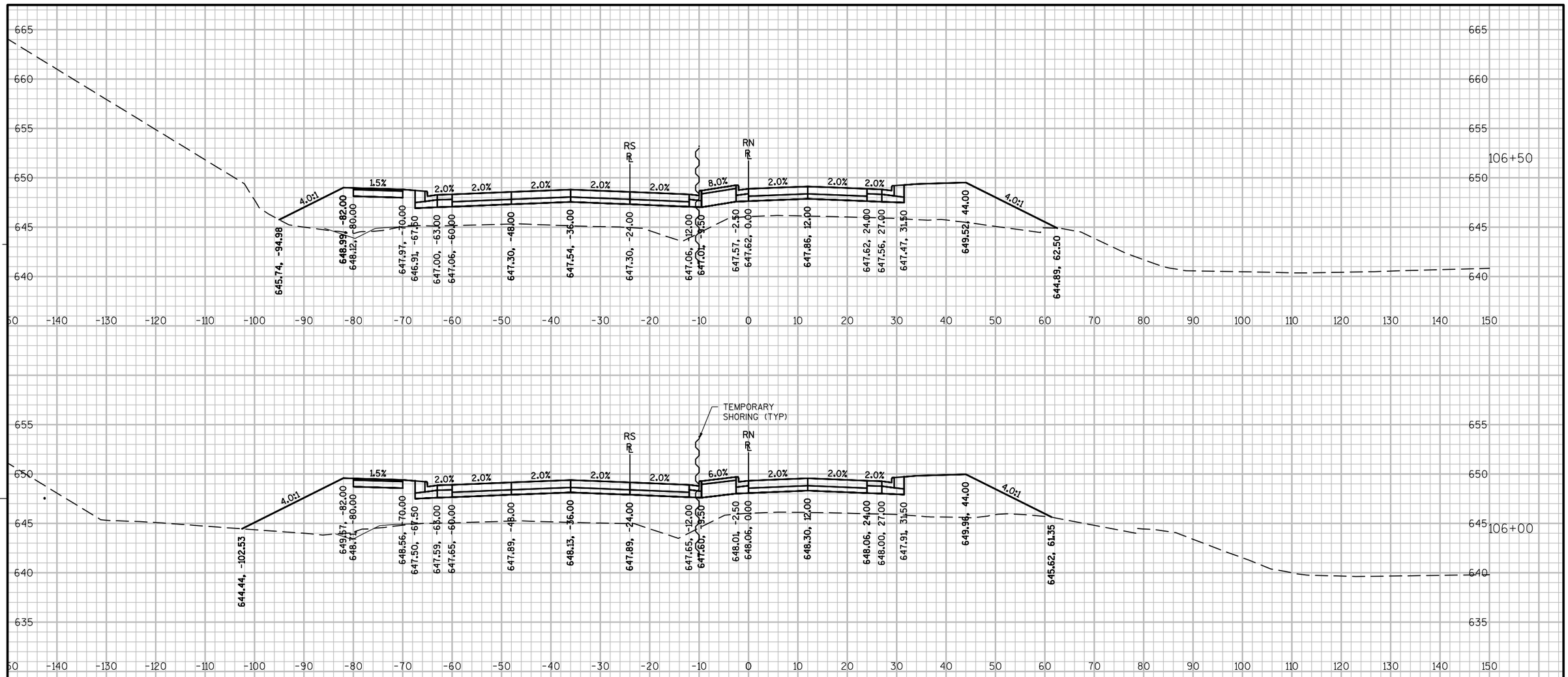
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 958	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 05

PLOT DATE : 7/27/2016 12:49 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 05 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

9

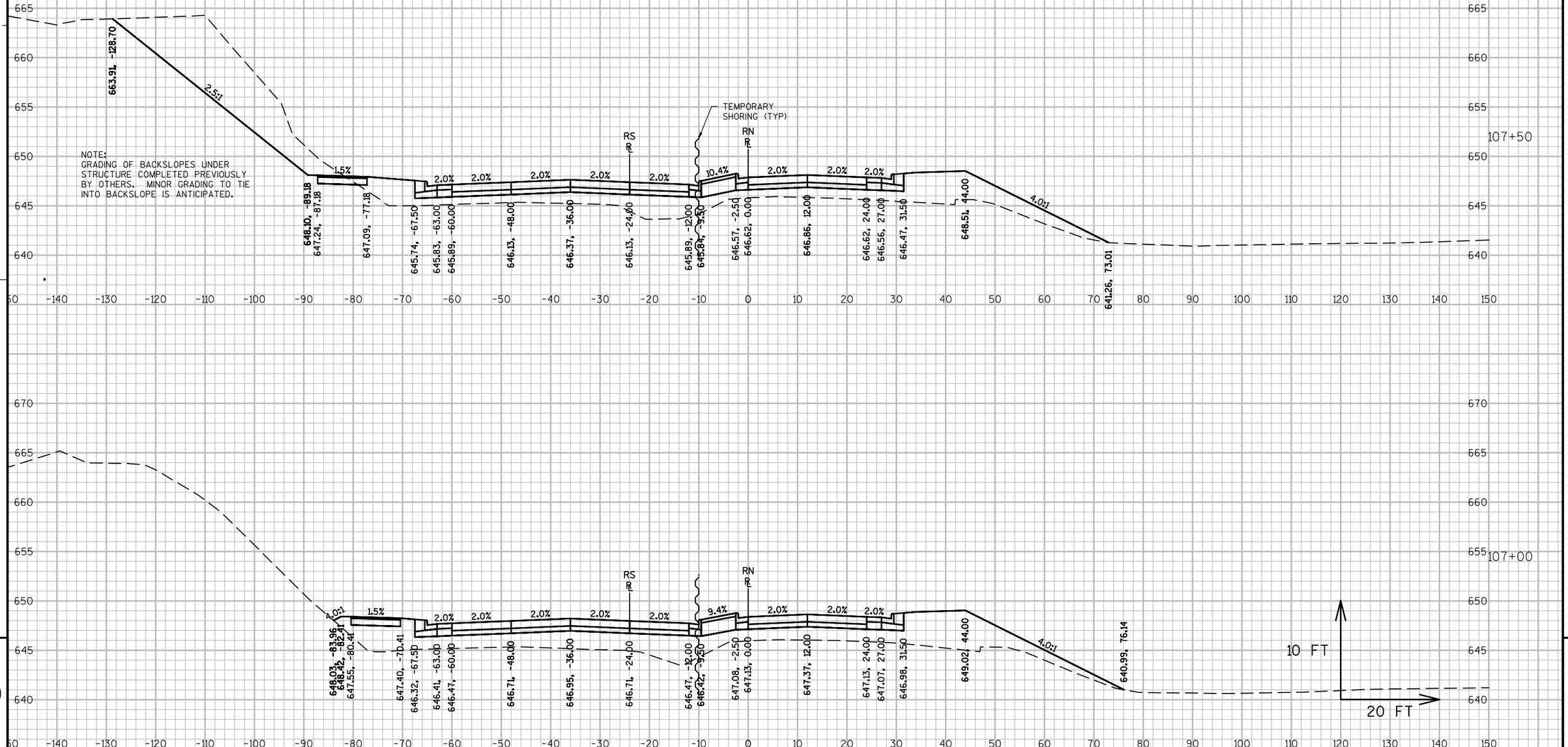
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 959	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 06

PLOT DATE : 7/27/2016 12:50 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 06 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

NOTE:
GRADING OF BACKSLOPES UNDER STRUCTURE COMPLETED PREVIOUSLY BY OTHERS. MINOR GRADING TO TIE INTO BACKSLOPE IS ANTICIPATED.

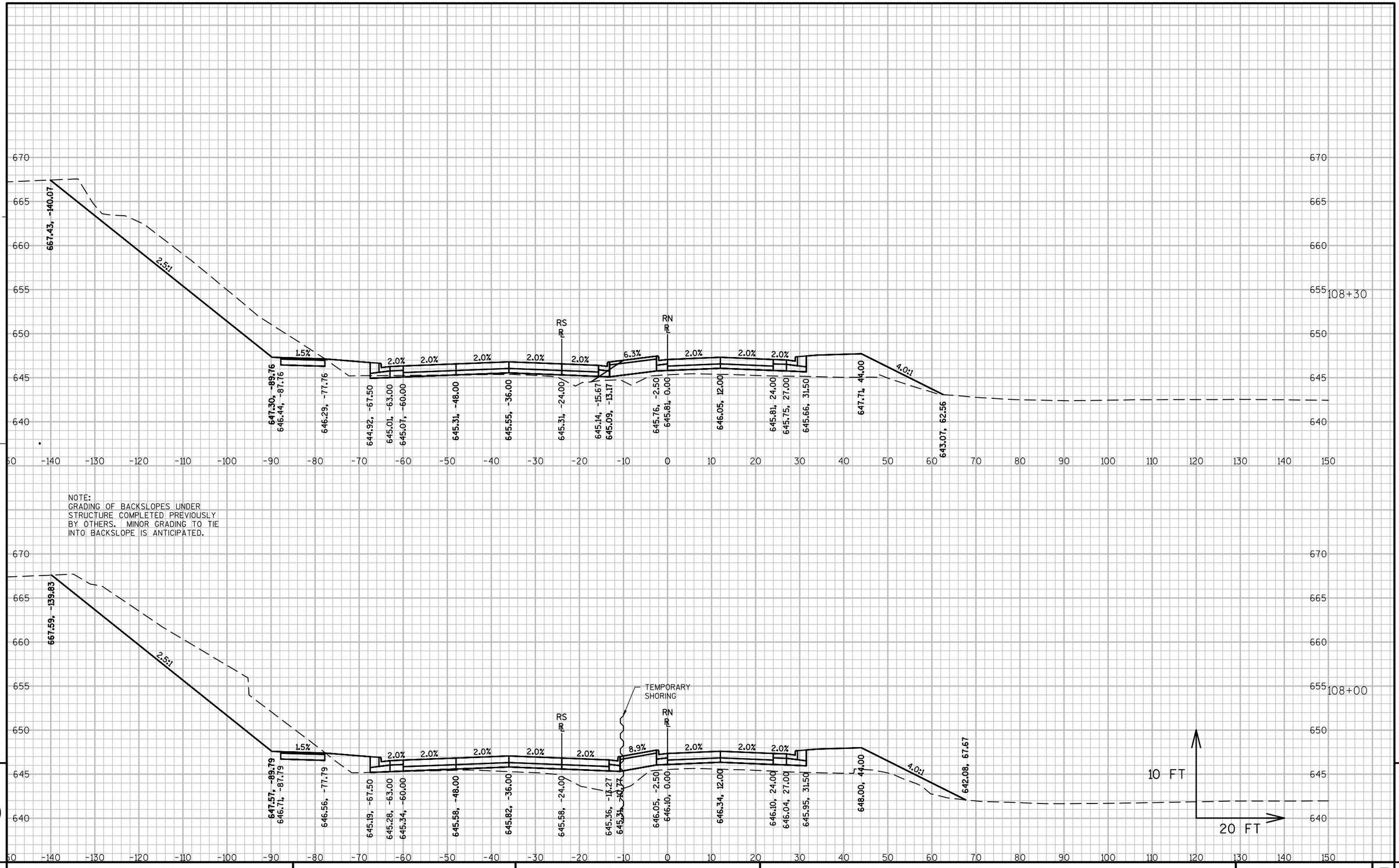


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 960 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 07

PLOT DATE : 7/27/2016 12:50 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 07 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

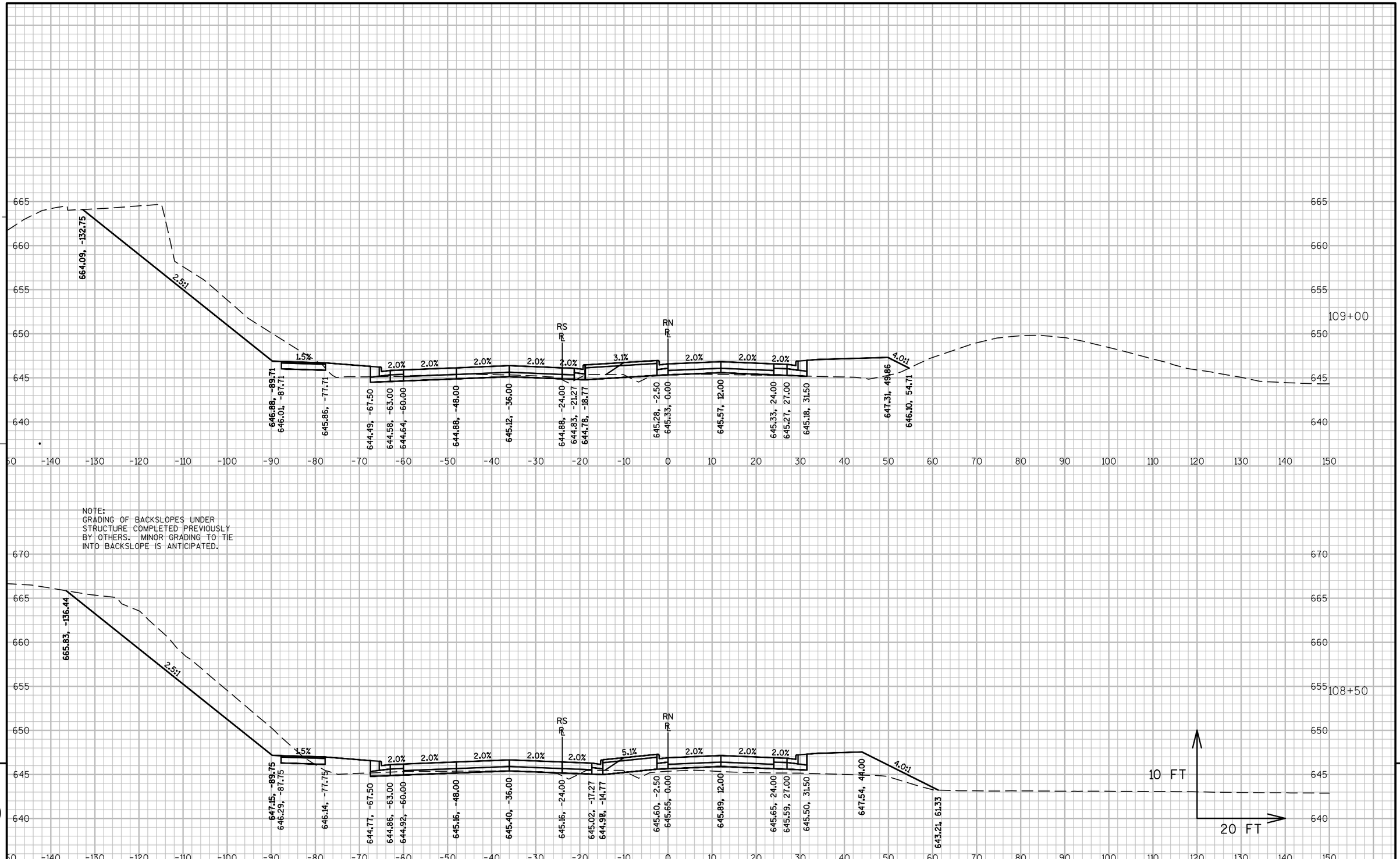
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 961	E

9

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 08

PLOT DATE : 7/27/2016 12:51 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 08 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

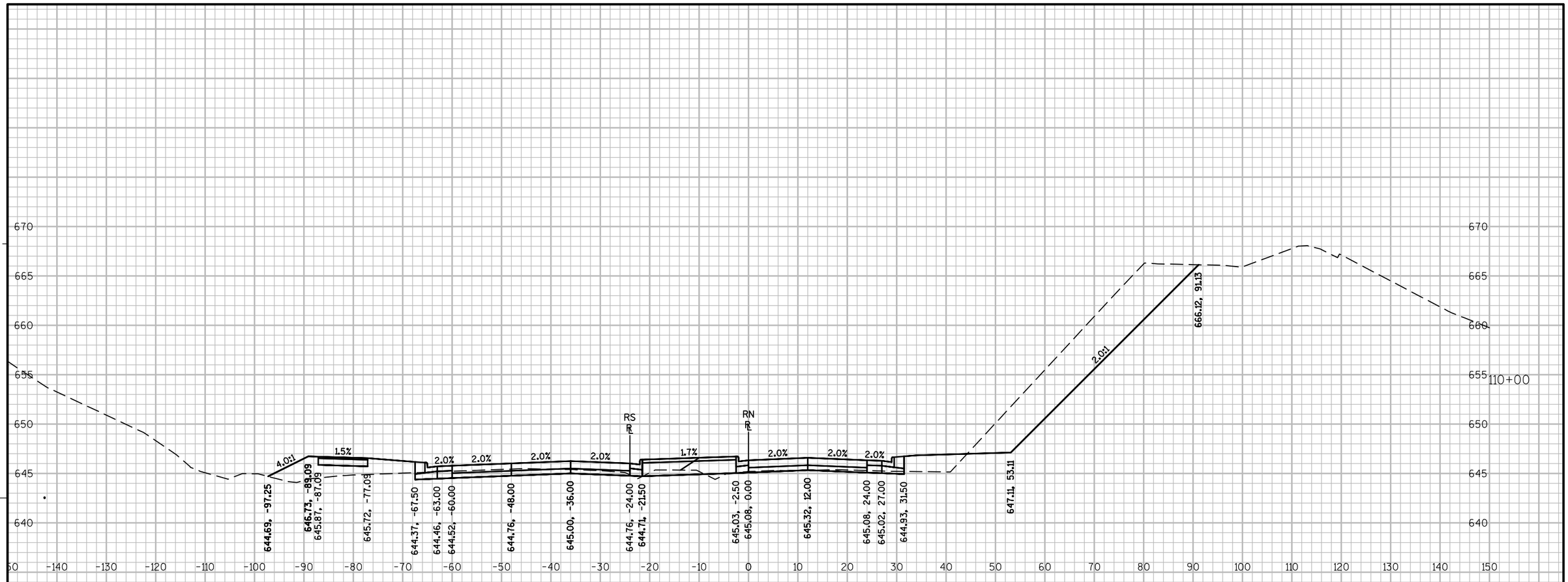


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 962	E

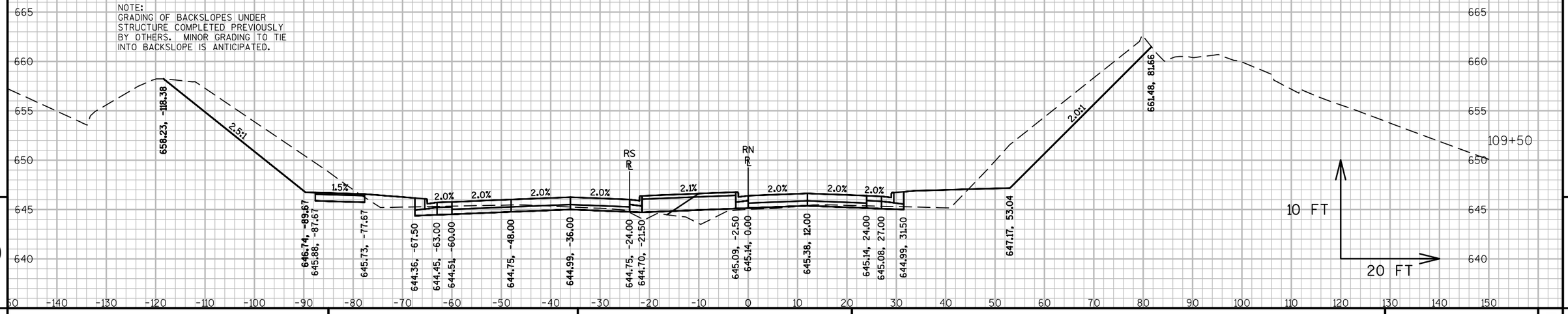
FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 09

PLOT DATE : 7/27/2016 12:51 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 09 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



NOTE:
GRADING OF BACKSLOPES UNDER STRUCTURE COMPLETED PREVIOUSLY BY OTHERS. MINOR GRADING TO TIE INTO BACKSLOPE IS ANTICIPATED.



NOTE:
GRADING OF BACKSLOPES UNDER STRUCTURE COMPLETED PREVIOUSLY BY OTHERS. MINOR GRADING TO TIE INTO BACKSLOPE IS ANTICIPATED.

9

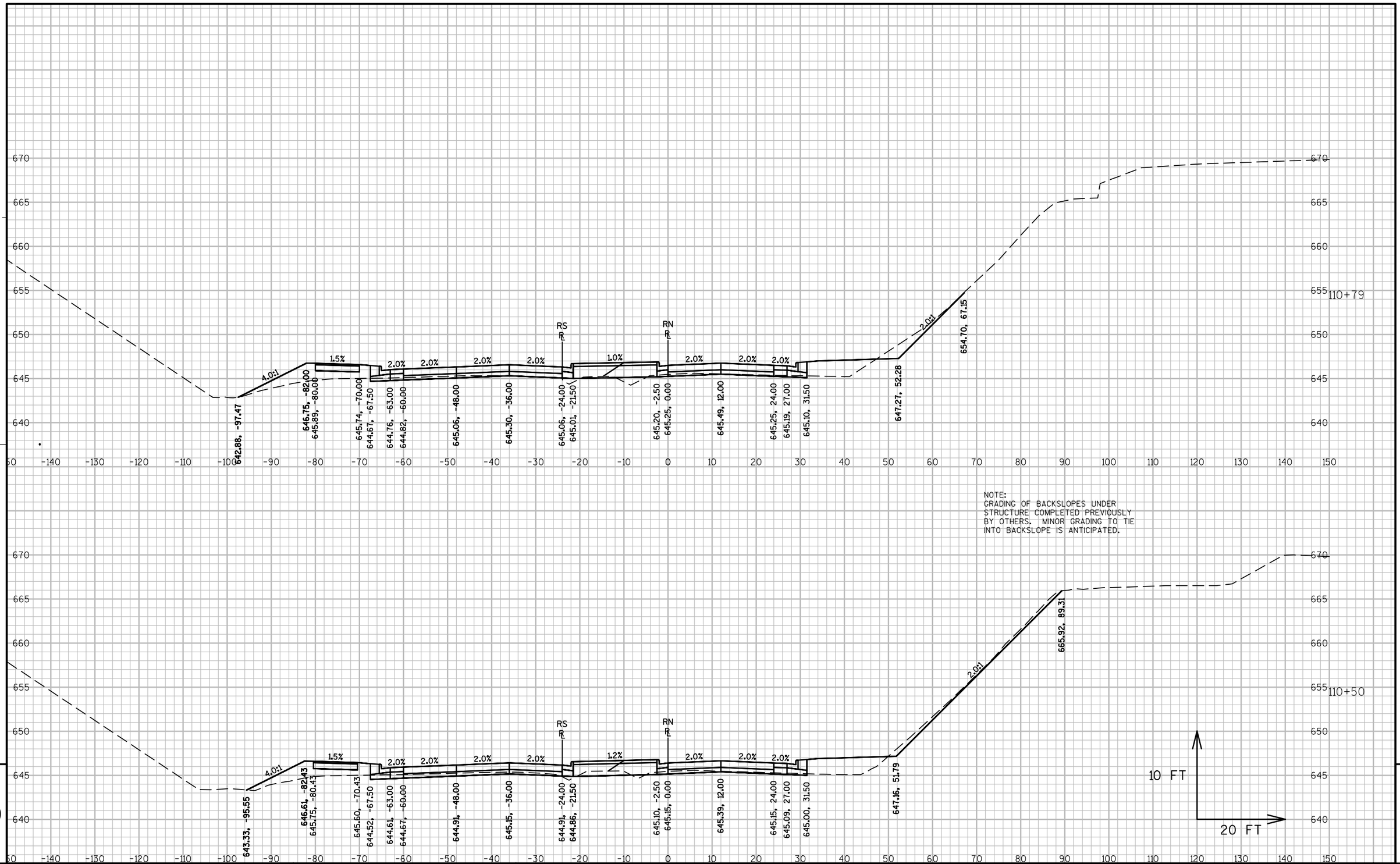
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 963	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 10

PLOT DATE : 7/27/2016 12:51 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 10 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

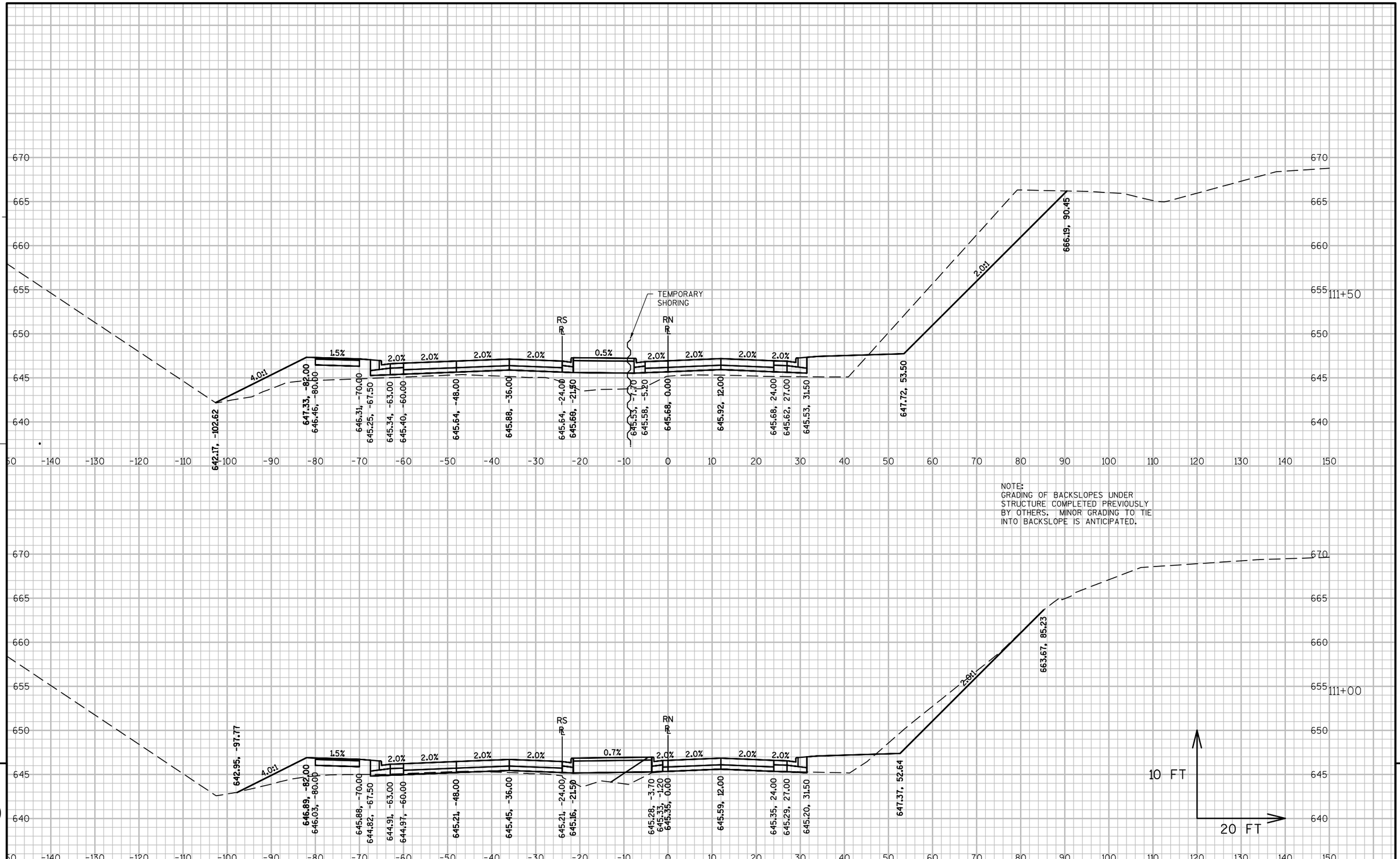


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 964	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 11

PLOT DATE : 7/27/2016 12:52 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 11 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



NOTE:
GRADING OF BACKSLOPES UNDER STRUCTURE COMPLETED PREVIOUSLY BY OTHERS. MINOR GRADING TO TIE INTO BACKSLOPE IS ANTICIPATED.

10 FT

20 FT

9

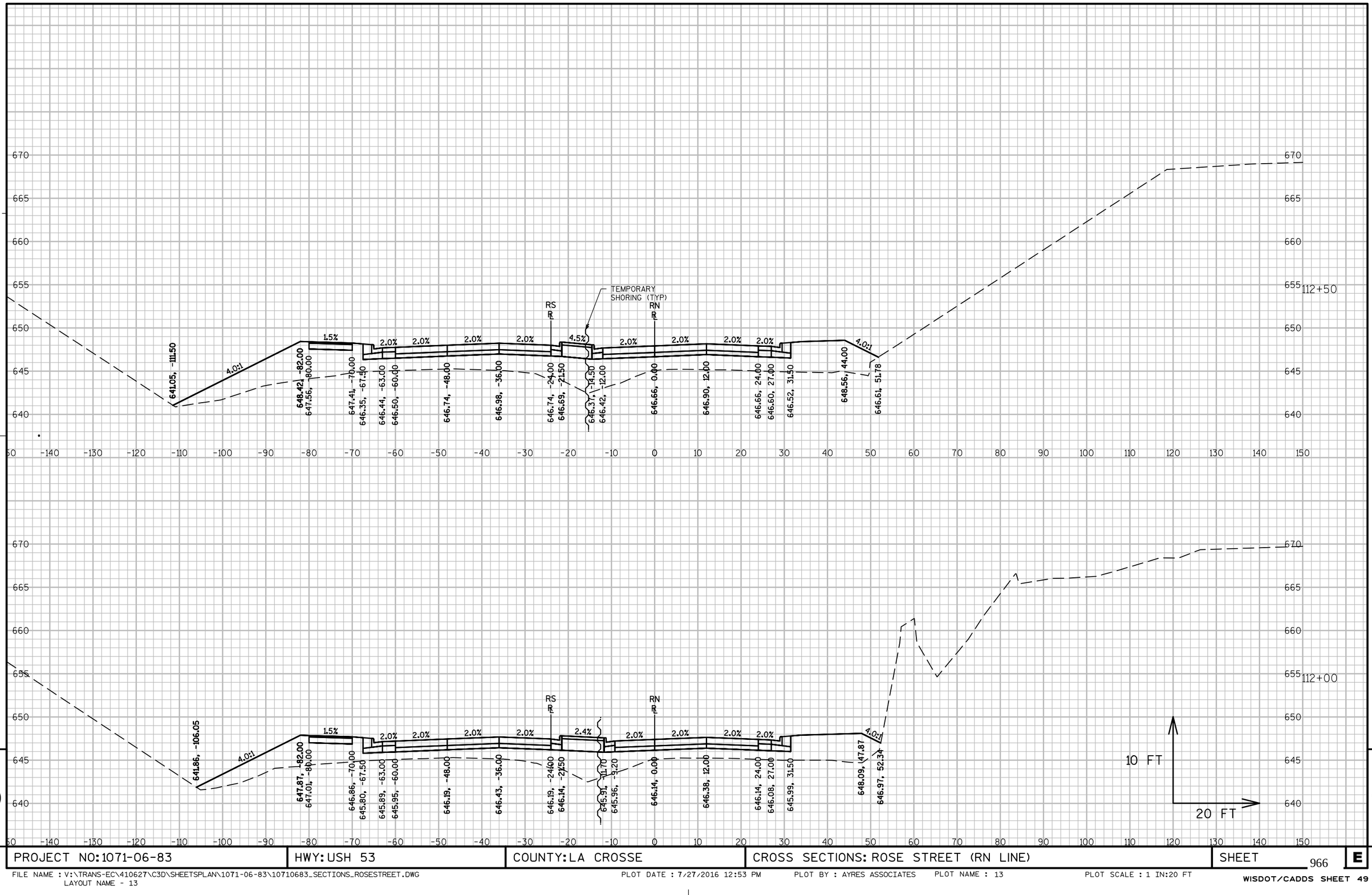
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 965	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 12

PLOT DATE : 7/27/2016 12:52 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 12 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

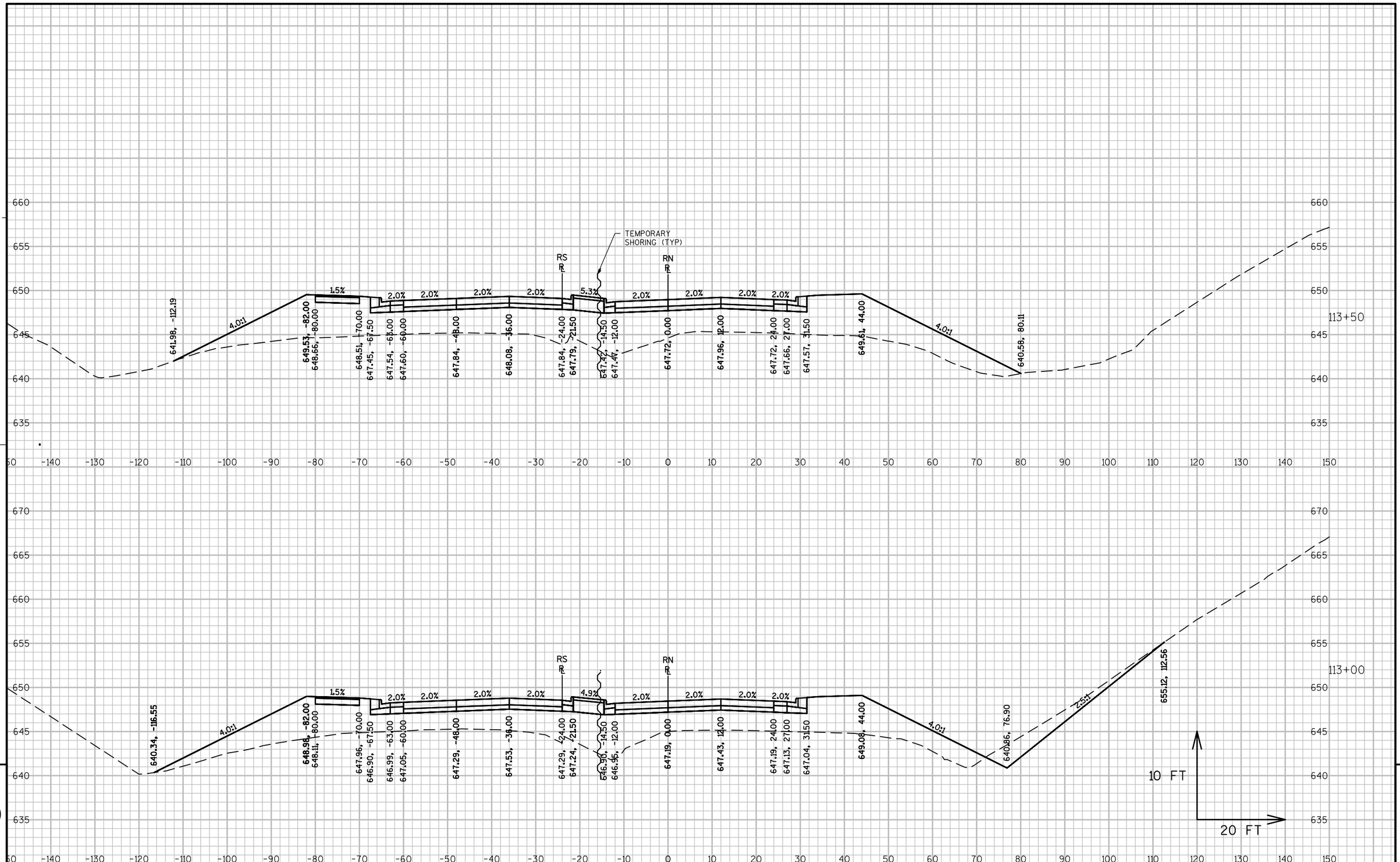


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 966 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 13

PLOT DATE : 7/27/2016 12:53 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 13 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

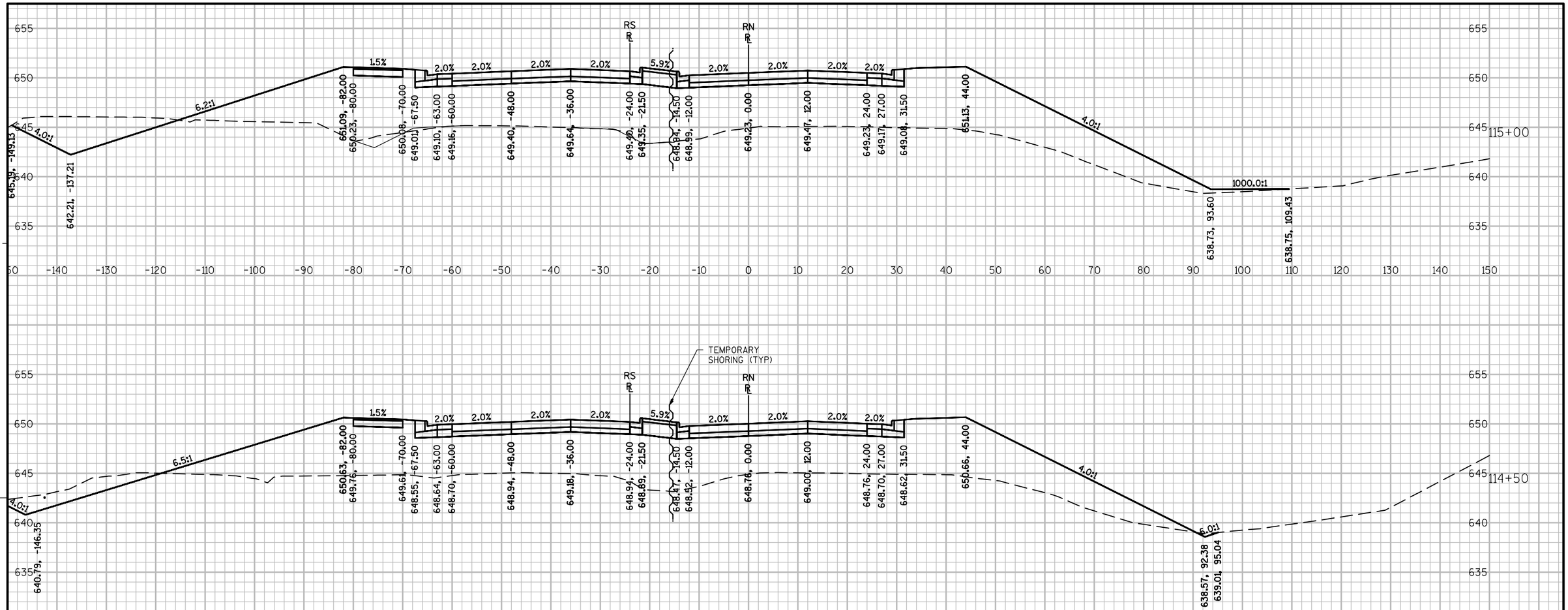


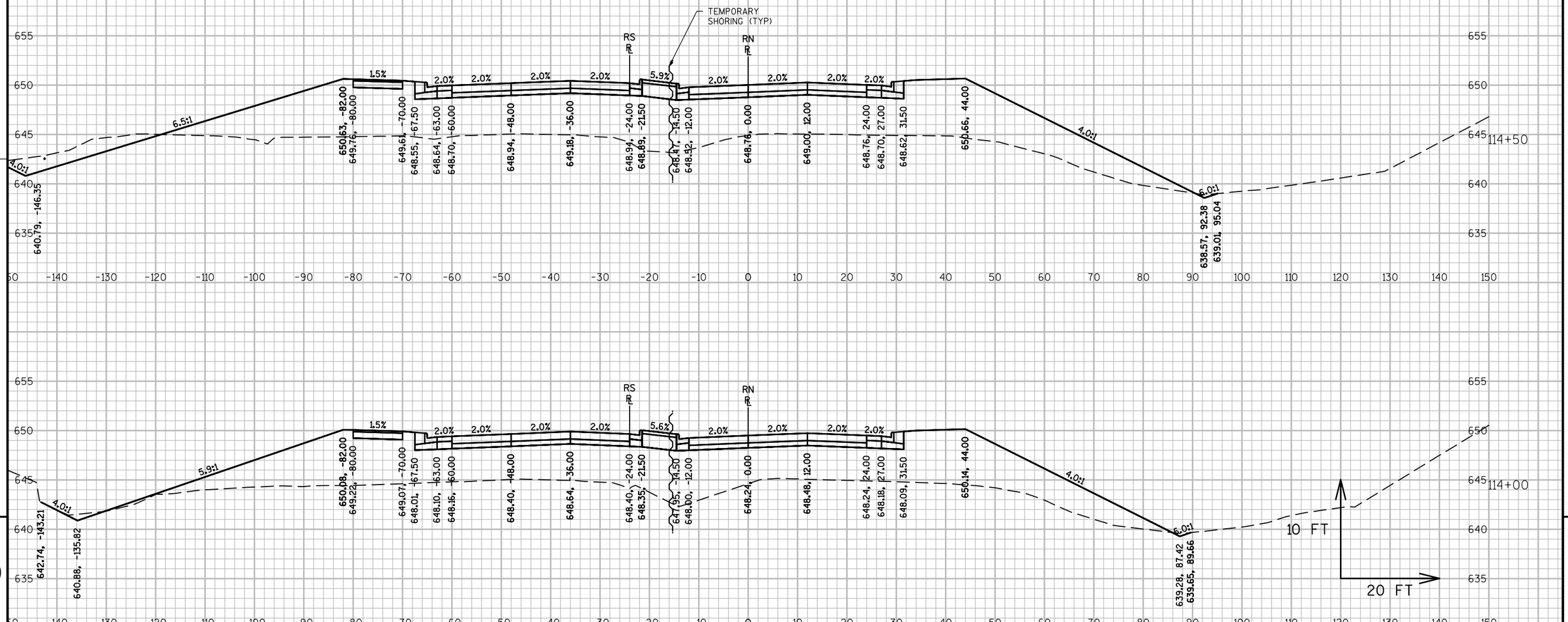
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 967 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 14

PLOT DATE : 7/27/2016 12:53 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 14 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



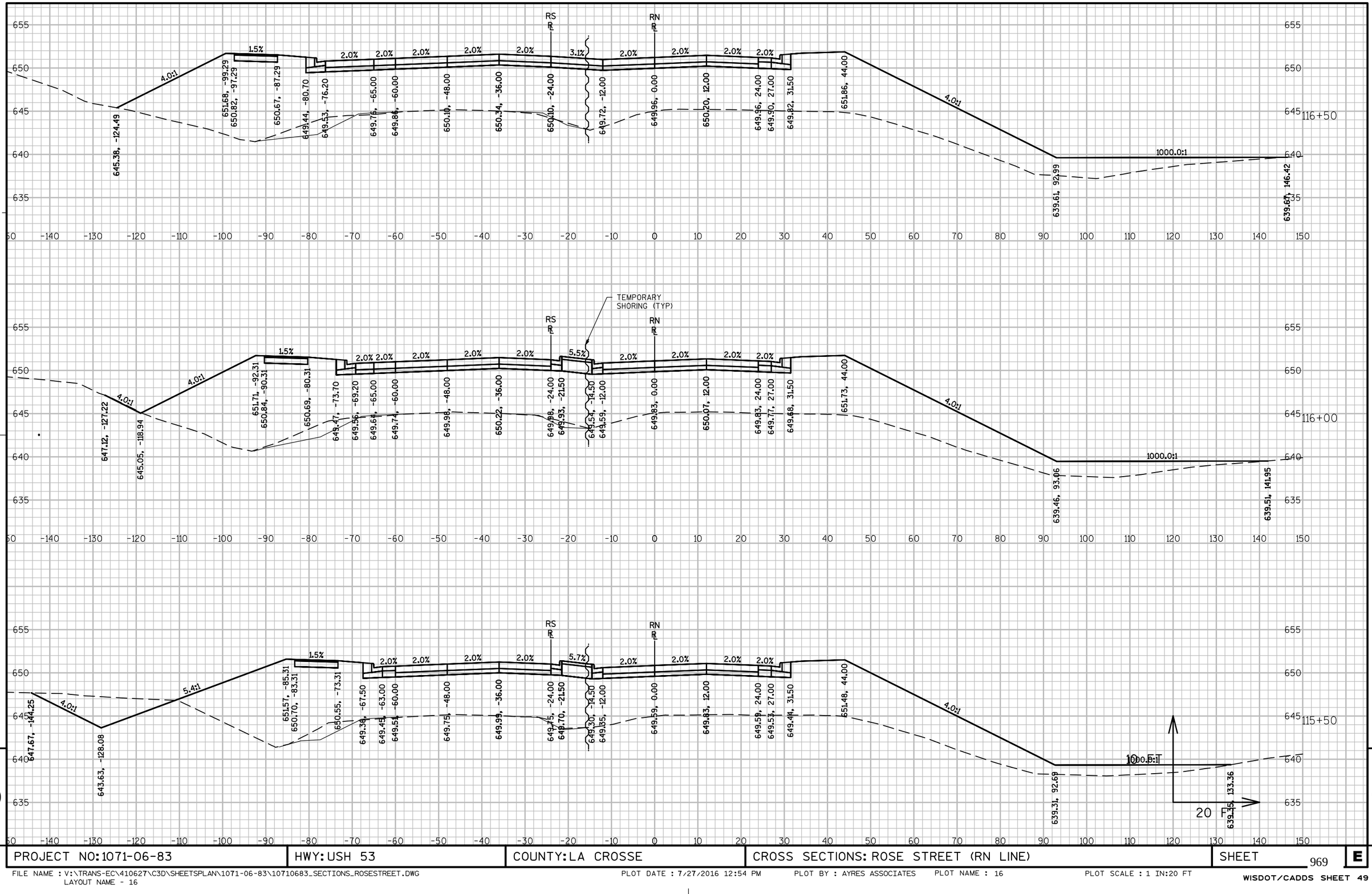


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 968 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 15

PLOT DATE : 7/27/2016 12:53 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 15 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

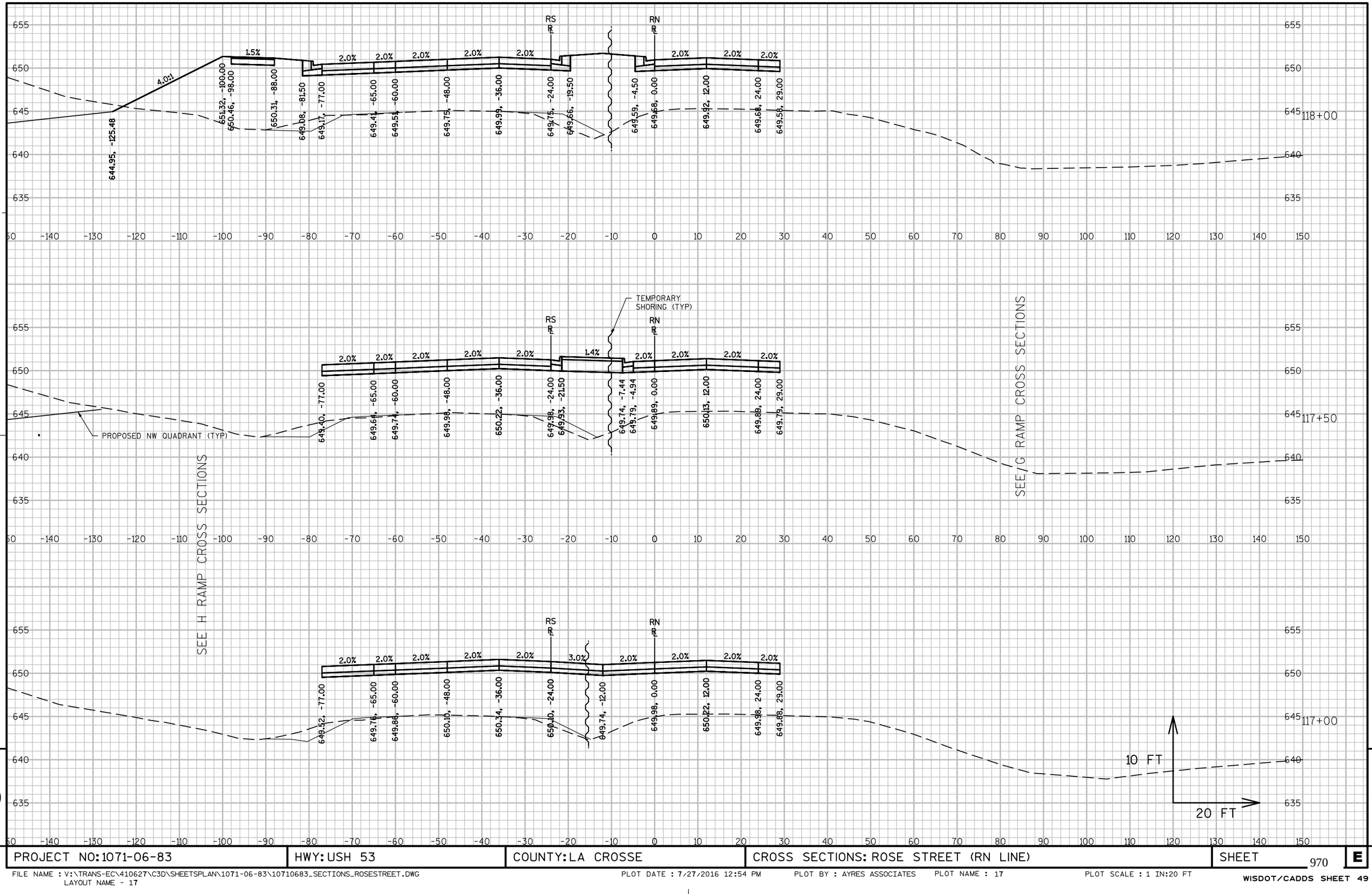
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 969	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 16

PLOT DATE : 7/27/2016 12:54 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 16 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

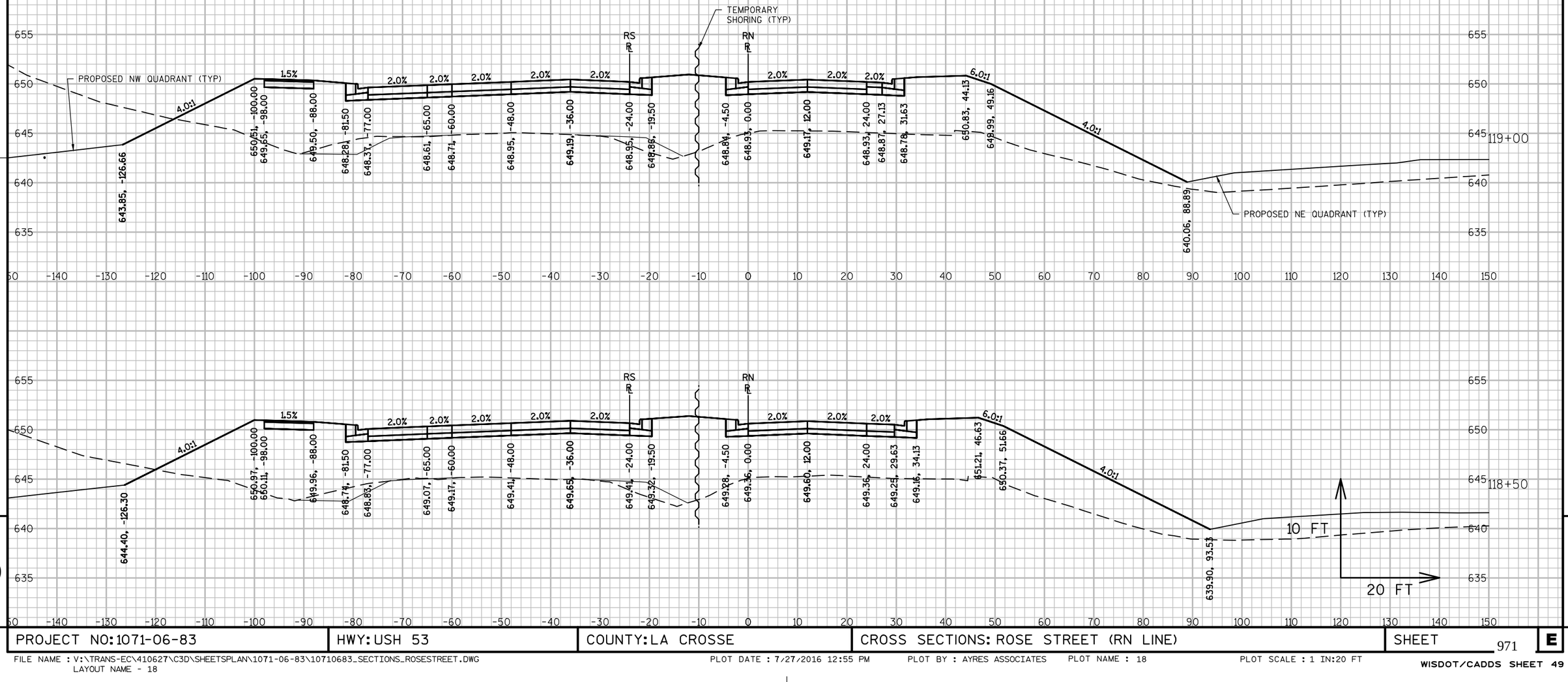


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 970	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 17

PLOT DATE : 7/27/2016 12:54 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 17 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

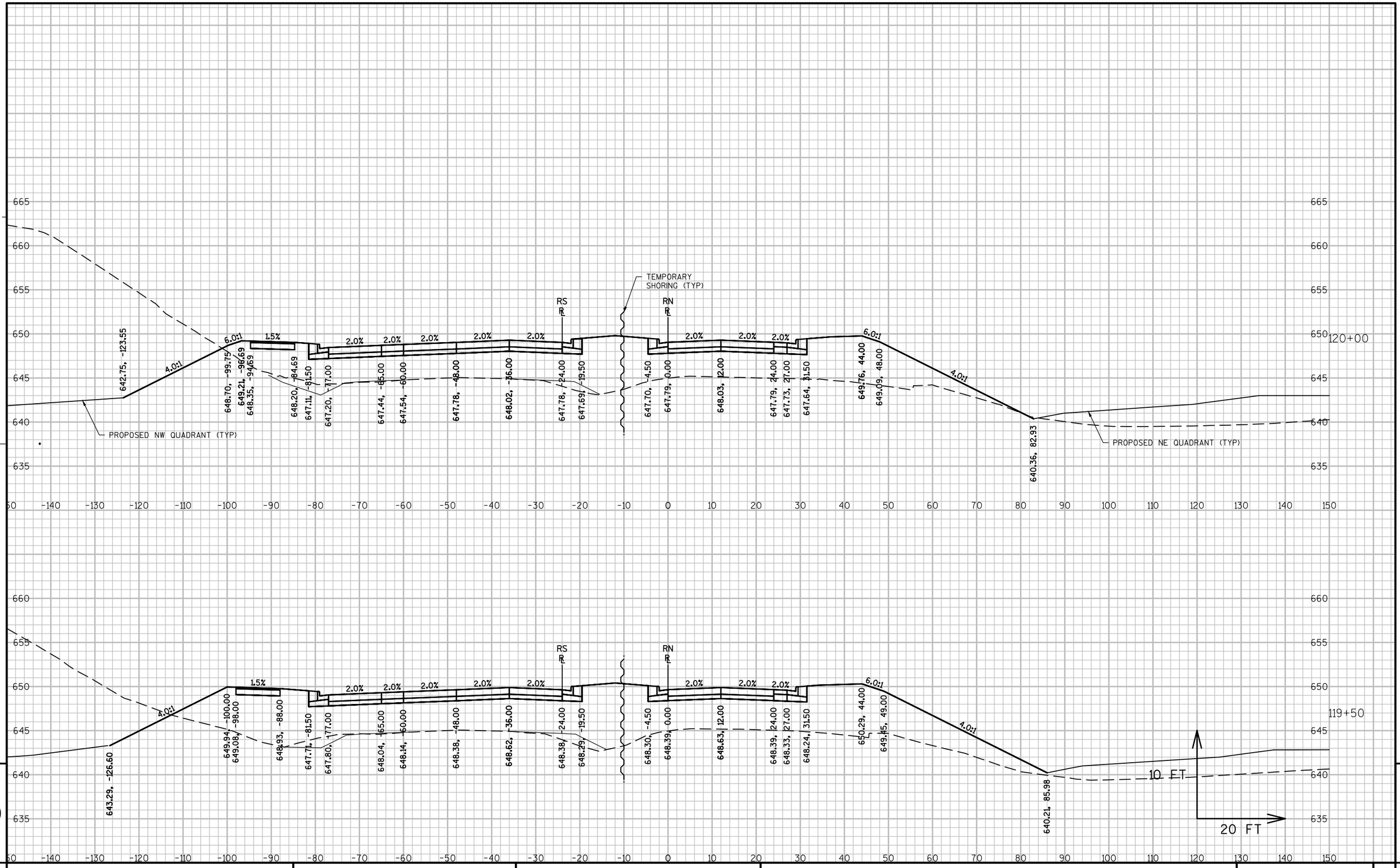


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 971	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 18

PLOT DATE : 7/27/2016 12:55 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 18 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

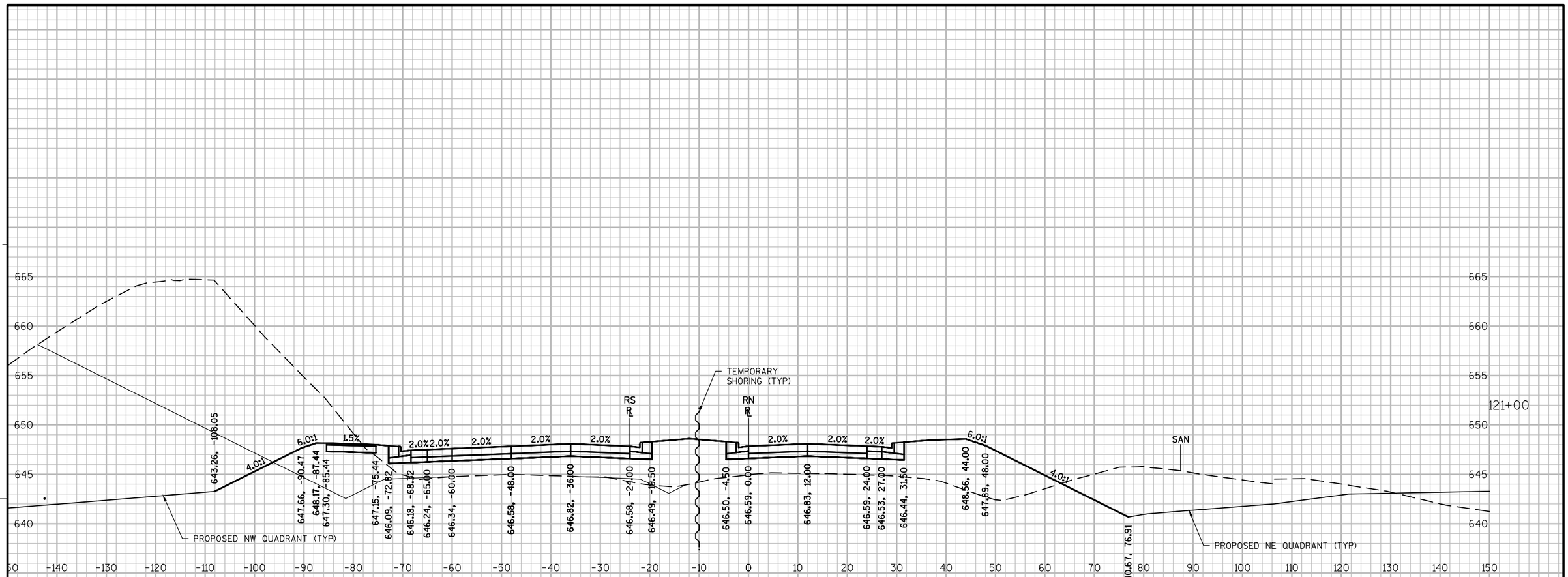


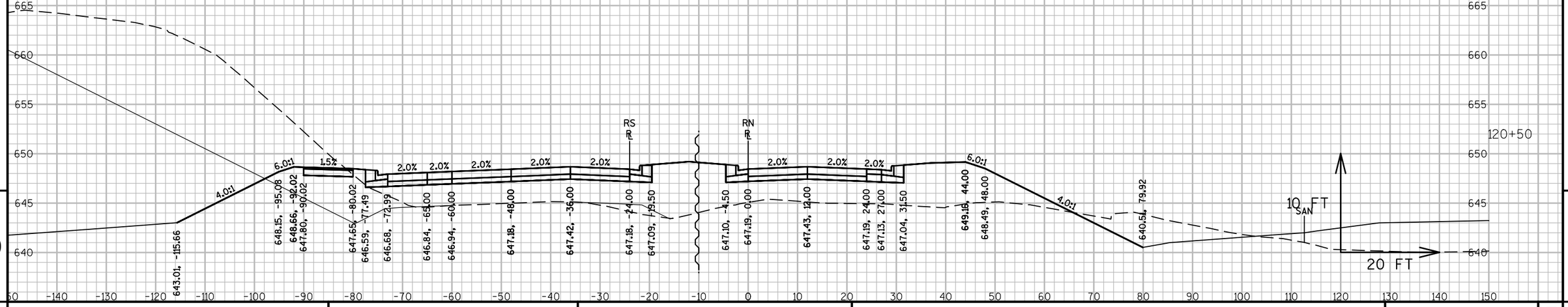
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 972 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 19

PLOT DATE : 7/27/2016 12:55 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 19 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49





9

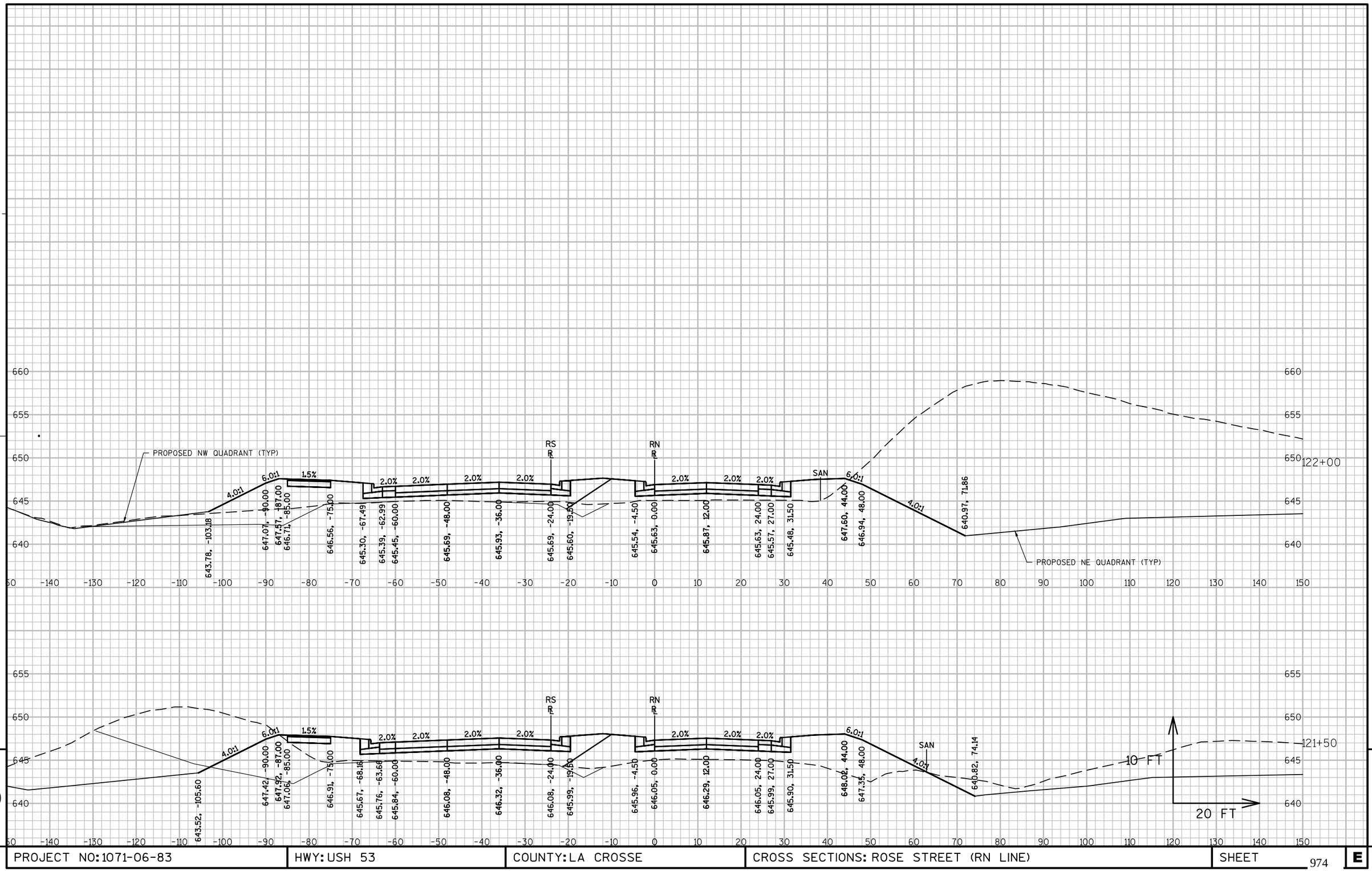
9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 973	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 20

PLOT DATE : 7/27/2016 12:56 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 20 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

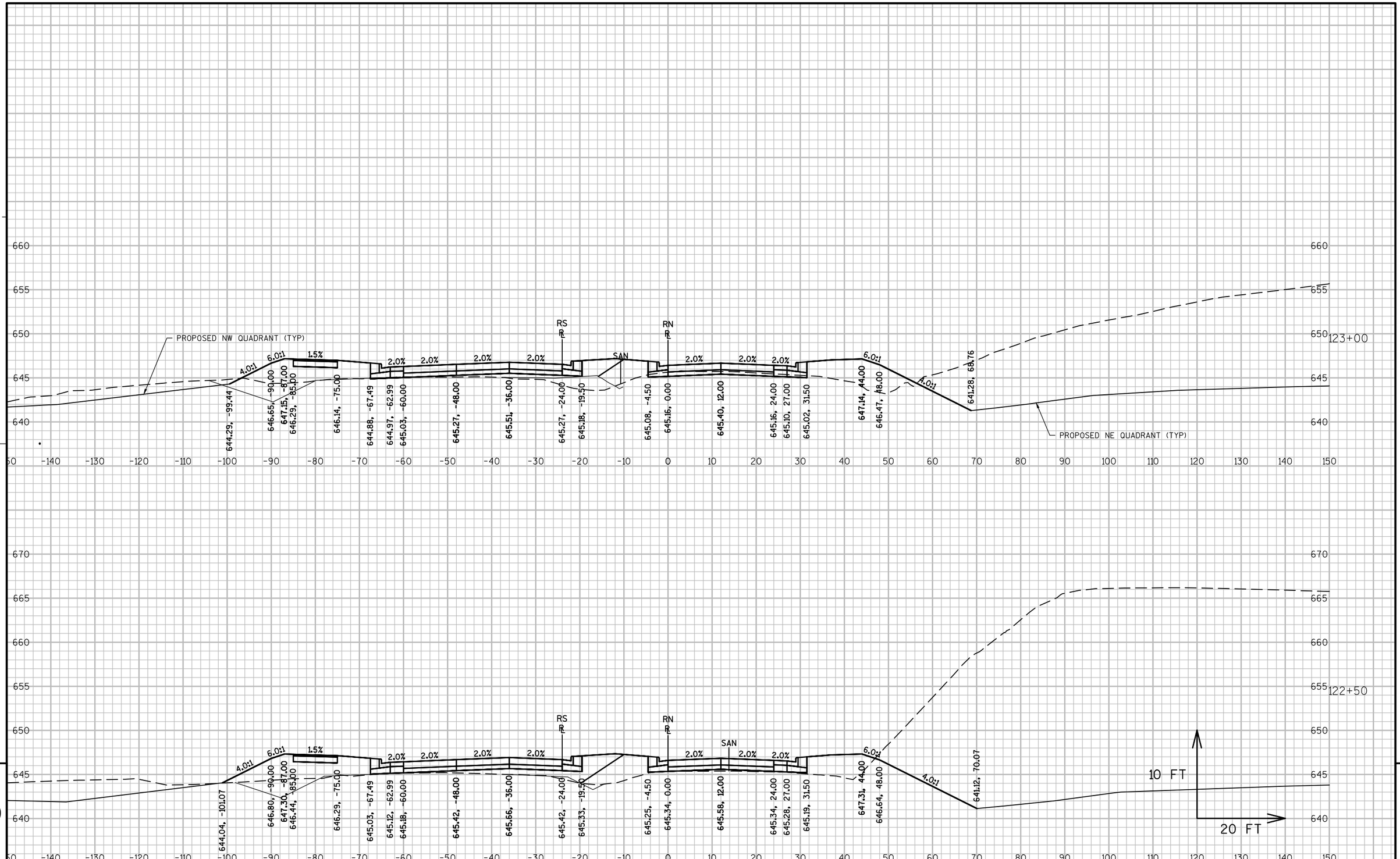


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 974 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 21

PLOT DATE : 7/27/2016 12:56 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 21 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

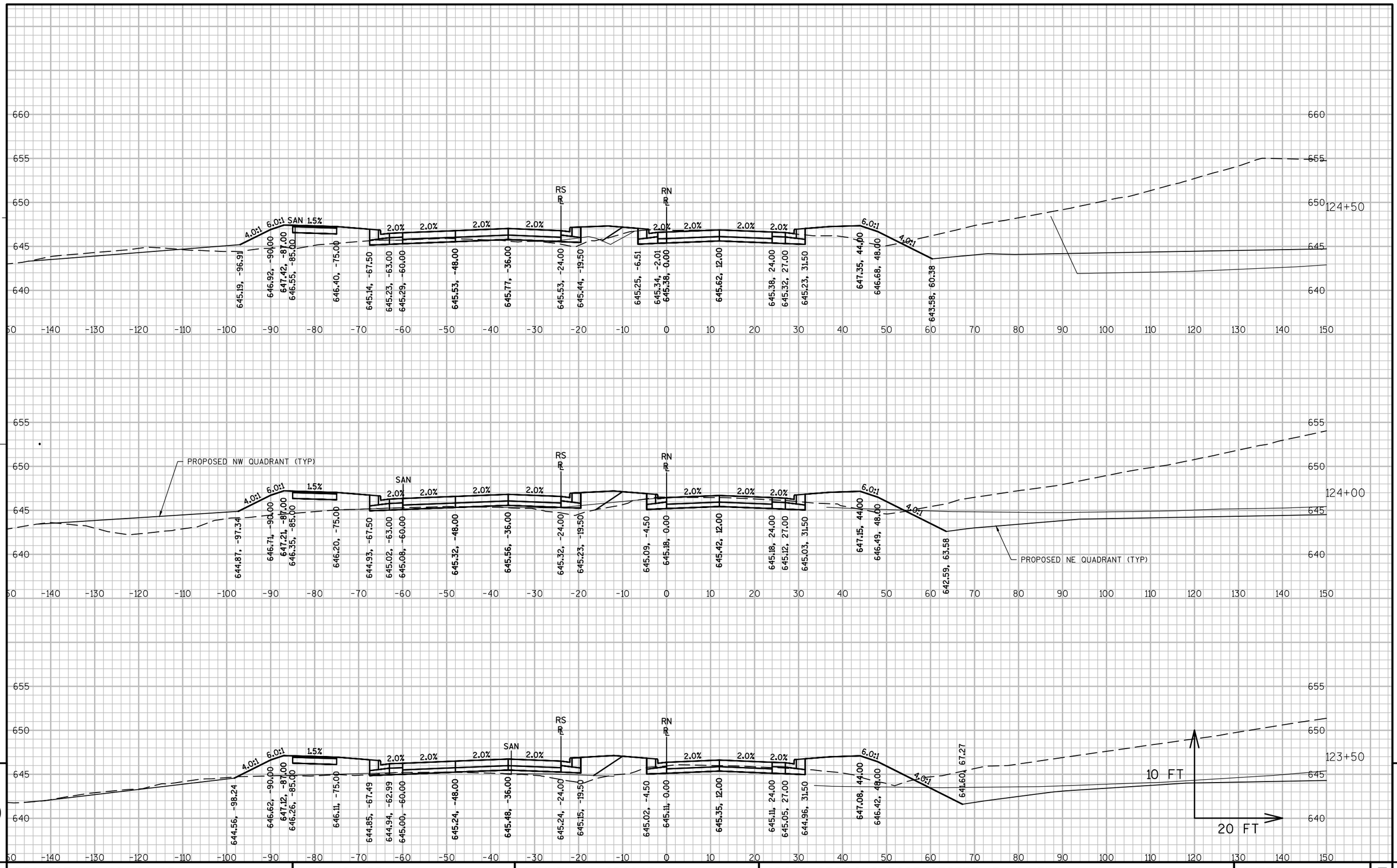


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 975 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 22

PLOT DATE : 7/27/2016 12:56 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 22 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

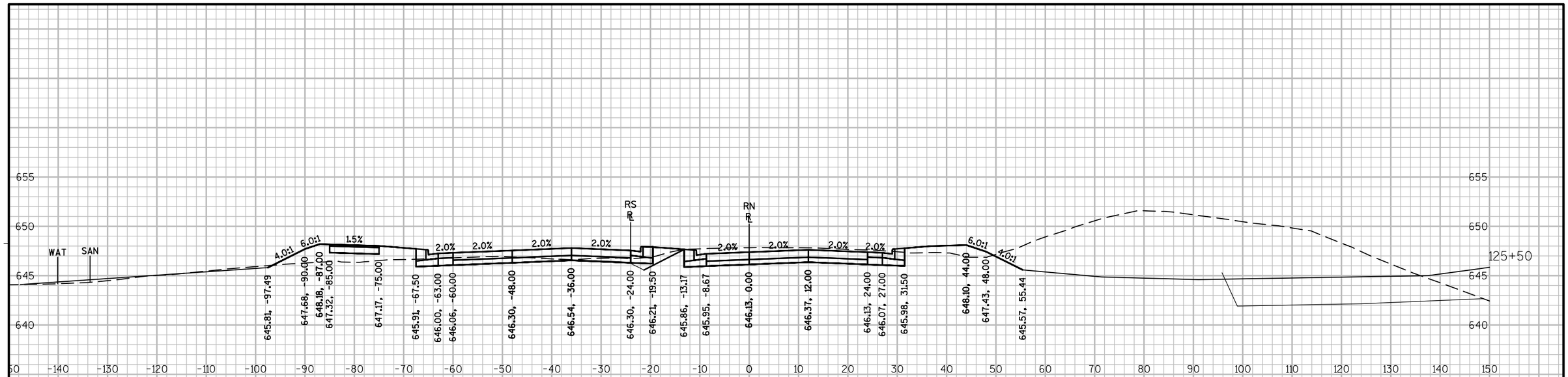


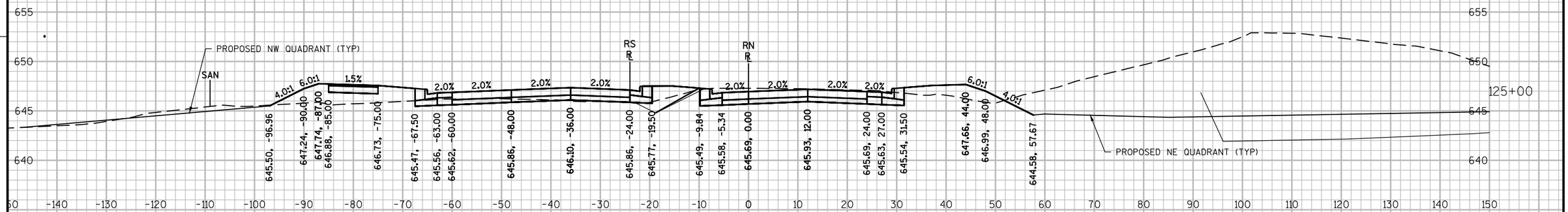
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 976	E

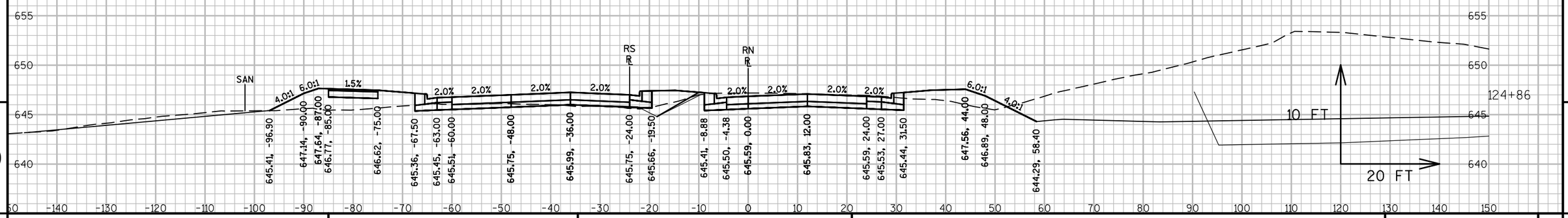
FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 23

PLOT DATE : 7/27/2016 12:57 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 23 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49





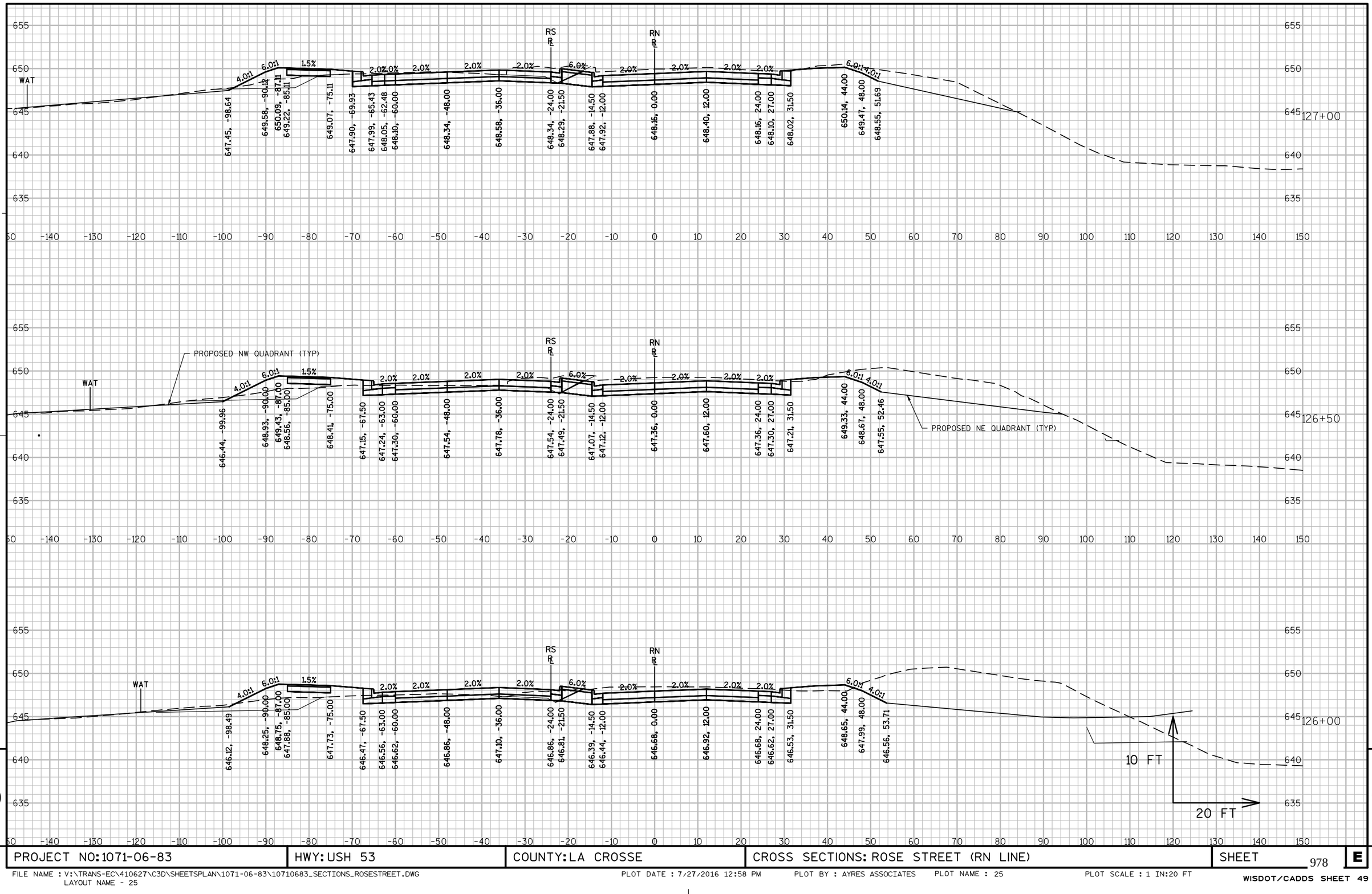


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 977 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 24

PLOT DATE : 7/27/2016 12:57 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 24 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

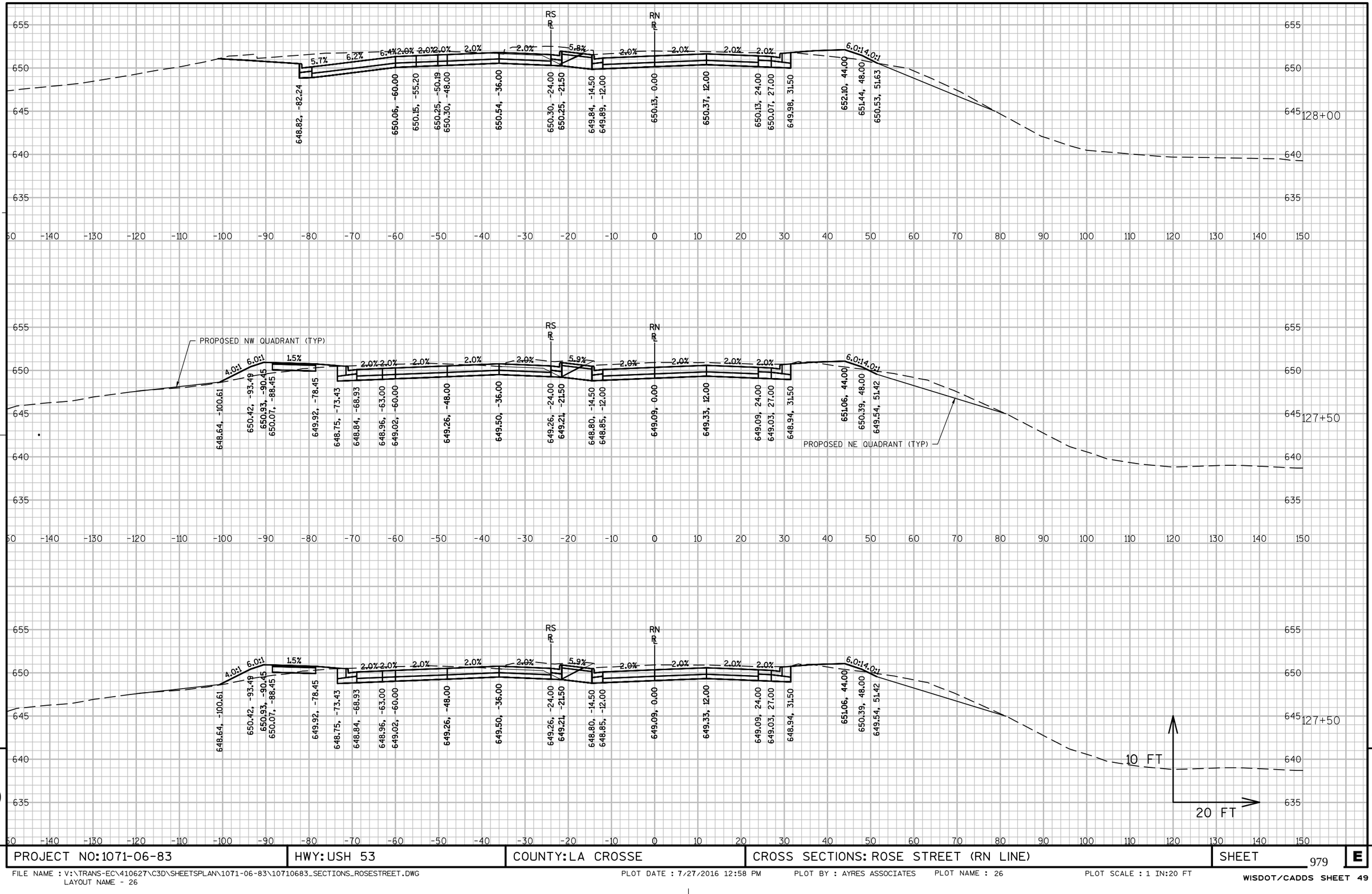


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 978	E

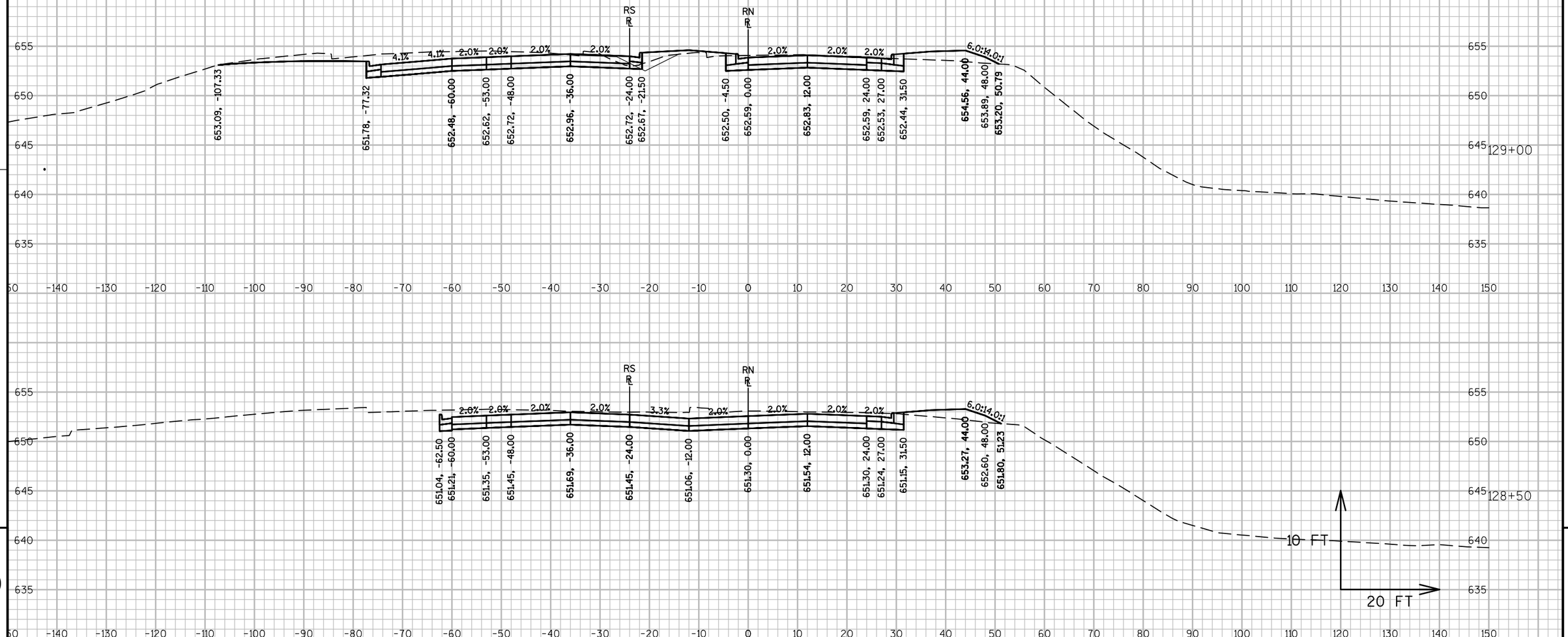
FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 25

PLOT DATE : 7/27/2016 12:58 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 25 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 979	E

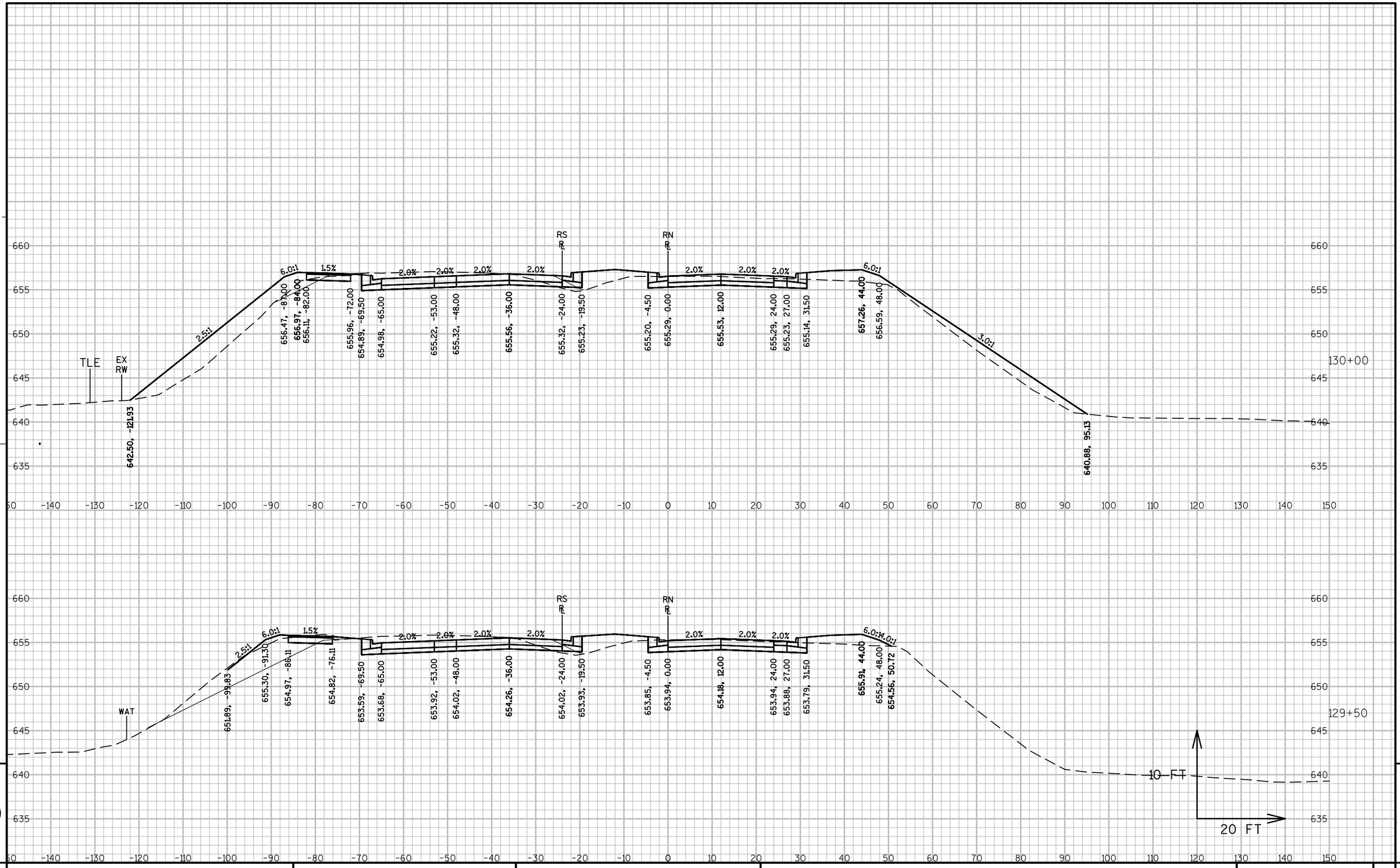


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 980	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 27

PLOT DATE : 7/27/2016 12:58 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 27 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

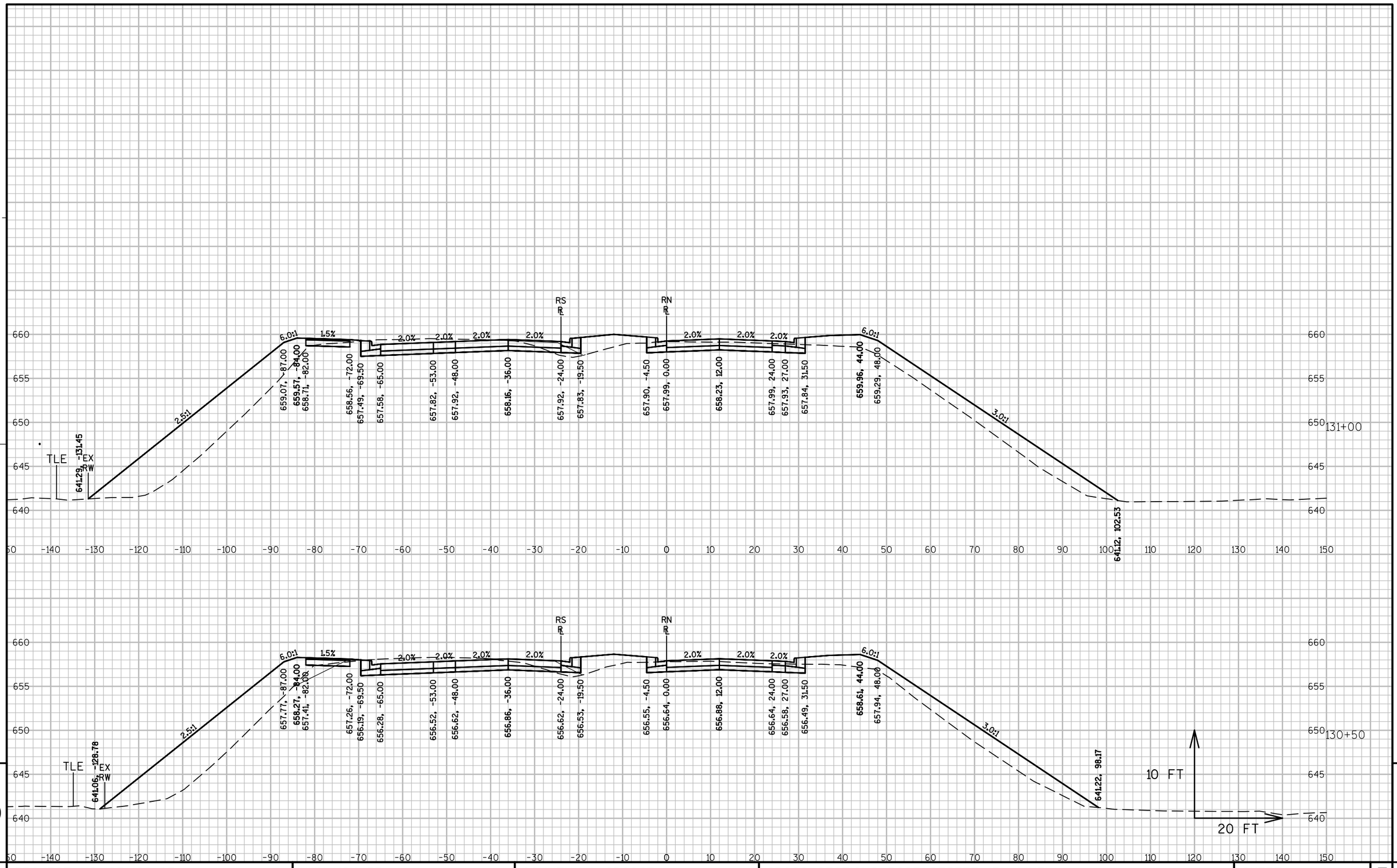
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 981	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 28

PLOT DATE : 7/27/2016 12:59 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 28 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



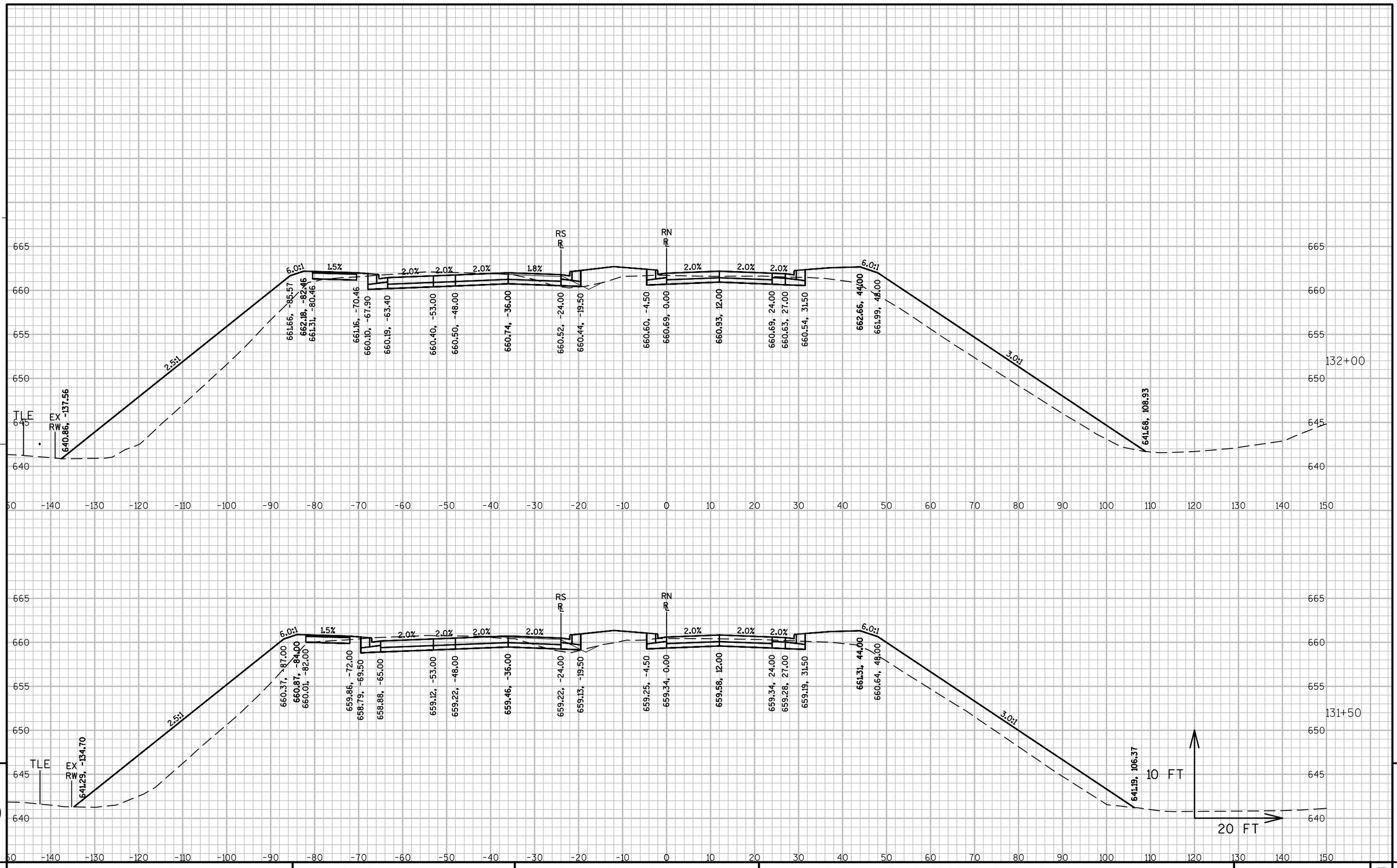
9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 982 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 29

PLOT DATE : 7/27/2016 12:59 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 29 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

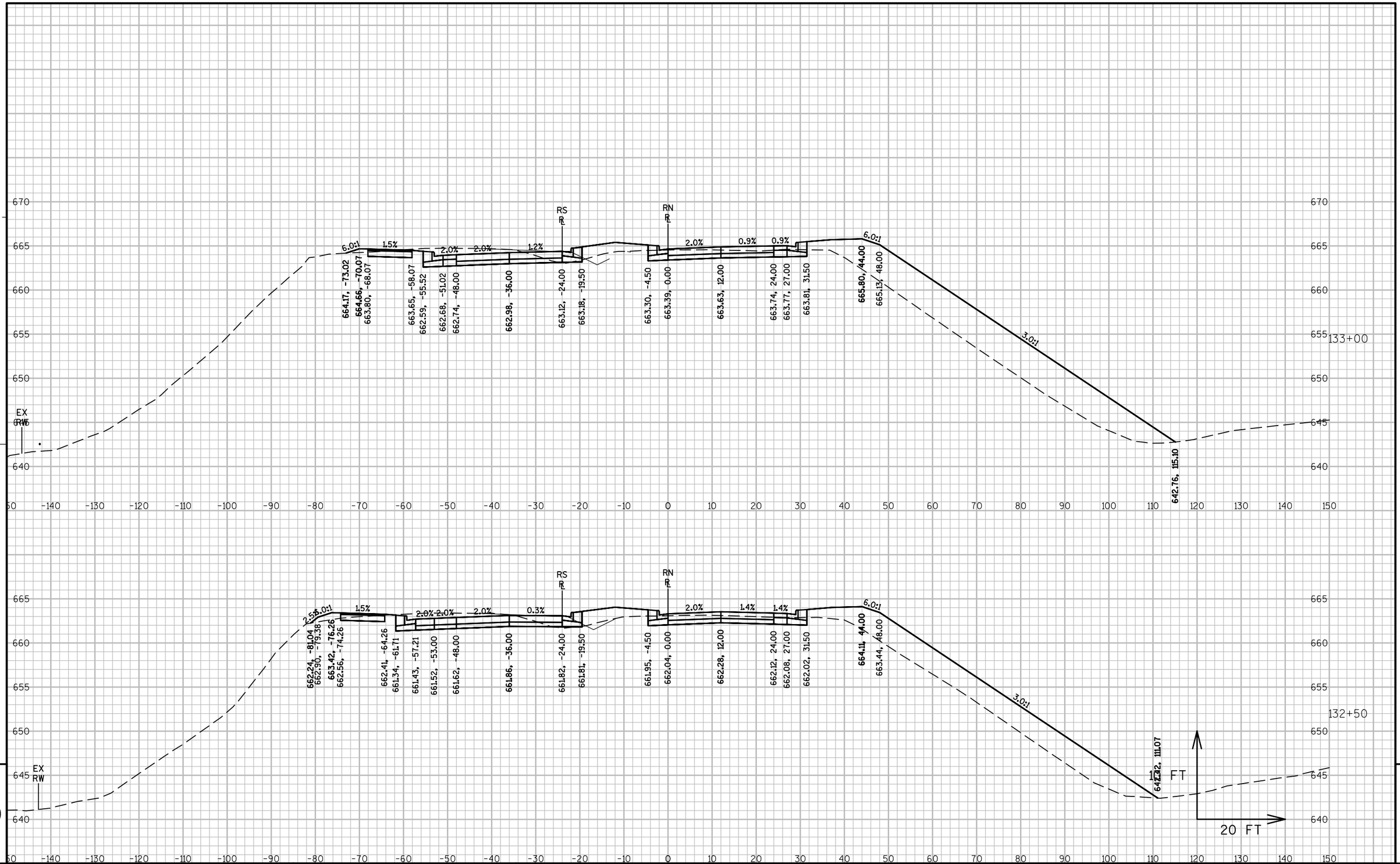


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 983	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 30

PLOT DATE : 7/27/2016 1:00 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 30 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

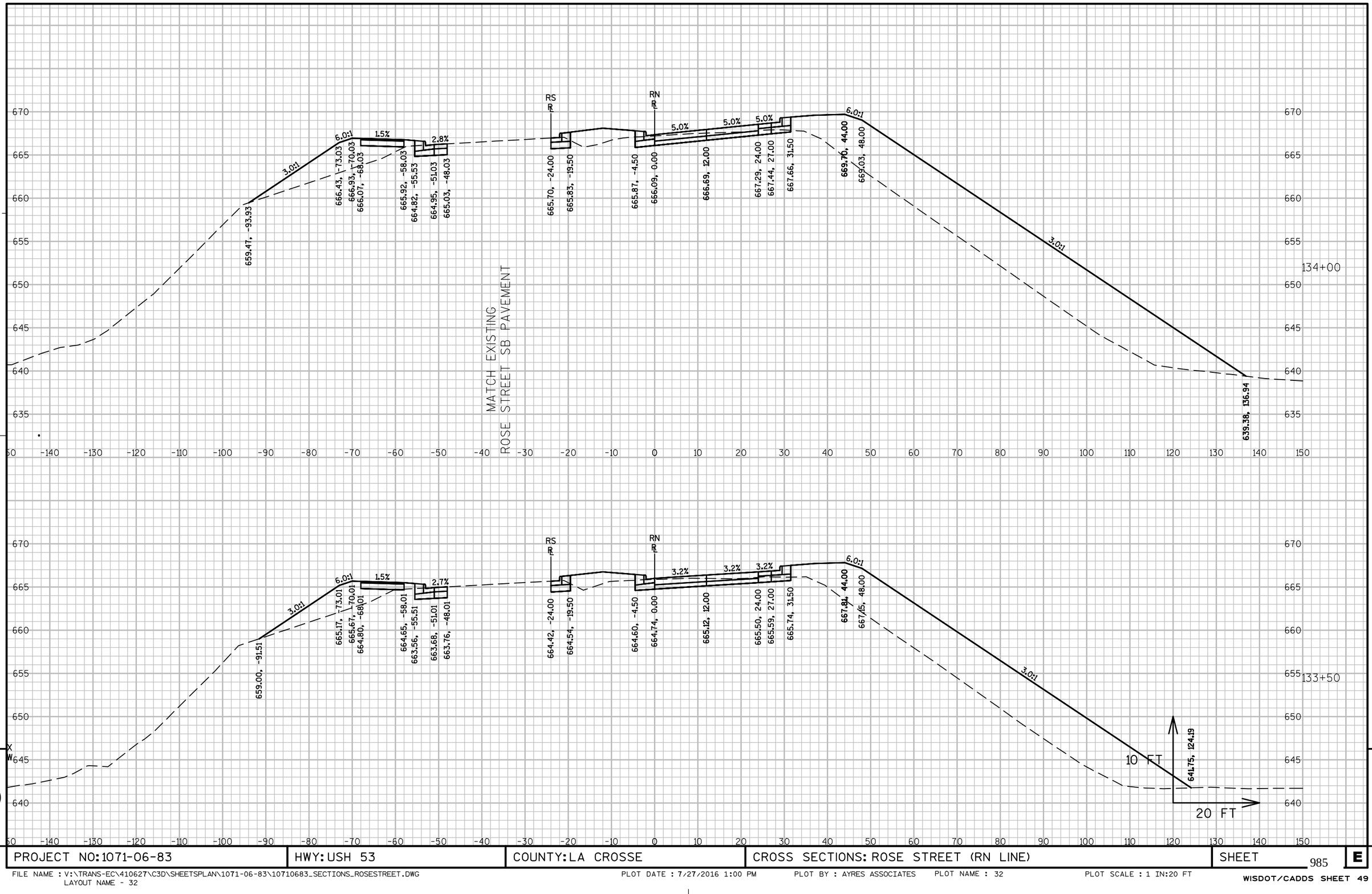


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 984 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 31

PLOT DATE : 7/27/2016 1:00 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 31 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

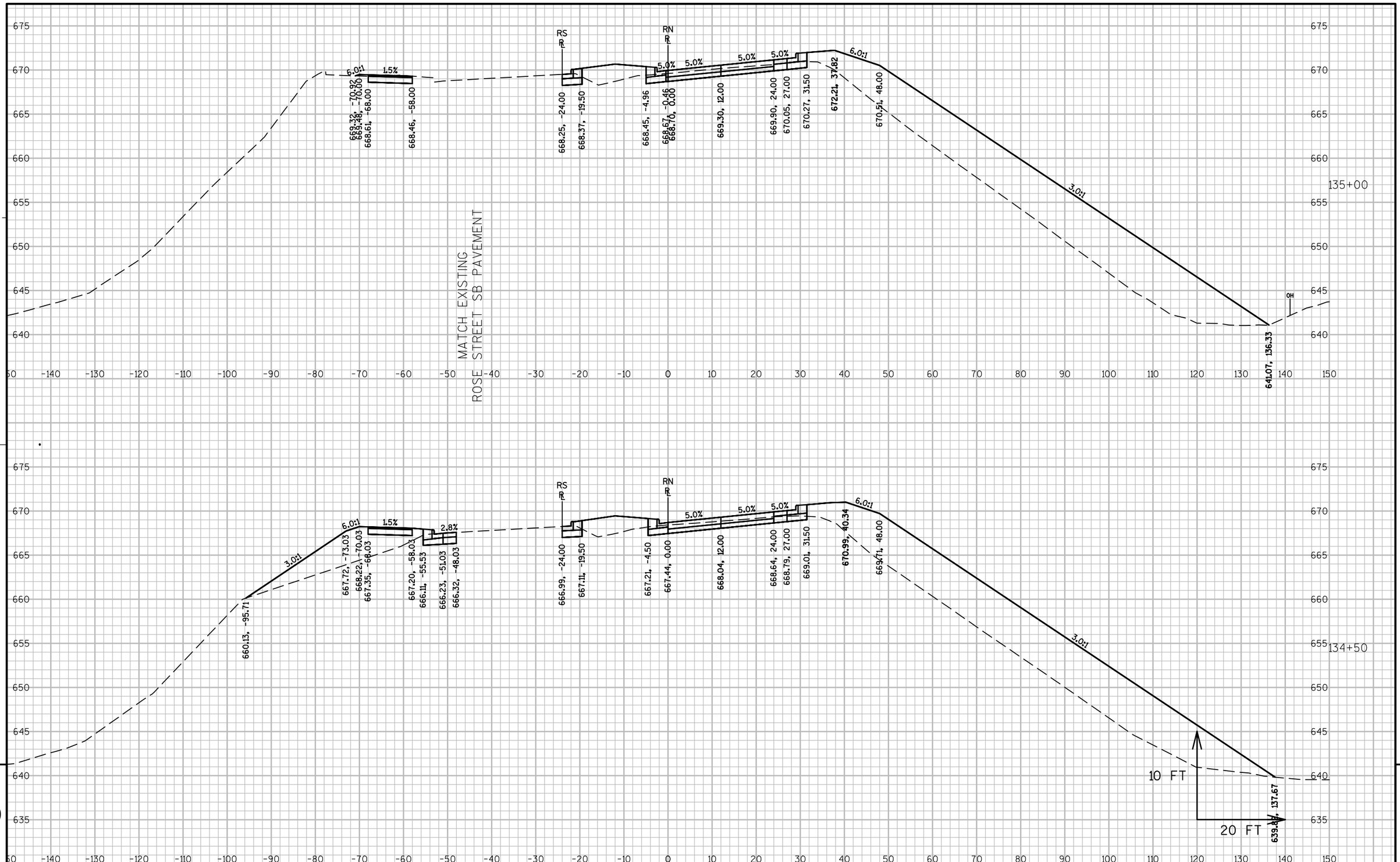


PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 985	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 32

PLOT DATE : 7/27/2016 1:00 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 32 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

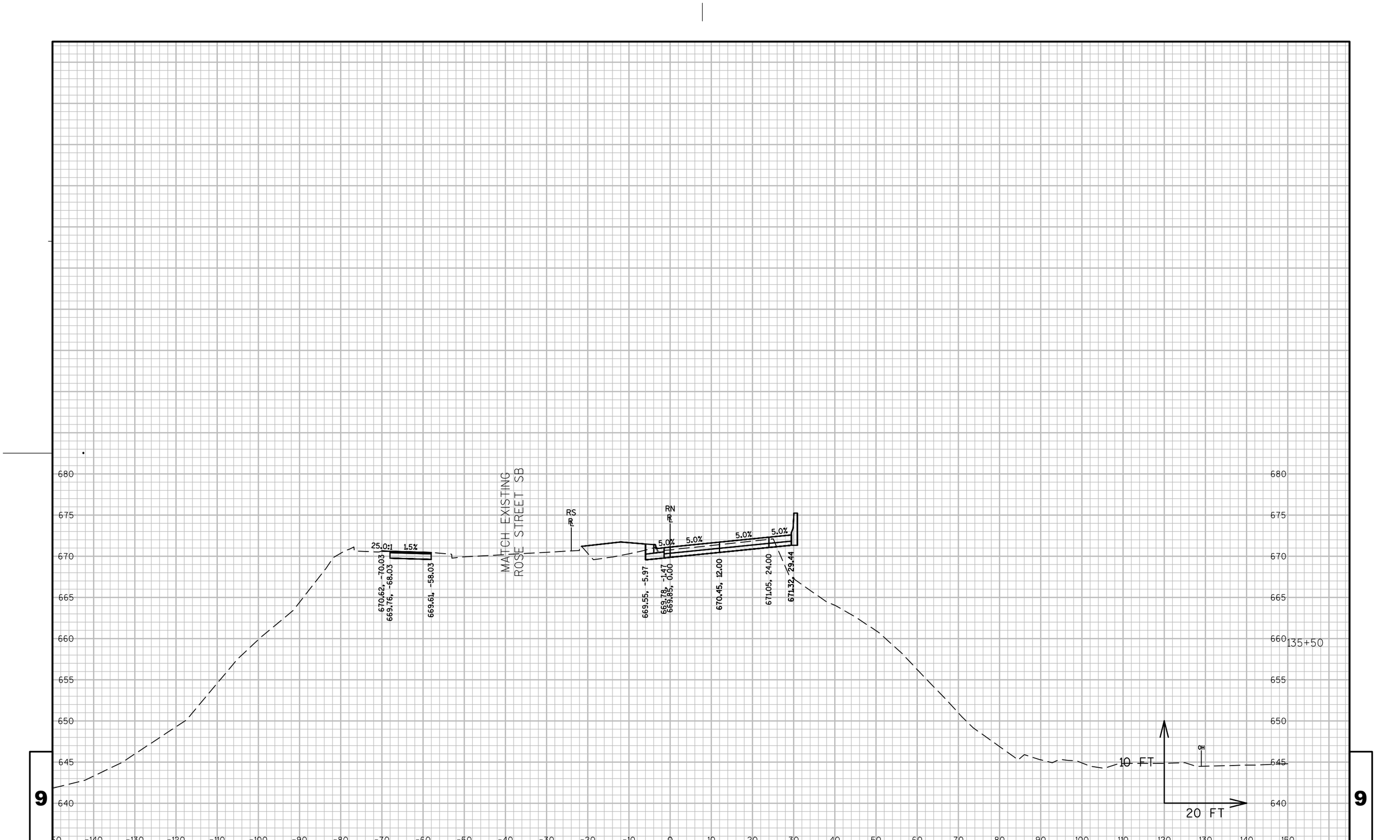


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 986 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 33

PLOT DATE : 7/27/2016 1:01 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 33 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



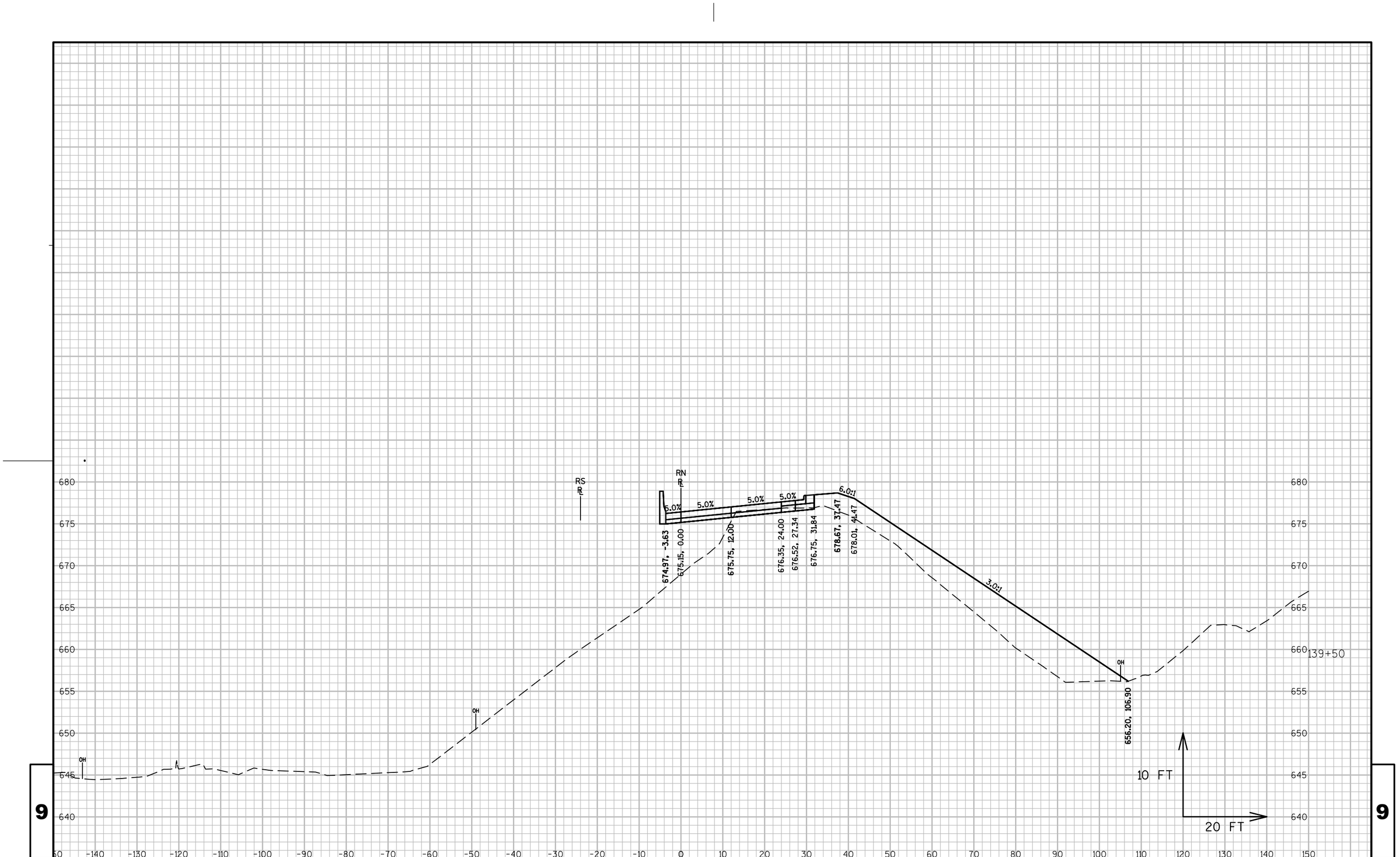
9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 987 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 34

PLOT DATE : 7/27/2016 1:01 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 34 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 988 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 35

PLOT DATE : 7/27/2016 1:02 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 35 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

MATCH EXISTING
ROSE STREET SB BACK OF PARAPET

RS
RN
4.6%
4.6%
4.6%
4.6%
6.0:1
3.0:1
OH
OH

675.02, -6.83
675.22, -2.33
675.33, 0.00
675.88, 12.00
676.43, 24.00
676.56, 27.00
676.77, 31.50
678.73, 38.51
677.15, 48.00
659.57, 100.73

140+00

10 FT
20 FT

680 675 670 665 660 655 650 645 640

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

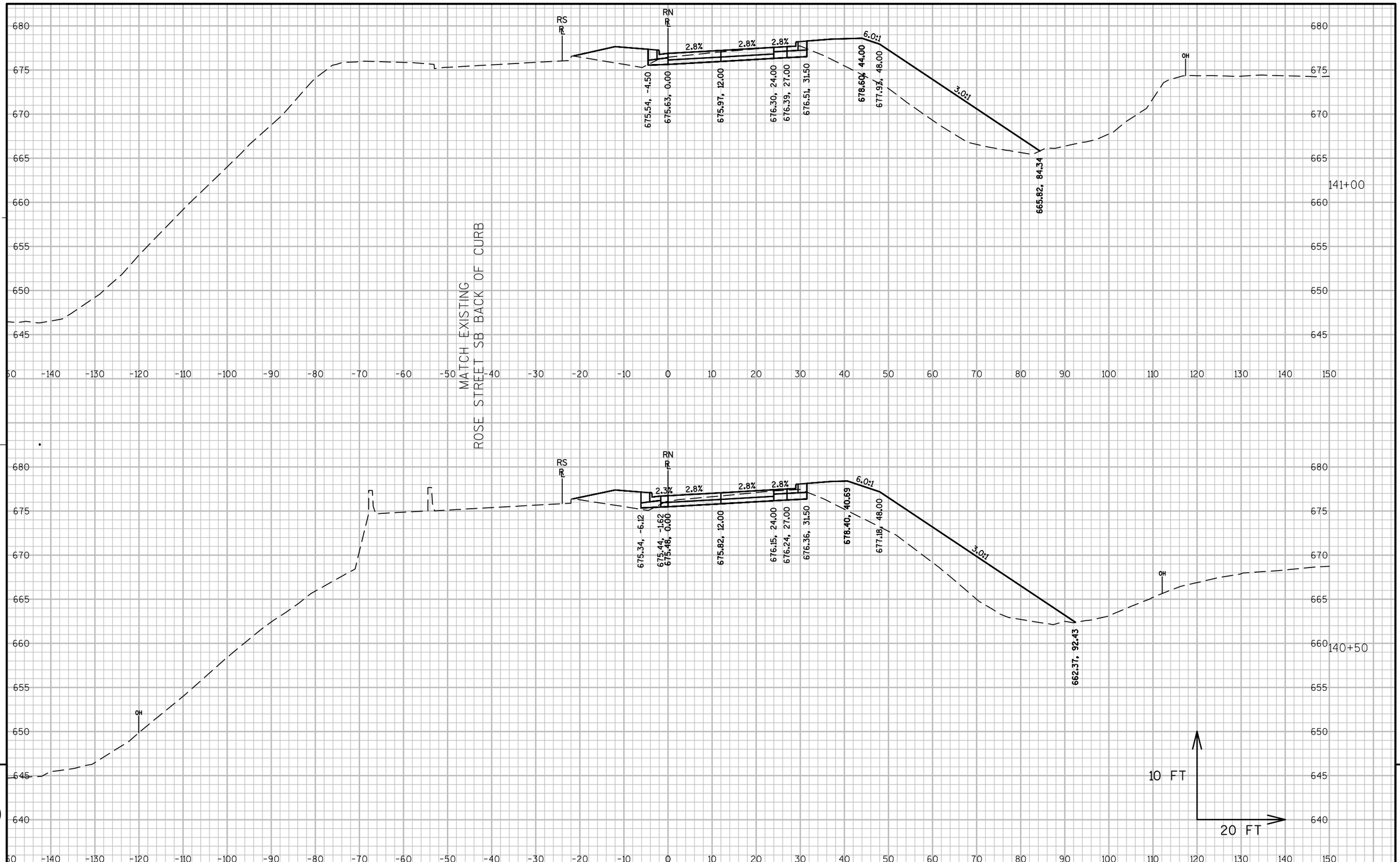
9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 989	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 36

PLOT DATE : 7/27/2016 1:02 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 36 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

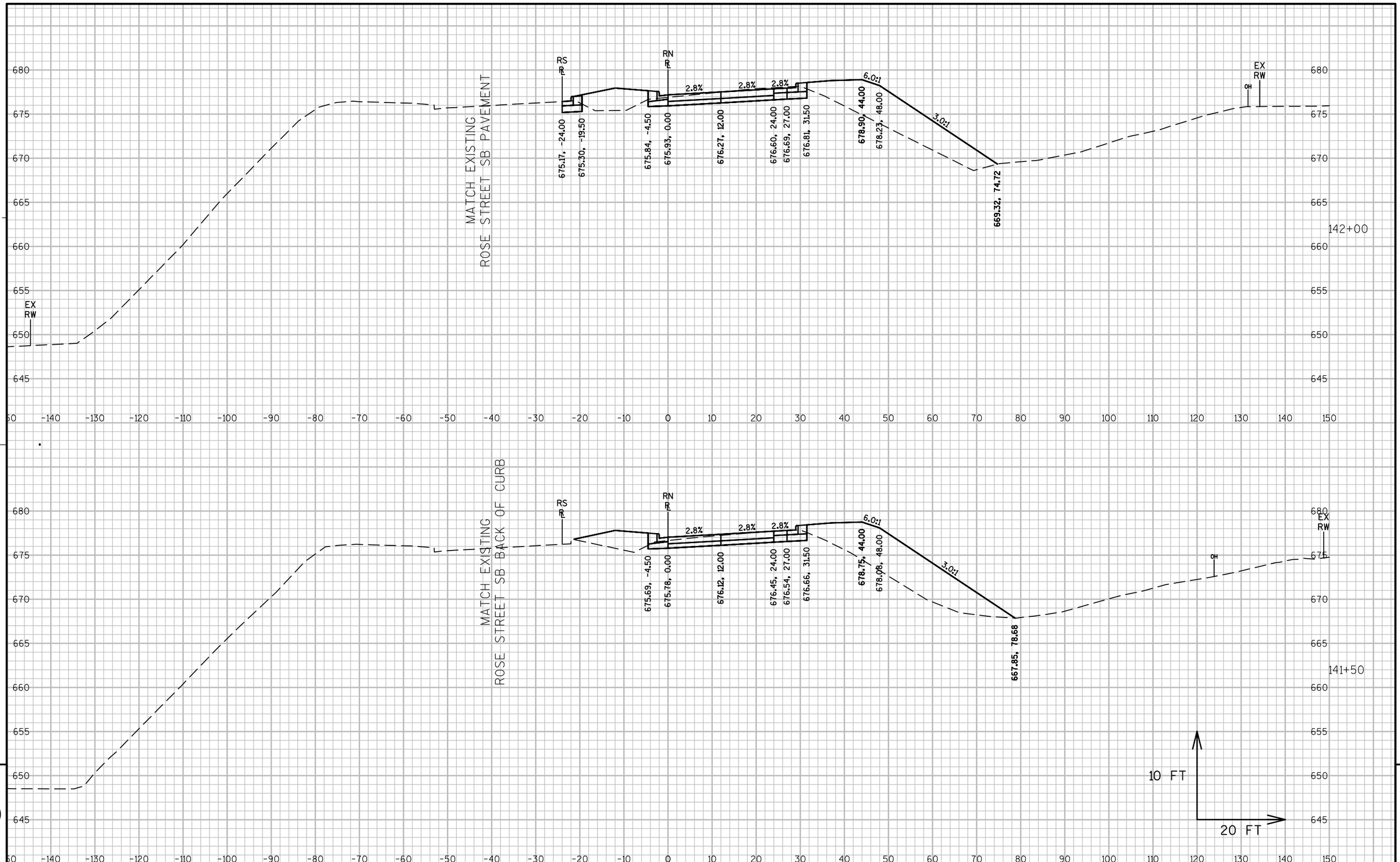


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 990 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 37

PLOT DATE : 7/27/2016 1:02 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 37 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

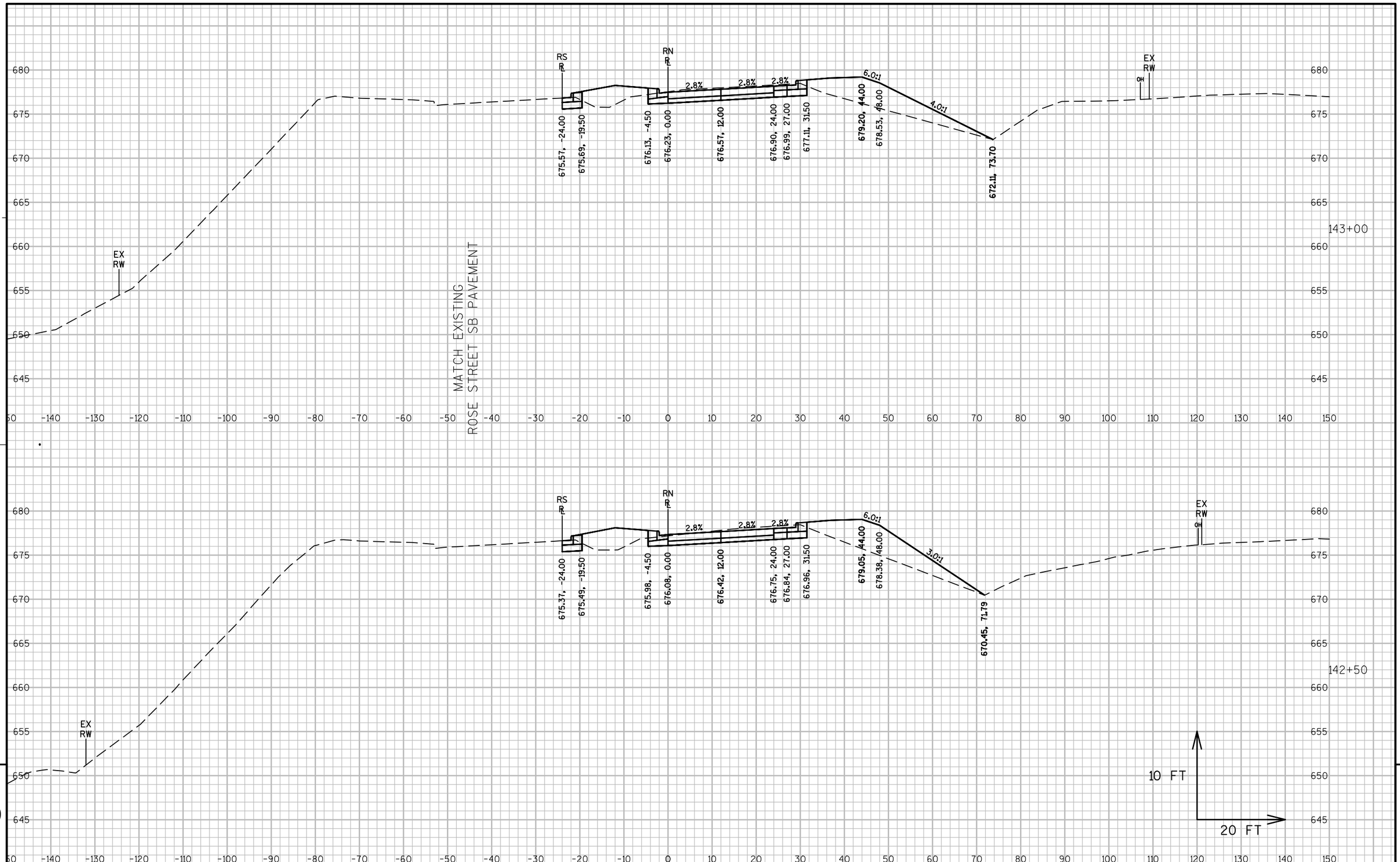


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 991	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 38

PLOT DATE : 7/27/2016 1:03 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 38 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

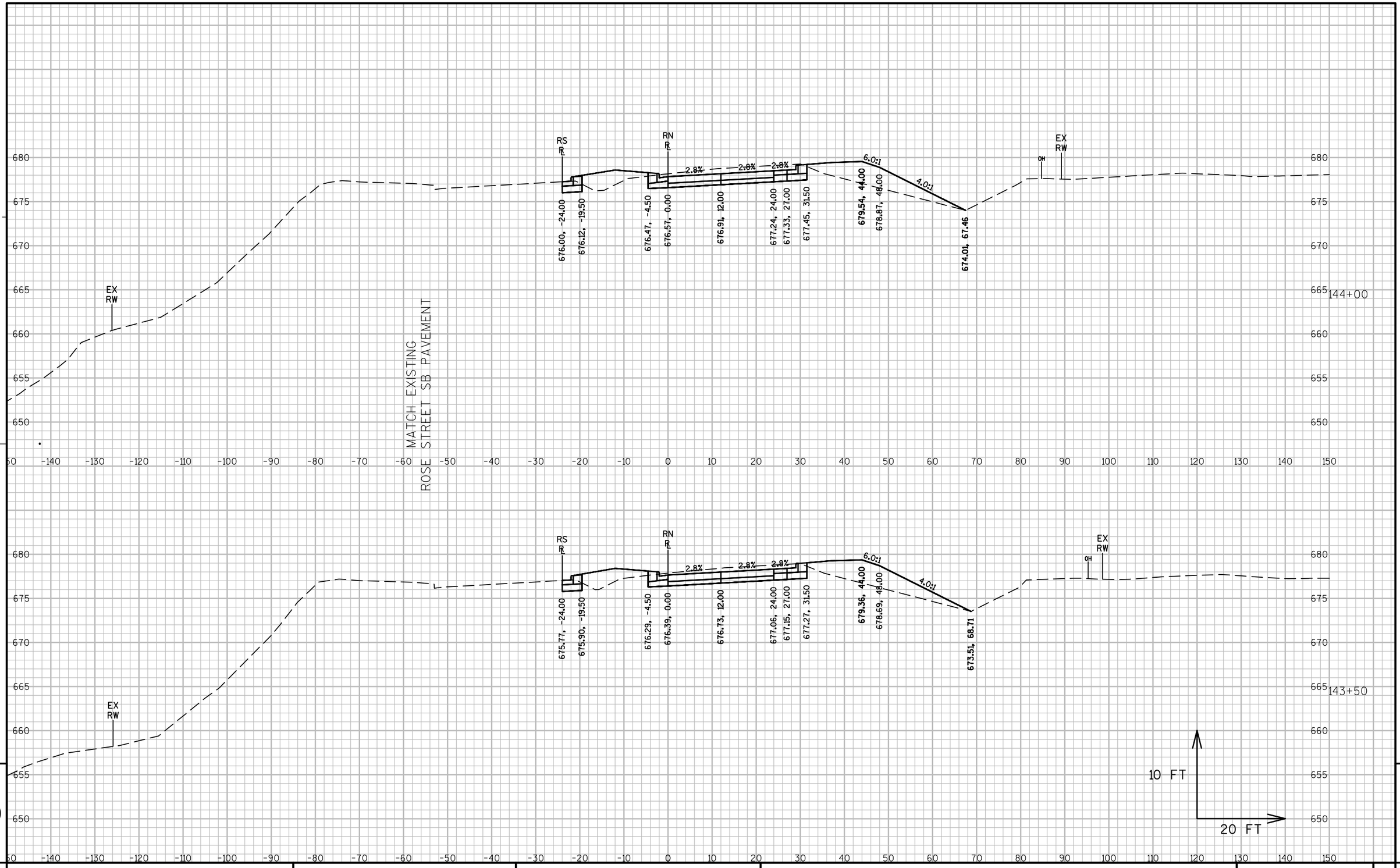


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 992 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 39

PLOT DATE : 7/27/2016 1:03 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 39 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

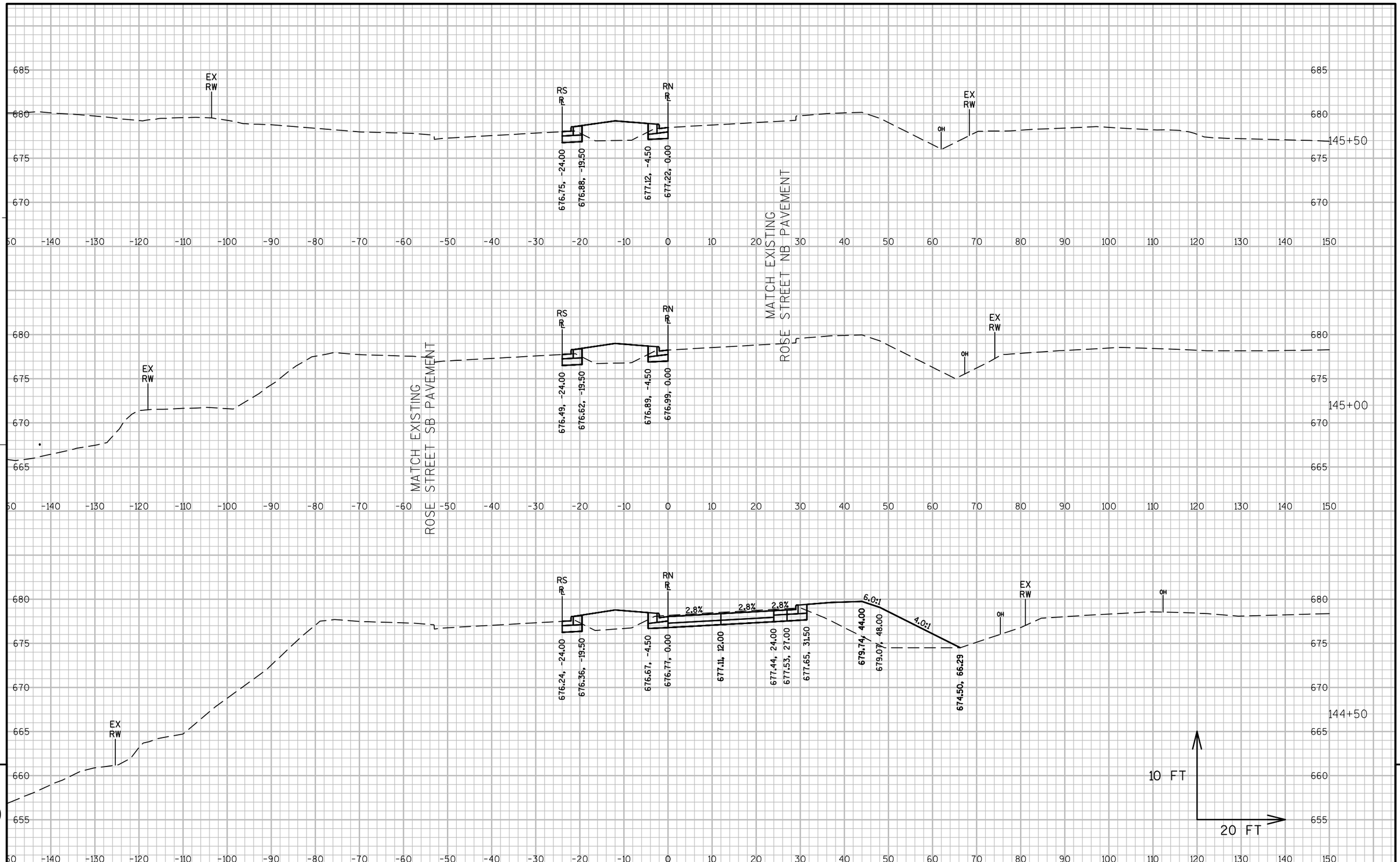


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 993	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 40

PLOT DATE : 7/27/2016 1:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 40 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

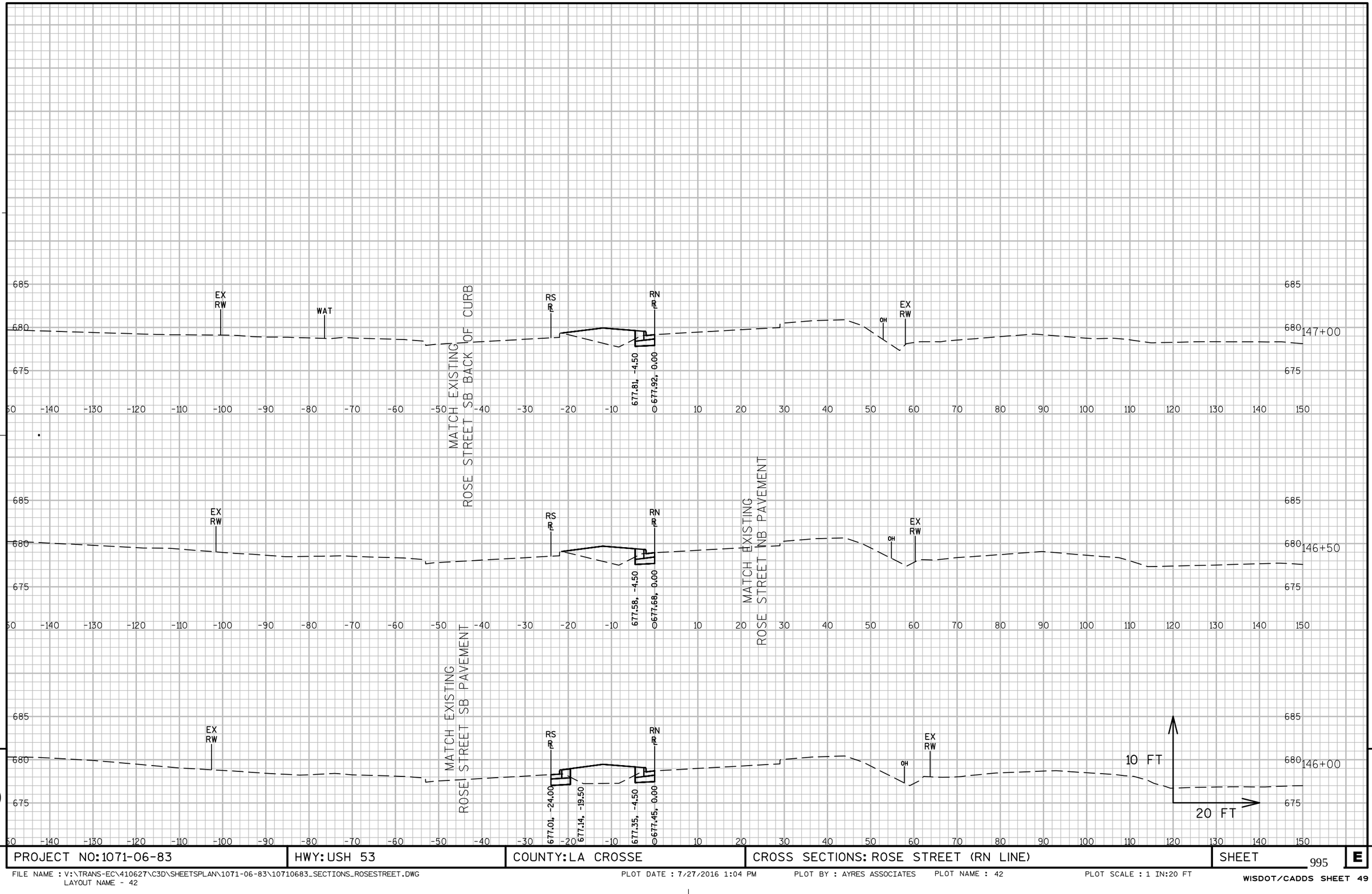


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 994 E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 41

PLOT DATE : 7/27/2016 1:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 41 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

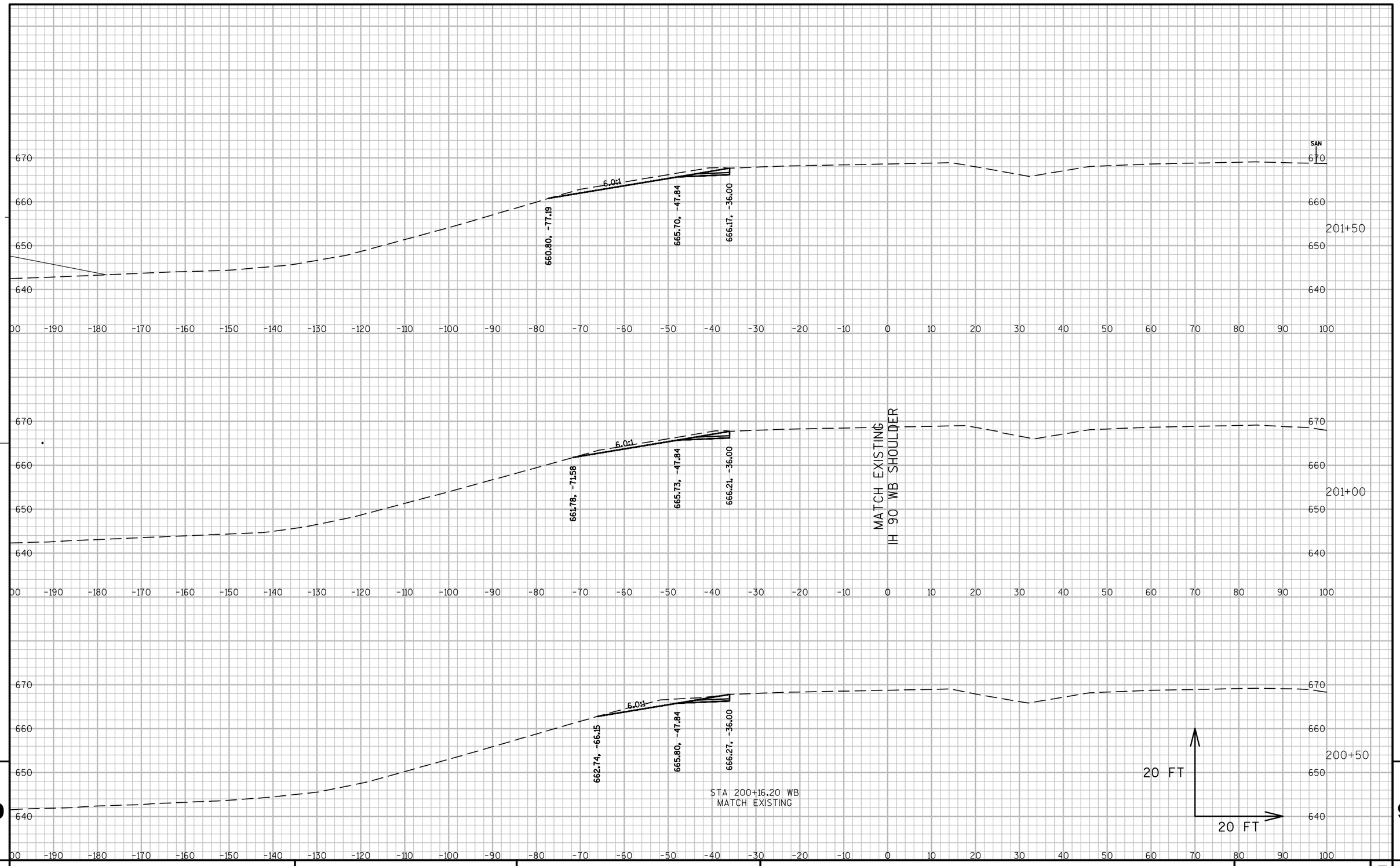
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ROSE STREET (RN LINE)	SHEET 995	E

FILE NAME : V:\TRANS-EC\410627\C3D\SHEETSPLAN\1071-06-83\10710683_SECTIONS_ROSESTREET.DWG
LAYOUT NAME - 42

PLOT DATE : 7/27/2016 1:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : 42 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS:IH 90 WESTBOUND	SHEET 996	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090201_XSWB

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090201_xswb PLOT SCALE : 1 IN:20 FT

PROPOSED G RAMP (TYP)

6.0:1

658.38, -92.05

665.75, -47.84

666.22, -36.00

203+00

MATCH EXISTING IH 90 WB SHOULDER

SAN

660.87, -76.88

665.71, -47.84

666.18, -36.00

202+50

SAN

660.89, -76.63

665.69, -47.84

666.16, -36.00

202+00

20 FT

20 FT

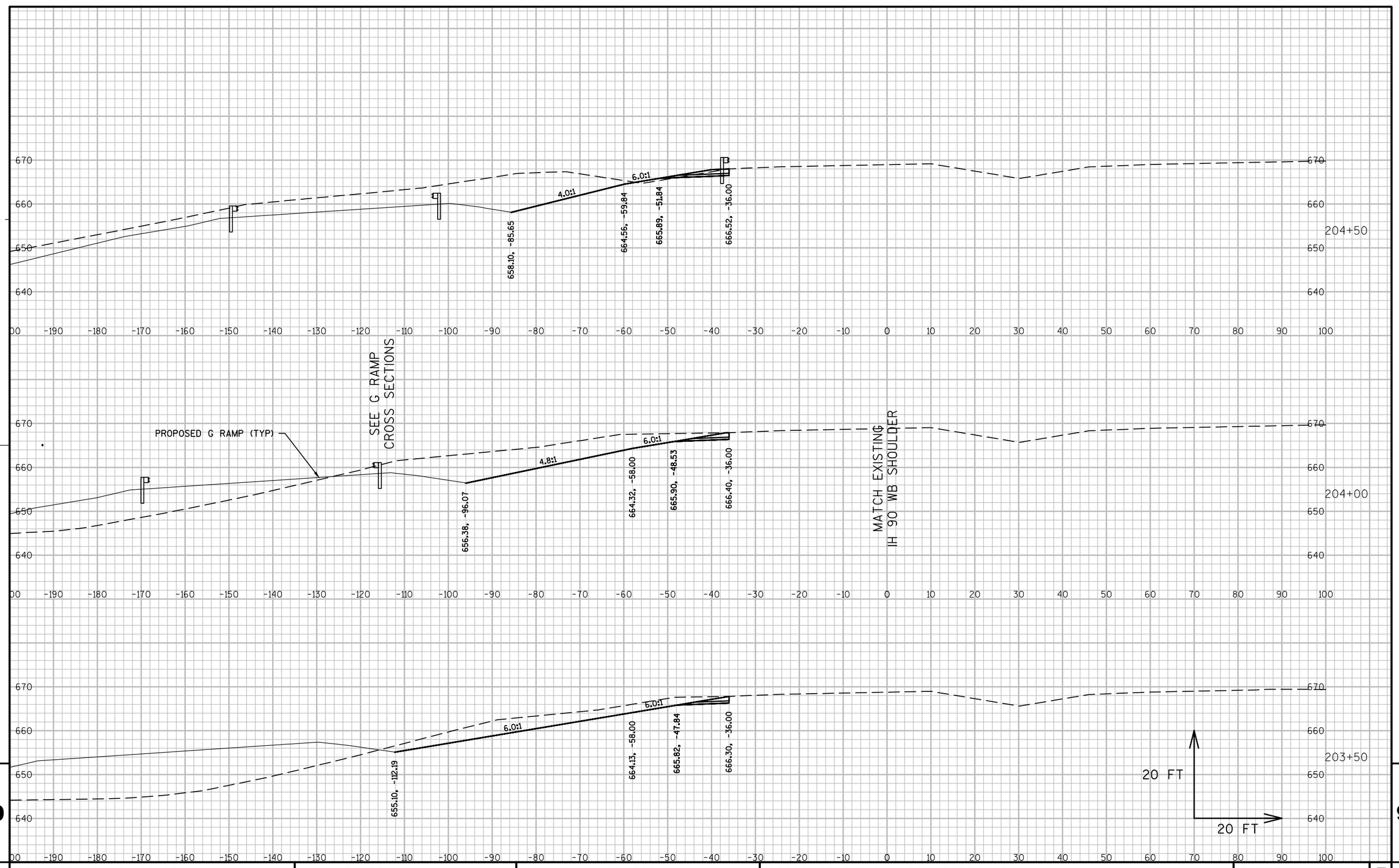
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS:IH 90 WESTBOUND	SHEET 997	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090202_XSWB

PLOT DATE : 7/27/2016 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090202_xswb PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: IH 90 WESTBOUND	SHEET 998 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090203_XSWB

PLOT DATE : 7/27/2016 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090203_xswb PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

206+00

680 670 660 650 640

-200 -190 -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

2.7:1 2.7:1

661.15, -59.79
663.79, -52.59
666.72, -44.59
667.07, -36.00

PROPOSED G RAMP (TYP)

SEE G RAMP CROSS SECTIONS

MATCH EXISTING IH 90 WB SHOULDER

205+50

680 670 660 650 640

-200 -190 -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

3.3:1 3.3:1

660.05, -67.15
664.07, -53.77
666.47, -45.77
666.86, -36.00

205+00

680 670 660 650 640

-200 -190 -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

4.0:1 4.3:1

659.17, -76.45
664.34, -55.76
666.21, -47.76
666.68, -36.00

20 FT
20 FT

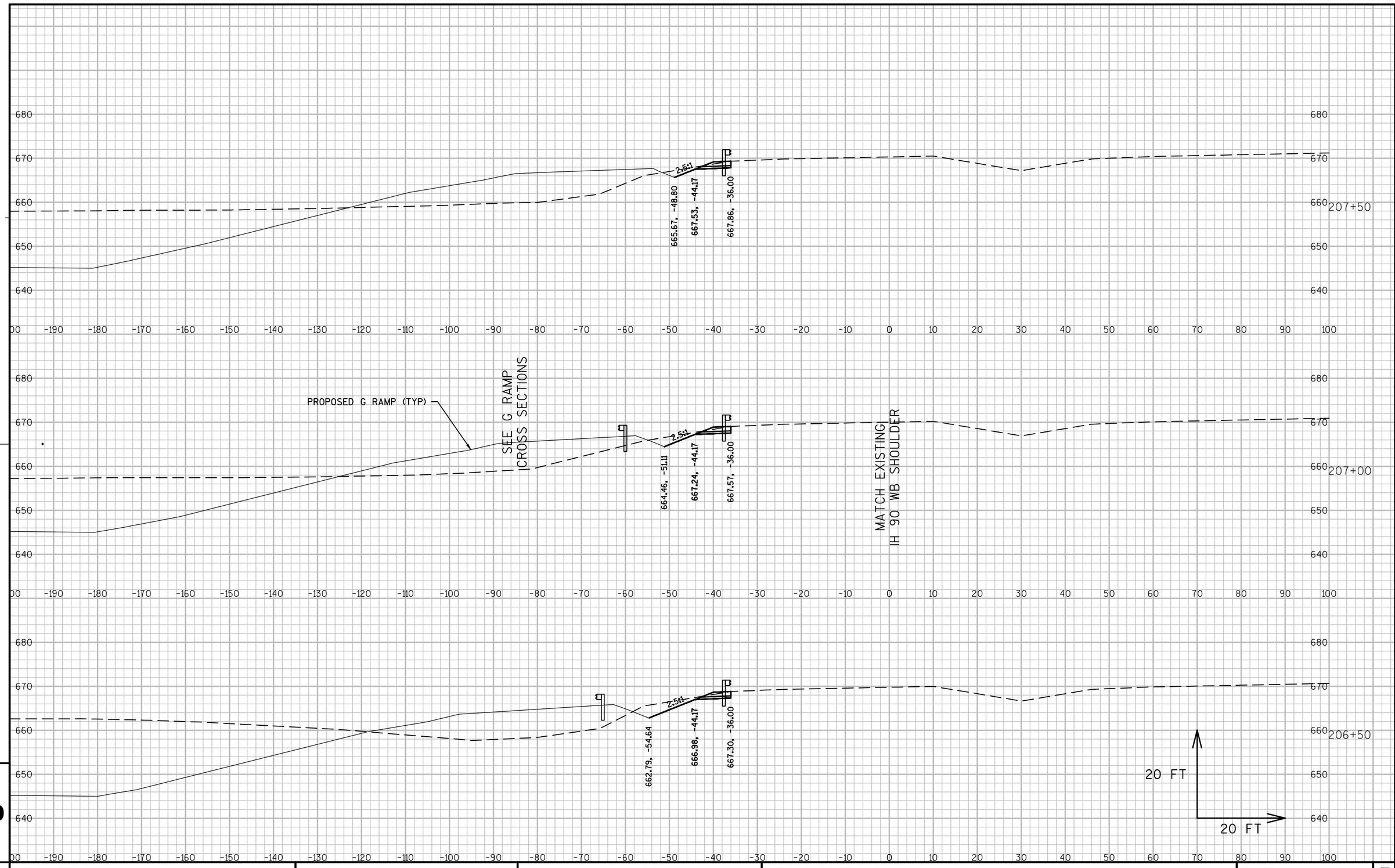
9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: IH 90 WESTBOUND	SHEET 999	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090204_XSWB

PLOT DATE : 7/27/2016 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090204_xswb PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



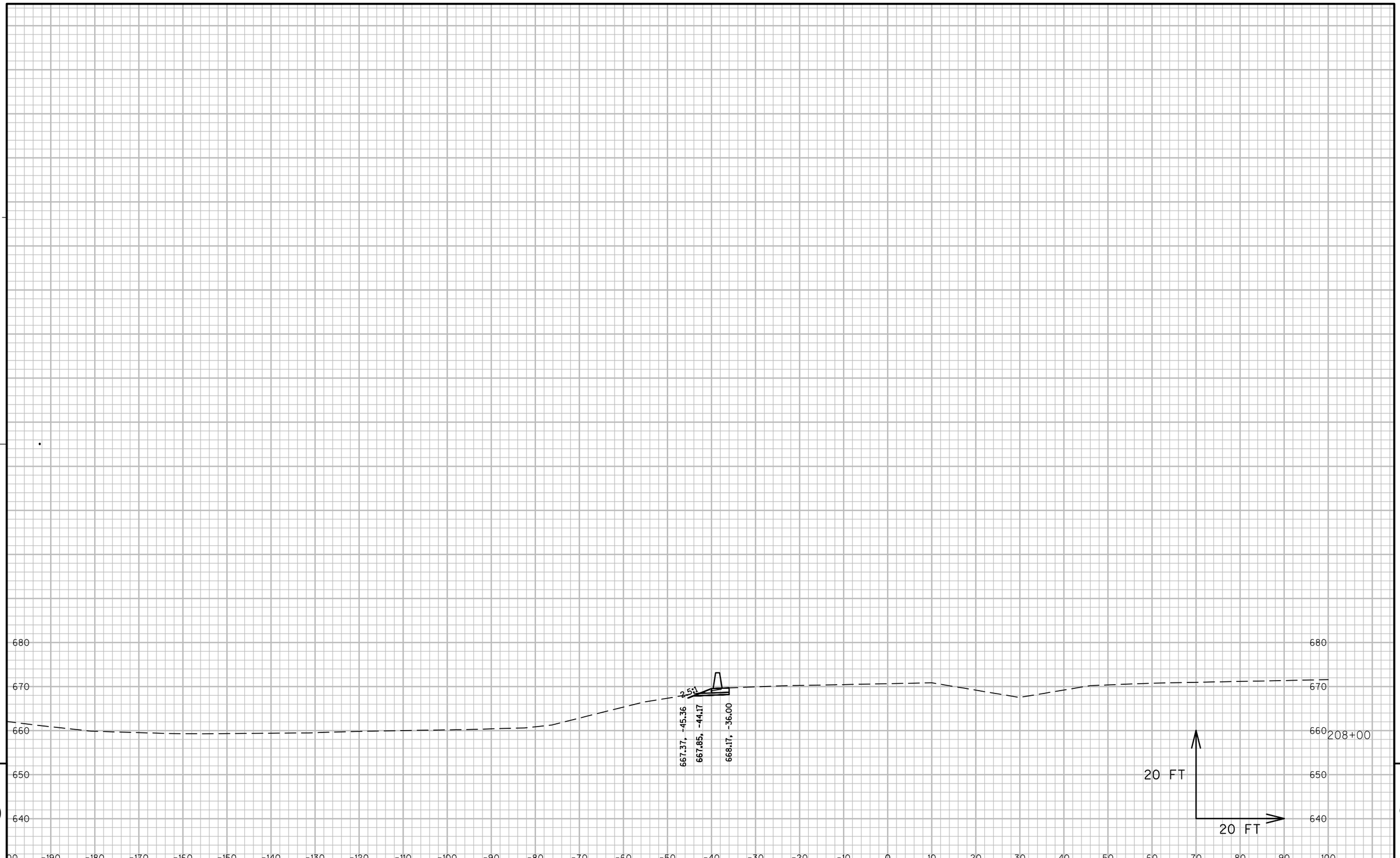
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS:IH 90 WESTBOUND	SHEET 1000	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090205_XSWB

PLOT DATE : 7/27/2016 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090205_xswb PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: IH 90 WESTBOUND	SHEET 1001	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090206_XSWB

PLOT DATE : 7/27/2016 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090206_xswb PLOT SCALE : 1 IN:20 FT

9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1002	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090201_XSE

PLOT DATE : 7/27/2016 10:28 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1003	E

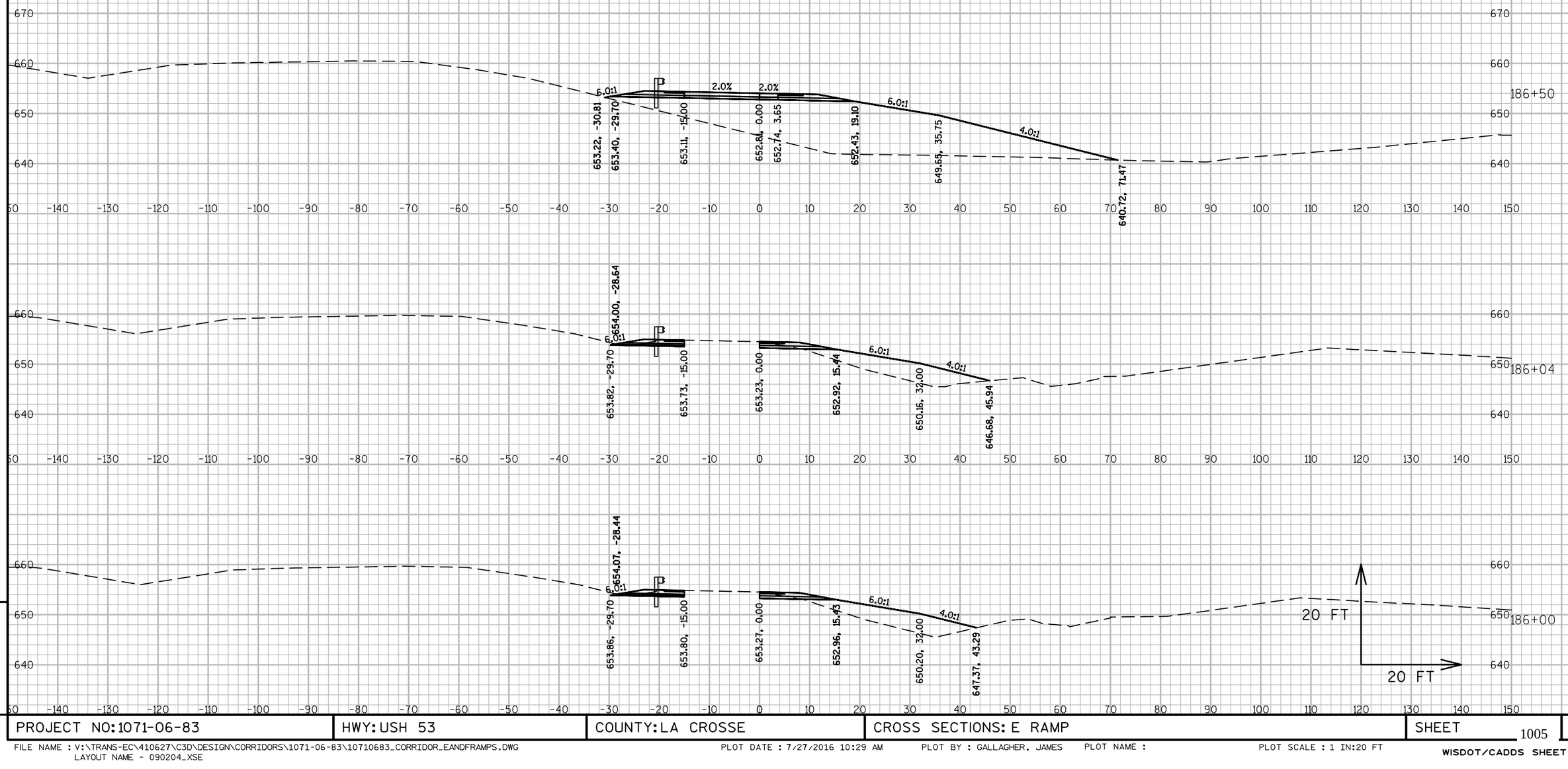
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090202_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1004	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090203_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



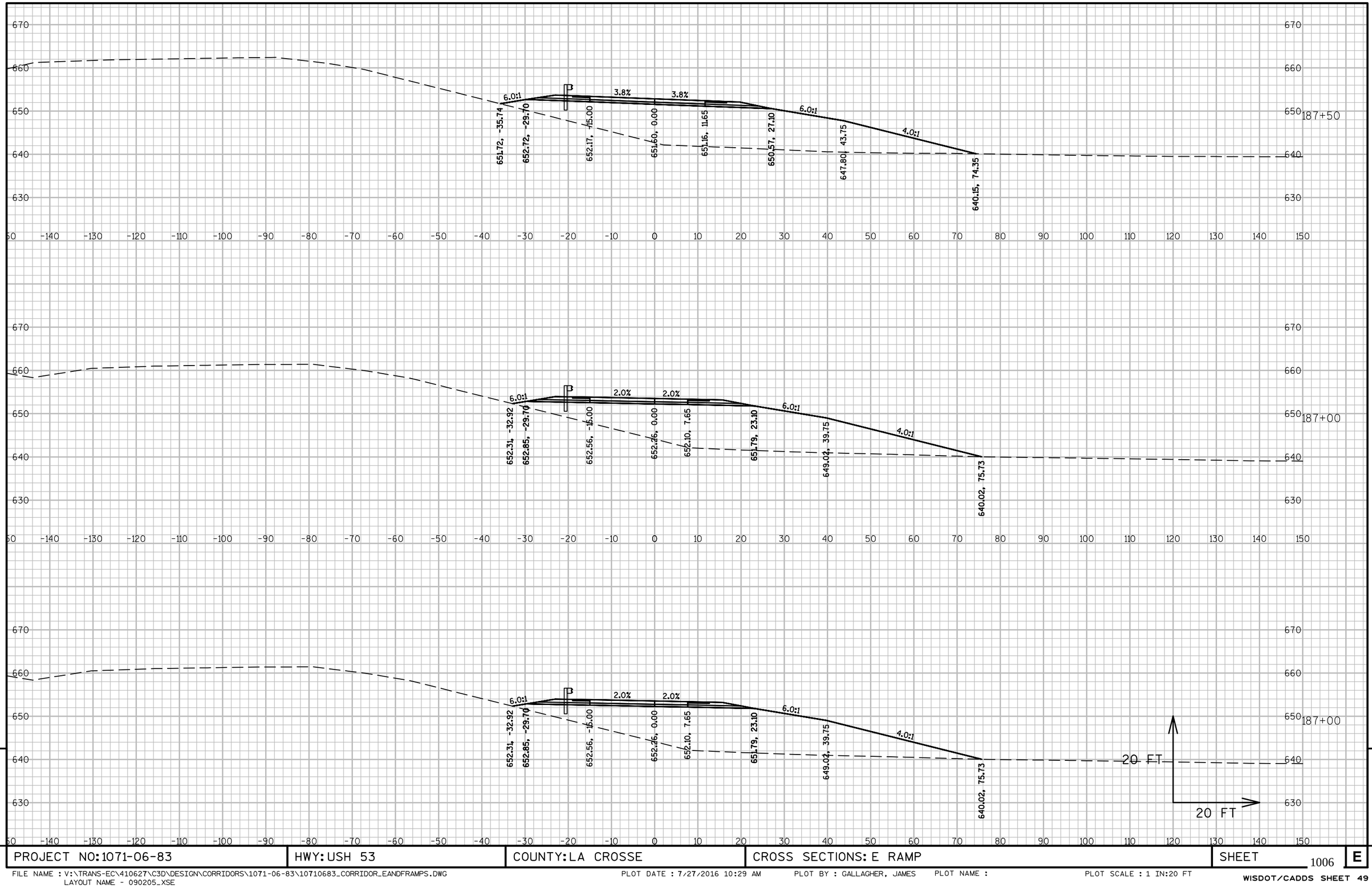
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1005	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090204_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



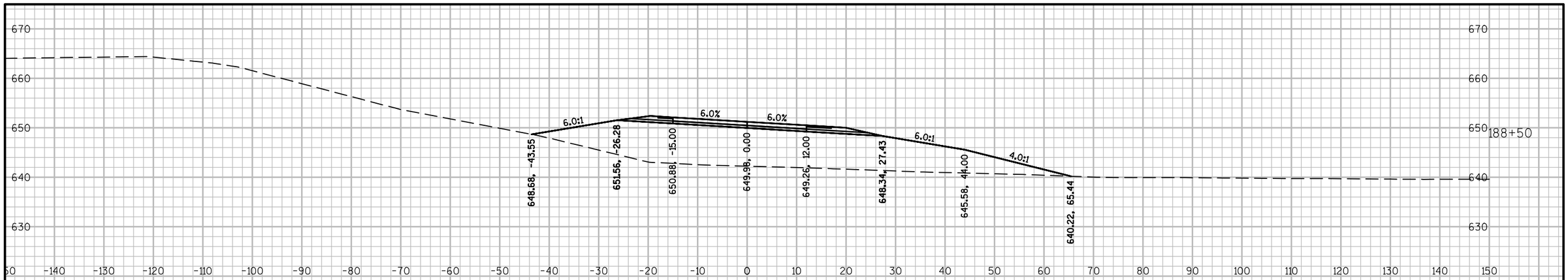
9

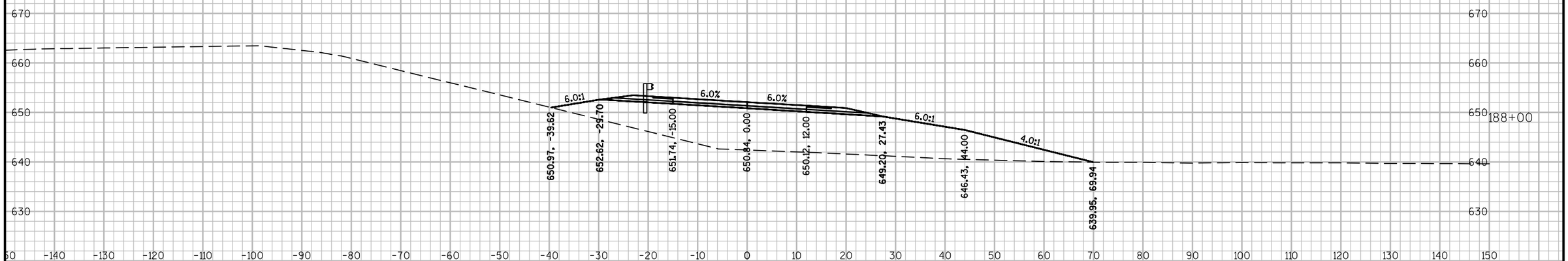
9

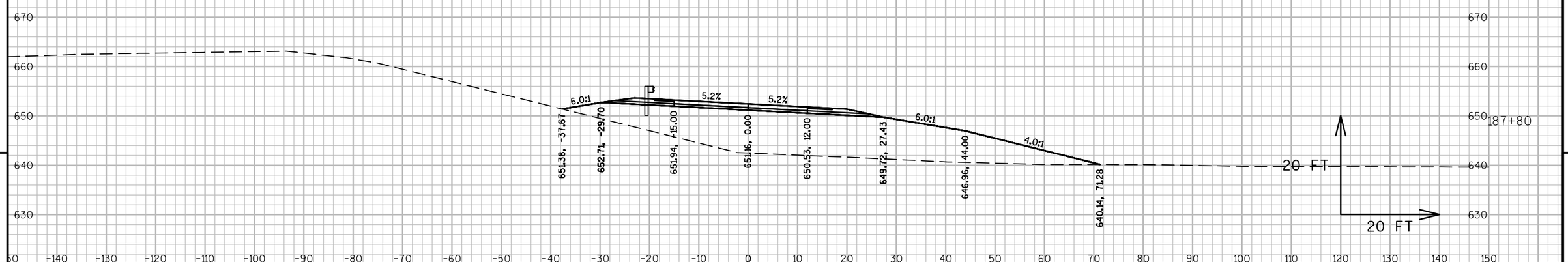
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1006	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090205_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







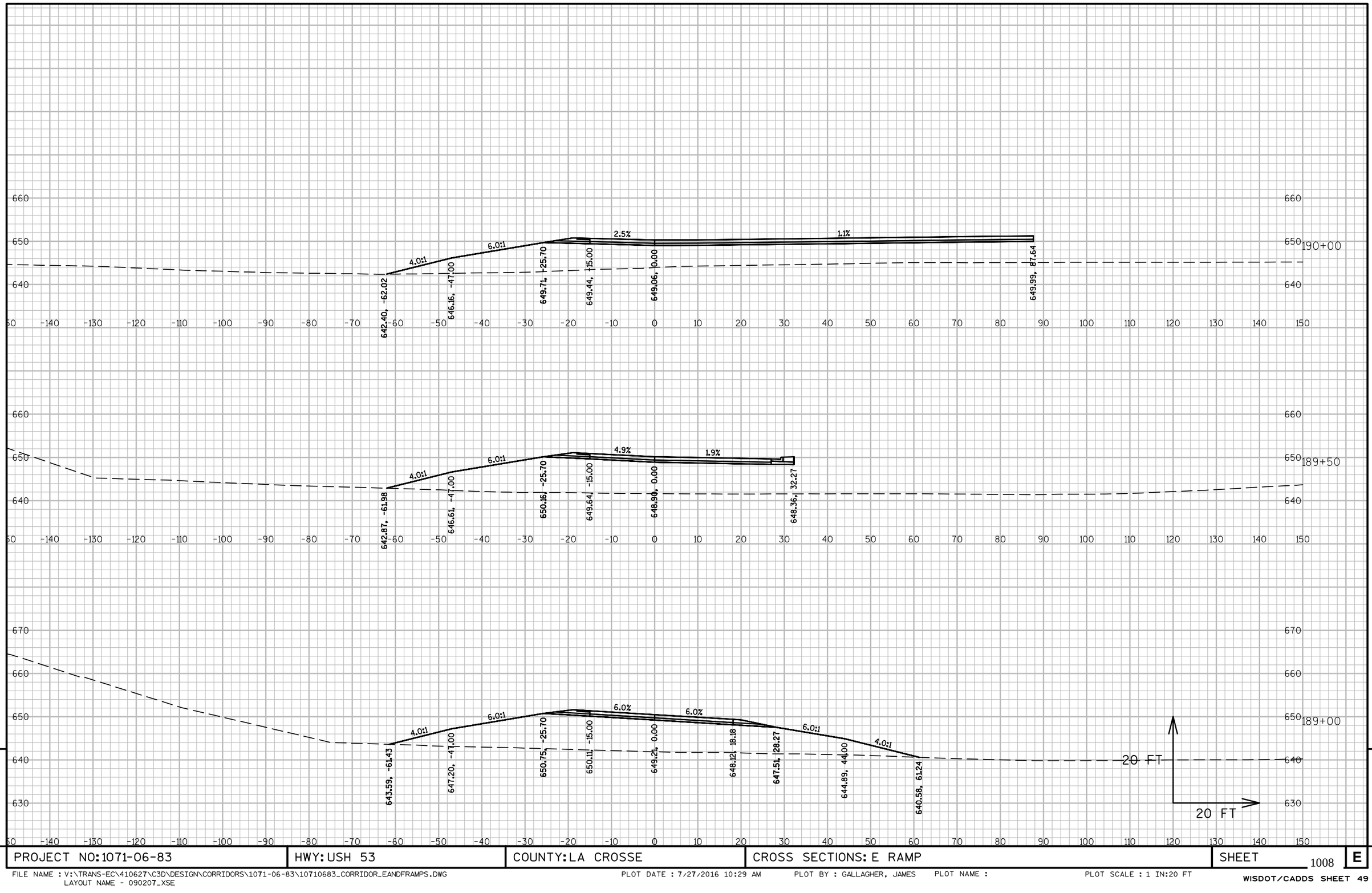
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1007	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090206_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: E RAMP	SHEET 1008 E

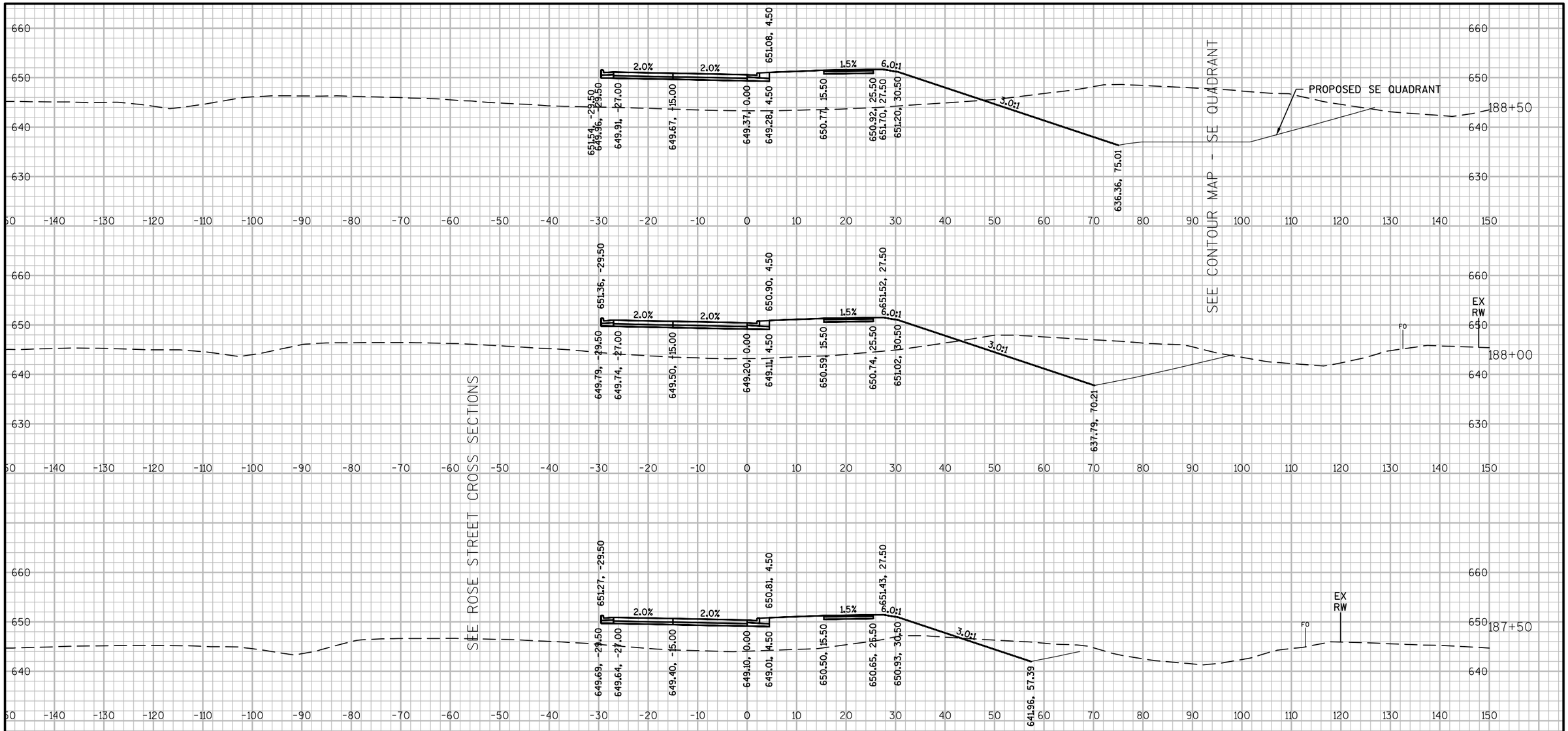
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090207_XSE

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

SEE STREET CROSS SECTIONS

SEE CONTOUR MAP - SE QUADRANT



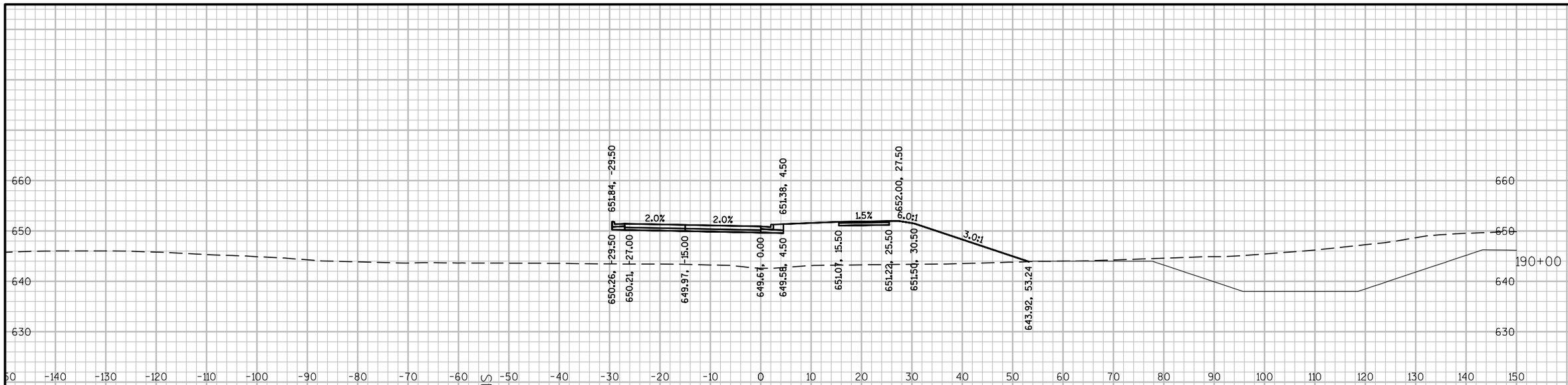
9

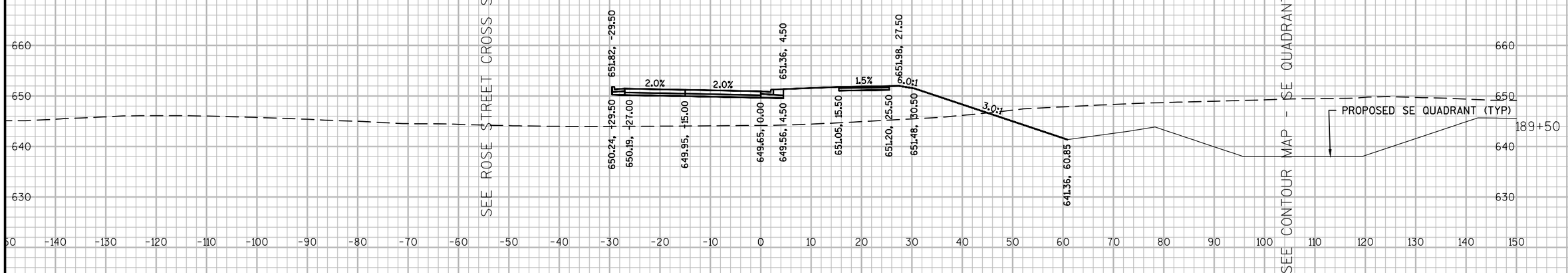
9

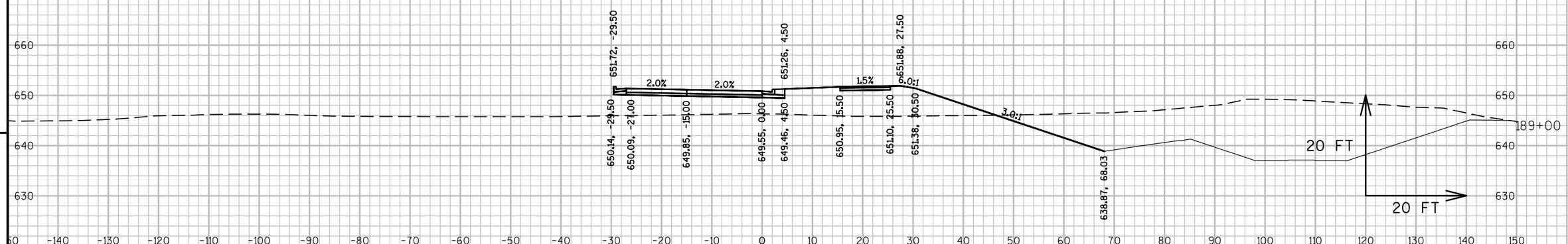
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1009 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090201_XSF

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



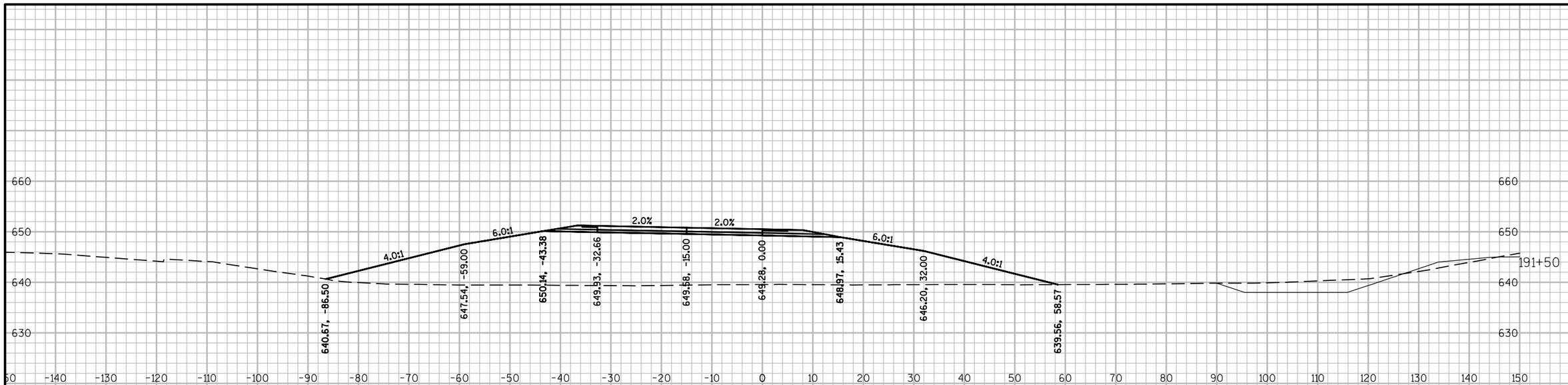


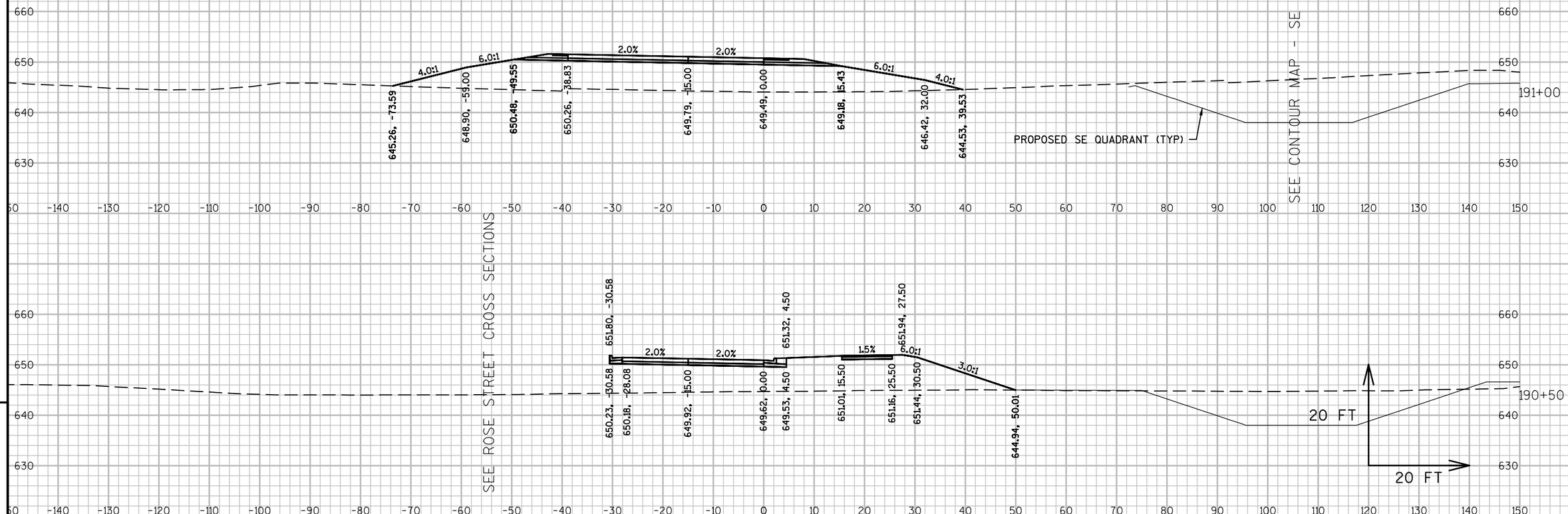


9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1010 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090202_XSF
PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49





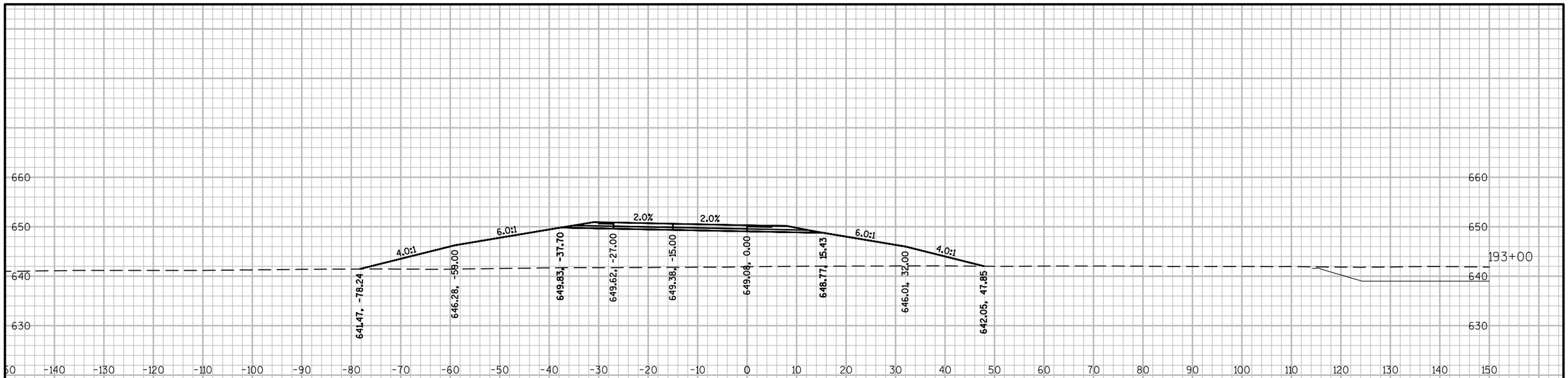
9

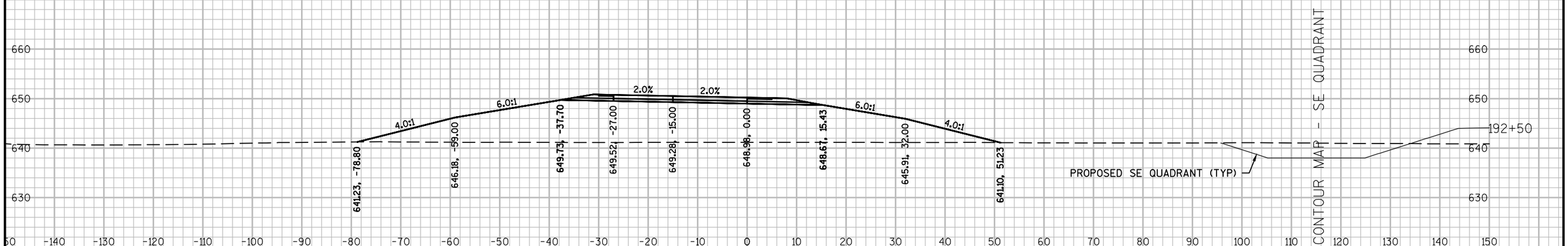
9

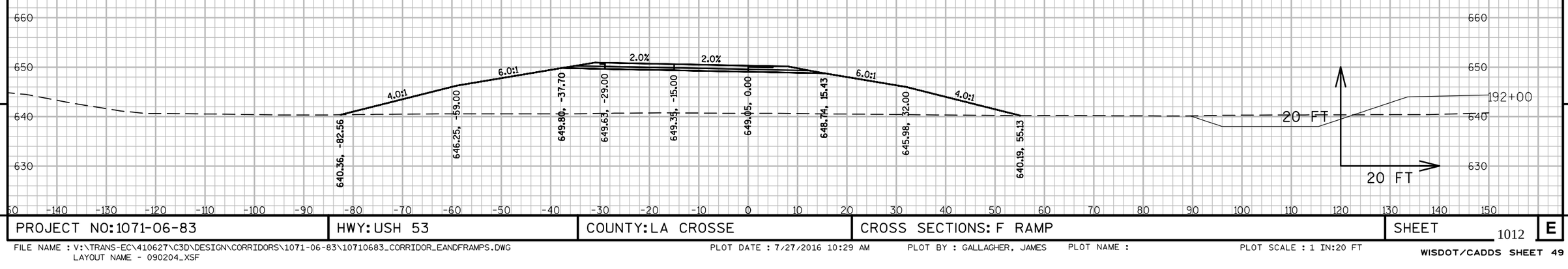
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1011	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090203_XSF

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT





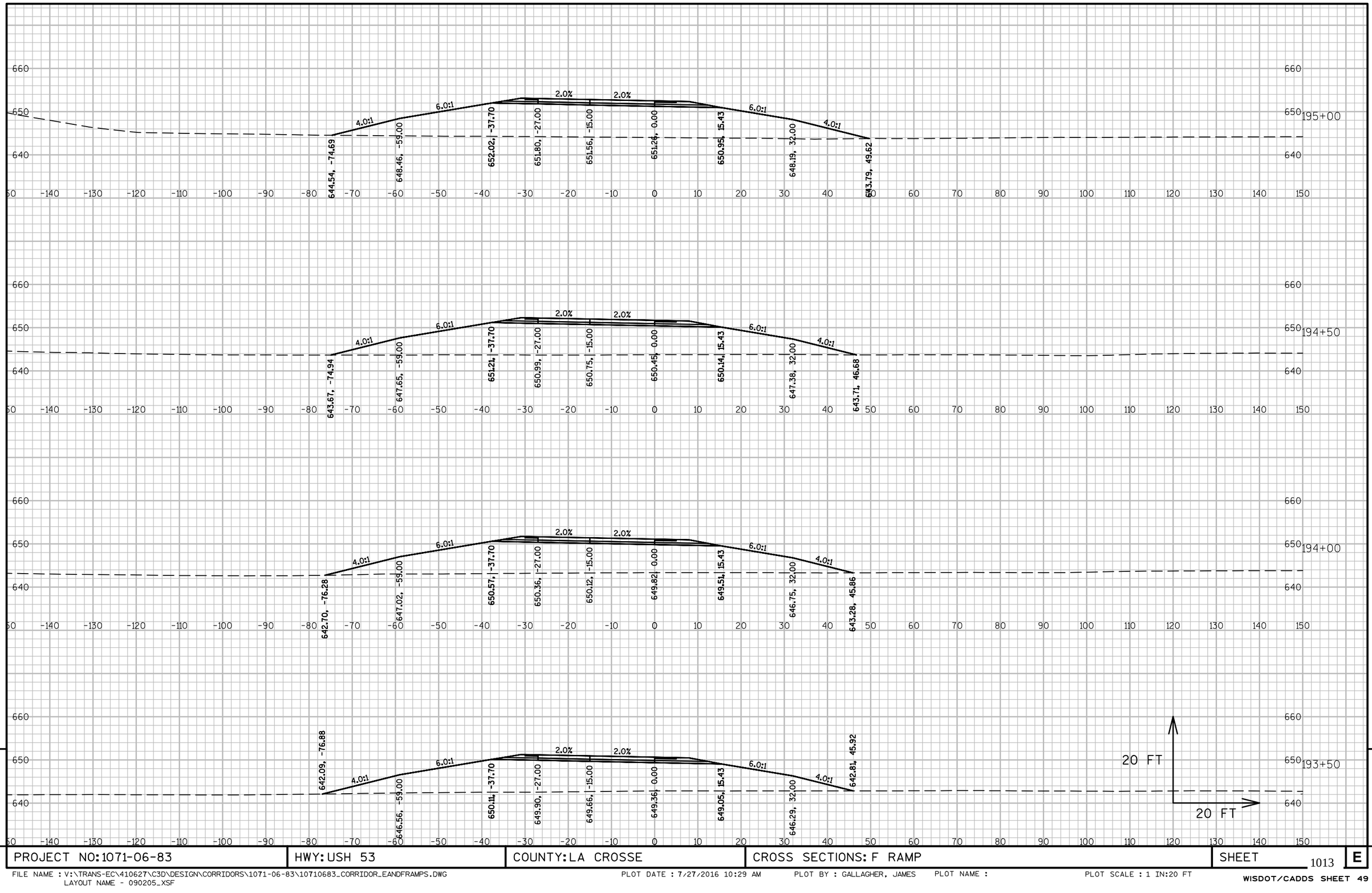


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1012	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090204_XSF
PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

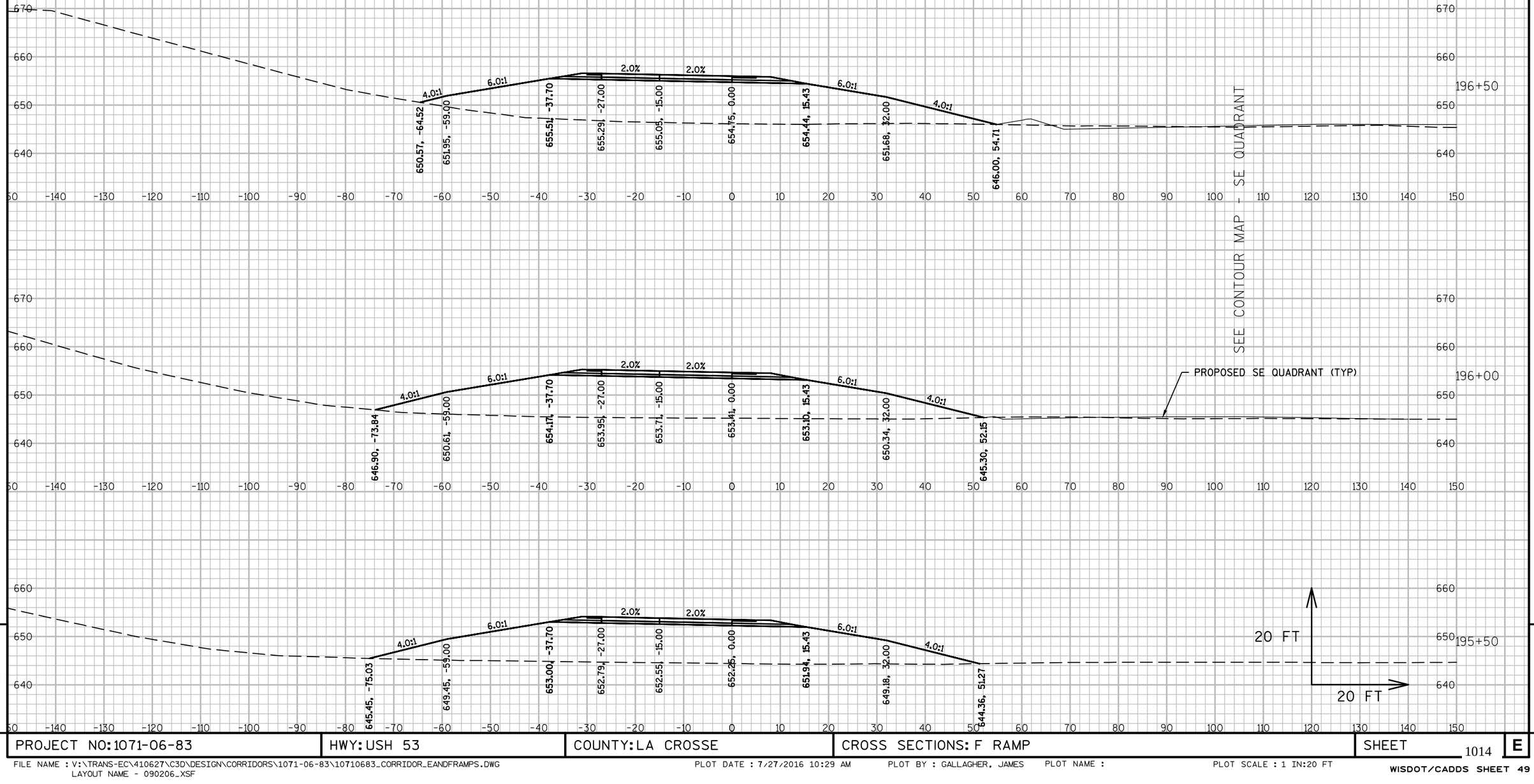


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1013	E

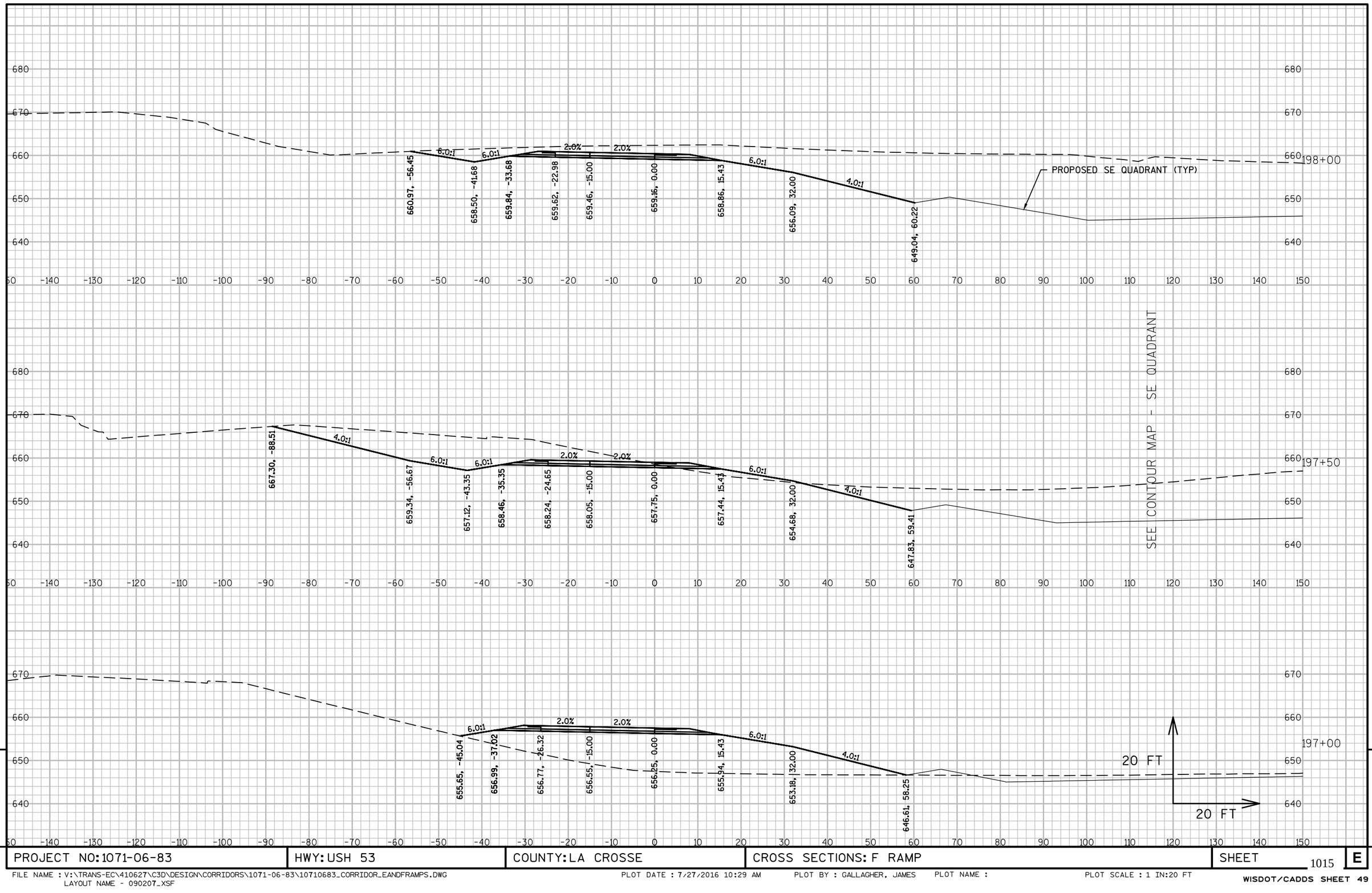
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090205_XSF
PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9 9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1014	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090206_XSF
PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1015	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090207_XSF

PLOT DATE : 7/27/2016 10:29 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1016	E

9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1017	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090209_XSF

PLOT DATE : 7/27/2016 10:30 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

202+00

SAN

666.59, -0.00
665.76, 17.14
664.42, 25.14
663.28, 32.00
657.49, 55.17

6.0:1
6.0:1
4.0:1

FO

EX
RW

201+50

SAN

665.99, -0.00
664.96, 17.14
662.48, 32.00
657.26, 63.30

6.0:1
6.0:1

FO

MATCH EXISTING
F RAMP PAVEMENT

201+00

665.53, 0.00
664.60, 15.43
661.84, 32.00
656.25, 59.98

6.0:1
5.0:1

SAN

PROPOSED SE QUADRANT

SEE CONTOUR MAP - SE QUADRANT

FO

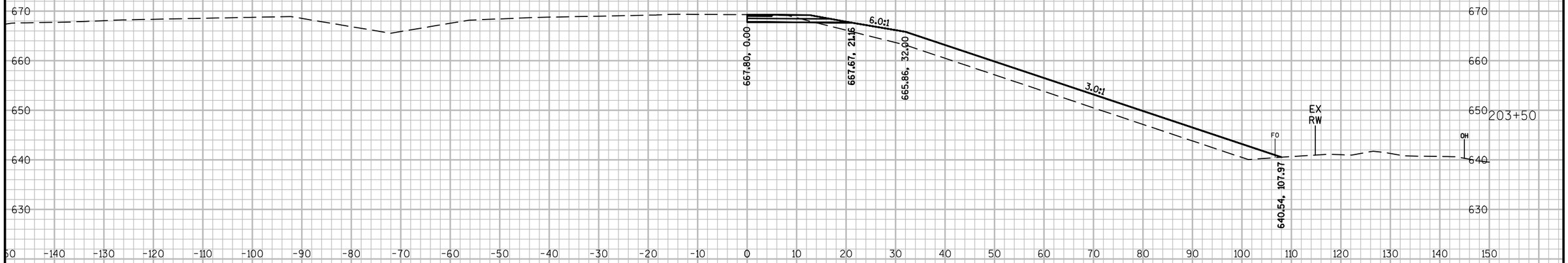
20 FT
20 FT

9

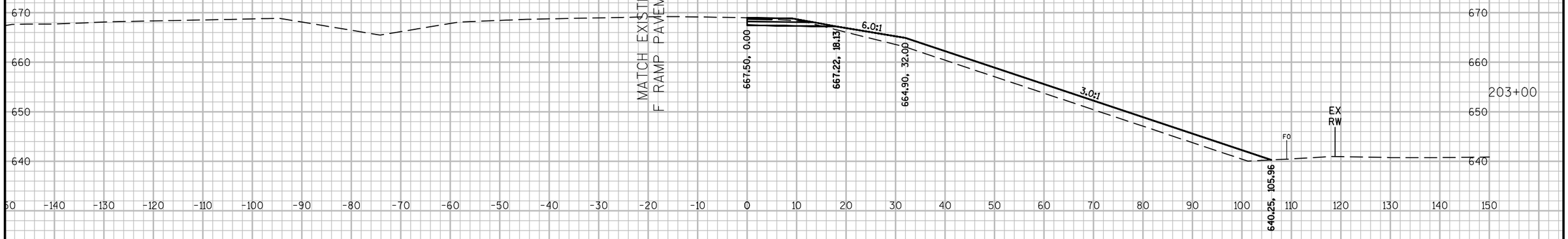
9

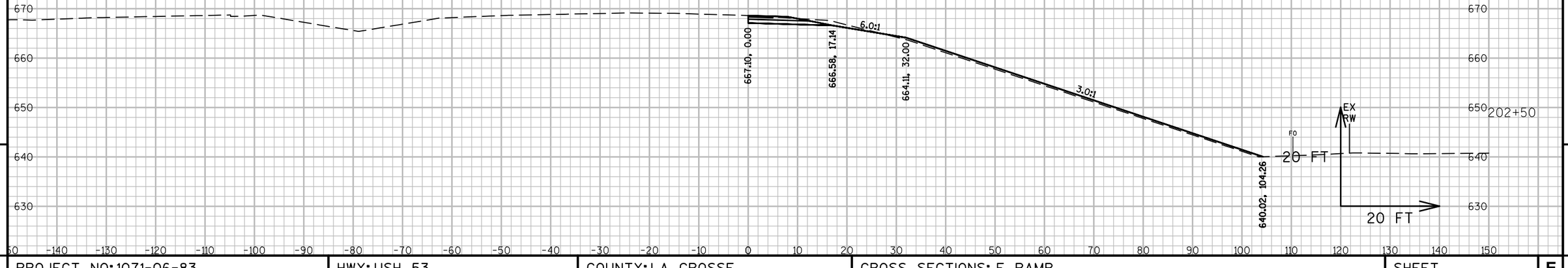
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS:F RAMP	SHEET 1018	E

STA 203+73.07
MATCH EXISTING



MATCH EXISTING
F RAMP PAVEMENT

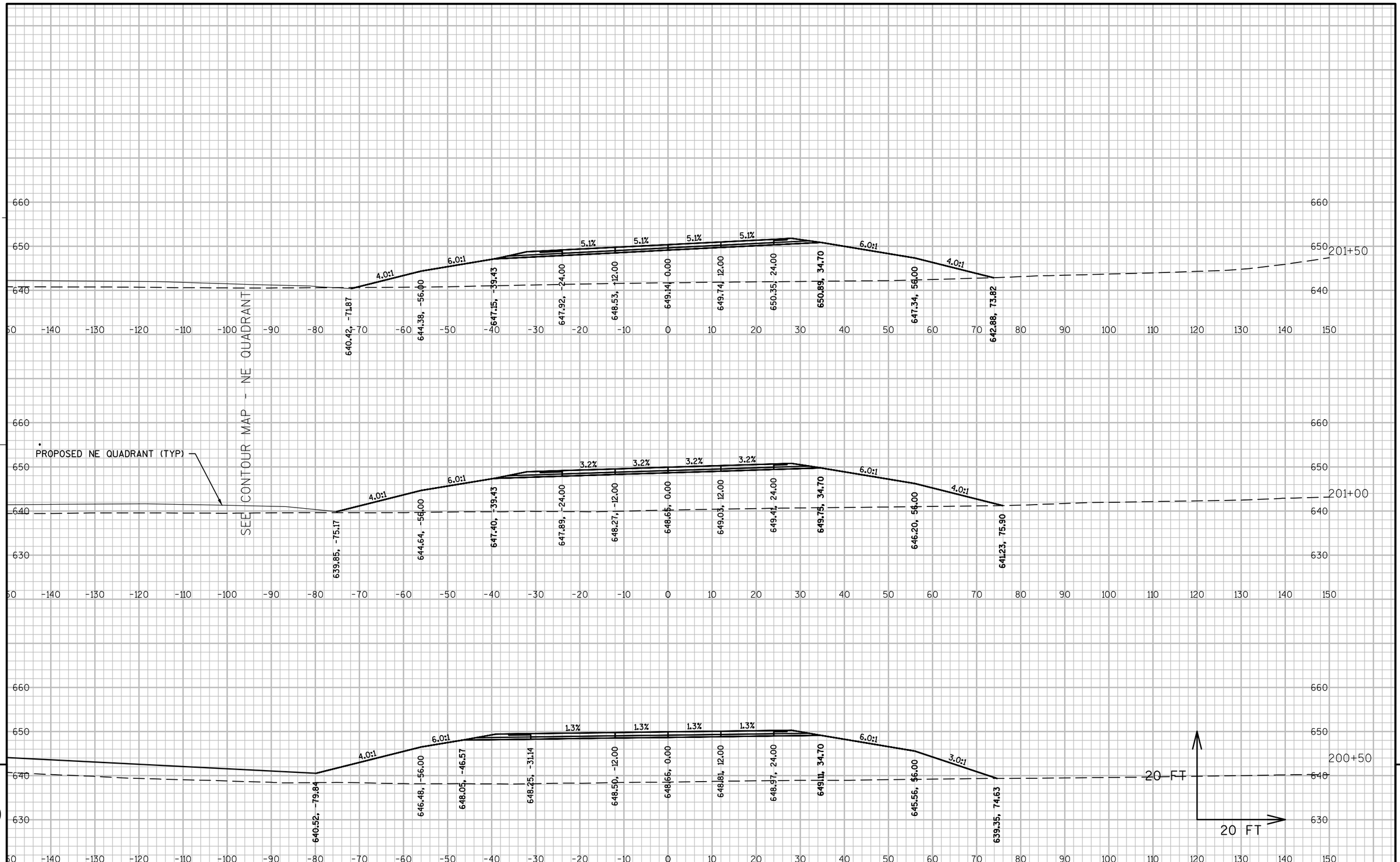




9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: F RAMP	SHEET 1019	E



9

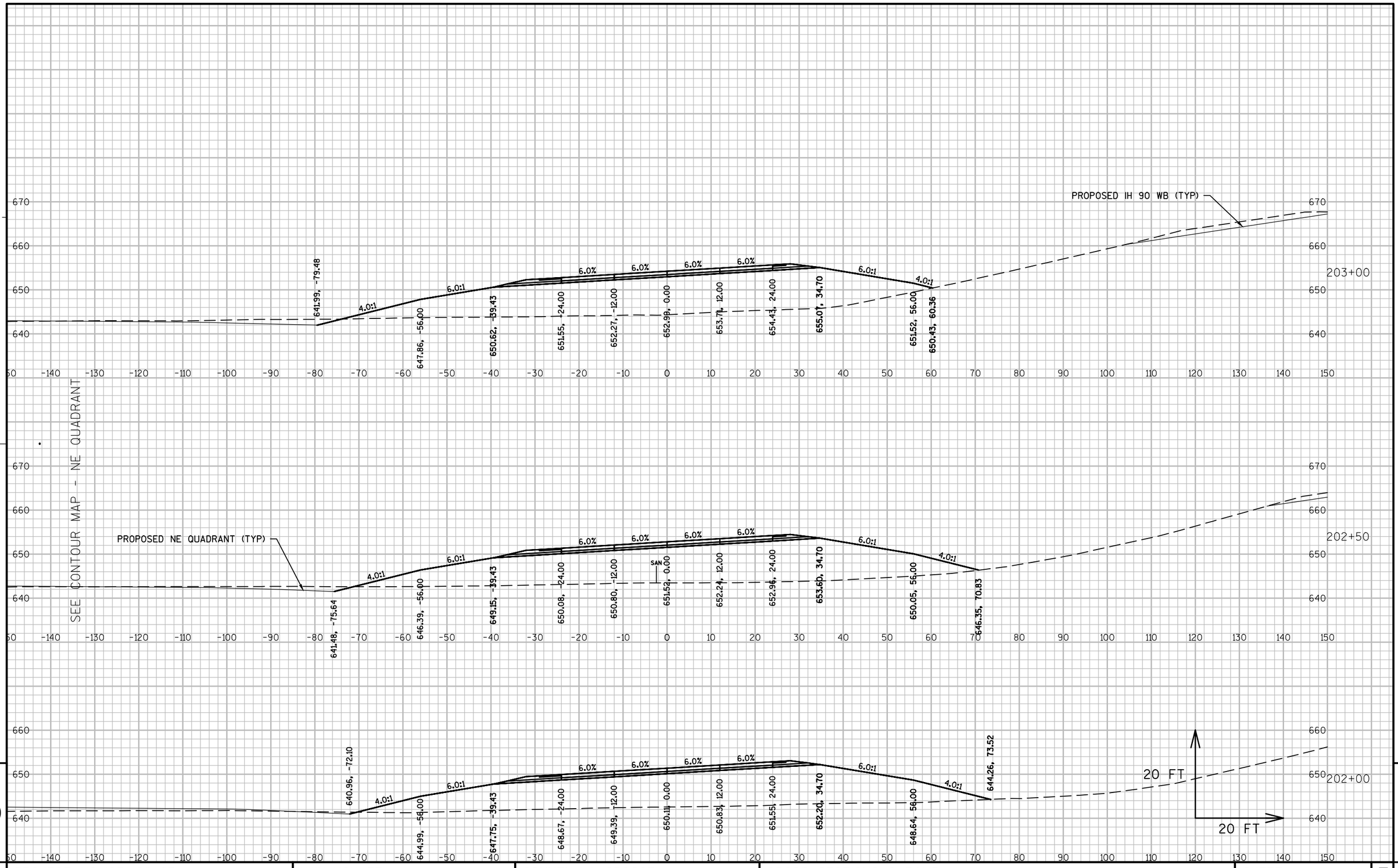
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1020	E

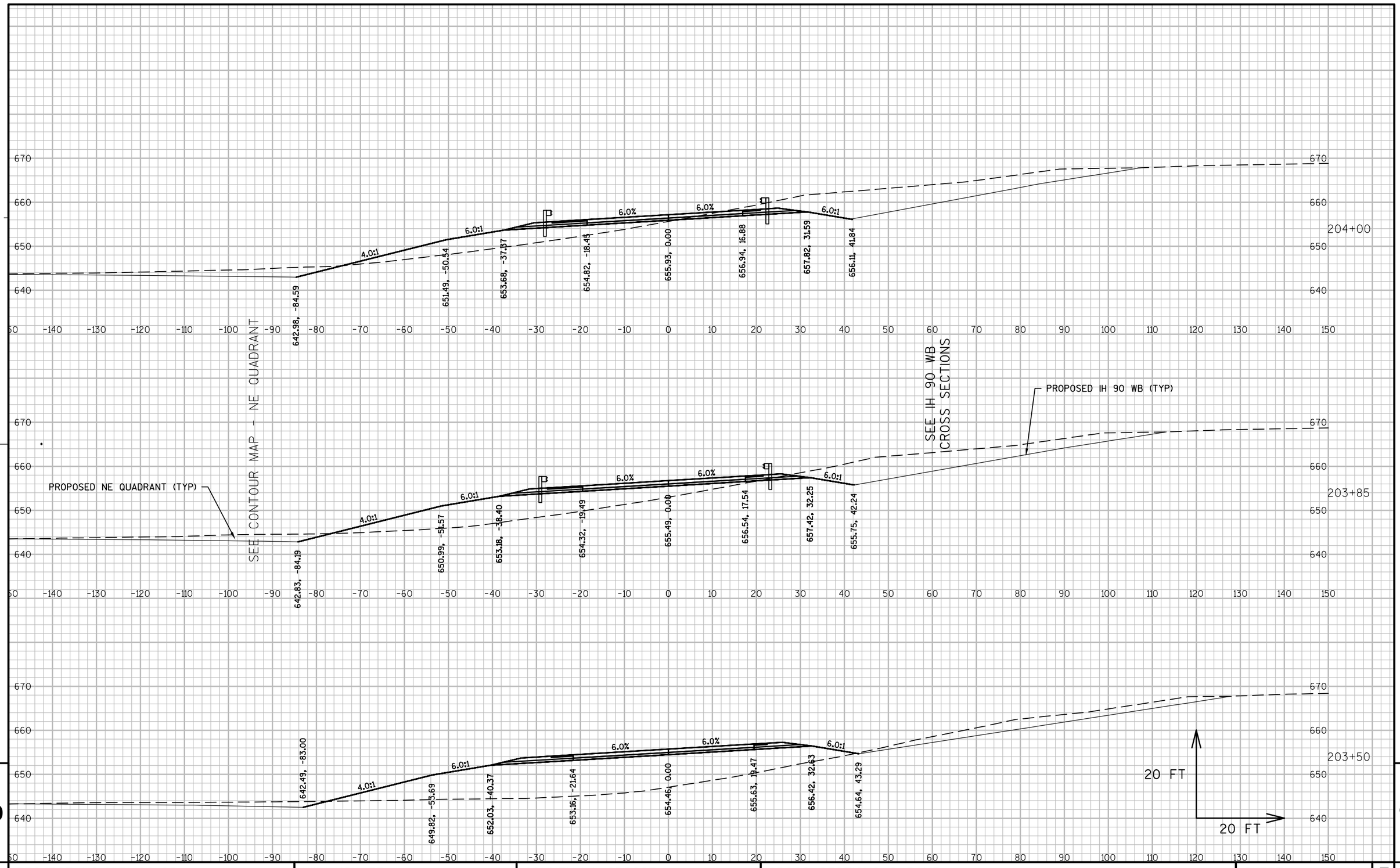
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090201_XSG

PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090201_xsg PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



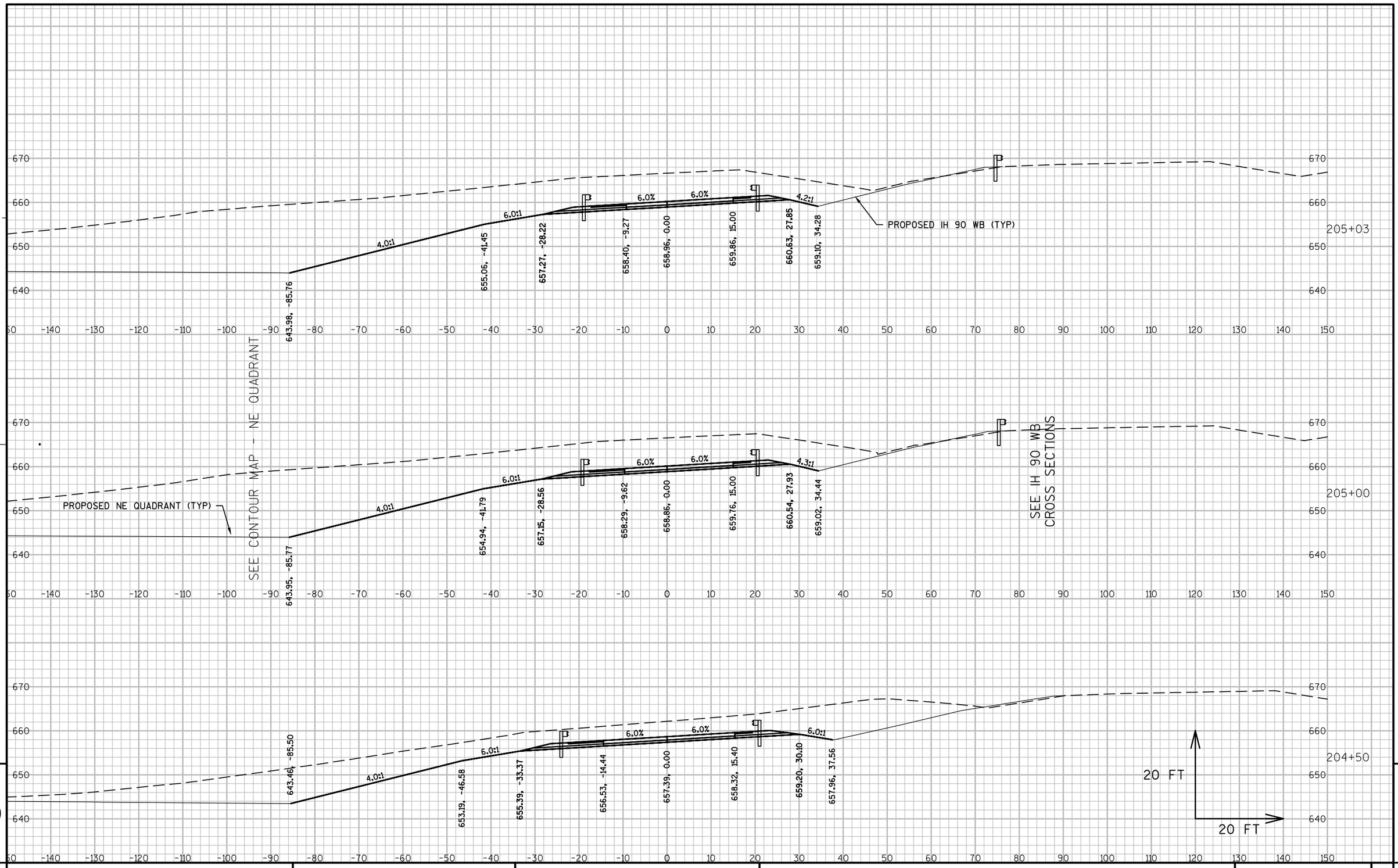
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1021 E



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1022	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090203_XSG

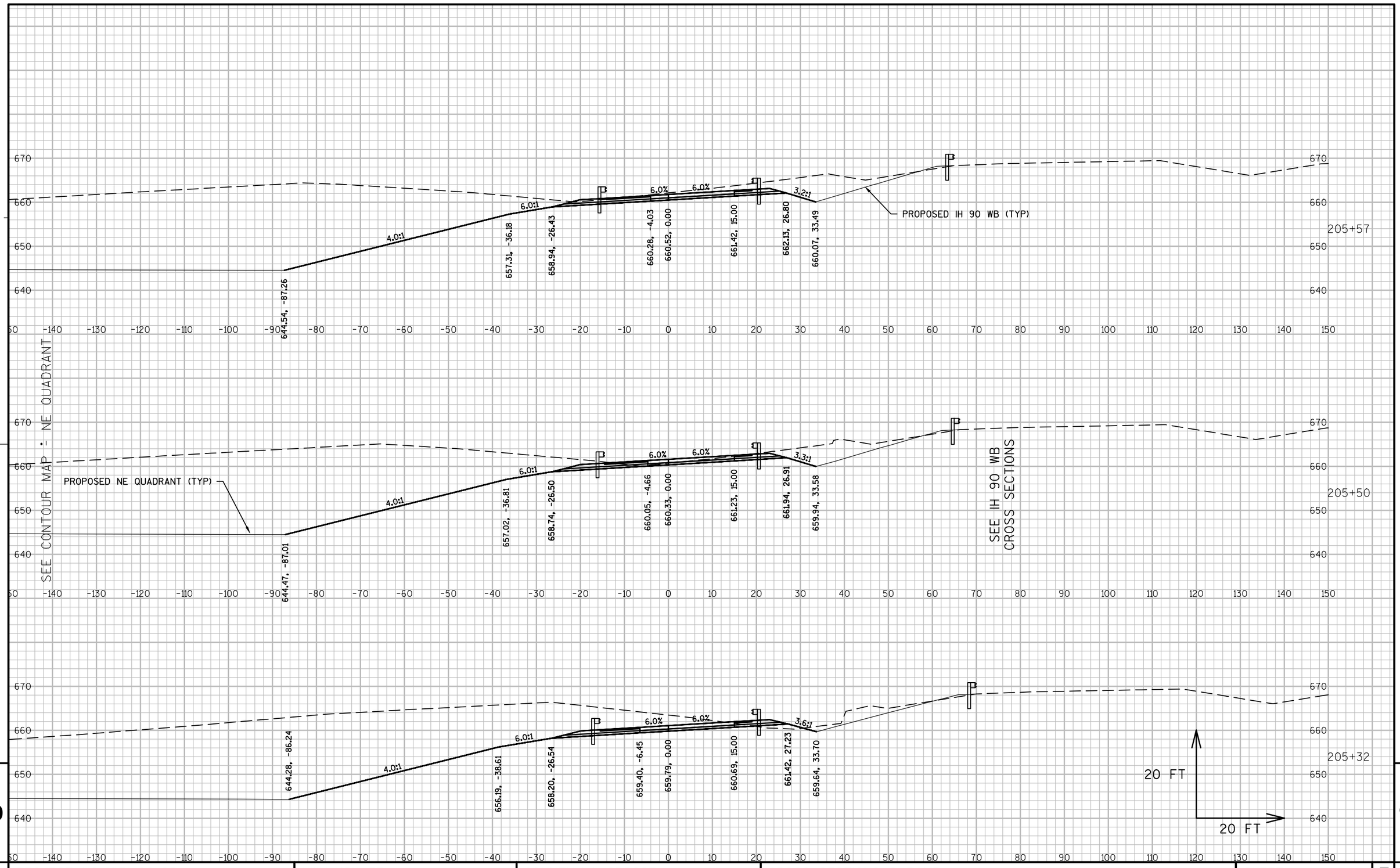
PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090203_xsg PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1023	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090204_XSG

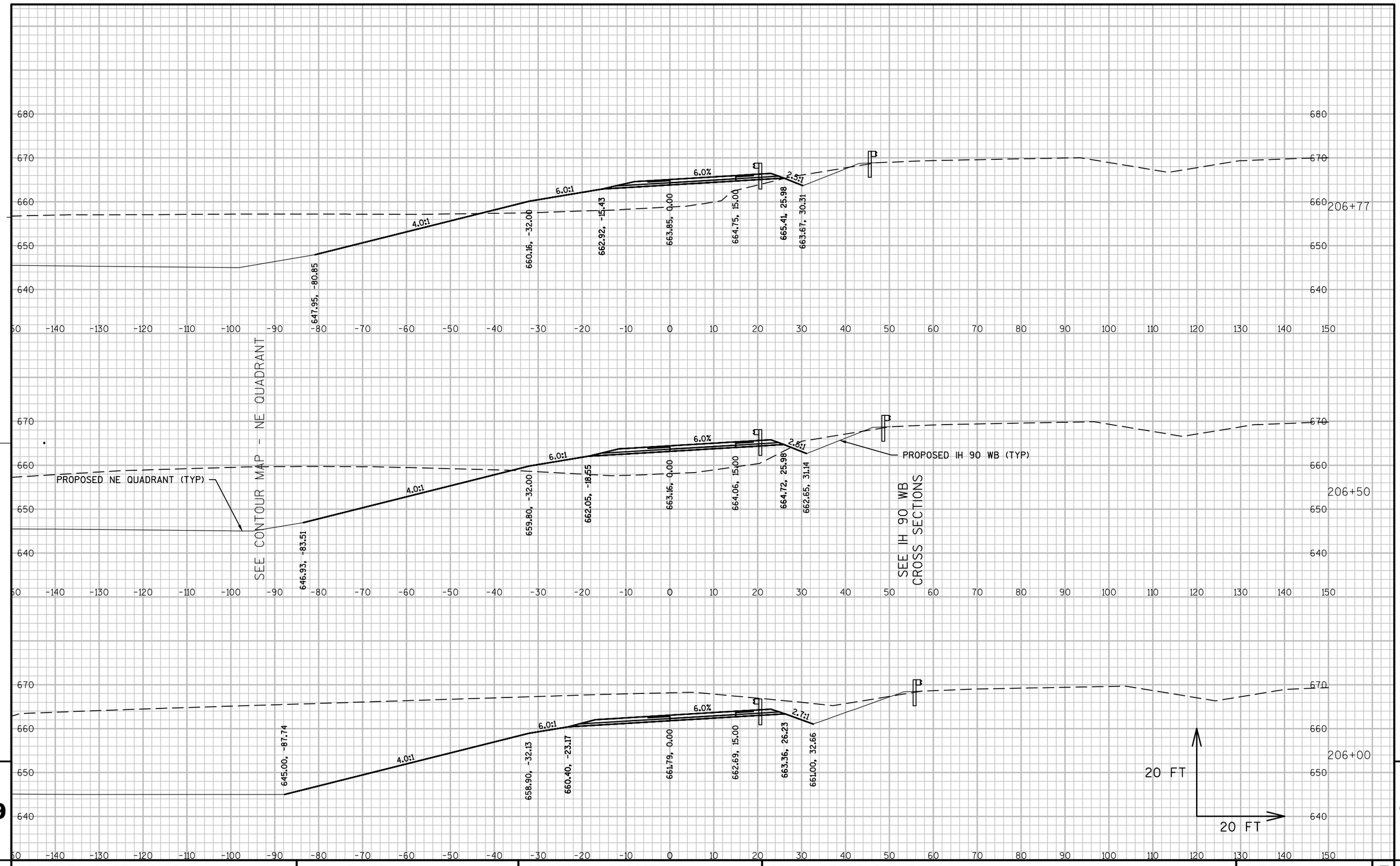
PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090204_xsg PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1024 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090205_XSG

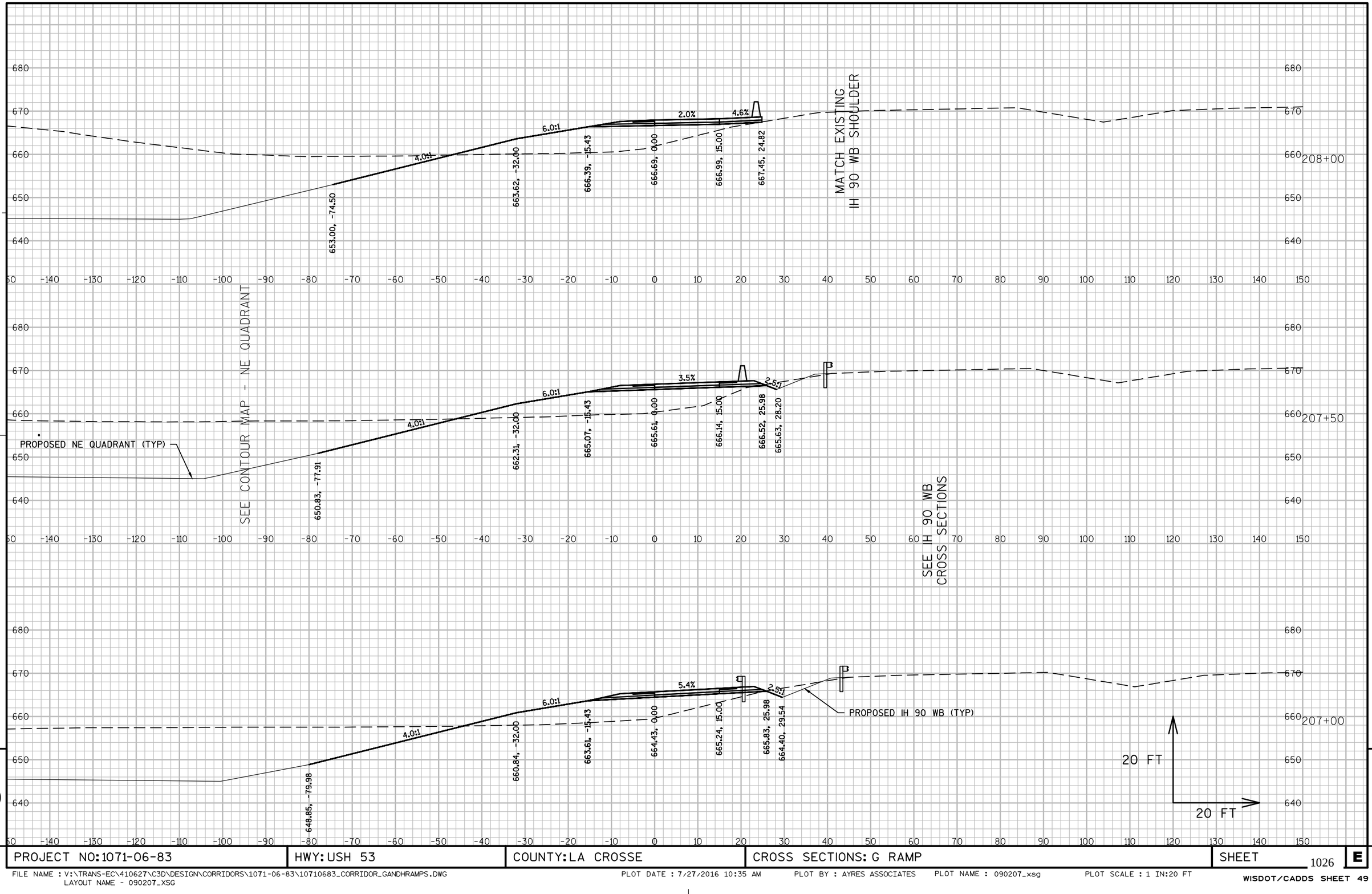
PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090205_xsg PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1025	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090206_XSG

PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090206_xsg PLOT SCALE : 1 IN:20 FT

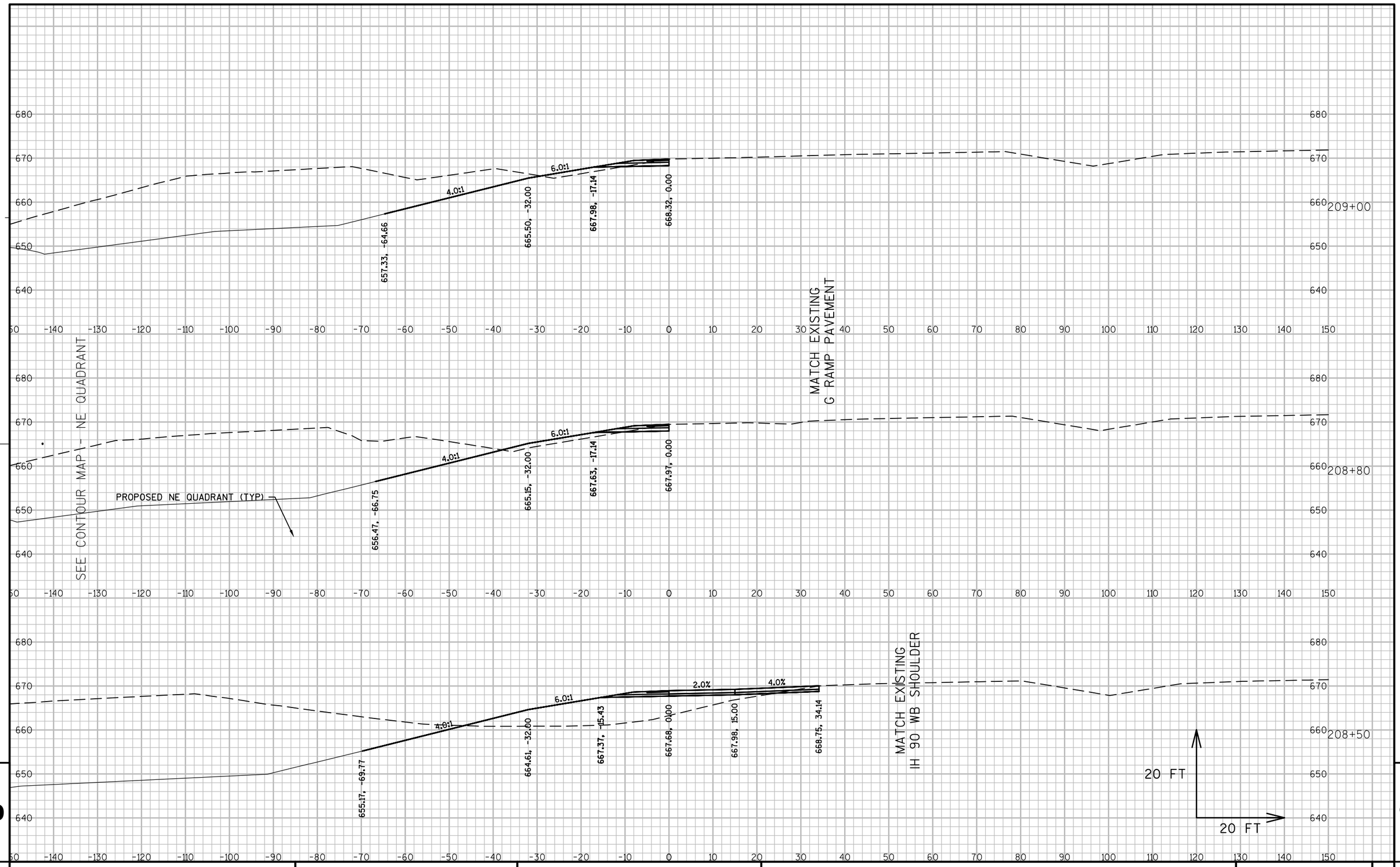


PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1026 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090207_XSG

PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090207_xsg PLOT SCALE : 1 IN:20 FT

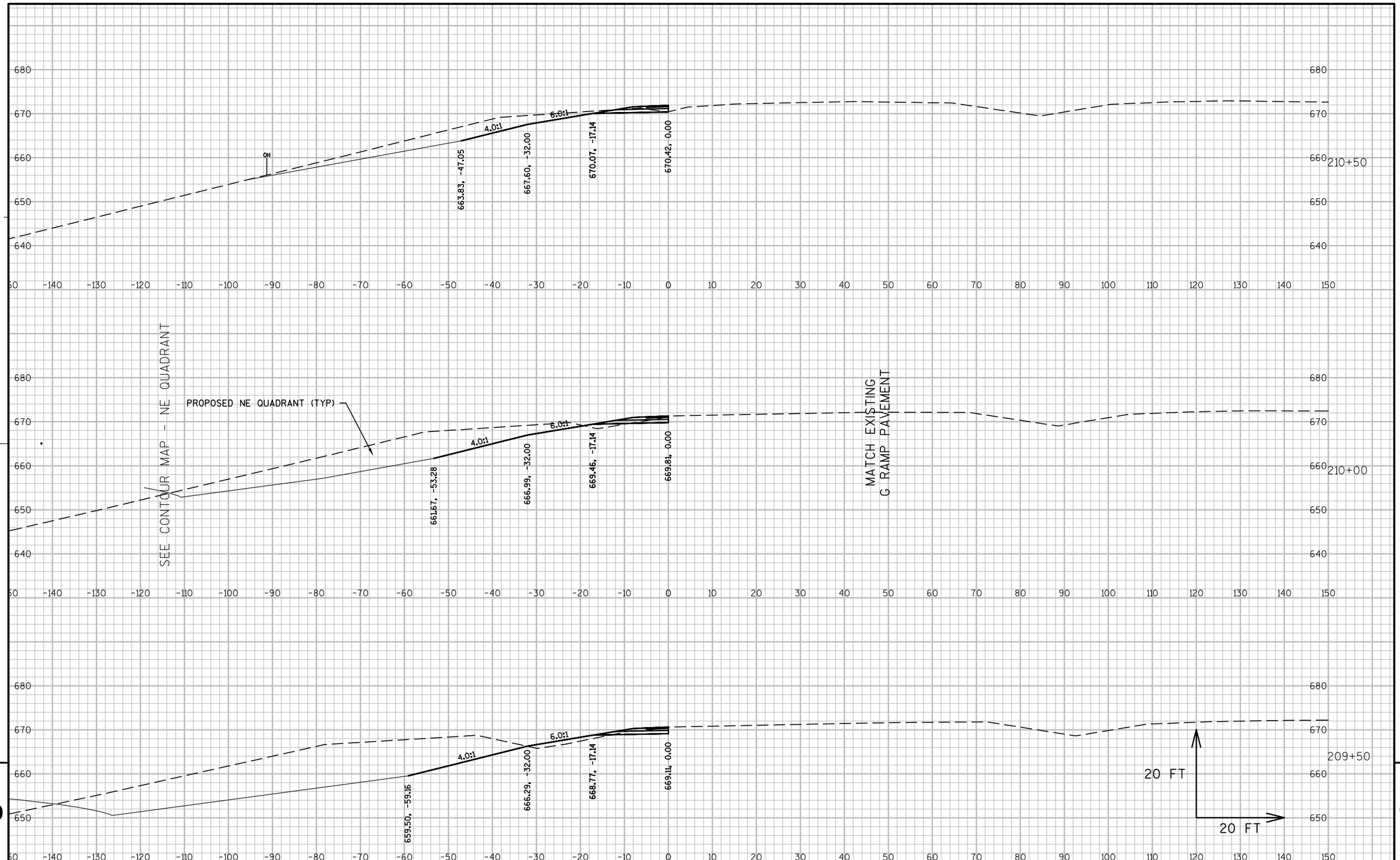
WISDOT/CADDS SHEET 49



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1027	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090208_XSG

PLOT DATE : 7/27/2016 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090208_xsg PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1028 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090209_XSG
PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090209_xsg PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

SEE CONTOUR MAP - NE QUADRANT

PROPOSED NE QUADRANT (TYP)

MATCH EXISTING G RAMP PAVEMENT

664.11, -49.20
3.7:1
668.76, -32.00
6.0:1
671.24, -17.14
671.62, 0.00

666.00, -40.78
4.0:1
668.20, -32.00
6.0:1
670.67, -17.14
671.02, 0.00

211+50

211+00

20 FT
20 FT

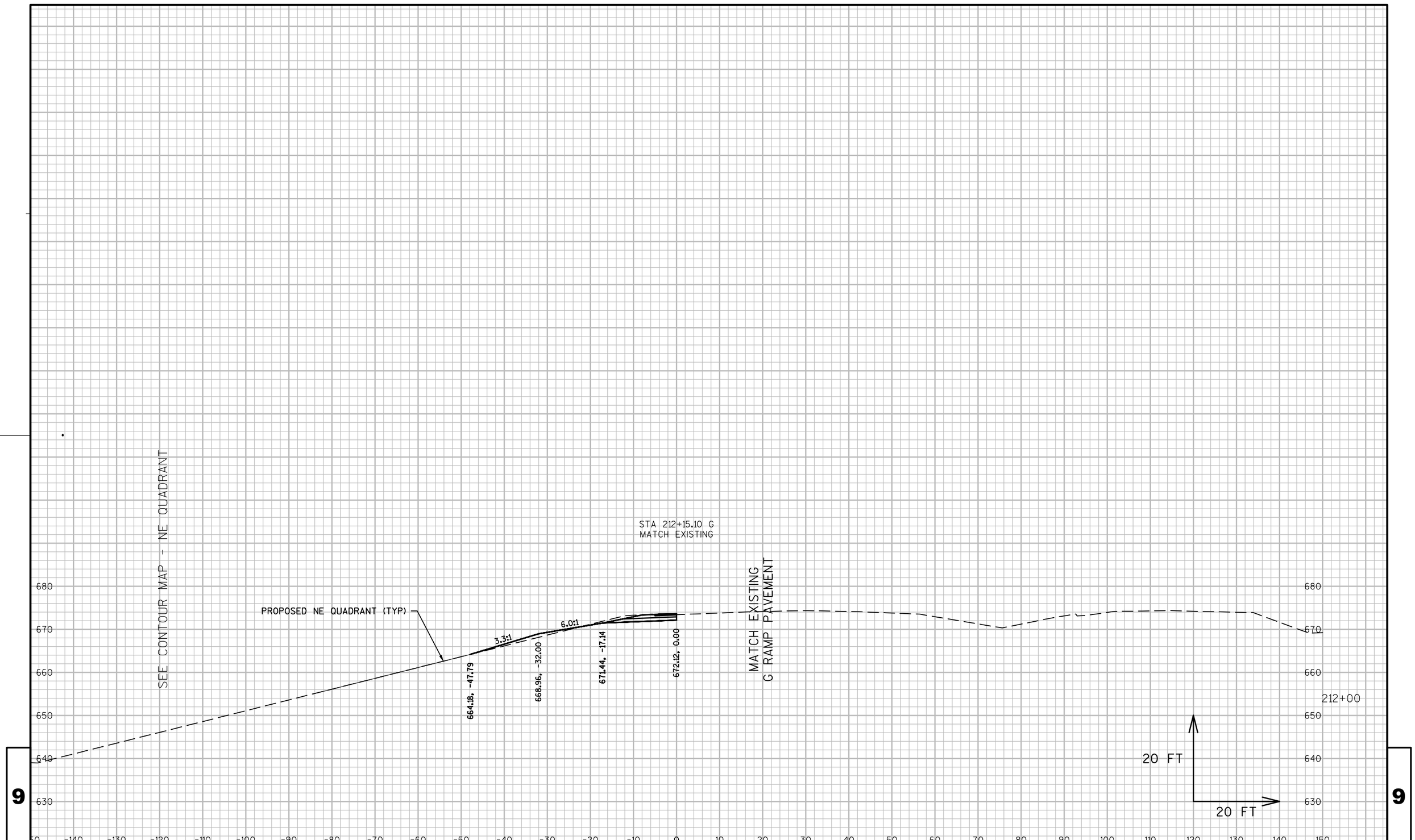
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1029	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090210_XSG

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090210_xsg PLOT SCALE : 1 IN:20 FT



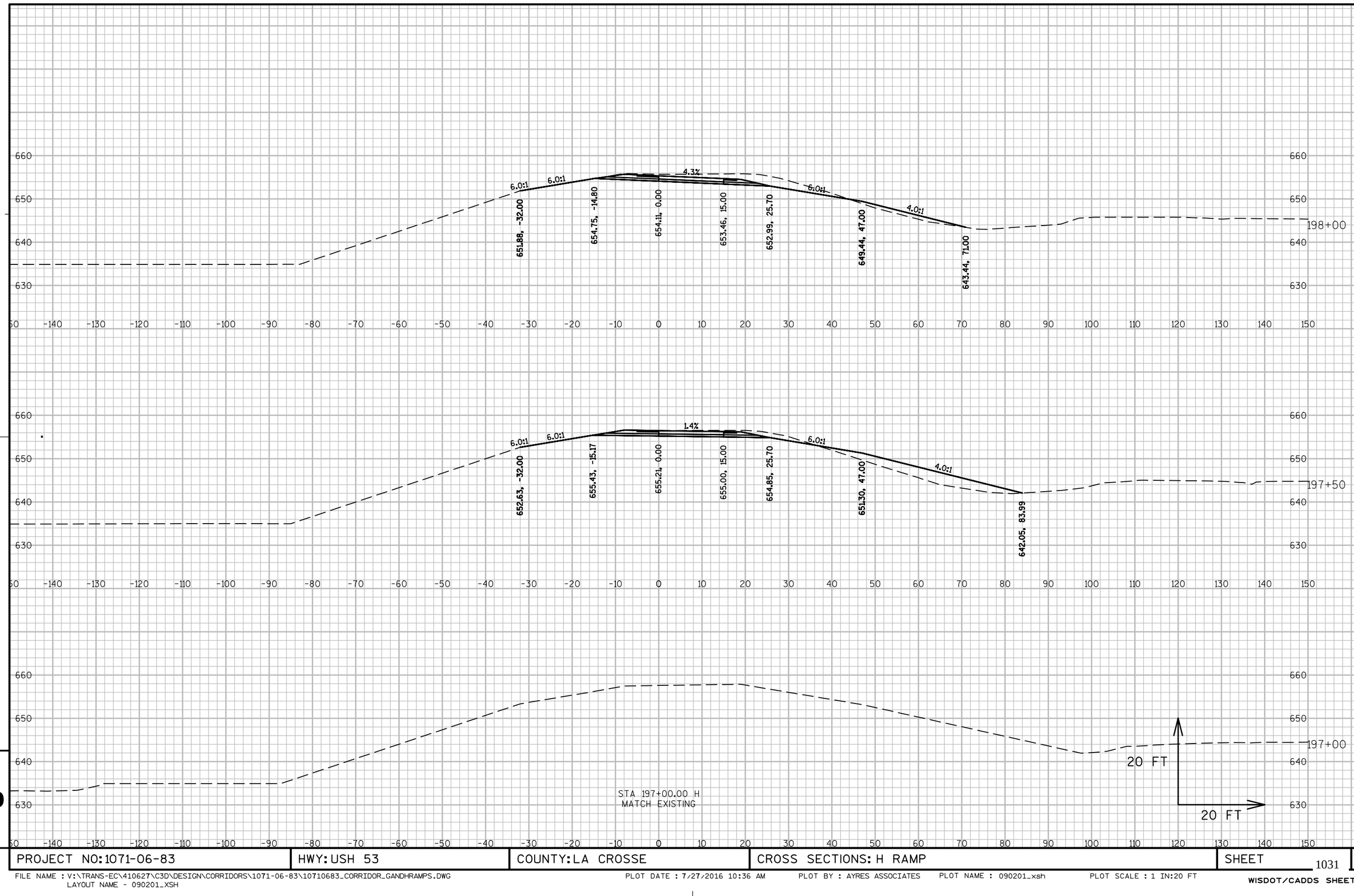
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: G RAMP	SHEET 1030	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090211_XSG

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090211_xsg PLOT SCALE : 1 IN:20 FT



9

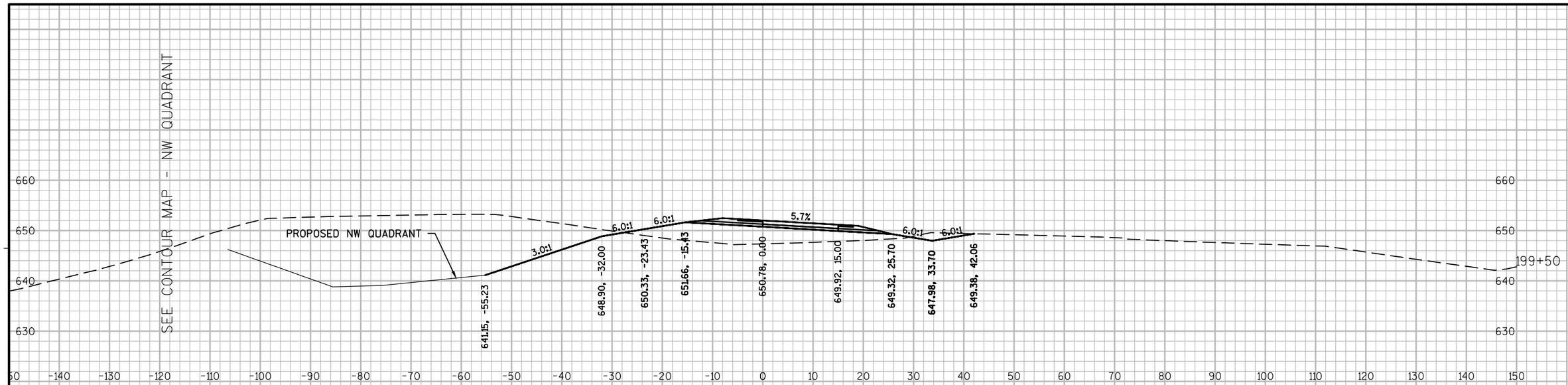
9

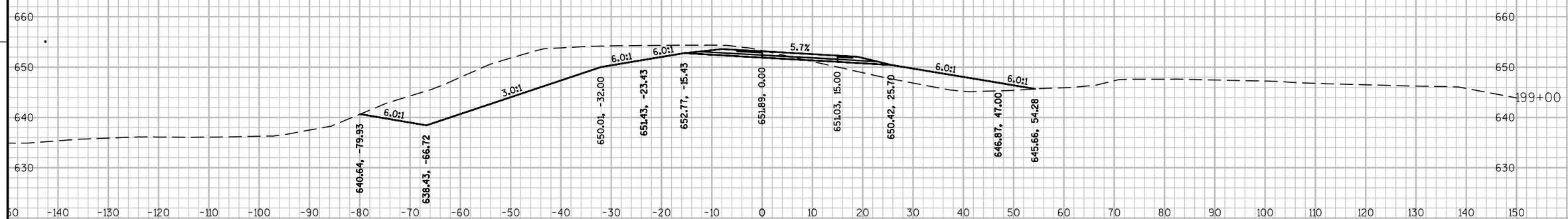
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: H RAMP	SHEET 1031	E

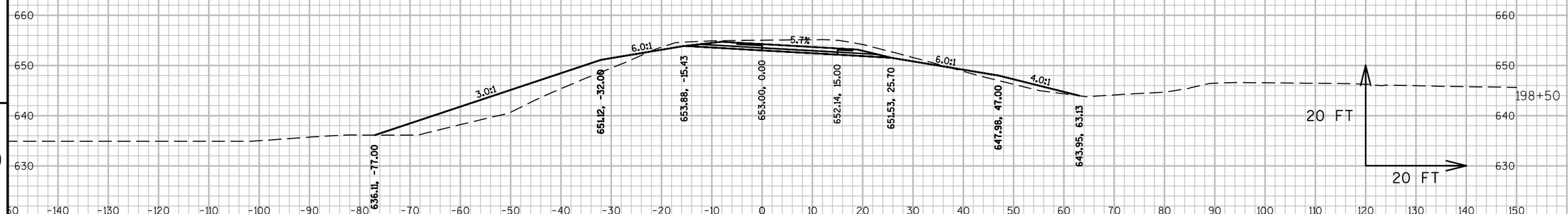
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090201_XSH

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090201_xsh PLOT SCALE : 1 IN:20 FT

SEE CONTOUR MAP - NW QUADRANT





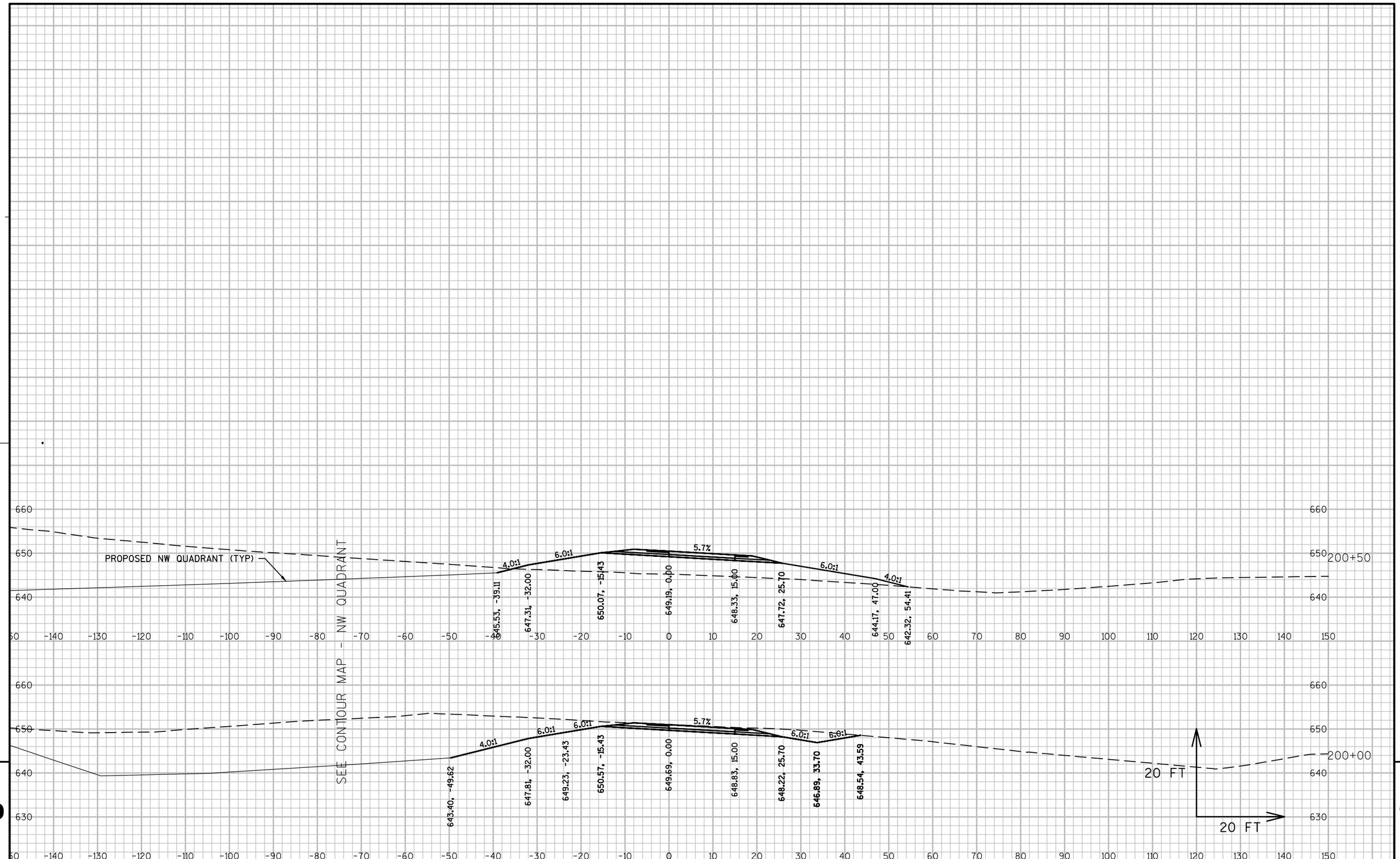


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: H RAMP	SHEET 1032 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090202_XSH

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090202_xsh PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



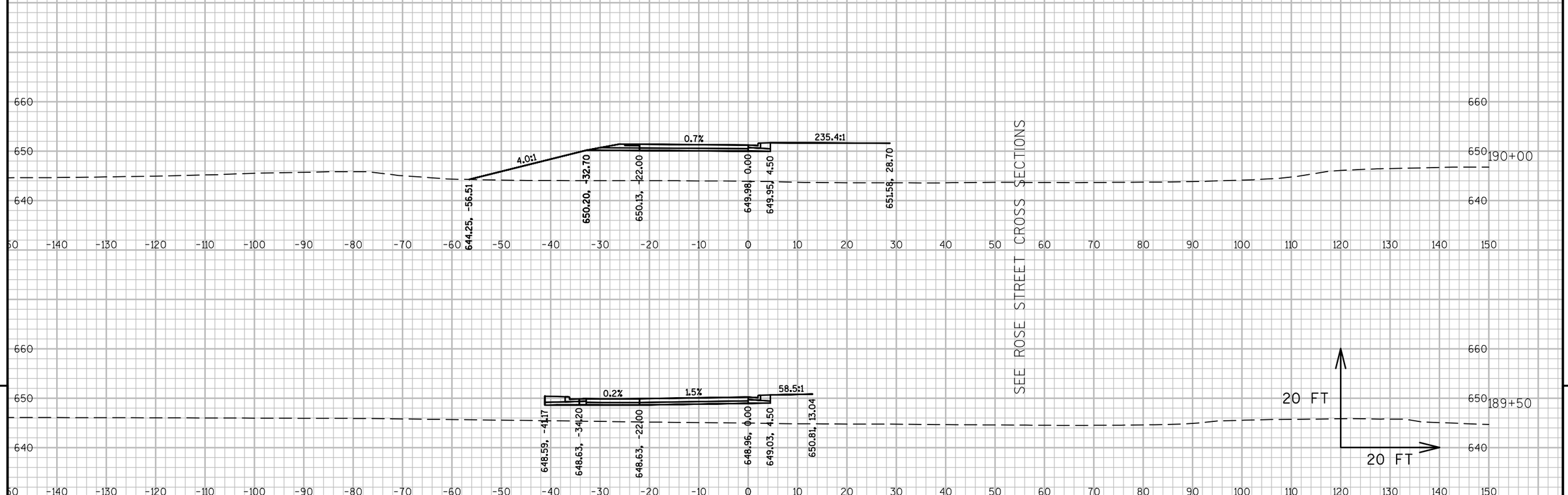
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: H RAMP	SHEET 1033 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_GANDHRAMPS.DWG
LAYOUT NAME - 090203_XSH

PLOT DATE : 7/27/2016 10:36 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090203_xsh PLOT SCALE : 1 IN:20 FT



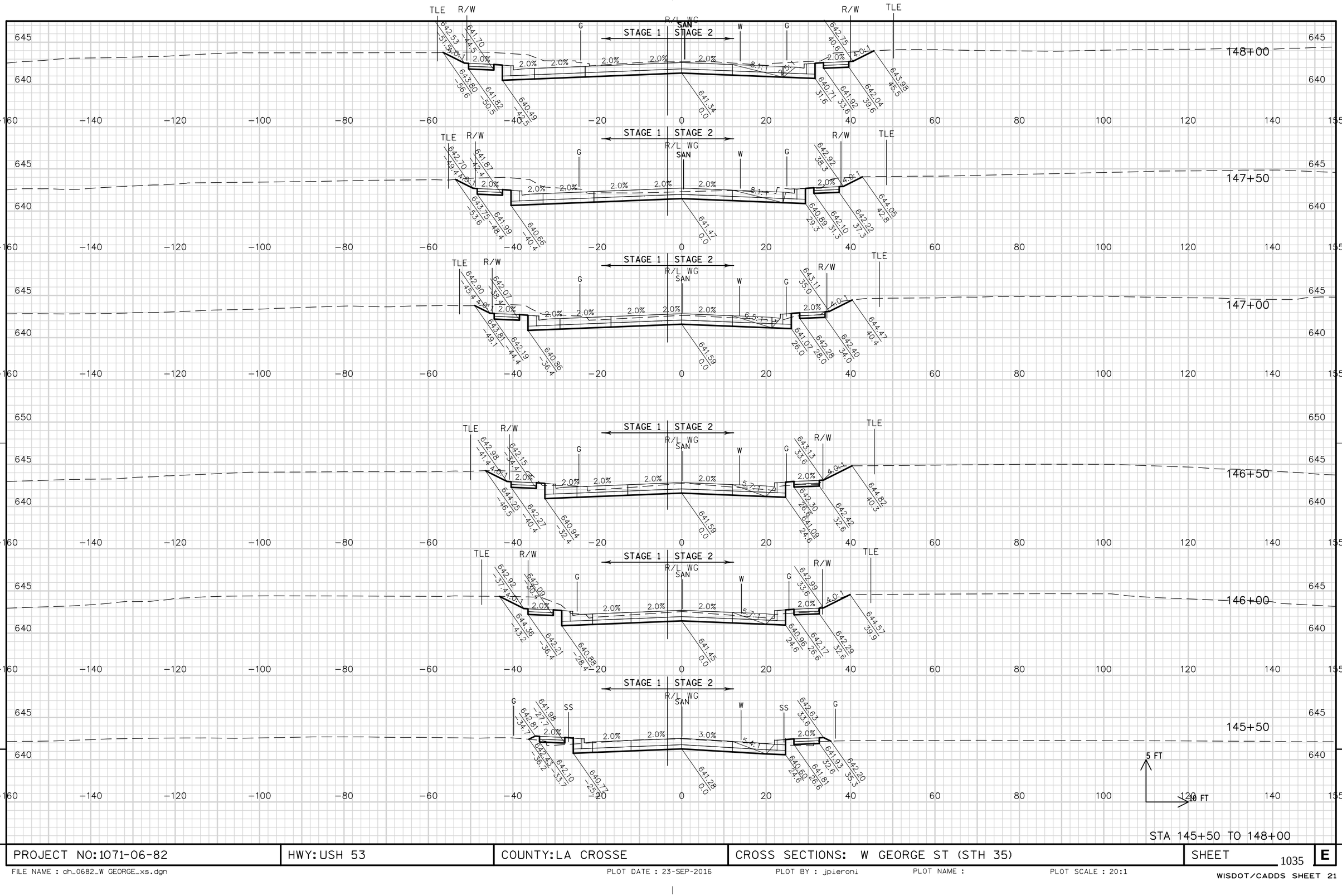
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: FA RAMP	SHEET 1034	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_EANDFRAMPS.DWG
LAYOUT NAME - 090201_XSFA

PLOT DATE : 7/27/2016 10:45 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

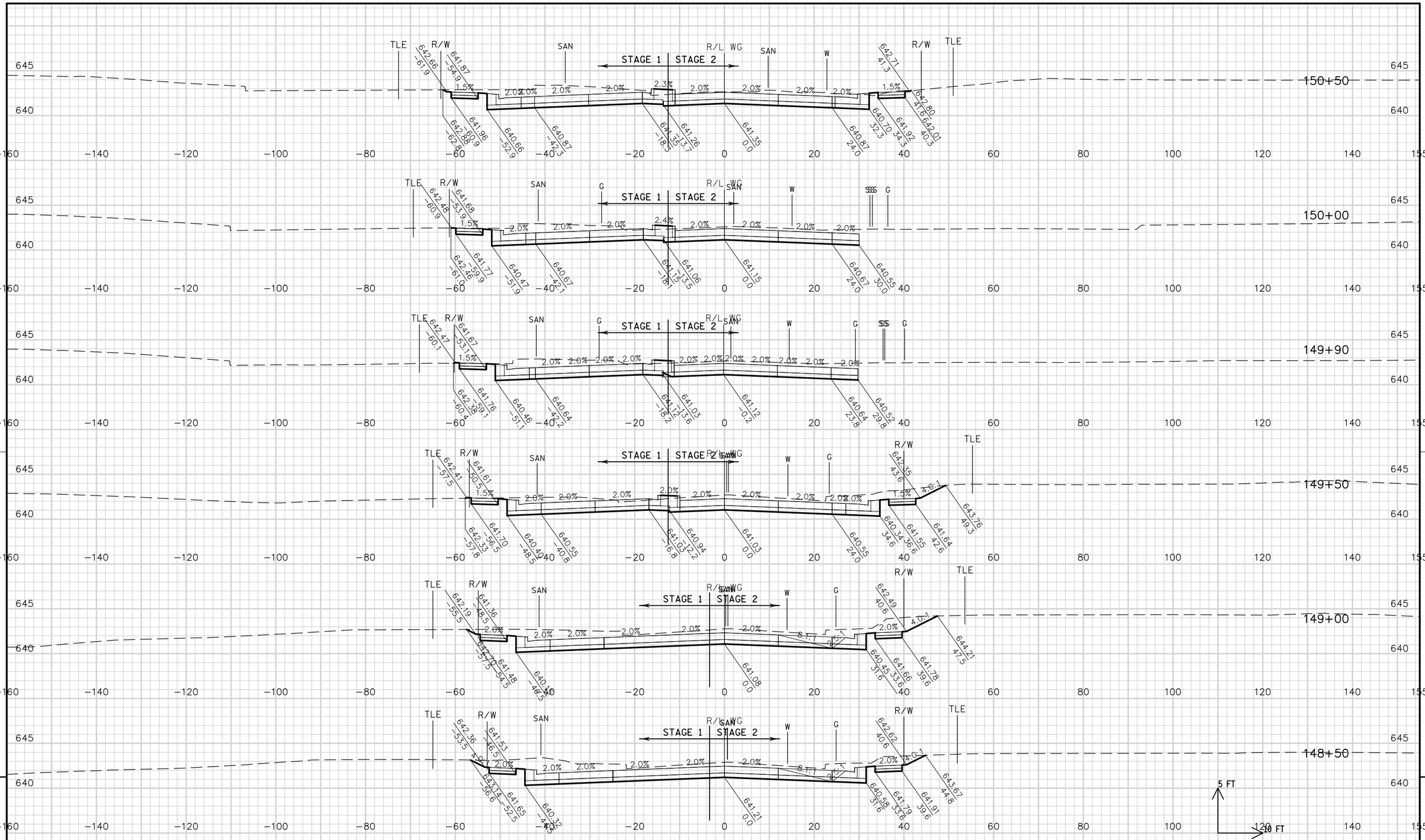


STA 145+50 TO 148+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1035	E

FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

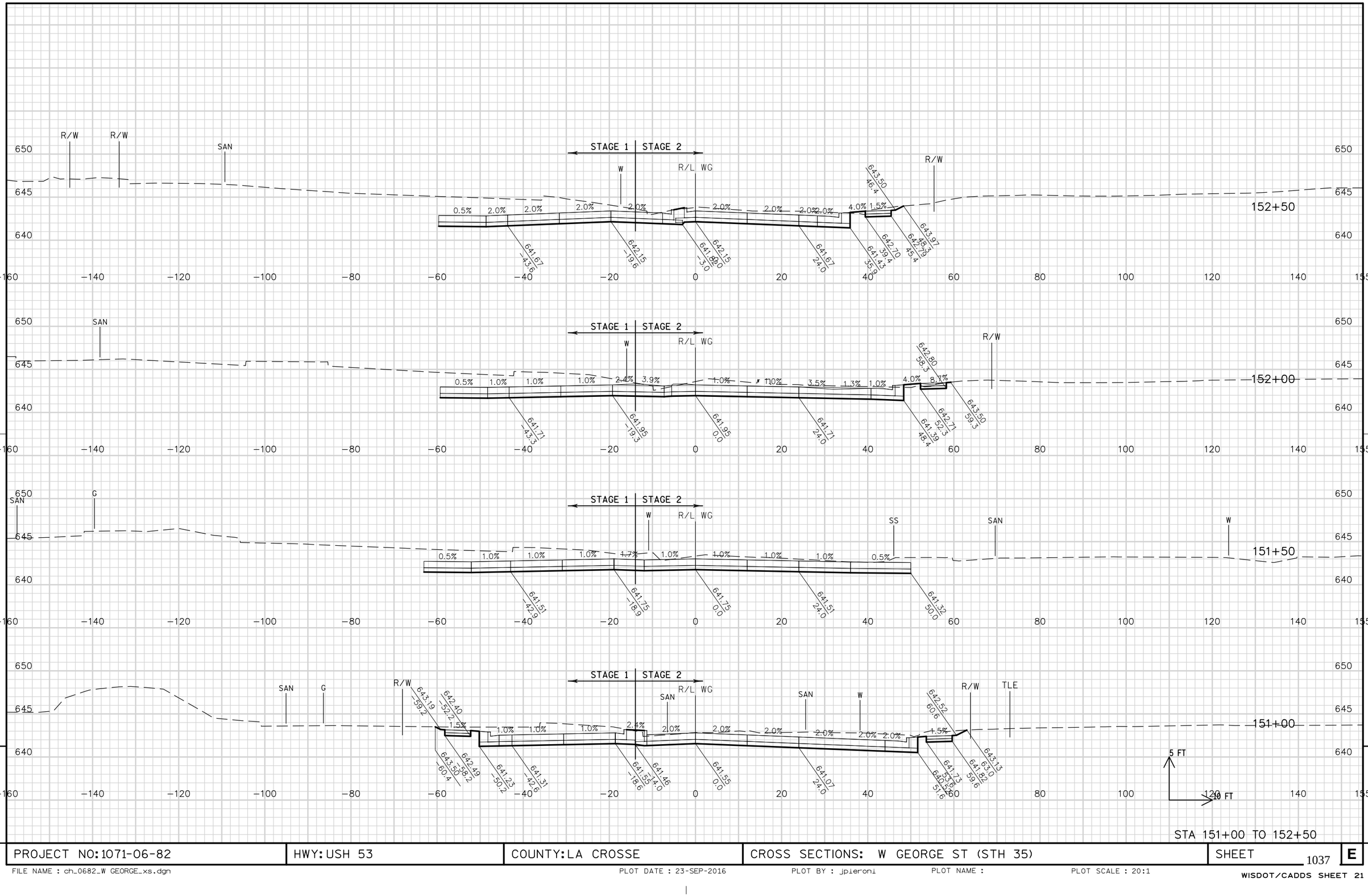


STA 148+50 TO 150+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1036	E

FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

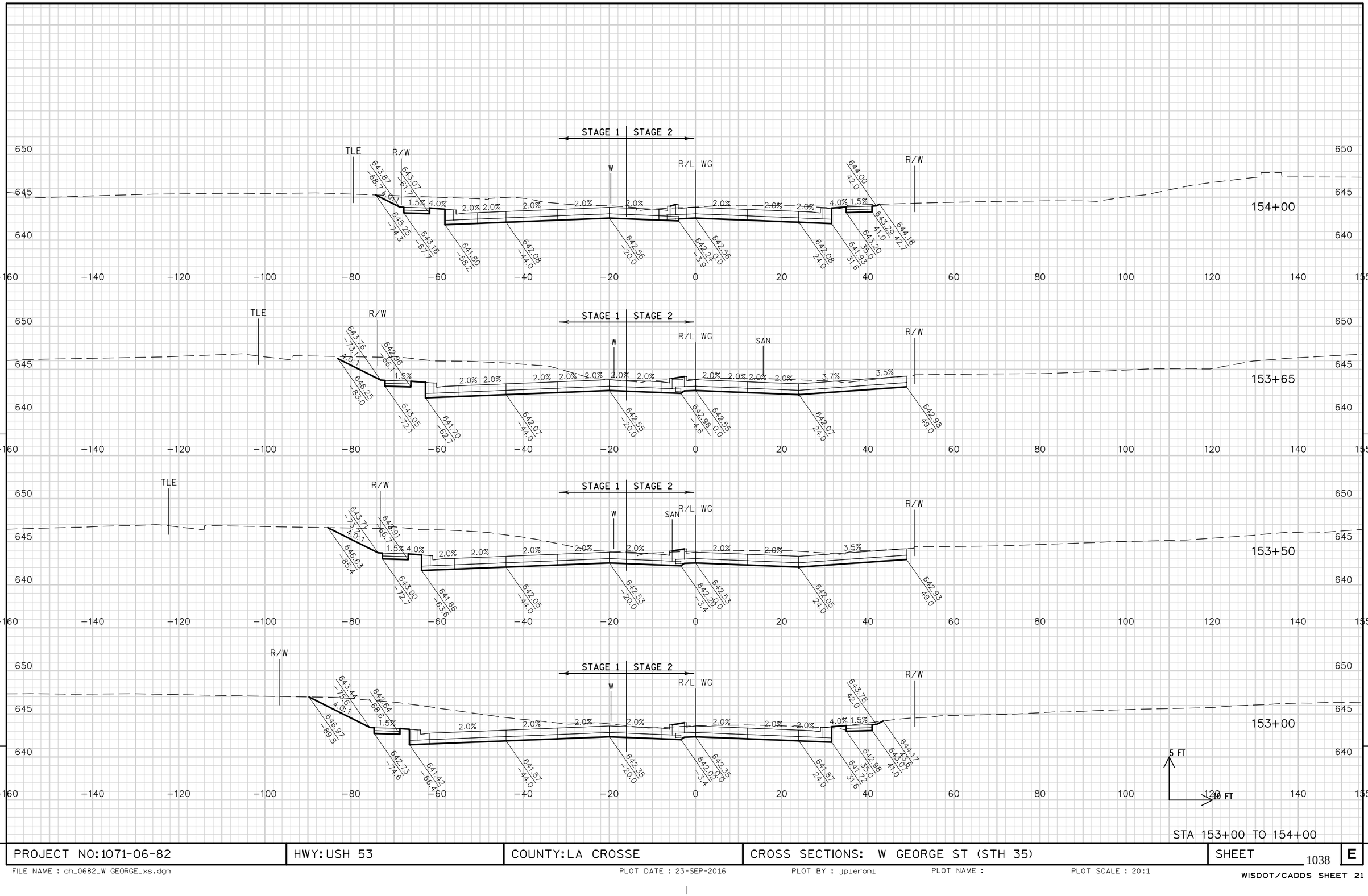


STA 151+00 TO 152+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1037	E

FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

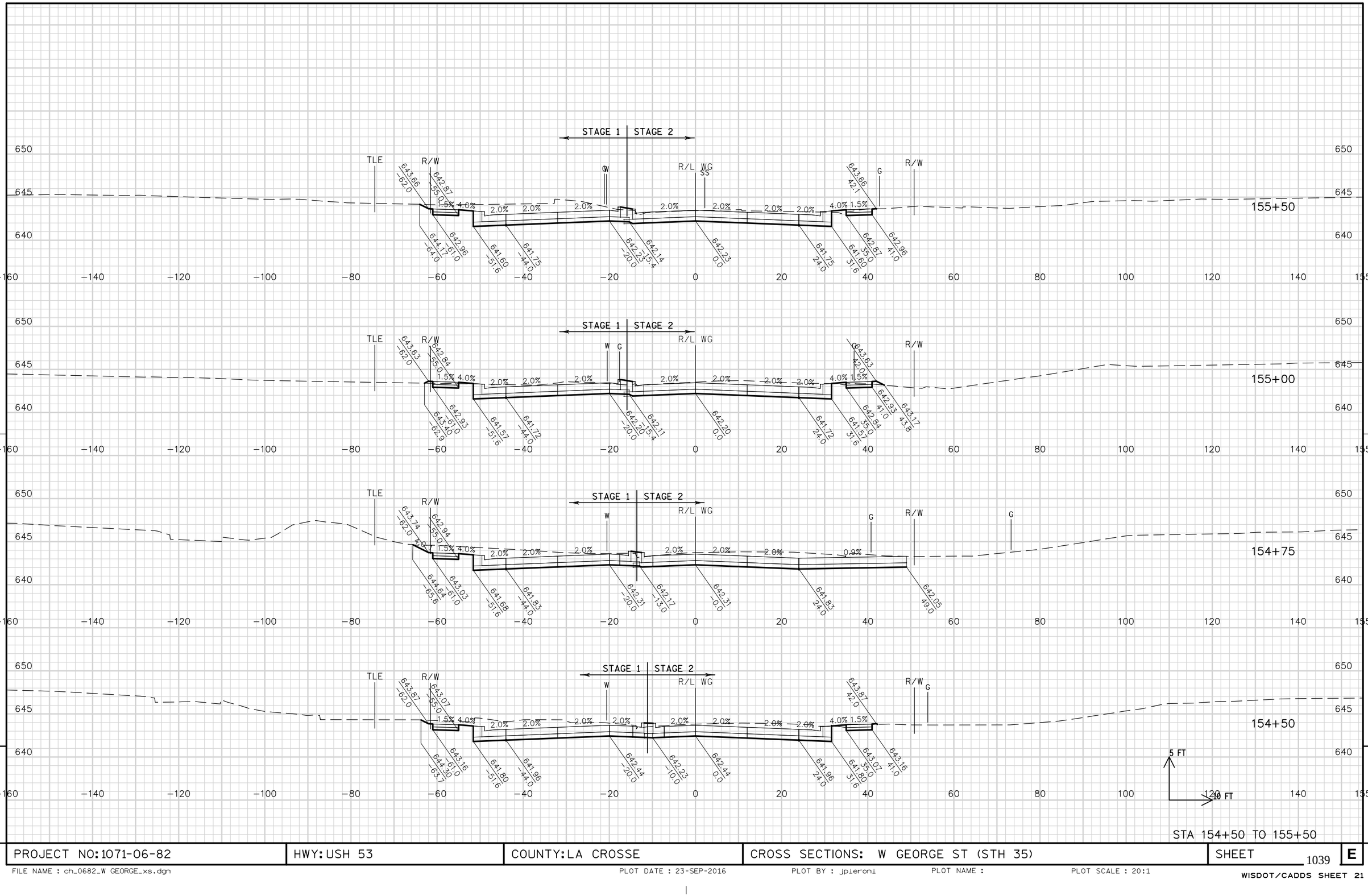


STA 153+00 TO 154+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1038	E

FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

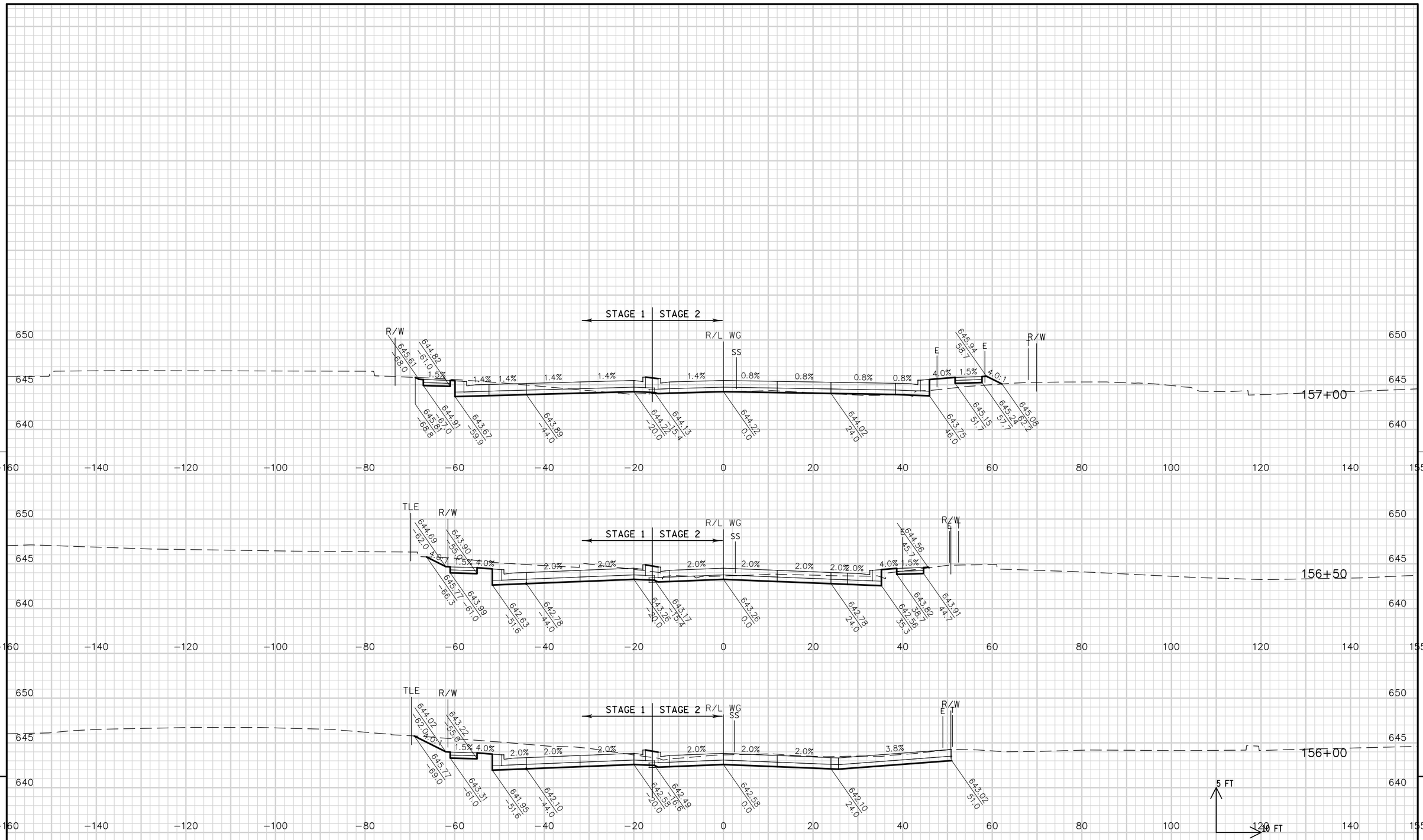


STA 154+50 TO 155+50

PROJECT NO:1071-06-82	HWY: USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1039	E

FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 156+00 TO 157+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: W GEORGE ST (STH 35)	SHEET 1040	E

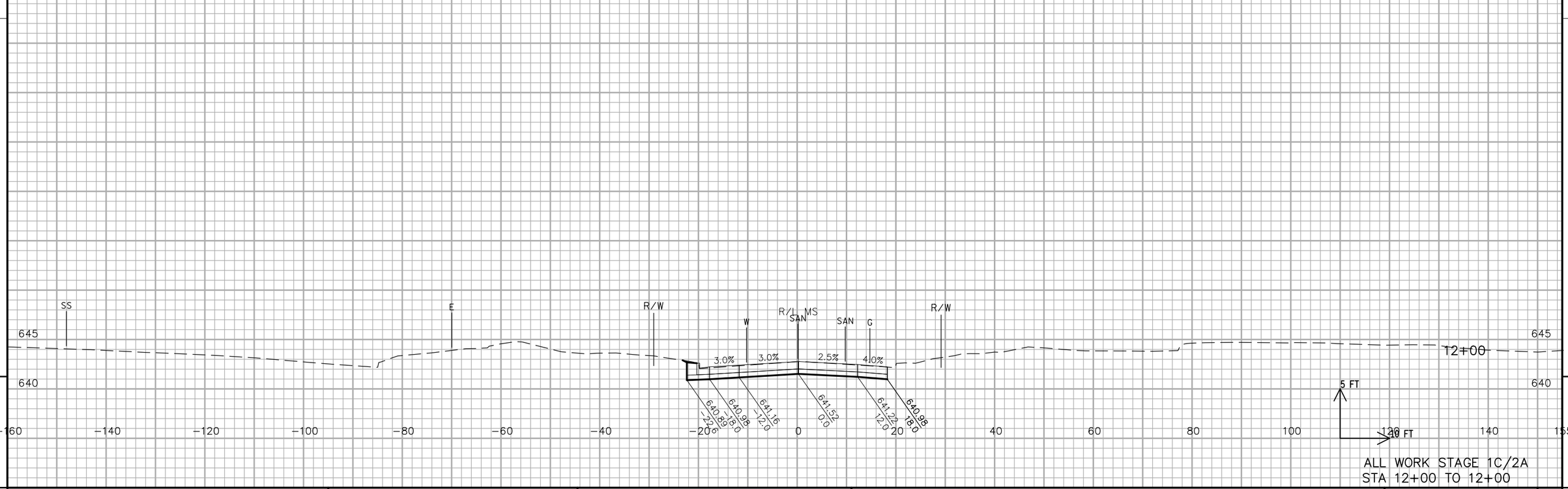
FILE NAME : ch_0682_W GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: MOORE STREET	SHEET 1041	E

FILE NAME : ch_0682_MOORE_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

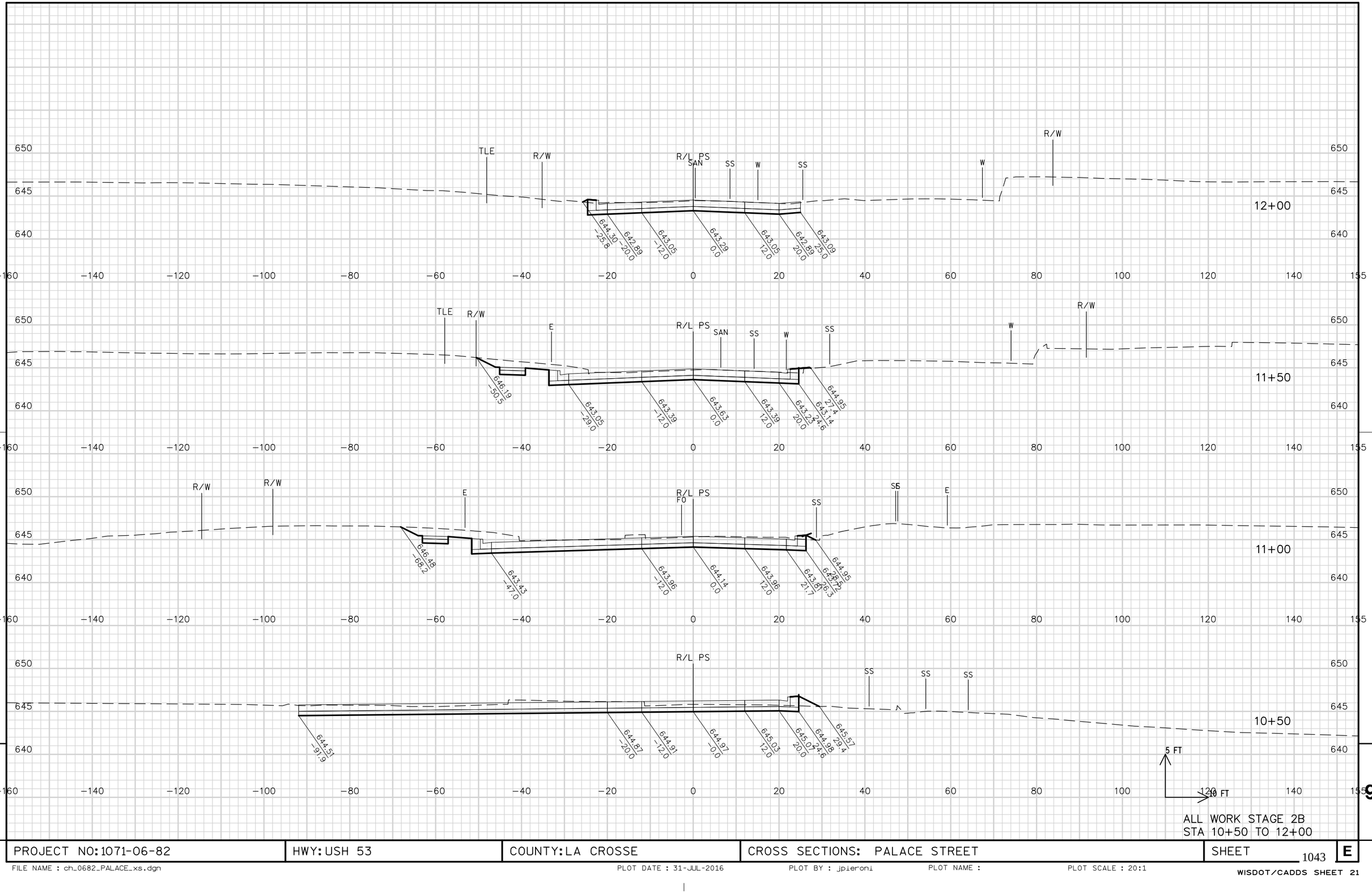
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: MOORE STREET	SHEET 1042	E

FILE NAME : ch_0682_MOORE_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



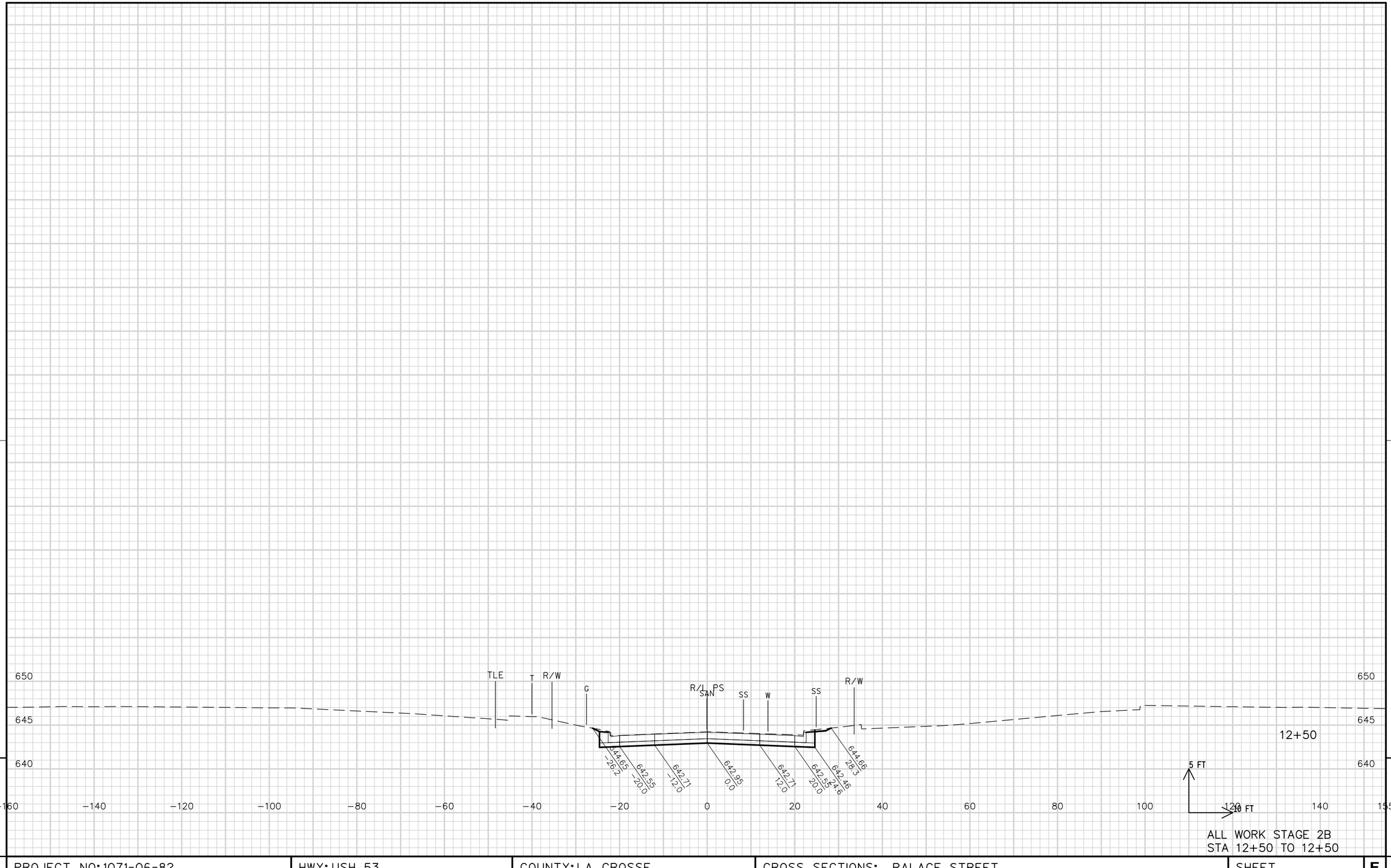
ALL WORK STAGE 2B
STA 10+50 TO 12+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: PALACE STREET	SHEET 1043	E

FILE NAME : ch_0682_PALACE_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

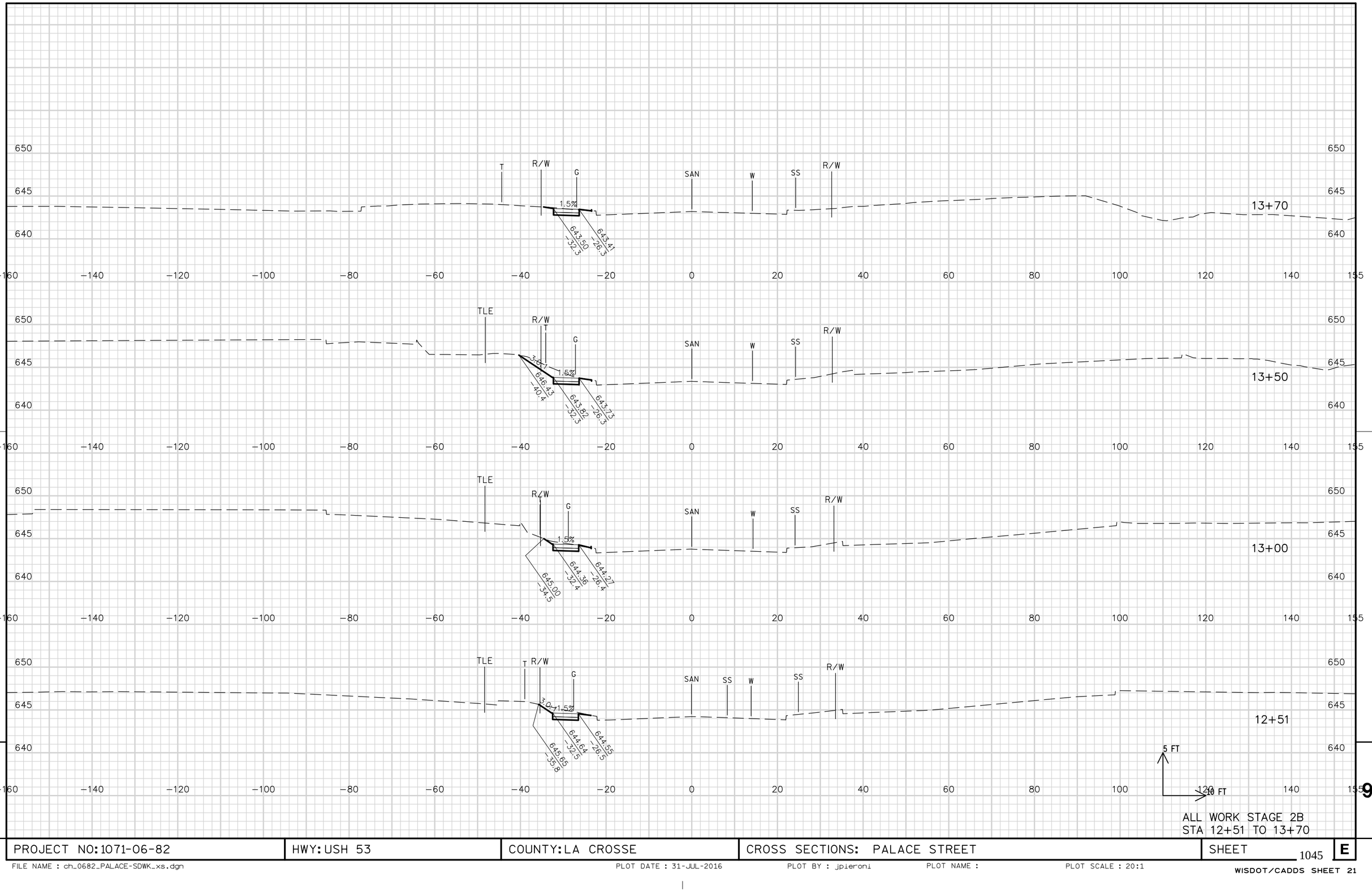


ALL WORK STAGE 2B
STA 12+50 TO 12+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: PALACE STREET	SHEET 1044	E

FILE NAME : ch_0682_PALACE_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

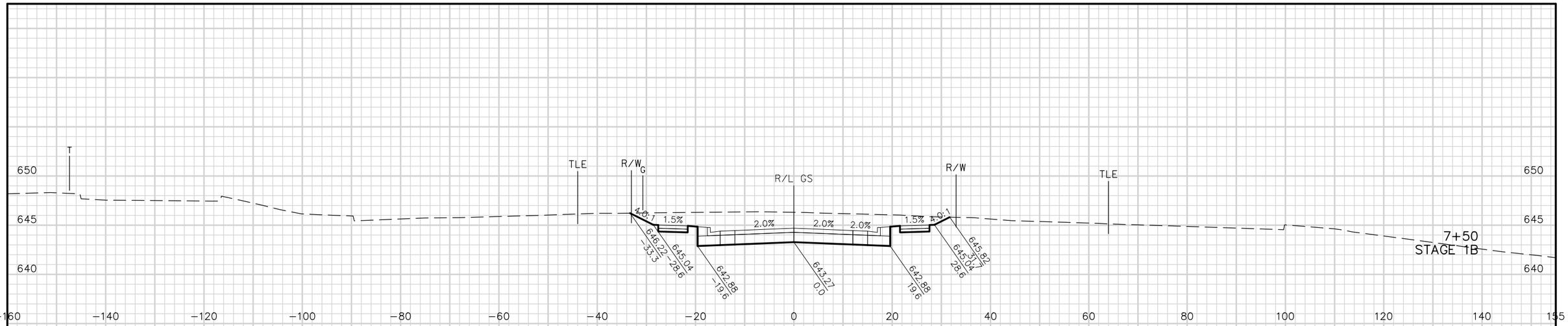
WISDOT/CADDS SHEET 21

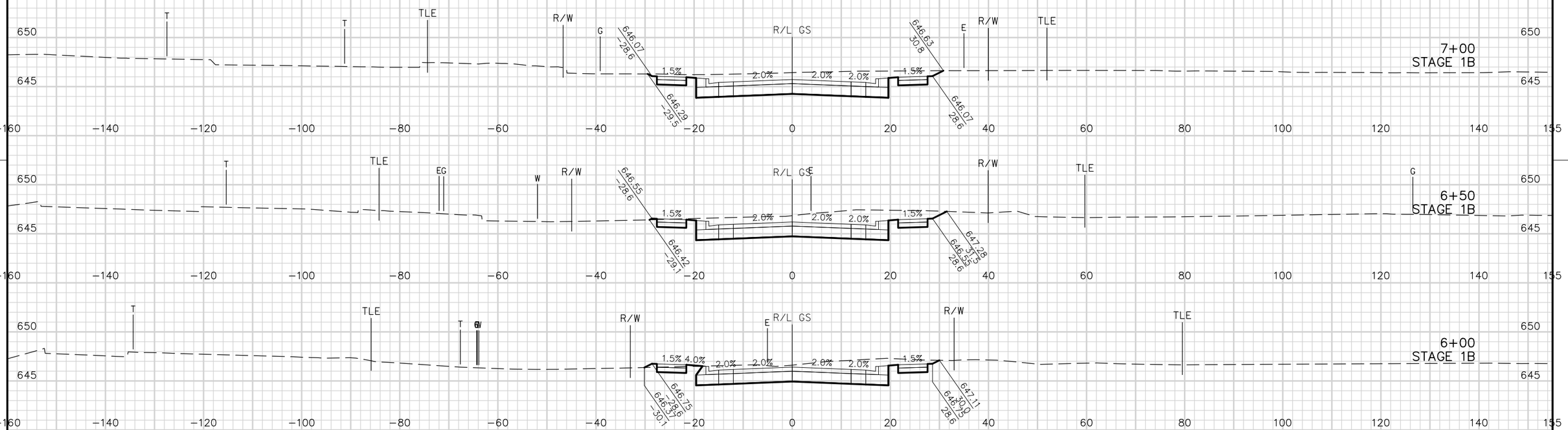


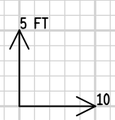
PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: PALACE STREET	SHEET 1045	E

FILE NAME : ch_0682_PALACE-SDWK_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21





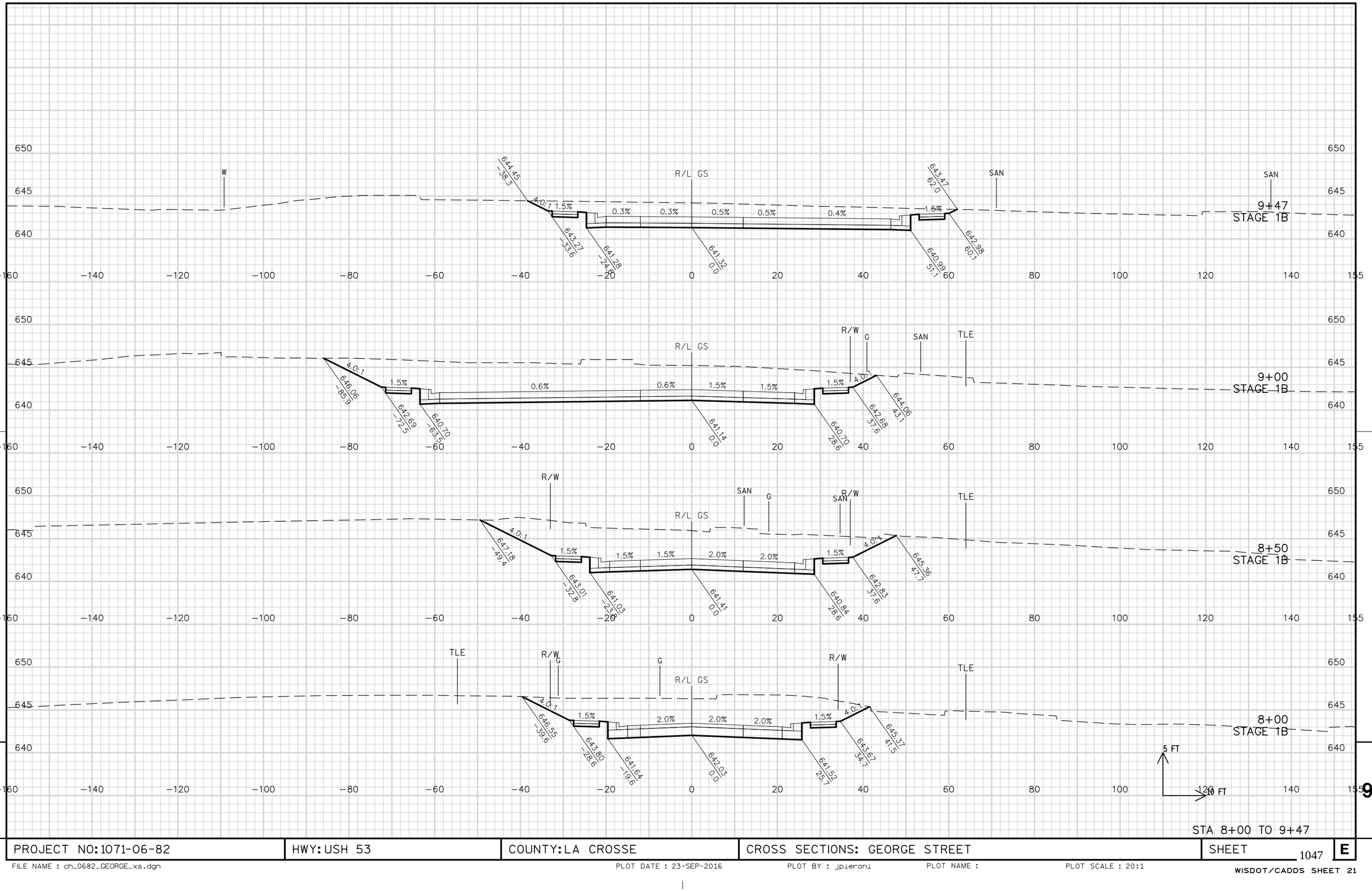


STA 6+00 TO 7+50

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1046	E

FILE NAME : ch_0682_GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

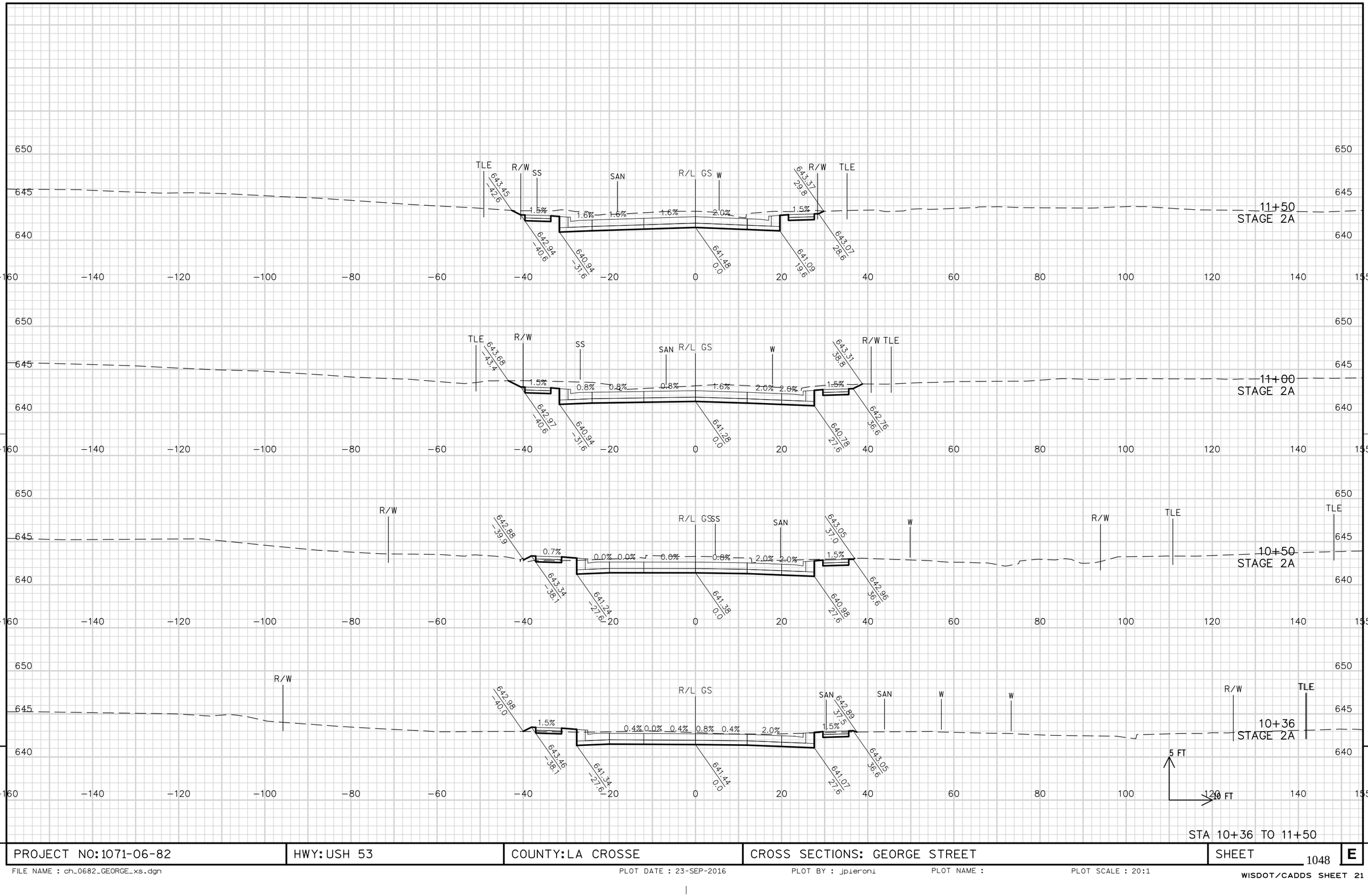
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1047	E

FILE NAME : ch_0682_GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

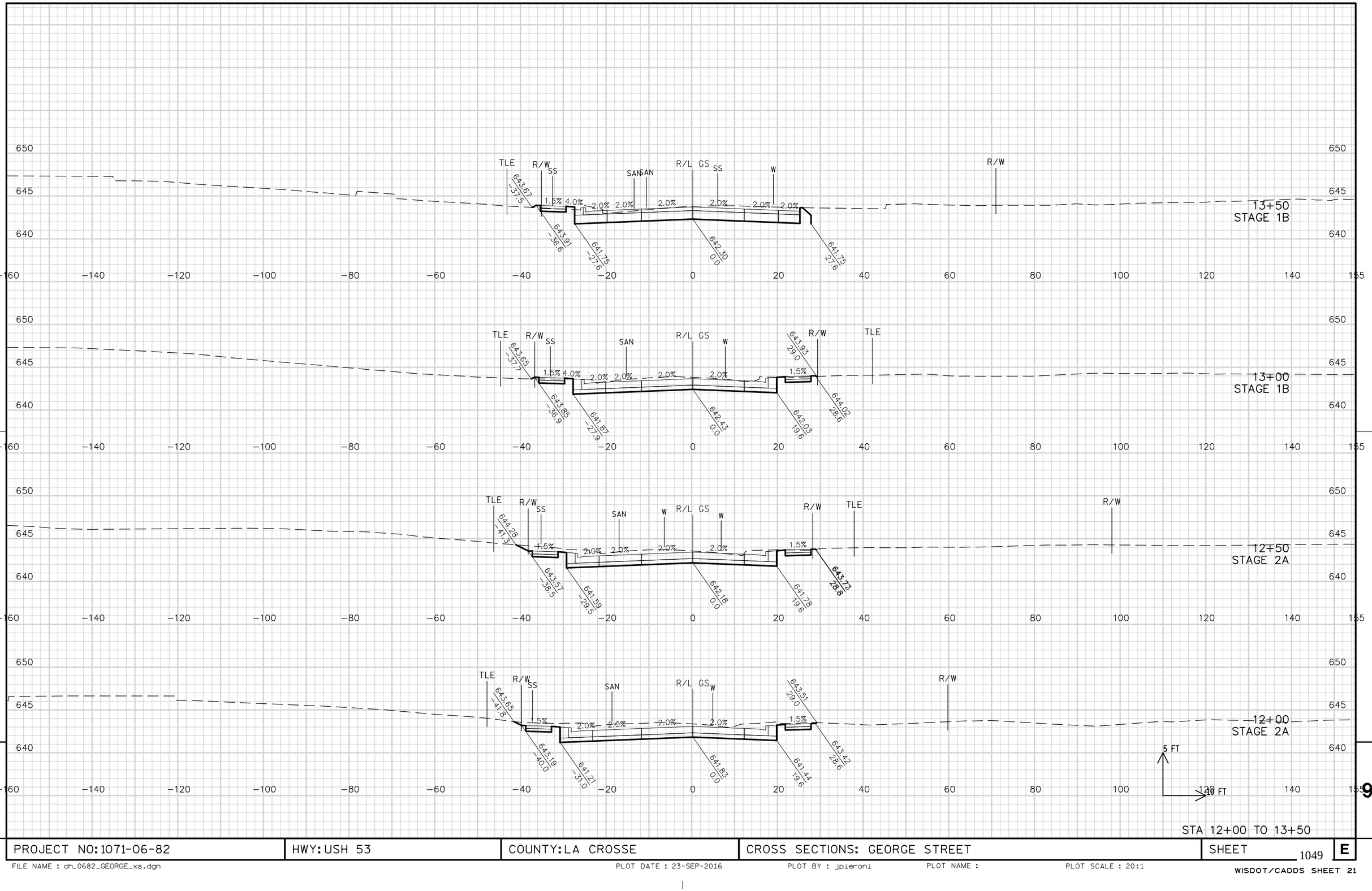
WISDOT/CADDS SHEET 21



PROJECT NO:1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1048	E

FILE NAME : ch_0682_GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

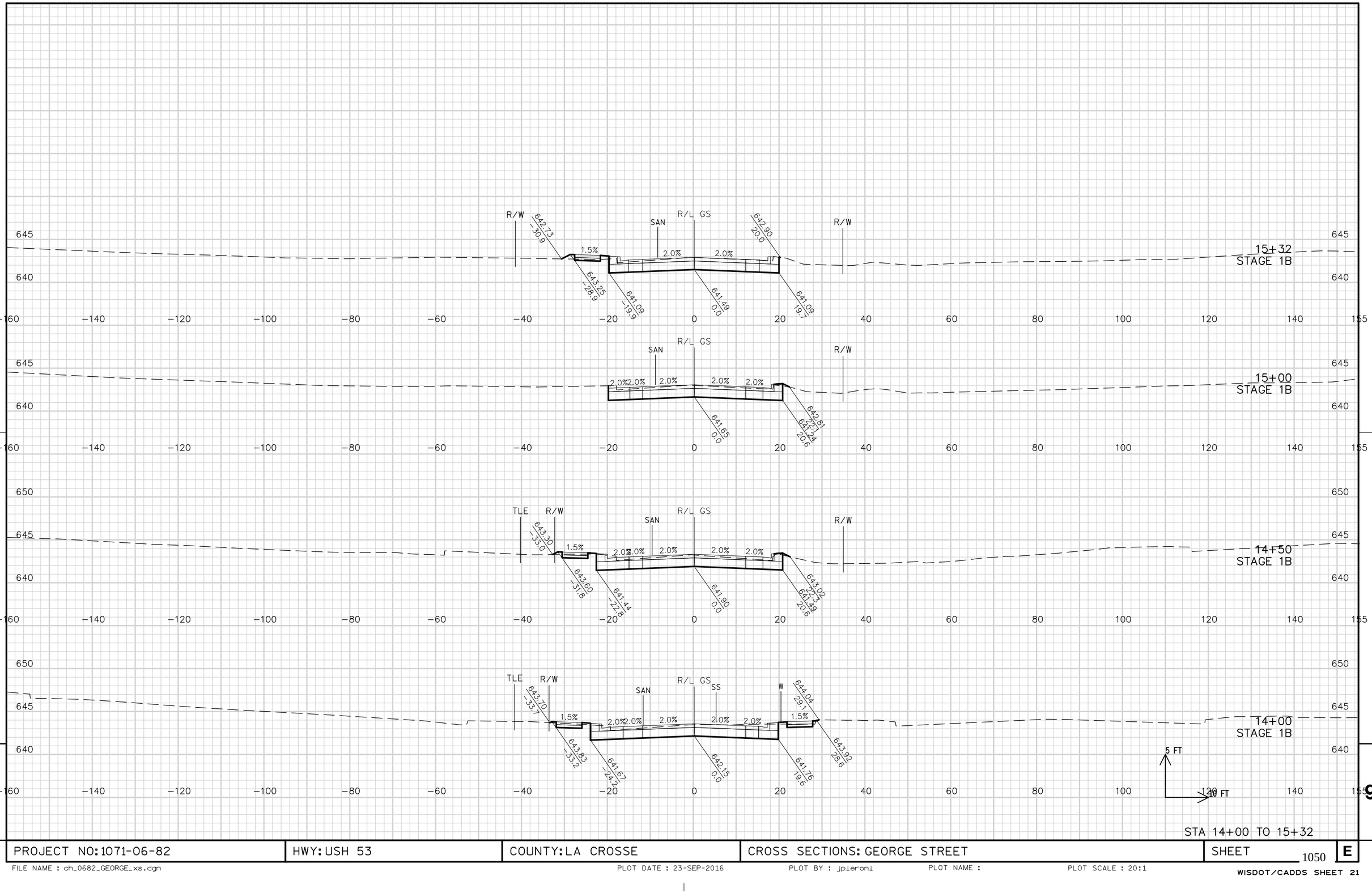
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1049	E

FILE NAME : ch_0682_GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

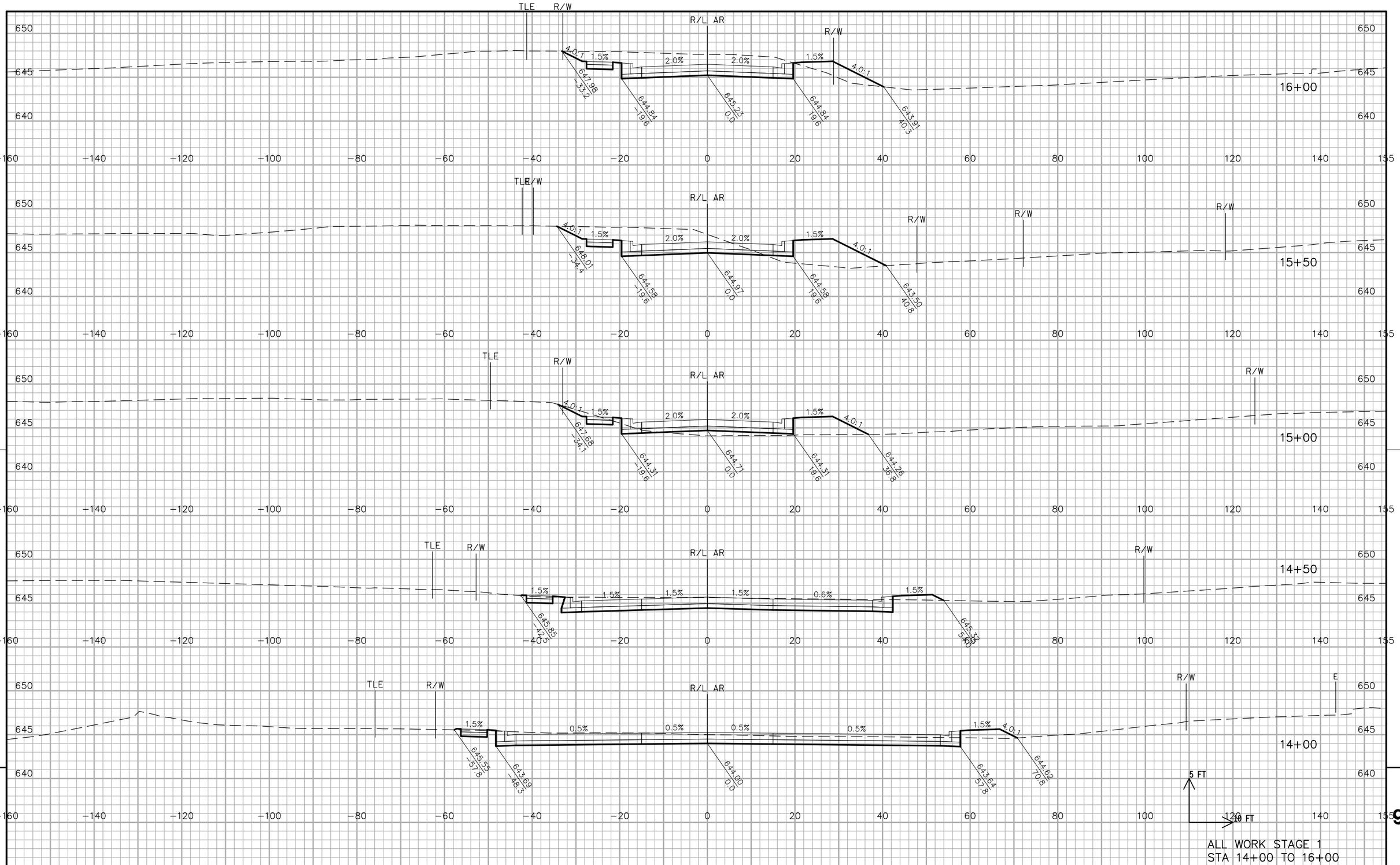
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1050	E

FILE NAME : ch_0682_GEORGE_xs.dgn PLOT DATE : 23-SEP-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

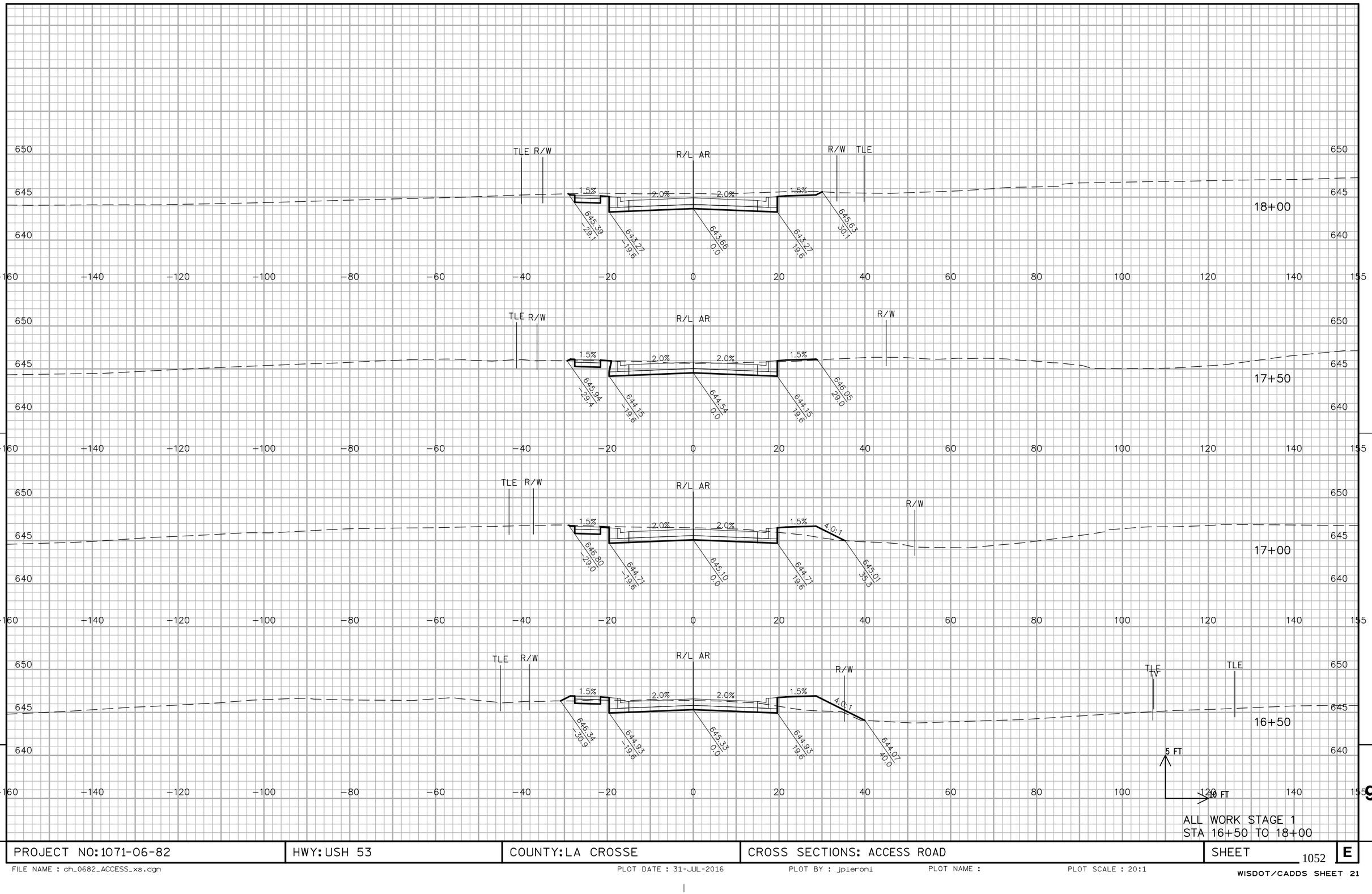
WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ACCESS ROAD	SHEET 1051	E

FILE NAME : ch_0682_ACCESS_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

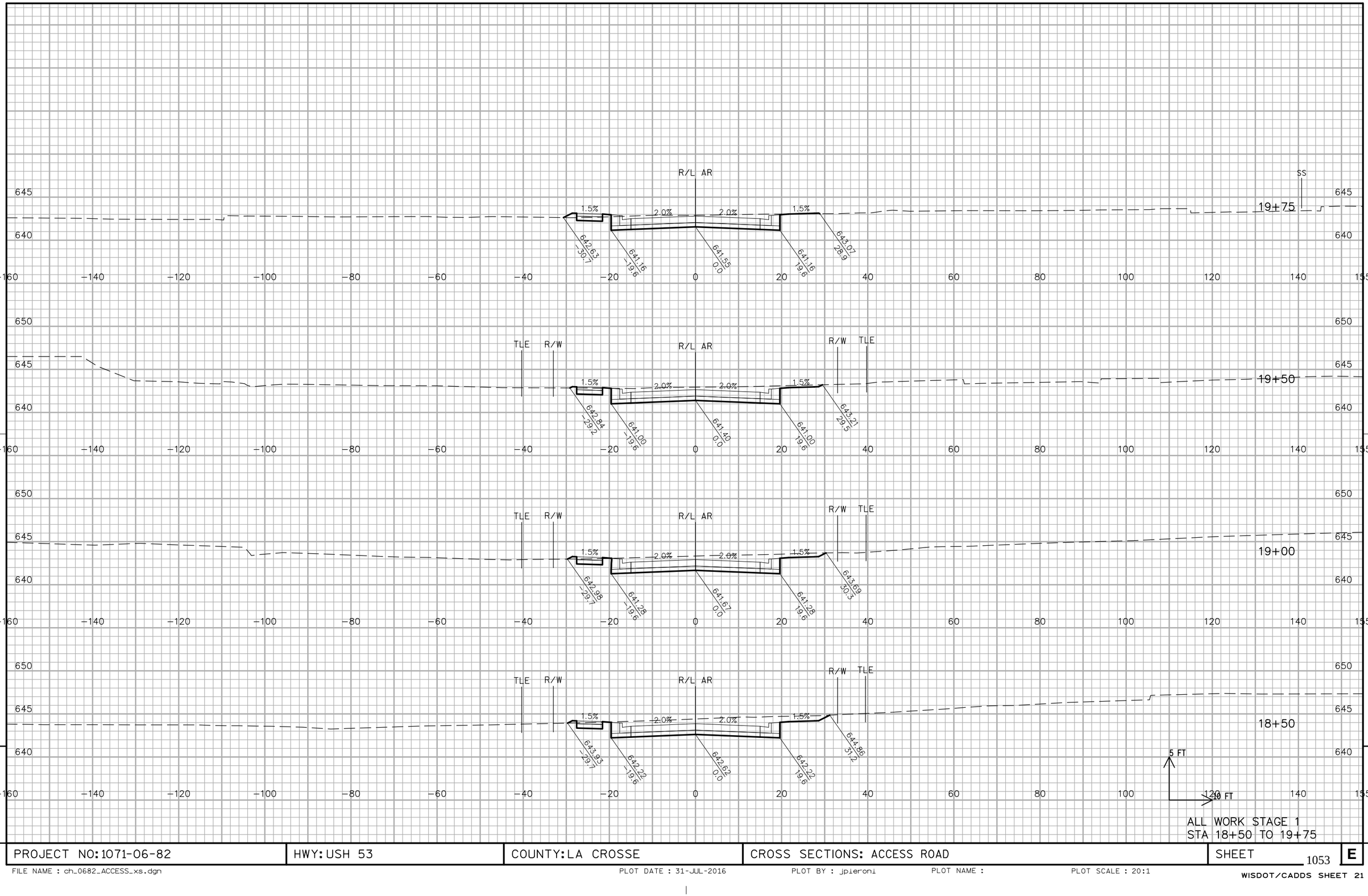


ALL WORK STAGE 1
STA 16+50 TO 18+00

PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: ACCESS ROAD	SHEET 1052	E

FILE NAME : ch_0682_ACCESS_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

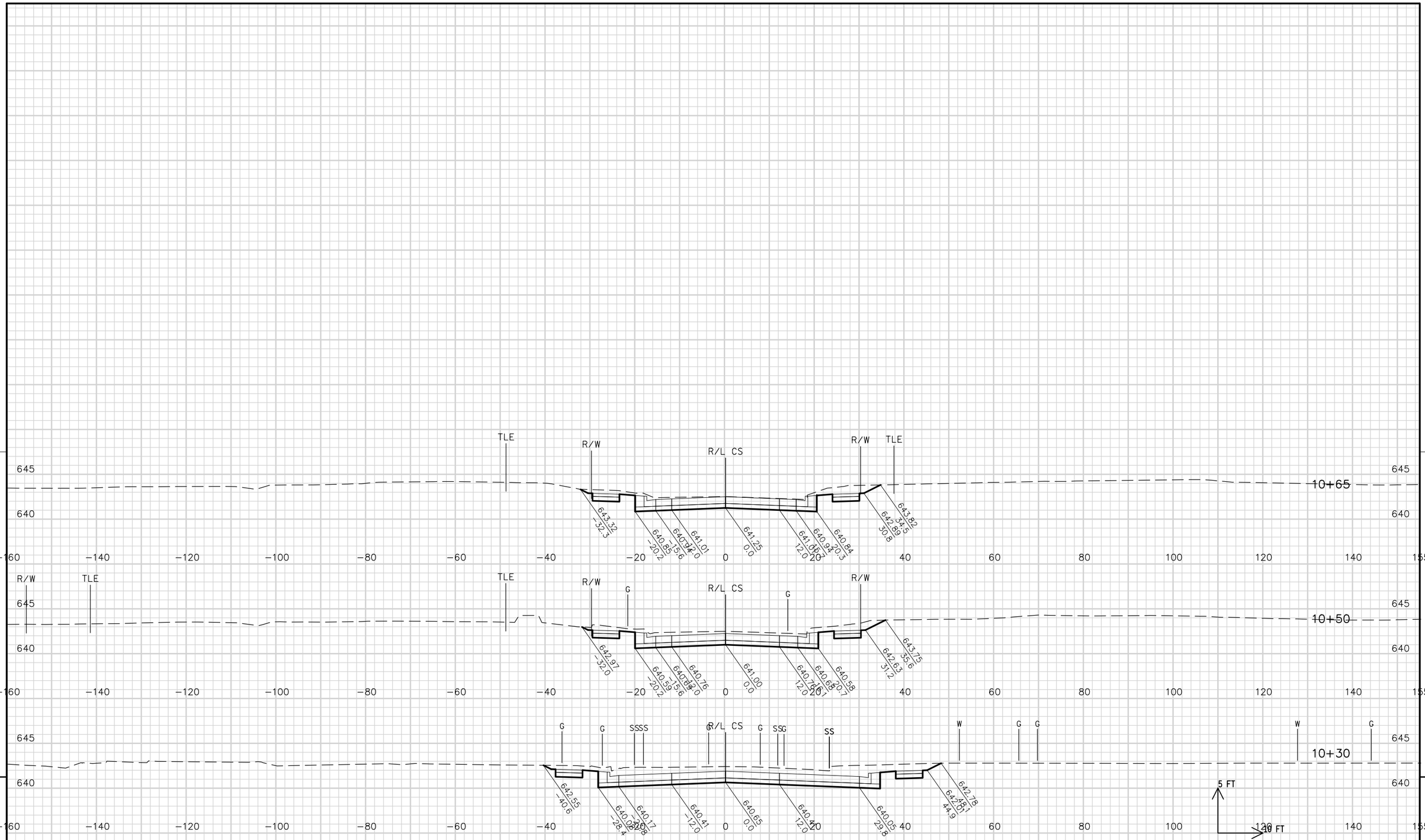
WISDOT/CADDS SHEET 21



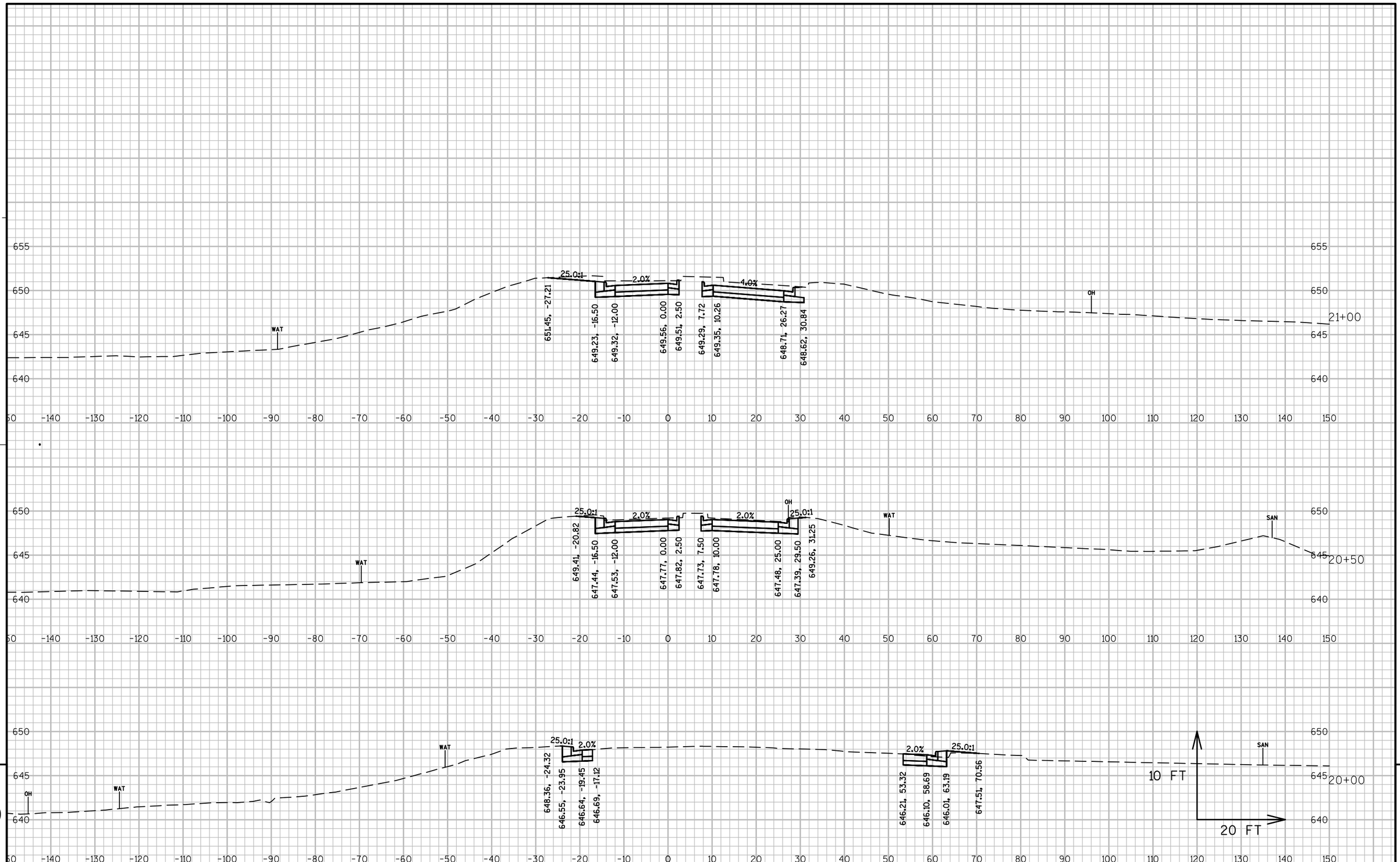
PROJECT NO:1071-06-82	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: ACCESS ROAD	SHEET 1053	E

FILE NAME : ch_0682_ACCESS_xs.dgn PLOT DATE : 31-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1071-06-82	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: CAMPBELL STREET	SHEET 1054	E



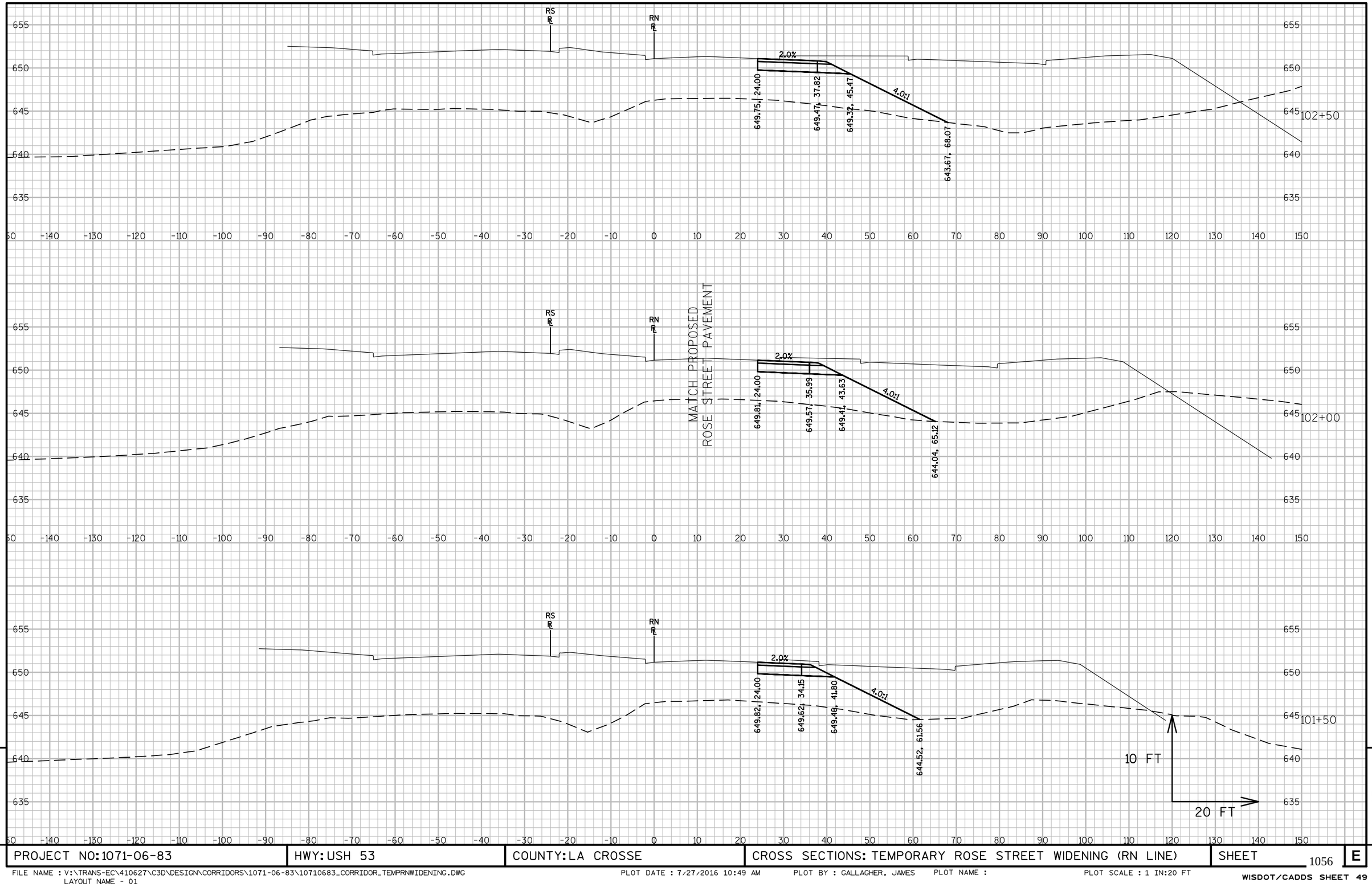
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: GEORGE STREET	SHEET 1055	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_ROSESTREETNORTH.DWG
LAYOUT NAME - 090201_XSGR

PLOT DATE : 7/27/2016 10:41 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090201_xsgr PLOT SCALE : 1 IN:20 FT



9

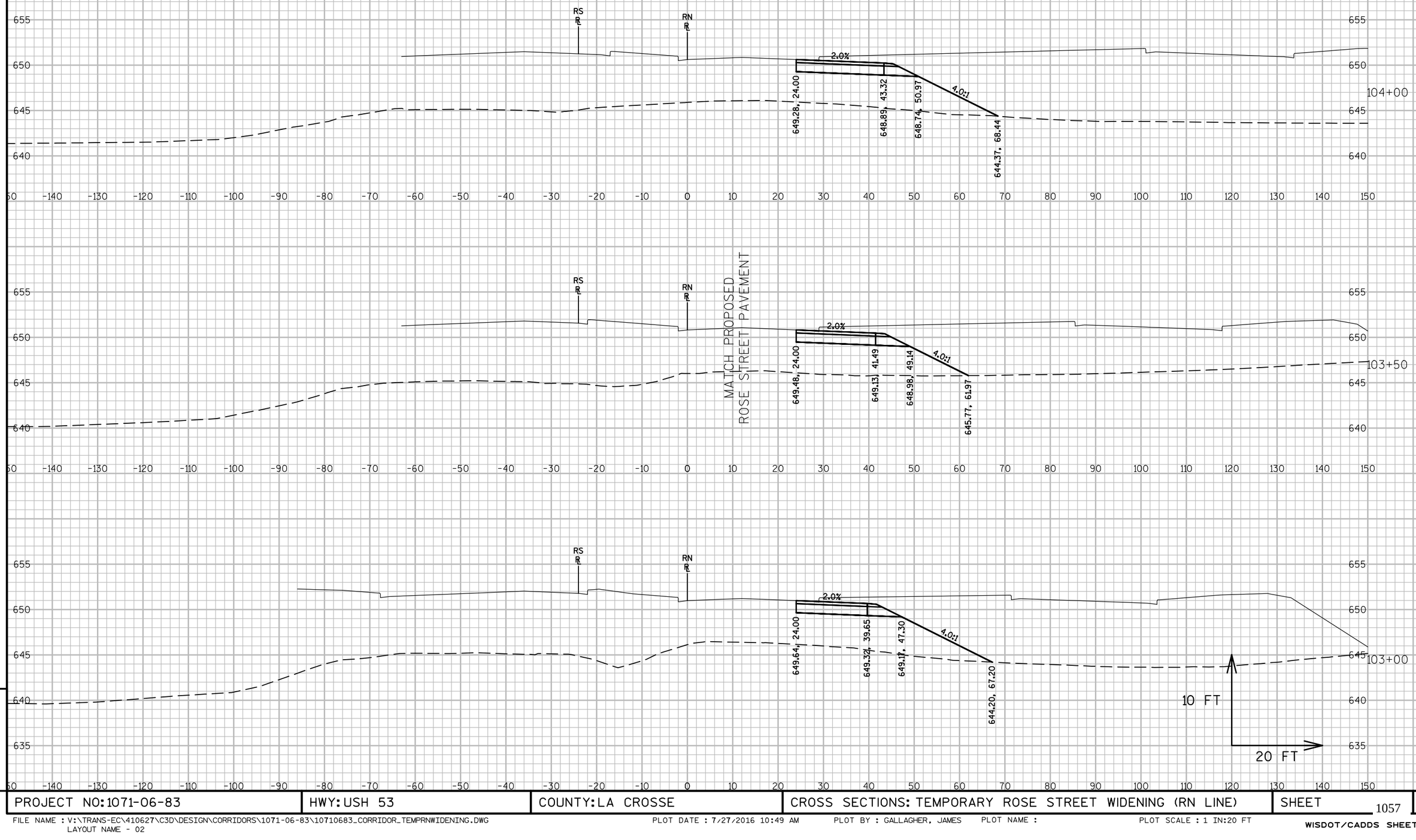
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1056	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 01

PLOT DATE : 7/27/2016 10:49 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

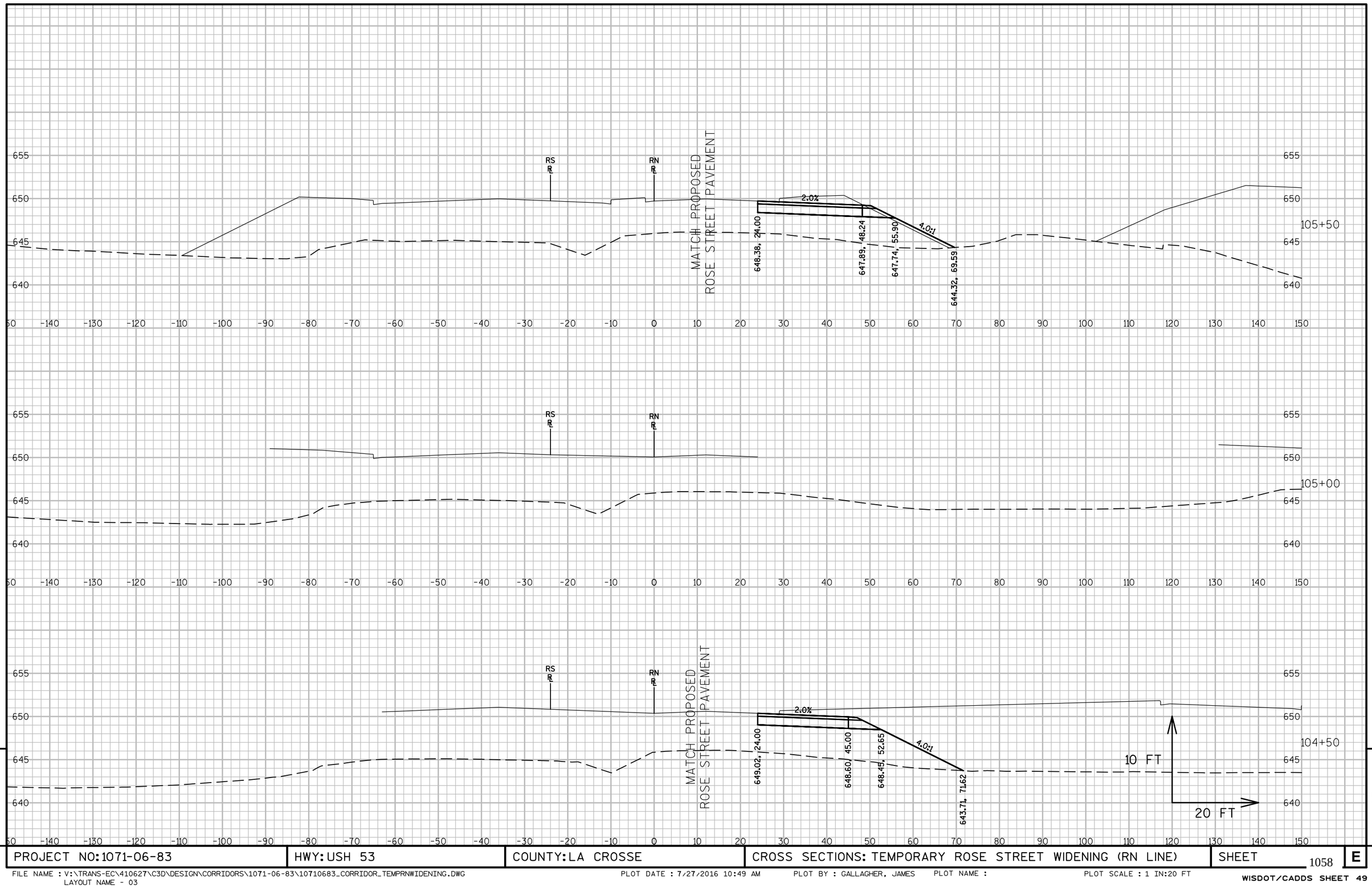


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1057	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 02
PLOT DATE : 7/27/2016 10:49 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

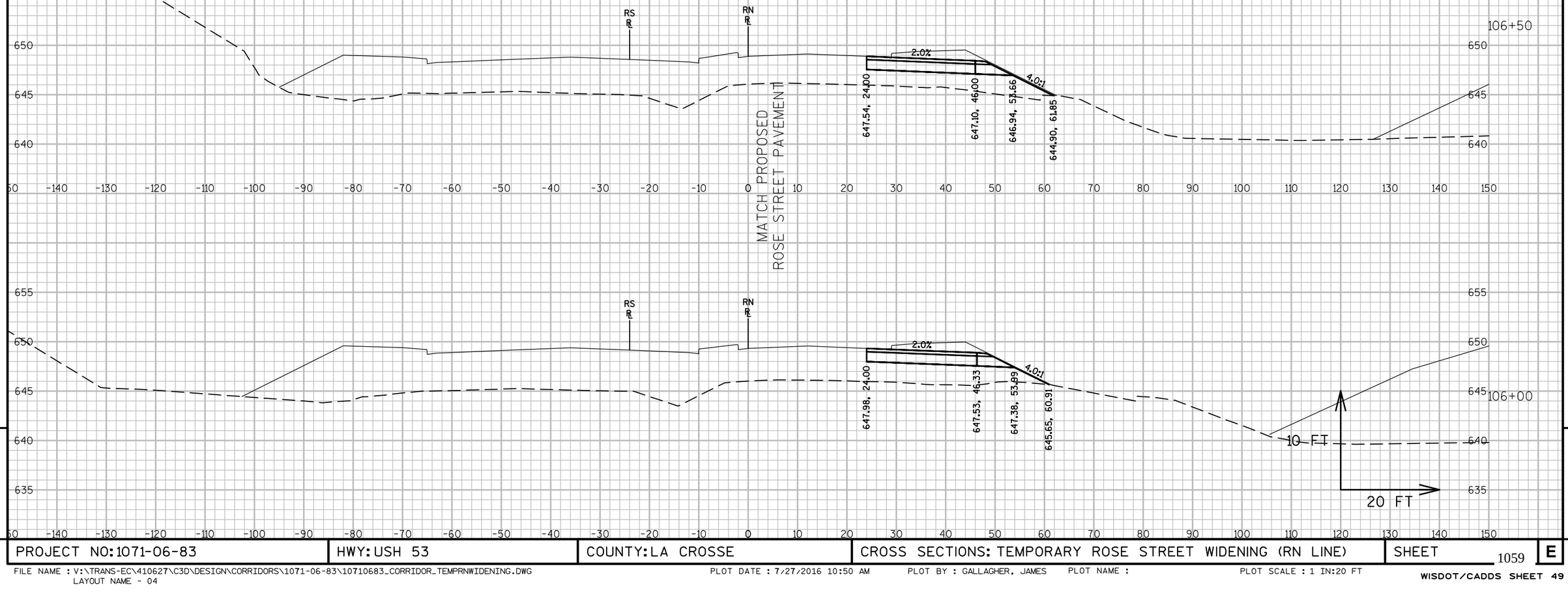


9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1058	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 03
PLOT DATE : 7/27/2016 10:49 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

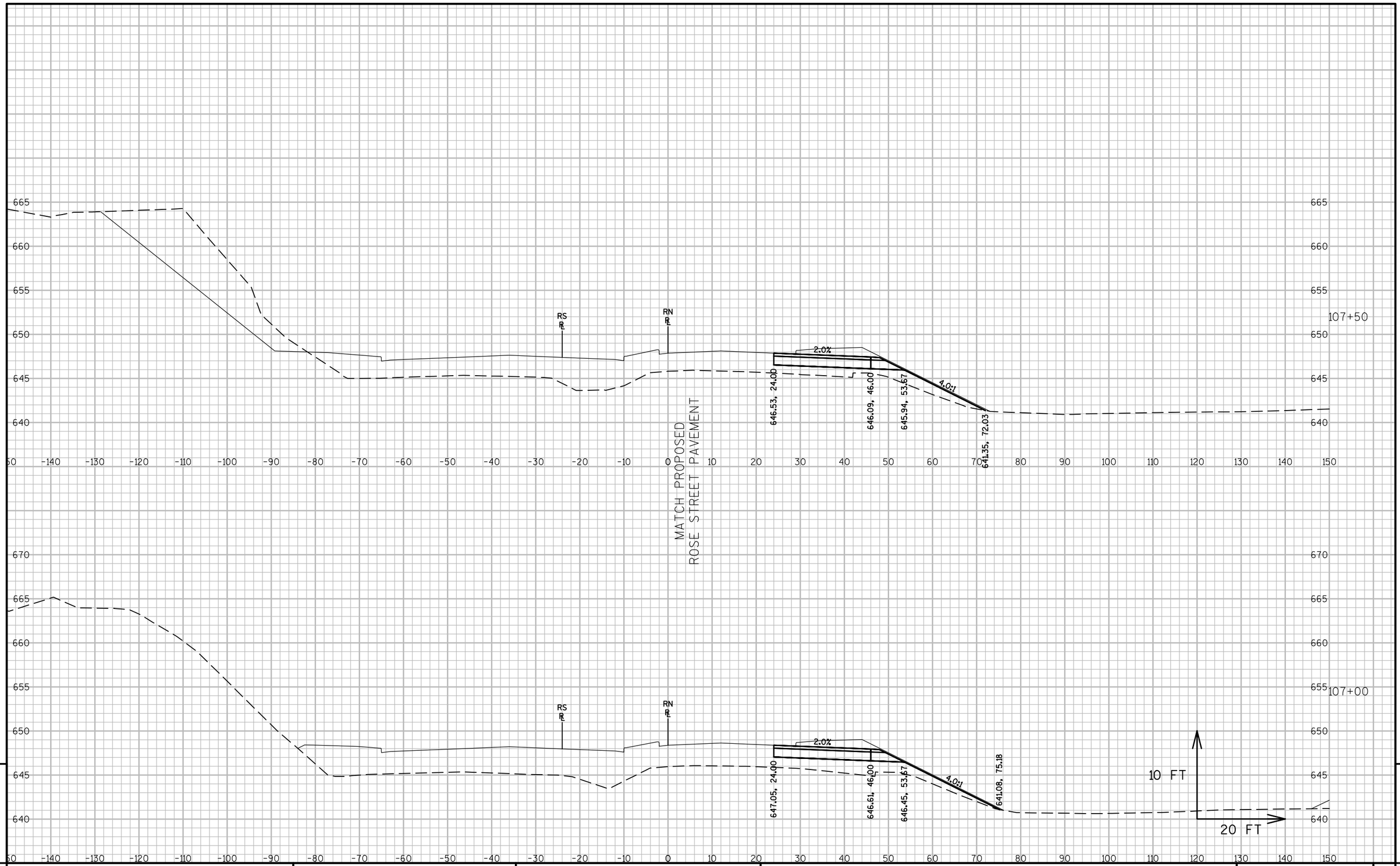


PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1059	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 04

PLOT DATE : 7/27/2016 10:50 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



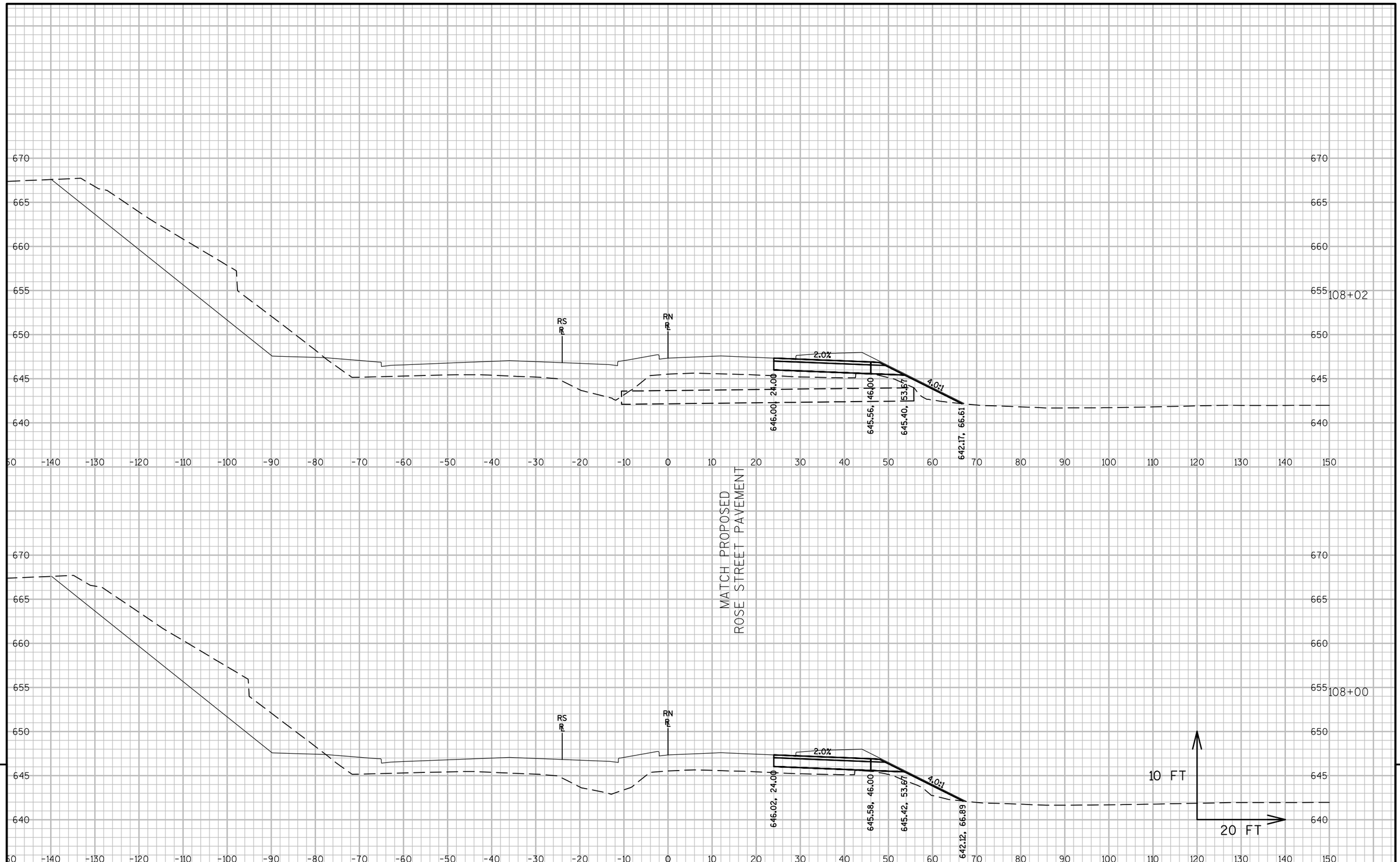
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1060	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 05

PLOT DATE : 7/27/2016 10:50 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

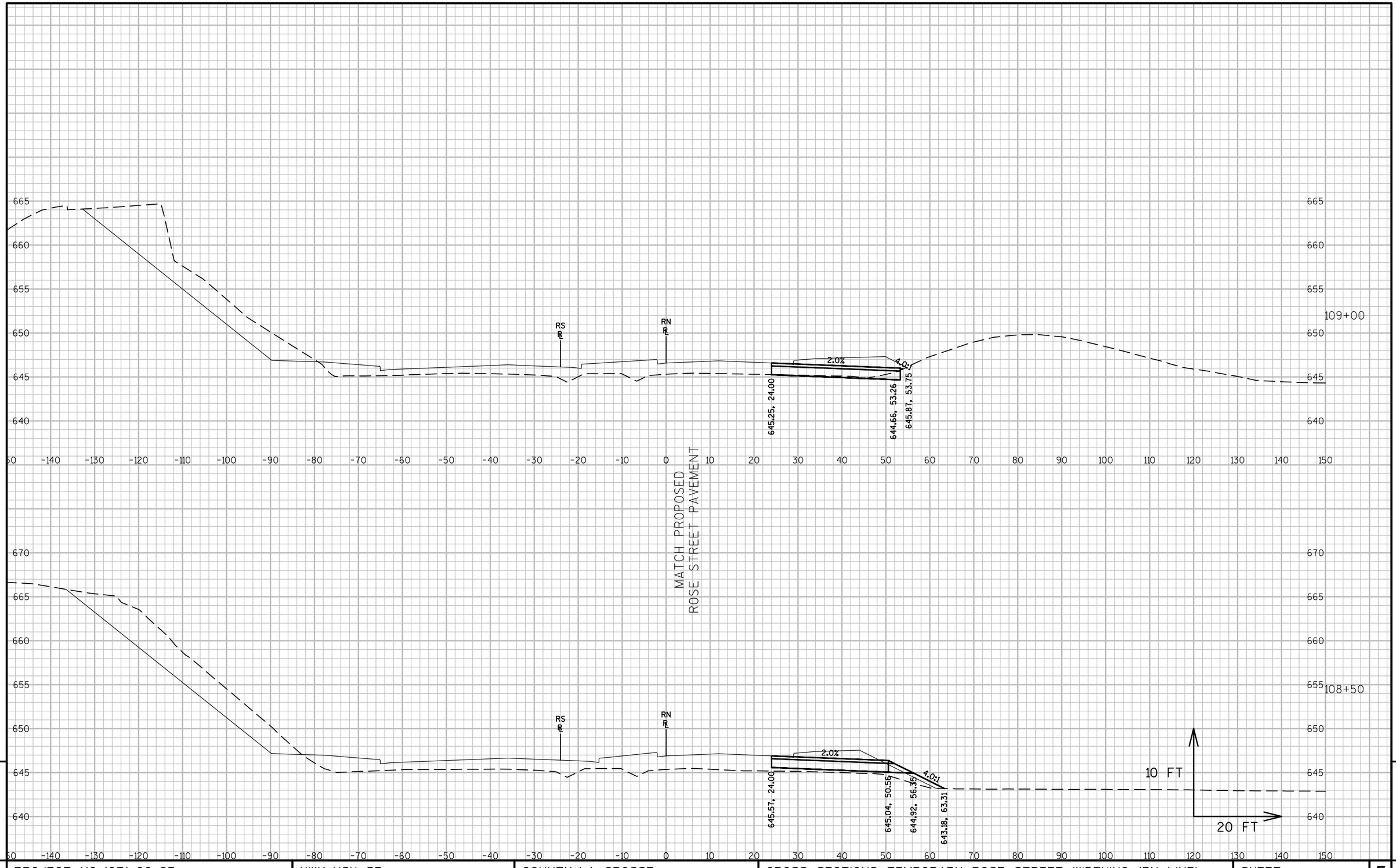


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1061 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 06

PLOT DATE : 7/27/2016 10:50 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



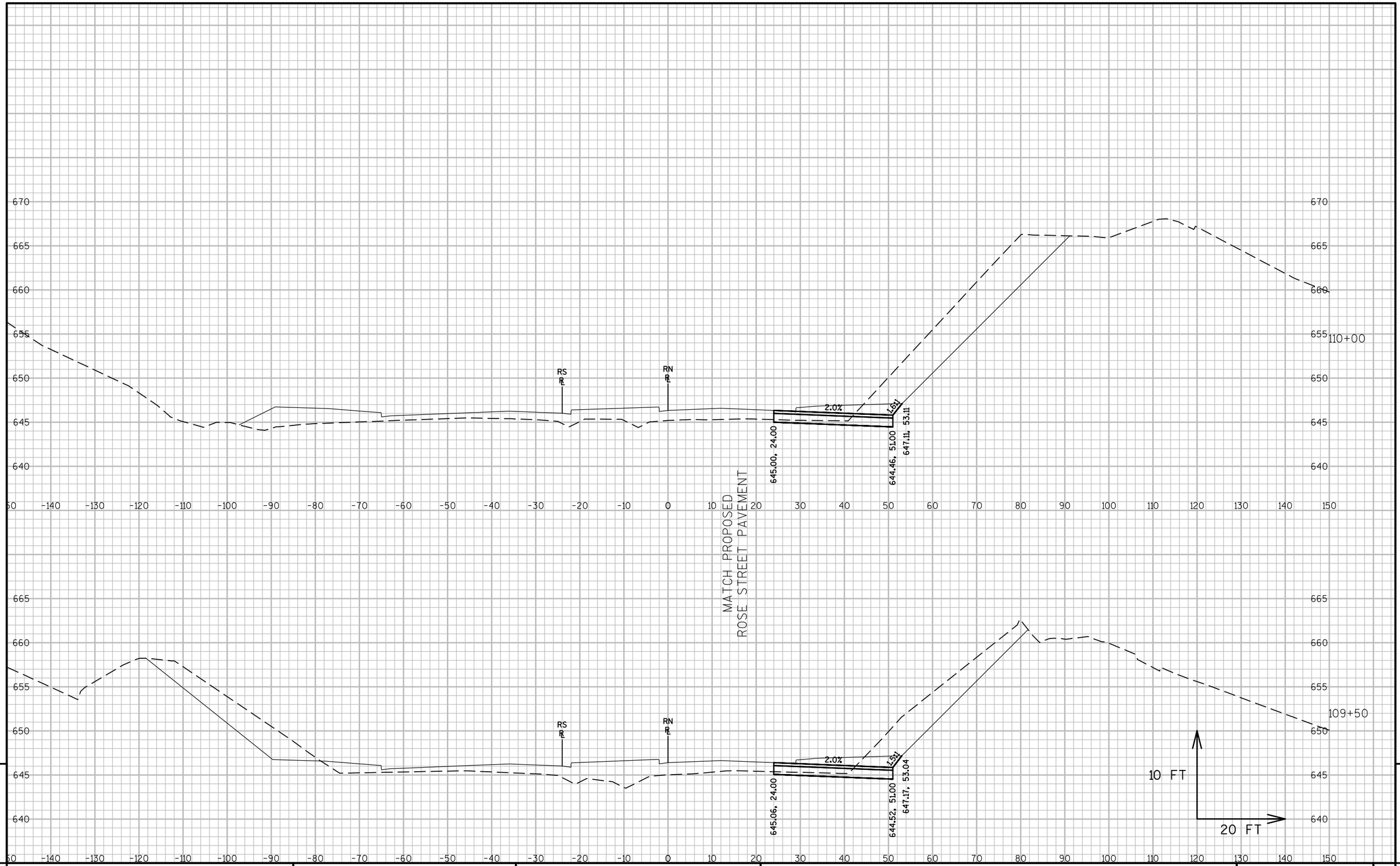
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1062	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 07

PLOT DATE : 7/27/2016 10:50 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



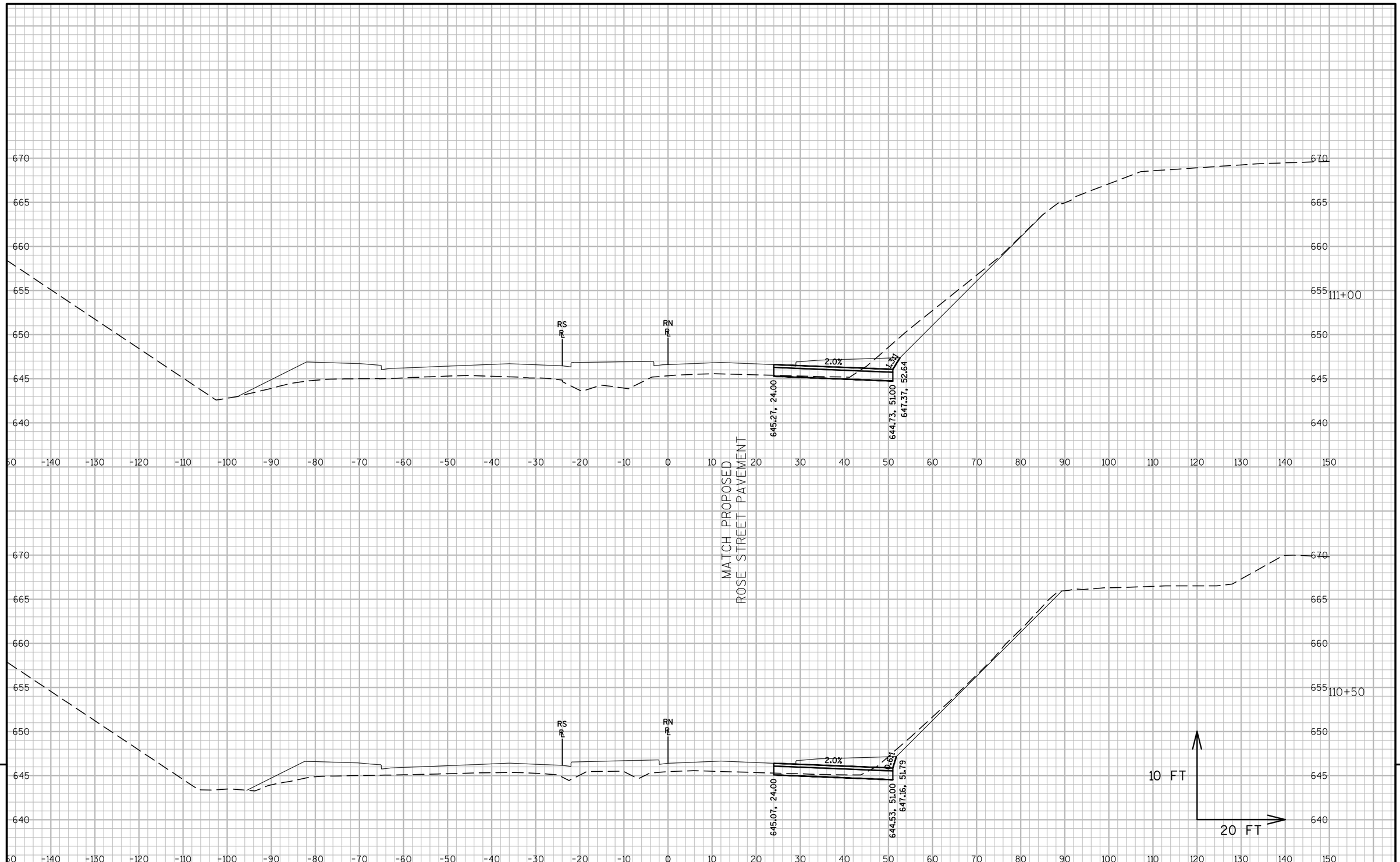
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1063	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 08

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

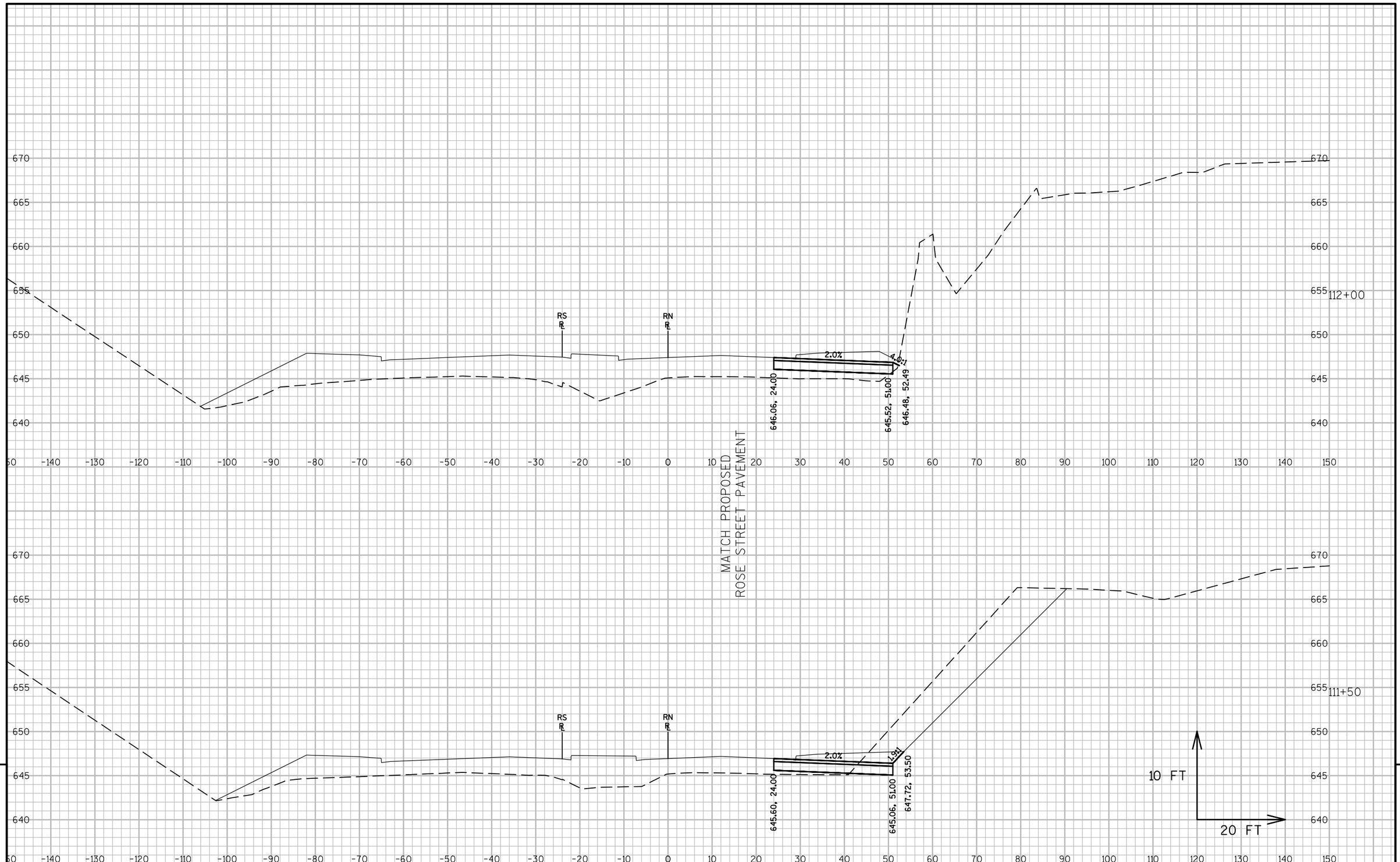
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1064	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 09

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



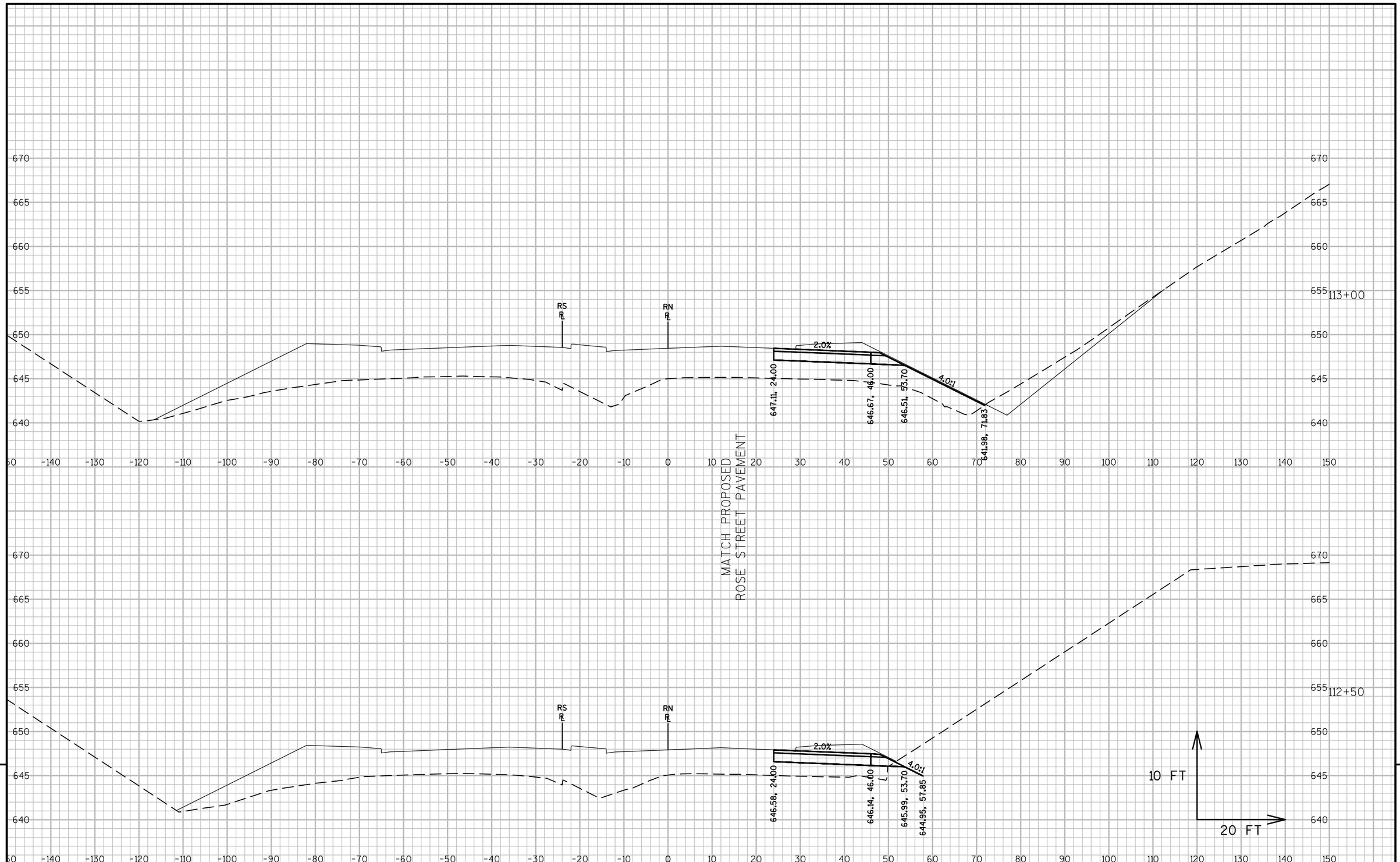
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1065	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 10

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



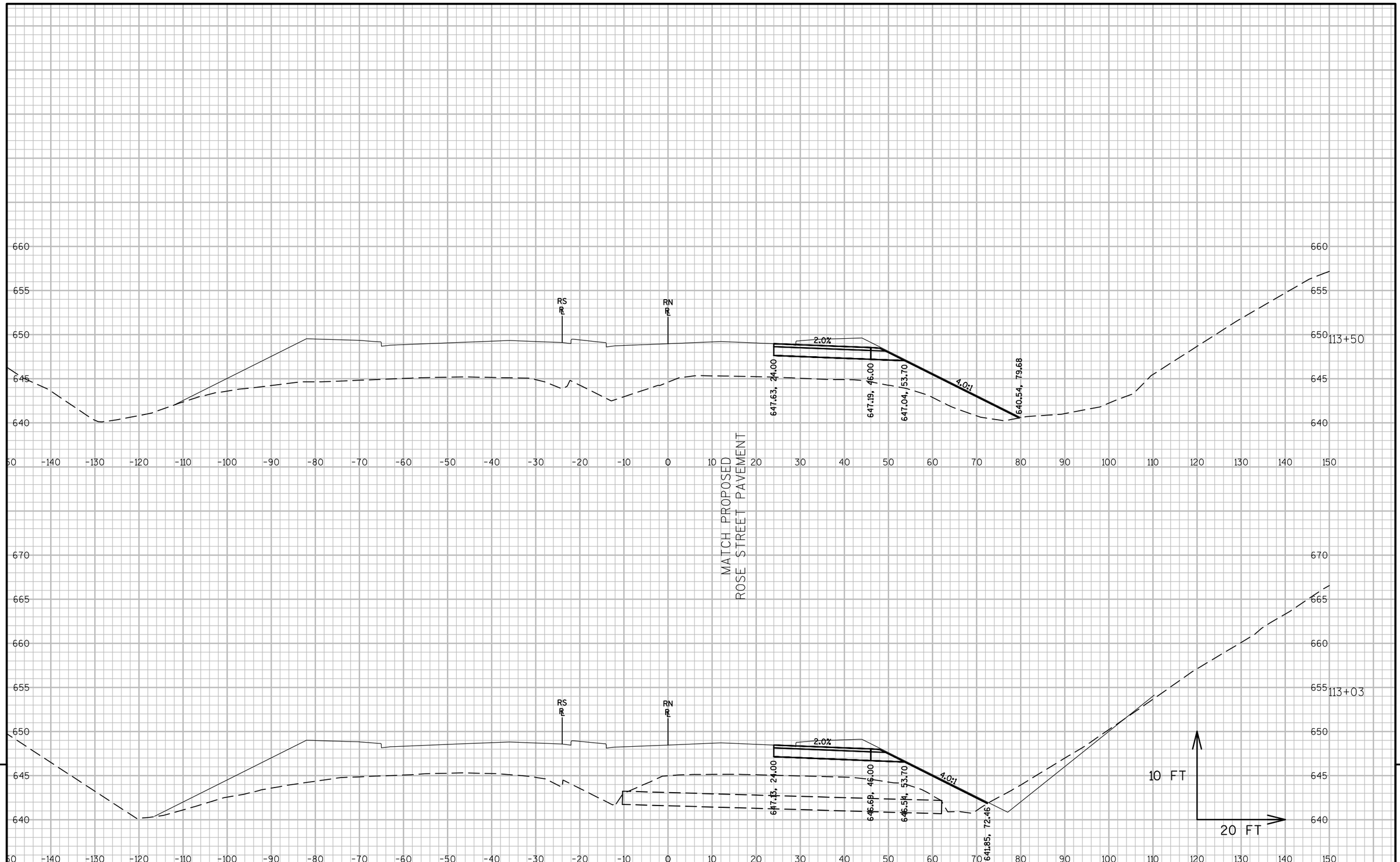
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1066 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 11

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

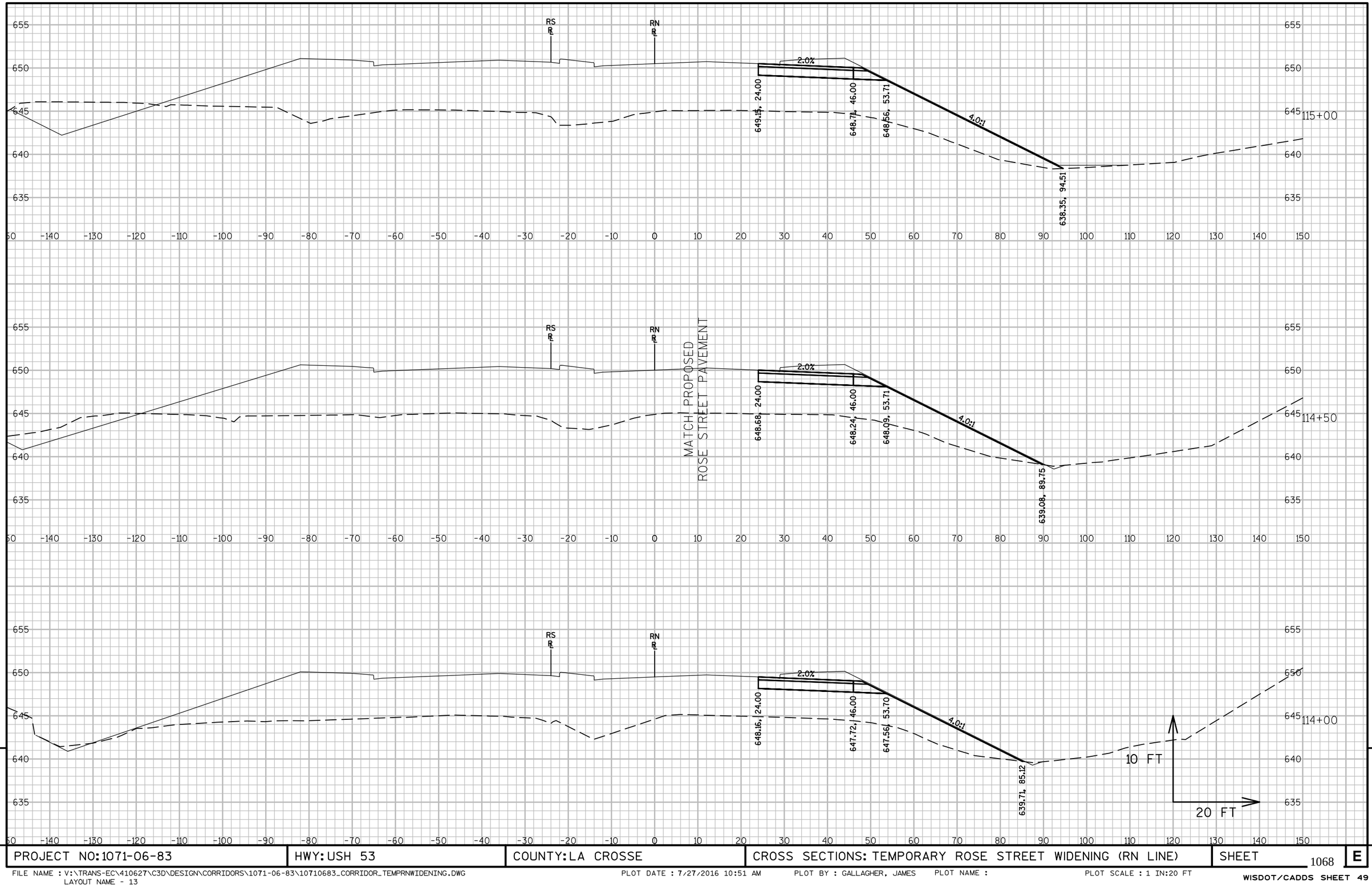
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1067	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 12

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

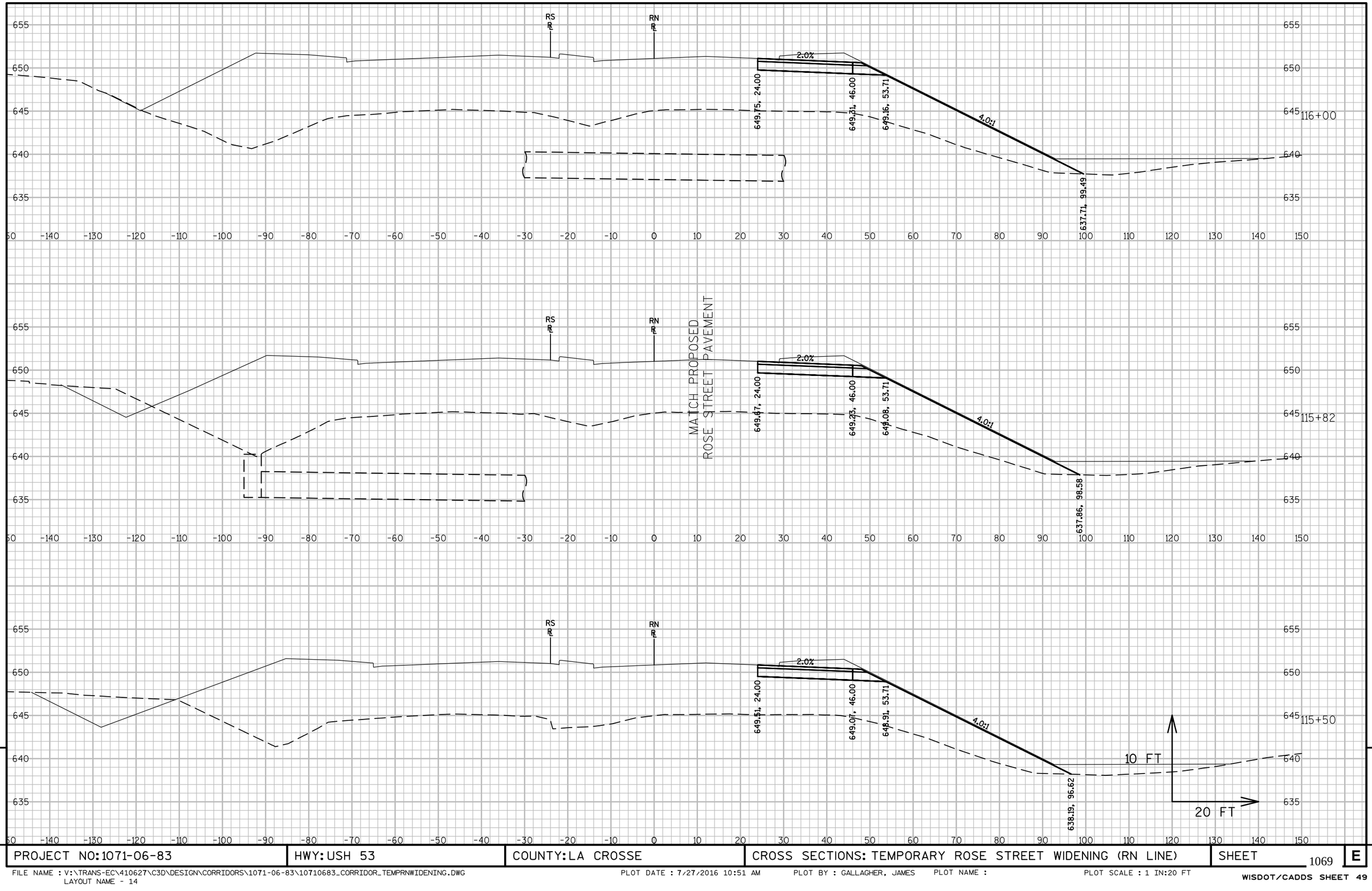


9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1068	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 13
PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

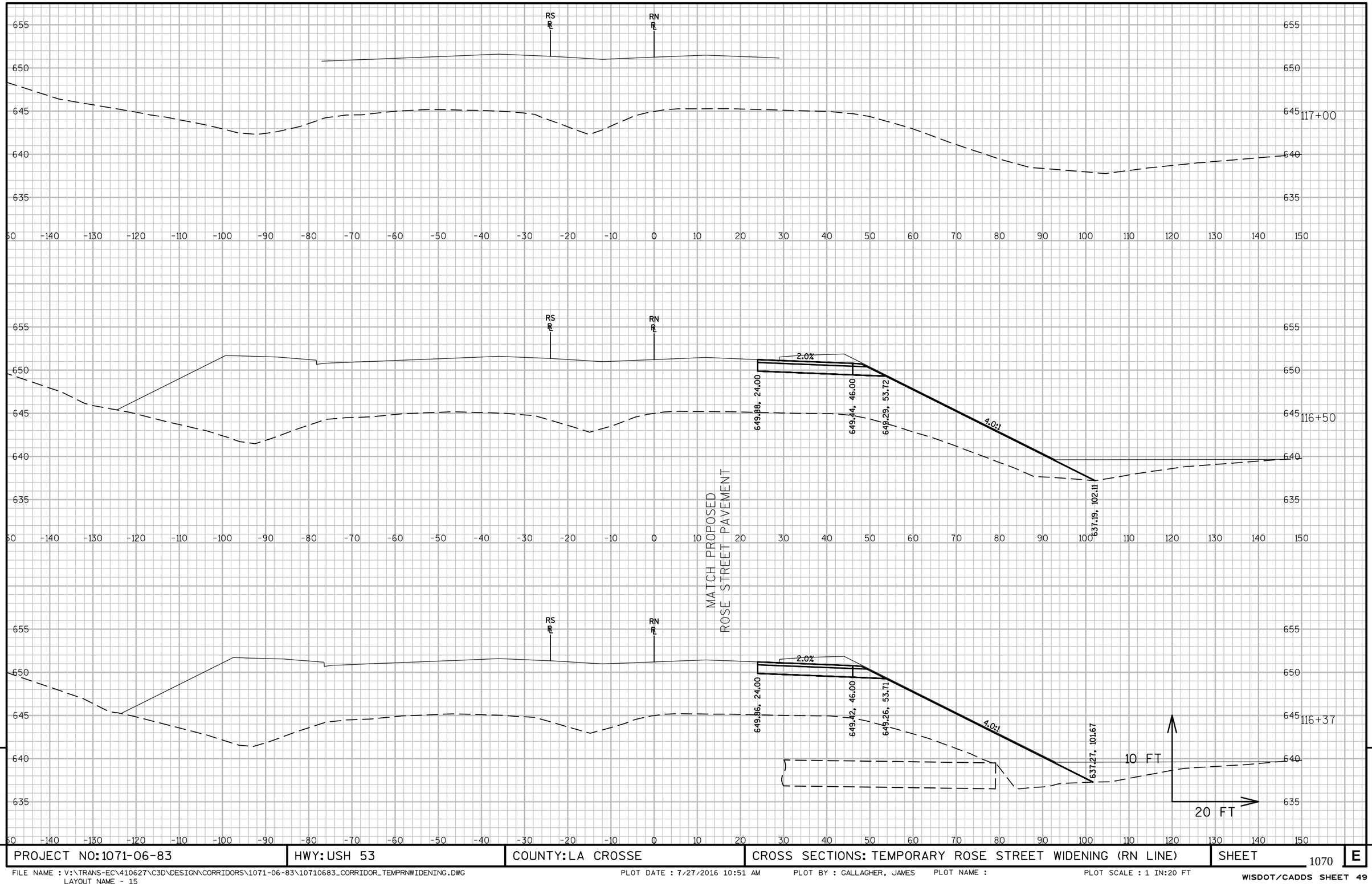


9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1069 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 14
PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

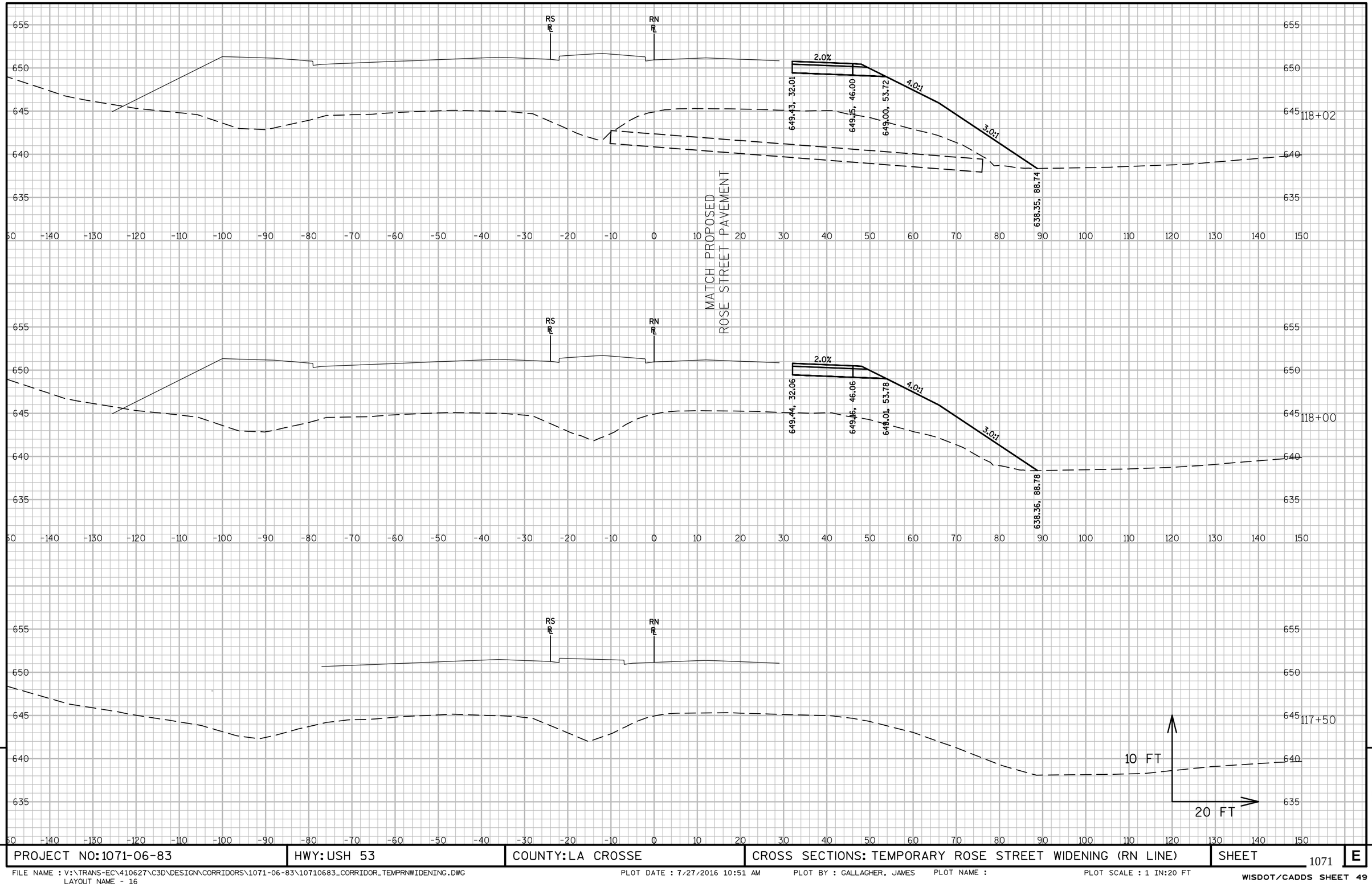


PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1070	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 15

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



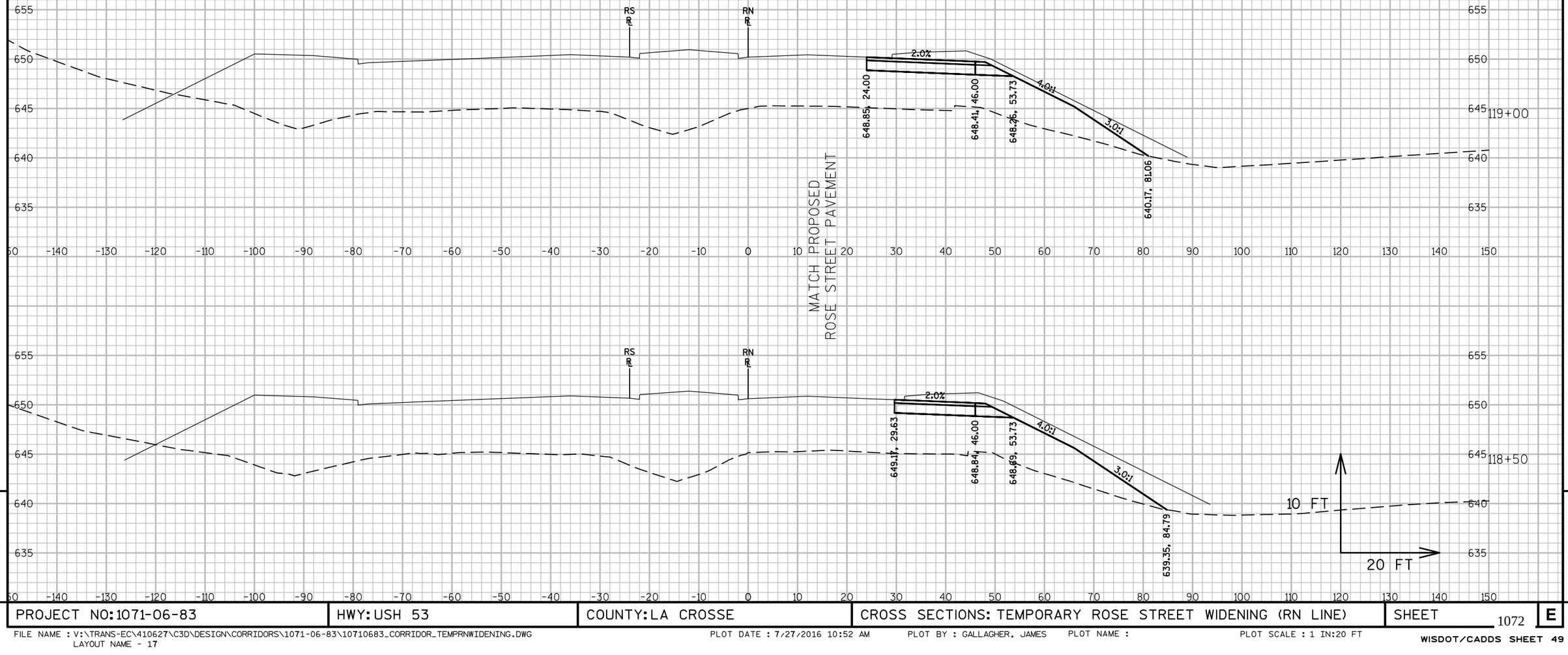
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1071 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 16

PLOT DATE : 7/27/2016 10:51 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1072	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 17
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



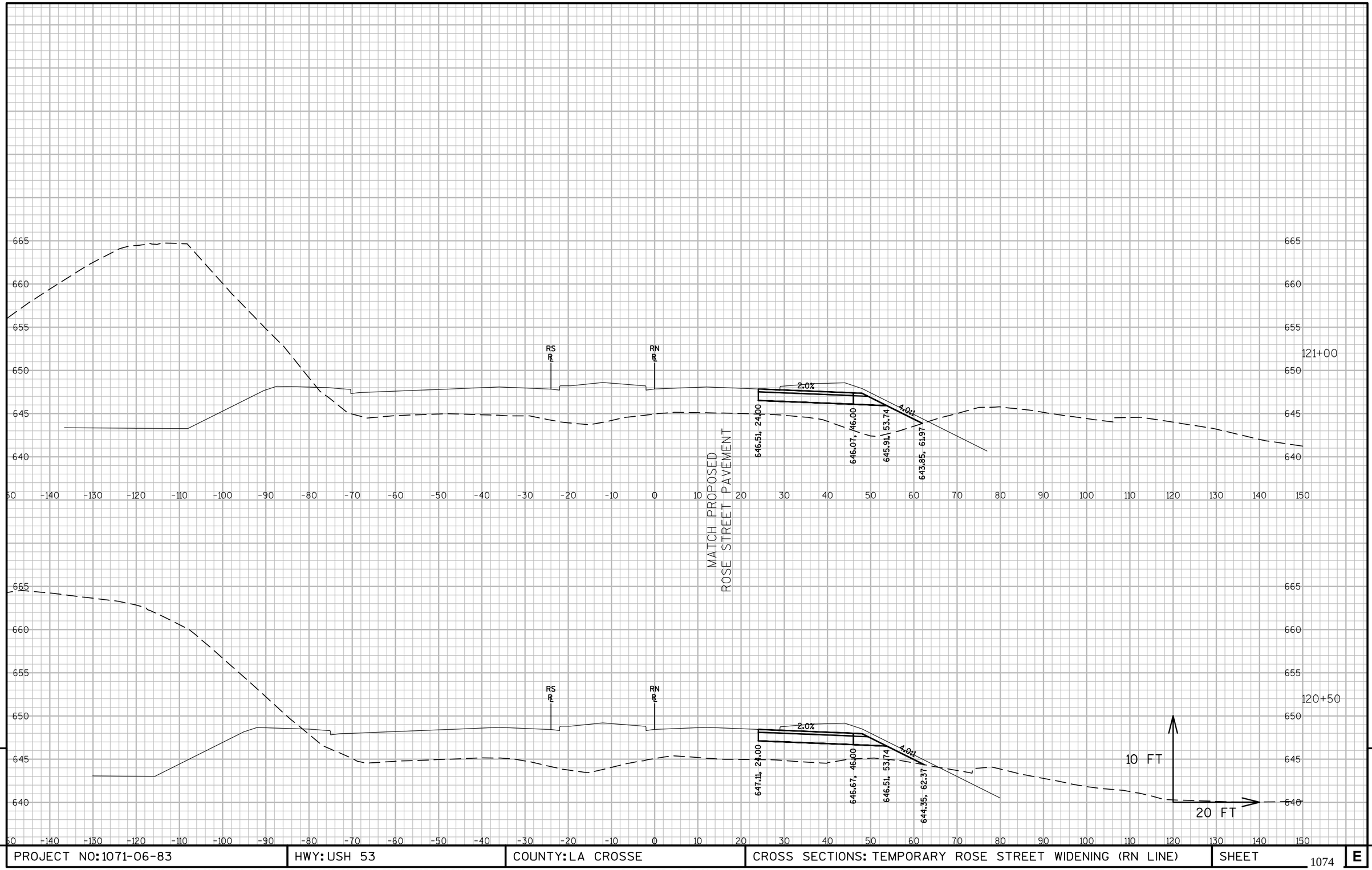
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1073	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 18

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

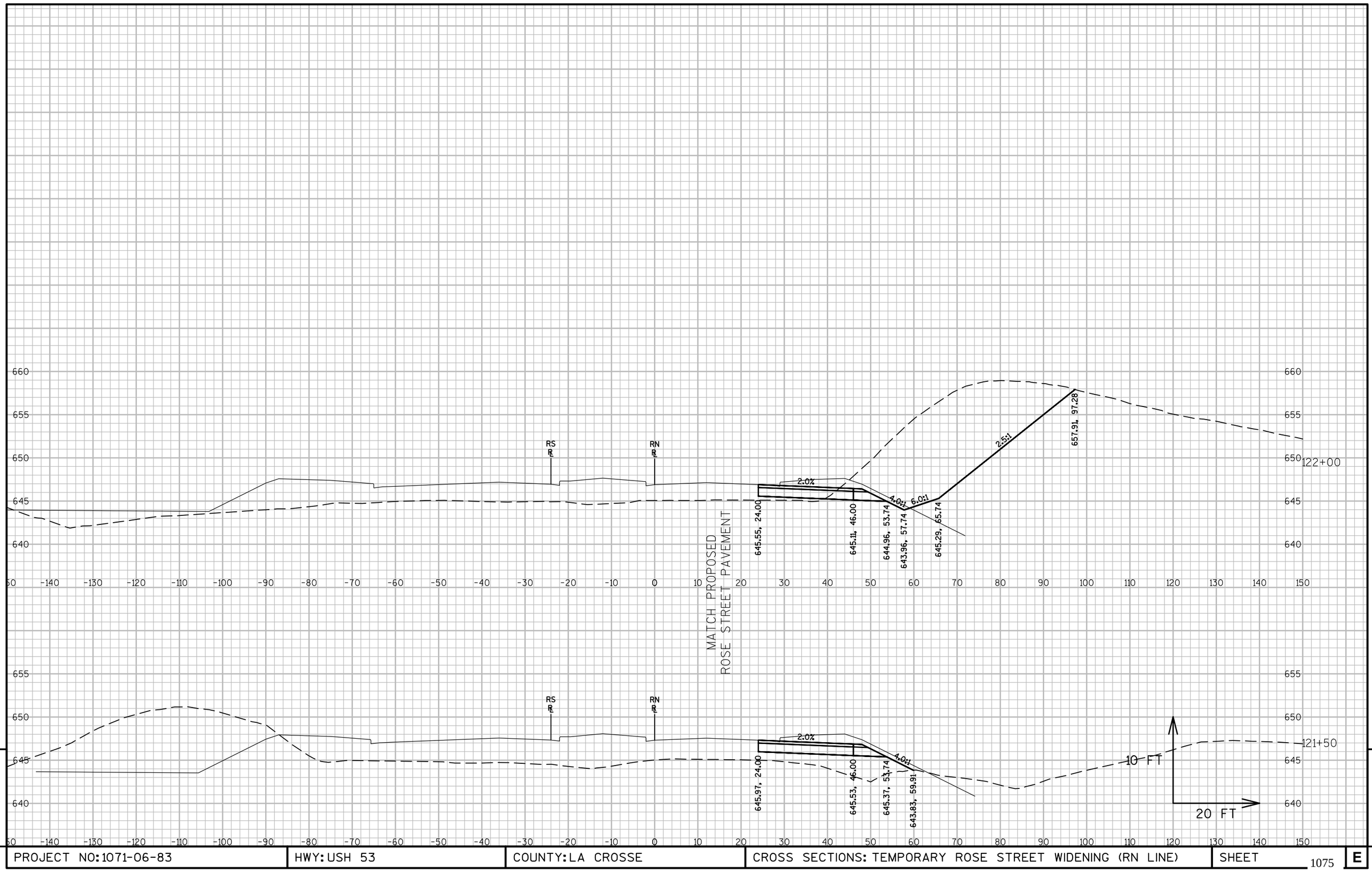
9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1074	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 19

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

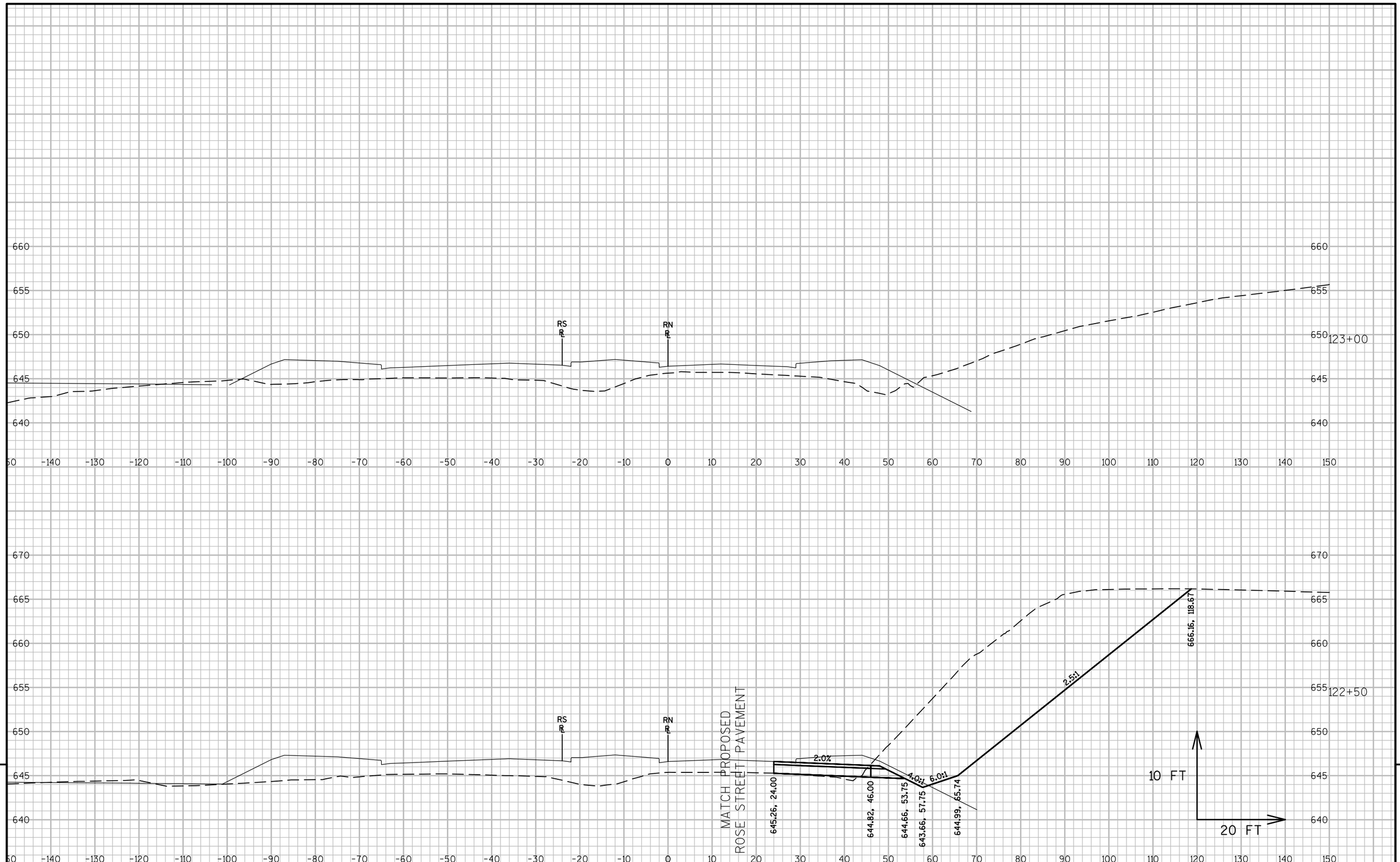
WISDOT/CADDS SHEET 49



9 9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1075	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 20
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



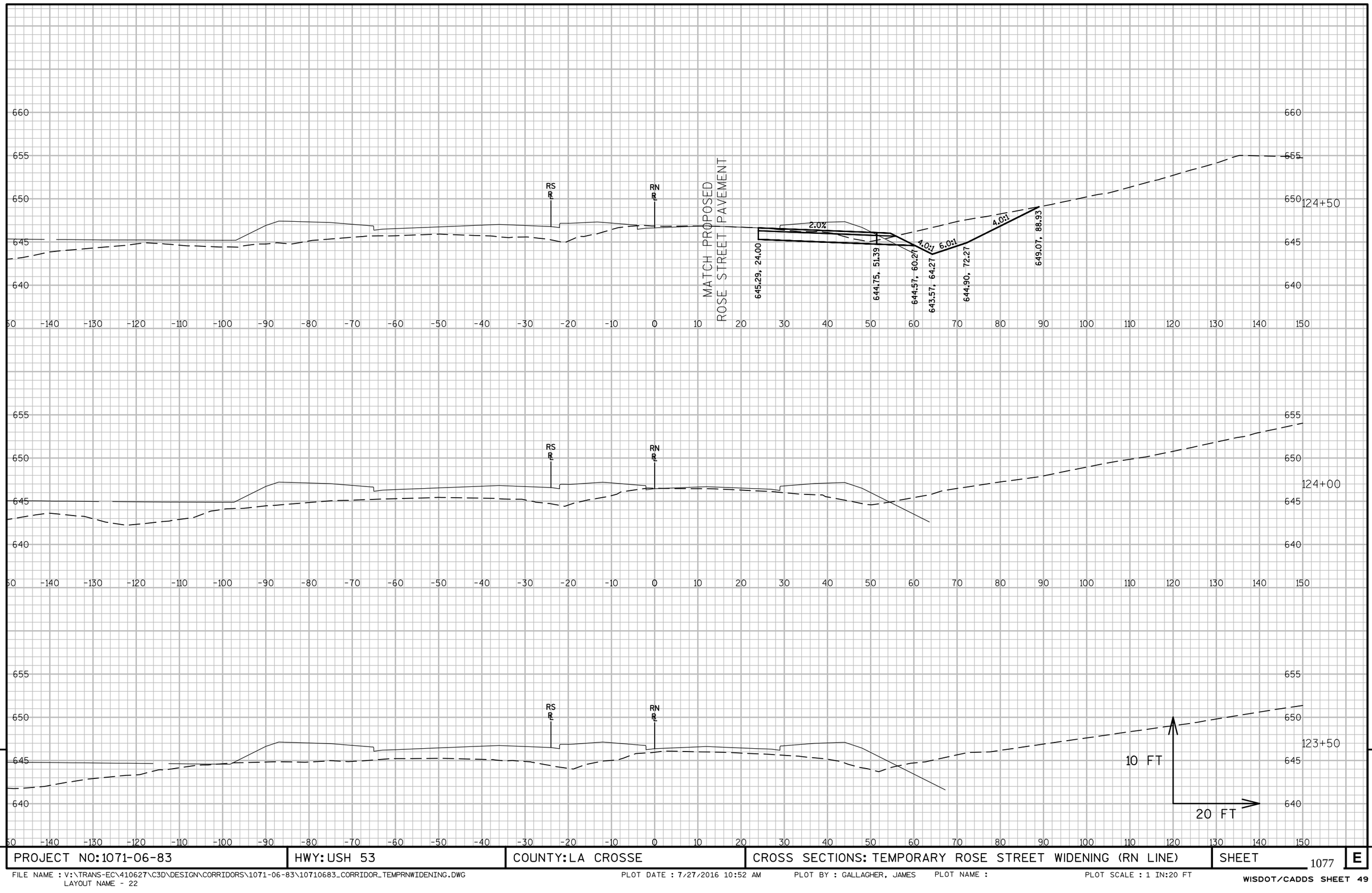
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1076	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 21

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1077	E

9

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 22

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

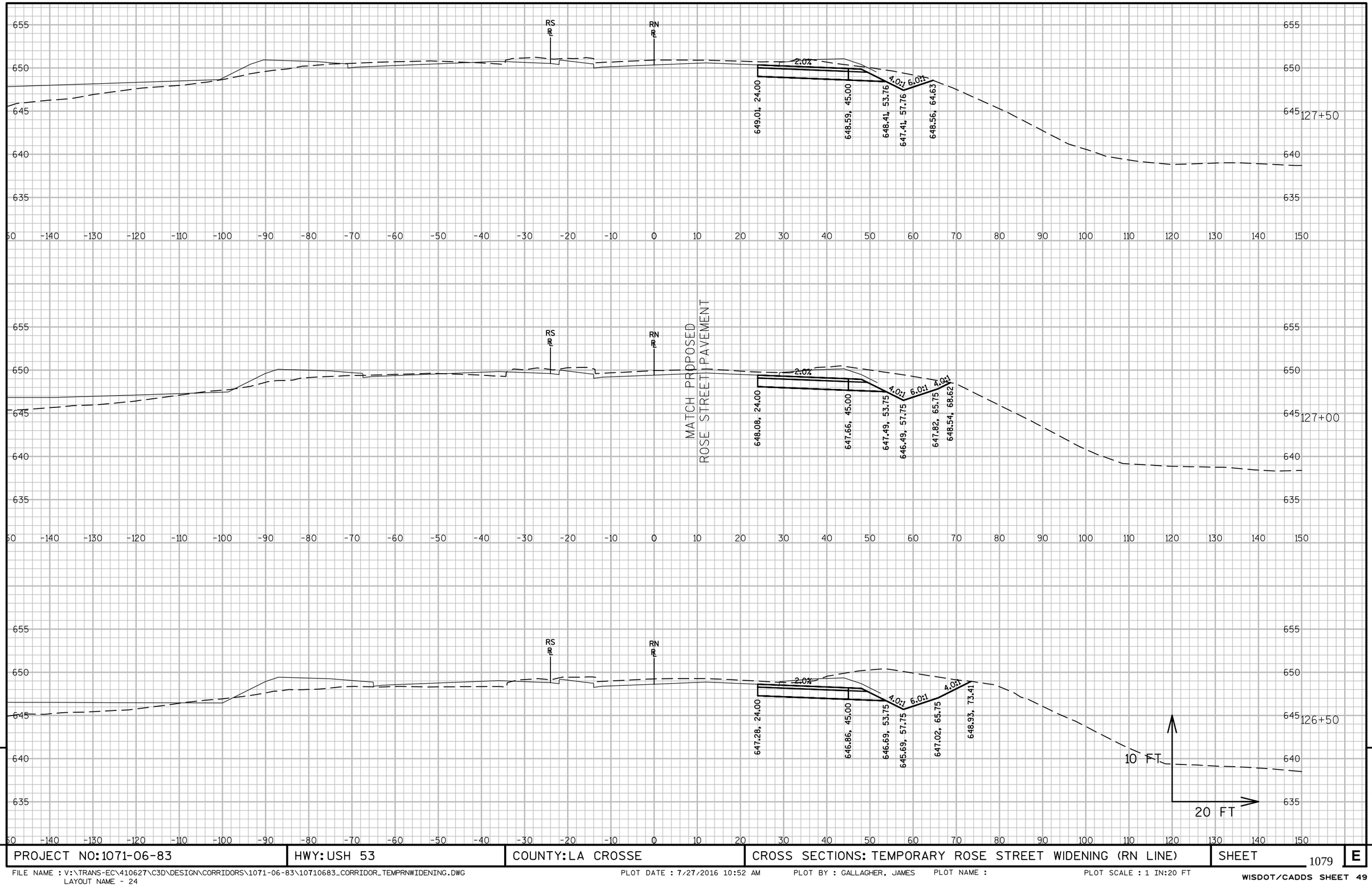
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1078	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 23

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

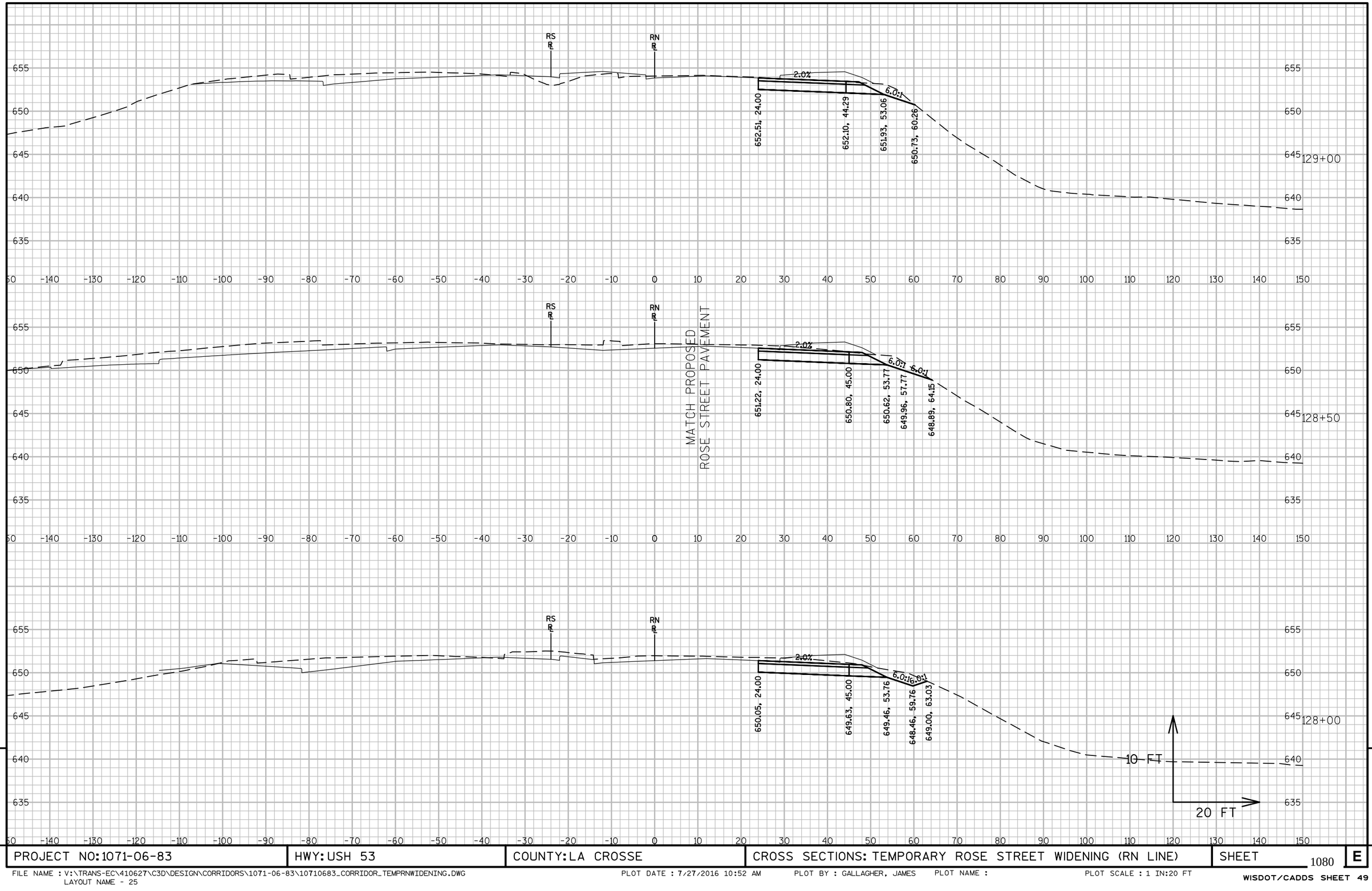


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1079 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 24
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



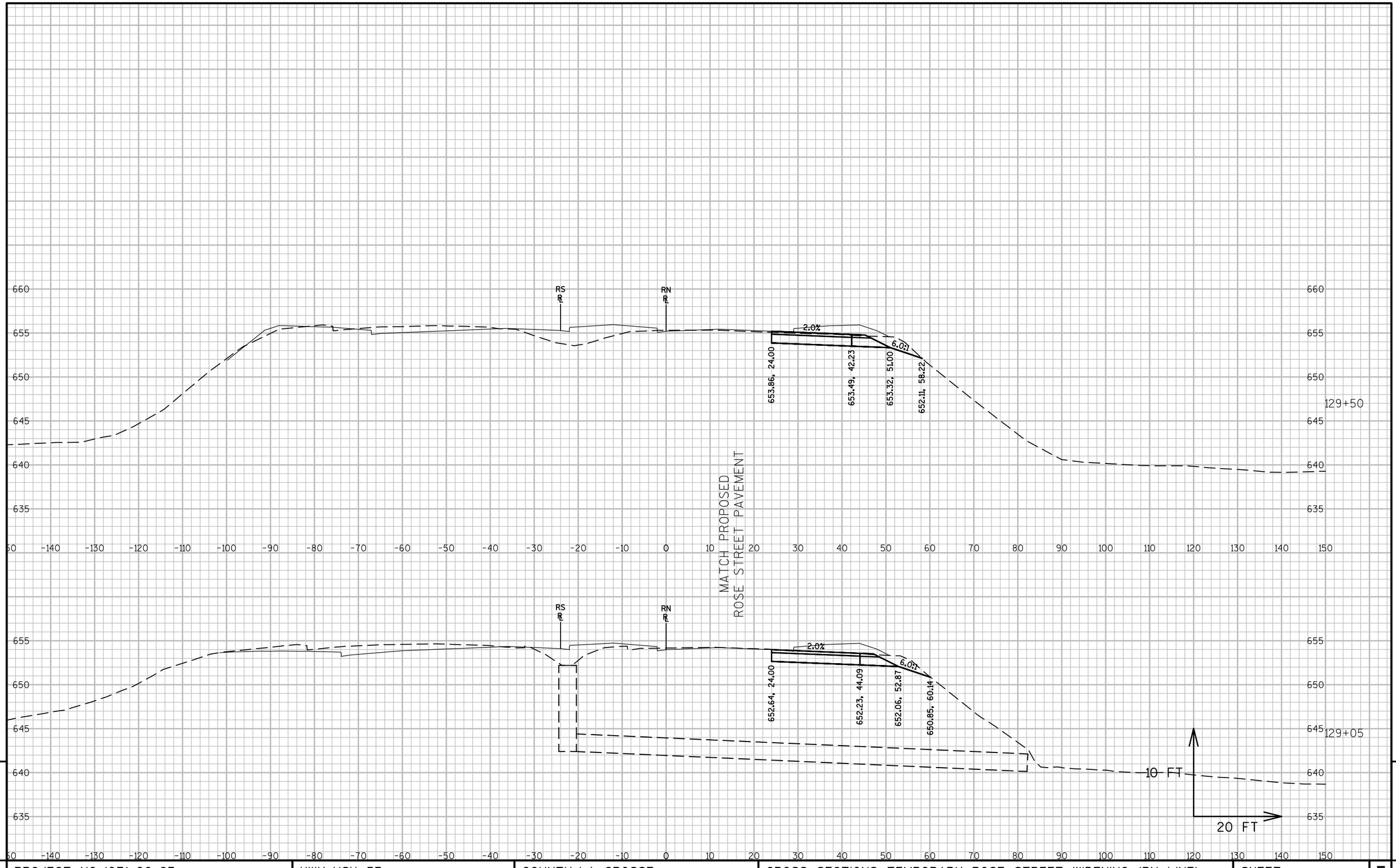
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1080	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 25

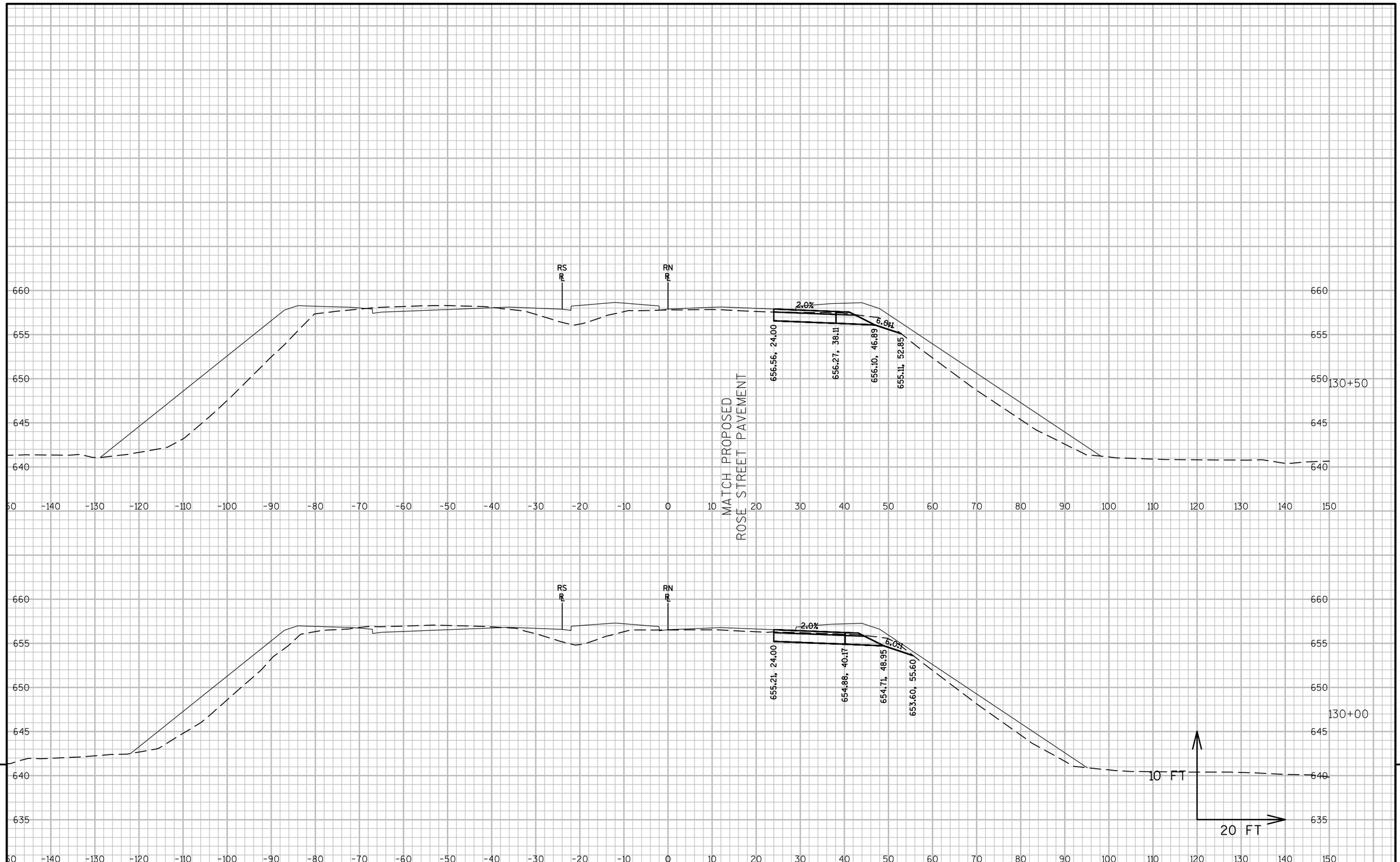
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9 9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1081	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 26
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

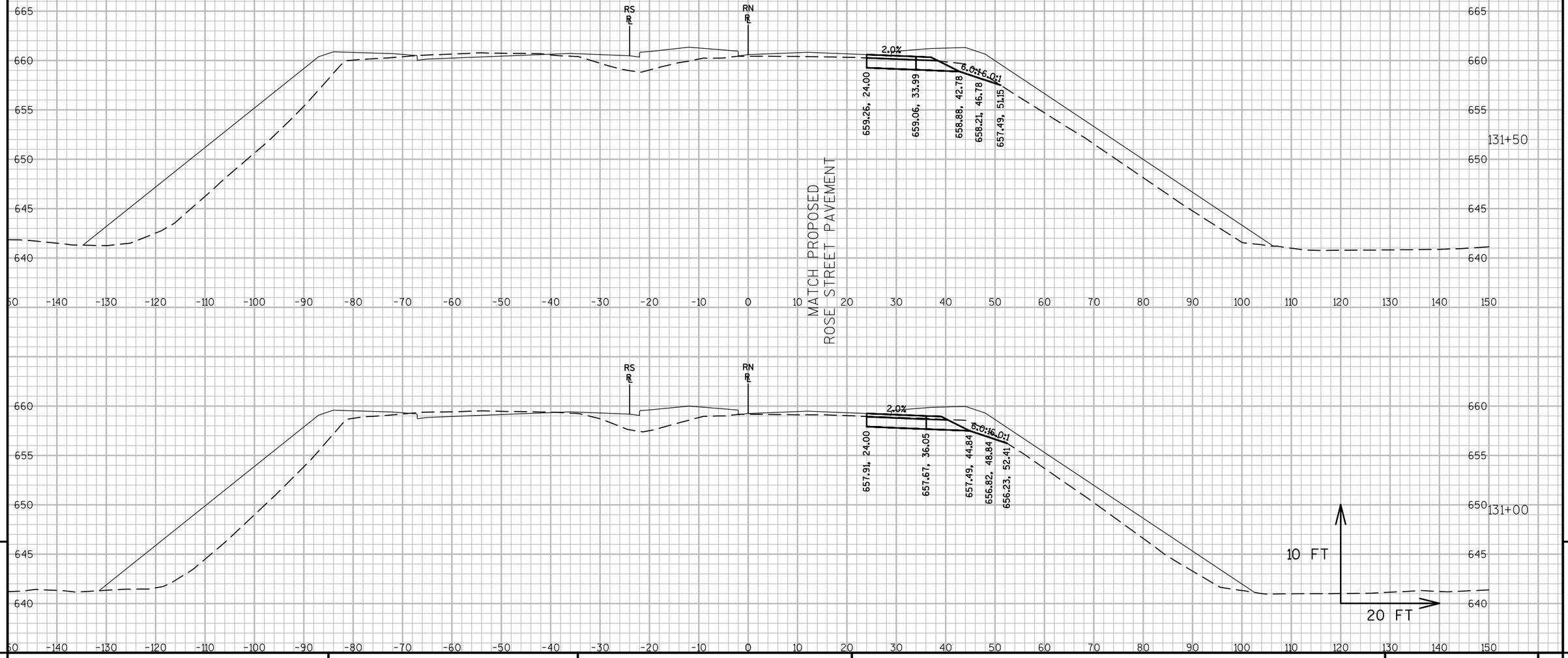


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1082	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 27
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

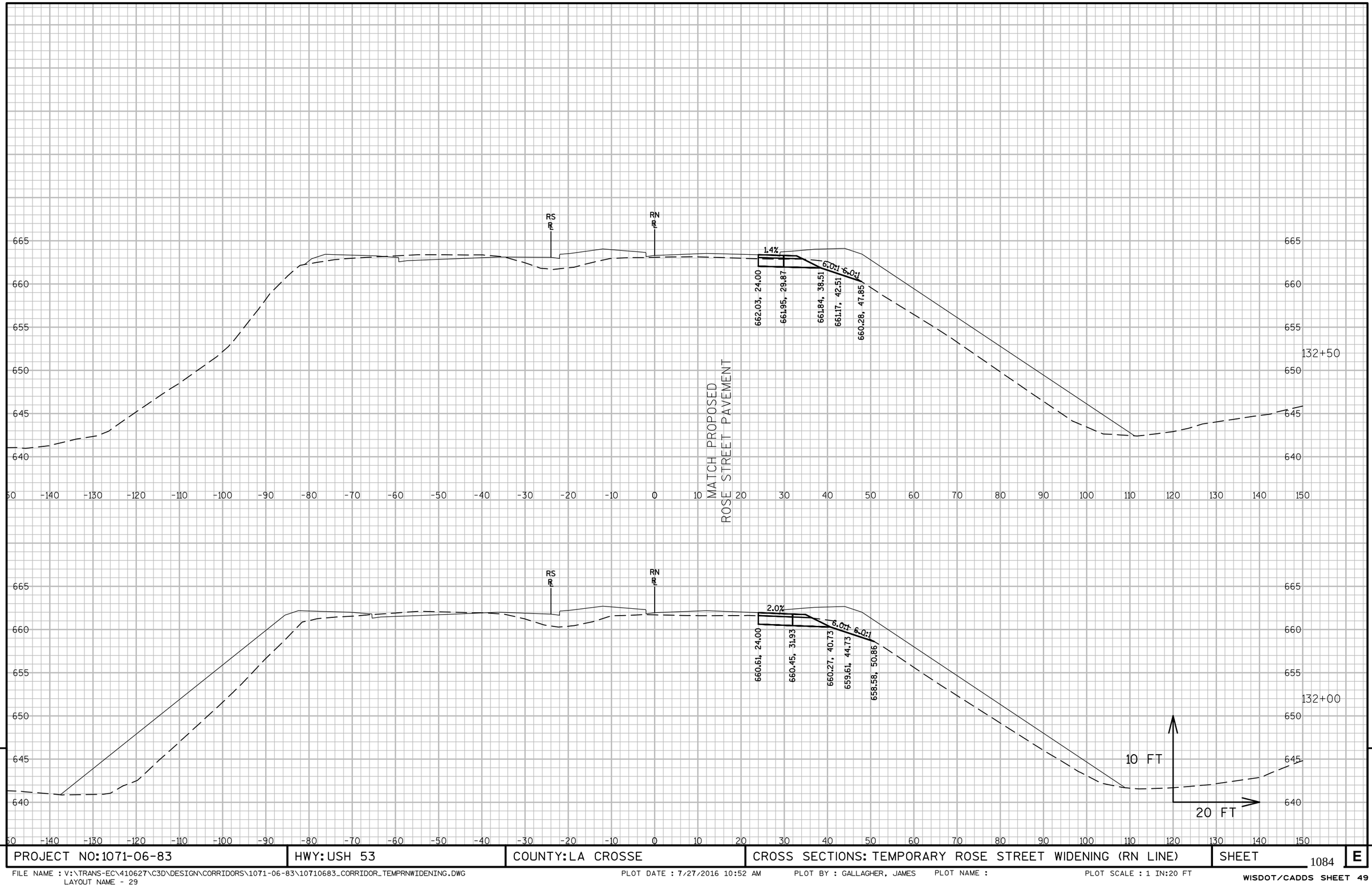


9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1083	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 28
PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

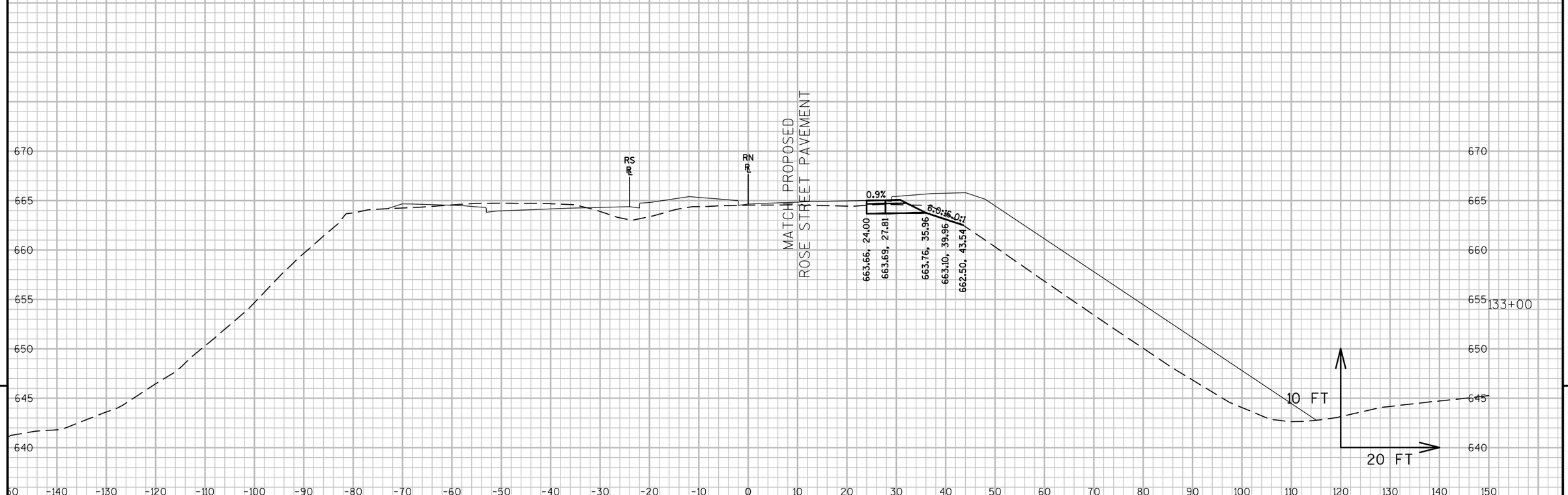
9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1084	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 29

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



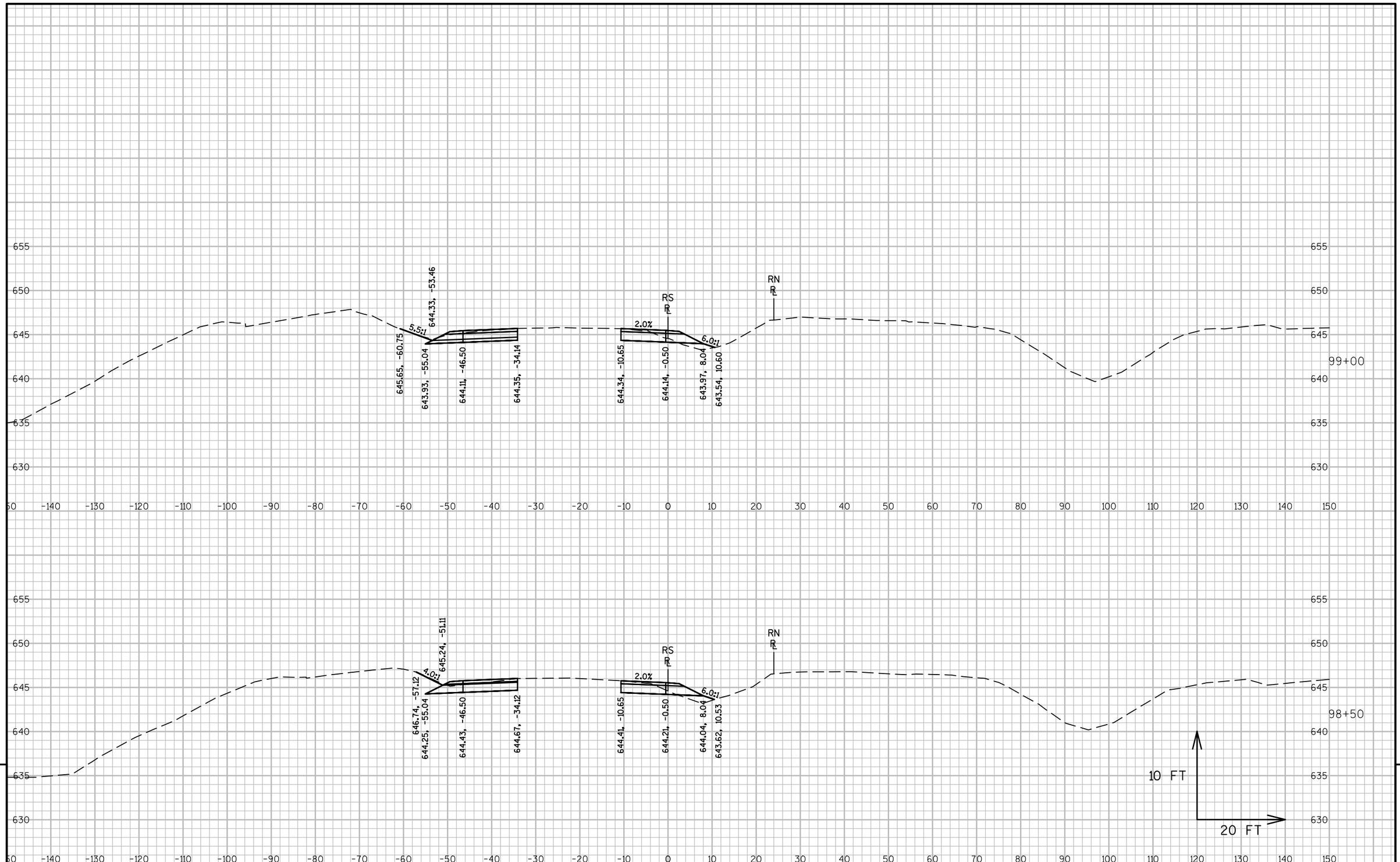
9 9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RN LINE)	SHEET 1085 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRNWIDENING.DWG
LAYOUT NAME - 30

PLOT DATE : 7/27/2016 10:52 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

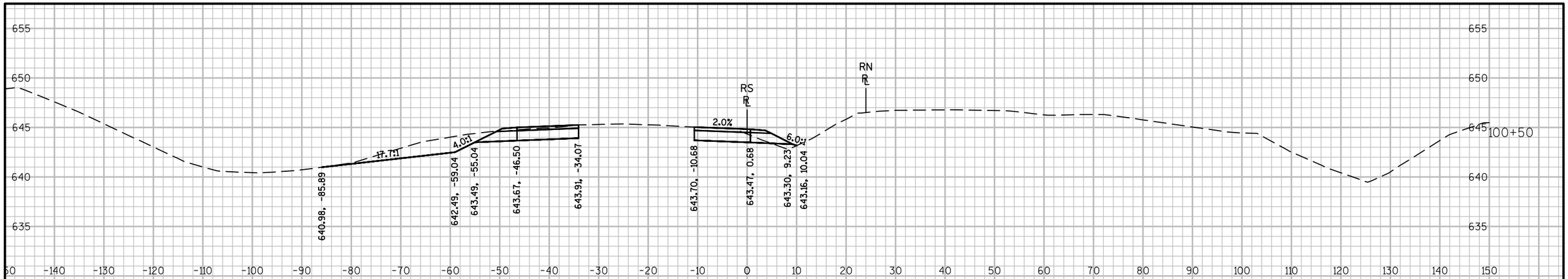
WISDOT/CADDS SHEET 49

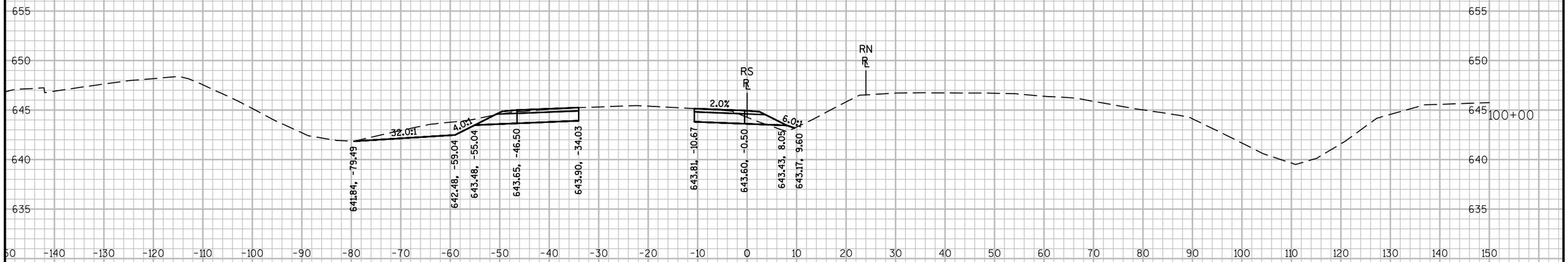


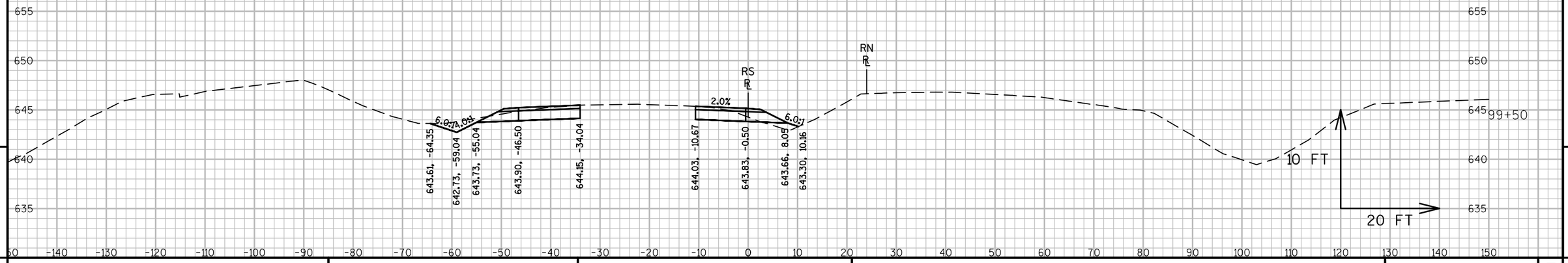
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1086 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090201_XSTR

PLOT DATE : 7/27/2016 1:15 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







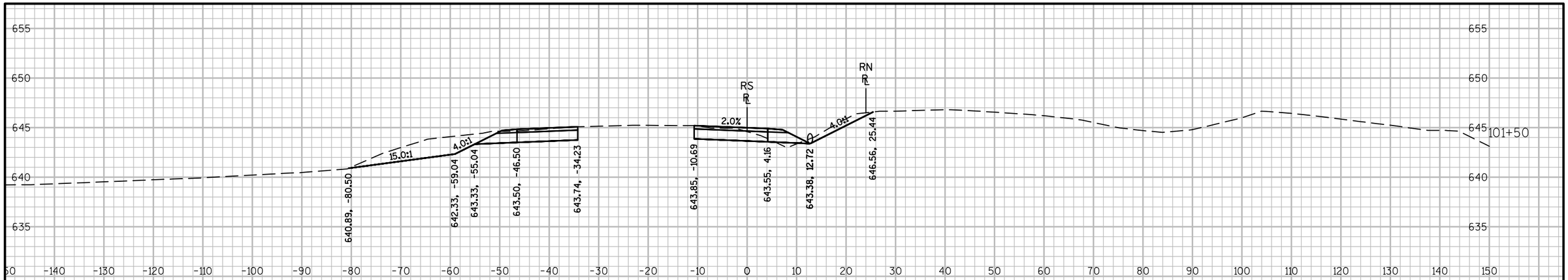
9

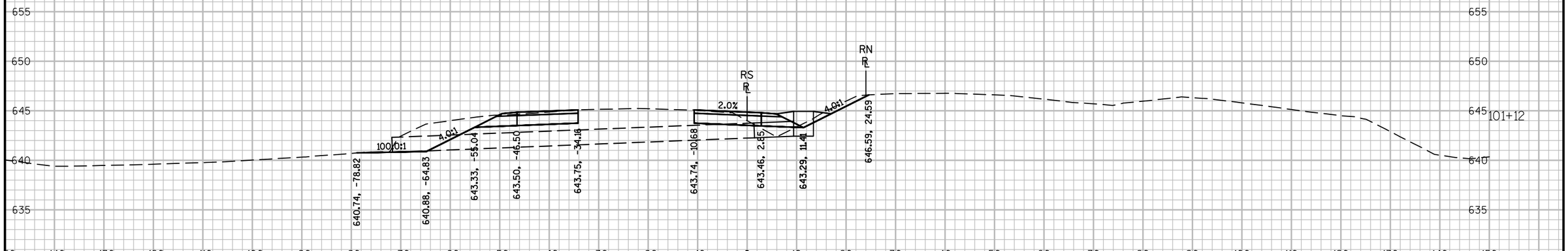
9

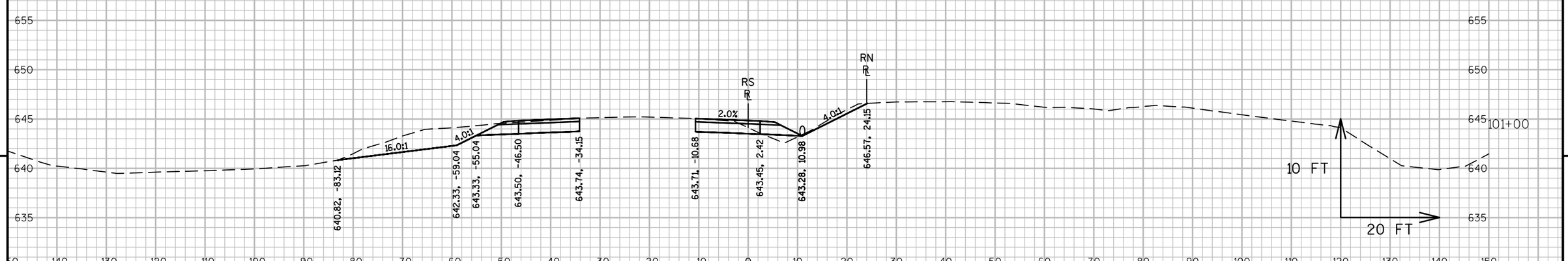
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1087	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090202_XSTR

PLOT DATE : 7/27/2016 1:16 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







9

9

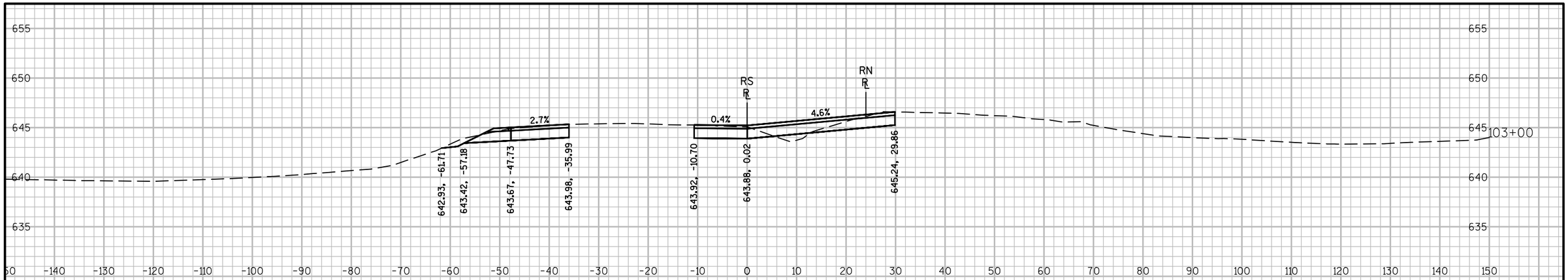
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1088	E

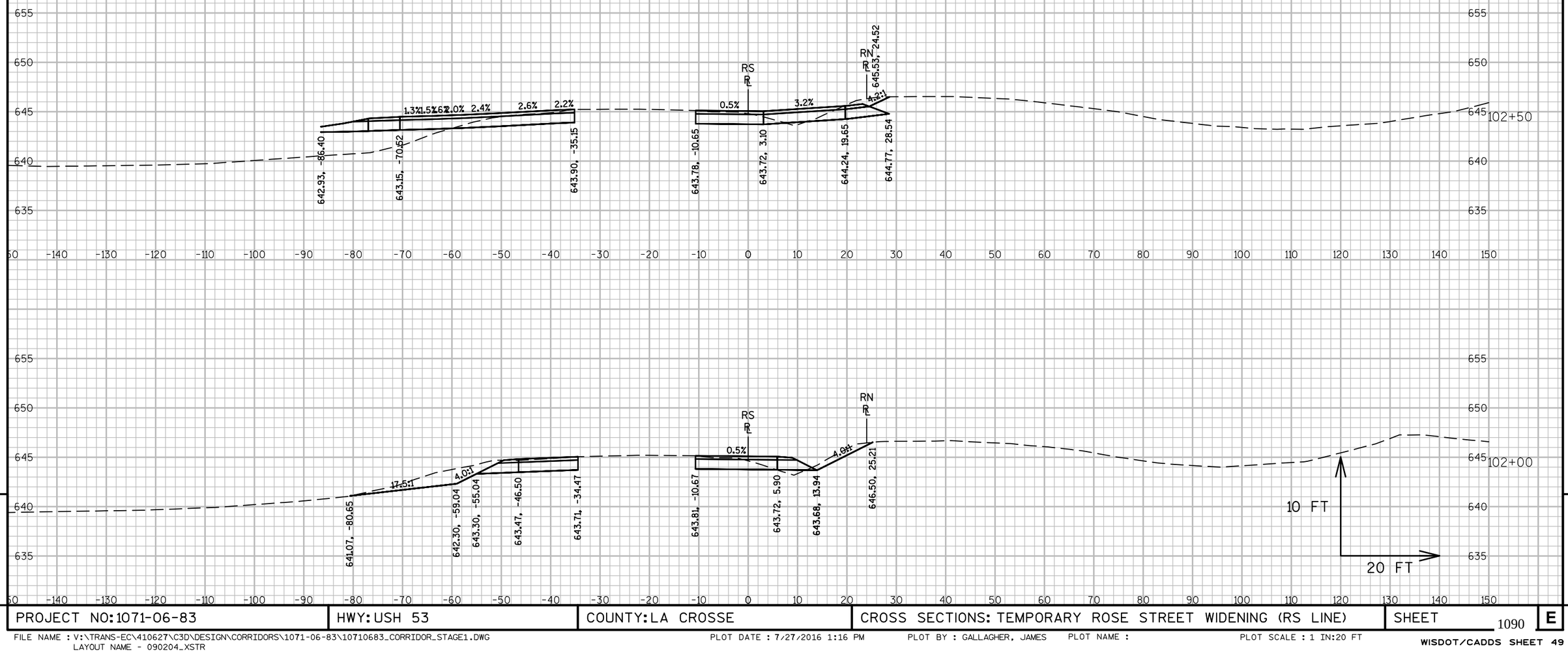
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090203_XSTR
PLOT DATE : 7/27/2016 1:16 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1089	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090205_XSTR

PLOT DATE : 7/27/2016 1:16 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT





9

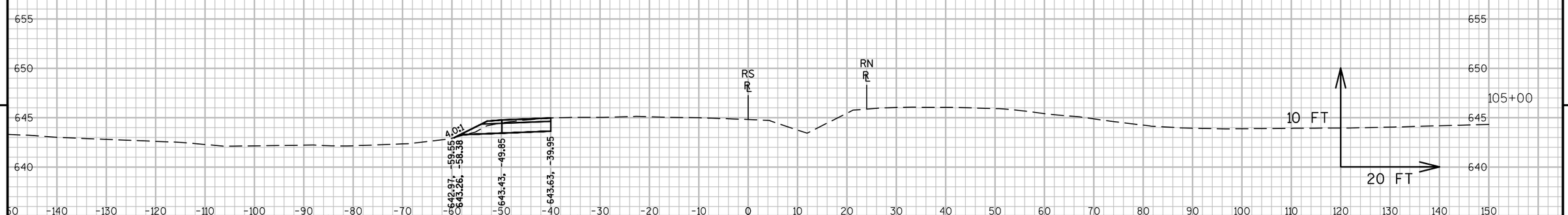
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1090	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090204_XSTR
PLOT DATE : 7/27/2016 1:16 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49







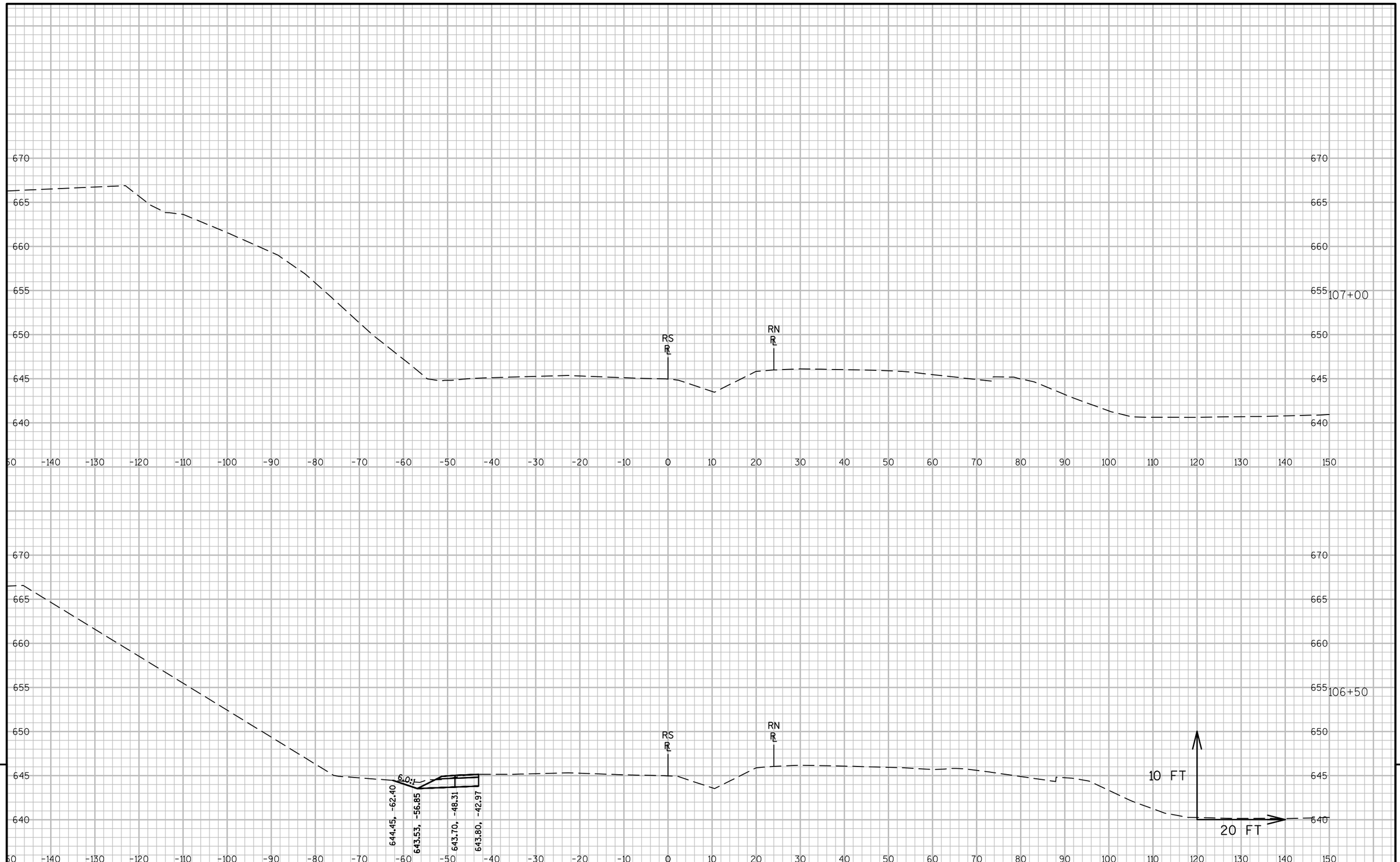
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1091	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090206_XSTR

PLOT DATE : 7/27/2016 1:16 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



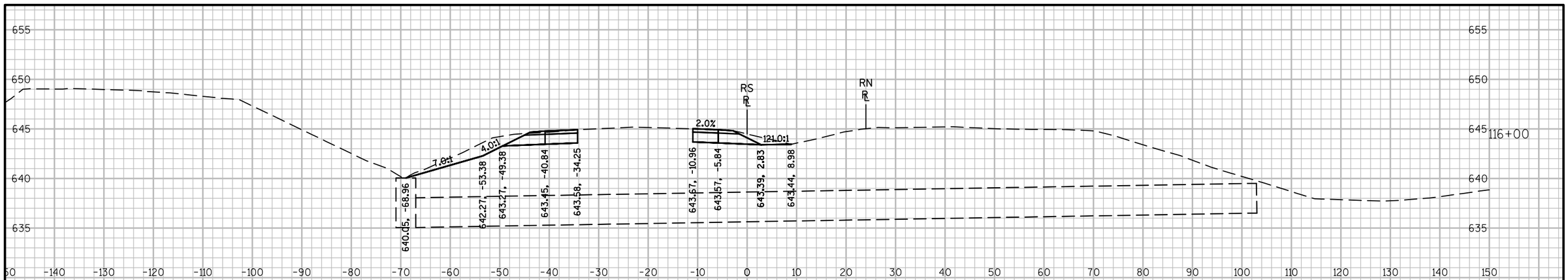
9

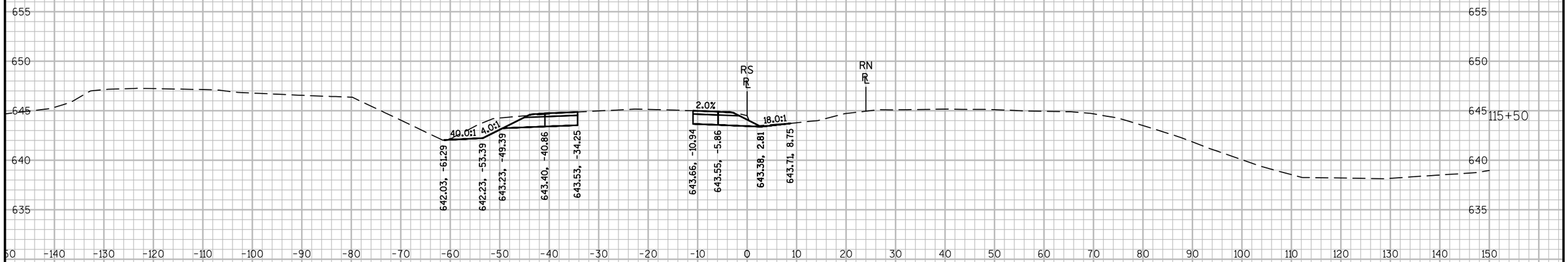
9

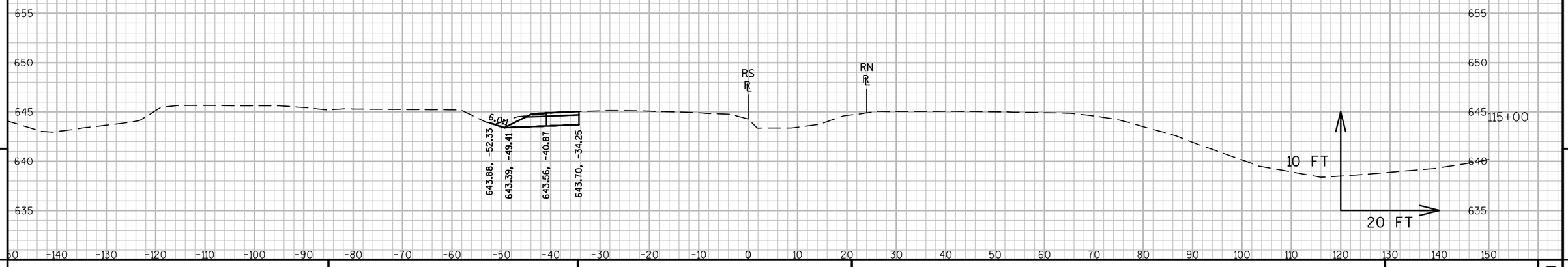
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1092	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090207_XSTR

PLOT DATE : 7/27/2016 1:17 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







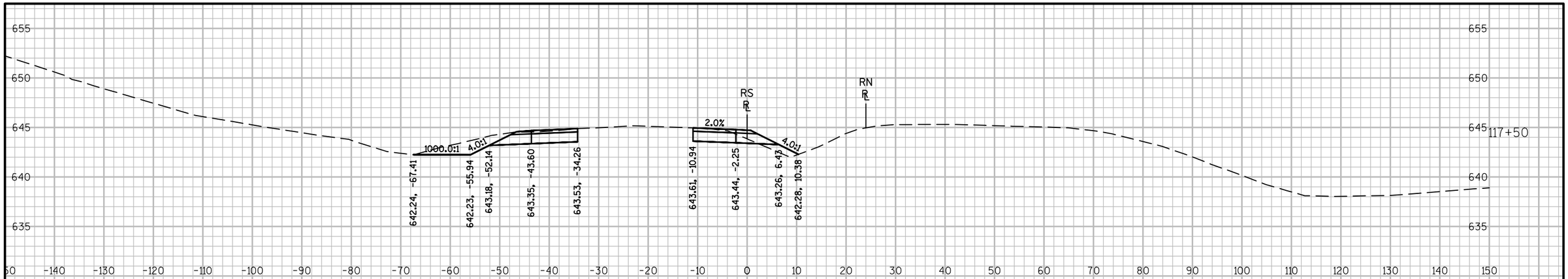
9

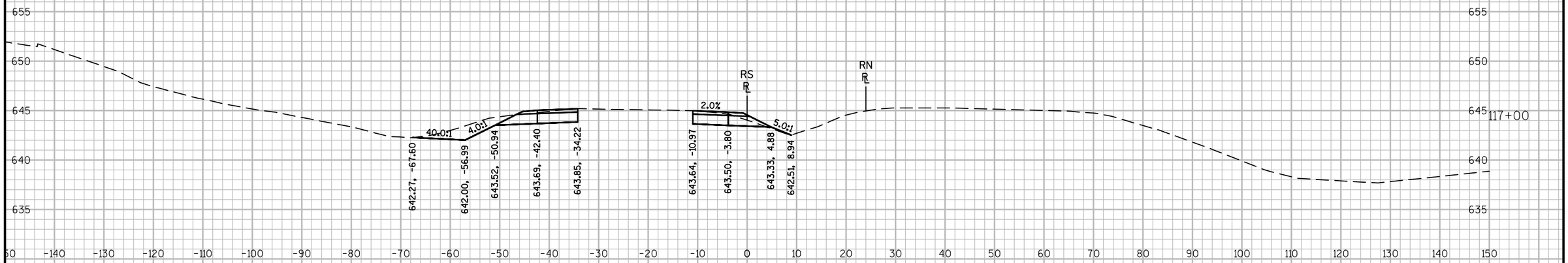
9

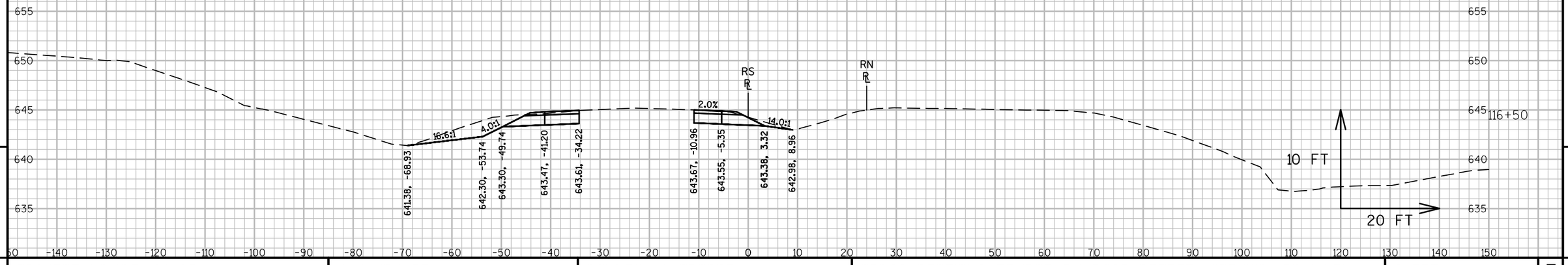
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1093	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090208_XSTR

PLOT DATE : 7/27/2016 1:17 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







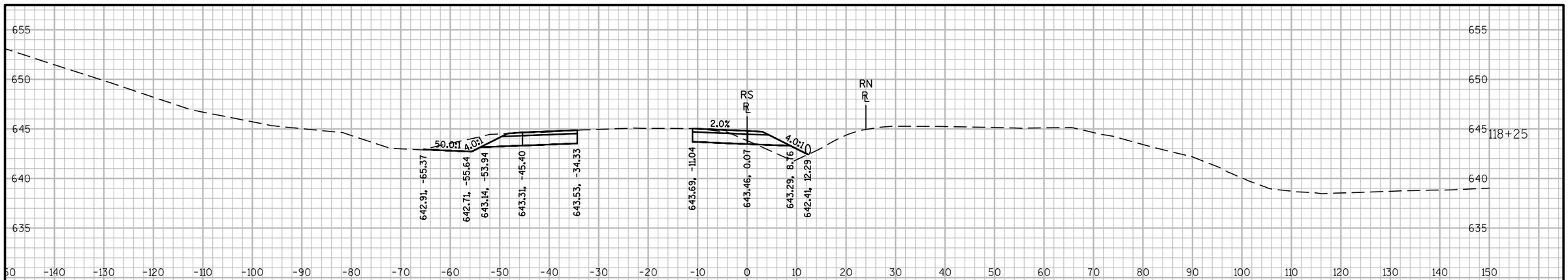
9

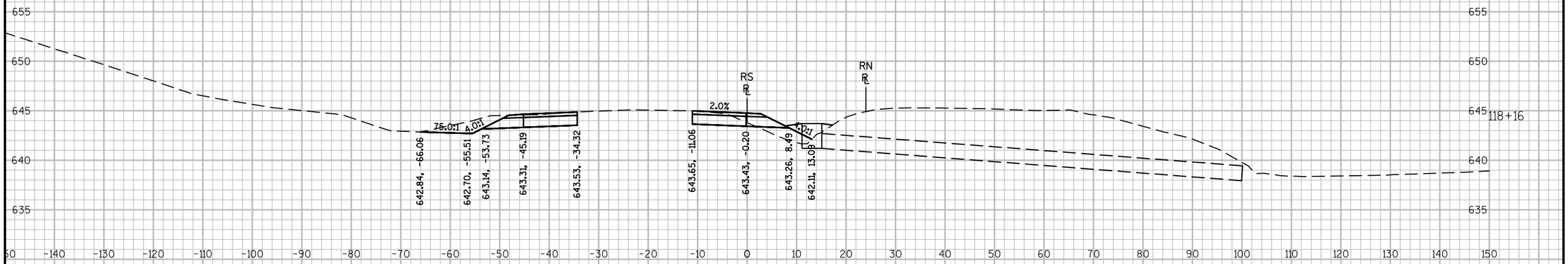
9

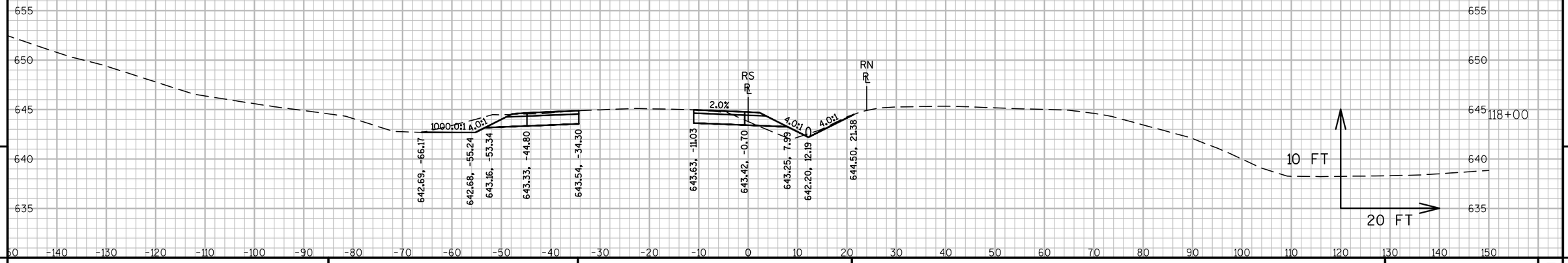
PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1094	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090209_XSTR

PLOT DATE : 7/27/2016 1:17 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







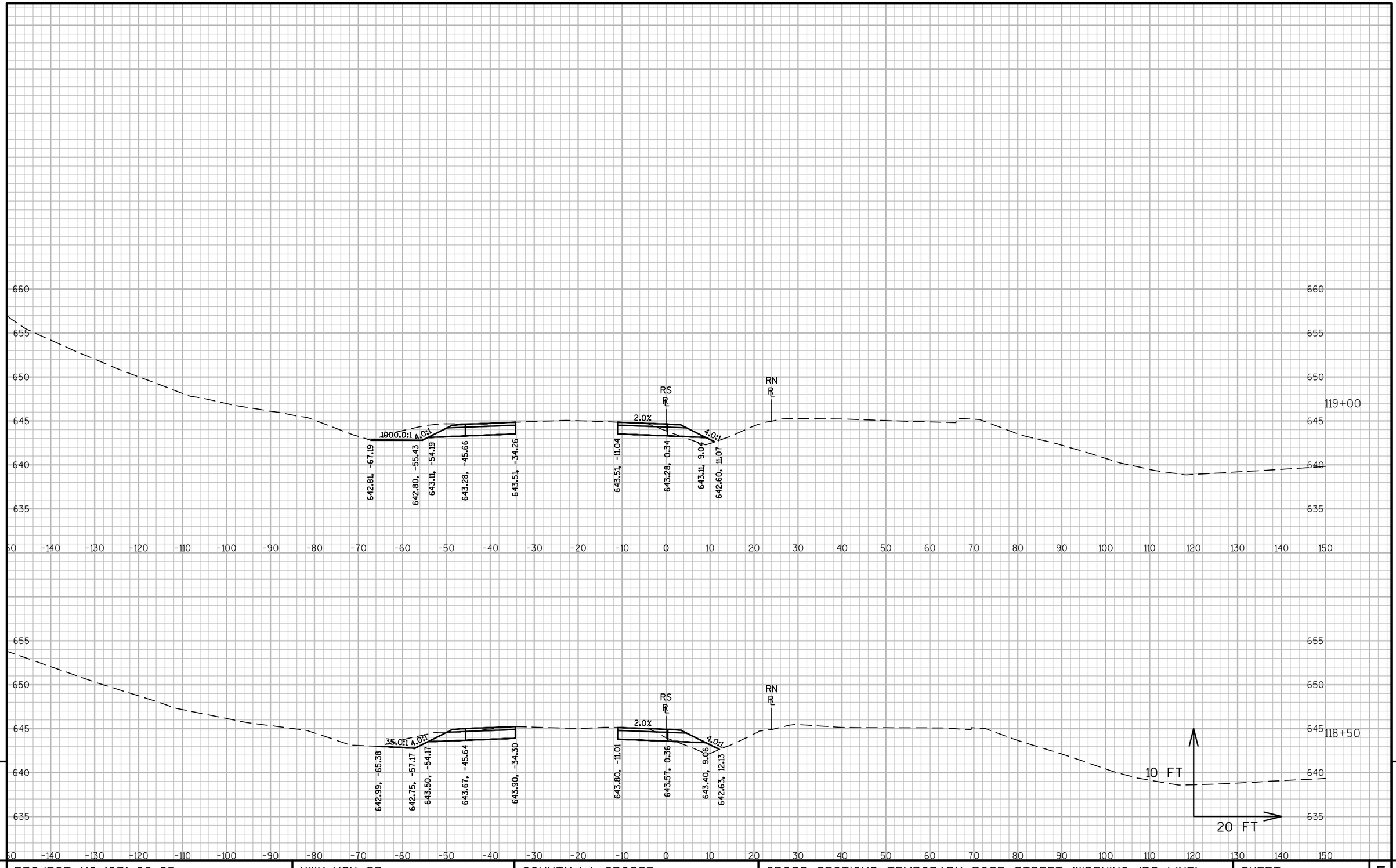
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1095	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090210_XSTR

PLOT DATE : 7/27/2016 1:17 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



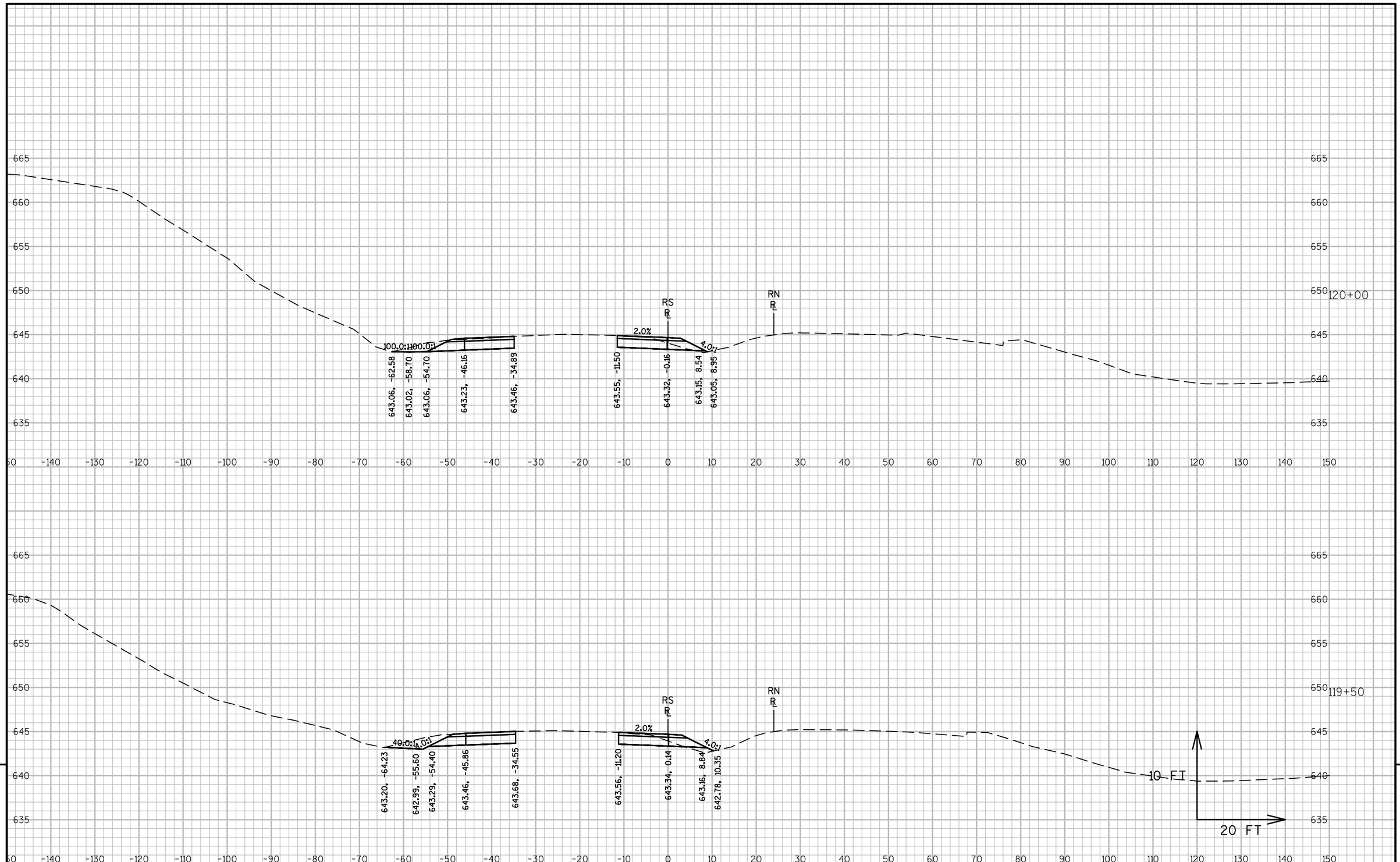
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1096	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090211_XSTR

PLOT DATE : 7/27/2016 1:18 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

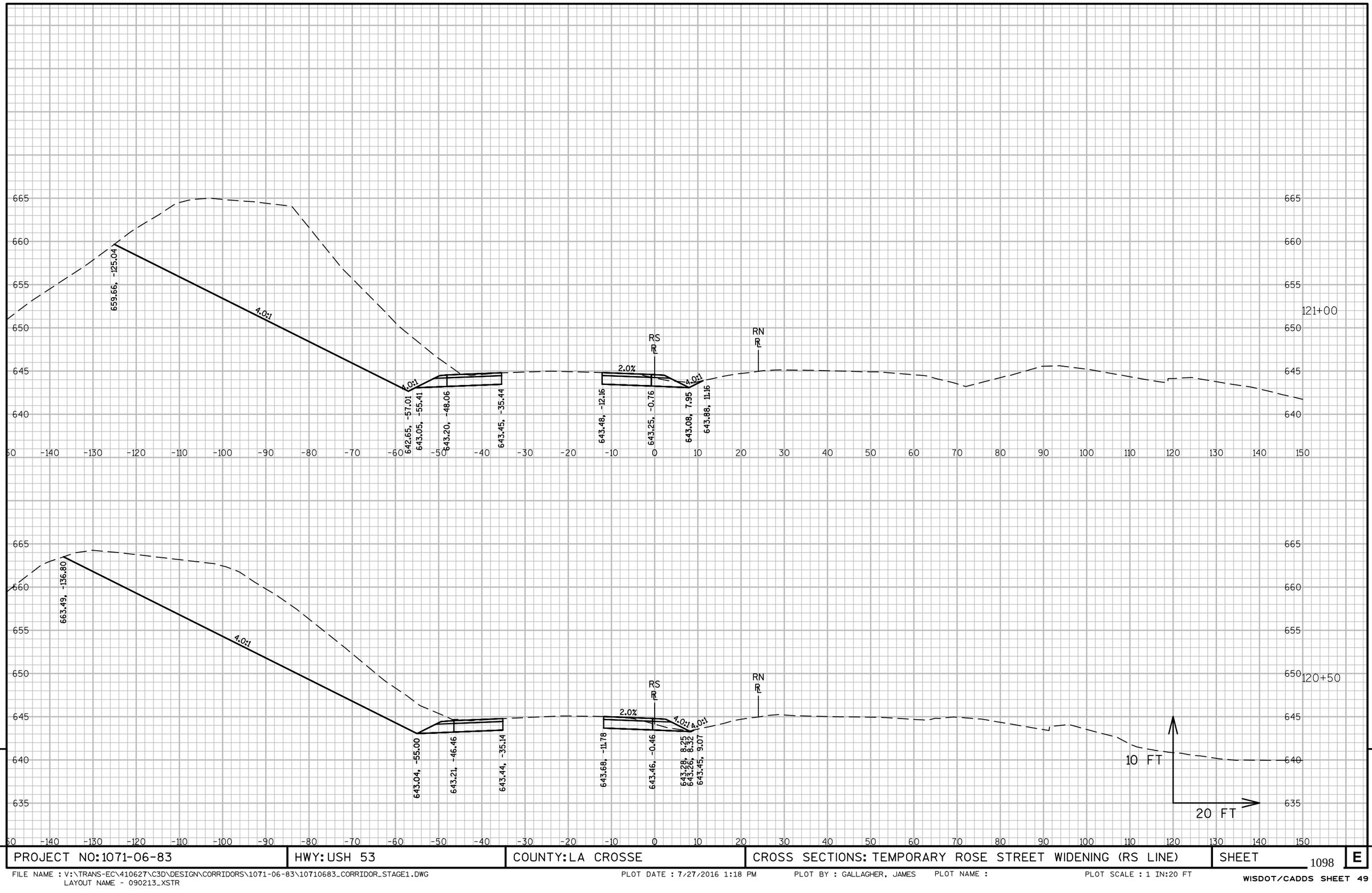


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1097 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090212_XSTR
PLOT DATE : 7/27/2016 1:18 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



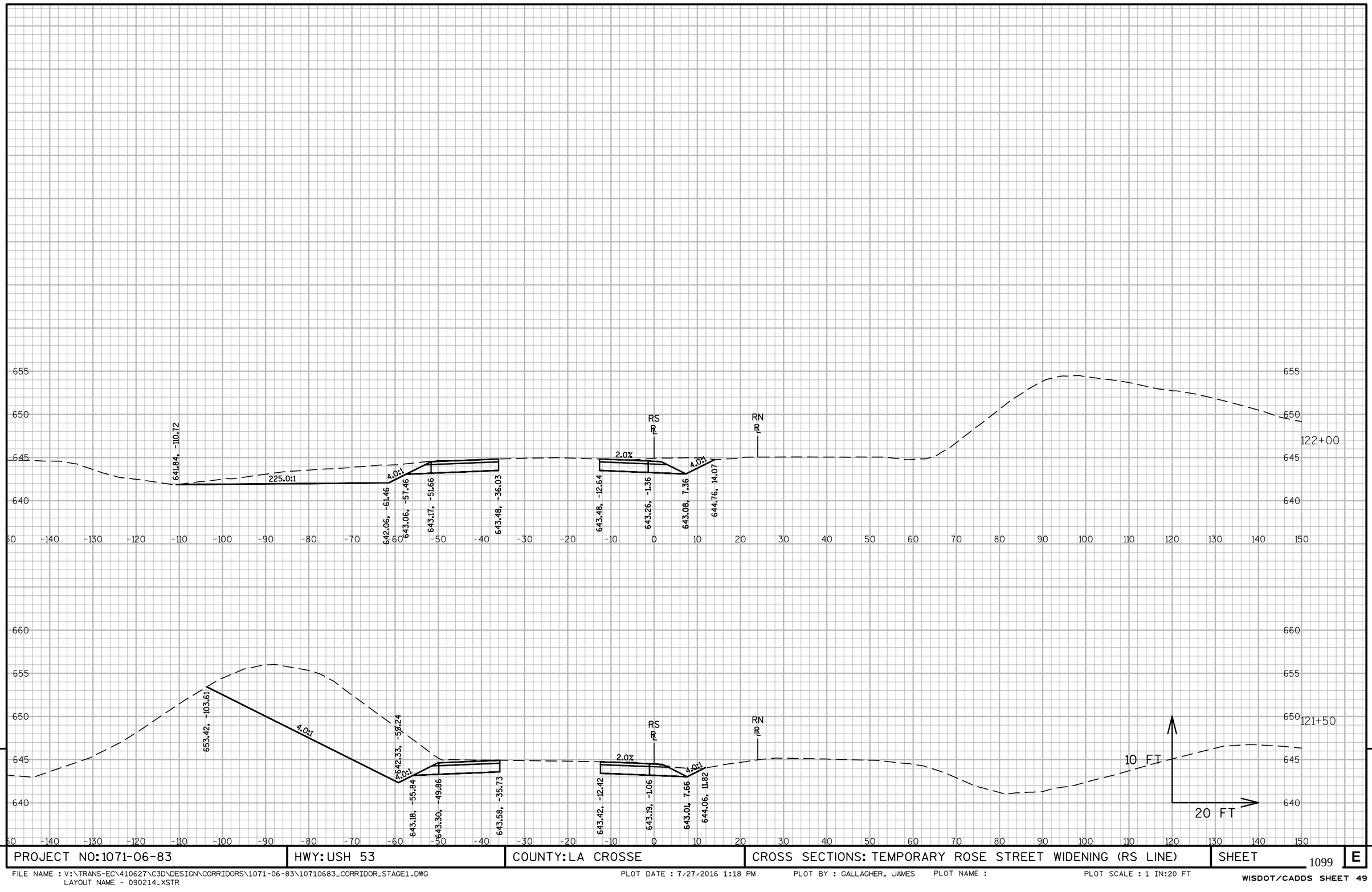
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1098	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090213_XSTR

PLOT DATE : 7/27/2016 1:18 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

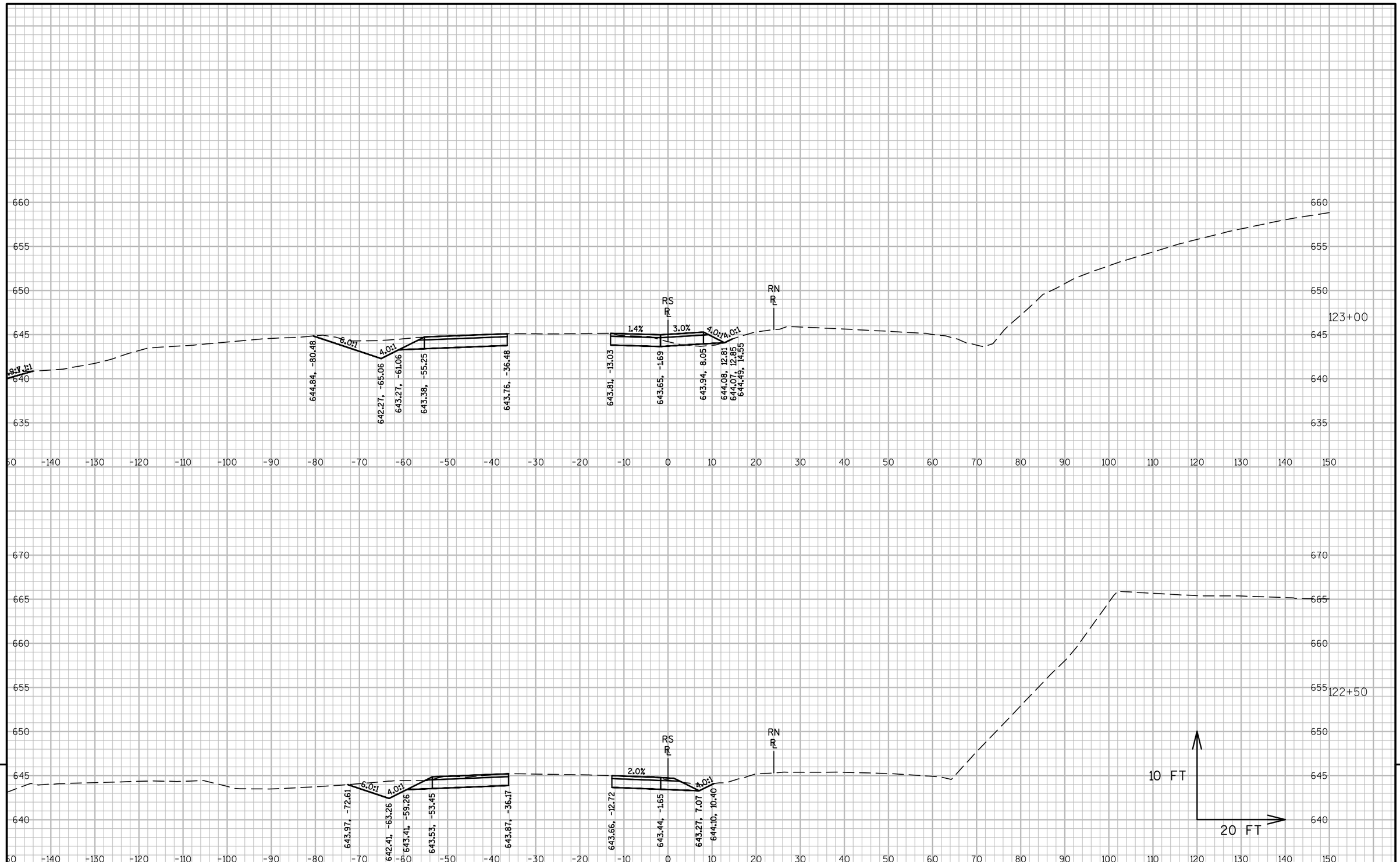


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1099	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090214_XSTR
PLOT DATE : 7/27/2016 1:18 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

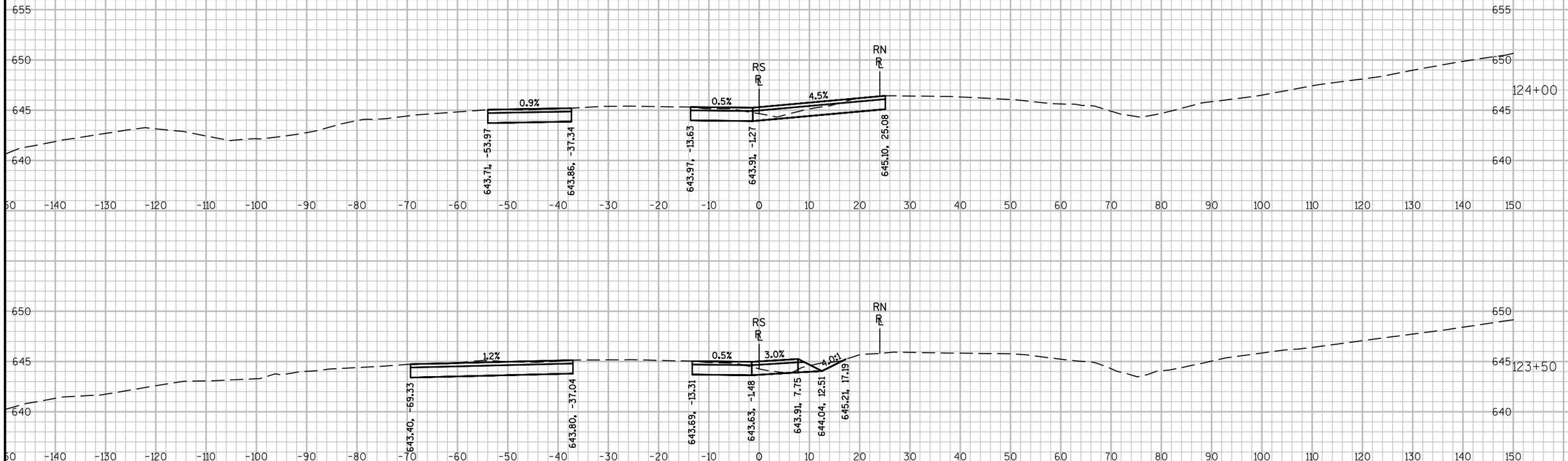


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1100	E

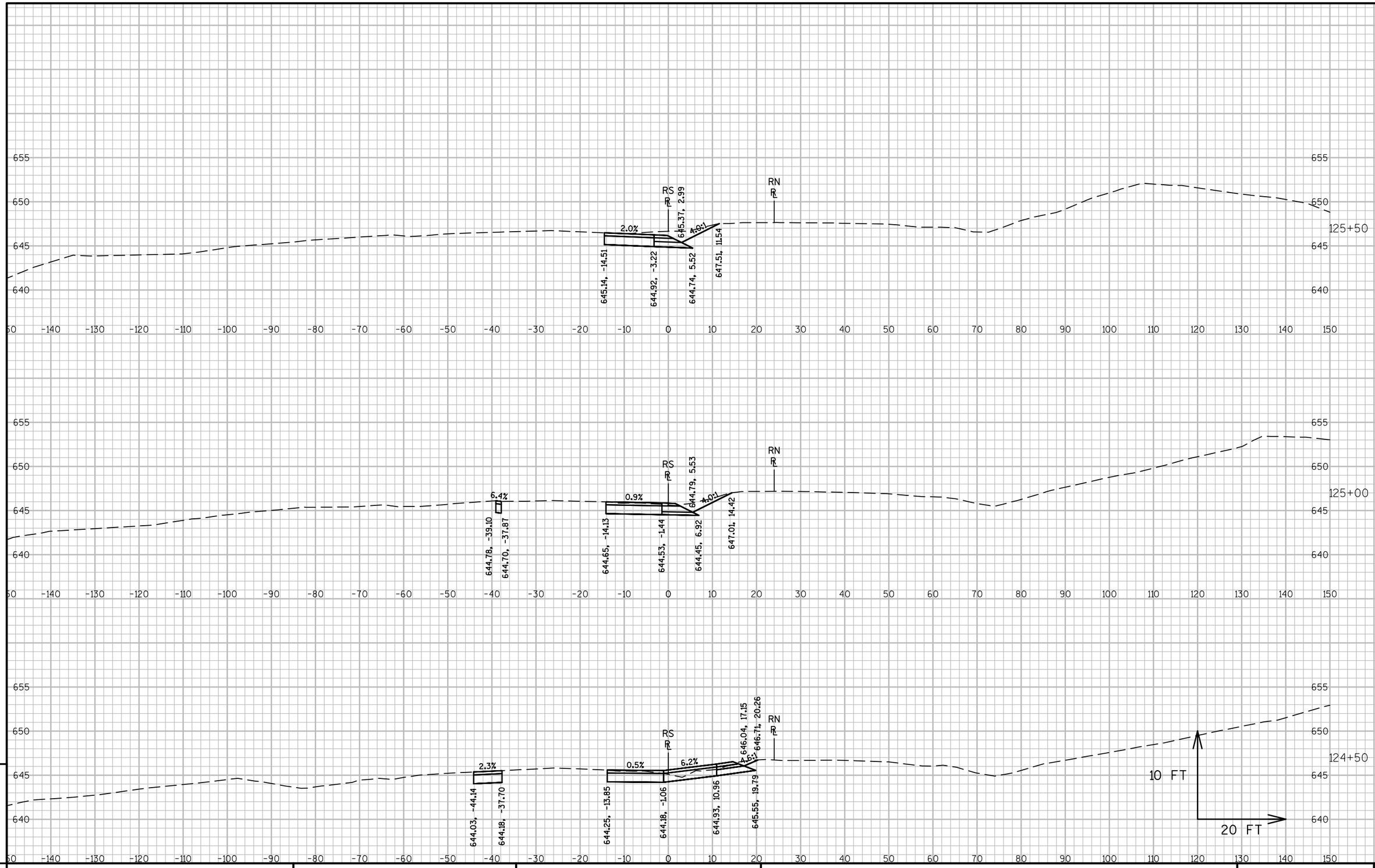
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090215_XSTR
PLOT DATE : 7/27/2016 1:18 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1101 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090216_XSTR

PLOT DATE : 7/27/2016 1:19 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

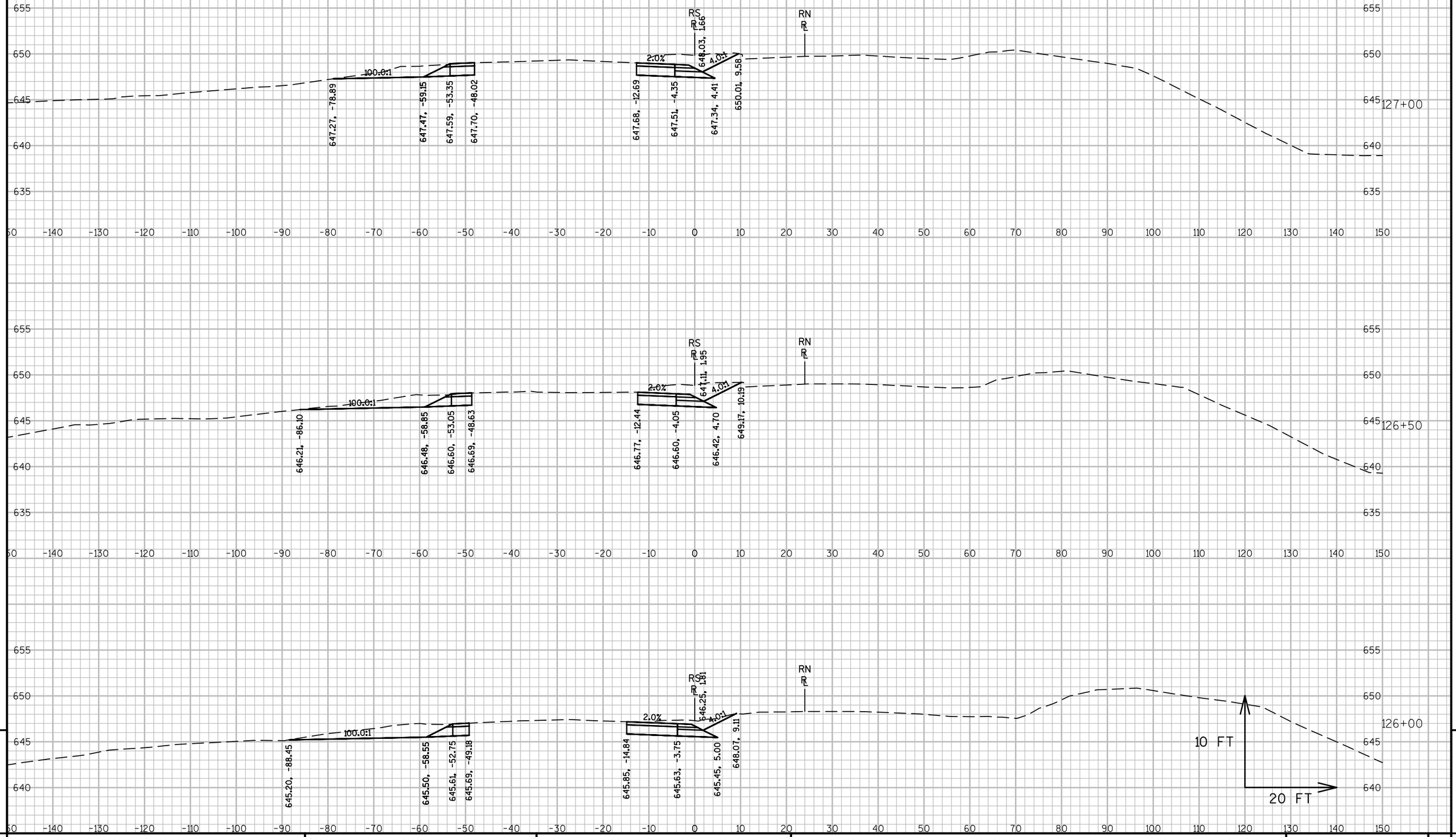
9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1102	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090217_XSTR

PLOT DATE : 7/27/2016 1:19 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

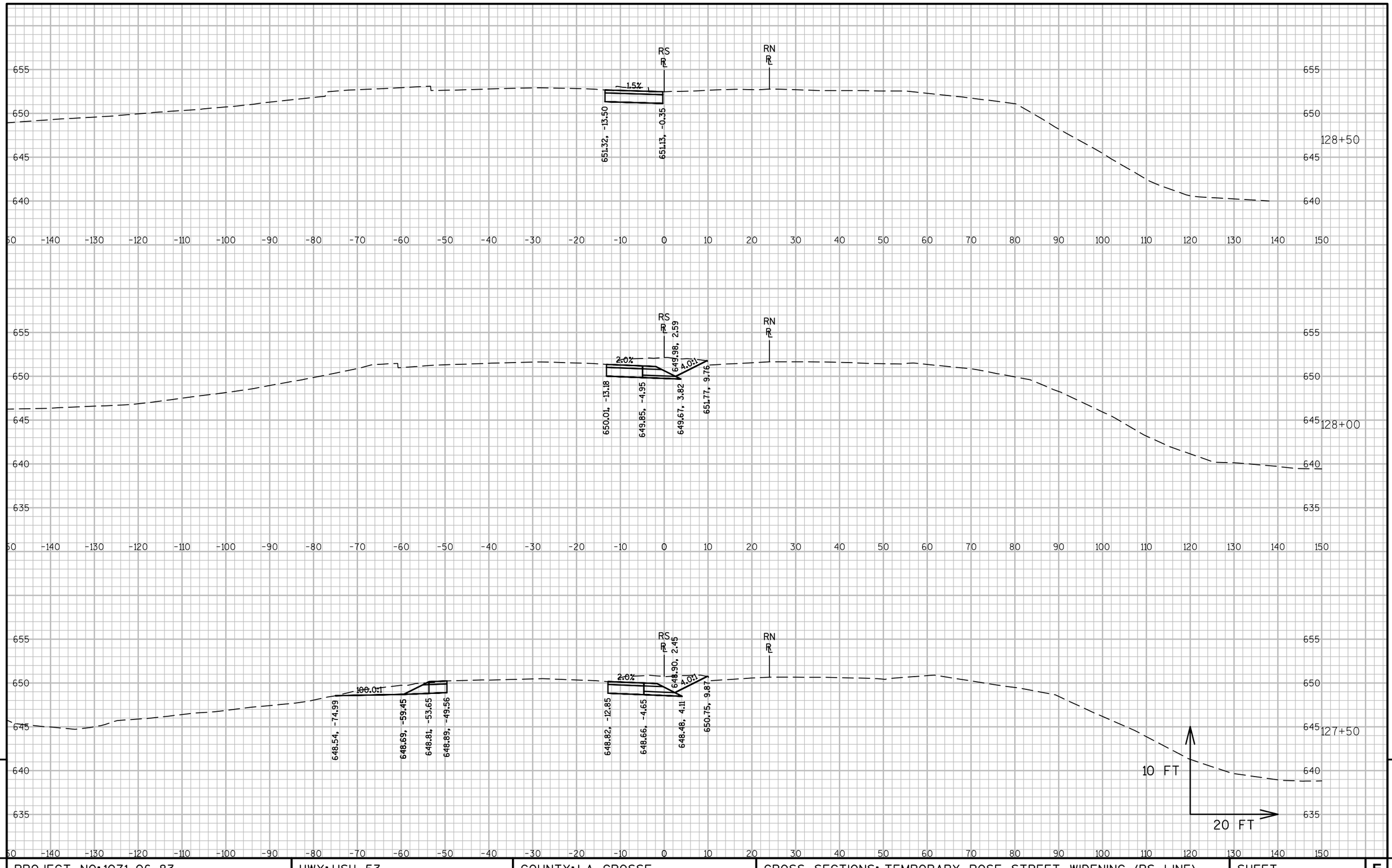


9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1103	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090218_XSTR
PLOT DATE : 7/27/2016 1:19 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

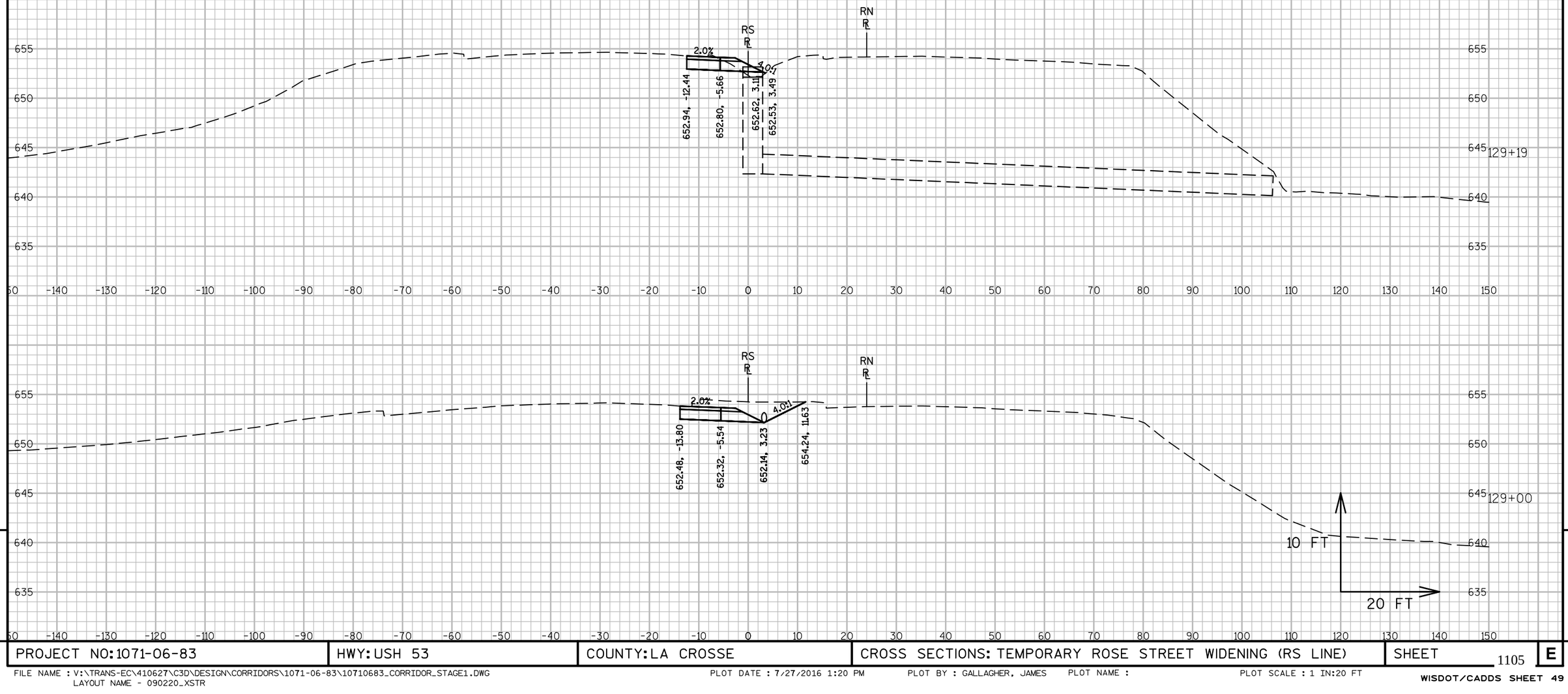


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1104 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090219_XSTR

PLOT DATE : 7/27/2016 1:19 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

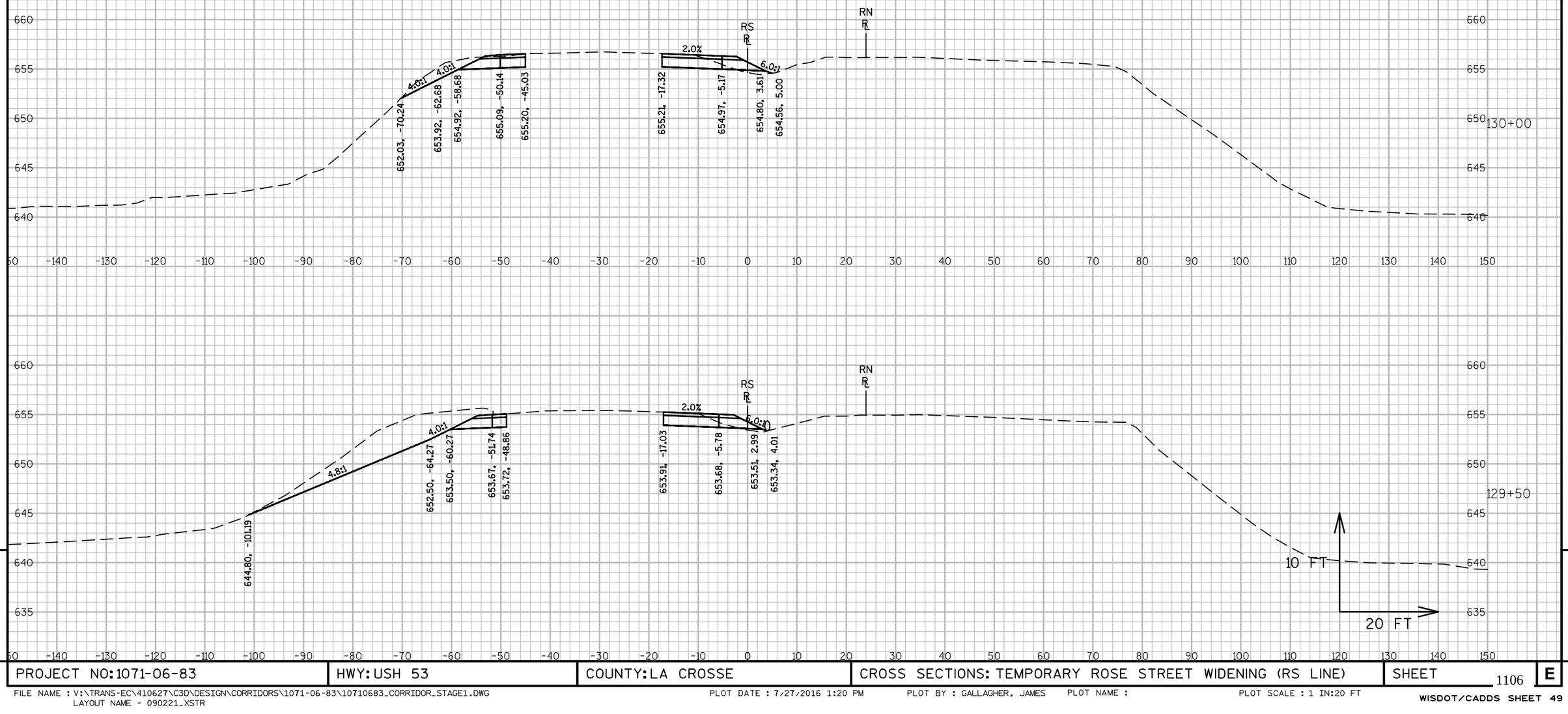


9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1105	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090220_XSTR
PLOT DATE : 7/27/2016 1:20 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

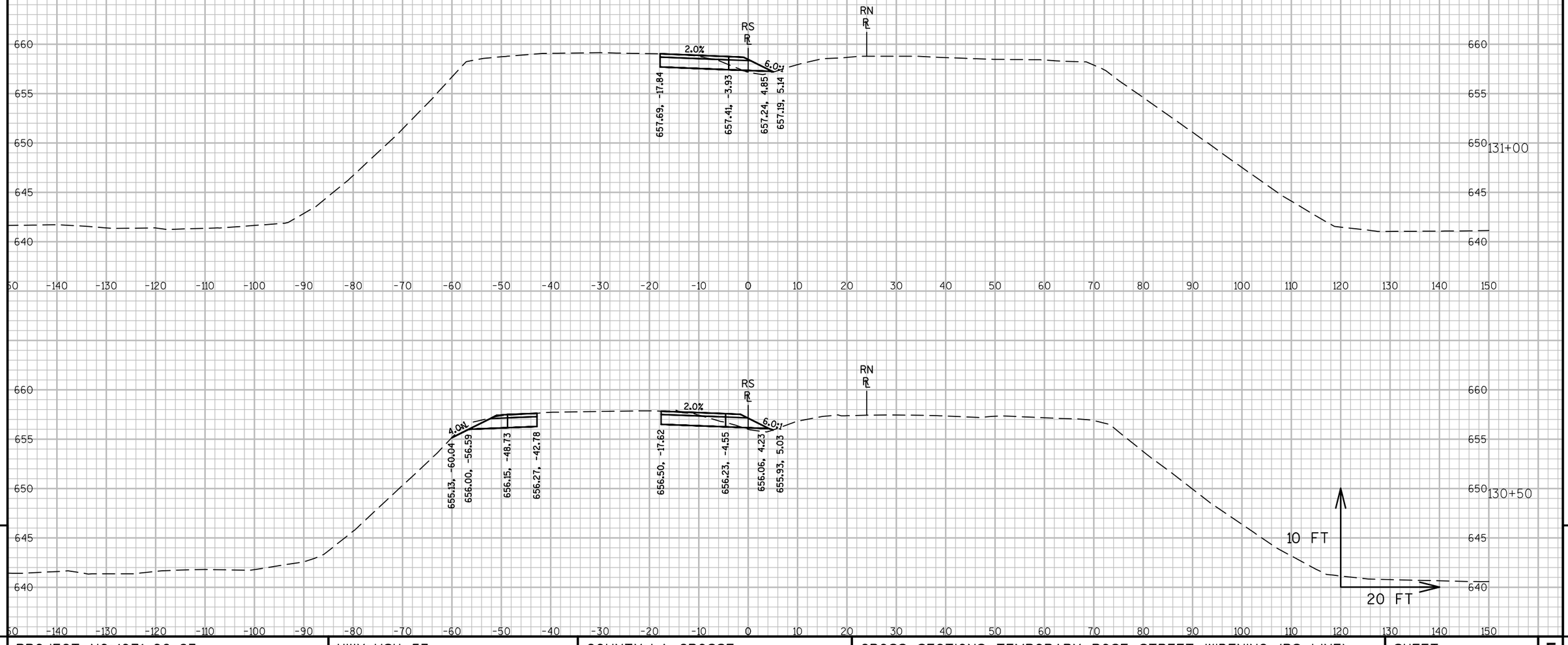


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1106	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090221_XSTR
PLOT DATE : 7/27/2016 1:20 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

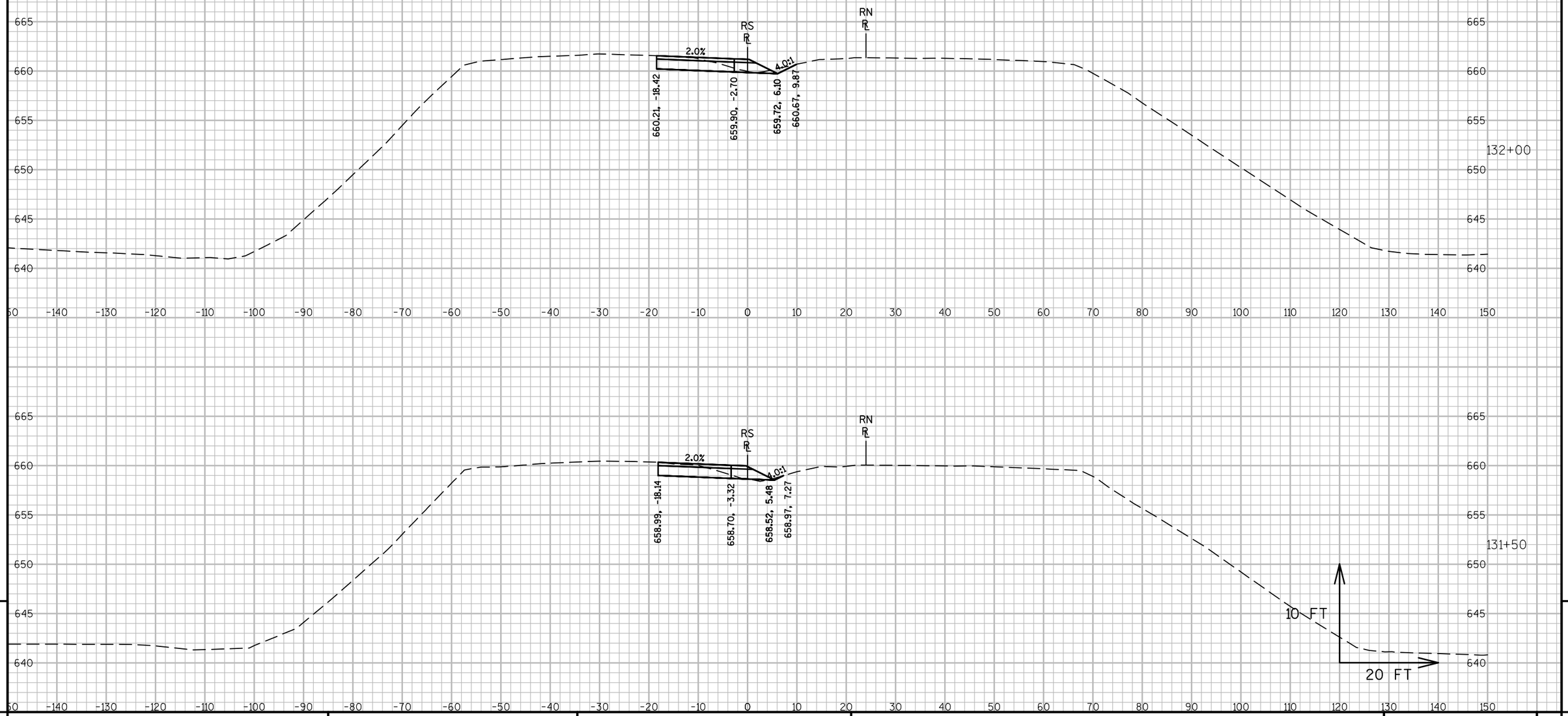


9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1107	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090222_XSTR
PLOT DATE : 7/27/2016 1:20 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

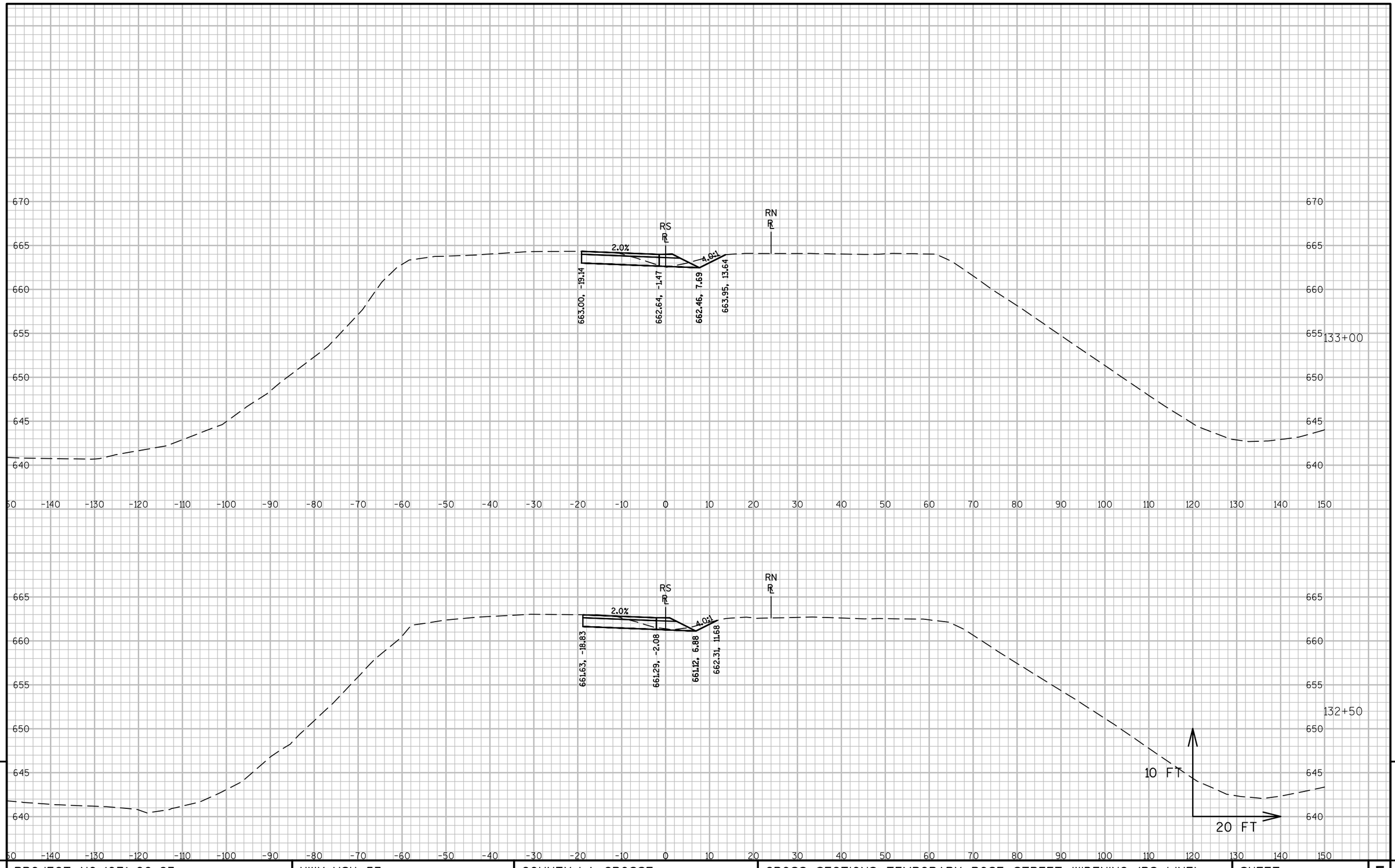


9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1108	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090223_XSTR
PLOT DATE : 7/27/2016 1:20 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



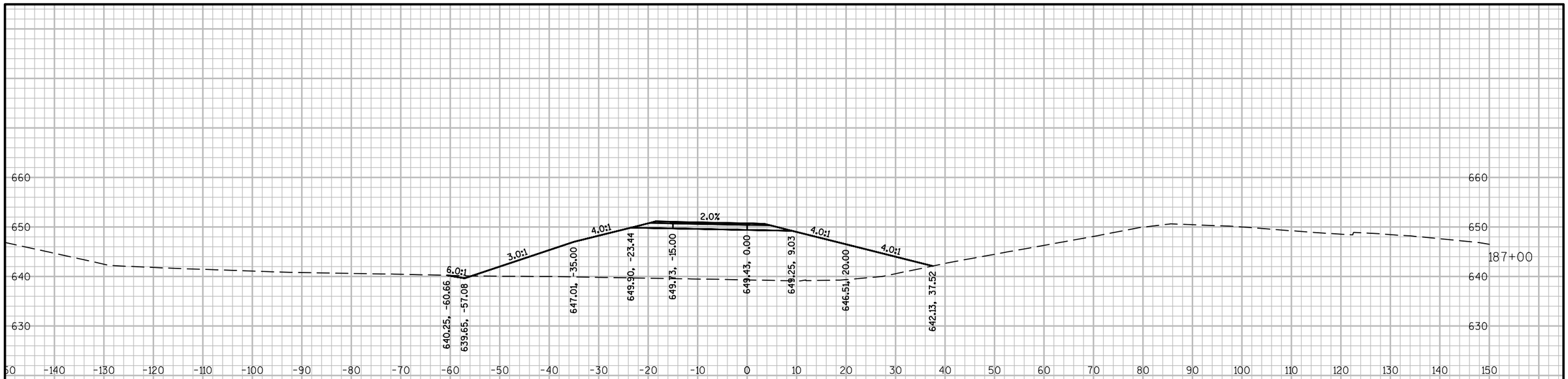
9

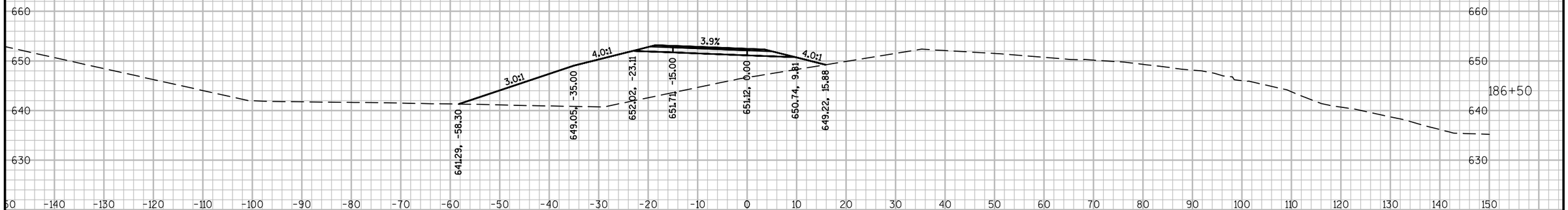
9

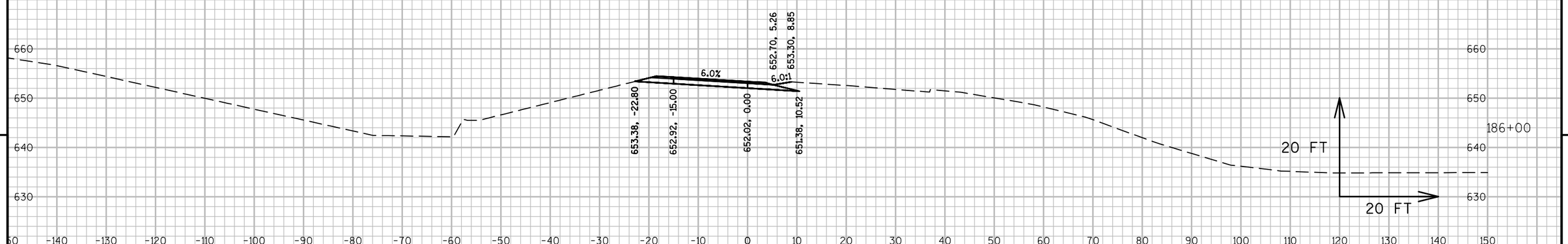
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY ROSE STREET WIDENING (RS LINE)	SHEET 1109	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090224_XSTR

PLOT DATE : 7/27/2016 1:21 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







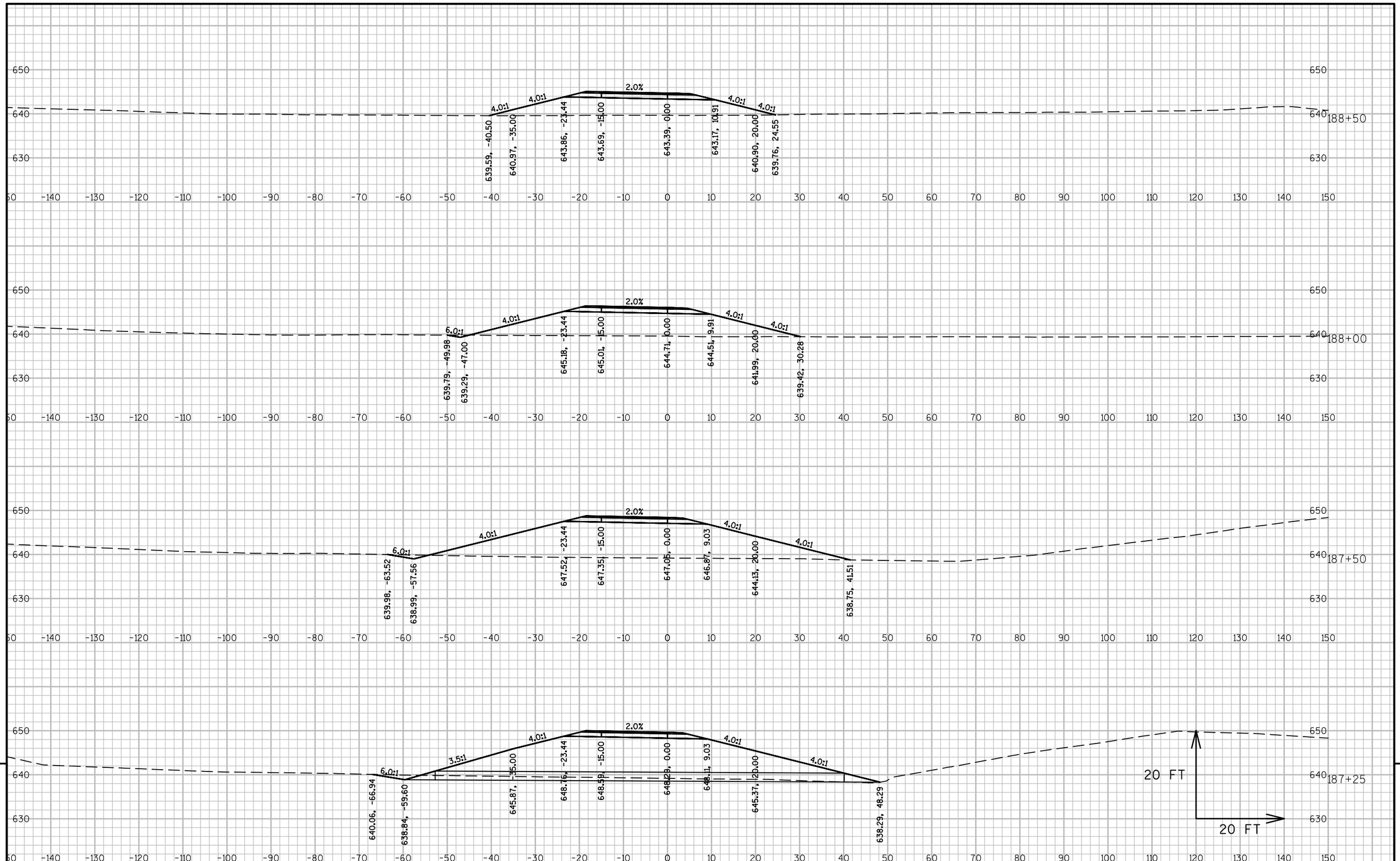
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY EW	SHEET 1110	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090201_XSEW

PLOT DATE : 7/27/2016 1:21 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

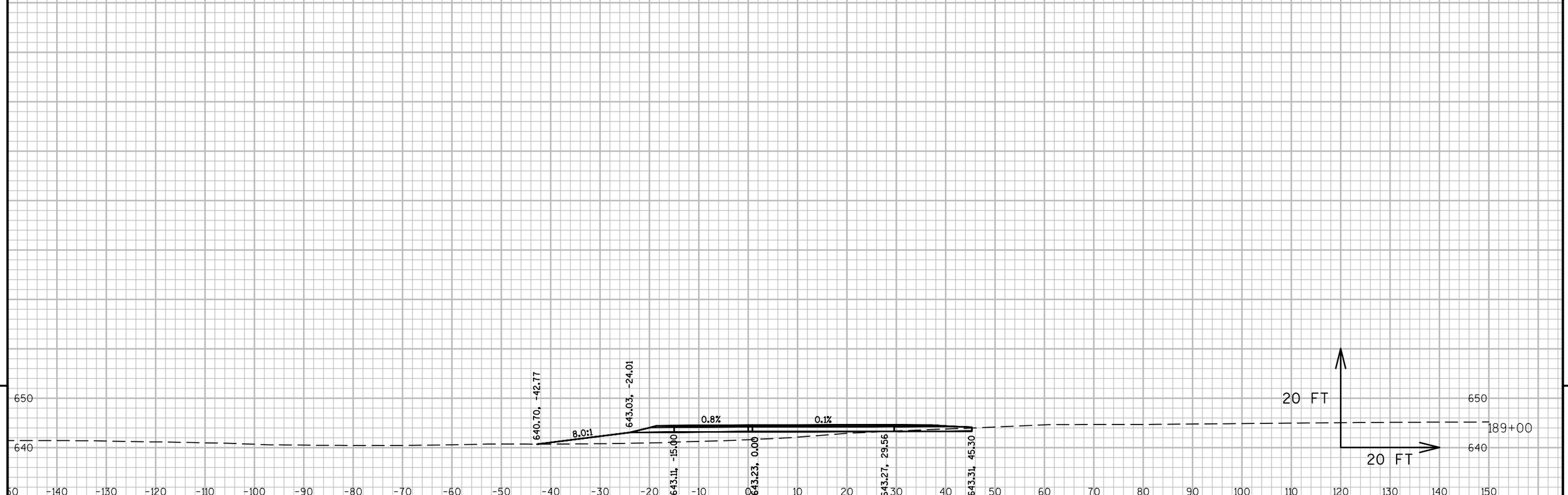


9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY EW	SHEET 1111	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090202_XSEW
PLOT DATE : 7/27/2016 1:21 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



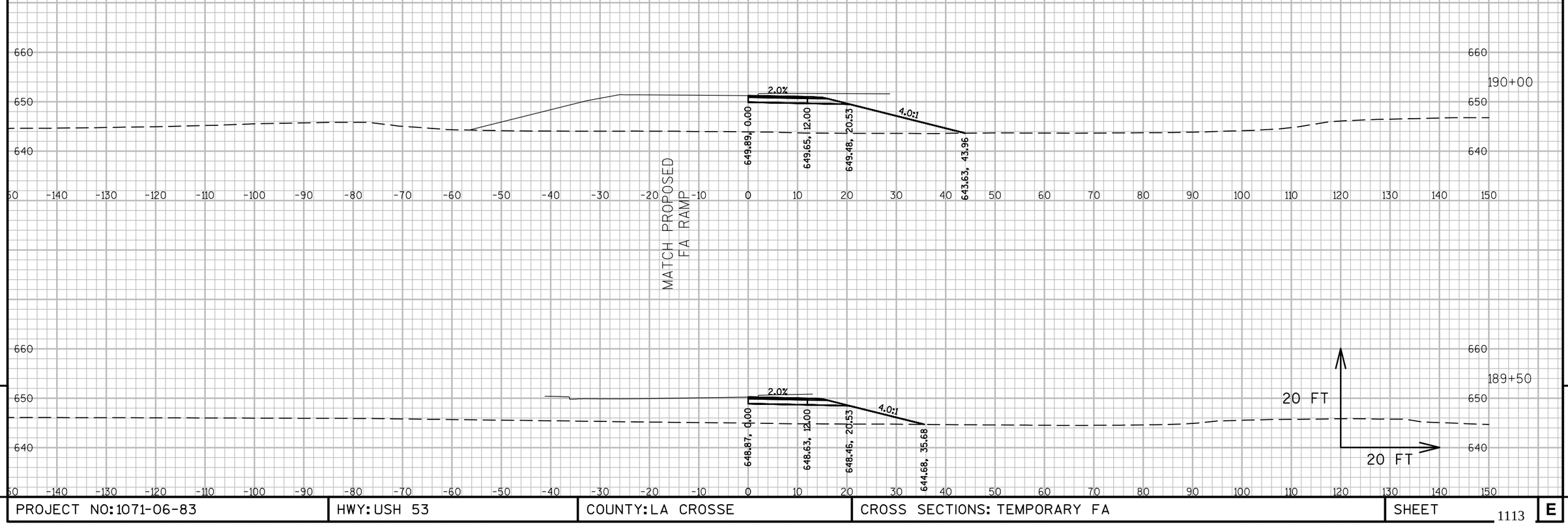
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY EW	SHEET 1112	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090203_XSEW

PLOT DATE : 7/27/2016 1:21 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FA	SHEET 1113	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPFARAMP.DWG
LAYOUT NAME - 090201_XSTF

PLOT DATE : 7/27/2016 11:05 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

105+00

MATCH EXISTING F RAMP PAVEMENT

2.0%

4.0:1

647.25, -14.95

647.55, 0.00

647.72, 8.43

647.58, 9.01

104+50

2.0%

4.0:1

645.85, -26.99

646.39, 0.00

646.55, 8.43

645.17, 13.96

104+00

645.23, -34.42

644.97, -32.82

6.0:1

2.0%

4.0:1

6.0:1

642.51, 21.33

644.56, -34.45

644.74, -25.65

645.25, 0.00

645.44, 9.60

643.46, 27.04

103+72

643.00, -40.86

6.0:1

4.0:1

2.0%

4.0:1

Horizontal

642.67, 41.44

645.73, -57.23

644.17, -36.17

644.35, -27.38

644.90, 0.00

645.14, 12.21

641.50, 26.78

641.50, 31.78

641.50, 36.78

103+50

645.73, -48.10

644.06, -38.12

6.0:1

2.0%

4.0:1

6.0:1

644.26, 29.15

644.24, -29.32

644.83, 0.00

645.11, 14.25

643.11, 22.25

20 FT

20 FT

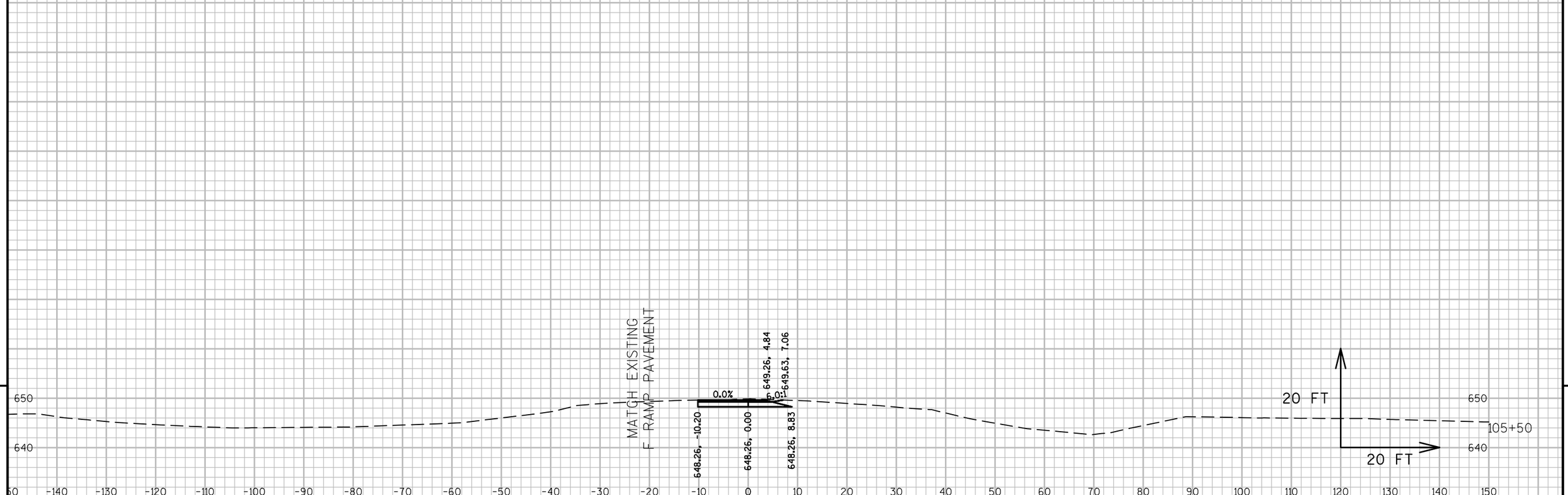
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY FY	SHEET 1114	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090201_XSFY

PLOT DATE : 7/27/2016 1:21 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



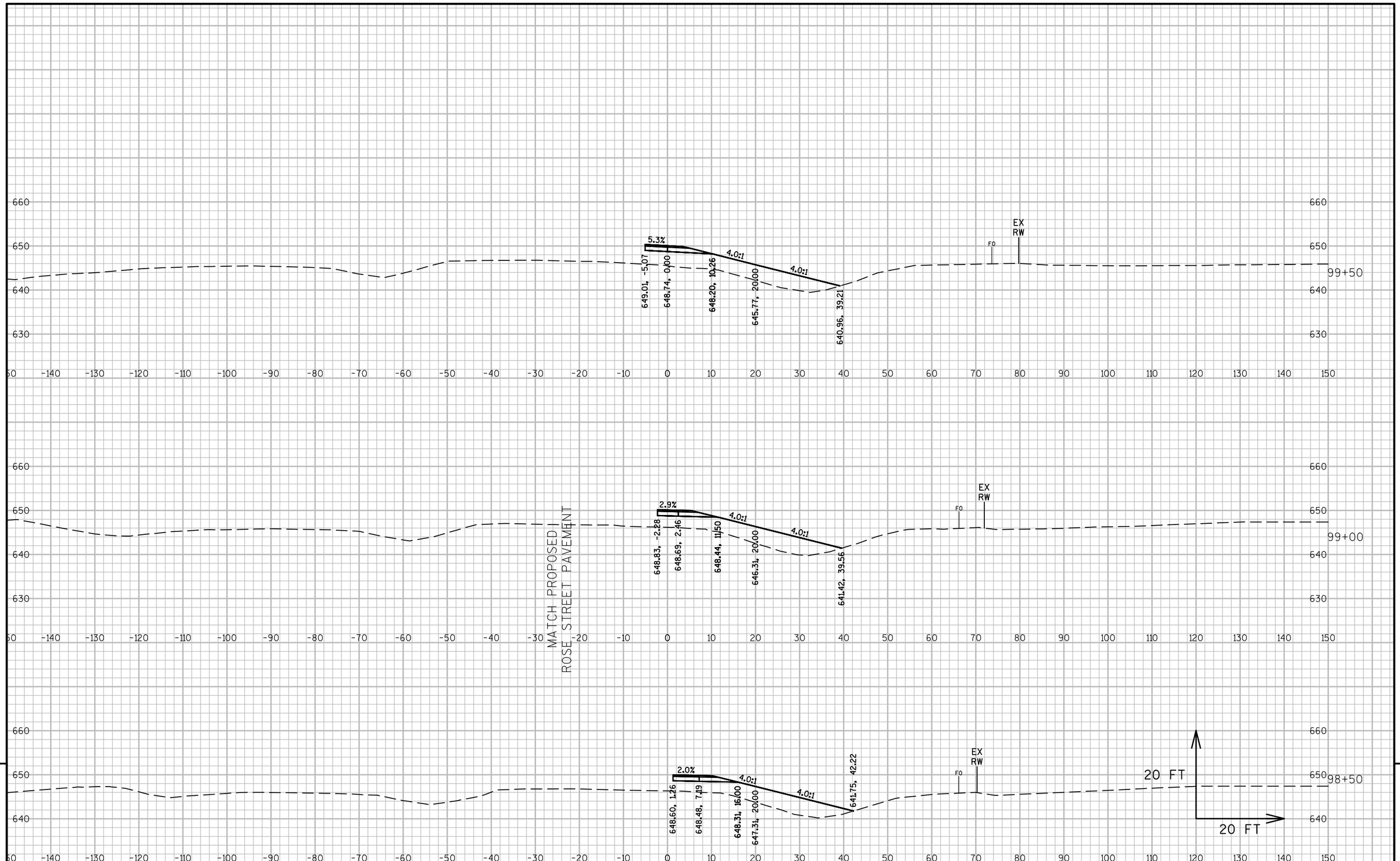
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FY	SHEET 1115	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090202_XSFY

PLOT DATE : 7/27/2016 1:22 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



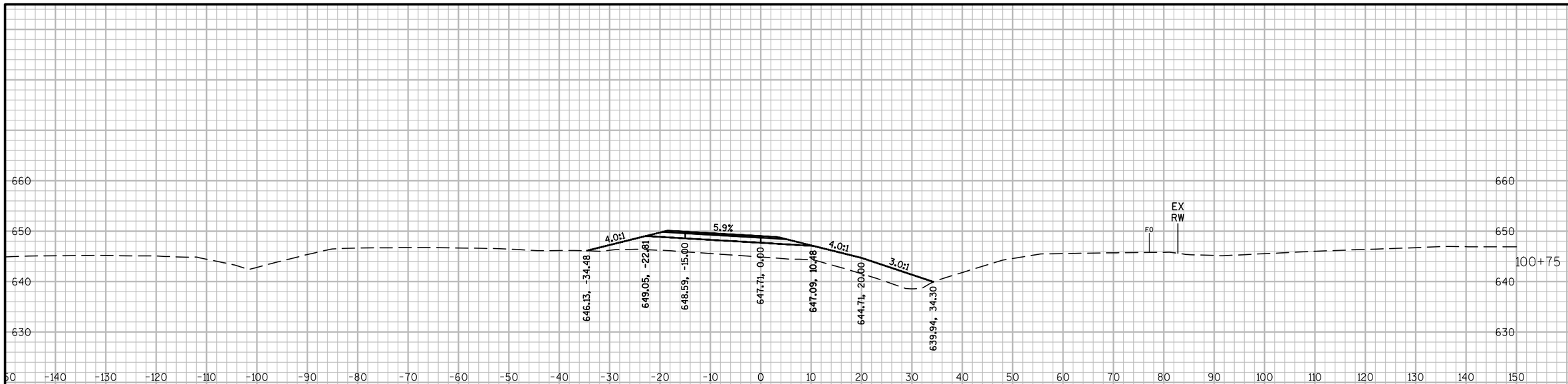
9

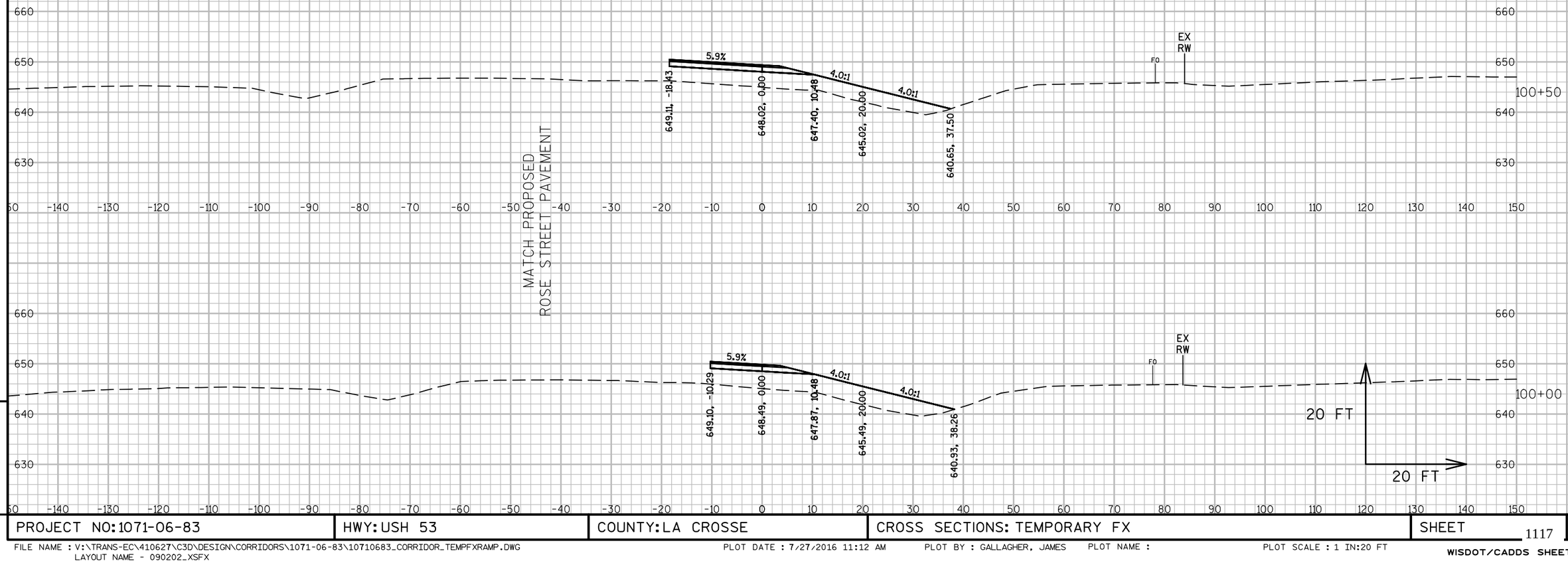
9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FX	SHEET 1116	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPFXRAMP.DWG
LAYOUT NAME - 090201_XSFX

PLOT DATE : 7/27/2016 11:12 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT





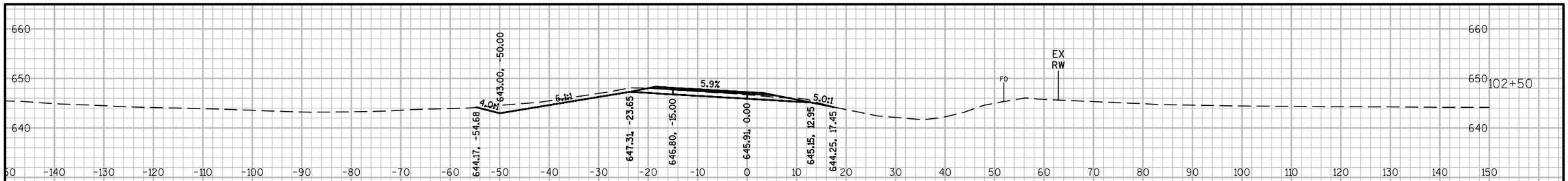
9

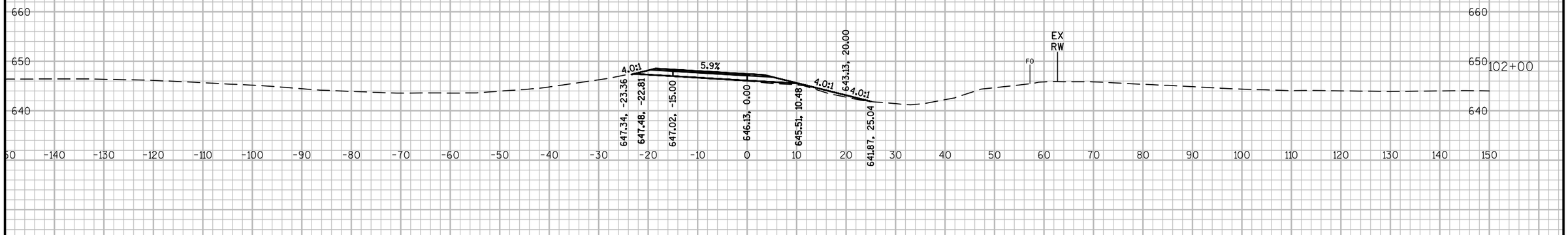
9

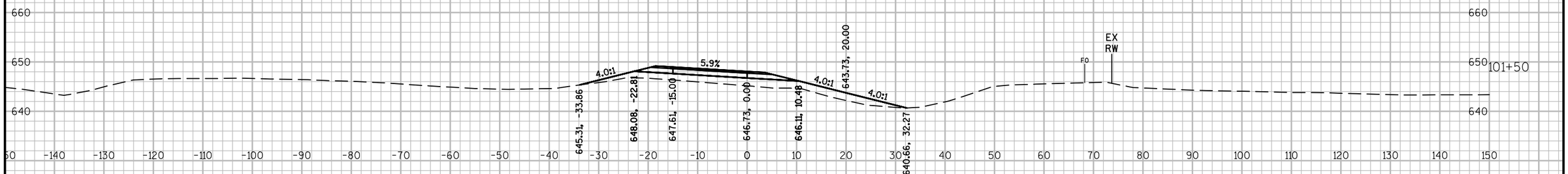
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FX	SHEET 1117	E

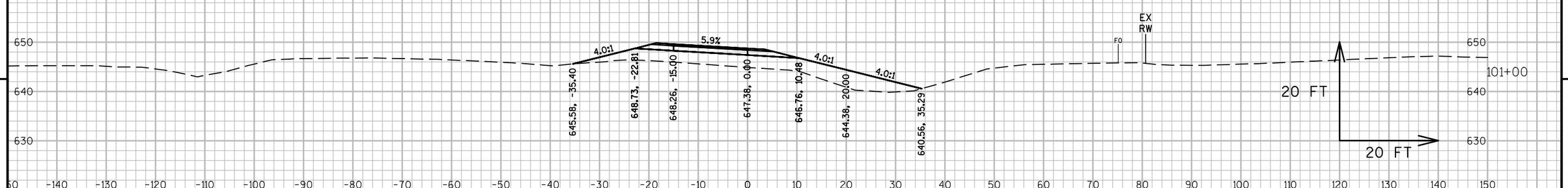
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPFXRAMP.DWG
LAYOUT NAME - 090202_XSFX

PLOT DATE : 7/27/2016 11:12 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT









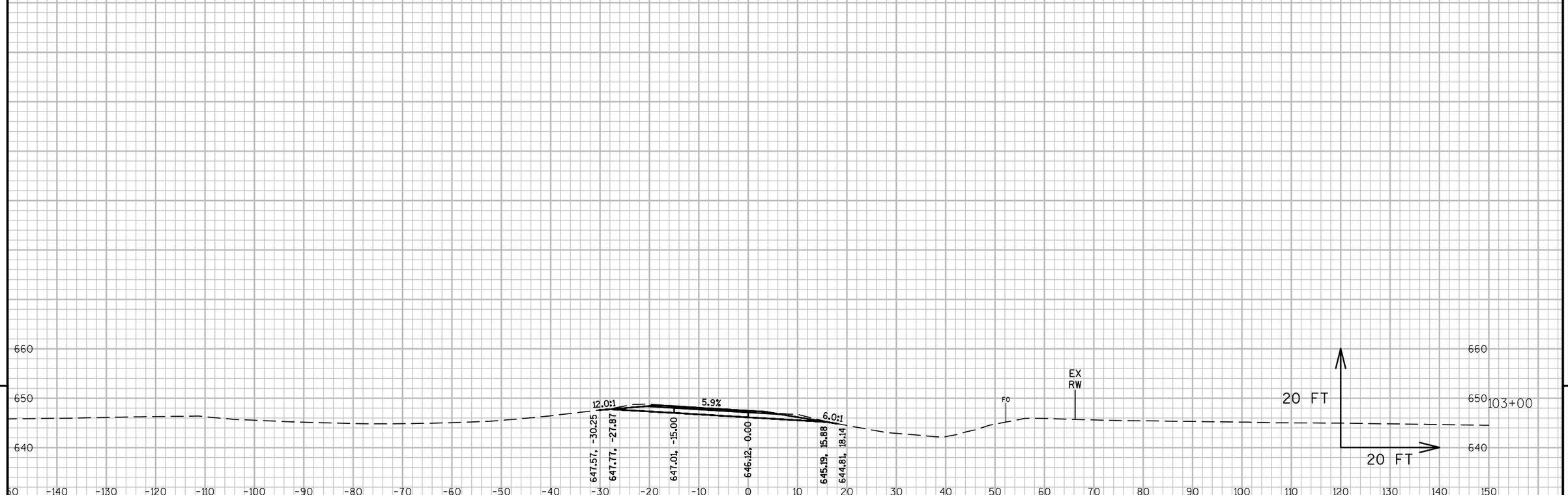
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FX	SHEET 1118	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPFXRAMP.DWG
LAYOUT NAME - 090203_XSFX

PLOT DATE : 7/27/2016 11:12 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



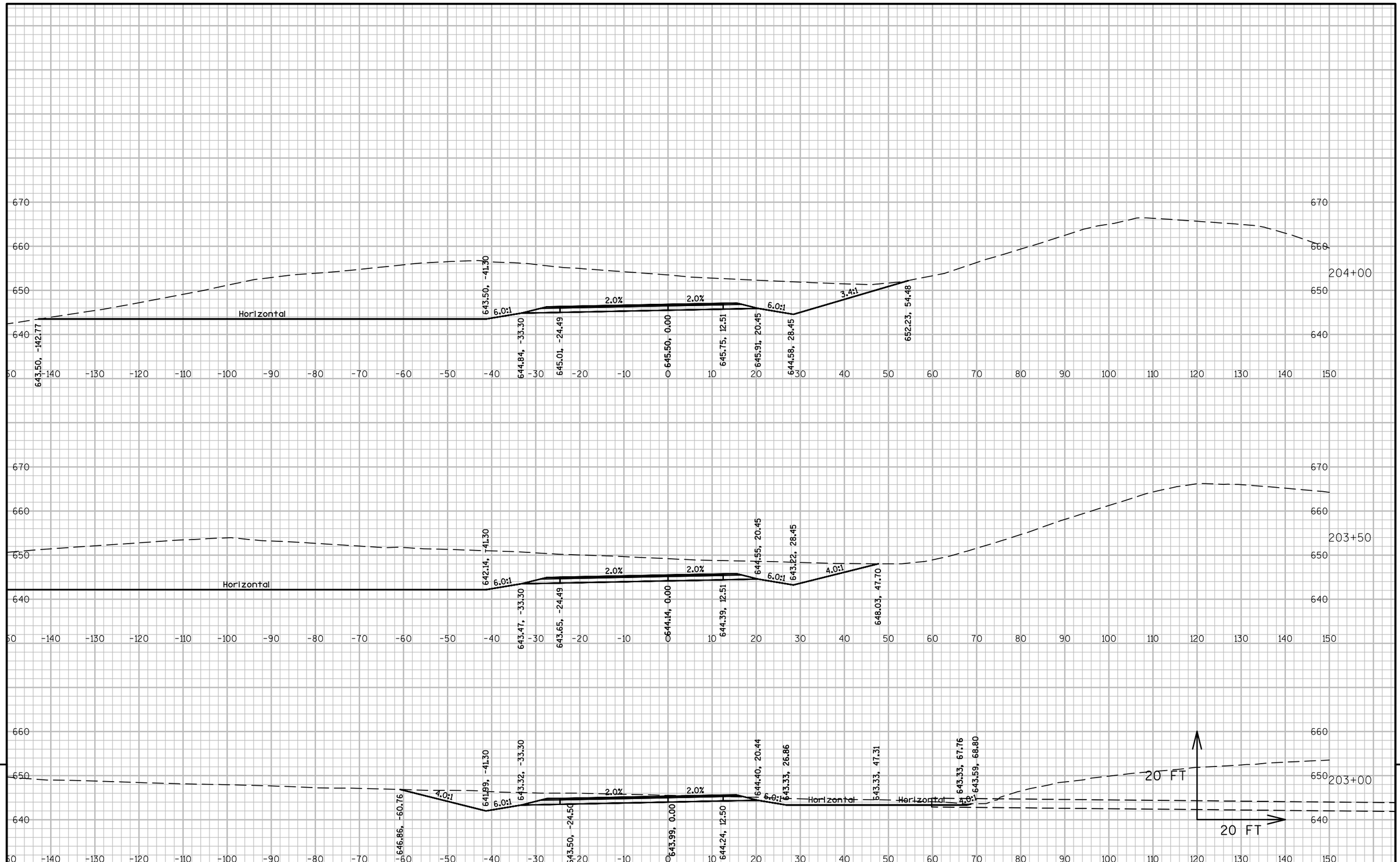
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY FX	SHEET 1119	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPFXRAMP.DWG
LAYOUT NAME - 090204_XSFX

PLOT DATE : 7/27/2016 11:13 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



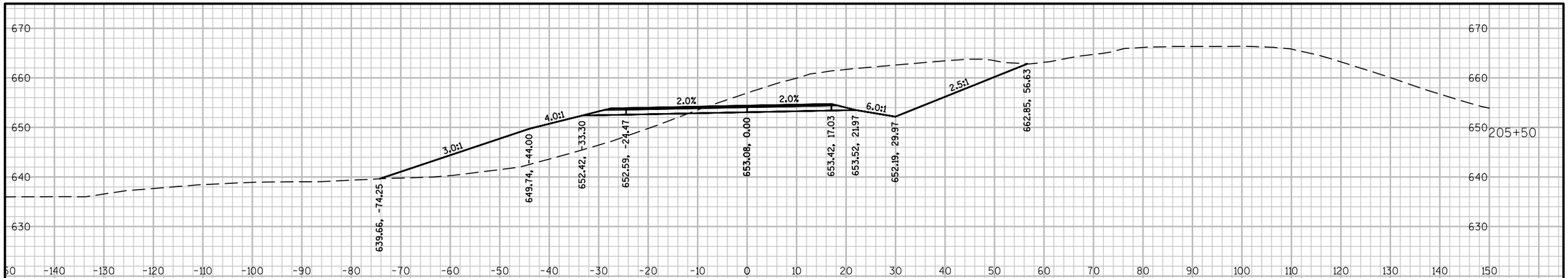
9 9

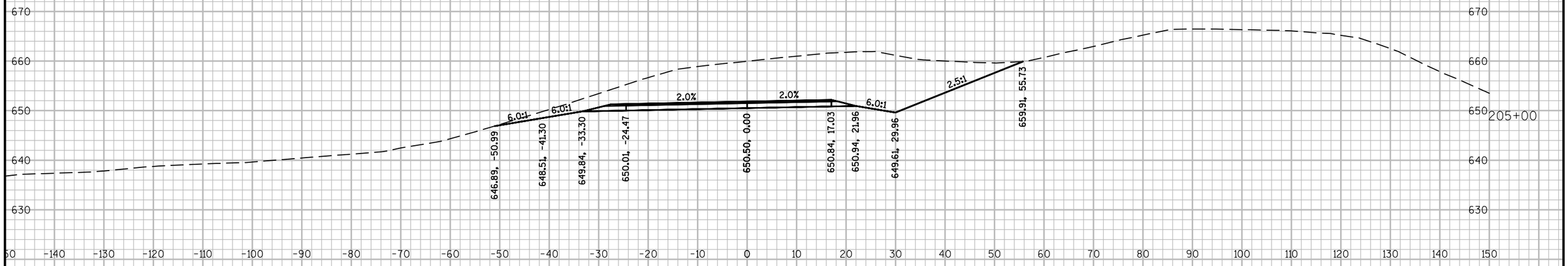
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1120 E

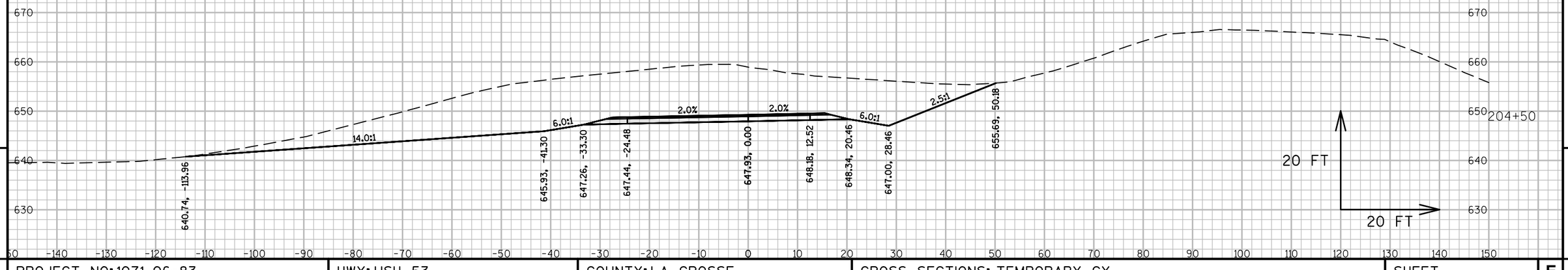
FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090201_XSGY

PLOT DATE : 7/27/2016 1:22 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



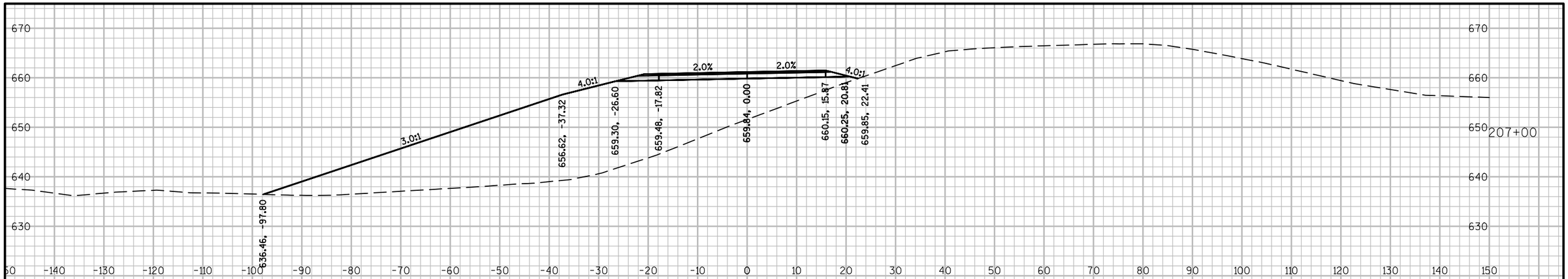


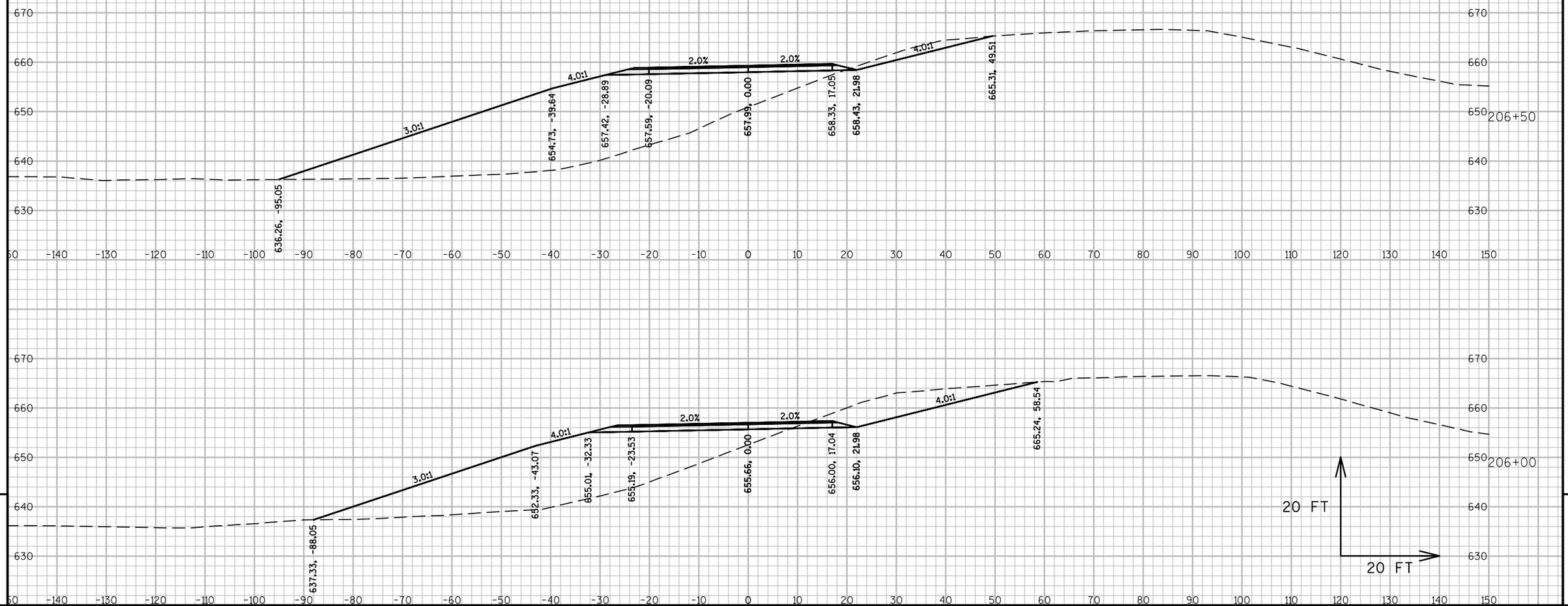


PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1121 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090202_XSGY

PLOT DATE : 7/27/2016 1:22 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT





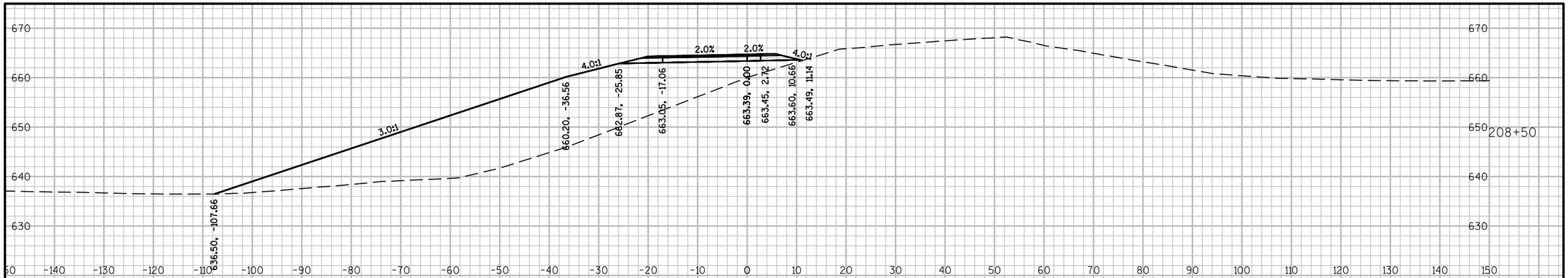
9

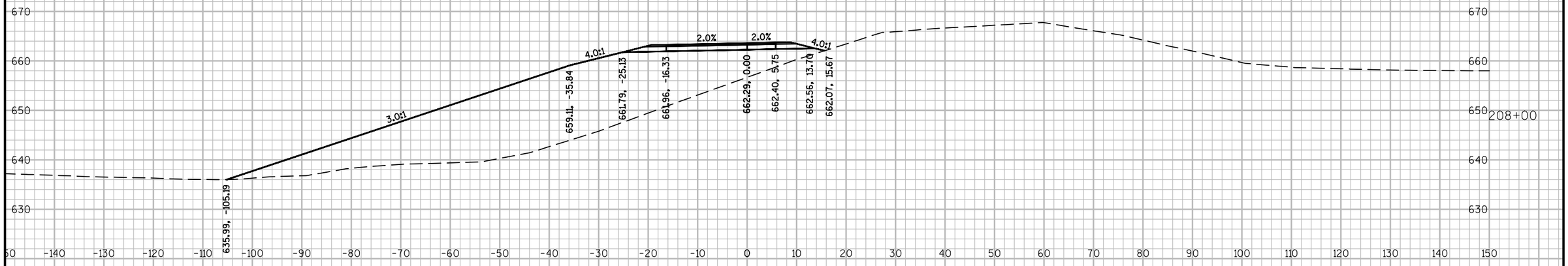
9

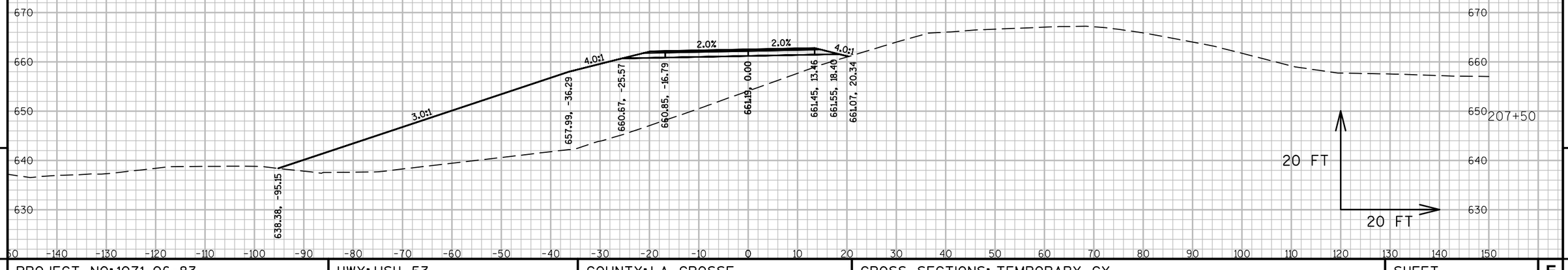
PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1122	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090203_XSGY

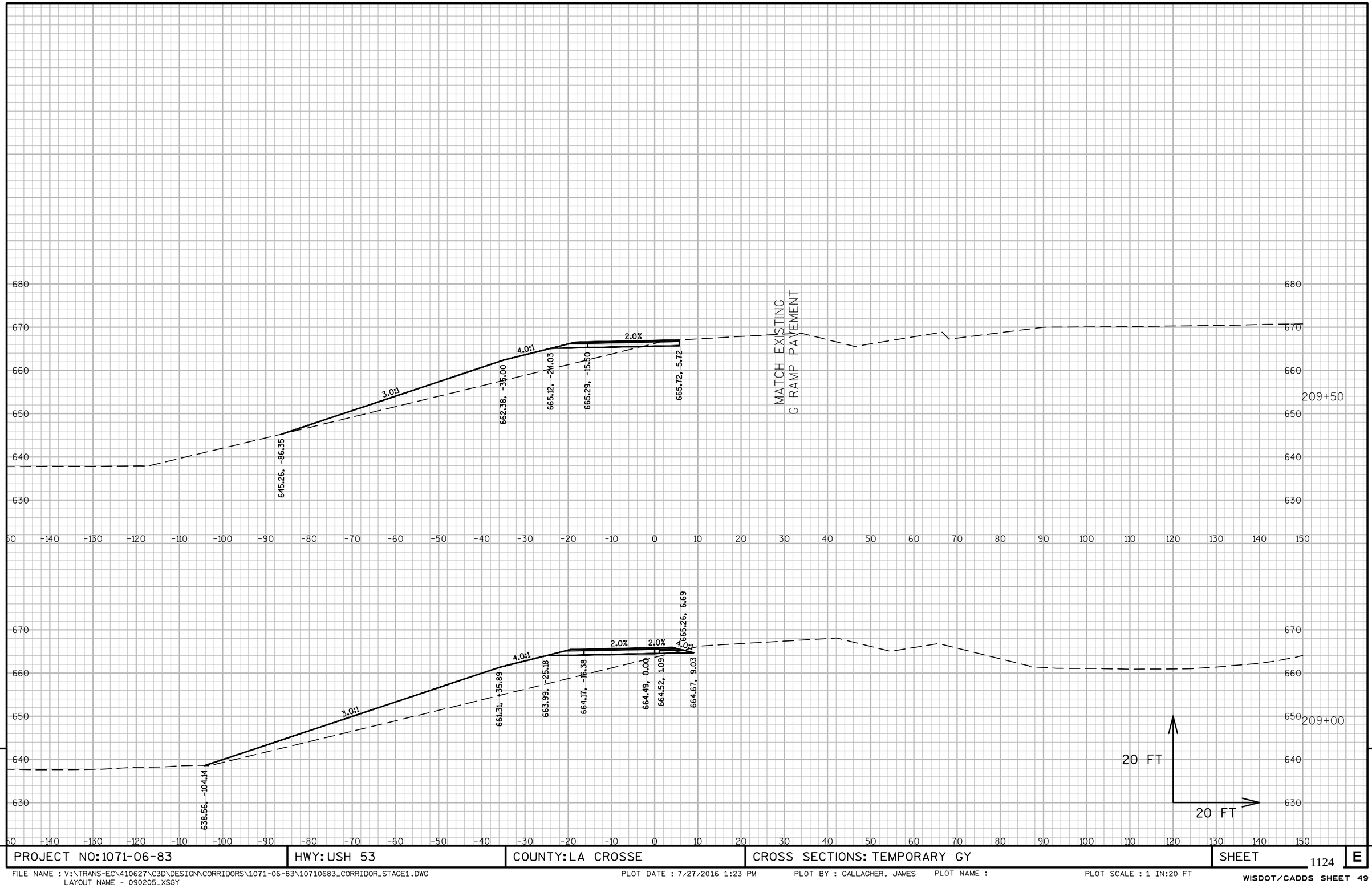
PLOT DATE : 7/27/2016 1:22 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1123	E



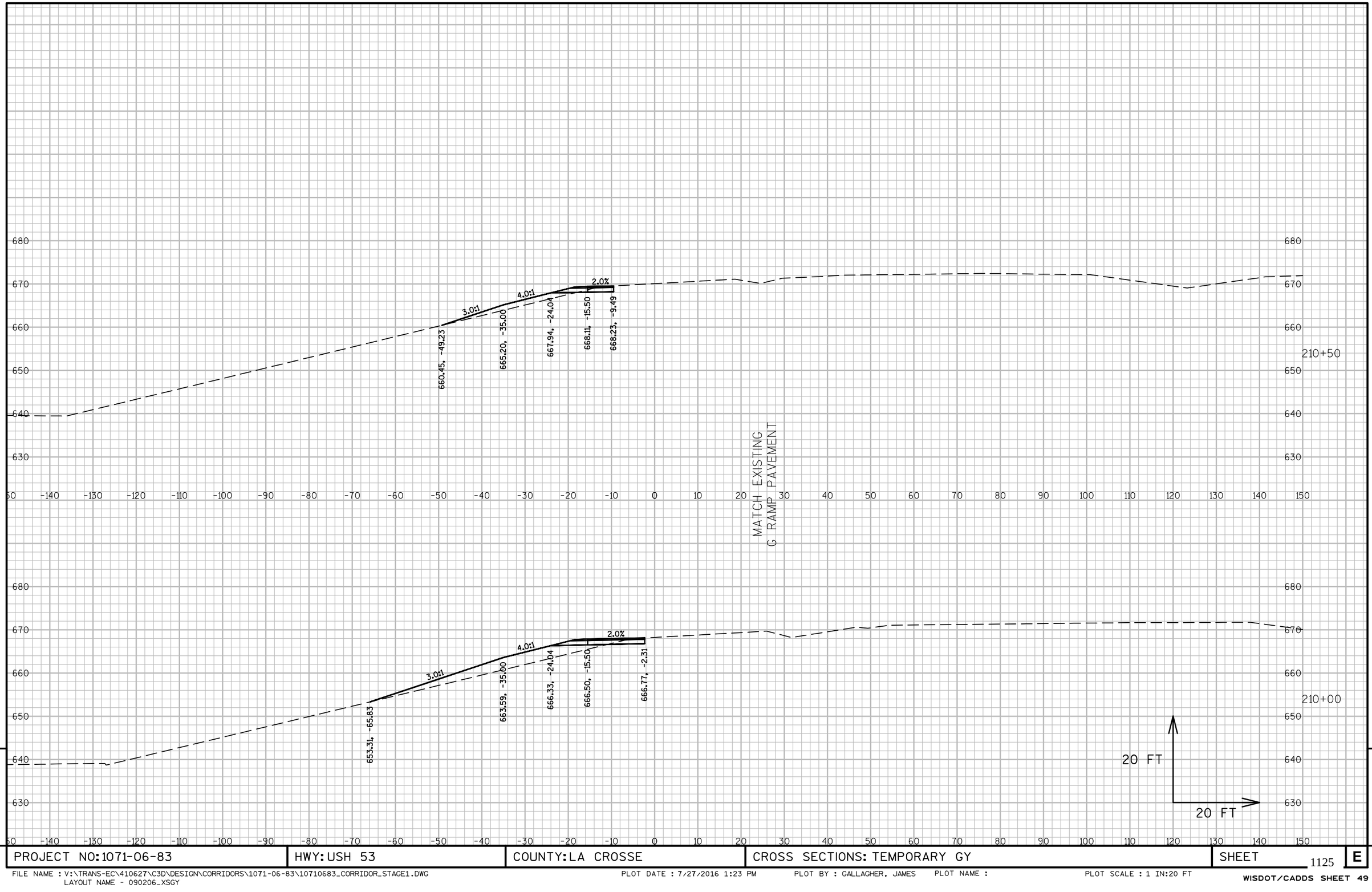
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1124	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090205_XSGY

PLOT DATE : 7/27/2016 1:23 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



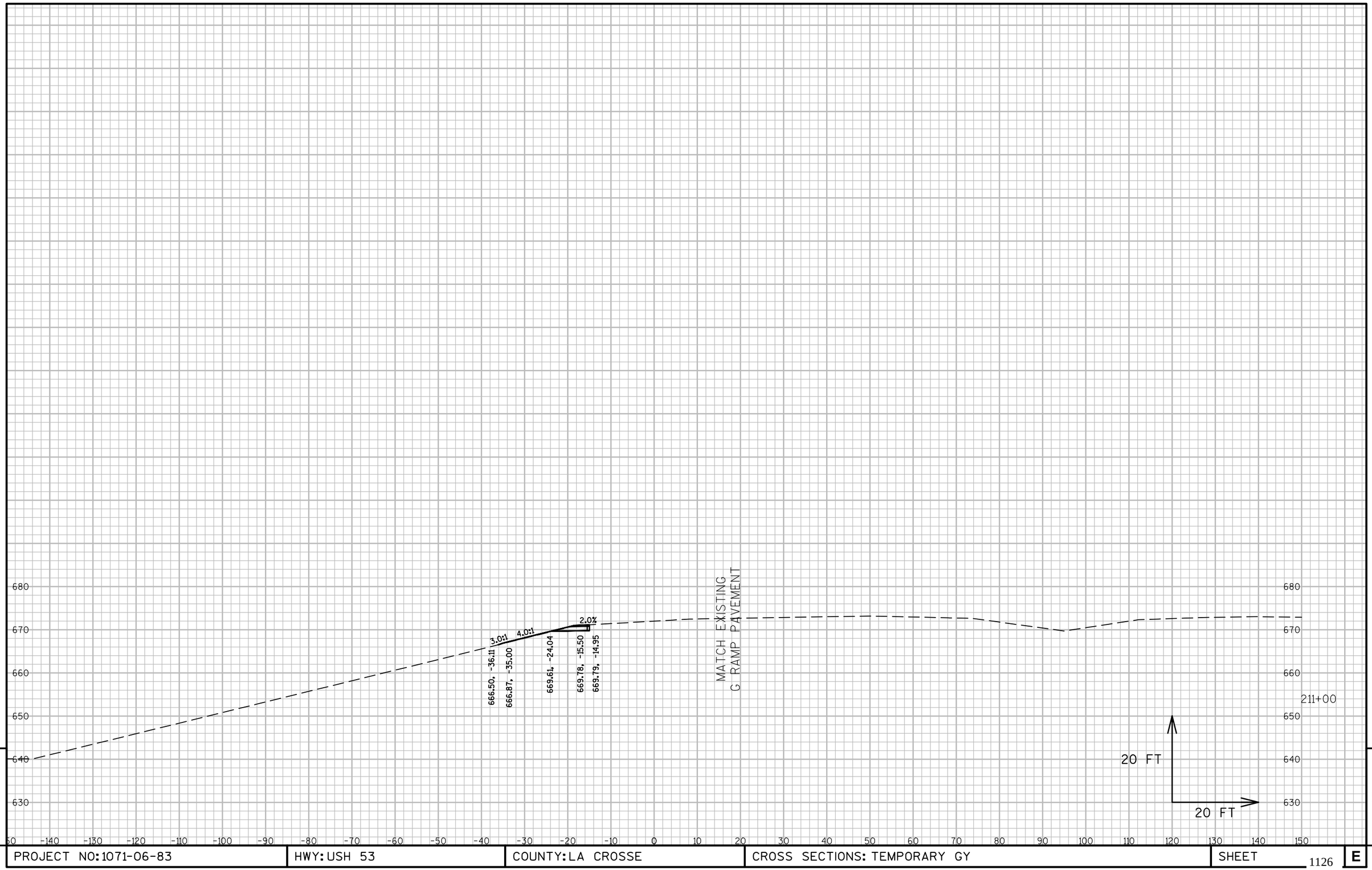
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1125	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090206_XSGY

PLOT DATE : 7/27/2016 1:23 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



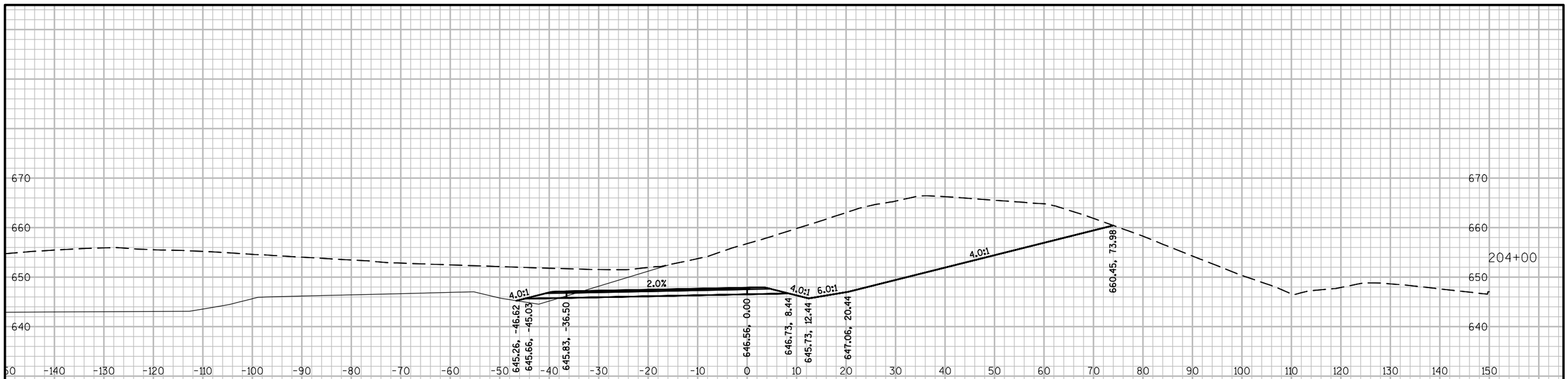
9

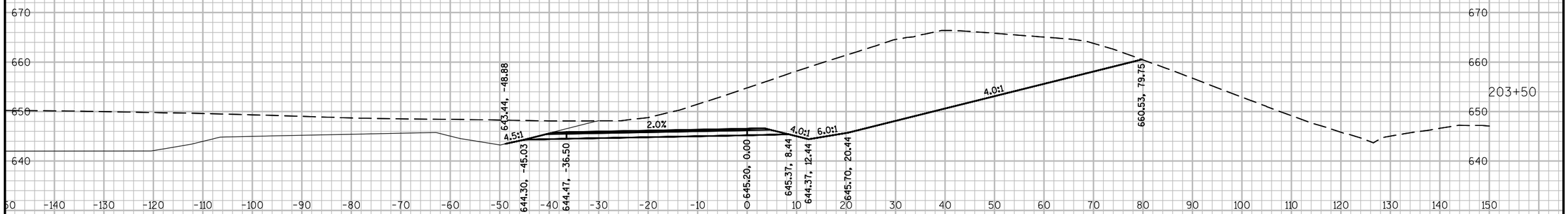
9

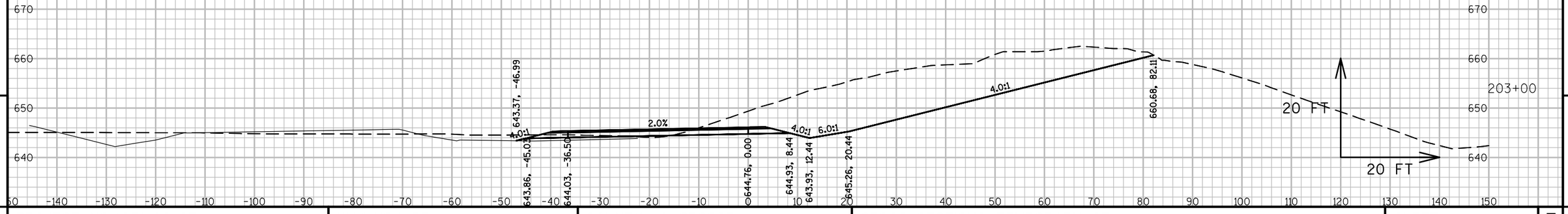
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GY	SHEET 1126	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090207_XSGY

PLOT DATE : 7/27/2016 1:23 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT







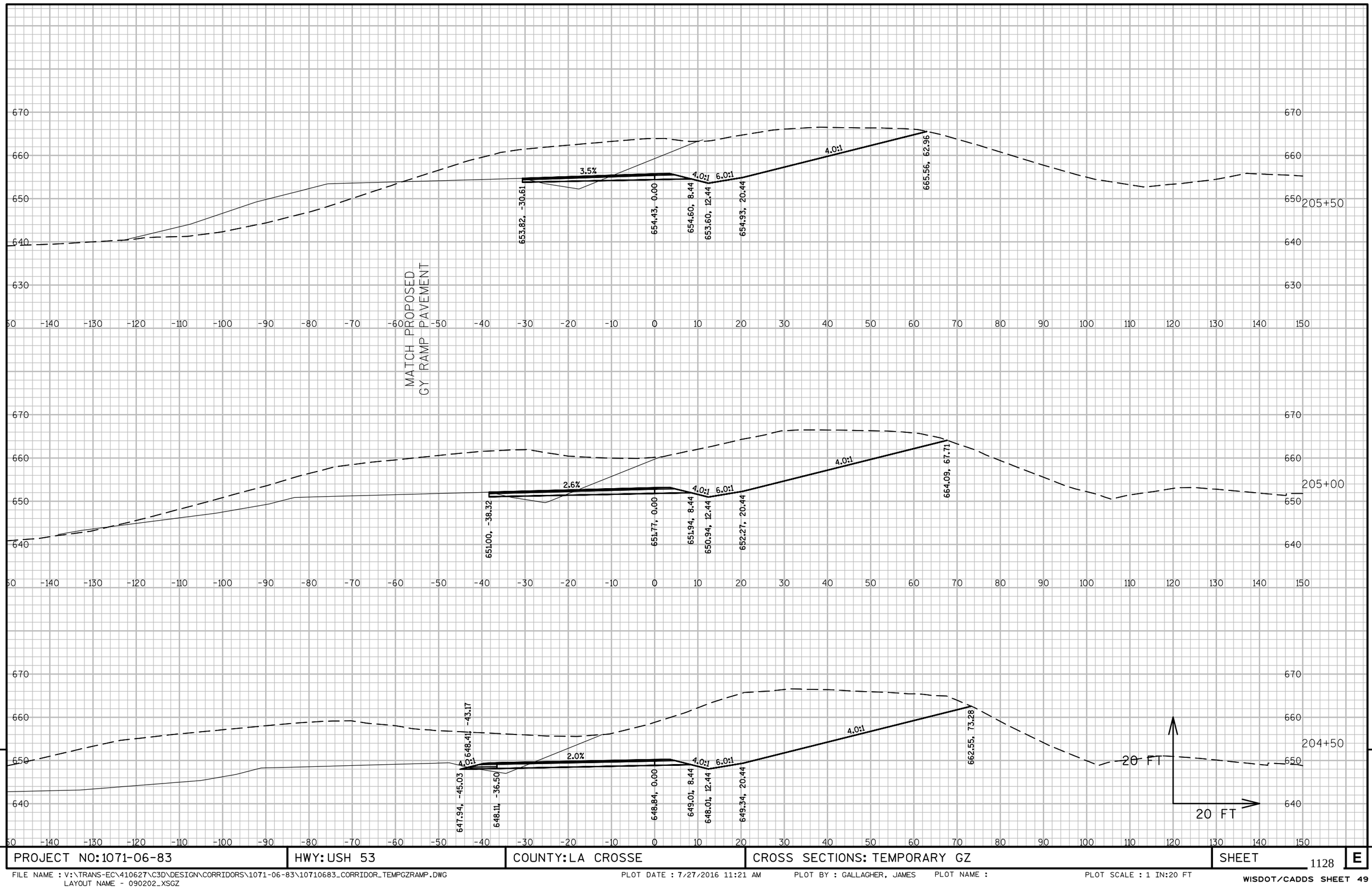
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GZ	SHEET 1127	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPGZRAMP.DWG
LAYOUT NAME - 090201_XSGZ

PLOT DATE : 7/27/2016 11:21 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



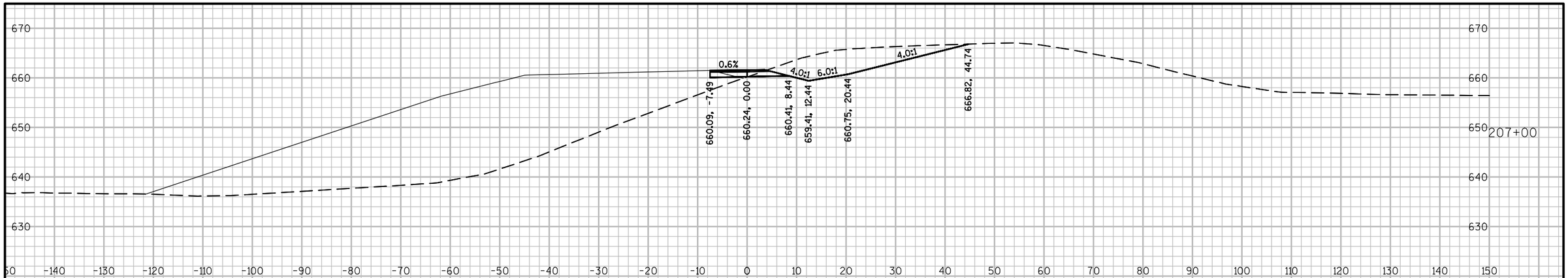
9

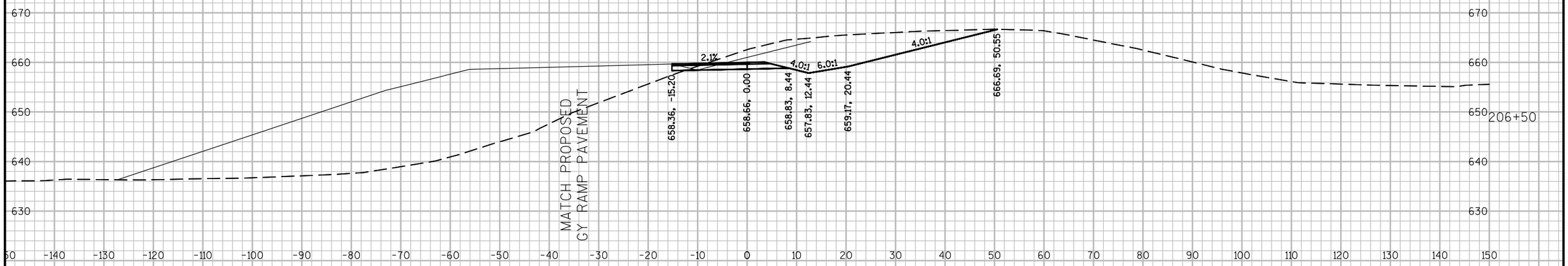
9

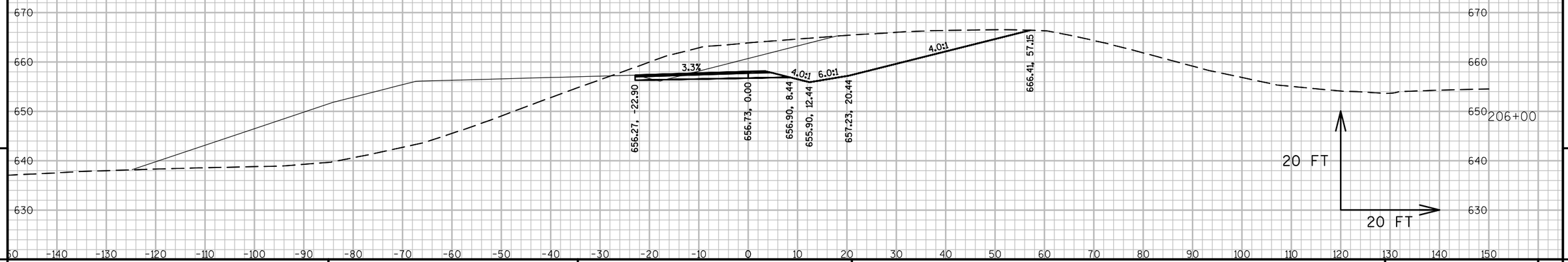
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY GZ	SHEET 1128	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPGZRAMP.DWG
LAYOUT NAME - 090202_XSGZ

PLOT DATE : 7/27/2016 11:21 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT





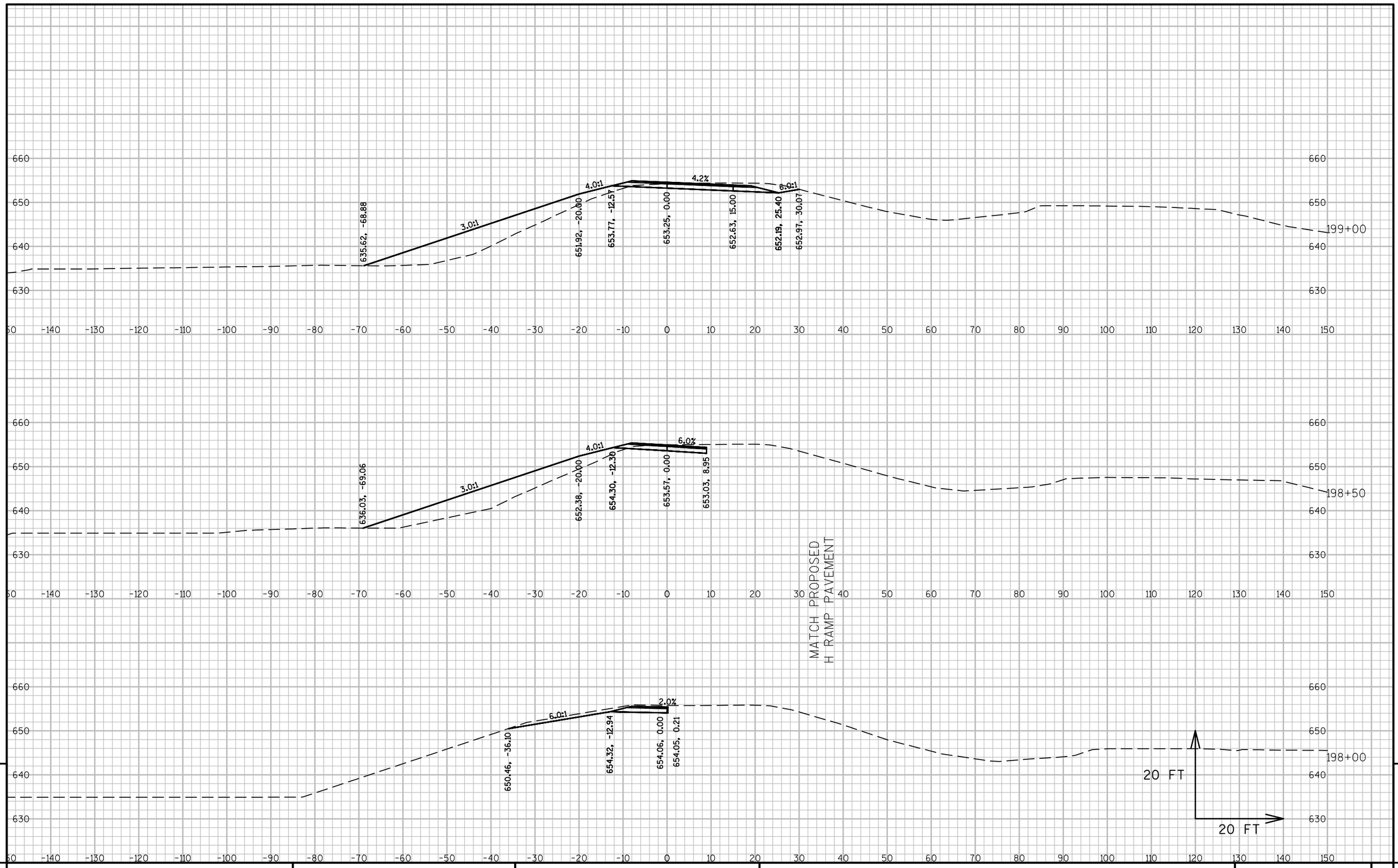


9 9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY GZ	SHEET 1129	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPGZRAMP.DWG
LAYOUT NAME - 090203_XSGZ

PLOT DATE : 7/27/2016 11:22 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



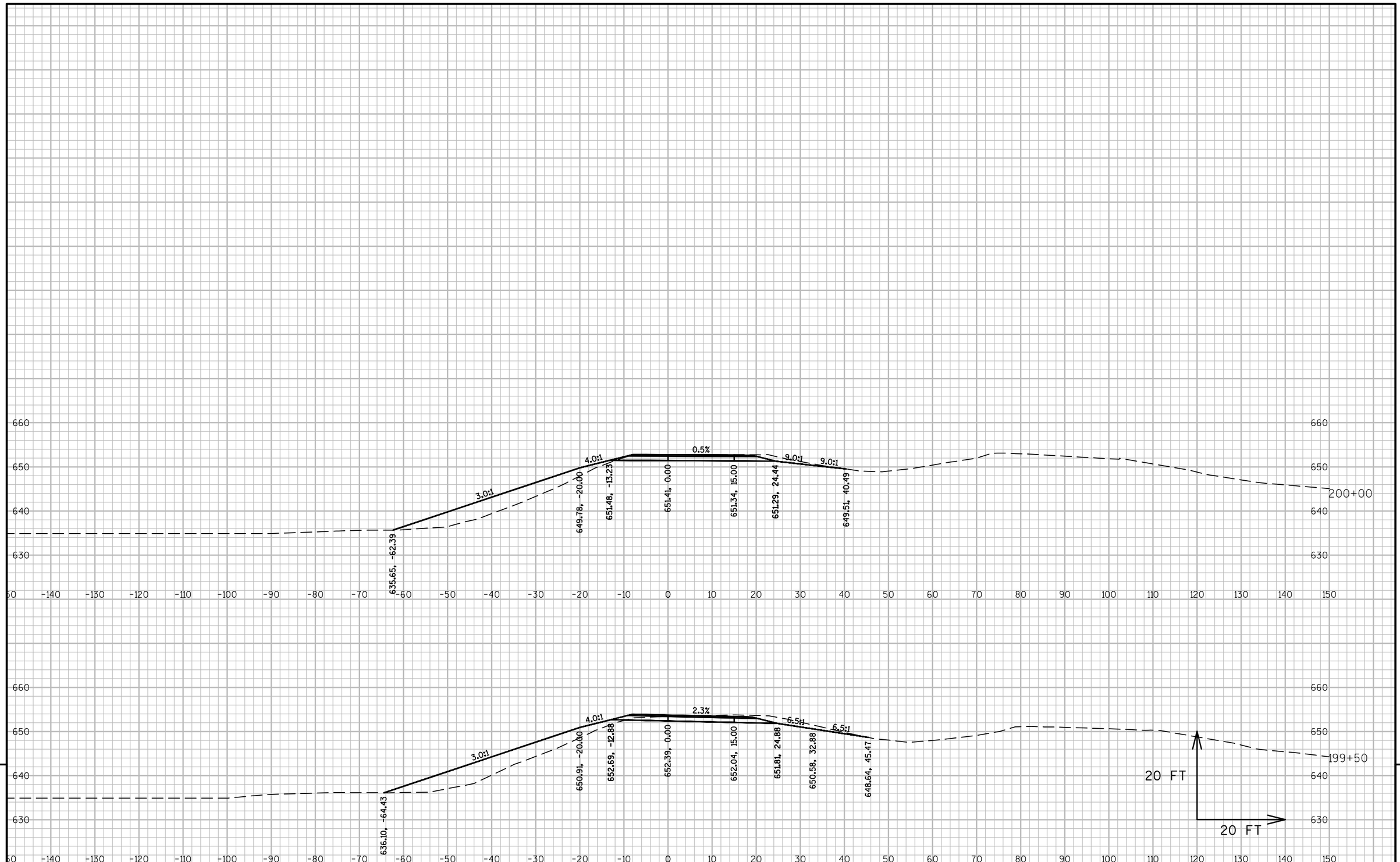
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY HX	SHEET 1130	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPHXRAMP.DWG
LAYOUT NAME - 090201_XSHX

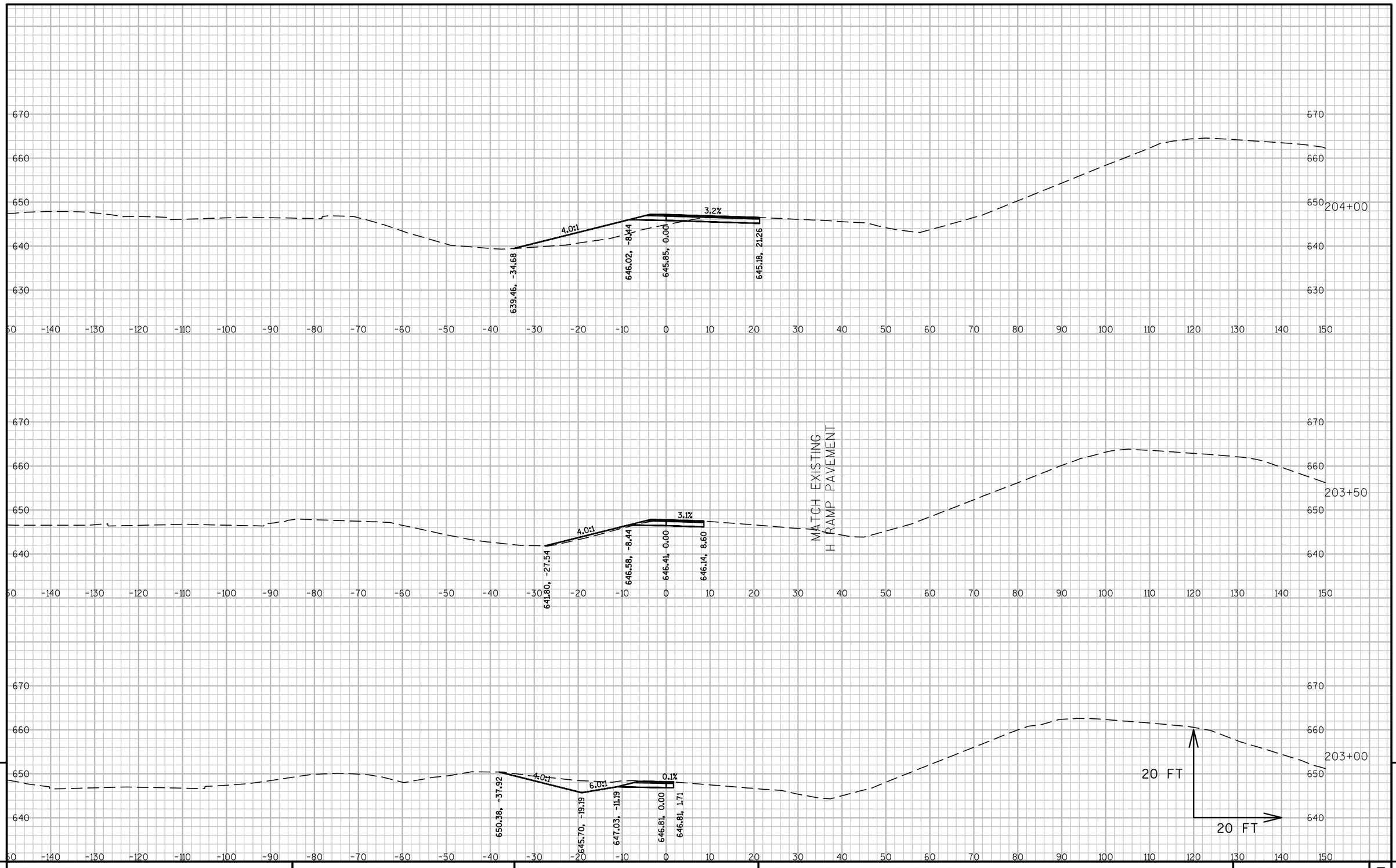
PLOT DATE : 7/27/2016 11:24 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY HX	SHEET 1131 E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPHXRAMP.DWG
LAYOUT NAME - 090202_XSHX

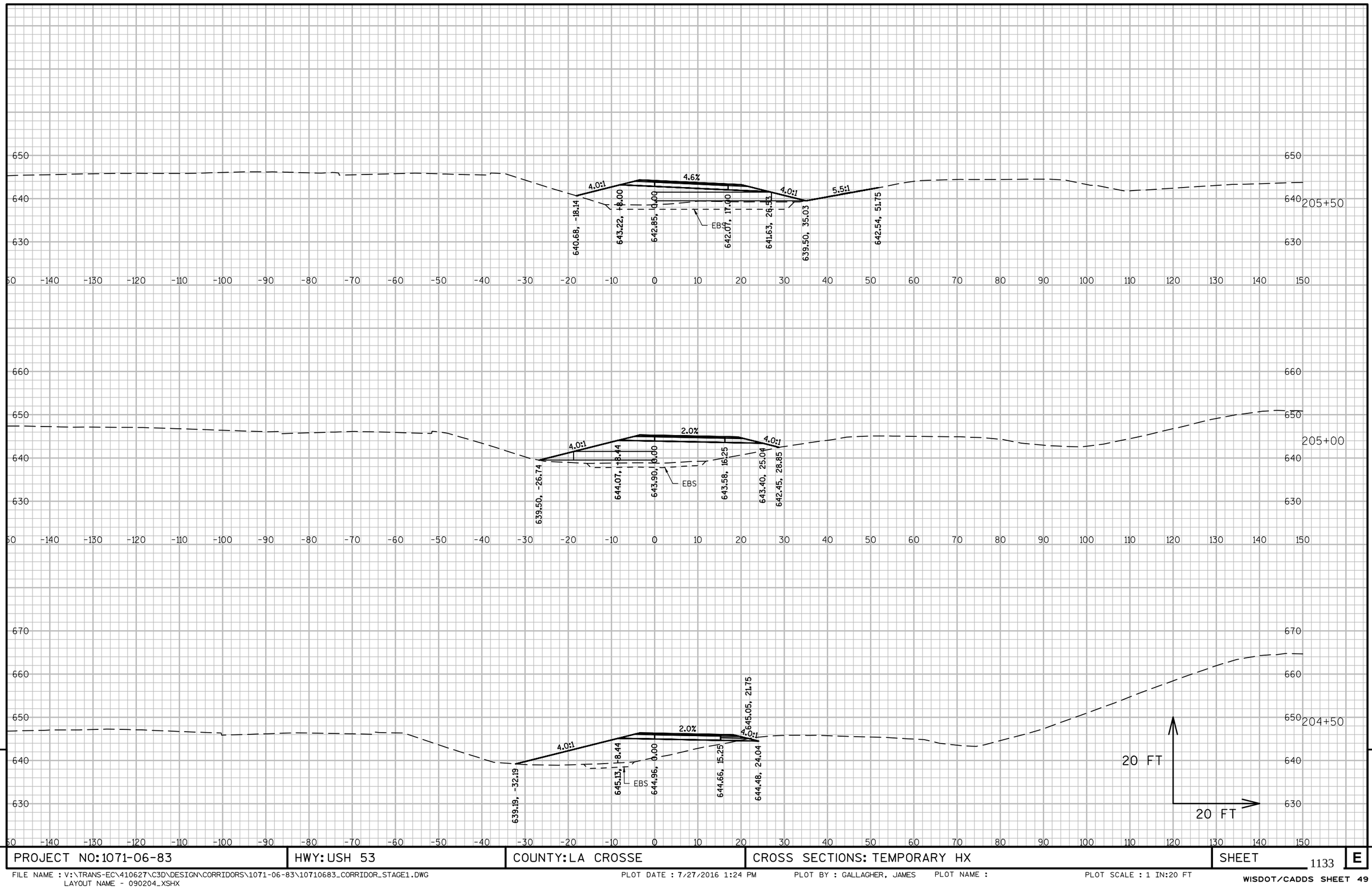
PLOT DATE : 7/27/2016 11:24 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY HX	SHEET 1132	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090203_XSHX

PLOT DATE : 7/27/2016 1:23 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



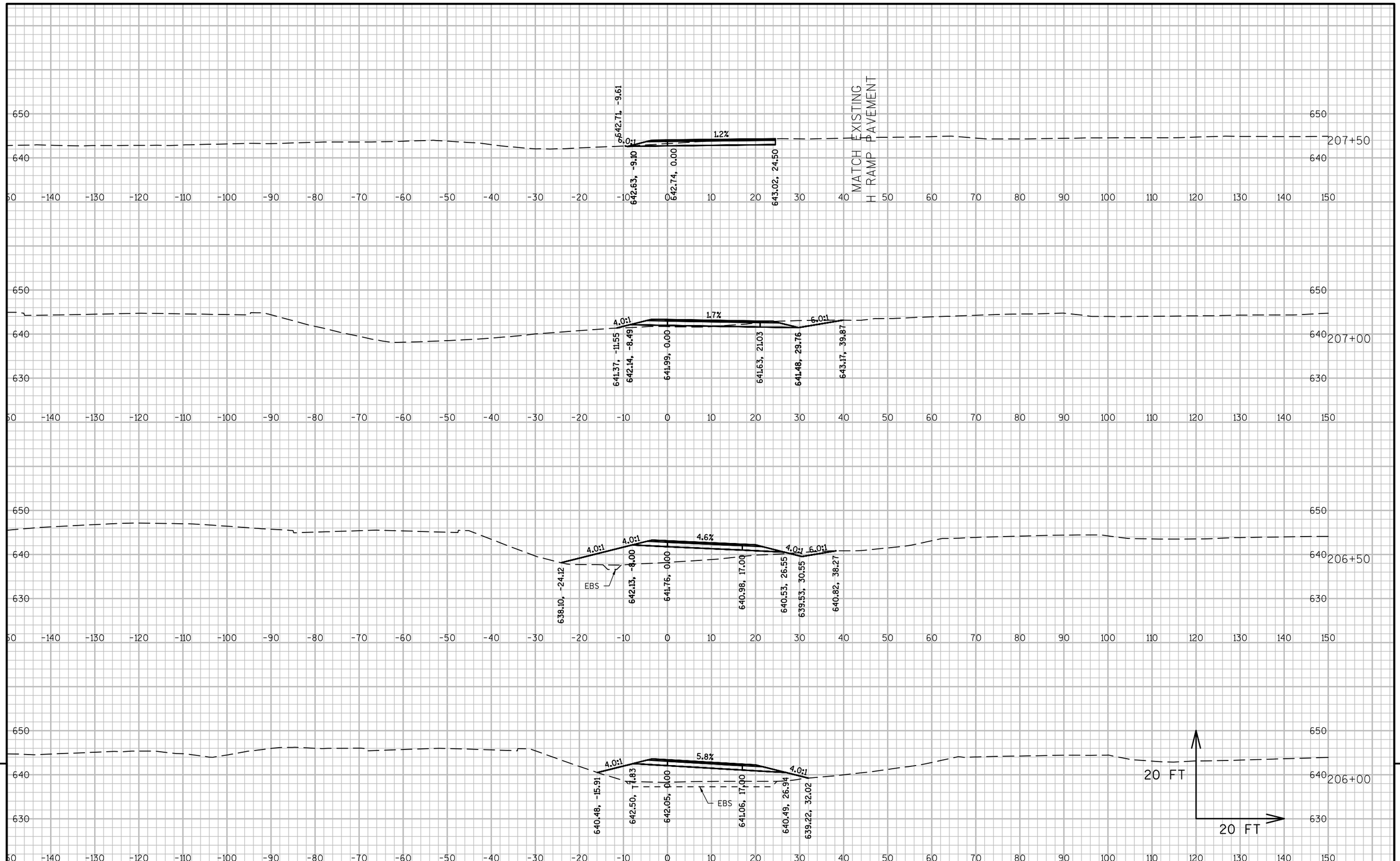
9

9

PROJECT NO:1071-06-83	HWY:USH 53	COUNTY:LA CROSSE	CROSS SECTIONS: TEMPORARY HX	SHEET 1133	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090204_XSHX

PLOT DATE : 7/27/2016 1:24 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



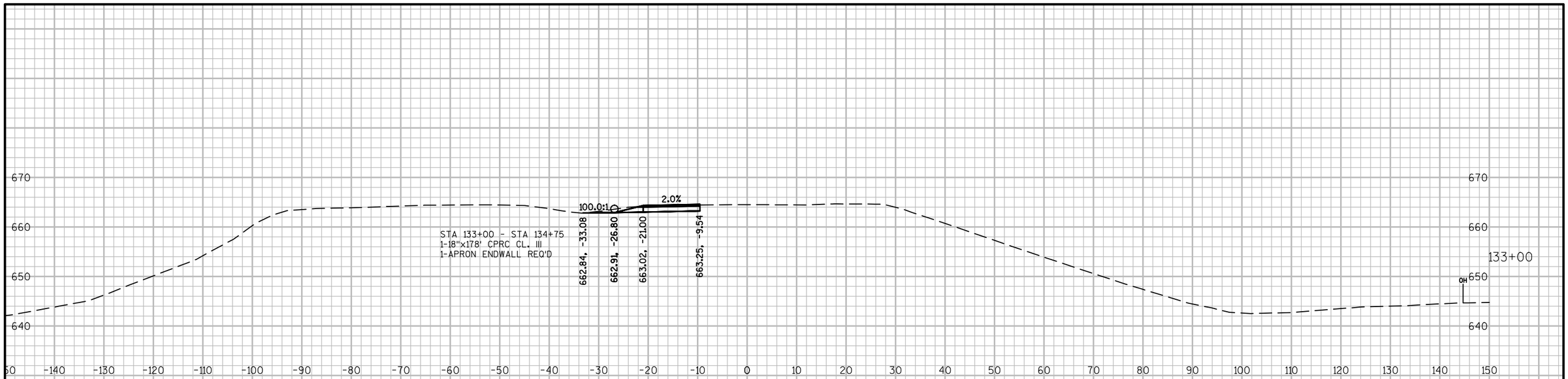
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY HX	SHEET 1134	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_STAGE1.DWG
LAYOUT NAME - 090205_XSHX

PLOT DATE : 7/27/2016 1:24 PM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



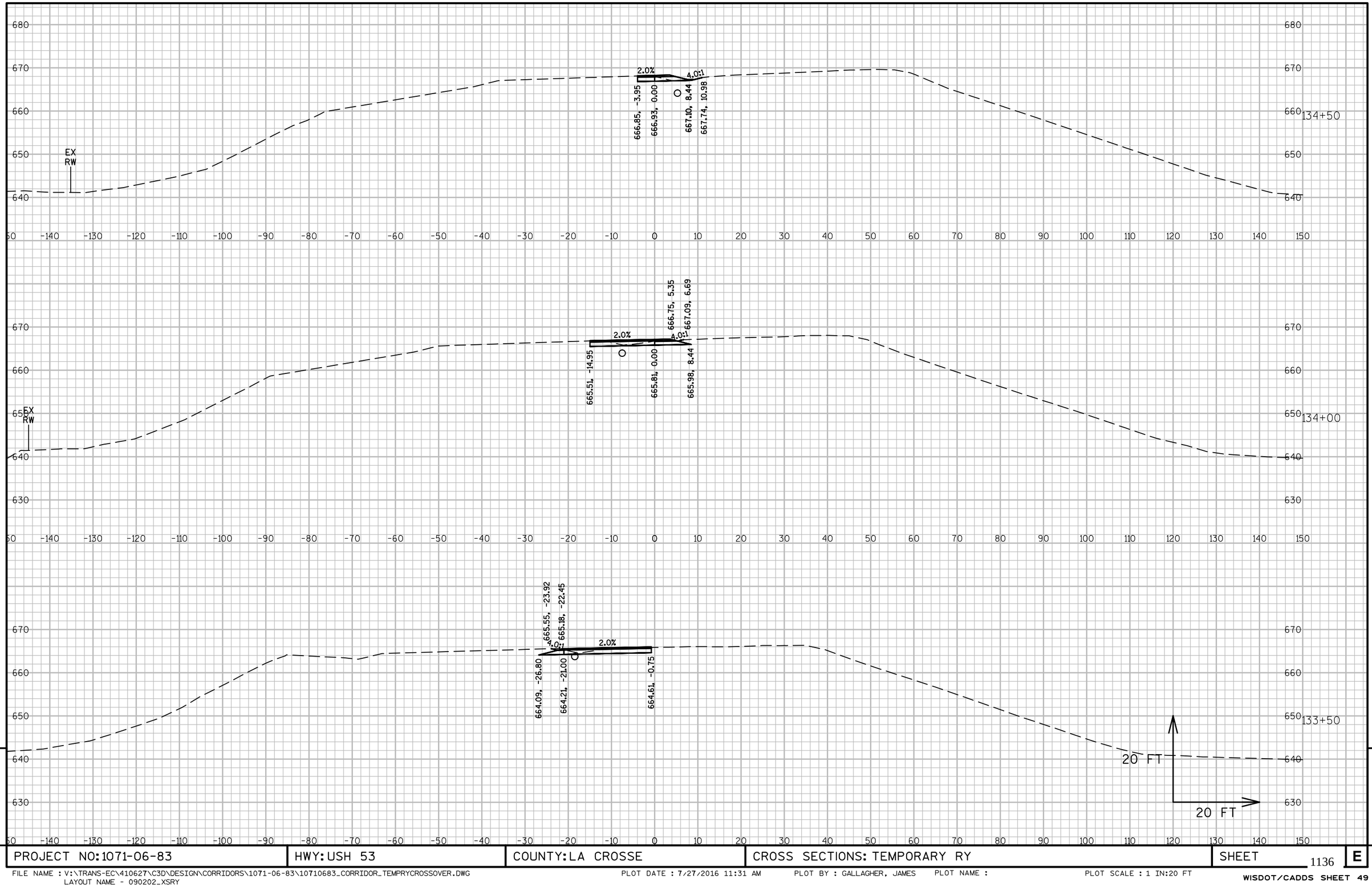
9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RY	SHEET 1135	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRYCROSSOVER.DWG
LAYOUT NAME - 090201_XSRY

PLOT DATE : 7/27/2016 11:31 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



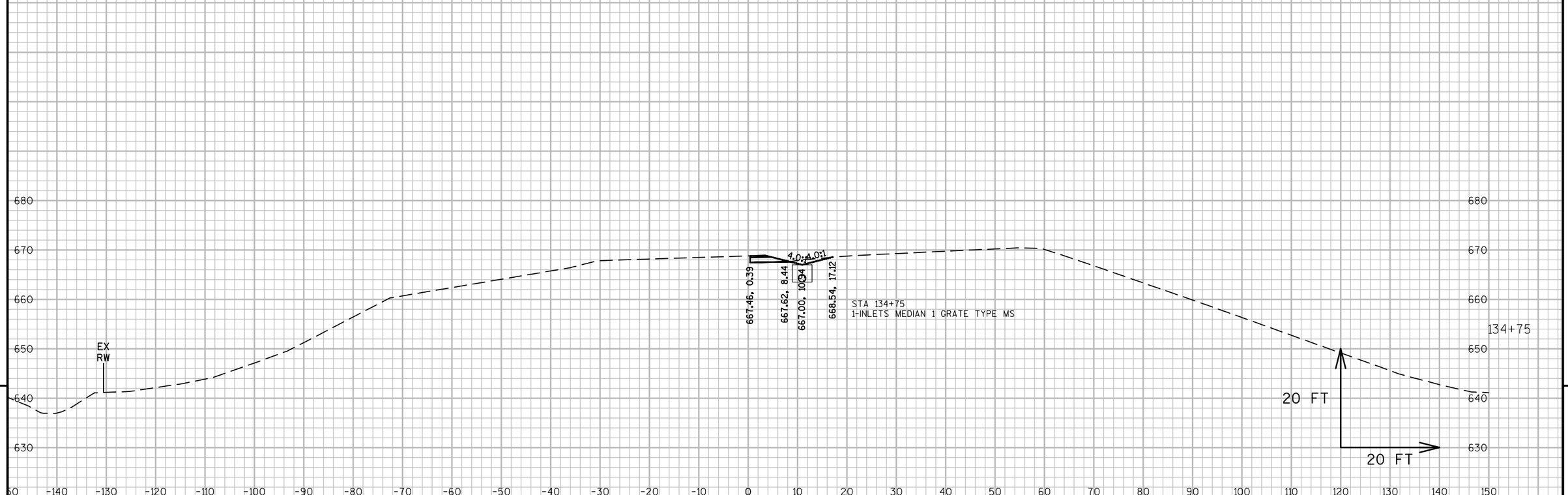
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RY	SHEET 1136	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRYCROSSOVER.DWG
LAYOUT NAME - 090202_XSRY

PLOT DATE : 7/27/2016 11:31 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RY	SHEET 1137	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRYCROSSOVER.DWG
LAYOUT NAME - 090203_XSRY

PLOT DATE : 7/27/2016 11:31 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT

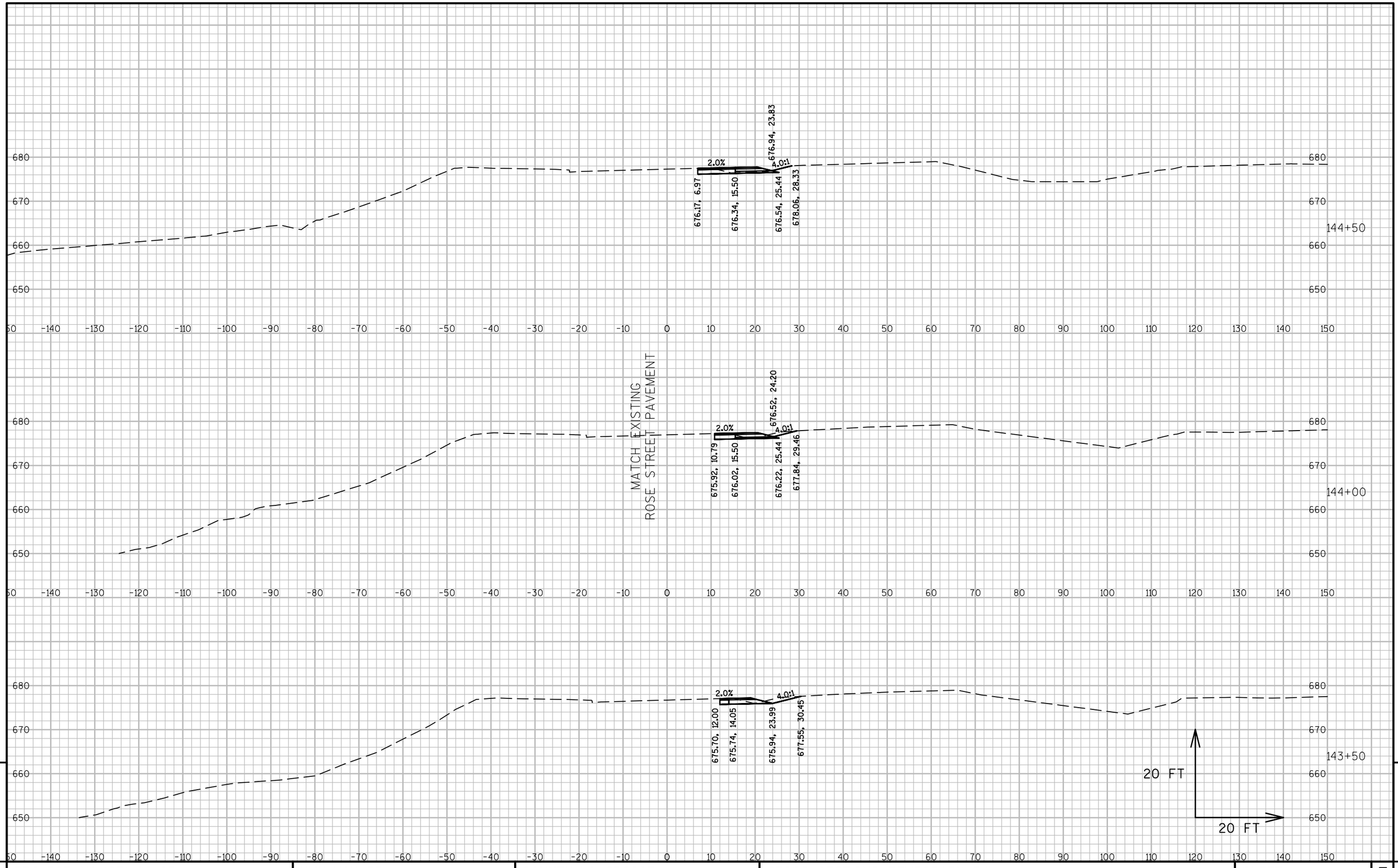
9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RW	SHEET 1138	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRWCROSSOVER.DWG
LAYOUT NAME - 090201_XSRW

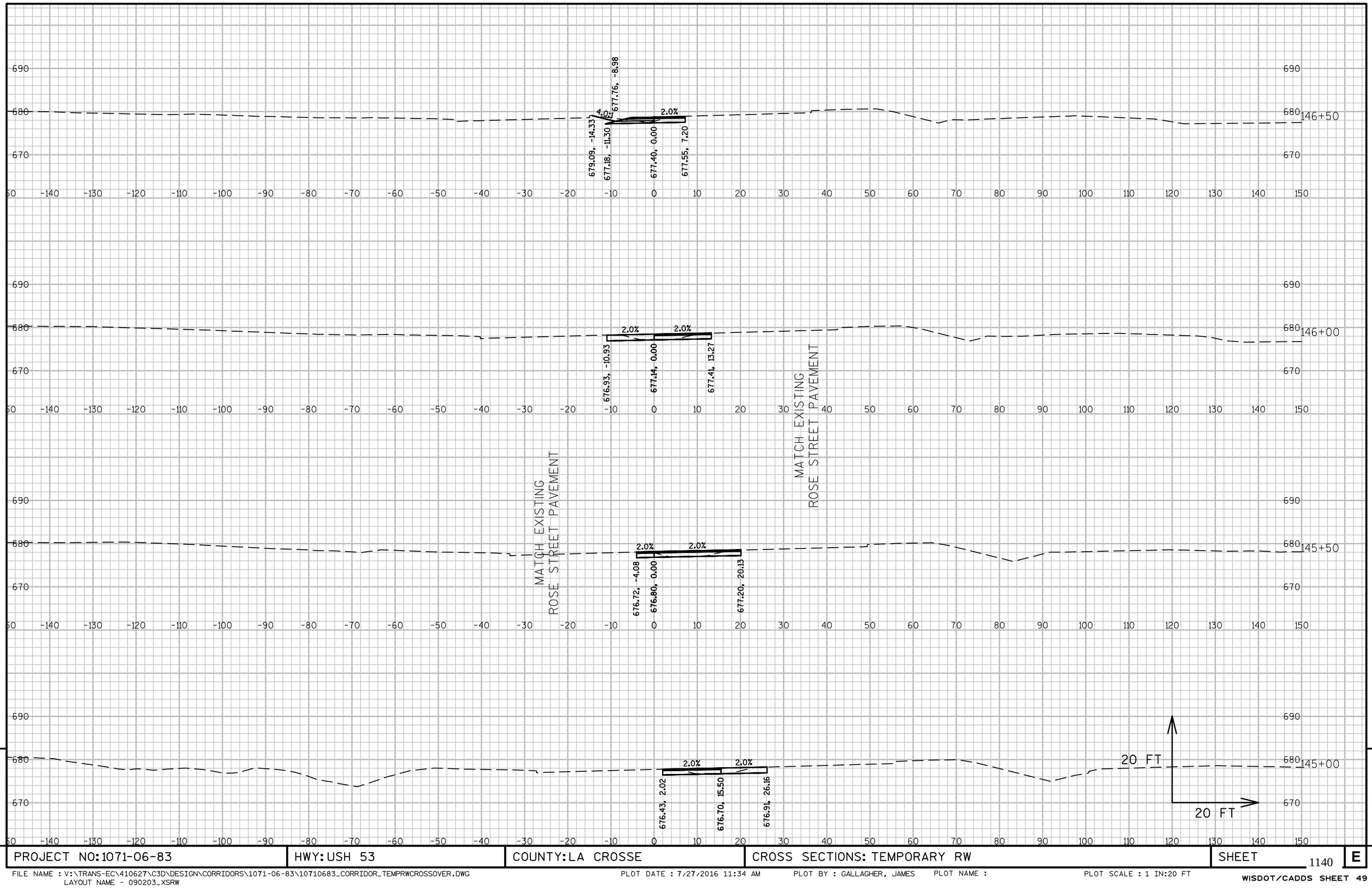
PLOT DATE : 7/27/2016 11:33 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RW	SHEET 1139	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRWCROSSOVER.DWG
LAYOUT NAME - 090202_XSRW

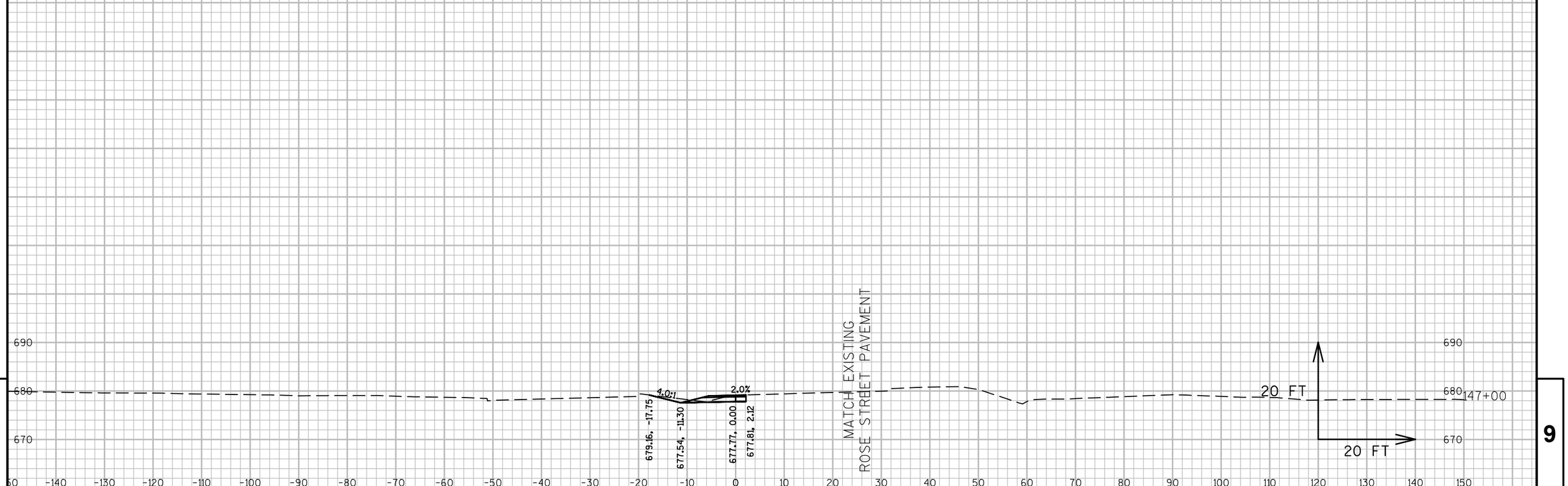
PLOT DATE : 7/27/2016 11:33 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RW	SHEET 1140	E



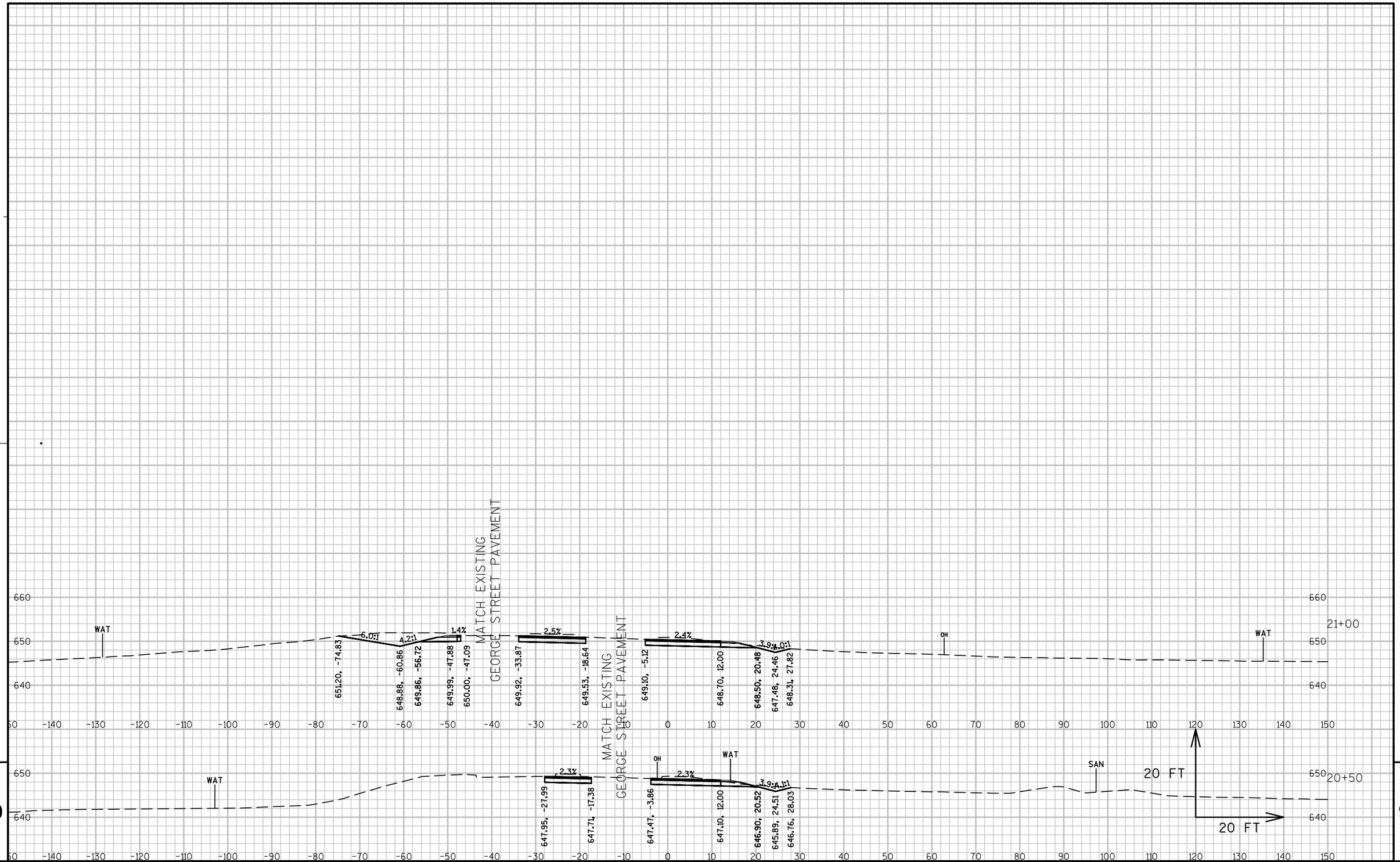
9

9

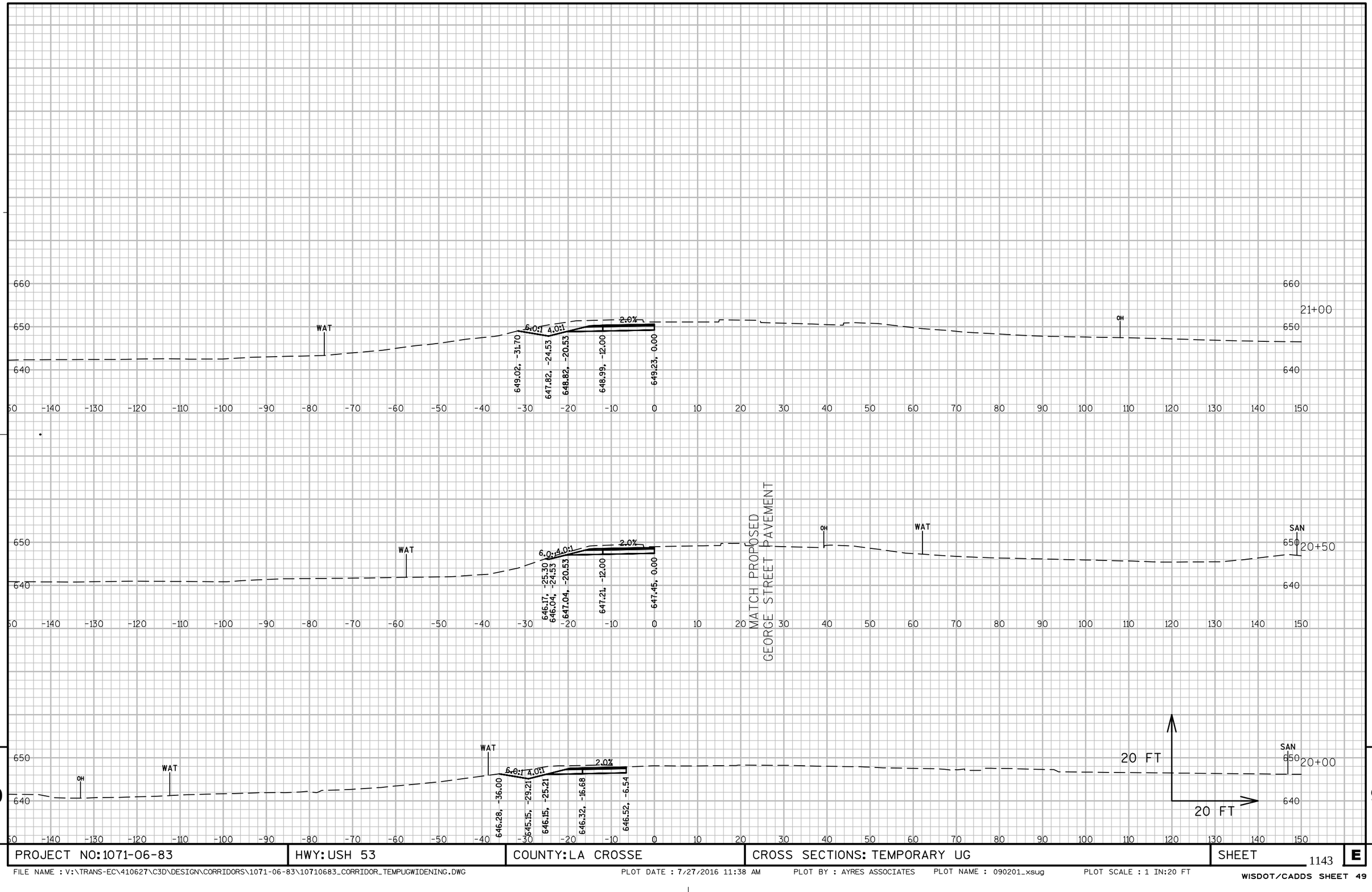
PROJECT NO: 1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY RW	SHEET 1141	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPRWCROSSOVER.DWG
LAYOUT NAME - 090204_XSRW

PLOT DATE : 7/27/2016 11:34 AM PLOT BY : GALLAGHER, JAMES PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY TG	SHEET 1142 E



9 9

PROJECT NO:1071-06-83	HWY: USH 53	COUNTY: LA CROSSE	CROSS SECTIONS: TEMPORARY UG	SHEET 1143	E

FILE NAME : V:\TRANS-EC\410627\C3D\DESIGN\CORRIDORS\1071-06-83\10710683_CORRIDOR_TEMPUGWIDENING.DWG PLOT DATE : 7/27/2016 11:38 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : 090201_xsug PLOT SCALE : 1 IN:20 FT

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov