SWL MAR 2017

PROJECT ID: 5849-00-11/12

WITH: N/A

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 326

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF FITCHBURG, LACY ROAD

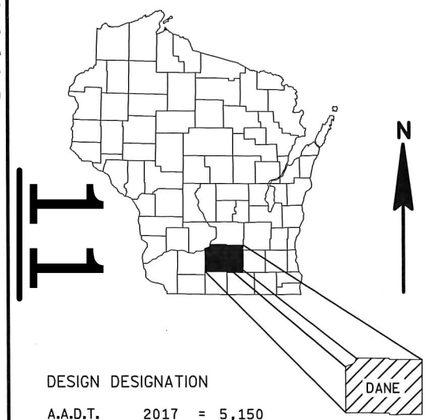
(RESEARCH PARK DRIVE - SYENE ROAD)

LOCAL STREET

DANE COUNTY

STATE PROJECT NUMBER
5849-00-11/12

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5849-00-11	WISC 2017100	1
5849-00-12	———	—

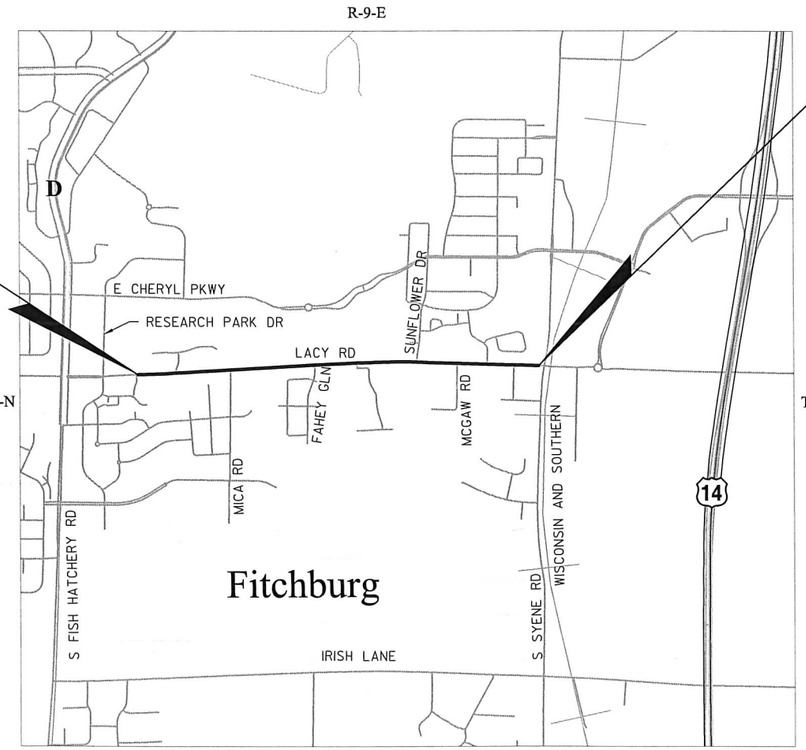


DESIGN DESIGNATION

A.A.D.T.	2017	= 5,150
A.A.D.T.	2037	= 9,750
D.H.V.	2037	= 1,151
D.D.		= 59/41
T.		= 4.2%
DESIGN SPEED		= 40 MPH
ESALS		= 824,900

BEGIN PROJECT
STA 11+00.00
X = 810,760.160
Y = 456,072.661

END PROJECT
STA 80+25.00



CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

LAYOUT
SCALE 0 1/2 MILE

TOTAL NET LENGTH OF CENTERLINE = 1.312 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD88 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR

CITY of FITCHBURG

10/24/2016 (Date)

Cory Horton DPW (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

WISCONSIN PROFESSIONAL ENGINEER
TROY J. PANKRATZ
E-36644
OREGON, WI

10/21/2016 (Date) Troy Pankratz (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MEAD & HUNT, INC
Designer	MEAD & HUNT, INC
Project Manager	TROY PANKRATZ
Management Consultant	KL ENGINEERING INC.

APPROVED FOR THE DEPARTMENT

DATE: 10/27/16 (Management Consultant Signature)

E

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AP	ACCESS POINT
AR	ACCESS RIGHTS
AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ET AL	AND OTHERS
∠	ANGLE
ASPH	ASPHALTIC
APM	ASPHALTIC PLANT MIX
AVG	AVERAGE
AADT	ANNUAL AVERAGE DAILY TRAFFIC
BK	BACK
BF	BACK FACE
BL or B/L	BASE LINE
BM	BENCH MARK
BLK	BLOCK
BR	BRIDGE
CB	CATCH BASIN
CL or C/L	CENTER LINE
CC	CENTER TO CENTER
	CENTRAL ANGLE OR DELTA
CH	CHORD
CH BRG	CHORD BEARING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CB*	CONTROL BASE
CORR	CORRUGATED
CACP	CORRUGATED ALUMINUM CULVERT PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CMCP	CORRUGATED METAL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSPCP	CORRUGATED STEEL PIPE CATTLE PASS
CO	COUNTY
CTH	COUNTY TRUNK HIGHWAY
CR	CREEK
CR	CRUSHED
CABC	CRUSHED AGGREGATE BASE COURSE
CY or CUYD	CUBIC YARD
CULV	CULVERT
CP	CULVERT PIPE
CG	C & G CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
DISCH	DISCHARGE
DIST	DISTRICT
DG	DITCH GRADE
DOC	DOCUMENT
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
ELEC	ELECTRIC (AL)
EL or ELEV	ELEVATION
EMB	EMBANKMENT
EVP	EMERGENCY VEHICLE PREEMPT
EVPR	EMERGENCY VEHICLE PREEMPT RECEIVER
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EX or EXIST	EXISTING
FL or F/L	FLOW LINE
FT	FOOT
FTG	FOOTING
FDN	FOUNDATION
FTMS	FREEWAY TRAFFIC MANAGEMENT SYSTEM
G	GARAGE
GN	GRID NORTH
EXP	EXPANSION
FF	FACE TO FACE OR FRONT FACE
FP	FENCE POST
FERT	FERTILIZE
FE	FIELD ENTRANCE
F	FILL
FG	FINISH GRADE
FAB	FLASHING ARROW BOARD
HES	HIGH EARLY STRENGTH
H	HOUSE
HYD	HYDRANT
IN DIA	INCH DIAMETER
INTERS	INTERSECTION
INV	INVERT
IP	IRON PIPE OR PIN
JT	JOINT
JCT	JUNCTION
LT	LEFT
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LIN FT or LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MAINT	MAINTENANCE
MH	MANHOLE
MP	MARKER POST
M	MARSH
ML or M/L	MATCH LINE
MATL	MATERIAL
MB	MESSAGE BOARD
NOM	NOMINAL
NRCPSS	NON REINFORCED CONCRETE PIPE STORM SEWER
NC	NORMAL CROWN
NW or N/W	NORMAL WATER
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
OBLIT	OBLITERATE
OL	OUT LOT
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PERM	PERMANENT
PLE	PERMANENT LIMITED EASEMENT
PU	PIPE UNDERDRAIN
PUDT	PIPE UNDERDRAIN DRAIN
PUU	PIPE UNDERDRAIN UNPERFORATED
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
LB Pound	LB POUND
PSI	POUNDS PER SQUARE INCH
PE	PRIVATE ENTRANCE
PROJ	PROJECT
PL	PROPERTY LINE
R	RADIUS
RP	RADIUS POINT
RR	RAILROAD
RM	RAMP METER
R	RANGE
RECY	RECYCLED
RL or R/L	REFERENCE LINE
RP	REFERENCE POINT
RCCP	REINFORCED CONCRETE CULVERT PIPE
CP	CULVERT PIPE
RCHECP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RCPCP	REINFORCED CONCRETE PIPE CATTLE PASS
RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
REBAR	REINFORCEMENT BAR
REINF	REINFORCING OR REINFORCEMENT
REL	RELOCATE (D)
REM	REMAINING
REQD	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RW	RETAINING WALL
RT	RIGHT
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RD	ROAD
RDWY	ROADWAY
SALV	SALVAGED
SSS	SANITARY AND STORM SEWER
SAN S	SANITARY SEWER
SEC	SECTION
SHLDR	SHOULDER
SHR	SHRINKAGE
SW	SIDEWALK
SB*	SIGNAL BASE
S	SOUTH
SB	SOUTHBOUND
SP	SPECIAL
SC	SPECIAL CROSSING
SPECS	SPECIFICATIONS
SQ	SQUARE
SF or SQ FT	SQUARE FEET
SY or SQ YD	SQUARE YARD
STD	STANDARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
SE	SUPERELEVATION
SURF	SURFACE
T	TANGENT
TEL	TELEPHONE
TEMP	TEMPORARY
TI	TEMPORARY INTEREST
TLE	TEMPORARY LIMITED EASEMENT
TPM	TEMPORARY PAVEMENT MARKING
TPMRT	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE
†	TON
TC	TOP OF CURB
T or TN	TOWN
TRANS	TRANSITION
TL or T/L	TRANSIT LINE
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
UG	UNDERGROUND
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
V	VELOCITY OR DESIGN SPEED
VERT	VERTICAL
VC	VERTICAL CURVE
VPCC	VERTICAL POINT OF COMPOUND
Curve	CURVE
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVE
VPT	VERTICAL POINT OF TANGENCY
VIT	VITRIFIED
VOL	VOLUME
W	WATER
WM	WATER MAIN
WV	WATER VALVE
W	WELL
W	WEST
WB	WESTBOUND
YD	YARD

DESIGN CONTACT
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2440 DEMING WAY
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CITY OF FITCHBURG CONTACT
CITY OF FITCHBURG, WI
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FITCHBURG, WI 53711

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TELEPHONE: 608-270-4262
E-MAIL: Ahnaray.Bizjak@fitchburgwi.gov

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DEPARTMENT OF NATURAL RESOURCES
SOUTH CENTRAL DISTRICT
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FITCHBURG, WI 53711

ATTN: ERIC HEGGELUND

TELEPHONE: 608-275-3301
E-MAIL: Eric.Heggelund@wisconsin.gov

UTILITY CONTACTS

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MADISON, WI 53704

TELEPHONE: 608-819-5014
aaron.grodi@windstream.com

MG&E
GAS

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TELEPHONE: 608-213-6708
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AT&T
COMMUNICATION

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TELEPHONE: 252-2385
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MG&E
ELECTRIC

ATTN: TIM COLE
PO BOX 1231
MADISON, WI 53701

TELEPHONE: 608-712-1604
E-MAIL: Tcole@mge.com

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COMMUNICATION

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WATER/ SANITARY

ATTN: TRACY FOSS
5220 LACY ROAD
FITCHBURG, WI 53711

TELEPHONE:
E-MAIL: tracy.foss@fitchburgwi.gov

** DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM NAVD 88 (1991).

WHEN THE QUANTITY OF BASE AGGREGATE, HMA PAVEMENT OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE 6-INCH SALVAGED TOPSOIL, FERTILIZED, SEEDED AND MULCHED.

BEARINGS SHOWN ON THE PLANS ARE GROUND BEARINGS TO THE NEAREST SECOND.

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

TOP OF CASTING ELEVATIONS SHOWN FOR INLETS REFER TO THE CURB FLANGE ELEVATION AT THE FRONT EDGE OF CURB ADJACENT TO THE CASTING.

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.

EXCAVATION BELOW SUBGRADE (EBS) MAY BE REQUIRED IN AREAS WHERE POOR SOILS ARE ENCOUNTERED. EBS MATERIAL MAY BE USED AS FILL IN AREAS OUTSIDE OF THE ROADWAY SHOULDER POINTS. ESTIMATED EBS AREAS ARE SHOWN ON THE CROSS SECTIONS. ACTUAL LIMITS OF EBS IS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ASPHALTIC SURFACE SPECIAL/HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYER THICKNESSES:

PAVEMENT THICKNESS (INCH)	LOWER (INCH)	NOM AGG SIZE (mm)	UPPER (INCH)	NOM AGG SIZE (mm)
5	3	19	2	12.5
3	---	---	3	12.5

CURB RAMP TYPES ARE SHOWN ON PLAN/INTERSECTION DETAIL SHEETS.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

EXISTING PIPE CULVERT AND/OR CONCRETE BOX CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR SHALL BASE ITS BID ON ACTUAL FIELD CONDITIONS.

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL AND LANDSCAPING PLAN
STORM SEWER PLANS
UTILITY PLANS
PERMANENT SIGNING AND PAVEMENT MARKING PLAN
LIGHTING PLAN
TRAFFIC CONTROL DETAILS
CONSTRUCTION STAGING DETAILS
DETOUR DETAILS
ALIGNMENT DETAILS
CONTROL POINT DATA SHEETS

2

2

BEGIN PROJECT
STA 11+00.00
Y = 456,072.661
X = 810,760.160

END PROJECT
STA 80+25.00

N

E CHERYL PKWY

RESEARCH PARK DR

GLEN ARBOR WAY

GLEN BROOK WAY

MICA RD

FAHEY GLEN

NOTRE DAME DR

SUNFLOWER DR

JONES FARM DR

MCGAW PARK ENTRANCE

MCGAW RD

NORTH PARK LANE

SOUTH SYENE RD

SOUTH SYENE ROAD ALIGNMENT SHOWN FOR INFORMATIONAL PURPOSES ONLY

BLANEY RD

WISCONSIN AND SOUTHERN RAILROAD

MCGAW PARK

LACY RD

20+00 30+00 40+00 50+00 60+00 70+00 80+00 110+00

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PROJECT OVERVIEW	SHEET 4	E

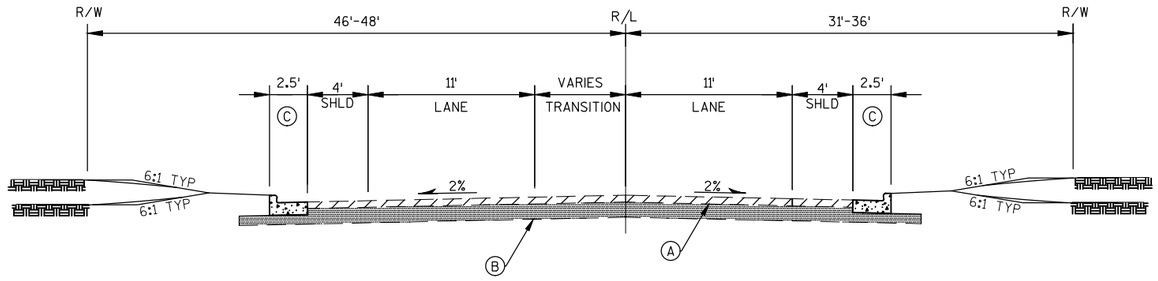
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201_PO
PLOT DATE : 1/5/2017 7:15 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1:600
WISDOT/CADDS SHEET 42

KEY

Ⓐ EXISTING 6" TO 14" ASPHALTIC PAVEMENT (VARIES)

Ⓑ EXISTING 3" TO 16" CRUSHED AGGREGATE BASE COURSE (VARIES)

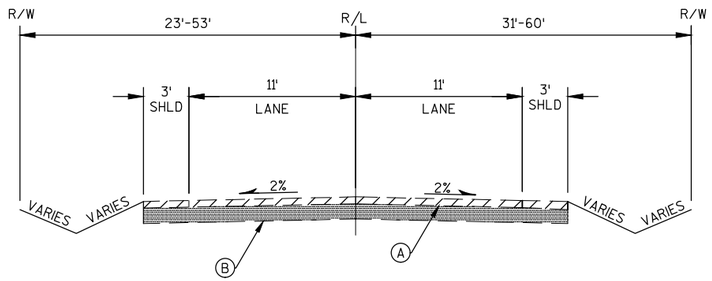
Ⓒ EXISTING CONCRETE CURB AND GUTTER 30"



EXISTING TYPICAL SECTION

LACY ROAD

STA 11+00.00 TO STA 13+66.00

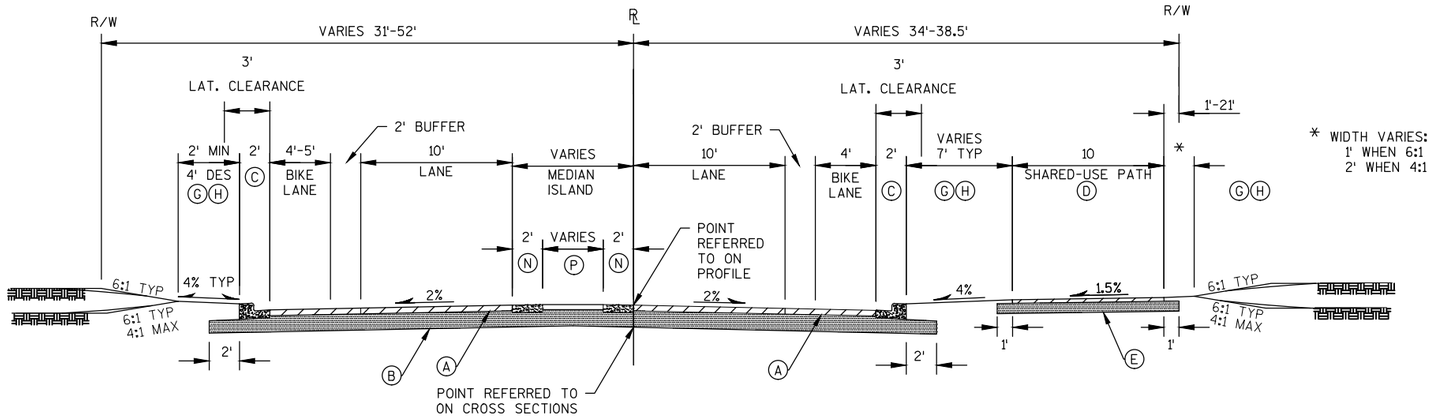


EXISTING TYPICAL SECTION

LACY ROAD

STA 13+66.00 TO STA 80+25.00

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E



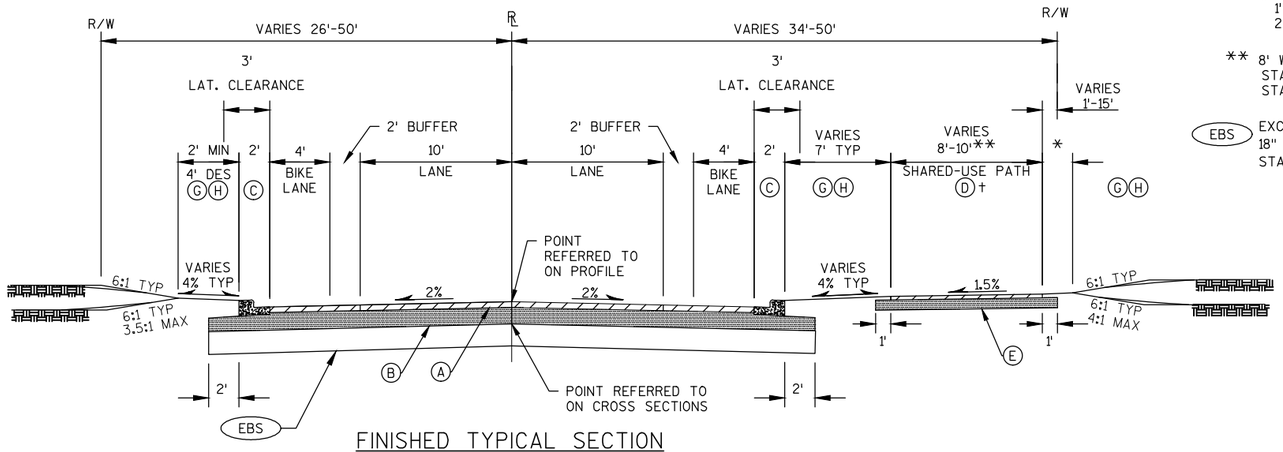
FINISHED TYPICAL SECTION

LACY ROAD

STA 11+00 TO STA 13+82.70
STA 47+15.56 TO 48+65.08

KEY

- (A) 2" HMA PAVEMENT 4 LT 58-28 S (UPPER)
  3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
- (B) 12" BASE AGGREGATE DENSE 1¼-INCH
- (C) CONCRETE CURB & GUTTER 24-INCH
- (D) 3" ASPHALTIC SURFACE
- (E) 8" BASE AGGREGATE DENSE 1¼-INCH
- (F) 5" BASE AGGREGATE DENSE ¾-INCH
- (G) 6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
- (H) SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- (I) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
- (J) CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
- (K) CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
- (L) CONCRETE SIDEWALK 5-INCH
- (M) 6" BASE AGGREGATE DENSE 1¼-INCH
- (N) CONCRETE GUTTER 24-INCH
- (O) CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
- (P) CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE



FINISHED TYPICAL SECTION
LACY ROAD

STA 14+30.11 TO STA 23+85.49
STA 31+51.07 TO STA 36+00.00
STA 65+72.50 TO STA 67+13.61
STA 73+70.07 TO STA 74+70.05

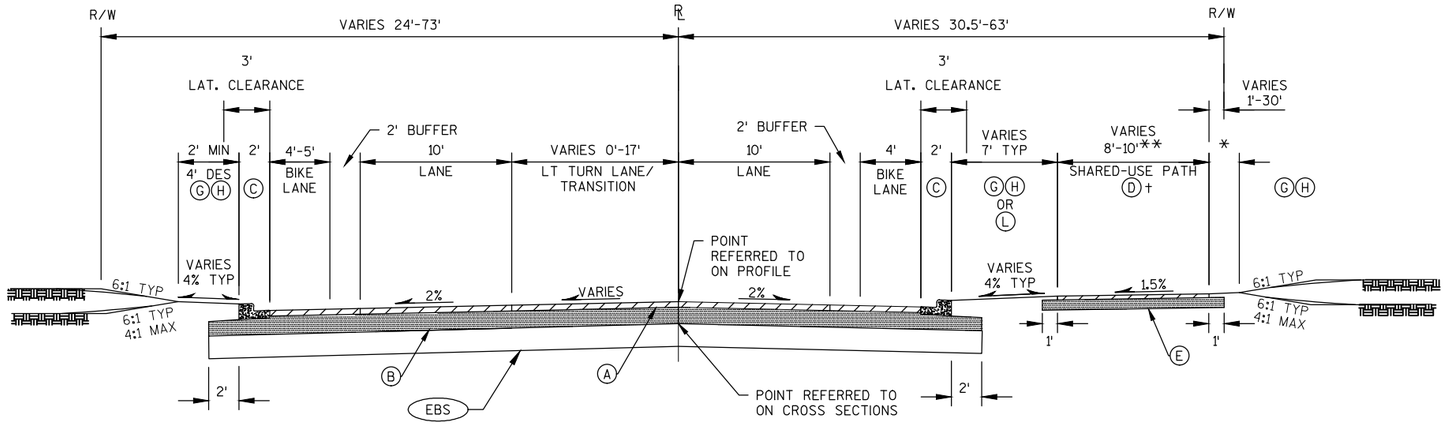
* WIDTH VARIES:
1' WHEN 6:1
2' WHEN 4:1

** 8' WIDTH
STA 11+34.36 - STA 27+00.00
STA 29+00.00 - STA 31+50.00

EBS EXCAVATION BELOW SUBGRADE
18" SELECT CRUSHED MATERIAL
STA 65+00 - STA 71+00

KEY

- (A) 2" HMA PAVEMENT 4 LT 58-28 S (UPPER)
  3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
- (B) 12" BASE AGGREGATE DENSE 1¼-INCH
- (C) CONCRETE CURB & GUTTER 24-INCH
- (D) 3" ASPHALTIC SURFACE
- (E) 8" BASE AGGREGATE DENSE 1¼-INCH
- (F) 5" BASE AGGREGATE DENSE ¾-INCH
- (G) 6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
- (H) SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- (I) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
- (J) CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
- (K) CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
- (L) CONCRETE SIDEWALK 5-INCH
- (M) 6" BASE AGGREGATE DENSE 1¼-INCH
- (N) CONCRETE GUTTER 24-INCH
- (O) CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
- (P) CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE



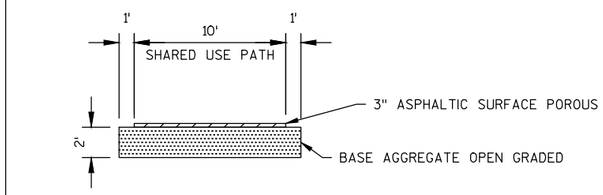
FINISHED TYPICAL SECTION
LACY ROAD

STA 13+82.70 TO STA 14+30.11
STA 23+85.49 TO STA 31+51.07
STA 43+59.19 TO STA 47+15.56
STA 48+65.08 TO STA 49+61.30
STA 52+72.36 TO STA 59+91.90
STA 64+18.32 TO STA 65+72.50
STA 67+13.61 TO STA 70+03.32
STA 71+50.00 TO STA 73+70.07

* WIDTH VARIES:
1' WHEN 6:1
2' WHEN 4:1

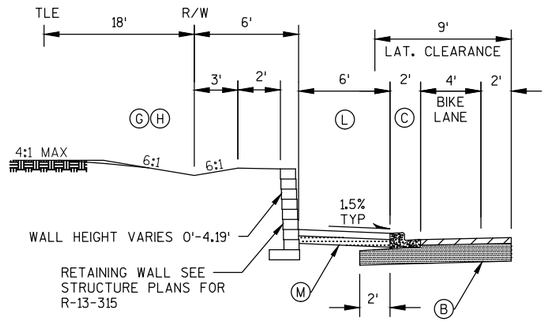
** 8' WIDTH
STA 11+34.36 - STA 27+00.00
STA 29+00.00 - STA 31+50.00

EBS EXCAVATION BELOW SUBGRADE
18" SELECT CRUSHED MATERIAL
STA 65+00 - STA 71+00



POROUS ASPHALT SHARED USE PATH

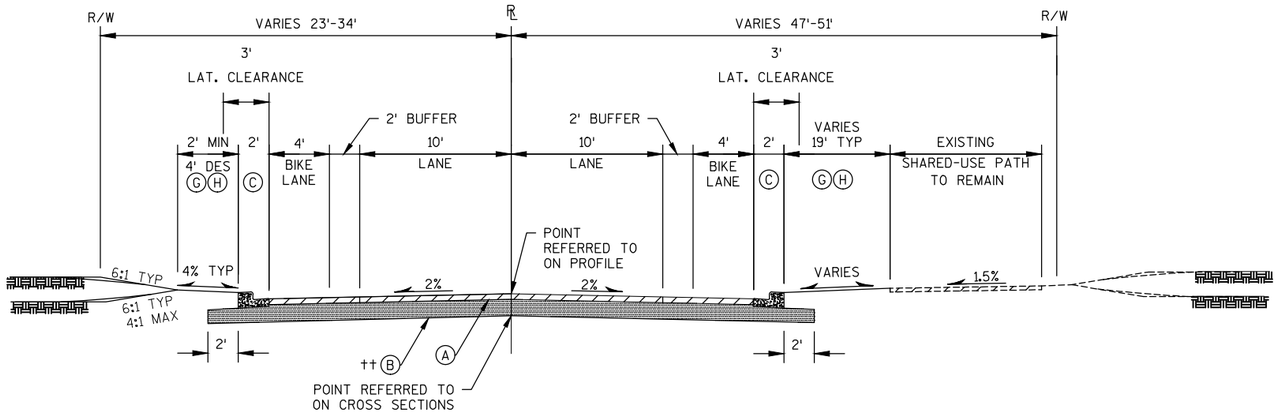
STA 60+68 TO STA 66+35 †
SEE CONSTRUCTION DETAIL



RETAINING WALL SECTION LEFT

STA 56+25.00 TO STA 58+25.41

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	TYPICAL SECTIONS	SHEET 7	E



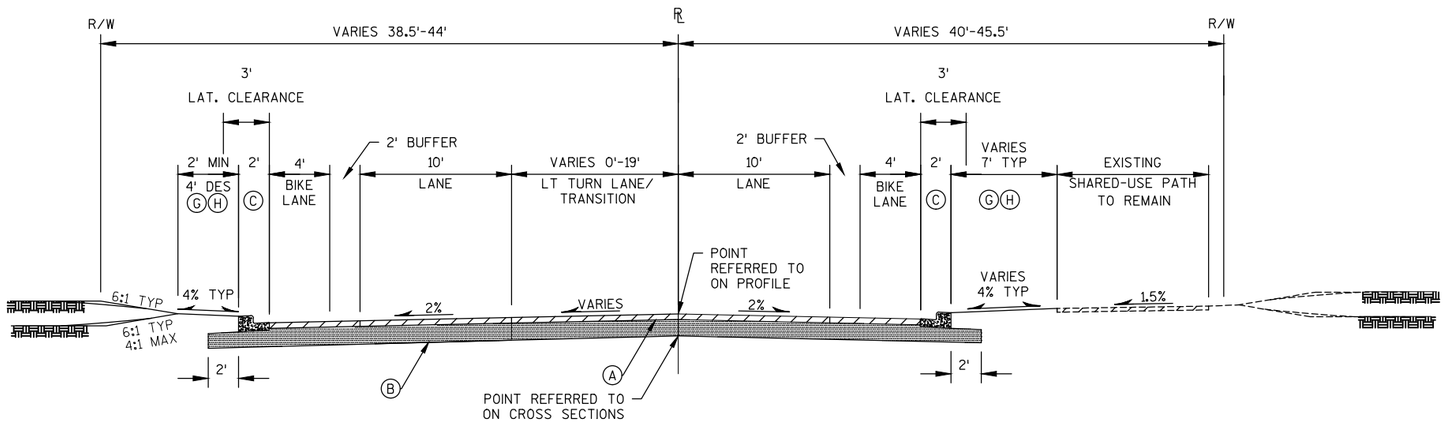
FINISHED TYPICAL SECTION
LACY ROAD

STA 36+00.00 TO STA 40+34.72

†† 18" SELECT CRUSHED MATERIAL
STA 38+00 - STA 40+00

KEY

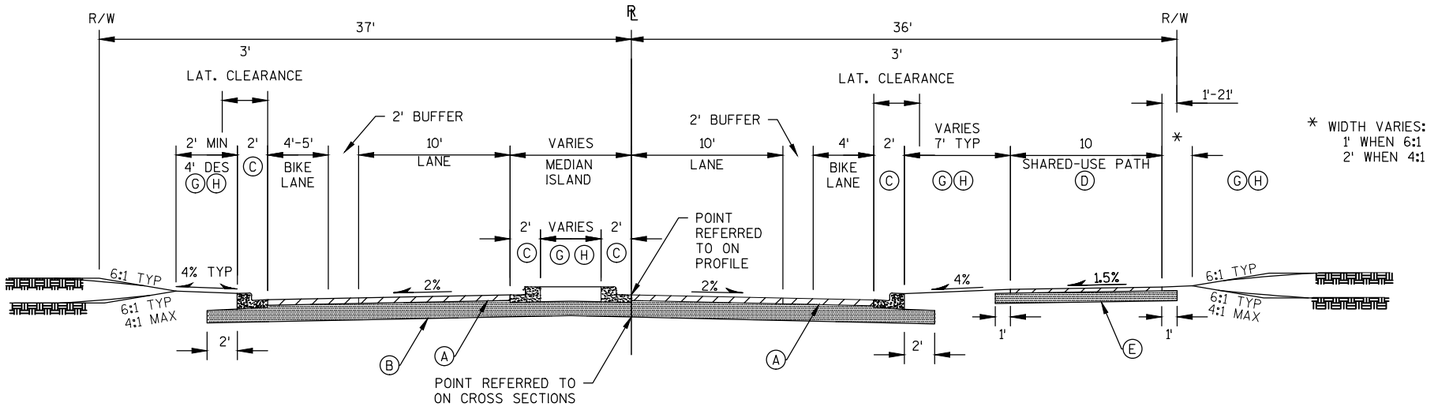
- (A) 2" HMA PAVEMENT 4 LT 58-28 S (UPPER)
  3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
- (B) 12" BASE AGGREGATE DENSE 1¼-INCH
- (C) CONCRETE CURB & GUTTER 24-INCH
- (D) 3" ASPHALTIC SURFACE
- (E) 8" BASE AGGREGATE DENSE 1¼-INCH
- (F) 5" BASE AGGREGATE DENSE ¾-INCH
- (G) 6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
- (H) SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- (I) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
- (J) CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
- (K) CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
- (L) CONCRETE SIDEWALK 5-INCH
- (M) 6" BASE AGGREGATE DENSE 1¼-INCH
- (N) CONCRETE GUTTER 24-INCH
- (O) CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
- (P) CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE



FINISHED TYPICAL SECTION
LACY ROAD

STA 74+70.05 TO STA 78+75.00

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E

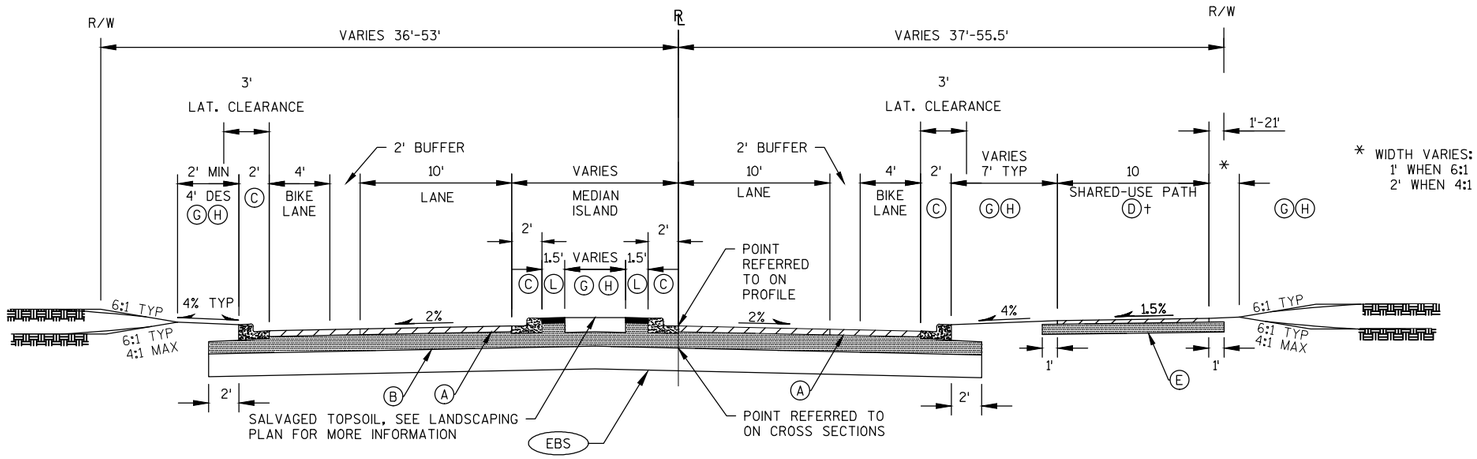


FINISHED TYPICAL SECTION
LACY ROAD

STA 49+61.30 TO STA 52+72.36

KEY

- (A) 2" HMA PAVEMENT 4 LT 58-28 S (UPPER)
  3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
- (B) 12" BASE AGGREGATE DENSE 1¼-INCH
- (C) CONCRETE CURB & GUTTER 24-INCH
- (D) 3" ASPHALTIC SURFACE
- (E) 8" BASE AGGREGATE DENSE 1¼-INCH
- (F) 5" BASE AGGREGATE DENSE ¾-INCH
- (G) 6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
- (H) SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- (I) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
- (J) CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
- (K) CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
- (L) CONCRETE SIDEWALK 5-INCH
- (M) 6" BASE AGGREGATE DENSE 1¼-INCH
- (N) CONCRETE GUTTER 24-INCH
- (O) CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
- (P) CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE



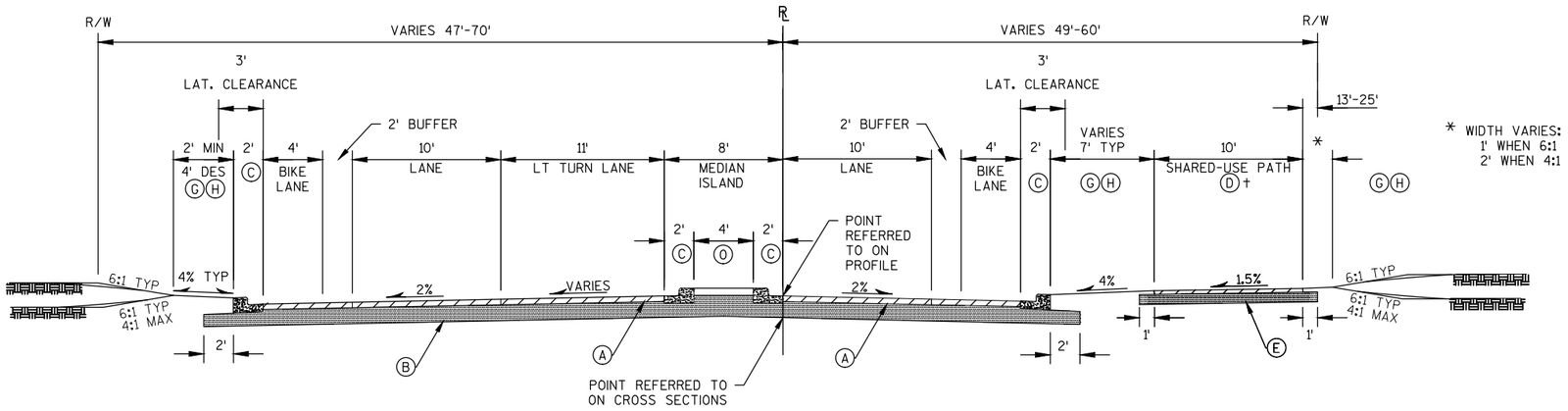
FINISHED TYPICAL SECTION
LACY ROAD

STA 61+87.44 TO STA 64+18.32
STA 70+03.32 TO STA 71+50.00

EBS EXCAVATION BELOW SUBGRADE
18" SELECT CRUSHED MATERIAL
STA 65+00 - STA 71+00

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020305_TS-FINISHED
PLOT DATE : 10/26/2016 4:07 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



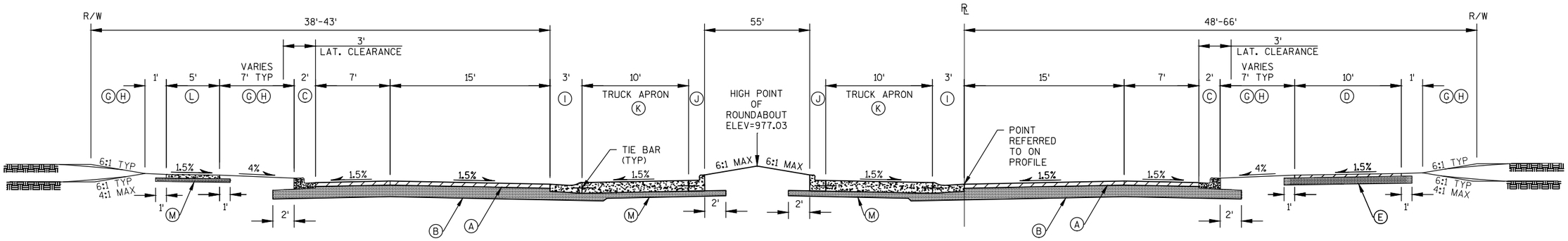
FINISHED TYPICAL SECTION

LACY ROAD

STA 59+91.90 TO STA 61+87.44 †

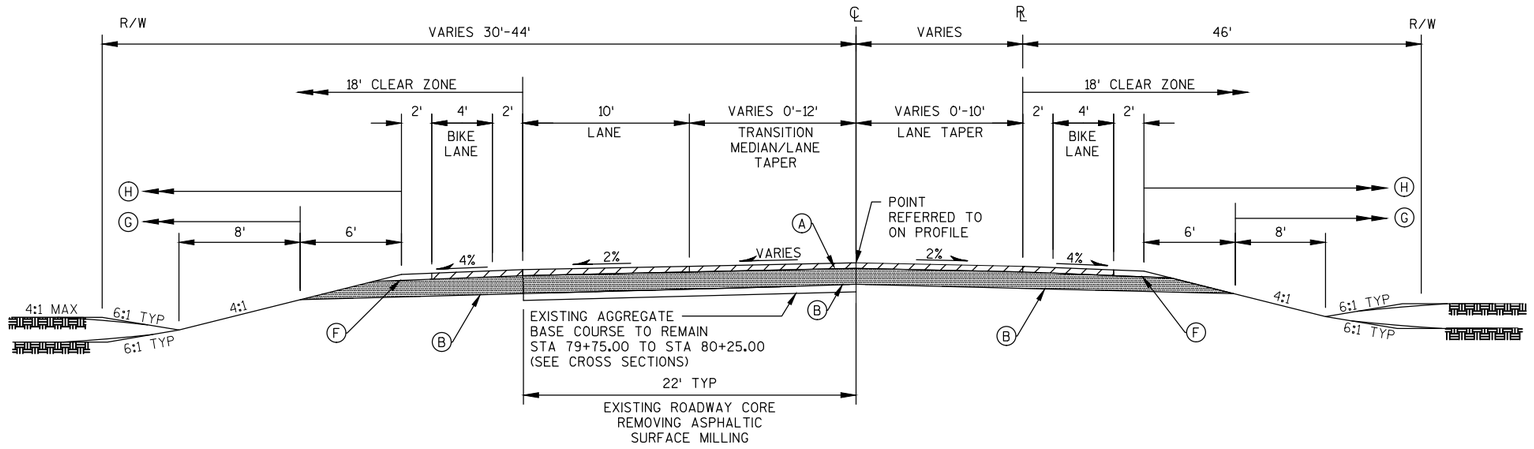
KEY

(A)	2" HMA PAVEMENT 4 LT 58-28 S (UPPER) 3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
(B)	12" BASE AGGREGATE DENSE 1¼-INCH
(C)	CONCRETE CURB & GUTTER 24-INCH
(D)	3" ASPHALTIC SURFACE
(E)	8" BASE AGGREGATE DENSE 1¼-INCH
(F)	5" BASE AGGREGATE DENSE ¾-INCH
(G)	6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
(H)	SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
(I)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
(J)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
(K)	CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
(L)	CONCRETE SIDEWALK 5-INCH
(M)	6" BASE AGGREGATE DENSE 1¼-INCH
(N)	CONCRETE GUTTER 24-INCH
(O)	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
(P)	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE



FINISHED TYPICAL SECTION
LACY ROAD

STA 10+00.00'RAB' TO STA 14+02.12'RAB'



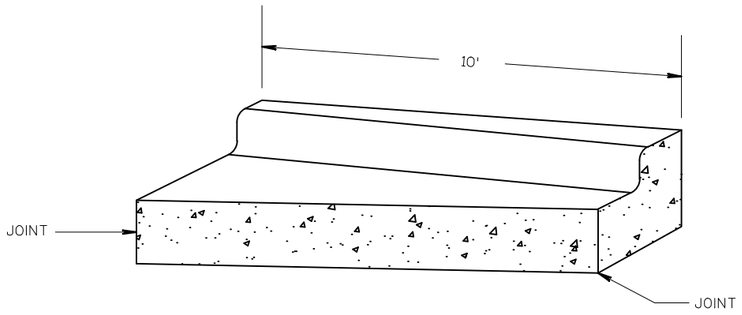
FINISHED TYPICAL SECTION
LACY ROAD

STA 78+75.00 TO STA 80+25.00

KEY

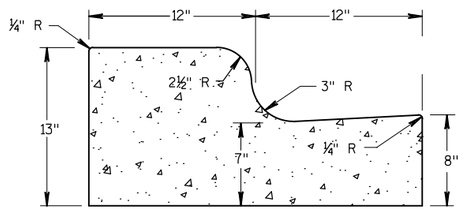
- (A) 2" HMA PAVEMENT 4 LT 58-28 S (UPPER)
  3" HMA PAVEMENT 3 LT 58-28 S (LOWER)
- (B) 12" BASE AGGREGATE DENSE 1¼-INCH
- (C) CONCRETE CURB & GUTTER 24-INCH
- (D) 3" ASPHALTIC SURFACE
- (E) 8" BASE AGGREGATE DENSE 1¼-INCH
- (F) 5" BASE AGGREGATE DENSE ¾-INCH
- (G) 6" SALVAGED TOPSOIL, EROSION MAT AS NEEDED
- (H) SEEDING (MIXTURE NO 40 OR LOW-GROW/NO-MOW SEED MIX), SEEDING TEMPORARY AND FERTILIZER TYPE B. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- (I) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
- (J) CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
- (K) CONCRETE TRUCK APRON 12-INCH/COLORING CONCRETE WISDOT RED
- (L) CONCRETE SIDEWALK 5-INCH
- (M) 6" BASE AGGREGATE DENSE 1¼-INCH
- (N) CONCRETE GUTTER 24-INCH
- (O) CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE
- (P) CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E

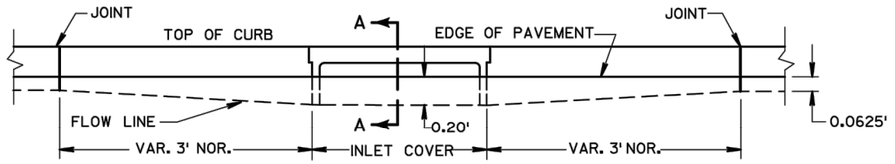


DETAIL OF TRANSITION

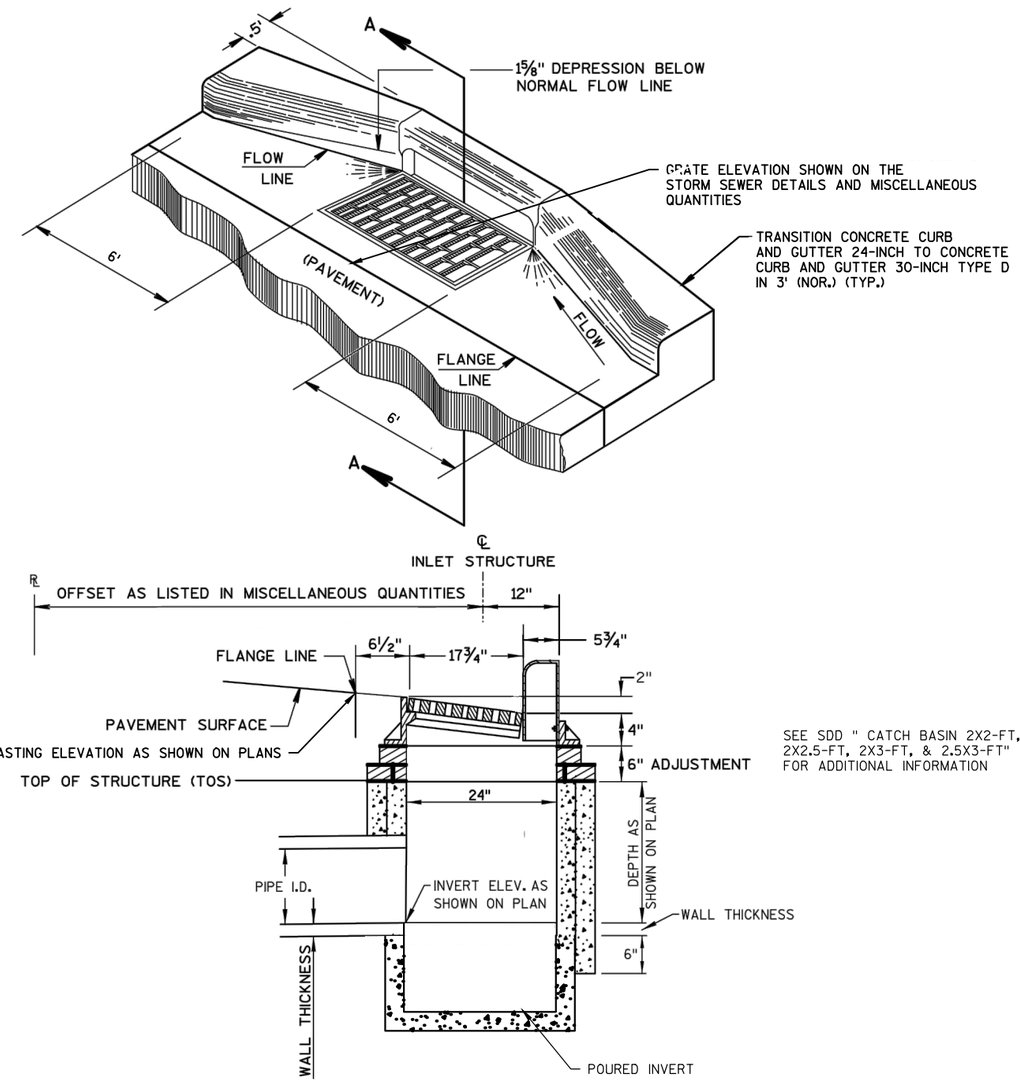
CONCRETE CURB & GUTTER 30-INCH TYPE D TO CONCRETE CURB & GUTTER 24-INCH (1' HEAD)
TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER 24-INCH



CONCRETE CURB & GUTTER 24-INCH



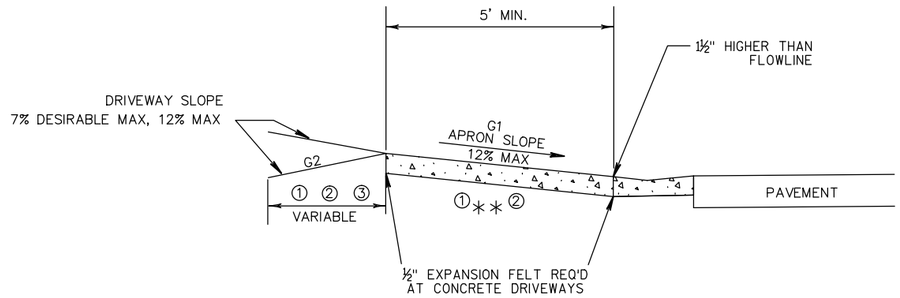
ELEVATION



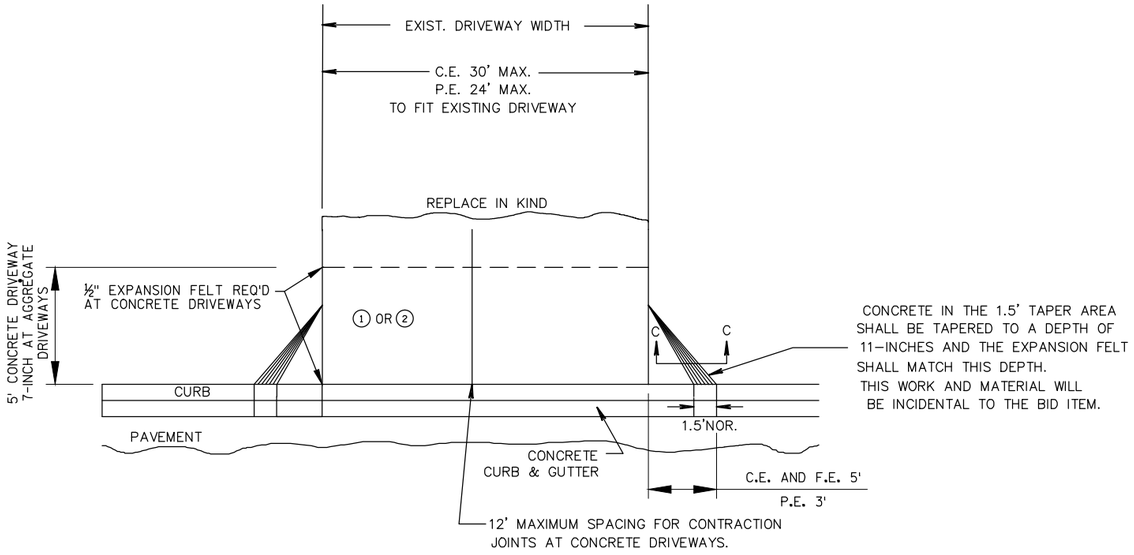
SEE SDD " CATCH BASIN 2X2-FT,
2X2.5-FT, 2X3-FT, & 2.5X3-FT"
FOR ADDITIONAL INFORMATION

SECTION A-A
(CATCH BASIN 2X3-FT - H SHOWN)

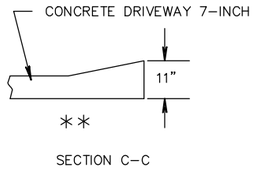
DETAIL OF CONCRETE CURB & GUTTER 24-INCH AT CATCH BASINS



DETAIL OF TYPICAL DRIVEWAY SECTION



PLAN VIEW



DRIVEWAY ENTRANCE DETAIL

** = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE OR ASPHALT

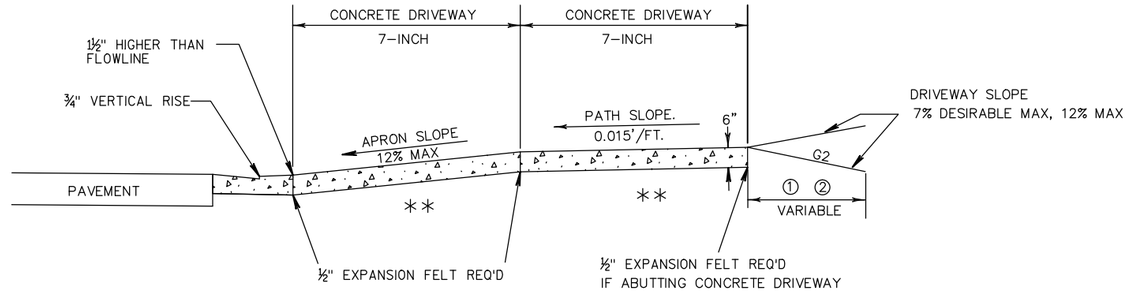
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

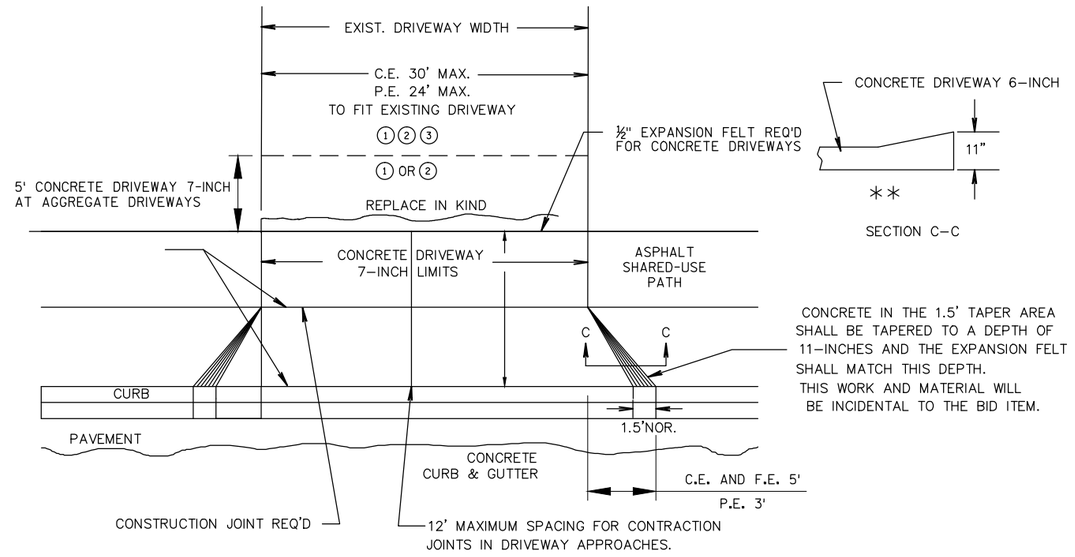
① CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 7-INCH/4" BASE AGGREGATE DENSE 1¼-INCH

② ASPHALT DRIVEWAYS
3" ASPHALTIC SURFACE DRIVEWAYS/8" BASE AGGREGATE DENSE 1¼-INCH

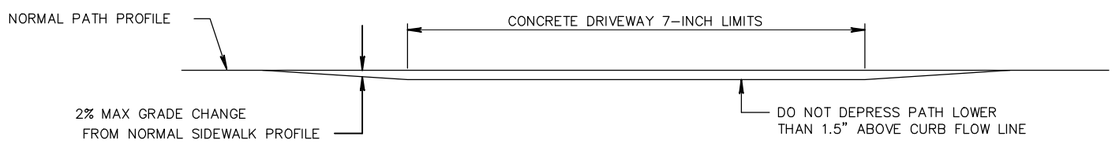
③ 6" BASE AGGREGATE DENSE 1¼-INCH AND ¾-INCH



DETAIL OF TYPICAL PATH SECTION



PLAN VIEW



DETAIL OF DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH PATH

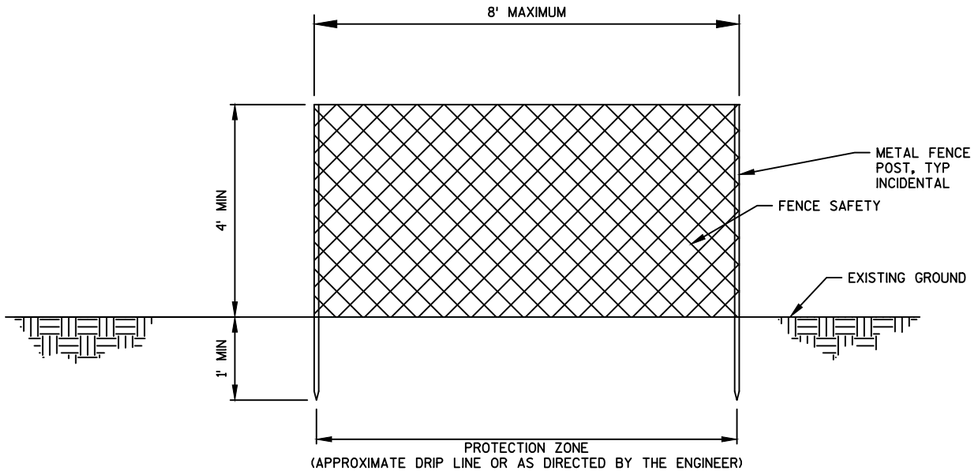
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 13	E

2

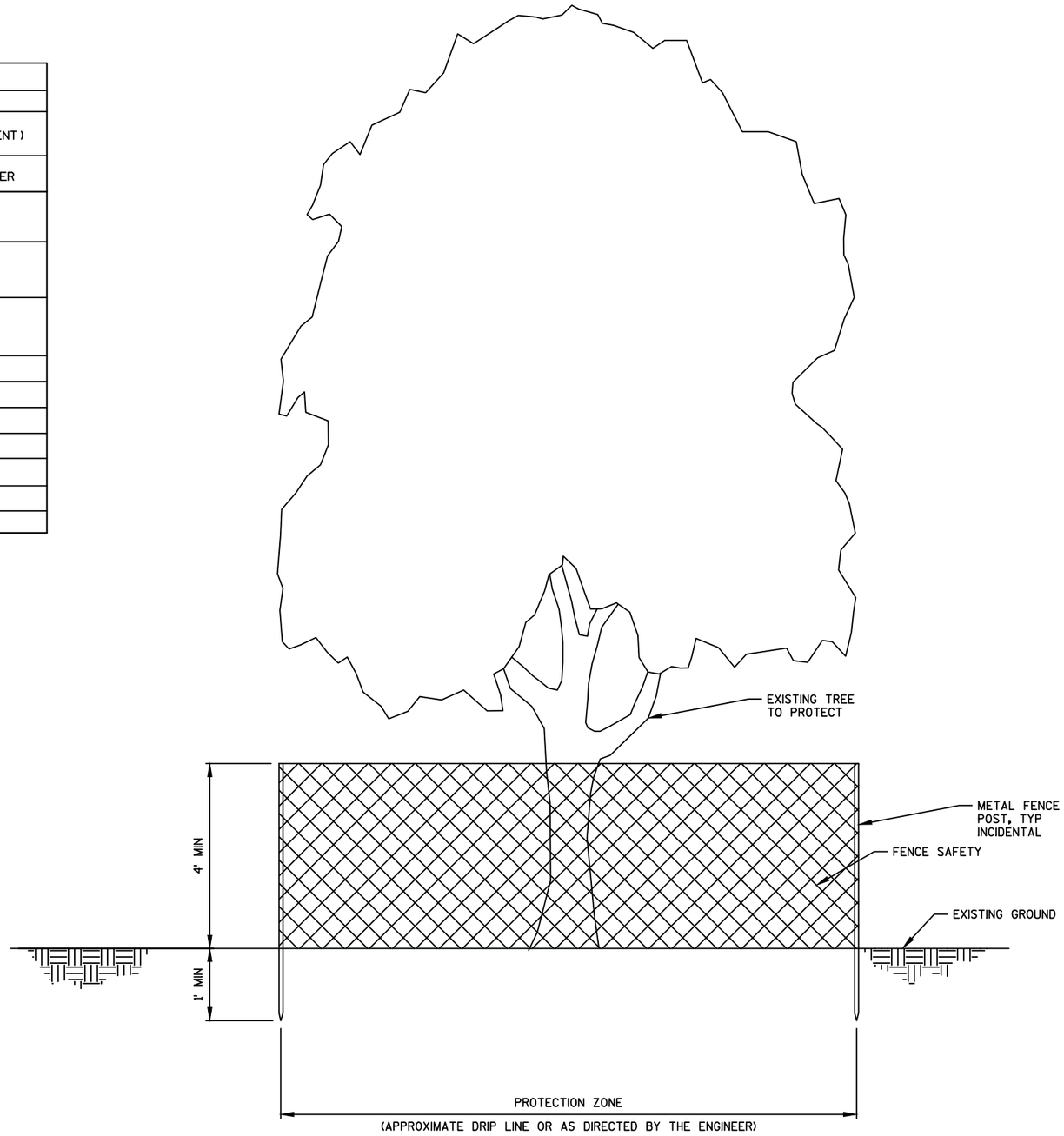
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

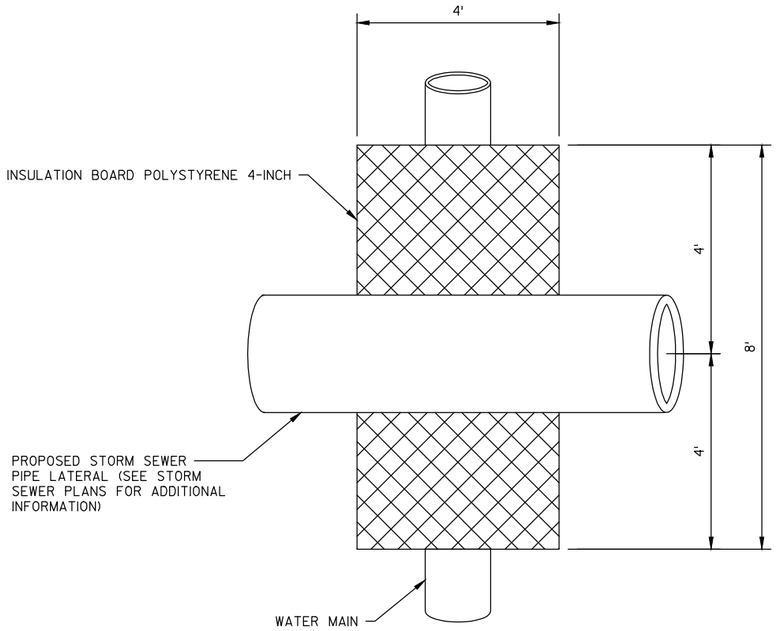
TOTAL PROJECT AREA = ____13____ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = ___13___ACRES

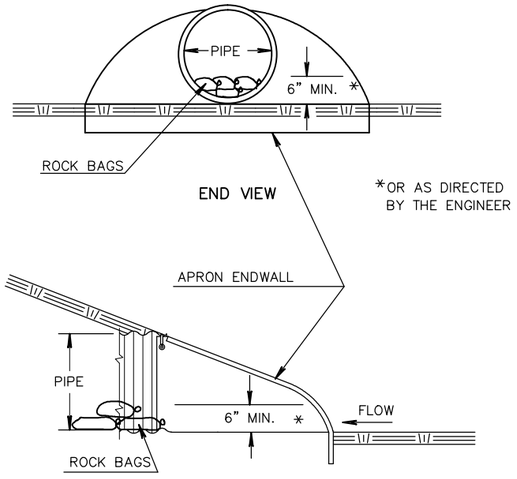


LANDSCAPE PROTECTION

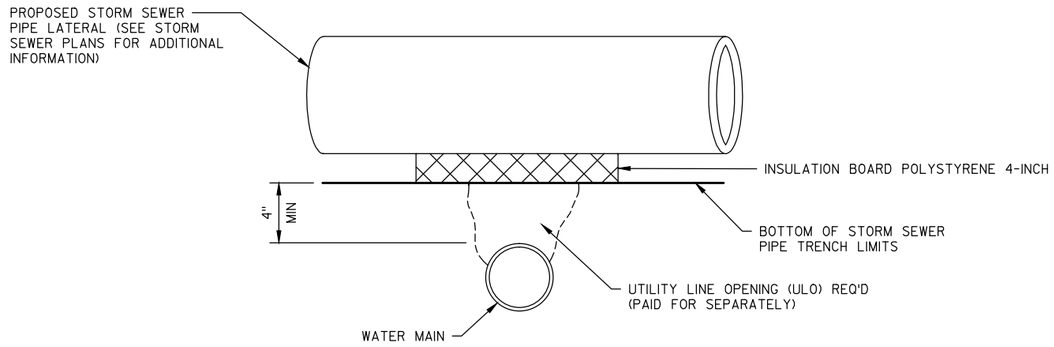


TREE PROTECTION



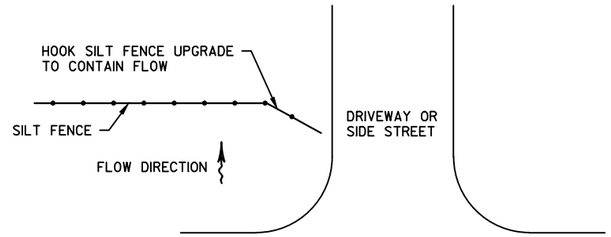


CULVERT PIPE CHECK

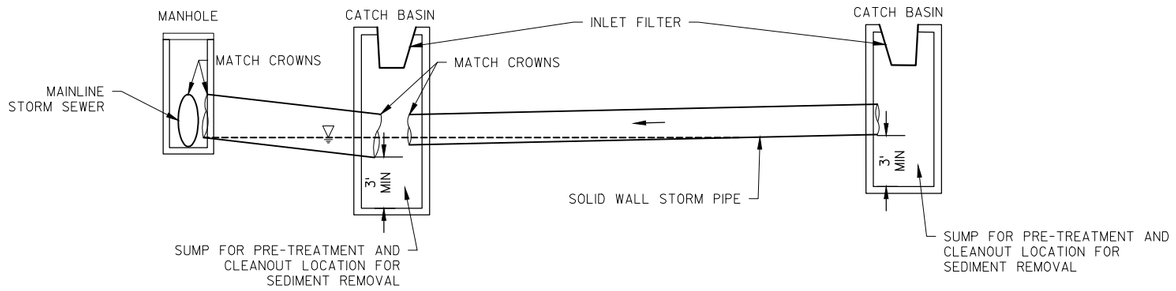


INSULATION BOARD POLYSTYRENE DETAIL
(STORM SEWER CROSSING OF WATER MAIN WITH LESS THAN 3-FEET OF CLEAR VERTICAL DISTANCE)

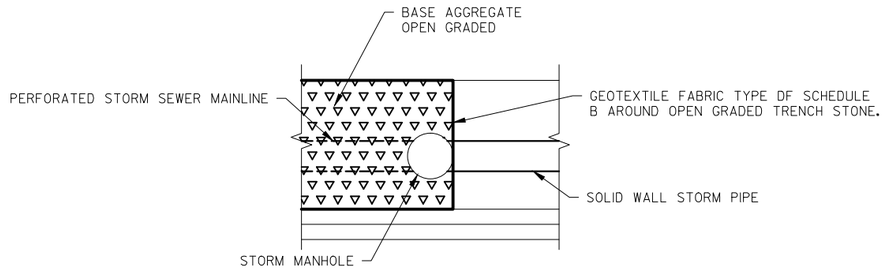
NOTE: REFER TO STORM SEWER PLANS AND MISCELLANEOUS QUANITIES FOR ADDITIONAL INFORMATION)



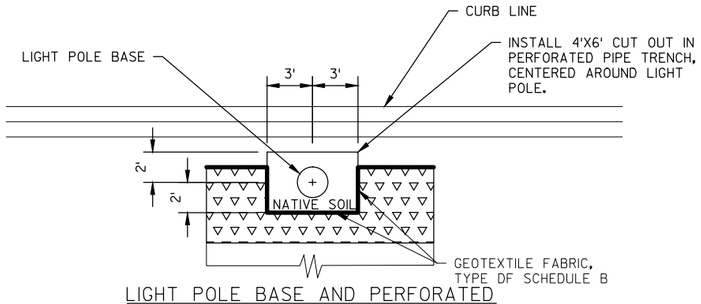
SILT FENCE



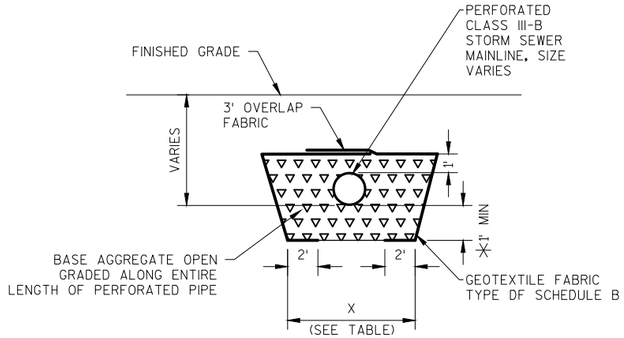
STORMWATER PRETREATMENT
PROFILE DETAIL



MANHOLE AT END OF TRENCH DETAIL
PLAN VIEW



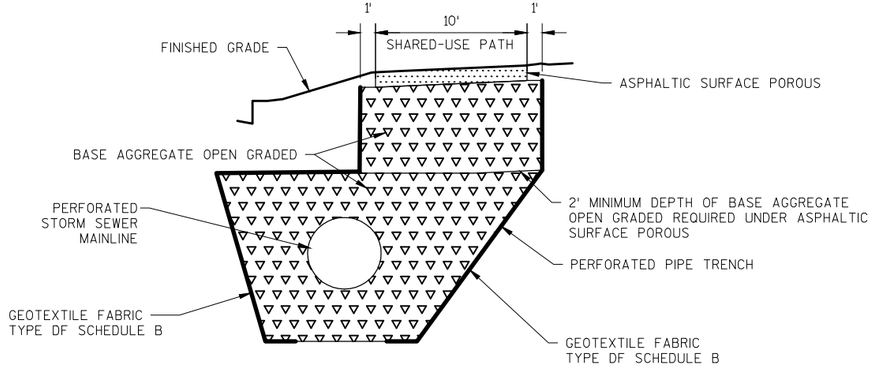
LIGHT POLE BASE AND PERFORATED
PIPE INTERACTION DETAIL
PLAN VIEW



STA	PERFORATED PIPE SIZE (INCHES)	TRENCH WIDTH (X) (FT)
12+63-18+35	18	10
32+00-40+35	18	14
47+00-48+60	24	14
49+70-55+49	24	14
61+00-66+20	24	14
73+99-80+68	42	10
0+20-4+60	42	10

* EXCAVATE TO SAND LAYER. MAY REQUIRE ADDITIONAL EXCAVATION, INCIDENTAL TO PERFORATED PIPE & TRENCH BID ITEM. MAX DEPTH 1.5' ALL TRENCH EXCEPT FROM STRUCTURE 37.0 TO STRUCTURE 39.0 MAX DEPTH=2.0'

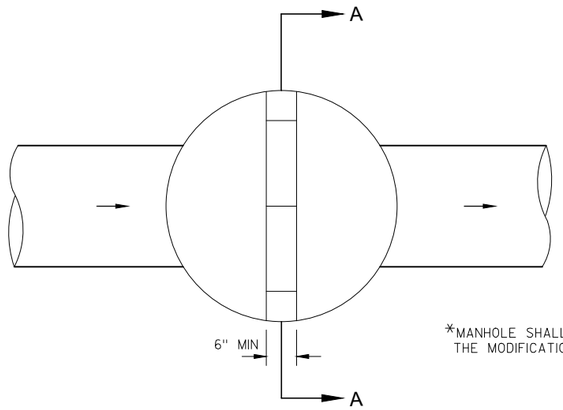
PERFORATED PIPE AND TRENCH DETAIL



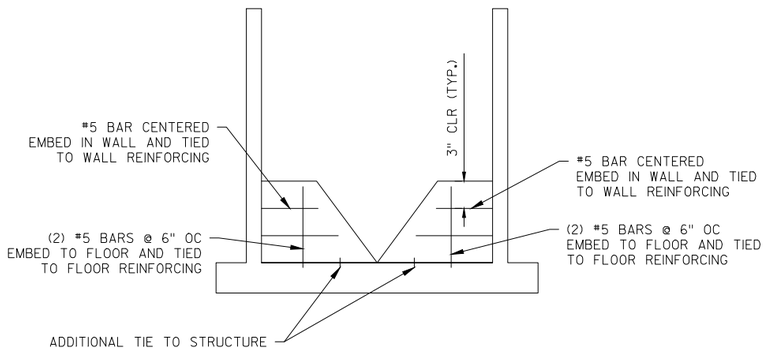
POROUS ASPHALT SHARED USE PATH
AND
PERFORATED PIPE TRENCH
INTERACTION DETAIL
STA 60+68 TO STA 66+35

STORM SEWER PIPE CLASS III-B PERFORATED WITH TRENCH

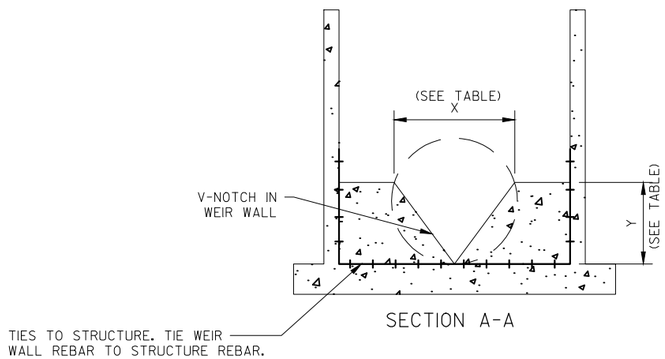
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CONSTRUCTION DETAILS	SHEET 16	E



*MANHOLE SHALL FOLLOW SDD 8B9 WITH THE MODIFICATIONS AS SHOWN HERE.



REBAR STEEL IN WEIR WALL, SPACING OF TIES



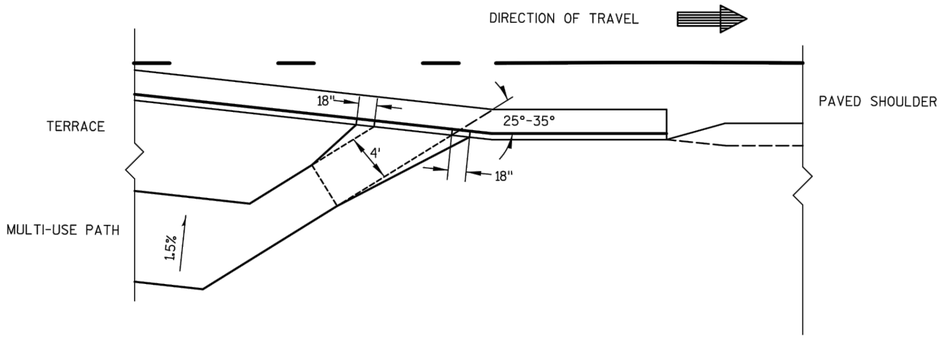
SECTION A-A

STA	STRUCTURE	X (FT)	Y (FT)	TYPE
12+63	11.0	2	2	MANHOLE 4-FOOT DIAMETER, SPECIAL
16+40	13.0	1.5	1.5	MANHOLE 4-FOOT DIAMETER, SPECIAL
55+49	31.0	2	2	MANHOLE 5-FOOT DIAMETER, SPECIAL

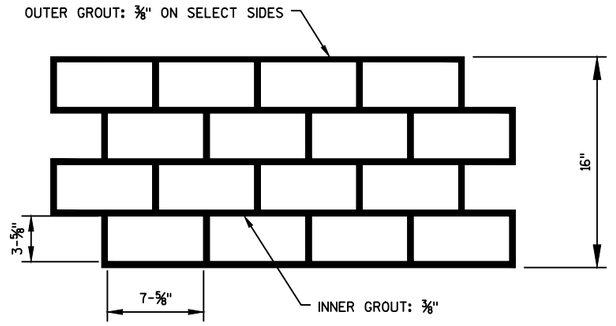
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH REINFORCING OF WEIR WALL AND STRUCTURE.

MANHOLE 4-FOOT DIAMETER, SPECIAL
MANHOLE 5-FOOT DIAMETER, SPECIAL

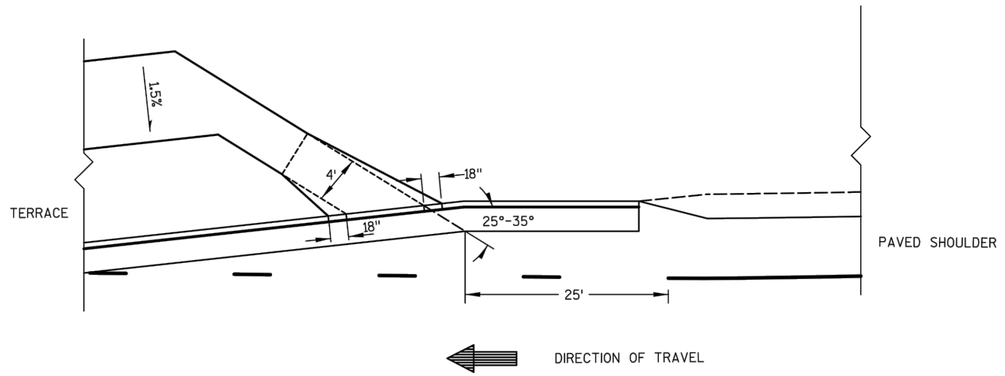
2



BIKE RAMP ENTRANCE

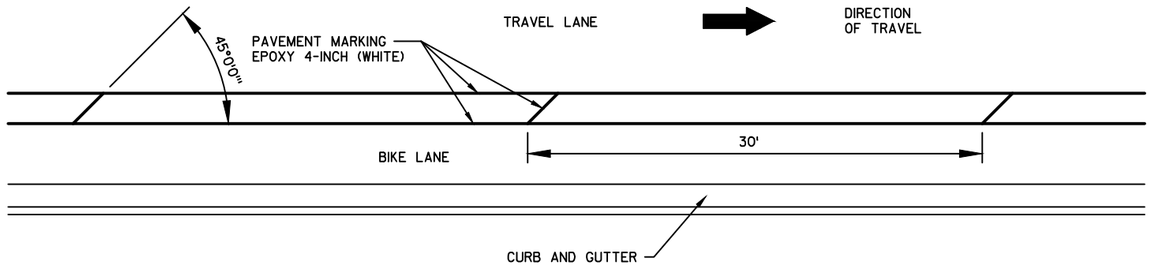


BRICK PATTERN FOR STAMPED CONCRETE

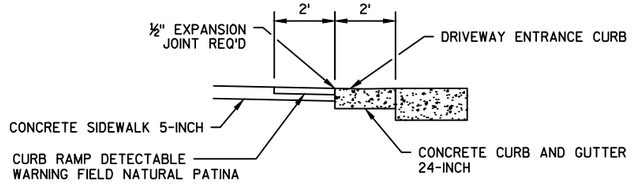


BIKE RAMP EXIT

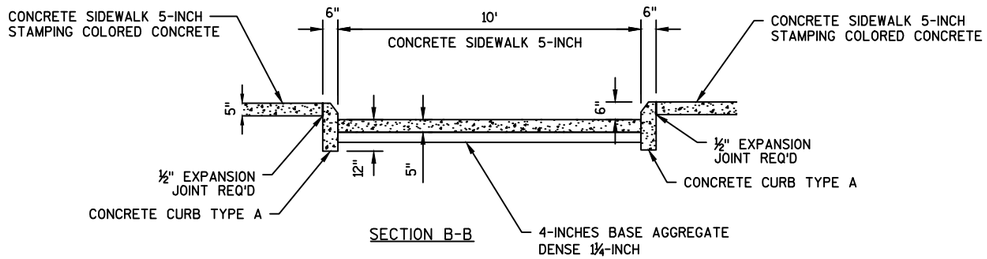
BIKE RAMP ENTRANCE AND EXIT



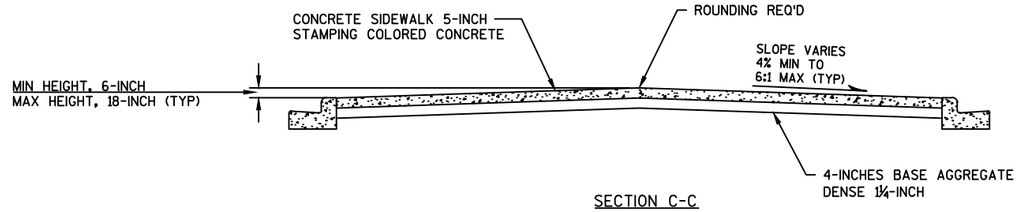
BIKE LANE BUFFER
PAVEMENT MARKING DETAIL



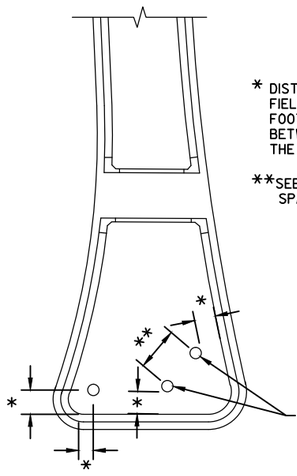
SECTION A-A



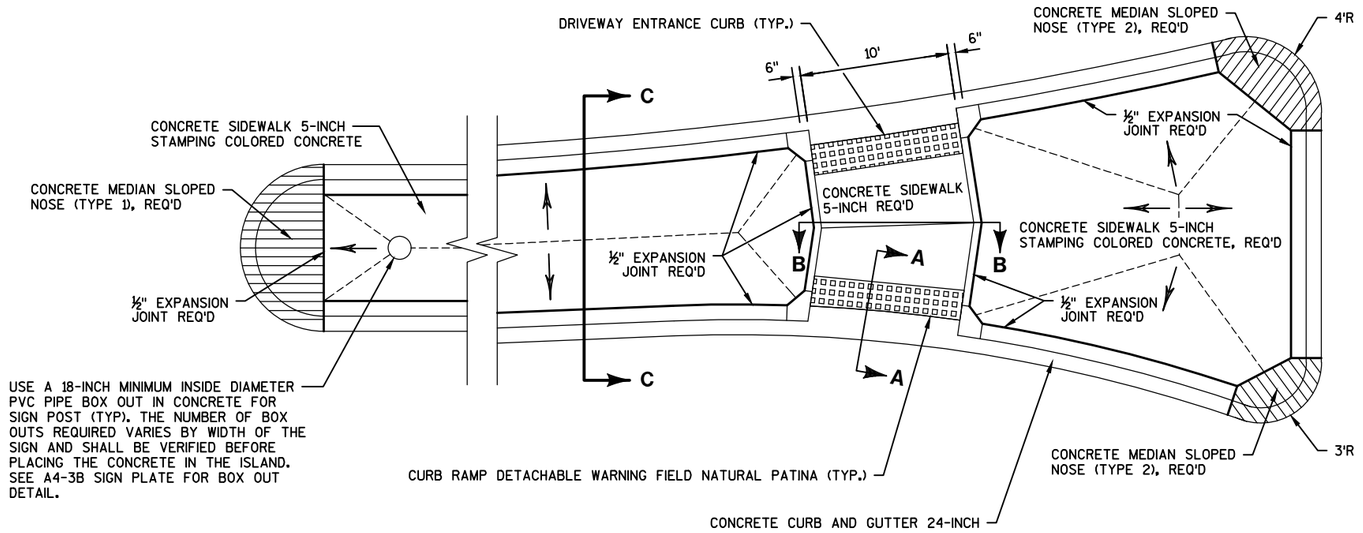
SECTION B-B



SECTION C-C



CENTER AND SPLITTER ISLAND SIGN LOCATION DETAIL (TYP)

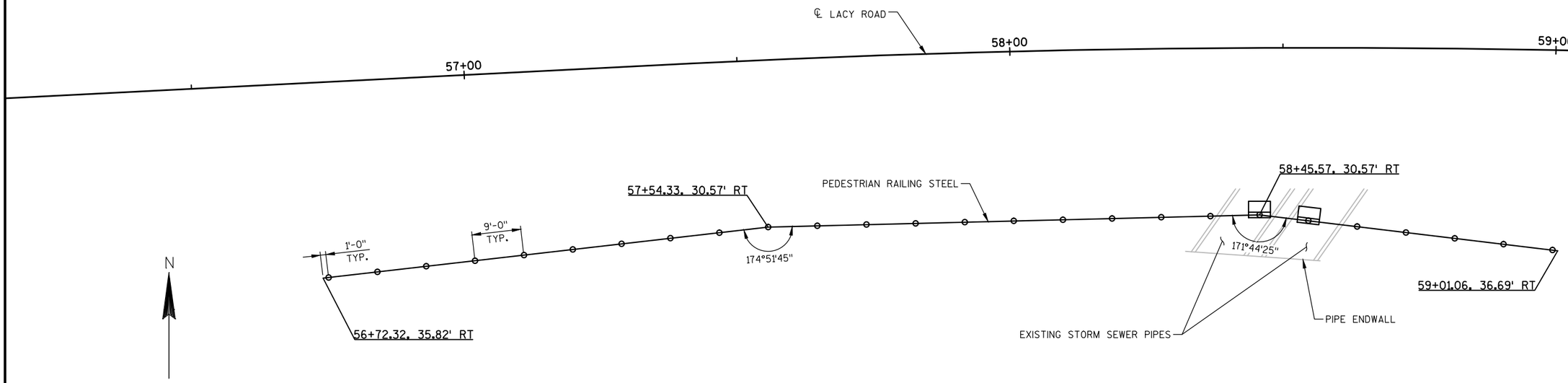


SPLITTER ISLAND DETAIL

2

LEGEND

- CONCRETE SHAFT FOUDATION
- MOMENT SLAB FOUNDATION

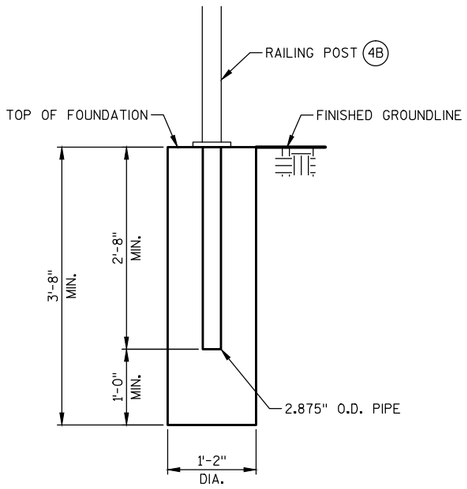


RAILING & POST LAYOUT PLAN

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PEDESTRIAN RAILING LAYOUT SHEET	SHEET 20	E

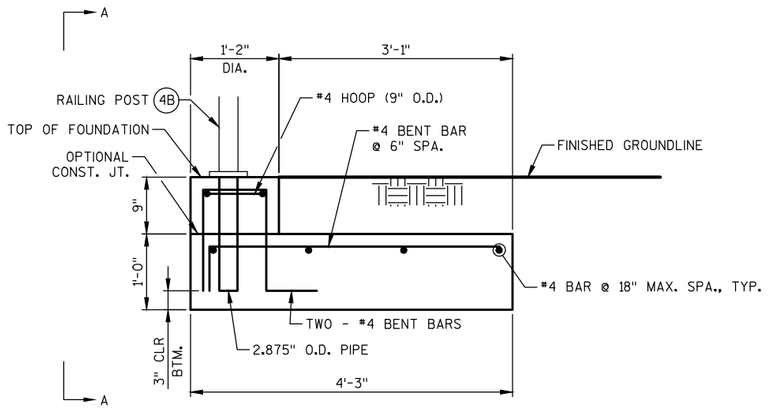
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021008_CD-STRUCTURE.DWG
LAYOUT NAME - 021010_CD-LAYOUT

PLOT DATE : 10/17/2016 3:52 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT



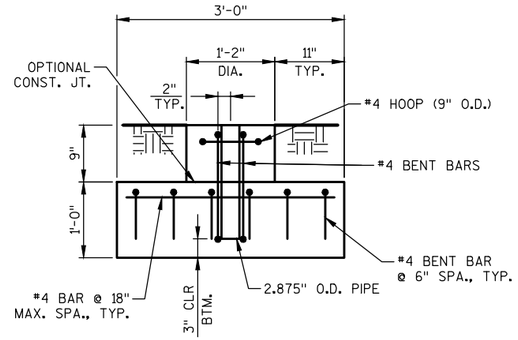
CONCRETE SHAFT FOUNDATION

POST ANCHORAGE NOT SHOWN



MOMENT SLAB FOUNDATION

POST ANCHORAGE NOT SHOWN



MOMENT SLAB - SECTION A-A

POST ANCHORAGE NOT SHOWN

NOTES:

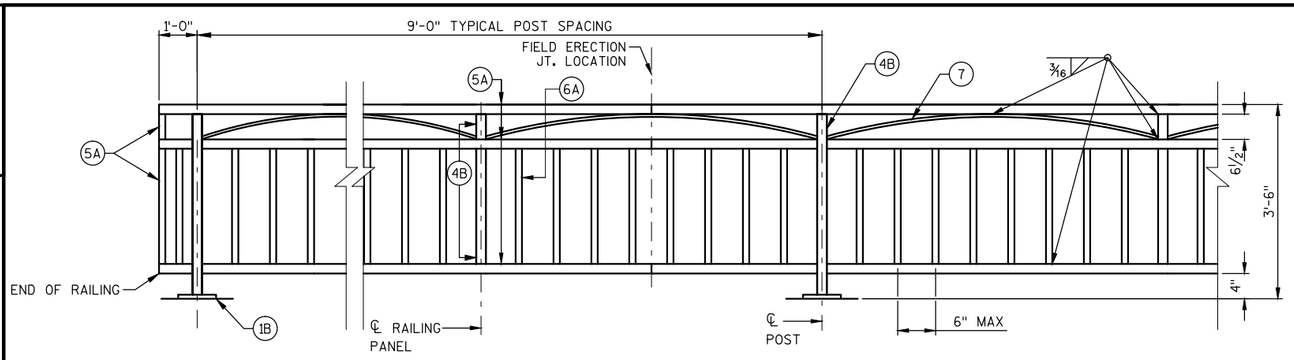
ALL CONCRETE TO HAVE F'C = 3500 PSI.

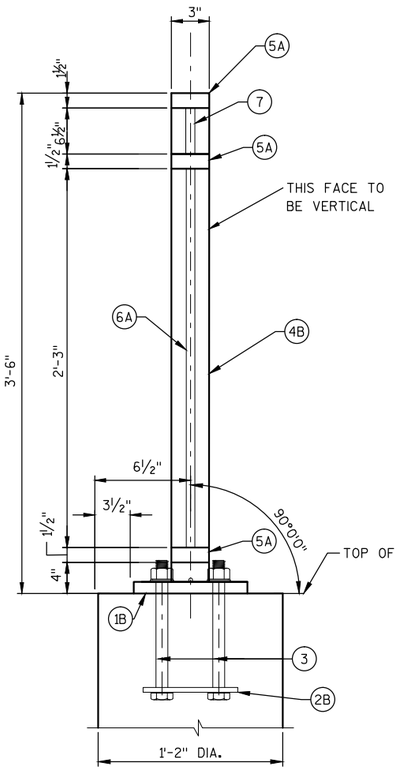
ALL REINFORCEMENT TO HAVE FY = 60 KSI.

ALL REINFORCEMENT SHALL HAVE 2" MINIMUM CLEAR COVER UNLESS OTHERWISE NOTED.

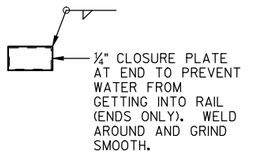
COST FOR CONCRETE, REINFORCEMENT AND ENCASED PIPE SHALL BE INCIDENTAL TO THE BID ITEM "PEDESTRIAN RAILING STEEL".

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PEDESTRIAN RAILING FOUNDATION DETAILS	SHEET 21	E

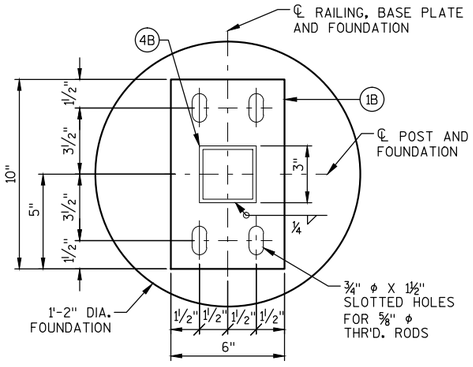




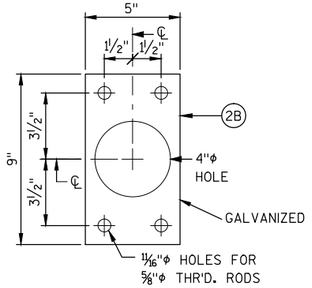
SECTION THRU RAILING



CLOSURE PLUG DETAILS



TYPICAL RAIL POST BASE PLATE
FOR 3" X 3" X 3/16" POSTS (4B)



ANCHOR PLATE
FOR 3" X 3" X 3/16" POSTS (4B)

NOTES

BID ITEM SHALL BE "PEDESTRIAN RAILING STEEL", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN, AND PAINTING.

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 CUTS.

ALL PLATES BARS AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF PLATE NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

VENT HOLES SHALL BE DRILLED IN RAIL MEMBERS AND POSTS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 14090.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

◓ PLASTIC WASHERS USED TO SEPARATE S.S. WASHER & GALV. STL. ANCHOR PLATE

LEGEND

(1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES.

(2B) 1/4" X 5" X 9" ANCHOR PLATE WITH 11/16 " ϕ HOLES FOR THR'D. RODS NO. 3

(3) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5/8-INCH. EMBED 7" IN CONCRETE FOR ALL RAIL POSTS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16" POSTS. PLACE VERTICAL. WELD TO NO. 1 & NO. 5.

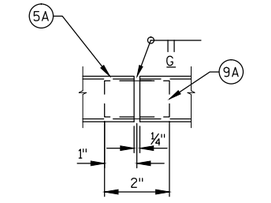
(5A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION AND EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. SPACE AT 6" MAX. ℄ TO ℄ SPACING. PLACE VERTICAL.

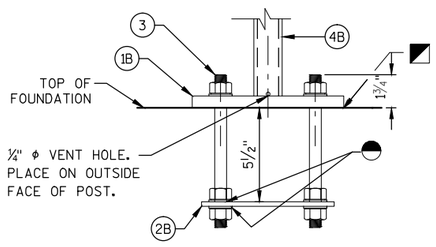
(7) BAR 1" X 1", BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

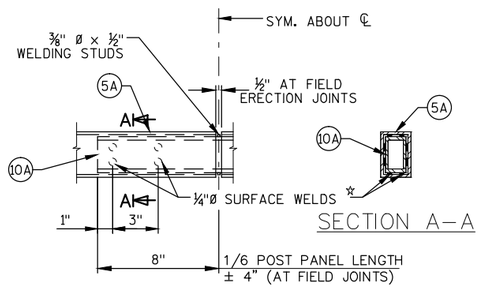
(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" LONG @ FIELD ERECTION JTS.)



SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)

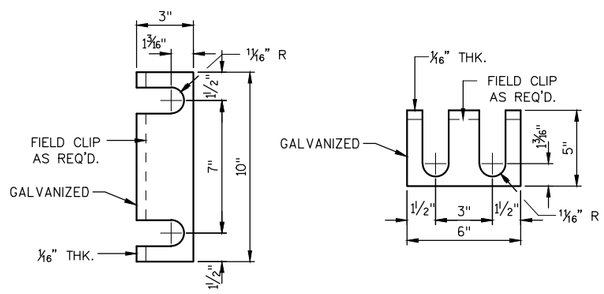


ANCHORAGE FOR RAIL POSTS
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



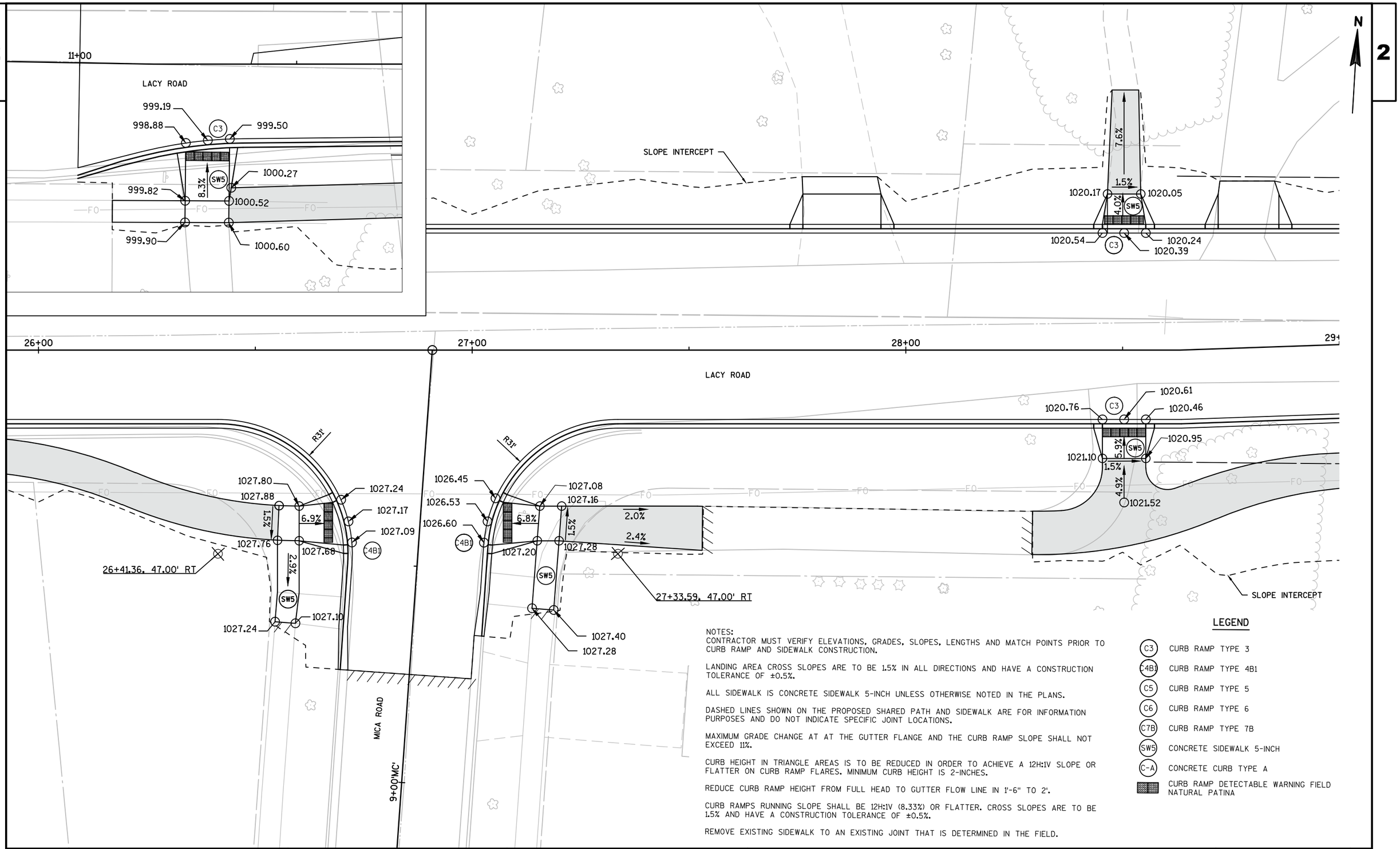
SECTION A–A

FIELD ERECTION JOINT DETAIL
☆MIN. 5/8" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



RAIL POST SHIM DETAIL
(2 SETS PER POST)

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PEDESTRIAN RAILING DETAILS	SHEET 22	E



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

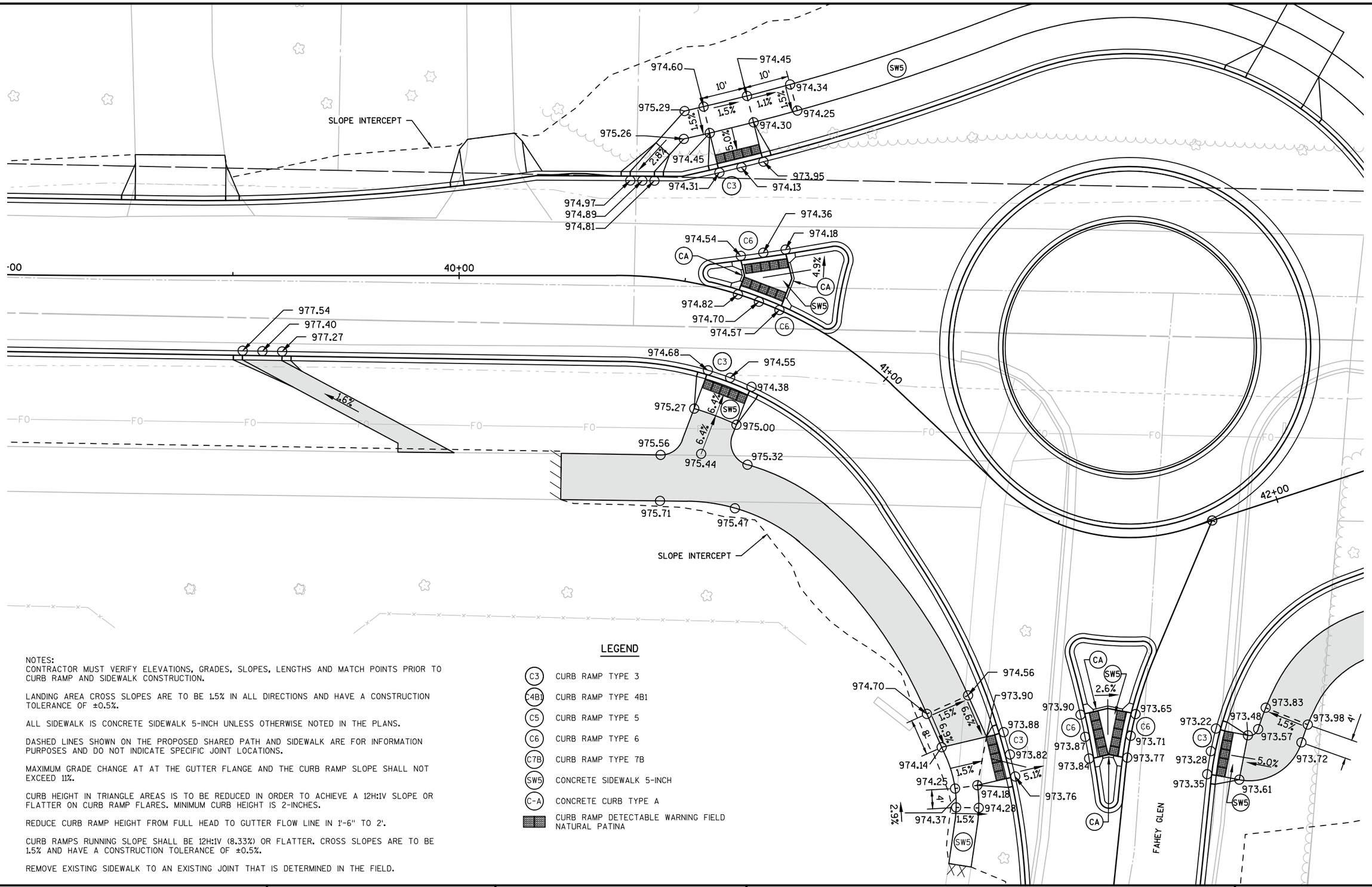
CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- C3 — CURB RAMP TYPE 3
- C4B1 — CURB RAMP TYPE 4B1
- C5 — CURB RAMP TYPE 5
- C6 — CURB RAMP TYPE 6
- C7B — CURB RAMP TYPE 7B
- SW5 — CONCRETE SIDEWALK 5-INCH
- C-A — CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - MICA ROAD	SHEET 23	E



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

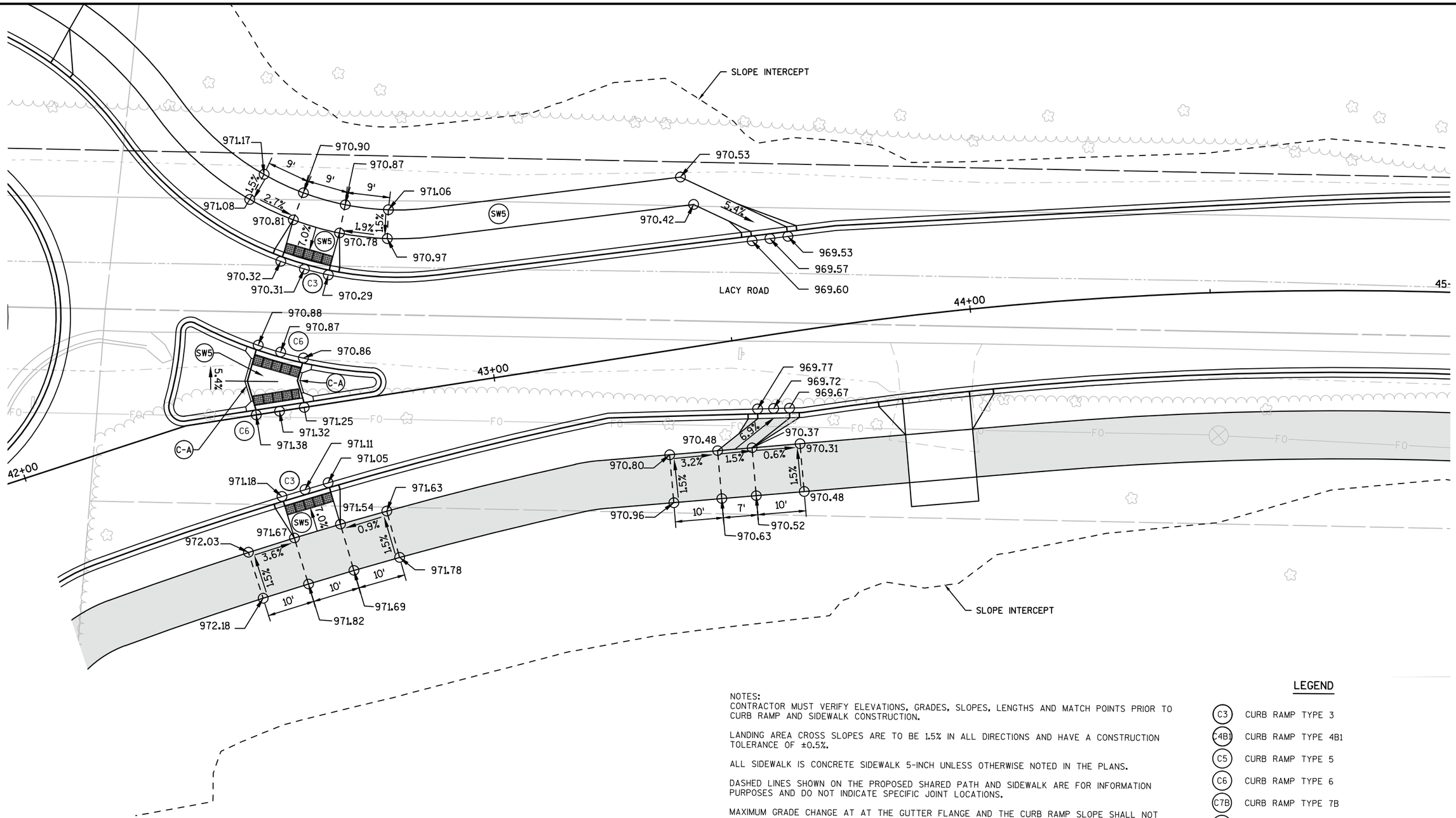
CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- (C3) CURB RAMP TYPE 3
- (C4B1) CURB RAMP TYPE 4B1
- (C5) CURB RAMP TYPE 5
- (C6) CURB RAMP TYPE 6
- (C7B) CURB RAMP TYPE 7B
- (SW5) CONCRETE SIDEWALK 5-INCH
- (C-A) CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - FAHEY GLEN (WEST)	SHEET 24	E



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- C3 — CURB RAMP TYPE 3
- C4B1 — CURB RAMP TYPE 4B1
- C5 — CURB RAMP TYPE 5
- C6 — CURB RAMP TYPE 6
- C7B — CURB RAMP TYPE 7B
- SW5 — CONCRETE SIDEWALK 5-INCH
- C-A — CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - FAHEY GLEN (EAST)	SHEET 25	E

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

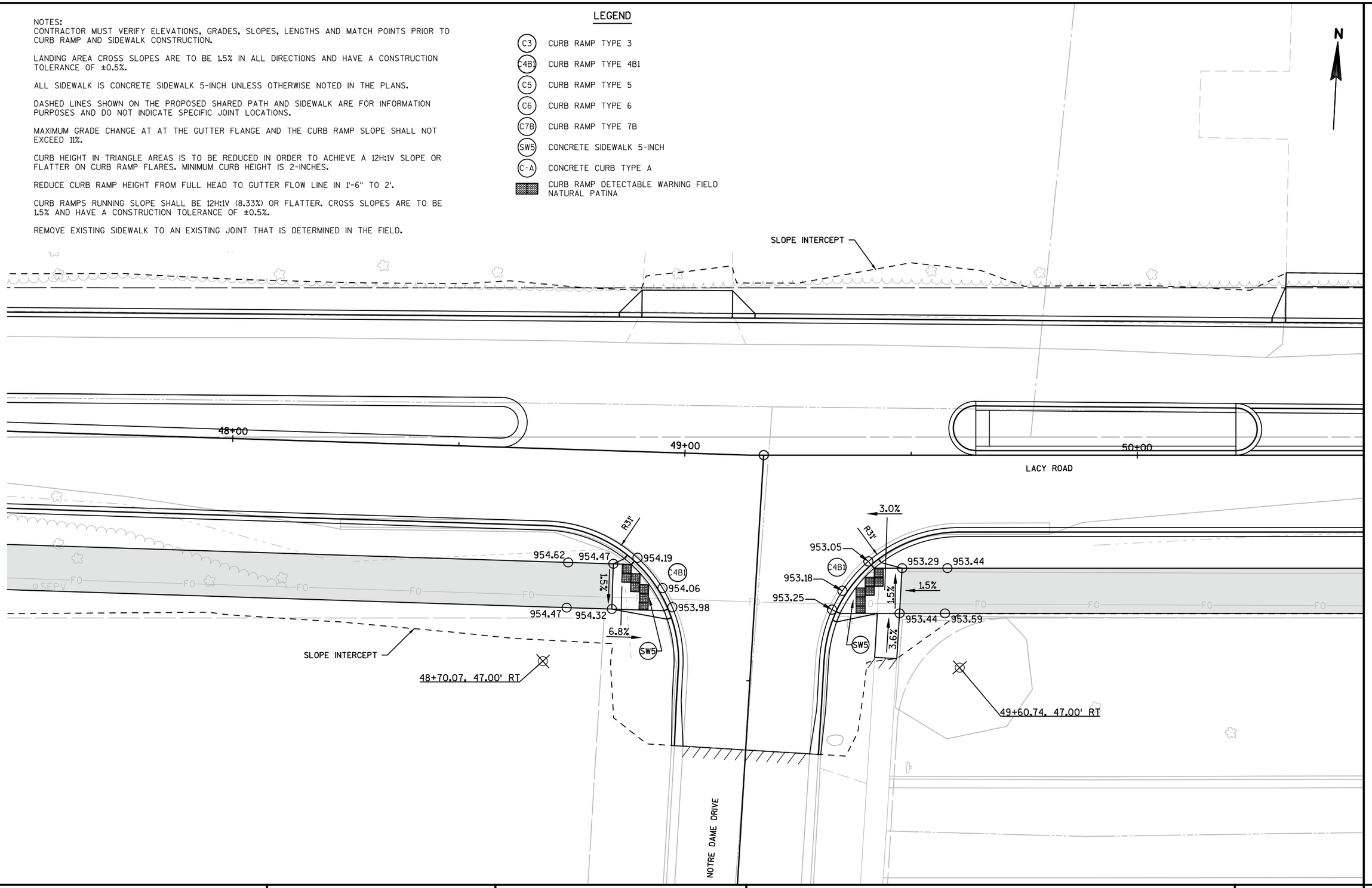
REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- (C3) CURB RAMP TYPE 3
- (C4B1) CURB RAMP TYPE 4B1
- (C5) CURB RAMP TYPE 5
- (C6) CURB RAMP TYPE 6
- (C7B) CURB RAMP TYPE 7B
- (SW5) CONCRETE SIDEWALK 5-INCH
- (C-A) CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA



PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CURB RAMP DETAILS - NOTRE DAME DRIVE	SHEET	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021104_ID
PLOT DATE : 10/17/2016 3:53 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

N

58+96.90, -68.95' LT

SLOPE INTERCEPT

926.40
1.5%
926.32
R31'
6.5%
SW5
C4B1
R31'
926.03
926.07
926.12

SUNFLOWER DRIVE

11+0

60+16.67, -71.00' LT

925.13
925.00
2.0%
2.0%
1.5%
925.15
SLOPE INTERCEPT
R36'
5.75%
924.72
924.81
C4B1
924.88
SW5

FO

925.64
925.67
2.0%
C5
SW5
925.62
C-A
C-A
925.71
925.66
60+00
925.67
925.62
925.64
2.0%

59+00

·00

10+00'SF'

LACY ROAD

925.41
925.23
925.30
926.06
C3
SW5
926.31
926.28
926.23
C3
SW5
R26'
4.0%
926.20
926.16
926.55
926.47
926.24
15%
926.31
926.46
C4B1
SW5
2.3%
59+08.05, 42.00' RT

C-A
926.02
925.99
925.91
3.7%
926.06
926.14
1.0%
926.29
926.21
926.32
C-A
SW5

925.87
R26'
C4B1
SW5
6.9%
925.90
925.75
925.97
2.8
1.5%
1.5%
926.06
926.05
925.90
926.21
1.5%
SW5
4.95%
60+05.54, 42.00' RT

FO
SIGN
SIGN
SLOPE INTERCEPT

MCGAW PARK

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- C3 — CURB RAMP TYPE 3
- C4B1 — CURB RAMP TYPE 4B1
- C5 — CURB RAMP TYPE 5
- C6 — CURB RAMP TYPE 6
- C7B — CURB RAMP TYPE 7B
- SW5 — CONCRETE SIDEWALK 5-INCH
- C-A — CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - SUNFLOWER DRIVE	SHEET 27	E

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- C3 — CURB RAMP TYPE 3
- C4B1 — CURB RAMP TYPE 4B1
- C5 — CURB RAMP TYPE 5
- C6 — CURB RAMP TYPE 6
- C7B — CURB RAMP TYPE 7B
- SW5 — CONCRETE SIDEWALK 5-INCH
- C-A — CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

N

SLOPE INTERCEPT

FO

SIGN

LACY ROAD

66+00

67+00

R26'

925.60 925.45 925.24 C4B1 925.28 925.32 925.75 925.60 SW5

1.5% 1.5% 3.1%

SLOPE INTERCEPT

66+22.88, 42.00' RT

MCGAW ROAD

925.12 925.22 925.31 C4B1 925.32 925.47 925.47 925.62 SW5

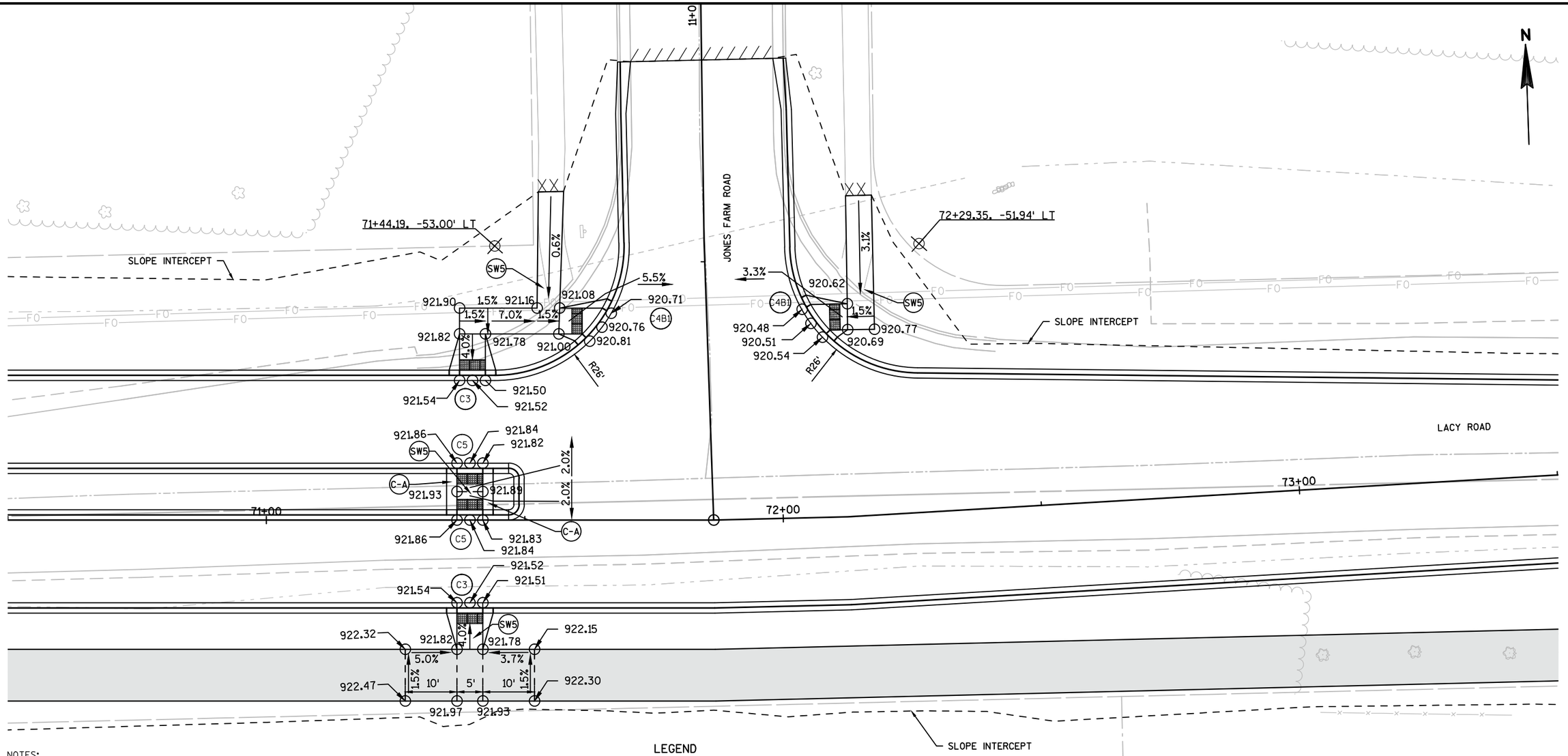
1.5% 1.5% 3.1%

67+03.23, 42.00' RT

SLOPE INTERCEPT

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CURB RAMP DETAILS - MCGAW ROAD	SHEET 28	E

2



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- (C3) CURB RAMP TYPE 3
- (C4B1) CURB RAMP TYPE 4B1
- (C5) CURB RAMP TYPE 5
- (C6) CURB RAMP TYPE 6
- (C7B) CURB RAMP TYPE 7B
- (SW5) CONCRETE SIDEWALK 5-INCH
- (C-A) CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - JONES FARM ROAD	SHEET 29	E

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

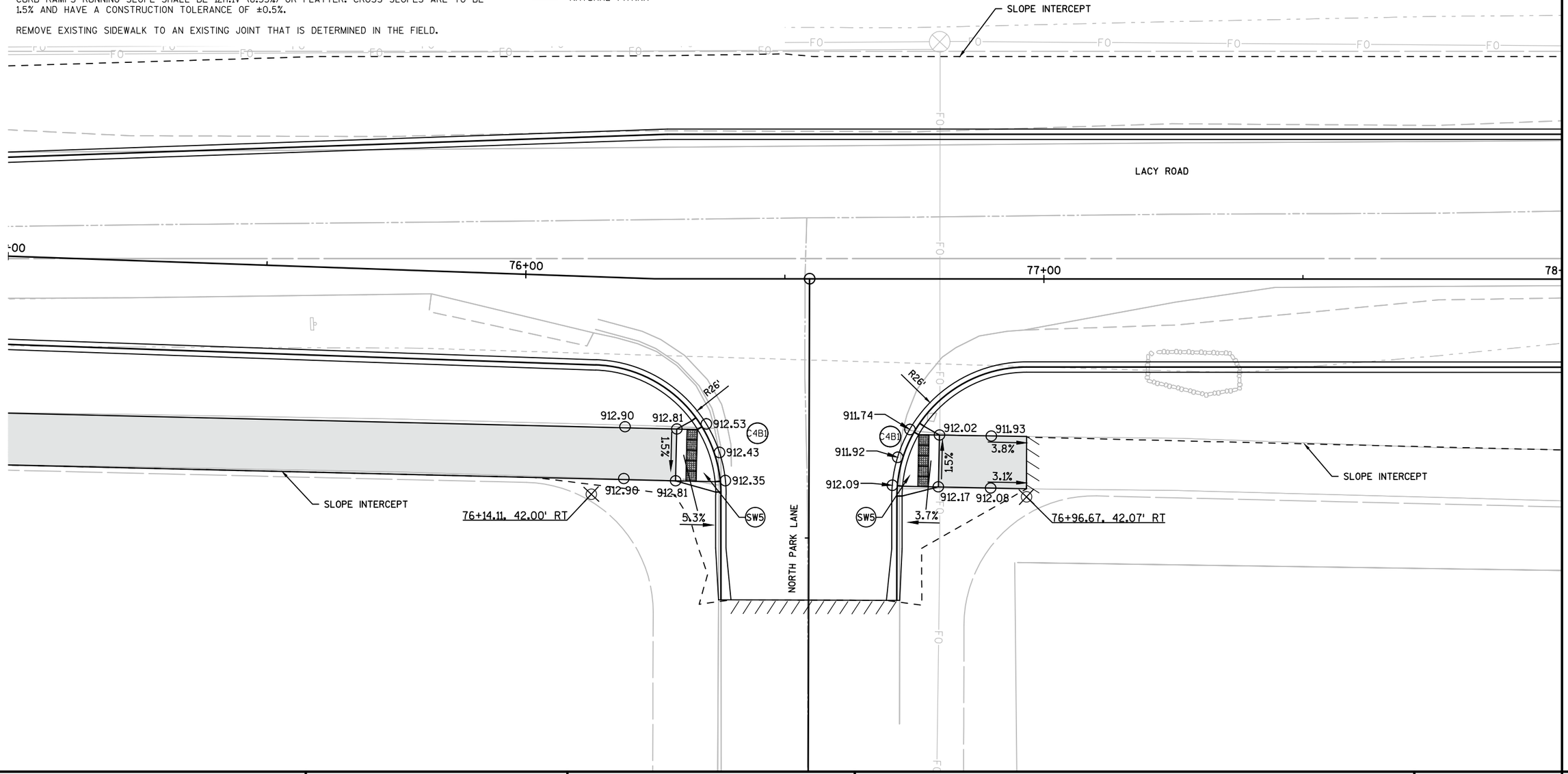
REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD.

LEGEND

- (C3) CURB RAMP TYPE 3
- (C4B1) CURB RAMP TYPE 4B1
- (C5) CURB RAMP TYPE 5
- (C6) CURB RAMP TYPE 6
- (C7B) CURB RAMP TYPE 7B
- (SW5) CONCRETE SIDEWALK 5-INCH
- (C-A) CONCRETE CURB TYPE A
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CURB RAMP DETAILS - NORTH PARK LANE	SHEET 30

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

N

REMOVING MANHOLES

REMOVING INLETS

LACY ROAD

MATCHLINE STA 14+00

11+00 12+00 13+00 14+00

5502 5496 5501 5497

LEGEND

- (C) REMOVING CURB & GUTTER
- (L) EXISTING LANDSCAPING BED TO REMAIN
- (P) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (R) EXISTING TREE TO REMAIN
- (X) EXISTING TREE TO BE REMOVED
- (SS) REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 31	E

2

N

5490

5480

5460

5491

5481

11+00 GA'

ASPH-5

ASPH-D

ASPH-D

ASPH-D

CG-24

CG-24

CG-24

CG-24

CG-24

CG-24

ASPH-5

ASPH-5

LACY ROAD

ASPH

ASPH

CD-7

CD-7

CD-7

CD-7

CD-7

CD-7

B1 B2 B3 B4 B6 B7 B8 B9 B11 B12 B13 B14 B16 B17 B18 B19 B21 B22 B23 B24 B26 B27 B28 B29 B31 B32 B33 B34 B36 B37 B38 B39 B41 B42 B43 B44 B46 B47 B101 B102 B103 B104

14+00 15+00 16+00 17+00 18+00 19+00 20+00

MATCHLINE STA 14+00

MATCHLINE STA 20+00

2674 QUARTZ RD

2678 QUARTZ RD

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 32	E

2

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

- Ⓒ REMOVING CURB & GUTTER
- Ⓛ EXISTING LANDSCAPING BED TO REMAIN
- Ⓟ EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- Ⓡ EXISTING TREE TO REMAIN
- Ⓧ EXISTING TREE TO BE REMOVED
- Ⓢ REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

N

MATCHLINE STA 20+00

20+00 21+00 22+00 23+00 24+00 25+00 26+00

MATCHLINE STA 26+00

LACY ROAD

2689 GRANITE CIR

2688 GRANITE CIR

5436 5428 5442 5433 5427

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 33	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021203_PD

PLOT DATE : 1/5/2017 8:53 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

N

MATCHLINE STA 26+00

MATCHLINE STA 32+00

26+00 27+00 28+00 29+00 30+00 31+00 32+00

LACY ROAD ASPH-5

MICA ROAD 9+00'MC'

5408 5402 2692 MICA 2688 MICA

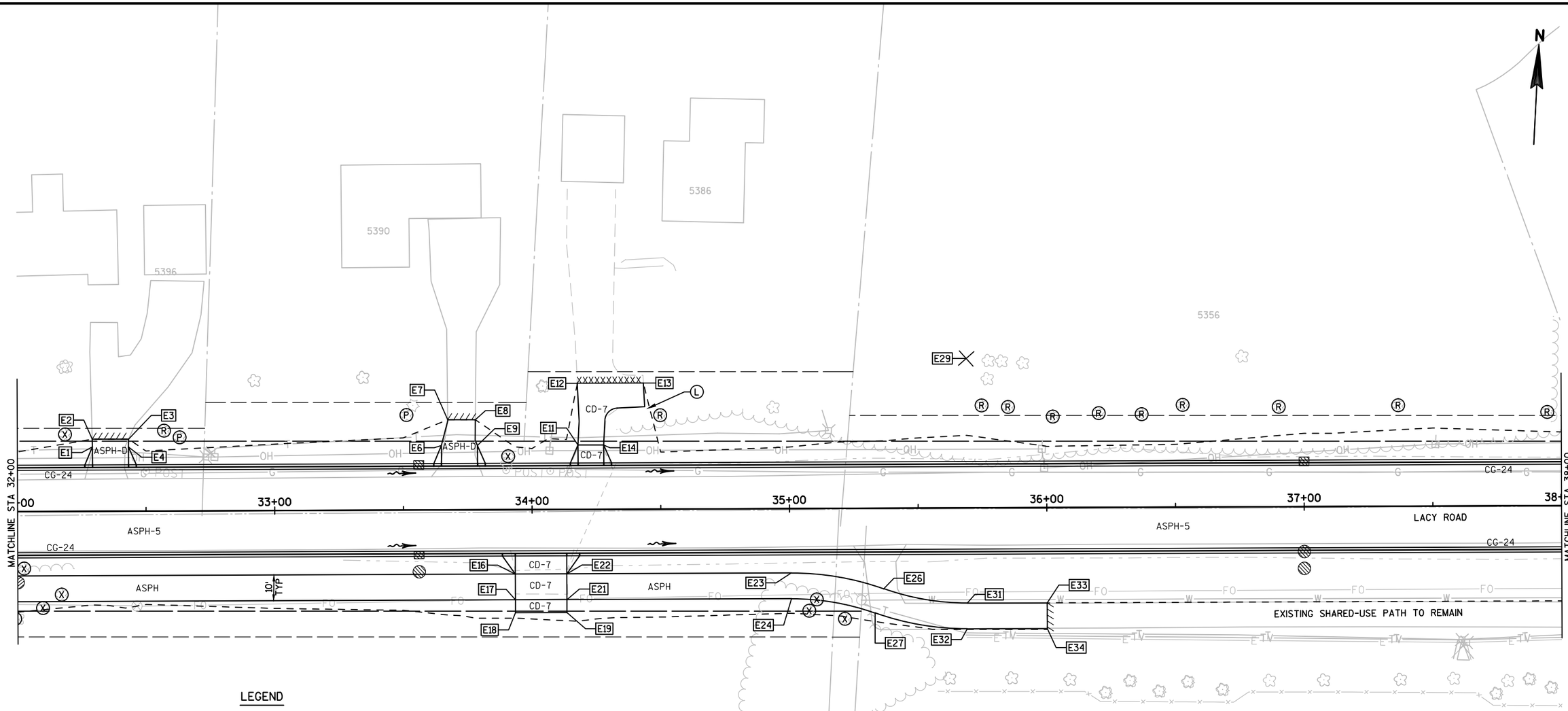
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	PLAN DETAILS	SHEET 34	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021204_PD

PLOT DATE : 1/5/2017 8:53 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

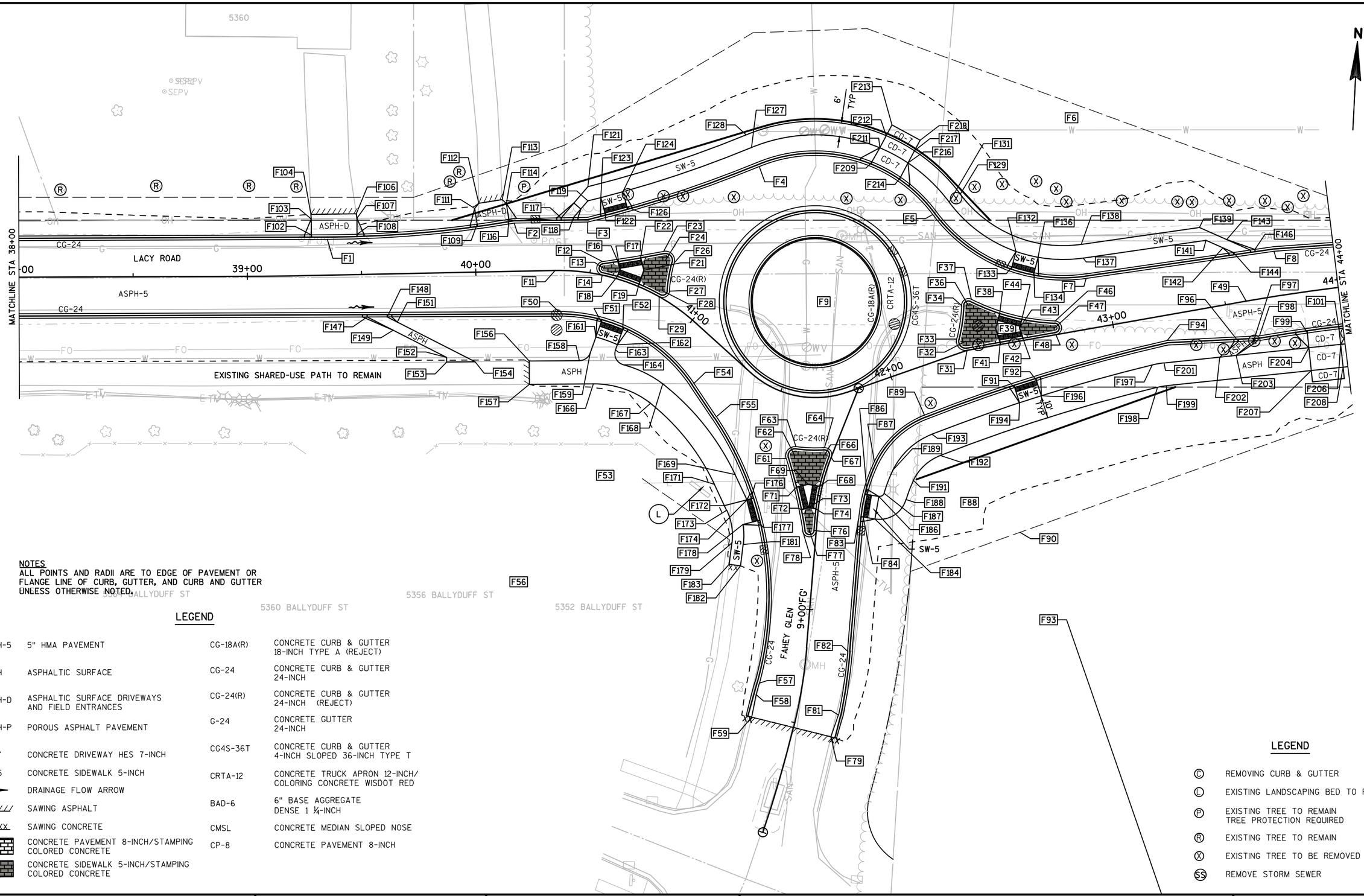
LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 35	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205_PD
PLOT DATE : 1/5/2017 8:53 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

- Ⓒ REMOVING CURB & GUTTER
- Ⓛ EXISTING LANDSCAPING BED TO REMAIN
- Ⓟ EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- Ⓡ EXISTING TREE TO REMAIN
- Ⓧ EXISTING TREE TO BE REMOVED
- Ⓢ REMOVE STORM SEWER

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 36	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021206_PD
PLOT DATE : 1/5/2017 8:53 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

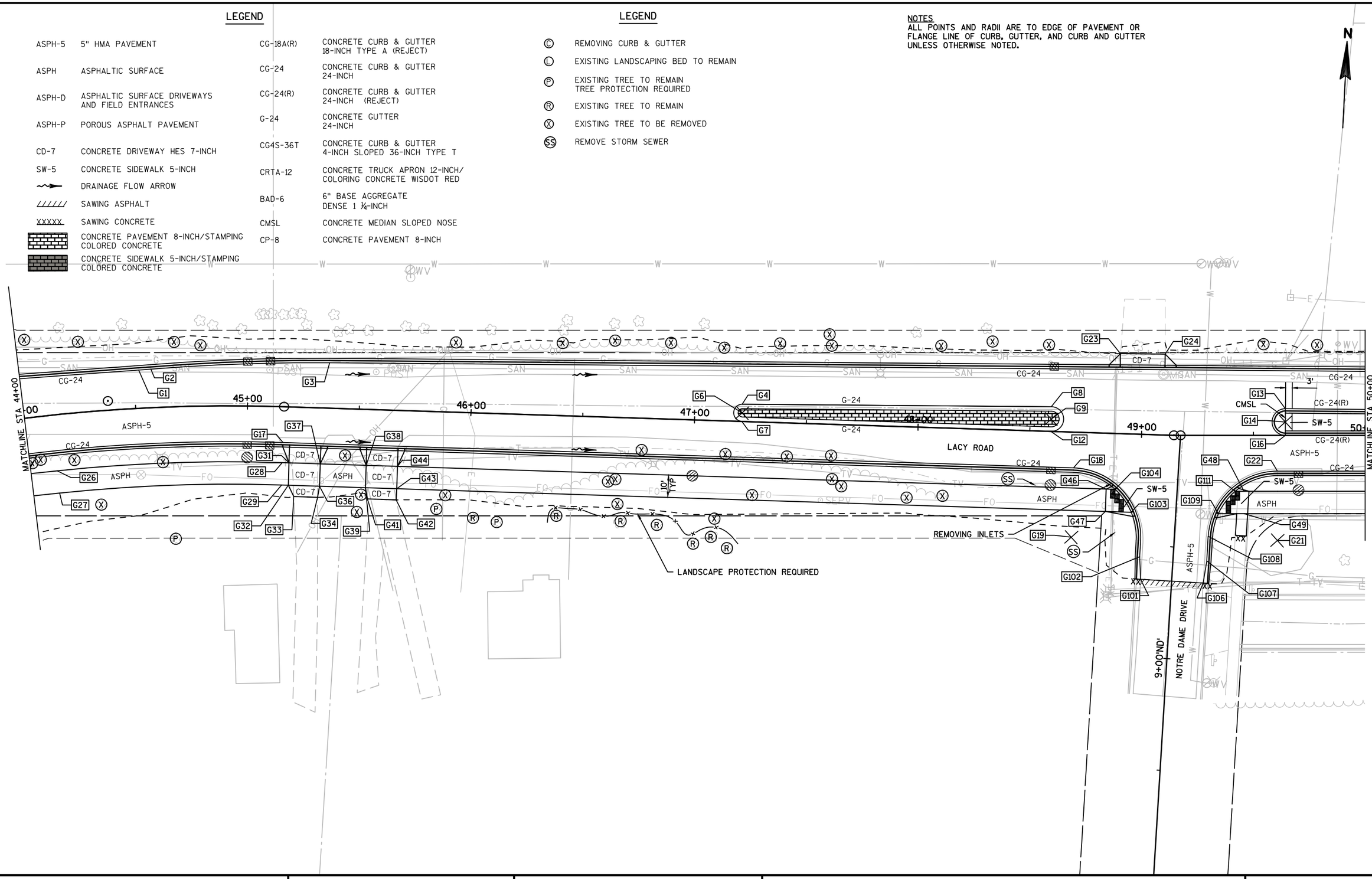
LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

- Ⓒ REMOVING CURB & GUTTER
- Ⓛ EXISTING LANDSCAPING BED TO REMAIN
- Ⓟ EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- Ⓡ EXISTING TREE TO REMAIN
- Ⓧ EXISTING TREE TO BE REMOVED
- Ⓢ REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 37	E

2

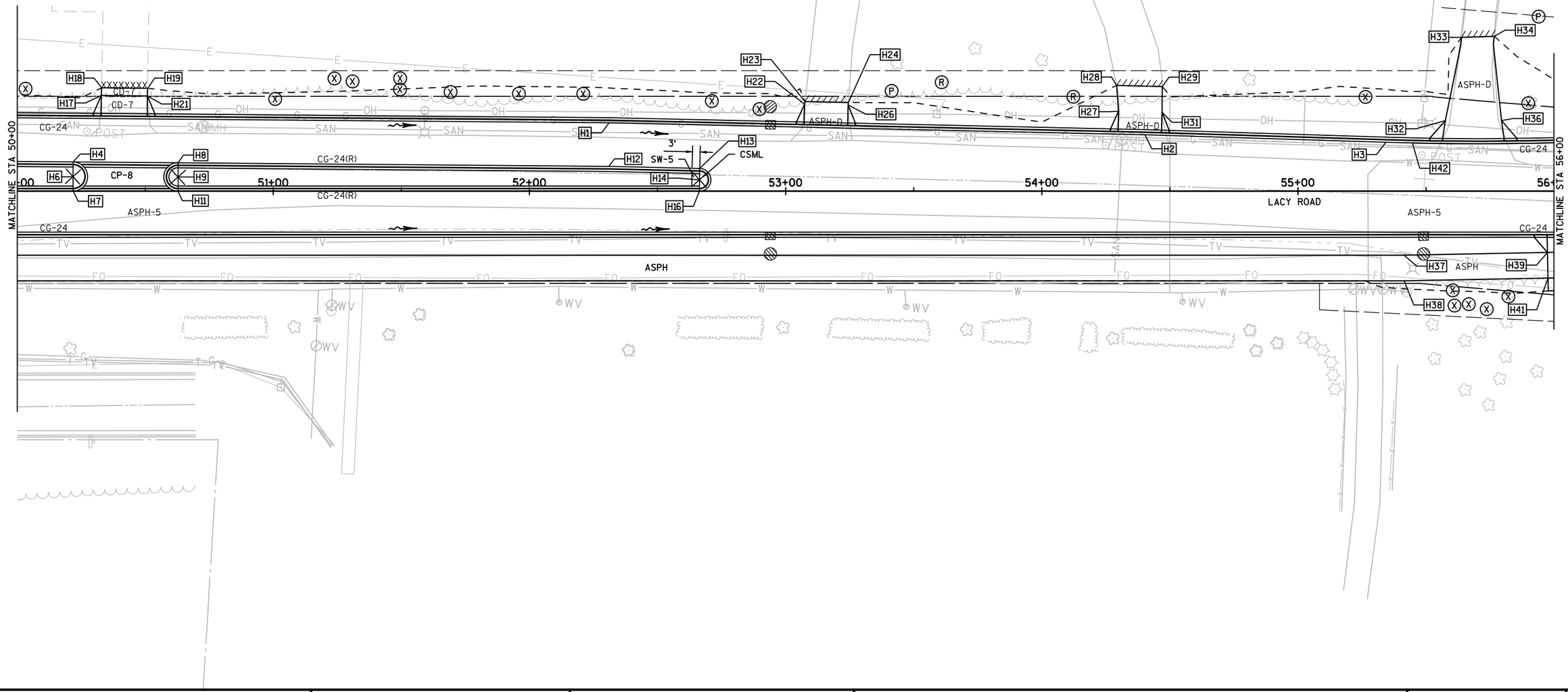
LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 38	E

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

©	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

N

REMOVING INLETS

SUNFLOWER DRIVE

LACY ROAD

MCGAW PARK

MATCHLINE STA 56+00

MATCHLINE STA 62+00

11+00 SF

10+00 SF

9+00 SF

2701 SUNFLOWER DR

5216

5267

5257

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 39	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021209_PD
PLOT DATE : 1/5/2017 8:54 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
Ⓧ	EXISTING TREE TO BE REMOVED
Ⓢ	REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

N

MATCHLINE STA 62+00

MATCHLINE STA 68+00

63+00 64+00 65+00 66+00 67+00 68

LACY ROAD

MCGAW ROAD

9+00'MG'

3'

CG-24 CG-24(R) ASPH-5 ASPH-P ASPH SW-5 CMSL

J1 J3 J4 J7 J8 J9 J11 J12 J13 J14 J16 J17 J18 J19 J21 J22 J23 J24 J101 J102 J103 J104 J106 J107 J108 J109 J111

2689 MCGAW RD

5251

5223

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	PLAN DETAILS	SHEET 40	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021210_PD

PLOT DATE : 1/5/2017 8:54 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

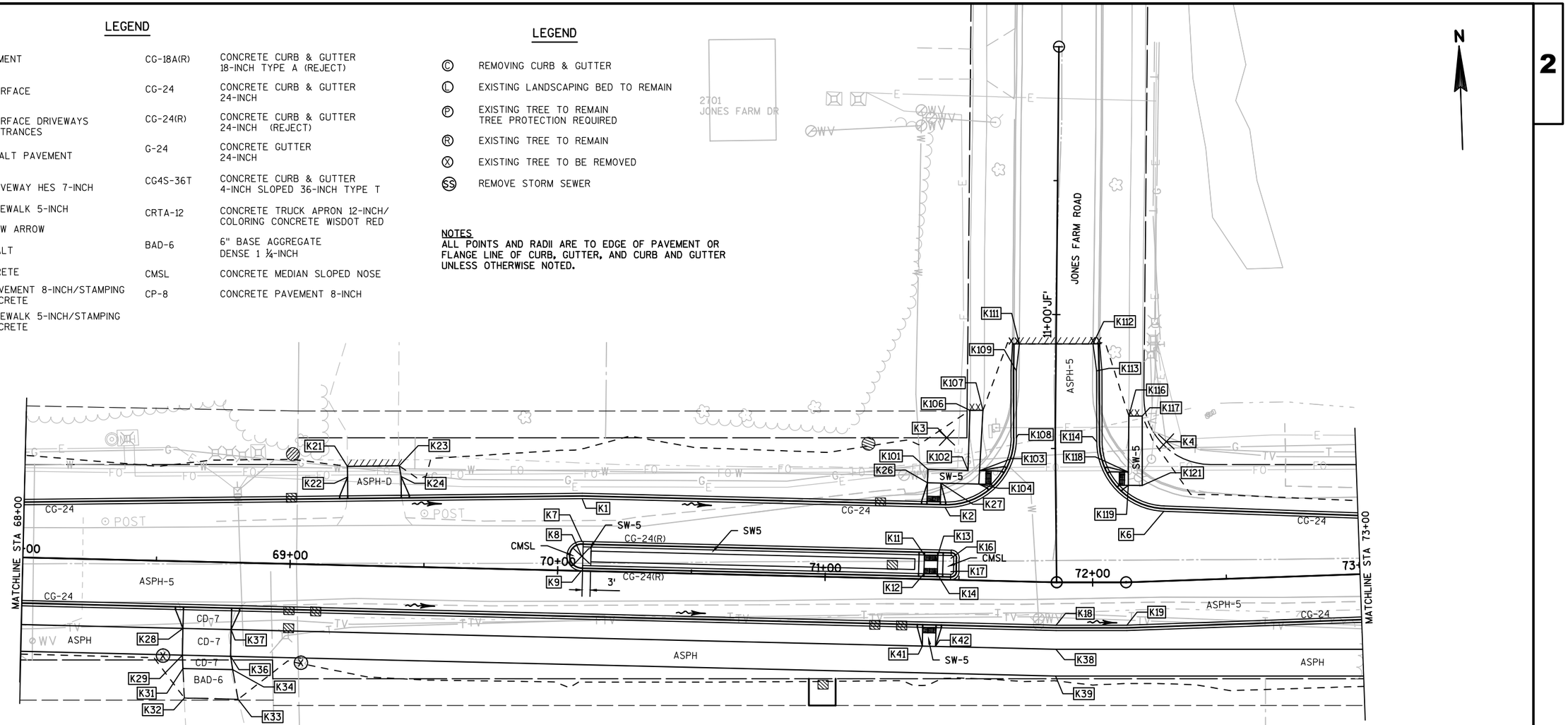
LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

- Ⓒ REMOVING CURB & GUTTER
- Ⓛ EXISTING LANDSCAPING BED TO REMAIN
- Ⓟ EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- Ⓡ EXISTING TREE TO REMAIN
- Ⓧ EXISTING TREE TO BE REMOVED
- Ⓢ REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.



PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 41	E

2

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

LEGEND

Ⓒ	REMOVING CURB & GUTTER
Ⓛ	EXISTING LANDSCAPING BED TO REMAIN
Ⓟ	EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
Ⓡ	EXISTING TREE TO REMAIN
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Ⓢ	REMOVE STORM SEWER

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

N

2

END RECONSTRUCTION
BEGIN MILL AND WIDENING
STA 78+75

MATCHLINE STA 73+00

MATCHLINE STA 79+00

CG-24
LACY ROAD
74+00
75+00
76+00
77+00
78+00
79+
ASPH-5
CG-24
CD-7
ASPH
SW-5
EXISTING SHARED-USE PATH TO REMAIN
NORTH PARK LANE
9+00'NP'
5197

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	PLAN DETAILS	SHEET 42	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021212_PD
PLOT DATE : 1/5/2017 8:55 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

ASPH-5	5" HMA PAVEMENT	CG-18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
ASPH	ASPHALTIC SURFACE	CG-24	CONCRETE CURB & GUTTER 24-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-24(R)	CONCRETE CURB & GUTTER 24-INCH (REJECT)
ASPH-P	POROUS ASPHALT PAVEMENT	G-24	CONCRETE GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
SW-5	CONCRETE SIDEWALK 5-INCH	CRTA-12	CONCRETE TRUCK APRON 12-INCH/ COLORING CONCRETE WISDOT RED
~~→	DRAINAGE FLOW ARROW	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
//////	SAWING ASPHALT	CMSL	CONCRETE MEDIAN SLOPED NOSE
XXXXX	SAWING CONCRETE	CP-8	CONCRETE PAVEMENT 8-INCH
	CONCRETE PAVEMENT 8-INCH/STAMPING COLORED CONCRETE		
	CONCRETE SIDEWALK 5-INCH/STAMPING COLORED CONCRETE		

N

2

110+00'SS'

109+00'SS'

SOUTH STENE ROAD

108+00'SS'

107+00'SS'

PT: 107+69.20'SS'

MATCHLINE STA 79+00

LACY ROAD

80+00

81+00

82+00

83+00

84+00

M1

M2

5216

NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

LEGEND

- Ⓒ REMOVING CURB & GUTTER
- Ⓛ EXISTING LANDSCAPING BED TO REMAIN
- Ⓟ EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- Ⓡ EXISTING TREE TO REMAIN
- Ⓧ EXISTING TREE TO BE REMOVED
- Ⓢ REMOVE STORM SEWER

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN DETAILS	SHEET 43	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021213_PD

PLOT DATE : 1/5/2017 8:55 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
A1	11+00.00	-26.19'	0.00	456,098.84	810,759.17	MATCH EXISTING C&G
A2	11+60.00	-26.27'	1000.85	456,101.90	810,818.64	
A3	12+05.71	-25.48'	1003.61	456,103.63	810,864.32	
A4	11+00.00	24.19'	0.00	456,048.49	810,761.08	MATCH EXISTING C&G
A6	12+55.44	16.00'	1006.78	456,064.94	810,916.26	
A7	11+58.56	-35.29'	1000.54	456,110.83	810,816.70	
A8	11+59.99	-41.27'	0.00	456,116.87	810,817.80	MATCH EXISTING PAVEMENT
A9	11+71.77	-41.07'	0.00	456,117.32	810,829.57	MATCH EXISTING PAVEMENT
A11	11+72.56	-35.05'	1001.23	456,111.36	810,830.69	
A12	12+90.69	-30.90'	1008.56	456,113.72	810,948.87	
A13	12+93.64	-40.79'	0.00	456,123.75	810,951.27	MATCH EXISTING PAVEMENT
A14	13+03.99	-40.35'	0.00	456,123.88	810,961.64	MATCH EXISTING PAVEMENT
A16	13+04.68	-30.31'	1009.40	456,113.90	810,962.87	
A17	13+77.53	-27.24'	1012.89	456,114.84	811,035.78	
A18	13+78.71	-43.12'	0.00	456,130.76	811,036.09	MATCH EXISTING PAVEMENT
A19	13+94.59	-43.05'	0.00	456,131.56	811,051.95	MATCH EXISTING PAVEMENT
A21	13+94.51	-26.52'	1013.79	456,115.06	811,052.78	
A22	11+08.05	31.60'	0.00	456,041.39	810,769.40	MATCH EXISTING SIDEWALK
A23	11+08.11	36.61'	0.00	456,036.39	810,769.65	MATCH EXISTING SIDEWALK
A24	12+21.52	25.99'	1005.89	456,053.10	810,882.94	
A26	12+21.75	33.99'	1005.96	456,045.13	810,883.61	
A27	12+24.78	50.91'	0.00	456,028.40	810,887.57	MATCH EXISTING PAVEMENT
A28	12+36.26	50.57'	0.00	456,029.37	810,899.01	MATCH EXISTING PAVEMENT
A29	12+35.75	33.58'	1006.89	456,046.31	810,897.56	
A31	12+35.51	25.58'	1006.73	456,054.28	810,896.89	
A32	12+55.33	25.00'	1007.61	456,055.95	810,916.64	
A33	12+55.44	33.00'	1007.74	456,047.97	810,917.20	
A34	13+49.14	25.00'	1013.34	456,061.11	811,010.31	
A36	13+49.14	33.00'	1013.46	456,053.13	811,010.75	
A37	13+50.00	45.00'	0.00	456,041.19	811,012.27	MATCH EXISTING PAVEMENT
A38	13+65.39	45.00'	0.00	456,042.04	811,027.64	MATCH EXISTING PAVEMENT
A39	13+65.14	33.00'	1014.00	456,054.01	811,026.73	
A41	13+65.14	25.00'	1013.88	456,061.99	811,026.29	
A42	11+24.42	20.22'	998.93	456,053.52	810,785.67	
A43	11+24.29	31.51'	999.85	456,042.24	810,786.16	
A44	11+24.23	36.52'	999.93	456,037.24	810,786.38	
A46	11+34.55	19.27'	999.61	456,055.03	810,795.73	
A47	11+34.89	28.54'	1000.84	456,045.79	810,796.59	
A48	11+34.40	31.56'	1000.57	456,042.75	810,796.26	
A49	11+34.35	36.56'	1000.64	456,037.75	810,796.48	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
B1	14+30.47	-16.00'	1016.45	456,106.52	811,089.22	
B2	17+05.21	-16.00'	1025.93	456,122.42	811,363.49	
B3	17+05.21	-42.00'	0.00	456,148.38	811,361.99	RADIUS = 26'
B4	17+78.26	-37.00'	0.00	456,147.62	811,435.21	RADIUS = 21'
B6	17+78.26	-16.00'	1027.87	456,126.65	811,436.42	
B7	14+30.11	16.00'	1016.43	456,074.56	811,090.69	
B8	14+37.60	-25.00'	1016.28	456,115.92	811,095.81	
B9	14+42.66	-42.00'	0.00	456,133.19	811,099.88	MATCH EXISTING PAVEMENT
B11	14+58.43	-42.00'	0.00	456,134.10	811,115.63	MATCH EXISTING PAVEMENT
B12	14+55.60	-25.00'	1017.14	456,116.96	811,113.78	
B13	16+00.67	-25.00'	1022.84	456,125.36	811,258.61	
B14	16+00.32	-46.00'	0.00	456,146.30	811,257.05	MATCH EXISTING PAVEMENT
B16	16+32.26	-46.00'	0.00	456,148.15	811,288.94	MATCH EXISTING PAVEMENT
B17	16+30.67	-25.00'	1023.71	456,127.10	811,288.56	
B18	18+09.78	-25.00'	1028.21	456,137.46	811,467.37	
B19	18+22.96	-44.31'	1024.45	456,157.50	811,479.41	
B21	18+35.91	-53.16'	0.00	456,167.09	811,491.83	MATCH EXISTING PAVEMENT
B22	18+40.36	-42.32'	0.00	456,156.52	811,496.90	MATCH EXISTING PAVEMENT
B23	18+32.05	-36.05'	1025.08	456,149.78	811,488.97	
B24	18+26.78	-25.00'	1028.59	456,138.44	811,484.35	
B26	19+51.90	-25.00'	1032.10	456,145.69	811,609.26	
B27	19+52.75	-31.00'	0.00	456,151.72	811,609.75	MATCH EXISTING PAVEMENT
B28	19+69.61	-31.00'	0.00	456,152.70	811,626.58	MATCH EXISTING PAVEMENT
B29	19+67.90	-25.00'	1032.72	456,146.61	811,625.23	
B31	14+30.11	25.00'	1017.15	456,065.57	811,091.19	
B32	14+30.11	33.00'	1017.27	456,057.58	811,091.65	
B33	14+41.85	25.00'	1017.70	456,066.25	811,102.95	
B34	14+41.85	33.00'	1017.82	456,058.27	811,103.41	
B36	14+41.95	38.00'	0.00	456,053.28	811,103.80	MATCH EXISTING PAVEMENT
B37	14+60.48	38.00'	0.00	456,054.35	811,122.30	MATCH EXISTING PAVEMENT
B38	14+60.85	33.00'	1018.15	456,059.36	811,122.38	
B39	14+60.85	25.00'	1018.03	456,067.35	811,121.92	
B41	15+78.40	25.00'	1022.97	456,074.15	811,239.27	
B42	15+78.40	33.00'	1023.09	456,066.17	811,239.73	
B43	15+79.66	38.00'	0.00	456,061.25	811,241.28	MATCH EXISTING PAVEMENT
B44	15+96.17	38.00'	0.00	456,062.20	811,257.77	MATCH EXISTING PAVEMENT
B46	15+96.40	33.00'	1023.45	456,067.21	811,257.70	
B47	15+96.40	25.00'	1023.33	456,075.20	811,257.24	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
B101	10+36.89	-13.00'	1025.07	456,146.42	811,387.92	END C&G
B102	10+61.50	-12.41'	0.00	456,172.24	811,392.07	MATCH EXISTING PAVEMENT
B103	10+42.63	13.00'	1024.99	456,149.80	811,414.32	END C&G
B104	10+61.50	12.40'	0.00	456,167.35	811,416.39	MATCH EXISTING PAVEMENT

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
C1	23+85.33	-16.00'	1037.86	456,161.78	812,042.48	
C2	25+84.95	-26.98'	1031.74	456,177.38	812,242.35	
C3	23+85.21	16.00'	1037.86	456,129.83	812,044.21	
C4	25+86.07	16.00'	1031.90	456,134.44	812,244.75	
C6	21+61.87	-25.00'	1037.26	456,157.84	811,818.87	
C7	21+49.94	-34.70'	0.00	456,166.82	811,806.40	MATCH EXISTING PAVEMENT
C8	21+76.15	-34.51'	0.00	456,168.15	811,832.57	MATCH EXISTING PAVEMENT
C9	21+79.87	-25.00'	1038.07	456,158.88	811,836.84	
C11	22+70.91	-25.00'	1038.20	456,164.15	811,927.73	
C12	22+66.83	-37.00'	0.00	456,175.89	811,922.96	MATCH EXISTING PAVEMENT
C13	22+84.86	-37.00'	0.00	456,176.93	811,940.96	MATCH EXISTING PAVEMENT
C14	22+84.91	-25.00'	1038.25	456,164.96	811,941.70	
C16	24+42.39	-28.16'	1036.46	456,175.28	812,099.80	
C17	24+41.67	-41.12'	0.00	456,188.22	812,098.78	MATCH EXISTING PAVEMENT
C18	24+61.71	-42.24'	0.00	456,189.80	812,118.79	MATCH EXISTING PAVEMENT
C19	24+62.36	-29.26'	1035.93	456,176.84	812,119.74	
C21	25+41.58	-33.61'	1032.93	456,183.01	812,198.84	
C22	25+39.70	-75.57'	0.00	456,224.91	812,195.99	MATCH EXISTING PAVEMENT
C23	25+61.71	-76.78'	0.00	456,226.63	812,217.97	MATCH EXISTING PAVEMENT
C24	25+61.55	-34.71'	1032.08	456,184.56	812,218.78	
C26	23+85.06	25.00'	1038.79	456,120.84	812,044.58	
C27	23+84.92	33.00'	1038.91	456,112.84	812,044.90	
C28	23+96.56	24.91'	1038.56	456,121.17	812,055.20	
C29	23+96.56	32.91'	1038.68	456,113.17	812,055.38	
C31	23+96.27	37.91'	1039.33	456,108.17	812,055.21	
C32	23+96.10	40.91'	0.00	456,105.16	812,055.11	MATCH EXISTING GRAVEL
C33	24+18.83	40.71'	0.00	456,105.89	812,077.83	MATCH EXISTING GRAVEL
C34	24+19.48	37.70'	1038.75	456,108.91	812,078.41	
C36	24+20.56	32.69'	1038.20	456,113.94	812,079.37	
C37	24+20.56	24.69'	1038.08	456,121.94	812,079.19	
C38	25+09.66	23.91'	1035.30	456,124.77	812,168.25	
C39	25+09.67	31.91'	1035.43	456,116.78	812,168.44	
C41	25+09.87	35.91'	0.00	456,112.78	812,168.73	MATCH EXISTING GRAVEL
C42	25+26.54	35.76'	0.00	456,113.31	812,185.40	MATCH EXISTING GRAVEL
C43	25+26.65	31.76'	1034.72	456,117.32	812,185.42	
C44	25+26.69	23.76'	1034.58	456,125.32	812,185.28	
C46	25+79.95	20.22'	1032.68	456,130.07	812,238.43	
C47	25+80.42	28.21'	1032.78	456,122.10	812,239.09	
C48	25+79.11	126.30'	1031.00	456,024.01	812,240.03	RADIUS = 95' & 105'

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
D1	28+45.33	-29.00'	1020.98	456,194.81	812,501.16	BACK OF CURB
D2	28+55.33	-29.00'	1020.68	456,195.40	812,511.15	BACK OF CURB
D3	29+57.10	-23.74'	1018.06	456,199.41	812,611.97	
D4	26+41.36	16.00'	1029.34	456,137.75	812,300.24	
D6	26+41.36	47.00'	0.00	456,106.80	812,302.08	RADIUS = 31'
D7	27+33.59	47.00'	0.00	456,112.29	812,394.15	RADIUS = 31'
D8	27+38.25	16.00'	1024.78	456,143.52	812,396.95	
D9	28+45.33	18.00'	1020.81	456,147.89	812,503.96	BACK OF CURB
D11	28+55.33	18.00'	1020.52	456,148.49	812,513.94	BACK OF CURB
D12	28+63.23	16.00'	1020.24	456,150.97	812,521.99	
D13	31+51.39	16.00'	1014.85	456,178.11	812,808.51	
D14	26+26.31	-36.00'	1029.36	456,188.76	812,282.12	
D16	26+26.90	-43.33'	0.00	456,196.11	812,282.27	MATCH EXISTING PAVEMENT
D17	26+42.44	-39.33'	0.00	456,193.04	812,298.02	MATCH EXISTING PAVEMENT
D18	26+42.31	-36.00'	1029.12	456,189.71	812,298.09	
D19	27+76.33	-36.00'	1023.46	456,197.69	812,431.87	
D21	27+76.08	-40.00'	0.00	456,201.67	812,431.38	MATCH EXISTING PAVEMENT
D22	27+93.42	-40.00'	0.00	456,202.70	812,448.69	MATCH EXISTING PAVEMENT
D23	27+94.25	-36.00'	1022.65	456,198.76	812,449.76	
D24	28+46.49	-36.00'	1020.26	456,201.86	812,501.91	
D26	28+47.58	-60.00'	0.00	456,225.89	812,501.57	MATCH EXISTING PAVEMENT
D27	28+53.68	-60.00'	0.00	456,226.25	812,507.65	MATCH EXISTING PAVEMENT
D28	28+54.17	-36.00'	1020.03	456,202.32	812,509.57	
D29	28+73.29	-35.67'	1019.98	456,203.38	812,527.41	
D31	28+73.77	-38.66'	0.00	456,206.40	812,527.61	MATCH EXISTING PAVEMENT
D32	28+86.37	-38.22'	0.00	456,207.15	812,540.19	MATCH EXISTING PAVEMENT
D33	28+87.28	-35.18'	1019.52	456,204.22	812,541.38	
D34	29+67.30	-32.34'	1018.34	456,208.93	812,621.32	
D36	29+69.18	-37.27'	0.00	456,214.02	812,622.72	MATCH EXISTING PAVEMENT
D37	29+81.03	-36.80'	0.00	456,214.67	812,634.56	MATCH EXISTING PAVEMENT
D38	29+81.29	-31.78'	1018.11	456,209.70	812,635.30	
D39	30+90.65	-27.43'	1016.16	456,215.68	812,744.58	
D41	30+90.79	-32.42'	0.00	456,220.67	812,744.25	MATCH EXISTING GRAVEL
D42	31+09.16	-31.69'	0.00	456,221.67	812,762.61	MATCH EXISTING GRAVEL
D43	31+08.64	-26.71'	1015.89	456,216.66	812,762.55	
D44	26+22.40	28.30'	1030.26	456,124.34	812,282.04	
D46	26+19.26	35.66'	1030.32	456,116.81	812,279.35	
D47	26+55.07	-56.00'	0.00	456,210.44	812,309.64	RADIUS = 95' & 105'
D48	26+55.46	35.89'	1027.88	456,118.73	812,315.49	
D49	26+55.07	43.88'	1027.76	456,110.74	812,315.58	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
D51	27+15.58	36.00'	1027.08	456,122.20	812,375.51	
D52	27+14.97	44.00'	1027.20	456,114.18	812,375.38	
D53	27+53.14	36.01'	0.00	456,124.42	812,413.00	MATCH EXISTING PAVEMENT
D54	27+53.03	46.20'	0.00	456,114.25	812,413.50	MATCH EXISTING PAVEMENT
D56	28+29.23	37.18'	0.00	456,127.79	812,489.04	MATCH EXISTING PAVEMENT
D57	28+29.07	47.17'	0.00	456,117.80	812,489.47	MATCH EXISTING PAVEMENT
D58	28+35.86	37.05'	1022.43	456,128.31	812,495.64	
D59	28+35.33	27.07'	0.00	456,138.24	812,494.52	RADIUS = 10'
D61	28+45.33	27.07'	1021.10	456,138.84	812,504.50	
D62	28+55.33	27.21'	1020.95	456,139.30	812,514.49	
D63	28+60.33	27.21'	0.00	456,139.59	812,519.48	RADIUS = 5'
D64	28+61.97	31.93'	1020.30	456,134.98	812,521.40	
D66	28+30.80	-57.81'	0.00	456,222.70	812,484.95	RADIUS = 105'
D67	28+64.11	30.80'	1020.14	456,136.35	812,524.54	
D68	28+70.11	39.25'	1019.90	456,128.50	812,531.31	
D69	28+98.35	129.00'	0.00	456,041.81	812,567.89	RADIUS = 104'
D71	29+04.19	129.00'	0.00	456,042.36	812,573.71	RADIUS = 96'
D72	28+98.35	25.00'	1019.51	456,145.35	812,558.08	
D73	29+04.19	33.00'	1019.26	456,137.93	812,564.65	
D74	31+05.88	25.00'	1016.77	456,164.92	812,764.69	
D76	31+05.88	33.00'	1016.89	456,156.96	812,765.44	
D77	31+05.88	34.26'	1016.86	456,155.70	812,765.56	MATCH EXISTING PAVEMENT
D78	30+84.76	33.00'	1017.26	456,154.96	812,744.42	MATCH EXISTING PAVEMENT
D79	30+85.35	33.63'	0.00	456,154.40	812,745.06	MATCH EXISTING PAVEMENT
D81	31+23.36	34.80'	0.00	456,156.81	812,783.01	MATCH EXISTING PAVEMENT
D82	31+23.88	33.00'	1016.33	456,158.65	812,783.36	
D83	31+23.88	25.00'	1016.21	456,166.62	812,782.61	
D84	31+51.57	25.00'	1015.59	456,169.14	812,809.18	
D86	31+50.11	33.00'	1015.71	456,161.13	812,809.48	
D87	31+91.43	35.00'	1015.31	456,161.33	812,849.52	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
D101	8+85.29	-41.06'	1026.76	456,042.42	812,306.31	
D102	9+25.00	-14.24'	0.00	456,081.83	812,333.57	
D103	9+34.47	-14.96'	1026.64	456,091.30	812,332.95	
D104	9+49.63	-15.00'	1027.02	456,106.46	812,333.08	
D106	9+53.70	-17.29'	1027.49	456,110.56	812,330.84	BACK OF CURB
D107	9+63.35	-20.45'	1027.67	456,120.25	812,327.78	BACK OF CURB
D108	9+25.31	14.25'	0.00	456,081.82	812,362.06	
D109	9+35.00	14.25'	0.00	456,091.51	812,362.16	
D111	9+45.00	15.00'	1026.63	456,101.50	812,363.03	
D112	9+56.14	15.00'	1026.61	456,112.64	812,363.15	
D113	9+56.13	17.00'	1027.05	456,112.60	812,365.15	BACK OF CURB
D114	9+66.13	18.78'	1026.89	456,122.59	812,367.04	BACK OF CURB
D116	9+34.89	-27.06'	0.00	456,091.86	812,320.86	
D117	9+34.93	-31.75'	0.00	456,091.95	812,316.16	
D118	9+41.96	-26.70'	1027.46	456,098.93	812,321.29	
D119	9+41.81	-31.70'	1027.41	456,098.82	812,316.29	
D121	9+53.94	-27.55'	1027.68	456,110.91	812,320.58	
D122	9+61.92	-28.11'	1027.80	456,118.90	812,320.10	

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PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
E1	32+29.24	-25.00'	1012.85	456,223.30	812,884.00	
E2	32+29.16	-28.00'	0.00	456,226.29	812,883.76	MATCH EXISTING PAVEMENT
E3	32+43.30	-28.00'	0.00	456,227.07	812,897.88	MATCH EXISTING PAVEMENT
E4	32+43.24	-25.00'	1012.38	456,224.07	812,897.98	
E6	33+64.84	-25.00'	1008.78	456,230.71	813,019.40	
E7	33+67.32	-35.00'	0.00	456,240.83	813,021.33	MATCH EXISTING PAVEMENT
E8	33+78.07	-35.00'	0.00	456,241.42	813,032.06	MATCH EXISTING PAVEMENT
E9	33+78.84	-25.00'	1008.20	456,231.47	813,033.38	
E11	34+17.90	-25.00'	1006.31	456,233.61	813,072.38	
E12	34+17.75	-49.00'	0.00	456,257.56	813,070.92	MATCH EXISTING PAVEMENT
E13	34+43.41	-49.00'	0.00	456,258.96	813,096.55	MATCH EXISTING PAVEMENT
E14	34+27.84	-25.00'	1005.80	456,234.15	813,082.31	
E16	33+93.38	25.00'	1006.28	456,182.34	813,050.63	
E17	33+93.38	35.00'	1006.13	456,172.36	813,051.18	
E18	33+93.38	40.00'	0.00	456,167.36	813,051.45	
E19	34+13.38	40.00'	0.00	456,168.46	813,071.42	
E21	34+13.38	35.00'	1005.16	456,173.45	813,071.15	
E22	34+13.38	25.00'	1005.31	456,183.43	813,070.60	
E23	35+00.66	25.00'	1000.90	456,188.20	813,157.75	
E24	35+00.66	35.00'	1000.75	456,178.22	813,158.29	
E26	35+36.48	31.30'	1000.13	456,183.87	813,193.86	
E27	35+33.07	40.70'	999.97	456,174.29	813,190.97	
E28	35+00.66	130.00'	0.00	456,083.36	813,163.48	RADIUS = 95' & 105'
E29	35+68.89	-58.00'	0.00	456,274.80	813,221.35	RADIUS = 95' & 105'
E31	35+68.89	37.00'	998.49	456,179.95	813,226.54	
E32	35+68.89	47.00'	998.64	456,169.96	813,227.08	
E33	36+00.00	37.00'	0.00	456,181.64	813,257.60	
E34	36+00.00	47.00'	0.00	456,171.66	813,258.14	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
F1	39+35.37	-15.63'	978.12	456,252.87	813,589.31	
F2	40+17.18	-21.10'	975.59	456,264.12	813,670.53	
F3	40+46.52	-21.90'	974.62	456,266.23	813,702.67	
F4	40+87.88	-71.50'	972.23	456,294.30	813,776.47	
F5	42+35.18	-61.32'	970.45	456,277.16	813,853.27	
F6	42+94.19	-92.91'	0.00	456,322.31	813,908.07	RADIUS = 71'
F7	42+91.97	-21.94'	970.25	456,252.64	813,921.76	
F8	43+74.59	-19.50'	969.41	456,268.65	814,003.26	
F9	41+79.46	-42.00'	0.00	456,236.47	813,803.88	RAB CENTER
F11	40+34.72	0.00'	975.54	456,244.32	813,689.52	
F12	40+54.47	-5.82'	974.78	456,249.28	813,710.09	
F13	40+55.43	-3.00'	0.00	456,246.34	813,710.65	RADIUS = 13'
F14	40+55.43	0.00'	975.00	456,243.38	813,710.17	
F16	40+60.55	-7.36'	974.57	456,249.59	813,716.79	FACE OF CURB
F17	40+62.20	-4.42'	974.65	456,246.33	813,717.84	
F18	40+62.02	-1.00'	974.79	456,243.05	813,716.86	FACE OF CURB
F19	40+71.91	-1.00'	974.53	456,240.17	813,726.43	FACE OF CURB
F21	40+71.58	-7.53'	974.29	456,246.44	813,728.31	
F22	40+68.60	-11.98'	974.20	456,251.71	813,726.61	FACE OF CURB
F23	40+75.57	-18.55'	973.81	456,255.09	813,736.53	
F24	40+77.58	-15.35'	0.00	456,251.21	813,737.49	RADIUS = 4'
F26	40+80.91	-16.19'	973.74	456,250.34	813,741.40	
F27	40+84.79	-4.32'	974.06	456,237.80	813,739.89	
F28	40+82.21	-3.00'	0.00	456,237.87	813,736.89	RADIUS = 3'
F29	40+82.21	0.00'	974.30	456,235.18	813,735.55	
F31	42+35.18	0.00'	971.57	456,218.56	813,871.31	
F32	42+35.18	-4.00'	0.00	456,222.46	813,870.42	RADIUS = 4'
F33	42+32.50	-6.19'	971.46	456,223.28	813,866.50	
F34	42+36.18	-19.81'	971.07	456,238.10	813,867.85	
F36	42+39.12	-19.22'	0.00	456,238.17	813,870.85	RADIUS = 3'
F37	42+40.91	-21.62'	970.93	456,240.92	813,872.07	
F38	42+52.04	-13.39'	970.92	456,235.38	813,884.75	
F39	42+49.22	-7.26'	971.15	456,228.78	813,883.37	
F41	42+50.07	-1.00'	971.34	456,222.86	813,885.60	
F42	42+60.16	-1.00'	971.21	456,225.12	813,895.44	
F43	42+59.52	-5.73'	971.05	456,229.58	813,893.75	
F44	42+61.12	-9.20'	970.90	456,233.33	813,894.54	
F46	42+75.32	-5.93'	970.95	456,233.31	813,909.11	
F47	42+74.69	-3.00'	0.00	456,230.31	813,909.15	RADIUS = 3'
F48	42+74.69	0.00'	971.07	456,227.39	813,909.82	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
F49	43+59.19	0.00'	970.00	456,246.27	813,992.19	
F50	40+36.16	18.00'	975.16	456,226.43	813,691.95	
F51	40+60.51	20.00'	975.12	456,222.89	813,710.81	BACK OF CURB
F52	40+73.42	20.00'	974.81	456,220.02	813,720.39	BACK OF CURB
F53	41+13.61	79.22'	0.00	456,155.72	813,711.08	RADIUS = 71'
F54	41+19.05	20.10'	974.57	456,198.10	813,752.65	
F55	41+35.52	24.37'	974.36	456,184.03	813,763.19	
F56	40+11.18	135.70'	0.00	456,107.28	813,675.66	RADIUS = 141'
F57	41+59.25	126.63'	974.48	456,068.60	813,787.91	
F58	41+59.10	131.79'	974.56	456,063.52	813,786.77	
F59	41+58.99	141.79'	0.00	456,053.62	813,785.33	MATCH EXISTING
F61	41+57.65	27.76'	973.98	456,167.33	813,794.63	
F62	41+59.84	26.00'	0.00	456,168.69	813,798.39	RADIUS = 4'
F63	41+59.84	22.00'	973.86	456,172.68	813,798.71	
F64	41+68.01	22.00'	973.53	456,172.88	813,811.14	
F66	41+68.01	25.00'	0.00	456,169.90	813,811.48	RADIUS = 3'
F67	41+69.68	26.34'	973.47	456,168.94	813,814.32	
F68	41+66.40	38.76'	973.66	456,155.94	813,809.95	FACE OF CURB
F69	41+63.68	37.90'	973.77	456,156.57	813,804.72	
F71	41+61.10	39.54'	973.89	456,155.04	813,799.73	FACE OF CURB
F72	41+62.54	49.11'	973.83	456,145.37	813,802.37	FACE OF CURB
F73	41+64.06	48.10'	973.79	456,146.39	813,805.65	
F74	41+65.50	48.59'	973.78	456,146.02	813,808.75	FACE OF CURB
F76	41+65.14	58.07'	973.87	456,136.50	813,808.40	
F77	41+64.30	57.94'	0.00	456,136.56	813,806.40	RADIUS = 3'
F78	41+63.06	58.51'	973.78	456,135.96	813,803.46	
F79	41+66.88	148.41'	0.00	456,046.78	813,820.38	MATCH EXISTING
F81	41+67.72	139.08'	974.48	456,056.42	813,823.18	
F82	41+69.24	111.50'	974.11	456,084.54	813,825.75	
F83	41+73.63	54.90'	973.36	456,142.52	813,827.61	
F84	41+74.59	54.47'	973.79	456,143.50	813,829.65	BACK OF CURB
F86	41+76.42	45.31'	973.66	456,153.43	813,830.84	BACK OF CURB
F87	41+80.88	32.44'	973.01	456,168.05	813,833.24	
F88	42+09.77	61.53'	0.00	456,152.00	813,870.96	RADIUS = 41'
F89	42+08.27	20.56'	972.23	456,189.38	813,854.13	
F90	42+44.25	82.42'	0.00	456,140.25	813,898.57	RADIUS = 71'
F91	42+52.89	19.59'	971.62	456,203.42	813,892.95	
F92	42+62.80	18.24'	971.49	456,206.96	813,902.30	
F93	45+16.38	760.00'	0.00	455,505.49	814,162.01	RADIUS = 750'
F94	43+22.22	10.91'	970.25	456,227.37	813,958.58	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
F96	43+52.84	16.82'	970.22	456,228.46	813,989.75	BACK OF CURB
F97	43+59.44	17.66'	970.12	456,229.12	813,996.37	BACK OF CURB
F98	43+62.38	16.00'	969.63	456,231.37	813,998.81	
F99	43+83.72	18.00'	969.36	456,233.70	814,019.63	BACK OF CURB
F101	43+98.06	18.00'	969.18	456,236.26	814,033.40	BACK OF CURB
F102	39+28.39	-17.74'	978.80	456,254.48	813,582.20	BACK OF CURB
F103	39+28.46	-24.74'	978.77	456,261.47	813,581.78	
F104	39+28.40	-26.75'	0.00	456,263.46	813,581.58	MATCH EXISTING
F106	39+48.22	-26.59'	0.00	456,264.71	813,601.36	MATCH EXISTING
F107	39+48.46	-24.59'	978.00	456,262.73	813,601.74	
F108	39+48.39	-17.59'	977.74	456,255.74	813,602.16	BACK OF CURB
F109	40+01.00	-20.95'	976.40	456,262.82	813,654.41	BACK OF CURB
F111	40+00.08	-27.89'	975.83	456,269.68	813,653.00	
F112	40+01.90	-30.12'	0.00	456,272.03	813,654.65	MATCH EXISTING
F113	40+12.21	-31.49'	0.00	456,274.13	813,664.84	MATCH EXISTING
F114	40+13.96	-29.72'	975.38	456,272.50	813,666.71	
F116	40+14.88	-22.78'	976.05	456,265.64	813,668.12	BACK OF CURB
F117	40+37.20	-23.03'	975.41	456,267.47	813,691.00	BACK OF CURB
F118	40+41.43	-23.28'	975.25	456,267.82	813,696.33	BACK OF CURB
F119	40+45.81	-31.13'	975.26	456,275.50	813,702.28	
F121	40+45.38	-37.29'	975.29	456,281.68	813,702.00	
F122	40+51.98	-26.88'	974.75	456,270.54	813,710.05	BACK OF CURB
F123	40+49.84	-33.27'	974.66	456,277.21	813,707.91	
F124	40+56.29	-37.59'	974.30	456,280.27	813,717.43	
F126	40+58.69	-31.43'	974.39	456,273.61	813,719.57	BACK OF CURB
F127	40+83.90	-76.76'	972.95	456,302.44	813,772.61	
F128	40+81.38	-80.44'	973.04	456,307.86	813,770.04	
F129	42+44.11	-67.86'	971.26	456,286.70	813,864.85	
F131	42+38.74	-65.18'	971.17	456,282.89	813,860.22	
F132	42+63.79	-38.88'	971.04	456,262.85	813,890.51	
F133	42+60.85	-32.50'	970.76	456,255.98	813,889.07	BACK OF CURB
F134	42+69.93	-28.31'	970.73	456,253.93	813,898.86	BACK OF CURB
F136	42+72.87	-34.69'	971.01	456,260.80	813,900.29	
F137	42+92.25	-30.94'	970.94	456,261.47	813,920.03	
F138	42+92.44	-36.94'	971.03	456,267.36	813,918.87	
F139	43+44.67	-35.30'	970.53	456,277.43	813,970.14	
F141	43+46.50	-29.24'	970.42	456,271.93	813,973.28	
F142	43+53.25	-24.69'	970.18	456,269.01	813,980.88	
F143	43+55.49	-28.00'	970.20	456,272.74	813,982.32	
F144	43+57.40	-21.89'	970.04	456,267.21	813,985.55	BACK OF CURB

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
F146	43+66.69	-21.63'	969.95	456,269.04	813,994.88	BACK OF CURB
F147	39+52.09	18.65'	977.98	456,219.86	813,608.42	BACK OF CURB
F148	39+60.83	18.79'	977.71	456,220.34	813,617.15	BACK OF CURB
F149	39+63.36	24.67'	978.07	456,214.65	813,620.09	
F151	39+65.24	21.15'	977.74	456,218.30	813,621.72	
F152	39+86.45	37.02'	978.19	456,203.96	813,643.99	
F153	39+86.46	39.04'	978.35	456,201.95	813,644.15	
F154	39+98.91	39.15'	977.97	456,202.72	813,656.58	
F156	40+22.59	39.30'	0.00	456,204.25	813,680.21	MATCH EXISTING
F157	40+22.45	49.53'	0.00	456,194.04	813,680.79	MATCH EXISTING
F158	40+52.21	38.69'	975.56	456,205.45	813,702.13	
F159	40+58.80	34.45'	976.06	456,209.01	813,706.64	
F161	40+59.78	27.00'	975.27	456,216.17	813,708.79	
F162	40+74.15	27.00'	975.00	456,213.29	813,718.37	
F163	40+74.44	29.42'	975.21	456,210.97	813,717.67	
F164	40+83.80	33.62'	975.32	456,204.64	813,721.43	
F166	40+68.81	46.85'	976.10	456,195.66	813,708.77	
F167	41+10.81	39.31'	975.57	456,188.42	813,734.13	
F168	41+09.07	29.41'	975.41	456,197.20	813,739.03	
F169	41+47.12	41.37'	974.59	456,159.16	813,772.66	
F171	41+44.17	49.27'	974.74	456,154.45	813,763.84	
F172	41+47.75	55.65'	974.14	456,145.38	813,768.69	
F173	41+48.49	57.16'	974.55	456,143.35	813,769.77	
F174	41+51.42	49.67'	973.90	456,148.40	813,778.41	
F176	41+52.15	48.64'	973.88	456,148.97	813,780.24	BACK OF CURB
F177	41+54.52	57.10'	973.76	456,139.50	813,783.46	BACK OF CURB
F178	41+52.16	60.47'	974.18	456,137.55	813,777.17	
F179	41+51.38	69.68'	974.37	456,129.20	813,772.78	
F181	41+53.24	68.75'	974.27	456,128.84	813,777.76	
F182	41+53.78	78.06'	0.00	456,119.44	813,777.08	MATCH EXISTING
F183	41+52.06	78.88'	0.00	456,119.85	813,772.10	MATCH EXISTING
F184	41+76.64	56.57'	973.61	456,142.88	813,834.81	
F186	41+78.64	47.62'	973.48	456,152.81	813,836.01	
F187	41+80.30	47.01'	973.57	456,154.34	813,838.19	
F188	41+88.47	52.78'	973.72	456,152.07	813,847.93	
F189	41+87.22	38.83'	973.83	456,164.52	813,841.52	
F191	41+94.27	45.92'	973.98	456,160.61	813,850.72	
F192	42+08.97	39.54'	973.12	456,172.06	813,861.93	
F193	42+08.60	29.55'	972.95	456,181.18	813,857.83	
F194	42+53.84	26.53'	971.67	456,196.87	813,895.42	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
F196	42+63.74	25.17'	971.54	456,200.41	813,904.78	
F197	43+13.88	20.39'	971.09	456,216.27	813,952.57	
F198	43+14.49	30.37'	971.24	456,206.68	813,955.40	
F199	43+18.41	30.39'	971.19	456,207.54	813,959.23	
F201	43+19.11	20.41'	971.03	456,217.42	813,957.68	
F202	43+43.57	22.12'	970.62	456,221.22	813,981.90	
F203	43+50.75	22.62'	970.49	456,222.34	813,989.01	
F204	43+83.47	24.47'	968.78	456,227.30	814,020.64	
F206	43+97.93	24.87'	968.85	456,229.47	814,034.47	
F207	43+83.07	34.47'	968.66	456,217.42	814,022.19	
F208	43+97.73	34.87'	968.69	456,219.59	814,036.02	
F209	42+23.04	-91.57'	971.38	456,298.81	813,825.55	
F211	42+28.30	-96.26'	971.64	456,305.13	813,828.67	
F212	42+32.75	-100.33'	971.71	456,310.58	813,831.25	
F213	42+35.18	-103.93'	971.03	456,315.37	813,833.53	
F214	42+32.64	-81.09'	971.08	456,292.72	813,838.40	
F216	42+35.18	-85.97'	971.37	456,299.13	813,841.32	
F217	42+35.18	-90.28'	971.47	456,304.58	813,843.90	
F218	42+35.18	-94.23'	970.80	456,309.38	813,846.18	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
G1	44+52.20	-17.10'	0.00	456,278.47	814,082.13	
G2	44+57.54	-17.21'	968.41	456,279.13	814,087.55	
G3	45+36.08	-20.28'	967.15	456,286.00	814,167.26	
G4	47+21.11	-7.70'	961.85	456,276.85	814,352.48	
G6	47+21.20	-3.85'	962.39	456,273.00	814,352.64	RADIUS = 3.85'
G7	47+21.20	0.00'	961.95	456,269.15	814,352.71	
G8	48+59.26	-11.00'	955.72	456,282.71	814,490.55	
G9	48+59.39	-5.50'	955.91	456,277.21	814,490.78	RADIUS = 5.5'
G12	48+59.39	0.00'	955.92	456,271.71	814,490.88	
G13	49+64.33	-11.90'	952.82	456,287.15	814,595.15	
G14	49+64.28	-5.95'	953.22	456,281.20	814,595.40	RADIUS = 5.95'
G16	49+64.28	0.00'	952.84	456,275.26	814,595.70	
G17	45+16.38	16.00'	967.60	456,249.36	814,148.22	
G18	48+70.07	16.00'	955.21	456,255.91	814,501.85	
G19	48+70.07	47.00'	954.93	456,224.92	814,502.43	RADIUS = 36'
G21	49+60.74	47.00'	954.44	456,228.14	814,594.54	RADIUS = 36'
G22	49+60.74	16.00'	952.60	456,259.10	814,592.97	
G23	48+89.38	-35.72'	954.94	456,307.99	814,520.21	
G24	49+09.38	-36.20'	954.14	456,308.84	814,540.19	
G26	44+12.19	25.00'	968.75	456,231.61	814,048.09	
G27	44+12.19	35.00'	968.60	456,221.73	814,049.64	
G28	45+16.38	25.00'	968.04	456,240.36	814,148.39	
G29	45+16.38	35.00'	968.14	456,230.36	814,148.58	
G31	45+19.38	25.00'	968.12	456,240.42	814,151.39	
G32	45+19.38	35.00'	968.27	456,230.42	814,151.58	
G33	45+21.98	40.00'	967.57	456,225.47	814,154.27	MATCH EXISTING GRAVEL
G34	45+32.66	40.00'	967.44	456,225.67	814,164.95	MATCH EXISTING GRAVEL
G36	45+33.38	35.00'	968.16	456,230.68	814,165.57	
G37	45+33.38	25.00'	968.01	456,240.68	814,165.39	
G38	45+53.91	25.00'	967.66	456,241.06	814,185.92	
G39	45+53.91	35.00'	967.81	456,231.06	814,186.10	
G41	45+54.90	40.00'	967.61	456,226.08	814,187.19	MATCH EXISTING GRAVEL
G42	45+67.80	40.00'	967.71	456,226.32	814,200.08	MATCH EXISTING GRAVEL
G43	45+67.91	35.00'	967.85	456,231.32	814,200.10	
G44	45+67.91	25.00'	967.70	456,241.32	814,199.91	
G46	48+84.96	25.00'	954.47	456,247.19	814,516.91	
G47	48+84.96	35.00'	954.32	456,237.19	814,517.10	
G48	49+45.84	25.00'	953.29	456,249.36	814,578.55	
G49	49+45.84	35.00'	953.38	456,239.37	814,579.06	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
G101	9+34.70	-13.87'	1906.57	456,207.74	814,534.35	MATCH EXISTING C&G
G102	9+44.70	-14.88'	1907.04	456,217.75	814,533.44	
G103	9+64.31	-19.92'	954.03	456,237.41	814,528.60	BACK OF CURB
G104	9+74.09	-27.71'	954.23	456,247.27	814,520.91	BACK OF CURB
G106	9+34.70	14.17'	0.00	456,207.45	814,562.39	MATCH EXISTING C&G
G107	9+44.70	15.12'	1906.96	456,217.44	814,563.44	
G108	9+55.70	15.11'	1906.99	456,228.43	814,563.54	
G109	9+66.10	19.03'	953.29	456,238.79	814,567.56	BACK OF CURB
G111	9+76.54	25.91'	953.09	456,249.16	814,574.55	BACK OF CURB

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
H1	52+31.08	-26.69'	948.53	456,315.44	814,860.80	
H2	54+40.32	-22.01'	943.79	456,321.36	815,070.01	
H3	55+34.37	-19.09'	0.00	456,323.20	815,164.08	
H4	50+21.82	-11.42'	951.83	456,289.58	814,652.58	
H6	50+21.77	-5.71'	0.00	456,283.88	814,652.83	RADIUS = 5.71'
H7	50+21.83	0.00'	951.83	456,278.18	814,653.17	
H8	50+62.82	-11.09'	951.25	456,291.32	814,693.55	
H9	50+62.77	-5.54'	0.00	456,285.79	814,693.78	RADIUS = 5.54'
H11	50+62.77	0.00'	951.25	456,280.25	814,694.06	
H12	52+30.94	-9.70'	948.88	456,298.45	814,861.52	
H13	52+66.46	-8.90'	948.23	456,299.46	814,897.04	
H14	52+66.36	-4.45'	0.00	456,295.01	814,897.17	RADIUS = 4.45'
H16	52+66.36	0.00'	948.38	456,290.56	814,897.39	
H17	50+32.86	-37.33'	951.64	456,316.02	814,662.29	
H18	50+32.99	-40.33'	0.00	456,319.02	814,662.27	MATCH EXISTING PAVEMENT
H19	50+50.94	-40.18'	0.00	456,319.78	814,680.21	MATCH EXISTING PAVEMENT
H21	50+50.86	-37.19'	951.50	456,316.78	814,680.28	
H22	53+07.42	-33.99'	947.01	456,326.59	814,936.68	
H23	53+07.56	-34.99'	0.00	456,327.59	814,936.77	MATCH EXISTING PAVEMENT
H24	53+24.49	-34.61'	0.00	456,328.07	814,953.70	MATCH EXISTING PAVEMENT
H26	53+24.42	-33.61'	946.87	456,327.07	814,953.67	
H27	54+29.97	-31.25'	945.24	456,330.06	815,059.21	
H28	54+29.22	-41.27'	0.00	456,340.02	815,057.95	MATCH EXISTING PAVEMENT
H29	54+47.05	-40.81'	0.00	456,340.48	815,075.78	MATCH EXISTING PAVEMENT
H31	54+46.97	-30.81'	944.97	456,330.48	815,076.21	
H32	55+57.60	-27.59'	940.50	456,332.87	815,186.86	
H33	55+63.90	-60.06'	0.00	456,365.61	815,191.51	MATCH EXISTING PAVEMENT
H34	55+76.61	-60.44'	0.00	456,366.64	815,204.18	MATCH EXISTING PAVEMENT
H36	55+79.47	-27.54'	938.87	456,333.93	815,208.70	
H37	55+41.43	25.00'	0.00	456,279.53	815,173.37	MATCH EXISTING PAVEMENT
H38	55+41.53	35.00'	0.00	456,269.55	815,173.98	MATCH EXISTING PAVEMENT
H39	55+97.45	23.88'	937.70	456,283.48	815,229.27	
H41	55+97.64	33.88'	937.84	456,273.51	815,229.96	
H42	55+44.70	-18.81'	939.75	456,323.45	815,174.42	
H43	55+71.19	-1202.51'	0.00	457,506.97	815,140.91	RADIUS = 1,184'

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
I1	56+27.36	-19.85'	935.78	456,328.67	815,256.92	
I2	57+72.43	-26.97'	929.88	456,342.94	815,401.83	
I3	59+95.19	1481.00'	0.00	454,834.23	815,550.36	RADIUS = 1,516'
I4	58+52.20	-31.30'	927.52	456,348.82	815,482.53	
I6	59+01.63	-66.22'	0.00	456,383.25	815,533.35	RADIUS = 36'
I7	60+16.67	-71.00'	0.00	456,383.14	815,650.54	RADIUS = 36'
I8	60+16.67	-35.00'	925.04	456,347.19	815,648.71	
I9	59+97.88	-42.67'	925.13	456,355.80	815,630.33	
I11	60+07.88	-38.16'	925.32	456,350.79	815,640.09	
I12	59+94.88	-5.00'	0.00	456,318.33	815,625.42	RADIUS = 3'
I14	59+94.88	-3.00'	0.00	456,316.34	815,625.32	RADIUS = 3'
I16	59+97.88	-6.00'	0.00	456,319.18	815,628.47	
I17	59+97.88	-2.00'	0.00	456,315.19	815,628.27	
I18	60+07.88	-6.00'	0.00	456,318.67	815,638.46	
I19	60+07.88	-2.00'	0.00	456,314.68	815,638.25	
I21	60+42.98	-8.00'	925.34	456,318.89	815,673.61	
I22	60+42.98	-4.00'	0.00	456,314.90	815,673.41	RADIUS = 4'
I23	60+42.98	0.00'	925.34	456,310.90	815,673.20	
I24	60+80.98	-8.00'	924.97	456,316.96	815,711.56	
I26	60+80.98	-4.00'	0.00	456,312.97	815,711.36	RADIUS = 4'
I27	60+80.98	0.00'	924.97	456,308.97	815,711.16	
I28	61+32.88	-8.00'	924.48	456,314.33	815,763.40	
I29	61+51.82	-10.37'	924.33	456,315.73	815,782.43	
I31	61+52.44	-5.00'	0.00	456,310.34	815,782.78	RADIUS = 5'
I32	61+52.44	-5.41'	0.00	456,310.75	815,782.80	RADIUS = 5'
I33	61+52.44	0.00'	924.33	456,305.35	815,782.53	
I34	61+57.44	-5.41'	924.74	456,310.49	815,787.79	
I36	61+57.44	-5.00'	924.74	456,310.09	815,787.77	
I37	61+87.44	-9.96'	924.57	456,313.52	815,817.99	
I38	61+87.44	-5.50'	924.57	456,309.07	815,817.76	
I39	61+92.26	-15.42'	924.11	456,318.73	815,823.08	
I41	61+92.94	-9.96'	0.00	456,313.25	815,823.48	RADIUS = 5.5'
I42	61+92.94	-5.50'	0.00	456,308.79	815,823.25	RADIUS = 5.5'
I43	61+92.94	0.00'	924.10	456,303.29	815,822.97	
I44	57+41.43	16.00'	930.74	456,298.65	815,372.66	
I46	59+08.05	16.00'	926.32	456,300.91	815,538.04	
I47	59+08.05	42.00'	0.00	456,274.91	815,537.43	RADIUS = 36'
I48	60+05.54	42.00'	0.00	456,270.85	815,633.69	RADIUS = 36'
I49	60+05.54	16.00'	0.00	456,296.82	815,635.01	
I51	59+97.88	19.26'	925.95	456,293.96	815,627.19	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
I52	60+07.88	18.00'	925.67	456,294.70	815,637.24	
I53	57+41.43	21.00'	930.75	456,293.66	815,372.91	
I54	57+05.80	31.71'	932.04	456,281.15	815,337.88	
I56	56+11.44	23.60'	937.01	456,284.47	815,243.22	
I57	56+11.64	33.60'	937.15	456,274.50	815,243.92	
I58	57+50.82	29.00'	930.21	456,286.12	815,382.58	
I59	58+48.79	21.00'	927.96	456,296.51	815,479.23	
I61	58+48.77	29.00'	928.06	456,288.51	815,479.23	
I62	59+03.72	33.62'	927.13	456,283.39	815,533.37	
I63	59+21.20	25.00'	926.73	456,291.56	815,550.83	
I64	59+21.20	35.00'	926.91	456,281.57	815,550.54	
I65	57+00.00	21.83'	0.00	456,290.73	815,331.58	
I66	59+97.88	25.00'	926.33	456,288.22	815,626.90	
I67	59+97.88	35.00'	926.26	456,278.23	815,626.39	
I68	60+07.88	25.00'	926.14	456,287.71	815,636.89	
I69	60+07.88	35.00'	926.00	456,277.73	815,636.38	
I70	57+00.00	18.00'	0.00	456,294.55	815,331.39	
I71	60+54.00	25.00'	925.59	456,285.37	815,682.94	
I72	60+54.00	35.00'	925.74	456,275.39	815,682.44	
I73	60+53.97	38.00'	0.00	456,272.39	815,682.26	MATCH EXISTING PAVEMENT
I74	60+69.97	38.00'	0.00	456,271.58	815,698.24	MATCH EXISTING PAVEMENT
I75	60+70.00	35.00'	925.57	456,274.57	815,698.42	
I76	60+70.00	25.00'	925.42	456,284.56	815,698.92	
I77	61+65.44	25.00'	924.74	456,279.72	815,794.25	
I78	61+65.44	35.00'	924.89	456,269.73	815,793.74	
I79	61+66.23	46.00'	0.00	456,258.71	815,793.97	MATCH EXISTING PAVEMENT
I80	58+64.49	21.19'	0.00	456,296.31	815,494.77	
I81	61+78.77	46.00'	0.00	456,258.07	815,806.49	MATCH EXISTING PAVEMENT
I82	61+79.44	35.00'	924.79	456,269.02	815,807.72	
I83	61+79.44	25.00'	924.64	456,279.01	815,808.23	
I84	58+64.56	18.00'	0.00	456,299.50	815,494.86	
I90	58+84.50	-34.50'	927.17	456,351.83	815,515.32	
I91	59+02.96	-35.25'	926.72	456,352.26	815,534.07	
I92	59+08.54	-38.10'	926.58	456,354.98	815,539.80	
I93	59+08.54	-44.00'	925.87	456,360.88	815,539.94	
I94	59+13.44	-44.01'	926.19	456,360.76	815,544.94	
I95	59+13.45	-39.87'	926.48	456,356.62	815,544.84	
I96	59+16.07	-50.47'	925.44	456,367.15	815,547.80	
I97	59+12.50	-53.88'	925.41	456,370.65	815,544.23	
I98	59+23.08	-67.68'	924.66	456,384.15	815,555.48	MATCH EXISTING SIDEWALK

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
I99	59+18.23	-67.89'	924.78	456,384.51	815,550.49	MATCH EXISTING SIDEWALK

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
I101	9+27.87	-25.73'	928.40	456,244.62	815,563.58	MATCH EXISTING C&G
I102	9+37.87	-26.84'	927.77	456,254.30	815,562.96	
I103	9+57.88	-27.39'	926.44	456,274.31	815,563.43	
I104	9+64.67	-30.58'	926.75	456,281.26	815,560.58	
I106	9+74.56	-36.84'	926.60	456,291.45	815,554.83	
I107	9+80.67	-48.51'	926.63	456,298.14	815,543.48	
I108	9+75.10	-48.36'	926.96	456,292.57	815,543.35	
I109	9+81.17	-53.53'	926.73	456,298.89	815,538.49	
I111	9+75.45	-53.37'	927.10	456,293.17	815,538.36	
I112	9+28.57	-9.54'	928.33	456,244.27	815,579.77	MATCH EXISTING C&G
I113	9+39.99	-10.00'	927.60	456,255.56	815,579.89	
I114	9+76.95	-10.00'	925.93	456,292.48	815,581.75	
I116	9+76.95	-5.00'	925.89	456,292.23	815,586.75	RADIUS = 5'
I117	9+76.95	0.00'	925.85	456,291.98	815,591.74	
I118	9+28.70	0.00'	928.30	456,243.78	815,589.31	MATCH EXISTING C&G
I119	9+28.70	16.49'	928.26	456,242.95	815,605.77	MATCH EXISTING C&G
I121	9+38.70	17.17'	927.58	456,252.90	815,606.96	
I122	9+57.69	16.96'	926.29	456,271.88	815,607.71	
I123	9+64.98	20.01'	926.45	456,279.01	815,611.12	
I124	9+64.98	30.02'	926.46	456,278.50	815,621.12	
I126	9+74.98	26.02'	926.31	456,288.69	815,617.63	
I127	9+74.98	30.02'	926.38	456,288.49	815,621.63	
I128	9+42.58	35.29'	927.19	456,255.86	815,625.25	MATCH EXISTING PATH
I129	9+43.81	45.70'	926.92	456,256.57	815,635.71	MATCH EXISTING PATH
I131	10+60.53	-39.99'	924.98	456,377.33	815,558.00	RADIUS = 40'
I132	10+67.03	-33.86'	924.26	456,383.51	815,564.45	
I133	10+77.05	-32.82'	923.96	456,393.47	815,565.99	MATCH EXISTING C&G
I134	10+77.39	-17.81'	924.06	456,393.05	815,581.00	MATCH EXISTING PAVEMENT
I136	10+61.03	-17.44'	924.58	456,376.69	815,580.55	MATCH EXISTING C&G
I137	10+43.18	-12.79'	925.24	456,358.63	815,584.29	
I138	10+45.52	-8.37'	925.11	456,360.74	815,588.82	RADIUS = 5'
I139	10+43.38	-3.85'	925.15	456,358.38	815,593.23	
I141	10+61.43	0.00'	924.49	456,376.21	815,597.98	MATCH EXISTING C&G
I142	10+80.45	0.00'	924.02	456,395.21	815,598.95	MATCH EXISTING PAVEMENT
I143	10+80.45	15.18'	923.66	456,394.44	815,614.11	MATCH EXISTING C&G
I144	10+70.45	16.14'	923.94	456,384.41	815,614.56	
I146	10+61.93	22.54'	924.69	456,375.58	815,620.53	RADIUS = 40'
I147	10+46.68	33.33'	925.40	456,359.79	815,630.53	
I148	10+58.51	33.18'	925.05	456,371.62	815,630.97	MATCH EXISTING PATH
I149	10+58.51	42.84'	925.09	456,371.13	815,640.62	MATCH EXISTING PATH
I151	10+46.67	43.33'	925.42	456,359.29	815,640.52	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
J1	62+20.88	-35.00'	923.69	456,336.83	815,852.65	
J2	62+20.88	1481.00'	0.00	454,822.78	815,775.76	RADIUS = 1,516'
J3	63+48.21	-29.64'	923.90	456,325.02	815,979.55	
J4	64+47.86	-21.24'	924.41	456,311.58	816,078.64	
J6	65+72.50	-1500.00'	0.00	457,782.11	816,278.13	RADIUS = 1484'
J7	65+72.50	-16.00'	925.17	456,300.02	816,202.86	
J8	67+02.00	-16.30'	924.61	456,293.45	816,332.31	
J9	62+20.88	-19.00'	924.01	456,320.85	815,851.84	
J11	63+46.87	-13.70'	924.22	456,309.17	815,977.40	
J12	64+14.65	-7.99'	924.51	456,300.02	816,044.81	
J13	64+14.32	-4.00'	0.00	456,296.06	816,044.27	RADIUS = 4'
J14	64+14.32	0.00'	924.63	456,292.07	816,044.07	
J16	66+22.88	16.00'	925.13	456,265.51	816,251.55	
J17	66+13.17	52.00'	0.00	456,230.05	816,240.03	RADIUS = 36'
J18	67+03.23	42.00'	0.00	456,235.18	816,330.16	RADIUS = 36'
J19	67+03.23	16.00'	924.61	456,261.13	816,331.67	
J21	66+35.82	25.00'	925.45	456,255.86	816,264.02	
J22	66+35.82	35.00'	925.60	456,245.88	816,263.51	
J23	66+90.29	25.00'	925.32	456,252.90	816,318.23	
J24	66+90.29	35.00'	925.47	456,242.92	816,317.65	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
J101	9+15.00	-14.68'	0.00	456,194.86	816,274.60	MATCH EXISTING PAVEMENT
J102	9+59.17	-13.97'	925.36	456,238.98	816,276.23	
J103	9+65.50	-16.81'	925.38	456,245.37	816,273.52	BACK OF CURB
J104	9+75.69	-22.51'	925.31	456,255.66	816,268.02	BACK OF CURB
J106	9+15.00	13.29'	0.00	456,194.26	816,302.56	MATCH EXISTING PAVEMENT
J107	9+46.48	14.00'	925.94	456,225.74	816,303.95	
J108	9+56.48	14.02'	925.44	456,235.74	816,304.17	
J109	9+64.31	17.35'	925.37	456,243.50	816,307.65	BACK OF CURB
J111	9+74.07	23.74'	925.18	456,253.13	816,314.23	BACK OF CURB

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
K1	70+08.55	-27.00'	922.43	456,286.35	816,638.96	
K2	71+44.19	-27.00'	921.49	456,278.49	816,774.37	
K3	71+44.19	-53.00'	0.00	456,304.44	816,775.88	RADIUS = 36'
K4	72+29.35	-51.94'	0.00	456,300.15	816,857.84	RADIUS = 36'
K6	72+27.53	-26.01'	920.69	456,274.21	816,856.05	
K7	70+08.82	-11.00'	922.77	456,270.36	816,638.31	
K8	70+08.82	-5.50'	0.00	456,264.87	816,637.99	RADIUS = 5.5'
K9	70+08.82	0.00'	922.77	456,259.38	816,637.67	
K11	71+36.89	-9.00'	0.00	456,260.94	816,766.04	RADIUS = 5.5'
K12	71+36.89	-2.00'	922.30	456,253.95	816,765.64	
K13	71+41.89	-9.00'	922.27	456,260.65	816,771.04	
K14	71+41.89	-2.00'	0.00	456,253.66	816,770.63	
K16	71+46.89	-8.00'	922.02	456,259.36	816,775.97	RADIUS = 3'
K17	71+46.89	-3.00'	922.02	456,254.37	816,775.68	RADIUS = 3'
K18	71+86.55	16.00'	921.19	456,233.09	816,814.37	
K19	72+12.49	16.00'	921.00	456,232.19	816,840.76	
K21	69+20.55	-36.94'	0.00	456,301.38	816,551.69	MATCH EXISTING
K22	69+20.69	-32.94'	922.88	456,297.38	816,551.60	
K23	69+39.92	-37.61'	0.00	456,300.93	816,571.07	MATCH EXISTING
K24	69+40.68	-33.64'	922.90	456,296.91	816,571.59	
K26	71+37.39	-36.00'	921.82	456,287.87	816,768.11	
K27	71+42.39	-36.00'	921.78	456,287.58	816,773.10	
K28	68+60.55	25.00'	924.16	456,243.03	816,488.19	
K29	68+60.55	35.00'	924.31	456,233.04	816,487.61	
K31	68+60.90	40.00'	924.74	456,228.03	816,487.68	
K32	68+61.68	51.00'	925.83	456,217.00	816,487.82	
K33	68+81.78	51.00'	925.65	456,215.84	816,507.88	
K34	68+79.47	40.00'	924.60	456,226.95	816,506.21	
K36	68+78.55	35.00'	0.00	456,232.00	816,505.58	
K37	68+78.55	25.00'	0.00	456,241.98	816,506.16	
K38	71+86.55	25.00'	0.00	456,224.10	816,813.95	
K39	71+86.55	35.00'	0.00	456,214.11	816,813.49	
K41	71+36.89	25.00'	0.00	456,227.00	816,764.07	
K42	71+41.89	25.00'	0.00	456,226.71	816,769.06	

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
K101	10+42.68	-47.71'	921.90	456,292.86	816,768.40	
K102	10+42.16	-32.72'	921.16	456,291.99	816,783.37	
K103	10+42.01	-28.36'	921.08	456,291.73	816,787.73	
K104	10+37.02	-28.70'	921.00	456,286.75	816,787.28	
K106	10+63.93	-31.94'	0.00	456,314.38	816,784.89	MATCH EXISTING
K107	10+63.98	-27.04'	0.00	456,314.22	816,789.79	MATCH EXISTING
K108	10+54.00	-14.51'	920.38	456,303.56	816,801.87	
K109	10+78.86	-14.75'	919.75	456,328.54	816,802.72	
K111	10+88.87	-13.74'	0.00	456,338.50	816,804.17	MATCH EXISTING
K112	10+89.14	13.80'	0.00	456,337.56	816,831.69	MATCH EXISTING
K113	10+79.15	15.24'	919.84	456,327.52	816,832.70	
K114	10+52.28	15.53'	920.39	456,300.98	816,831.85	
K116	10+62.38	27.48'	0.00	456,310.22	816,844.19	MATCH EXISTING
K117	10+62.44	32.49'	0.00	456,310.06	816,849.19	MATCH EXISTING
K118	10+40.89	27.25'	920.62	456,289.32	816,843.30	
K119	10+35.90	27.16'	920.69	456,284.33	816,843.10	
K121	10+35.80	32.35'	920.77	456,284.11	816,848.28	

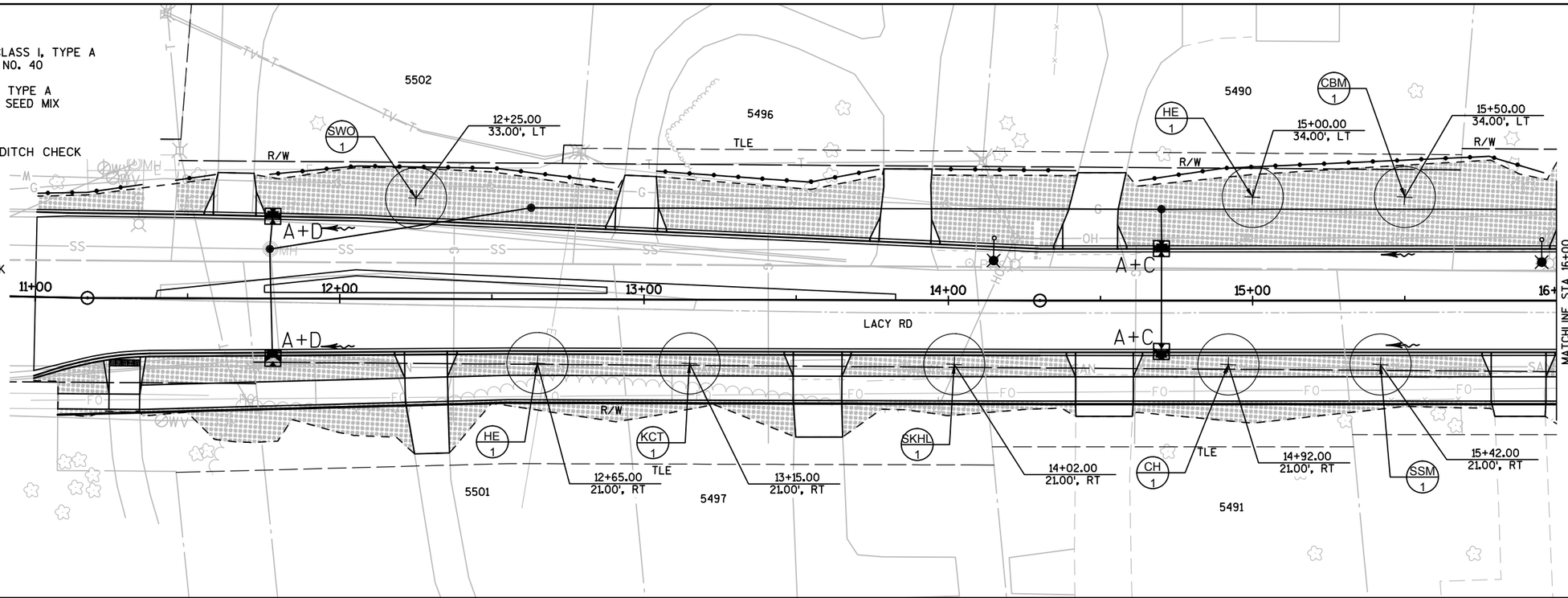
PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
L1	73+70.33	-16.00'	919.82	456,264.30	816,999.41	
L2	74+69.77	-16.00'	918.05	456,260.91	817,098.79	
L3	76+27.35	-26.90'	912.55	456,261.03	817,256.39	
L4	78+74.67	-27.00'	903.35	456,252.59	817,503.55	
L5	73+70.37	16.00'	919.83	456,232.31	816,998.35	
L6	74+70.34	16.00'	918.05	456,228.92	817,097.71	
L7	76+14.11	16.00'	913.25	456,219.01	817,241.14	
L8	76+14.11	42.00'	0.00	456,193.07	817,239.34	RADIUS = 26'
L9	76+96.67	42.00'	0.00	456,189.78	817,323.28	RADIUS = 26'
L11	76+96.67	16.00'	910.11	456,215.76	817,324.18	
L12	78+74.67	16.00'	903.57	456,209.62	817,502.07	
L13	78+75.39	16.00'	903.57	456,209.60	817,502.80	
L14	74+11.12	30.50'	920.39	456,216.43	817,038.59	
L15	74+11.12	40.50'	920.54	456,206.44	817,038.25	
L16	74+13.44	44.50'	0.00	456,202.36	817,040.43	MATCH EXISTING PAVEMENT
L17	74+21.64	44.50'	0.00	456,202.08	817,048.63	MATCH EXISTING PAVEMENT
L18	74+25.12	40.50'	919.97	456,205.96	817,052.24	
L19	74+25.12	30.50'	919.82	456,215.96	817,052.58	
L21	74+64.82	30.50'	919.11	456,214.60	817,092.26	
L22	74+64.70	40.50'	919.27	456,204.61	817,091.80	
L28	76+29.14	28.98'	912.81	456,205.12	817,256.24	
L29	76+28.90	38.98'	912.81	456,195.13	817,255.66	
L31	76+79.84	30.14'	912.02	456,202.21	817,306.87	
L32	76+79.63	40.14'	912.17	456,192.22	817,306.32	
L33	76+96.67	30.41'	0.00	456,201.36	817,323.68	MATCH EXISTING PAVEMENT
L34	76+96.67	40.49'	0.00	456,191.28	817,323.33	MATCH EXISTING PAVEMENT

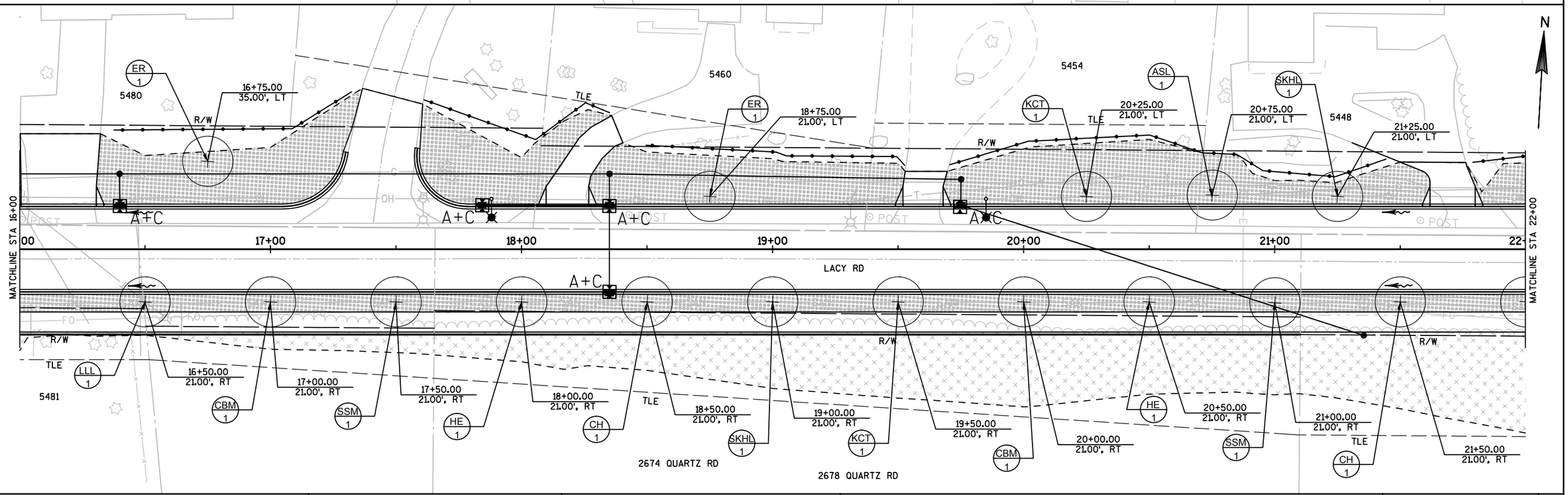
PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
M1	80+24.67	-29.89'	0.00	456,250.31	817,653.57	MATCH EXISTING
M2	80+24.67	2.18'	0.00	456,218.26	817,652.46	MATCH EXISTING

PLAN DETAIL PONT TABLE						
POINT NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING	REMARKS
L101	9+38.00	-15.00'	0.00	456,171.79	817,265.58	MATCH EXISTING C&G
L102	9+48.00	-16.00'	912.72	456,181.83	817,264.95	
L103	9+58.29	-16.00'	912.31	456,192.11	817,265.33	
L104	9+38.00	15.00'	0.00	456,170.69	817,295.56	MATCH EXISTING C&G
L106	9+48.00	16.00'	912.54	456,180.64	817,296.92	
L107	9+58.10	16.00'	912.15	456,190.74	817,297.30	

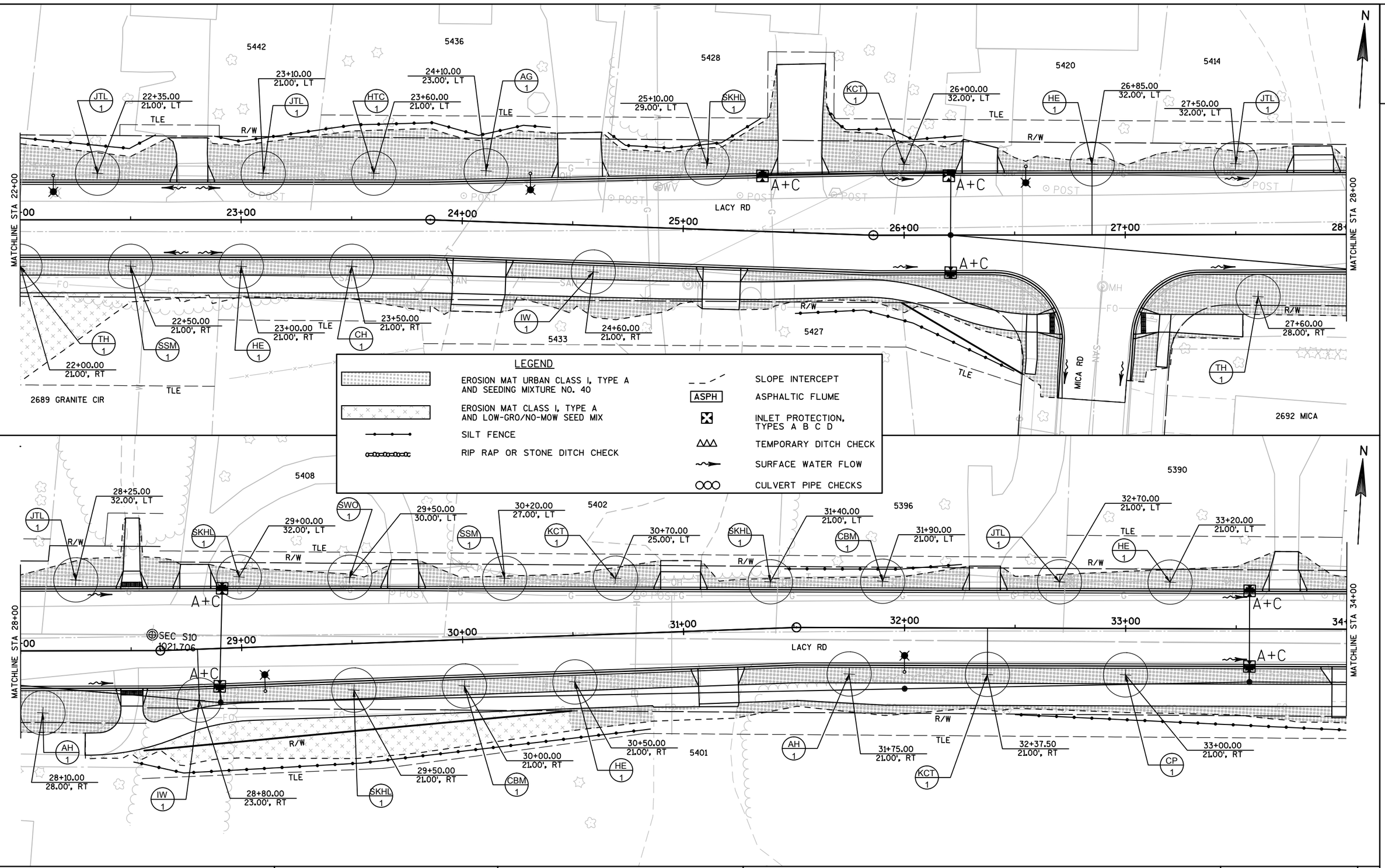
LEGEND

- EROSION MAT URBAN CLASS I, TYPE A AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS I, TYPE A AND LOW-GRO/NO-MOW SEED MIX
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- ASPH — ASPHALTIC FLUME
- INLET PROTECTION, TYPES A B C D
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- CULVERT PIPE CHECKS





PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 52	E



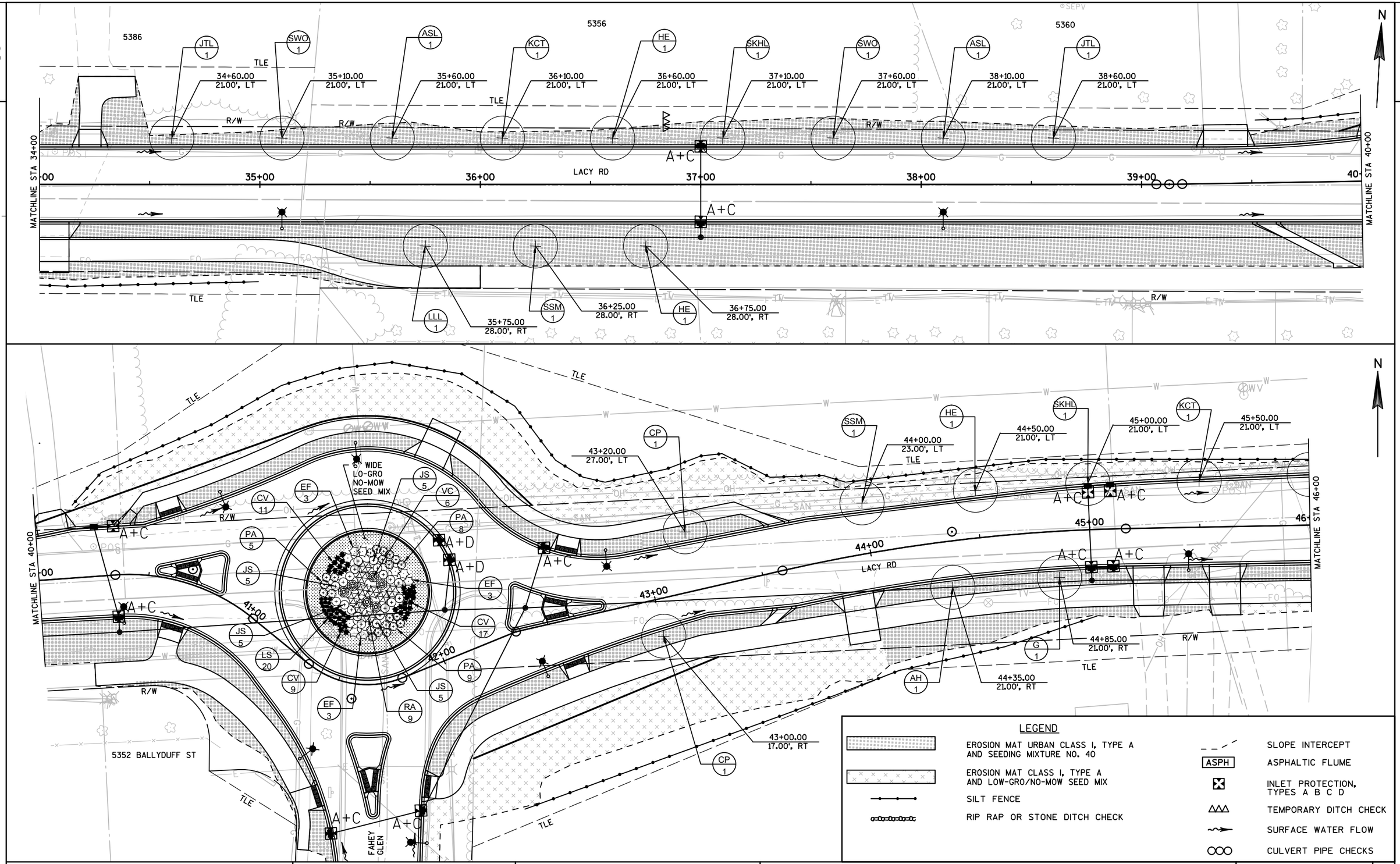
LEGEND

- EROSION MAT URBAN CLASS I, TYPE A AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS I, TYPE A AND LOW-GRO/NO-MOW SEED MIX
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- ASPH — ASPHALTIC FLUME
- INLET PROTECTION, TYPES A B C D
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- CULVERT PIPE CHECKS

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 53	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022001_EC.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : DAVID YAHNKE PLOT NAME : ----------

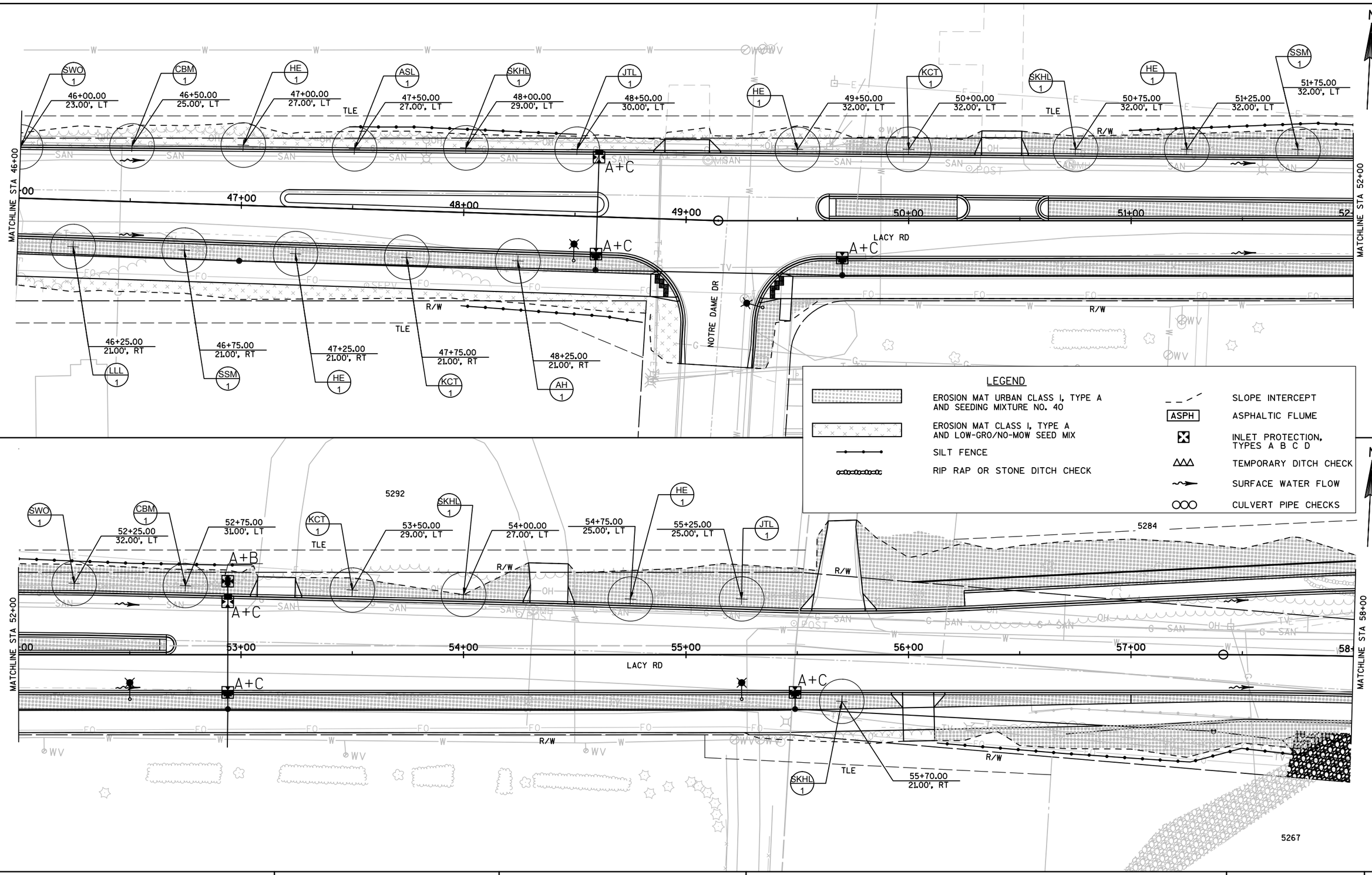
2



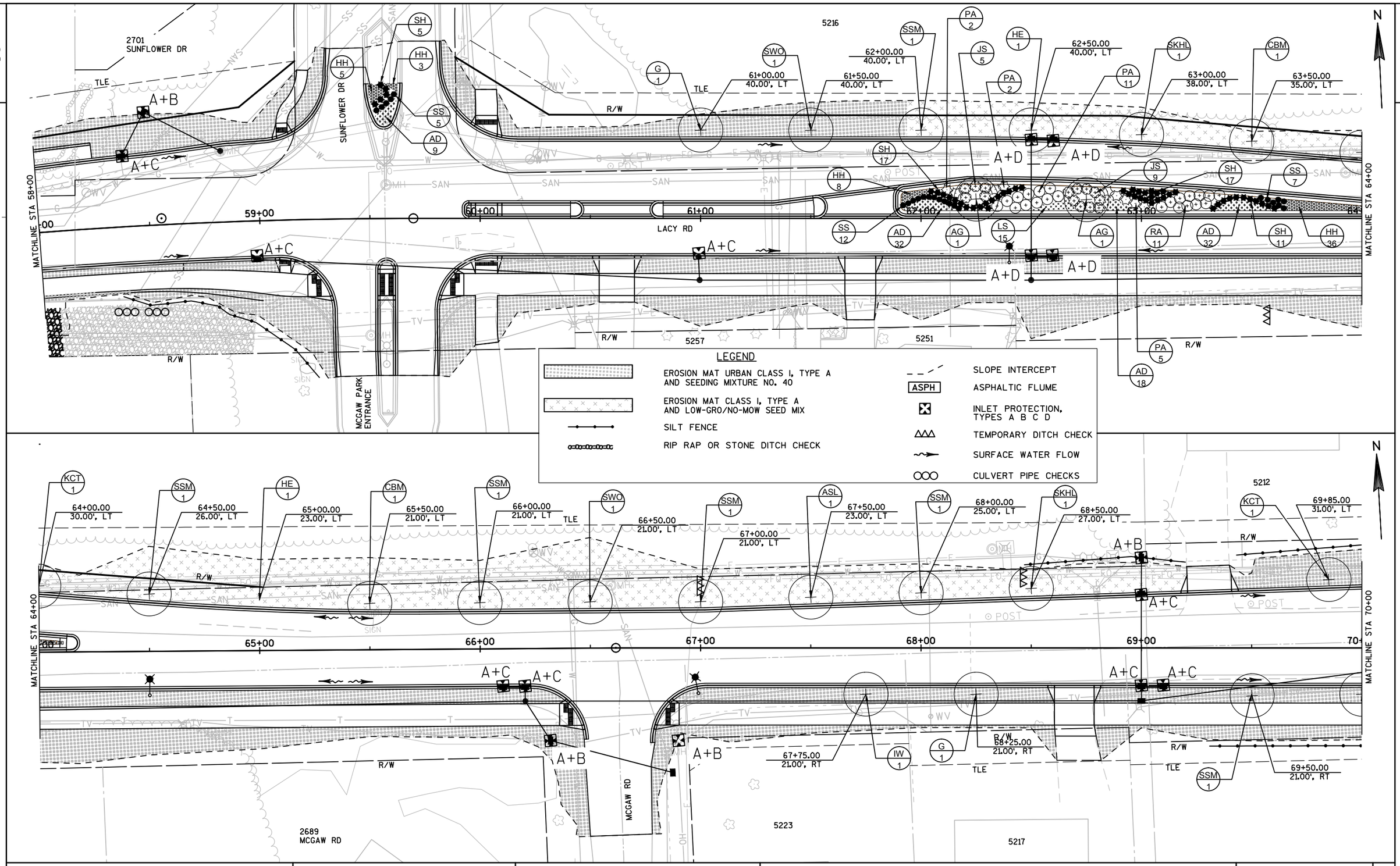
LEGEND

- EROSION MAT URBAN CLASS I, TYPE A AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS I, TYPE A AND LOW-GRO/NO-MOW SEED MIX
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- ASPH — ASPHALTIC FLUME
- INLET PROTECTION, TYPES A B C D
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- CULVERT PIPE CHECKS

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 54	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 55	E



PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 56	E

2701
JONES FARM DR

JONES FARM RD

LACY RD

N. PARK LANE

SYENE RD

MATCHLINE STA 70+00

MATCHLINE STA 76+00

MATCHLINE STA 82+00

TLE

R/W

A+B

A+C

ASPH

SWO 1

JTL 1

HH 12

PA 5

AD 6

SH 15

RA 5

SH 4

PA 1

SS 3

AD 9

LS 9

LS 9

AD 5

HE 1

SS 5

SH 10

IW 1

LLL 1

TH 1

AH 1

SSM 1

HE 1

PE 1

AH 1

CBM 1

CH 1

70+35.00
34.00', LT

70+85.00
32.00', LT

72+70.00
28.00', LT

73+20.00
24.00', LT

70+00.00
21.00', RT

70+50.00
21.00', RT

71+00.00
21.00', RT

71+75.00
21.00', RT

72+25.00
21.00', RT

72+75.00
21.00', RT

73+25.00
21.00', RT

73+75.00
21.00', RT

5197

74+40.00
25.00', RT

75+00.00
21.00', RT

75+50.00
21.00', RT

72+00

73+00

74+00

75+00

76+

77+00

78+00

79+00

80+00

81+00

82+

LEGEND

EROSION MAT URBAN CLASS I, TYPE A AND SEEDING MIXTURE NO. 40

EROSION MAT CLASS I, TYPE A AND LOW-GRO/NO-MOW SEED MIX

SILT FENCE

RIP RAP OR STONE DITCH CHECK

SLOPE INTERCEPT

ASPH — ASPHALTIC FLUME

INLET PROTECTION, TYPES A B C D

TEMPORARY DITCH CHECK

SURFACE WATER FLOW

CULVERT PIPE CHECKS

SSM 1
77+40.00
21.00', RT

77+90.00
21.00', RT

HE 1

KCT 1

78+40.00
21.00', RT

PT: 107+69.20'SS'

109+00'SS'

108+00'SS'

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL AND LANDSCAPING PLAN	SHEET 57	E

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS I, TYPE A AND LOW-GRO/NO-MOW SEED MIX
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- ASPH — ASPHALTIC FLUME
- INLET PROTECTION, TYPES A B C D
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- CULVERT PIPE CHECKS

N

79+00

80+00

81+00

82+00

LACY ROAD

R/W

GRADING LIMITS

TLE

GRADING LIMITS

898.00

898.00

896.00

CAUTION

EXISTING CULVERT

EXISTING SHARED-USE PATH TO REMAIN

SYENE RD

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	EROSION CONTROL	SHEET 58	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022002_EC-SYENE.DWG
LAYOUT NAME - 022007_EC-SYENE

PLOT DATE : 10/26/2016 3:42 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

Sym	Scientific Name	Common Name	Planting Size	Root Cond.	Avg. Mature Size (h x w)	Spacing	Minimum Size				Brace	Fert. Units Req'd	Rodent Protect Req'd	Mulch Ring Diam.
							Ball/Pot		Plant Hole					
							Dia.	Depth	Dia.	Depth				
Shade trees														
AH	Carpinus caroliniana 'Firespire'	American Hornbeam	2.5" cal.	B&B	20' x 20'	-	28"	17"	52"	17"	yes	3	yes	64"
ASL	Tilia Americana	American Sentry Linden	#25	cont.	45' x 30'	-	28"	17"	52"	17"	yes	3	yes	64"
CBM	Acer freemanii 'Celzam'	Maple, Celebration	2.5" cal.	B&B	45' x 20'	-	28"	17"	52"	17"	yes	3	yes	64"
CH	Celtis occidentalis 'Prairie Pride'	Common Hackberry	2.5" cal.	B&B	40' x 40'	-	28"	17"	52"	17"	yes	3	yes	64"
CP	Pyrus calleryana 'Autumn Blaze'	Callery Pear	2.5" cal.	B&B	40' x 30'	-	28"	17"	52"	17"	yes	3	yes	64"
G	Ginkgo biloba 'Autumn Gold'	Ginkgo (Maidenhair Tree)	2.5" cal.	B&B	45' x 25'	-	28"	17"	52"	17"	yes	3	yes	64"
HE	Ulmus americana 'Homestead Regal' or 'Frontier'	Elm, Hybrid	2.5" cal.	B&B	35' x 25'	-	28"	17"	52"	17"	yes	3	yes	64"
IW	Ostrya virginiana or American Hop-hornbeam	Ironwood	2.5" cal.	B&B	20' x 20'	-	28"	17"	52"	17"	yes	3	yes	64"
KCT	Gymnocladus dioicus 'Espresso-JFS' or Other Male Only	Kentuckey Coffeetree	2.5" cal.	B&B	60' x 45'	-	28"	17"	52"	17"	yes	3	yes	64"
LLL	Tilia cordata 'Greenspire'	Littleleaf Linden	2.5" cal.	B&B	60' x 40'	-	28"	17"	52"	17"	yes	3	yes	64"
PE	Ulmus americana 'Princeton'	Elm	2.5" cal.	B&B	60' x 40'	-	28"	17"	52"	17"	yes	3	yes	64"
SKHL	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust (Thornless)	2.5" cal.	B&B	30' x 30'	-	28"	17"	52"	17"	yes	3	yes	64"
SSM	Acer miyabei 'Morton'	Maple, State Street	2.5" cal.	B&B	35' x 35'	-	28"	17"	52"	17"	yes	3	yes	64"
SWO	Quercus Bicolor	Swamp White Oak	#25	cont.	60' x 50'	-	28"	17"	52"	17"	yes	3	yes	64"
TH	Corylus colurna	Turkish Hazelnut	2.5" cal.	B&B	60' x 40'	-	28"	17"	52"	17"	yes	3	yes	64"
Ornamental trees														
AG	Amelanchier x grandiflora ' Autumn Brilliance'	Autumn Brilliance Serviceberry	2" cal. (single)	B&B	20' x 20'	-	24"	14"	48"	14"	yes	3	no	60"
ER	Cercis canadensis 'Columbus'	Eastern Redbud	2.5" cal.	B&B	20' x 30'	-	24"	14"	48"	14"	yes	3	no	60"
HTC	Crataegus viridis 'Winter King'	Hawthorn	2.5" cal.	B&B	20' x 20'	-	24"	14"	48"	14"	yes	3	no	60"
JTL	Syringa reticulata 'Ivory Silk'	Japanese Tree Lilac	2.5" cal.	B&B	30' x 30'	-	28"	14"	48"	14"	yes	3	no	60"
Deciduous shrubs														
RA	Rhus aromatica 'Gro Low'	Gro-Low Sumac	#3	cont.	3' x 6'	6' o.c.	14"	10"	38"	10"	no	2	no	50"
VC	Viburnum carlesii 'Spice Island'	Spice Island Koreanspice Viburnum	#3	cont.	5' x 6'	6' o.c.	14"	10"	38"	10"	no	2	no	50"
Evergreen shrubs														
EF	Euonymus fortunei 'Emerald Gaiety'	Emerald Green Wintercreeper	#1	cont.	4' x 4'	4' o.c.	10"	6.5"	34"	6.5"	no	2	no	50"
JS	Juniperus sabina 'Buffalo'	Buffalo Juniper	#3	cont.	12" x 5'	5' o.c.	14"	10"	38"	10"	no	2	no	50"
Perennials														
AD	Aster dumosus 'Woods Blue'	Woods Blue Aster	#1	cont.	18" x 12"	2' o.c.	10"	6.5"	34"	6.5"	no	2	no	46"
CV	Coreopsis verticillata 'Moonbeam'	Moonbeam Coreopsis	#1	cont.	18" x 18"	3' o.c.	10"	6.5"	34"	6.5"	no	2	no	46"
HH	Hemerocallis 'Happy Returns'	Happy Returns Daylily	#1	cont.	18" x 18"	3' o.c.	10"	6.5"	34"	6.5"	no	2	no	46"
LS	Liatris spicata 'Kobold'	Kobold Gayfeather	#1	cont.	2' x 12"	2' o.c.	10"	6.5"	34"	6.5"	no	2	no	46"
PA	Perovskia atriplicifolia	Russian Sage	#1	cont.	4' x 4'	3' o.c.	10"	6.5"	34"	6.5"	no	2	no	50"
SS	Sedum spectabile 'Autumn Joy'	Autumn Joy Stonecrop	#1	cont.	18" x 18"	3' o.c.	10"	6.5"	34"	6.5"	no	2	no	46"
SH	Sporobolus heterolepis 'Tara'	Tara Prairie Dropseed	#1	cont.	2' x 2'	2.5' o.c.	10"	6.5"	34"	6.5"	no	1	no	46"

GENERAL NOTES:

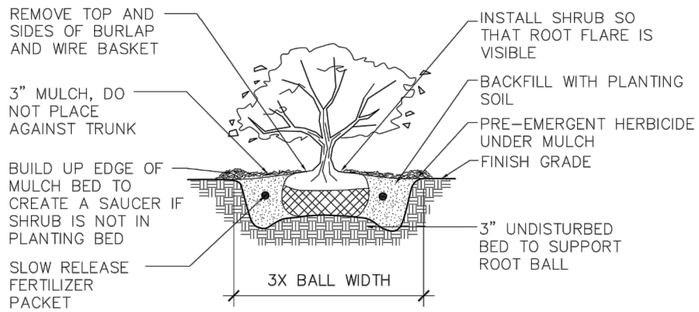
1. ALL PLANTINGS SHALL CONFORM TO QUALITY REQUIREMENTS AS PER ANSI Z60.1

2. BACKFILL PLANTING AREA WITH TOPSOIL/COMPOST MIX (MIN. 30% COMPOST) TO 18" DEPTH MIN. GRADE PLANTING AREA FOR POSITIVE DRAINAGE - DO NOT ALLOW PONDING WITHIN THE PLANTING AREA.

3. ALL PLANTING BEDS TO BE MULCHED WITH NATURAL COLORED SHREDDED HARDWOOD BARK MULCH TO 3" DEPTH MIN. DO NOT ALLOW MULCH TO MOUND AGAINST BASES OF PLANTS.

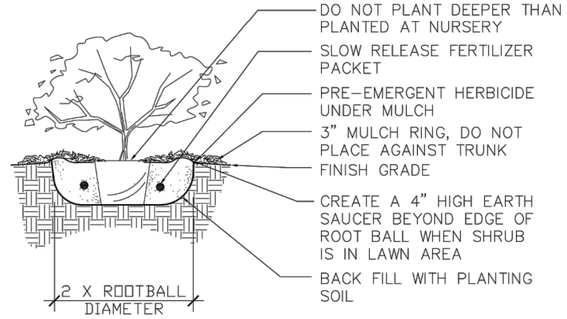
4. AREAS LABELED "NO-MOW SEED MIX" TO BE SEEDED WITH LOW-GROW/NO-MOW SEED MIX AT 5 POUNDS PER 1000 SQUARE FEET. PROTECT SEED WITH CLEAN STRAW MAT AND MAINTAIN UNTIL ESTABLISHED.

2



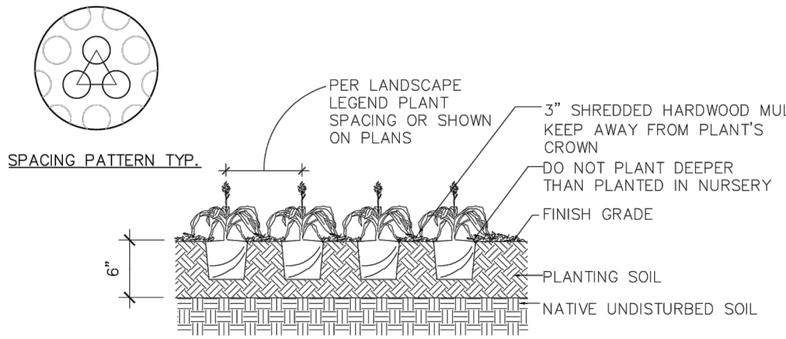
2 / L200 **B&B SHRUB PLANTING DETAIL**

NTS



3 / L200 **CONTAINER SHRUB PLANTING DETAIL**

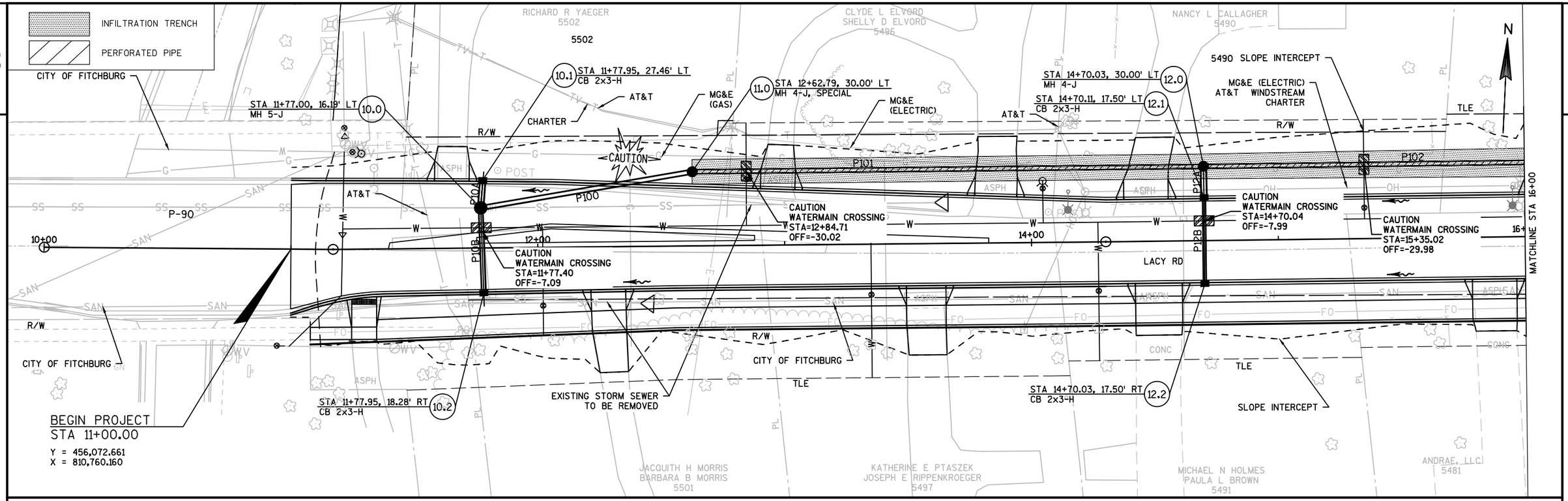
NTS

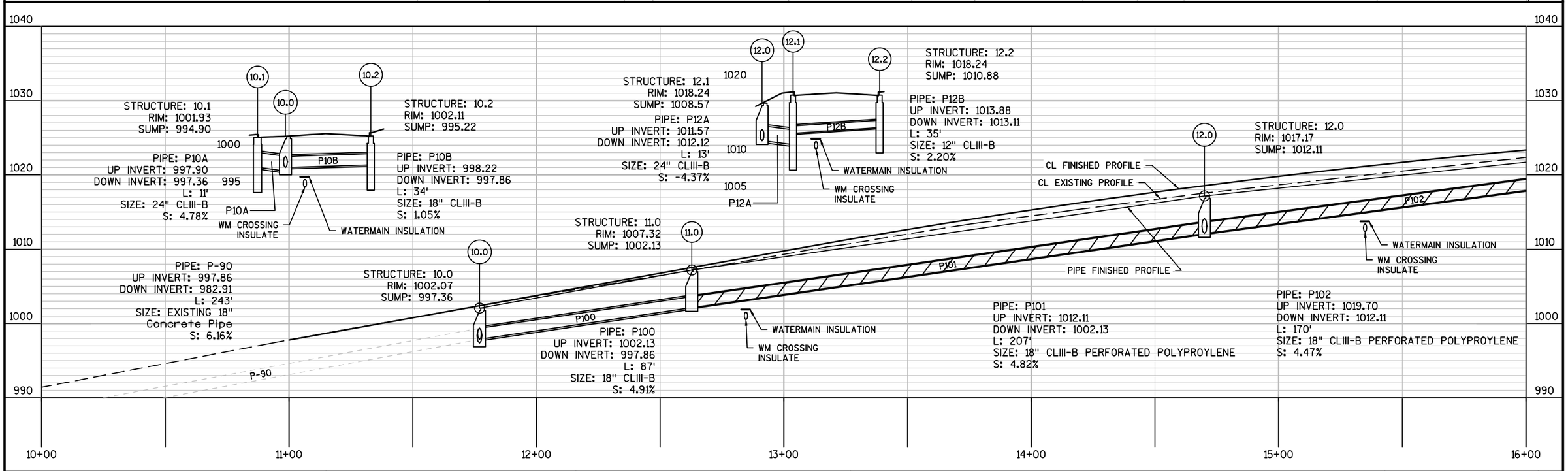


4 / L200 **GROUNDCOVER/PERENNIAL/BULB PLANTING DETAIL**

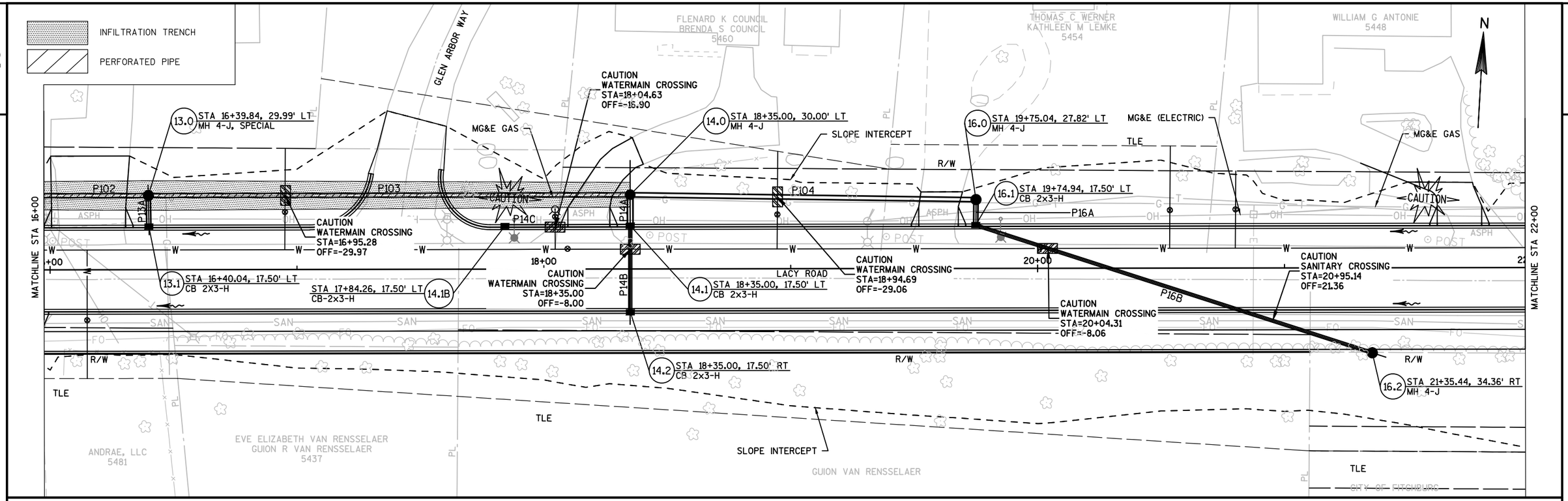
NTS

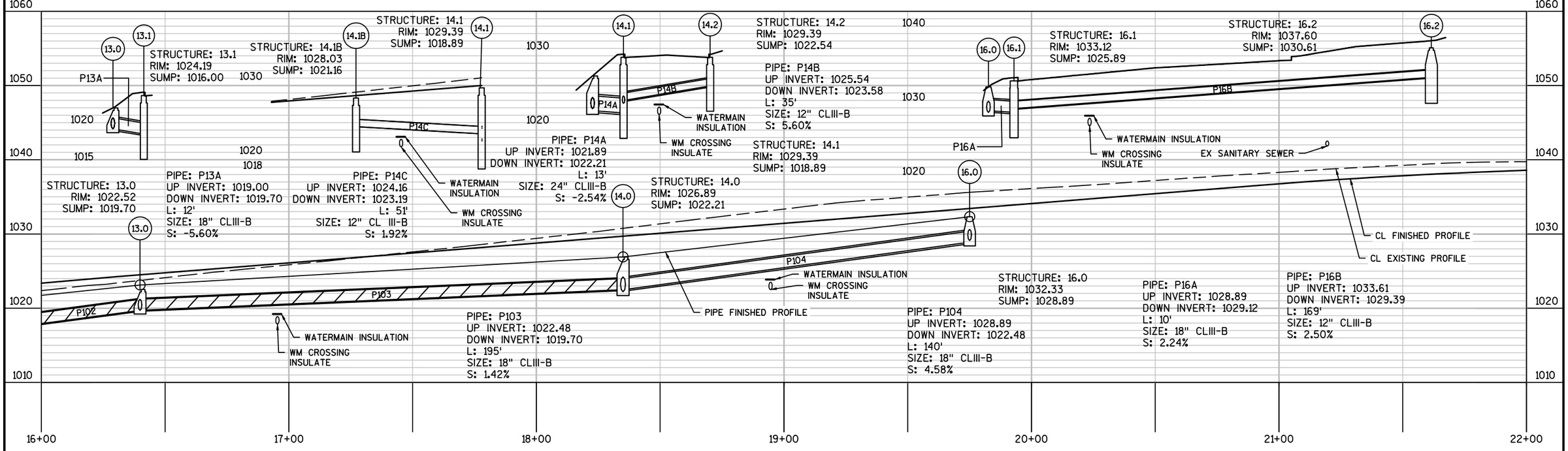
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	EROSION CONTROL AND LANDSCAPING PLAN DETAILS	SHEET 60	E





PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 61	E





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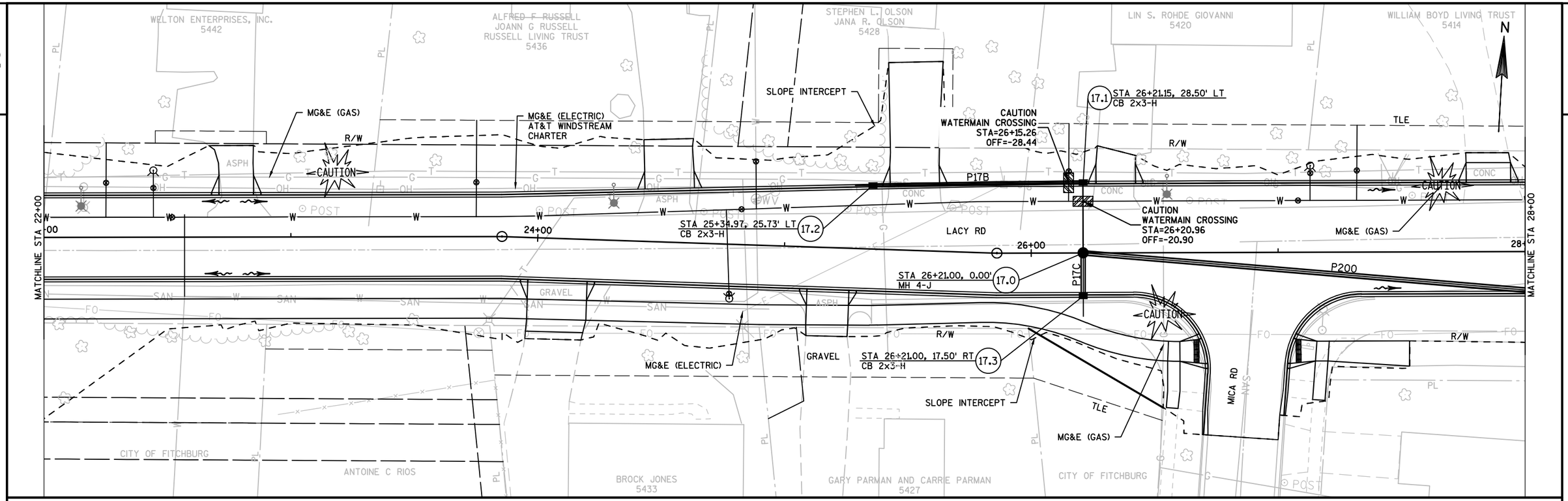

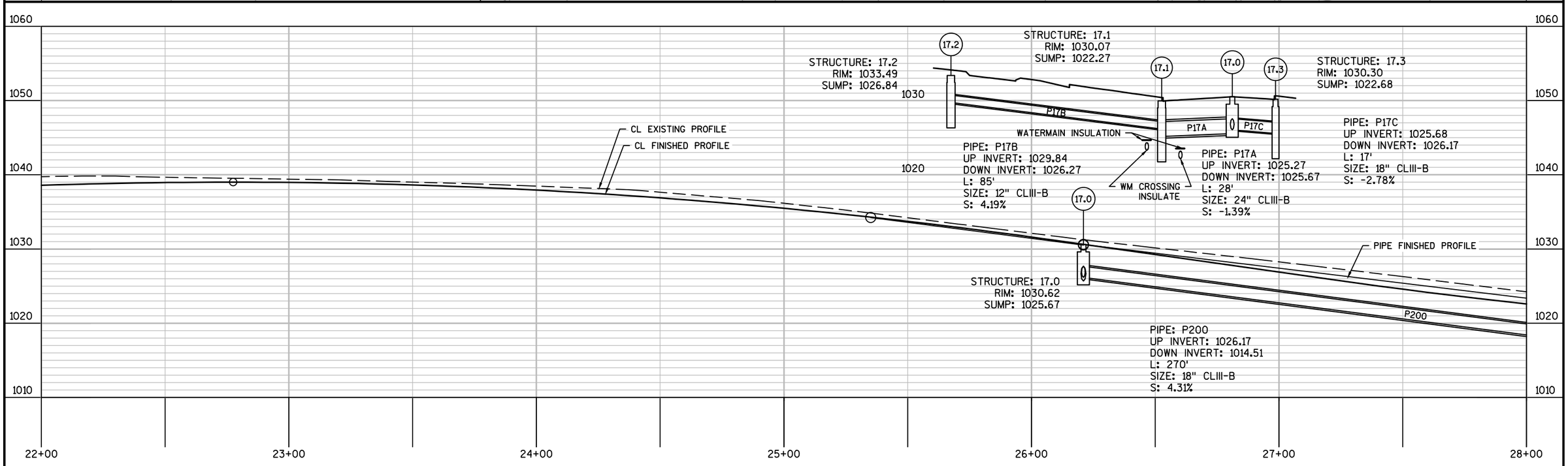

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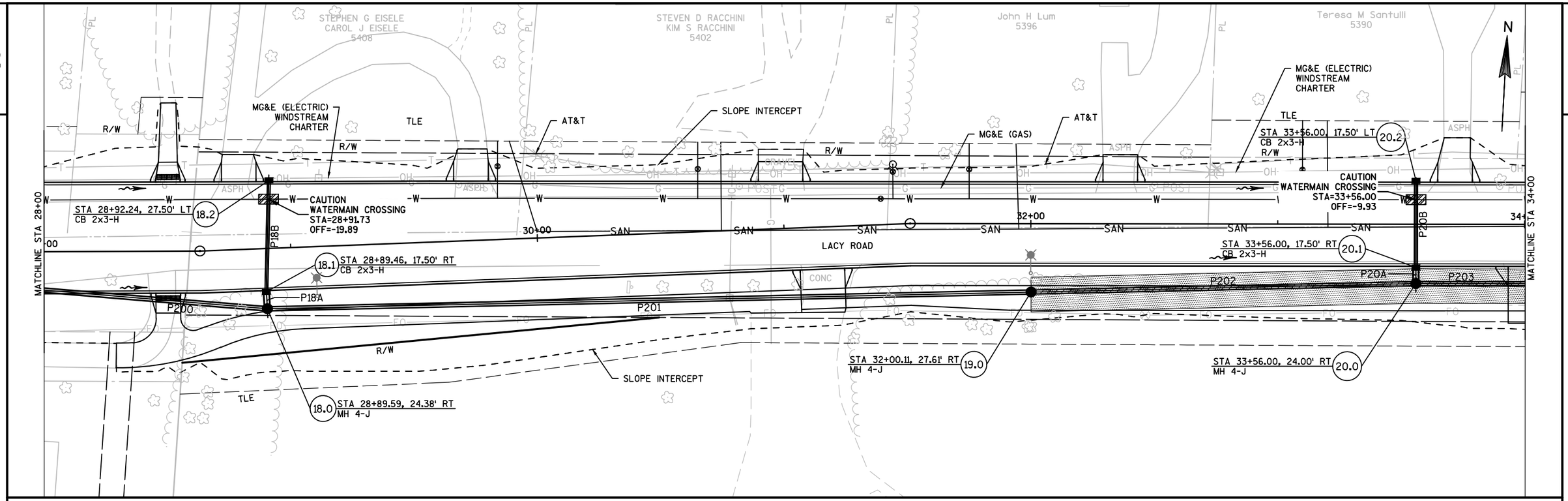
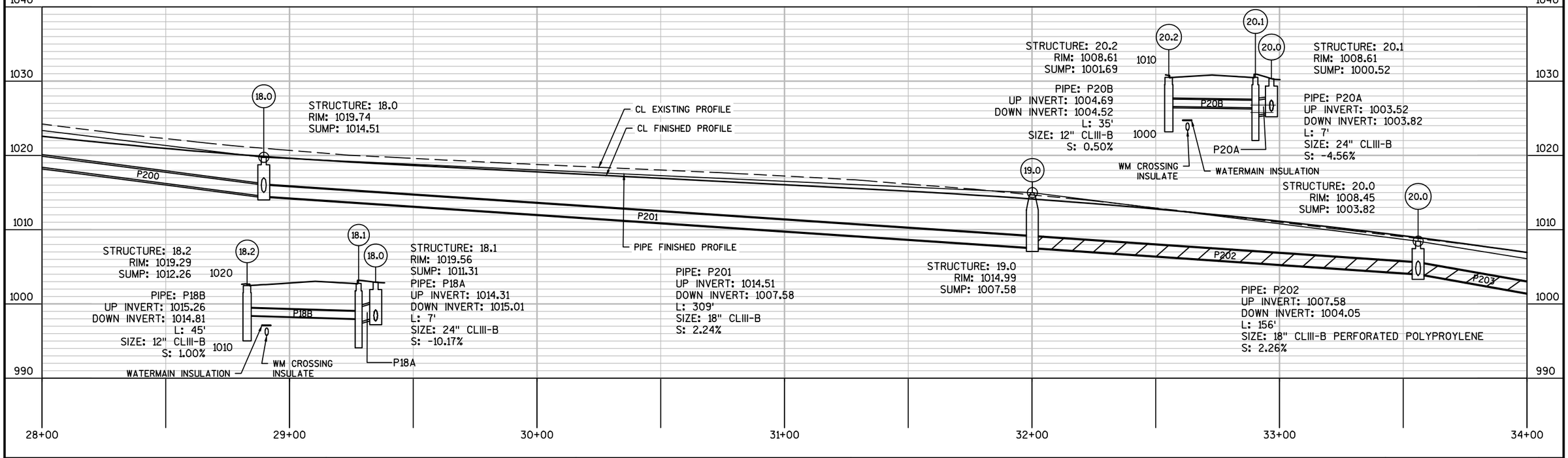
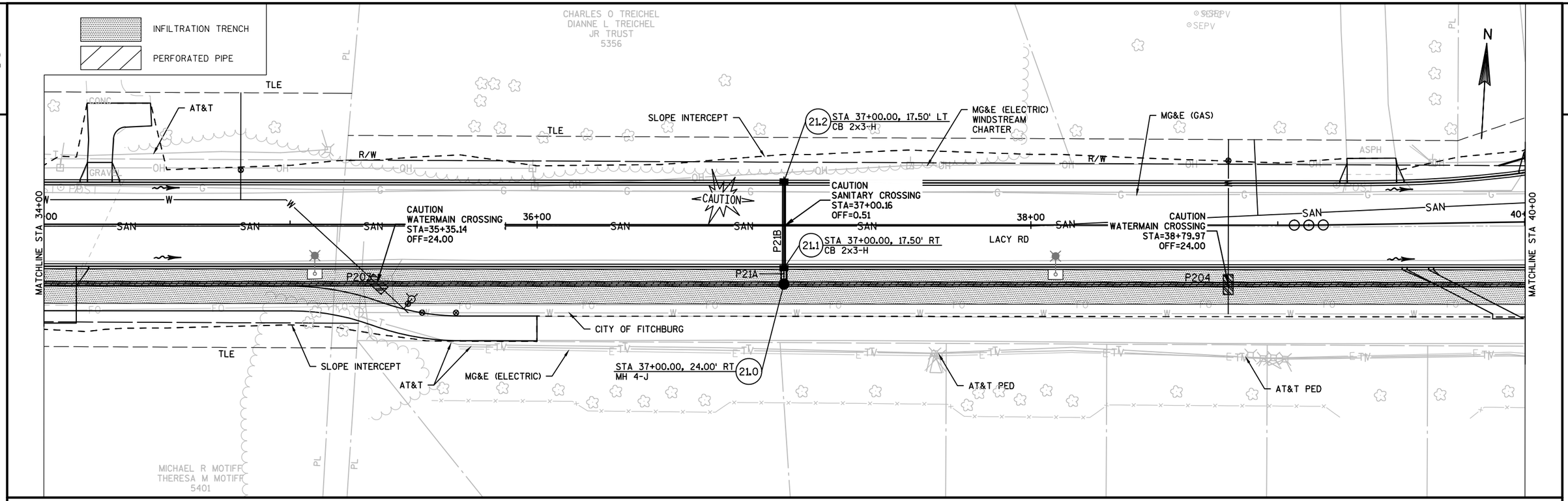


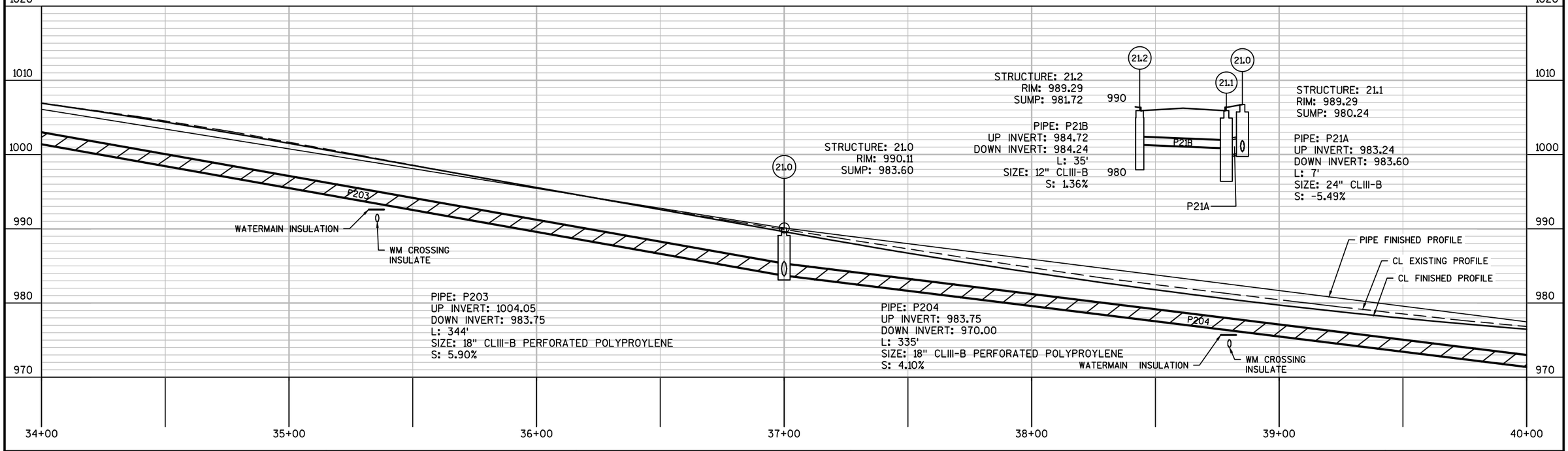


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 64	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022504_SS

PLOT DATE : 1/6/2017 11:49 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 65	E

INFILTRATION TRENCH

PERFORATED PIPE

22.2 STA 40+26.53, 22.55' LT
CB 2x3-H

CITY OF FITCHBURG

CAUTION
SANITARY CROSSING
STA=40+30.13
OFF=-8.64

CAUTION
SANITARY CROSSING
STA=41+83.95
OFF=-29.54

CAUTION
WATERMAIN CROSSING
STA=41+50.78
OFF=-30.84

MATCHLINE STA 40+00

R/W
CITY OF FITCHBURG

AT&T PED

22.0 STA 40+34.85, 25.99' RT
MH 5-J

22.1 STA 40+35.10, 19.50' RT
CB 2X3-H

MG&E (GAS)

MG&E (ELECTRIC)

SLOPE INTERCEPT

TLE

STA 41+56.85, 68.75' RT
CB 2x3-H
24.3

FAHEY GLEN

P204 P205 P206 P207 P208 P22A P22B P23A P23B P24A P24B P24C P24D P26A P26B P26C P26D P240

23.2 STA 42+18.78, 51.73' LT
CB 2x3-T

23.1 STA 42+19.97, 41.65' LT
CB 2x3-T

23.0 STA 42+08.96, 21.29' LT
MH 4-J

24.1 STA 42+56.22, 34.69' LT
CB 2X3-H

CITY OF FITCHBURG

SLOPE INTERCEPT

MG&E (ELECTRIC)
WINDSTREAM
CHARTER

TLE

MG&E (GAS)

24.0 STA 42+41.65, 9.60' LT
MH 5x5-J

24.2 STA 41+73.65, 60.12' RT
CB 2x3-H

CAUTION
SANITARY CROSSING
STA=41+65.48
OFF=62.06

SAMUEL L COOKE III
KAYE E COOKE
5335

LACY RD

STA 45+00.10, 17.50' RT
CB 2x3-H
26.1

STA 45+00.09, 23.07' RT
MH 5-J
26.0

SLOPE INTERCEPT

TLE

CHARTER

26.3 STA 44+99.91, 19.85' LT
CB 2x3-H

26.4 STA 45+09.86, 20.17' LT
CB 2X3-H

CAUTION
SANITARY CROSSING
STA=44+99.88
OFF=-17.01

26.1 STA 45+00.10, 17.50' RT
CB 2x3-H

CAUTION
WATERMAIN CROSSI
STA=45+37.23
OFF=23.39

R/W

26.2 STA 45+10.34, 17.50' RT
CB 2X3-H

STA 45+25 RT
CONSTRUCT PE

MATCHLINE STA 46+00

N

2

STRUCTURE: 23.2
RIM: 970.33
SUMP: 963.97

PIPE: P23B
UP INVERT: 966.97
DOWN INVERT: 966.91
L: 10'
SIZE: 12" CLIII-B
S: 0.61%

STRUCTURE: 23.1
RIM: 970.46
SUMP: 963.91

PIPE: P23A
UP INVERT: 966.91
DOWN INVERT: 966.79
L: 23'
SIZE: 12" CLIII-B
S: 0.53%

STRUCTURE: 24.1
RIM: 970.35
SUMP: 963.56

STRUCTURE: 24.2
RIM: 973.43
SUMP: 964.33

PIPE: P24A
UP INVERT: 966.56
DOWN INVERT: 966.38
L: 29'
SIZE: 12" CLIII-B
S: -0.60%

PIPE: P24B
UP INVERT: 967.33
DOWN INVERT: 966.38
L: 103'
SIZE: 12" CLIII-B
S: 0.92%

STRUCTURE: 24.3
RIM: 973.60
SUMP: 964.75

PIPE: P24C
UP INVERT: 967.75
DOWN INVERT: 967.33
L: 43'
SIZE: 12" CLIII-B
S: 0.98%

STRUCTURE: 26.3
RIM: 967.82
SUMP: 960.19

STRUCTURE: 26.4
RIM: 967.66
SUMP: 960.23

PIPE: P26D
UP INVERT: 963.23
DOWN INVERT: 963.19
L: 10'
SIZE: 12" CLIII-B
S: 0.47%

STRUCTURE: 26.1
RIM: 967.87
SUMP: 958.87

PIPE: P26A
UP INVERT: 961.87
DOWN INVERT: 962.34
L: 6'
SIZE: 24" CLIII-B
S: -8.47%

STRUCTURE: 26.2
RIM: 967.70
SUMP: 960.48

PIPE: P26B
UP INVERT: 963.48
DOWN INVERT: 962.87
L: 10'
SIZE: 12" CLIII-B
S: 6.11%

STRUCTURE: 22.0
RIM: 975.97
SUMP: 970.00

STRUCTURE: 23.0
RIM: 971.61
SUMP: 966.22

STRUCTURE: 24.0
RIM: 971.22
SUMP: 965.38

CL FINISHED PROFILE

CL EXISTING PROFILE

PIPE FINISHED PROFILE

EX SANITARY SEWER

STRUCTURE: 26.0
RIM: 967.80
SUMP: 961.98

STRUCTURE: 22.2
RIM: 975.11
SUMP: 968.01

STRUCTURE: 22.1
RIM: 975.17
SUMP: 966.48

PIPE: P22B
UP INVERT: 971.01
DOWN INVERT: 970.48
L: 43'
SIZE: 12" CLIII-B
S: 1.24%

PIPE: P22A
UP INVERT: 969.48
DOWN INVERT: 970.01
L: 6'
SIZE: 24" CLIII-B
S: -8.22%

WM CROSSING
INSULATE

WATERMAIN INSULATION

EX SANITARY SEWER

PIPE: P205
UP INVERT: 970.00
DOWN INVERT: 966.72
L: 148'
SIZE: 18" CLIII-B
S: 2.22%

PIPE: P206
UP INVERT: 966.22
DOWN INVERT: 965.38
L: 36'
SIZE: 24" CLIII-B
S: 2.29%

PIPE: P207
UP INVERT: 965.38
DOWN INVERT: 961.98
L: 257'
SIZE: 24" CLIII-B
S: 1.32%

PIPE: P26C
UP INVERT: 963.19
DOWN INVERT: 962.87
L: 37'
SIZE: 12" CLIII-B
S: 0.84%

PIPE: P208
UP INVERT: 961.98
DOWN INVERT: 956.84
L: 199'
SIZE: 24" CLIII-B
S: 2.58%

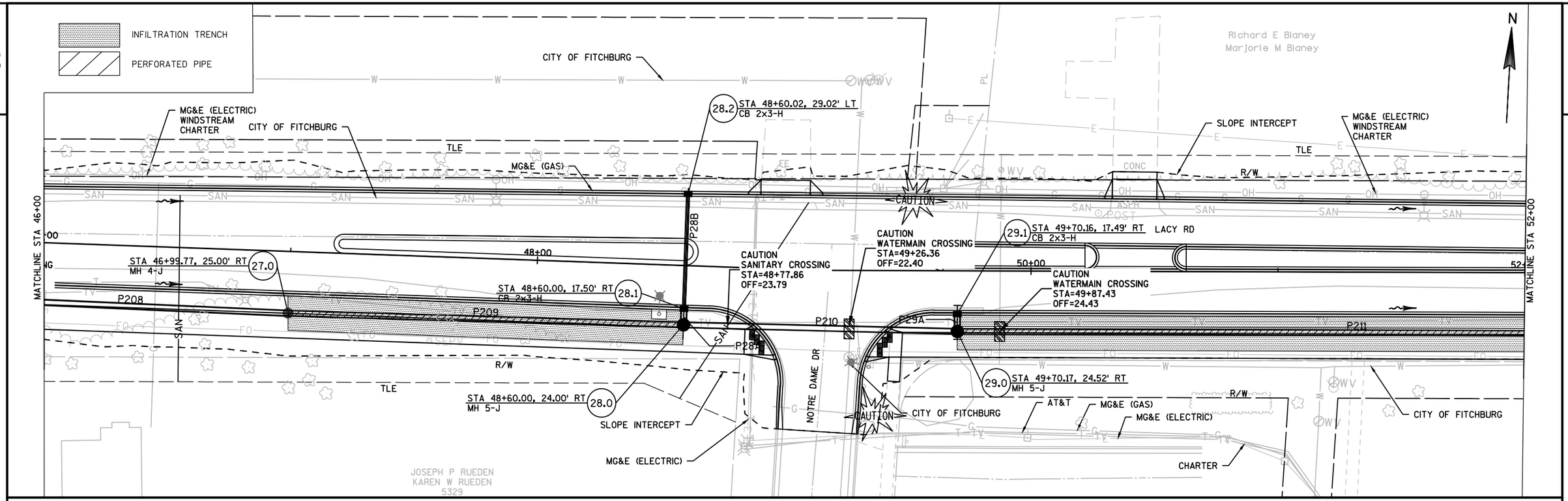
WATERMAIN INSULATION

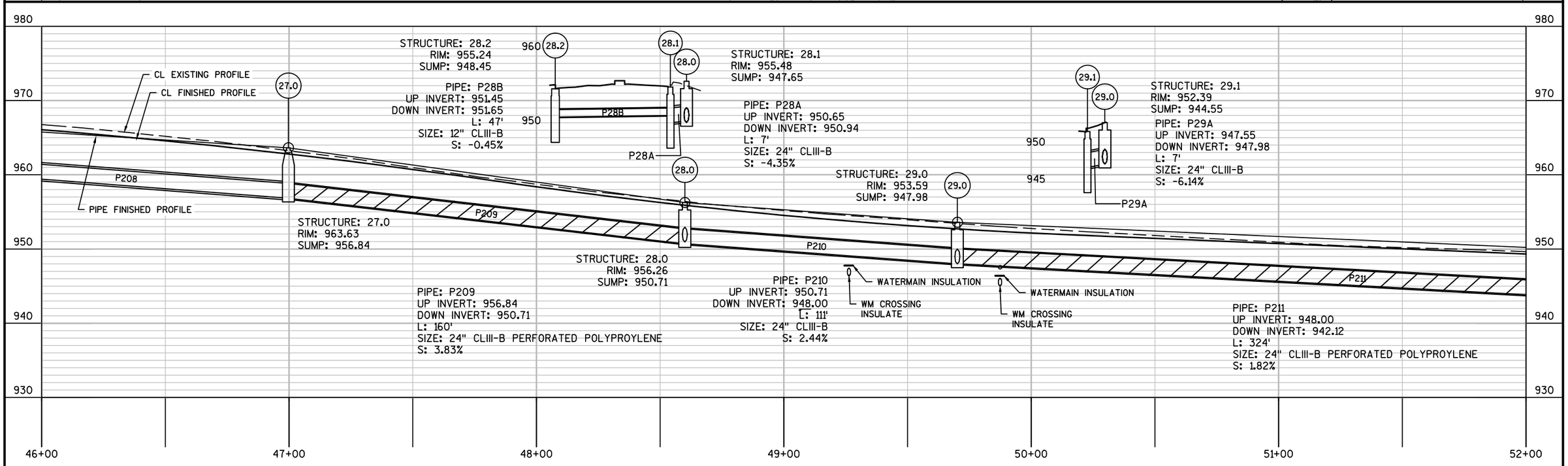
WM CROSSING
INSULATE

EX SANITARY SEWER

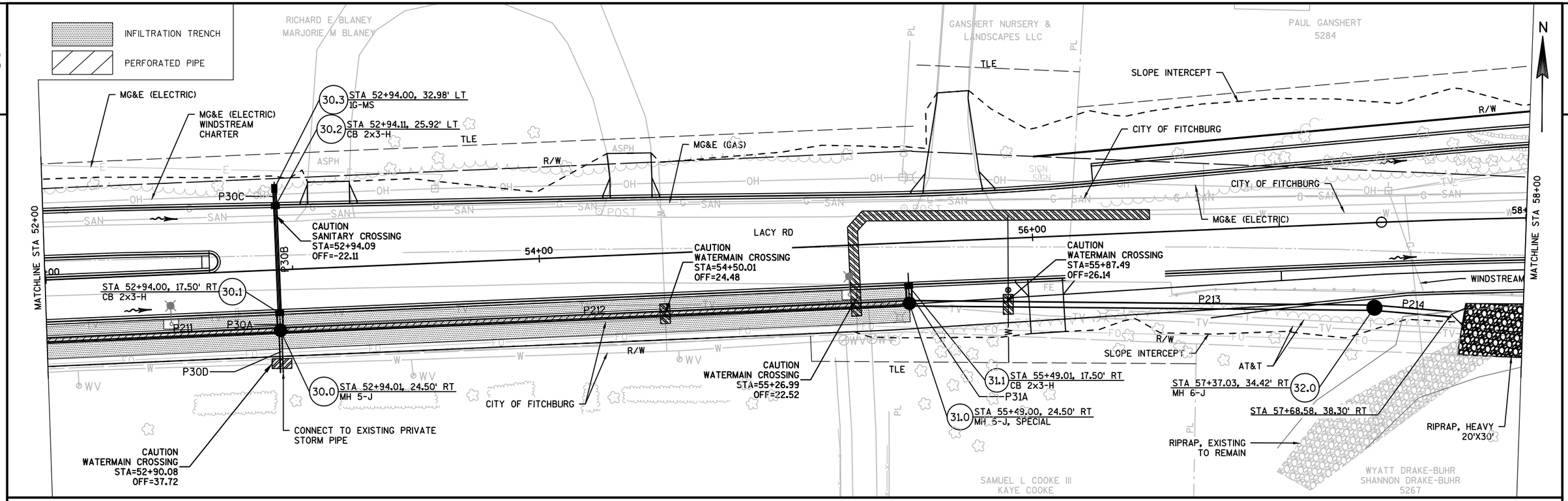
40+00 41+00 42+00 43+00 44+00 45+00 46+00

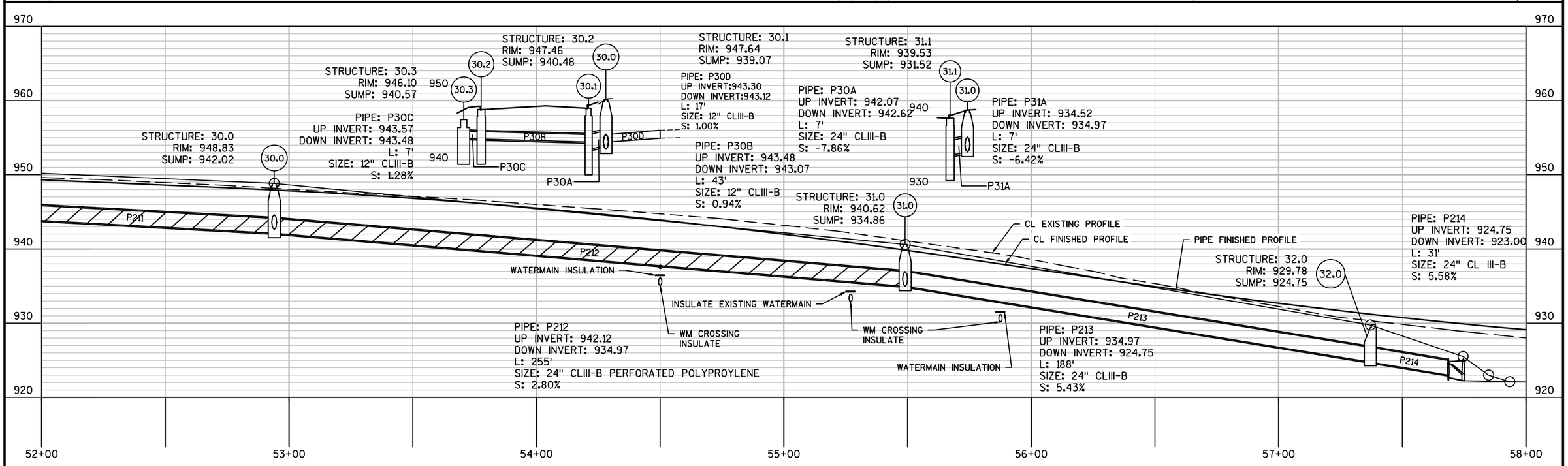
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 66	E



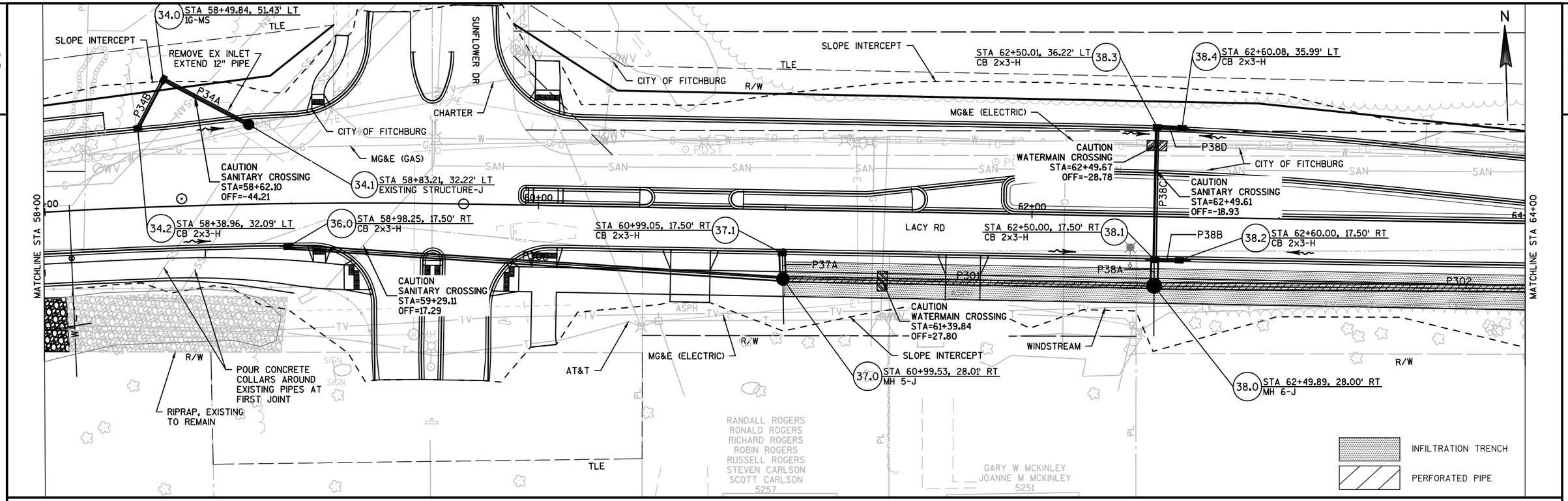


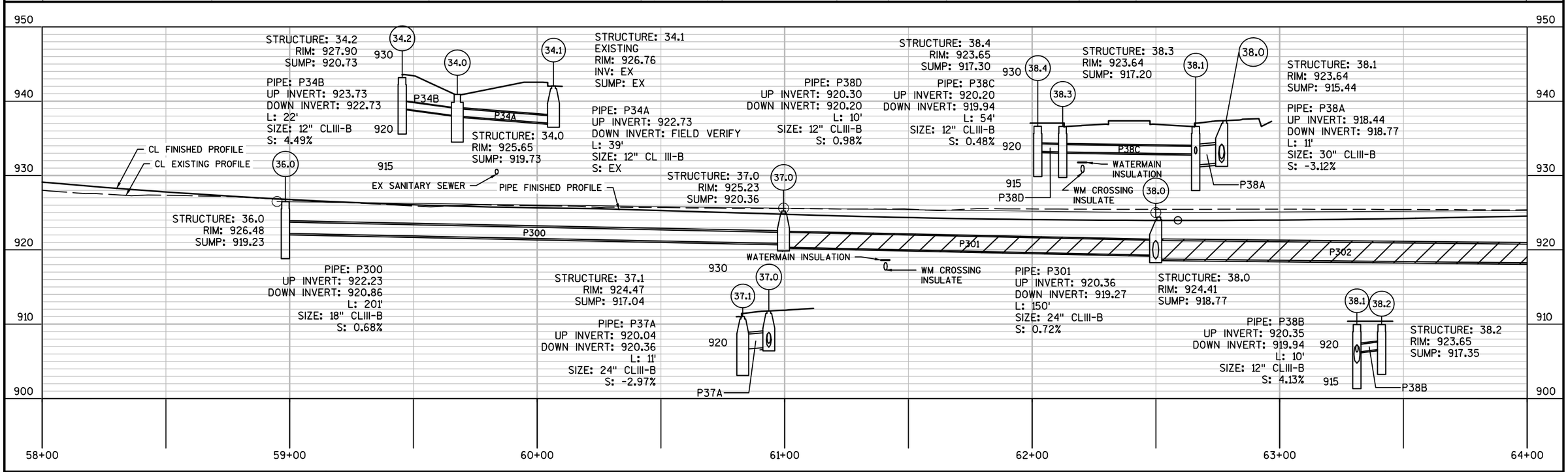
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 67	E



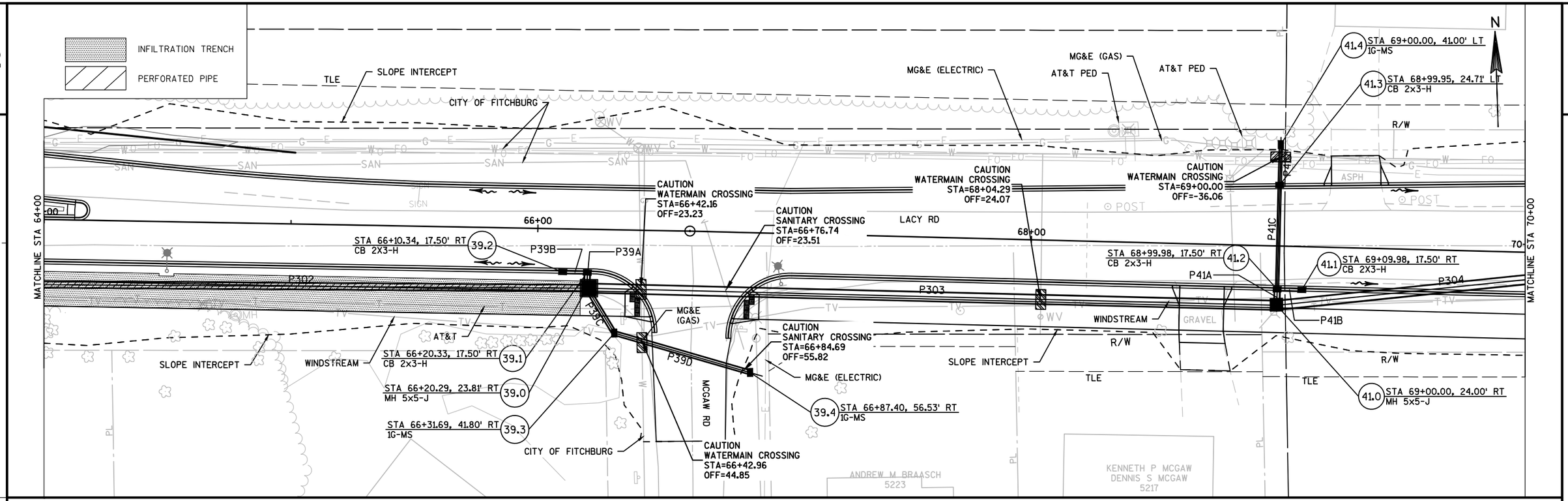


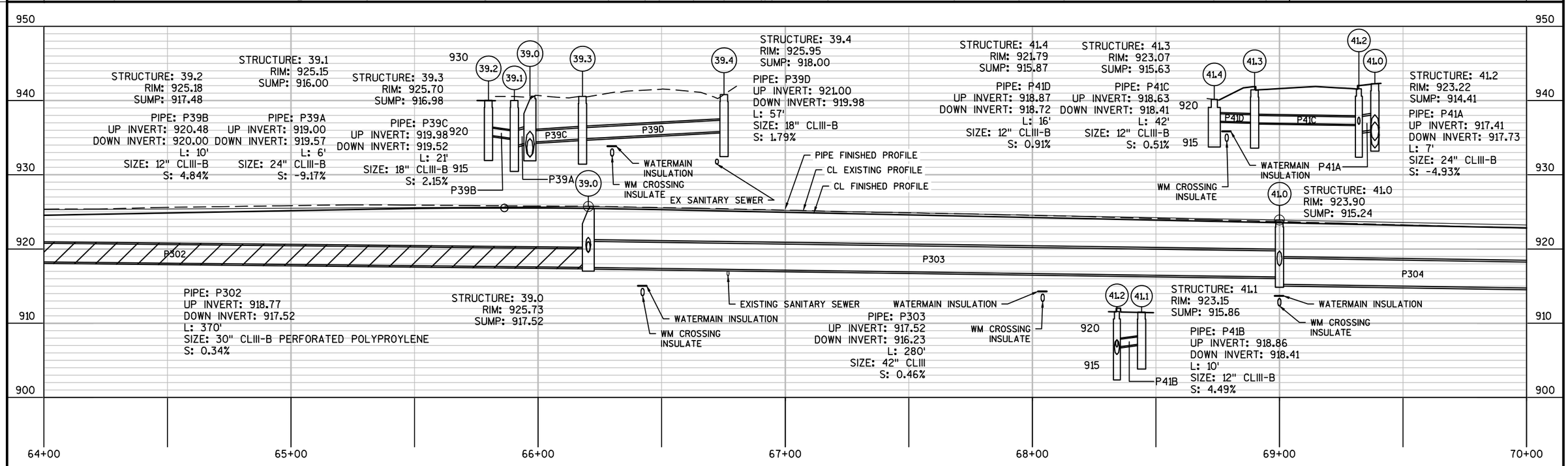
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 68	E





PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 69	E



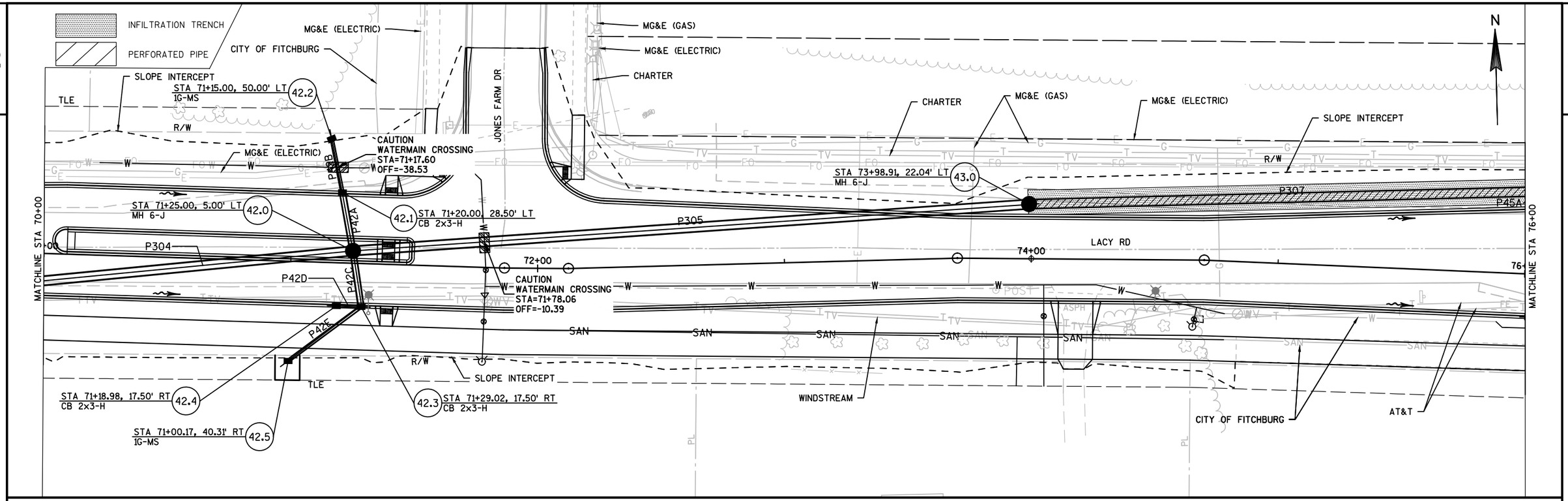


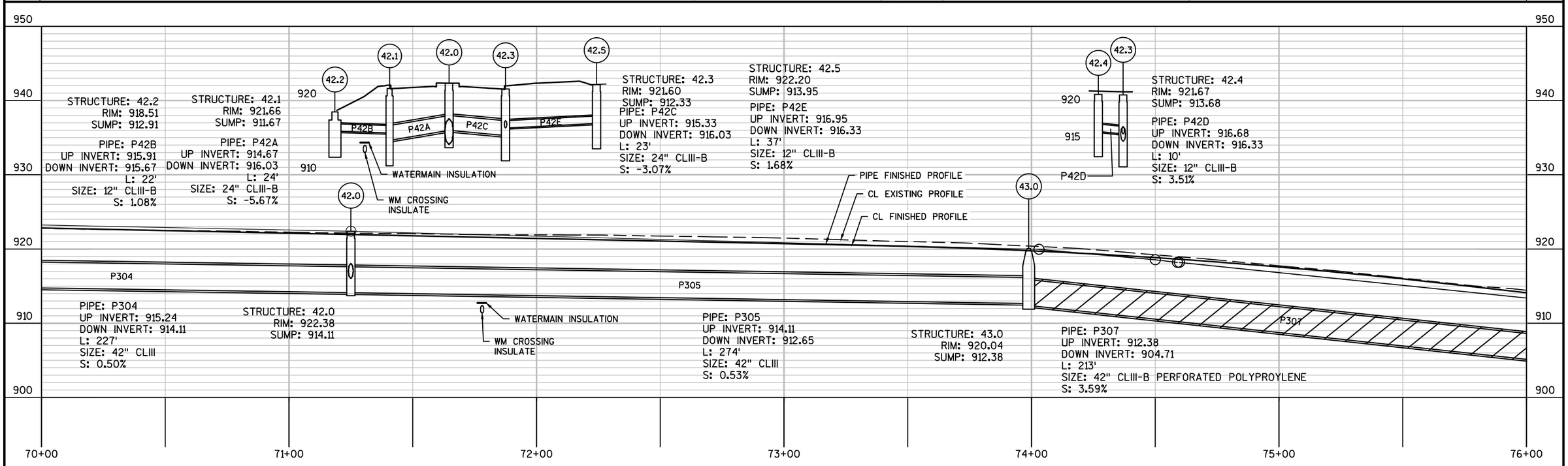
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 70	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022510_SS

PLOT DATE : 1/6/2017 11:50 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



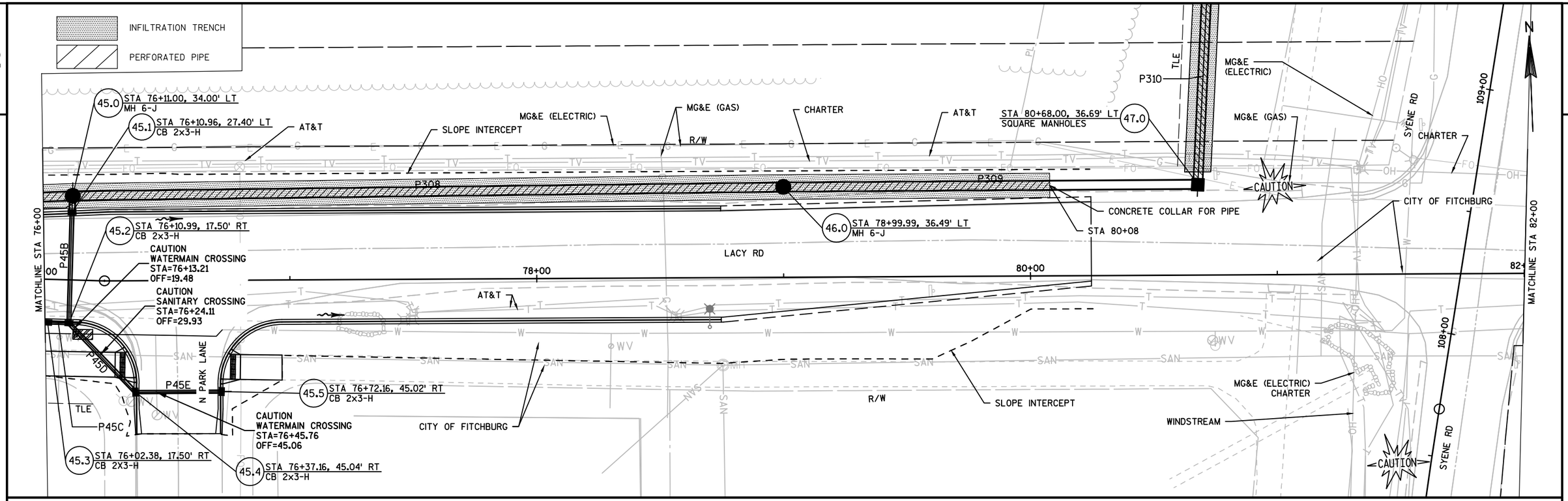


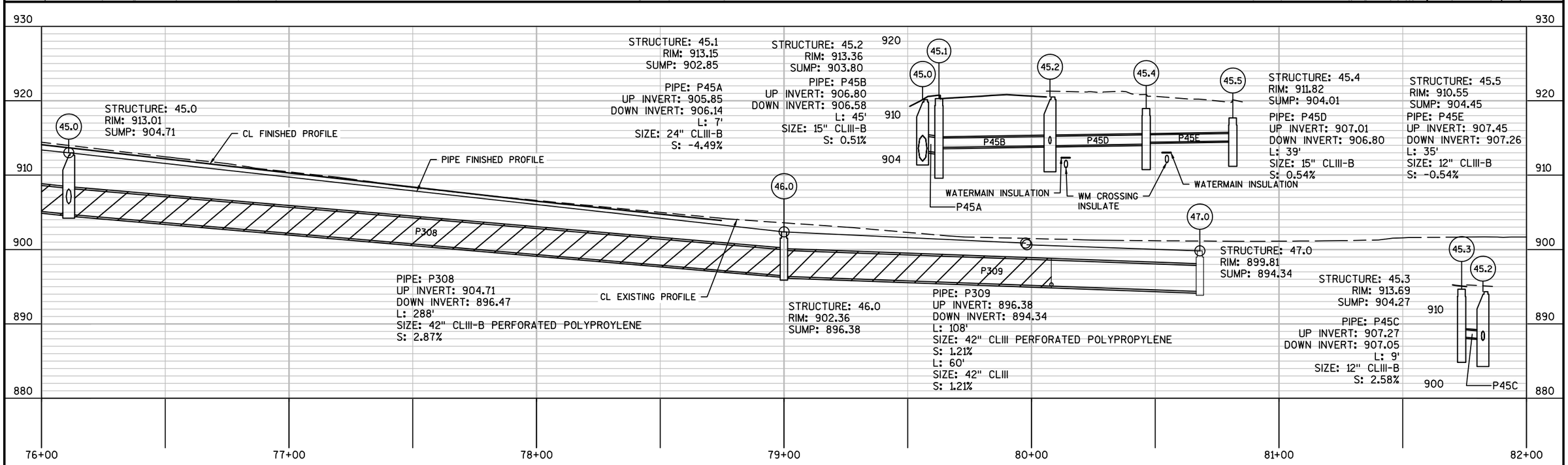
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 71	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022511_SS

PLOT DATE : 1/6/2017 11:51 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

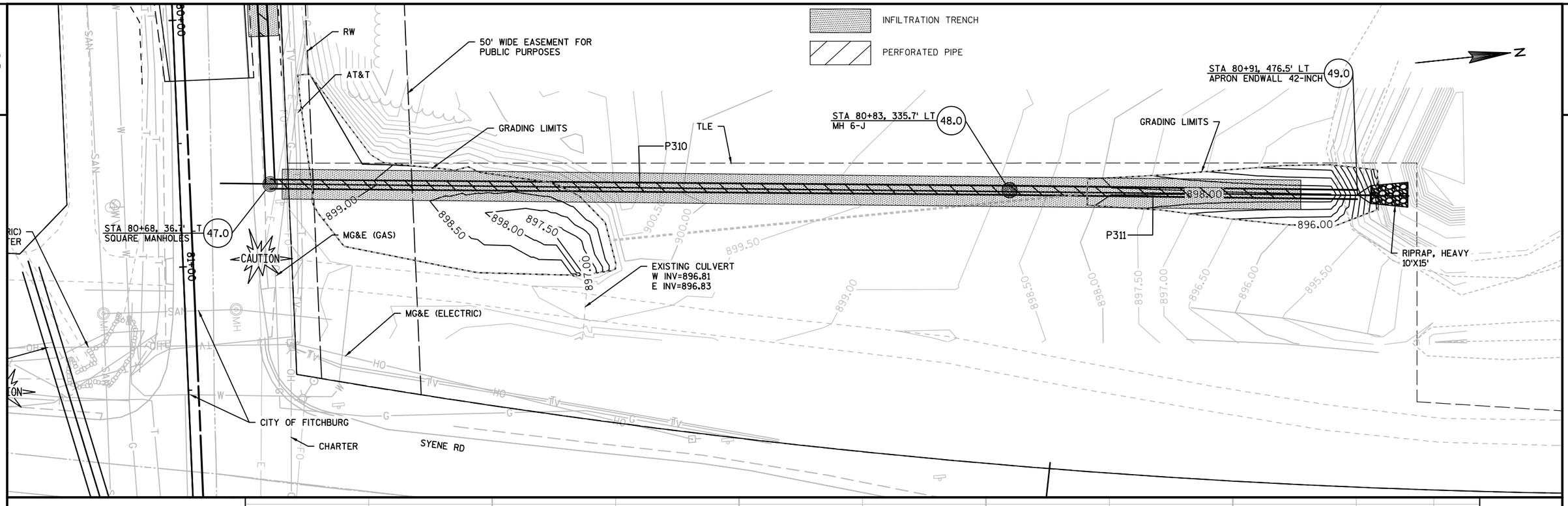
WISDOT/CADDS SHEET 44

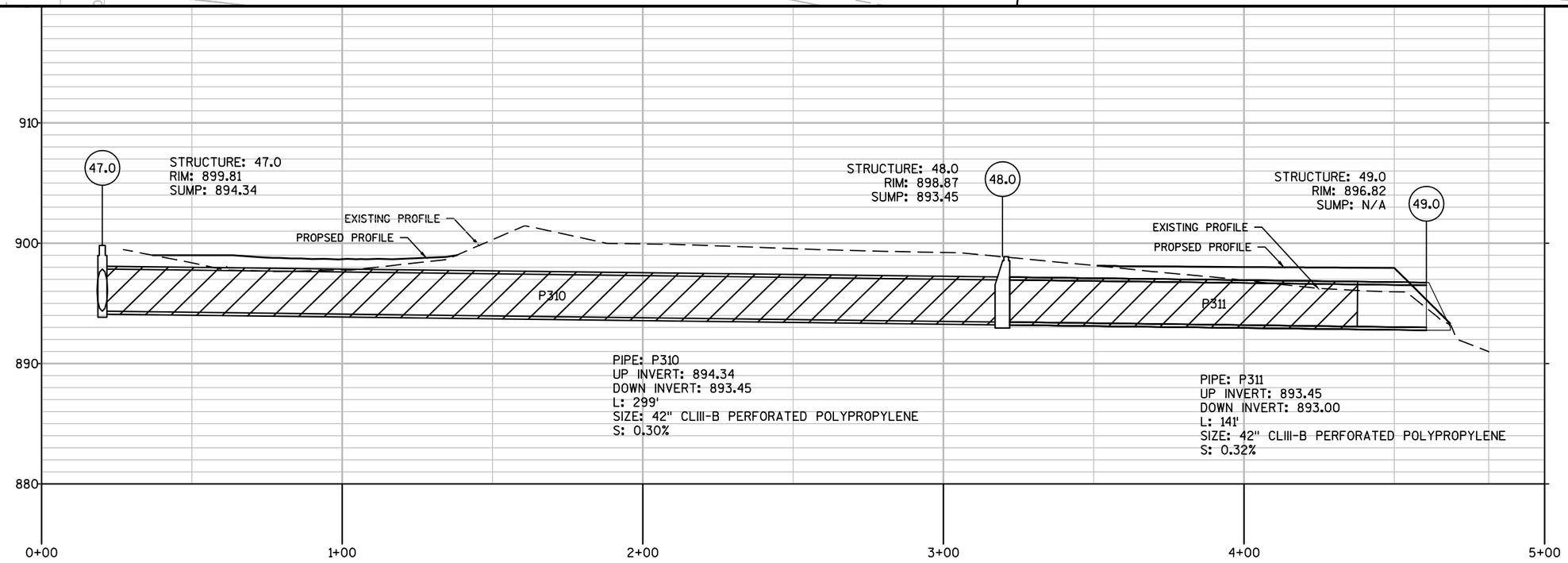




PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET 72	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022512_SS
PLOT DATE : 1/6/2017 11:51 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\022502_SS-SYENE RD.DWG
LAYOUT NAME - 050113_SS-SYENE

PLOT DATE : 1/6/2017 11:52 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

REMOVE 10"X8" TEE, REDUCERS, VALVE AND HYDRANT TO EAST
INSTALL 12"X10" CROSS W/ 12"X8" REDUCER NORTH
INSTALL 10"X6" REDUCER EAST W/ 6" VALVE AND RELOCATED HYD FROM SOUTH
RELOCATE EX 8" VALVE NORTH IF NEEDED
ABANDON EX WM SOUTH

8" DI WM

REMOVE 8" VALVE AND INSTALL 8" VALVE IF NEEDED
CONNECT TO EX WM
STA: 11+22.11
OFFSET: -49.10

CITY OF FITCHBURG
10" DI WM

SEE PROFILE FOR BLOW-UP THIS AREA

1980 MH

HYD
STA: 11+28.92
OFFSET: -38.64

12"X12" TEE
STA: 11+21.03
OFFSET: -8.23

STORM SEWER CROSSING
STA: 11+77.25
OFFSET: -8.17
8'X4'X4" INSULATION

1991 MH

12+00

8"x8" TEE
CAP AND ABANDON DI WM TO EAST
STA: 11+19.61
OFFSET: 39.55

CITY OF FITCHBURG

2000 2028 MH

8" VALVE
CAP DI WM TO EAST
STA: 10+94.52
OFFSET: 39.07

EX HYDRANT

BEGIN PROJECT
STA 11+00.00
Y = 456,072.661
X = 810,760.160

DI WM TO BE ABANDONED

TEMPORARY CONNECTION
CONNECT EX 10" WM NORTH TO EX 8" WM SOUTH

EX 4" SAN LAT

1" COPPER

REMOVE HYD CAP AND ABANDON DI WM WEST AND REMOVE VALVE

RICHARD R YAEGER
5502

1" COPPER
8'X4'X4" INSULATION

JACQUITH H MORRIS
BARBARA B MORRIS
5501

CLYDE L ELVORD
SHELLY D ELVORD
5496

6" VALVE
STA: 14+04.74
OFFSET: -21.89

12"X6" TEE
STA: 14+04.78
OFFSET: -7.92

HYD
16 LF-6" LEAD
STA: 14+04.73
OFFSET: -24.90

12" DI WM

14+00

CITY OF FITCHBURG

1926 MH

EX 4" SAN LAT

1" COPPER

KATHERINE E PTASZEK
JOSEPH E RIPPENKROEGER
5497

ADJUST STRUCTURE, RISER
EX RIM ELEV: 1013.17
PROP RIM ELEV: 1014.86

NANCY L GALLAGHER
5490

1" COPPER
8'X4'X4" INSULATION

EX CULVERT

LACY ROAD

STORM SEWER CROSSING
STA: 14+70.03
OFFSET: -7.99
8'X4'X4" INSULATION

EX CULVERT

SHARED USE PATH

EX 4" SAN LAT

EX CULVERT

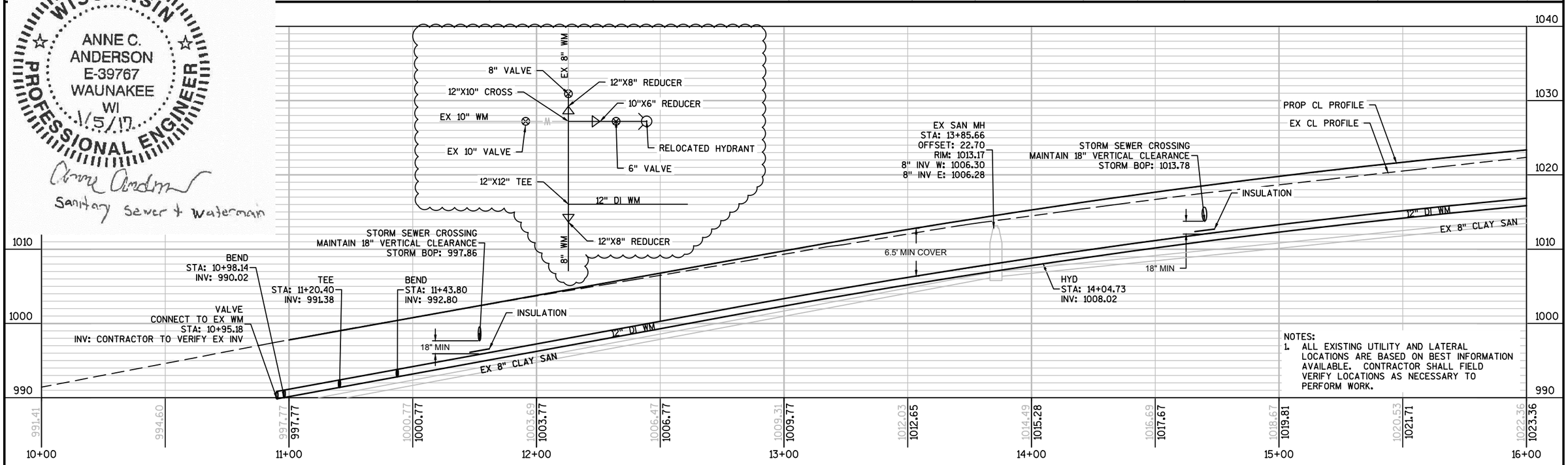
MICHAEL N HOLMES
PAULA L BROWN
5491

ANDRAE, LLC
5481

MATCHLINE STA 16+00

N

ANNE C. ANDERSON
E-39767
WAUNAKEE
WI
1/5/17
PROFESSIONAL ENGINEER
WISCONSIN
Anne Anderson
Sanitary Sewer & Watermain



NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 74	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023001_UP

PLOT DATE : 1/5/2017 3:28 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

DAVID D WILLBORN
KAY L WILLBORN
5480

GLEN ARBOR WAY

FLENARD K COUNCIL
BRENDA S COUNCIL
5460

THOMAS C WERNER
KATHLEEN M LEMKE
5454

WILLIAM G ANTONIE
5448

N

1" COPPER
8'X4'X4" INSULATION

R/W

EX CULVERT

HYD
15 LF-6" LEAD
STA: 18+04.59
OFFSET: -24.21

STORM SEWER CROSSING
STA: 18+04.60
OFFSET: -16.91
8'X4'X4" INSULATION

STORM SEWER CROSSING
STA: 18+35.00
OFFSET: -7.99
8'X4'X4" INSULATION

1" COPPER
8'X4'X4" INSULATION

1" COPPER

WATER

1" COPPER

ROCK EXCAVATION
SEE PROFILE
STA: 21+81.22
OFFSET: -8.04

MATCHLINE STA 16+00

6" VALVE
STA: 18+04.59
OFFSET: -21.21

5'

16'X4'X4"
INSULATION

12" DI WM

+00

18+00

20+00

12" VALVE
STA: 18+09.61
OFFSET: -8.21

MATCHLINE STA 22+00

CONCRETE PLUG MH 8" SAN TO EAST

1915

MH

12"X6" TEE
STA: 18+04.61
OFFSET: -8.00

LACY ROAD

REMOVE EX SAN MH

CITY OF FITCHBURG
5502

MH

SHARED USE PATH

SHARED USE PATH

R/W

ADJUST STRUCTURE, RISER
EX RIM ELEV: 1028.33
PROP RIM ELEV: 1028.81

REMOVE ABANDONED SANITARY SEWER

1" COPPER

EX 4" SAN LAT

EX 4" SAN LAT

2674 QUARTZ RD

2678 QUARTZ RD

CITY OF FITCHBURG

ANDRAE, LLC
5481

EVE ELIZABETH VAN RENSSELAER
GUION R VAN RENSSELAER
5437

1060

1050

1040

1030

1020

1010

NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

EX SAN MH
STA: 17+86.04
OFFSET: 20.88
RIM: 1028.33
8" INV W: 1019.77
8" INV E: 1019.77

EX SAN MH
REMOVE STRUCTURE
STA: 21+35.44
OFFSET: 21.43
RIM: 1038.38
8" INV W: 1025.22
8" INV E: 1025.22

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1024.49

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1024.65

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1029.86

PROP CL PROFILE
EX CL PROFILE

ROCK PROFILE

VALVE
STA: 18+09.57
INV: 1021.53

INSULATION

INSULATION

18" MIN

6.5' MIN COVER

12" DI WM

12" DI WM

EX 8" CLAY SAN

EX 8" CLAY SAN

18" MIN

HYD
STA: 18+04.72
INV: 1021.40

18" MIN

REMOVE ABANDONED
SANITARY SEWER

1022.36 1023.36 | 1024.12 1024.77 | 1025.84 1026.11 | 1027.58 1027.44 | 1029.41 1028.77 | 1031.37 1030.11 | 1033.36 1031.44 | 1034.96 1032.77 | 1036.12 1034.11 | 1037.21 1035.44 | 1038.31 1036.77 | 1039.26 1037.85 | 1039.76 1038.58

16+00 17+00 18+00 19+00 20+00 21+00 22+00

PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 75	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023002_UP

PLOT DATE : 1/5/2017 3:19 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

WELTON ENTERPRISES, INC.
5442

ALFRED F RUSSELL
JOANN G RUSSELL
RUSSELL LIVING TRUST
5436

STEPHEN L. OLSON
JANA R. OLSON
5428

LIN S. ROHDE GIOVANNI
5420

WILLIAM BOYD LIVING TRUST
5414

N

1" COPPER

HYD
19 LF-6" LEAD
STA: 22+44.33
OFFSET: -27.03

6' BOC

5'

R/W

6" VALVE
STA: 22+44.33
OFFSET: -19.90

12"X6" TEE
STA: 22+44.33
OFFSET: -8.05

12"x12" TEE
STA: 22+56.92
OFFSET: -8.06

12" VALVE
STA: 22+51.92
OFFSET: -8.05

MATCHLINE STA 22+00

12" DI WM

LACY ROAD

SHARED USE PATH

18"X12" REDUCER
CONNECT TO EX WM
STA: 22+56.92
OFFSET: 23.96

REMOVE WATERMAIN
22+56-24+88 (TEE)

CITY OF FITCHBURG

ANTOINE C RIOS

TO WELLHOUSE

EX 8" DI WM

8" VALVE
CONNECT TO EX 8" DI WM
STA: 24+87.31
OFFSET: -33.85

12" VALVE
STA: 24+82.13
OFFSET: -14.31

12"X6" TEE
STA: 24+76.15
OFFSET: -13.91

REMOVE LEAD, 6" VALVE
AND RELOCATE HYD
REMOVE 16"X8" REDUCER,
16"X16" TEE, 16"X18" REDUCER, MISC WM
AND REMOVE 18" DI WM SOUTH

ROCK EXCAVATION
SEE PROFILE
STA: 25+00.24
OFFSET: -15.50

24+00

12"X8" TEE
STA: 24+88.12
OFFSET: -14.70

6" VALVE
STA: 24+78.20
OFFSET: 20.02

RELOCATED HYD
36 LF-6" LEAD
STA: 24+78.33
OFFSET: 22.01

1888
MH

REMOVE ABANDONED
SANITARY SEWER

EX 4" SAN LAT

EX 4" SAN LAT

GARY PARMAN AND CARRIE PARMAN
5427

BROCK JONES
5433

PLUG TO WEST WITH NEW
WATER TIGHT SEAL
EX RIM ELEV: 1035.86
PROP RIM ELEV: 1035.85

1" COPPER
8'X4'X4" INSULATION

HYD
13 LF-6" LEAD
STA: 27+13.11
OFFSET: -35.00

6" VALVE
STA: 27+13.11
OFFSET: -32.00

12" VALVE
STA: 27+08.10
OFFSET: -20.90

STORM SEWER CROSSING
STA: 26+21.00
OFFSET: -20.90
8'X4'X4" INSULATION

26+00

LACY ROAD

1857
MH

SHARED USE PATH

MICA RD

2692 MICA

CITY OF FITCHBURG

1" COPPER

12"X6" TEE
STA: 27+13.10
OFFSET: -20.89

28+

MATCHLINE STA 28+00

NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

1060
1050
1040
1030
1020
1010

HYD
STA: 22+44.33
INV: 1031.42

TEE
STA: 22+56.92
INV: 1031.47

APPROXIMATE ROCK PROFILE

12" DI WM

VALVE
STA: 22+51.92
INV: 1031.45

EX 8" CLAY SAN

REMOVE ABANDONED
SANITARY SEWER

PROP CL PROFILE
EX CL PROFILE

EX SAN MH
STA: 25+03.07
OFFSET: 25.18
RIM: 1035.86
8" INV W: 1026.79
8" INV E: 1026.79

6.5' MIN COVER

HYD
STA: 24+78.52
INV: 1028.58

VALVE
STA: 24+82.13
INV: 1028.48

TEE
STA: 24+88.12
INV: 1028.28

EX 8" SDR 26 SAN

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1025.46

INSULATION

18" MIN

EX SAN MH
STA: 26+89.71
OFFSET: 23.32
RIM: 1028.19
8" INV S: 1016.03

HYD
STA: 27+18.46
INV: 1018.43

12" DI WM

VALVE
STA: 27+13.47
INV: 1018.66

	1039.76	1039.67	1039.42	1039.02	1038.48	1037.65	1036.16	1034.22	1032.12	1030.15	1028.26	1026.28	1024.23
	1038.58	1038.95	1038.97	1038.63	1037.94	1036.89	1035.48	1033.72	1031.61	1029.25	1026.88	1024.58	1022.59

22+00 23+00 24+00 25+00 26+00 27+00 28+00

PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 76	E

2

STEPHEN G EISELE
CAROL J EISELE
5408

STEVEN D RACCHINI
KIM S RACCHINI
5402

John H Lum
5396

Teresa M Santulli
5390

N

STORM SEWER CROSSING
STA: 28+91.72
OFFSET: -19.93
8'X4'X4" INSULATION

4" SAN
1" COPPER

12"X6" TEE
STA: 31+44.55
OFFSET: -10.32

HYD
13 LF-6" 6" VALVE
STA: 31+44.94
OFFSET: -21.26

12" VALVE
STA: 31+39.55
OFFSET: -10.52

12" DI WM

R/W

LACY ROAD

MATCHLINE STA 28+00

MATCHLINE STA 34+00

SEC 310
1021706

SMH1

PROPOSED SANITARY

8" SDR 26

SHARED USE PATH

STORM SEWER CROSSING
STA: 33+56.00
OFFSET: -9.95
8'X4'X4" INSULATION

MICHAEL R MOTIFF
THERESA M MOTIFF
5401

NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1015.19

INSULATION

18" MIN

SMH1
STA: 30+00.00
OFFSET: -2.61
RIM: 1017.74
8" INV E: 1005.74

PROP CL PROFILE
EX CL PROFILE

VALVE
STA: 31+39.59
INV: 1007.91

HYD
STA: 31+45.05
INV: 1007.80

6.5' MIN COVER

400 LF-8" SDR 26 @ 2.70%

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 1004.18

INSULATION

18" MIN

1040
1030
1020
1010
1000
990

1024.23 1022.59 | 1022.26 1020.94 | 1020.69 1019.63 | 1019.61 1018.65 | 1018.78 1017.79 | 1018.03 1016.92 | 1017.22 1016.05 | 1016.14 1015.19 | 1014.70 1014.14 | 1012.93 1012.79 | 1011.00 1011.14 | 1009.05 1009.19 | 1006.94 1006.93

28+00 29+00 30+00 31+00 32+00 33+00 34+00

PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 77	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023004_UP

PLOT DATE : 1/5/2017 3:20 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

DAVID A HUMKE
CONNIE S HUMKE
5386

CHARLES O TREICHEL
DIANNE L TREICHEL
JR TRUST
5356

ELAINE LANGER ALLEN
5360

MICHAEL R MOTIFF
THERESA M MOTIFF
5401

1" COPPER

EX CULVERT

6.5'

22.5° BEND
STA: 34+98.33
OFFSET: -9.95

PROPOSED SANITARY

R/W

SANITARY CROSSING
STA: 35+09.88
OFFSET: 0.69

12" DI WM

MATCHLINE STA 34+00

34+00

SMH2

STORM SEWER CROSSING
STA: 35+35.14
OFFSET: 24.00
8'X4'X4" INSULATION

LACY ROAD

RELOCATED HYD
5 LF-6" LEAD
STA: 35+49.23
OFFSET: 30.20

8" SDR 26

36+00

6" VALVE
STA: 35+47.70
OFFSET: 32.08

SHARED PATH

EX CULVERT

12" DI

CITY OF FITCHBURG

SHARED USE PATH

RELOCATED VALVE
CONNECT TO EX WM
STA: 35+67.22
OFFSET: 35.67
PRESS TEST VALVE
PRIOR TO CONNECTION

REMOVE AND RELOCATE HYD
REMOVE PIPE TO EX VALVE

12"X6" TEE
STA: 35+46.05
OFFSET: 34.06

EX VALVE
REMOVE EX WM TO EAST AND
RELOCATE VALVE TO ST 35+67.22

22.5° BEND
STA: 35+47.78
OFFSET: 35.66

1" COPPER
8'X4'X4" INSULATION

4" SAN

10'

SMH3

38+00

8" SDR 26

40+00

MATCHLINE STA 40+00

N

1010

1000

990

980

970

960

6.5' MIN COVER

BEND
STA: 34+98.40
INV: 993.23

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 993.53

INSULATION

HYD
STA: 35+54.32
INV: 990.34

18" MIN

6" MIN

BEND
STA: 35+47.76
INV: 990.49

SMH2
STA: 34+00.00
OFFSET: 0.80
RIM: 1006.92
8" INV W: 994.92
8" INV E: 994.92

EX 12" DI WM

400 LF-8" SDR 26 @ 5.70%

RELOCATED VALVE
CONNECT TO EX WM
STA: 35+67.22
INV: 990.00

SANITARY SEWER CROSSING
MAINTAIN 6" VERTICAL CLEARANCE
SANITARY TOP: 989.39

PROP CL PROFILE
EX CL PROFILE

SMH3
STA: 38+00.00
OFFSET: 0.41
RIM: 984.10
8" INV W: 972.10
8" INV E: 972.10

EX 12" DI WM

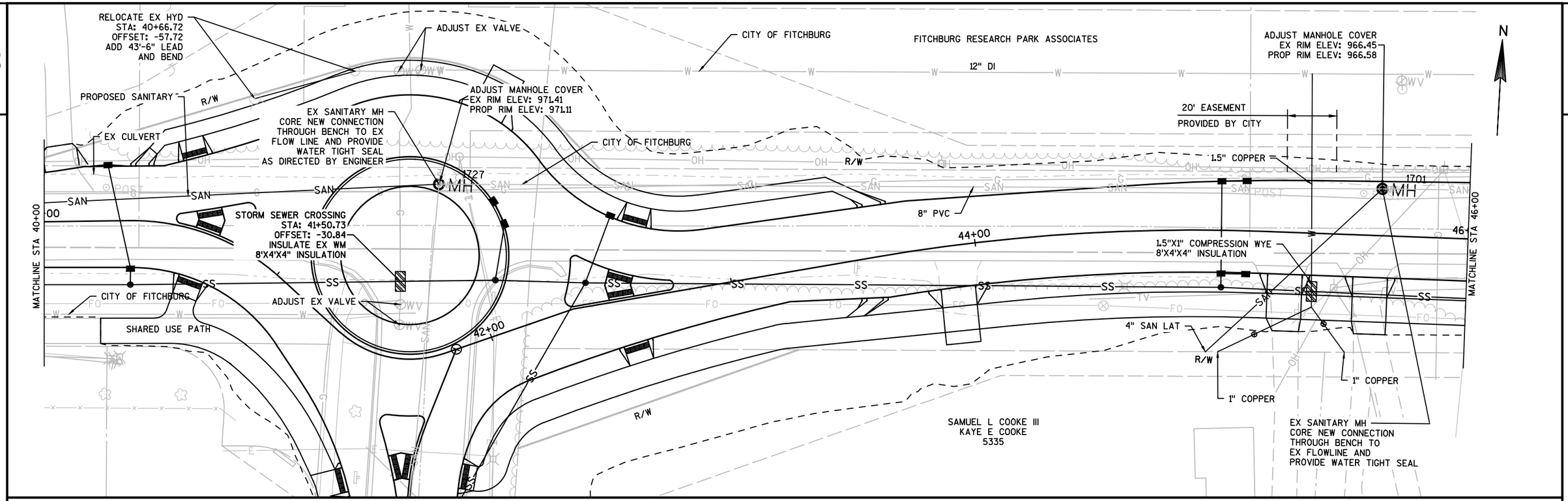
361 LF-8" SDR 26 @ 2.74%

NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

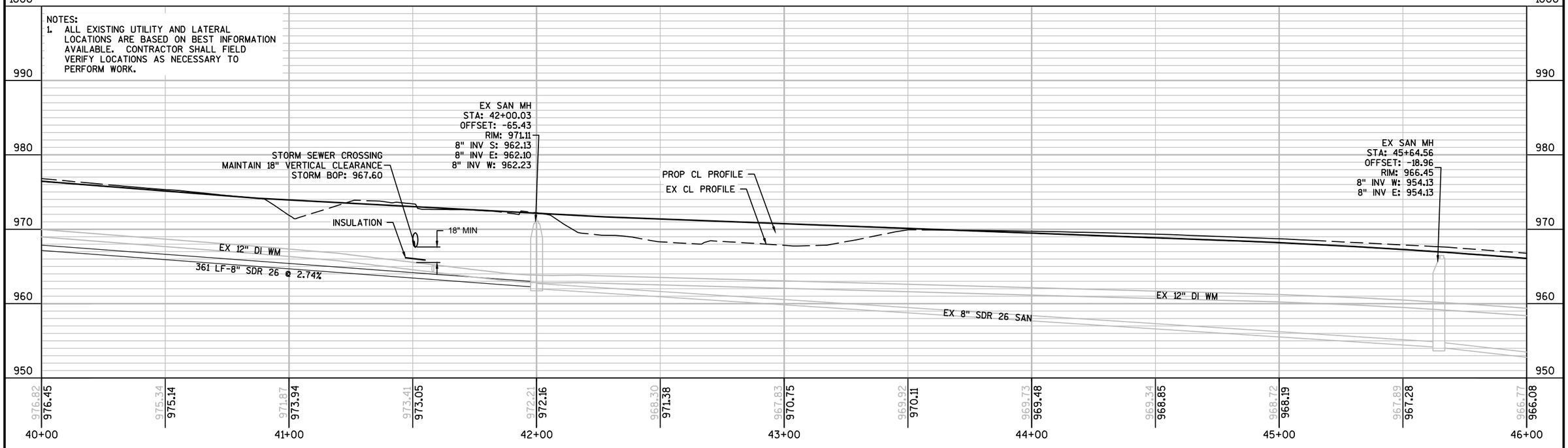
1006.94	1004.53	1001.67	998.57	995.52	992.65	989.91	987.30	984.77	982.47	980.44	978.53	976.82
1006.93	1004.38	1001.52	998.54	995.57	992.59	989.61	986.72	984.11	981.78	979.72	977.94	976.45
34+00		35+00		36+00		37+00		38+00		39+00		40+00

PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 78	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023005_UP
PLOT DATE : 1/5/2017 3:20 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.



PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 79	E

2

FITCHBURG RESEARCH PARK
ASSOCIATES LTD PARTNERSHIP

CITY OF FITCHBURG

Richard E Blaney
Marjorie M Blaney

N

EX 12" DI WM

CITY OF FITCHBURG

EX SANITARY MH
CORE NEW CONNECTION
THROUGH BENCH TO
EX FLOWLINE AND
PROVIDE WATER TIGHT SEAL

EX 1" COPPER
ADJUST EX CURB BOX

EX 4" SAN LATERAL

ADJUST STRUCTURE, RISER
EX RIM ELEV: 950.28
PROP RIM ELEV: 950.83

R/W

EX CULVERT

1695
SMH

5503
SMH

ADJUST STRUCTURE, RISER
EX RIM ELEV: 954.61
PROP RIM ELEV: 953.71

MATCHLINE STA 46+00

00

48+00

50+00

52+00

MATCHLINE STA 52+00

EX 1" COPPER SERVICE
8'X4'X4" INSULATION

R/W

EX CULVERT

STORM SEWER CROSSING
STA: 49+26.35
OFFSET: 23.62
INSULATE EX WM
8'X4'X4" INSULATION

NOTRE DAME DR

4" SAN LATERAL
CONNECT TO EXISTING
SANITARY SEWER MAIN

JOSEPH P RUEDEN
KAREN W RUEDEN
5329

8" SAN LATERAL
@ 0.40% SLOPE

CITY OF FITCHBURG

CITY OF FITCHBURG

NOTES:
1. ALL EXISTING UTILITY AND LATERAL LOCATIONS ARE BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AS NECESSARY TO PERFORM WORK.

EX SAN MH
STA: 49+08.98
OFFSET: -27.19
RIM: 954.61
PROP INV SW: 941.31
8" INV W: 941.11
8" INV E: 941.10

EX SAN MH
STA: 50+72.74
OFFSET: -25.12
RIM: 950.28
8" INV W: 935.87
8" INV E: 935.87

PROP CL PROFILE
EX CL PROFILE

EX 12" DI WM

EX 8" SDR 26 SAN

18" MIN

INSULATION

STORM SEWER CROSSING
MAINTAIN 18" VERTICAL CLEARANCE
STORM BOP: 948.91

EX 12" DI WM

EX 8" SDR 26 SAN

EX 8" SDR 26 SAN

980
970
960
950
940
930

966.77	965.18	963.25	960.97	958.73	956.77	955.19	953.94	952.77	951.82	950.91	950.19	949.63
966.08	964.58	962.80	960.72	958.39	956.28	954.53	953.16	952.16	951.43	950.73	950.02	949.32

46+00 47+00 48+00 49+00 50+00 51+00 52+00

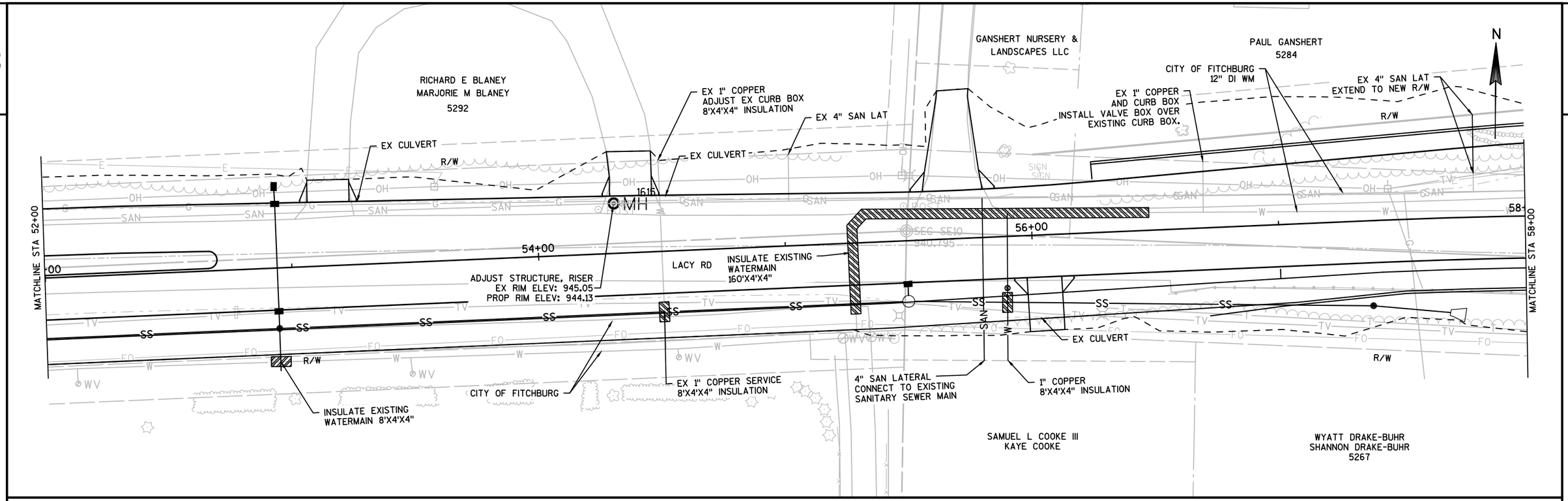
PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 80	E

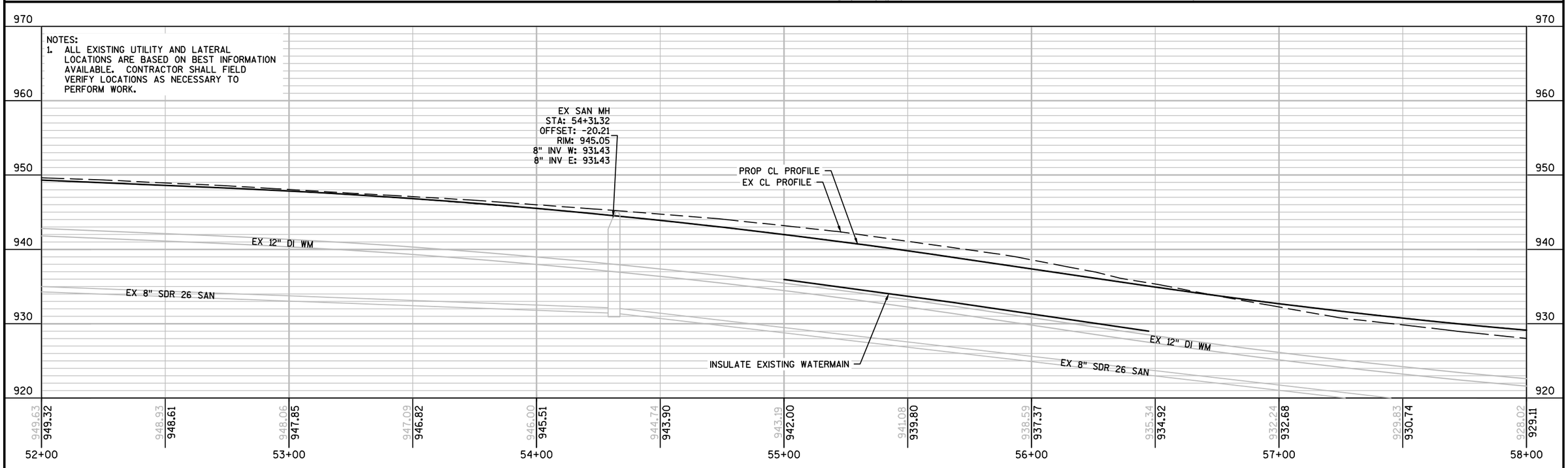
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023007_UP

PLOT DATE : 1/5/2017 3:20 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

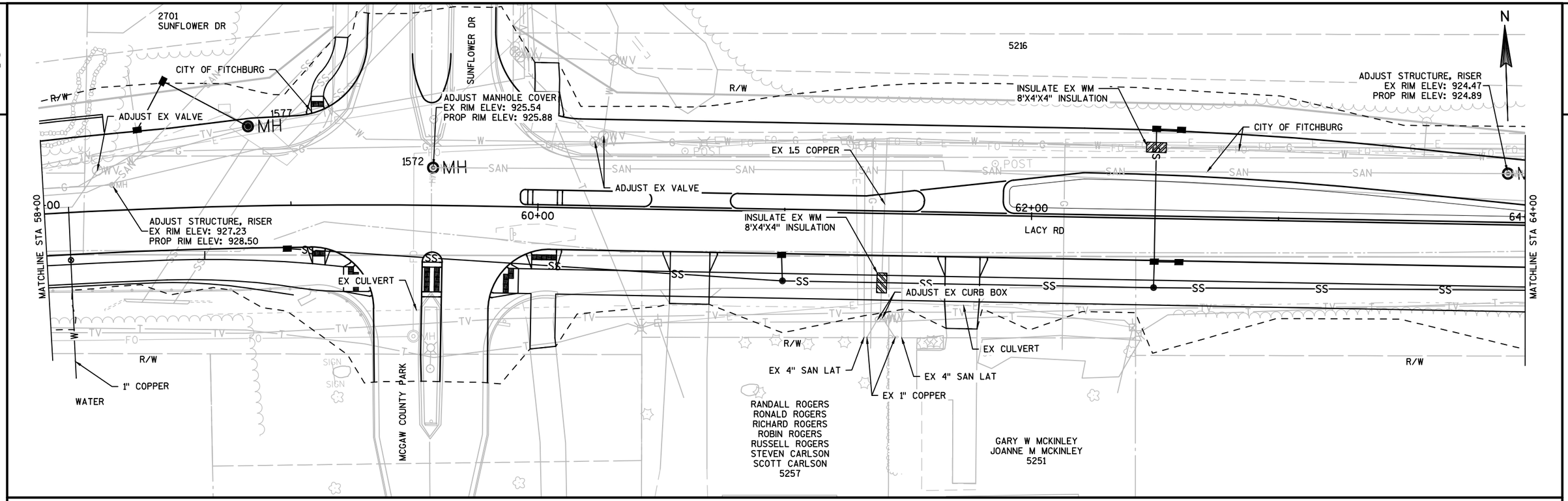
2

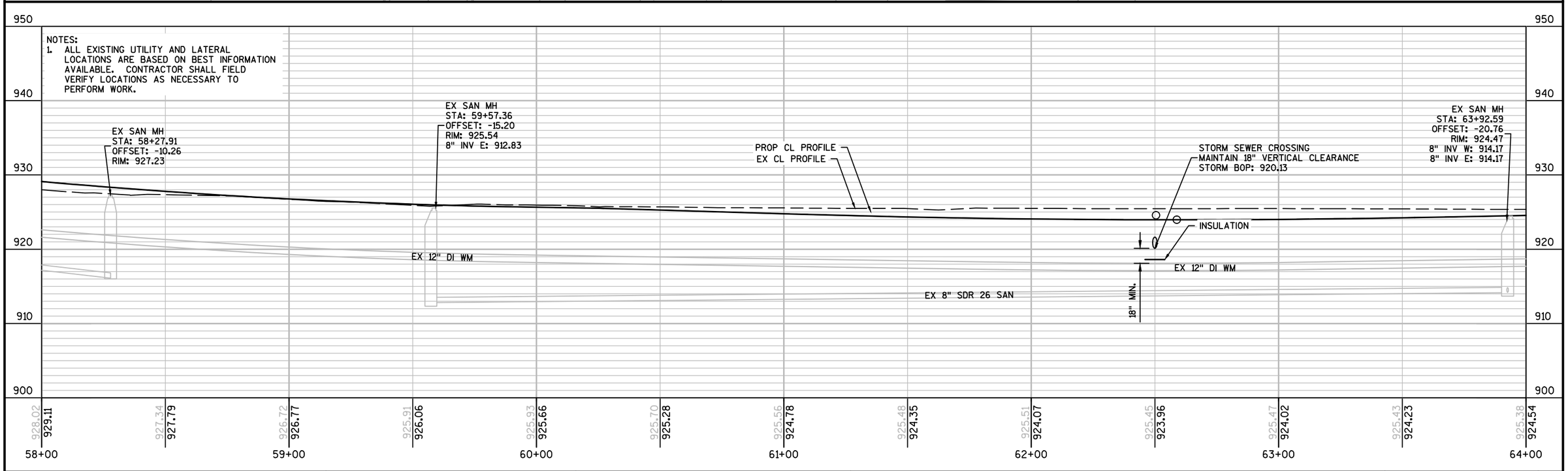




PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 81	E

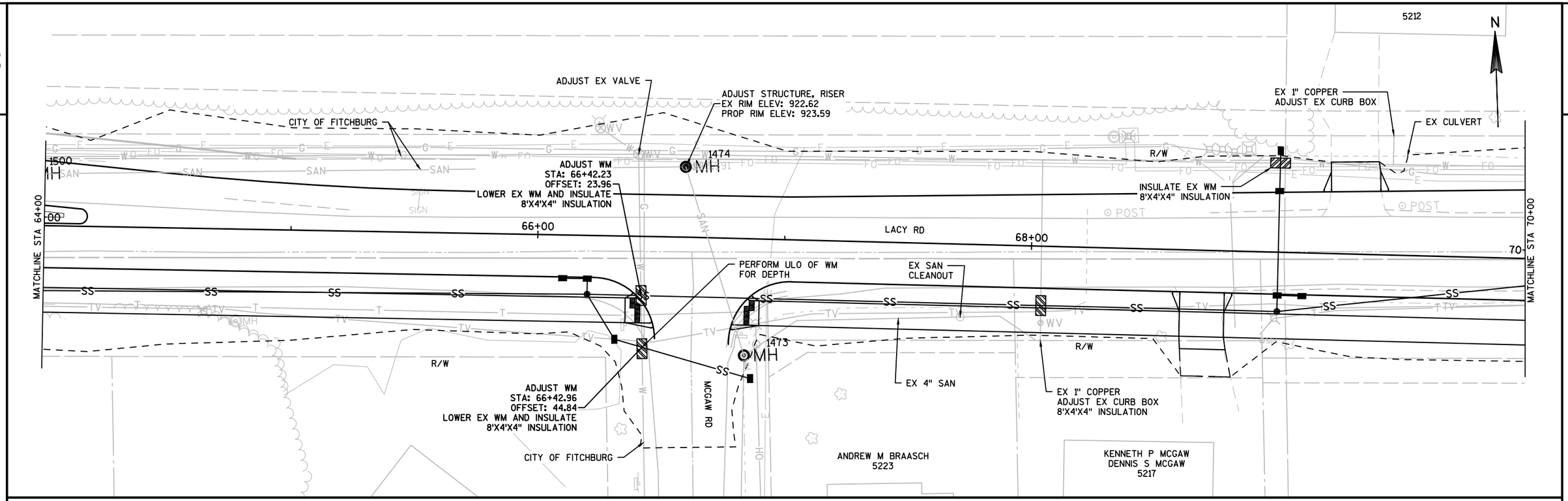
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023008_UP
PLOT DATE : 1/5/2017 3:21 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

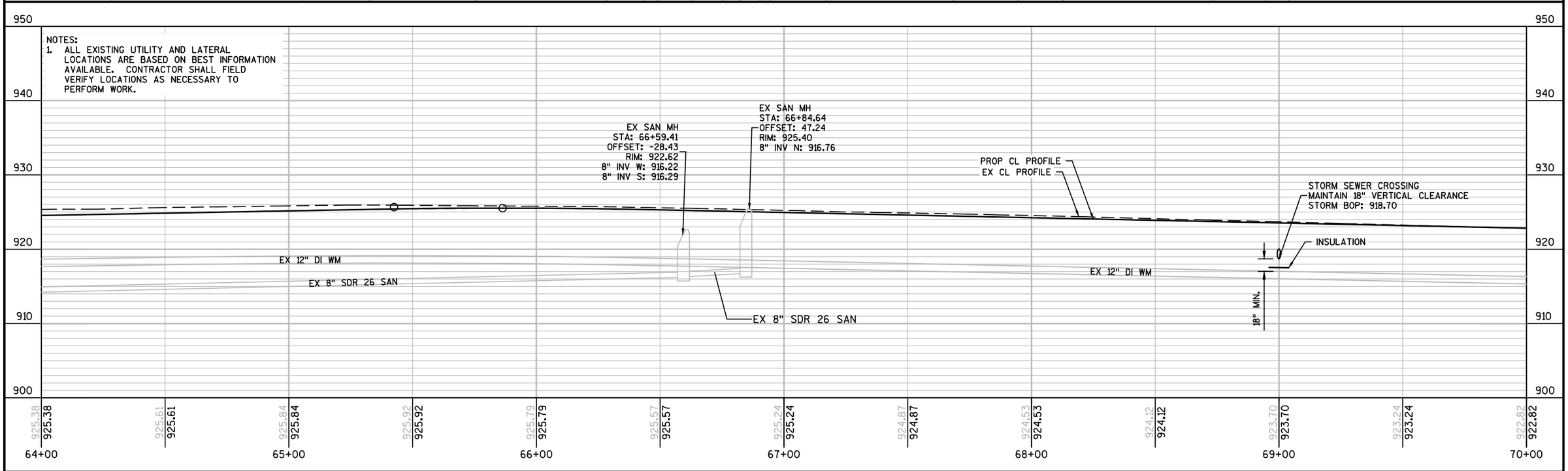




PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 82	E

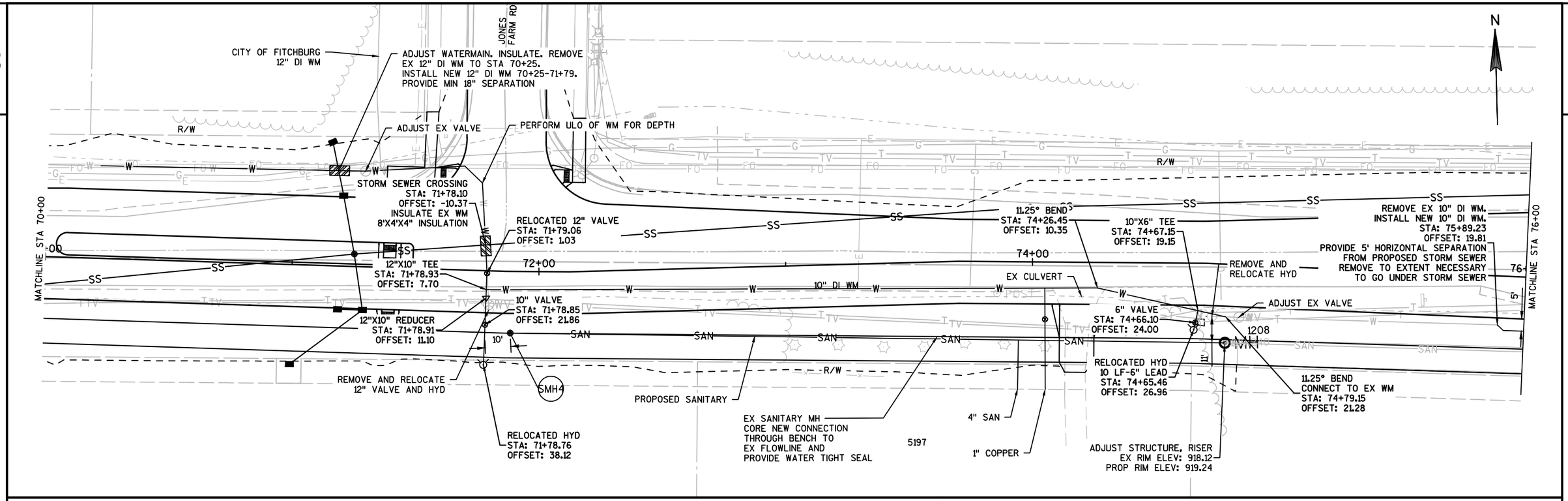
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023009_UP
PLOT DATE : 1/5/2017 3:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

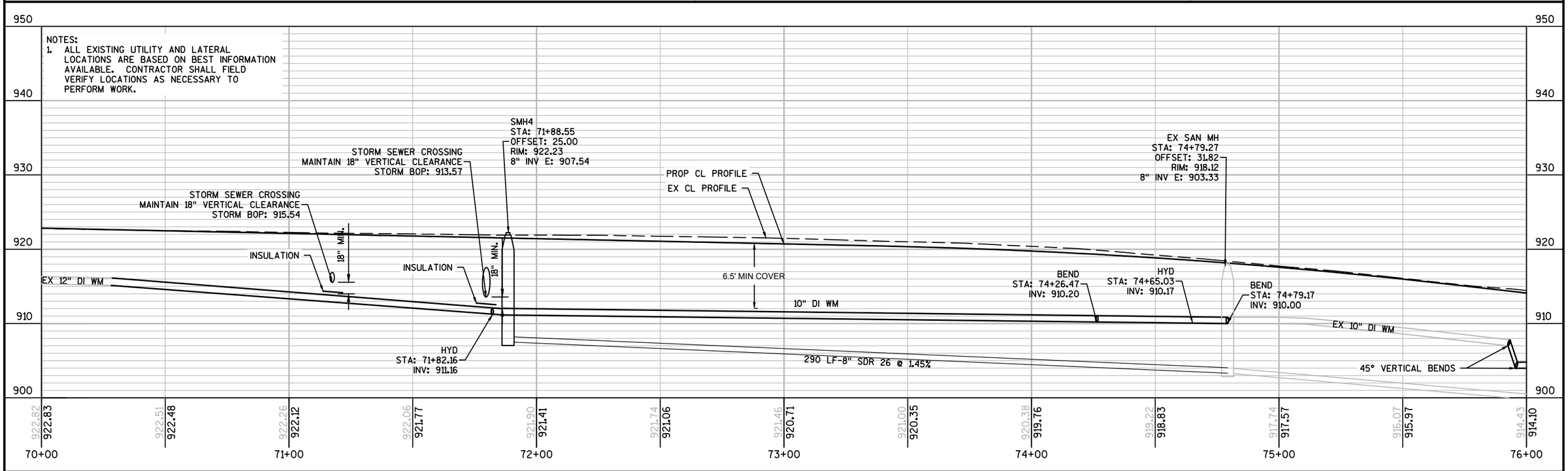




PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 83	E

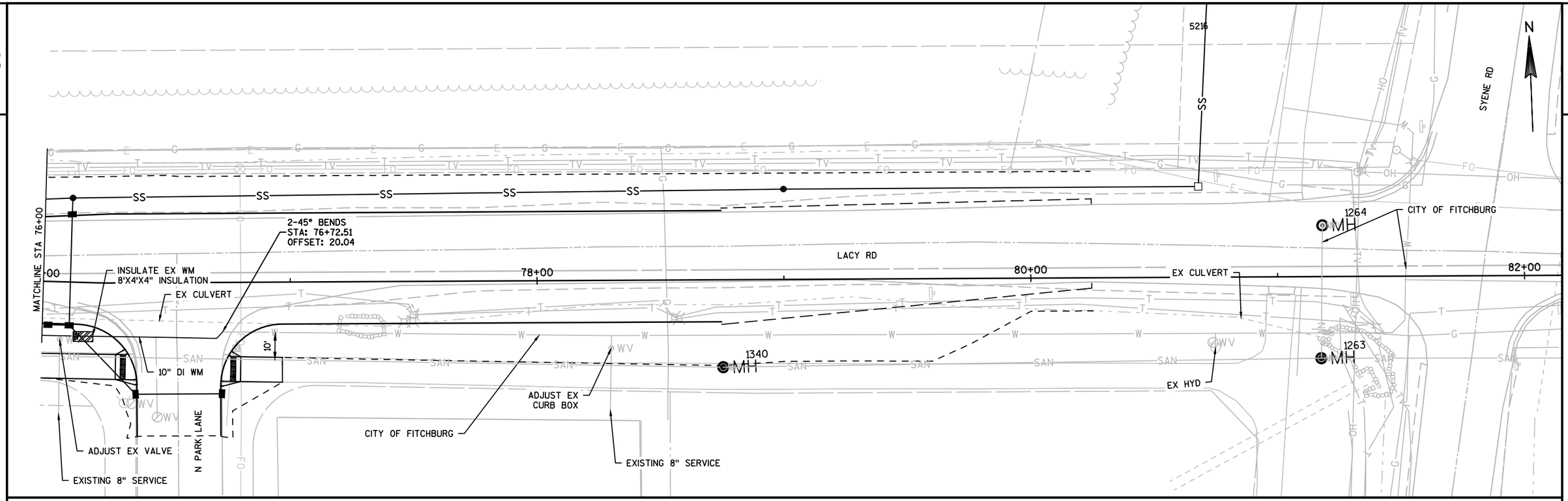
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023010_UP
PLOT DATE : 1/5/2017 3:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

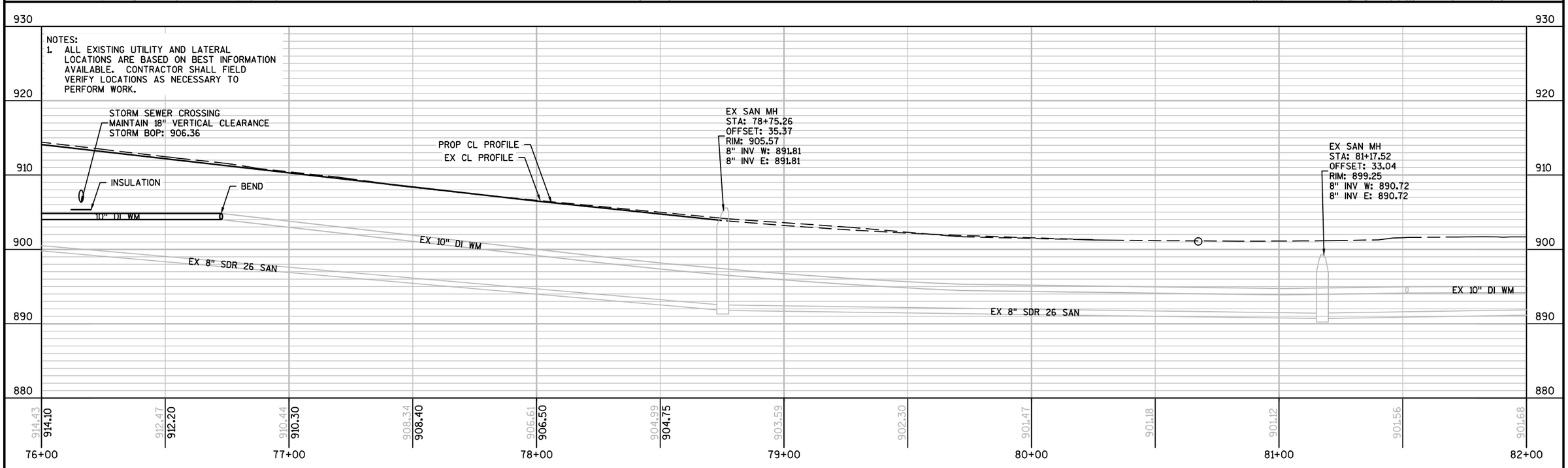




PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 84	E

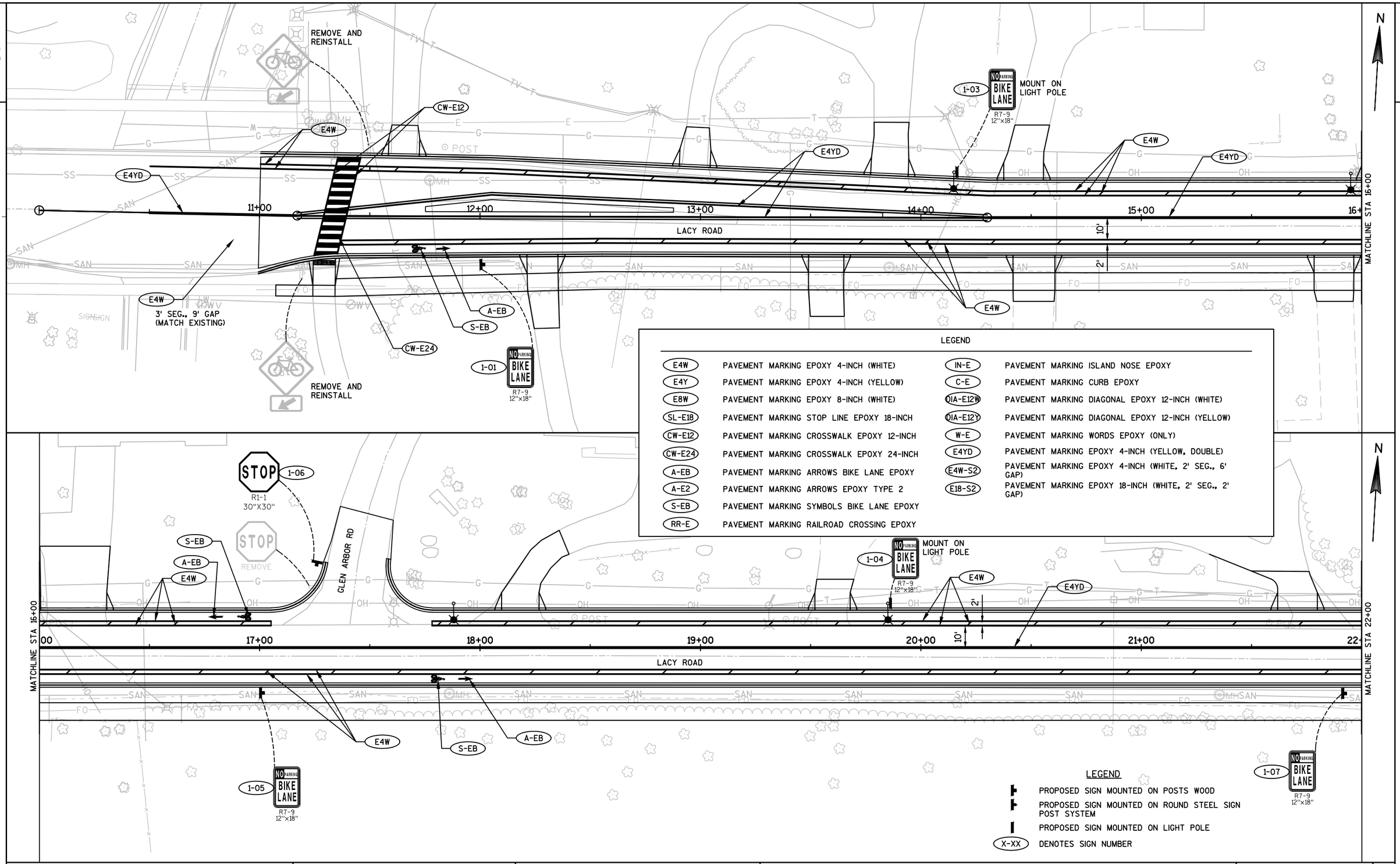
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023011_UP
PLOT DATE : 1/5/2017 3:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5849-00-12	HWY: LACY ROAD	COUNTY: DANE	UTILITY PLAN	SHEET 85	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 023012_UP
PLOT DATE : 1/5/2017 3:22 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



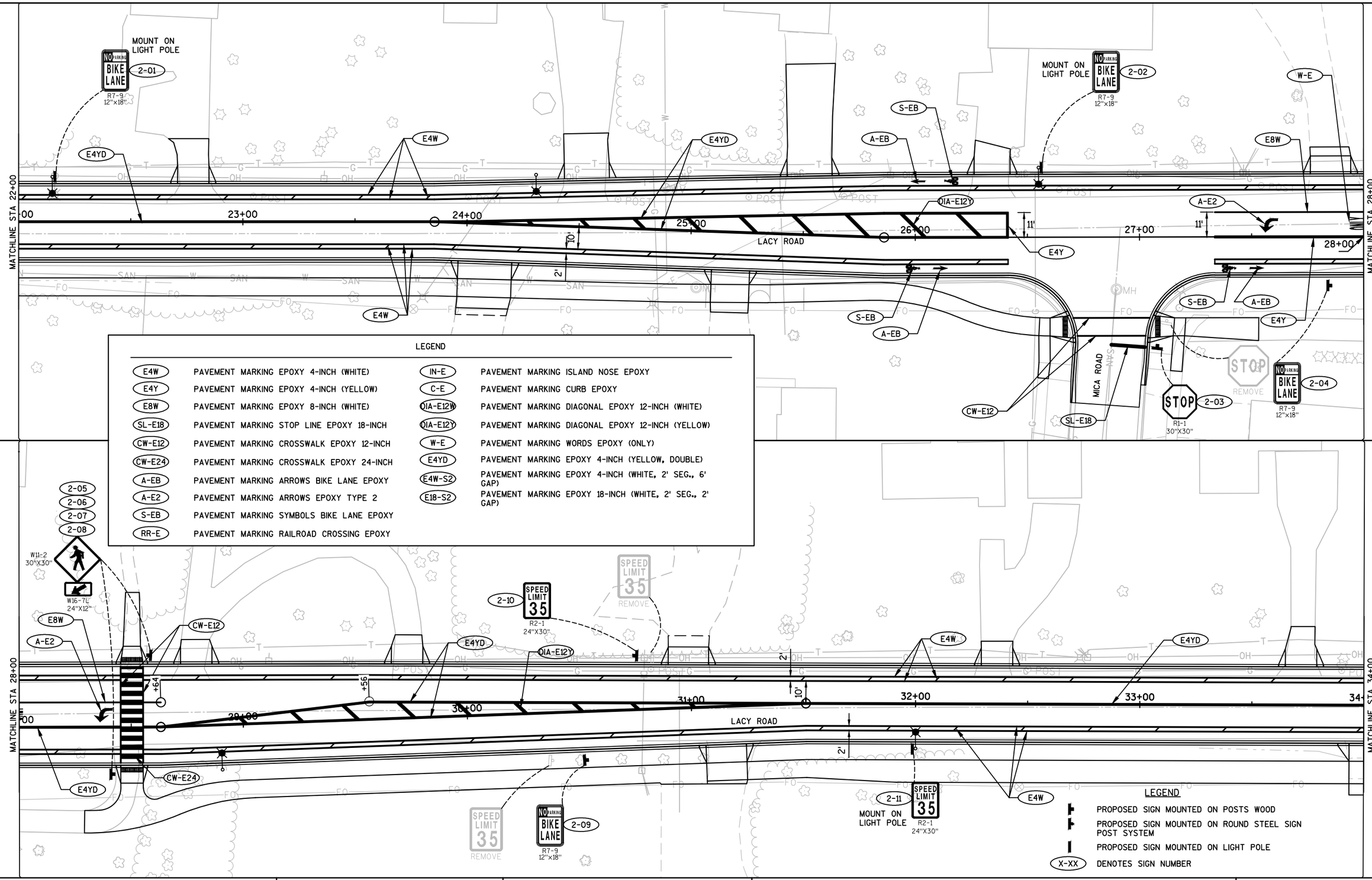
LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12W	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
CW-E12	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
CW-E24	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
A-EB	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	E4W-S2	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E18-S2	PAVEMENT MARKING EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
S-EB	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY		
RR-E	PAVEMENT MARKING RAILROAD CROSSING EPOXY		

LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD
- PROPOSED SIGN MOUNTED ON ROUND STEEL SIGN POST SYSTEM
- PROPOSED SIGN MOUNTED ON LIGHT POLE
- X-XX DENOTES SIGN NUMBER

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 86	E



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12W	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
CW-E12	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
CW-E24	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
A-EB	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	E4W-S2	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E18-S2	PAVEMENT MARKING EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
S-EB	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY		
RR-E	PAVEMENT MARKING RAILROAD CROSSING EPOXY		

LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD
- PROPOSED SIGN MOUNTED ON ROUND STEEL SIGN POST SYSTEM
- PROPOSED SIGN MOUNTED ON LIGHT POLE
- X-XX DENOTES SIGN NUMBER

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 87	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\024501_PM.DWG PLOT DATE : 12/21/2016 2:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : ----------

WISDOT/CADDS SHEET 42

LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD
- PROPOSED SIGN MOUNTED ON ROUND STEEL SIGN POST SYSTEM
- PROPOSED SIGN MOUNTED ON LIGHT POLE
- X-XX DENOTES SIGN NUMBER

NO PARKING BIKE LANE R7-9 12"x18" 3-01

W2-6 30"X30" MOUNT ON LIGHT POLE 3-02

15 M.P.H. W13-1 18"X18" 3-03

E4W

E4YD

3-05 W3-2 36"X36" MOUNT ON LIGHT POLE

NO PARKING BIKE LANE R7-9 12"x18" 3-06

S-EB

A-EB

MATCHLINE STA 34+00

35+00

36+00

37+00

38+00

39+00

MATCHLINE STA 40+00

LACY ROAD

2' 4' 10' 10' 4' 2'

E4W

3-04 NO PARKING BIKE LANE R7-9 12"x18"

E4W-S2

LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12W	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
CW-E12	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
CW-E24	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
A-EB	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	E4W-S2	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E18-S2	PAVEMENT MARKING EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
S-EB	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY		
RR-E	PAVEMENT MARKING RAILROAD CROSSING EPOXY		

N

E8W

CW-E12

IN-E

C-E

E4W-S2

E18-S2

MATCHLINE STA 40+00

41+00

42+00

43+00

44+00

45+00

46+00

MATCHLINE STA 46+00

LACY ROAD

5.0' BEYOND PC (TYP)

REMOVE

NO PARKING BIKE LANE R7-9 12"x18" 3-07

W3-2 36"X36" 3-08

E4W

A-EB

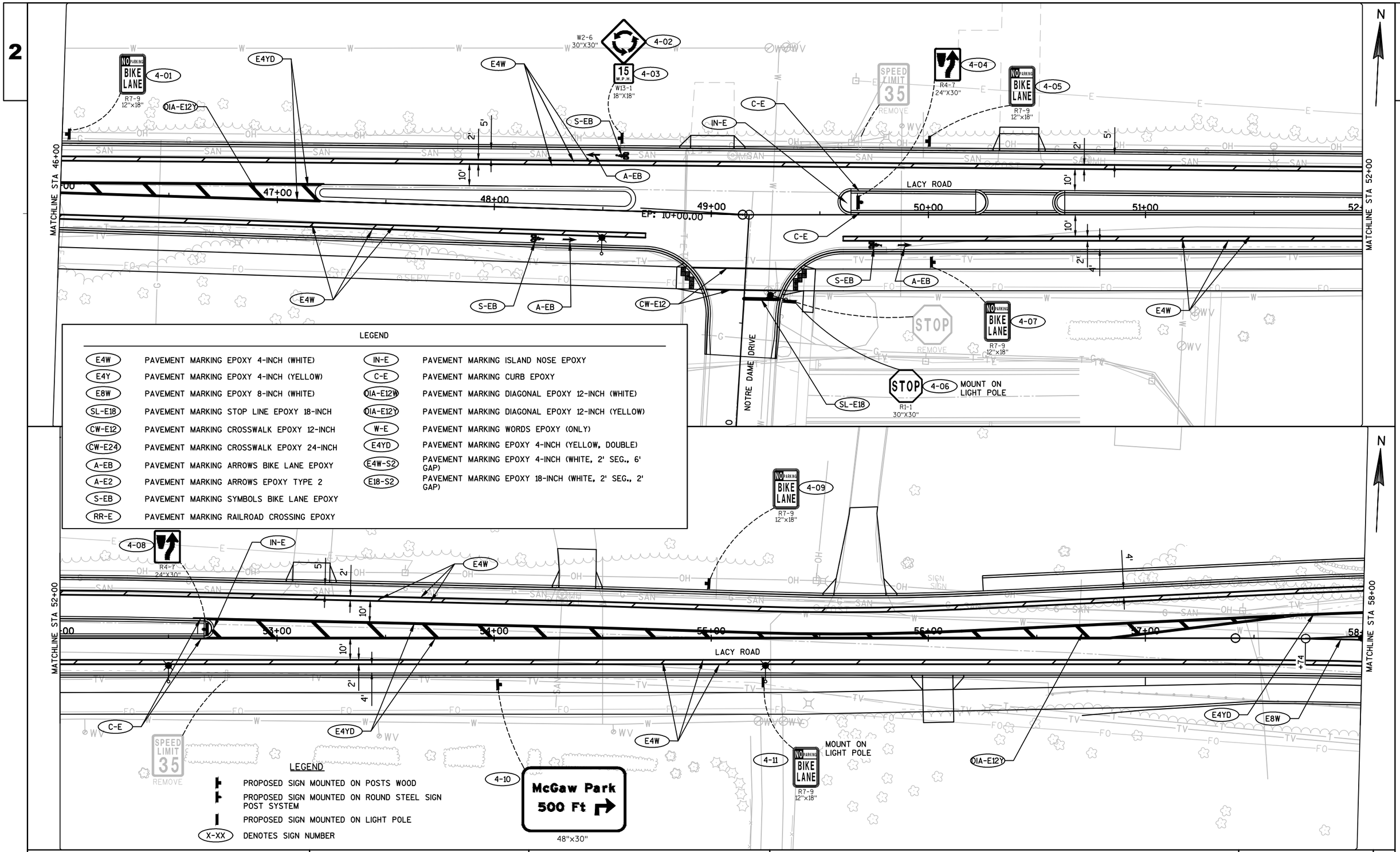
S-EB

DIA-E12Y

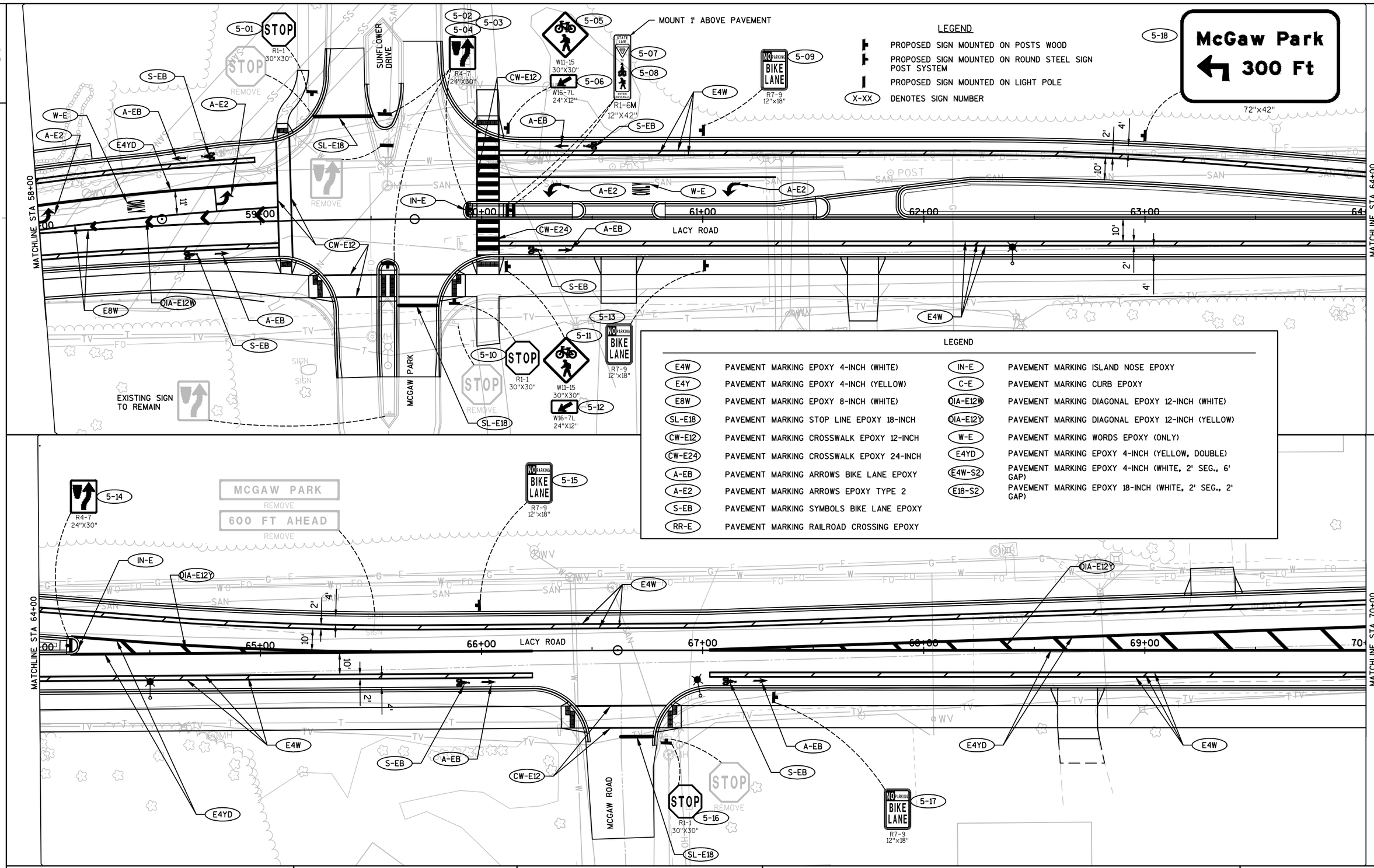
CW-E24

E4YD

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 88	E



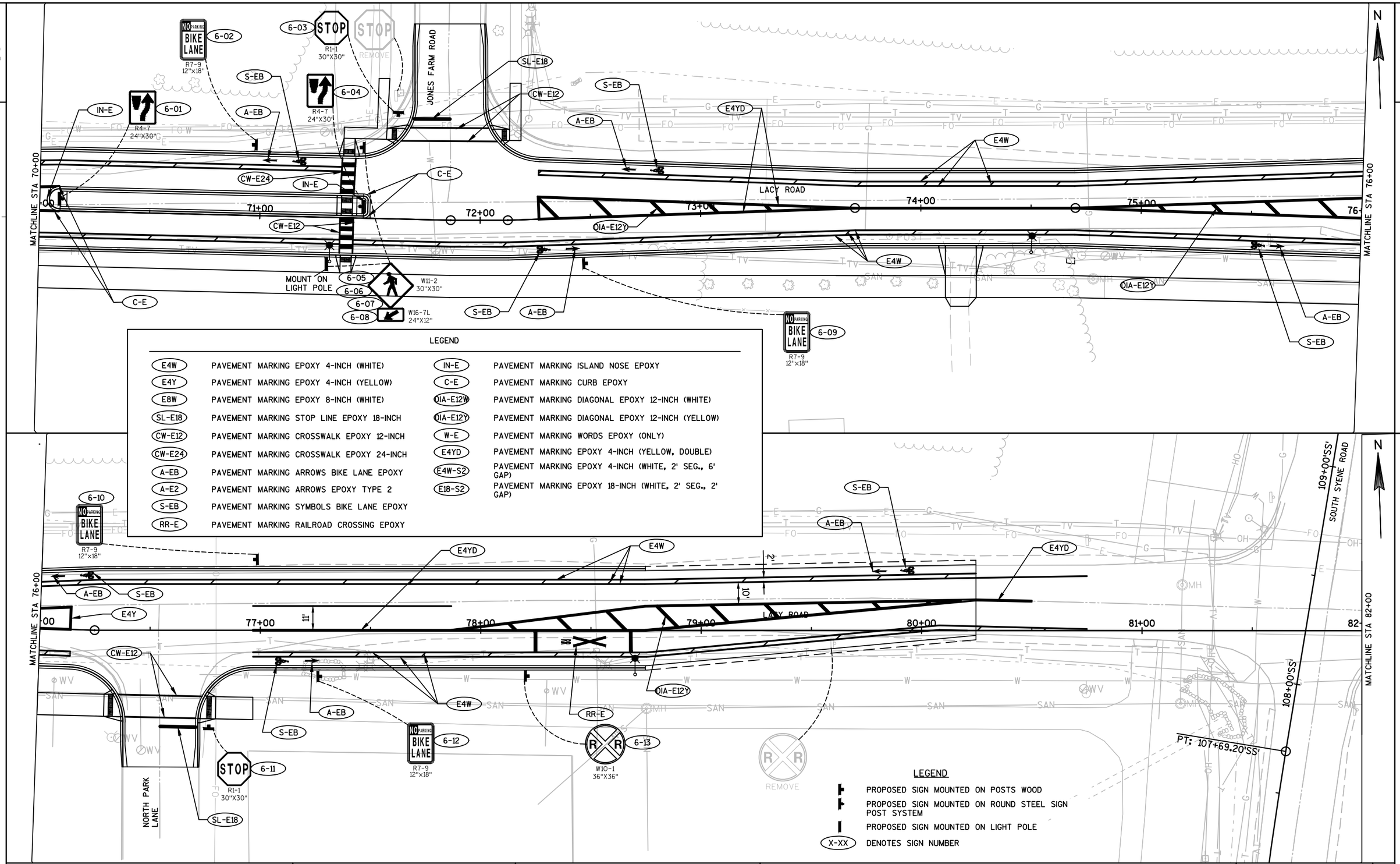
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 89	E



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12W	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
CW-E12	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
CW-E24	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
A-EB	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	E4W-S2	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E18-S2	PAVEMENT MARKING EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
S-EB	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY		
RR-E	PAVEMENT MARKING RAILROAD CROSSING EPOXY		

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 90	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING PLAN	SHEET 91 E

LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD
- PROPOSED SIGN MOUNTED ON ROUND STEEL SIGN POST SYSTEM
- PROPOSED SIGN MOUNTED ON LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER

N

LACY ROAD

7-01 W11-15 30"X30" MOUNT ON LIGHT POLE
7-02 W16-7L 24"X12"
7-03 R1-2 36"X31"
7-04 TO TRAFFIC FROM LEFT R1-54 24"X15"
7-05 R1-2 36"X31"
7-06 ONE WAY R6-2-R 24"X30"
STOP REMOVE
7-07 7-08 7-09 ONE WAY R6-1-R 36"X12"
7-10 7-11 7-12 R6-4-A 48"X24" MOUNT 4' ABOVE TRUCK APRON
7-33 R4-7 24"X30"
7-31 W11-15 30"X30"
7-32 W16-7L 24"X12"
7-34 Lacy Road 54"X15"
7-29 R1-2 36"X31"
7-30 TO TRAFFIC FROM LEFT R1-54 24"X15"
7-27 R1-2 36"X31"
7-28 ONE WAY R6-2-R 24"X30"
7-25 W11-15 30"X30"
7-26 W16-7L 24"X12"
7-24 R4-7 24"X30"
12+00
00+6
FAHEY GLEN
SPEED LIMIT 35 REMOVE
7-36 Lacy Road 54"X15"
7-13 W11-15 30"X30"
7-14 W16-7L 24"X12"
7-15 R4-7 24"X30"
41+00
7-20 R1-2 36"X31"
7-21 ONE WAY R6-2-R 24"X30"
7-18 R1-2 36"X31"
7-19 TO TRAFFIC FROM LEFT R1-54 24"X15"
7-22 7-23 W11-15 30"X30" W16-7L 24"X12" MOUNT ON LIGHT POLE
7-16 7-17 W11-15 30"X30" W16-7L 24"X12"
7-35 Fahey Glen 66"X15"
40+00

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	ROUNDABOUT SIGNING	SHEET 92	E

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PULL BOXES STEEL, 24x36-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE L24

LUMINAIRE NUMBER / LIGHTING CIRCUIT/RECEPTACLE CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
PB-XX
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

X / X" | X / X,X | X / GRD

GENERAL NOTES:
PROVIDE NEUTRAL WIRE AT EVERY LIGHT POLE TO SERVE 120V RECEPTACLE.

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

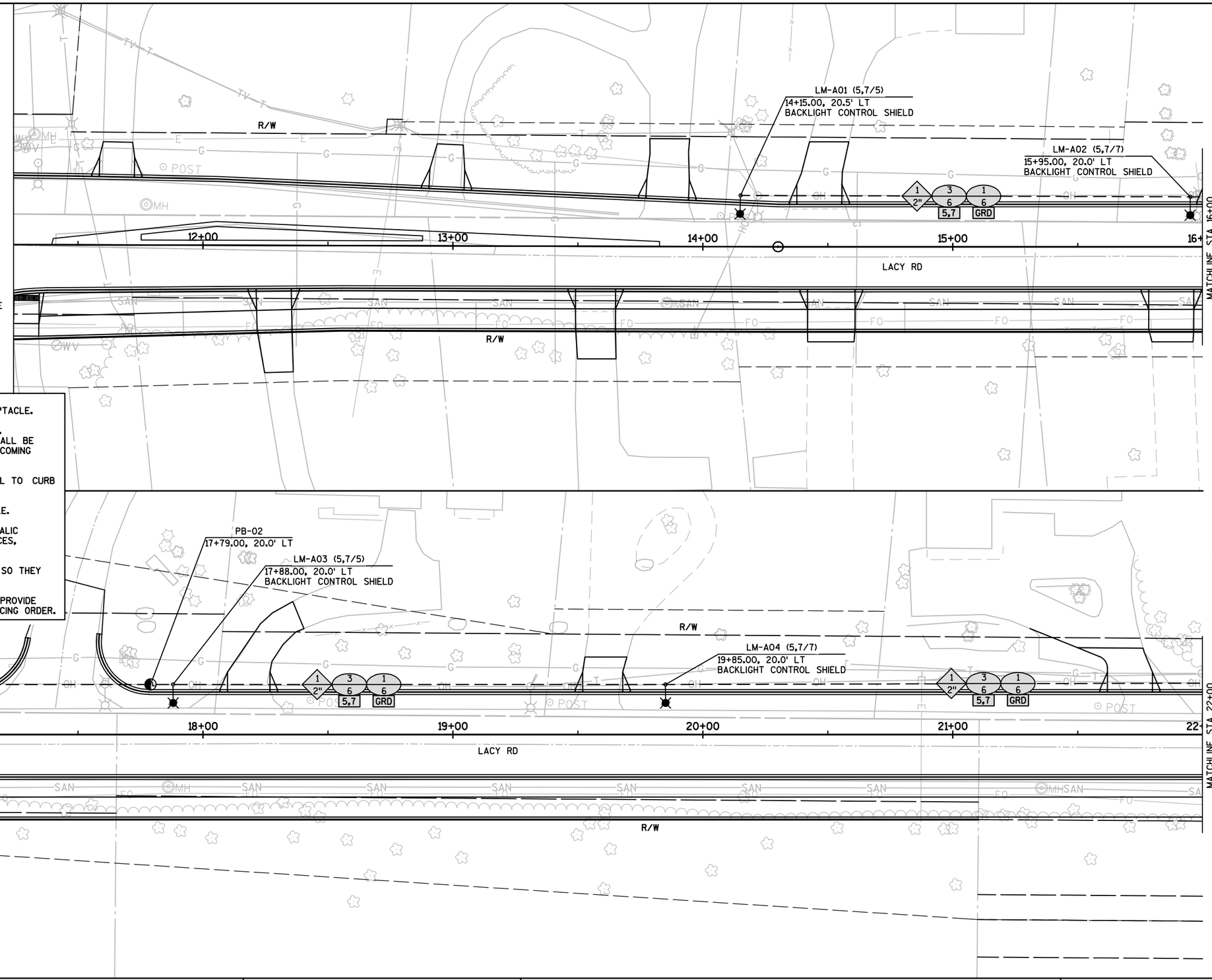
CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.

STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

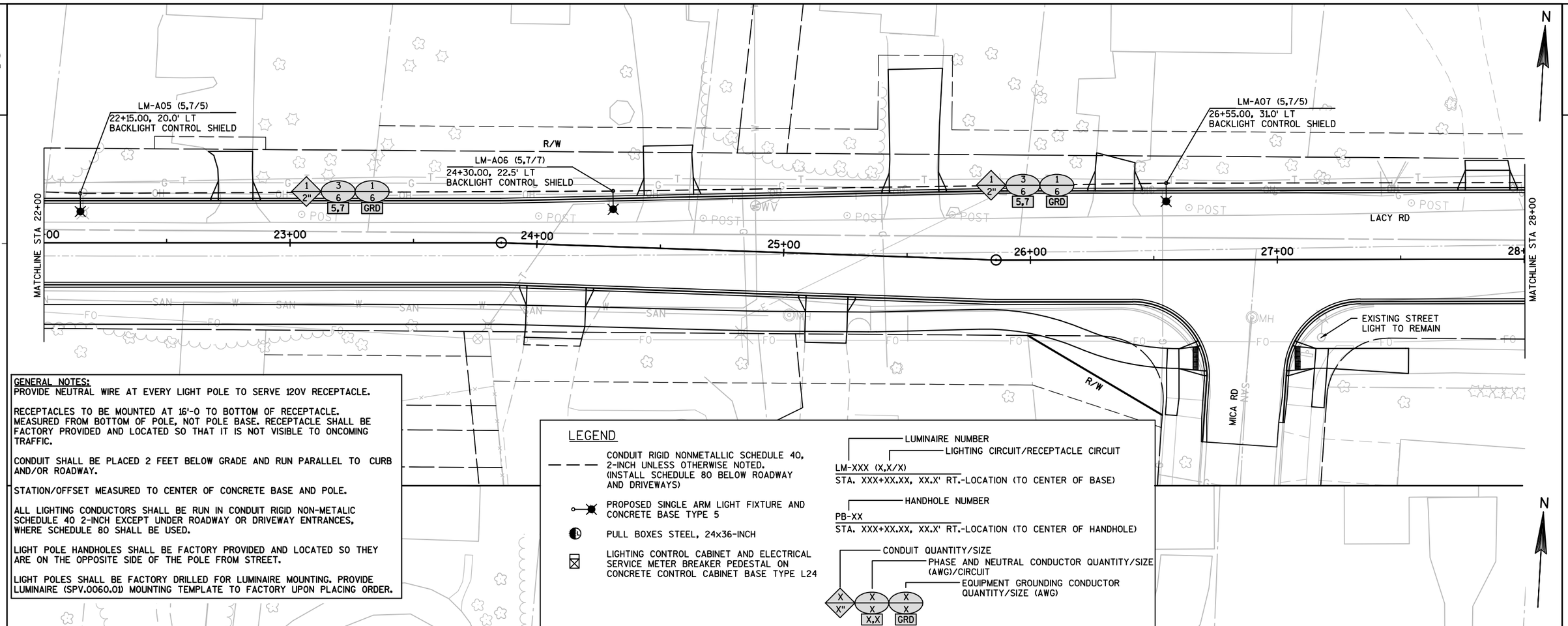
LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.



PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 93	E

2



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LEGEND

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- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PULL BOXES STEEL, 24x36-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE L24

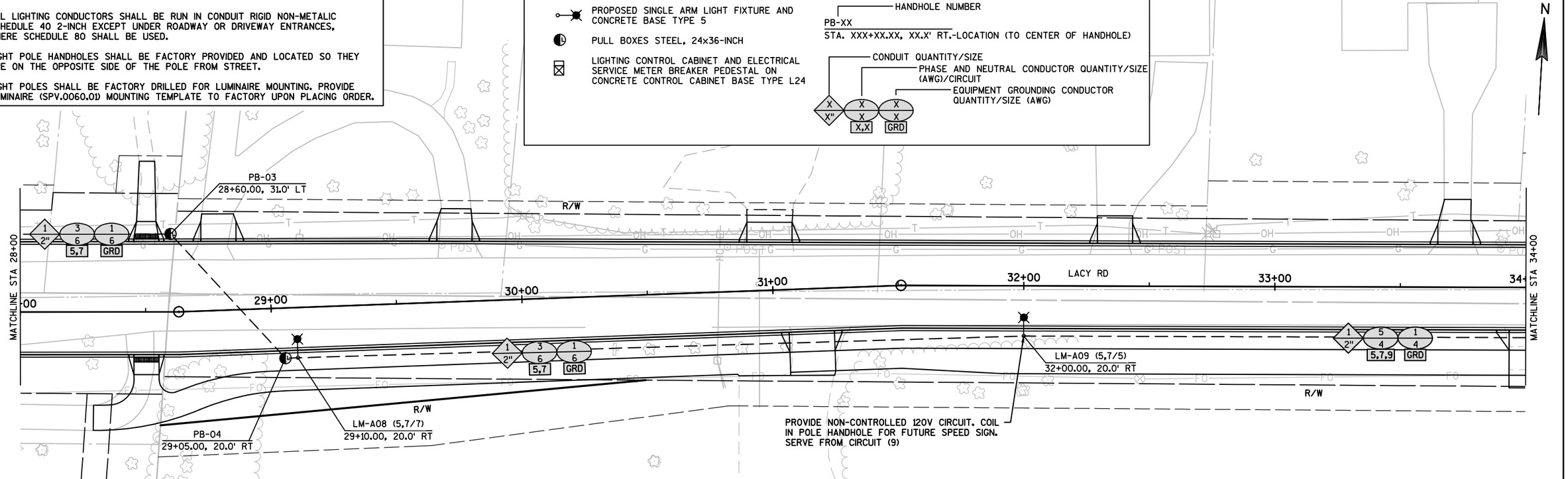
LM-XXX (X,X/X)
- LUMINAIRE NUMBER
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

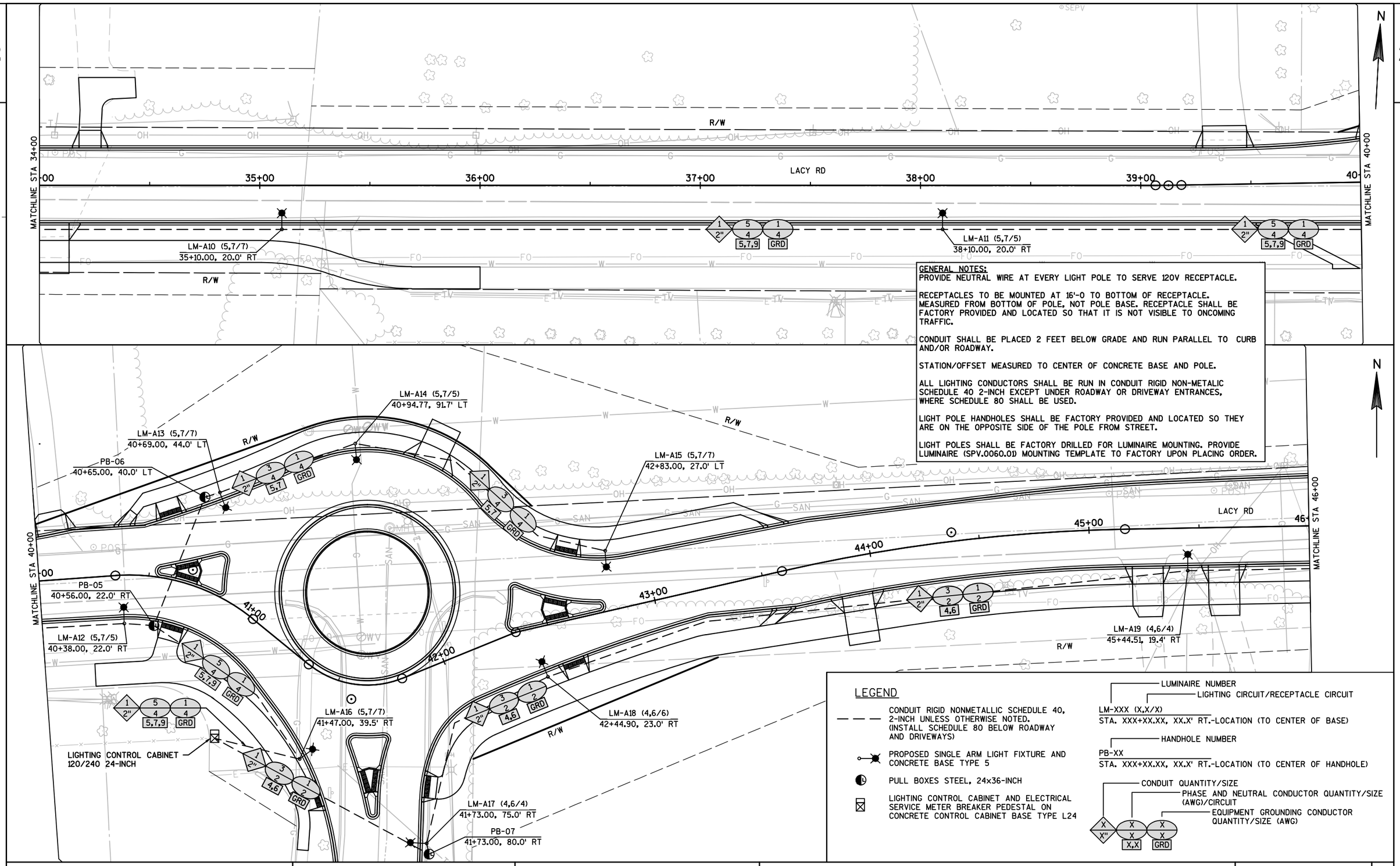
PB-XX
- HANDHOLE NUMBER

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF HANDHOLE)

X X" / X X,X / X GRD
- CONDUIT QUANTITY/SIZE
- PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 94	E



GENERAL NOTES:

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RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.

STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

LEGEND

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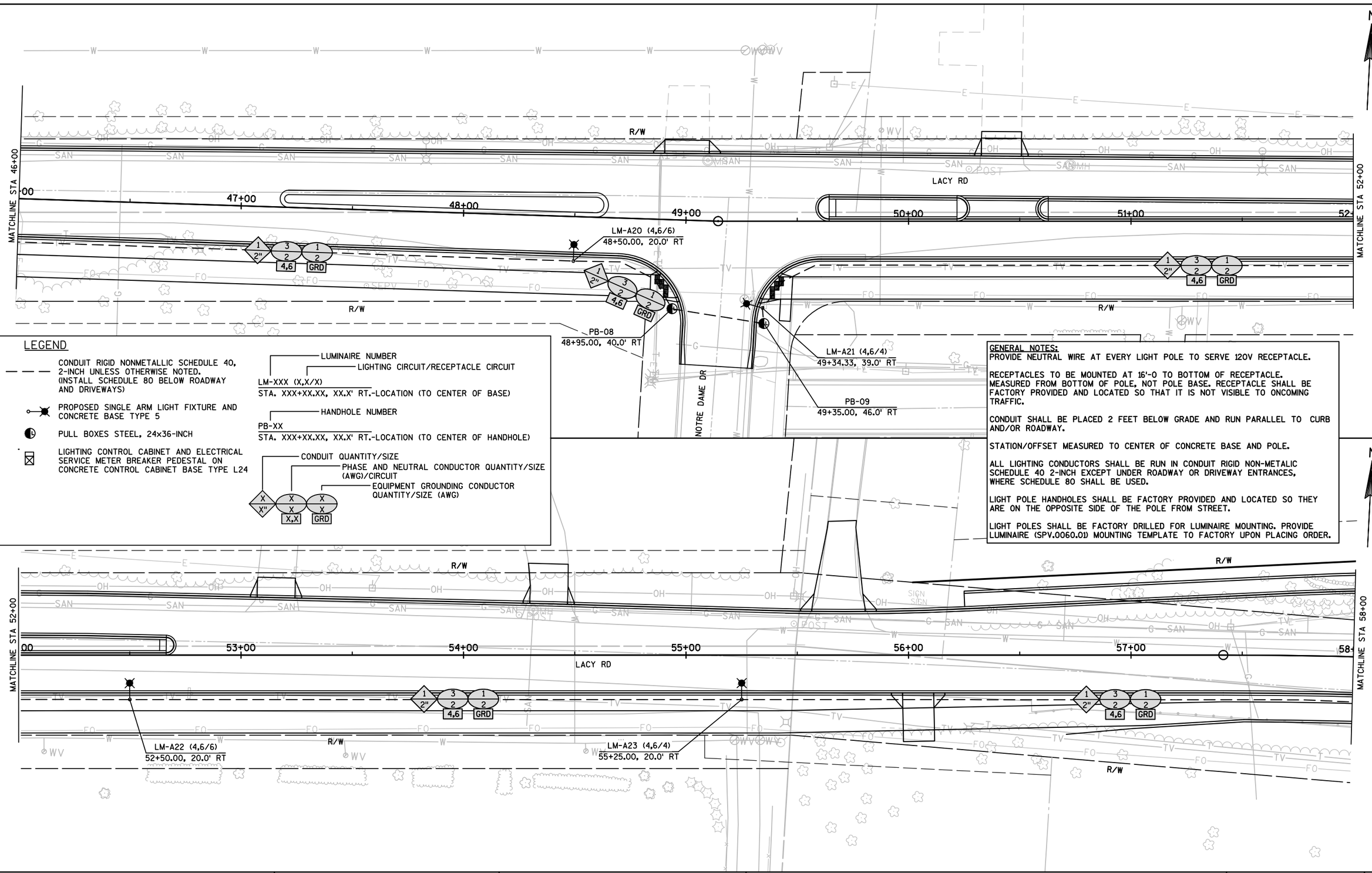
- PULL BOXES STEEL, 24x36-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE L24

LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)
(LUMINAIRE NUMBER; LIGHTING CIRCUIT/RECEPTACLE CIRCUIT)

PB-XX
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF HANDHOLE)
(HANDHOLE NUMBER)

(CONDUIT QUANTITY/SIZE; PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG))

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	LIGHTING PLAN	SHEET 95	E



LEGEND

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- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PULL BOXES STEEL, 24x36-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE L24

LM-XXX (X,X/X)
- LUMINAIRE NUMBER
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

PB-XX
- HANDHOLE NUMBER

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF HANDHOLE)

- CONDUIT QUANTITY/SIZE
- PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

GENERAL NOTES:

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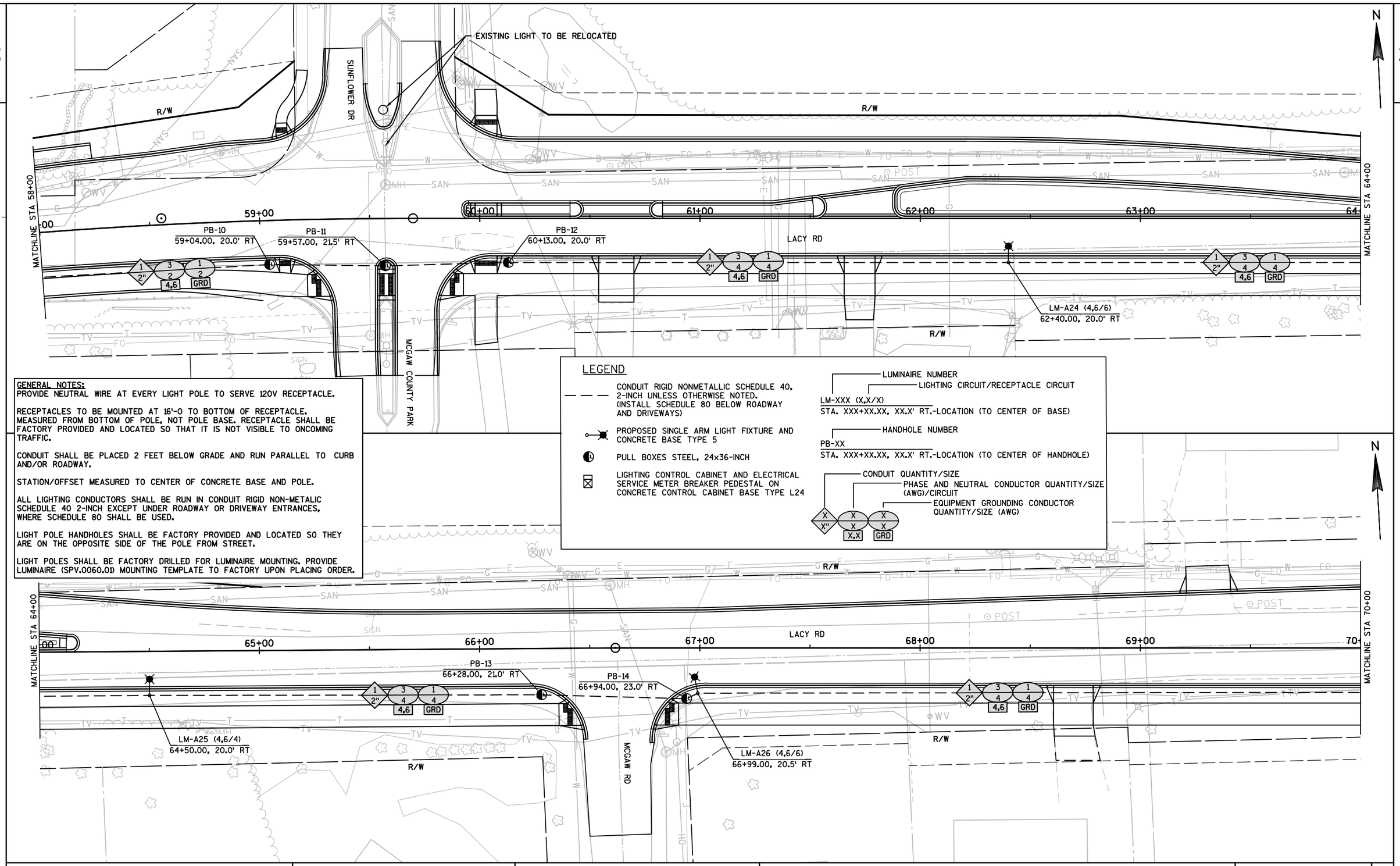
LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 96	E



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LEGEND

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LM-XXX (X,X/X)
- LUMINAIRE NUMBER
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

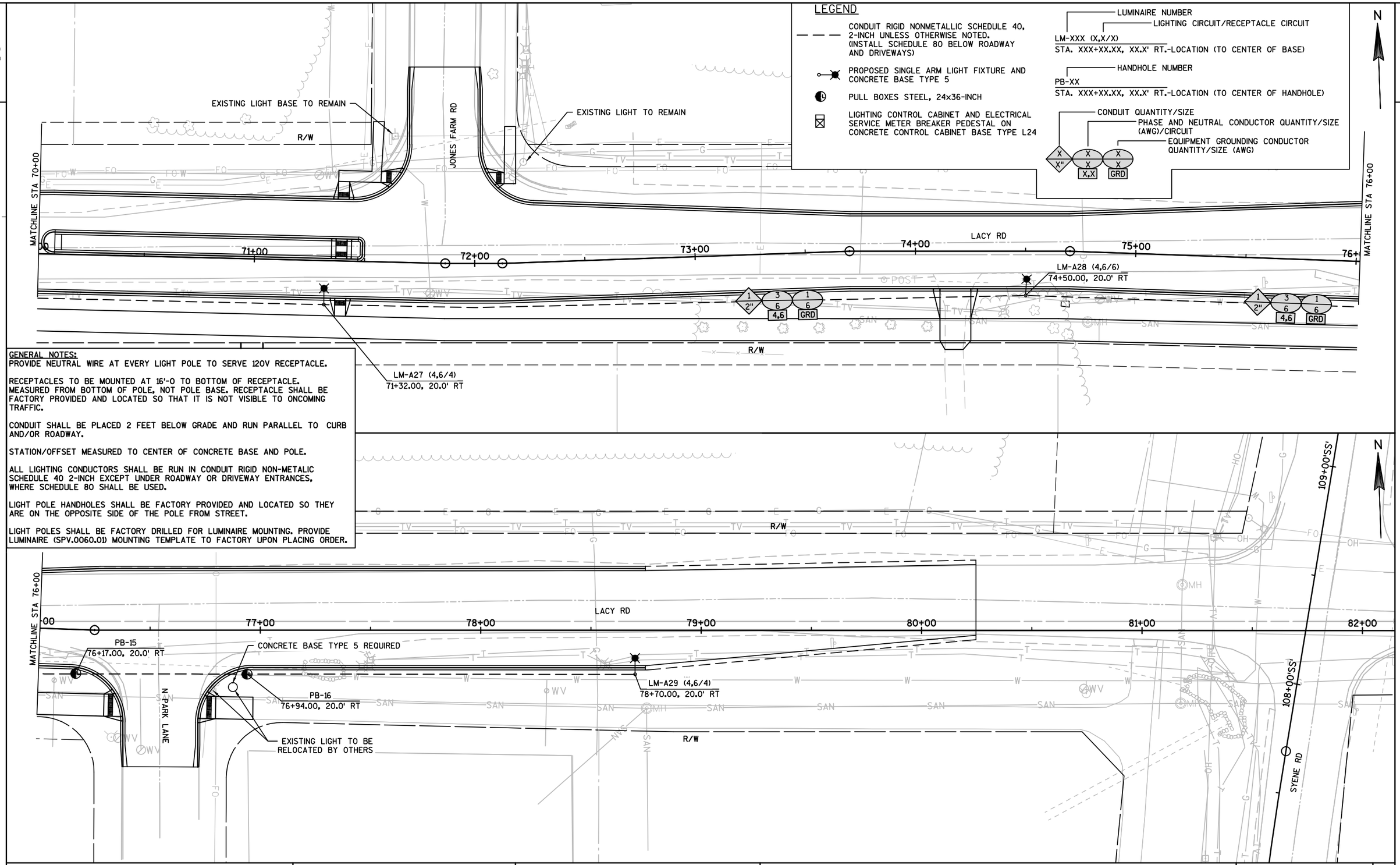
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

PB-XX
- HANDHOLE NUMBER

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF HANDHOLE)

- CONDUIT QUANTITY/SIZE
- PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 97	E



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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LIGHTING PLAN	SHEET 98 E

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

THE SPACING BETWEEN TRAFFIC CONTROL AND ROAD CLOSED 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.

ALL EXISTING SIGNS THAT NEED TO BE COVERED SHALL BE COVERED WITH A BLANK ORANGE PANEL.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", FOR ADDITIONAL INFORMATION.

2

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LACY RD CONSTRUCTION OVERVIEW	SHEET 99	E

2

2

N

E. CHERYL PARKWAY

SOUTH SYENE RD

LACY RD

SUNFLOWER DR

JONES FARM DR

LACY RD

60+00

70+00

80+00

MATCHLINE STA 40+00

00

FAHEY GLEN

NOTRE DAME DR

MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS ACROSS LACY ROAD AT SUNFLOWER DRIVE AT ALL TIMES

MCGAW PARK

MCGAW RD

END PROJECT
STA 80+25.00

WISCONSIN AND SOUTHERN RAILROAD

BLANEY RD

LEGEND

XXX DETOUR

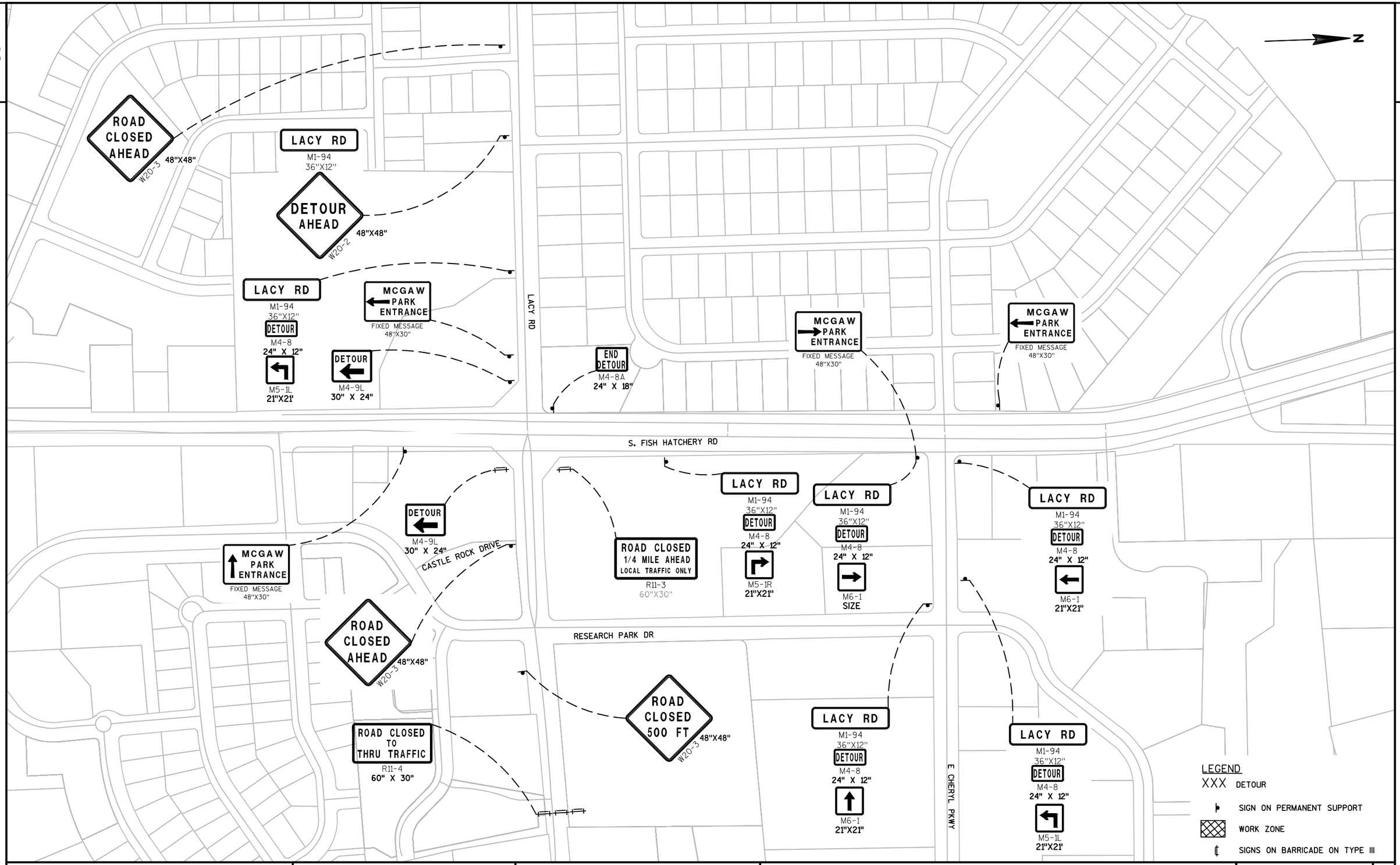
WORK ZONE (CLOSED TO THRU TRAFFIC)

WORK ZONE (OPEN TO THRU TRAFFIC)

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	LACY RD CONSTRUCTION OVERVIEW	SHEET 100	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\027002_DT - DETOUR OVERVIEW.DWG
LAYOUT NAME - 027002_DT - DETOUR OVERVIEW

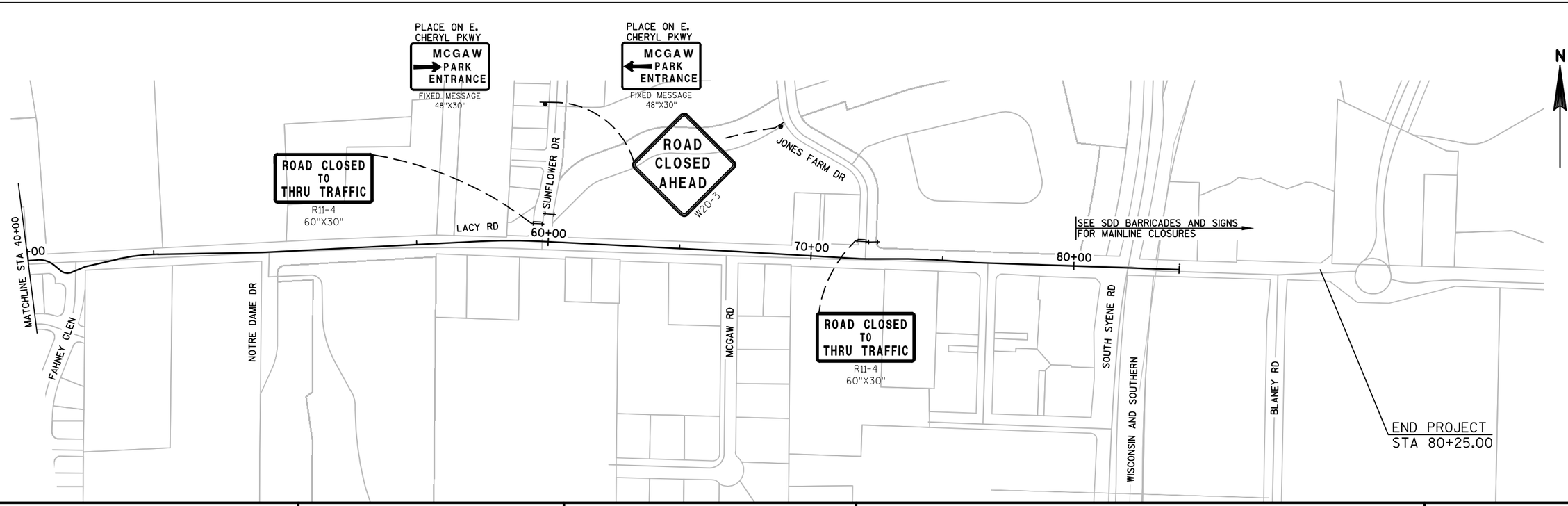
PLOT DATE : 10/17/2016 4:17 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : **********



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TRAFFIC CONTROL AND DETOUR	SHEET 101 E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\027002_DT -LACY RD DETOUR.DWG
LAYOUT NAME - 027003_DT -LACY RD DETOUR
PLOT DATE : 1/5/2017 10:13 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1:300
WISDOT/CADDS SHEET 42

SEE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES", FOR ADDITIONAL INFORMATION.



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TRAFFIC CONTROL AND DETOUR	SHEET 102	E

2

N

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR AHEAD
W20-2-A

MCGAW PARK ENTRANCE
FIXED MESSAGE
48"X30"

WISCONSIN AND SOUTHERN

SOUTH SYENE RD

LACY RD

BLANEY RD

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR AHEAD
W20-2-A

MCGAW PARK ENTRANCE
FIXED MESSAGE
48"X30"

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

NO OAKS RIDGE

MCGAW PARK ENTRANCE
FIXED MESSAGE
48"X30"

LACY RD

END DETOUR
M4-8A
24" X 18"

EAST CHERYL PARKWAY

HAIGHT FARM RD

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

DETOUR AHEAD
W20-2-A

ROAD CLOSED AHEAD
W20-3-A

DETOUR
M4-8
24"X12"
M6-1
21"X21"
LACY RD
M1-94
36"X12"

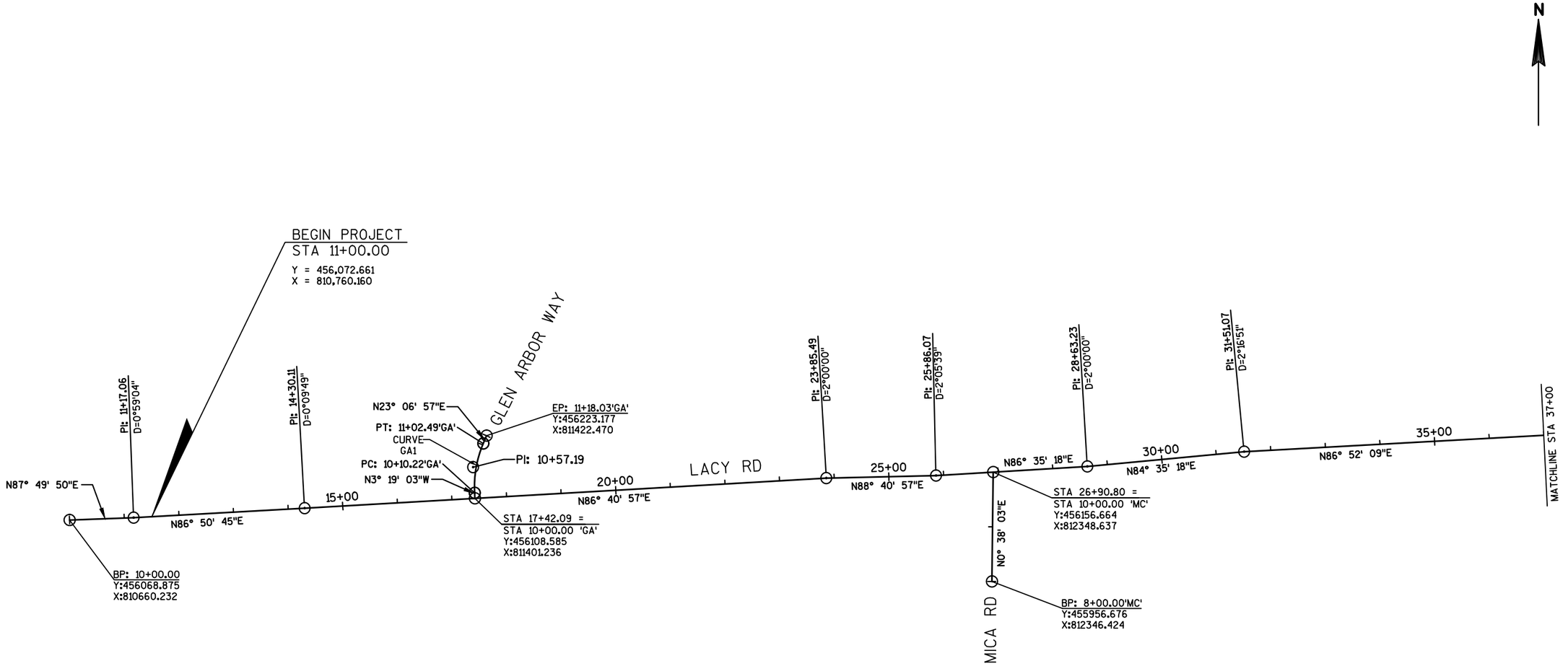
DETOUR AHEAD
W20-2-A

ROAD CLOSED AHEAD
W20-3-A

LEGEND
XXX DETOUR
SIGN ON PERMANENT SUPPORT
WORK ZONE
SIGNS ON BARRICADE ON TYPE III

PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	TRAFFIC CONTROL AND DETOUR	SHEET 103	E

2



CURVE GA1
PI STA = 10+57.19
Y = 456165.680
X = 811397.927
DELTA = 26°26'00"
D = 28°38'52"
T = 46.97'
L = 92.27'
R = 200.00'
PC STA = 10+10.22
PT STA = 11+02.49

PROJECT NO:5849-00-11	HWY: LACY ROAD	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 104	E

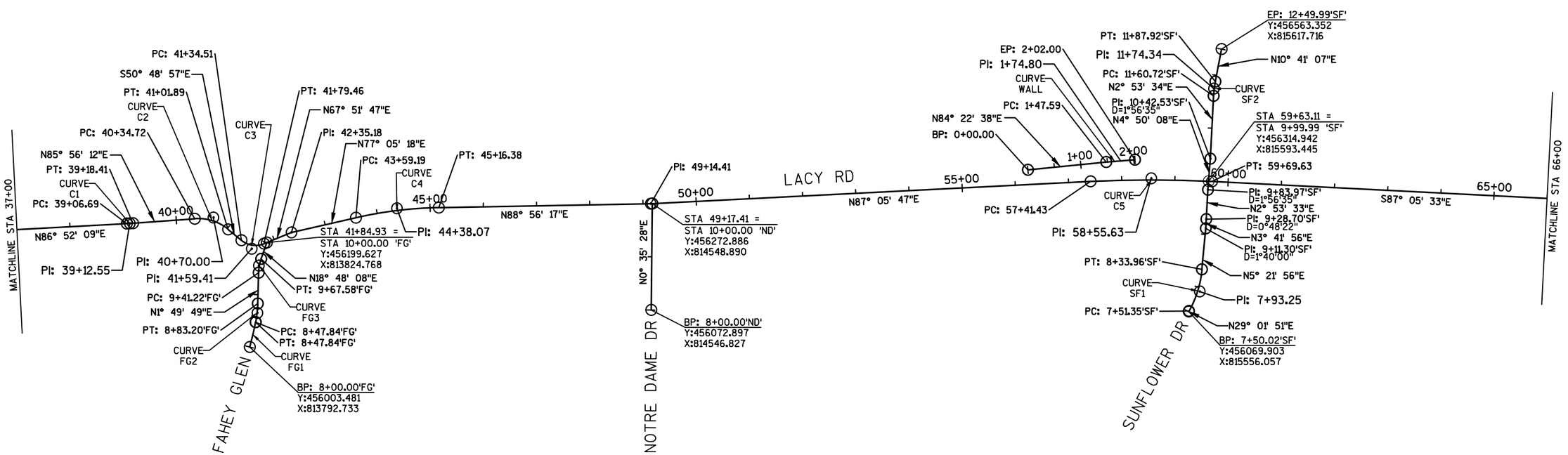
CURVE C1
PI STA = 39+12.55
Y = 456235.659
X = 813567.659
DELTA = 0°55'57"
D = 7°57'28"
T = 5.86'
L = 11.72'
R = 720.00'
PC STA = 39+06.69
PT STA = 39+18.41

CURVE C2
PI STA = 40+70.00
Y = 456246.815
X = 813724.709
DELTA = 43°14'51"
D = 64°22'38"
T = 35.28'
L = 67.18'
R = 89.00'
PC STA = 40+34.72
PT STA = 41+01.89

CURVE C3
PI STA = 41+59.41
Y = 456188.184
X = 813796.639
DELTA = 61°19'17"
D = 136°25'07"
T = 24.90'
L = 44.95'
R = 42.00'
PC STA = 41+34.51
PT STA = 41+79.46

CURVE C4
PI STA = 44+38.07
Y = 456263.896
X = 814069.069
DELTA = 11°50'59"
D = 7°32'20"
T = 78.87'
L = 157.18'
R = 760.00'
PC STA = 43+59.19
PT STA = 45+16.38

CURVE C5
PI STA = 58+55.63
Y = 456320.413
X = 815485.901
DELTA = 5°48'40"
D = 2°32'47"
T = 114.20'
L = 228.20'
R = 2250.00'
PC STA = 57+41.43
PT STA = 59+69.63



CURVE FG1
PI STA = 8+23.93
Y = 456026.520
X = 813799.220
DELTA = 4°41'09"
D = 9°47'39"
T = 23.93'
L = 47.84'
R = 585.00'
PC STA = 8+00.00
PT STA = 8+47.84

CURVE FG2
PI STA = 8+65.56
Y = 456067.402
X = 813807.196
DELTA = 9°12'34"
D = 26°02'37"
T = 17.72'
L = 35.36'
R = 220.00'
PC STA = 8+47.84
PT STA = 8+83.20

CURVE FG3
PI STA = 9+54.49
Y = 456156.366
X = 813810.039
DELTA = 16°58'19"
D = 64°22'38"
T = 13.28'
L = 26.36'
R = 89.00'
PC STA = 9+41.22
PT STA = 9+67.58

CURVE SF1
PI STA = 7+93.25
Y = 456107.697
X = 815577.033
DELTA = 23°39'55"
D = 28°38'52"
T = 41.90'
L = 82.61'
R = 200.00'
PC STA = 7+51.35
PT STA = 8+33.96

CURVE SF2
PI STA = 11+74.34
Y = 456488.981
X = 815603.683
DELTA = 7°47'33"
D = 28°38'52"
T = 13.62'
L = 27.20'
R = 200.00'
PC STA = 11+60.72
PT STA = 11+87.92

CURVE WALL
PI STA = 1+74.80
Y = 456353.564
X = 815428.120
DELTA = 2°02'44"
D = 3°45'34"
T = 27.21'
L = 54.41'
R = 1524.00'
PC STA = 1+47.59
PT STA = 2+02.00

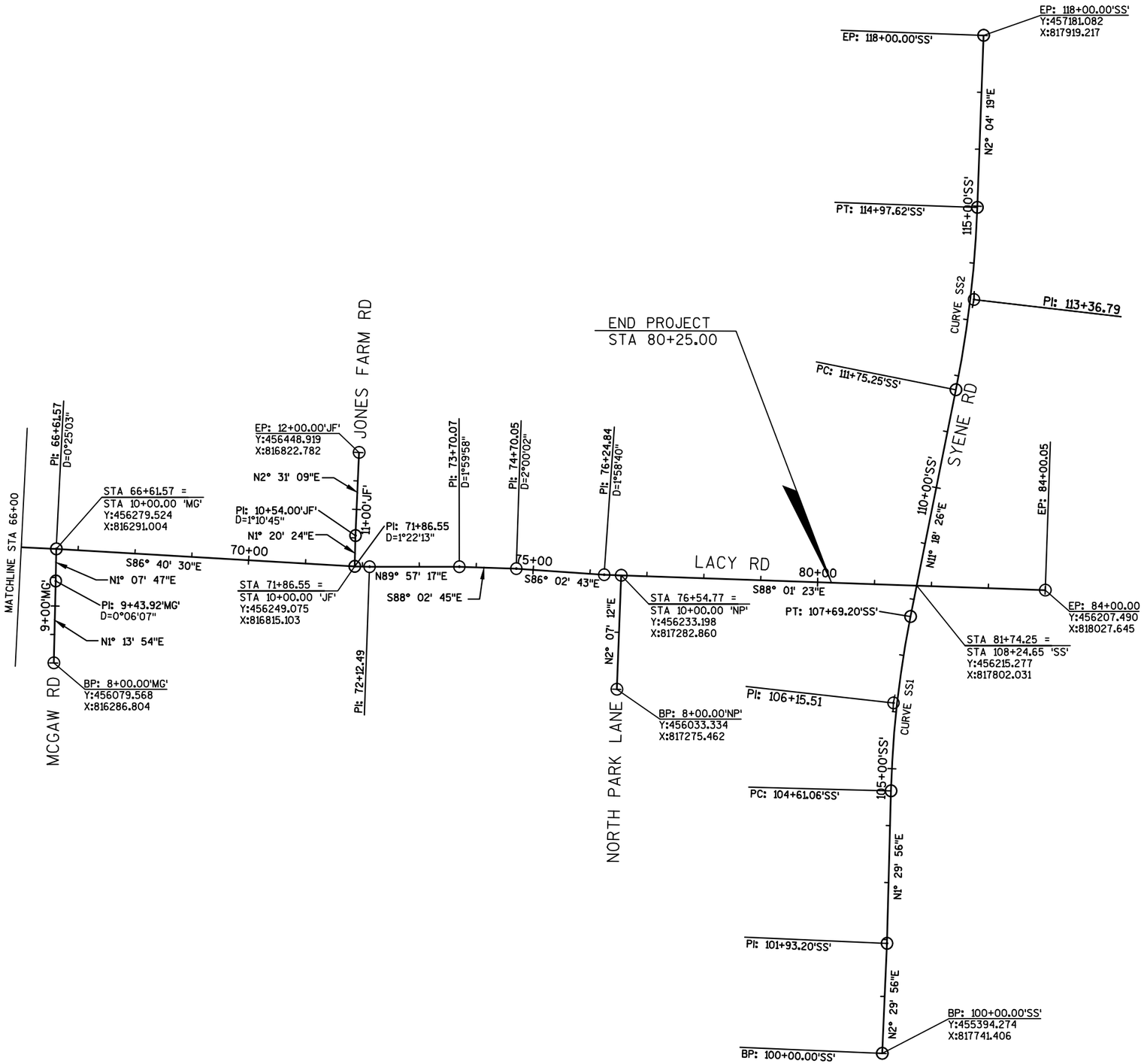
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 105	E

2

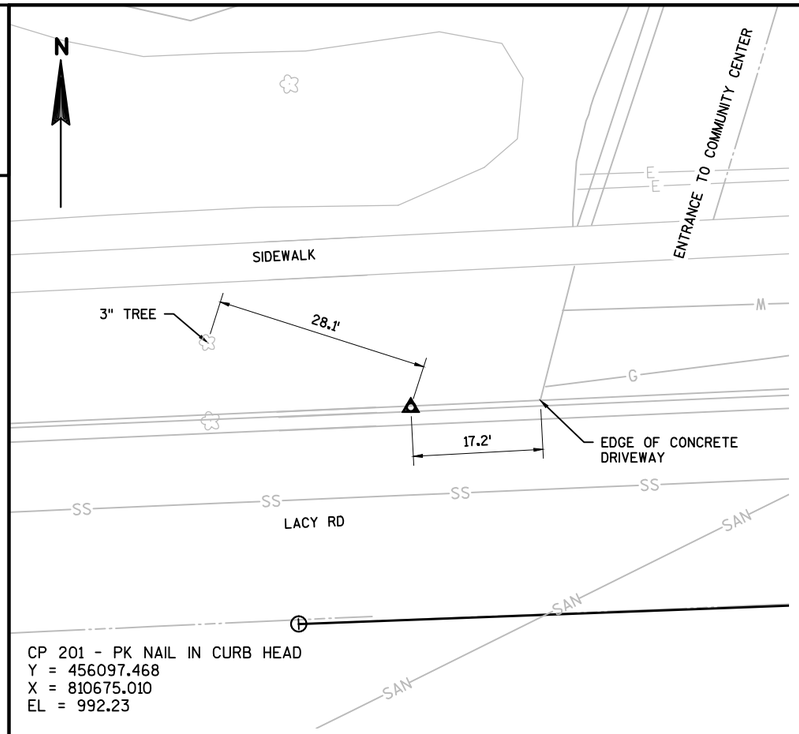
N

CURVE SS1
PI STA = 106+15.51
Y = 456009.454
X = 817760.877
DELTA = 9°48'30"
D = 3°10'59"
T = 154.45'
L = 308.14'
R = 1800.00'
PC STA = 104+61.06
PT STA = 107+69.20

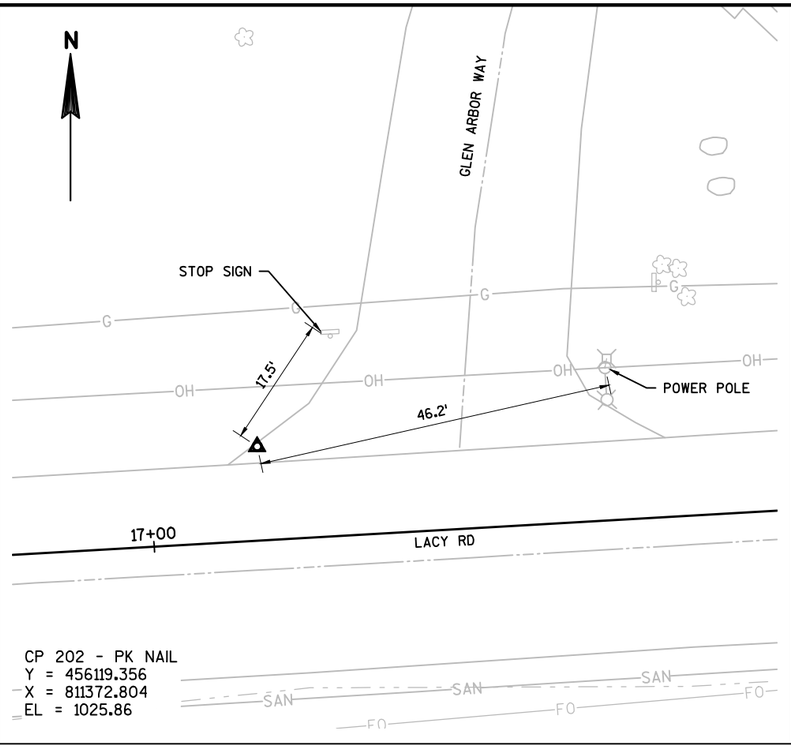
CURVE SS2
PI STA = 113+36.79
Y = 456717.475
X = 817902.445
DELTA = 9°14'07"
D = 2°51'53"
T = 161.53'
L = 322.37'
R = 2000.00'
PC STA = 111+75.25
PT STA = 114+97.62



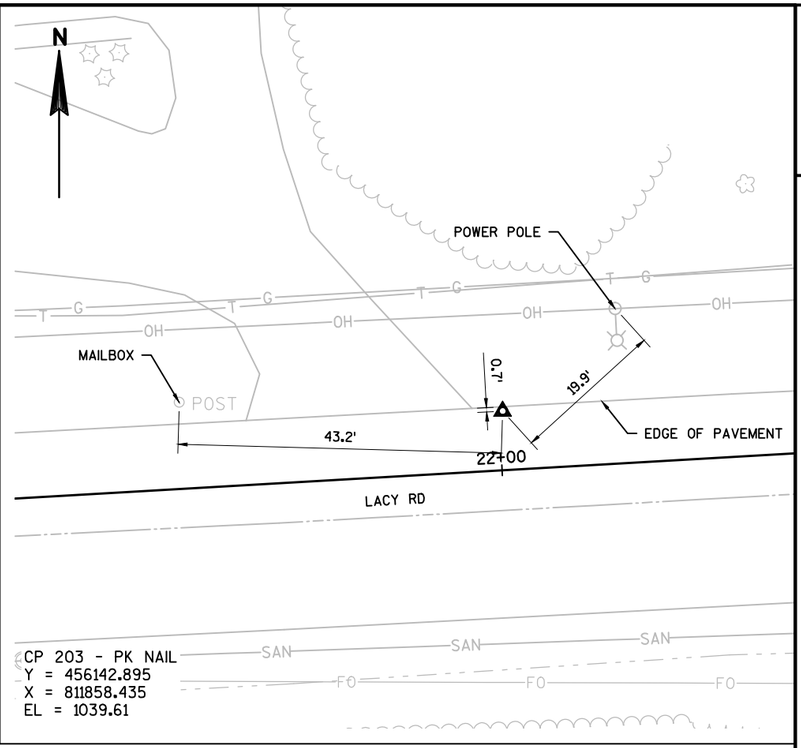
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 106	E



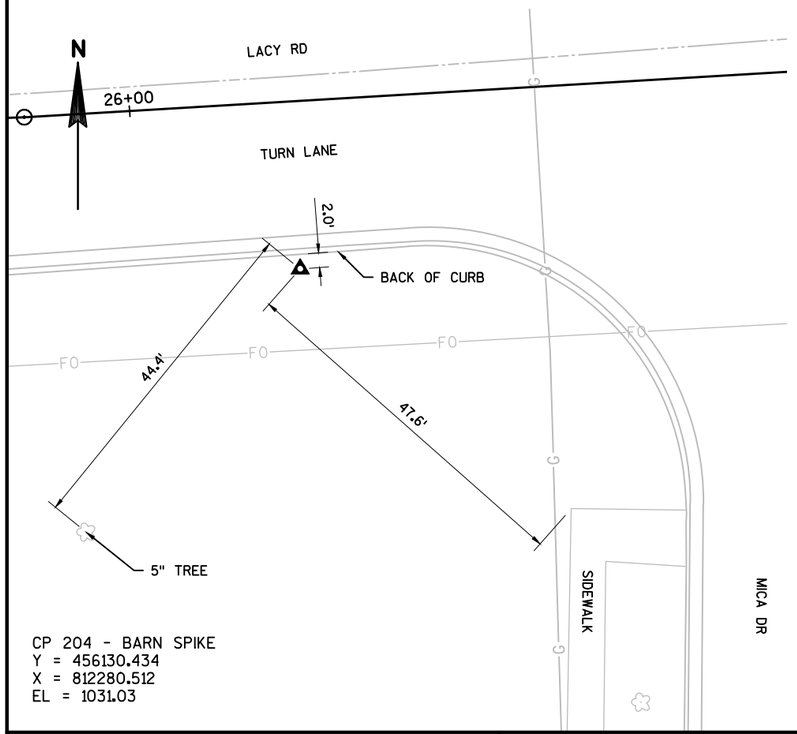
CP 201 - PK NAIL IN CURB HEAD
Y = 456097.468
X = 810675.010
EL = 992.23



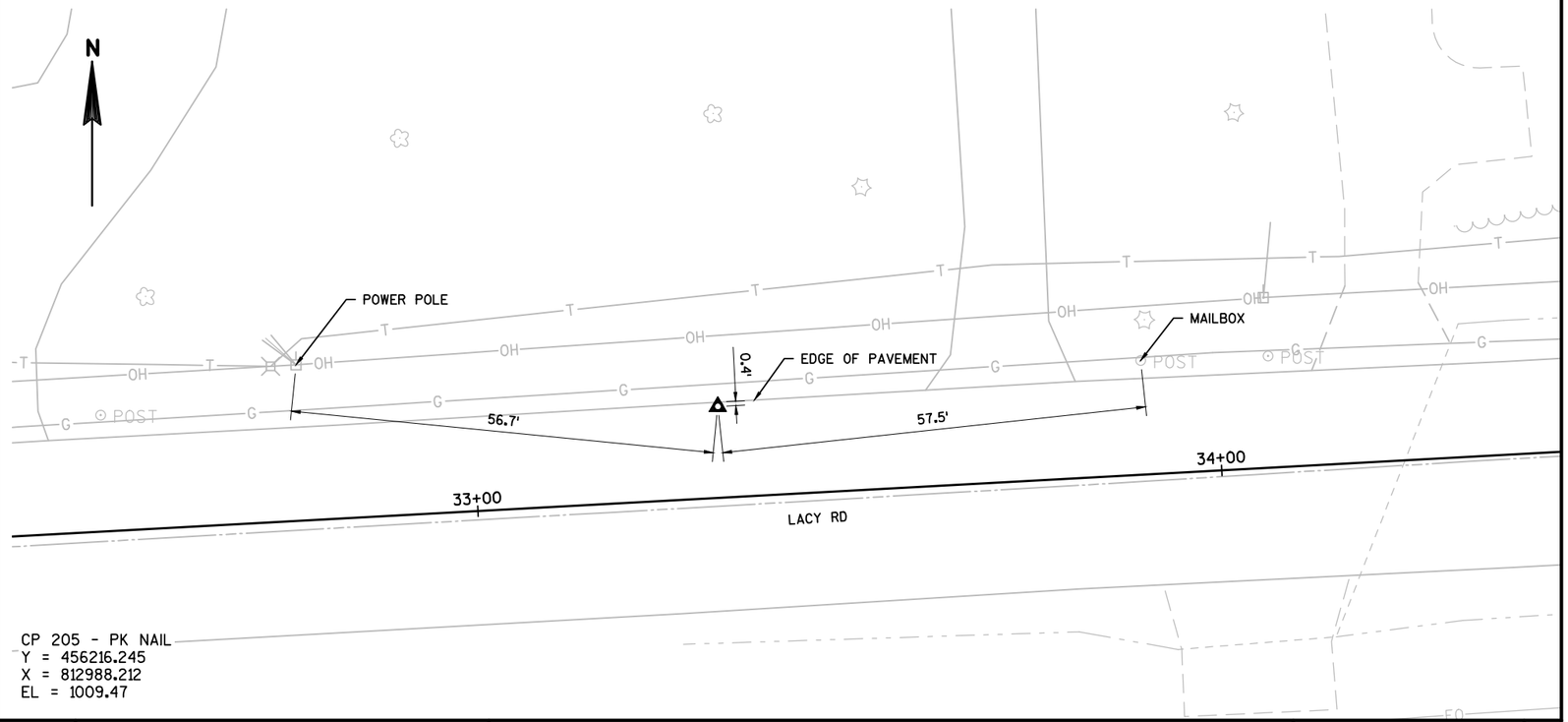
CP 202 - PK NAIL
Y = 456119.356
X = 811372.804
EL = 1025.86



CP 203 - PK NAIL
Y = 456142.895
X = 811858.435
EL = 1039.61

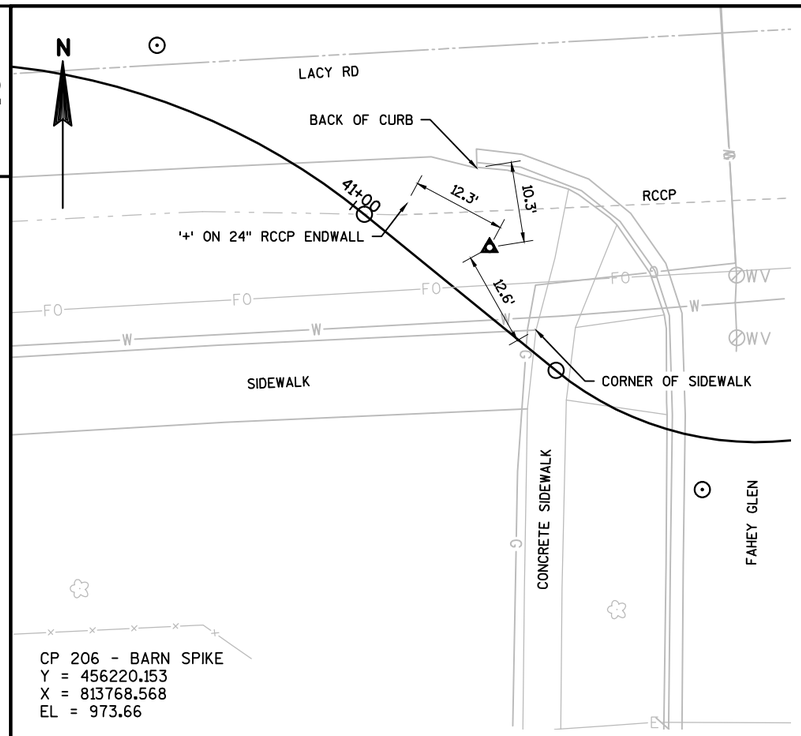


CP 204 - BARN SPICE
Y = 456130.434
X = 812280.512
EL = 1031.03

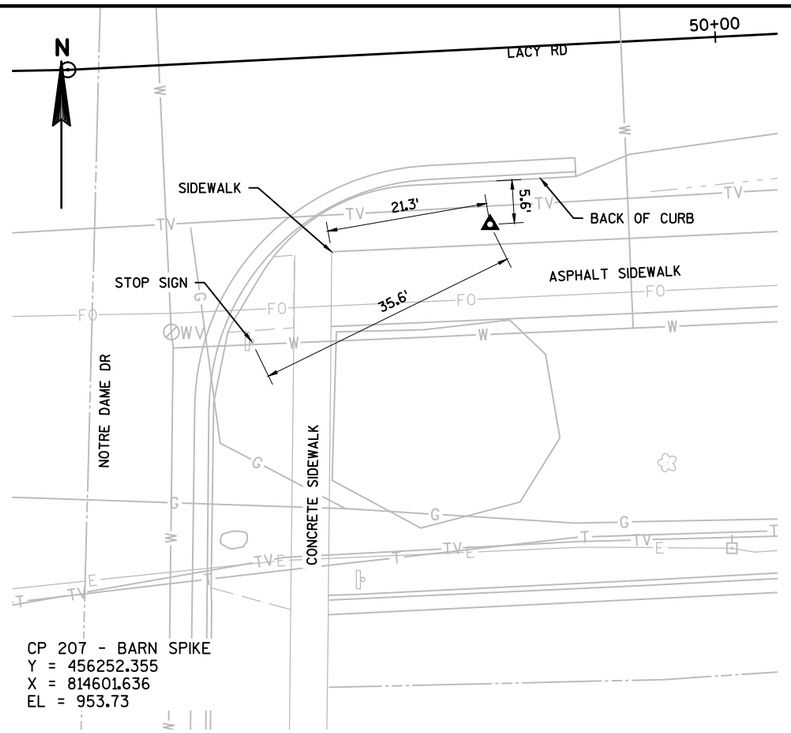


CP 205 - PK NAIL
Y = 456216.245
X = 812988.212
EL = 1009.47

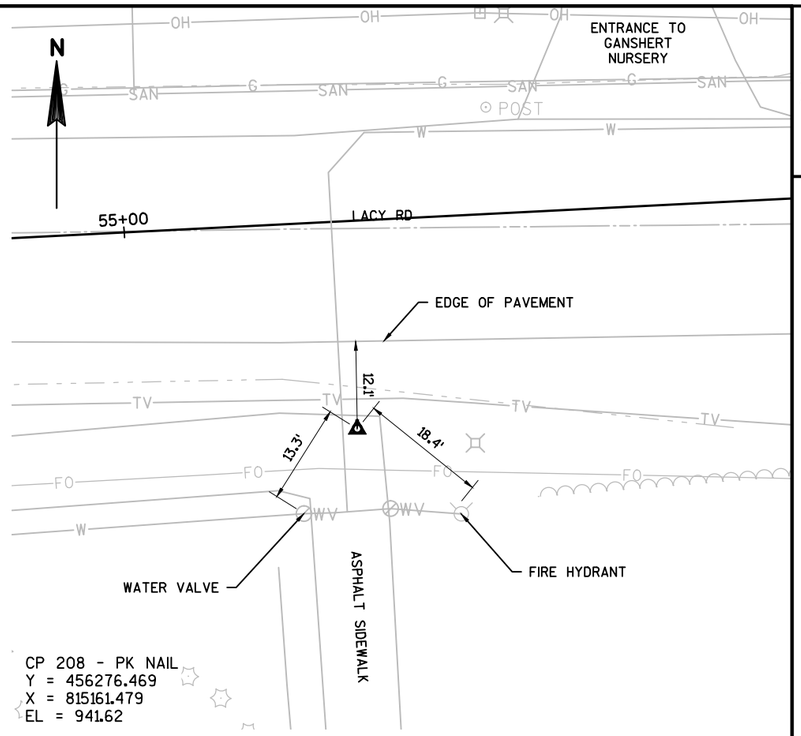
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CONTROL POINT DATA SHEET	SHEET 107 E



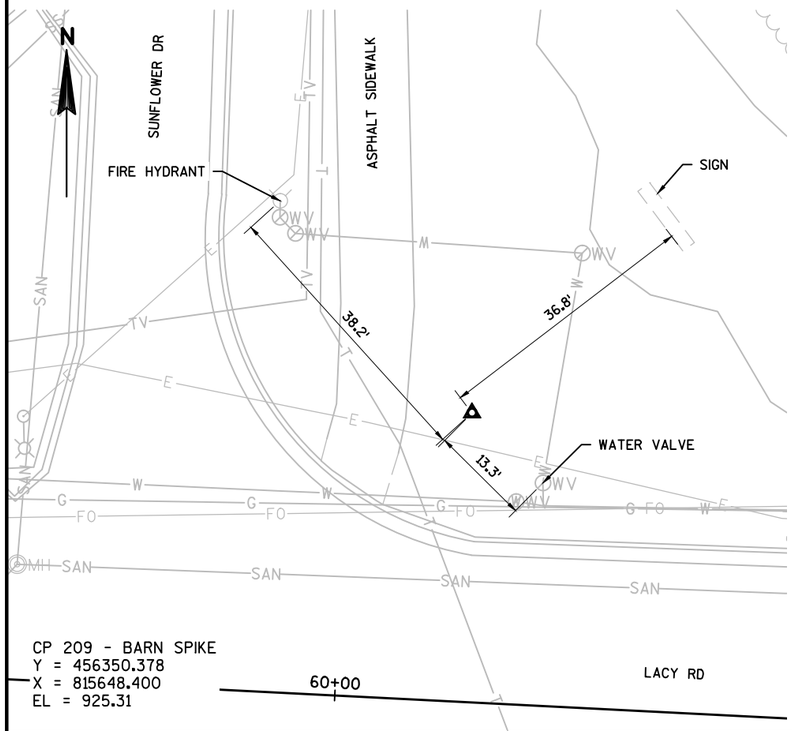
CP 206 - BARN SPIKE
Y = 456220.153
X = 813768.568
EL = 973.66



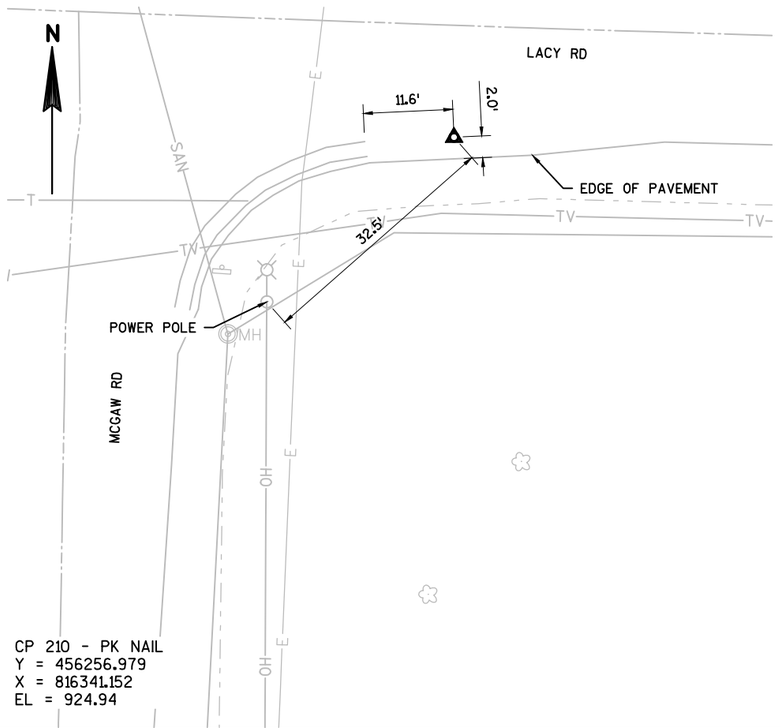
CP 207 - BARN SPIKE
Y = 456252.355
X = 814601.636
EL = 953.73



CP 208 - PK NAIL
Y = 456276.469
X = 815161.479
EL = 941.62

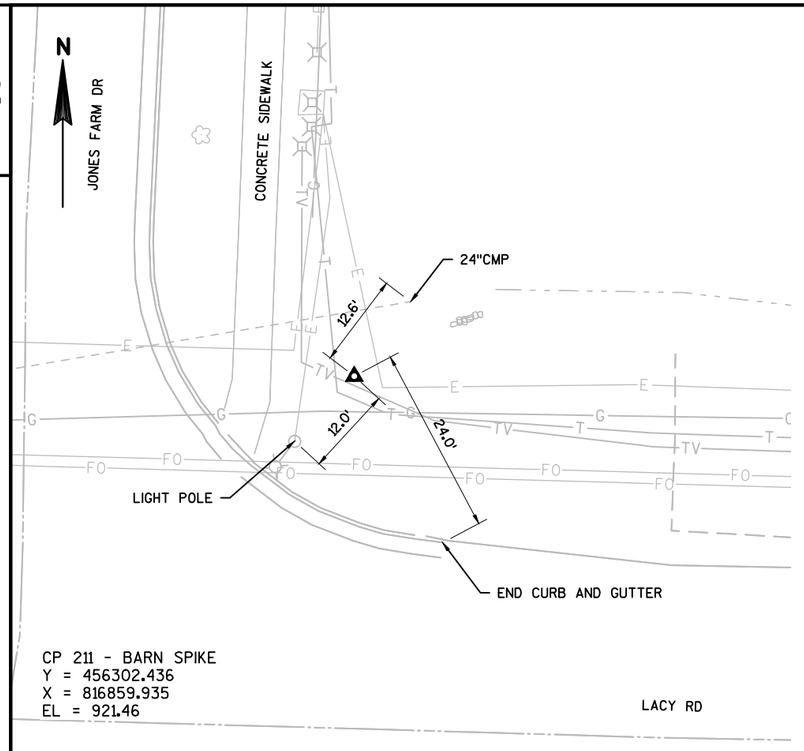


CP 209 - BARN SPIKE
Y = 456350.378
X = 815648.400
EL = 925.31

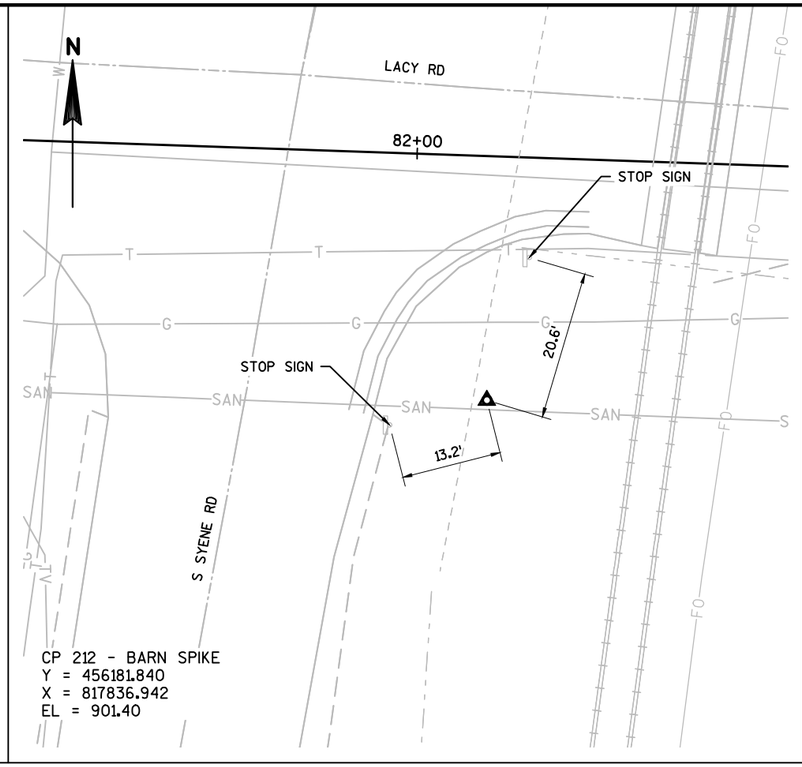


CP 210 - PK NAIL
Y = 456256.979
X = 816341.152
EL = 924.94

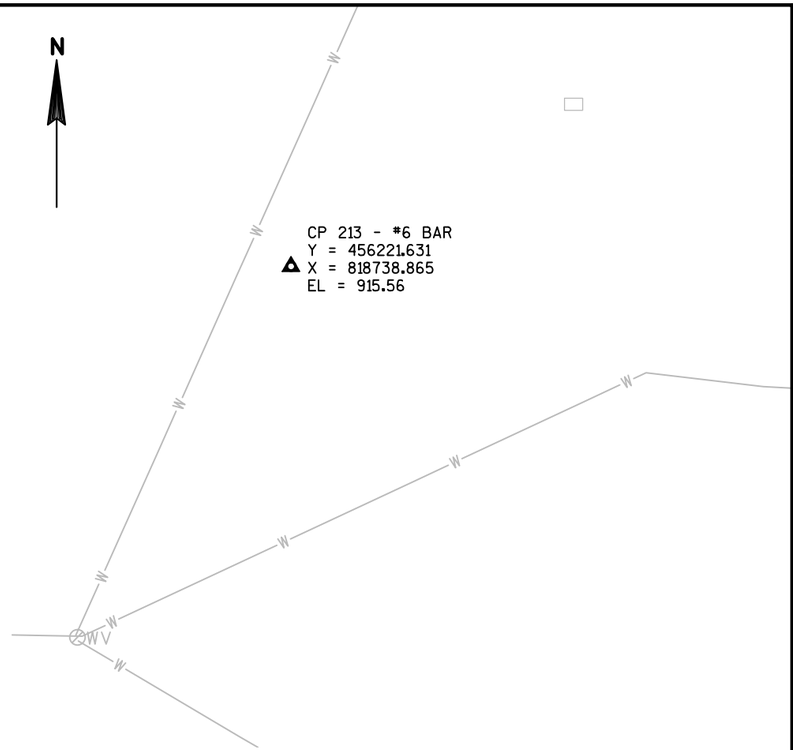
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CONTROL POINT DATA SHEET	SHEET 108	E



CP 211 - BARN SPIKE
Y = 456302.436
X = 816859.935
EL = 921.46



CP 212 - BARN SPIKE
Y = 456181.840
X = 817836.942
EL = 901.40



CP 213 - *6 BAR
Y = 456221.631
X = 818738.865
EL = 915.56

2

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CONTROL POINT DATA SHEET	SHEET 109	E

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0010	201.0105	Clearing	STA	38.000	38.000	
0020	201.0205	Grubbing	STA	38.000	38.000	
0030	203.0100	Removing Small Pipe Culverts	EACH	28.000	28.000	
0040	204.0100	Removing Pavement	SY	331.000	331.000	
0050	204.0120	Removing Asphaltic Surface Milling	SY	496.000	496.000	
0060	204.0150	Removing Curb & Gutter	LF	2,132.000	2,132.000	
0070	204.0155	Removing Concrete Sidewalk	SY	240.000	240.000	
0080	204.0165	Removing Guardrail	LF	290.000	290.000	
0090	204.0210	Removing Manholes	EACH	1.000	1.000	
0100	204.0220	Removing Inlets	EACH	3.000	3.000	
0110	204.0245	Removing Storm Sewer (size) 01.12-Inch	LF	267.000	267.000	
0120	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	36.000	36.000	
0130	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	11.000	11.000	
0140	204.9105.S	Removing (item description) 01. Boulder Retaining Wall	LS	1.000	1.000	
0150	205.0100	Excavation Common	CY	26,523.000	26,523.000	
0160	209.2100	Backfill Granular Grade 2	CY	60.000	60.000	
0170	213.0100	Finishing Roadway (project) 01. 5849-00-11	EACH	1.000	1.000	
0180	305.0110	Base Aggregate Dense 3/4-Inch	TON	79.000	79.000	
0190	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	28,888.000	28,888.000	
0200	310.0110	Base Aggregate Open-Graded	TON	15,891.000	15,891.000	
0210	312.0110	Select Crushed Material	TON	3,409.000	3,409.000	
0220	405.0100	Coloring Concrete WisDOT Red	CY	286.000	286.000	
0230	405.1000	Stamping Colored Concrete	CY	48.000	48.000	
0240	415.0080	Concrete Pavement 8-Inch	SY	45.000	45.000	
0250	416.0270	Concrete Driveway HES 7-Inch	SY	796.000	796.000	
0260	416.0512	Concrete Truck Apron 12-Inch	SY	237.000	237.000	
0270	440.4410	Incentive IRI Ride	DOL	5,000.000	5,000.000	
0280	455.0605	Tack Coat	GAL	2,124.000	2,124.000	
0290	460.2000	Incentive Density HMA Pavement	DOL	5,440.000	5,440.000	
0300	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,098.000	5,098.000	
0310	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,395.000	3,395.000	
0320	465.0105	Asphaltic Surface	TON	864.000	864.000	
0330	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	155.000	155.000	
0340	465.0315	Asphaltic Flumes	SY	11.000	11.000	
0350	513.8016	Railing Steel Pedestrian Type C3 (structure) 01. R-13-315	LF	202.000	202.000	
0360	517.1010.S	Concrete Staining (structure) 01. R-13-315	SF	810.000	810.000	
0370	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000	
0380	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0390	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	1.000	1.000	
0400	601.0105	Concrete Curb Type A	LF	78.000	78.000	
0410	601.0205	Concrete Gutter 24-Inch	LF	789.000	789.000	
0420	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	182.000	182.000	
0430	601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	LF	264.000	264.000	
0440	602.0410	Concrete Sidewalk 5-Inch	SF	9,152.000	9,152.000	
0450	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	724.000	724.000	
0460	606.0300	Riprap Heavy	CY	53.000	53.000	
0470	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	842.000	842.000	
0480	608.3612	Storm Sewer Pipe Class III-B 12-Inch	LF	1,237.000	1,237.000	
0490	608.3615	Storm Sewer Pipe Class III-B 15-Inch	LF	84.000	84.000	
0500	608.3618	Storm Sewer Pipe Class III-B 18-Inch	LF	1,307.000	1,307.000	
0510	608.3624	Storm Sewer Pipe Class III-B 24-Inch	LF	1,026.000	1,026.000	
0520	608.3630	Storm Sewer Pipe Class III-B 30-Inch	LF	11.000	11.000	
0530	611.0530	Manhole Covers Type J	EACH	33.000	33.000	
0540	611.0624	Inlet Covers Type H	EACH	53.000	53.000	
0550	611.0642	Inlet Covers Type MS	EACH	7.000	7.000	
0560	611.0652	Inlet Covers Type T	EACH	2.000	2.000	
0570	611.1230	Catch Basins 2x3-FT	EACH	55.000	55.000	
0580	611.2004	Manholes 4-FT Diameter	EACH	11.000	11.000	
0590	611.2005	Manholes 5-FT Diameter	EACH	7.000	7.000	
0600	611.2006	Manholes 6-FT Diameter	EACH	7.000	7.000	
0610	611.2055	Manholes 5x5-FT	EACH	4.000	4.000	
0620	611.3901	Inlets Median 1 Grate	EACH	7.000	7.000	
0630	611.8110	Adjusting Manhole Covers	EACH	4.000		4.000
0640	611.8120.S	Cover Plates Temporary	EACH	56.000	56.000	
0650	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	235.000	235.000	
0660	619.1000	Mobilization	EACH	1.000	1.000	
0670	620.0300	Concrete Median Sloped Nose	SF	503.000	503.000	
0680	621.0100	Landmark Reference Monuments	EACH	8.000	8.000	
0690	621.1100	Landmark Reference Monuments and Cast Iron Covers	EACH	2.000	2.000	
0700	623.0200	Dust Control Surface Treatment	SY	30,095.000	30,095.000	
0710	624.0100	Water	MGAL	690.000	690.000	
0720	625.0500	Salvaged Topsoil	SY	22,310.000	22,310.000	
0730	627.0200	Mulching	SY	3,283.000	3,283.000	
0740	628.1504	Silt Fence	LF	4,750.000	4,750.000	
0750	628.1520	Silt Fence Maintenance	LF	4,750.000	4,750.000	
0760	628.1905	Mobilizations Erosion Control	EACH	7.000	7.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0770	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000	
0780	628.2002	Erosion Mat Class I Type A	SY	6,033.000	6,033.000	
0790	628.2006	Erosion Mat Urban Class I Type A	SY	16,156.000	16,156.000	
0800	628.7005	Inlet Protection Type A	EACH	64.000	64.000	
0810	628.7010	Inlet Protection Type B	EACH	5.000	5.000	
0820	628.7015	Inlet Protection Type C	EACH	51.000	51.000	
0830	628.7020	Inlet Protection Type D	EACH	8.000	8.000	
0840	628.7504	Temporary Ditch Checks	LF	50.000	50.000	
0850	628.7555	Culvert Pipe Checks	EACH	2.000	2.000	
0860	628.7560	Tracking Pads	EACH	2.000	2.000	
0870	629.0210	Fertilizer Type B	CWT	14.000	14.000	
0880	630.0140	Seeding Mixture No. 40	LB	355.000	355.000	
0890	630.0200	Seeding Temporary	LB	303.000	303.000	
0900	632.0101	Trees (species) (size) (root) 01. American Hornbeam, B&B, 2.5" Cal	EACH	6.000	6.000	
0910	632.0101	Trees (species) (size) (root) 02. Maple Celebration, B&B, 2.5" Cal	EACH	10.000	10.000	
0920	632.0101	Trees (species) (size) (root) 03. Common Hackberry, B&B, 2.5" Cal	EACH	5.000	5.000	
0930	632.0101	Trees (species) (size) (root) 04. Callery Pear, B&B, 2.5" Cal	EACH	3.000	3.000	
0940	632.0101	Trees (species) (size) (root) 05. Gingko (Maidenhair Tree) B&B, 2.5" Cal	EACH	3.000	3.000	
0950	632.0101	Trees (species) (size) (root) 06. Elm Hybrid, B&B, 2.5" Cal	EACH	22.000	22.000	
0960	632.0101	Trees (species) (size) (root) 07. Ironwood, B&B, 2.5" Cal	EACH	4.000	4.000	
0970	632.0101	Trees (species) (size) (root) 08. Kentucky Coffeetree, B&B, 2.5" Cal	EACH	14.000	14.000	
0980	632.0101	Trees (species) (size) (root) 09. Littleleaf Linden, B&B, 2.5" Cal	EACH	4.000	4.000	
0990	632.0101	Trees (species) (size) (root) 10. Skyline Honeylocust (Thornless) B&B, 2.5" Cal	EACH	15.000	15.000	
1000	632.0101	Trees (species) (size) (root) 11. Maple, State Street, B&B, 2.5" Cal	EACH	17.000	17.000	
1010	632.0101	Trees (species) (size) (root) 12. Turkish Hazelnut, B&B, 2.5" Cal	EACH	3.000	3.000	
1020	632.0101	Trees (species) (size) (root) 13. Autumn Brilliance Serviceberry, B&B, 2" Cal	EACH	3.000	3.000	
1030	632.0101	Trees (species) (size) (root) 14. Eastern Redbud, B&B, 2.5" Cal	EACH	2.000	2.000	
1040	632.0101	Trees (species) (size) (root) 15. Hawthorn, B&B, 2.5" Cal	EACH	1.000	1.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
1050	632.0101	Trees (species) (size) (root) 16. Japanese Tree Lilac, B&B, 2.5" Cal	EACH	11.000	11.000	
1060	632.0101	Trees (species) (size) (root) 17. Princeton Elm, B&B, 2.5" Cal	EACH	1.000	1.000	
1070	632.0101	Trees (species) (size) (root) 18. Tree American Sentry Linden	EACH	5.000	5.000	
1080	632.0101	Trees (species) (size) (root) 19. Swamp White Oak	EACH	9.000	9.000	
1090	632.0201	Shrubs (species) (size) (root) 01.Gro-Low Sumac #3	EACH	25.000	25.000	
1100	632.0201	Shrubs (species) (size) (root) 02.Spice Island Koreanspice Viburnum #3	EACH	6.000	6.000	
1110	632.0201	Shrubs (species) (size) (root) 03. Emerald Green Wintercreeper #1	EACH	9.000	9.000	
1120	632.0201	Shrubs (species) (size) (root) 04. Buffalo Juniper #3	EACH	34.000	34.000	
1130	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	13.000	13.000	
1140	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	36.000	36.000	
1150	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	18.000	18.000	
1160	637.2210	Signs Type II Reflective H	SF	276.860	276.860	
1170	637.2230	Signs Type II Reflective F	SF	141.070	141.070	
1180	638.2102	Moving Signs Type II	EACH	4.000	4.000	
1190	638.2602	Removing Signs Type II	EACH	18.000	18.000	
1200	638.3000	Removing Small Sign Supports	EACH	19.000	19.000	
1210	638.4000	Moving Small Sign Supports	EACH	2.000	2.000	
1220	642.5201	Field Office Type C	EACH	1.000	1.000	
1230	643.0100	Traffic Control (project) 01. 5849-00-11	EACH	1.000	1.000	
1240	643.0100	Traffic Control (project) 02. 5849-00-12	EACH	1.000		1.000
1250	643.0300	Traffic Control Drums	DAY	15,600.000	15,600.000	
1260	643.0420	Traffic Control Barricades Type III	DAY	2,184.000	2,184.000	
1270	643.0705	Traffic Control Warning Lights Type A	DAY	4,368.000	4,368.000	
1280	643.0715	Traffic Control Warning Lights Type C	DAY	2,340.000	2,340.000	
1290	643.0900	Traffic Control Signs	DAY	2,184.000	2,184.000	
1300	643.1000	Traffic Control Signs Fixed Message	SF	135.000	135.000	
1310	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000	
1320	643.2000	Traffic Control Detour (project) 01. 5849-00-11	EACH	1.000	1.000	
1330	643.3000	Traffic Control Detour Signs	DAY	5,460.000	5,460.000	
1340	644.1420.S	Temporary Pedestrian Surface Plywood	SF	920.000	920.000	
1350	644.1601.S	Temporary Curb Ramp	EACH	2.000	2.000	
1360	644.1616.S	Temporary Pedestrian Safety Fence	LF	230.000	230.000	
1370	645.0112	Geotextile Type DF Schedule B	SY	14,175.000	14,175.000	
1380	645.0120	Geotextile Type HR	SY	75.000	75.000	
1390	646.0106	Pavement Marking Epoxy 4-Inch	LF	41,913.000	41,913.000	
1400	646.0126	Pavement Marking Epoxy 8-Inch	LF	751.000	751.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
1410	646.0156	Pavement Marking Epoxy 18-Inch	LF	58.000	58.000	
1420	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	1.000	1.000	
1430	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	6.000	6.000	
1440	647.0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	23.000	23.000	
1450	647.0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	23.000	23.000	
1460	647.0356	Pavement Marking Words Epoxy	EACH	3.000	3.000	
1470	647.0456	Pavement Marking Curb Epoxy	LF	50.000	50.000	
1480	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	108.000	108.000	
1490	647.0606	Pavement Marking Island Nose Epoxy	EACH	9.000	9.000	
1500	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	577.000	577.000	
1510	647.0776	Pavement Marking Crosswalk Epoxy 12-Inch	LF	1,810.000	1,810.000	
1520	647.0796	Pavement Marking Crosswalk Epoxy 24-Inch	LF	478.000	478.000	
1530	650.4000	Construction Staking Storm Sewer	EACH	96.000	96.000	
1540	650.4500	Construction Staking Subgrade	LF	7,683.000	7,683.000	
1550	650.5000	Construction Staking Base	LF	7,683.000	7,683.000	
1560	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	17,506.000	17,506.000	
1570	650.8500	Construction Staking Electrical Installations (project) 01.5849-00-11	LS	1.000	1.000	
1580	650.9910	Construction Staking Supplemental Control (project) 01.5849-00-11	LS	1.000	1.000	
1590	650.9920	Construction Staking Slope Stakes	LF	7,683.000	7,683.000	
1600	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,796.000	5,796.000	
1610	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,120.000	1,120.000	
1620	653.0135	Pull Boxes Steel 24x36-Inch	EACH	16.000	16.000	
1630	654.0105	Concrete Bases Type 5	EACH	30.000	30.000	
1640	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000	
1650	655.0625	Electrical Wire Lighting 6 AWG	LF	12,856.000	12,856.000	
1660	655.0630	Electrical Wire Lighting 4 AWG	LF	14,754.000	14,754.000	
1670	655.0635	Electrical Wire Lighting 2 AWG	LF	9,976.000	9,976.000	
1680	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Lacy Road and Fahey Glen	LS	1.000	1.000	
1690	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000	
1700	690.0150	Sawing Asphalt	LF	866.000	866.000	
1710	690.0250	Sawing Concrete	LF	219.000	219.000	
1720	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000	
1730	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000	
1740	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,160.000	2,160.000	
1750	SPV.0060	Special 01. Luminaires Area LED	EACH	29.000	29.000	
1760	SPV.0060	Special 02. Aluminum Light Pole	EACH	29.000	29.000	
1770	SPV.0060	Special 03. Backlight Control Shield	EACH	7.000	7.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
1780	SPV.0060	Special 04. Construction Staking Curb Ramp	EACH	39.000	39.000	
1790	SPV.0060	Special 05. Perennials Woods Blue Aster CG 1 Gal	EACH	111.000	111.000	
1800	SPV.0060	Special 06. Perennials Moonbeam Coreopsis CG 1 Gal	EACH	37.000	37.000	
1810	SPV.0060	Special 07. Perennials Happy Returns Daylily CG 1 Gal	EACH	64.000	64.000	
1820	SPV.0060	Special 08. Perennials Kobold Gayfeather CG 1 Ga	EACH	53.000	53.000	
1830	SPV.0060	Special 09. Perennials Russian Sage CG 1 Gal	EACH	48.000	48.000	
1840	SPV.0060	Special 10. Perennials Autumn Joy Stonecrop CG 1 Gal	EACH	32.000	32.000	
1850	SPV.0060	Special 11. Perennials Tara Prairie Dropseed CG 1 Gal	EACH	79.000	79.000	
1860	SPV.0060	Special 12. Fire Hydrant	EACH	6.000		6.000
1870	SPV.0060	Special 13. Relocate Valve	EACH	2.000		2.000
1880	SPV.0060	Special 14. Relocate Existing Fire Hydrant	EACH	6.000		6.000
1890	SPV.0060	Special 15. Water Valve 6-Inch	EACH	9.000		9.000
1900	SPV.0060	Special 16. Water Valve 8-Inch	EACH	3.000		3.000
1910	SPV.0060	Special 17. Water Valve 10-Inch	EACH	1.000		1.000
1920	SPV.0060	Special 18. Water Valve 12-Inch	EACH	5.000		5.000
1930	SPV.0060	Special 19. Adjust Existing Valve Box	EACH	11.000		11.000
1940	SPV.0060	Special 20. Remove Existing Valve	EACH	3.000		3.000
1950	SPV.0060	Special 21. Connect to Existing Watermain	EACH	5.000		5.000
1960	SPV.0060	Special 22. Locate and Reestablish Section Corner Monuments	EACH	2.000	2.000	
1970	SPV.0060	Special 23. Adjust Water Curb Box	EACH	8.000		8.000
1980	SPV.0060	Special 24. Adjust Watermain at Utility Crossing	EACH	2.000		2.000
1990	SPV.0060	Special 25. Temporary Watermain Connection	EACH	1.000		1.000
2000	SPV.0060	Special 26. Sanitary Lateral Cleanout	EACH	1.000		1.000
2010	SPV.0060	Special 27. Sanitary Sewer Structure 4-Foot Diameter	EACH	4.000		4.000
2020	SPV.0060	Special 28. Remove Existing Sanitary Sewer Structure	EACH	1.000		1.000
2030	SPV.0060	Special 29. Connect to Existing Sanitary Sewer Structure	EACH	4.000		4.000
2040	SPV.0060	Special 30. Reconstruct Bench and Flowlines	EACH	4.000		4.000
2050	SPV.0060	Special 31. Sanitary Sewer Lateral Electronic Marker	EACH	9.000		9.000
2060	SPV.0060	Special 32. Adjust Sanitary Sewer Structure with Risers	EACH	9.000		9.000
2070	SPV.0060	Special 33. Tree Protection	EACH	22.000	22.000	
2080	SPV.0060	Special 34. Moving Light Pole	EACH	2.000	2.000	
2090	SPV.0060	Special 35. Install Valve Box on Existing Curb Box	EACH	1.000		1.000
2100	SPV.0060	Special 36. Utility Line Opening (ULO)	EACH	2.000		2.000
2110	SPV.0060	Special 40. Round Steel Sign Post System	EACH	21.000	21.000	
2120	SPV.0060	Special 41. Manhole 4-Foot Diameter Special	EACH	2.000	2.000	
2130	SPV.0060	Special 42. Manhole 5-Foot Diameter Special	EACH	1.000	1.000	
2140	SPV.0060	Special 43. Catch Basin Filter Bags	EACH	55.000	55.000	
2150	SPV.0060	Special 44. Connect to Existing Sanitary Sewer Main	EACH	2.000		2.000

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
2160	SPV.0060	Special 45. Construction Staking Trees	EACH	138.000	138.000	
2170	SPV.0085	Special 01. Low-Grow/No-Mow Seed Mix	LB	150.000	150.000	
2180	SPV.0090	Special 01. Construction Staking Wall Modular Block Gravity	LF	200.000	200.000	
2190	SPV.0090	Special 02. Abandon Existing Watermain	LF	146.000		146.000
2200	SPV.0090	Special 03. Watermain 6-Inch	LF	170.000		170.000
2210	SPV.0090	Special 04. Watermain 8-Inch	LF	115.000		115.000
2220	SPV.0090	Special 05. Watermain 10-Inch	LF	422.000		422.000
2230	SPV.0090	Special 06. Watermain 12-Inch	LF	2,690.000		2,690.000
2240	SPV.0090	Special 07. Copper Water Service 1-Inch	LF	1,007.000		1,007.000
2250	SPV.0090	Special 08. Copper Water Service 1.5-Inch	LF	85.000		85.000
2260	SPV.0090	Special 09. Watermain Insulation	LF	144.000		144.000
2270	SPV.0090	Special 10. Rock Excavation Watermain	LF	325.000		325.000
2280	SPV.0090	Special 12. Sanitary Sewer Pipe 8-Inch	LF	1,449.000		1,449.000
2290	SPV.0090	Special 13. Sanitary Sewer Lateral 4-Inch	LF	433.000		433.000
2300	SPV.0090	Special 14. Sanitary Sewer Lateral 8-Inch	LF	95.000		95.000
2310	SPV.0090	Special 15. Concrete Curb and Gutter 24-Inch	LF	16,193.000	16,193.000	
2320	SPV.0090	Special 16. Remove Watermain	LF	353.000		353.000
2330	SPV.0090	Special 19. Remove Abandoned Sanitary Sewer	LF	718.000		718.000
2340	SPV.0090	Special 21. Storm Sewer Pipe Class III-B Perfora ted 18-Inch with 10-Foot Trench Width	LF	572.000	572.000	
2350	SPV.0090	Special 22. Storm Sewer Pipe Class III-B Perfora ted 18-Inch with 14-Foot Trench Width	LF	835.000	835.000	
2360	SPV.0090	Special 23. Storm Sewer Pipe Class III-B Perfora ted 24-Inch with 14-Foot Trench Width	LF	889.000	889.000	
2370	SPV.0090	Special 24. Storm Sewer Pipe Class III-B Perfora ted 30-Inch with 10-Foot Trench Width	LF	370.000	370.000	
2380	SPV.0090	Special 25. Storm Sewer Pipe Class III-B Perfora ted 42-Inch with 10-Foot Trench Width	LF	1,049.000	1,049.000	
2390	SPV.0090	Special 28. Construction Staking Shared Use Path	LF	5,769.000	5,769.000	
2400	SPV.0090	Special 29. Landscape Protection	LF	98.000	98.000	
2410	SPV.0090	Special 30. Insulate Existing Watermain	LF	264.000		264.000
2420	SPV.0105	Special 01. Research and Locate Existing Property Monuments	LS	1.000	1.000	
2430	SPV.0105	Special 02. Verify and Replace Existing Property Monuments	LS	1.000	1.000	
2440	SPV.0105	Special 03. Pedestrian Railing Steel	LS	1.000	1.000	
2450	SPV.0105	Special 04. Construction Staking Watermain	LS	1.000		1.000
2460	SPV.0105	Special 05. Construction Staking Sanitary Sewer	LS	1.000		1.000
2470	SPV.0105	Special 06. Constuction Staking Roundabout	LS	1.000	1.000	
2480	SPV.0165	Special 01. Wall Modular Block Gravity LRFD R-13-315	SF	1,008.000	1,008.000	

					5849-00-11	5849-00-12
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
2490	SPV.0180	Special 01. Shredded Hardwood Bark Mulch	SY	455.000	455.000	
2500	SPV.0180	Special 02. Porous Asphalt Pavement	SY	613.000	613.000	
2510	SPV.0180	Special 03. Preparing Topsoil For Lawn Type Turf	SY	16,109.000	16,109.000	

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CLEARING AND GRUBBING

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
5849-00-11	0010	11+50	-	34+00	RT/LT	13	13
		35+00	-	36+00	RT	1	1
		40+00	-	50+00	RT/LT	10	10
		51+00	-	53+00	LT	2	2
		55+00	-	59+00	RT/LT	4	4
		62+00	-	67+00	RT	5	5
		68+00	-	69+00	RT	1	1
		73+00	-	75+00	RT	2	2
					TOTAL	38	38

REMOVING ASPHALTIC SURFACE MILLING

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)
5849-00-11	0010	78+75	-	80+25	LT/RT	496
					TOTAL	496

REMOVING CURB & GUTTER

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	204.0150 REMOVING CURB & GUTTER (LF)
5849-00-11	0010	11+00	-	13+65	LT	266
		11+00	-	12+15	RT	97
		25+36	-	9+25'MC'	RT/LT	175
		9+35'MC'	-	27+39	RT	72
		41+10	-	8+47'FG'	RT/LT	193
		8+47'FG'	-	42+32	RT	211
		48+25	-	9+35'ND'	RT/LT	115
		9+35'ND'	-	49+81	RT	91
		58+90	-	10+77'SF'	LT	82
		59+10	-	9+28'SF'	RT/LT	44
		9+29'SF'	-	9+65'SF'	SOUTH MEDIAN	72
		10+23'SF'	-	10+61'SF'	NORTH MEDIAN	71
		9+28'SF'	-	60+09	RT	54
		10+80'SF'	-	61+63	RT/LT	209
		66+17	-	9+54'MG'	RT/LT	38
		9+55'MG'	-	67+02	RT	34
		71+29	-	10+89'JF'	LT	79
		10+89'JF'	-	72+42	LT/RT	79
		76+14	-	9+38'NP'	RT/LT	76
		9+38'NP'	-	76+96	RT	74
					TOTAL	2,132

REMOVING SMALL PIPE CULVERTS

PROJECT NUMBER	CATEGORY	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS (EACH)
5849-00-11	0010	12+29	RT	1
		13+57	RT	1
		13+86	LT	1
		14+47	LT	1
		14+50	RT	1
		15+88	RT	1
		16+18	LT	1
		34+00	RT	1
		34+25	LT	1
		35+36	RT	1
		39+38	LT	1
		40+05	LT	1
		41+00	LT	1
		41+75	RT	1
		43+91	RT	1
		49+00	LT	1
		50+42	LT	1
		53+16	LT	1
		54+37	LT	1
		55+71	LT	1
		56+05	RT	1
		59+35	RT	1
		60+63	RT	1
		61+72	RT	1
		68+22	RT	1
		68+70	RT	1
		69+30	LT	1
		74+18	RT	1
			TOTAL	28

REMOVING PAVEMENT

PROJECT NUMBER	CATEGORY	STATION	LOCATION	204.0100 REMOVING PAVEMENT (SY)
5849-00-11	0010	11+50	MEDIAN	139
		14+48	RT	28
		15+88	RT	30
		27+85	LT	16
		31+17	RT	33
		34+23	LT	46
		50+42	LT	19
		UNDISTRIBUTED		20
			TOTAL	331

REMOVING GUARDRAIL

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	204.0165 REMOVING GUARDRAIL (LF)
5849-00-11	0010	56+55	-	9+38 'SF'	RT	290
					TOTAL	290

REMOVING CONCRETE SIDEWALK

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK (SY)
5849-00-11	0010	11+08	-	11+57	RT	27
		9+34'MC'	-	9+42'MC'	LT	12
		9+42'MC'	-	9+68'MC'	RT	25
		9+16'FG'	-	10+00'FG'	LT	79
		9+56'ND'	-	9+76'ND'	RT	16
		10+30'SF'	-	10+67'SF'	LT	19
		9+52'SF'	-	9+63'SF'	RT	13
		10+43'JF'	-	10+64'JF'	LT	11
		10+44'JF'	-	10+62'JF'	RT	10
		9+61'NP'	-	9+72'NP'	LT	14
		9+60'NP'	-	9+70'NP'	RT	14
					TOTAL	240

REMOVING STORM SEWER

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	204.0210 REMOVING MANHOLES (EACH)	204.0220 REMOVING INLETS (EACH)	204.0245.01 REMOVING STORM SEWER 12-INCH (LF)	204.0245.02 REMOVING STORM SEWER 15-INCH (LF)	204.0245.03 REMOVING STORM SEWER 24-INCH (LF)
5849-00-11	0010	11+77			16' LT	1				
		11+80			20' RT		1			
		11+77	-	13+61	LT			184		
		11+77	-	11+80	LT/RT				36	
		48+27	-	48+87	RT			59		
		48+87			20' RT		1			
		48+87	-	48+90	RT			24		
		58+74	-	58+83	LT					11
		58+74			32' LT		1			
					TOTAL	1	3	267	36	11

REMOVING BOULDER RETAINING WALL

PROJECT NUMBER	CATEGORY	STATION		STATION	204.9105.S REMOVING BOULDER RETAINING WALL (LS)
5849-00-11	0010	57+75	-	58+25	1
				TOTAL	1

BASE AGGREGATE

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)*	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*
5849-00-11	0010	11+00	-	27+00	LACY ROAD	4	5,178
		27+00	-	40+00	LACY ROAD		4,102
		40+00	-	43+00	LACY ROUNDABOUT		1,729
		43+00	-	49+00	LACY ROAD		1,939
		49+00	-	60+00	LACY ROAD		3,907
		60+00	-	67+00	LACY ROAD		2,485
		67+00	-	72+00	LACY ROAD		1,749
		72+00	-	76+50	LACY ROAD		1,471
		76+50	-	80+25	LACY ROAD	25	1,243
		9+25'MC'	-	9+84'MC'	MICA ROAD		202
		8+48'FG'	-	9+00'FG'	FAHEY GLEN		169
		9+35'ND'	-	9+84'ND'	NOTRE DAME DRIVE		177
		9+29'SF'	-	9+84'SF'	SUNFLOWER DRIVE (SOUTH)		243
		10+35'SF'	-	10+80'SF'	SUNFLOWER DRIVE (NORTH)		199
		9+15'MG'	-	9+84'MG'	McGAW ROAD	7	191
		10+27'JF'	-	10+89'JF'	JONES FARM DRIVE		202
		9+38'NP'	-	9+84'NP'	NORTH PARK LANE		164
					TOTAL	36	25,350

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EARTHWORK SUMMARY

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	205.0100 EXCAVATION COMMON (1) (2) CUT FROM EW DATA CY	(3) EBS CY	(4) SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(5) AVAILABLE MATERIAL CY	(6) REDUCED EBS IN FILL FACTOR = 0.8 CY	(7) EXPANDED FILL FROM EW DATA CY	(8) MASS ORDINATE (+/-) CY	WASTE CY	312.0110 (9) SELECT CRUSHED MATERIAL TON	REMARKS
5489-00-11	0010	11+00	-	27+00	LACY ROAD	5,404		1,071	4,333		1,719	2,614	2,614		
		27+00	-	40+00	LACY ROAD	4,231		1,150	3,081		875	2,206	2,206		
		40+00	-	43+00	LACY ROUNDABOUT	863		259	604		1,449	-845	-845		BORROW FROM ONSITE
		43+00	-	60+00	LACY ROAD	5,497		1,773	3,724		1,113	2,611	2,611		
		60+00	-	67+00	LACY ROAD	3,521		873	2,648		351	2,297	2,297		
		67+00	-	80+25	LACY ROAD	3,743		1,134	2,609		770	1,839	1,839		
		38+00	-	40+00	EBS		428			342			342	770	
		65+00	-	71+00	EBS		1,466			1,173			1,173	2,639	
		21+75	-	25+00	ROCK								225		
		9+25'MC'	-	9+84'MC'	MICA ROAD	229		41	188		2	186	186		
		8+48'FG'	-	9+00'FG'	FAHEY GLEN	91		217	-126		6	-132	-132		BORROW FROM ONSITE
		9+35'ND'	-	9+84'ND'	NOTRE DAME DRIVE	141		58	83		16	67	67		
		9+29'SF'	-	9+84'SF'	SUNFLOWER DRIVE (SOUTH)	212		62	150			150	150		
		10+35'SF'	-	10+80'SF'	SUNFLOWER DRIVE (NORTH)	137		78	59		4	55	55		
		9+15'MG'	-	9+84'MG'	McGAW ROAD	194		66	128		1	127	127		
		10+27'JF'	-	10+89'JF'	JONES FARM DRIVE	189		77	112			112	112		
		9+38'NP'	-	9+84'NP'	NORTH PARK LANE	177		75	102			102	102		
		TOTAL				24,629	1,894	6,934	17,695	1,515	6,306	11,389	13,129	3,409	
						26,523									

(1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
(2) COMMON FROM COMPUTER EARTHWORK DATA, INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
(3) EBS IS TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL.
(5) AVAILABLE MATERIAL = CUT - UNUSABLE PAVEMENT MATERIAL.
(6) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
(7) EXPANDED FILL FROM COMPUTER EARTHWORK DATA. EXPANDED FILL FACTOR = 1.3
(8) MASS ORDINATE = (CUT - UNUSABLE PAVEMENT MATERIAL) - EXPANDED FILL
MASS ORDINATE IS + OR - QUANTITY FOR THE DIVISION. PLUS IS EXCESS, MINUS IS SHORTAGE
(9) USED FOR BACKFILL OF EBS

CONCRETE MEDIAN

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED (CY)	405.1000 STAMPING COLORED CONCRETE (CY)	415.0080 CONCRETE PAVEMENT 8-INCH (CY)	416.0512 CONCRETE TRUCK APRON 12-INCH (SY)	602.0410 CONCRETE SIDEWALK 5-INCH* (SF)
5849-00-11	0010	11+75	-	12+88	MEDIAN	10	10	10		
		40+54	-	40+79	RAB WEST ISLAND	2	2			163
		42+34	-	42+76	RAB EAST ISLAND	3	3			272
		41+59		41+69	RAB SOUTH ISLAND	3	3			203
		40+34	-	42+35	RAB	237			237	
		47+28	-	48+68	MEDIAN	19	19	19		
		50+26	-	50+59	MEDIAN OPENING			6		
		59+14	-	59+23	TERRACE	1	1			34
		59+90	-	59+98	TERRACE	1	1			23
		60+10	-	60+41	MEDIAN	2	2			124
		60+47	-	60+78	MEDIAN OPENING			3		
		60+83	-	61+51	MEDIAN	4	4			295
		61+56	-	61+88	MEDIAN OPENING			7		
		61+88	-	64+12	MEDIAN (18" BORDER)					672
		70+09	-	71+35	MEDIAN (18" BORDER)					392
		9+28'SF'	-	9+36'SF'	MEDIAN	3	3			203
					TOTAL	286	48	45	237	2,381

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SHARED USE PATH

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	310.0110 BASE AGGREGATE OPEN GRADED (TON)*	465.0105 ASPHALTIC SURFACE (TON)	SPV.0180.02 POROUS ASPHALT PAVEMENT (SY)
5849-00-11	0010	11+35	-	12+22	RT	43		13	
		12+36	-	13+49	RT	56		17	
		13+65	-	14+42	RT	38		11	
		14+61	-	15+78	RT	58		18	
		15+96	-	23+97	RT	395		119	
		24+21	-	25+10	RT	44		13	
		25+27	-	26+55	RT	65		20	
		27+16	-	27+53	RT	18		6	
		28+29	-	31+06	RT	150		46	
		28+50	-	28+50	LT	11		3	
		31+24	-	33+93	RT	154		48	
		34+13	-	36+00	RT	111		35	
		39+50	-	39+97	RT	13		3	
		40+33	-	41+51	RT	69		22	
		41+79	-	43+83	RT	124		39	
		43+44	-	43+61	RT	4		1	
		43+98	-	45+19	RT	69		22	
		45+33	-	45+54	RT	12		4	
		45+68	-	48+85	RT	188		59	
		49+46	-	55+97	RT	386		122	
		56+11	-	59+21	RT	168		52	
		59+93	-	60+54	RT	36		11	
		60+70	-	66+36	RT	0	932		613
		66+90	-	68+61	RT	101		32	
		68+79	-	74+11	RT	316		100	
		74+25	-	74+84	RT	34		11	
		74+84	-	76+29	RT	18		28	
		76+80	-	76+97	RT	10		3	
		9+43'SF'	-	9+65'SF'	RT	13		4	
		10+47'SF'	-	10+59'SF'	RT	7		2	
					TOTAL	2,711	932	864	613

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

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ASPHALTIC FLUMES

PROJECT NUMBER	CATEGORY	STATION	LOCATION	465.0315 ASPHALTIC FLUMES (SY)
5849-00-11	0010	78+75	RT	4
		78+75	LT	7
			TOTAL	11

PIPE COLLARS

PROJECT NUMBER	CATEGORY	STATION	OFFSET	520.8000 CONCRETE COLLARS FOR PIPE (EACH)
5849-00-11	0010	58+38	32.00	1
		58+51	32.00	1
		80+08	-36.50	1
				3

APRON ENDWALLS

PROJECT NUMBER	CATEGORY	STRUCT. NO.	STATION	OFFSET	RIM ELEVATION (FT)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH (EACH)
5849-00-11	0010	49.0	80+91.15	-476.50	896.82		1
		33.0	57+68.58	38.30	923.00	1	
					TOTAL	1	1

CONCRETE CURB & GUTTER

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	601.0105 CONCRETE CURB TYPE A (LF)	601.0205 CONCRETE GUTTER 24-INCH (LF)	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A (LF)	SPV.0090.15 CONCRETE CURB & GUTTER 24-INCH (LF)	601.0582 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T (LF)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER (LF)
5849-00-11	0010	11+35.65	-	13+82.70	MEDIAN ISLAND		491				491
		11+00	-	26+41	RT				1,543		1,543
		11+00	-	17+05	LT				605		605
		17+05	-	10+40 'GA'	LT				36		36
		10+43 'GA'	-	17+78	LT				35		35
		17+78	-	58+98	LT				4,123		4,123
		27+34	-	41+19	RT				1,371		1,371
		42+08	-	48+70	RT				656		656
		47+16	-	48+65	MEDIAN ISLAND		298				298
		49+67	-	52+62	MEDIAN ISLAND				606		606
		59+94	-	64+12	MEDIAN ISLAND				859		859
		59+98	-	60+08	MEDIAN ISLAND	8					8
		70+09	-	71+49	MEDIAN ISLAND				297		297
		71+37	-	71+42	MEDIAN ISLAND	14					14
		49+61	-	59+08	RT				950		950
		60+06	-	66+23	RT				617		617
		67+03	-	76+14	RT				911		911
		76+97	-	78+75	RT				178		178
		60+17	-	71+44	LT				1,128		1,128
		72+28	-	78+75	LT				648		648
		26+41	-	9+25 'MC'	RT				74		74
		9+35 'MC'	-	27+50	RT				66		66
		41+19	-	8+48 'FG'	RT				154		154
		8+48 'FG'	-	42+08	RT				153		153
		48+70	-	9+37 'ND'	RT				65		65
		9+37 'ND'	-	49+61	RT				66		66
		59+08	-	9+38 'SF'	RT				69		69
		9+38 'SF'	-	60+06	RT				69		69
		66+23	-	9+40 'MG'	RT				39		39
		9+40 'MG'	-	67+03	RT				40		40
		76+14	-	9+38 'NP'	RT				59		59
		9+38 'NP'	-	76+97	RT				59		59
		58+98	-	10+77 'SF'	LT				62		62
		10+80 'SF'	-	60+17	LT				64		64
		10+61 'SF'	-	10+55 'SF'	NORTH MEDIAN				45		45
		9+29 'SF'		9+29 'SF'	SOUTH MEDIAN	12			109		121
		9+32 'FG'	-	9+70 'FG'	SPLITTER ISLAND	12			95		107
		40+53	-	40+85	SPLITTER ISLAND	14			83		97
		42+32	-	42+78	SPLITTER ISLAND	18			109		127
		71+44	-	10+94 'JF'	LT				75		75
		10+94 'JF'	-	72+28	LT				75		75
		10+00 'RAB'	-	14+02 'RAB'	RAB ISLAND			182			182
		10+00 'RAB'	-	14+02 'RAB'	TRUCK APRON					264	264
					TOTAL	78	789	182	16,193	264	17,506

SIDEWALK

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	602.0410 CONCRETE SIDEWALK 5-INCH (SF)*	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (SF)	SPV.0060.04 CONSTRUCTION STAKING CURB RAMP (EA)
5849-00-11	0010	11+08	-	11+34	RT	7	277	20	1
		26+55	-	26+70	RT	4	131	18	1
		27+05	-	27+21	RT	4	136	18	1
		28+43	-	28+57	RT	2	84	20	1
		28+43	-	28+57	LT	2	76	18	1
		40+18	-	42+28	LT	34	872	20	1
		40+58	-	40+76	RT	2	84	20	1
		40+62	-	40+72	LT	2	75	39	2
		42+30	-	43+67	LT	33	1,027	20	1
		42+50	-	42+60	LT	2	87	39	2
		42+51	-	42+65	RT	2	84	20	1
		48+85	-	48+97	RT	3	97	27	1
		49+34	-	49+46	RT	4	154	27	1
		49+63	-	49+66	LT	1	24		
		52+63	-	52+66	LT	0.5	15		
		56+25	-	58+25	LT	30	1,200		
		59+07	-	59+15	RT	1	40	10	1
		59+07	-	59+23	LT	1	37	10	1
		59+21	-	59+32	RT	3	89	23	1
		59+82	-	59+93	RT	2	88	23	1
		59+96	-	60+10	RT	2	79	20	1
		59+96	-	60+10	LT	2	56		
		59+96	-	60+10	LT	2	77	20	1
		64+09	-	64+12	LT	0.5	13		
		66+36	-	66+46	RT	3	88	23	1
		66+80	-	66+90	RT	3	88	23	1
		70+09	-	70+12	LT	1	21		
		71+35	-	71+44	RT	2	49	10	1
		71+35	-	71+44	LT	2	63	20	2
		71+35	-	71+66	LT	6	189	20	2
		72+05	-	72+20	LT	2	62	10	1
		76+29	-	76+37	RT	2	74	20	1
		76+73	-	76+80	RT	2	68	20	1
		9+35'MC'	-	9+54'MC'	LT	3	94		
		9+42'MC'	-	9+58'MC'	RT	3	80		
		9+17'FG'	-	9+46'FG'	LT	7	211	20	1
		9+44'FG'	-	9+54'FG'	LT	2	64	40	2
		9+40'FG'	-	9+58'FG'	RT	2	64	20	1
		9+57'ND'	-	9+66'ND'	RT	2	49		
		9+63'SF'	-	9+77'SF'	LT	2	89	23	1
		9+63'SF'	-	9+77'SF'	LT	2	84	40	2
		9+63'SF'	-	9+77'SF'	RT	2	88	23	1
		10+41'SF'	-	10+67'SF'	LT	5	134		
		10+42'JF'	-	10+64'JF'	LT	4	104		
		10+41'JF'	-	10+62'JF'	RT	4	106		
					TOTAL	207	6,771	724	39

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

HMA PAVEMENT

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	460.5223 HMA PAVEMENT 3 LT 58-28 S (TON)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	455.0605 TACK COAT (GAL)
5849-00-11	0010	11+00	-	27+00	LACY ROAD	1,044	696	435
		27+00	-	40+00	LACY ROAD	842	561	351
		40+00	-	43+00	LACY ROUNDABOUT	313	208	130
		43+00	-	49+00	LACY ROAD	397	264	165
		49+00	-	60+00	LACY ROAD	802	534	334
		60+00	-	67+00	LACY ROAD	463	308	193
		67+00	-	72+00	LACY ROAD	341	227	142
		72+00	-	76+50	LACY ROAD	308	205	128
		76+50	-	80+25	LACY ROAD	285	190	119
		9+25'MC'	-	9+84'MC'	MICA ROAD	41	27	17
		8+48'FG'	-	9+00'FG'	FAHEY GLEN	35	23	14
		9+35'ND'	-	9+84'ND'	NOTRE DAME DRIVE	35	23	15
		9+29'SF'	-	9+84'SF'	SUNFLOWER DRIVE (SOUTH)	41	28	17
		10+35'SF'	-	10+80'SF'	SUNFLOWER DRIVE (NORTH)	36	24	15
		9+15'MG'	-	9+84'MG'	McGAW ROAD	42	28	18
		10+27'JF'	-	10+89'JF'	JONES FARM DRIVE	40	27	17
		9+38'NP'	-	9+84'NP'	NORTH PARK LANE	33	22	14
					TOTAL	5,098	3,395	2,124

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CONCRETE MEDIAN SLOPED NOSE

PROJECT NUMBER	CATEGORY	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE (SF)	COMMENTS
5849-00-11	0010	40+55	SPLITTER ISLAND	63	TYPE 2
		41+64	SPLITTER ISLAND	82	TYPE 2
		42+60	SPLITTER ISLAND	132	TYPE 2
		49+61	MEDIAN	53	TYPE 1
		52+62	MEDIAN	41	TYPE 1
		59+92	MEDIAN	16	TYPE 2
		64+12	MEDIAN	41	TYPE 1
		70+03	MEDIAN	53	TYPE 1
		71+50	MEDIAN	22	TYPE 1
			TOTAL	503	

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

PROJECT NUMBER	CATEGORY	LOCATION	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES (EA)
5849-00-11	0010	PROJECT LIMITS	13
		TOTAL	13

COVER PLATES TEMPORARY

PROJECT NUMBER	CATEGORY	LOCATION	611.8120.S COVER PLATES TEMPORARY (EACH)
5849-00-11	0010	UNDISTRIBUTED	56
		TOTAL	56

LANDMARK REFERENCE MONUMENTS

PROJECT NUMBER	CATEGORY	STATION	621.0100 LANDMARK REFERENCE MONUMENTS (EACH)	621.1100 LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS (EACH)	SPV.0060.22 LOCATE AND REESTABLISH SECTION CORNER MONUMENTS (EACH)
5849-00-11	0010	28+60	4	1	1
		55+49	4	1	1
		TOTAL	8	2	2

WATER

PROJECT NUMBER	CATEGORY	STATION		STATION	624.0100 WATER (MGAL)
5849-00-11	0010	11+00	-	27+00	160
		27+00	-	40+00	130
		40+00	-	43+00	30
		43+00	-	60+00	170
		60+00	-	67+00	70
		67+00	-	80+25	130
		TOTAL			690

SHRUBS

PROJECT NUMBER	CATEGORY	BID ITEM NO.	NAME	SPECIES CODE	PLANTING SIZE	(EACH)
5849-00-11	0010	632.0201.01	GRO-LOW SUMAC	RA	#3	25
		632.0201.02	SPICE ISLAND KOREANSPICE VIBURNUM	VC	#3	6
		632.0201.03	EMERALD GREEN WINTERCREEPER	EF	#1	9
		632.0201.04	BUFFALO JUNIPER	JS	#3	34

DUST CONTROL

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	623.0200 DUST CONTROL SURFACE TREATMENT (SY)
5849-00-11	0010	11+00	-	80+25	LT/RT	30,095
					TOTAL	30,095

MOBILIZATIONS EROSION CONTROL

PROJECT NUMBER	CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
5849-00-11	0010	PROJECT LIMITS	7	7
		TOTAL	7	7

RIPRAP

PROJECT NUMBER		STATION		STATION	OFFSET	606.0300 RIPRAP HEAVY (CY)	645.0120 GEOTEXTILE TYPE HR (SY)
5849-00-11	0010	57+97	-	58+27	38.8	35	50
		80+91	-	80+91	-481.62	18	25
					TOTAL	53	75

EROSION CONTROL

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2002 EROSION MAT CLASS I TYPE A (SY)	628.2006 EROSION MAT URBAN CLASS I TYPE A (SY)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7015 INLET PROTECTION TYPE C (EACH)	628.7020 INLET PROTECTION TYPE D (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7560 TRACKING PADS (EACH)	629.0210 FERTILIZER TYPE B (CWT)	630.0140 SEEDING MIXTURE No. 40 (LB)	630.0200 SEEDING TEMPORARY (LB)	SPV.0085.01 LOW-GROW/NO-MOW SEED MIX (LB)
5489-00-11	0010	11+00	-	27+00	LT	2,646	395	1,267	1,267		2636	8		7	1				1.66	47	24	0
		11+00	-	27+00	RT	2,881	432	105	105	1379	1499	4		3	1				1.81	27	26	25
		27+00	-	40+00	LT	1,074	161	127	127		1074	3		3		10			0.68	19	10	0
		27+00	-	40+00	RT	2,362	354	484	484	330	2030	3		3					1.49	37	22	6
		40+00	-	43+00	LT	707	106	288	288	537	170	4		2	2				0.45	3	7	10
		40+00	-	43+00	RT	783	117	79	79	433	349	3		3					0.49	6	7	8
		ROUNDABOUT			RAB	264														0	5	10
		43+00	-	49+00	LT	678	102	342	342	637	40	3		3					0.43	1	6	11
		43+00	-	49+00	RT	1,029	154	277	277	493	536	3		3					0.65	10	10	9
		49+00	-	60+00	LT	1,380	207	206	206	65	1313	4	2	2					0.87	24	13	1
		49+62	-	52+72	MEDIAN	175	26				175									3	2	0
		49+00	-	60+00	RT	1,059	159	290	290	31	1027	4		4					0.67	18	10	1
		58+50			RT												2			0	0	0
		60+00	-	67+00	LT	1,128	169			936	191	2			2				0.71	3	10	17
		61+87	-	64+12	MEDIAN	281														0	0	0
		60+00	-	67+00	RT	1,198	180				1,202	6	1	3	2				0.76	22	11	0
		67+00	-	72+00	LT	823	124	261	261	370	456	5		5		20			0.52	8	8	7
		67+00	-	72+00	RT	611	92	117	117		611	6	2	4					0.38	11	6	0
		72+00	-	76+50	LT	614	92	155	155		614	1		1					0.39	11	6	0
		72+00	-	76+50	RT	634	95				634	3		3					0.40	11	6	0
		76+50	-	80+25	LT	559	104	410	410		693	1		1					0.44	12	6	0
		76+50	-	80+25	RT	606	91				606	1		1		20			0.38	11	6	0
		SYENE ROAD STORM SEWER			RT	820	123	182	182	820									0.52	0	8	15
		UNDISTRIBUTED						160	160		300							2		71	101	30
					TOTAL	22,310	3,283	4,750	4,750	6,033	16,156	64	5	51	8	50	2	2	14	355	303	150

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TREES

PROJECT NUMBER	CATEGORY	BID ITEM NO.	NAME	SPECIES CODE	ROOT COND.	SIZE	(EACH)
5849-00-11	0010	632.0101.01	AMERICAN HORNBEAM	AH	B&B	2.5"	6
		632.0101.02	MAPLE CELEBRATION	CBM	B&B	2.5"	10
		632.0101.03	COMMON HACKBERRY	CH	B&B	2.5"	5
		632.0101.04	CALLERY PEAR	CP	B&B	2.5"	3
		632.0101.05	GINGKO (MAIDENHAIR TREE)	G	B&B	2.5"	3
		632.0101.06	ELM HYBRID	HE	B&B	2.5"	22
		632.0101.07	IRONWOOD	IW	B&B	2.5"	4
		632.0101.08	KENTUCKY COFFEETREE	KCT	B&B	2.5"	14
		632.0101.09	LITTLELEAF LINDEN	LLL	B&B	2.5"	4
		632.0101.10	SKYLINE HONEYLOCUST (THORNLESS)	SKHL	B&B	2.5"	15
		632.0101.11	MAPLE, STATE STREET	SSM	B&B	2.5"	17
		632.0101.12	TURKISH HAZELNUT	TH	B&B	2.5"	3
		632.0101.13	AUTUMN BRILLIANCE SERVICEBERRY	AG	B&B	2.0"	3
		632.0101.14	EASTERN REDBUD	ER	B&B	2.5"	2
		632.0101.15	HAWTHORN	HTC	B&B	2.5"	1
		632.0101.16	JAPANESE TREE LILAC	JTL	B&B	2.5"	11
		632.0101.17	PRINCETON ELM	PE	B&B	2.5"	1
		632.0101.18	AMERICAN SENTRY LINDEN	ASL	CONT	#25	5
		632.0101.19	SWAMP WHITE OAK	SWO	CONT	#25	9

DRIVEWAYS

				305.0110	305.0120	416.0270	465.0120
PROJECT NUMBER	CATEGORY	STATION	LOCATION	BASE AGGREGATE DENSE 3/4-INCH (TON)*	BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	CONCRETE DRIVEWAY HES 7-INCH (SY)	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)
5849-00-11	0010	11+66	LT		8		4
		12+29	RT		19	26	4
		13+00	LT		10		4
		13+57	RT		19	29	4
		13+86	LT		17		7
		14+47	LT		18		8
		14+50	RT		16	44	
		15+88	RT		16	42	
		16+18	LT		35		16
		18+17	LT		22		10
		19+61	LT		10		4
		21+72	LT		14		6
		22+79	LT		12		6
		24+08	RT	11	11	55	
		24+53	LT		17		8
		25+16	RT		13	27	1
		25+50	LT		42		19
		26+34	LT		9		4
		27+85	LT		9	24	
		28+81	LT		7		3
		29+74	LT		8		3
		31+00	LT	5	5	16	
		31+17	RT		23	57	
		32+35	LT		7		3
		33+72	LT		10		4
		34+00	RT		19	53	
		34+25	LT		21	54	
		39+38	LT		8		4
		40+05	LT		6		3
		42+28	LT		12	32	
		43+91	RT		14	37	
		45+26	RT	7	7	36	
		45+60	RT	7	7	36	
		49+00	LT		5	14	
		50+42	LT		13	32	
		53+16	LT		7		3
		54+37	LT		13		6
		55+71	LT		31		14
		56+05	RT		13	35	
		60+63	RT		14	33	1
		61+72	RT		13	29	1
		68+70	RT	13	13	46	
		69+30	LT		10		4
		74+18	RT		17	39	1
			TOTAL	43	620	796	155

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PERMANENT SIGNING TYPE II

					637.2210	637.2230	634.0614	634.0616	SPV.0060.40		
PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	SIGNS TYPE II REFLECTIVE H (SF)	SIGNS TYPE II REFLECTIVE F (SF)	POSTS WOOD 4X6-INCH 14-FT (EACH)	POSTS WOOD 4X6-INCH 16-FT (EACH)	ROUND STEEL SIGN POST SYSTEM 12-FT (EACH)	SIGN MOUNTED ON SAME POST AS	REMARKS
5849-00-11	0010	1-01	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		1-03	R7-9	12"X18"	1.50					ON POLE	NO PARKING, BIKE LANE
		1-04	R7-9	12"X18"	1.50					ON POLE	NO PARKING, BIKE LANE
		1-05	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		1-06	R1-1	30"X30"	5.18		1				STOP
		1-07	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		2-01	R7-9	12"X18"	1.50					ON POLE	NO PARKING, BIKE LANE
		2-02	R7-9	12"X18"	1.50					ON POLE	NO PARKING, BIKE LANE
		2-03	R1-1	30"X30"	5.18		1				STOP
		2-04	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		2-05	W11-2	30"X30"		6.25		1			PEDESTRIAN CROSSING
		2-06	W11-2	30"X30"		6.25		1			PEDESTRIAN CROSSING
		2-07	W16-7L	24"X12"		2.00				2-05	LEFT ARROW
		2-08	W16-7L	24"X12"		2.00				2-06	LEFT ARROW
		2-09	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		2-10	R2-1	24"X30"	5.00		1				SPEED LIMIT
		2-11	R2-1	24"X30"	5.00					ON POLE	SPEED LIMIT
		3-01	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		3-02	W2-6	30"X30"		6.25				ON POLE	ROUNDABOUT AHEAD
		3-03	W13-1	18"X18"		2.25				3-02	15 MPH
		3-04	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		3-05	W3-2	36"X36"		9.00				ON POLE	YIELD AHEAD
		3-06	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		3-07	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		3-08	W3-2	36"X36"		9.00		1			YIELD AHEAD
		4-01	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		4-02	W2-6	30"X30"		6.25		1			ROUNDABOUT AHEAD
		4-03	W13-1	18"X18"		2.25				4-02	15 MPH
		4-04	R4-7	24"X30"	5.00				1		KEEP RIGHT
		4-05	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		4-06	R1-1	30"X30"	5.18					ON POLE	STOP
		4-07	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		4-08	R4-7	24"X30"	5.00				1		KEEP RIGHT
		4-09	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		4-10		30"X48"	10.00			1			MCGAW PARK 500 FT
		4-11	R7-9	12"X18"	1.50		1			ON POLE	NO PARKING, BIKE LANE
		5-01	R1-1	30"X30"	5.18		1				STOP
		5-02	R4-7	24"X30"	5.00				1		KEEP RIGHT
		5-03	R4-7	24"X30"	5.00				1		KEEP RIGHT
		5-04	R4-7	24"X30"	5.00				1		KEEP RIGHT
		5-05	W11-15	30"X30"		6.25		1			PEDESTRIAN, BIKE CROSSING
		5-06	W16-7L	24"X12"		2.00				5-05	LEFT ARROW
		5-07	R1-6M	12"X36"	3.00				1		YIELD TO PEDESTRIANS
		5-08	R1-6M	12"X36"	3.00					5-07	YIELD TO PEDESTRIANS
		5-09	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		5-10	R1-1	30"X30"	5.18		1				STOP
		5-11	W11-15	30"X30"		6.25		1			PEDESTRIAN, BIKE CROSSING
		5-12	W16-7L	24"X12"		2.00				5-10	LEFT ARROW
		5-13	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		5-14	R4-7	24"X30"	5.00				1		KEEP RIGHT
		5-15	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		5-16	R1-1	30"X30"	5.18		1				STOP
		5-17	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		5-18		42"X72"	21.00			2			MCGAW PARK 300 FT
		6-01	R4-7	24"X30"	5.00				1		KEEP RIGHT
		6-02	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		6-03	R1-1	30"X30"	5.18		1				STOP
		6-04	R4-7	24"X30"	5.00				1		KEEP RIGHT
		6-05	W11-2	30"X30"		6.25		1			PEDESTRIAN CROSSING
		6-06	W11-2	30"X30"		6.25					PEDESTRIAN CROSSING
		6-07	W16-7L	24"X12"		2.00				6-05	LEFT ARROW
		6-08	W16-7L	24"X12"		2.00				6-06	LEFT ARROW
		6-09	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		6-10	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		6-11	R1-1	30"X30"	5.18		1				STOP
		6-12	R7-9	12"X18"	1.50		1				NO PARKING, BIKE LANE
		6-13	W10-1	36"X36"		7.07		1			RAILROAD CROSSING
		7-01	W11-15	30"X30"		6.25				ON POLE	PEDESTRIAN, BIKE CROSSING
		7-02	W16-7L	24"X12"		2.00				7-01	LEFT ARROW
		7-03	R1-2	36"X31"	3.88			1			YIELD

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PERMANENT SIGNING TYPE II

PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	SPV.0060.40 ROUND STEEL SIGN POST SYSTEM 12-FT (EACH)	SIGN MOUNTED ON SAME POST AS	REMARKS
5849-00-11	0010	7-04	R1-54	24"X15"	2.50					7-03	TO TRAFFIC FROM LEFT
		7-05	R1-2	36"X31"	3.88				1		YIELD
		7-06	R6-2-R	24"X30"	5.00					7-05	ONE WAY RIGHT
		7-07	R6-1-R	36"X12"	3.00		2				ONE WAY RIGHT ARROW
		7-08	R6-1-R	36"X12"	3.00		2				ONE WAY RIGHT ARROW
		7-09	R6-1-R	36"X12"	3.00		2				ONE WAY RIGHT ARROW
		7-10	R6-4-A	48"X24"	8.00					7-07	CHEVRON FOR RAB
		7-11	R6-4-A	48"X24"	8.00					7-08	CHEVRON FOR RAB
		7-12	R6-4-A	48"X24"	8.00					7-09	CHEVRON FOR RAB
		7-13	W11-15	30"X30"		6.25		1			PEDESTRIAN, BIKE CROSSING
		7-14	W16-7L	24"X12"		2.00				7-13	LEFT ARROW
		7-15	R4-7	24"X30"	5.00				1		KEEP RIGHT
		7-16	W11-15	30"X30"		6.25		1		ON POLE	PEDESTRIAN, BIKE CROSSING
		7-17	W16-7L	24"X12"		2.00				7-16	LEFT ARROW
		7-18	R1-2	36"X31"	3.88			1			YIELD
		7-19	R1-54	24"X15"						7-18	TO TRAFFIC FROM LEFT
		7-20	R1-2	36"X31"	3.88				1		YIELD
		7-21	R6-2-R	24"X30"	5.00					7-20	ONE WAY RIGHT
		7-22	W11-15	30"X30"		6.25				ON POLE	PEDESTRIAN, BIKE CROSSING
		7-23	W16-7L	24"X12"		2.00				7-22	LEFT ARROW
		7-24	R4-7	24"X30"	5.00				1		KEEP RIGHT
		7-25	W11-15	30"X30"		6.25		1			PEDESTRIAN, BIKE CROSSING
		7-26	W16-7L	24"X12"		2.00				7-25	LEFT ARROW
		7-27	R1-2	36"X31"	3.88				1		YIELD
		7-28	R6-2-R	24"X30"	5.00					7-27	ONE WAY RIGHT
		7-29	R1-2	36"X31"	3.88			1			YIELD
		7-30	R1-54	24"X15"	2.50					7-29	TO TRAFFIC FROM LEFT
		7-31	W11-15	30"X30"		6.25		1			PEDESTRIAN, BIKE CROSSING
		7-32	W16-7L	24"X12"		2.00				7-31	LEFT ARROW
		7-33	R4-7	24"X30"	5.00				1		KEEP RIGHT
		7-34		54"X15"	5.63				2		LACY RD
		7-35		66"X15"	6.88				2		FAHEY GLEN
		7-36		54"X15"	5.63				2		LACY RD
				TOTAL	276.86	141.07	36	18	21		

SIGN REMOVALS

PROJECT NUMBER	CATEGORY	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)
5849-00-11	0010	11+19	26' RT	2			1
		11+49	30' LT	2			1
		17+25	26' LT		1	1	
		27+12	37' RT		1	1	
		30+37	21' RT		1	1	
		30+82	23' LT		1	1	
		42+07	14' LT		1	1	
		41+56	50' RT		1	1	
		43+52	3' RT		1	1	
		49+37	37' RT		1	1	
		49+67	33' LT		1	1	
		52+78	17' RT		1	1	
		59+25	48' LT		1	1	
		59+54	33' LT		1	1	
		59+58	88' RT		1		
		59+87	46' RT		1	1	
		59+91	11' RT				
		65+51	9' LT		1	2	
		65+52	17' LT		1	2	
		66+83	39' RT		1	1	
		79+61	6' RT		1	1	
			TOTAL	4	18	19	2

TRAFFIC CONTROL

PROJECT NUMBER	CATEGORY	LOCATION	643.0300 TRAFFIC CONTROL DRUMS (DAY)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C (DAY)	643.0900 TRAFFIC CONTROL SIGNS (DAY)	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE (SF)	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAY)	643.3000 TRAFFIC CONTROL DETOUR SIGNS (DAY)
5849-00-11	0010	PROJECT DETOUR AND TRAFFIC CONTROL	15,600	2,184	4,368	2,340	2,184	135	28	5,460
		TOTAL	15,600	2,184	4,368	2,340	2,184	135	28	5,460

TRAFFIC CONTROL DETOUR

PROJECT NUMBER	CATEGORY	643.2000 TRAFFIC CONTROL DETOUR (EACH)
5849-00-11	0010	1
	TOTAL	1

PAVEMENT MARKING

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	DESCRIPTION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW (LF)	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE (LF)	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE (LF)	646.0156 PAVEMENT MARKING EPOXY 18-INCH WHITE (LF)	647.0110 PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (EACH)	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE (EACH)	647.0206 PAVEMENT MARKING ARROWS BIKE LANE EPOXY (EACH)	647.0306 PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (EACH)	647.0356 PAVEMENT MARKING WORDS EPOXY (EACH)
5849-00-11	0010	10+50	-	11+17	CL	DOUBLE YELLOW	134								
		10+50	-	17+05	LT LANE EDGE			655							
		11+17	-	17+06	LT BIKE LANE			588							
		11+45	-	17+05	LT BIKE LANE	BUFFER HATCH		35							
		11+17	-	14+30	MEDIAN LEFT	DOUBLE YELLOW	628								
		11+17	-	14+30	MEDIAN RIGHT	DOUBLE YELLOW	626								
		11+00	-	26+41	RT LANE EDGE			1,506							
		11+36	-	26+41	RT BIKE LANE			1,506							
		11+36	-	26+41	BIKE LANE	BUFFER HATCH		95							
		11+75			RT BIKE LANE								1	1	
		14+30	-	23+85	CL	DOUBLE YELLOW	1910								
		16+90			LT BIKE LANE								1	1	
		17+78	-	28+45	LT LANE EDGE			1,067							
		17+78	-	28+45	LT BIKE LANE			1,067							
		17+78	-	28+45	LT BIKE LANE	BUFFER HATCH		67							
		17+95			RT BIKE LANE								1	1	
		23+85	-	26+41	MEDIAN LEFT	DOUBLE YELLOW	534								
		23+85	-	26+41	MEDIAN RIGHT	DOUBLE YELLOW	512								
		26+10			LT/RT BIKE LANE								2	2	
		26+41			MEDIAN END	SINGLE YELLOW	11								
		27+56			LT TURN LANE							2			
		27+84			LT TURN LANE										1
		27+34	-	40+48	RT LANE EDGE			1,302							
		27+34	-	39+43	RT BIKE LANE			1,199							
		27+34	-	39+43	RT BIKE LANE	BUFFER HATCH		76							
		27+34	-	28+45	LT TURN LANE				112						
		27+34	-	28+45	CL	DOUBLE YELLOW	224								
		27+45			RT BIKE LANE								1	1	
		28+55	-	40+18	LT LANE EDGE			1,162							
		28+55	-	40+18	LT BIKE LANE			1,162							
		28+55	-	40+18	LT BIKE LANE	BUFFER HATCH		73							
		28+55	-	28+64	LT TURN LANE				8						
		28+55	-	28+63	CL	DOUBLE YELLOW	16								
		28+63	-	31+51	MEDIAN LEFT	DOUBLE YELLOW	576								
		28+63	-	31+51	MEDIAN RIGHT	DOUBLE YELLOW	576								
		31+51	-	39+97	CL	DOUBLE YELLOW	1,692								
		39+43	-	40+48	RT	2' SKIPS		26							
		39+75			LT BIKE LANE								1	1	
		39+97	-	40+54	MEDIAN LEFT	DOUBLE YELLOW	118								
		39+97	-	40+54	MEDIAN RIGHT	DOUBLE YELLOW	118								
		40+18	-	40+47	LT			8							
		40+88	-	41+19	RAB WEST				50	19					
		41+72	-	42+08	RAB SOUTH				47	20					
		42+34	-	42+37	RAB EAST				50	19					
		42+75	-	43+64	MEDIAN LEFT	DOUBLE YELLOW	180								
		42+75	-	43+64	MEDIAN RIGHT	DOUBLE YELLOW	180								
		42+87	-	43+67	LT	2' SKIPS		20							
		43+22	-	43+62	RT	2' SKIPS		10							
		43+62	-	48+70	RT LANE EDGE			506							
		43+62	-	48+70	RT BIKE LANE			505							
		43+63	-	48+70	RT BIKE LANE	BUFFER HATCH		32							
		43+64	-	44+36	CL	DOUBLE YELLOW	142								
		43+67	-	58+98	LT LANE EDGE			1,535							
		43+67	-	58+98	LT BIKE LANE			1,528							
		43+74	-	58+98	LT BIKE LANE	BUFFER HATCH		96							
		44+36	-	47+19	MEDIAN LEFT	DOUBLE YELLOW	568								
		44+36	-	47+19	MEDIAN RIGHT	DOUBLE YELLOW	586								

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PAVEMENT MARKING

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	DESCRIPTION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW (LF)	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE (LF)	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE (LF)	646.0156 PAVEMENT MARKING EPOXY 18-INCH WHITE (LF)	647.0110 PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (EACH)	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE (EACH)	647.0206 PAVEMENT MARKING ARROWS BIKE LANE EPOXY (EACH)	647.0306 PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (EACH)	647.0356 PAVEMENT MARKING WORDS EPOXY (EACH)
5849-00-11	0010	44+45			RT BIKE LANE								1	1	
		48+25			LT/RT BIKE LANE								2	2	
		49+61	-	59+08	RT LANE EDGE			947							
		49+61	-	59+08	RT BIKE LANE			946							
		49+61	-	59+08	RT BIKE LANE	BUFFER HATCH		60							
		49+75			RT BIKE LANE								1	1	
		52+64	-	57+63	MEDIAN RIGHT	DOUBLE YELLOW	1,014								
		52+68	-	57+70	MEDIAN LEFT	DOUBLE YELLOW	1,004								
		57+70	-	59+08	CL	DOUBLE YELLOW	278								
		57+70	-	59+08	LT TURN LANE	LT OF CHEVRONS			135						
		57+70	-	59+08	LT TURN LANE	RT OF CHEVRONS			134						
		57+98			LT TURN LANE							1			
		58+42			LT TURN LANE										1
		58+75			LT/RT BIKE LANE								2	2	
		58+87			LT TURN LANE							1			
		60+08	-	66+23	RT LANE EDGE			615							
		60+08	-	66+23	RT BIKE LANE			615							
		60+08	-	66+23	RT BIKE LANE	BUFFER HATCH			39						
		60+08	-	71+37	LT LANE EDGE			1,130							
		60+08	-	71+37	LT BIKE LANE			1,130							
		60+08	-	71+37	LT BIKE LANE	BUFFER HATCH			71						
		60+08	-	61+33	LT TURN LANE				125						
		60+18			LT TURN LANE							1			
		60+30			LT/RT TURN LANE								2	2	
		60+54			LT TURN LANE										1
		61+23			LT TURN LANE							1			
		64+14	-	65+34	MEDIAN RIGHT	DOUBLE YELLOW	316								
		64+15	-	65+34	MEDIAN LEFT	DOUBLE YELLOW	316								
		65+34	-	66+23	CL	DOUBLE YELLOW	178								
		66+00			RT BIKE LANE								1	1	
		67+03	-	71+36	RT LANE EDGE			433							
		67+03	-	71+36	RT BIKE LANE			433							
		67+03	-	71+36	RT BIKE LANE	BUFFER HATCH		27							
		67+03	-	70+09	MEDIAN LEFT	DOUBLE YELLOW	612								
		67+03	-	70+09	MEDIAN RIGHT	DOUBLE YELLOW	612								
		67+20			RT BIKE LANE								1	1	
		71+00			LT BIKE LANE								1	1	
		71+42	-	76+14	RT LANE EDGE			472							
		71+42	-	76+14	RT BIKE LANE			472							
		71+42	-	76+14	RT BIKE LANE	BUFFER HATCH		30							
		72+26	-	73+70	MEDIAN RIGHT	DOUBLE YELLOW	288								
		72+26	-	73+70	MEDIAN LEFT	DOUBLE YELLOW	288								
		72+26			MEDIAN END	SINGLE YELLOW	11								
		72+27	-	80+75	LT LANE EDGE			848							
		72+27	-	80+25	LT BIKE LANE			798							
		72+27	-	80+25	LT BIKE LANE	BUFFER HATCH		41							
		72+75			LT/RT BIKE LANE								2	2	
		73+70	-	74+70	CL	DOUBLE YELLOW	200								
		73+70	-	74+70	CL	DOUBLE YELLOW	200								
		74+70	-	76+14	MEDIAN LEFT	DOUBLE YELLOW	288								
		74+70	-	76+14	MEDIAN RIGHT	DOUBLE YELLOW	288								
		75+55			RT BIKE LANE								1	1	
		76+10			LT BIKE LANE								1	1	
		76+14			MEDIAN END	SINGLE YELLOW	11								
		76+97	-	80+75	RT LANE EDGE			379							
		76+97	-	80+25	RT BIKE LANE			329							
		76+97	-	80+25	RT BIKE LANE	BUFFER HATCH		11							
		76+97	-	77+87	LT TURN LANE				90						
		76+97	-	77+87	CL	DOUBLE YELLOW	180								
		77+10			RT BIKE LANE								1	1	
		77+87	-	80+25	MEDIAN LEFT	DOUBLE YELLOW	478								
		77+87	-	80+25	MEDIAN RIGHT	DOUBLE YELLOW	478								
		77+91	-	80+18	MEDIAN	DIAGONAL STRIPES									
		78+24	-	78+69	RT LANE						1				
					TOTAL		16,371	25,542	751	58	1	6	23	23	3
							41,913								

PAVEMENT MARKING II

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	DESCRIPTION	647.0456 PAVEMENT MARKING CURB EPOXY YELLOW (LF)	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (LF)	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW (EACH)	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH WHITE (LF)	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH YELLOW (LF)	647.0776 PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (LF)	647.0796 PAVEMENT MARKING CROSSWALK EPOXY 24-INCH (LF)
5849-00-11	0010	11+25	-	11+46	CROSSWALK	CROSSWALK EDGES						795	
		11+25	-	11+46	CROSSWALK	CROSSWALK STRIPES							120
		23+85	-	26+41	MEDIAN	DIAGONAL STRIPES					85		
		28+45	-	28+55	CROSSWALK	CROSSWALK EDGES						86	
		28+45	-	28+55	CROSSWALK	CROSSWALK STRIPES							110
		28+63	-	31+51	MEDIAN	DIAGONAL STRIPES					54		
		40+55			SPLITTER ISLAND		10		1				
		40+62	-	40+73	CROSSWALK	CROSSWALK EDGES						75	
		41+53	-	41+76	CROSSWALK	CROSSWALK EDGES						70	
		41+53	-	41+76	CROSSWALK	CROSSWALK STRIPES							80
		41+64			SPLITTER ISLAND		10		1				
		42+51	-	42+61	CROSSWALK	CROSSWALK EDGES						70	
		42+75			SPLITTER ISLAND		10		1				
		45+16	-	47+19	MEDIAN	DIAGONAL STRIPES					54		
		49+63			MEDIAN ISLAND		10		1				
		52+68			MEDIAN ISLAND		10		1				
		52+72	-	57+73	MEDIAN	DIAGONAL STRIPES					124		
		57+74	-	59+08	MEDIAN	CHEVRONS				28			
		59+08	-	59+14	CROSSWALK	CROSSWALK EDGES						105	
		59+92			MEDIAN ISLAND				1				
		59+98	-	60+08	CROSSWALK	CROSSWALK EDGES						94	
		59+98	-	60+08	CROSSWALK	CROSSWALK STRIPES							120
		64+14			MEDIAN ISLAND				1				
		64+16	-	65+34	MEDIAN	DIAGONAL STRIPES					15		
		67+08	-	70+07	MEDIAN	DIAGONAL STRIPES					82		
		70+03			MEDIAN ISLAND				1				
		71+36	-	71+42	CROSSWALK	CROSSWALK EDGES						64	
		71+36	-	71+42	CROSSWALK	CROSSWALK STRIPES							48
		71+49			MEDIAN ISLAND				1				
		72+26	-	73+63	MEDIAN	DIAGONAL STRIPES					40		
		74+70	-	76+14	MEDIAN	DIAGONAL STRIPES					28		
		77+91	-	80+18	MEDIAN	DIAGONAL STRIPES					67		
		MICA ROAD			RT			15				65	
		NOTRE DAME DRIVE			RT			15				82	
		SUNFLOWER DRIVE			LT/RT			33				84	
		MCGAW ROAD			RT			14				71	
		JONES FARM ROAD			LT			15				79	
		NORTH PARK LANE			RT			16				70	
					TOTAL		50	108	9	28	549	1,810	478
											577		

CONSTRUCTION STAKING

PROJECT NUMBER	CATEGORY	STATION	-	STATION	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)	SPV.0090.01 CONSTRUCTION STAKING WALL MODULAR BLOCK GRAVITY (LF)	SPV.0090.28 CONSTRUCTION STAKING SHARED-USE PATH (LF)
5849-00-11	0010	11+00	-	80+25	6,925	6,925	6,925		
		56+25	-	58+25				200	
		11+08	-	26+70					1,562
		27+05	-	27+53					48
		28+29	-	36+00					771
		40+22	-	41+52					137
		41+75	-	48+96					725
		49+34	-	59+31					997
		59+83	-	66+46					663
		66+80	-	74+85					805
		76+00	-	76+37					37
		76+73	-	76+97					24
		10+00 'GA'	-	10+56 'GA'	56	56	56		
		9+00 'MC'	-	10+00 'MC'	100	100	100		
		8+47 'FG'	-	10+00 'FG'	153	153	153		
		9+38 'ND'	-	10+00 'ND'	62	62	62		
		9+38 'SF'	-	10+92 'SF'	154	154	154		
		9+18 'MG'	-	10+00 'MG'	82	82	82		
		10+00 'JF'	-	10+89 'JF'	89	89	89		
		9+38 'NPL'	-	10+00 'NPL'	62	62	62		
				TOTAL	7,683	7,683	7,683	200	5,769

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL, ROUNDABOUT, AND TREES

PROJECT NUMBER	CATEGORY	STATION - STATION	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 5849-00-11 (LS)	SPV.0105.06 CONSTRUCTION STAKING ROUNDABOUT (LS)	SPV.0060.45 CONSTRUCTION STAKING TREES (EA)
5849-00-11	0010	PROJECT LIMITS	1	1	138
		TOTAL	1	1	138

LIGHTING CONDUIT SUMMARY

PROJECT NUMBER	CATEGORY	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH (LF)
5849-00-11	0020	LM-A01	-	LM-A02	158	22
		LM-A02	-	PB-01	76	34
		PB-01	-	PB-02	19	55
		PB-02	-	LM-A03	9	
		LM-A03	-	LM-A04	156	41
		LM-A04	-	LM-A05	208	22
		LM-A05	-	LM-A06	198	18
		LM-A06	-	LM-A07	154	70
		LM-A07	-	PB-03	171	34
		PB-03	-	PB-04		65
		PB-04	-	LM-A08	5	
		LM-A08	-	LM-A09	269	21
		LM-A09	-	LM-A10	283	27
		LM-A10	-	LM-A11	300	
		LM-A11	-	LM-A12	215	13
		LM-A12	-	PB-05	14	
		PB-05	-	PB-06		63
		PB-06	-	LM-A13	7	
		LM-A13	-	LM-A14	65	
		LM-A14	-	LM-A15	96	32
		PB-05	-	LM-A16	79	12
		LM-A16	-	CABINET	26	14
		CABINET	-	PB-07	43	68
		PB-07	-	LM-A17	5	
		LM-A17	-	LM-A18	92	11
		LM-A18	-	LM-A19	248	48
		LM-A19	-	LM-A20	286	19
		LM-A20	-	PB-08	39	14
		PB-08	-	PB-09		42
		PB-09	-	LM-A21	7	
		LM-A21	-	LM-A22	308	16
		LM-A22	-	LM-A23	275	
		LM-A23	-	PB-10	358	20
		PB-10	-	PB-11		53
		PB-11	-	PB-12		56
		PB-12	-	LM-A24	189	38
		LM-A24	-	LM-A25	210	
		LM-A25	-	PB-13	178	
		PB-13	-	PB-14		66
		PB-14	-	LM-A26	6	
		LM-A26	-	LM-A27	411	22
		LM-A27	-	LM-A28	291	27
		LM-A28	-	PB-15	166	
		PB-15	-	PB-16		77
		PB-16	-	LM-A29	176	
				TOTAL	5,796	1,120

LIGHTING PULL BOXES

PROJECT NUMBER	CATEGORY	PULL BOX NO.	STATION	LOCATION	653.0135 PULL BOXES STEEL 24x36-INCH (EACH)
5849-00-11	0020	PB-01	17+05	20.0' LT	1
		PB-02	17+79	20.0' LT	1
		PB-03	28+60	31.0' LT	1
		PB-04	29+05	20.0' RT	1
		PB-05	40+56	22.0' RT	1
		PB-06	40+65	40.0' LT	1
		PB-07	41+73	80.0' RT	1
		PB-08	48+95	40.0' RT	1
		PB-09	49+35	46.0' RT	1
		PB-10	59+04	20.0' RT	1
		PB-11	59+57	21.5' RT	1
		PB-12	60+13	20.0' RT	1
		PB-13	66+28	21.0' RT	1
		PB-14	66+94	23.0' RT	1
		PB-15	76+17	20.0' RT	1
		PB-16	76+94	20.0' RT	1
				TOTAL	16

CONSTRUCTION STAKING ELECTRICAL INSTALLMENTS

PROJECT NUMBER	CATEGORY	STATION - STATION	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLMENTS 5849-00-11 (LS)
5849-00-11	0020	PROJECT LIMITS	1
		TOTAL	1

LIGHTING CONTROL CABINET

PROJECT NUMBER	CATEGORY	STATION	LOCATION	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 (EACH)	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LS)	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH (EACH)
5849-00-11	0020	42+23	53' RT	1	1	1
			TOTAL	1	1	1

ELECTRICAL WIRE LIGHTING

PROJECT NUMBER	CATEGORY	FROM		TO	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)*	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (LF)*	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG (LF)*
5849-00-11	0020	LM-A01	-	LM-A02	720		
		LM-A02	-	PB-01	438		
		PB-01	-	PB-02	258		
		PB-02	-	LM-A03	135		
		LM-A03	-	LM-A04	771		
		LM-A04	-	LM-A05	870		
		LM-A05	-	LM-A06	828		
		LM-A06	-	LM-A07	852		
		LM-A07	-	PB-03	723		
		PB-03	-	PB-04	231		
		PB-04	-	LM-A08	123		
		LM-A08	-	LM-A09	1050		
		LM-A09	-	LM-A10		1850	
		LM-A10	-	LM-A11		1800	
		LM-A11	-	LM-A12		1440	
		LM-A12	-	PB-05		250	
		PB-05	-	PB-06		225	
		PB-06	-	LM-A13		129	
		LM-A13	-	LM-A14		375	
		LM-A14	-	LM-A15		564	
		PB-05	-	LM-A16		635	
		LM-A16	-	CABINET		350	
		CABINET	-	PB-07			351
		PB-07	-	LM-A17			123
		LM-A17	-	LM-A18			489
		LM-A18	-	LM-A19			1068
		LM-A19	-	LM-A20			1095
		LM-A20	-	PB-08			267
		PB-08	-	PB-09			162
		PB-09	-	LM-A21			129
		LM-A21	-	LM-A22			1152
		LM-A22	-	LM-A23			1005
		LM-A23	-	PB-10			1242
		PB-10	-	PB-11			195
		PB-11	-	PB-12			204
		PB-12	-	LM-A24		789	
		LM-A24	-	LM-A25		810	
		LM-A25	-	PB-13		642	
		PB-13	-	PB-14		234	
		PB-14	-	LM-A26		126	
		LM-A26	-	LM-A27		1479	
		LM-A27	-	LM-A28	1134		
		LM-A28	-	PB-15	606		
		PB-15	-	PB-16	267		
		PB-16	-	LM-A29	636		
				TOTAL	9,642	11,698	7,482

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EQUIPMENT GROUNDING CONDUCTORS

PROJECT NUMBER	CATEGORY	FROM		TO	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)*	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (LF)*	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG (LF)*
5849-00-11	0020	LM-A01	-	LM-A02	240		
		LM-A02	-	PB-01	146		
		PB-01	-	PB-02	86		
		PB-02	-	LM-A03	45		
		LM-A03	-	LM-A04	257		
		LM-A04	-	LM-A05	290		
		LM-A05	-	LM-A06	276		
		LM-A06	-	LM-A07	284		
		LM-A07	-	PB-03	241		
		PB-03	-	PB-04	77		
		PB-04	-	LM-A08	41		
		LM-A08	-	LM-A09	350		
		LM-A09	-	LM-A10		370	
		LM-A10	-	LM-A11		360	
		LM-A11	-	LM-A12		288	
		LM-A12	-	PB-05		50	
		PB-05	-	PB-06		75	
		PB-06	-	LM-A13		43	
		LM-A13	-	LM-A14		125	
		LM-A14	-	LM-A15		188	
		PB-05	-	LM-A16		127	
		LM-A16	-	CABINET		70	
		CABINET	-	PB-07			117
		PB-07	-	LM-A17			41
		LM-A17	-	LM-A18			163
		LM-A18	-	LM-A19			356
		LM-A19	-	LM-A20			365
		LM-A20	-	PB-08			89
		PB-08	-	PB-09			54
		PB-09	-	LM-A21			43
		LM-A21	-	LM-A22			384
		LM-A22	-	LM-A23			335
		LM-A23	-	PB-10			414
		PB-10	-	PB-11			65
		PB-11	-	PB-12			68
		PB-12	-	LM-A24		263	
		LM-A24	-	LM-A25		270	
		LM-A25	-	PB-13		214	
		PB-13	-	PB-14		78	
		PB-14	-	LM-A26		42	
		LM-A26	-	LM-A27		493	
		LM-A27	-	LM-A28	378		
		LM-A28	-	PB-15	202		
		PB-15	-	PB-16	89		
		PB-16	-	LM-A29	212		
				TOTAL	3,214	3,056	2,494

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SAWING ASPHALT

PROJECT NUMBER	CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)
5849-00-11	0010	11+00	LT/RT	50
		11+65	LT	12
		12+30	RT	11
		13+00	LT	10
		13+50	RT	15
		13+87	LT	16
		14+48	LT	16
		16+18	LT	32
		10+56 'GA'	LT	25
		18+17	LT	12
		19+61	LT	17
		21+72	LT	47
		22+79	LT	18
		24+53	LT	20
		25+50	LT	22
		26+34	LT	16
		9+00 'MC'	RT	28
		27+50	RT	10
		28+30	RT	10
		28+74	LT	14
		29+74	LT	12
		32+35	LT	14
		33+72	LT	11
		36+00	RT	10
		39+38	LT	20
		40+05	LT	10
		40+32	RT	10
		8+47.84 'FG'	LT/RT	36
		9+35 'ND'	LT/RT	28
		53+16	LT	17
		54+37	LT	17
		55+71	LT	13
		9+28.71 'SF'	LT/RT	32
		10+80 'SF'	LT/RT	30
		9+42 'SF'	RT	10
		10+55 'SF'	RT	10
		60+62	RT	16
		61+71	RT	14
		9+18 'MG'	LT/RT	28
		69+30	LT	19
		74+18	RT	8
		76+97	RT	10
		10+39 'JF'	LT/RT	28
		9+38 'NPL'	LT/RT	30
		80+25	LT/RT	32
			TOTAL	866

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DECORATIVE LIGHTING ASSEMBLY

PROJECT NUMBER	CATEGORY	LUMINAIRE NO.	STATION	OFFSET	SPV.0060.01 LUMINAIRES AREA LED (EACH)	SPV.0060.02 ALUMINUM LIGHT POLE (EACH)	SPV.0060.03 BACKLIGHT CONTROL SHIELD (EACH)	654.0105 CONCRETE BASES TYPE 5 (EACH)	NOTES
5849-00-11	0020	LM-A01	14+50	20.5' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A02	15+95	20.0' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A03	17+88	20.0' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A04	19+85	20.0' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A05	22+15	20.0' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A06	24+30	22.5' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A07	26+55	31.0' LT	1	1	1	1	2M TYPE II MEDIUM OPTIC
		LM-A08	29+10	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A09	32+00	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A10	35+10	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A11	38+10	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A12	40+38	22.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A13	40+69	44.0' LT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A14	40+94.77	91.7' LT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A15	42+83	27.0' LT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A16	41+47	39.5' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A17	41+73	75.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A18	42+44.90	23.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A19	45+44.51	19.4' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A20	48+50	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A21	49+34.33	39.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A22	52+50	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A23	55+25	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A24	62+40	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A25	64+50	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A26	66+99	20.5' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A27	71+32	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A28	74+50	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		LM-A29	76+17	20.0' RT	1	1		1	2M TYPE II MEDIUM OPTIC
		RELOCATED						1	
				TOTAL	29	29	7	30	

SAWING CONCRETE

PROJECT NUMBER	CATEGORY	STATION	LOCATION	690.0250 SAWING CONCRETE (LF)
5849-00-11	0010	11+00	RT	5
		14+48	RT	19
		15+88	RT	17
		9+00 'MC'	LT/RT	5
		26+55	RT	5
		27+15	RT	5
		27+85	LT	17
		31+17	RT	38
		34+23	LT	25
		49+45	RT	5
		9+15 'FG'	LT	5
		8+47.84 'FG'	LT/RT	5
		9+35 'ND'	LT/RT	5
		50+42	LT	18
		9+28 'SF'	LT/RT	10
		10+80 'SF'	LT/RT	5
		10+55 'SF'	LT/RT	5
		10+66 'SF'	LT	5
		10+89 'JF'	LT/RT	5
		10+62 'JF'	RT	5
		10+65 'JF'	LT	5
		9+38 'NPL'	LT/RT	5
			TOTAL	219

PREPARING TOPSOIL FOR LAWN TYPE TURF

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	SPV.0180.03 PREPARING TOPSOIL FOR LAWN TYPE TURF (SY)
5489-00-11	0010	11+00	-	27+00	LT	2,646
		11+00	-	27+00	RT	1,459
		27+00	-	40+00	LT	791
		27+00	-	40+00	RT	2,362
		40+00	-	43+00	LT	354
		40+00	-	43+00	RT	783
		43+00	-	49+00	LT	
		43+00	-	49+00	RT	1,029
		49+00	-	60+00	LT	1,380
		49+00	-	60+00	RT	710
		60+00	-	67+00	LT	191
		60+00	-	67+00	RT	621
		67+00	-	72+00	LT	823
		67+00	-	72+00	RT	548
		72+00	-	76+50	LT	614
		72+00	-	76+50	RT	634
		76+50	-	80+25	LT	559
		76+50	-	80+25	RT	606
					TOTAL	16,109

PERENNIALS

PROJECT NUMBER	CATEGORY	BID ITEM NO.	NAME	SPECIES CODE	(EACH)
5849-00-11	0010	SPV.0060.05	PERENNIALS WOODS BLUE ASTER CG 1GAL	AD	111
		SPV.0060.06	PERENNIALS MOONBEAM COREOPSIS CG 1GAL	CV	37
		SPV.0060.07	PERENNIALS HAPPY RETURNS DAYLILY CG 1GAL	HH	64
		SPV.0060.08	PERENNIALS KOBOLD GAYFEATHER CG 1GAL	LS	53
		SPV.0060.09	PERENNIALS RUSSIAN SAGE CG 1GAL	PA	48
		SPV.0060.10	PERENNIALS AUTUMN JOY STONECROP CG 1GAL	SS	32
		SPV.0060.11	PERENNIALS TARA PRAIRIE DROPSEED CG 1GAL	SH	79

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

PROJECT NUMBER	CATEGORY	LOCATION	644.1420.S TEMPORARY PEDESTRIAN SURFACE PLYWOOD (SF)
5849-00-11	0010	SUNFLOWER DRIVE	920
		TOTAL	920

TEMPORARY CURB RAMP

PROJECT NUMBER	CATEGORY	LOCATION	644.1606.S TEMPORARY CURB RAMP (EA)
5849-00-11	0010	SUNFLOWER DRIVE	2
		TOTAL	2

TEMPORARY PEDESTRIAN SAFETY FENCE

PROJECT NUMBER	CATEGORY	LOCATION	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE (LF)
5849-00-11	0010	SUNFLOWER DRIVE	230
		TOTAL	230

TREE PROTECTION

PROJECT NUMBER	CATEGORY	STATION		STATION	LOCATION	SPV.0060.33 TREE PROTECTION (EACH)
5849-00-11	0010	11+00	-	20+00	LT	4
		20+00	-	32+00	LT	10
		32+00	-	44+00	LT	3
		44+00	-	56+00	LT	2
		44+00	-	56+00	RT	3
					TOTAL	22

MOVING LIGHT POLE

PROJECT NUMBER	CATEGORY	STATION	LOCATION	SPV.0060.34 MOVING LIGHT POLE (EACH)
5849-00-11	0020	59+57	LT	1
		76+78	RT	1
		TOTAL		2

LANDSCAPE PROTECTION

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	SPV.0090.29 LANDSCAPE PROTECTION (LF)
5849-00-11	0010	46+36	-	47+21	RT	98
					TOTAL	98

EXISTING PROPERTY MONUMENTS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0105.01 RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS (LS)	SPV.0105.02 VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS (LS)
5849-00-11	0010	PROJECT LIMITS	1	1
		TOTAL	1	1

PEDESTRIAN RAILING STEEL

PROJECT NUMBER	CATEGORY	STATION	LOCATION	SPV.0105.03 PEDESTRIAN RAILING STEEL (LS)
5849-00-11	0010	58+50	RT	1
		TOTAL		1

SHREDDED HARDWOOD BARK MULCH

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	SPV.0180.01 SHREDDED HARDWOOD BARK MULCH (SY)
5849-00-11	0010	41+00	-	42+00	RAB CENTER ISLAND	161
		59+50	-	59+63	SUNFLOWER MEDIAN	34
		61+91	-	64+11	MEDIAN	205
		70+11	-	71+33	MEDIAN	54
					TOTAL	455

STORM SEWER PIPE

PROJECT NUMBER	CATEGORY	PIPE RUN	STRUCT	-	STRUCT	UPSTREAM INVERT	DOWNSTREAM INVERT	608.0342 STORM SEWER PIPE CLASS III 42-INCH (LF)	608.3612 STORM SEWER PIPE CLASS III-B 12-INCH (LF)	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH (LF)	608.3618 STORM SEWER PIPE CLASS III-B 18-INCH (LF)	608.3624 STORM SEWER PIPE CLASS III-B 24-INCH (LF)	608.3630 STORM SEWER PIPE CLASS III-B 30-INCH (LF)	SPV.0090.21 STORM SEWER PIPE CLASS III-B PERFORATED 18-INCH WITH 10-FOOT TRENCH WIDTH (LF)	SPV.0090.22 STORM SEWER PIPE CLASS III-B PERFORATED 18-INCH WITH 14-FOOT TRENCH WIDTH (LF)	SPV.0090.23 STORM SEWER PIPE CLASS III-B PERFORATED 24-INCH WITH 14-FOOT TRENCH WIDTH (LF)	SPV.0090.24 STORM SEWER PIPE CLASS III-B PERFORATED 30-INCH WITH 10-FOOT TRENCH WIDTH (LF)	SPV.0090.25 STORM SEWER PIPE CLASS III-B PERFORATED 42-INCH WITH 10-FOOT TRENCH WIDTH (LF)	310.0110 BASE AGGREGATE OPEN-GRADED (TON)*	645.0112 GEOTEXTILE TYPE DF SCHEDULE B (SY)
5849-00-11	0010	P10A	10.1	-	10.0	997.90	997.36					11								
		P10B	10.2	-	10.0	998.22	997.86				34									
		P12A	12.0	-	12.1	1011.57	1012.12					13								
		P12B	12.2	-	12.1	1013.88	1013.11		35											
		P13A	13.0	-	13.1	1019.00	1019.70				12									
		P14A	14.0	-	14.1	1021.89	1022.21					13								
		P14B	14.2	-	14.1	1025.54	1024.49		35											
		P14C	14.1B	-	14.1	1024.16	1023.19		51											
		P16A	16.1	-	16.0	1028.89	1029.12				10									
		P16B	16.1	-	16.2	1033.61	1029.39		169											
		P17A	17.1	-	17.0	1024.82	1025.67					28								
		P17B	17.2	-	17.1	1029.84	1025.81		85											
		P17C	17.3	-	17.0	1025.68	1026.17				17									
		P18A	18.1	-	18.0	1014.31	1015.01					7								
		P18B	18.2	-	18.1	1015.26	1014.81		45											
		P20A	20.1	-	20.0	1003.03	1003.55					7								
		P20B	20.2	-	20.1	1004.22	1004.03		35											
		P21A	21.1	-	21.0	982.55	983.25					7								
		P21B	21.2	-	21.1	983.89	983.55		35											
		P22A	22.1	-	22.0	968.57	969.50					6								
		P22B	22.2	-	22.1	969.79	969.57		42											
		P23A	23.1	-	23.0	966.31	966.10		23											
		P23B	23.2	-	23.1	966.40	966.31		10											
		P24A	24.1	-	24.0	966.56	966.28		29											
		P24B	24.2	-	24.0	967.33	966.28		103											
		P24C	24.3	-	24.2	967.75	967.33		43											
		P26A	26.1	-	26.0	960.87	961.95					4								
		P26B	26.2	-	26.1	963.48	963.38		10											
		P26C	26.3	-	26.1	962.19	961.87		37											
		P26D	26.4	-	26.3	962.29	962.19		10											
		P28A	28.1	-	28.0	950.01	950.71					7								
		P28B	28.2	-	28.1	951.45	951.01		47											
		P29A	29.1	-	29.0	947.55	947.98					7								
		P30A	30.1	-	30.0	942.07	942.62					7								
		P30B	30.2	-	30.1	943.48	943.07		43											
		P30C	30.3	-	30.2	943.57	943.48		7											
		P30D	EX	-	30.0	943.30	943.12		17											
		P31A	32.1	-	31.0	935.22	935.47					7								
		P34A	34.0	-	34.1	922.73	---		39											
		P34B	34.2	-	34.0	923.73	922.73		22											
		P37A	37.1	-	37.0	921.27	921.22					11								
		P38A	38.1	-	38.0	918.09	918.77						11							
		P38B	38.2	-	38.1	919.71	919.59		10											
		P38C	38.3	-	38.1	920.20	919.59		54											
		P38D	38.4	-	38.3	920.30	920.20		10											
		P39A	39.1	-	39.0	917.96	918.02					6								

*ADDITIONAL QUANITIES LISTED ELSEWHERE

CONTINUED ON NEXT PAGE

STORM SEWER PIPE

PROJECT NUMBER	CATEGORY	PIPE RUN	STRUCT	-	STRUCT	UPSTREAM INVERT	DOWNSTREAM INVERT	608.0342 STORM SEWER PIPE CLASS III 42-INCH (LF)	608.3612 STORM SEWER PIPE CLASS III-B 12-INCH (LF)	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH (LF)	608.3618 STORM SEWER PIPE CLASS III-B 18-INCH (LF)	608.3624 STORM SEWER PIPE CLASS III-B 24-INCH (LF)	608.3630 STORM SEWER PIPE CLASS III-B 30-INCH (LF)	SPV.0090.21 STORM SEWER PIPE CLASS III-B PERFORATED 18-INCH WITH 10-FOOT TRENCH WIDTH (LF)	SPV.0090.22 STORM SEWER PIPE CLASS III-B PERFORATED 18-INCH WITH 14-FOOT TRENCH WIDTH (LF)	SPV.0090.23 STORM SEWER PIPE CLASS III-B PERFORATED 24-INCH WITH 14-FOOT TRENCH WIDTH (LF)	SPV.0090.24 STORM SEWER PIPE CLASS III-B PERFORATED 30-INCH WITH 10-FOOT TRENCH WIDTH (LF)	SPV.0090.25 STORM SEWER PIPE CLASS III-B PERFORATED 42-INCH WITH 10-FOOT TRENCH WIDTH (LF)	310.0110 BASE AGGREGATE OPEN-GRADED (TON)*	645.0112 GEOTEXTILE TYPE DF SCHEDULE B (SY)
5849-00-11	0010	P39B	39.2	-	39.1	919.68	918.96		10											
		P39C	39.3	-	39.0	918.52	920.20				21									
		P39D	39.4	-	39.3	921.00	920.20				57									
		P41A	41.2	-	41.0	916.04	916.74					7								
		P41B	41.1	-	41.2	917.50	917.40		10											
		P41C	41.3	-	41.2	917.20	916.79		42											
		P41D	41.4	-	41.3	918.87	918.72		16											
		P42A	42.1	-	42.0	914.50	915.61					24								
		P42B	42.2	-	42.1	915.91	915.50		22											
		P42C	42.3	-	42.0	914.69	915.36					23								
		P42D	42.4	-	42.3	916.68	916.58		10											
		P42E	42.5	-	42.3	916.95	915.69		37											
		P45A	45.1	-	45.0	906.28	905.22					7								
		P45B	45.2	-	45.1	906.47	906.03			45										
		P45C	45.3	-	45.2	906.81	906.72		9											
		P45D	45.4	-	45.2	906.86	906.47			39										
		P45E	45.5	-	45.4	907.45	907.11		35											
		P100	11.0	-	10.0	1002.13	997.86				87									
		P101	12.0	-	11.0	1012.11	1002.13							207					629	699
		P102	13.0	-	12.0	1019.70	1012.11							170					517	577
		P103	14.0	-	13.0	1022.48	1019.70							195					593	659
		P104	16.0	-	14.0	1028.89	1022.48				140									
		P200	17.0	-	18.0	1026.17	1014.51				270									
		P201	18.0	-	19.0	1014.51	1007.58				310									
		P202	19.0	-	20.0	1007.58	1004.05								156				640	603
		P203	20.0	-	21.0	1004.05	984.10								344				1410	1302
		P204	21.0	-	22.0	983.75	970.00								335				1374	1269
		P205	22.0	-	23.0	970.00	966.72				148									
		P206	23.0	-	24.0	966.22	965.76					37								
		P207	24.0	-	26.0	965.76	961.98					258								
		P208	26.0	-	27.0	961.98	956.84					199								
		P209	27.0	-	28.0	956.84	950.71							160					730	644
		P210	28.0	-	29.0	950.71	948.00					111								
		P211	29.0	-	30.0	948.00	942.12							324					1477	1280
		P212	30.0	-	31.0	942.12	934.97							255					1163	1013
		P213	31.0	-	32.0	934.97	924.75					188								
		P214	32.0	-	33.0	924.75	923.00					31								
		P300	36.0	-	37.0	922.23	920.86				201									
		P301	37.0	-	38.0	920.36	919.27							150					684	674
		P302	38.0	-	39.0	918.77	917.52										370		1358	1474
		P303	39.0	-	41.0	916.52	915.24	280												
		P304	41.0	-	42.0	915.24	914.11	227												
		P305	42.0	-	43.0	914.11	912.65	275												
		P307	43.0	-	45.0	912.38	904.71											213	890	808
		P308	45.0	-	46.0	904.71	896.47											288	1204	1085
		P309	46.0	-	47.0	896.38	894.34	60										108	451	421
		P310	47.0	-	48.0	894.34	893.45											299	1250	1125
		P311	48.0	-	49.0	893.45	893.00											141	589	542
							TOTAL	842	1,237	84	1,307	1,026	11	572	835	889	370	1,049	14,959	14,175

*ADDITIONAL QUANITIES LISTED ELSEWHERE

STRUCTURES, MANHOLES, AND INLETS

PROJECT NUMBER	CATEGORY	STRUCT. NO.	STATION	OFFSET	CASTING ELEVATION	SUMP ELEVATION (FT)	611.0530 MANHOLE COVERS TYPE J (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0642 INLET COVERS TYPE MS (EACH)	611.0652 INLET COVERS TYPE T (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)	611.2055 MANHOLES 5X5-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	SPV.0060.41 MANHOLE 4-FOOT DIAMETER SPECIAL (EACH)	SPV.0060.42 MANHOLE 5-FOOT DIAMETER SPECIAL (EACH)	SPV.0060.43 CATCH BASIN FILTER BAGS (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)
5849-00-11	0010	10.0	11+77.00	-16.19	1002.07	997.36	1						1							1
		10.1	11+77.95	-27.46	1001.93	994.90		1			1								1	1
		10.2	11+77.95	18.28	1002.11	995.22		1			1								1	1
		11.0	12+62.79	-30.00	1007.32	1002.13	1										1			1
		12.0	14+70.03	-30.00	1017.17	1011.61	1					1								1
		12.1	14+70.11	-17.50	1018.24	1008.30		1			1								1	1
		12.2	14+70.03	17.50	1018.24	1010.88		1			1								1	1
		13.0	16+39.84	-29.99	1023.13	1019.70	1										1			1
		13.1	16+40.04	-17.50	1024.19	1016.00		1			1								1	1
		14.0	18+35.00	-30.00	1026.89	1021.98	1					1								1
		14.1	18+35.00	-17.50	1029.39	1018.59		1			1								1	1
		14.1B	17+84.26	-17.50	1028.03	1021.16		1			1								1	1
		14.2	18+35.00	17.50	1029.39	1022.54		1			1								1	1
		16.0	19+75.04	-27.82	1032.33	1028.65	1					1								1
		16.1	19+74.94	-17.50	1033.12	1025.89		1			1								1	1
		16.2	21+35.44	34.36	1037.60	1030.61	1					1								1
		17.0	26+21.00	0.00	1030.62	1025.67	1					1								1
		17.1	26+21.15	-28.50	1030.07	1021.82		1			1								1	1
		17.2	25+37.97	-35.73	1033.49	1026.84		1			1								1	1
		17.3	26+21.00	17.50	1030.30	1022.68		1			1								1	1
		18.0	28+89.59	24.38	1019.42	1014.51	1					1								1
		18.1	28+89.46	17.50	1019.56	1011.31		1			1								1	1
		18.2	28+92.24	-27.50	1019.29	1012.26		1			1								1	1
		19.0	32+00.11	27.61	1015.00	1007.58	1					1								1
		20.0	33+56.00	24.00	1008.45	1003.55	1					1								1
		20.1	33+56.00	17.50	1008.61	1000.03		1			1								1	1
		20.2	33+56.00	-17.50	1008.61	1001.22		1			1								1	1
		21.0	37+00.00	24.00	990.11	983.25	1					1								1
		21.1	37+00.00	17.50	989.29	979.55		1			1								1	1
		21.2	37+00.00	-17.50	989.29	980.89		1			1								1	1
		22.0	40+34.85	25.99	975.97	969.50	1						1							1
		22.1	40+35.10	19.50	975.17	965.57		1			1								1	1
		22.2	40+26.53	-22.55	975.11	968.01		1			1								1	1
		23.0	42+08.96	-21.29	971.62	966.10	1					1								1
		23.1	42+19.97	-41.65	970.46	963.31				1	1								1	1
		23.2	42+18.78	-51.73	970.33	963.40				1	1								1	1
		24.0	42+41.65	-9.60	971.22	965.76	1								1					1
		24.1	42+56.22	-34.69	970.34	963.56		1			1								1	1
		24.2	41+73.65	60.12	973.43	964.33		1			1								1	1
		24.3	41+56.85	68.75	973.60	964.75		1			1								1	1
		26.0	45+00.13	21.89	967.92	961.95	1						1							1
		26.1	45+00.10	17.50	967.87	957.87		1			1								1	1
		26.2	45+10.34	17.50	967.70	960.48		1			1								1	1
		26.3	44+99.91	-19.85	967.82	959.19		1			1								1	1
		26.4	45+09.86	-20.17	967.66	959.29		1			1								1	1
		27.0	46+99.77	25.00	963.63	956.84	1					1								1
		28.0	48+60.00	24.00	956.16	950.71	1						1							1
		28.1	48+60.00	17.50	955.48	947.01		1			1								1	1
		28.2	48+60.02	-29.02	955.25	948.45		1			1								1	1
		29.0	49+70.17	24.52	953.59	947.98	1						1							1
		29.1	49+70.16	17.50	952.39	944.55		1			1								1	1
		30.0	52+94.01	24.50	948.86	941.97	1						1							1
		30.1	52+94.00	17.50	947.64	939.07		1			1								1	1
		30.2	52+94.11	-25.92	947.46	940.48		1			1								1	1
		30.3	52+94.00	-32.98	946.10	940.57			1							1				1
		31.0	55+49.00	24.50	940.62	934.86	1											1		1

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STRUCTURES, MANHOLES, AND INLETS

PROJECT NUMBER	CATEGORY	STRUCT. NO.	STATION	OFFSET	CASTING ELEVATION	SUMP ELEVATION (FT)	611.0530 MANHOLE COVERS TYPE J (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0642 INLET COVERS TYPE MS (EACH)	611.0652 INLET COVERS TYPE T (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)	611.2055 MANHOLES 5X5-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	SPV.0060.41 MANHOLE 4-FOOT DIAMETER SPECIAL (EACH)	SPV.0060.42 MANHOLE 5-FOOT DIAMETER SPECIAL (EACH)	SPV.0060.43 CATCH BASIN FILTER BAGS (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)
5849-00-11	0010	31.1	55+49.01	17.50	939.53	932.22		1			1								1	1
		32.0	57+37.03	34.42	929.78	924.75	1							1						1
		33.0	APRON ENDWALLS IN SEPARATE TABLE																	1
		34.0	58+49.84	-51.43	925.65	919.73			1							1				1
		34.1	58+83.21	-32.22	926.76	---	1													1
		34.2	58+38.96	-32.09	927.90	920.73		1			1								1	1
		36.0	58+98.25	17.50	926.48	919.23		1			1								1	1
		37.0	60+99.53	28.01	925.23	920.36	1						1							1
		37.1	60+99.05	17.50	924.47	918.27		1			1								1	1
		38.0	62+49.89	28.00	924.41	918.77	1							1						1
		38.1	62+50.00	17.50	923.64	915.09		1			1								1	1
		38.2	62+60.00	17.50	923.64	916.71		1			1								1	1
		38.3	62+50.00	-36.22	923.64	917.20		1			1								1	1
		38.4	62+60.08	-36.00	923.65	917.30		1			1								1	1
		39.0	66+20.29	23.81	925.80	916.52	1								1					1
		39.1	66+20.32	17.50	925.15	915.58		1			1								1	1
		39.2	66+10.33	17.50	925.18	916.68		1			1								1	1
		39.3	66+31.69	41.80	925.70	916.70			1							1				1
		39.4	66+87.40	56.53	925.95	918.00			1							1				1
		41.0	69+00.00	24.00	923.90	915.24	1								1					1
		41.1	69+09.98	17.50	923.15	914.50		1			1								1	1
		41.2	69+00.00	17.00	923.23	913.04		1			1								1	1
		41.3	69+00.00	-24.71	923.07	914.20		1			1								1	1
		41.4	69+00.00	-41.00	921.71	914.37			1							1				1
		42.0	71+25.00	-5.00	922.42	914.11	1							1						1
		42.1	71+20.00	-28.50	921.66	911.50		1			1								1	1
		42.2	71+15.00	-50.00	918.51	912.91			1							1				1
		42.3	71+29.00	17.50	921.60	911.69		1			1								1	1
		42.4	71+18.98	17.50	921.67	913.68		1			1								1	1
		42.5	71+00.17	40.31	922.20	913.95			1							1				1
		43.0	73+98.91	-22.04	920.05	912.38	1							1						1
		45.0	76+11.00	-34.00	913.02	904.71	1							1						1
		45.1	76+10.96	-27.40	913.17	903.03		1			1								1	1
		45.2	76+10.99	17.50	913.36	903.47		1			1								1	1
		45.3	76+02.38	17.50	913.69	903.81		1			1								1	1
		45.4	76+37.16	45.04	911.82	903.86		1			1								1	1
		45.5	76+72.16	42.02	910.55	904.45		1			1								1	1
		46.0	78+99.99	-36.49	902.36	896.38	1							1						1
		47.0	80+68.00	-36.69	899.81	894.34	1								1					1
		48.0	80+83.36	-335.73	898.87	893.45	1							1						1
							33	53	7	2	55	11	7	7	4	7	2	1	55	96

3

SANITARY

PROJECT NUMBER	CATEGORY	STATION - STATION	OFFSET	SPV.0090.12 SANITARY SEWER PIPE 8-INCH (LF)	SPV.0090.13 SANITARY SEWER LATERAL 4-INCH (LF)	SPV.0090.14 SANITARY SEWER LATERAL 8-INCH (LF)	SPV.0060.26 SANITARY LATERAL CLEANOUT (EACH)	SPV.0060.27 SANITARY SEWER STRUCTURE 4-FOOT DIAMETER (EACH)	SPV.0060.28 REMOVE EXISTING SANITARY SEWER STRUCTURE (EACH)	SPV.0060.29 CONNECT TO EXISTING SANITARY SEWER STRUCTURE (EACH)	SPV.0060.30 RECONSTRUCT BENCH AND FLOWLINES (EACH)	SPV.0060.31 SANITARY SEWER LATERAL ELECTRONIC MARKER (EACH)	611.8110 ADJUSTING MANHOLE COVERS (EACH)	SPV.0060.32 ADJUST SANITARY SEWER STRUCTURE WITH RISERS (EACH)	SPV.0090.18 EXTEND EXISTING SANITARY LATERAL TO NEW RIGHT-OF-WAY (LF)	SPV.0090.19 REMOVE ABANDONED SANITARY SEWER (LF)	SPV.006044 CONNECT TO EXISTING SANITARY SEWER MAIN (EACH)
5849-00-12	0010	21+35.44	21.43' RT						1								
		30+00.00 - 34+00.00		400													
		34+00.00 - 38+00.00		400													
		38+00.00 - 42+00.03		361													
		71+88.55 - 74+79.27		290													
		30+00.00	2.59' LT		38												
		30+74.56	0.09' LT		36												
		31+95.18	2.23 RT		34												
		33+20.51	1.39 RT		43												
		38+92.00	3.86 LT		31												
		45+64.57	18.96 LT		88												
		46+54.44	21.43 LT		76												1
		55+80.50	15.94 LT		66												1
		73+94.70	30.96 RT		21												
		42+00.03	65.43 LT							1	1		1				
		45+64.56	18.96 LT							1	1		1				
		49+08.98	27.19 LT							1	1						
		59+57.36	15.20 LT										1				
		73+60.47	30.38 RT							1	1		1				
		42+00.03	3.61 LT					1									
		45+64.56	0.8 RT					1									
		49+08.98	0.41 RT					1									
		71+88.55	24.97' RT					1									
		49+09.00	27.19' LT			95											
		30+74.56	0.09' LT									1					
		31+95.18	2.23' RT									1					
		33+20.51	1.39' RT									1					
		38+92.00	3.86' LT									1					
		45+64.57	18.96' LT									1					
		46+54.44	21.43' LT									1					
		49+09.00	27.19' LT									1					
		55+80.50	15.94' LT									1					
		73+94.70	30.96' RT									1					
		13+85.66	22.7' RT											1			
		17+86.04	20.88' RT											1			
		49+08.98	27.19' LT											1			
		50+72.74	25.15' LT											1			
		54+31.32	20.21' LT											1			
		58+27.91	10.26' RT											1			
		63+92.59	20.76' LT											1			
		66+59.41	28.43' LT											1			
		74+79.27	31.82' RT											1			
		57+79.34	17.82' LT												14		
		17+86.04 - 21+35.44														350	
		21+35.44 - 25+03.07														368	
		67+72	29.5' RT				1										
		TOTAL		1,451	433	95	1	4	1	4	4	9	4	9	14	718	2

CONSTRUCTION STAKING UTILITIES

PROJECT NUMBER	CATEGORY	SPV.0105.04 CONSTRUCTION STAKING WATERMAIN (LS)	SPV.0105.05 CONSTRUCTION STAKING SANITARY SEWER (LS)
5849-00-12	0010	1	1
	TOTAL	1	1

WATERMAIN TABLE I

PROJECT NUMBER	CATEGORY	STATION -	STATION	OFFSET	SPV.0060.36 UTILITY LINE OPENING (ULO) (EACH)	SPV.0090.02 ABANDON EXISTING WATERMAIN (LF)	SPV.0090.03 WATERMAIN 6-INCH (LF)	SPV.0090.04 WATERMAIN 8-INCH (LF)	SPV.0090.05 WATERMAIN 10-INCH (LF)	SPV.0090.06 WATERMAIN 12-INCH (LF)	SPV.0060.35 INSTALL VALVE BOX ON EXISTING CURB BOX (EACH)	SPV.0060.12 FIRE HYDRANT (EACH)	SPV.0060.14 RELOCATE EXISTING FIRE HYDRANT (EACH)	SPV.0060.15 WATER VALVE 6-INCH (EACH)	SPV.0060.16 WATER VALVE 8-INCH (EACH)	SPV.0060.17 WATER VALVE 10-INCH (EACH)	SPV.0060.18 WATER VALVE 12-INCH (EACH)
5849-00-12	0010	71+75.24		35.07' LT	1												
		66+42.96		44.84' RT	1												
		10+95.00 -	11+62.00			146											
		11+30.00		29' LT/RT			8										
		14+04.73		24.21' LT			16										
		18+04.61		24.00' LT			15										
		22+44.33		27.03' LT			19										
		24+88.12		21.21' RT			36										
		27+18.48		35.00' LT			13										
		31+45.05		24.26' LT/RT			5										
		35+49.23		30.20' RT			5										
		40+66.72		57.72 LT			43										
		74+65.46		26.96' RT			10										
		11+00.00 -	11+18.71					115									
		11+10.00 -	11+20.00						10								
		71+80.82 -	71+80.82						26								
		71+79.62 -	74+79.15						300								
		75+89.23 -	76+72.51						86								
		11+20.24 -	35+67.22							2470							
		71+25.00 -	71+79.06							220							
		56+70.56		30.00' LT							1						
		14+04.74		24.90' LT								1					
		18+04.59		24.21' LT								1					
		22+44.33		27.03' LT								1					
		27+13.11		35.00' LT								1					
		31+45.05		24.26' LT								1					
		11+30.00		29.00' LT								1					
		10+75.00		43.70' RT									1				
		24+78.33		22.01' RT									1				
		35+49.23		32.08' RT									1				
		40+66.72		57.72 LT									1				
		71+78.85		38.12' RT									1				
		74+65.46		26.96' RT									1				
		11+20.24		42.00' LT										1			
		14+04.74		21.89' LT										1			
		18+04.29		21.21' LT										1			
		22+44.33		19.90' LT										1			
		24+78.20		20.02' RT										1			
		27.31.11		32.00' LT										1			
		31+44.94		21.26' LT										1			
		35+47.70		32.08' RT										1			
		74+66.10		24.00' RT										1			
		10+94.61		39.18' RT											1		
		10+95.00		37.00 RT											1		
		11+22.00		49.10 RT											1		
		71+78.85		21.87' RT												1	
		18+09.61		8.21' LT													1
		22+51.92		8.05' LT													1
		24+82.13		14.31' LT													1
		27+08.1		20.90' LT													1
		31+39.55		10.52' LT													1
			TOTAL		2	146	170	115	422	2,690	1	6	6	9	3	1	5

WATERMAIN TABLE II

PROJECT NUMBER	CATEGORY	STATION - STATION	OFFSET	SPV.0060.19 ADJUST EXISTING VALVE BOX (EACH)	SPV.0060.20 REMOVE EXISTING VALVE (EACH)	SPV.0060.21 CONNECT TO EXISTING WATERMAIN (EACH)	SPV.0060.23 ADJUST WATER CURB BOX (EACH)	SPV.0060.24 ADJUST WATERMAIN AT UTILITY CROSSING (EACH)	SPV.0060.25 TEMPORARY WATERMAIN CONNECTION (EACH)	SPV.0090.07 COPPER WATER SERVICE 1-INCH (LF)	SPV.0090.08 COPPER WATER SERVICE 1.5-INCH (LF)	SPV.0090.09 WATERMAIN INSULATION (LF)	SPV.0090.10 ROCK EXCAVATION WATERMAIN (LF)	SPV.0090.16 REMOVE WATERMAIN (LF)	SPV.0060.13 RELOCATE VALVE (EA)	SPV.0090.30 INSULATE EXISTING WATERMAIN (LF)
5849-00-12	0010	40+92.00	95.29' LT	1												
		40+95.01	101.0' LT	1												
		41+58.15	21.84' LT	1												
		41+59.56	13.51' LT	1												
		56+71.00	27.00 LT	1												
		60+22.41	27.02' LT	1												
		60+25.87	29.46' LT	1												
		66+40.34	33.11' LT	1												
		71+28.59	38.58' LT	1												
		74+84.41	21.19' RT	1												
		76+07.22	23.34' RT	1												
		24+87.88	18.88' LT		1											
		11+55.00	40.20' RT		1											
		10+94.61	39.18' RT			1										
		11+22.11	49.10' LT			1										
		22+56.92	23.96' RT			1										
		35+67.22	35.67' RT			1										
		74+79.15	21.28' RT			1										
		49+87.90	40.82' LT				1									
		54+50.12	25.00' LT				1									
		56+70.45	26.50' LT				1									
		61+38.51	42.79' RT				1									
		61+40.52	42.00' RT				1									
		68+04.28	31.00' RT				1									
		69+85.22	46.00' LT				1									
		78+29.76	27.43' RT				1									
		66+42.23	23.96' RT					1								
		66+42.96	44.84' RT					1								
		10+91.95							1							
		12+02.09								44						
		12+84.79								42						
		13+35.00								62						
		14+26.88								56						
		15+35.00								40						
		16+15.02								52						
		16+95.08								41						
		18+94.53								40						
		20+53.57								42						
		20+80.07								31						
		22+25.07								30						
		23+75.06								39						
		26+15.21								32						
		27+31.92								31						
		29+84.58								24						
		30+65.61								23						
		31+75.05								23						
		33+10.15								32						
		34+80.00								44						
		38+80.00								71						
		45+37.12								26						
		45+37.12								21						
		55+90.36								60						
		58+10.00								60						
		74+05.11								41						
		45+34.43									85					
		11+77.25	8.17' LT									8				
		14+70.03	7.99' LT									8				

CONTINUED ON NEXT PAGE

WATERMAIN TABLE II

PROJECT NUMBER	CATEGORY	STATION	- STATION	OFFSET	SPV.0060.19 ADJUST EXISTING VALVE BOX (EACH)	SPV.0060.20 REMOVE EXISTING VALVE (EACH)	SPV.0060.21 CONNECT TO EXISTING WATERMAIN (EACH)	SPV.0060.23 ADJUST WATER CURB BOX (EACH)	SPV.0060.24 ADJUST WATERMAIN AT UTILITY CROSSING (EACH)	SPV.0060.25 TEMPORARY WATERMAIN CONNECTION (EACH)	SPV.0090.07 COPPER WATER SERVICE 1-INCH (LF)	SPV.0090.08 COPPER WATER SERVICE 1.5-INCH (LF)	SPV.0090.09 WATERMAIN INSULATION (LF)	SPV.0090.10 ROCK EXCAVATION WATERMAIN (LF)	SPV.0060.39 ADJUST HYDRANT (EACH)	SPV.0090.16 REMOVE WATERMAIN (LF)	SPV.0060.13 RELOCATE VALVE (EA)	SPV.0090.30 INSULATE EXISTING WATERMAIN (LF)
5849-00-12	0010	12+84.75		30.39' LT									8					
		15+35.12		15.57' LT									8					
		16+95.09		30.39' LT									8					
		18+05.00		16.90' LT									8					
		18+35.00		7.99' LT									8					
		18+94.60		20.29' LT									8					
		20+04.00		7.93' LT									16					
		26+15.27		28.69' LT									8					
		26+21.00		20.9' LT									8					
		28+91.72		19.93' LT									8					
		33+56.00		9.95' LT									8					
		35+35.14		24.0' RT									8					
		38+79.90		23.82' RT									8					
		41+50.73		30.84' LT													8	
		45+37.09		22.52' RT									8					
		49+26.35		23.62' RT													8	
		52+94.00		37.00' RT													8	
		54+49.88		24.37' RT													8	
		55+27.34 -	56+47.83	N/A													160	
		55+88.19		26.66' RT									8					
		61+39.93		27.93' RT													8	
		62+50.00		28.8' LT													8	
		66+42.23		23.96' RT													8	
		66+42.96		44.84' RT													8	
		68+04.60		23.64' RT													8	
		69+00.00		36.08' LT													8	
		71+17.65		38.63' LT													8	
		71+78.10		10.37' LT													8	
		75+89.23 -	76+72.51												86			
		76+16.00		21.63' RT													8	
		21+81.22 -	25+01.26											325				
		75+89.23 -	76+72.51															
		22+56.00 -	24+88.00												267			
		11+22.11		49.10' LT		1												
		35+67.22		35.67' RT												1		
		71+79.06		1.03' RT												1		
				TOTAL	11	3	5	8	2	1	1,007	85	144	325	353	2	264	

TRANSPORTATION PROJECT PLAT TITLE SHEET

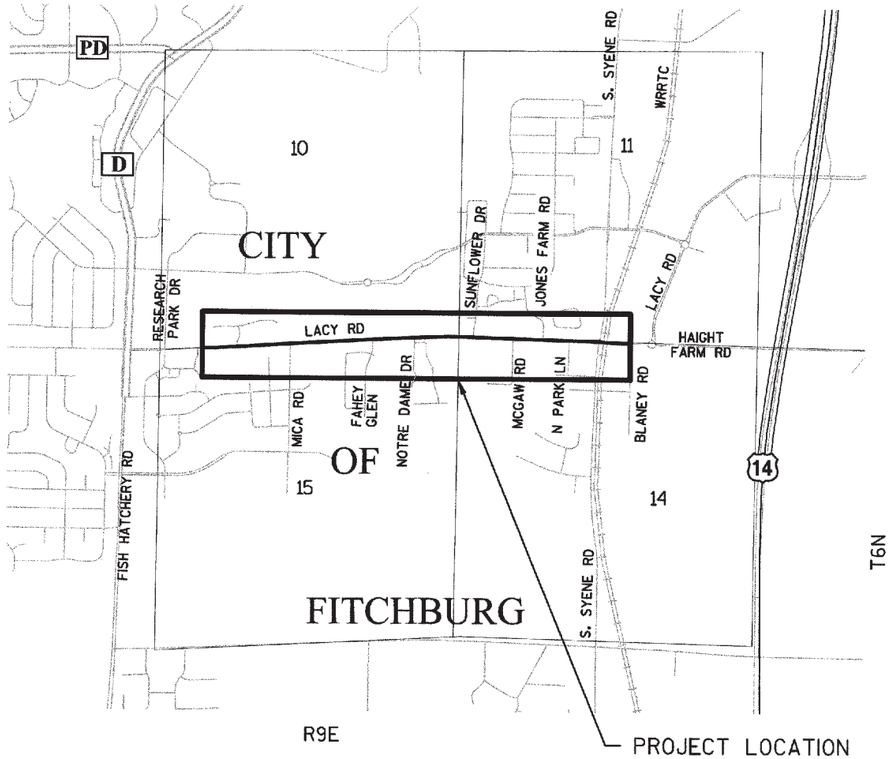
PROJ NO. 5849-00-09

CITY OF FITCHBURG, LACY RD

(RESEARCH PARK DR - SYENE RD)

LOCAL STREET

DANE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER	
QUARTER LINE		NOTATION FOR COMBUSTABLE FLUIDS	CAUTION
SIXTEENTH LINE		NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES	CAUTION
NEW REFERENCE LINE		R/W MONUMENT	●
NEW R/W LINE		NON-MONUMENTED R/W POINT	○
EXISTING R/W LINE		FOUND IRON PIN	IP
PROPERTY LINE	P.L.	VALVE (GAS, WATER, ETC.)	⊘ (TYPE)
LOT, TIE & OTHER MINOR LINES		SIGN	SIGN
CORPORATE LIMITS		OFF-PREMISE SIGN	94-25 SIGN
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	W (TYPE)		
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)			
TEMPORARY LIMITED EASEMENT AREA			
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)			
TRANSMISSION STRUCTURES			
BUILDING			
NATIONAL GEODETIC SURVEY MONUMENT			
SIXTEENTH CORNER MONUMENT			

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED (BY ACQUISITION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	
BRIDGE	
PARCEL NUMBER	25
UTILITY NUMBER	201

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

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

LAYOUT

SCALE 0 ½ MI

GN

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5849-00-09

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" STEEL REBAR WITH DOT CAP), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE 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, 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 DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE 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 DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

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, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF FITCHBURG.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG ROUTE HAS BEEN ESTABLISHED FROM SOURCES SHOWN ON TPP SHEETS

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN BASED ON THE FOLLOWING POINTS OF REFERENCE: SOURCES SHOWN ON TPP SHEETS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5849-00-09-4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040101_TI - TPP 5849-00-09.DWG
APPRAISAL PLAT DATE : APPRAISALPLATDATE
PLOT DATE : 4/27/2016 11:38 AM
PLOT BY : DAVID YAHNKE PLOT NAME :
4090-07 21 4.01

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY. Document No. 5235391

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
1	CITY OF FITCHBURG	FEE, TLE	626	0	626	10605
3	CLYDE L ELVORD AND SHELLY D ELVORD	TLE	0	0	0	660
4	NANCY L GALLAGHER	TLE	0	0	0	785
7	FOREST GLEN OWNERS ASSOCIATION	TLE	0	0	0	2084
8	FLENARD K COUNCIL AND BRENDA S COUNCIL	TLE	0	0	0	1319
9	THOMAS C WERNER AND KATHLEEN M LEMKE	TLE	0	0	0	1319
11	JACQUITH H MORRIS AND BARBARA B MORRIS	FEE, TLE	1648	4009	5657	2419
12	JOSEPH E RIPPENKROEGER AND KATHERINE E PTASZEK	FEE, TLE	1455	3923	5378	2376
13	MICHAEL N HOLMES AND PAULA L BROWN	FEE, TLE	1377	3923	5300	1566
14	ANDRAE LLC	FEE, TLE	1278	3923	5201	1188
16	GUION R & EVE ELIZABETH VAN RENSSELAER	FEE, TLE	334	4677	5011	1561
17	GUION VAN RENSSELAER	FEE, TLE	2846	11385	14231	9905

801 MADISON GAS & ELECTRIC CO.
PARCEL 1
PRESCRIPTIVE
PARCEL 17
DOC.4246422

802 AT&T
PARCEL 1, 3
PRESCRIPTIVE

804 CHARTER COMMUNICATIONS
PARCEL 1
PRESCRIPTIVE

806 CITY OF FITCHBURG
PARCEL 1
DOC.1722241

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.01

PART OF LOT 1, CSM 5223, LOCATED IN, AND INCLUDING PART OF, THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND ALSO FOREST GLEN CONDOMINIUM LOCATED IN, AND INCLUDING PART OF, THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 10 AND ALSO PART OF OUTLOT 1, CSM 11459 LOCATED IN, AND INCLUDING PART OF, THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND PART OF LOT 1, CSM 3459 LOCATED IN THE NORTHWEST AND NORTHEAST 1/4'S OF THE NORTHWEST 1/4 AND ALSO PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 15, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22 WISCONSIN STATUTES.

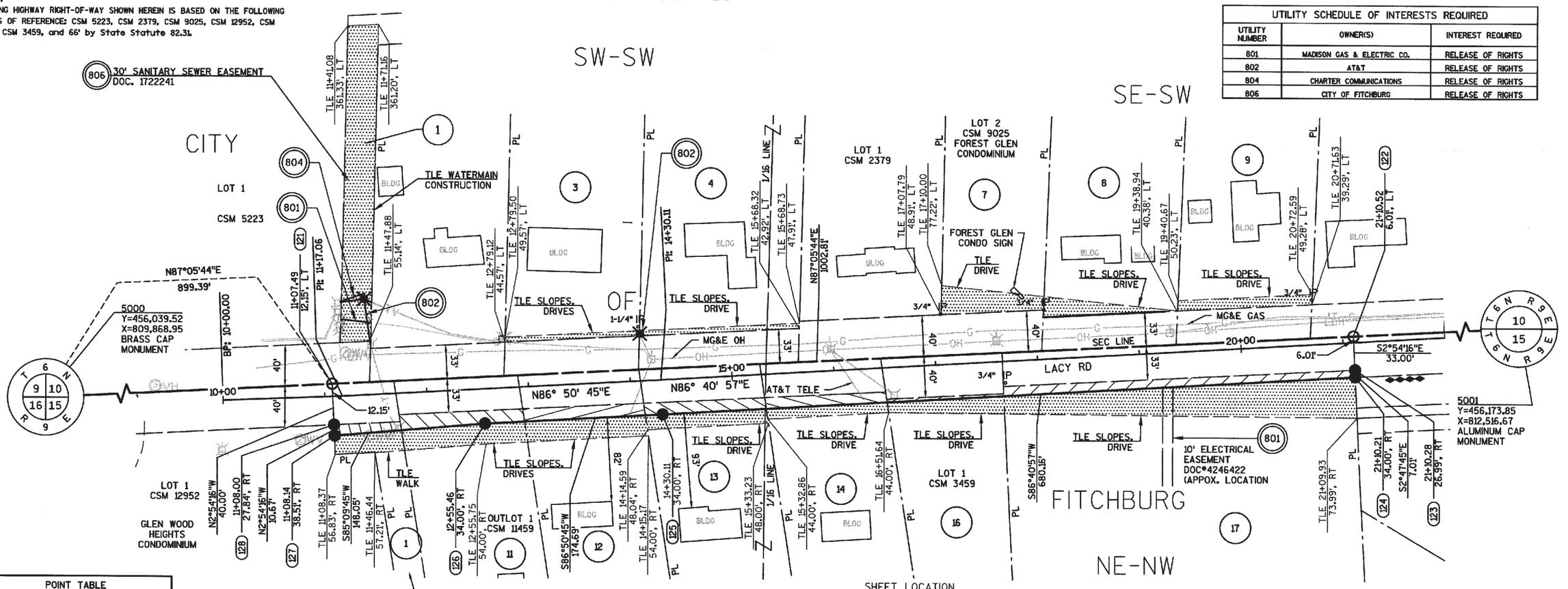
Office of Register of Deeds
Dane County, Wisconsin
Received for Record May 18
20 16 at 2:06 o'clock P M
and recorded in vol. 60-05 48
of Plats on pages 28 Sets
Kristi Chlebowski By Jodi M Apfel
Deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:___

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 5223, CSM 2379, CSM 9025, CSM 12952, CSM 11459, CSM 3459, and 66' by State Statute 82.31.

UTILITY SCHEDULE OF INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
802	AT&T	RELEASE OF RIGHTS
804	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
806	CITY OF FITCHBURG	RELEASE OF RIGHTS



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
121	456085.089	810767.183
122	456135.901	811768.701
123	456102.944	811770.373
124	456095.945	811770.715
125	456056.585	811091.698
126	456046.973	810917.268
127	456034.488	810769.750
128	456045.140	810769.210

SHEET 1 OF 2

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 MADISON, WI LAND SURVEYOR

SIGNATURE: _____ DATE: 05/17/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: _____ DATE: 5/18/16
PRINT NAME: CITY ENGINEER, CORY HOF

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040101_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 5/5/2016 7:51 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : **********

---------- ---------- 4.01

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
19	WELTON ENTERPRISES, INC.	TLE	0	0	0	225
21	ALFRED FRANK & JOANN GERTRUDE RUSSELL LIVING TRUST	TLE	0	0	0	1320
22	STEPHEN L OLSON AND JANA R OLSON	TLE	0	0	0	2220
23	LIN S ROHDE-GIOVANNI	TLE	0	0	0	1132
24	WILLIAM P BOYD LIVING TRUST	TLE	0	0	0	1002
26	FITCHBURG RESEARCH PARK ASSOC LTD PARTNERSHIP	TLE	0	0	0	374
27	CITY OF FITCHBURG UTILITY DISTRICT #1	TLE	0	0	0	7161
28	ANTOINE C RIOS	TLE	0	0	0	910
29	BROCK JONES	TLE	0	0	0	2187
31	GARY PARMAN AND CARRIE PARMAN	TLE	0	0	0	2186
1	CITY OF FITCHBURG	FEE, TLE	650	0	650	746

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 2960, CSM 9025, FIRST ADDITION TO QUARRY HILL, AND 66' BY STATE STATUTE 82.31.
ACCESS RESTRICTED BY: FIRST ADDITION TO QUARRY HILL

UTILITY SCHEDULE OF INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
806	CITY OF FITCHBURG	RELEASE OF RIGHTS

801 MADISON GAS & ELECTRIC CO.
PARCEL 29
DOC. 2152418

806 CITY OF FITCHBURG
PARCEL 22
DOC.3847161

CITY

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.02

PART OF LOTS 1 AND 2, CSM 2960 AND OUTLOT 1, CSM 9025 LOCATED IN AND INCLUDING PART OF SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 10 AND ALSO PART OF LOTS 1 AND 2, CSM 7718 AND OF LOTS 92, 93, 110 AND OUTLOT 9, 1ST ADDITION TO QUARRY HILL, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 15, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

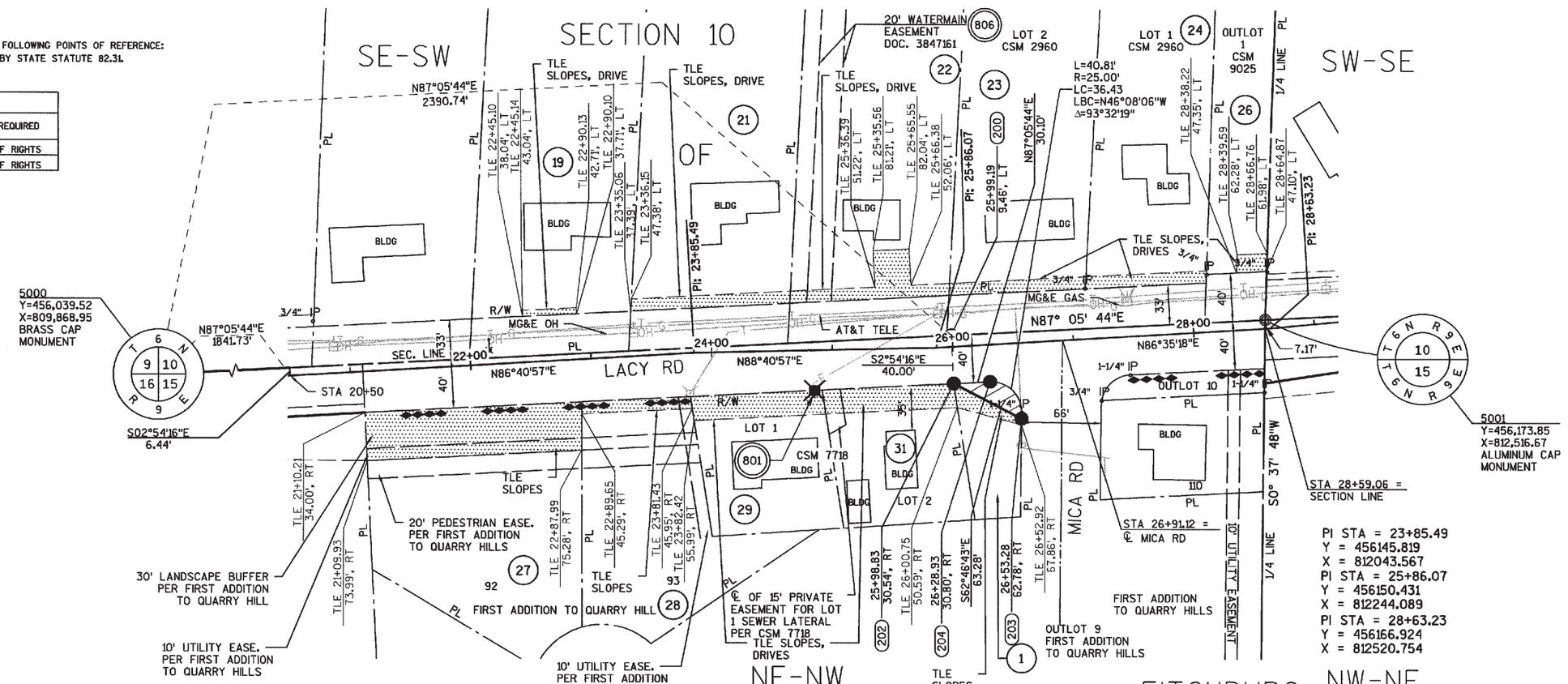
RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 23rd May
20 16 at 2:09 o'clock P M
and recorded in vol. 60-055B
of Plats on page 289
as Document No. by Deputy
Register
Doc#5236209

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:---



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
200	456160.656	812256.621
202	456120.708	812258.650
203	456091.764	812314.917
204	456122.233	812288.710

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

SIGNATURE: _____ DATE: 05/18/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: _____ DATE: 05/23/16
PRINT NAME: CITY ENGINEER, CORY HOFTAN

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
34	STEPHEN G EISELE AND CAROL J EISELE	TLE	0	0	0	660
36	STEVEN D RACCHINI AND KIM S RACCHINI	TLE	0	0	0	741
37	JOHN H LUM	TLE	0	0	0	649
38	TERESA M SANTULLI	TLE	0	0	0	1866
39	DAVID A HUMKE AND CONNIE S HUMKE	TLE	0	0	0	3402
41	CHARLES Q & DIANNE L TREICHEL TRUST	FEE, TLE	364	1623	1987	3964
42	ELAINE LANGER ALLEN	TLE	0	0	0	1582
43	MICHAEL R MOTIFF AND THERESA M MOTIFF	FEE, TLE	1859	6300	8159	7916

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
CSM 1997, WATERFORD GLEN, 66' BY STATE STATUTE 82.31.
ACCESS RESTRICTED BY: WATERFORD GLEN

UTILITY SCHEDULE OF INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
802	AT&T	RELEASE OF RIGHTS
803	WINDSTREAM	RELEASE OF RIGHTS

801 MADISON GAS & ELECTRIC CO.
PARCELS 41, 42
PRESCRIPTIVE

802 AT&T
PARCELS 38, 39
PRESCRIPTIVE

803 WINDSTREAM
PARCELS 41, 42
PRESCRIPTIVE

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.03

PART OF LOTS 1 AND 2, CSM 1997 LOCATED IN AND INCLUDING PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 10 AND ALSO PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 15, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 23rd May
20 16 at 2:09 o'clock P M
and recorded in vol. 60-055B
of Plats on page 290
Kristi Chlebowski, Deputy
Register
Doc# 5236210

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:___

4

SECTION 10

CITY

SW-SE

5001
Y=456,173.85
X=812,516.67
ALUMINUM CAP MONUMENT

T6N R9E 10 15

1/4 LINE
N1° 49' 25"E PL
N1°49'25"E 2680.90'
STA 28+59.06= SECTION LINE
N0°37'48"E 52.47'
S0° 37' 48"W
1/4 LINE PL
STA 30+25.98= SECTION LINE
PI: 28+63.23
PI: 31+51.07
PI: 40+34.72
PC: 39+06.69
PT: 39+18.41
PI: 40+70.00
PC: 40+34.72
PT: 41+01.89
N87°05'50"E 189.89'
N87°05'50"E 939.89'
N84° 35' 18"E
N86° 52' 09"E
S2°54'10"E 33.00'
N2°54'10"W 33.00'
S87°05'50"W 49.16'
N70°19'25"E 51.35'
S2°54'28"E 41.82'
N2°54'10"W 10.06'
S87°05'50"W 189.89'
N0°37'48"E 194.09'
S81°22'10"W 194.09'
7.17'
5002
Y=456,308.89
X=815,179.76
ALUMINUM CAP MONUMENT

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
301	456183.467	812706.3170
302	456231.066	813645.0031
303	456264.023	813643.3318
304	456281.311	813691.6788
306	456233.555	813694.1046
307	456150.509	812707.9882
308	456121.383	812516.0931

PI STA = 28+63.23
Y = 456166.924
X = 812520.754

PI STA = 31+51.07
Y = 456194.071
X = 812807.315

PI STA = 40+34.72
Y = 456244.315
X = 813689.517

PI STA = 39+12.55
Y = 456235.659
X = 813567.659
DELTA = 0°55'57"
D = 7°57'28"
T = 5.86'
L = 11.72'
R = 720.00'
PC STA = 39+06.69
PT STA = 39+18.41

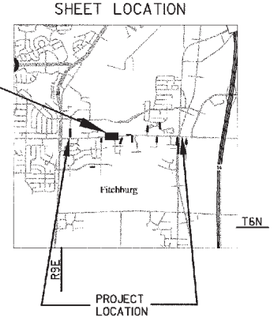
PI STA = 40+70.00
Y = 456246.815
X = 813724.709
DELTA = 43°14'51"
D = 64°22'38"
T = 35.28'
L = 67.18'
R = 89.00'
PC STA = 40+34.72
PT STA = 41+01.89

SECTION 15

NW-NE

FITCHBURG

SHEET LOCATION



SCALE, FEET
0 50 100

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

SIGNATURE: _____ DATE: 05/18/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: _____ DATE: 05/23/16
PRINT NAME: CITY ENGINEER, CORY HOF

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040103_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 5/18/2016 3:45 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : **********

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
46	FITCHBURG RESEARCH PARK ASSOC LTD PARTNERSHIP	FEE, TLE	5721	14850	20571	18501
48	JENNIFER E WINGERT AND DANIEL J WINGERT	TLE	0	0	0	383
49	KAYE COOKE AND SAMUEL L COOKE III	FEE, TLE	2239	0	2239	7828
					0	
51	JOSEPH P RUEDEN AND KAREN W RUEDEN	TLE	0	0	0	3678

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: WATERFORD GLEN, CSM 3060, 66' by State Statute 82.31. ACCESS RESTRICTED BY: WATERFORD GLEN

UTILITY SCHEDULE OF INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
803	WINDSTREAM	RELEASE OF RIGHTS

801 MADISON GAS & ELECTRIC CO.
PARCEL 46
PRESCRIPTIVE

803 WINDSTREAM
PARCEL 46
PRESCRIPTIVE

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.04

PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 10 AND ALSO PART OF LOT 56, PLAT OF WATERFORD GLEN, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 AND PART OF LOTS 1 AND 2, CSM 3060 LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 15, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

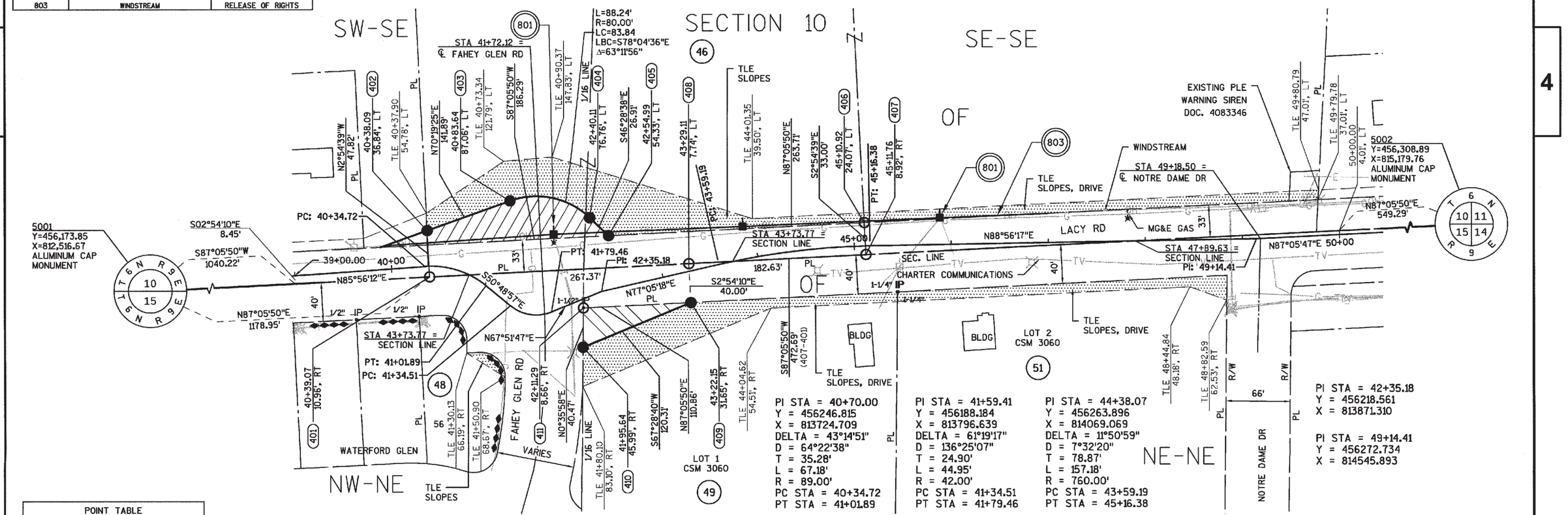
RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY,
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 23rd May
20 16 at 2:09 o'clock P M
and recorded in vol. 60-054B
of Plats on page 291
Kristi Chlebowski, Deputy
Register
Doc#5236211

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:___



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
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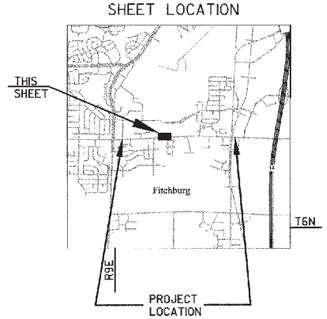
402	456281.311	813691.679
403	456311.799	813776.939
404	456294.478	813858.967
405	456275.947	813878.479
406	456289.302	814141.854
407	456256.345	814143.530
408	456247.096	813961.133
409	456207.147	813963.158
410	456161.062	813852.021
411	456201.533	813852.445

SHEET LOCATION



GN
SCALE, FEET
0 50 100

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

SIGNATURE: [signature] DATE: 05/18/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: [signature] DATE: 05/23/16
PRINT NAME: CITY ENGINEER, CORY HORTON

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040104_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 5/18/2016 3:46 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : **********

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
52	MARJORIE M BLANEY	TLE	0	0	0	5729
53	GANSHERT NURSERY & LANDSCAPES	FEE, TLE	18	2178	2196	2292
54	PAUL J GANSHERT	FEE, TLE	3108	6600	9708	3680
1	CITY OF FITCHBURG	FEE, TLE	2943	0	2943	9243
57	"THE CROSSING HOME OWNER'S ASSOCIATION"	TLE	0	0	0	426
58	SAMUEL L COOKE III AND KAYE COOKE	TLE	0	0	0	1194

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 11844, CSM 53A, CSM 12222, CSM 445, SWAN CREEK OF NINE SPRINGS, SUNFLOWER ESTATES, 66' BY STATE STATUTE 82.31.

UTILITY SCHEDULE OF INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
804	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
806	CITY OF FITCHBURG	RELEASE OF RIGHTS

(801) MADISON GAS & ELECTRIC CO.
PARCEL 52
DOC. 1627372
PARCELS 54, 1
PRESCRIPTIVE

(804) CHARTER COMMUNICATIONS
PARCEL 54, 1
PRESCRIPTIVE

(806) CITY OF FITCHBURG
PARCEL 57
CSM 11844
15' PLATTED
PARCEL 1
PRESCRIPTIVE

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.05

PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 10 AND ALSO PART OF LOT 1 OF CSM 53A AND PART OF OUTLOT 1, PLAT OF SWAN CREEK OF NINE SPRINGS LOCATED IN, AND INCLUDING PART OF, THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 11 AND ALSO PART OF THE CROSSING CONDOMINIUM LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 15, AND ALSO PART OF LOT 2, CSM 12222 AND PART OF LOT 2, CSM 445, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 14, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

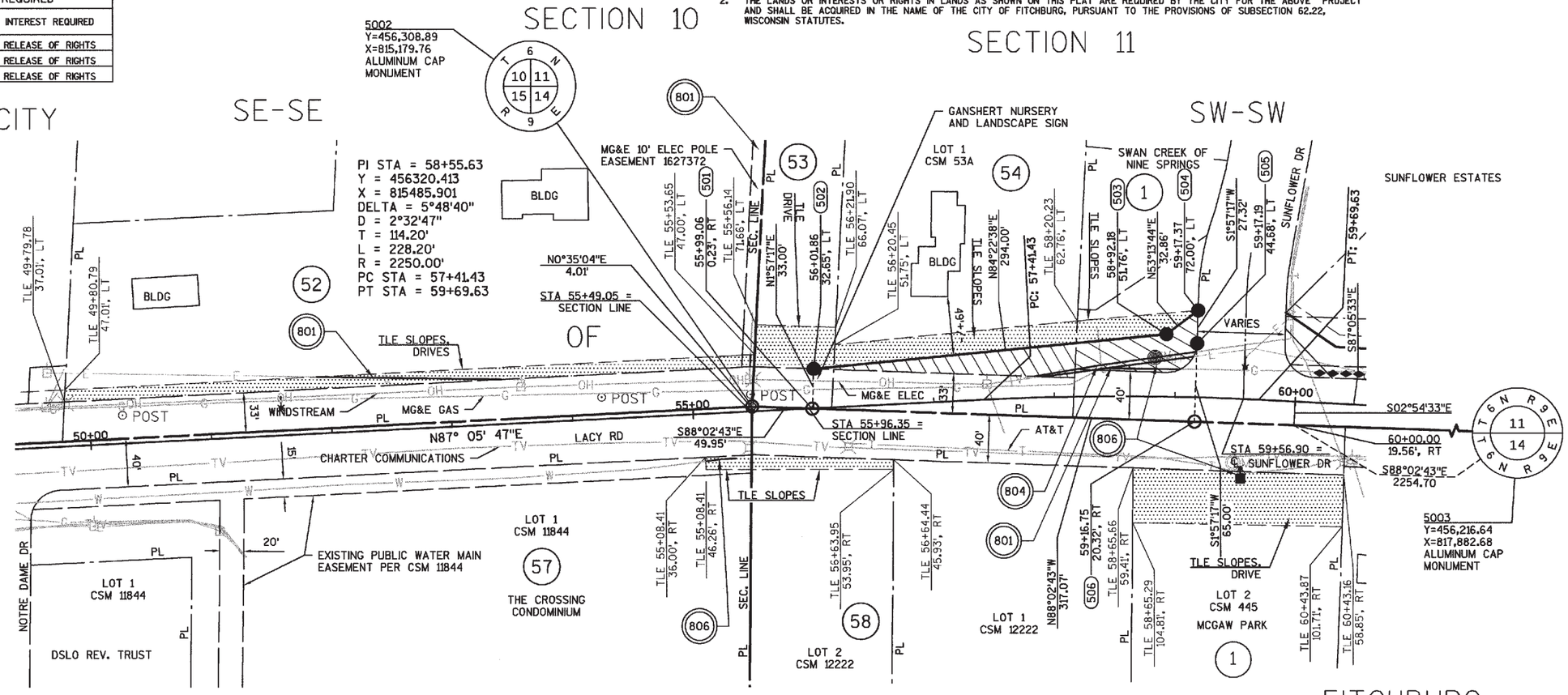
RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 23rd May
20 16 at 2:09 o'clock P M
and recorded in vol. 60-055B
of Plats on page 292
Kristin Hasse Boyum, Dane County Deputy
Register
Doc# 5236212

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER _____
AMENDMENT NO:___



POINT TABLE		
POINT #	Y COORDS	X COORDS
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502	456340.167	815230.8045
503	456368.972	815523.3900
504	456388.642	815549.7108
505	456361.334	815548.7788
506	456296.371	815546.5617

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

SIGNATURE: _____ DATE: 05/18/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: _____ DATE: 05/23/16
PRINT NAME: CITY ENGINEER, CORY HORTON

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040105_RP.DWG
PLOT DATE : 5/18/2016 3:47 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF	PLE SF
59	GREAT DANE DEVELOPMENT LLC	FEE, TLE	9895	0	9895	16491	0
61	RYAN L ASCHE, et al	TLE	0	0	0	1150	0
1	CITY OF FITCHBURG	TLE	0	0	0	1350	0
63	ANDREW M BRAASCH	TLE	0	0	0	579	0
64	KENNETH P MCGAW AND DENNIS S MCGAW	TLE	0	0	0	1500	0
66	GOLDLEAF FITCHBURG LLC	PLE, TLE	0	0	0	3709	100

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 10040, CSM 12125, SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS, NORTH PARK FITCHBURG, 66' BY STATE STATUTE 82.31.
ACCESS RESTRICTED BY: SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS, AND NORTH PARK FITCHBURG

(801) MADISON GAS & ELECTRIC CO.
PARCEL 59
PRESCRIPTIVE
PARCEL 1
CSM 12125

(802) AT&T
PARCEL 59
SWAN CREEK OF
NINE SPRINGS

(804) CHARTER COMMUNICATIONS
PARCEL 59
SWAN CREEK OF
NINE SPRINGS

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.06

PART OF LOT 1, PLAT OF SUNFLOWER ESTATES LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND ALSO PART OF LOTS 1 & 2, CSM 12125 LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 11 AND ALSO PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND PART OF OUTLOT 3, PLAT OF NORTH PARK FITCHBURG, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 14, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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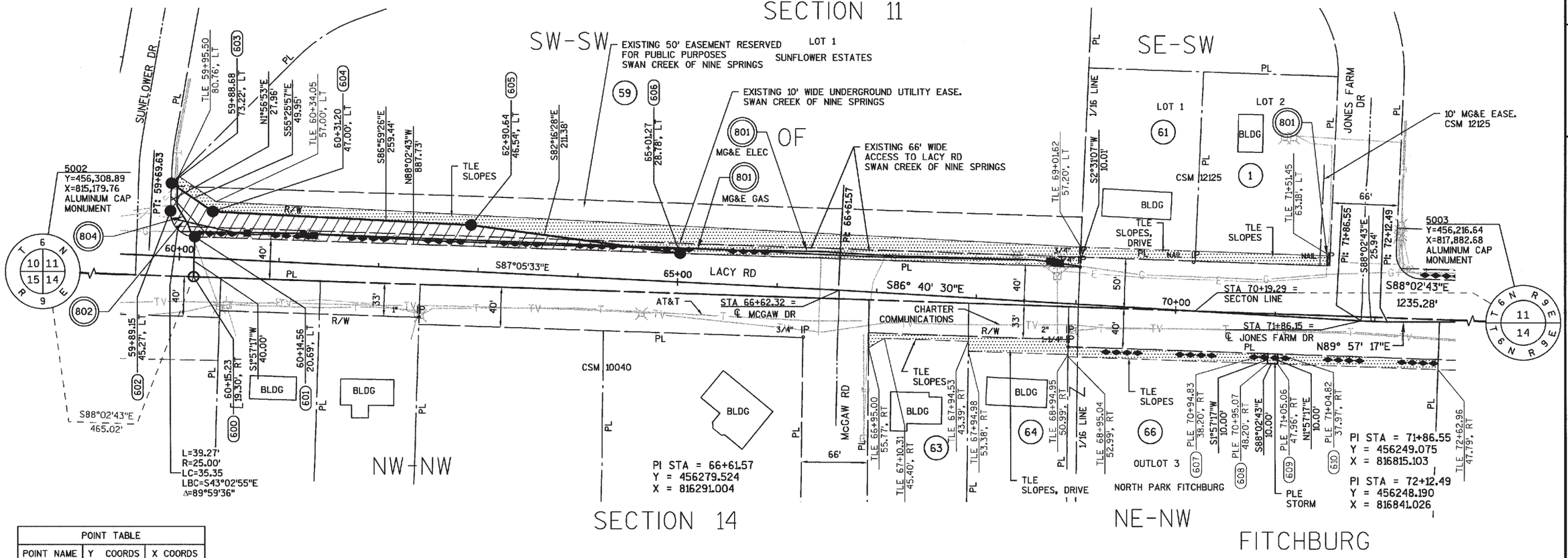
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 23rd May
20 16 at 2:09 o'clock P M
and recorded in vol. 60-05B
of Plats on page 293
Register
Doc# 5236213

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER _____
AMENDMENT NO:____



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
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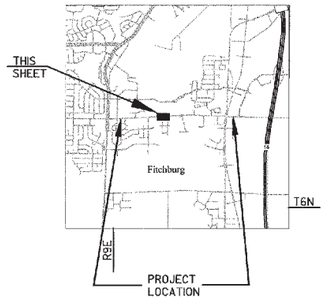
601	456333.005	815645.877
602	456358.840	815621.744
603	456386.774	815622.694
604	456358.437	815663.830
605	456344.817	815922.908
606	456316.402	816132.372

UTILITY SCHEDULE OF INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
802	AT&T	RELEASE OF RIGHTS
804	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

SHEET LOCATION



SCALE, FEET
0 50 100

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-05B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

SIGNATURE: _____ DATE: 05/18/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG
SIGNATURE: _____ DATE: 05/23/16
PRINT NAME: CITY ENGINEER, CORY HORTON

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040106_RP.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 5/18/2016 3:49 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : **********

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
71	ROBERT L. S JOHNSON	TLE	0	0	0	2001
72	GOLDLEAF FITCHBURG LLC	TLE	0	0	0	1493

TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.07

PART OF LOT 1 CSM 4154 AND PART OF LOT 2, PLAT OF NORTH PARK FITCHBURG, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALL IN TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY,
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

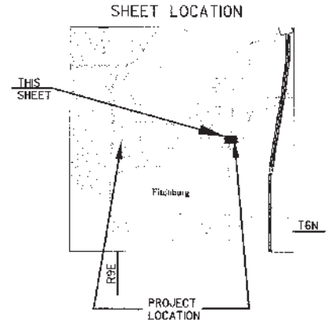
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG HEREBY ORDERS THAT:

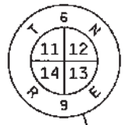
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 16, June
20 16 at 03:12 o'clock P M
and recorded in vol. 60-054B
of Plats on page 296
Register
Document # 5241330

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER _____
AMENDMENT NO:___

SHEET LOCATION





CITY

SE-SW

PI STA = 73+70.07
Y = 456248.315
X = 816998.601

PI STA = 74+70.05
Y = 456244.905
X = 817098.528

PI STA = 76+24.84
Y = 456234.230
X = 817252.948

SECTION 11

SEE 5849-00-09 4.08

SW-SE

NE-NW

SECTION 14

FITCHBURG

NW-NE

JONES FARM DR
TLE 72+26.00
53.56', LT

NORTHERN LIGHTS VILLAGE CONDOMINIUM

SWAN CREEK OF NINE SPRINGS

10' WIDE UNDERGROUND UTILITY EASE.: SWAN CREEK OF NINE SPRINGS

STA =73+27.11
SECTION LINE

N88°02'43"W
1776.92'

N89°57'17"E

S88°02'45"E

S86°02'43"E

S88°01'23"E

50' EASE. RESERVED FOR PUBLIC PURPOSES SWAN CREEK OF NINE SPRINGS

LACY RD

SEC. LINE

STA =75+13.04
SECTION LINE

STA =76+54.26
=NORTH PARK LANE

STA =82+54.87
SECTION LINE

73+00
74+00
75+00
76+00
77+00
78+00
79+00
80+00
81+00
82+00
83+00
84+00

PI: 73+70.07
PI: 74+70.05
PI: 76+24.84
EP: 84+00.05

40'
33'
60'
VARIES
4.15'

1-1/4" IP
1" IP
PL

TLE SLOPES, DRIVE
TLE SLOPES
TLE 72+62.95
47.79', RT
TLE 74+64.69
51.50', RT
TLE 76+21.67
49.97', RT

BLDG
LOT 1
CSM 4154
71

LOT 2
NORTH PARK FITCHBURG
72

NORTH PARK LN

OUTLOT 6

LOT 3
NORTH PARK FITCHBURG

OUTLOT 24
OUTLOT 23

SOUTH SYENE RD

1/4 LINE

AT&T TELE

RR BLDG

MG&E GAS

MCI

MG&E ELEC

WINDSTREAM

CHARTER COMMINICATIONS

N1° 11' 14"E

CSM 1236
LOT 1

BLDG

BLANEY RD

5002
Y=456,308.89
X=815,179.76
ALUMINUM CAP MONUMENT

5003
Y=456,216.64
X=817,882.68
ALUMINUM CAP MONUMENT

T 6 N
10 11
15 14
R 9 E

T 6 N
11
14
R 9 E

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

GN

SCALE, FEET
0 50 100

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 4154, CSM 1236, SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS, NORTH PARK FITCHBURG, TPP 5155-02-20-4.03, 66' BY STATE STATUE 82.31.
ACCESS RESTRICTED BY: SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS, AND NORTH PARK FITCHBURG

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 06/10/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG

SIGNATURE: _____ DATE 146
PRINT NAME: CITY ENGINEER, CORY HORTON

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040107_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 6/9/2016 1:48 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : **********

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TRANSPORTATION PROJECT PLAT NO: 5849-00-09 - 4.08

PART OF OUTLOTS 22, 23 AND 24, PLAT OF SWAN CREEK OF NINE SPRINGS, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, TOWN 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, CITY OF FITCHBURG, DANE COUNTY,
RESEARCH PARK DR - SYENE RD

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG 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 SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 10, June
20 16 at 03:12 o'clock P M
and recorded in vol. 60-056B
of Plats on page 297
Document Number 5241331
Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:----

OWNER'S NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
1	CITY OF FITCHBURG	TLE	0	0	0	59642

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS, CHICAGO & NORTHWESTERN RY MAP, SYENE, WIS. DATED 4-24-1899, 66' BY STATE STATUTE 82.31. ACCESS RESTRICTED BY: SUNFLOWER ESTATES, SWAN CREEK OF NINE SPRINGS

UTILITY SCHEDULE OF INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
801	MADISON GAS & ELECTRIC CO.	RELEASE OF RIGHTS
802	AT&T	RELEASE OF RIGHTS
804	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

801 MADISON GAS & ELECTRIC CO.
PARCEL 1
SWAN CREEK OF NINE SPRINGS

802 AT&T
PARCEL 1
SWAN CREEK OF NINE SPRINGS

804 CHARTER COMMUNICATIONS
PARCEL 1
SWAN CREEK OF NINE SPRINGS

5002
Y=456,308.89
X=815,179.76
ALUMINUM CAP MONUMENT

10' WIDE UNDERGROUND UTILITY EASE: SWAN CREEK OF NINE SPRINGS
50' WIDE FOR PUBLIC PURPOSES: SWAN CREEK OF NINE SPRINGS

CITY OF FITCHBURG

SEE 5849-00-09 4.07

SECTION 14 NE-NW

SECTION 11 SE-SW

SECTION 14 NW-NE

SECTION 11 SW-SE

50' 40' SEC. LINE LACY RD PL

00+08

PT: 107+69.20

S88° 01' 23"E

dl 1-1/4"

TLE 108+49.58
120.07', LT

PL

OUTLOT 24

TLE 113+15.81
170.32', LT

OUTLOT 22

SWAN CREEK OF NINE SPRINGS

TLE 113+20.80
73.68', LT

TLE SLOPES

PI STA = 113+36.79
Y = 456717.475
X = 817902.445
DELTA = 9°14'07"
D = 2°51'53"
T = 161.53'
L = 322.37'
R = 2000.00'
PC STA = 111+75.25
PT STA = 114+97.62

TLE 117+17.68
40.52', LT

OUTLOT 23

PC: 111+75.25

PT: 114+97.62

EP: 118+00.00

110+00

N11°18'26"E

VARIES

SOUTH SYENE RD

115+00

118+00

N2° 04' 19"E, R

1/4 LINE

STA 114+38.43 = SECTIONLINE

R/W

WINDSTREAM

MG&E GAS

AT&T

CHARTER COMMUNICATIONS

STA 81+74.25 LACY=
STA 108+24.65 SYENE

STA 108+28.82 SYENE =
SECTION LINE

5003
Y=456,216.64
X=817,882.68
ALUMINUM CAP MONUMENT

66'

SEC. LINE

00+48

EP: 84+00.05

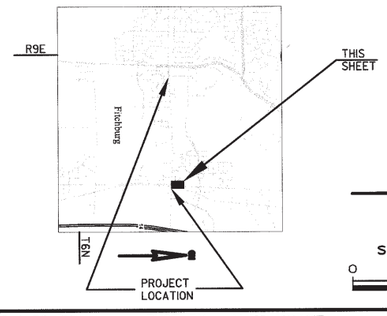
BLDG

RR BLDG

WISCONSIN RIVER RAIL TRANSIT COMMISSION

FITCHBURG

SHEET LOCATION



SCALE, FEET
0 50 100

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF TPP 5849-00-09-4.01 IN VOLUME 60-054B OF TRANSPORTATION PROJECT PLATS, PAGES 285-286, AS DOCUMENT NO. 5235391 FOR ADDITIONAL INFORMATION.

Mead & Hunt
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

CITY OF FITCHBURG

I, WILLIAM F. KOTTLER 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 CITY OF FITCHBURG, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 06/10/16
PRINT NAME: WILLIAM F. KOTTLER
REGISTRATION NUMBER: S-2348

WISCONSIN WILLIAM F. KOTTLER S-2348 CROSS PLAINS WISCONSIN LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG

SIGNATURE: _____ DATE 147 6
PRINT NAME: CITY ENGINEER, CORY HORTON

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\040109_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 6/9/2016 1:50 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : **********
---------- ---------- 4.---

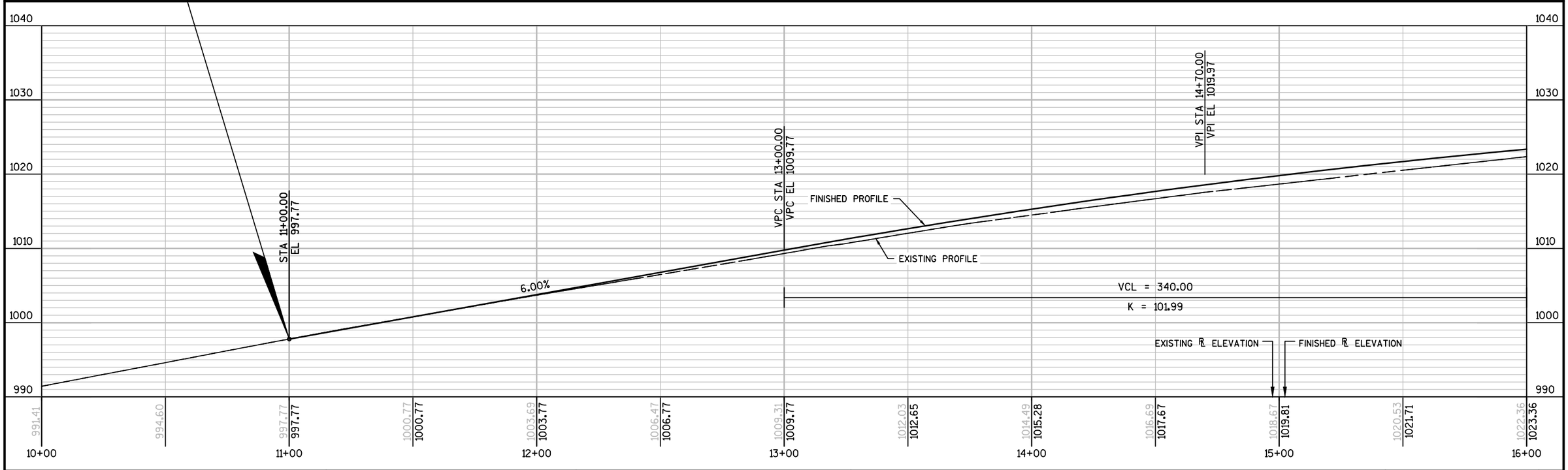
BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
1	10+73	23' RT	NE BOLT ON HYDRANT	997.43
2	11+10	95' LT	PK IN POWER POLE	1027.23

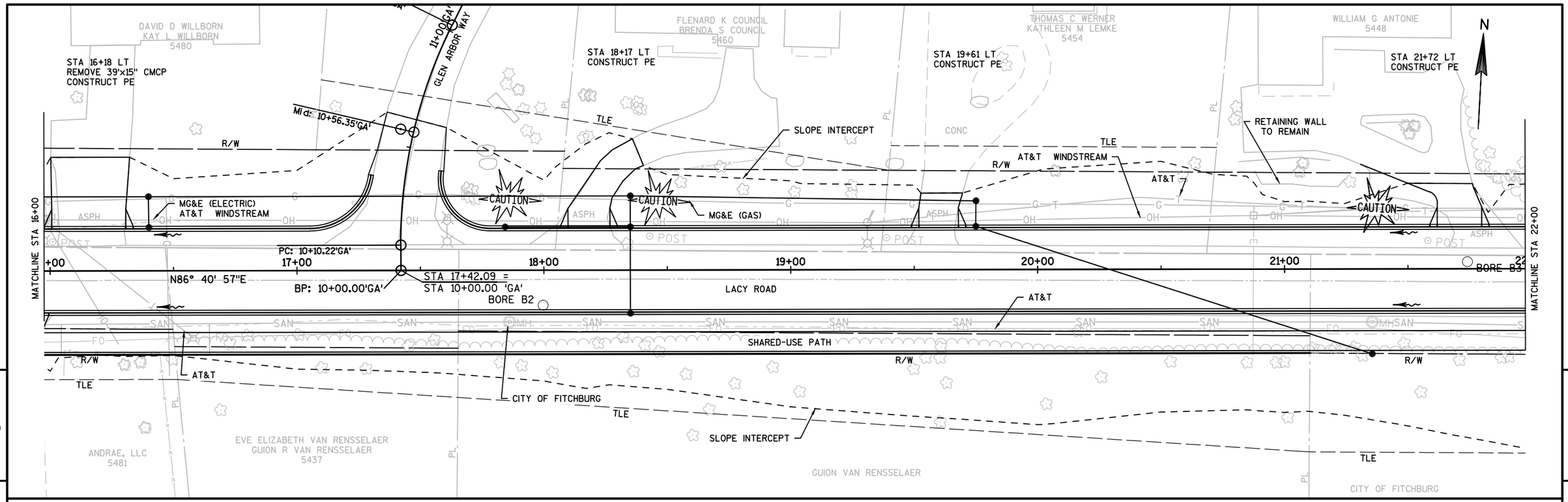
RICHARD R YAEGER 5502
CLYDE L ELVORD
SHELLY D ELVORD 5496
NANCY L CALLAGHER 5490
JACQUITH H MORRIS
BARBARA B MORRIS 5501
KATHERINE E PTASZEK
JOSEPH E RIPPENKROEGER 5497
MICHAEL N HOLMES
PAULA L BROWN 5491
ANDRAE, LLC 5481

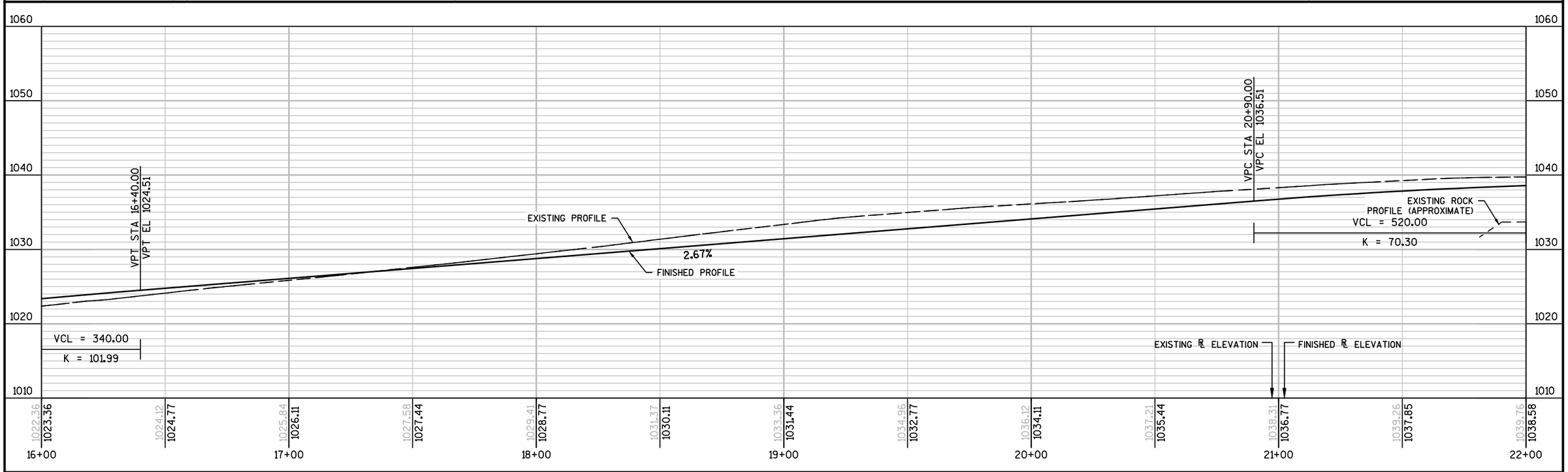
CITY OF FITCHBURG
BM 2
STA 11+66 LT
CONSTRUCT PE
CHARTER
AT&T
R/W
CAUTION
MG&E (GAS)
AT&T
BORE B1
N87° 49' 50"E
11+00
12+00
13+00
N86° 50' 45"E
LACY ROAD
STA 13+00 LT
CONSTRUCT PE
STA 13+86 LT
REMOVE 20'x15" CMCP
CONSTRUCT PE
TLE
MG&E (ELECTRIC)
AT&T
STA 14+47 LT
REMOVE 29'x15" CMCP
CONSTRUCT PE
SLOPE INTERCEPT
R/W
MG&E (ELECTRIC)
AT&T WINDSTREAM
CHARTER
14+00
15+00
16+
N86° 40' 57"E
MATCHLINE STA 16+00
N
CITY OF FITCHBURG
GLEN BROOK WAY
BM 1
AT&T
R/W
CITY OF FITCHBURG
TLE
SHARED-USE PATH
SLOPE INTERCEPT
BEGIN PROJECT
STA 11+00.00
Y = 456,072.661
X = 810,760.160
STA 12+29 RT
REMOVE 17" CONC CP
REMOVE ENDWALL
CONSTRUCT PE
STA 13+57 RT
REMOVE 15'x18" CMCP
CONSTRUCT PE
STA 14+50 RT
REMOVE 23'x15" CMCP
REMOVE 2 ENDWALLS
CONSTRUCT PE
STA 15+88 RT
REMOVE 33'x15" CMCP
REMOVE 2 ENDWALLS
CONSTRUCT PE

5



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 148	E

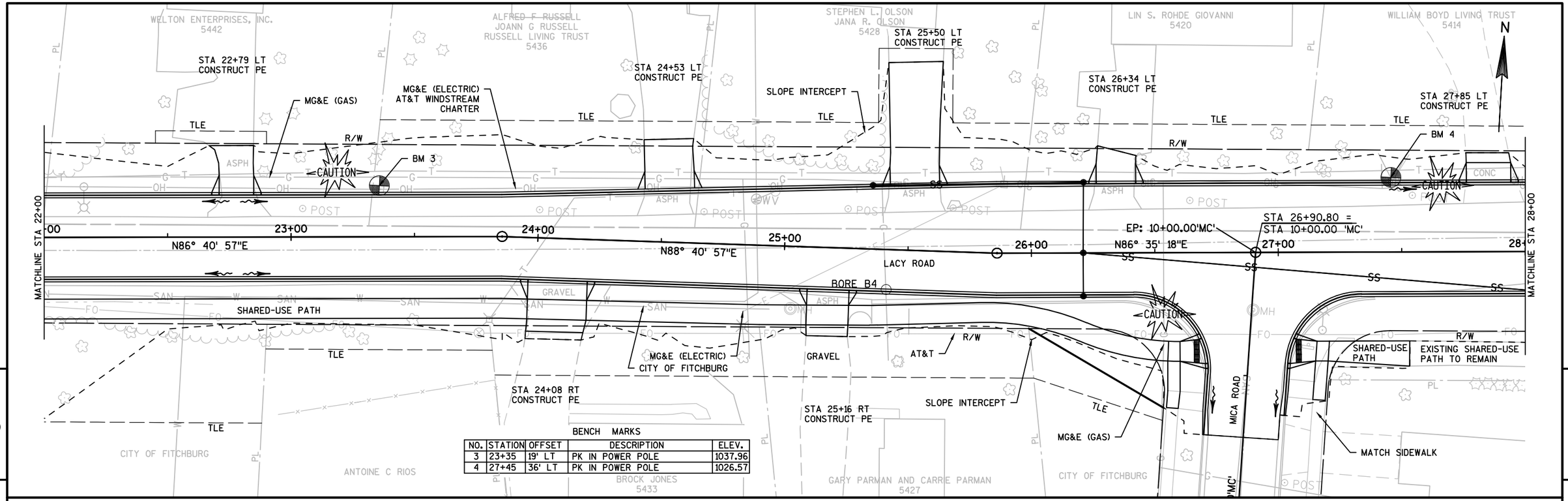




PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 149	E

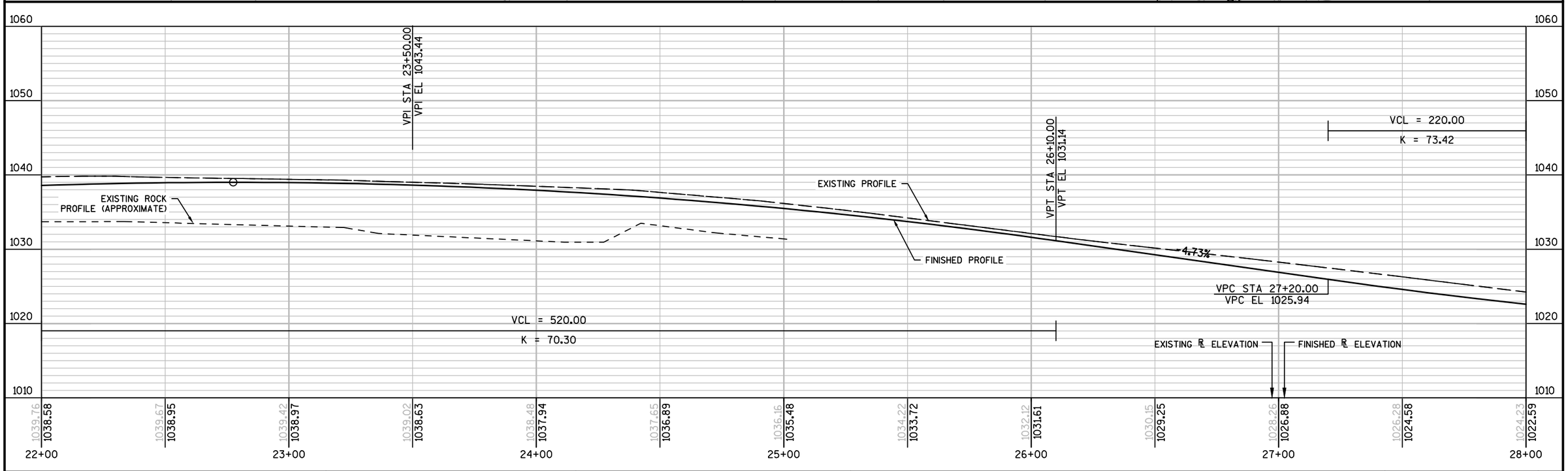
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050102_PP

PLOT DATE : 12/21/2016 8:21 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
3	23+35	19' LT	PK IN POWER POLE	1037.96
4	27+45	36' LT	PK IN POWER POLE	1026.57

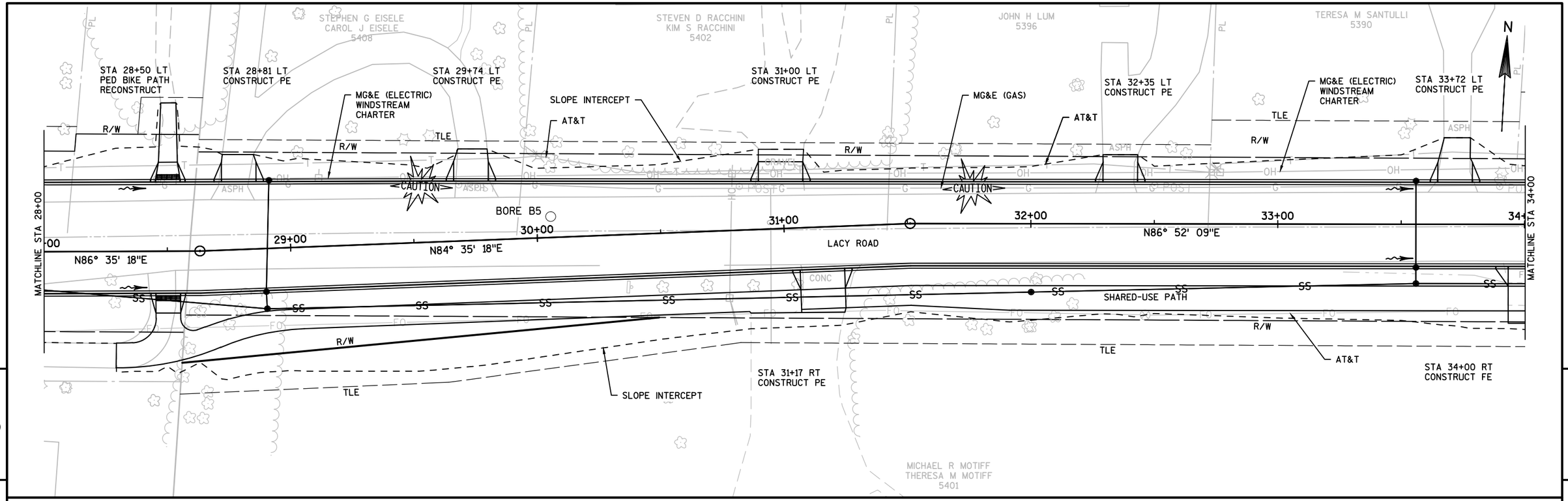


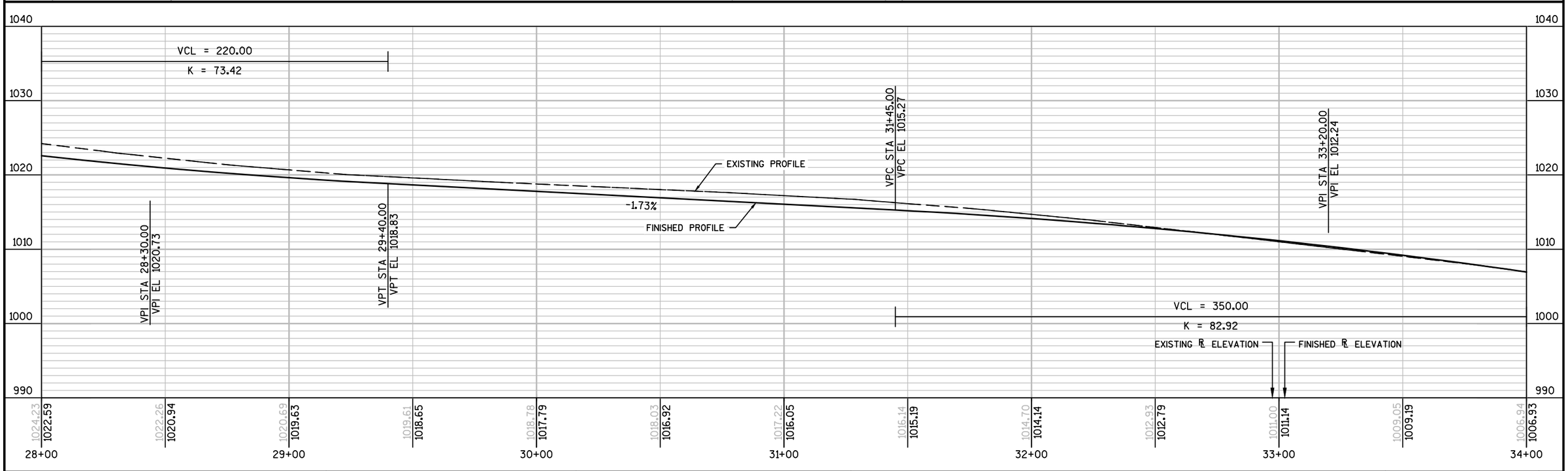
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 150 E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050103_PP

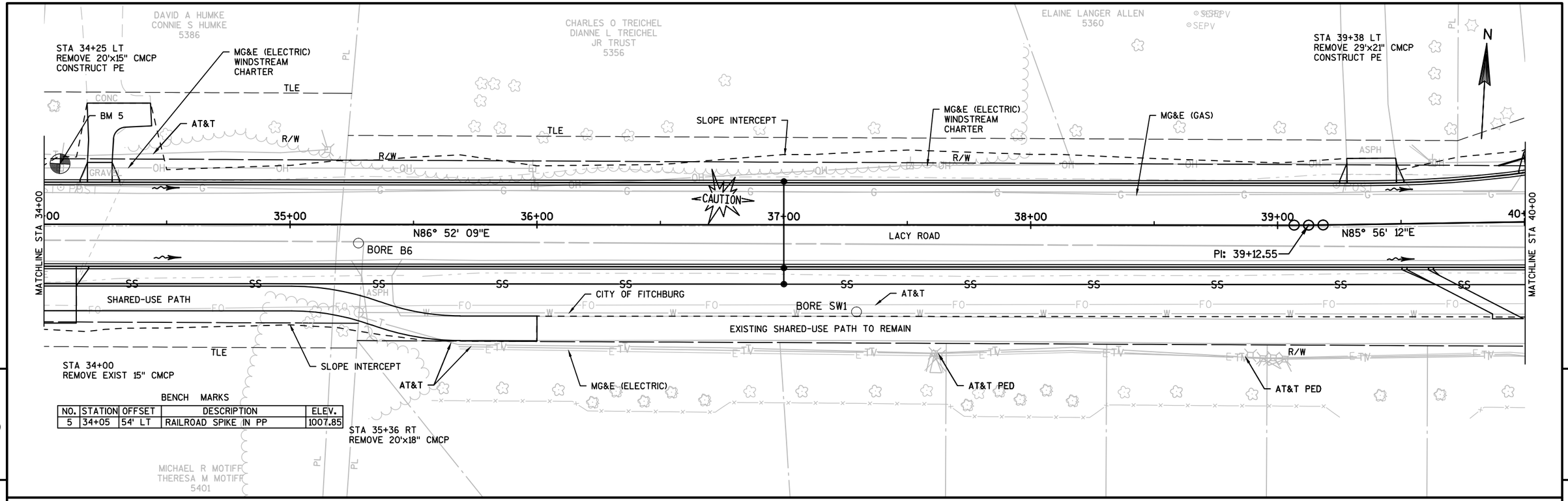
PLOT DATE : 12/21/2016 8:21 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



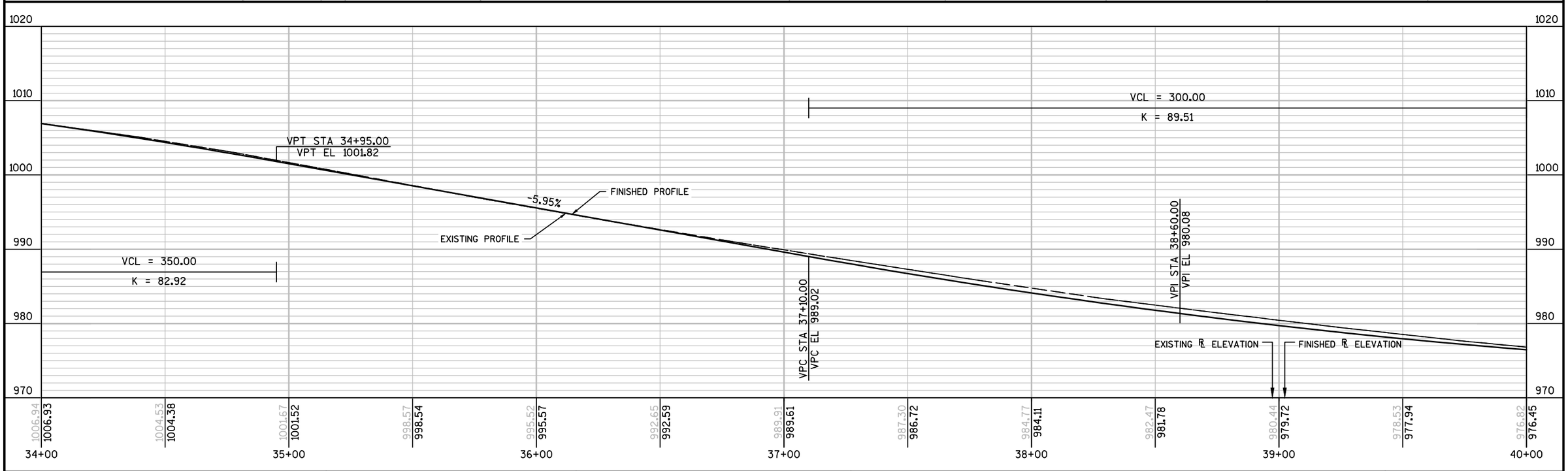


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 151	E



BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
5	34+05	54' LT	RAILROAD SPIKE IN PP	1007.85



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 152	E

BENCH MARKS				
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
6	41+13	12' RT	CHISELED "X" ON 24" RCCP	973.03

STA 40+05 LT
REMOVE 28'x21" CMCP
CONSTRUCT PE

STA 41+00 TO STA 42+00 LT
REMOVE 97'x21" CMCP

STA 41+75 RT
REMOVE 96'x21" RCCP

STA 43+91 RT
REMOVE 20'x18" CMCP
CONSTRUCT FE

STA 45+26 RT
CONSTRUCT PE

STA 45+60 RT
CONSTRUCT PE

CITY OF FITCHBURG

FITCHBURG RESEARCH PARK ASSOCIATES

SAMUEL L COOKE III
KAYE E COOKE
5335

SLOPE INTERCEPT

MG&E (ELECTRIC)
WINDSTREAM
CHARTER

MG&E (GAS)

MG&E ELECTRIC

CHARTER

BIKE PATH

PI: 40+70.00

CAUTION

N85° 56' 12"E

MATCHLINE STA 40+00

MATCHLINE STA 46+00

41+00

S50° 48' 57"E

EP: 10+00.00'FG'

42+00

PI: 41+59.41

MG&E (GAS)

PT: 9+67.58'FG'

PC: 9+41.23'FG'

CITY OF FITCHBURG

SHARED-USE PATH

POTENTIAL
HYDRANT

BM 6

AT&T PED

SLOPE INTERCEPT

LACY ROAD

43+00

N77° 05' 18"E

44+00

PI: 44+38.07

45+00

46+00

BORE B8

AT&T

SHARED-USE PATH

GRAVEL

GRAVEL

SLOPE INTERCEPT

CHARTER

MG&E ELECTRIC

R/W

TLE

SS

OH

FO

W

G

SAN

PL

ASPH

CONC

GRAVEL

5

5

1000

VCL = 300.00
K = 89.51

STA 40+87.23
EL 974.17

STA 42+27.75
EL 971.66

VPC STA 44+77.50
VPC EL 968.50

VPT STA 40+10.00
VPT EL 976.18

-2.60%

-1.79%

-1.26%

FINISHED PROFILE

EXISTING PROFILE

VCL = 305.00
K = 85.73

EXISTING ℄ ELEVATION

FINISHED ℄ ELEVATION

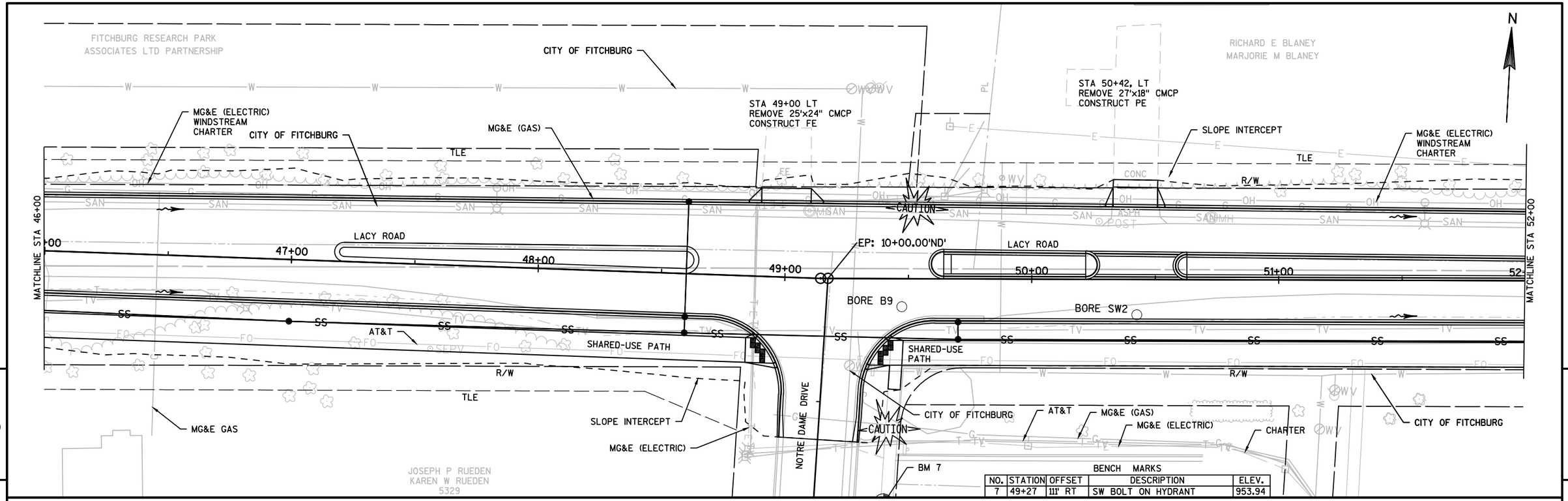
990
980
970
960
950

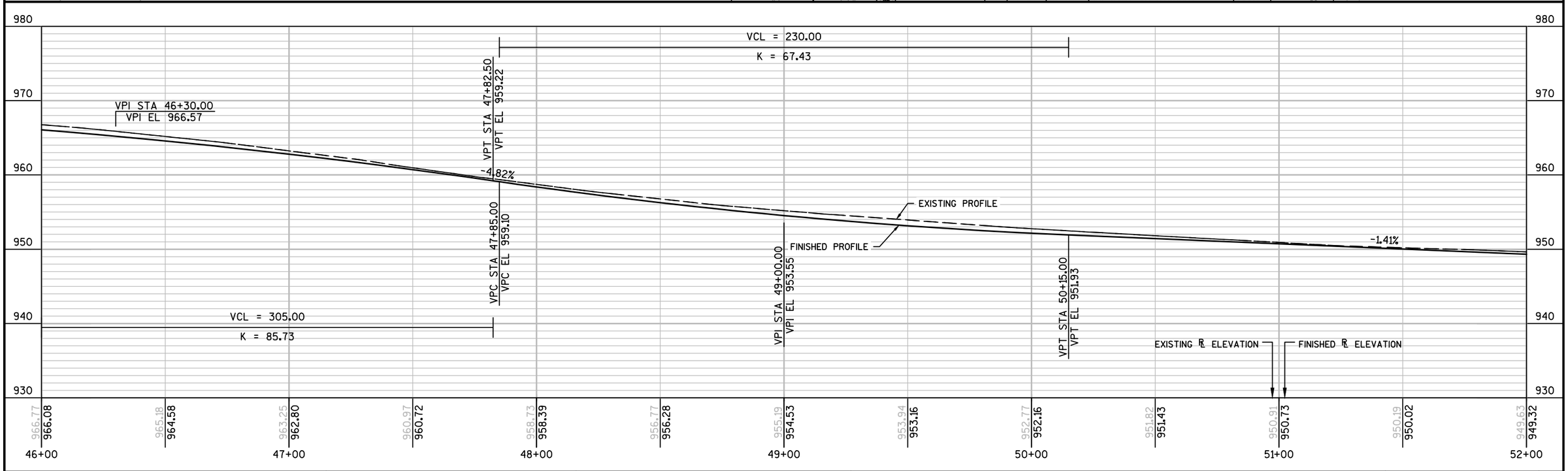
40+00	41+00	42+00	43+00	44+00	45+00	46+00
976.82 / 976.45	975.34 / 975.14	971.87 / 973.94	973.41 / 973.05	972.21 / 972.16	968.30 / 971.38	967.83 / 970.75	968.92 / 970.11	969.73 / 969.48	969.34 / 968.85	968.72 / 968.19	967.89 / 967.28	966.77 / 966.08

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 153	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050106_PP

PLOT DATE : 1/6/2017 12:18 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT



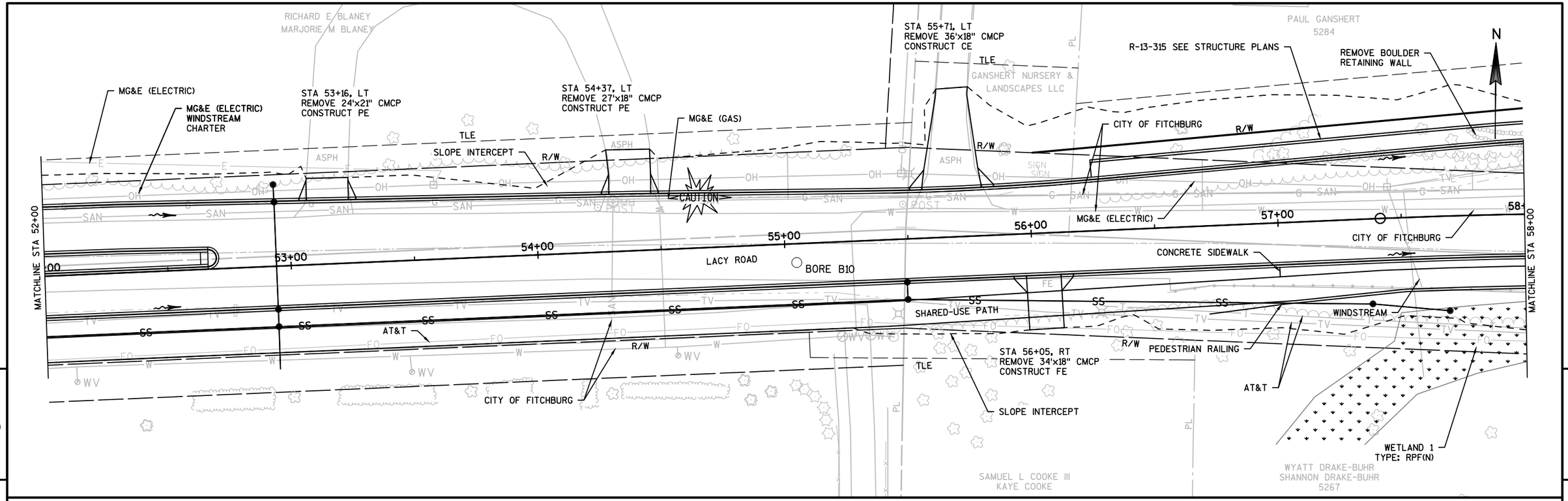


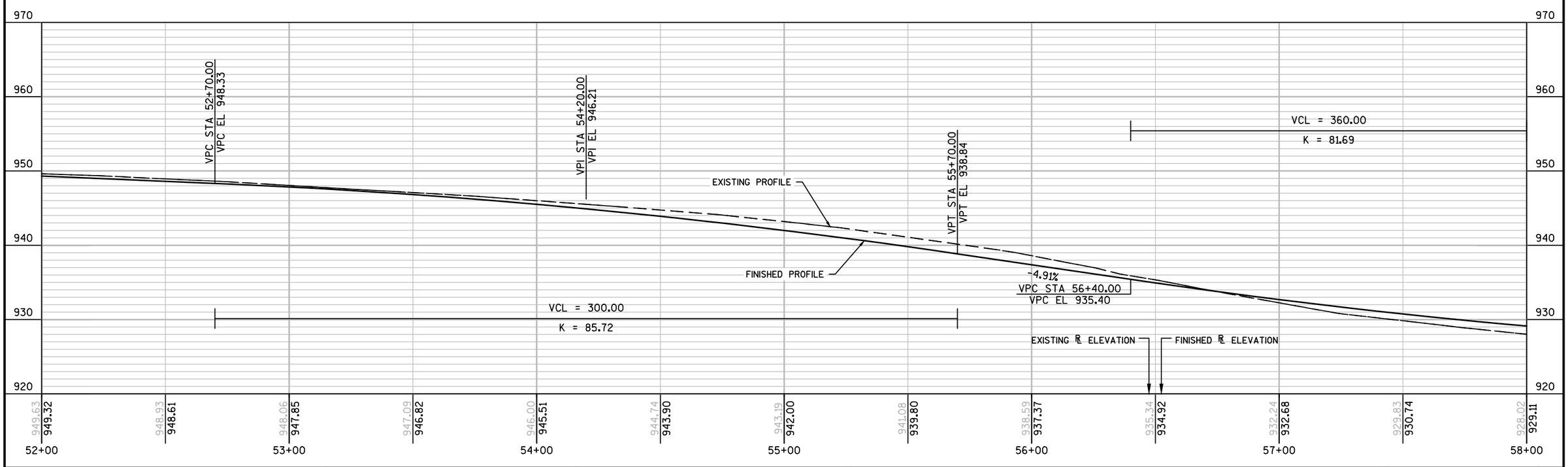
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 154	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050107_PP

PLOT DATE : 12/21/2016 8:22 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

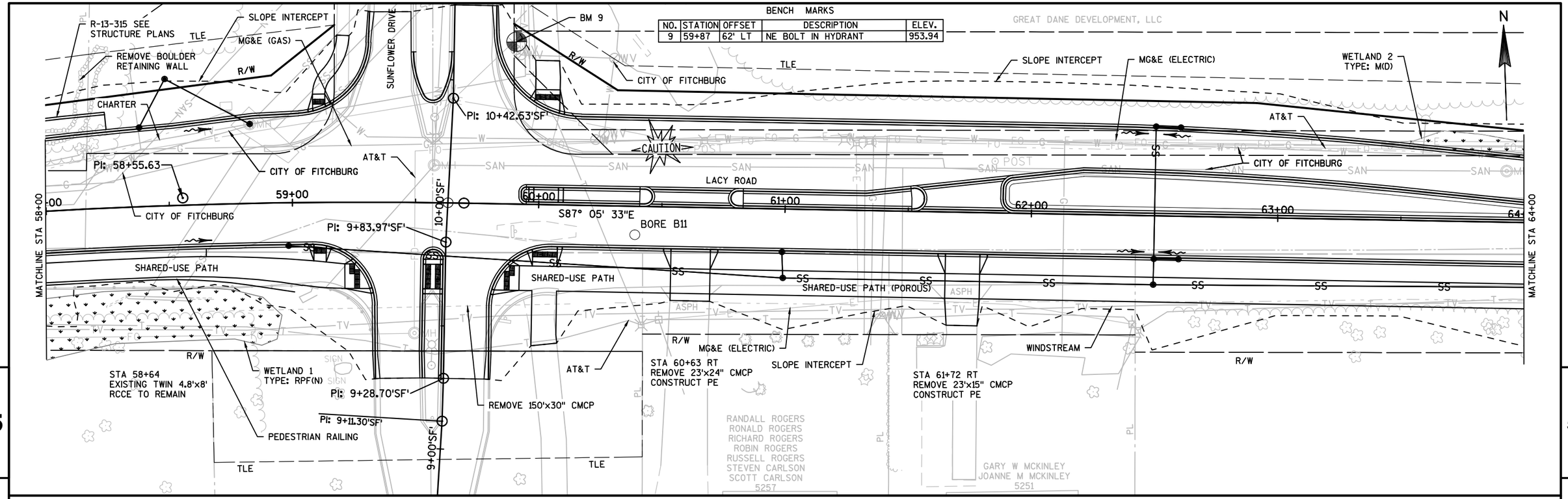
WISDOT/CADDS SHEET 44

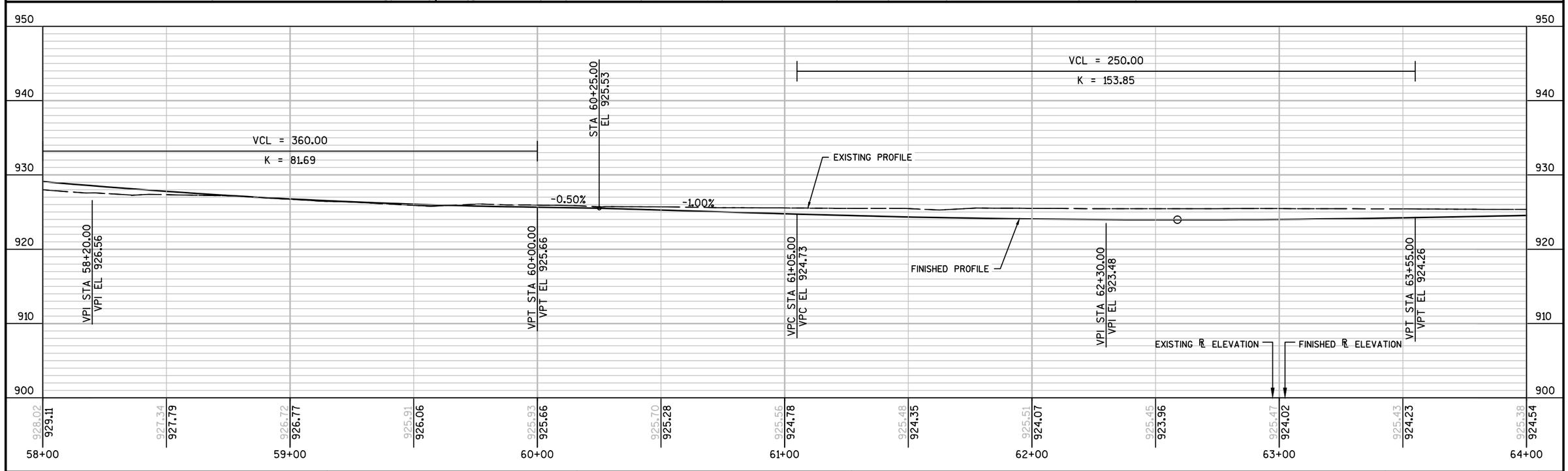




PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 155	E

BENCH MARKS				
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
9	59+87	62' LT	NE BOLT IN HYDRANT	953.94





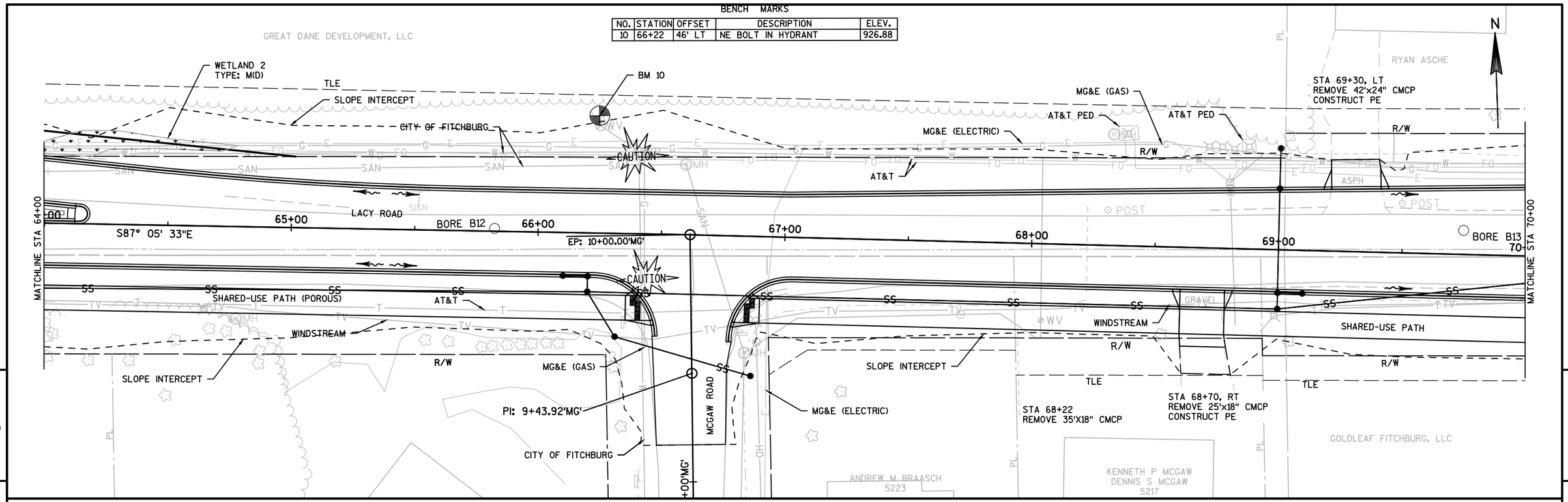
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET	E

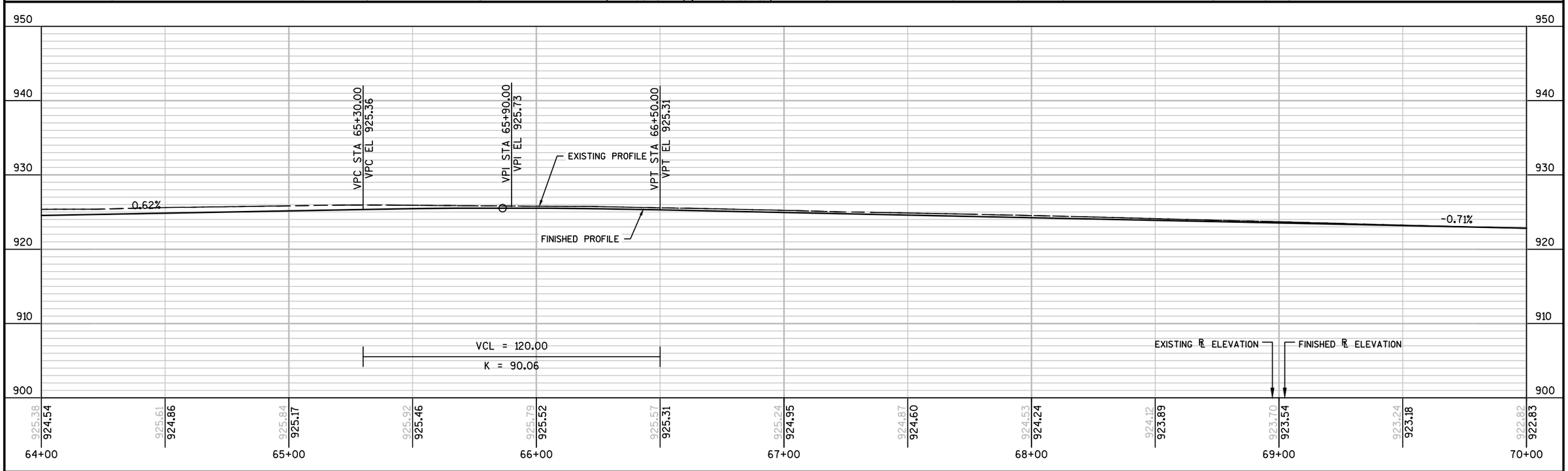
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050109_PP

PLOT DATE : 12/21/2016 8:22 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
10	66+22	46' LT	NE BOLT IN HYDRANT	926.88



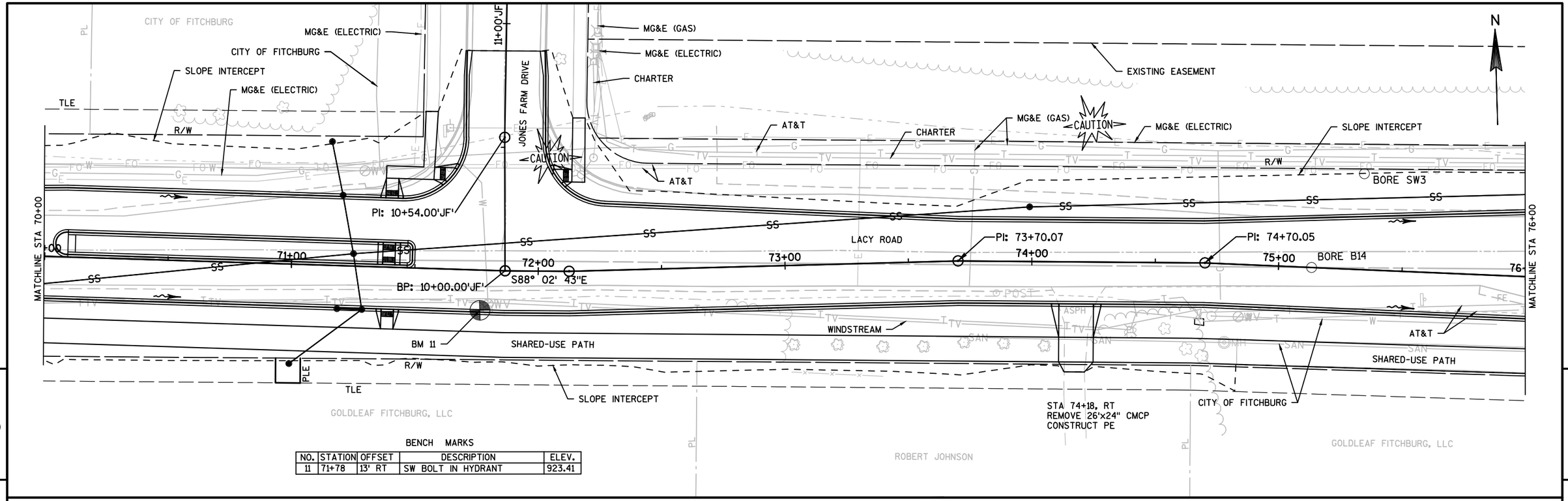


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 157	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050110_PP

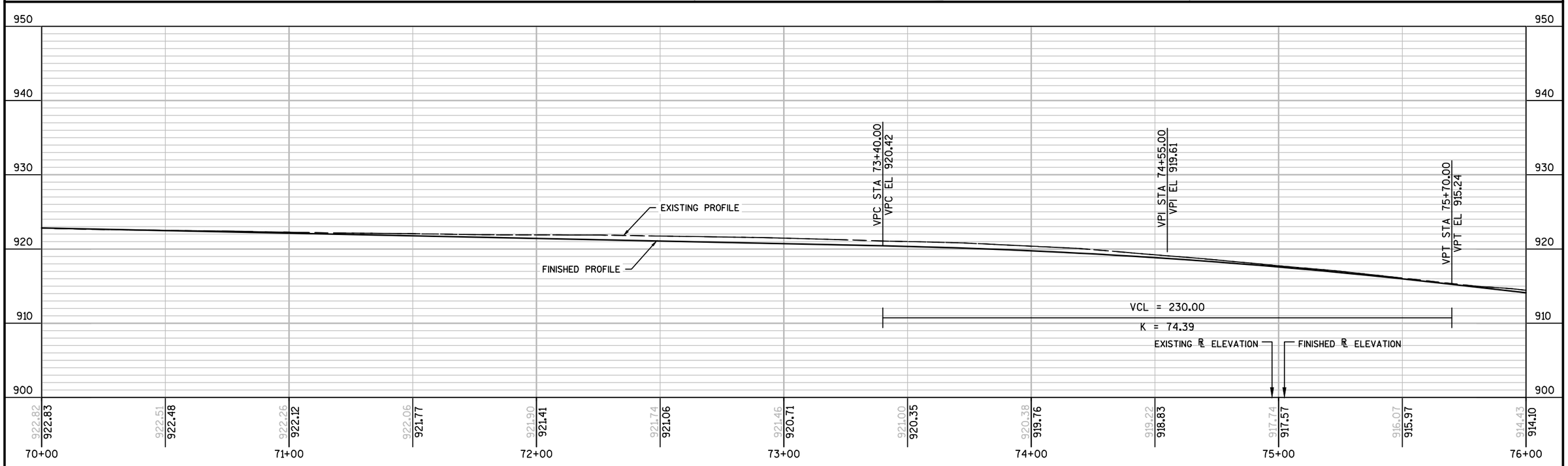
PLOT DATE : 12/21/2016 8:22 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCH MARKS

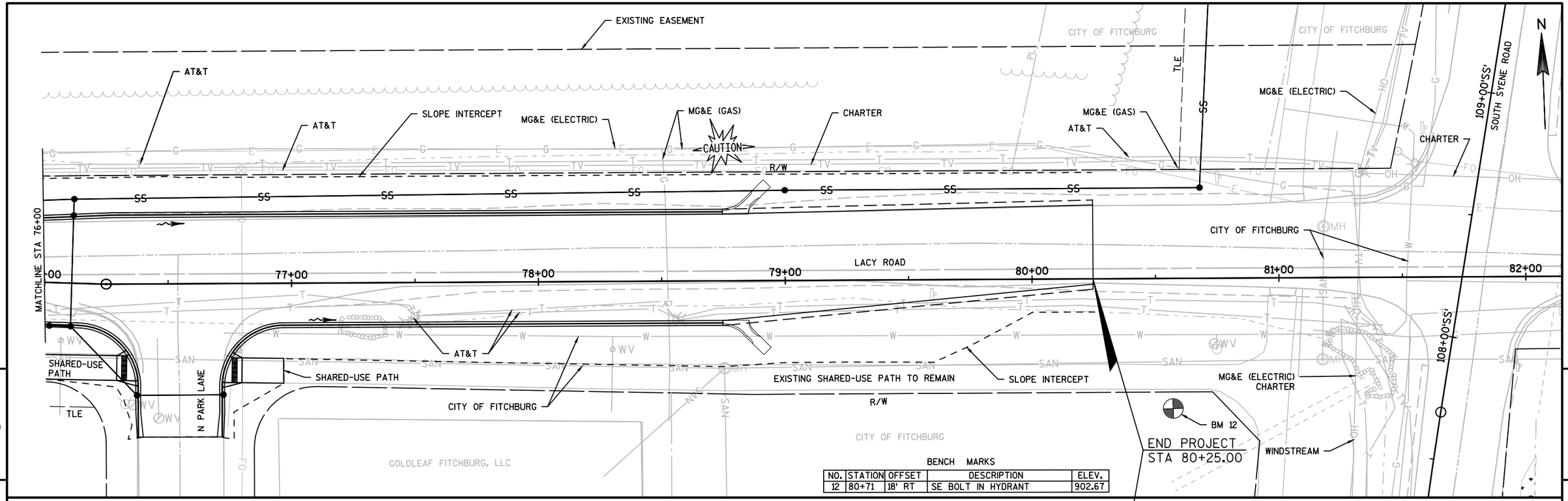
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
11	71+78	13' RT	SW BOLT IN HYDRANT	923.41



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050111_PP

PLOT DATE : 12/21/2016 8:23 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

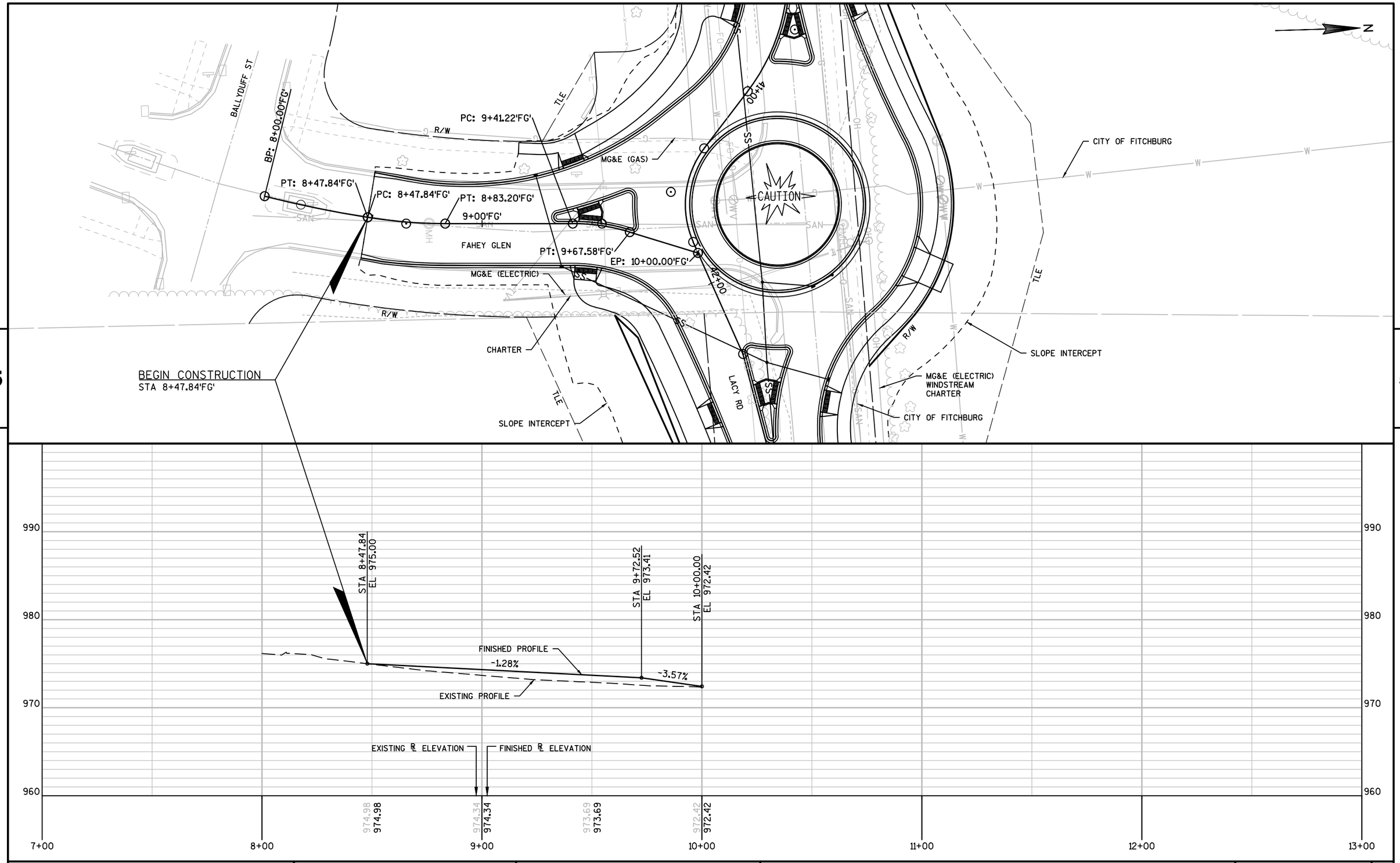


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE	SHEET 159 E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050112_PP

PLOT DATE : 12/21/2016 8:23 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE: FAHEY GLEN	SHEET 160 E

N

26+00

27+00

TLE

R/W

SS

MG&E (GAS

CAUTION

MG&E (ELECTRIC)
AT&T WINDSTREAM
CHARTER

AT&T

MG&E (GAS)

BP: 8+00.00'MC'

9+00'MC'

EP: 10+00.00'MC'

MICA RD

LACY RD

POST

CAN

FO

HMH

BEGIN CONSTRUCTION
STA 9+25.00'MC'

STA 9+25.00
EL 1026.74

STA 9+83.96
EL 1027.05

STA 10+00.00
EL 1027.32

EXISTING PROFILE

0.52%

1.66%

FINISHED PROFILE

EXISTING ℄ ELEVATION

FINISHED ℄ ELEVATION

1040
1030
1020
1010

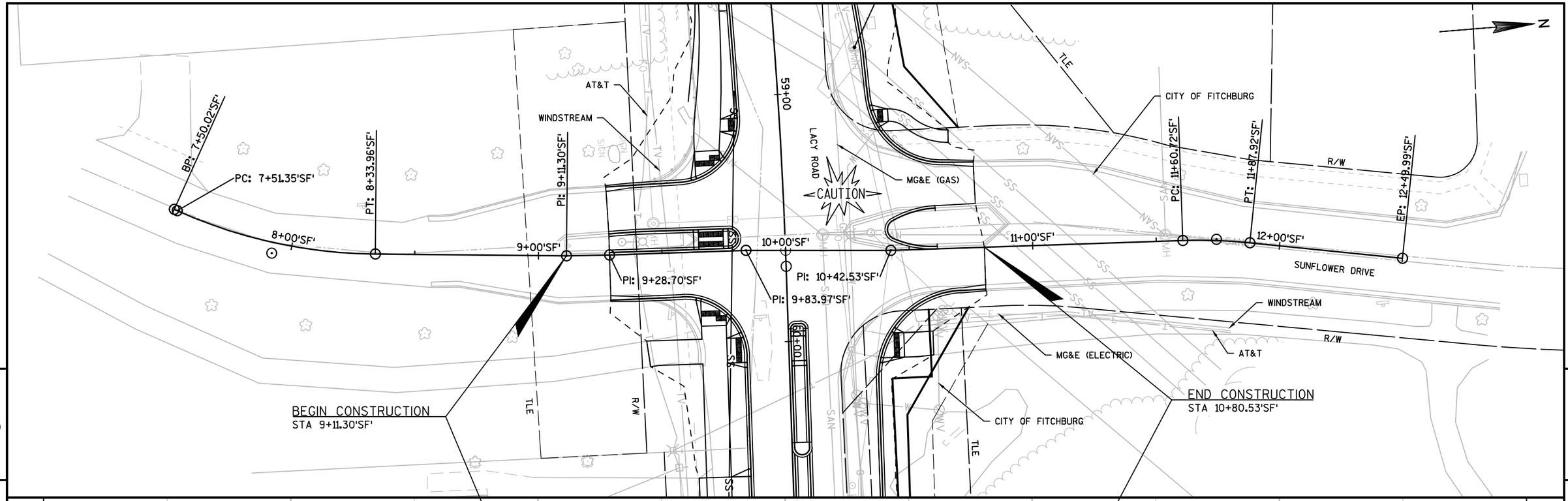
1024.06
1025.04
1026.01
1027.48
1026.87
1027.32

7+00
8+00
9+00
10+00
11+00
12+00
13+00

5

5

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE: MICA RD	SHEET 161	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	PLAN AND PROFILE: SUNFLOWER DR	SHEET 162	E

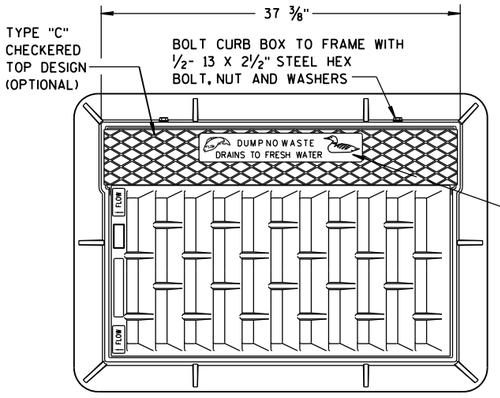
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\050101_PP-SIDEROADS.DWG
LAYOUT NAME - 050101_PP-SUNFLOWER

PLOT DATE : 10/17/2016 4:32 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

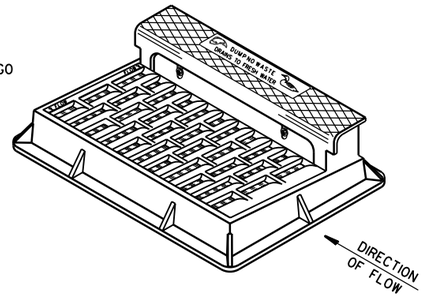
Standard Detail Drawing List

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
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
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
08B10-01	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-17A	CURB RAMPS TYPES 1 AND 1-A
08D05-17B	CURB RAMPS TYPES 2 AND 3
08D05-17C	CURB RAMPS TYPES 4A AND 4A1
08D05-17D	CURB RAMPS TYPE 4B AND 4B1
08D05-17E	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
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-02	LIGHTING CONTROL CABINET 120/240 VOLT
10A01-03	ELECTRICAL HANDHOLE WIRING
10A05-02	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES ISOLATED NEUTRAL SYSTEMS
10A12-02	ELECTRICAL DETAILS MEDIAN MOUNT LIGHT POLES GROUNDED NEUTRAL SYSTEMS
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
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
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
15C07-13A	PAVEMENT MARKING SYMBOLS
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C07-13E	PAVEMENT MARKING FOR BIKE LANES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C09-10A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

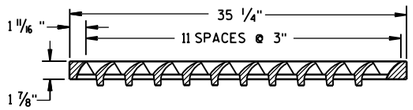
6

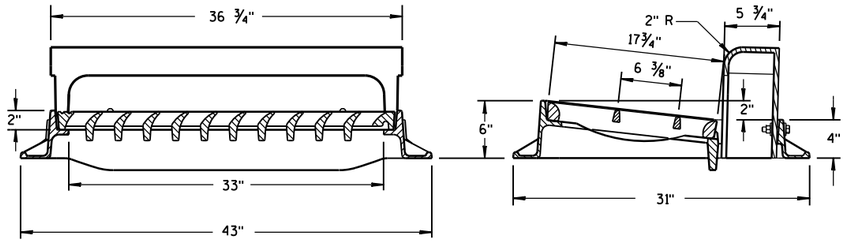


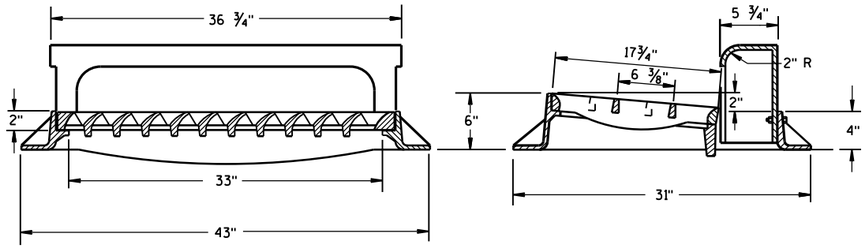
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

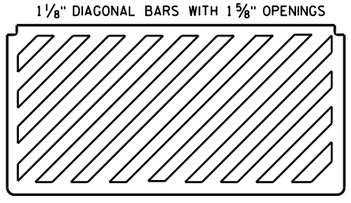






TYPE "H"

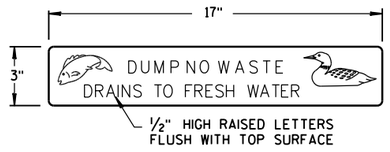
NOTE: EITHER CASTING IS ACCEPTABLE



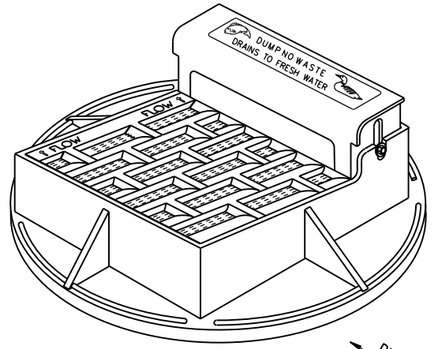
SPECIAL GRATE FOR TYPE "H" COVER

(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"

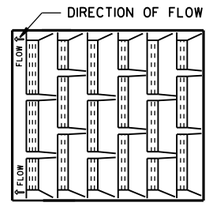
NOTE:
GRATE IS REVERSIBLE.

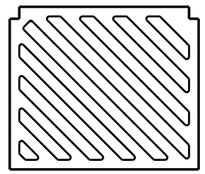
GENERAL NOTES

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.

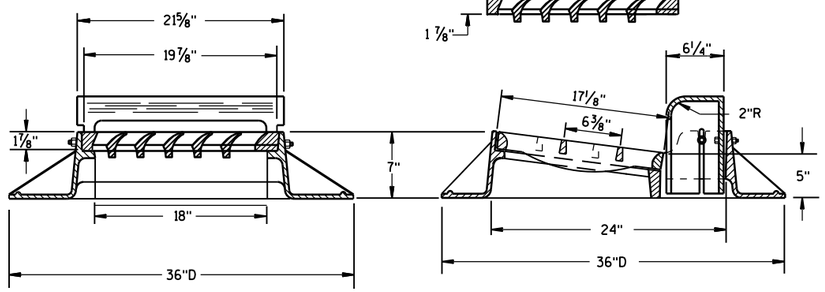




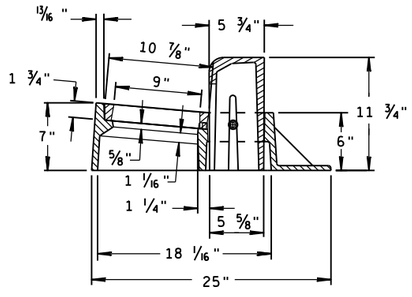
SPECIAL GRATE FOR TYPE "A" COVER

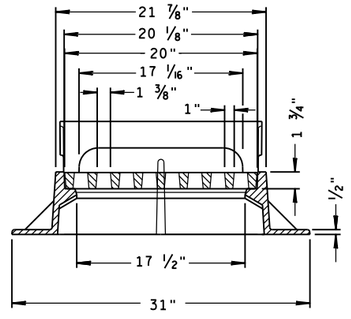
(MEASURES 19 3/4" X 17" X 1 7/8")

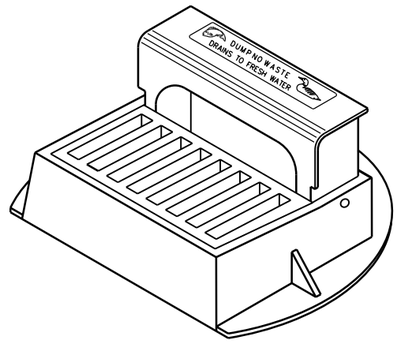
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

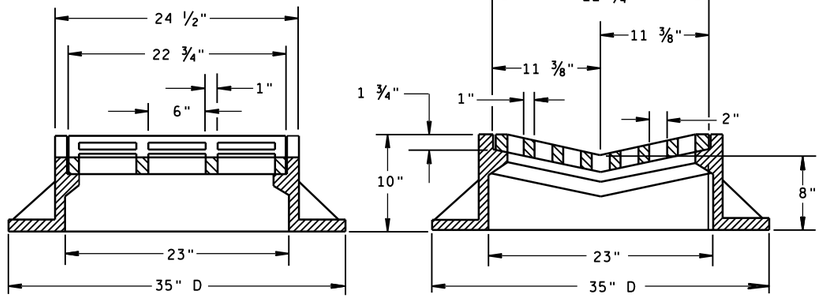
INLET COVERS
TYPE A, H, A-S, H-S & Z

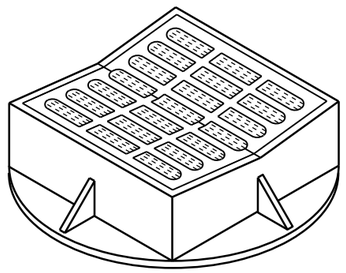
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

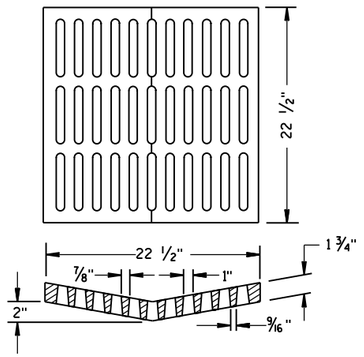
6

S.D.D. 8 A 5-19a



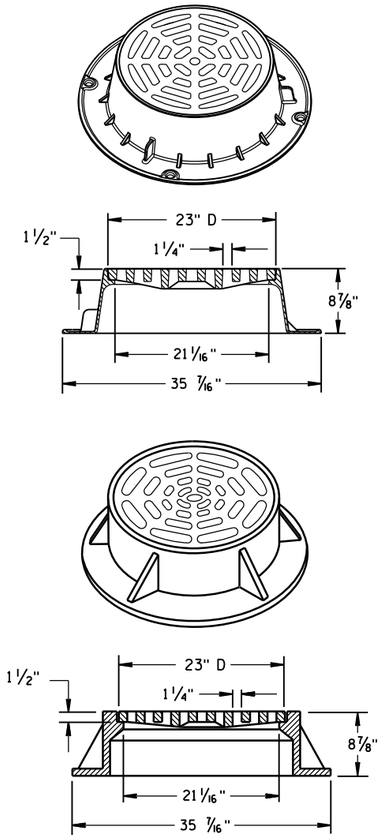


TYPE "B"



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"

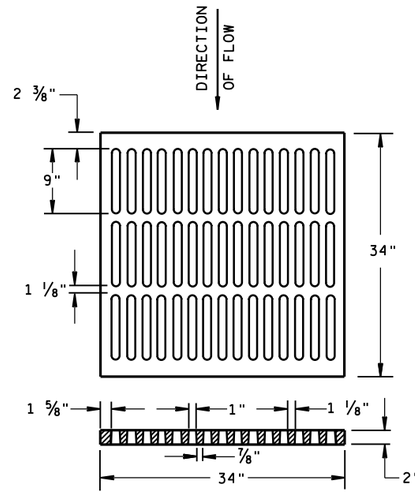
NOTE: EITHER CASTING IS ACCEPTABLE

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.

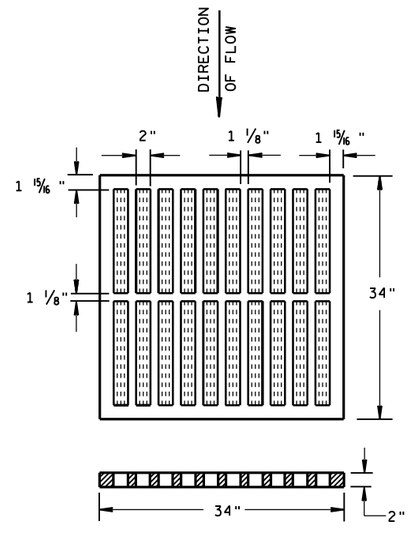
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



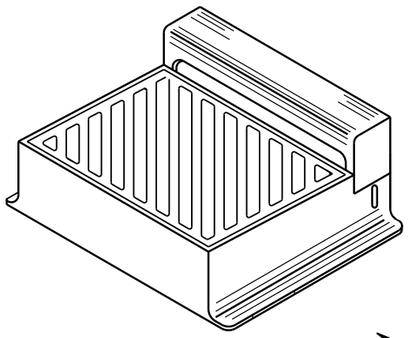
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

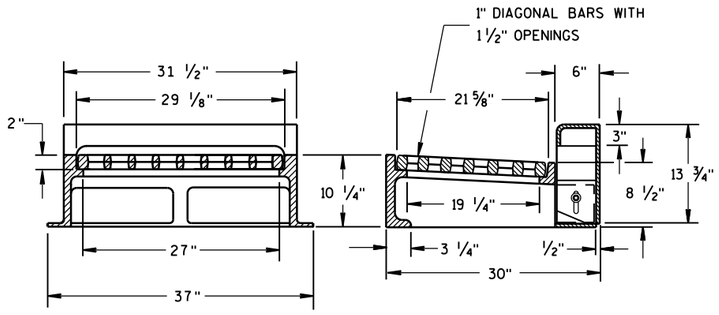


TYPE "MS"

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"

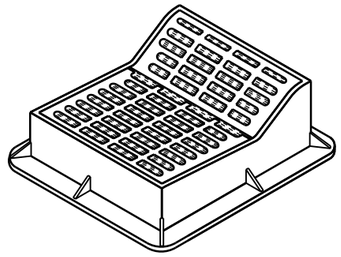
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

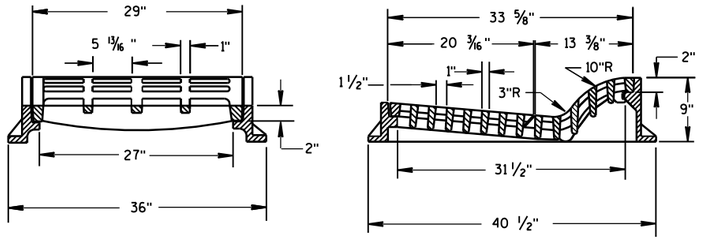
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

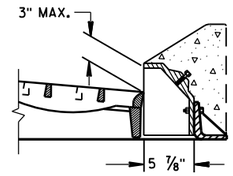
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

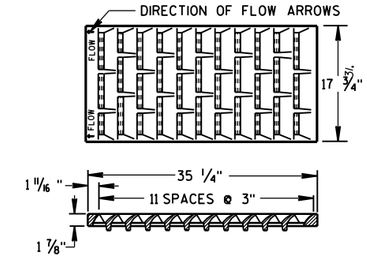
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

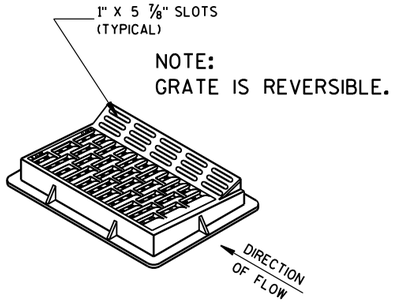
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

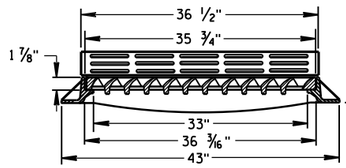
GENERAL NOTES

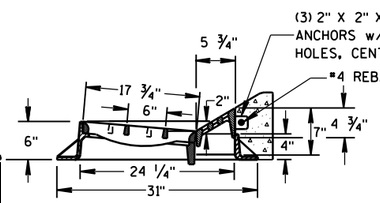
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





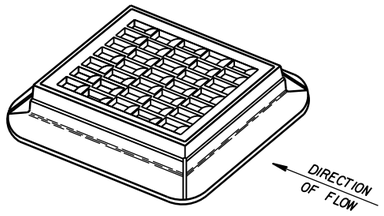


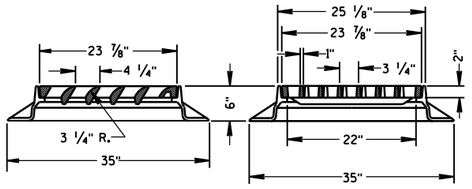


TYPE "HM"

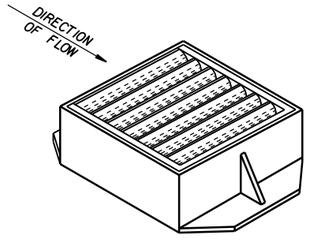
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

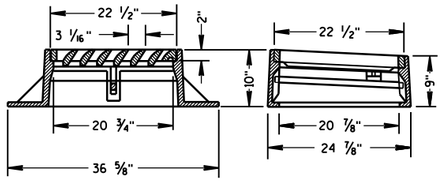
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



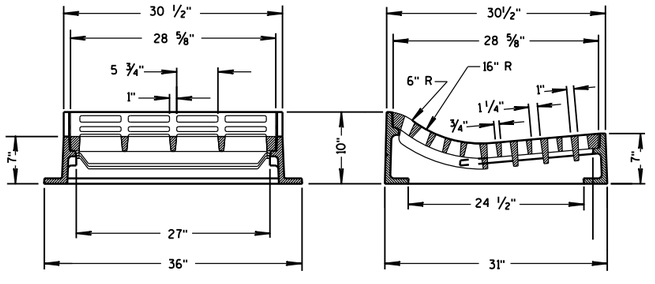


TYPE "S"



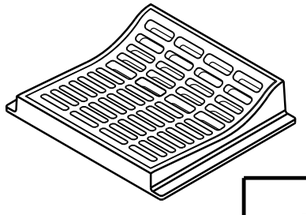


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

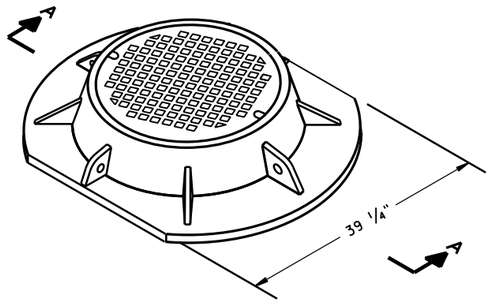
APPROVED
11/27/2013
DATE

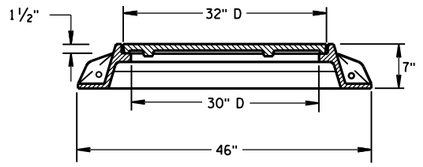
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

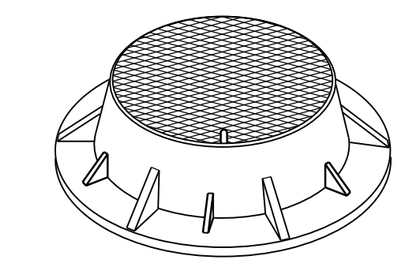
6

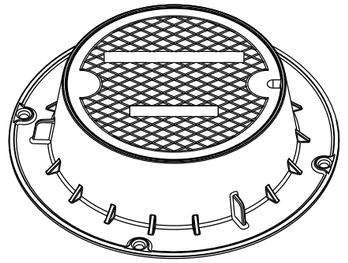
S.D.D. 8 A 5-19c

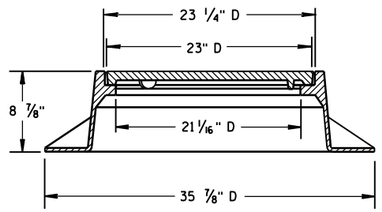


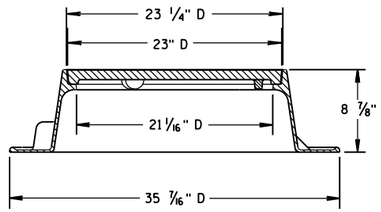


SECTION A-A
TYPE "K"









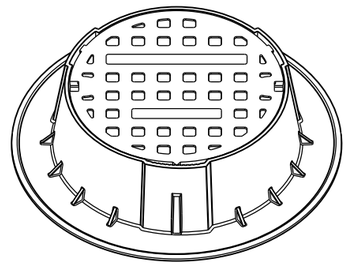
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

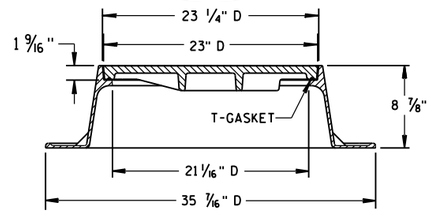
GENERAL NOTES

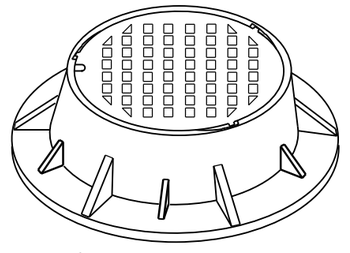
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

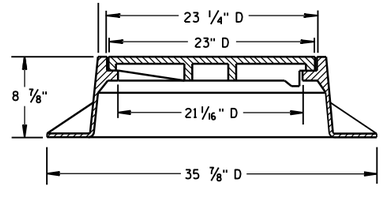
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

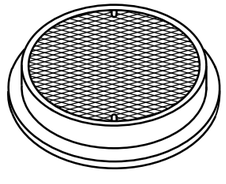


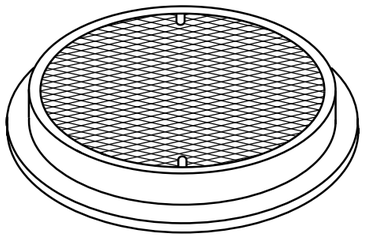


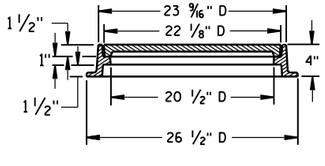




TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE







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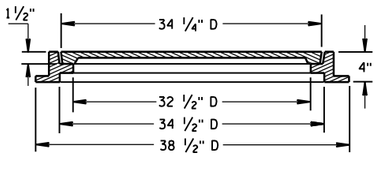

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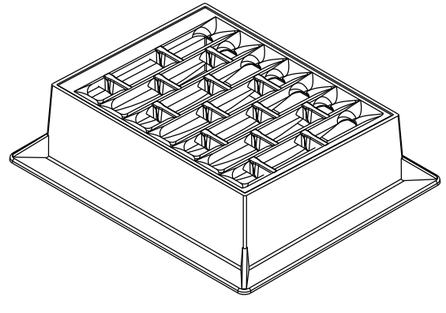
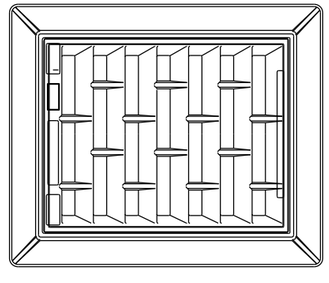
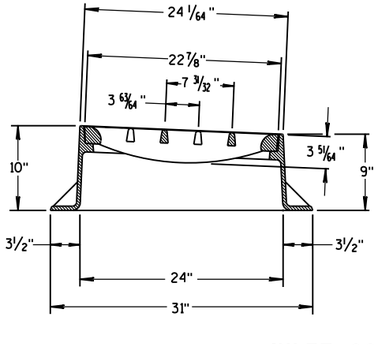
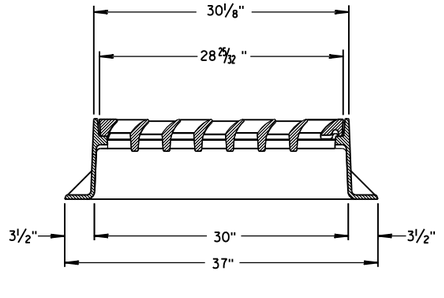








INLET COVER TYPE "BW"

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

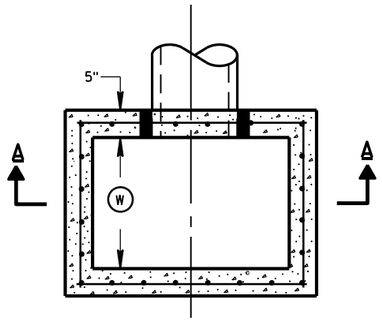
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

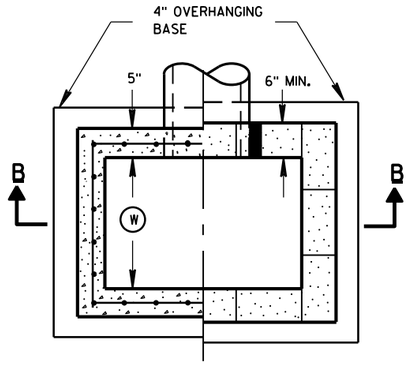
S.D.D. 8 A 5-19d

6

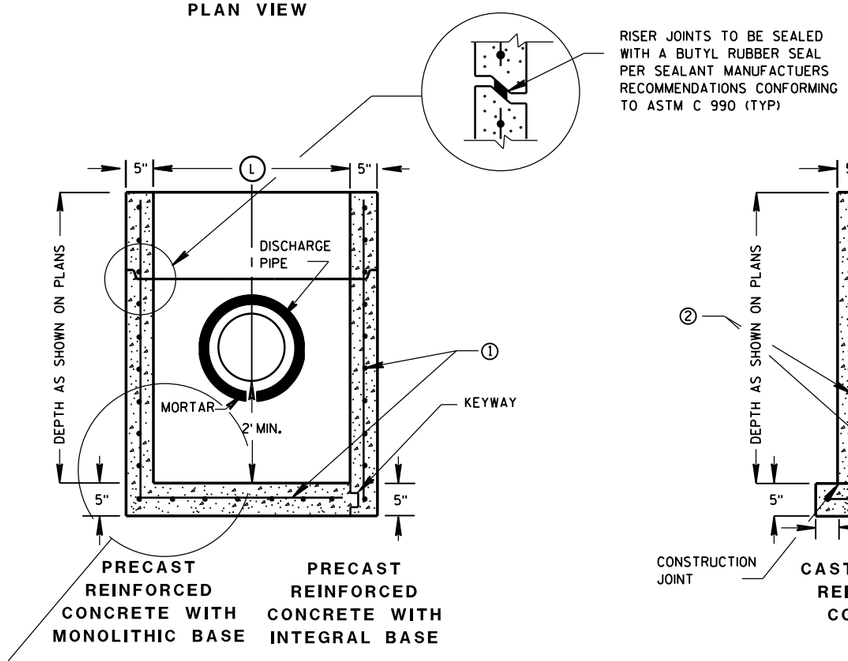
S.D.D. 8 A 5-19d



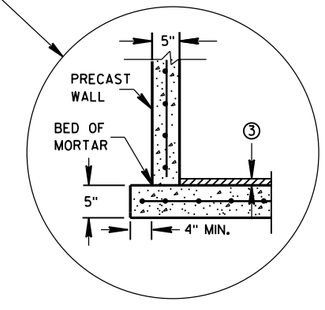
PLAN VIEW



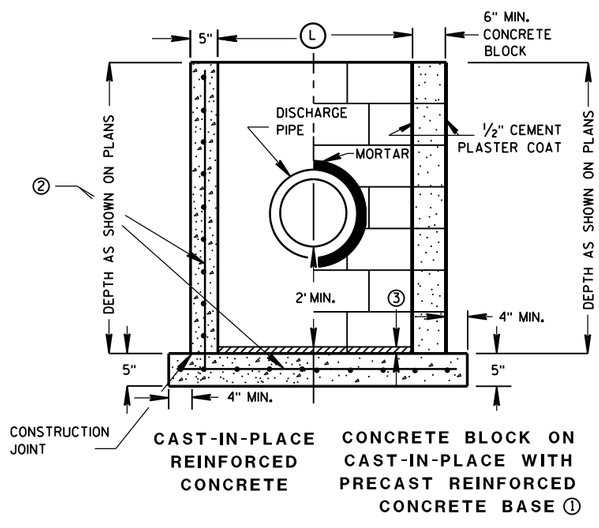
PLAN VIEW



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.

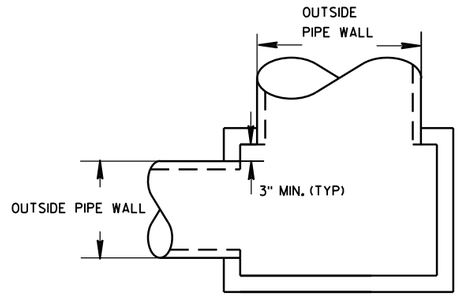
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

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

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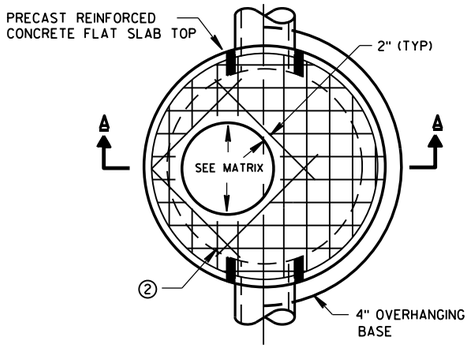
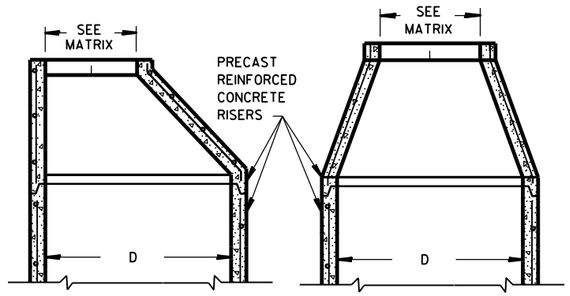
S.D.D. 8 A 9-1

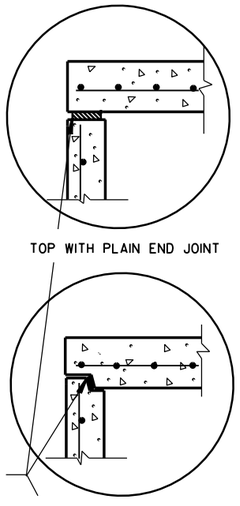


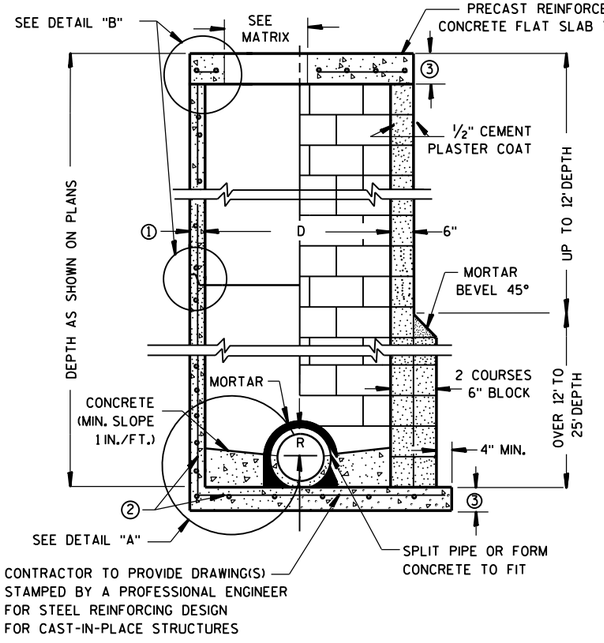
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

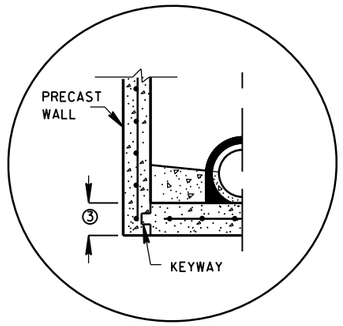
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



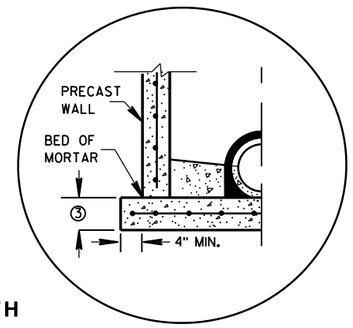


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

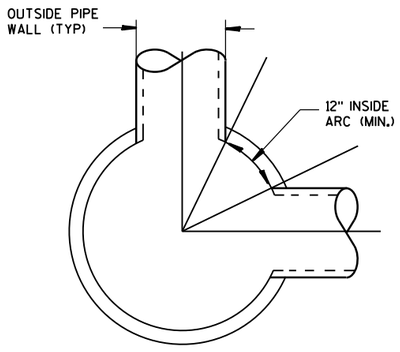


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

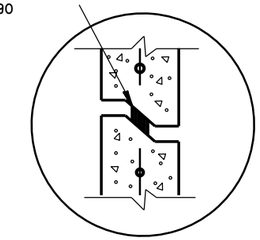


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



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 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

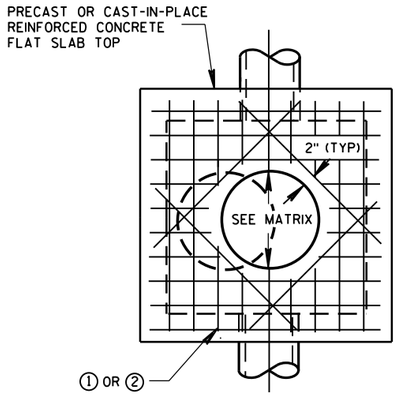
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

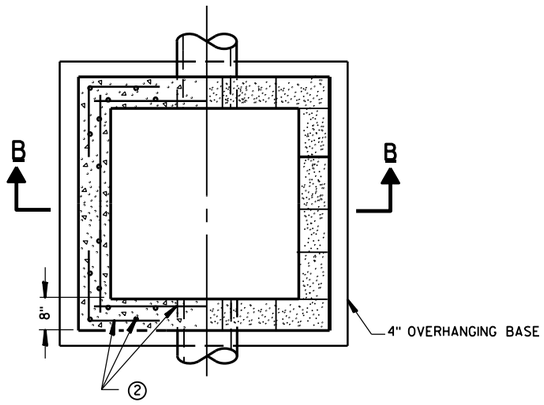
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

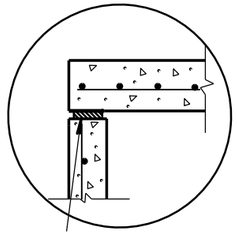
6
S.D.D. 8 B 9-1



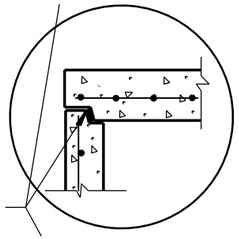
PLAN VIEW
CIRCULAR OPENING



SECTION A-A
PLAN VIEW

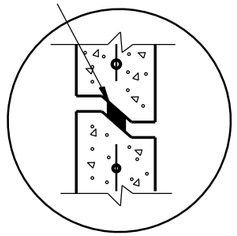


TOP WITH PLAIN END JOINT



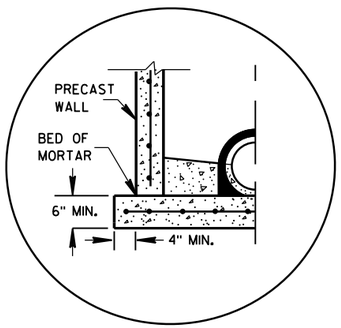
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



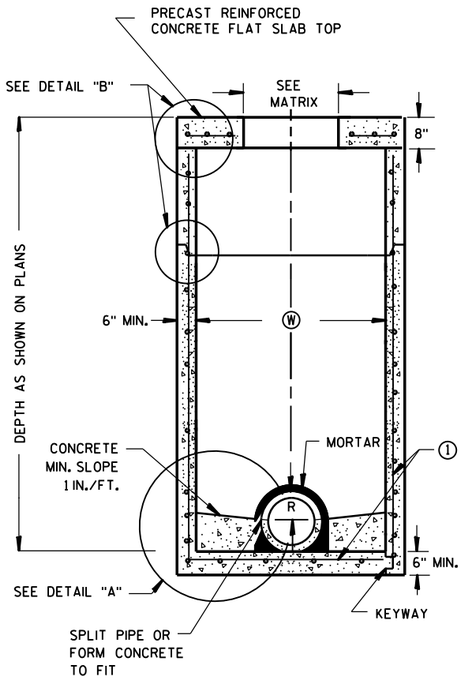
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

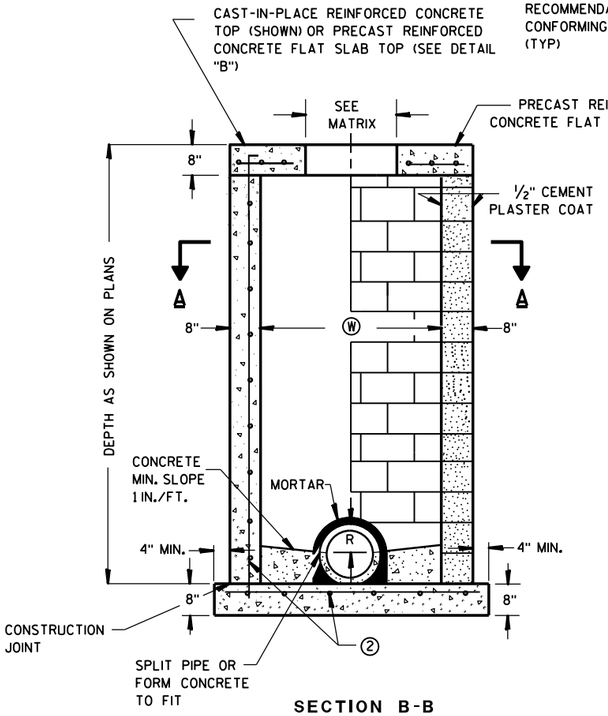


SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE



SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE

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 FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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 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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

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 ASTM C 913.

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.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

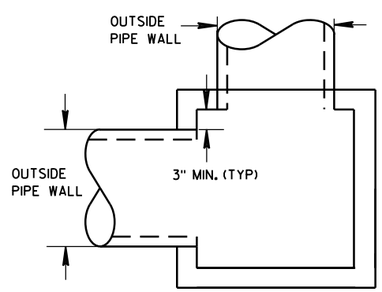
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

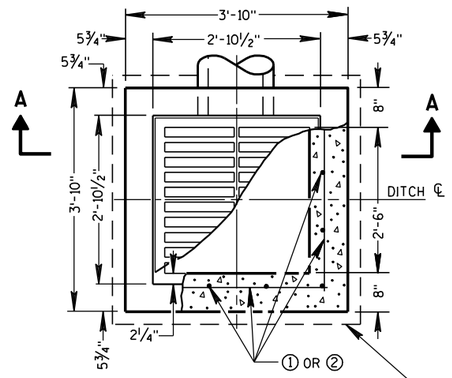
MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

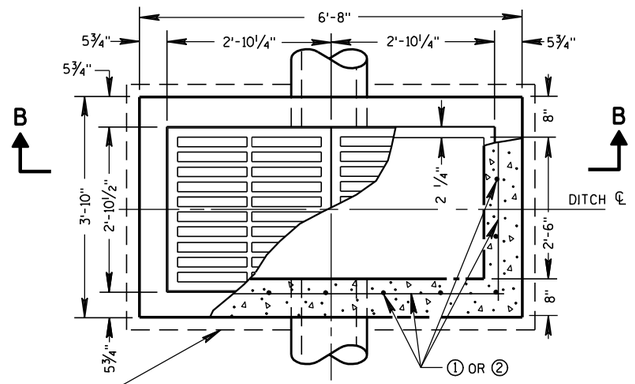
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 8 B 10-1

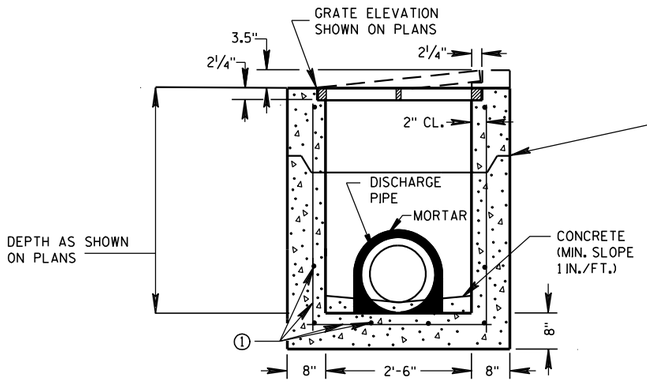


PLAN VIEW

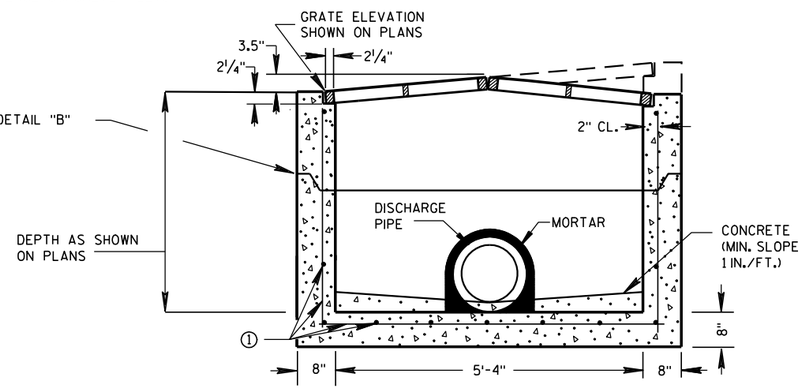


PLAN VIEW

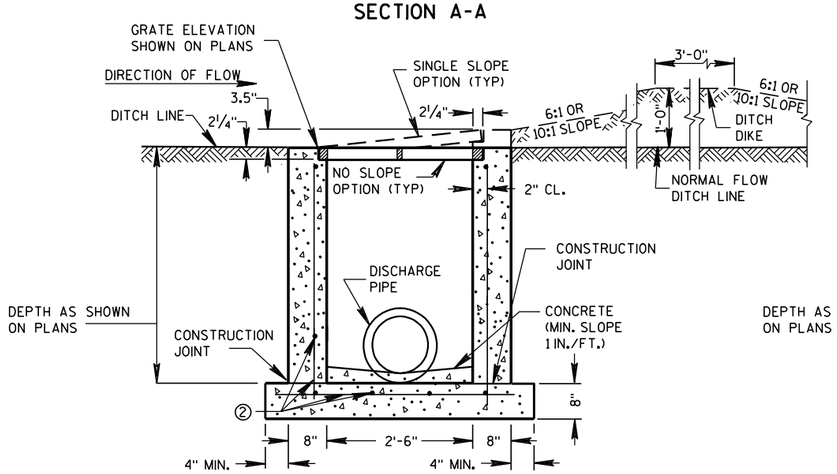
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

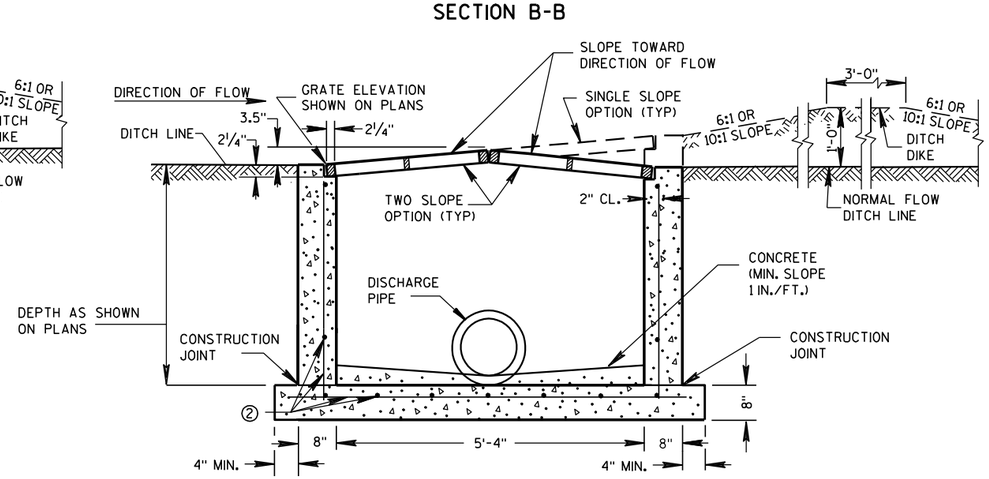


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

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.

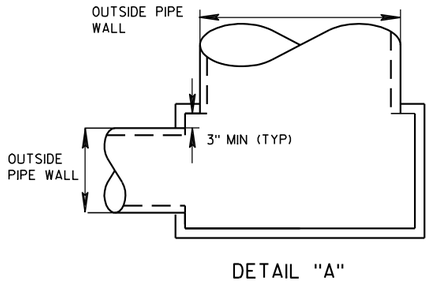
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

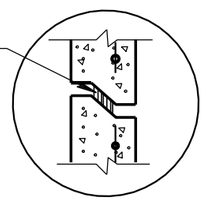
PIPE MATRIX

	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)



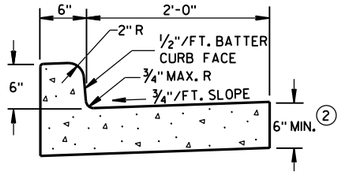
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

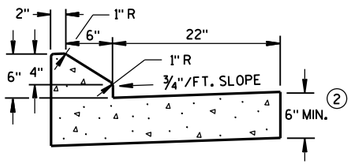
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

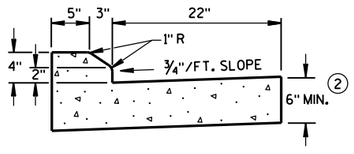
6
S.D.D. 8 C 8-1
6
S.D.D. 8 C 8-1



TYPES A & D ①

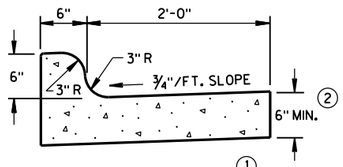


6" SLOPED CURB TYPES G & J ①

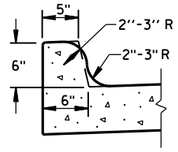


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

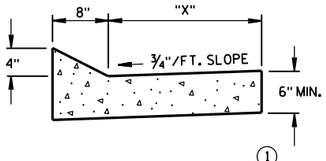


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

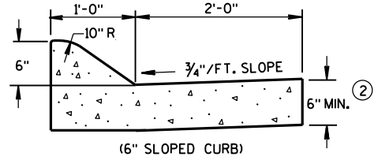
CONCRETE CURB & GUTTER 30"



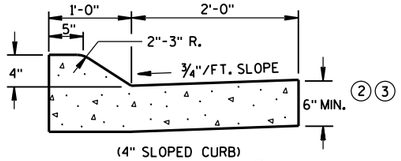
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

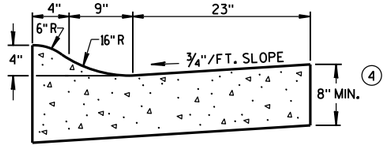


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

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.

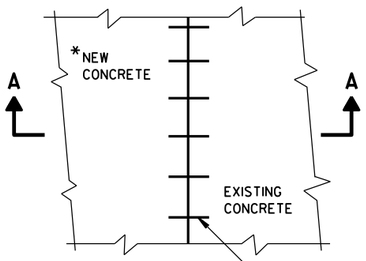
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ 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.

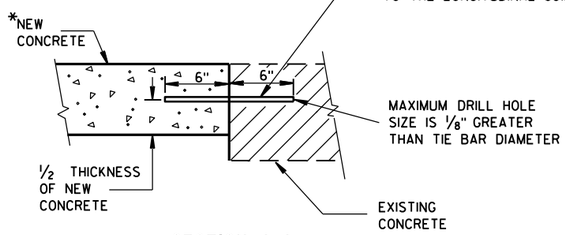
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



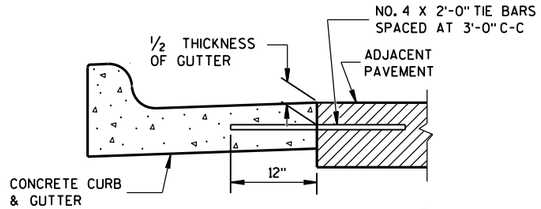
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

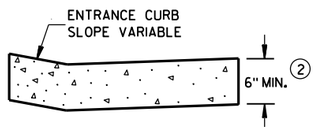


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

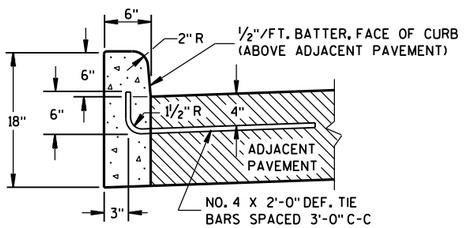


TYPICAL TIE BAR LOCATION ①

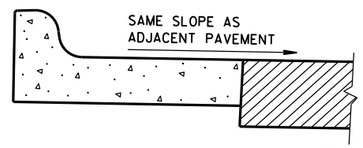


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

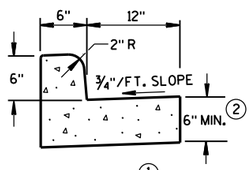


① TYPES A & D



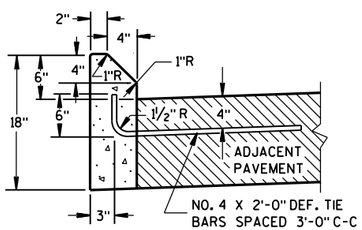
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



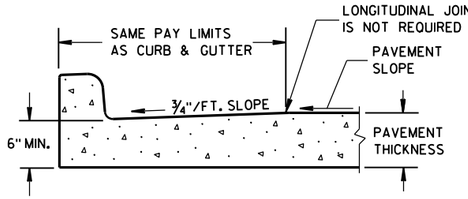
① TYPES A & D

CONCRETE CURB & GUTTER 18"

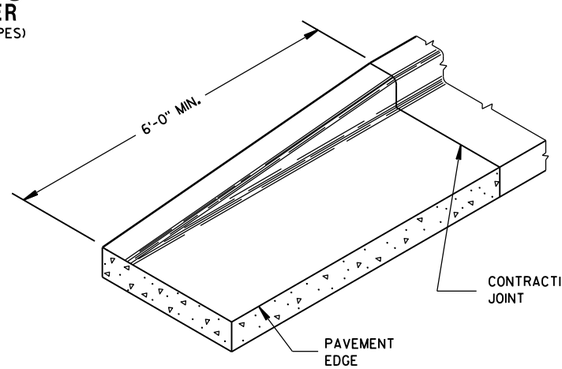


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

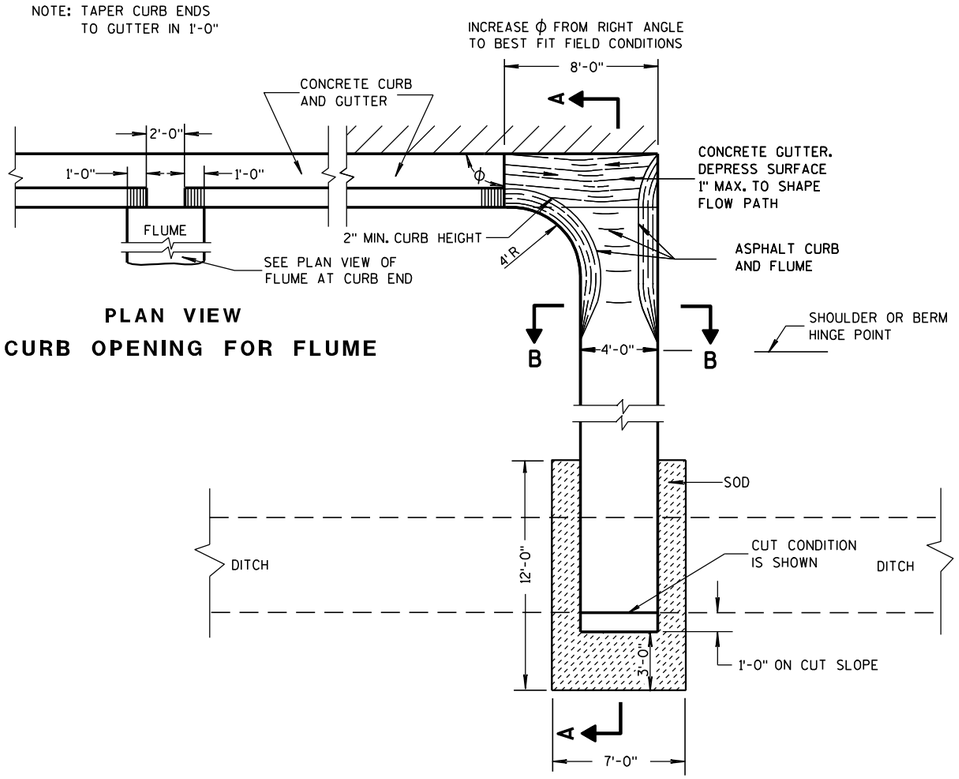
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

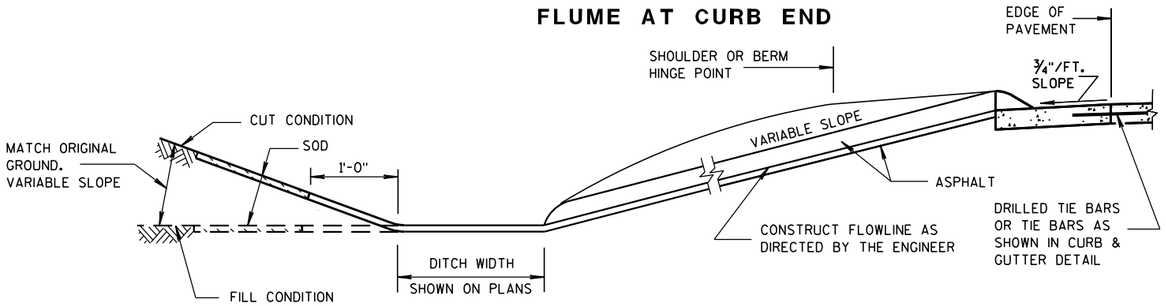
S.D.D. 8 D 1-19

ASPHALTIC FLUME

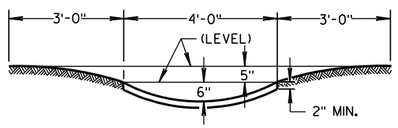


PLAN VIEW
CURB OPENING FOR FLUME

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.

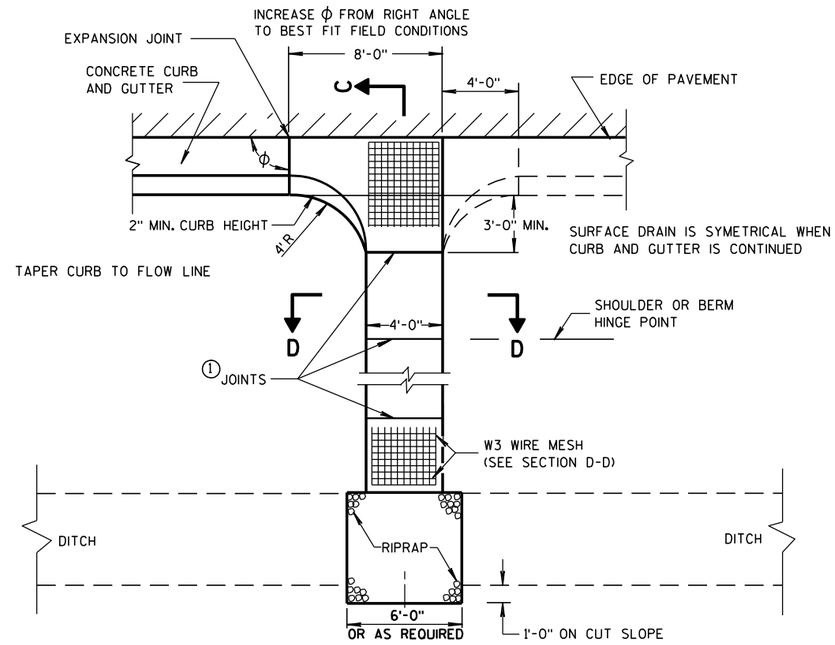
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

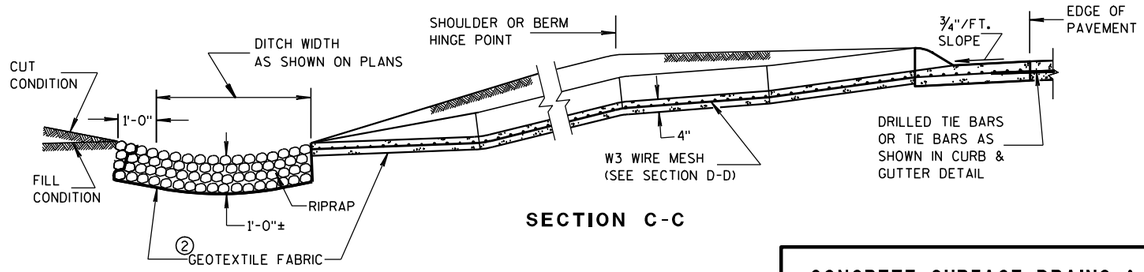
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

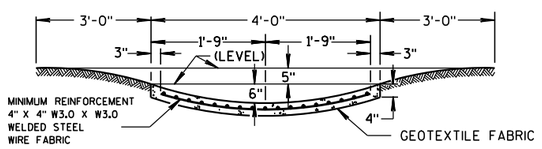
③ CONCRETE SURFACE DRAIN



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
MENT
FHWA

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S.D.D. 8 D 4-5

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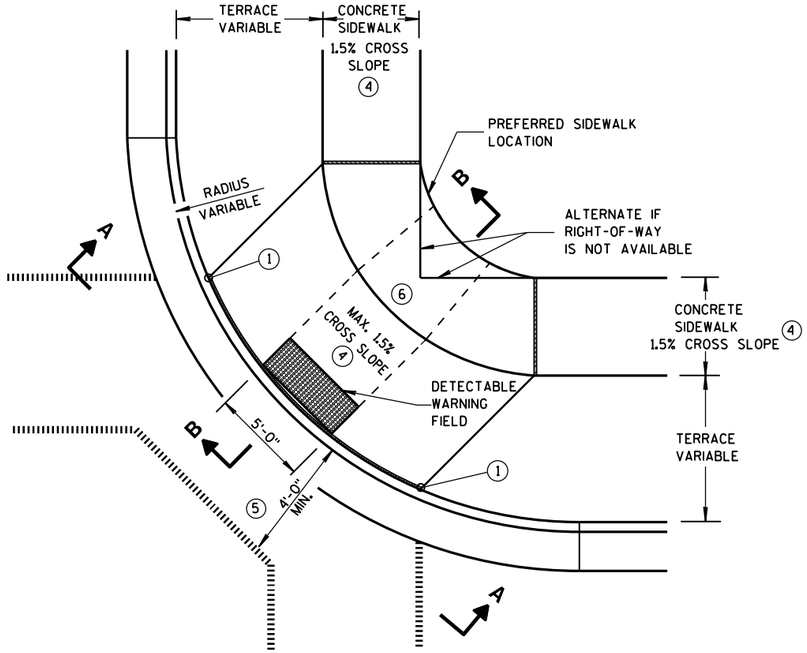
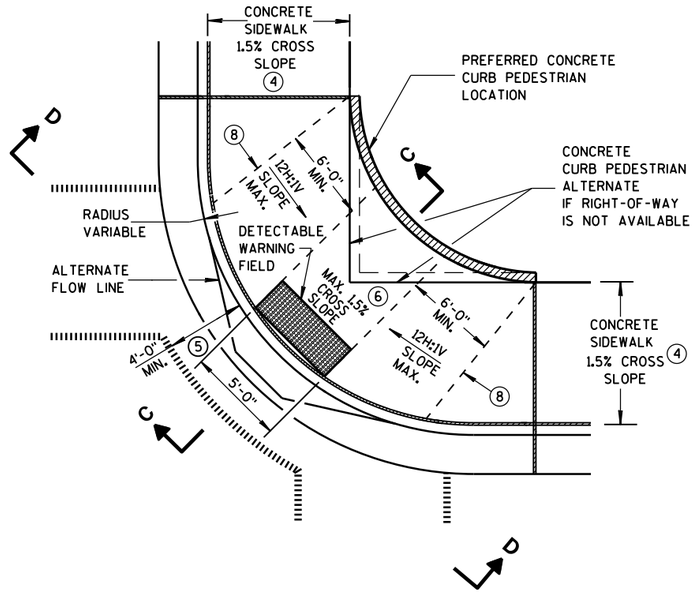
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

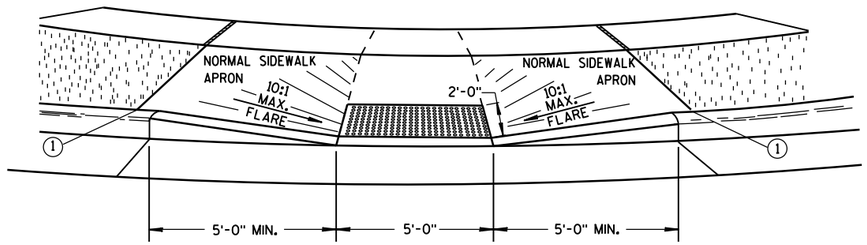
(CENTER OF CORNER RADIUS)



PLAN VIEW

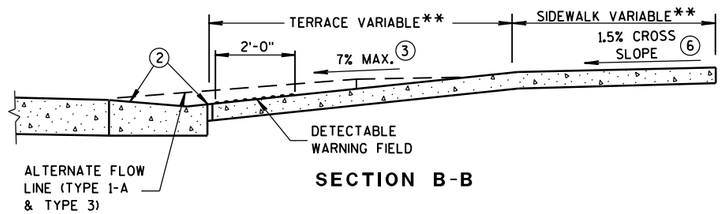
TYPE 1-A RAMP

(NO TERRACE)

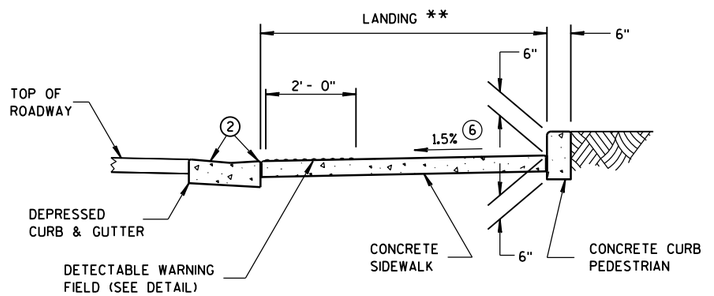


VIEW A-A

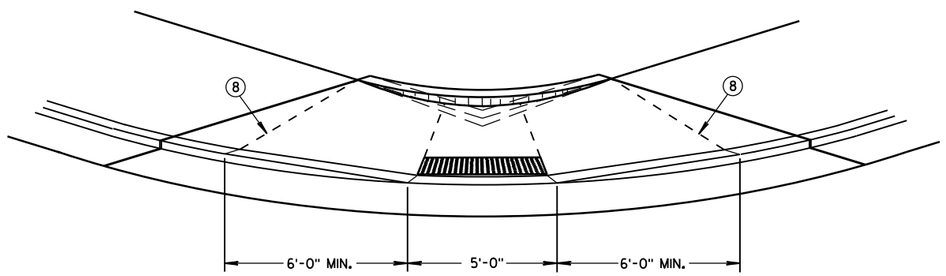
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(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.

LEGEND

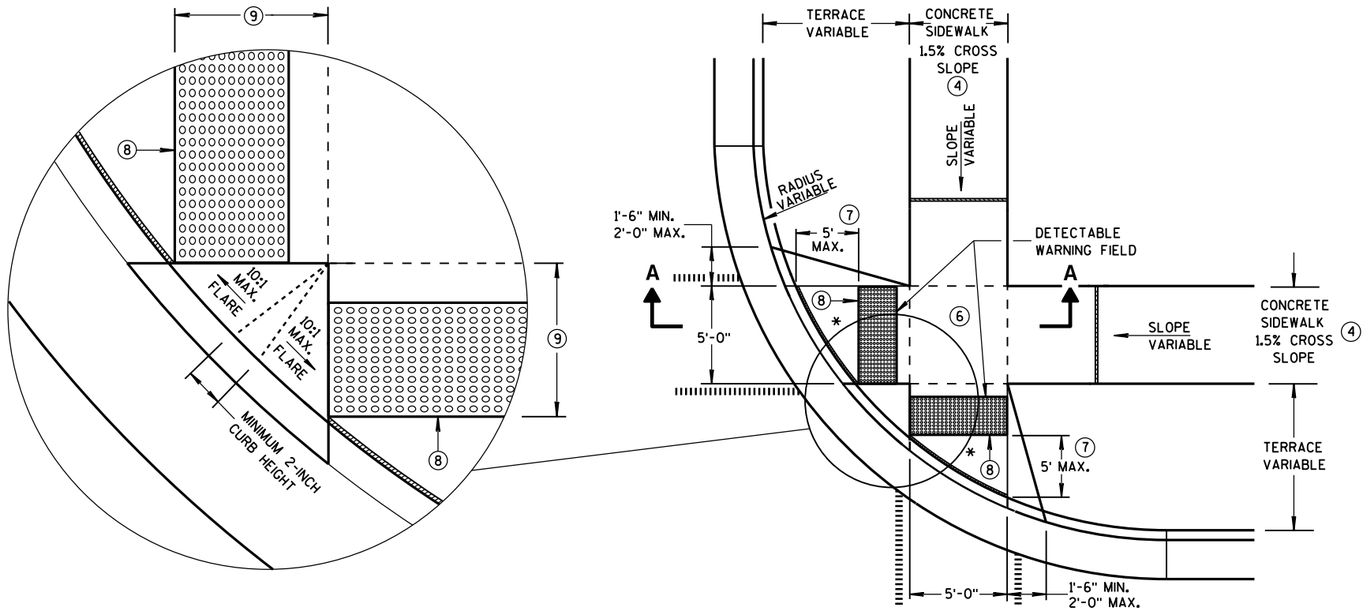
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-17a

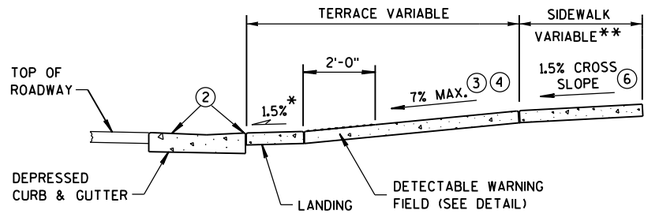


PLAN VIEW

TYPE 2 RAMP

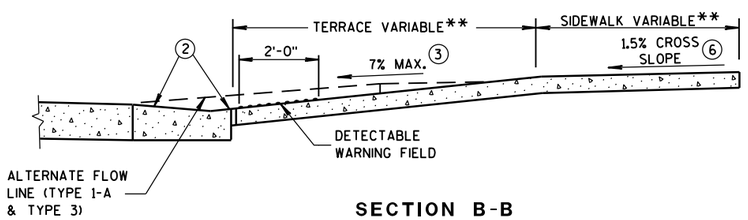
(ON LINE WITH SIDEWALK)

* 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

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(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).

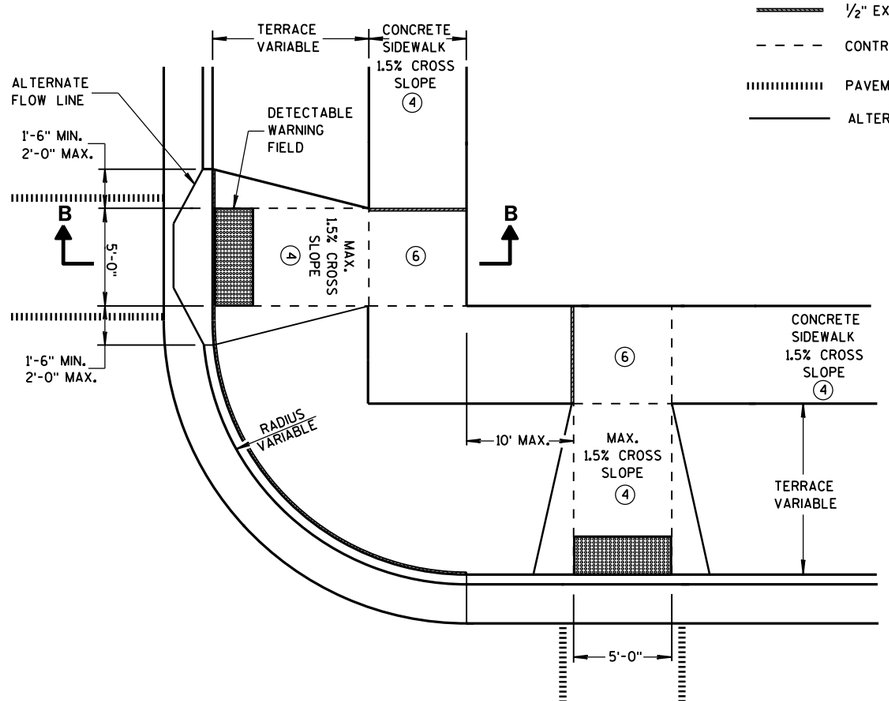
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

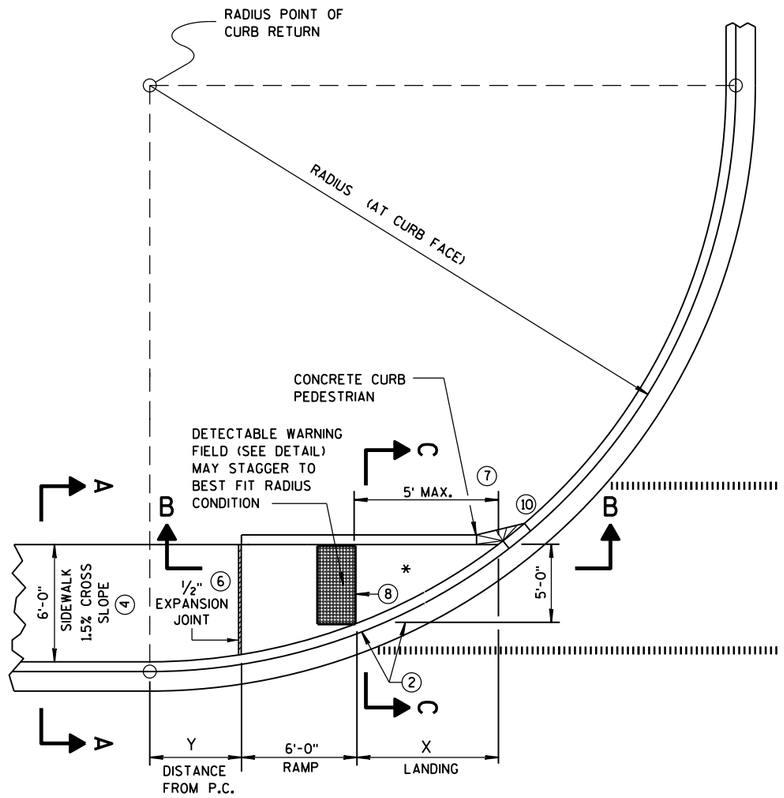
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

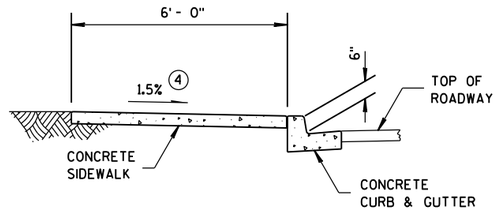
S.D.D. 8 D 5-17b



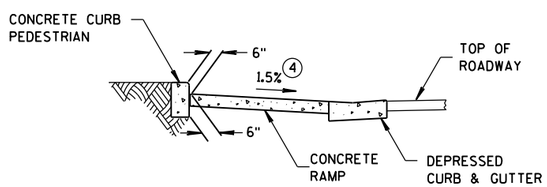
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

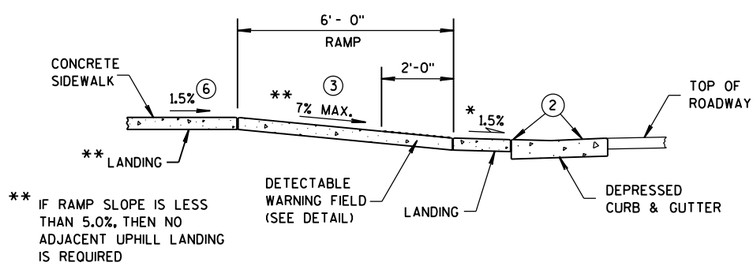
INTERMEDIATE RADII CAN BE INTERPOLATED



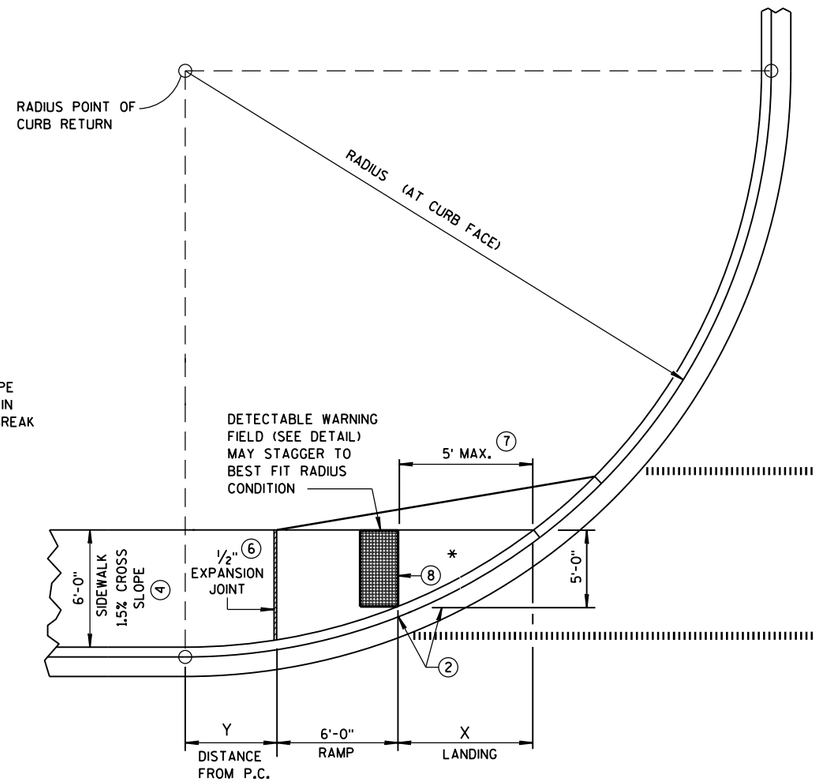
SECTION A-A FOR TYPE 4A



SECTION C-C FOR TYPE 4A



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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

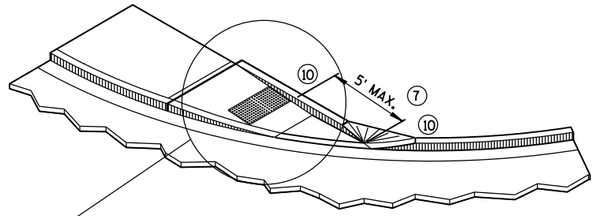
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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).

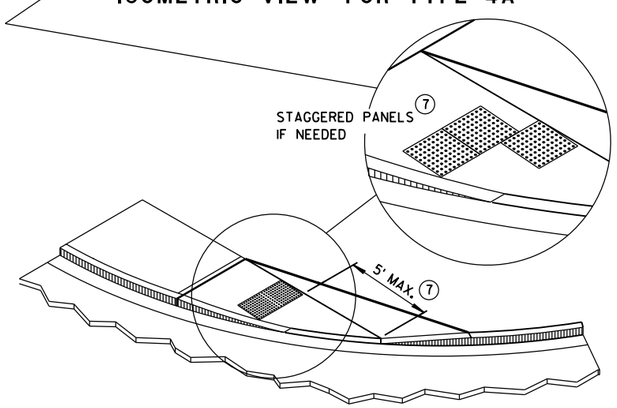
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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

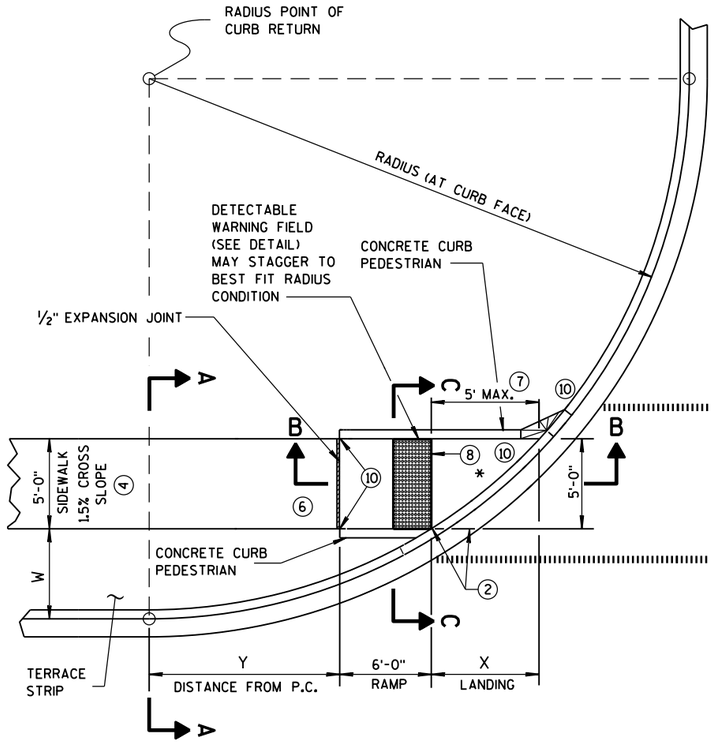
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

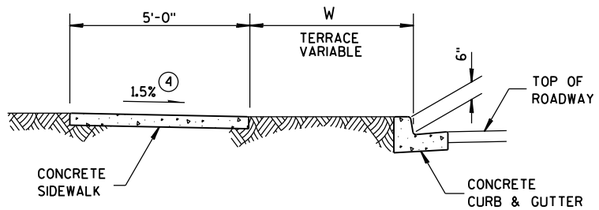
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

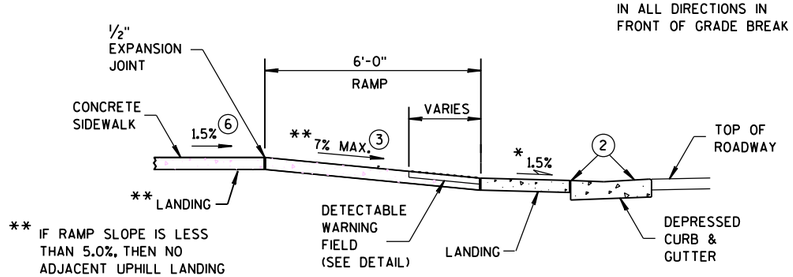
S.D.D. 8 D 5-17c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



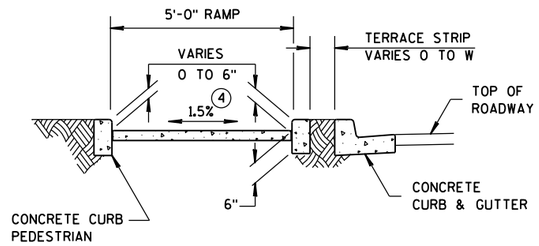
SECTION B-B FOR TYPE 4B

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'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

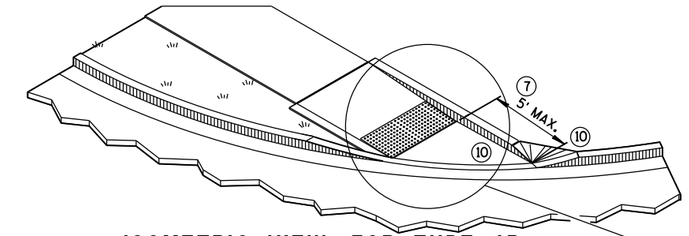
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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).

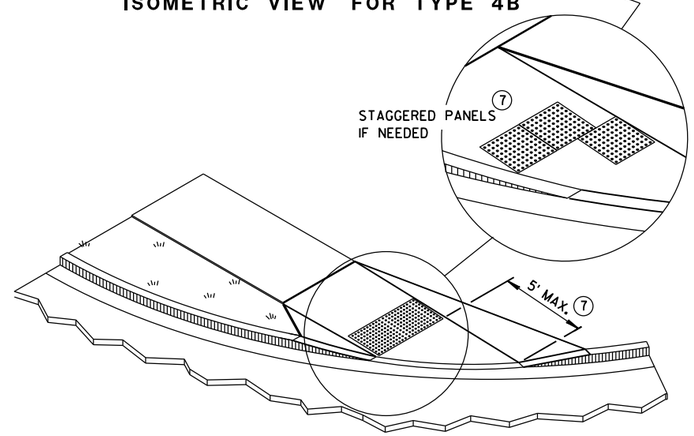
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

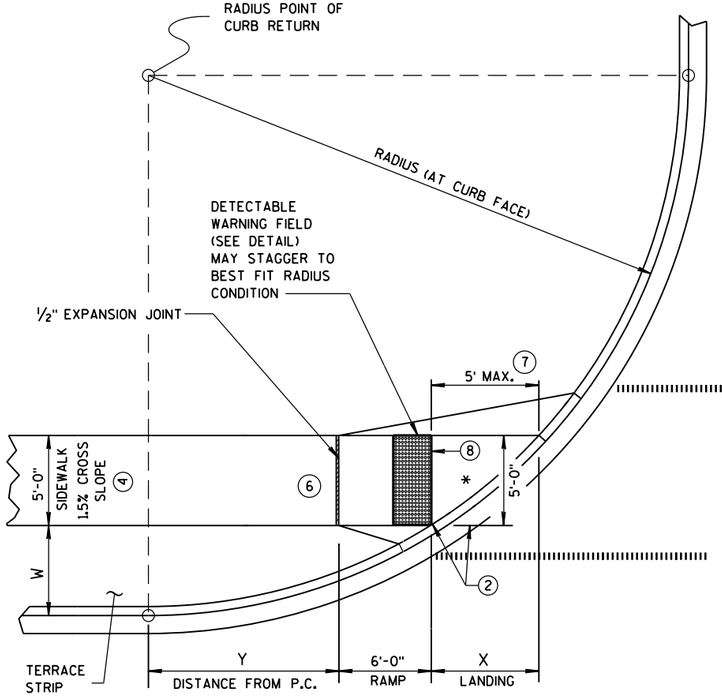
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



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 TRANSPOI

6

S.D.D. 8 D 5-17d

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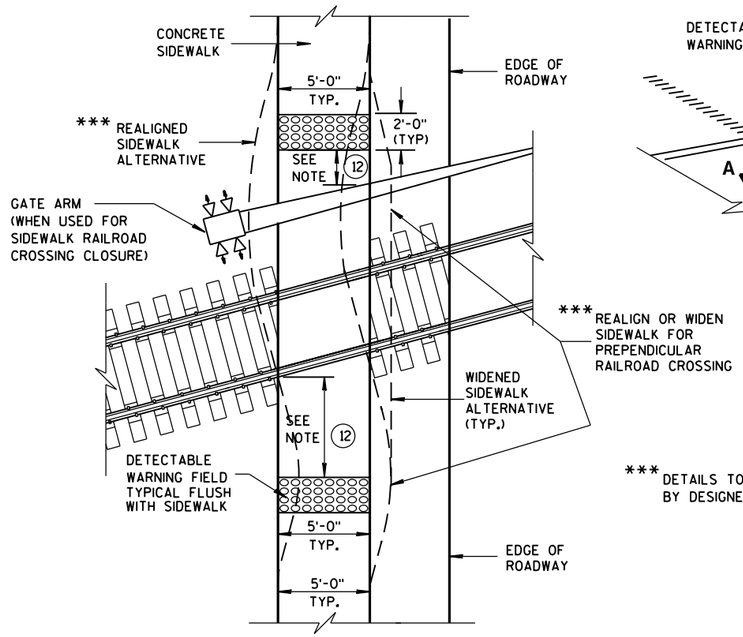
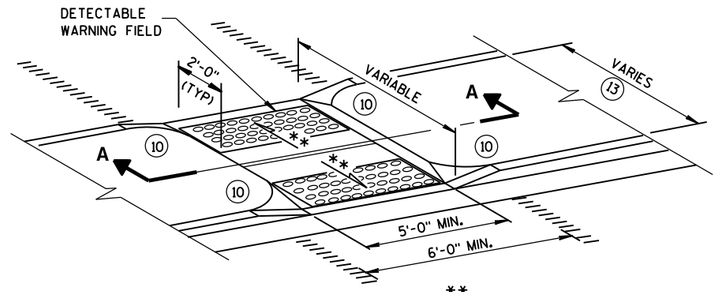
S.D.D. 8 D 5-17d



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 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 LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(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.

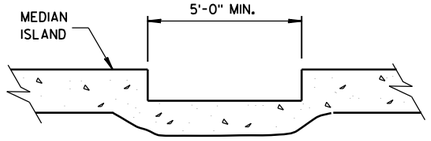
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(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.

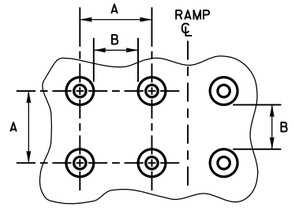
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



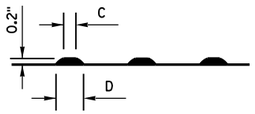
SECTION A-A

	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.

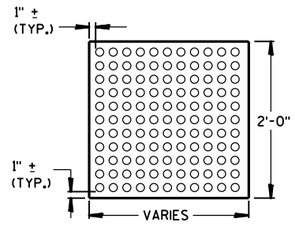


PLAN VIEW

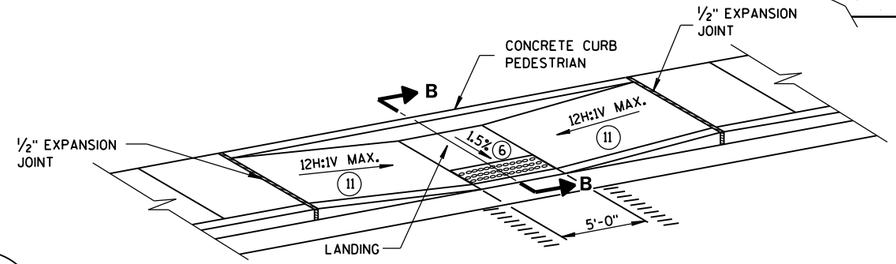


ELEVATION VIEW

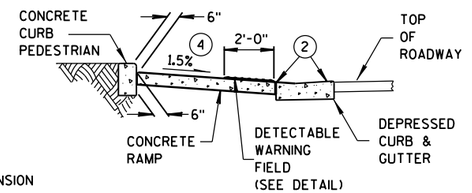
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



PLAN VIEW
DETECTABLE WARNING FIELD (TYPICAL)

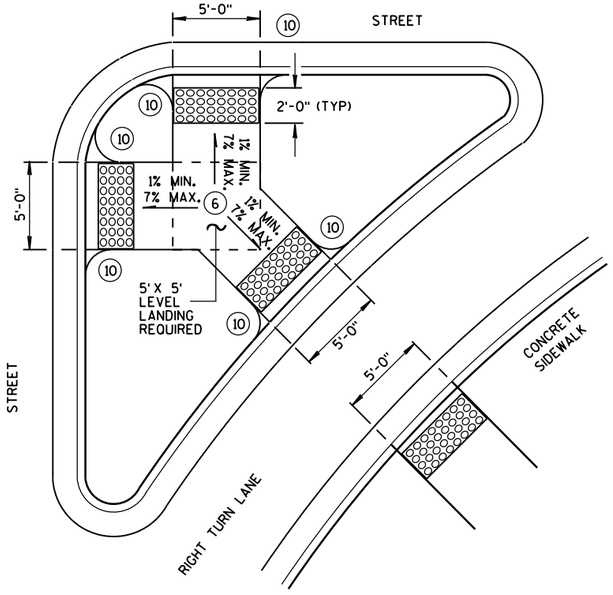


MID-BLOCK CROSSING
TYPE 7A

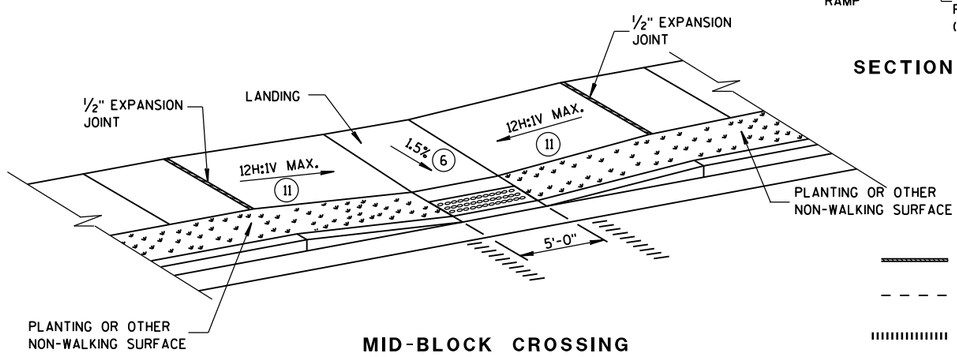


SECTION B-B

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)

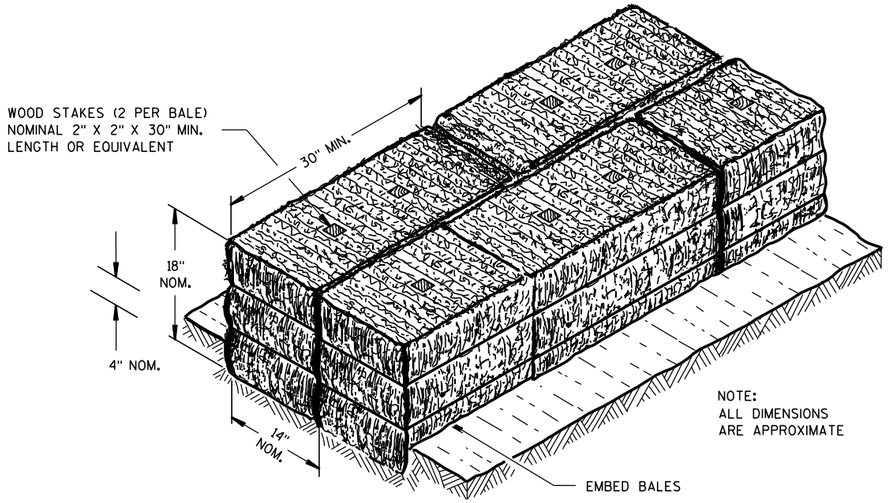
CURB RAMPS TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

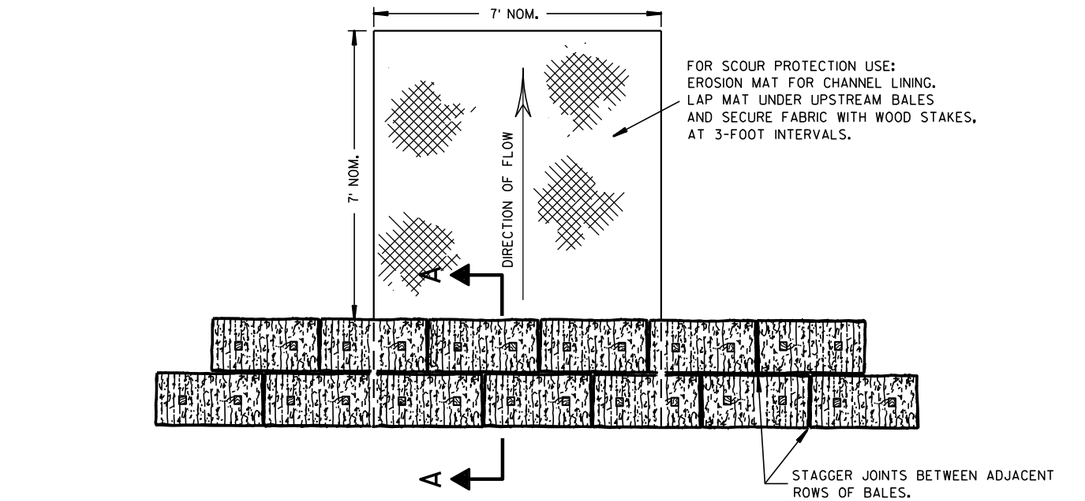
APPROVED
June, 2016
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

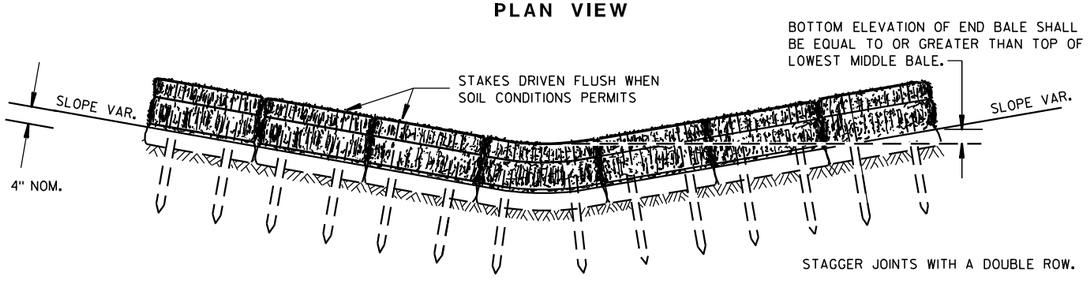
6
S.D.D. 8 D 5-17e



SECTION A-A



PLAN VIEW



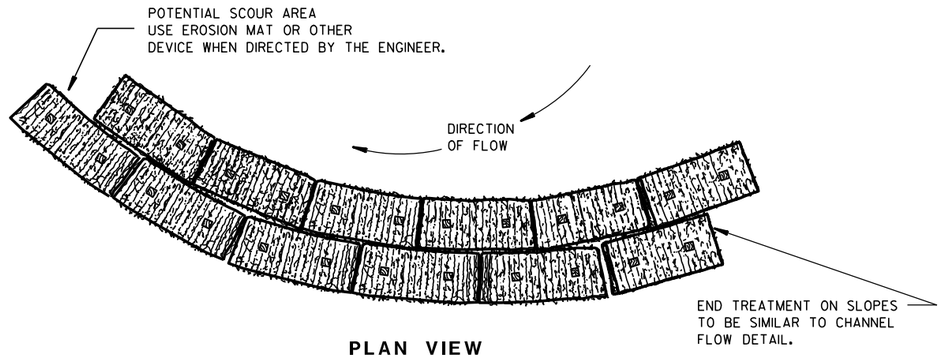
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

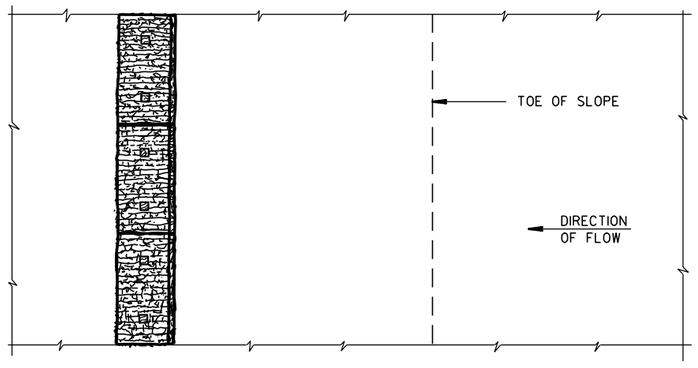
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

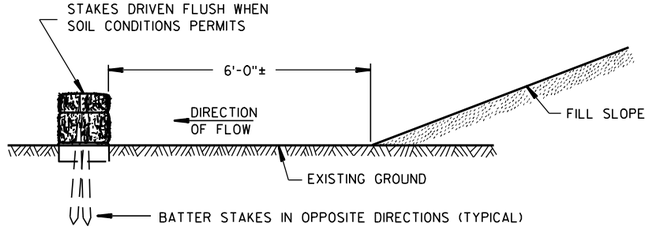


PLAN VIEW

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

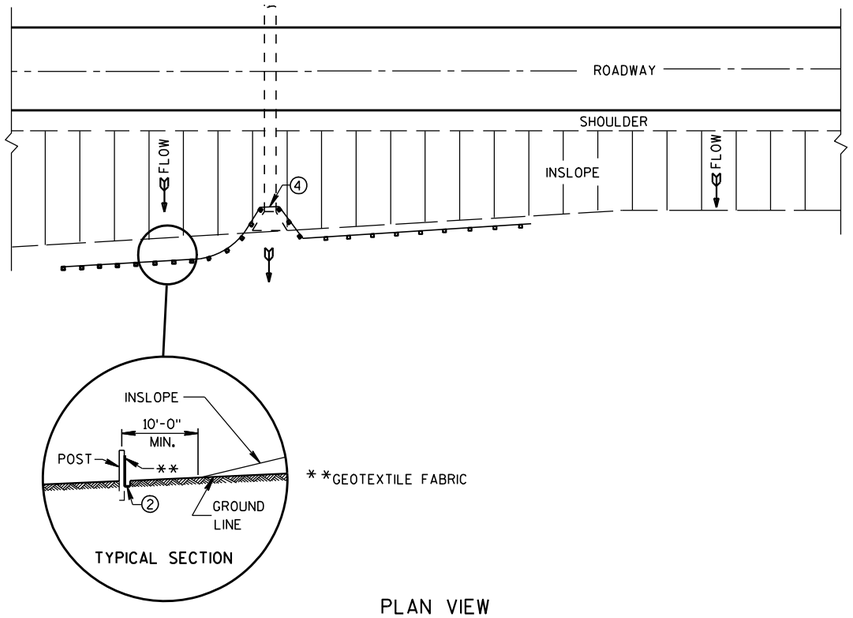
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

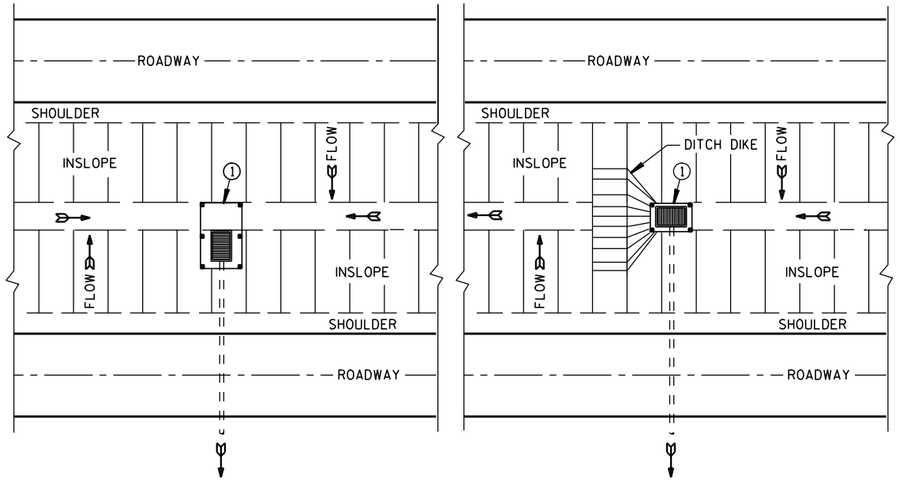
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



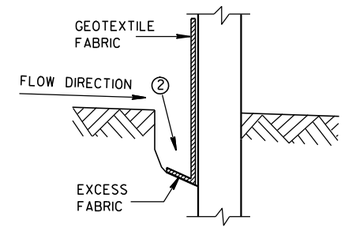
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

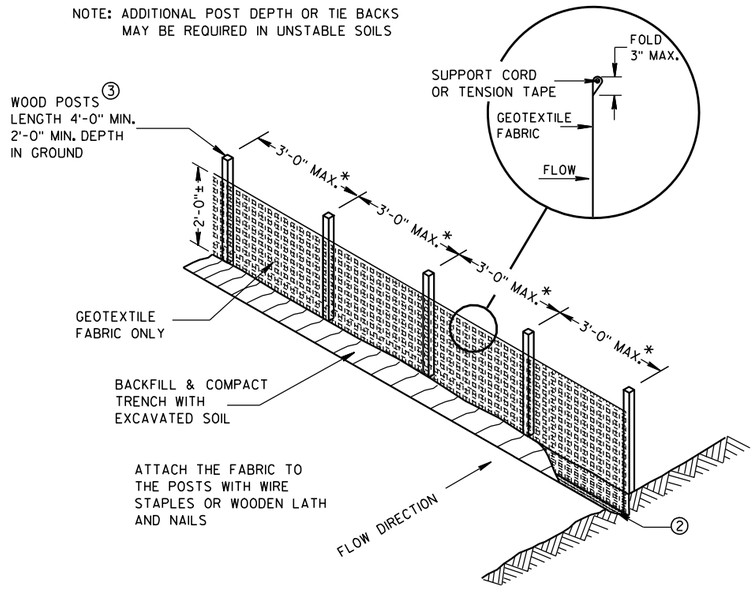
GENERAL NOTES

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

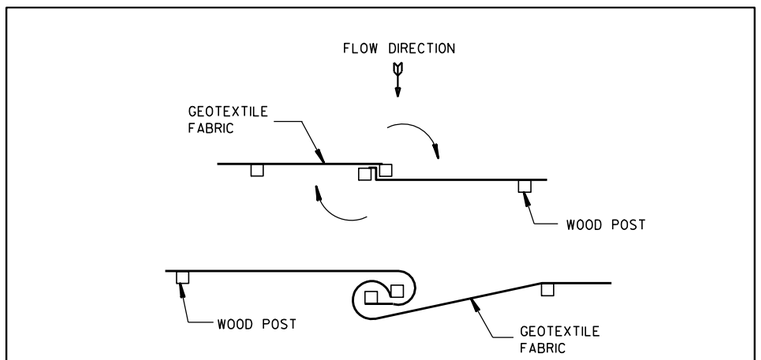
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



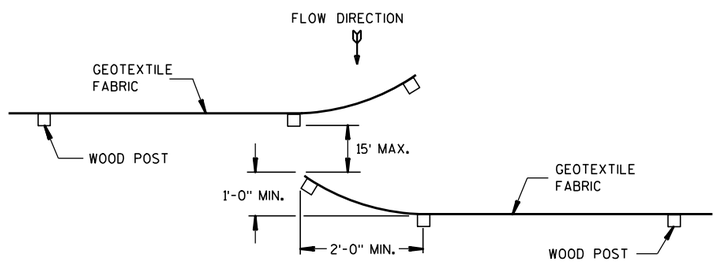
TRENCH DETAIL



SILT FENCE

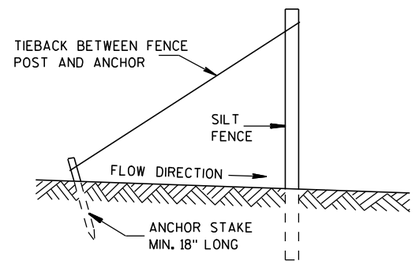


TWIST METHOD



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

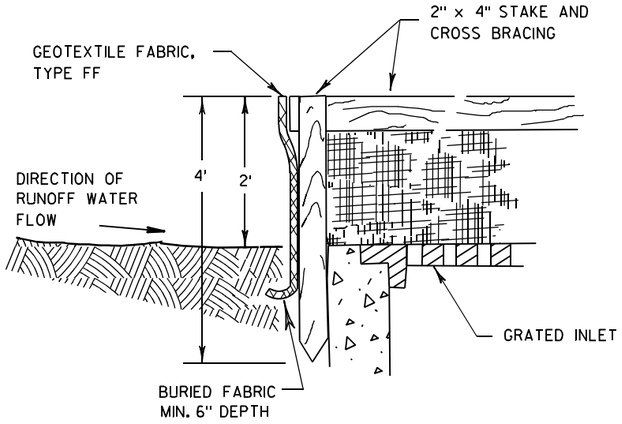
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

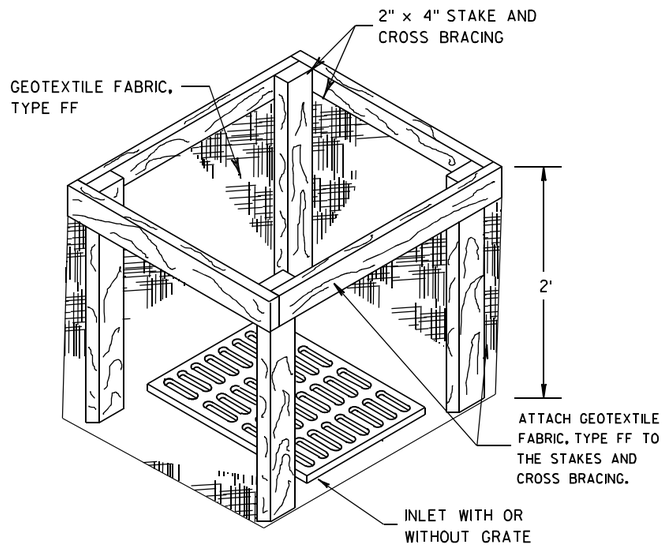
6

S.D.D. 8 E 9-6

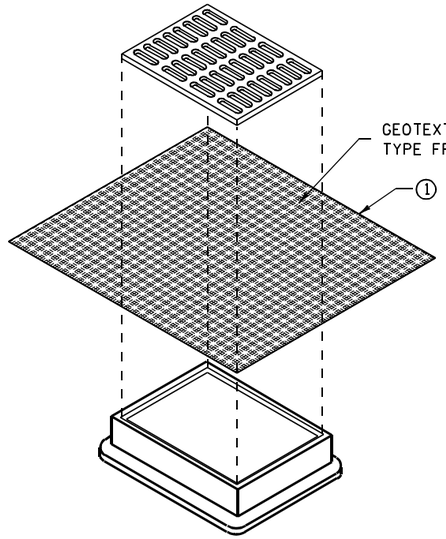
6

S.D.D. 8 E 9-6



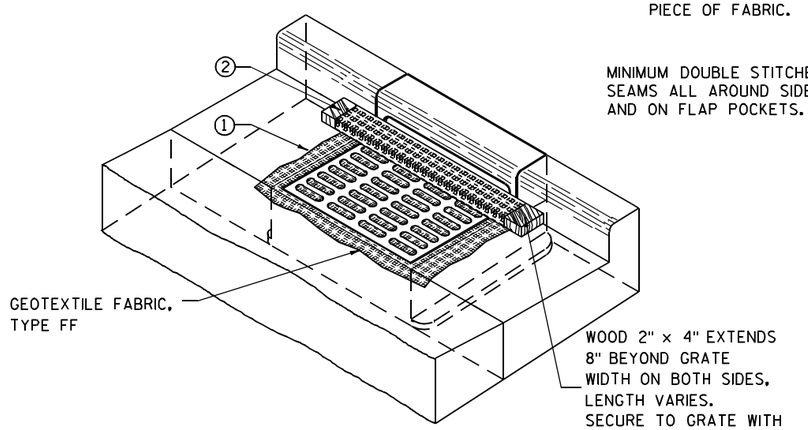


INLET PROTECTION, TYPE A

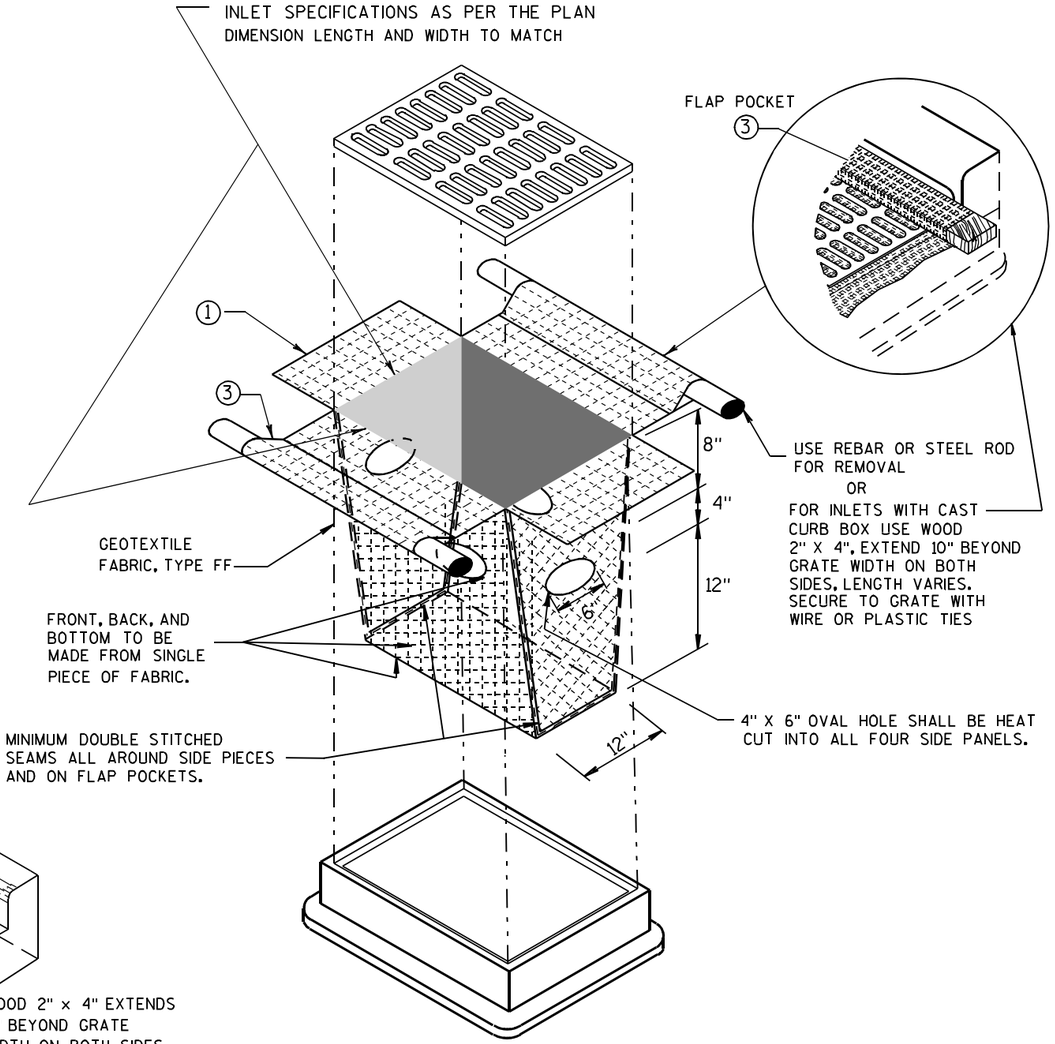


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

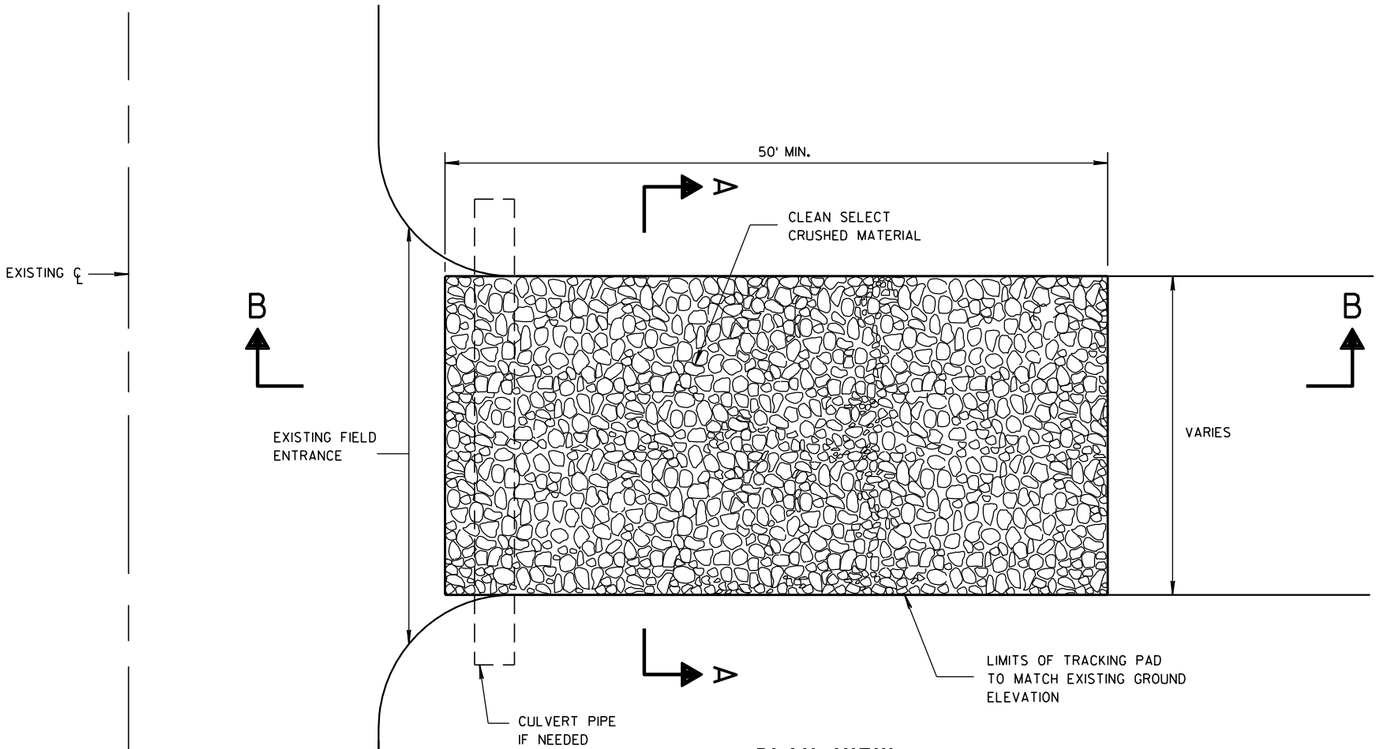
FHWA

6

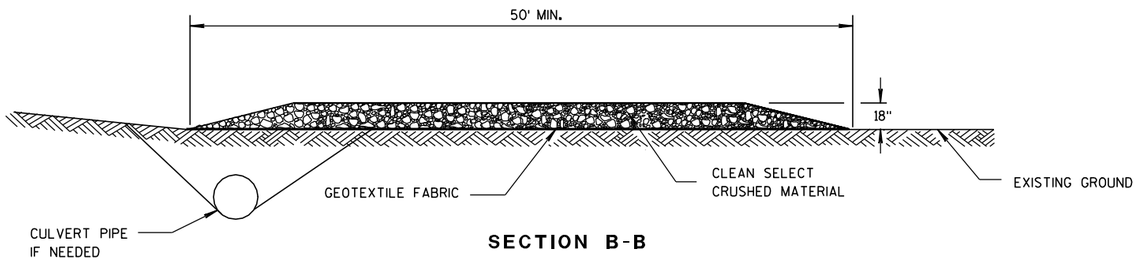
S.D.D. 8 E 10-2

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.

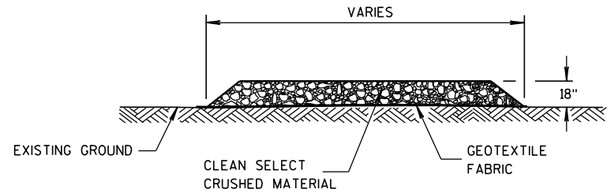
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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 FHWA	/S/ Jerry H. Zoda ROADWAY STANDARDS ENGINEER
	182
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S.D.D. 8 E 14-1

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S.D.D. 8 E 14-1

METAL APRON ENDWALLS

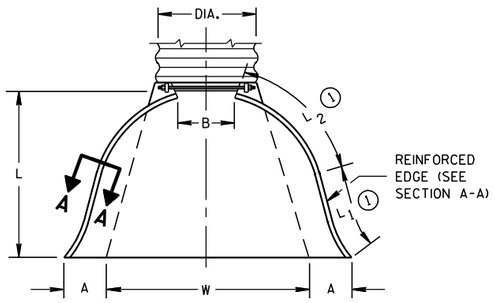
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

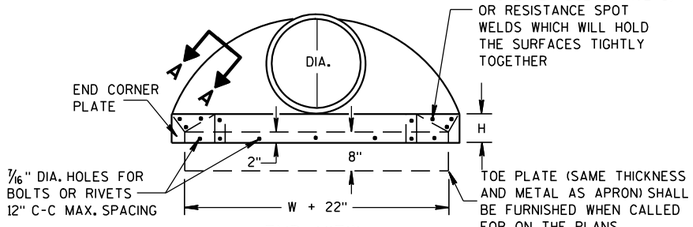
REINFORCED CONCRETE APRON ENDWALLS

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

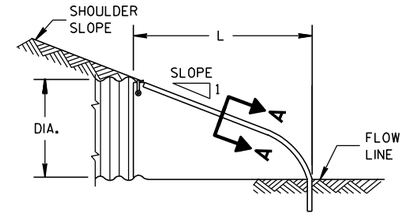
*MINIMUM
**MAXIMUM



PLAN VIEW

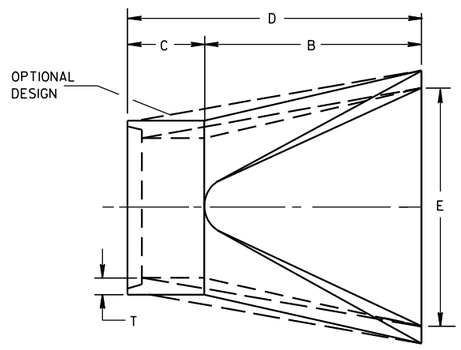


END VIEW

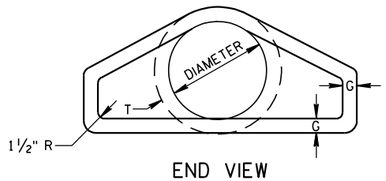


SIDE ELEVATION

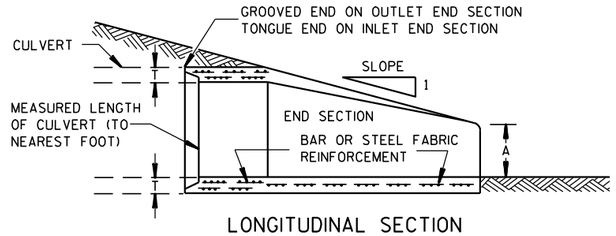
METAL ENDWALLS



PLAN

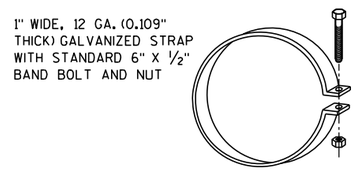


END VIEW



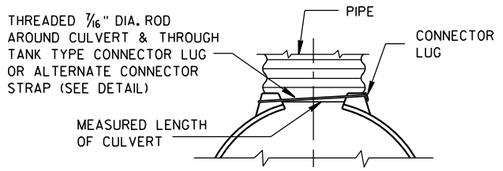
LONGITUDINAL SECTION

CONCRETE ENDWALLS

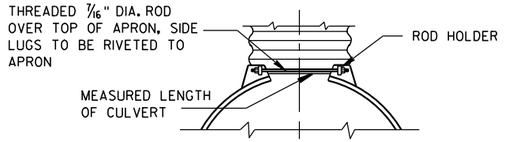


ALTERNATE FOR TYPE 1 CONNECTION

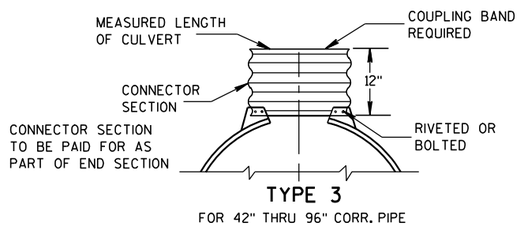
END SECTION CONNECTOR STRAP



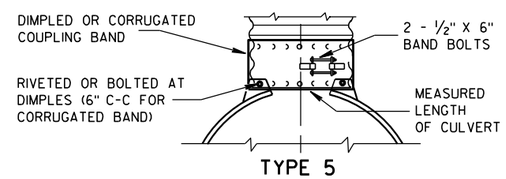
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

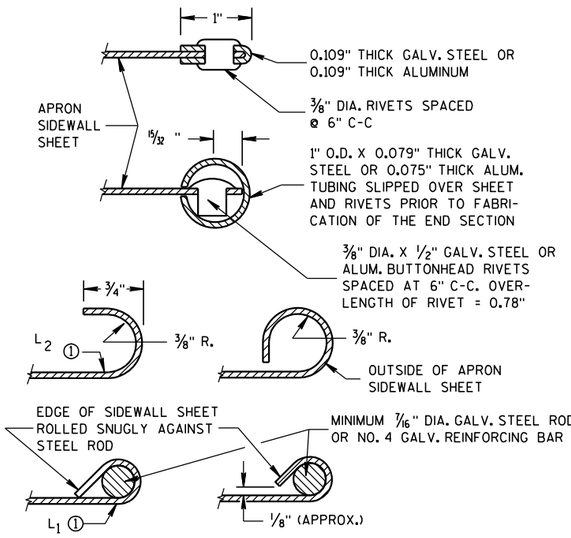
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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 DEVELOPMENT ENGINEER
FHWA

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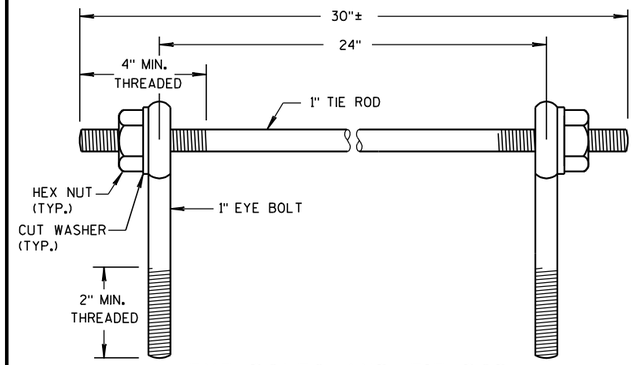
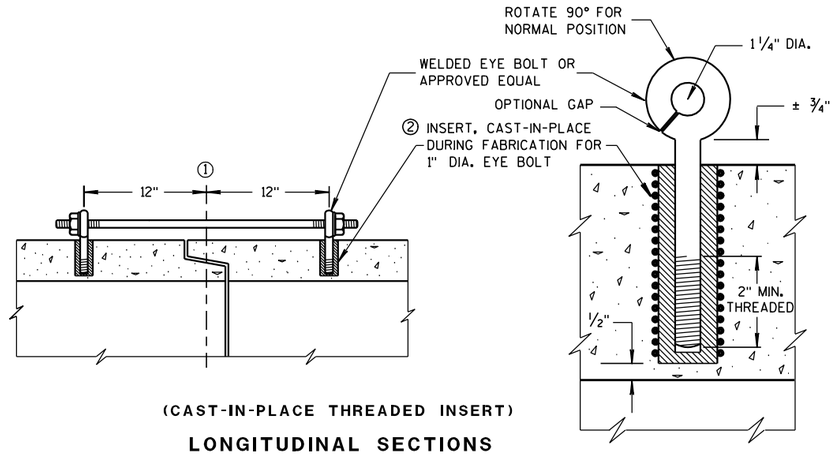
S.D.D. 8 F 1-11



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.

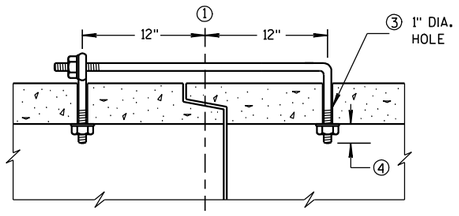
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

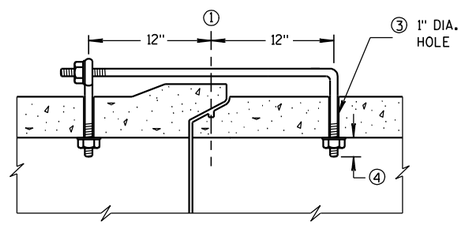
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

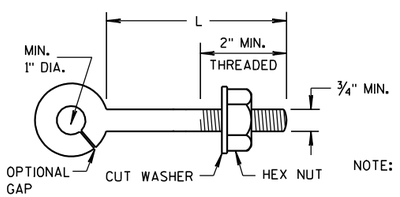


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

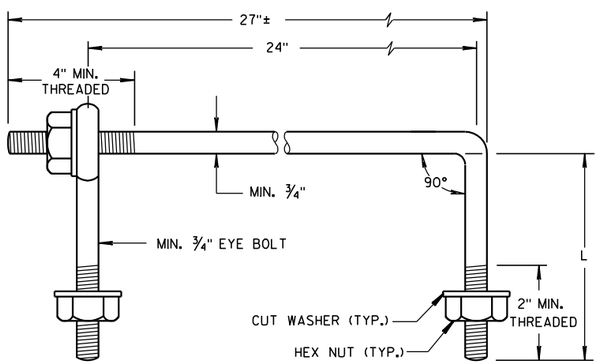
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

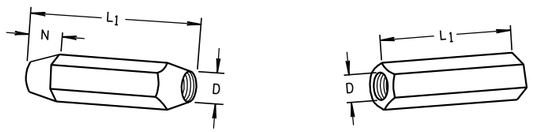
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

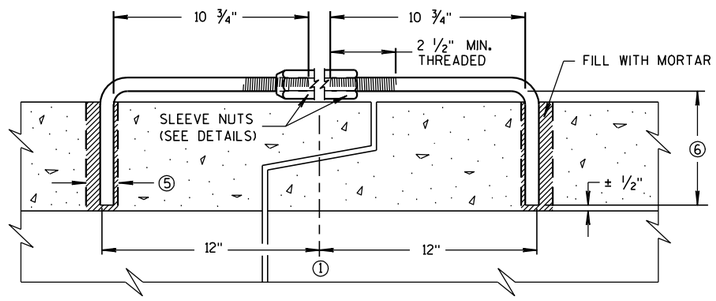
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

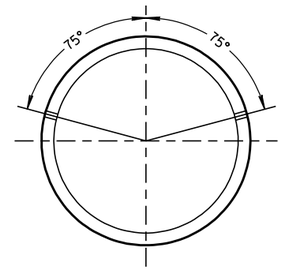
SLEEVE NUTS



LONGITUDINAL SECTION

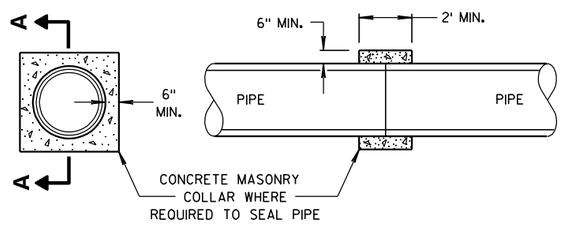
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
184
FHWA

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S.D.D. 8 F 4-7

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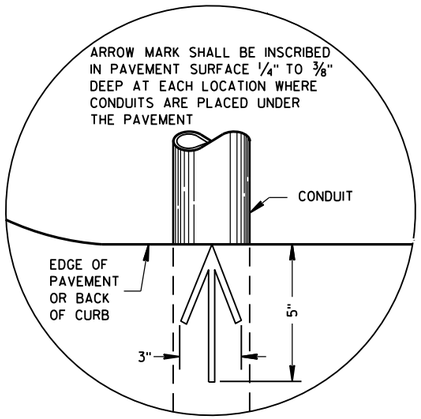
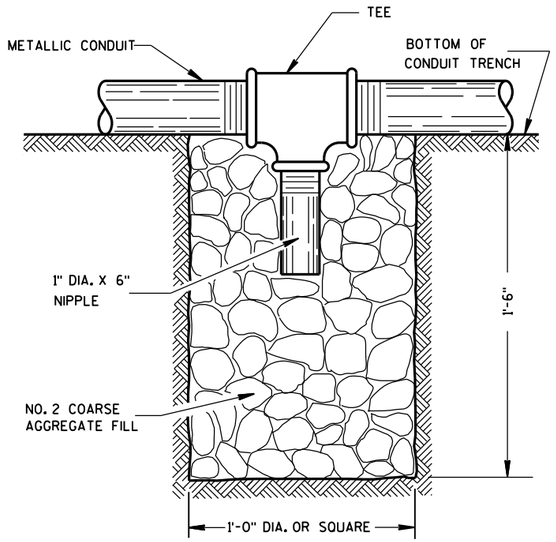
S.D.D. 8 F 4-7



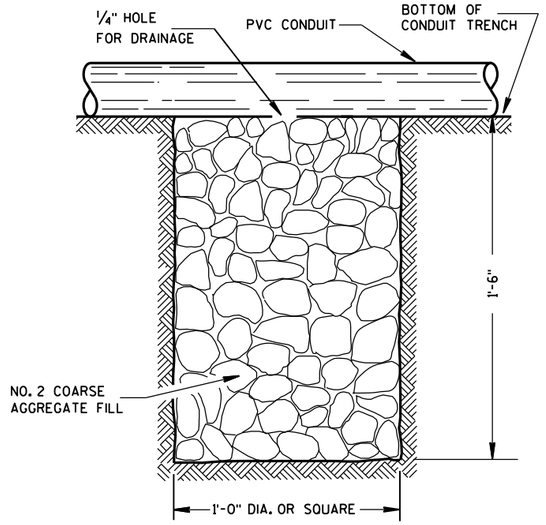
PLAN VIEW

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.

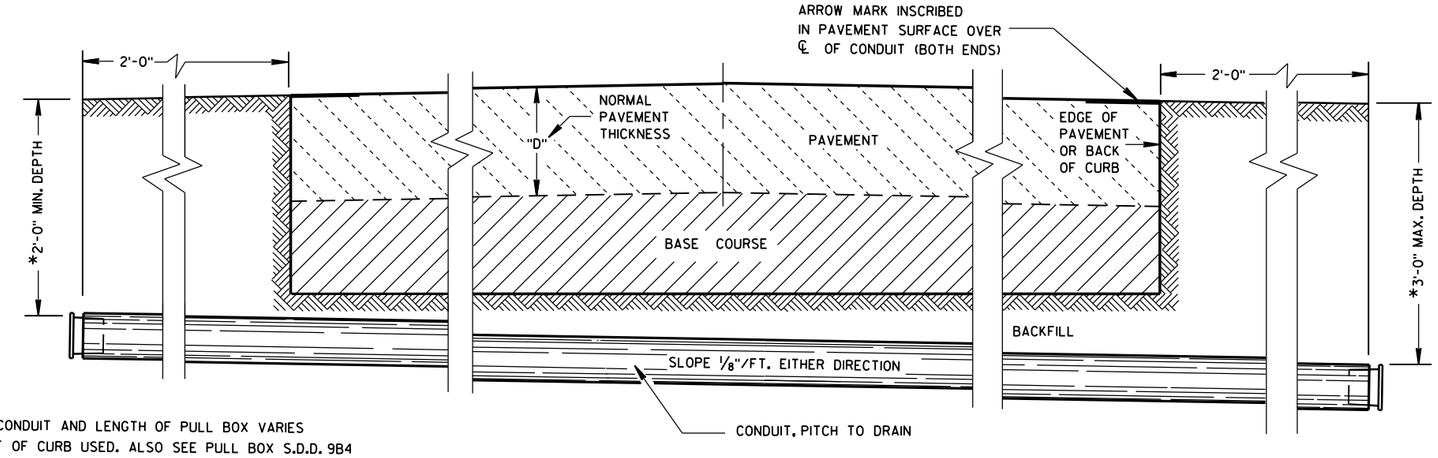
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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
FHWA

6

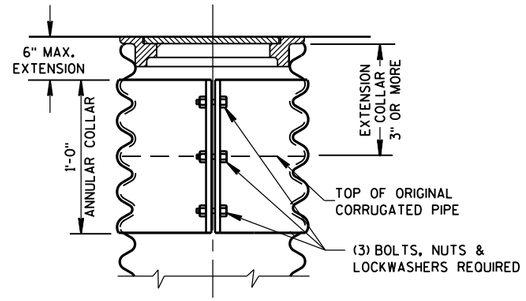
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

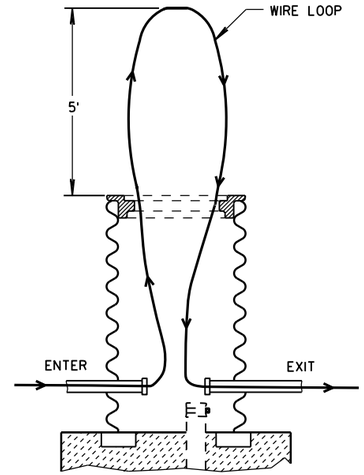
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

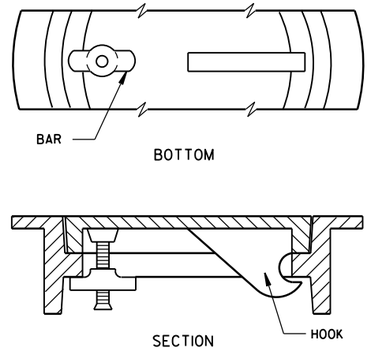
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

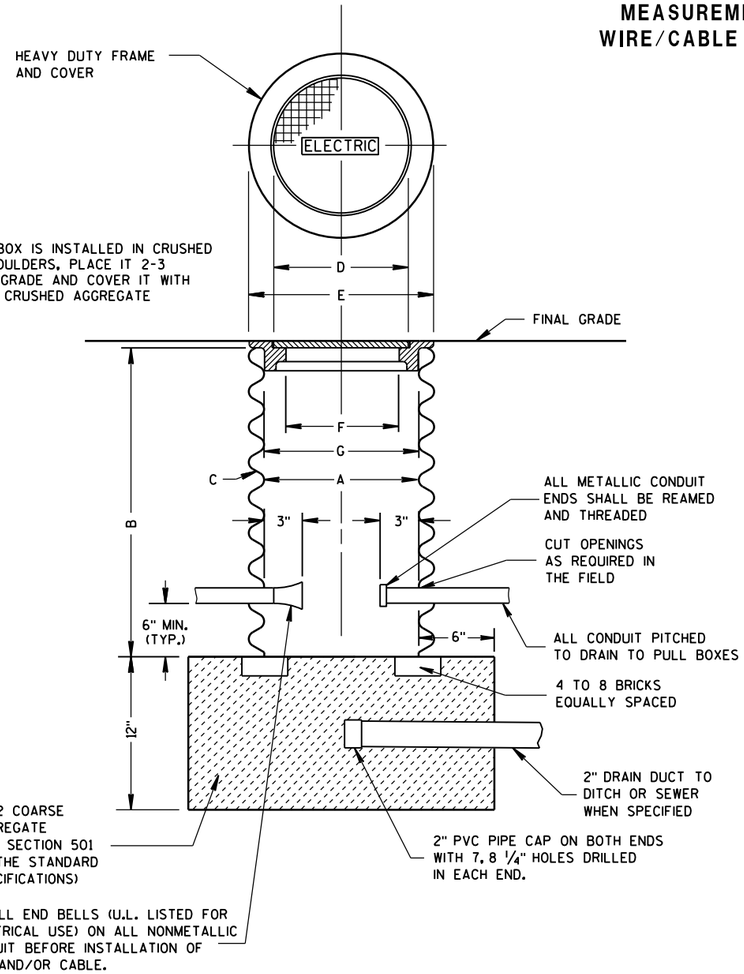


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



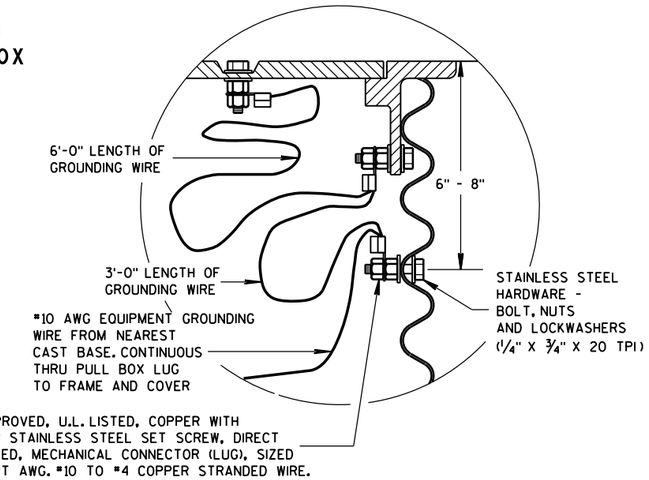
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



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

PULL BOX



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.

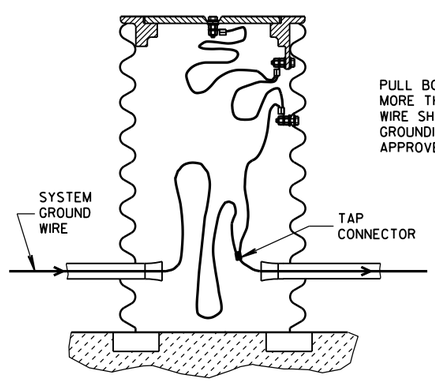
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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 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

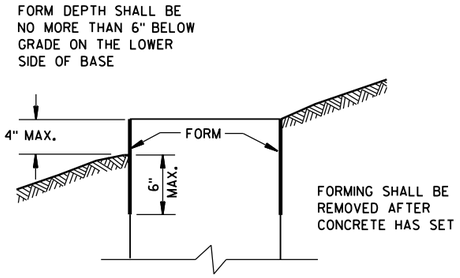
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
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.

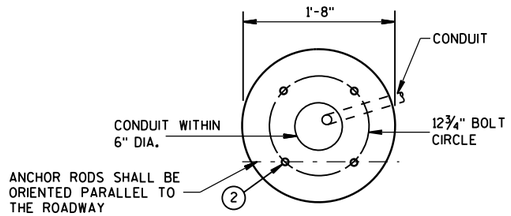
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

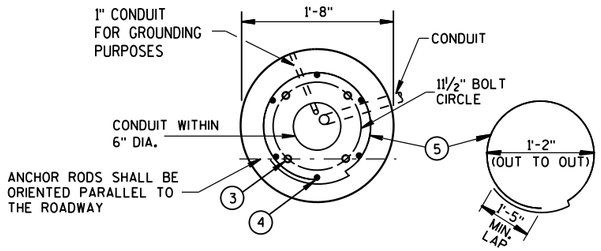
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

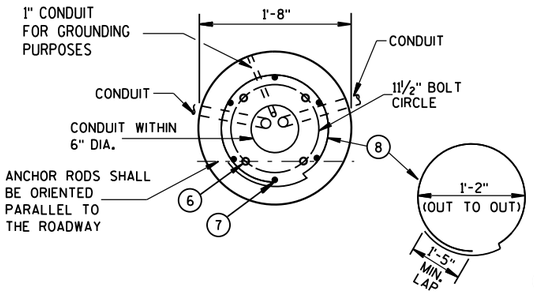
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

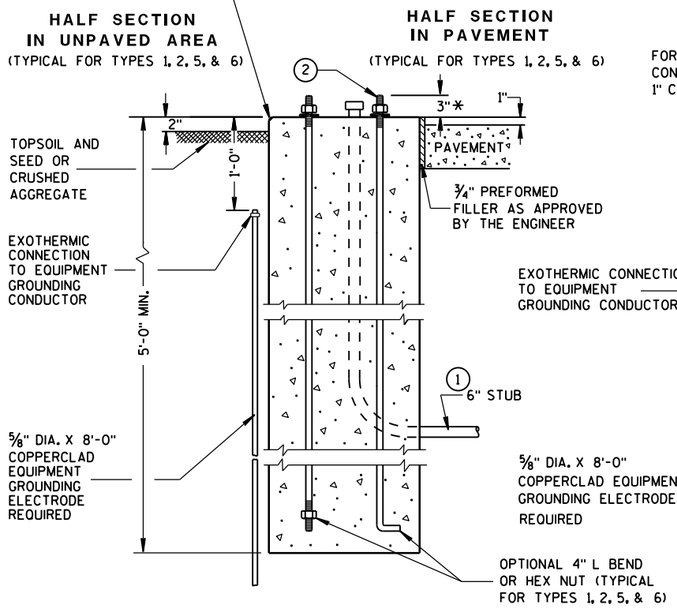


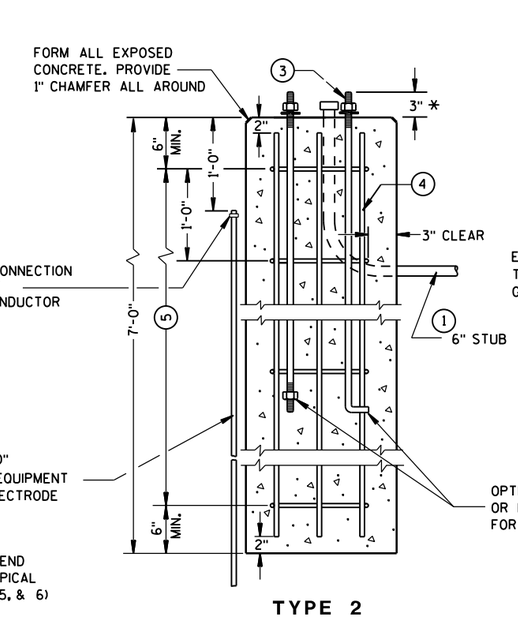




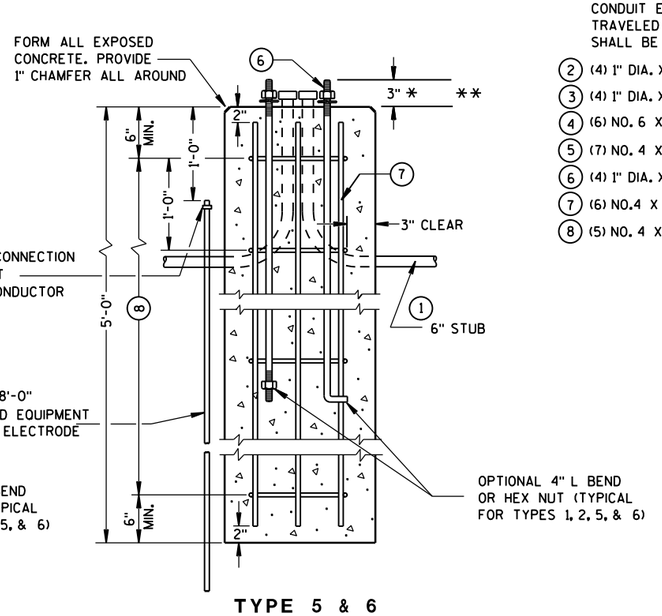
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

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.

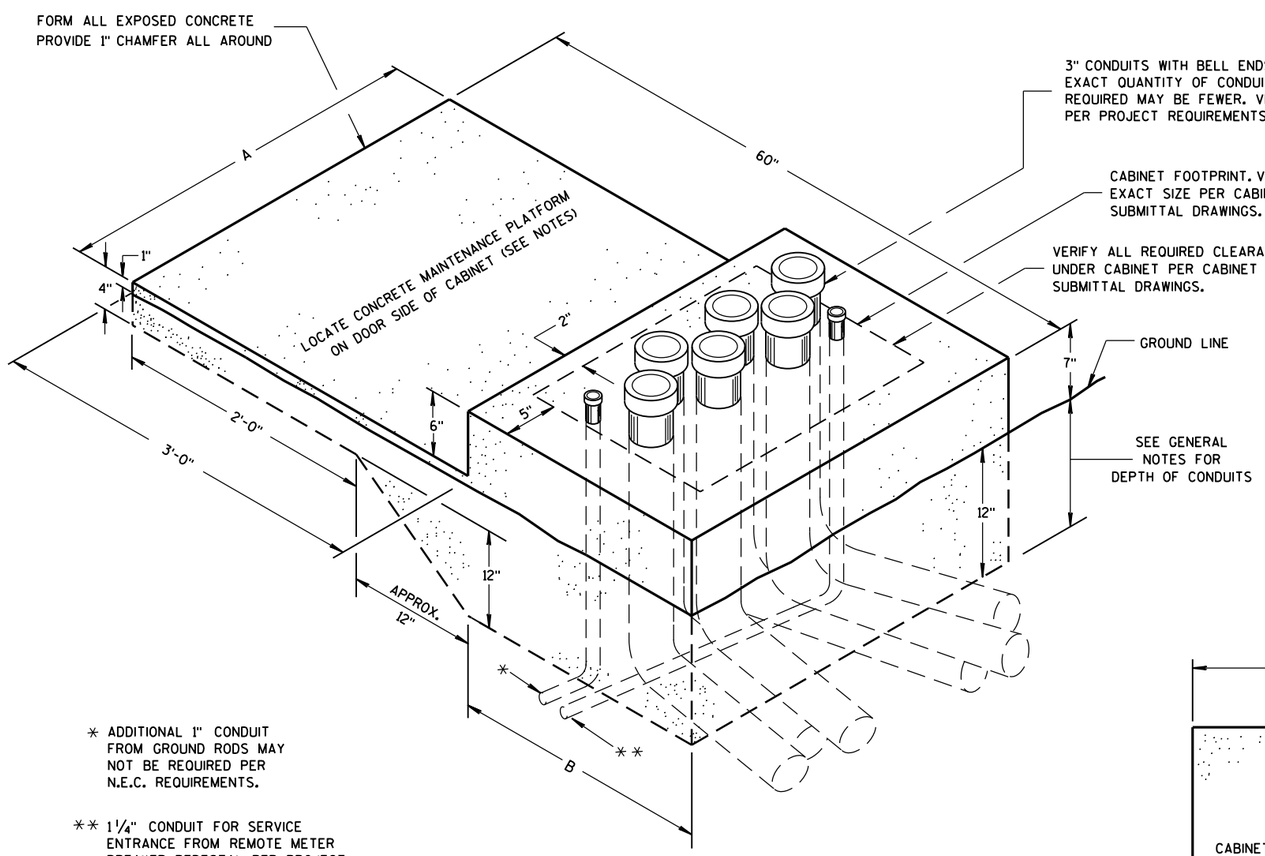
CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

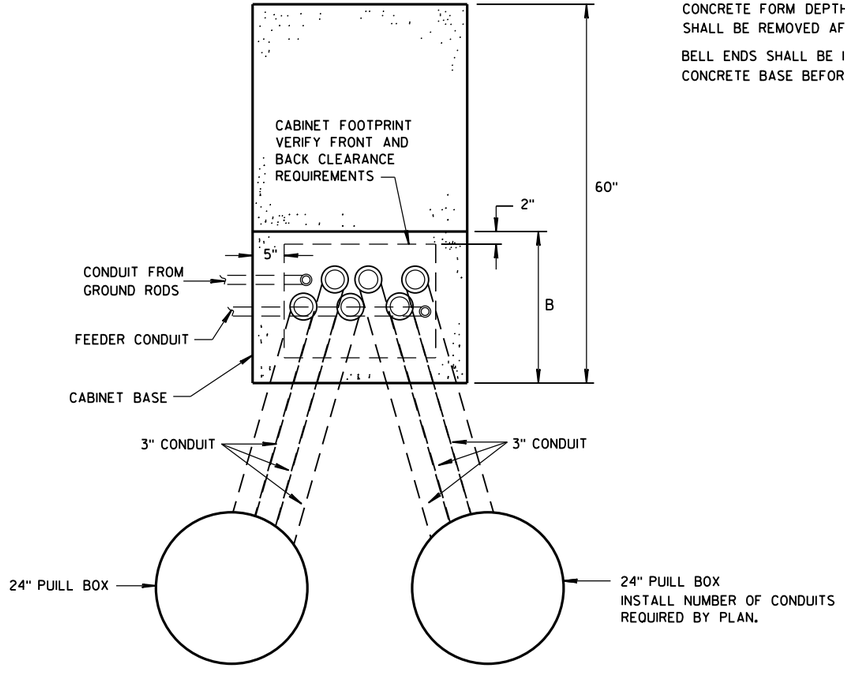
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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
FHWA

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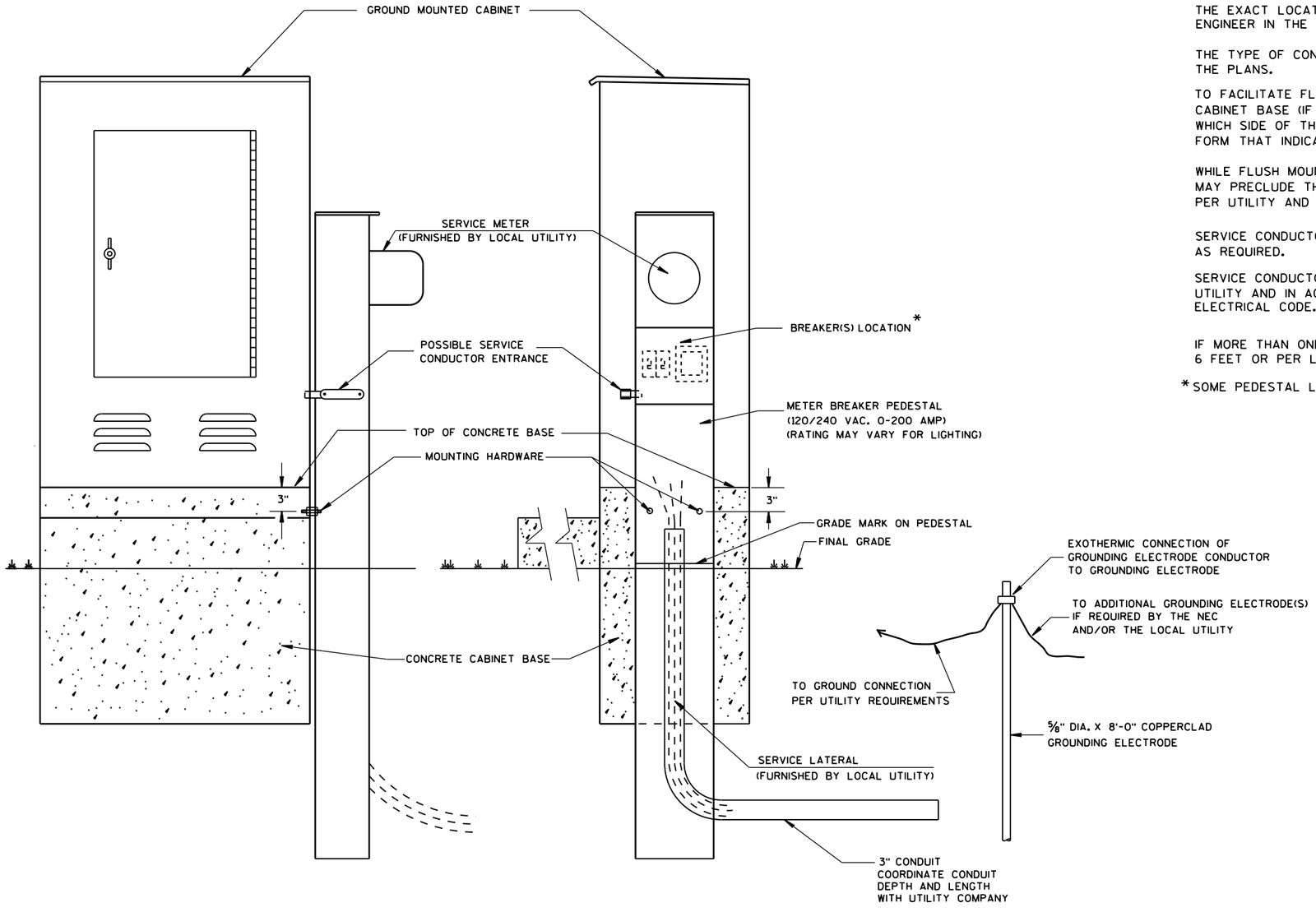
S.D.D. 9 C 14-2



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.

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S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

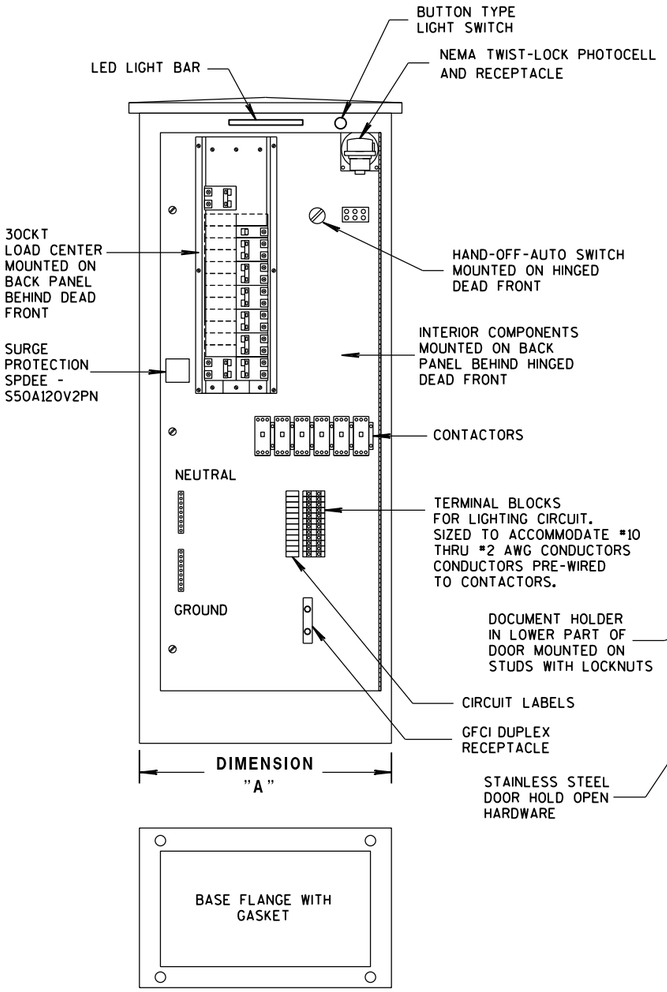
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW

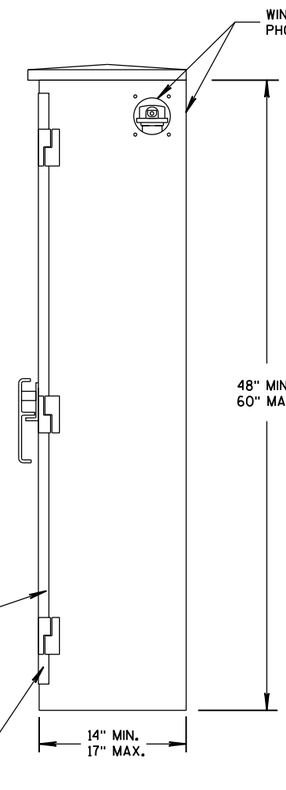
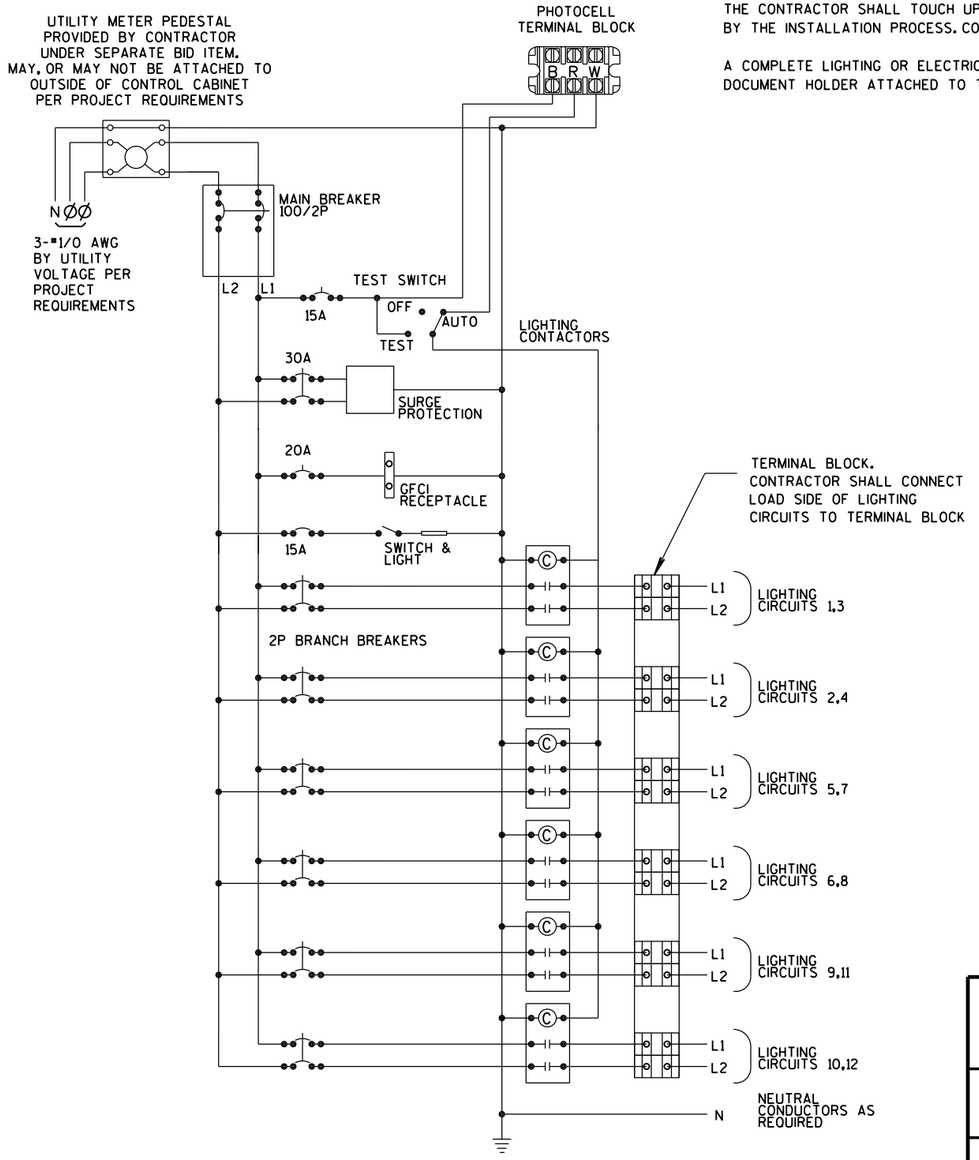


TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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 120/240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 DATE
/S/ Thomas Gonring STATE LIGHTING ENGINEER
FHWA

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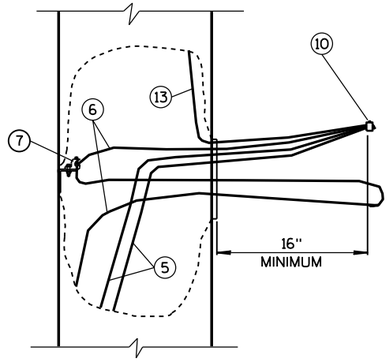
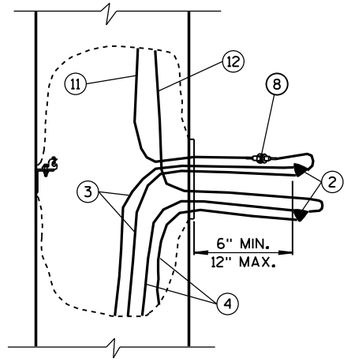
S.D.D. 9 D 4-2

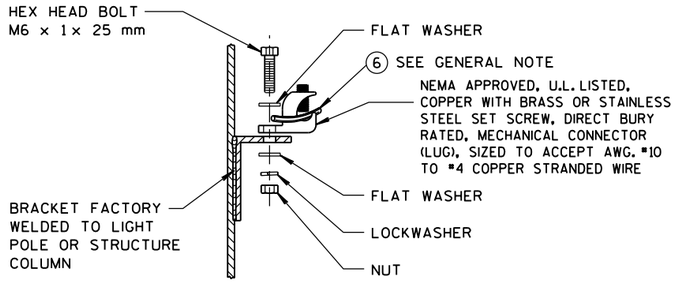


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



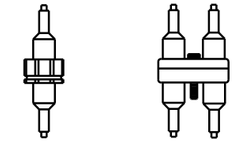
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

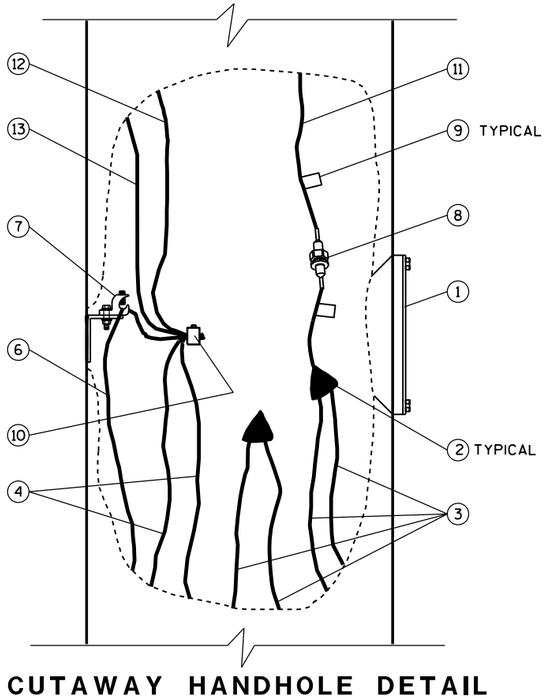
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

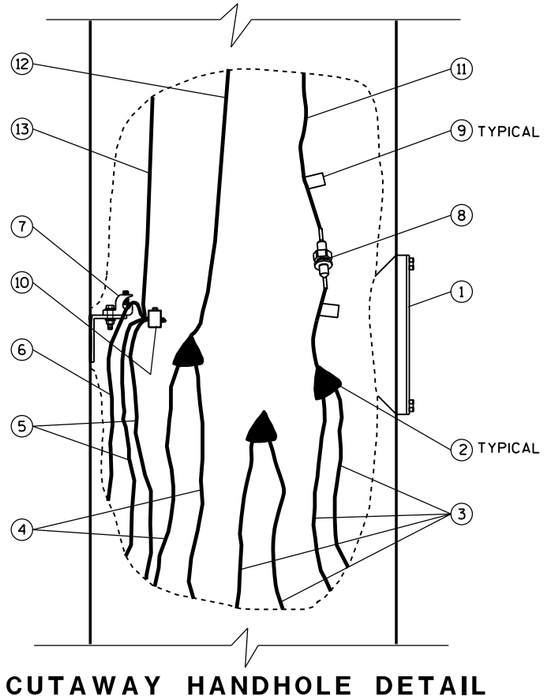
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

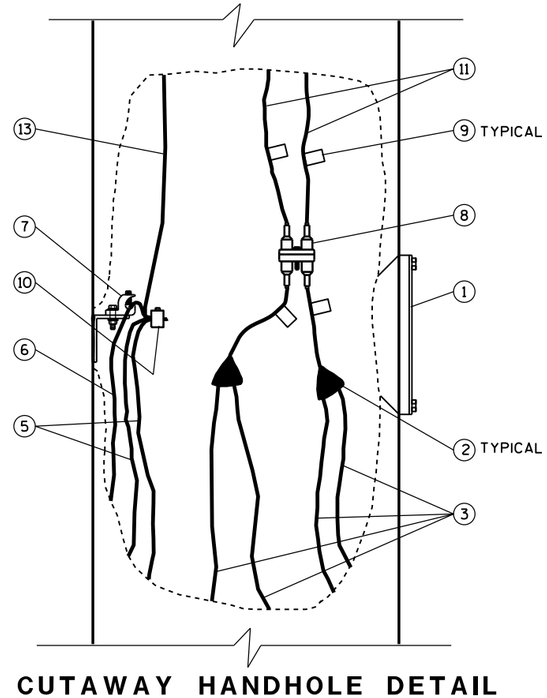
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



CUTAWAY HANDHOLE DETAIL
GROUNDED NEUTRAL SYSTEMS
1-Φ



CUTAWAY HANDHOLE DETAIL
ISOLATED NEUTRAL SYSTEMS
1-Φ SHOWN; 3-Φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL
PHASE-TO-PHASE SYSTEMS
1-Φ SHOWN; 3-Φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 10 A 1-3

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

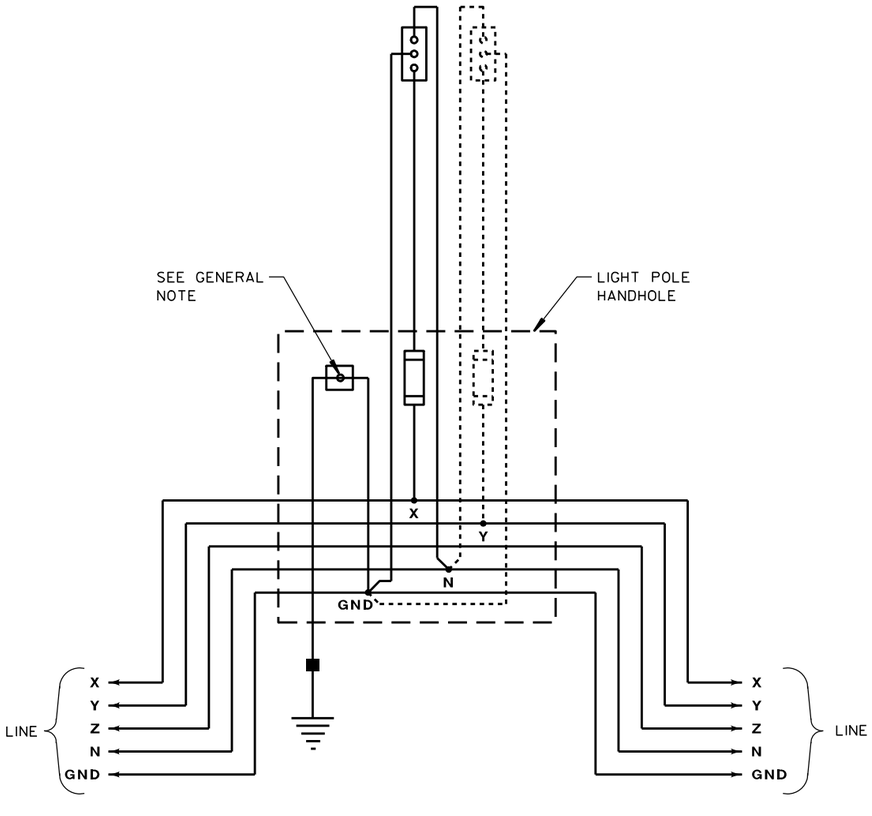
THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

HANDHOLE FUSE SCHEDULES

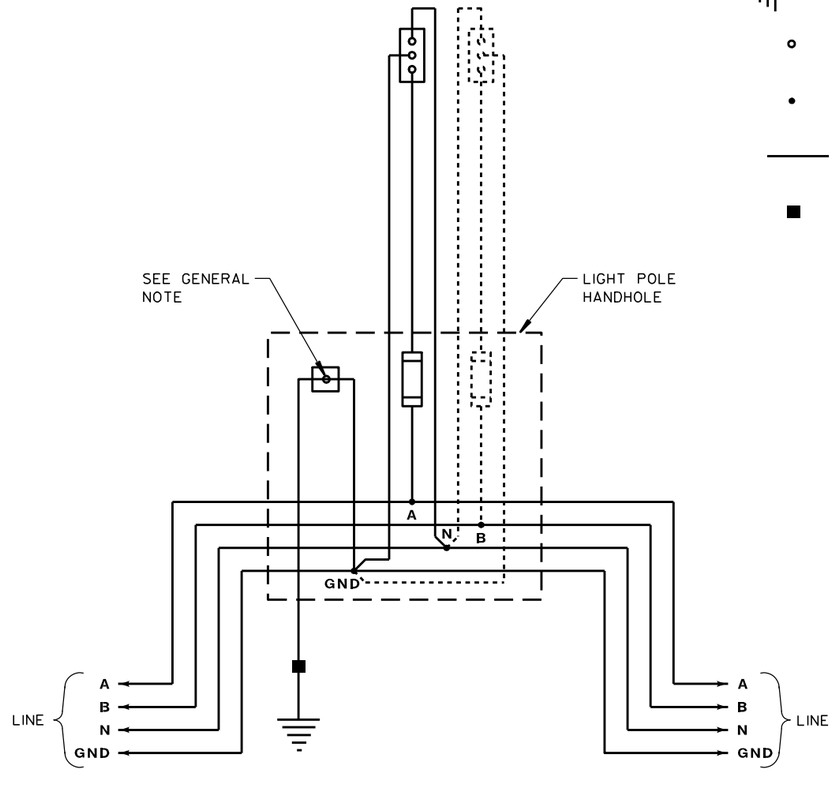
LINE VOLTAGE	BALLAST WATTAGE	
φ-GROUND	70-200 W	250-400 W
120 VAC	5 A	10 A
240 VAC	5 A	5 A
277 VAC	5 A	5 A
480 VAC	3 A	5 A

LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
φ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	TWO-POLE (2P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
3-φ 208Y/120VAC OR 480Y/277VAC 4 WIRE



TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
1-φ 120/240VAC OR 240/480VAC 3 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
ISOLATED NEUTRAL SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010
DATE
/S/ John Corbin
STATE ELECTRICAL ENGI
FHWA

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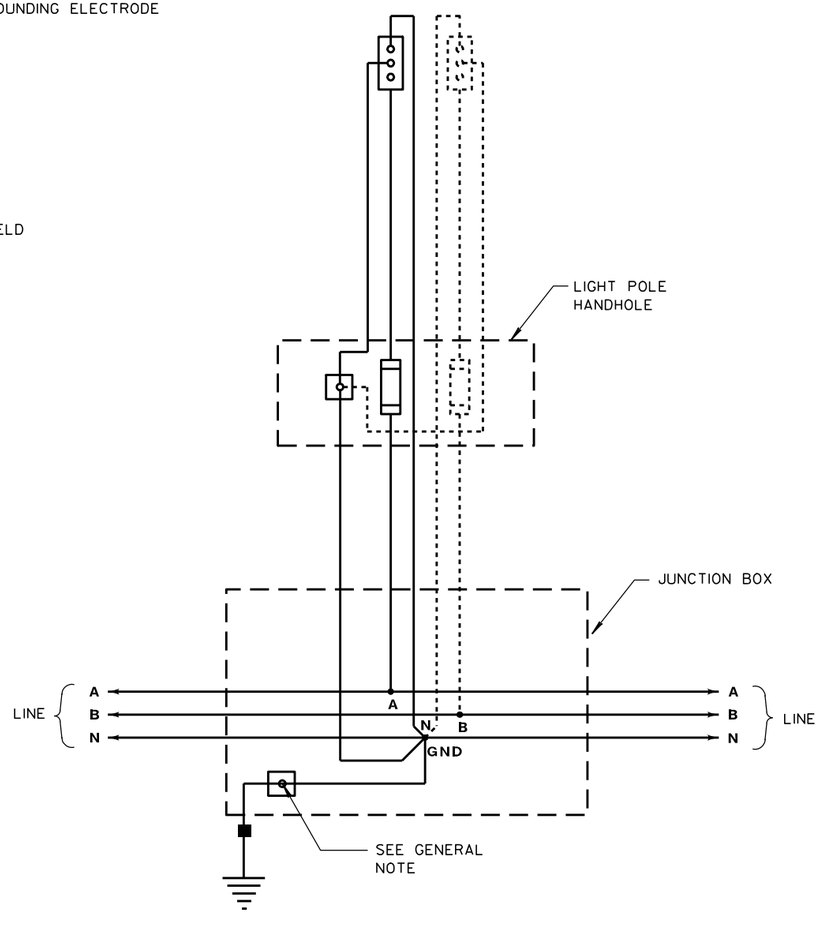
S.D.D. 10 A 5-2

LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	UNFUSED LUMINAIRE
	SINGLE POLE (1P) FUSE ASSEMBLY
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM

GROUNDED NEUTRAL SYSTEM
1-ϕ 240/480VAC OR 3 WIRE OR 480VAC 2 WIRE

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

WIRE SIZE FROM THE JUNCTION BOX TO THE POLE HANDHOLE SHALL EQUAL THE SIZE OF THE POLE WIRE.

THE INTENT OF JUNCTION BOX SPLICES AS SHOWN IN THIS DETAIL IS FOR LIGHTING SYSTEMS WITH HEAVY LINE WIRE TOO LARGE TO PULL THROUGH THE CONDUIT INTO THE POLE HANDHOLE. DUE TO CONDUIT FILL REQUIREMENTS OF N.E.C., AND/OR THE STIFFNESS OF THE WIRE COMPARED TO THE NUMBER OF BENDS IN THE CONDUIT. IN CASES WHERE LINE WIRE IS LIGHTER, SUCH AS SMALLER SYSTEMS OR TOWARD THE FURTHEST END OF A LARGER SYSTEM, PULL THE LINE WIRE INTO THE POLE HANDHOLE FOR SPLICING.

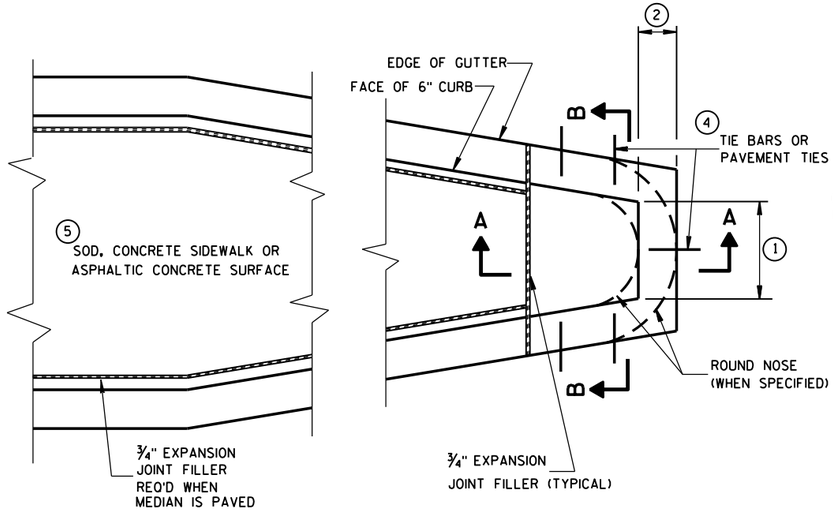
HANDHOLE FUSE SCHEDULES

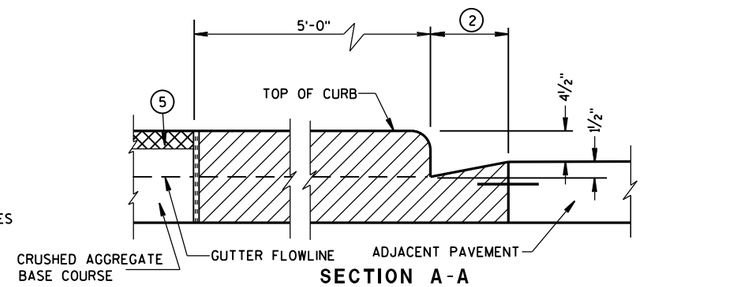
LINE VOLTAGE ϕ-GROUND	BALLAST WATTAGE 150-200 W	BALLAST WATTAGE 250-400 W
240 VAC	5 A	5 A
277 VAC	5 A	5 A
480 VAC	3 A	5 A

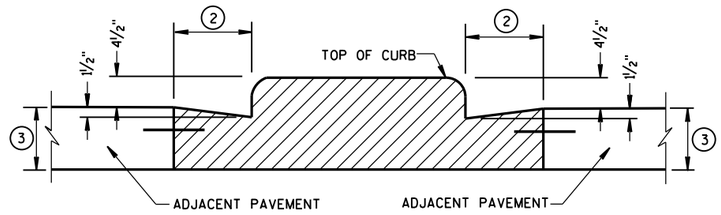
ELECTRICAL DETAILS
MEDIAN MOUNT LIGHT POLES
GROUNDED NEUTRAL SYSTEMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010 — DATE
/S/ John Corbin — STATE ELECTRICAL ENGI
193
HWYS
FHWA







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.

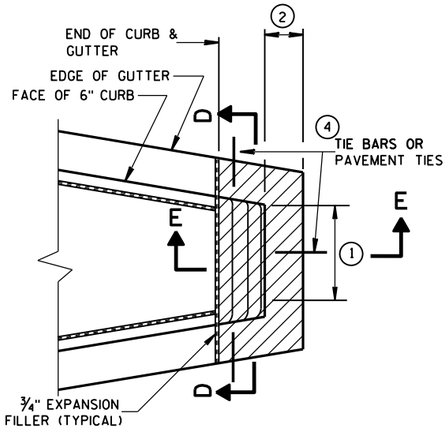
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

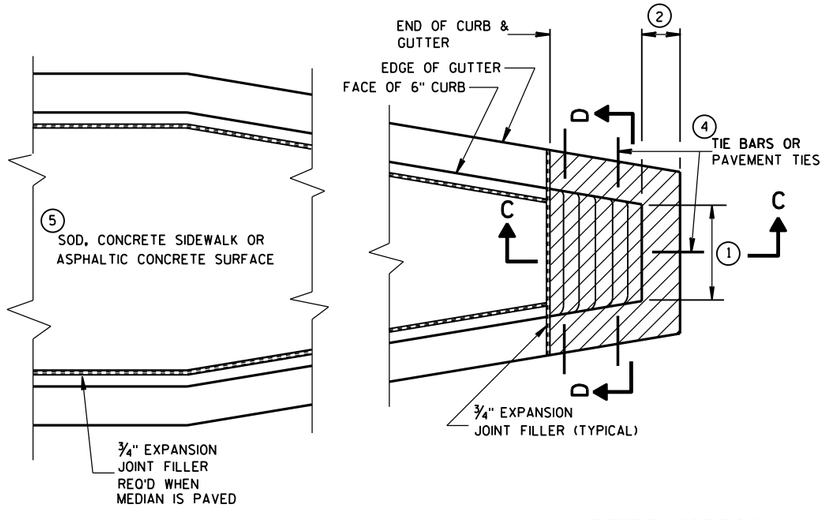
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

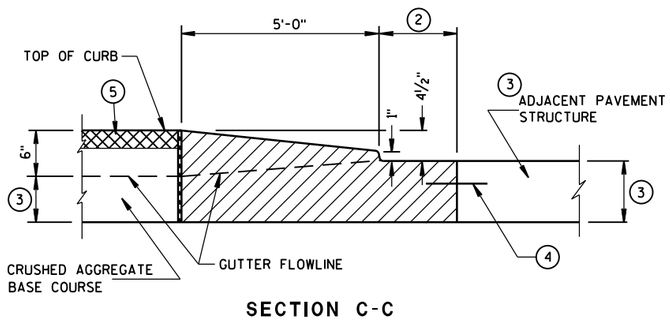
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

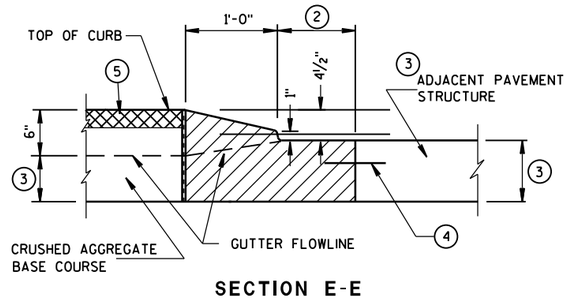
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



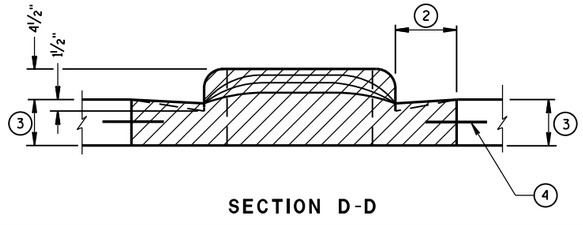






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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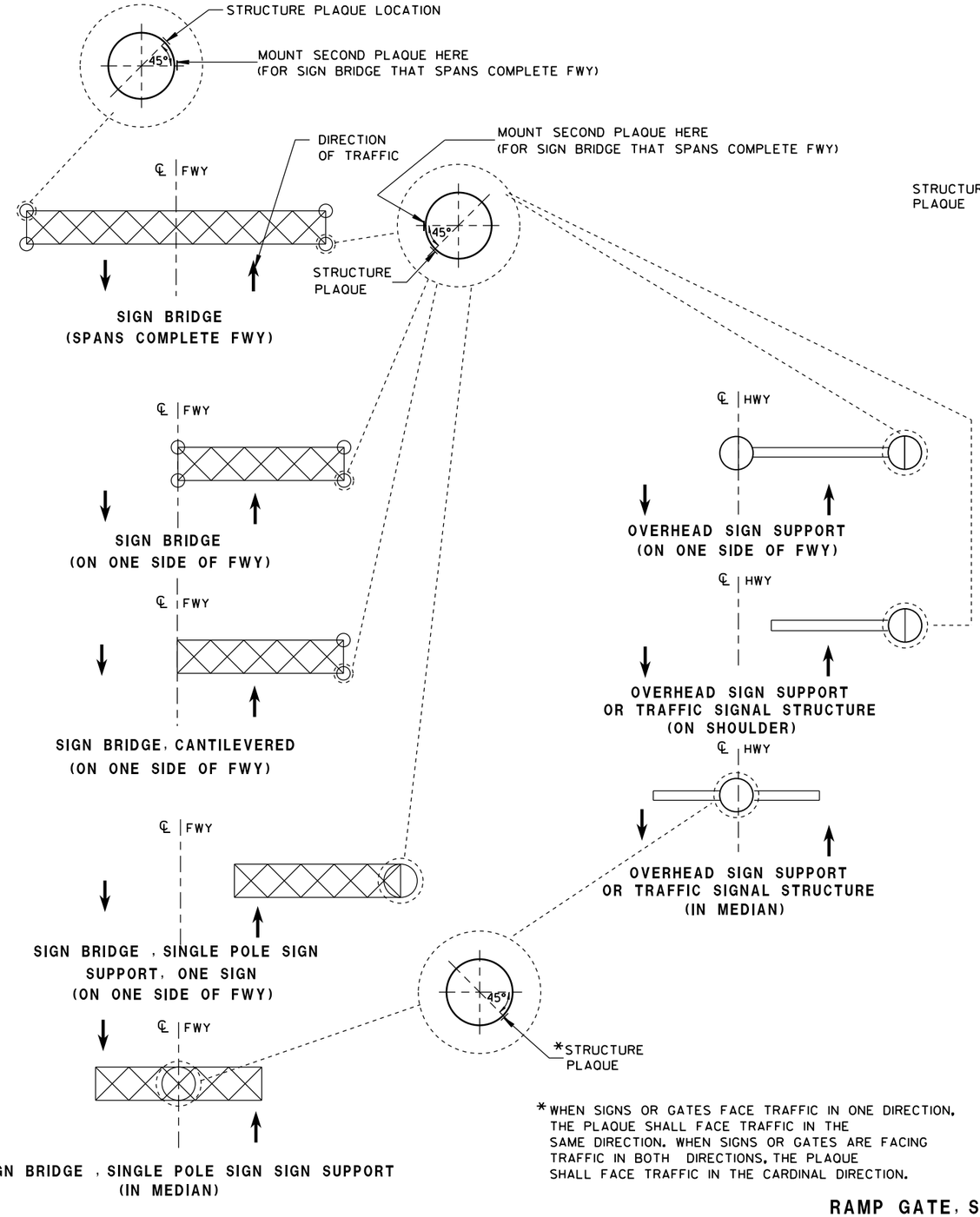
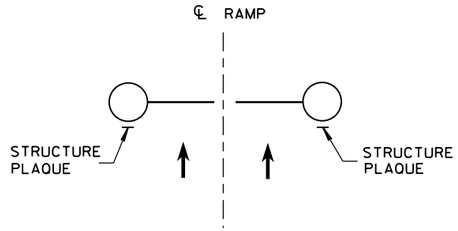
S.D.D. 11 B 2-2

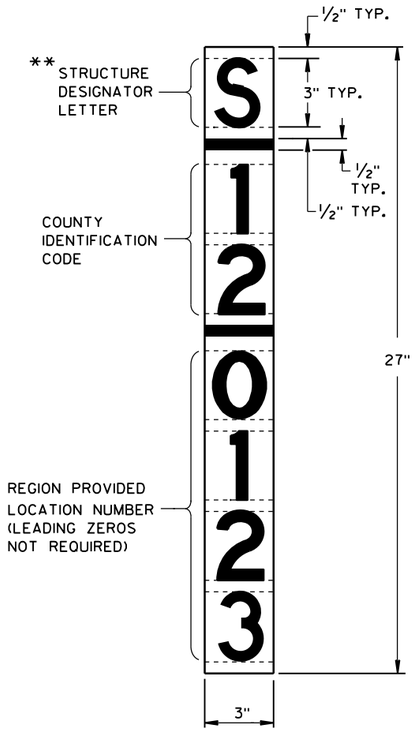


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

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.

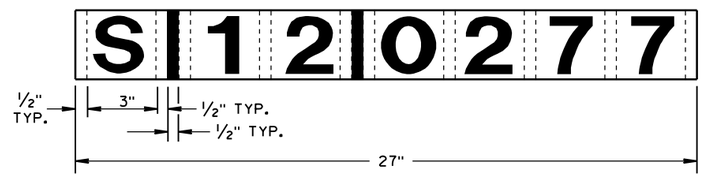
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

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.



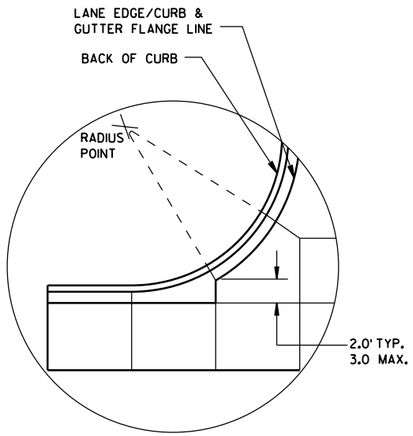
IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

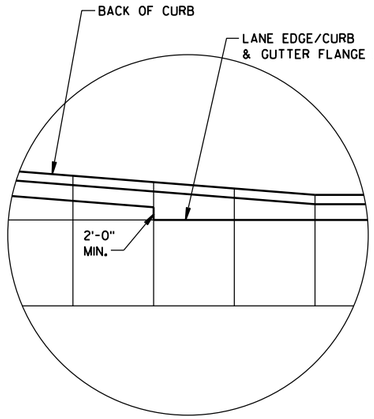
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA

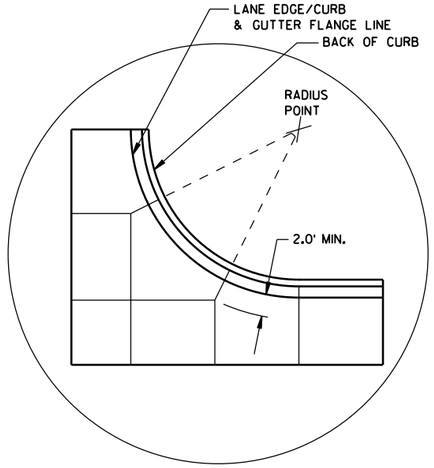
6
S.D.D. 12 A 4-3



DETAIL "A"



DETAIL "B"



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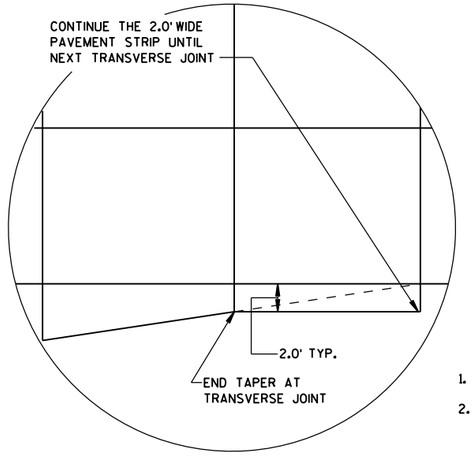


DETAIL "D"

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.

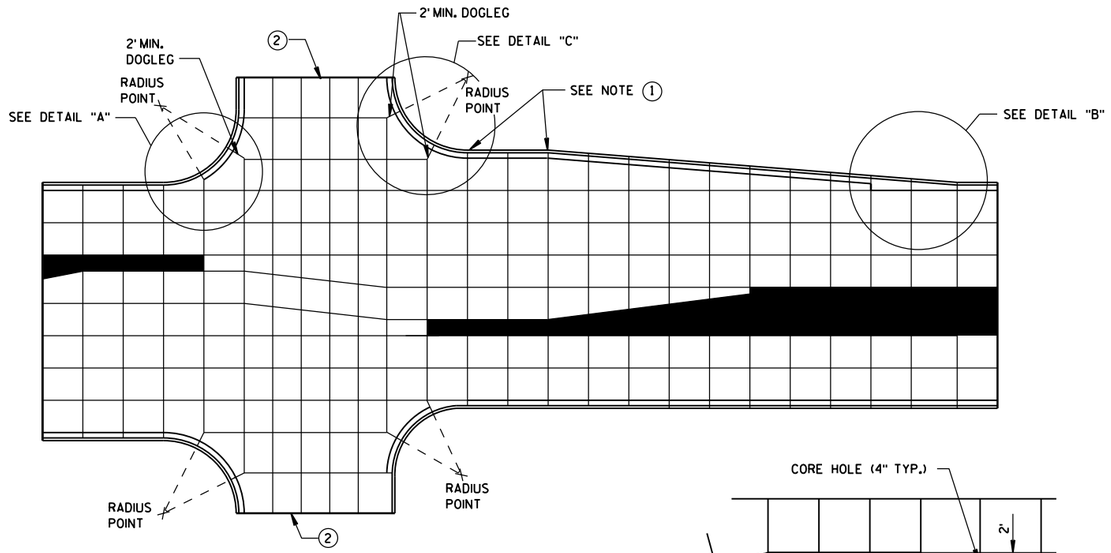
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

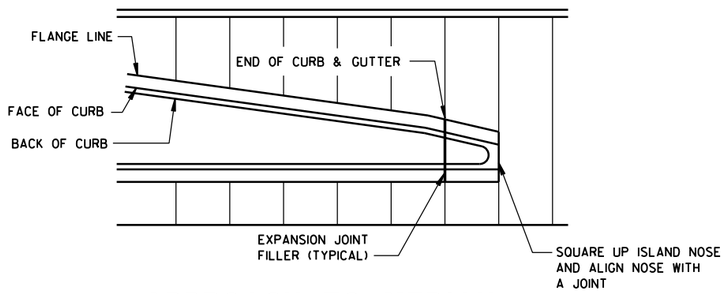
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



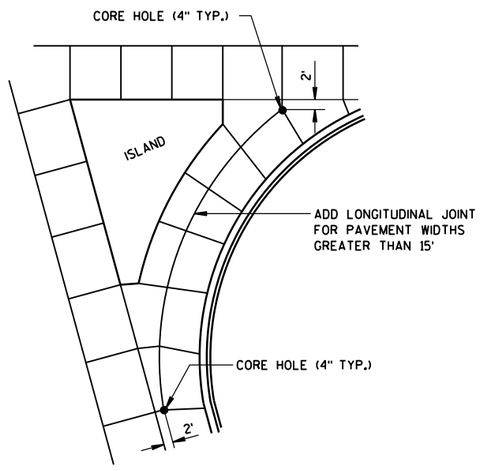
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

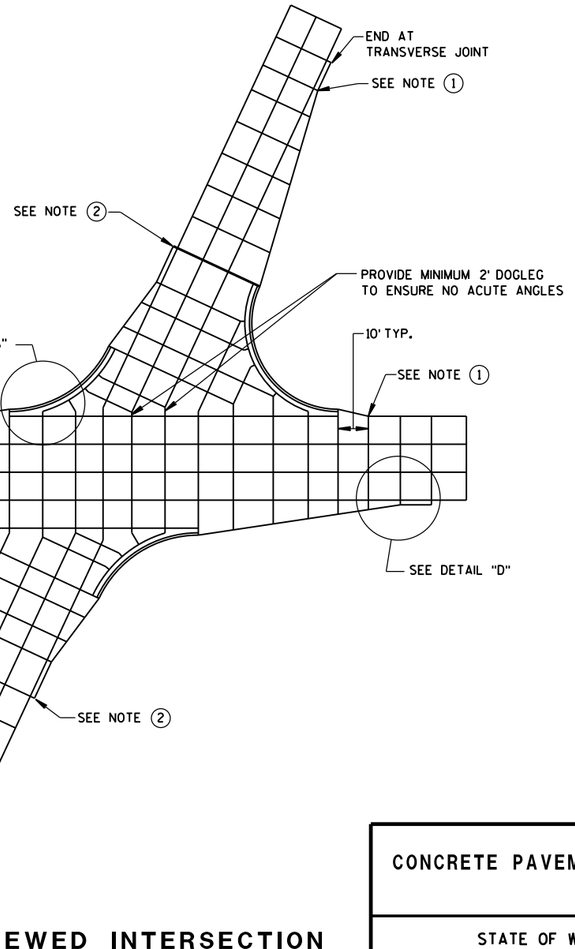
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

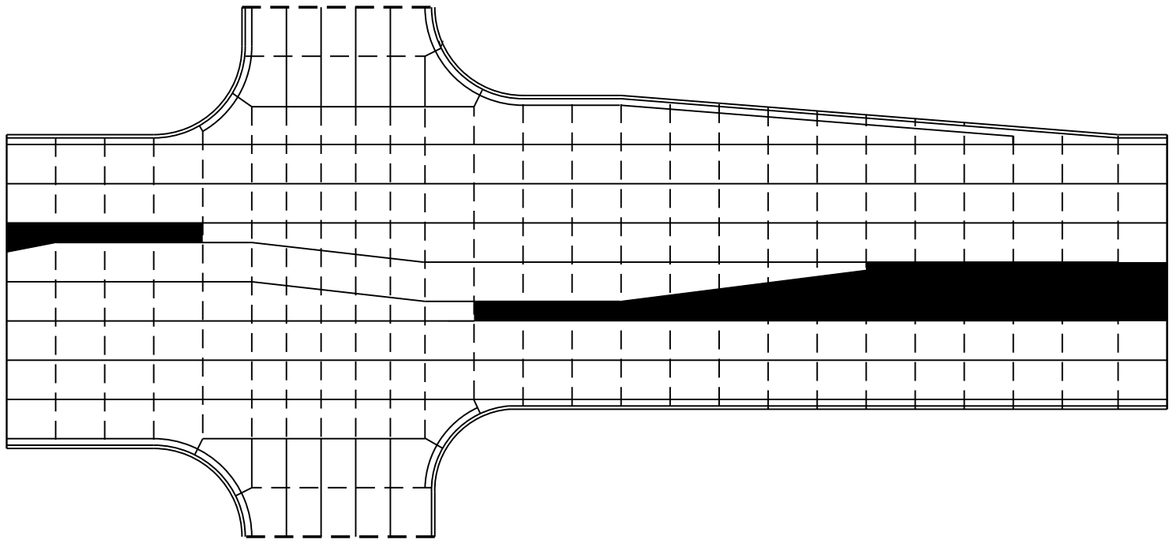
6
S.D.D. 13 C 18-3a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

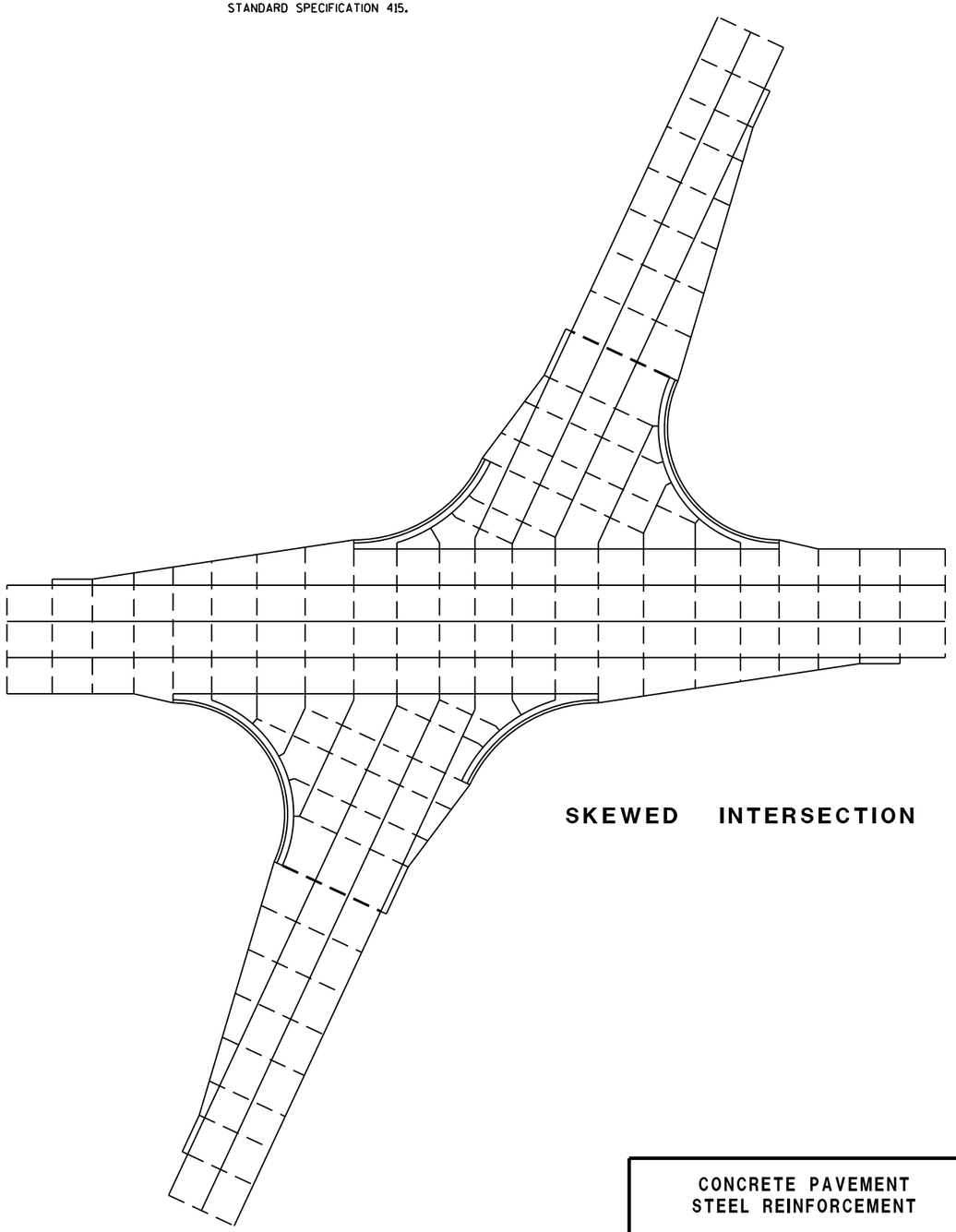
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

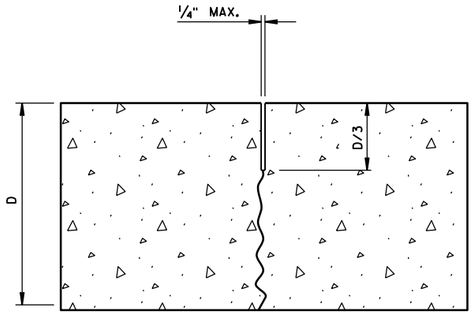
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

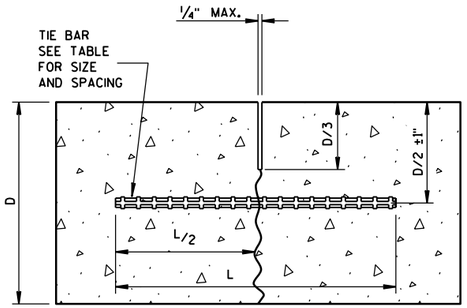
S.D.D. 13 C 18-3b

6

S.D.D. 13 C 18-3b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

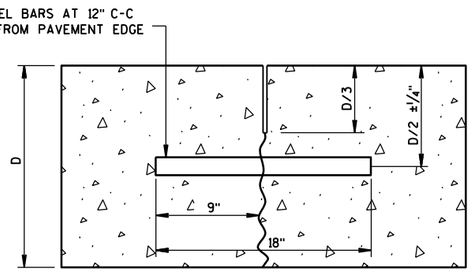
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* 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

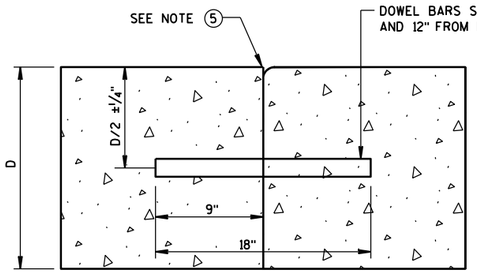
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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.



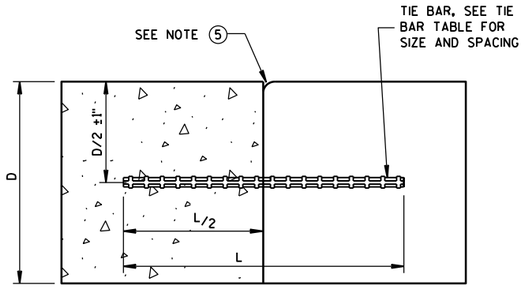
DOWELED-TRANSVERSE

CONTRACTION JOINTS

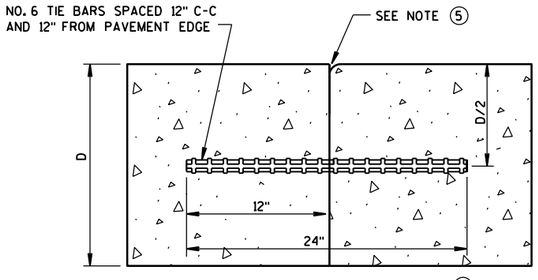
SEE NOTE (2)



DOWELED TRANSVERSE (3)

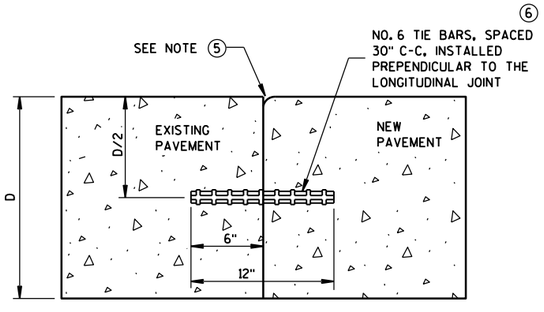


TIED LONGITUDINAL



TIED TRANSVERSE (3)

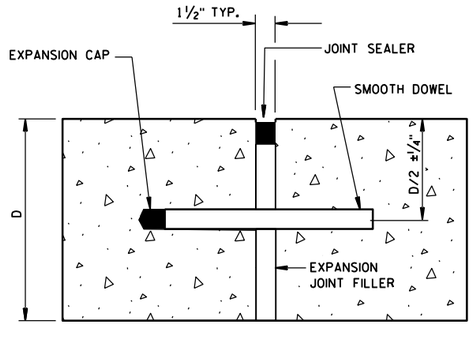
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

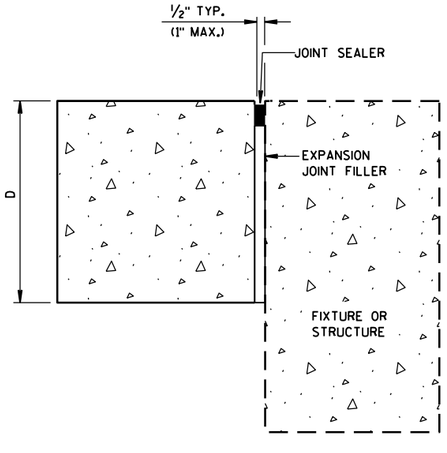
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

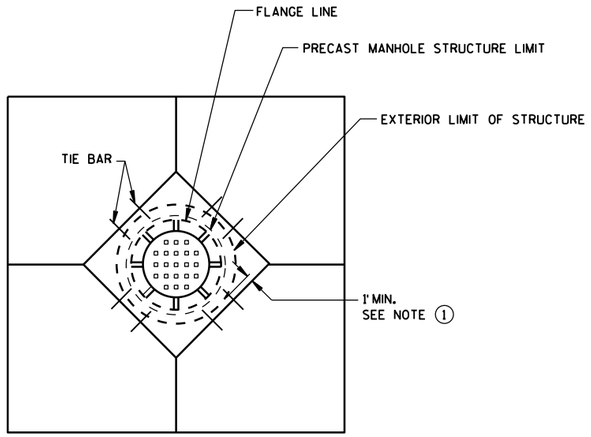
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

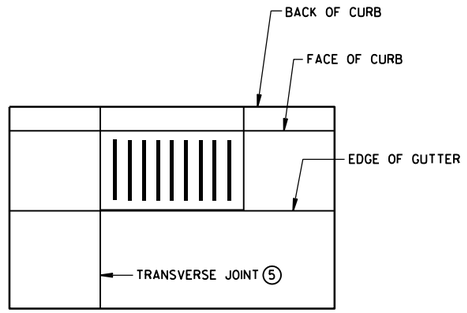
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

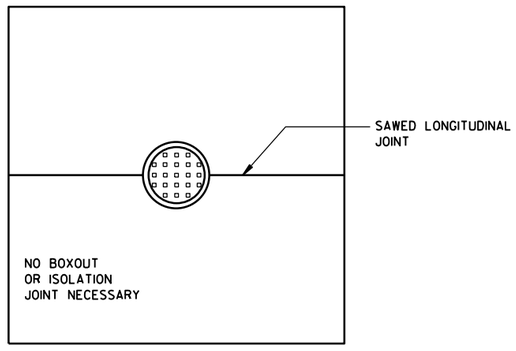
S.D.D. 13 C 18-3c



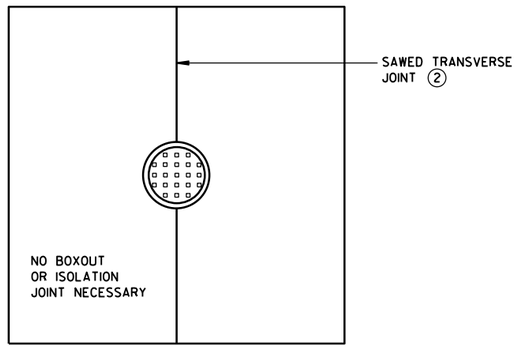
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



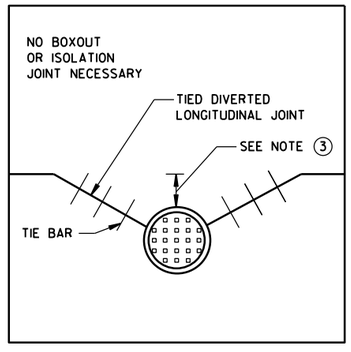
INLET WITH TRANSVERSE JOINT



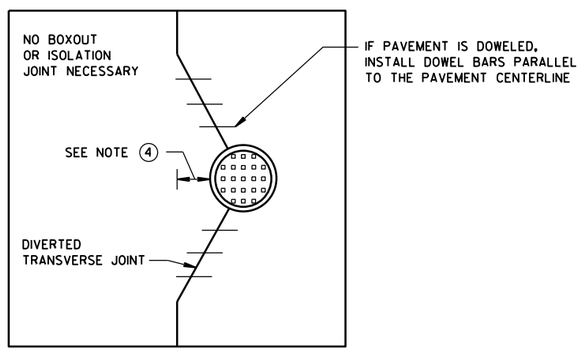
MANHOLE WITH LONGITUDINAL JOINT



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.

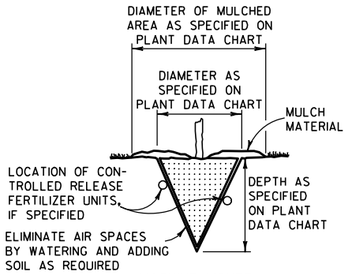
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

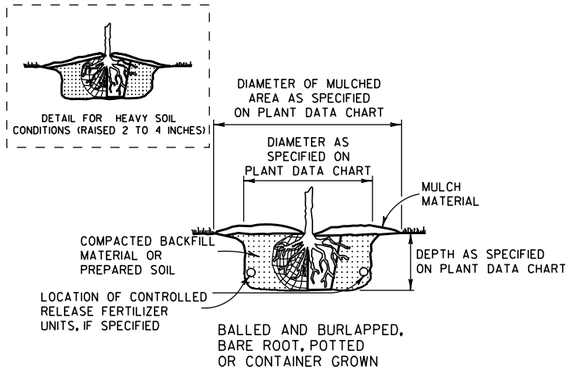
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

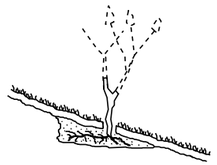
S.D.D. 13 C 18-3d



MACHINE MOVED

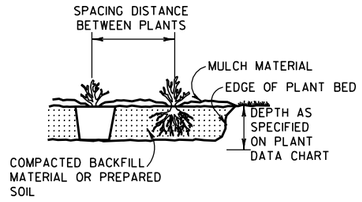


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



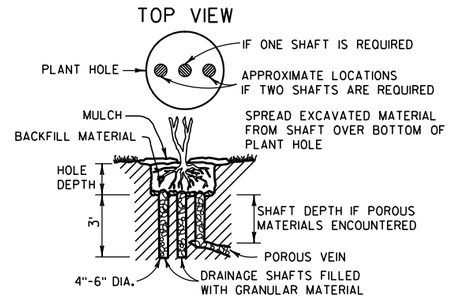
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

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



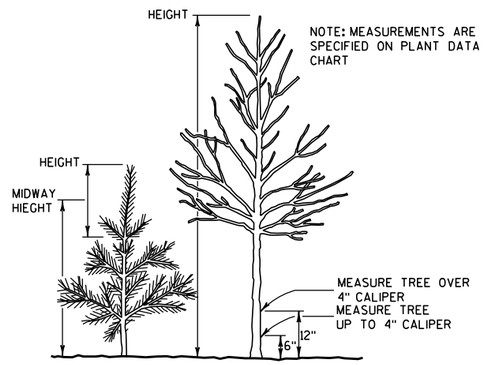
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

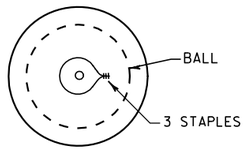


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

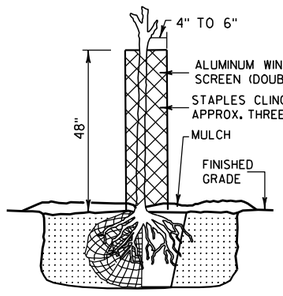
DRAINING



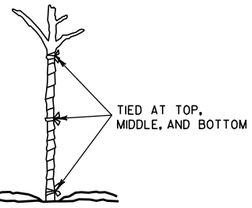
MEASURING



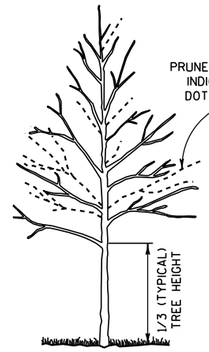
TOP VIEW



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)

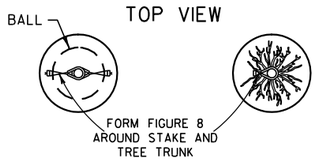
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

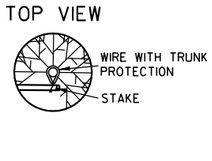
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

SUMAC

TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

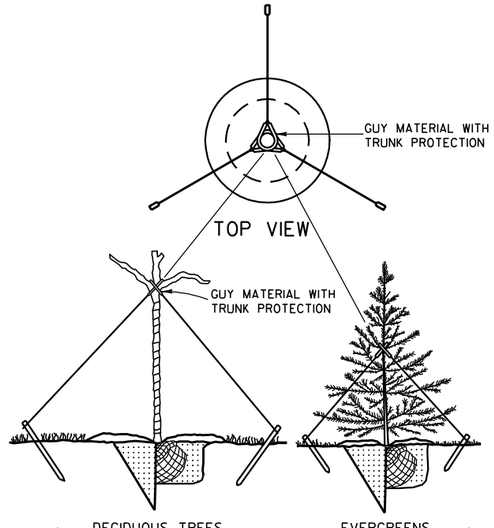
PRUNING





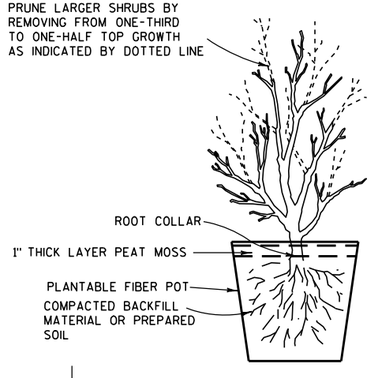
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE 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.

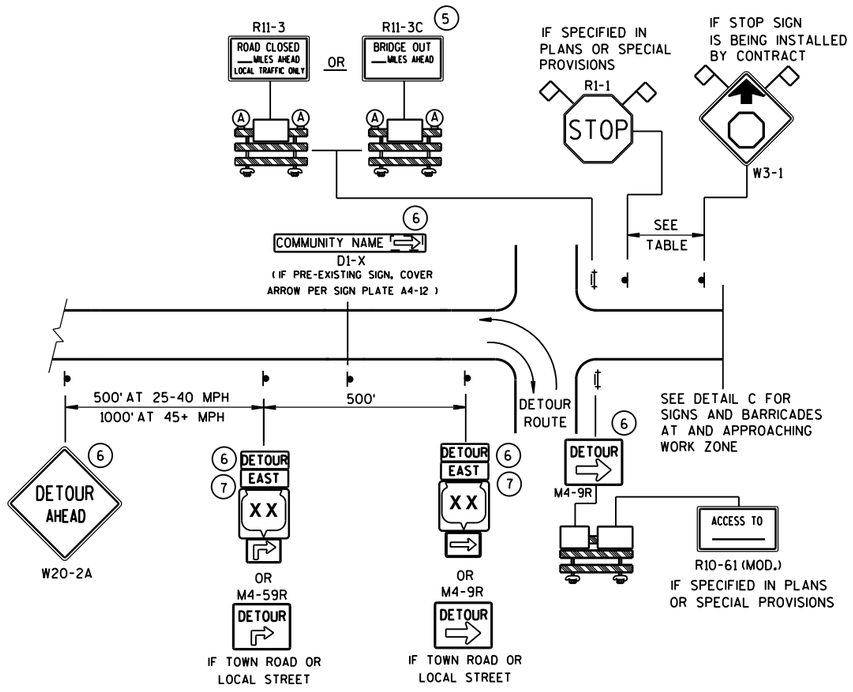
BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

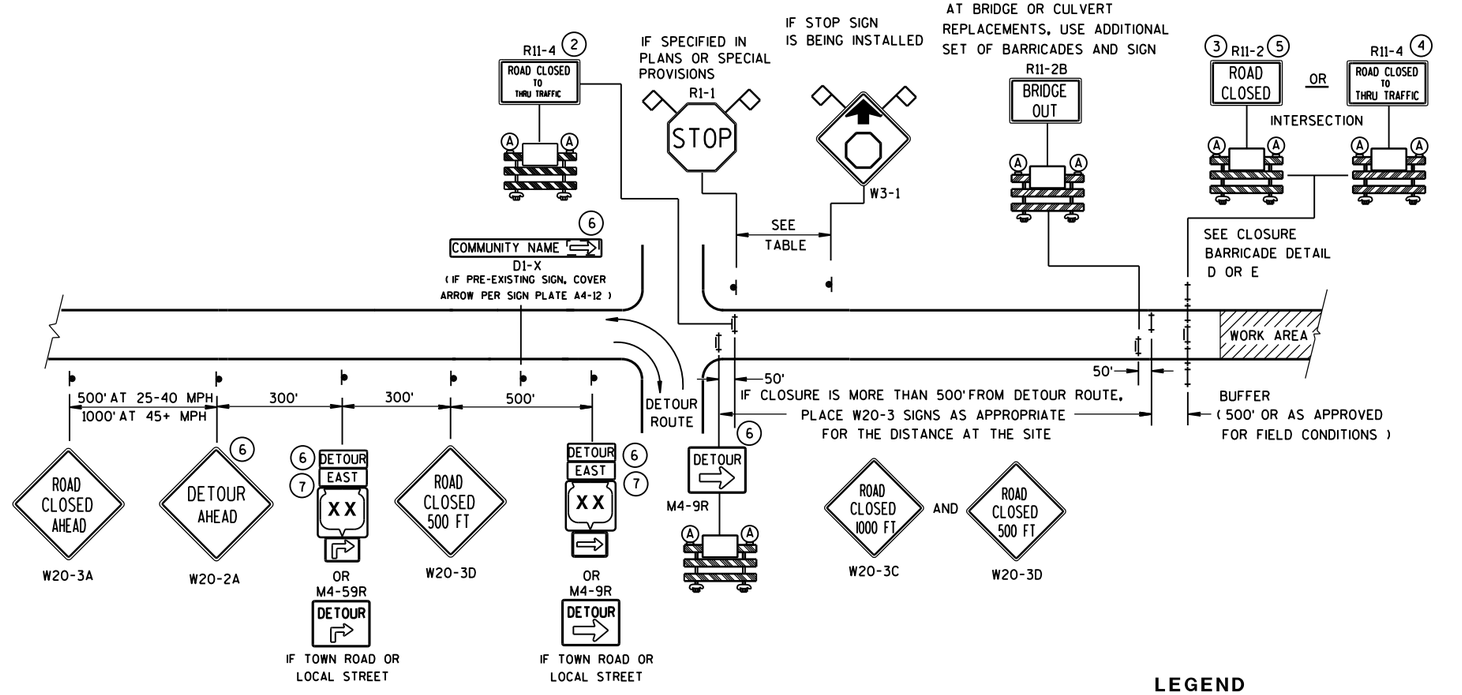
APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 14 A 2-1
6



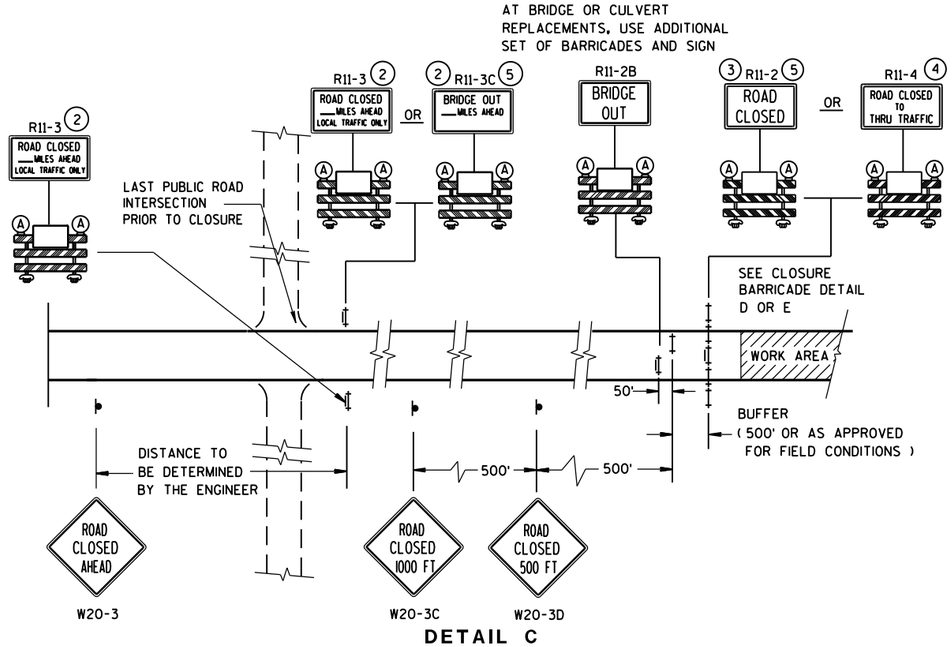
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

SEE SDD 15C2-SHEET "**b**"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

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)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

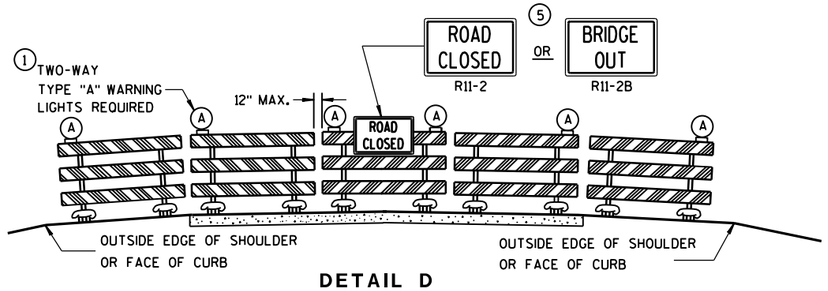
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

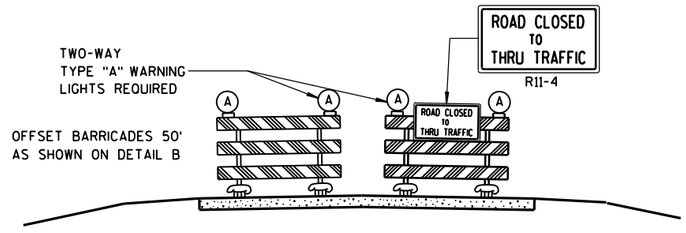
S.D.D. 15 C 2-6a



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[illegible] FIC
SAFETY ENGI[illegible]
FHWA

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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.

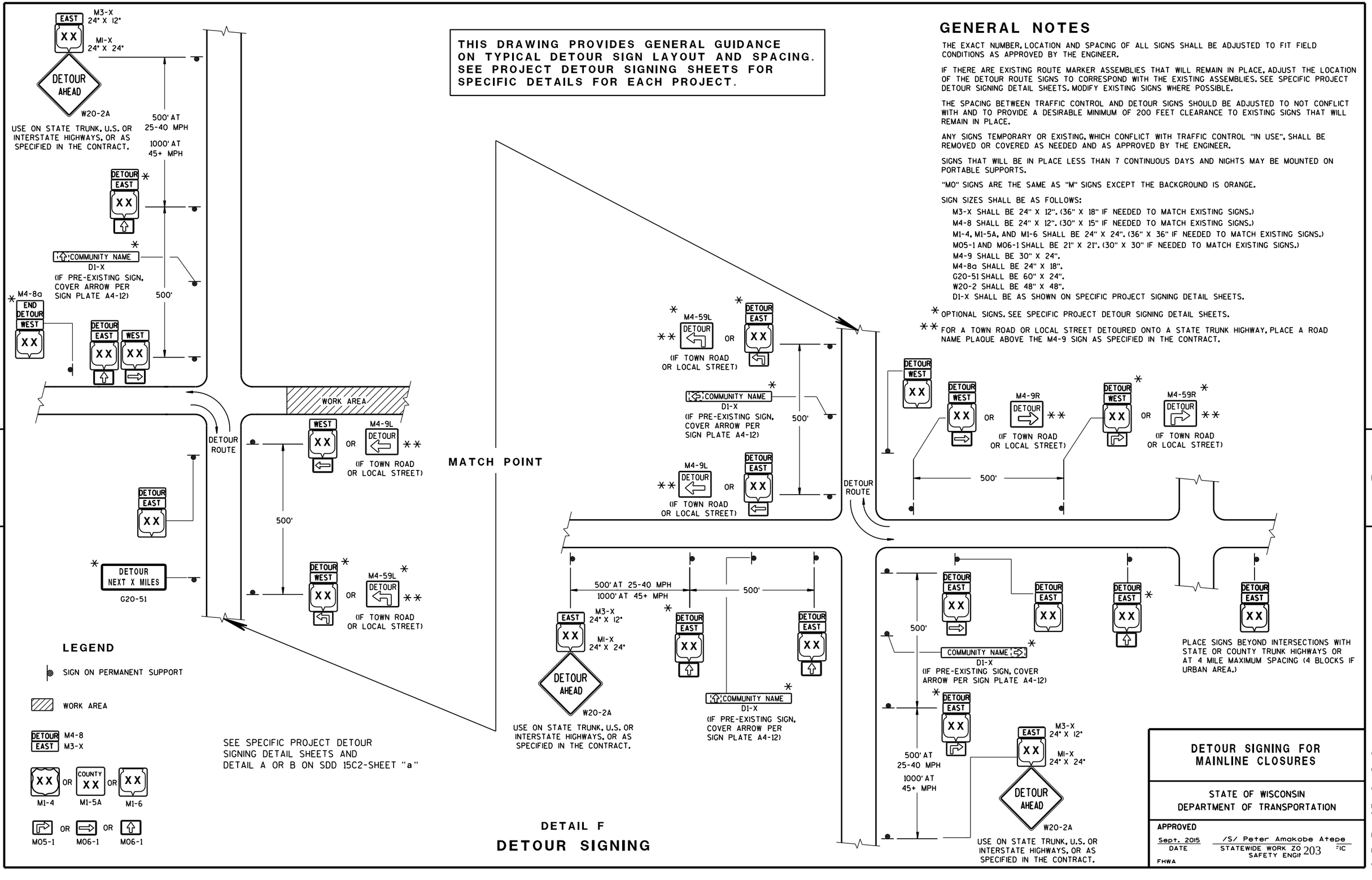
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.)
- M05-1 AND M06-1 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
- M05-1 OR M06-1 OR M06-1

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...

FHWA

S.D.D. 15 C 2-6c

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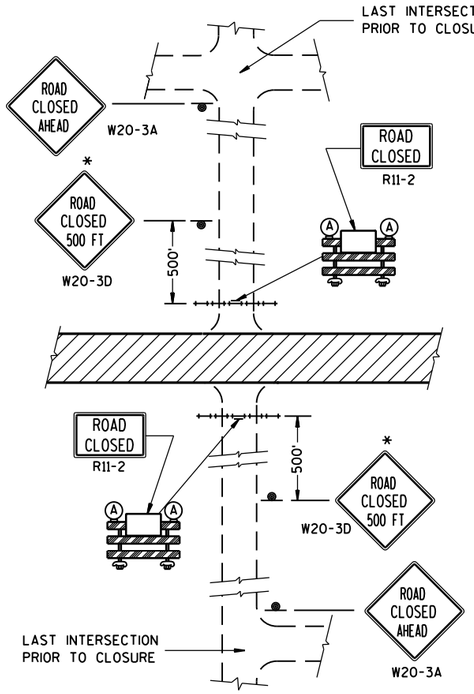
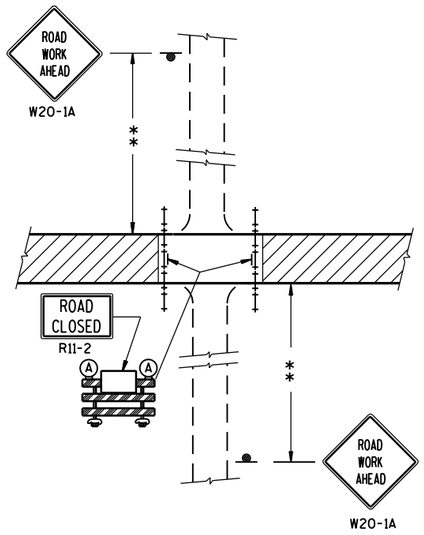


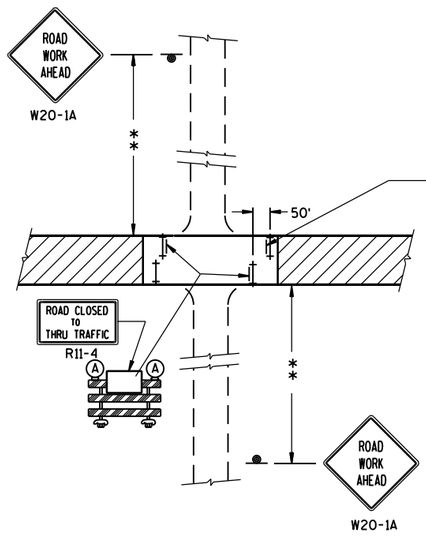
DETAIL 1

(NO ACCESS TO PROJECT)



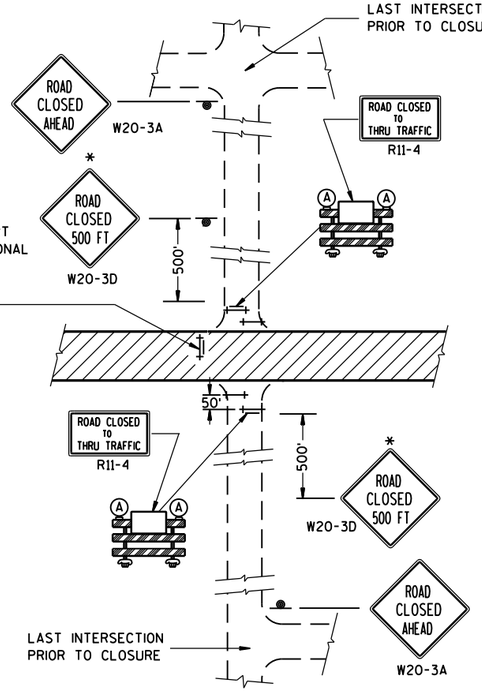
DETAIL 2

(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[illegible]FIC SAFETY ENGI[illegible]
FHWA

6

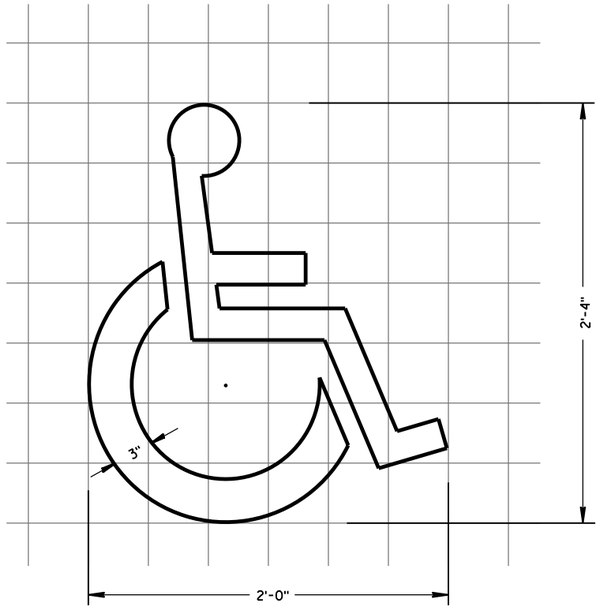
S.D.D. 15 C 3-3

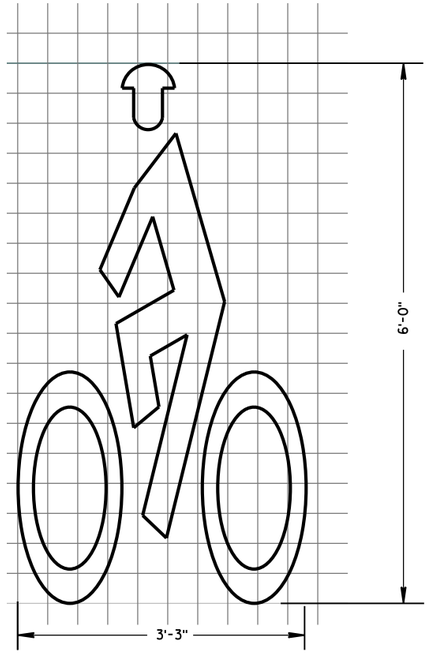
6

S.D.D. 15 C 3-3

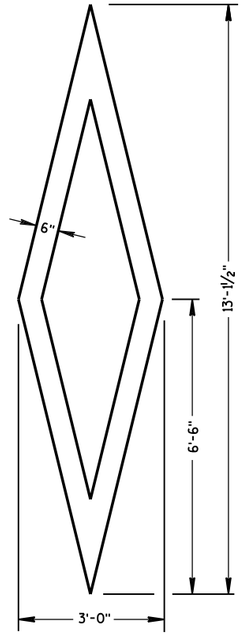
GENERAL NOTES

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.





BIKE CROSSING SYMBOL



PREFERENTIAL LANE SYMBOL

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S.D.D. 15 C 7-13a

S.D.D. 15 C 7-13a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

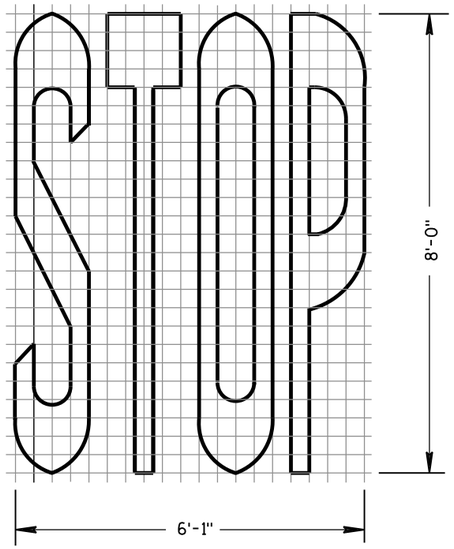
4/18/16 — DATE

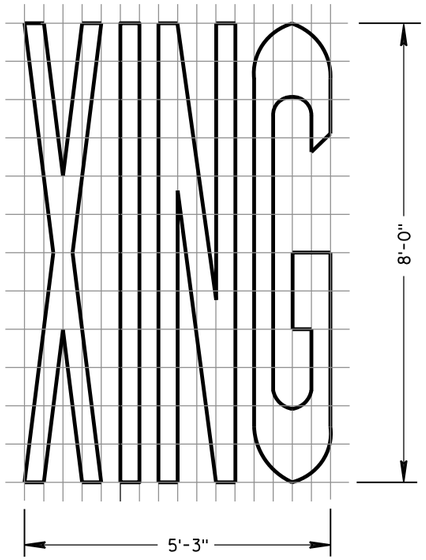
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

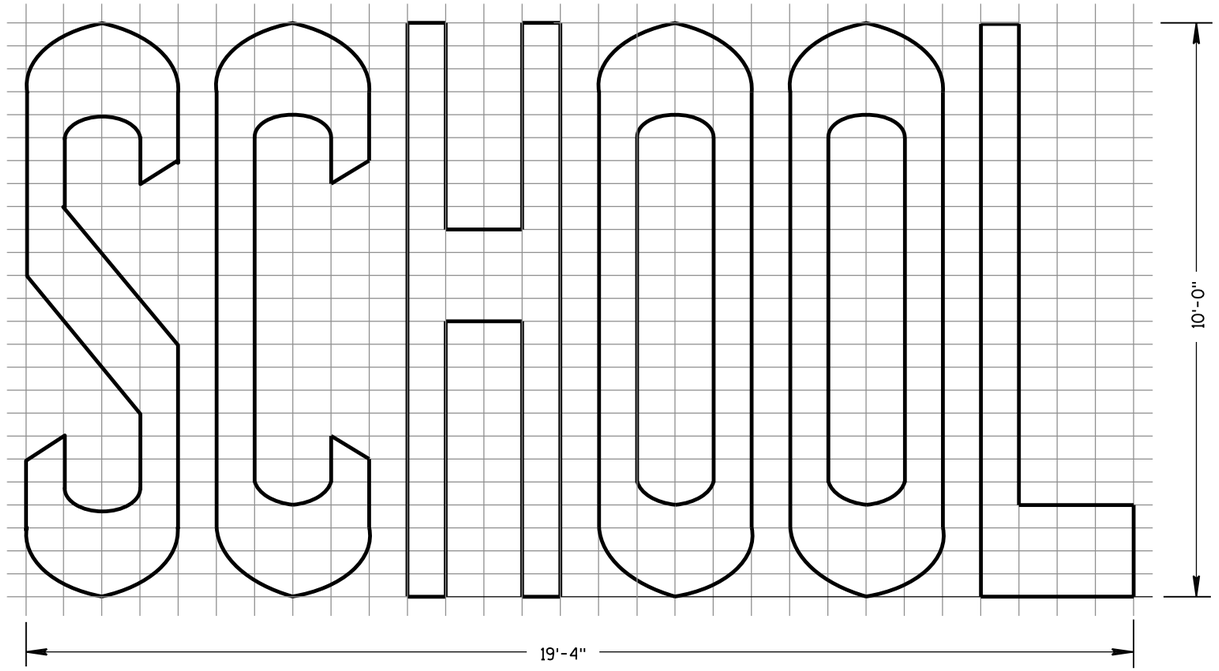
FHWA

GENERAL NOTES

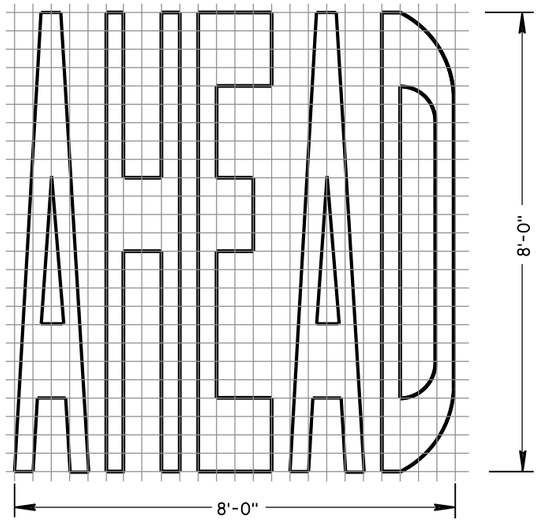
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

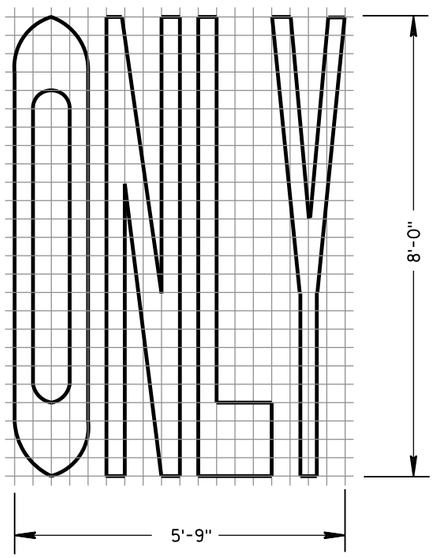


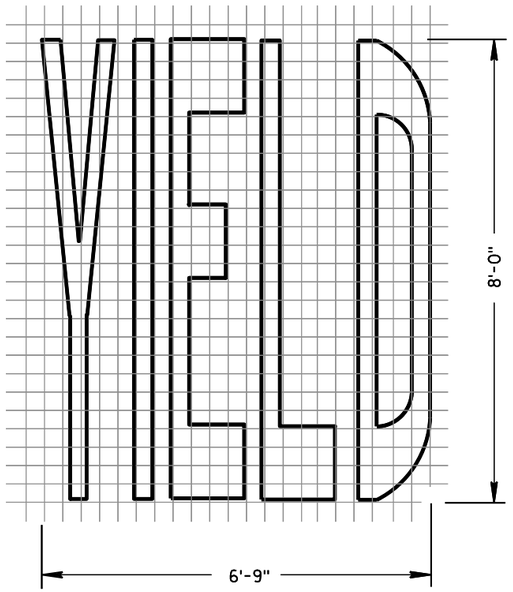


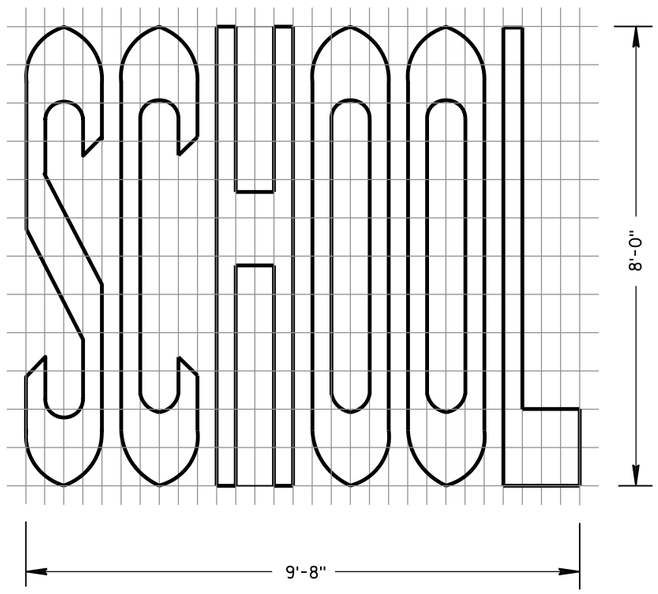


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-16	/S/ Matthew R. Rauch	
DATE	STATE SIGNING AND MARK	EER

FHWA

6

S.D.D. 15 C 7-13b

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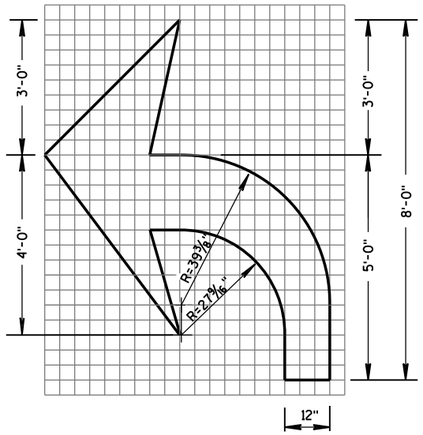
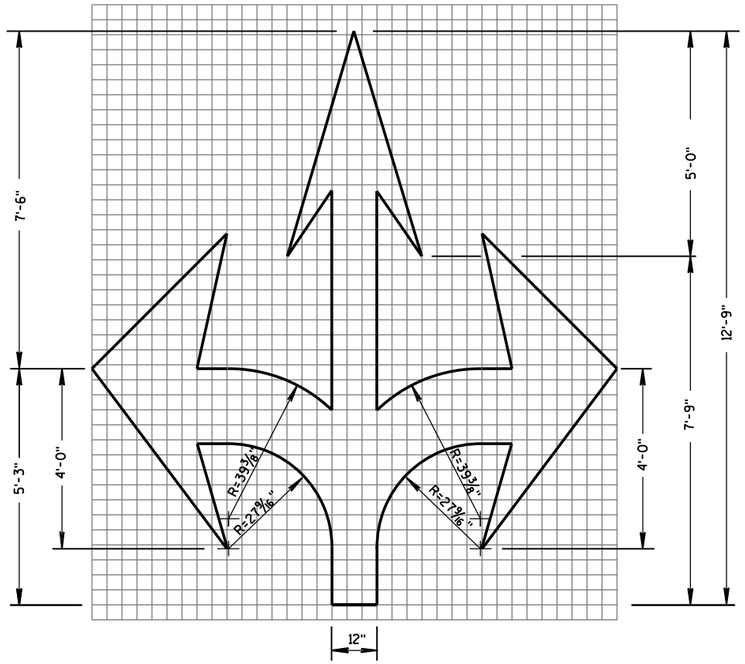
S.D.D. 15 C 7-13b

GENERAL NOTES

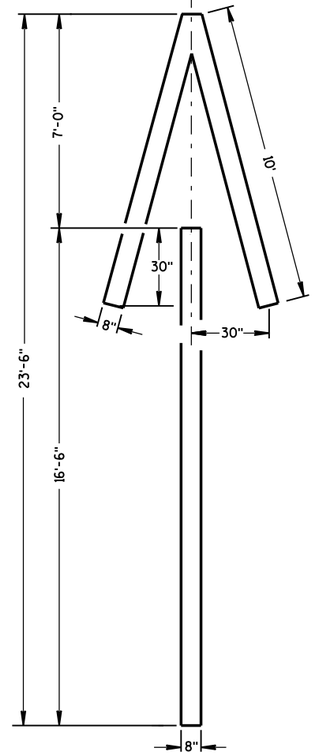
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 2



TYPE 6



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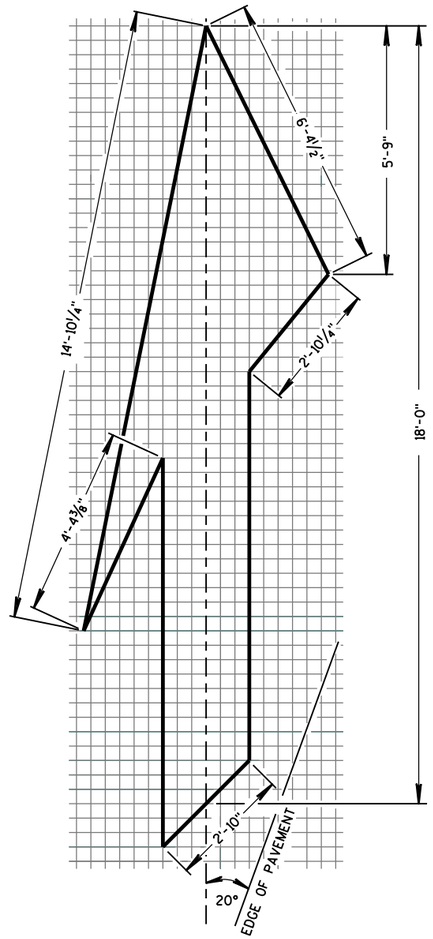
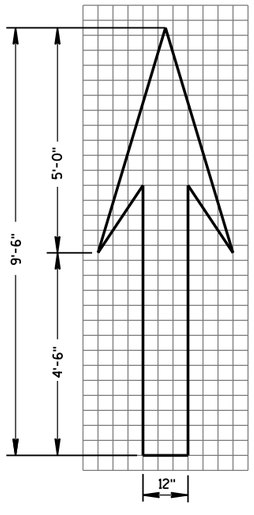
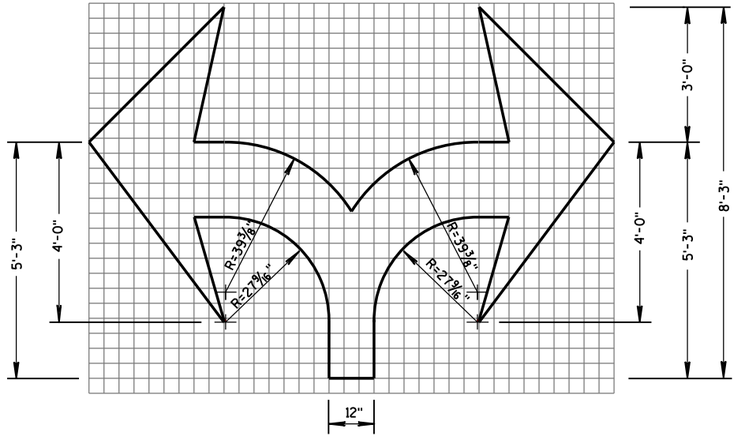


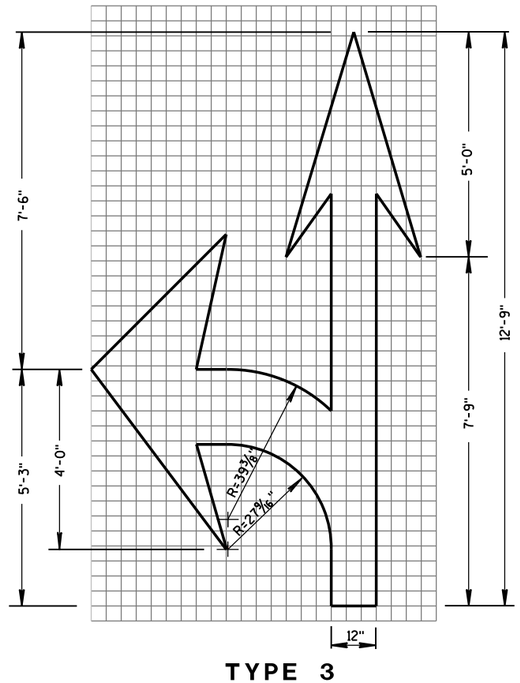
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 7-13c

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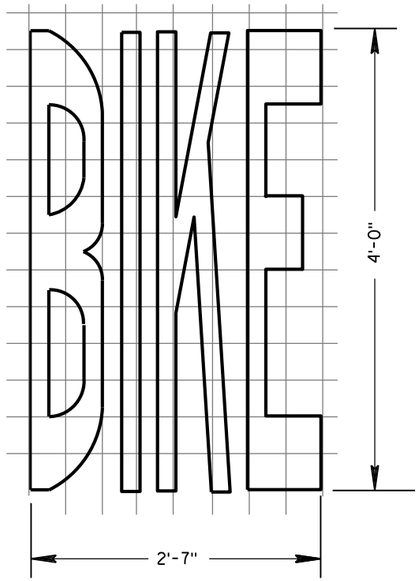
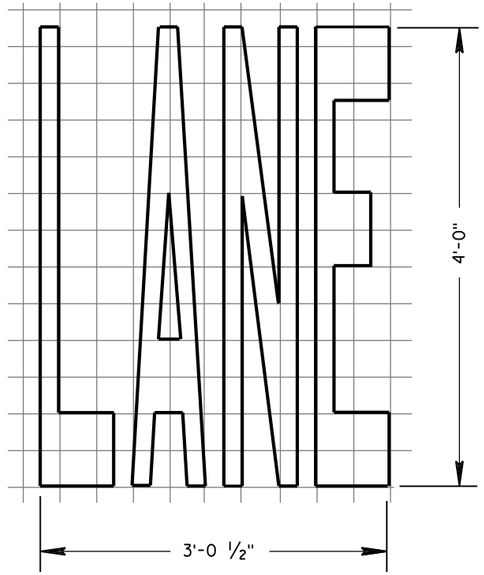
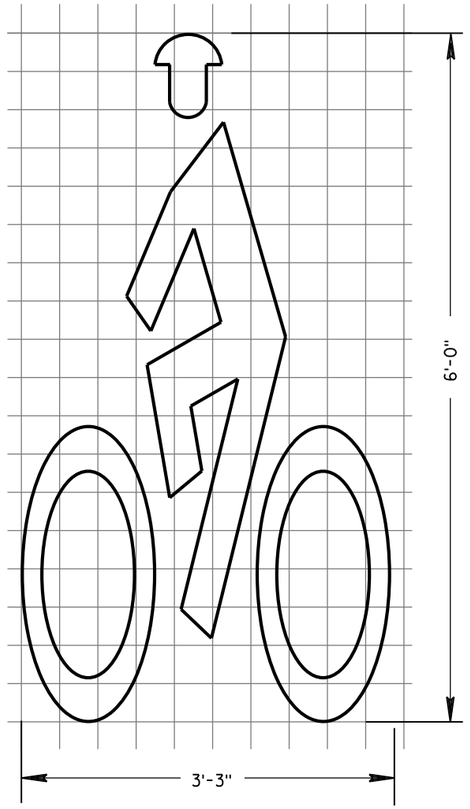
S.D.D. 15 C 7-13c

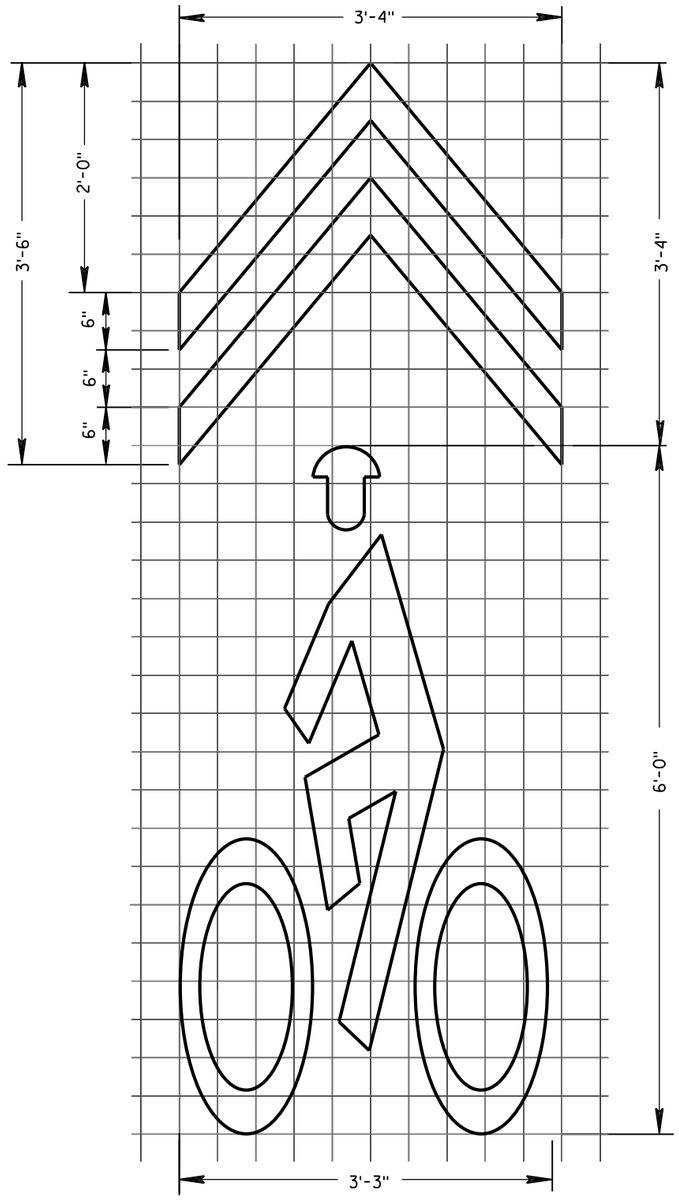




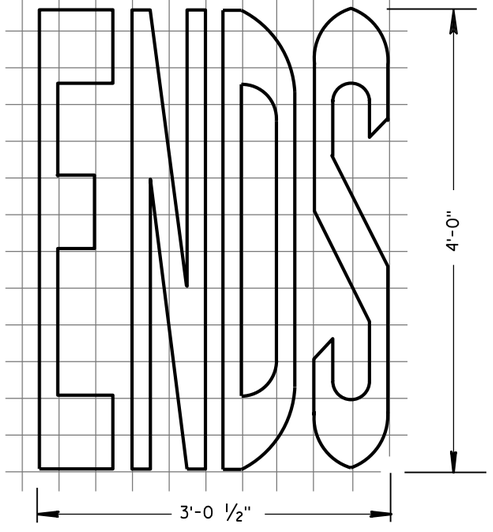
BIKE LANE WORDS



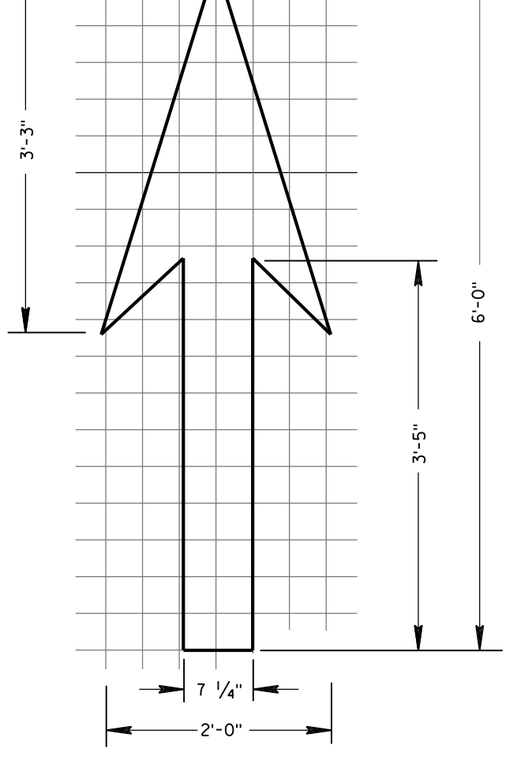
BIKE LANE SYMBOL



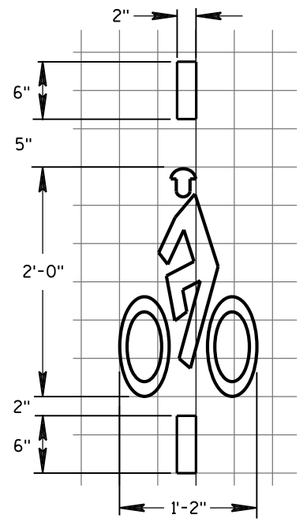
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARK ENGINEER

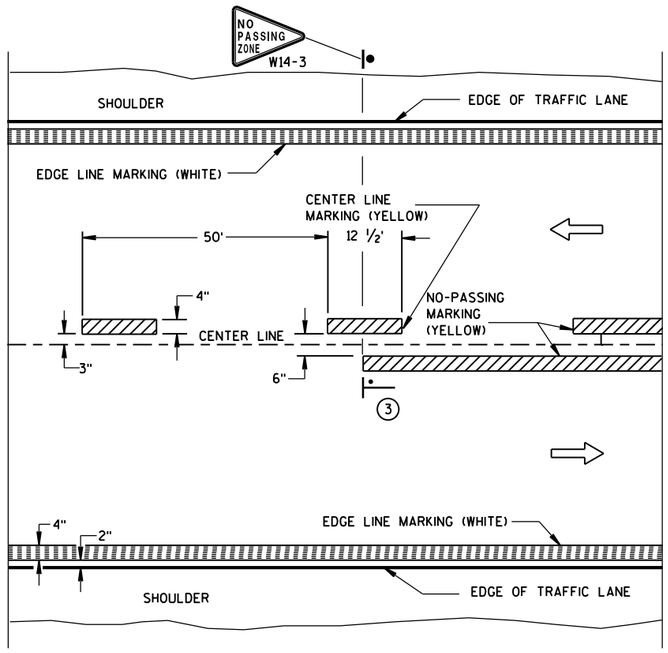
FHWA

6

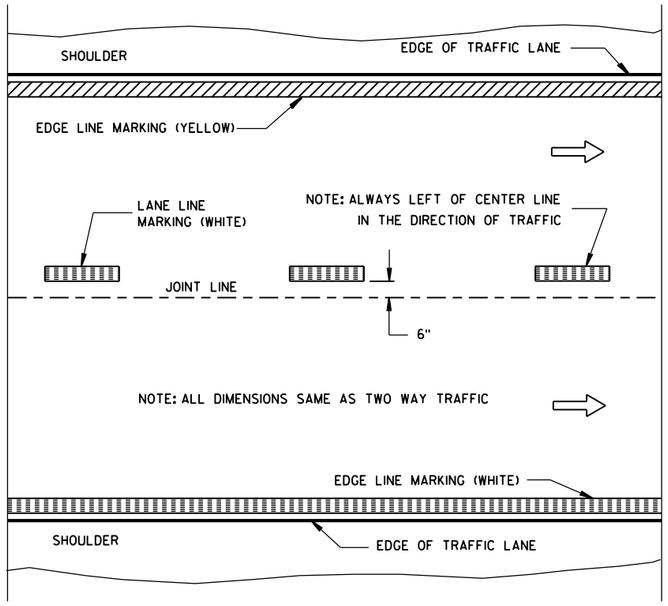
S.D.D. 15 C 7-13e

6

S.D.D. 15 C 7-13e

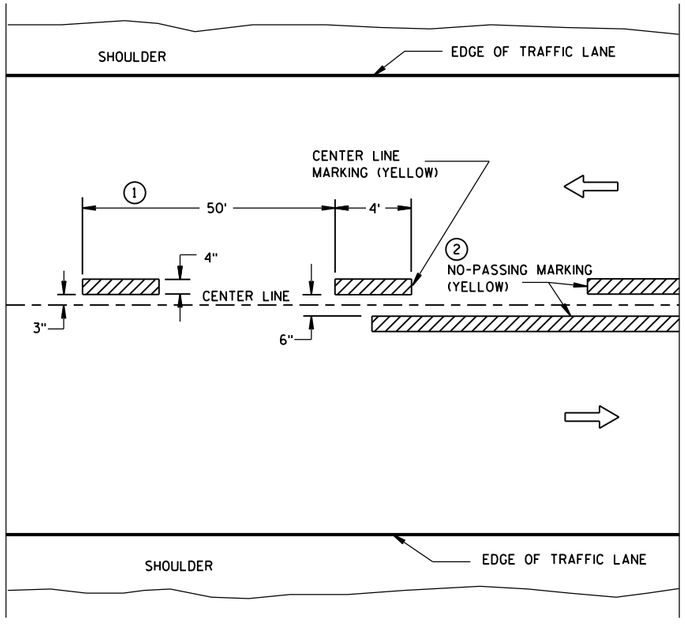


TWO WAY TRAFFIC

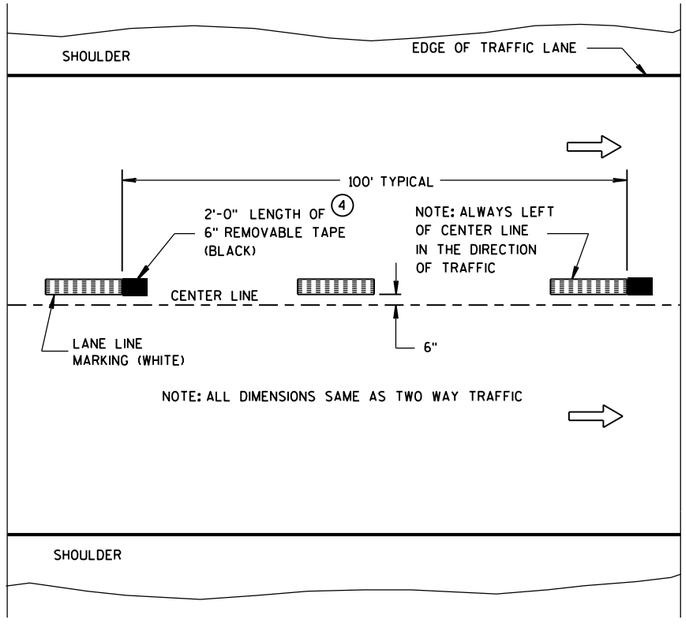


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

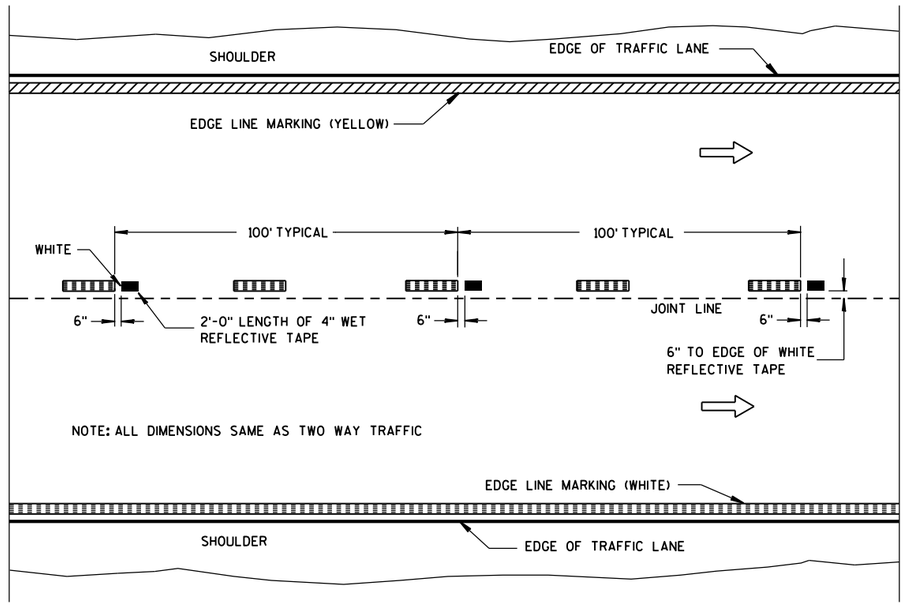
GENERAL NOTES

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

6

S.D.D. 15 C 8-16a

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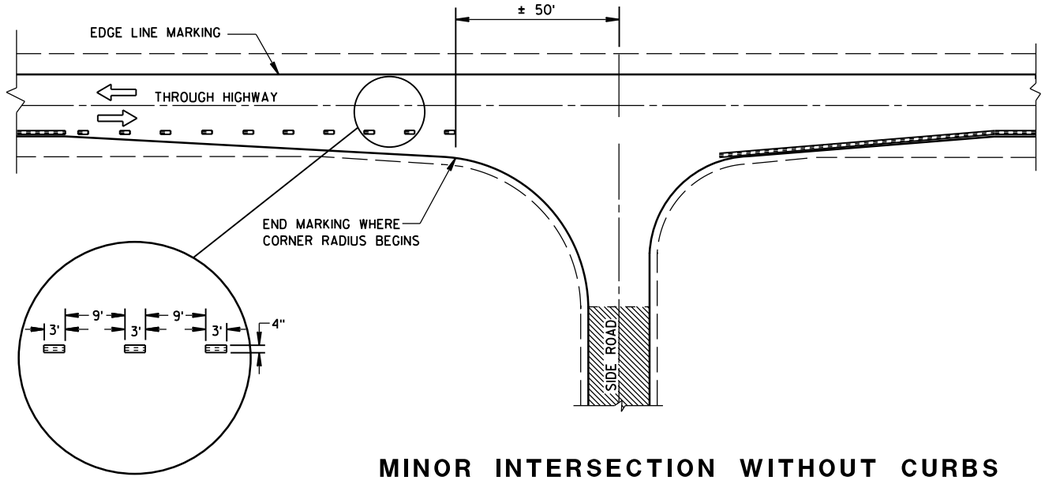
S.D.D. 15 C 8-16a



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.

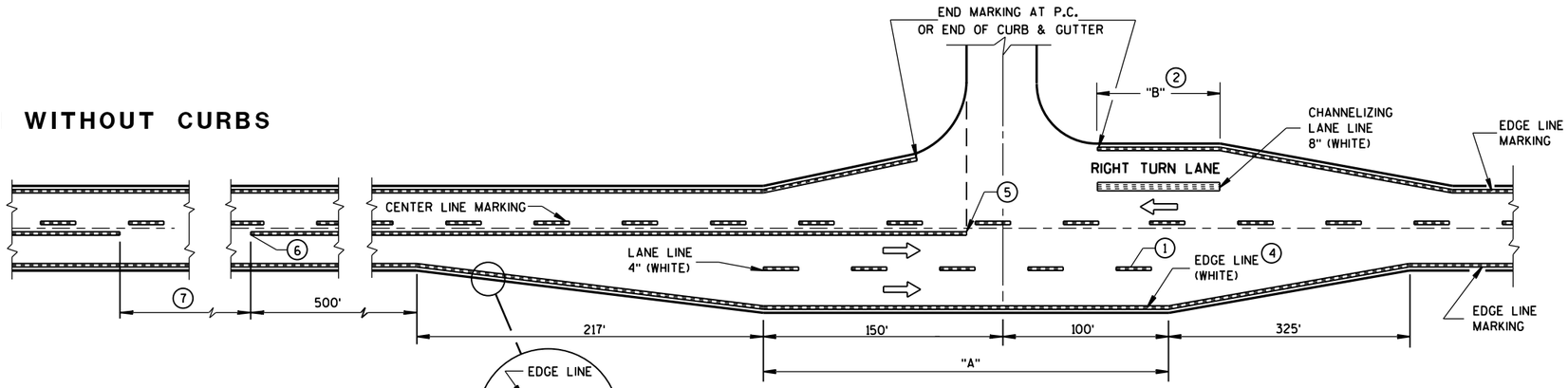
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

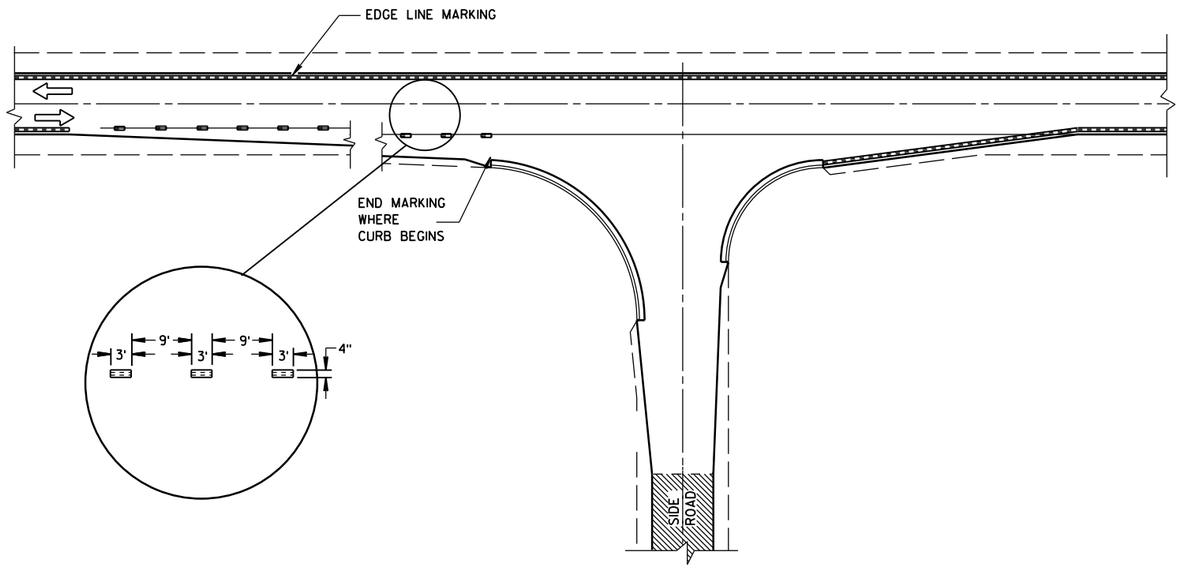
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



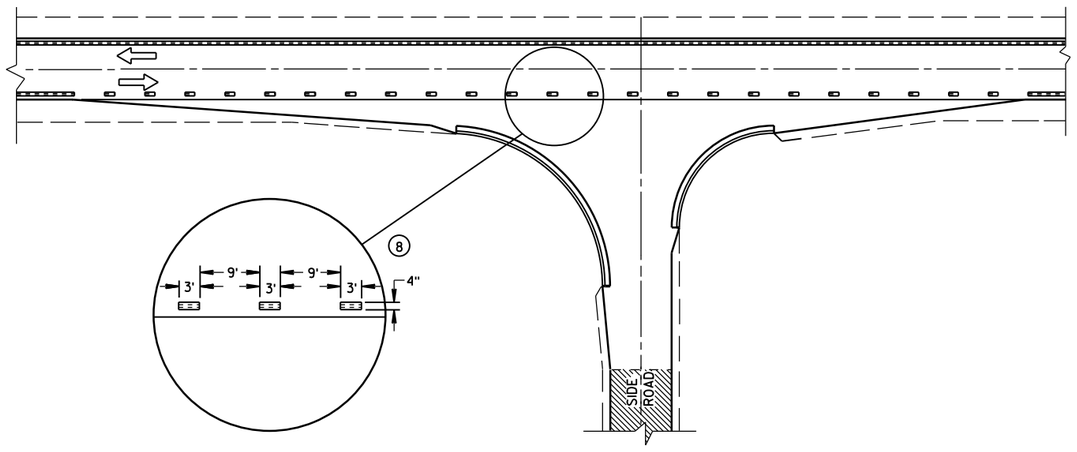
MAJOR INTERSECTIONS

(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)

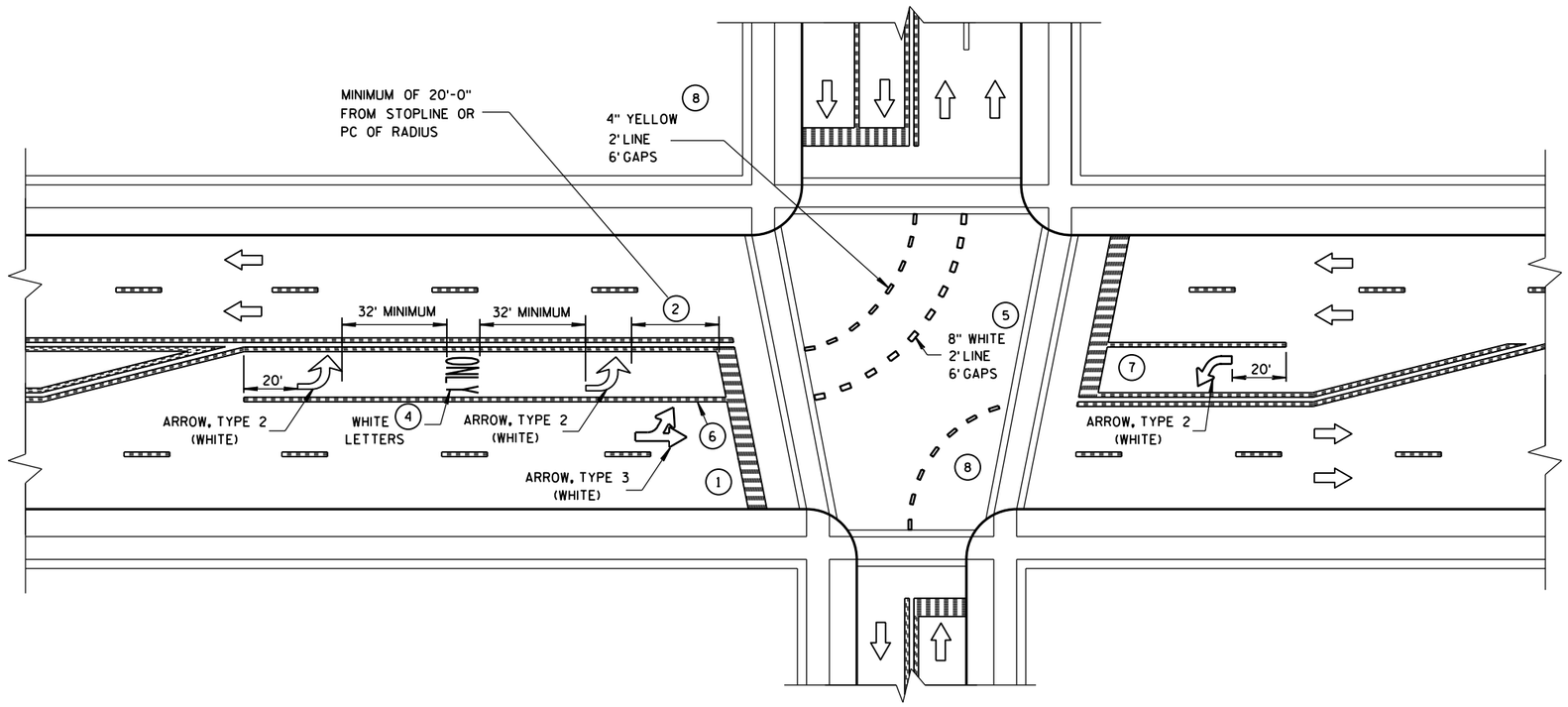
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-16b

6

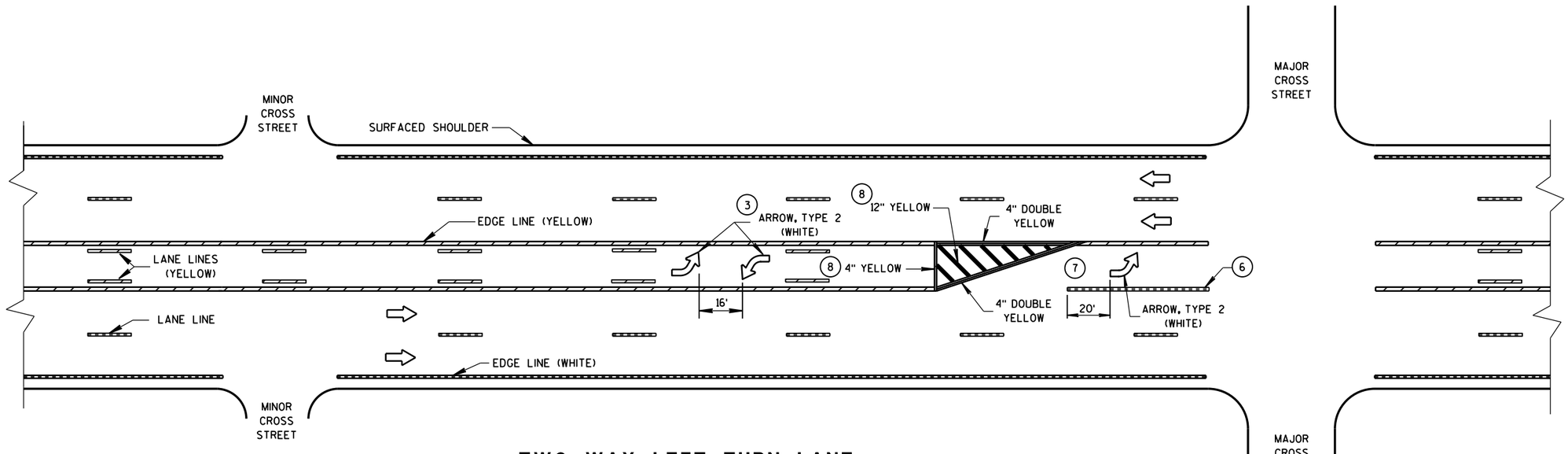
S.D.D. 15 C 8-16b



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

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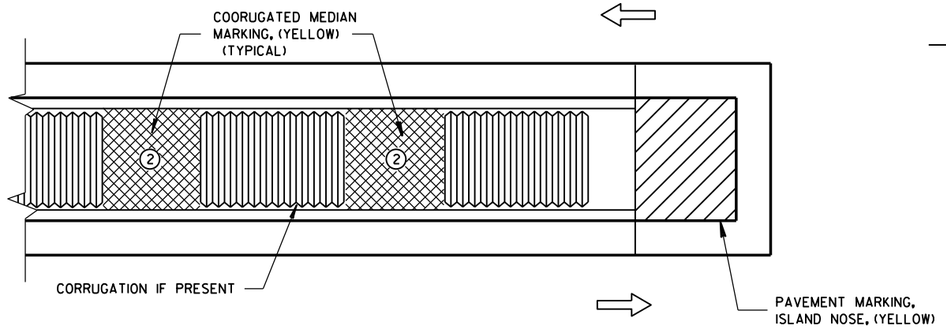
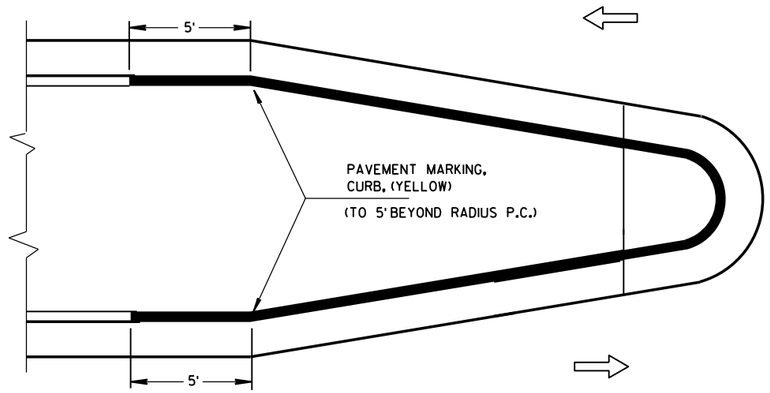
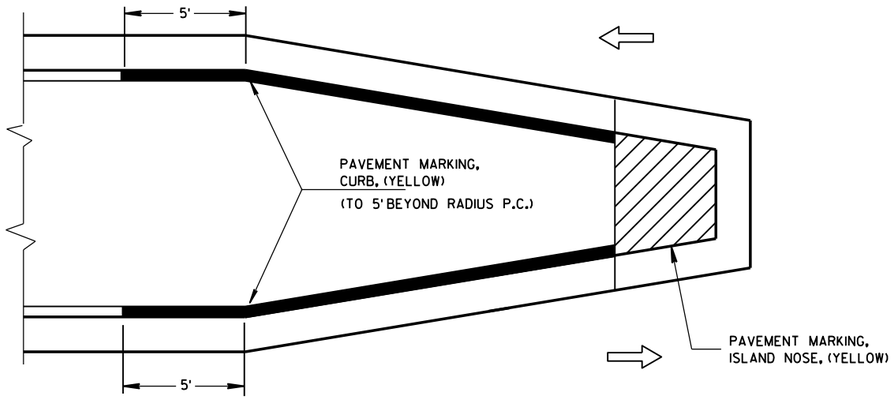
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

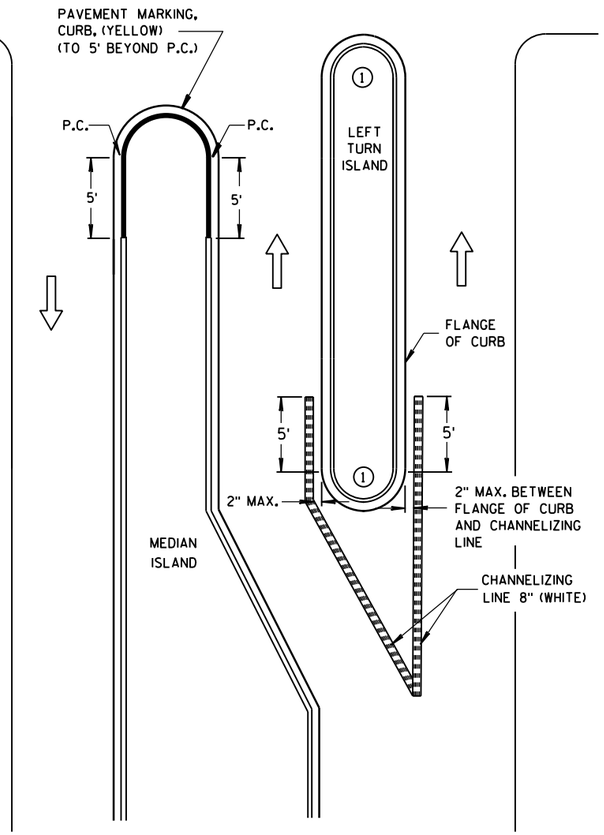


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

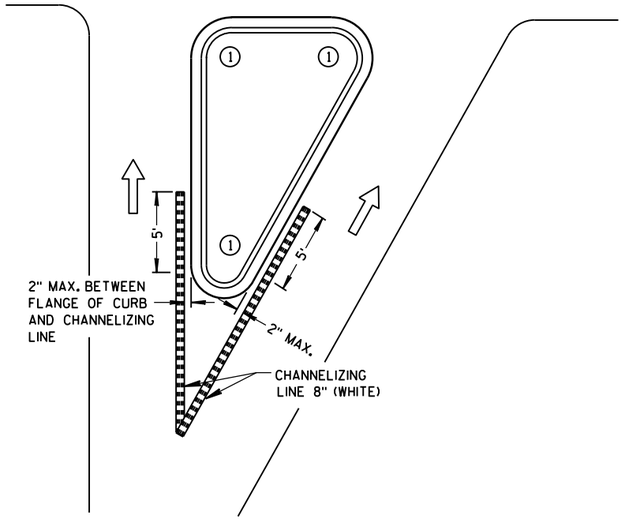


LEFT TURN & MEDIAN ISLAND

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

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S.D.D. 15 C 8-16f

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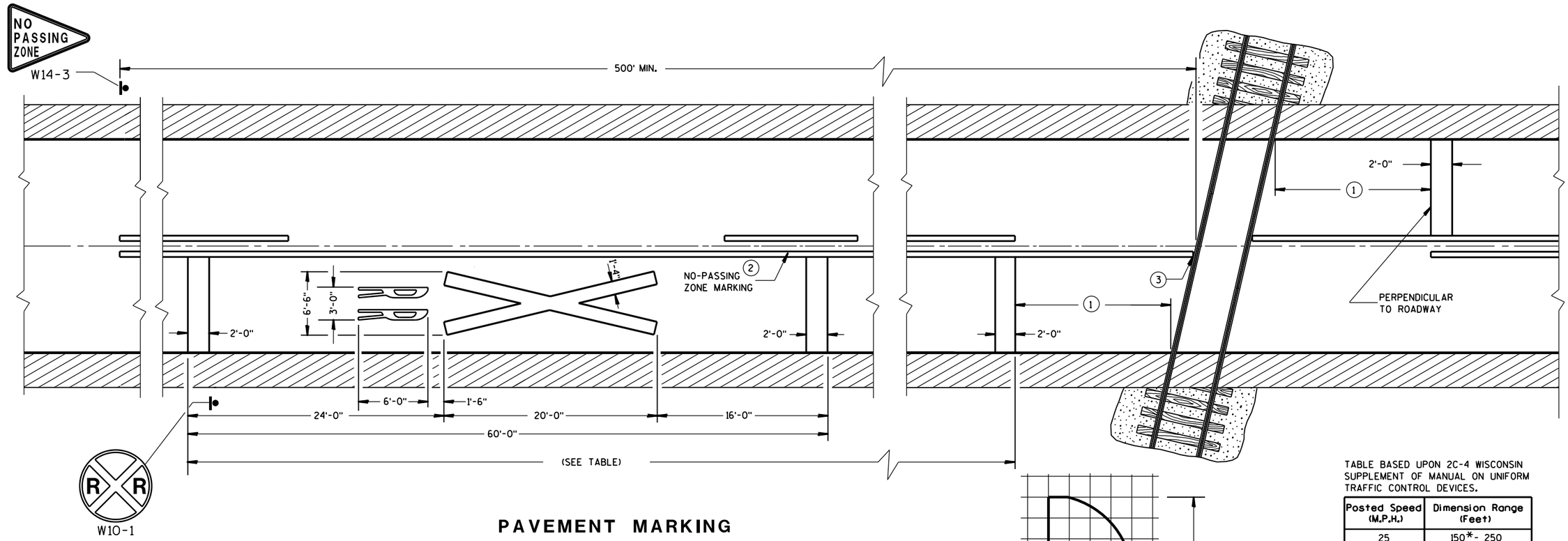
S.D.D. 15 C 8-16f



PAVEMENT MARKING

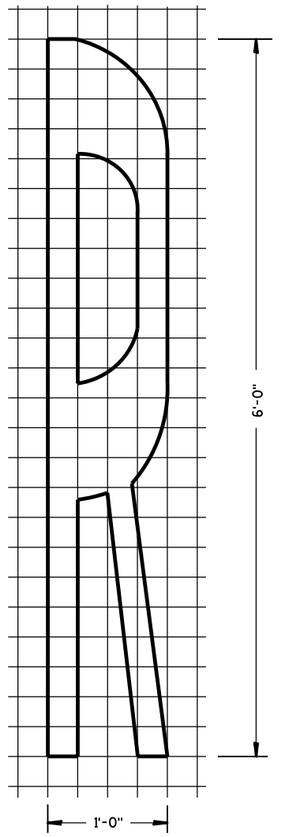


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER
FHWA

6

S.D.D. 15 C 9-10a

6

S.D.D. 15 C 9-10a

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

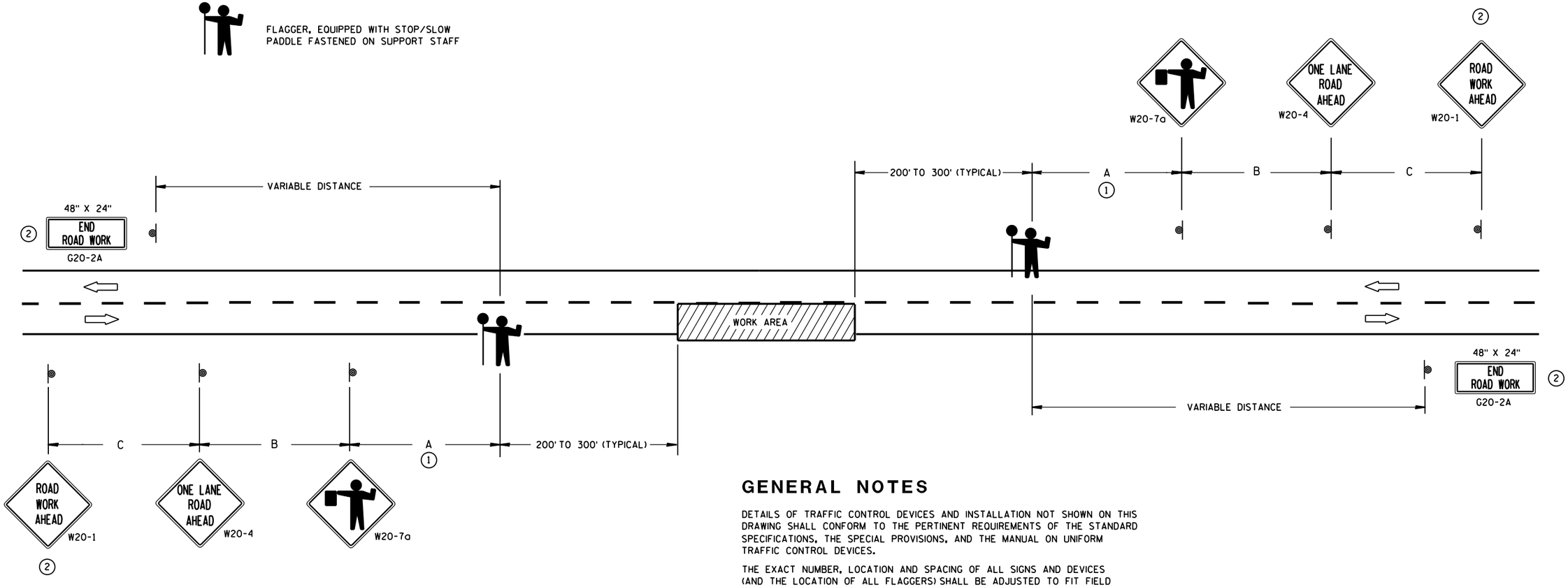
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR 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.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 12-4

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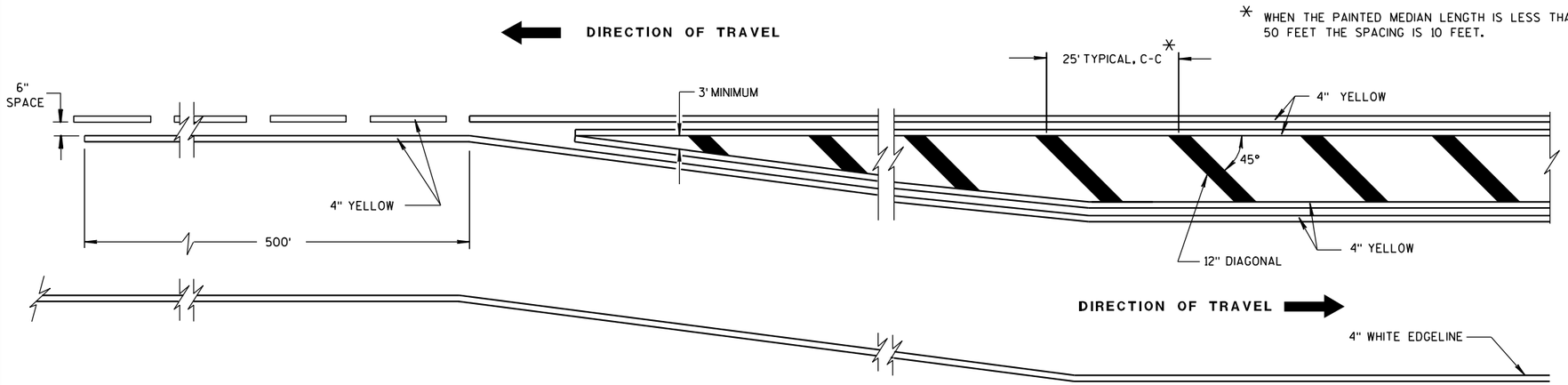
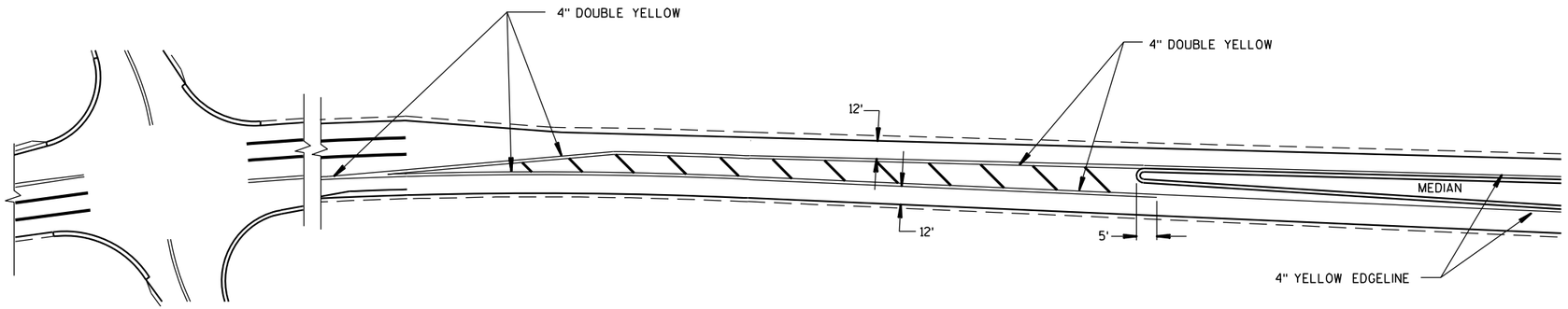
S.D.D. 15 C 12-4



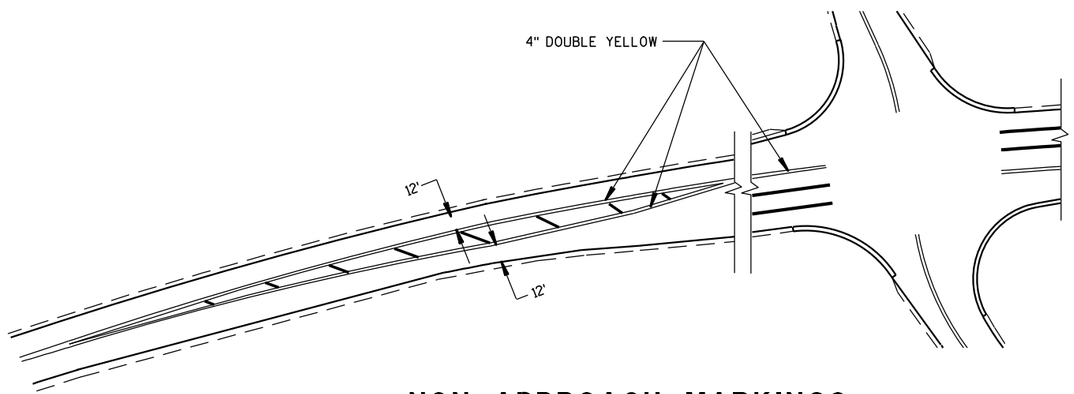
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

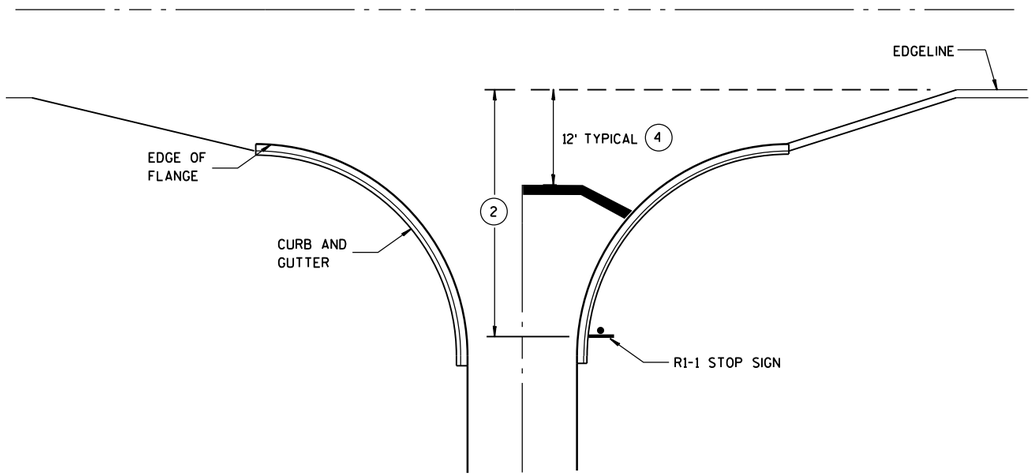


APPROACH MARKINGS FOR OTHER MEDIAN TYPES

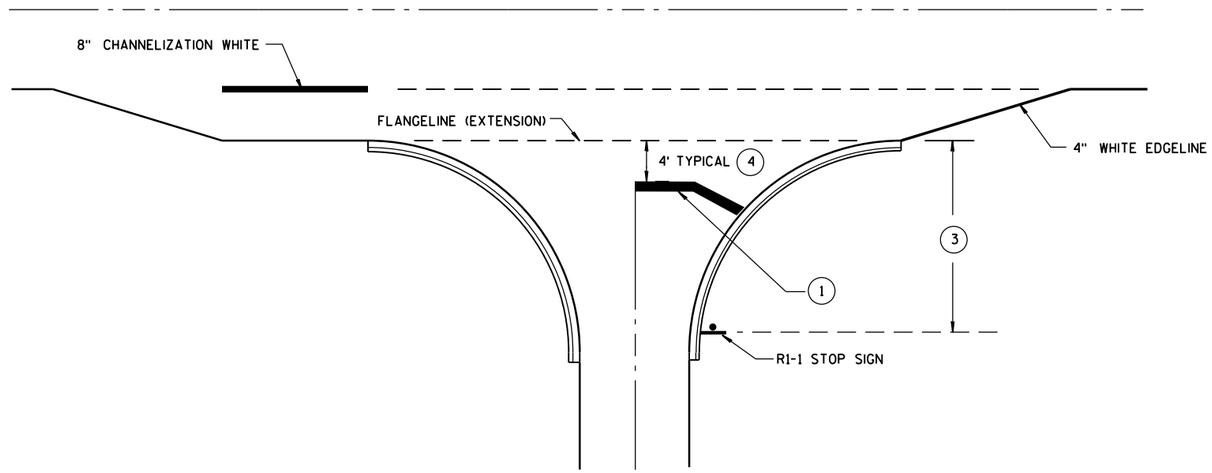


NON APPROACH MARKINGS

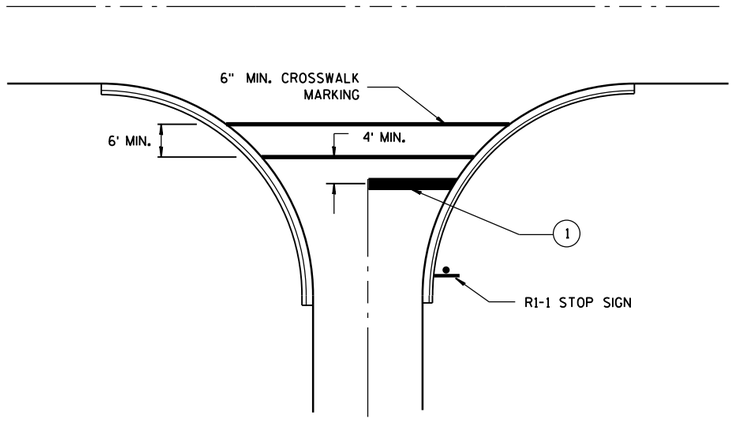
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER 215 IGN
FHWA	



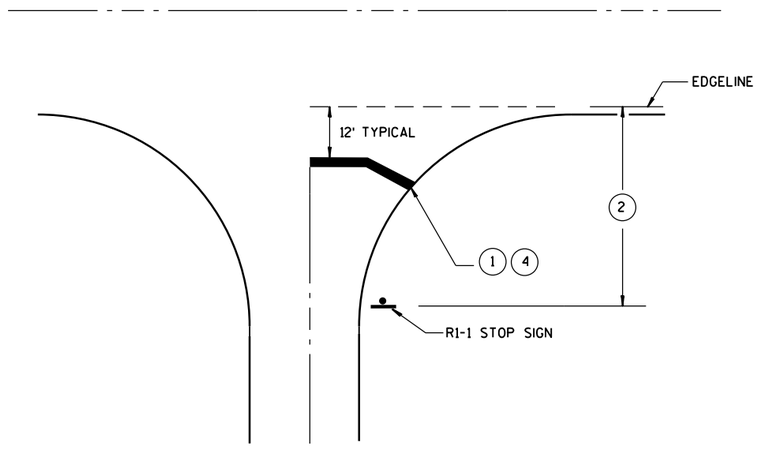
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]NEER

FHWA

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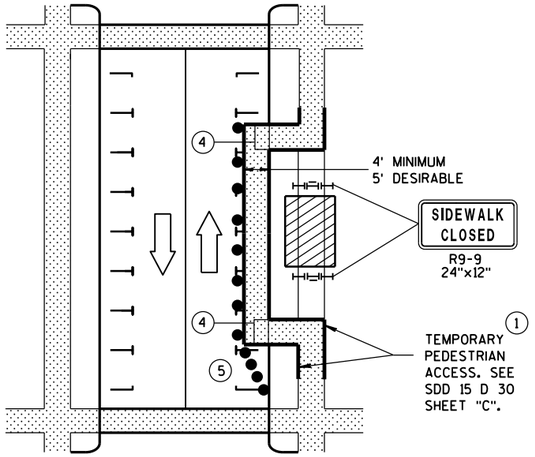
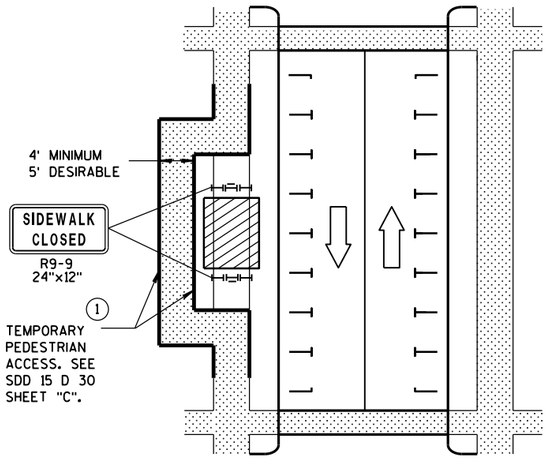
S.D.D. 15 C 33-2

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

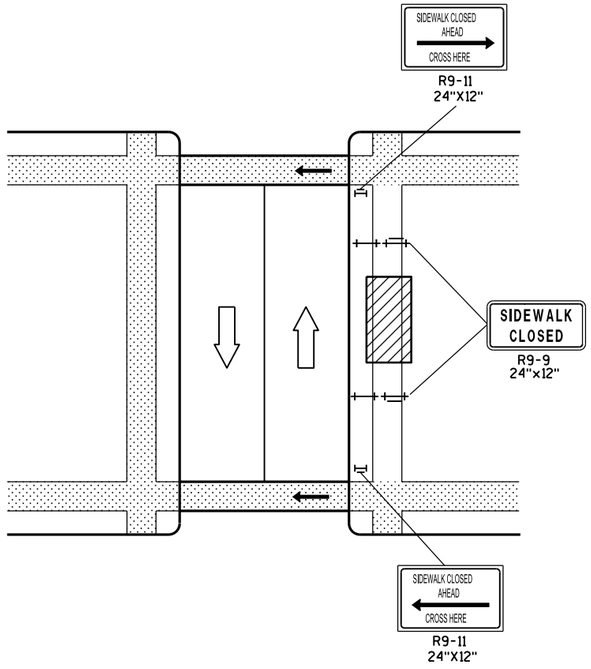


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

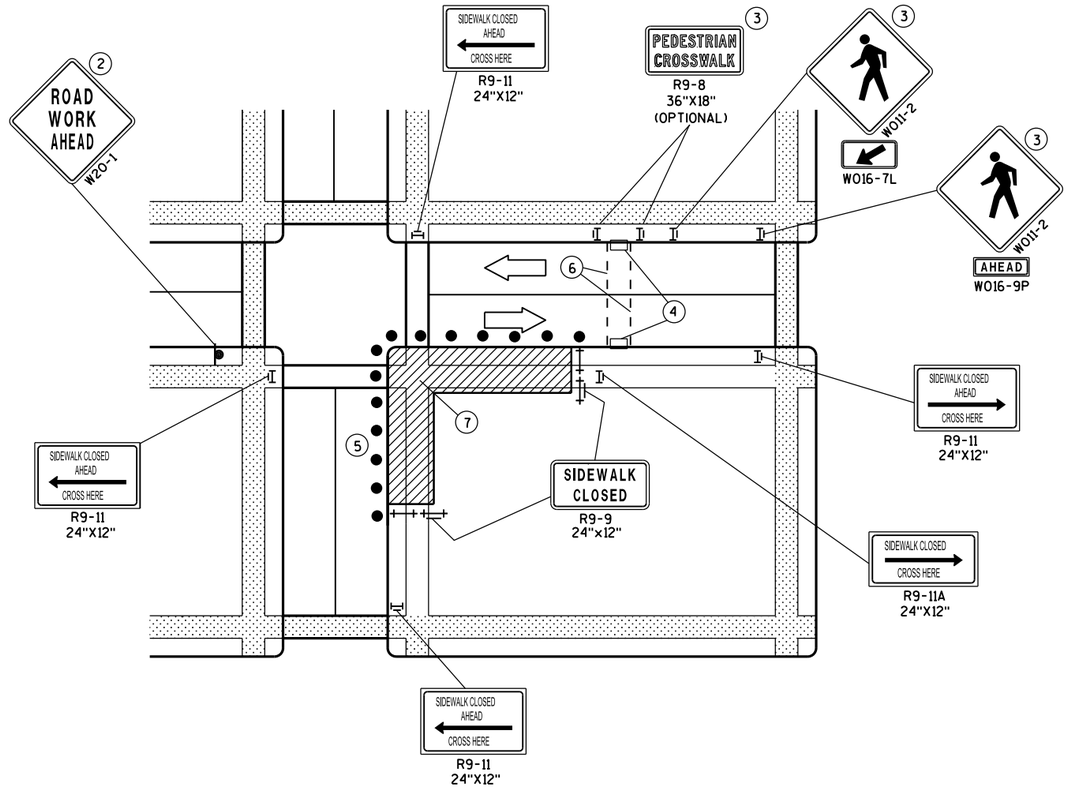
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

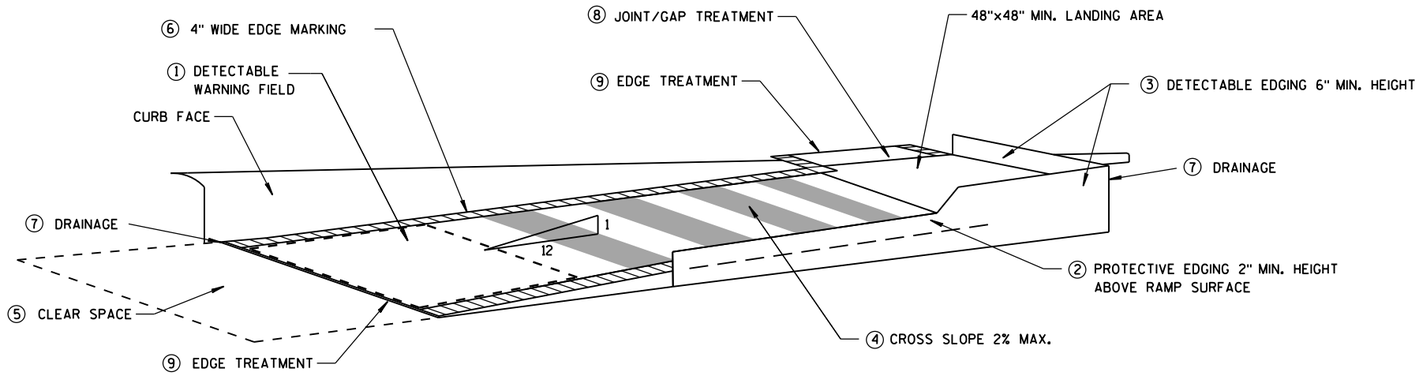
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 30-3a

6

S.D.D. 15 D 30-3a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

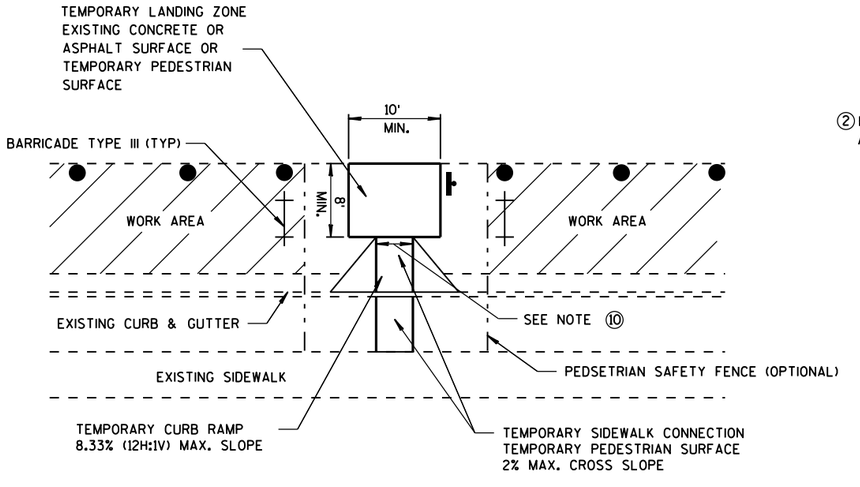
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

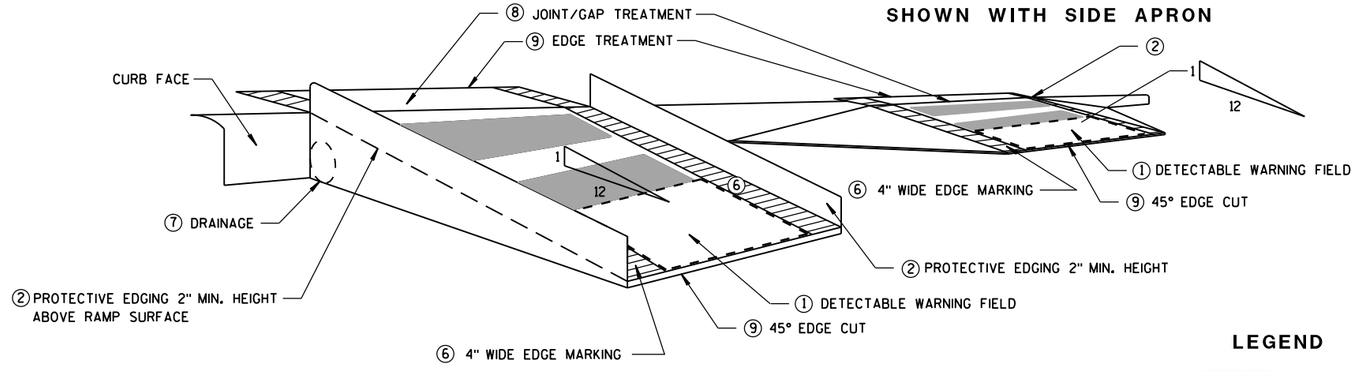
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

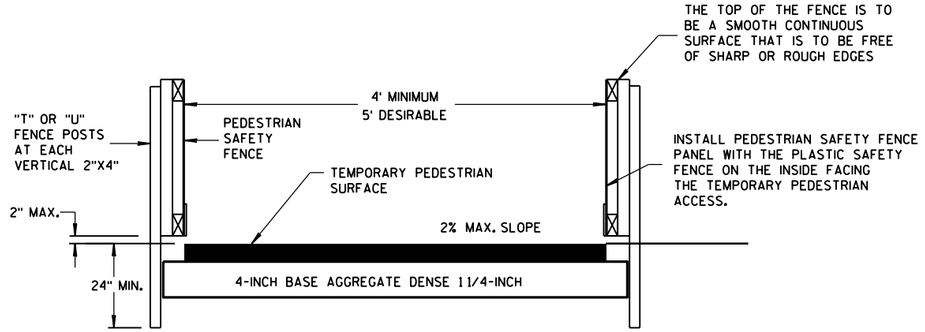
FHWA

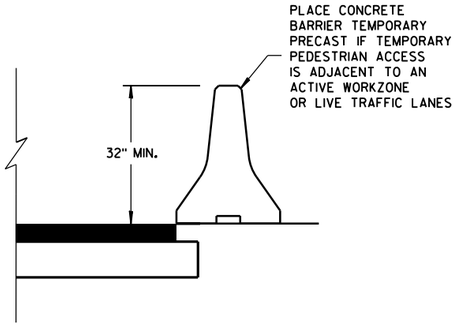
6

S.D.D. 15 D 30-3b

6

S.D.D. 15 D 30-3b

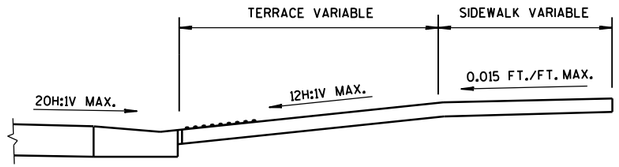




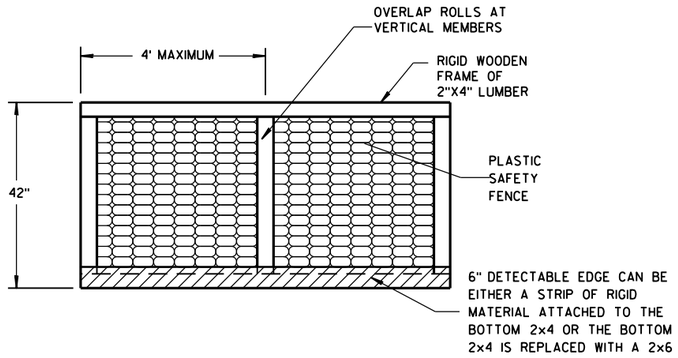
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

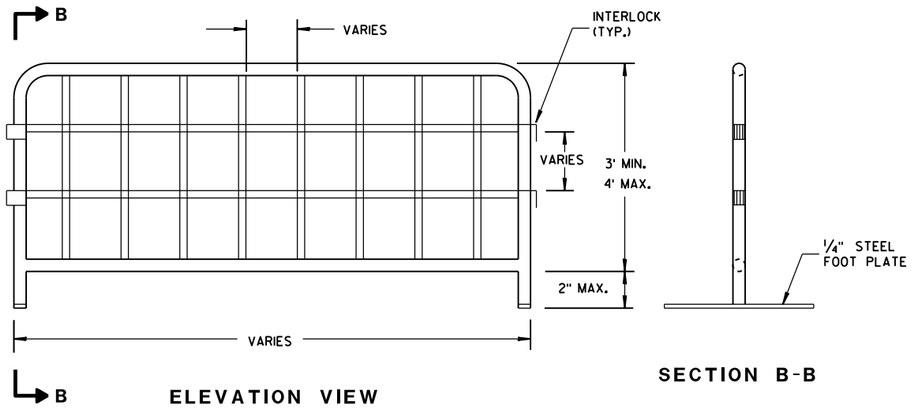
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



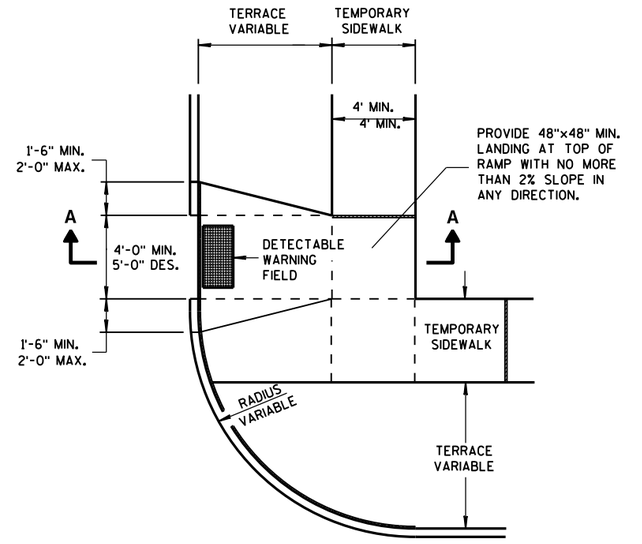
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

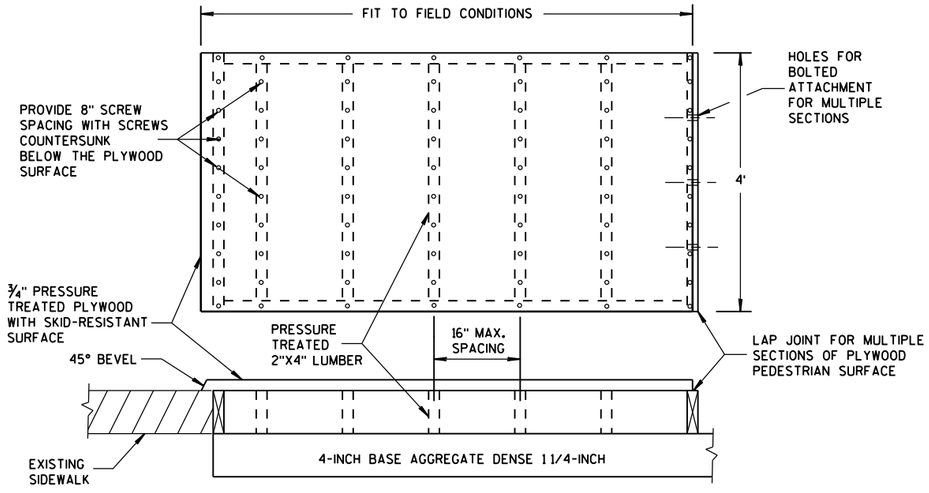
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



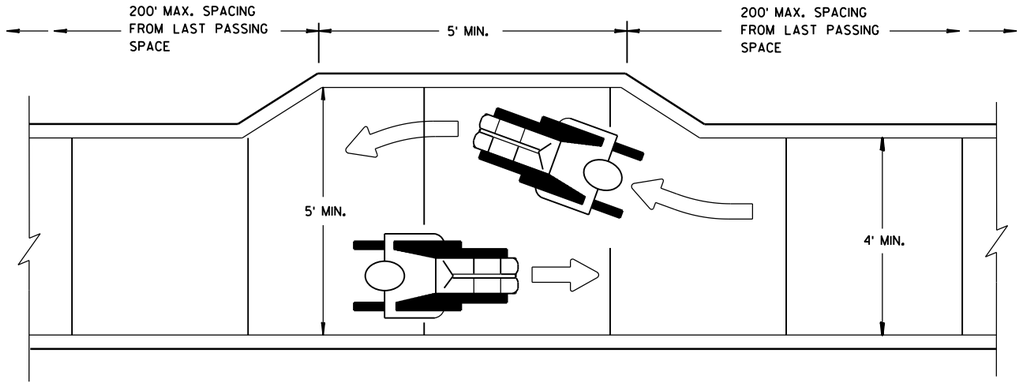
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
FHWA

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S.D.D. 15 D 30-3c

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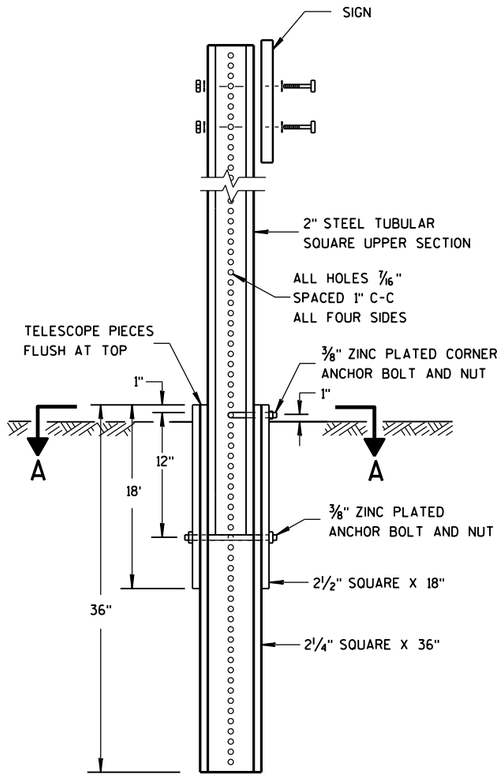
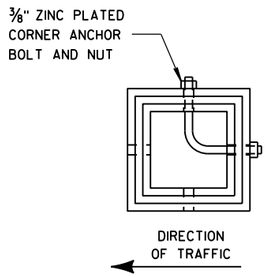
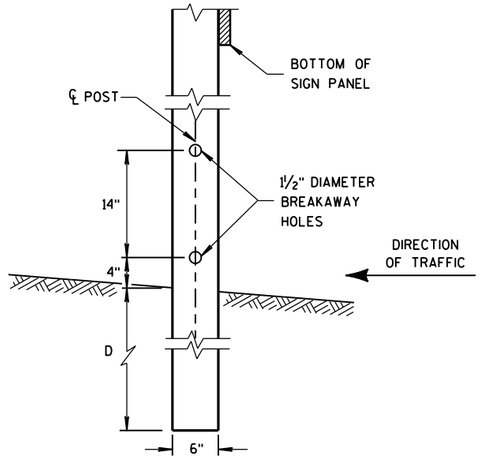
S.D.D. 15 D 30-3c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



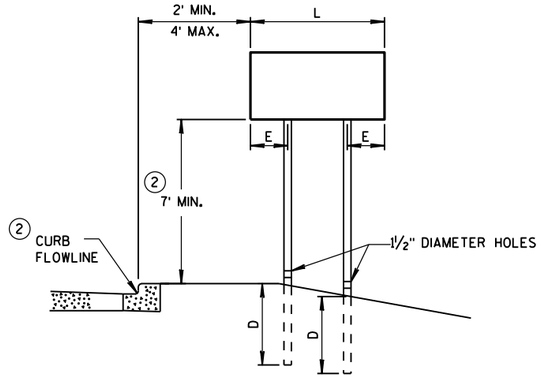
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

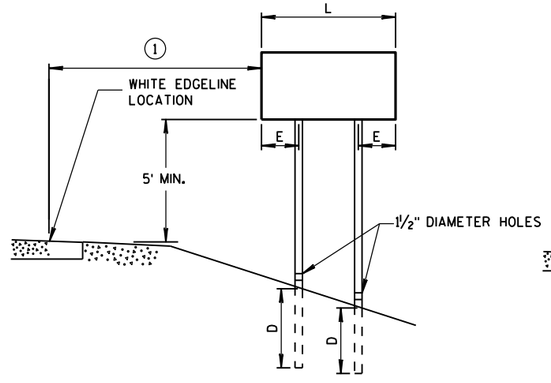
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

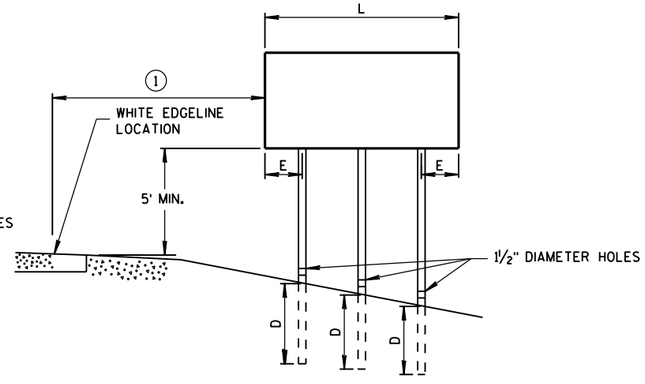
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

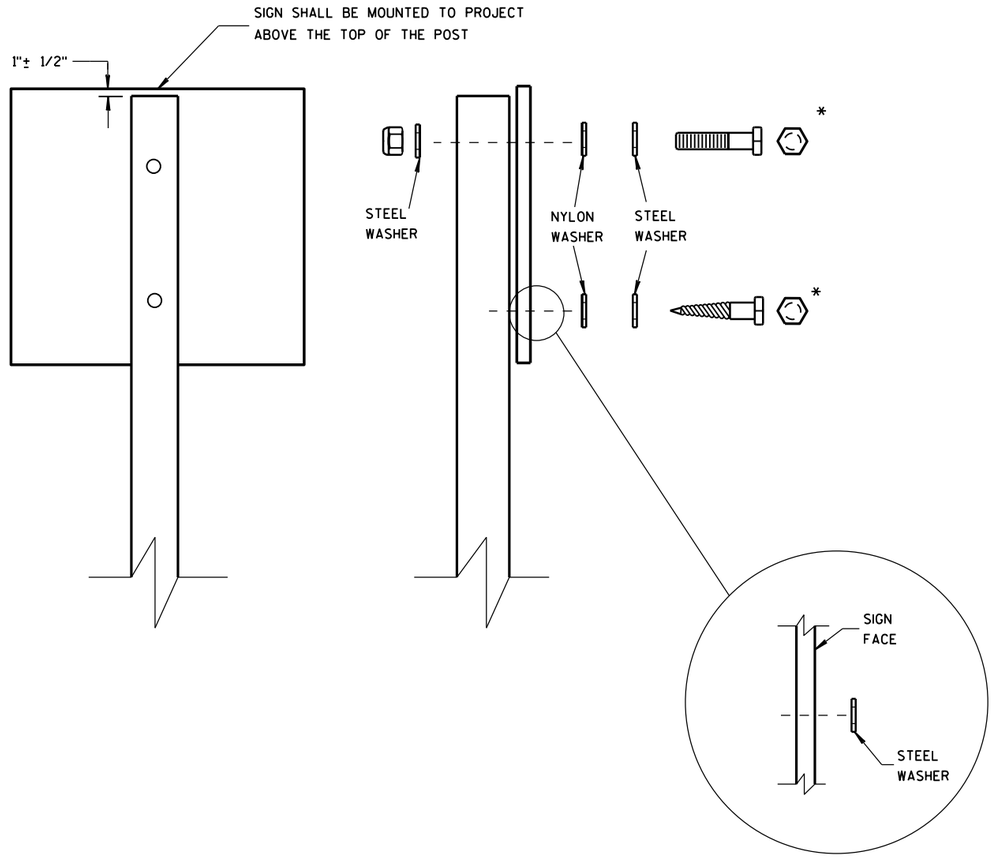
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPOR

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

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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

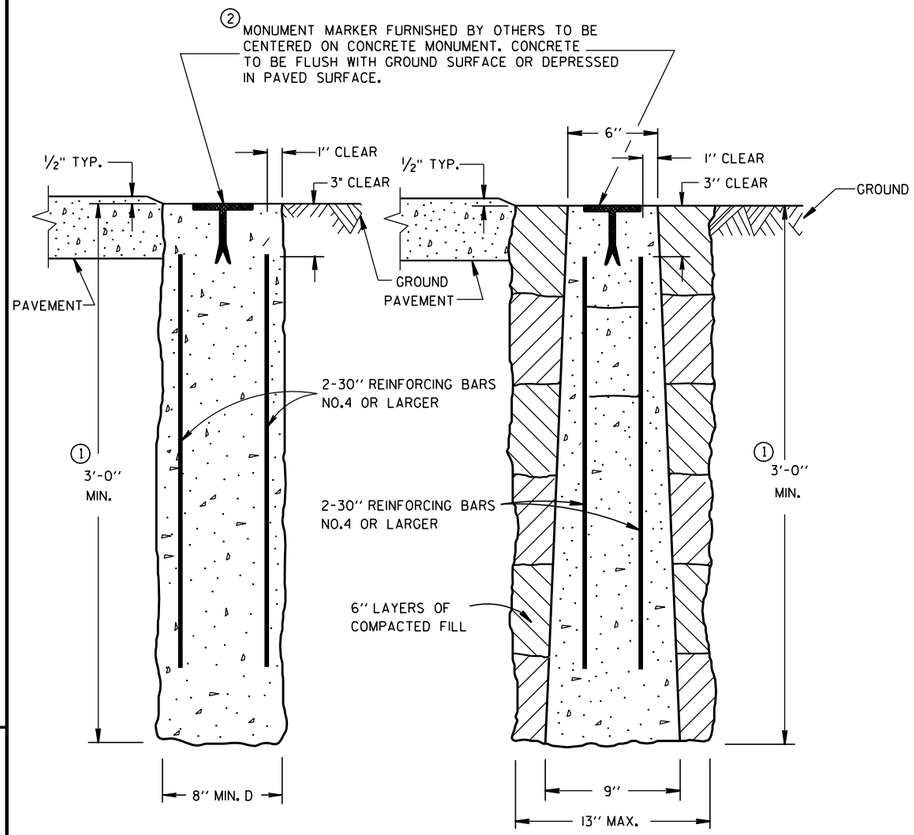
APPROVED

Feb. 2015
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

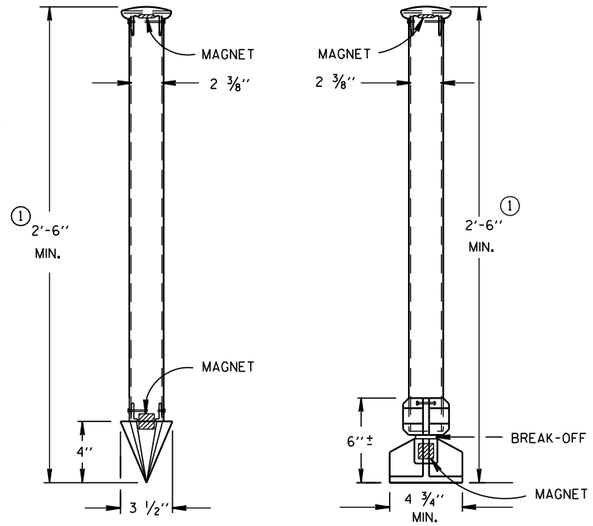
SIGN



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A

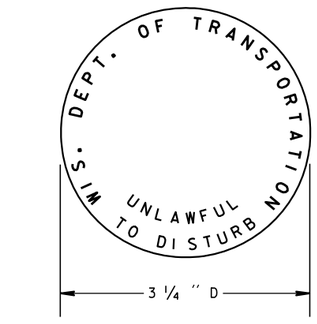


TYPE C DRIVE-IN MONUMENT

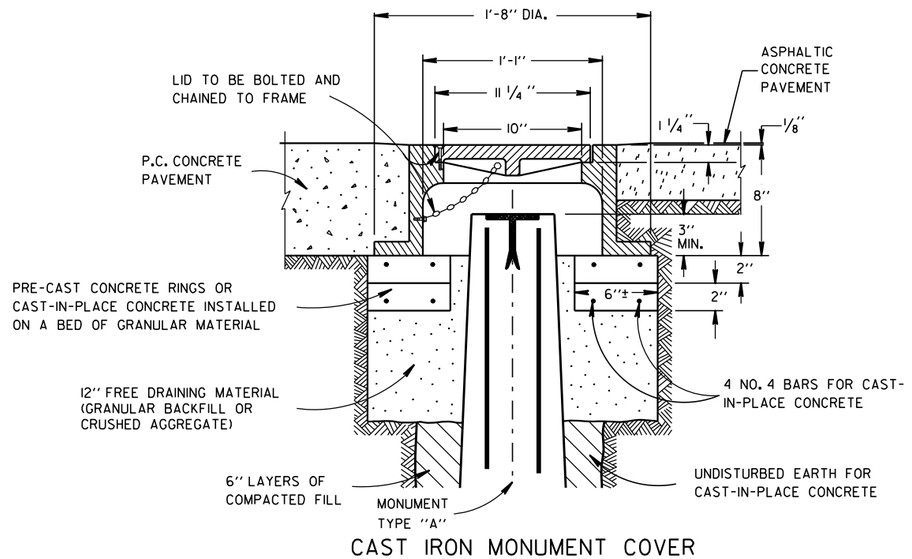
TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)



② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

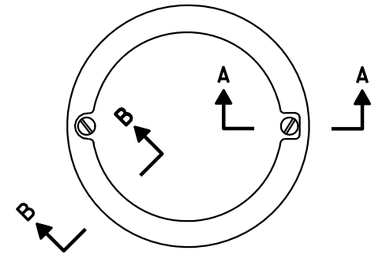
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

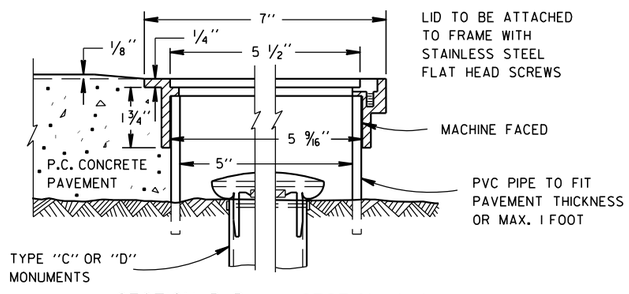
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

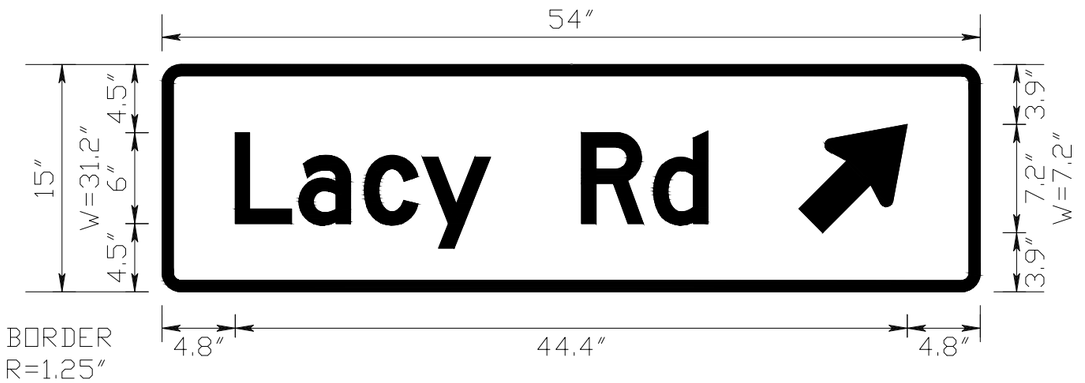
9/22/1999 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 16 A 1-6



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TH=0.75″

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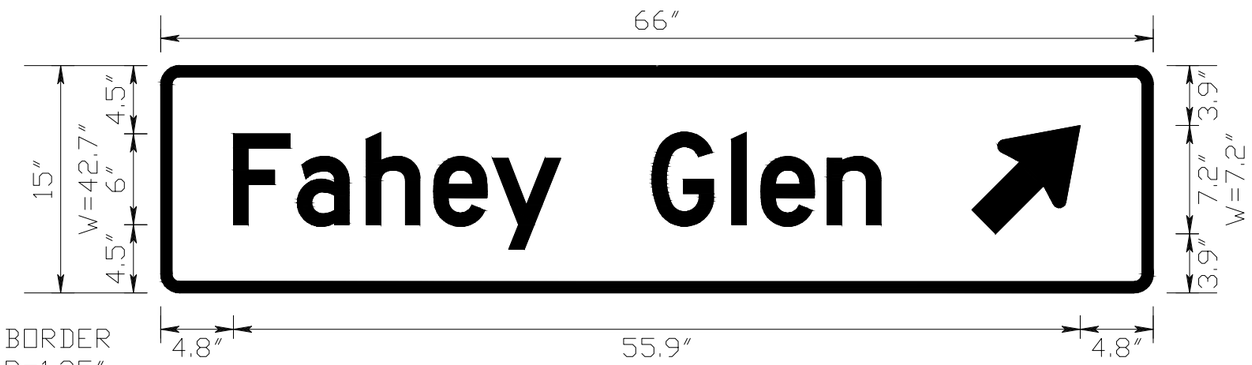
M.U.T.C.D.: 2009 Edition



BORDER
R=1.25″
TH=0.75″

Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

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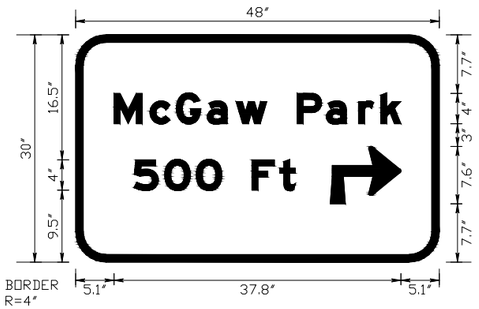
7

PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	SIGN DETAILS	SHEET 223	E



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M.U.T.C.D.: 2009 Edition

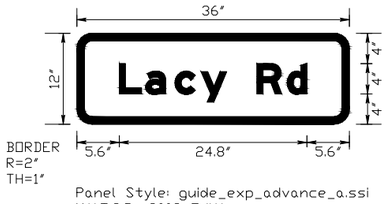
SIGN 4-10

NOTE: SIGN IS WHITE ON GREEN

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

SIGN 5-18

NOTE: SIGN IS WHITE ON GREEN



Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

NOTE: SIGN IS BLACK ON ORANGE

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

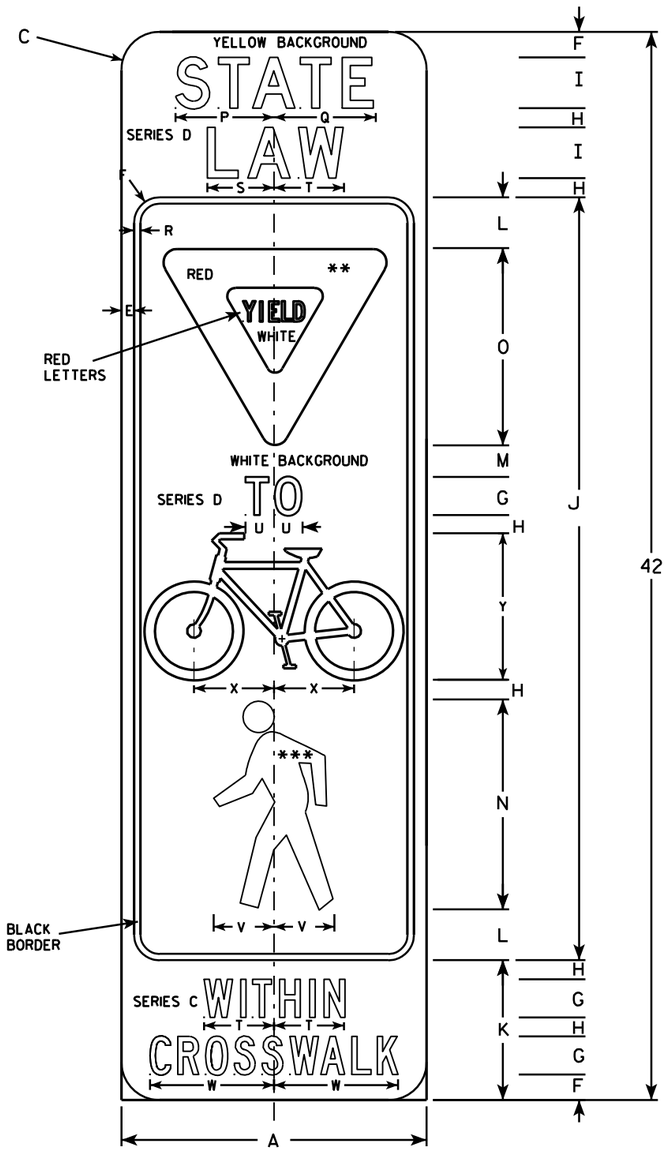
NOTE: SIGN IS BLACK ON ORANGE

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

NOTE: SIGN IS BLACK ON ORANGE

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

NOTE: SIGN IS BLACK ON ORANGE



** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-15 AND SIZE TO FIT

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
   YIELD SYMBOL - RED ON WHITE
   PED SYMBOL - BLACK ON WHITE
3. Message Series - AS SHOWN AND IN TABLE
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	12	42	1 1/2		1/2	1	1 1/2C	3/4	2 D	30	5 1/2	2	1 1/4	8 1/4	7 3/4	3 7/8	4	1/4	2 5/8	2 3/4	1 1/8	2 3/8	4 7/8	3 1/8	5 3/4		3.0
2M	12	42	1 1/2		1/2	1	1 1/2C	3/4	2 D	30	5 1/2	2	1 1/4	8 1/4	7 3/4	3 7/8	4	1/4	2 5/8	2 3/4	1 1/8	2 3/8	4 7/8	3 1/8	5 3/4		3.0
3																											
4																											
5																											

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

APPROVED _____

State Traffic Engineer

DATE _____ PLATE NO. _____

PROJECT NO:

SHEET NO: 225 E

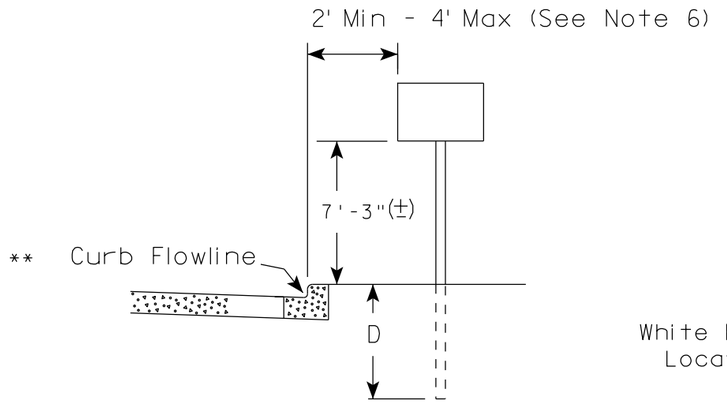
FILE NAME : c:\users\PROJECTS\tr_misc\R16mod.dgn PLOT DATE : 02-NOV-2011 14:51 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

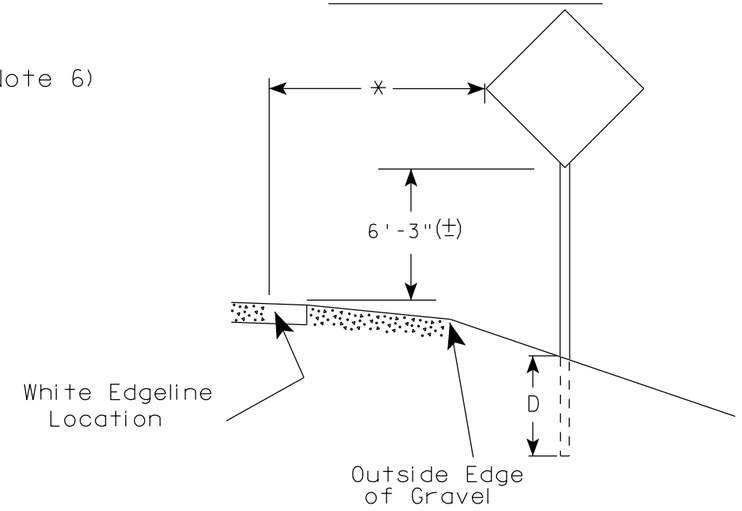
7

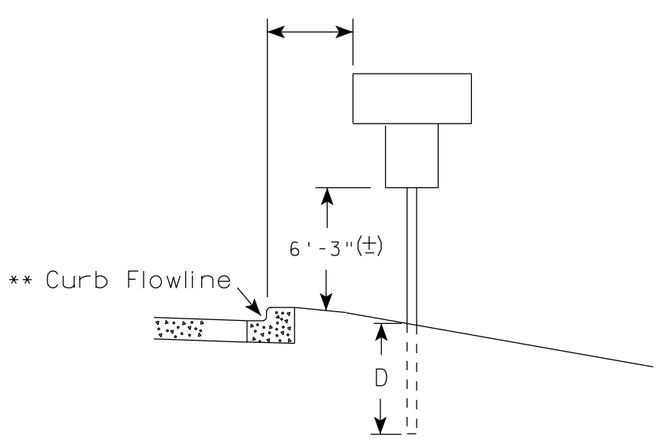
7

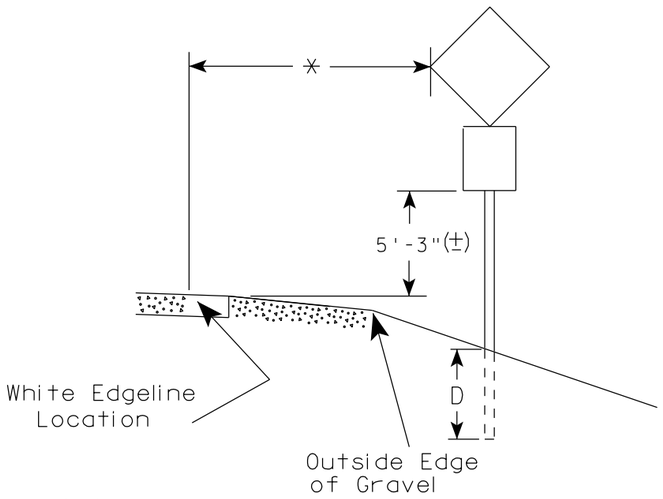
URBAN AREA



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

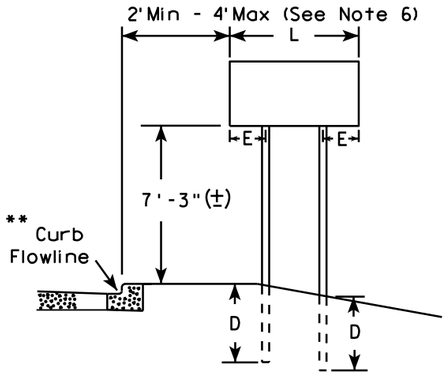
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

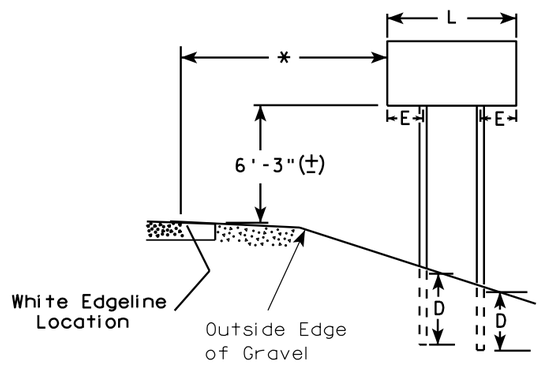
DATE 7/23/15 PLATE NO. A4-3.20

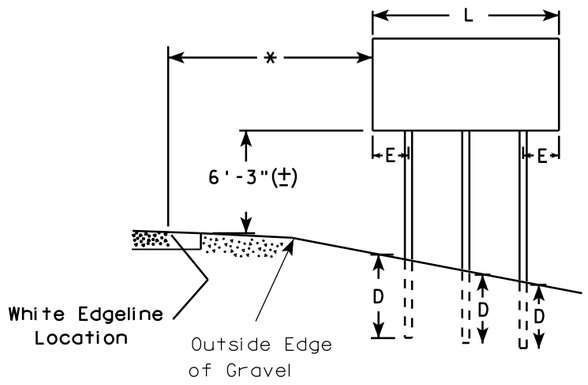
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

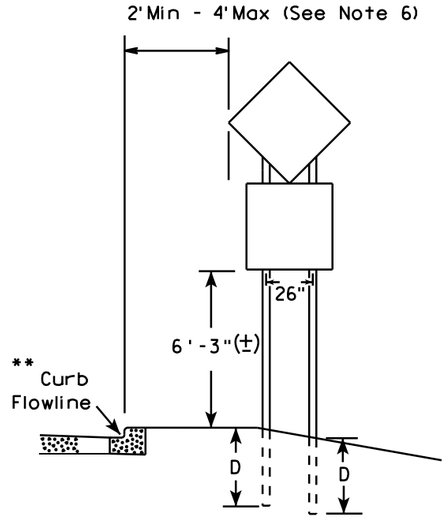
URBAN AREA



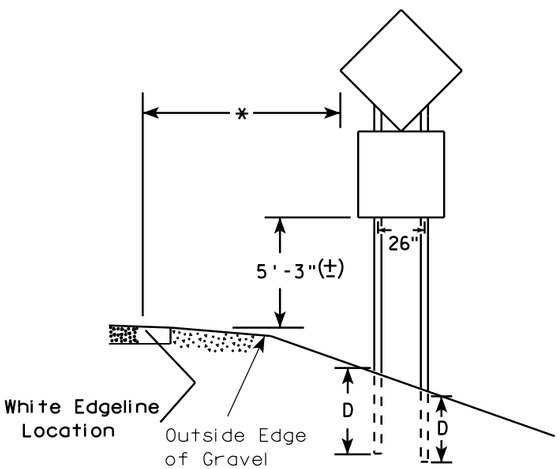
RURAL AREA (See Note 3)







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

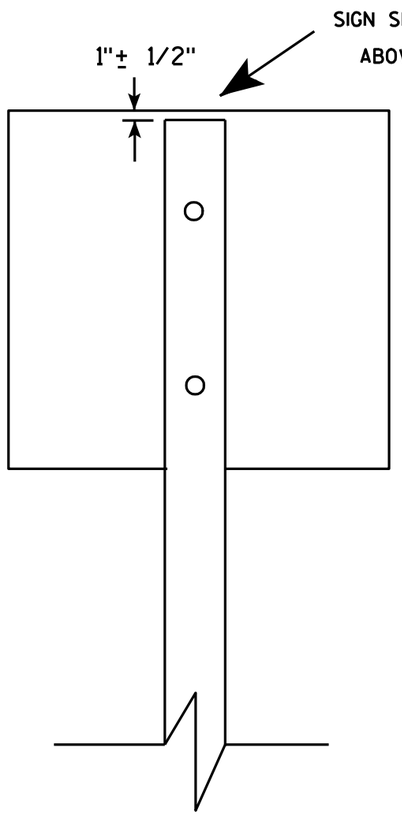
APPROVED Matthew R Rauch
for State Traffic Engineer

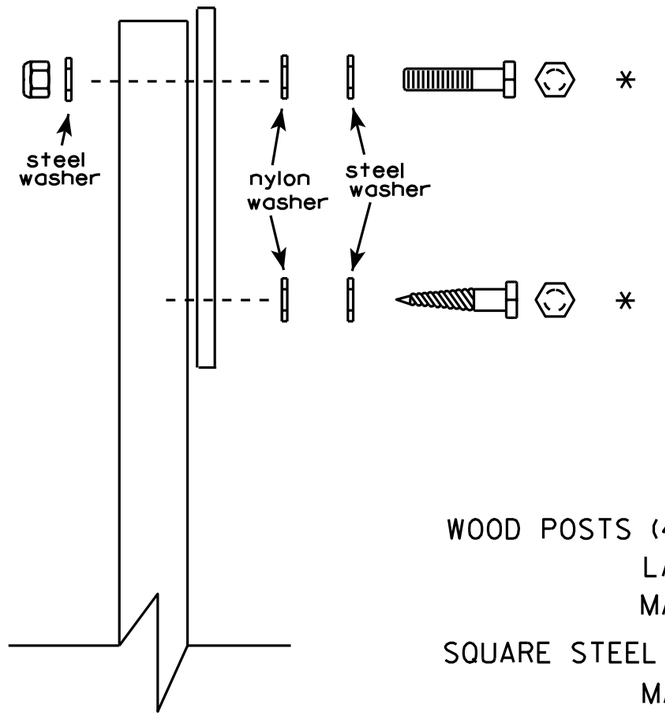
DATE 7/23/15 PLATE NO. A4-4 227 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

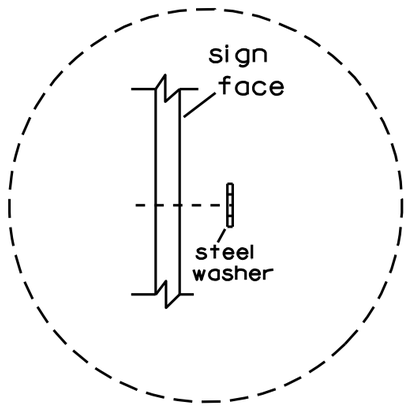
a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

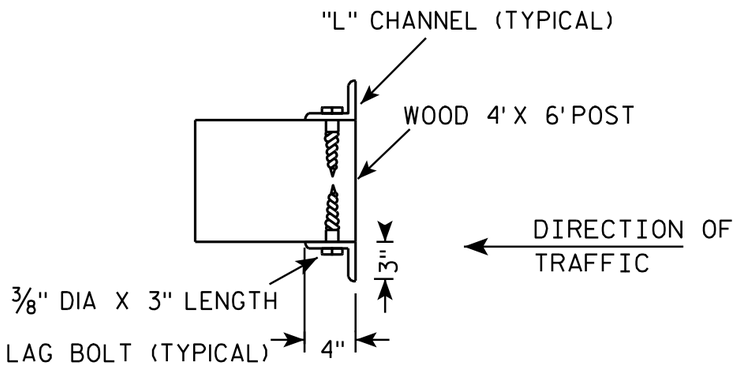
7

7

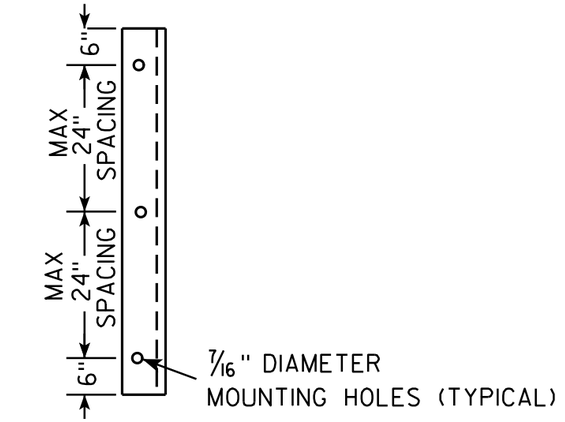
PROJECT NO:

SHEET NO: 228 E

TYPE I SIGN MOUNTING ON WOOD 4" X 6" POSTS



TOP VIEW OF INSTALLATION



MOUNTING HOLE LOCATIONS
(IN 4" FACE OF "L" CHANNEL)

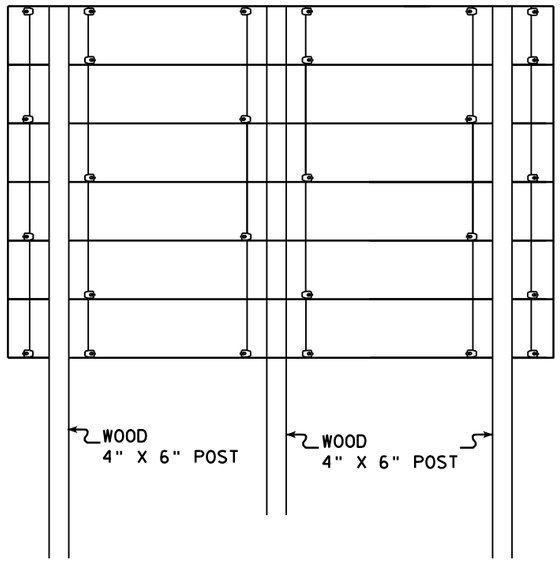
1. "L" CHANNEL MATERIAL SHALL BE GALVANIZED STEEL, IN ACCORDANCE WITH SEC 635 OF THE STANDARD SPECIFICATIONS. ALUMINUM "L" BRACKETS MAY BE USED, CONFORMING TO ASTM B221, ALLOY 6061-T6, 6063-T5, OR 6063-T6.

2. THE LENGTH OF THE ALUMINUM "L" CHANNEL SHALL BE THE SAME AS THE HEIGHT OF THE SIGN.

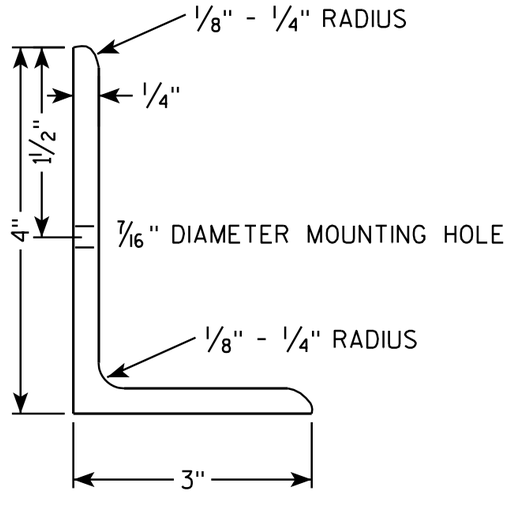
3. TWO "L" CHANNEL BRACKETS SHALL BE ATTACHED TO EACH WOOD 4" X 6" POST AS SHOWN ON THE DETAIL.

4. TYPE I SIGNS SHALL BE ATTACHED TO THE "L" CHANNEL BRACKETS IN ACCORDANCE TO THE A4-6 SIGN PLATE.

5. LAG BOLTS SHALL BE FURNISHED IN ACCORDANCE TO THE A4-8 SIGN PLATE.



BACK OF SIGN



END VIEW OF "L" CHANNEL BRACKET

7

7

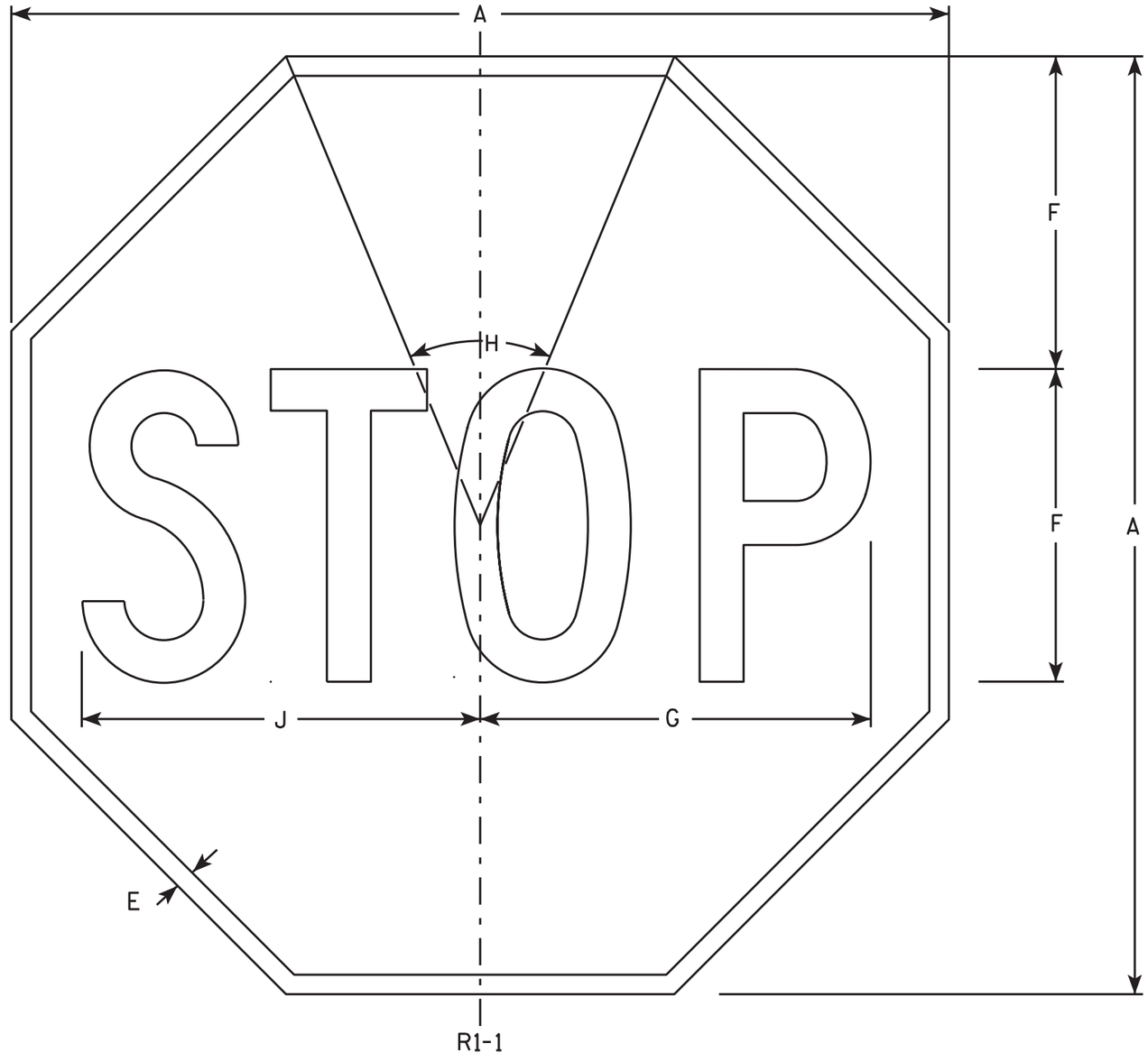
TYPE I
SIGN MOUNTING
ON WOOD POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/7/10 PLATE NO. A5-7.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	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 - 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

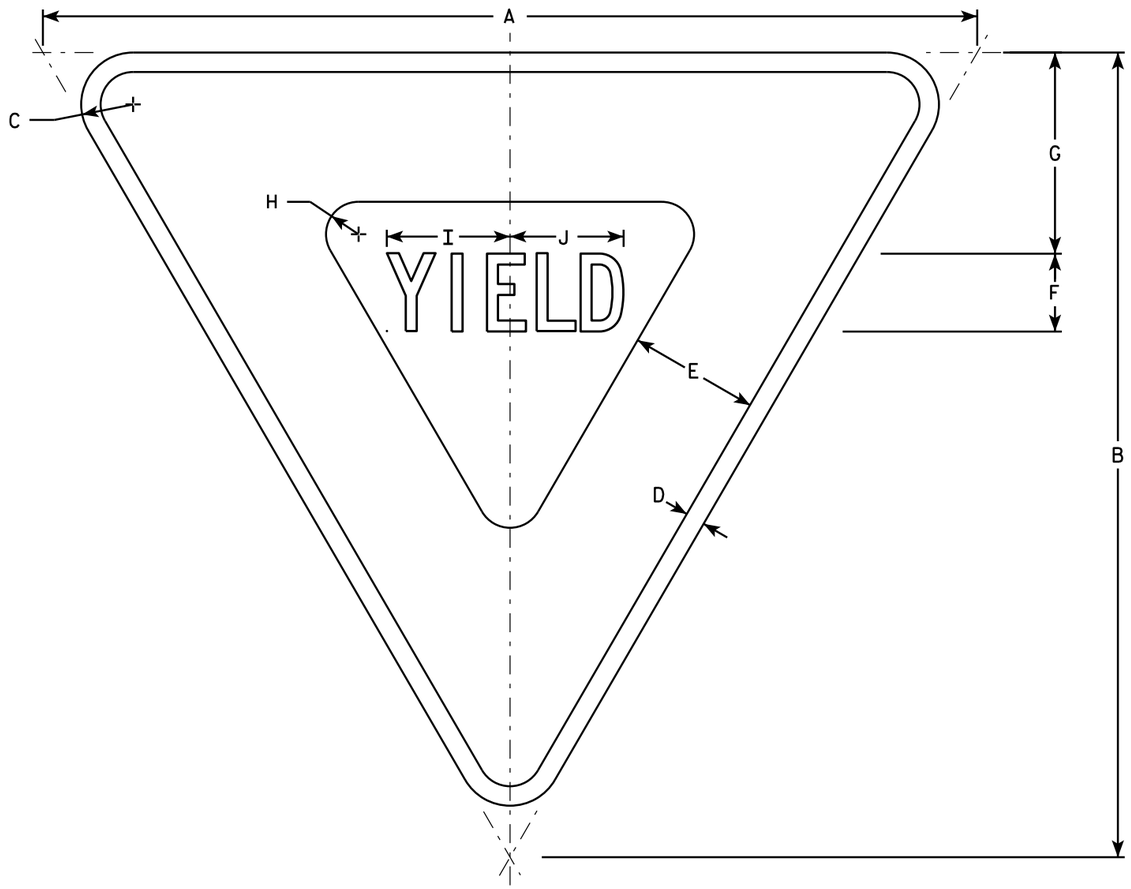
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO. 230	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

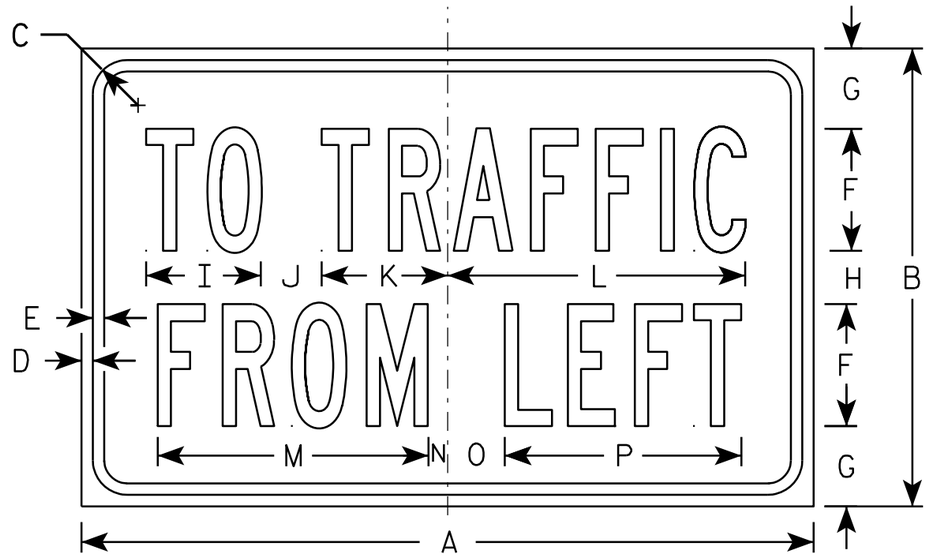
WISCONSIN DEPT OF TRANSPORTATION

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



R1-54

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 - B

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	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

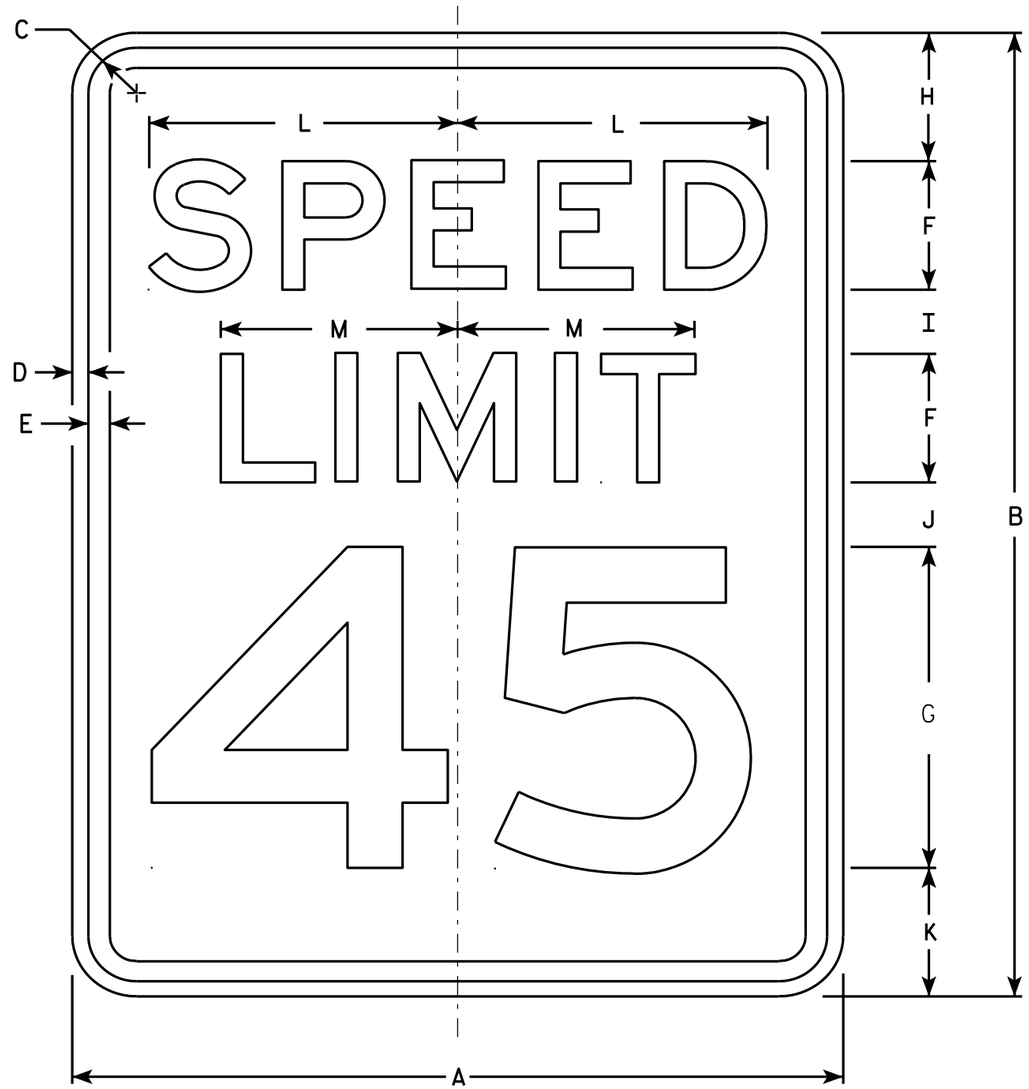
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E



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

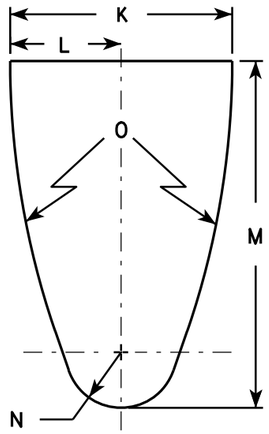
STANDARD SIGN
R2-1

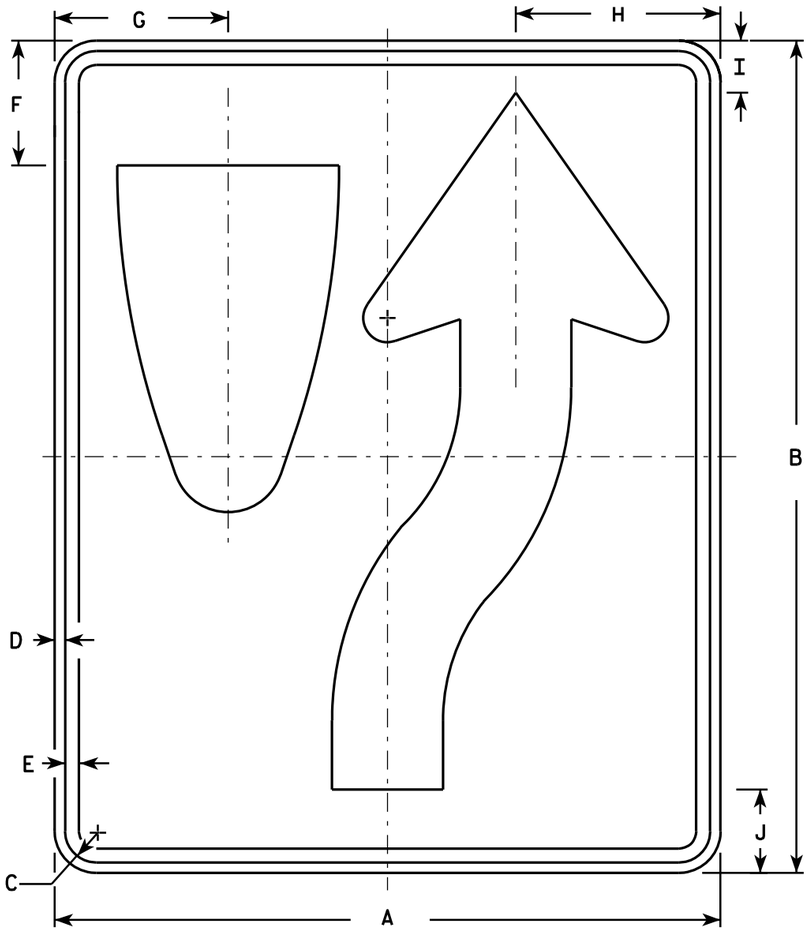
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E

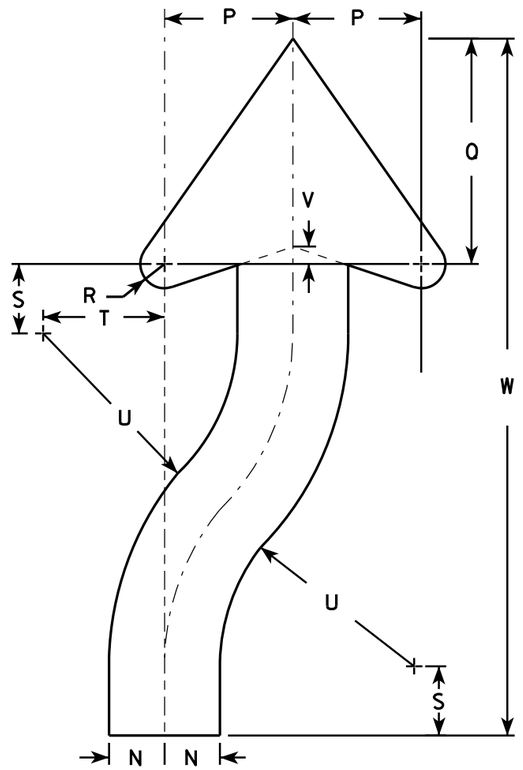




R4-7

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

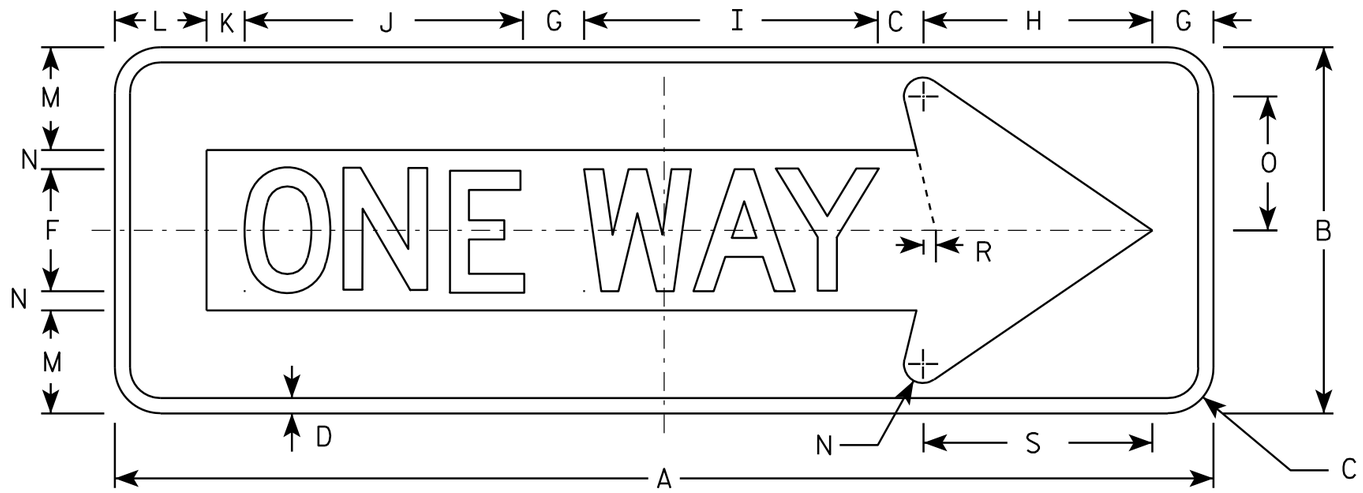
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

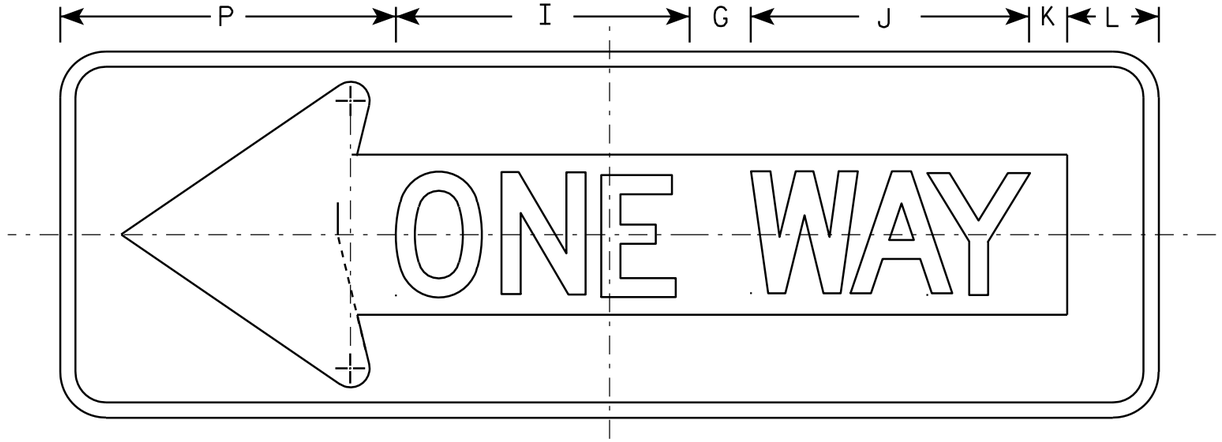
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



R6-1R



R6-1L

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.

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

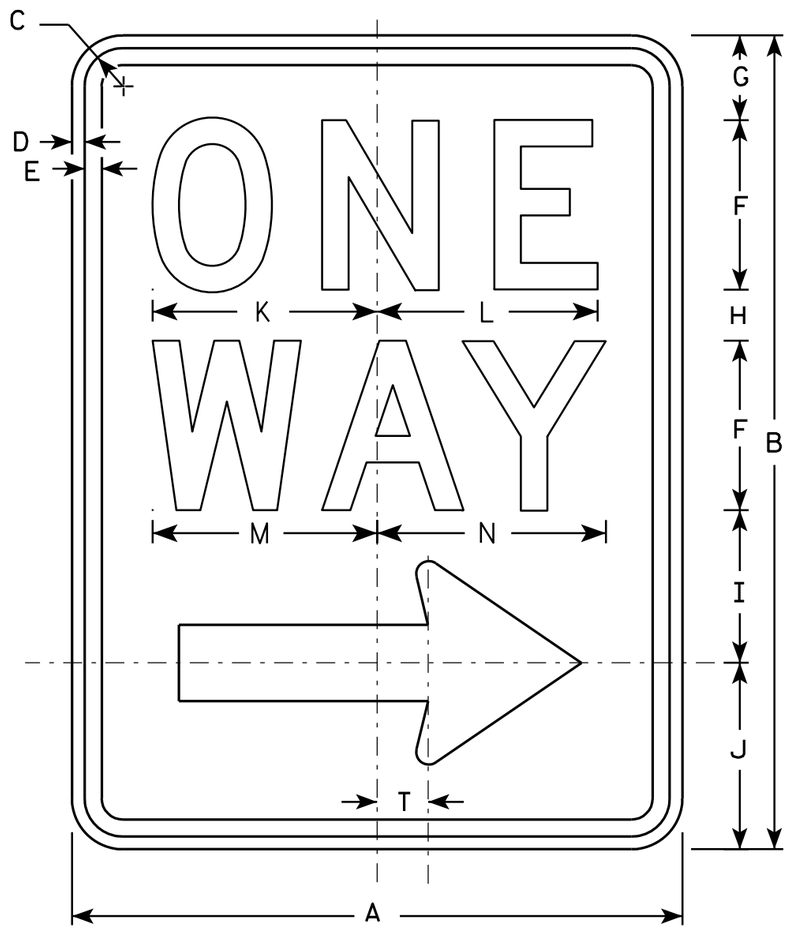
DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO: 235 E

7

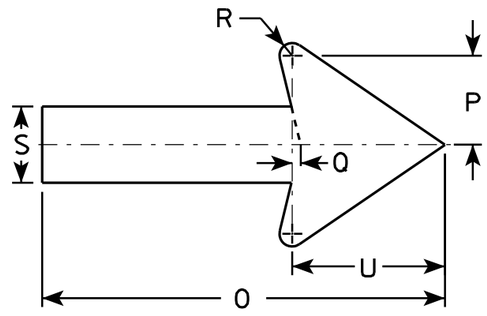
7



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	O	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

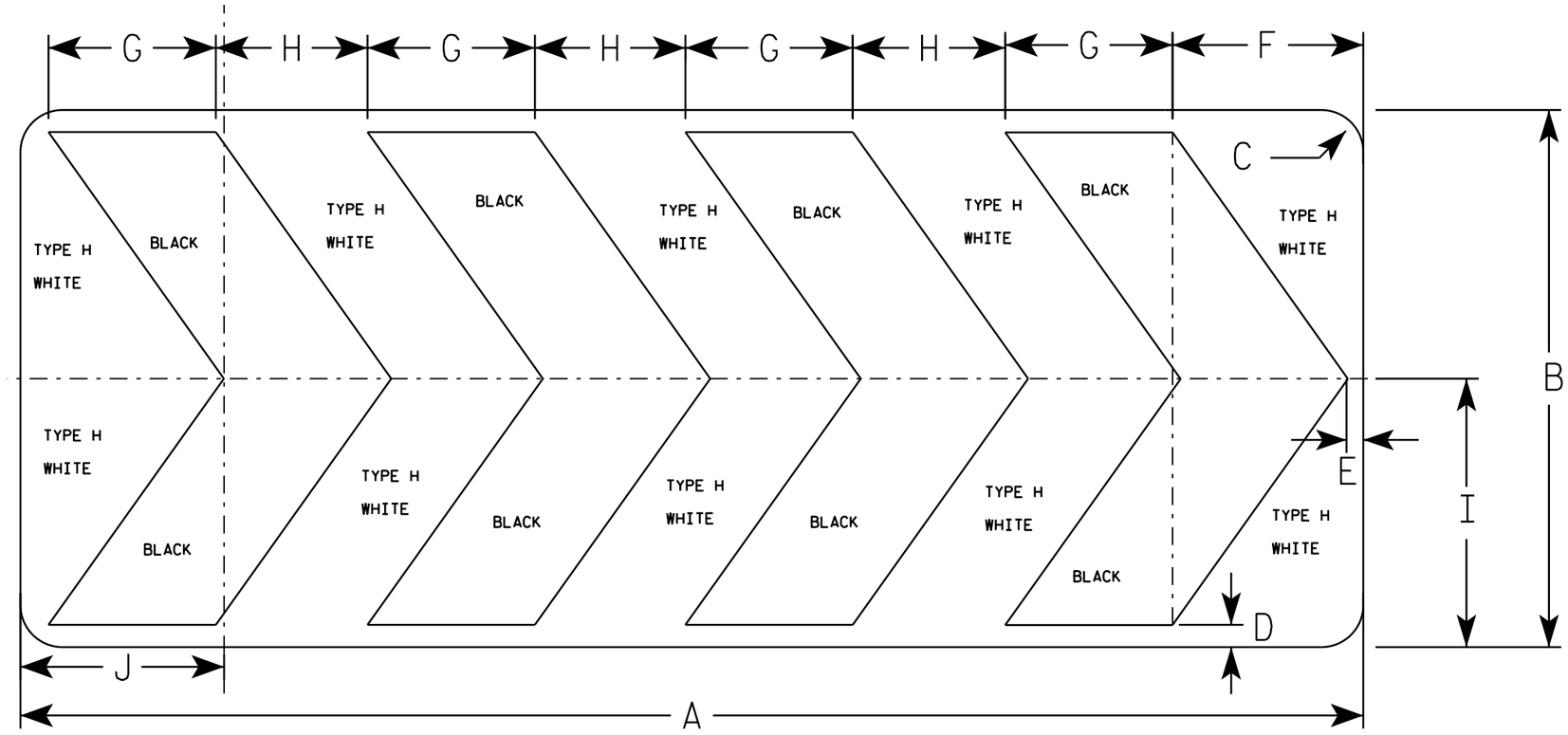
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	E

NOTES

1. Sign is Type II - Type H Reflective
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.



R6-4B

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	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

R7-9

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 - Red
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.

7

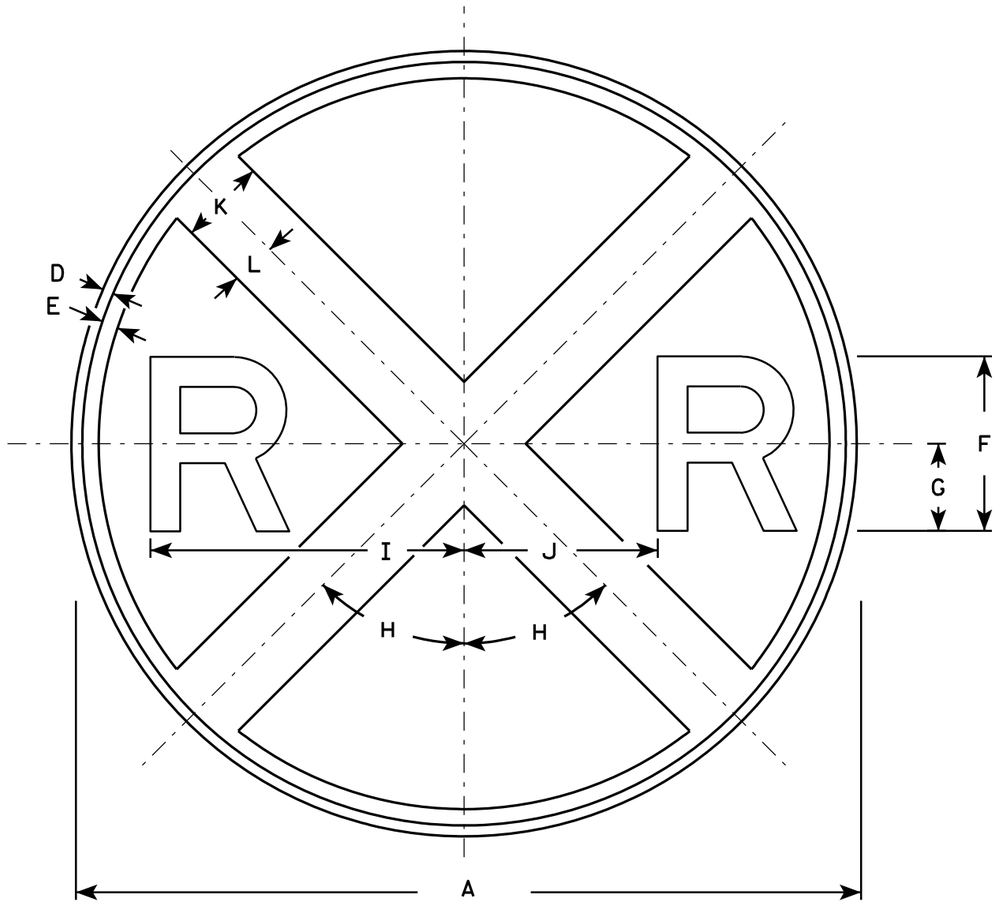
7

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	SIGN DETAILS	SHEET 238	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\SHEETSPLAN\070102_SD-MCGAW PARK.DWG
LAYOUT NAME - 070103_SD

PLOT DATE : 12/21/2016 10:55 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

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			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

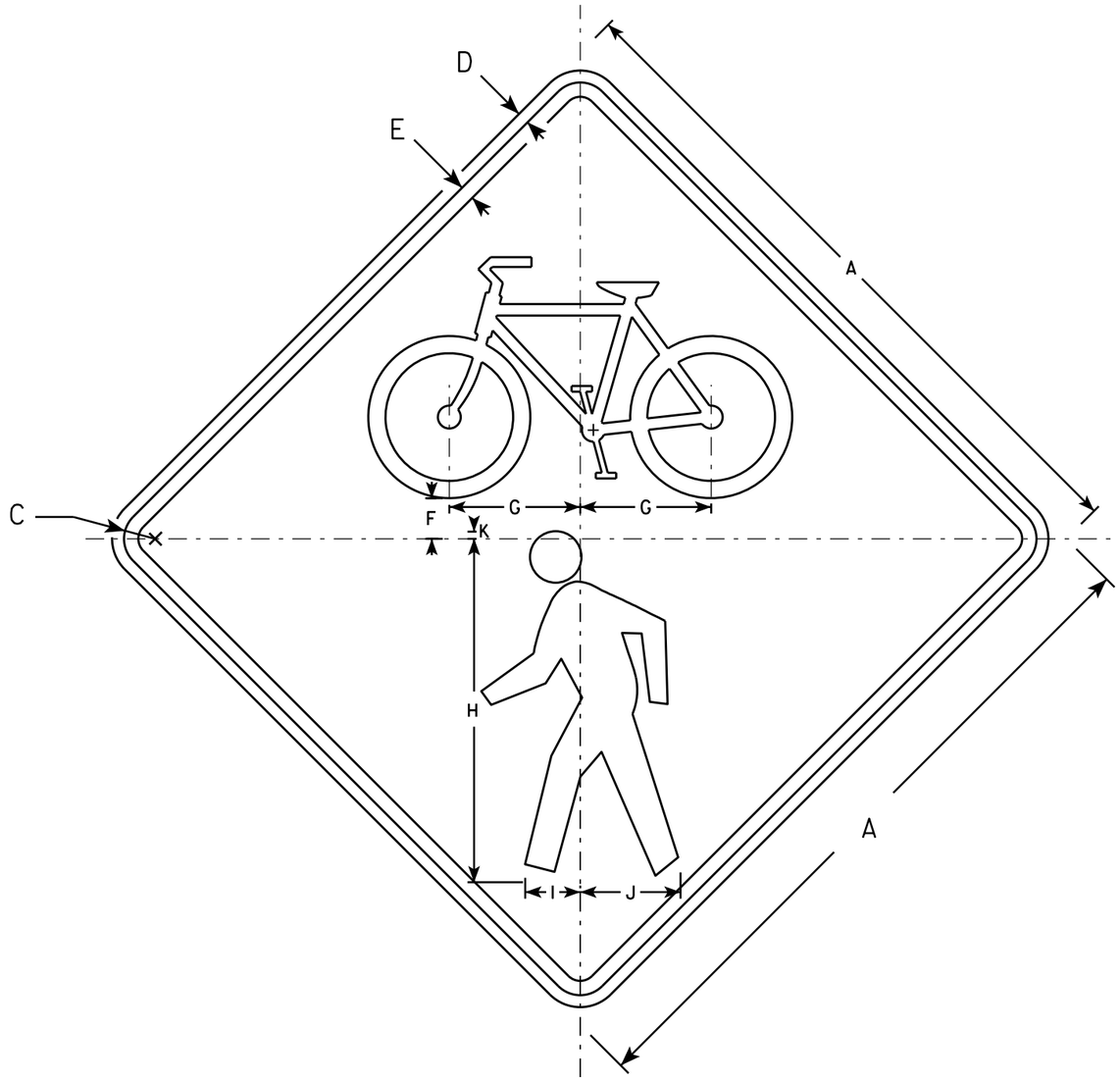
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 239	E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

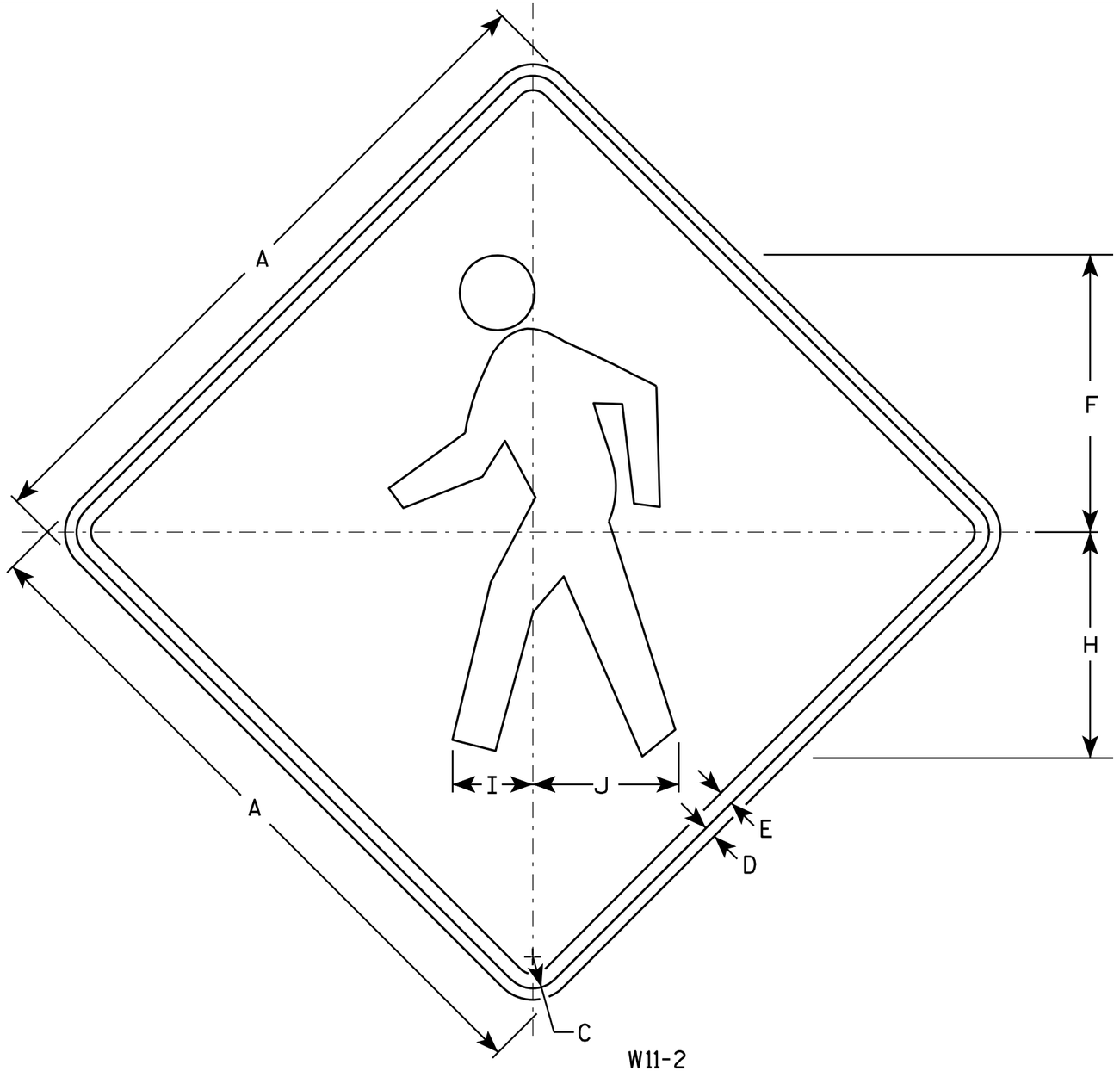
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



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																											

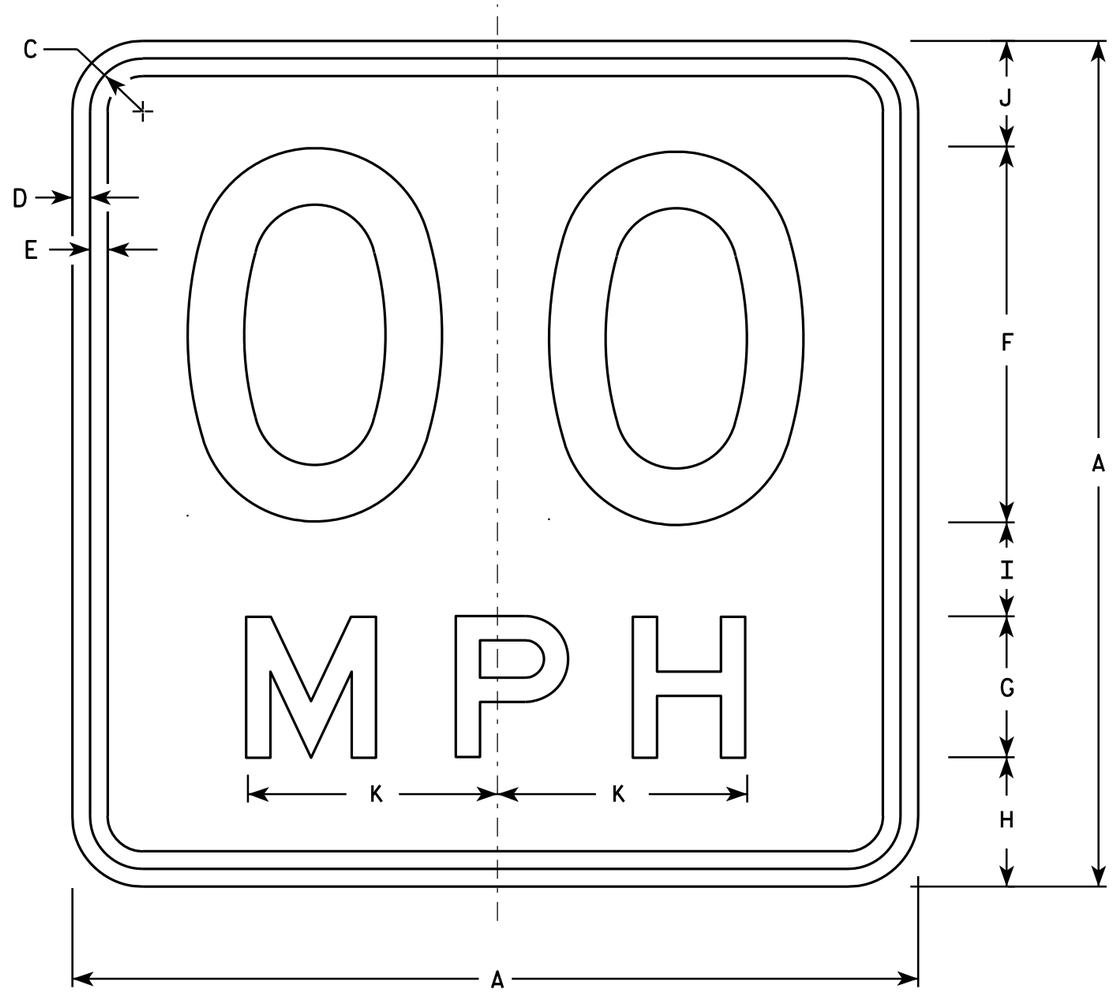
STANDARD SIGN
W11-2

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: 241	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 6
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.
6. Line 1 is Series D
   Line 2 is Series E

	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	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

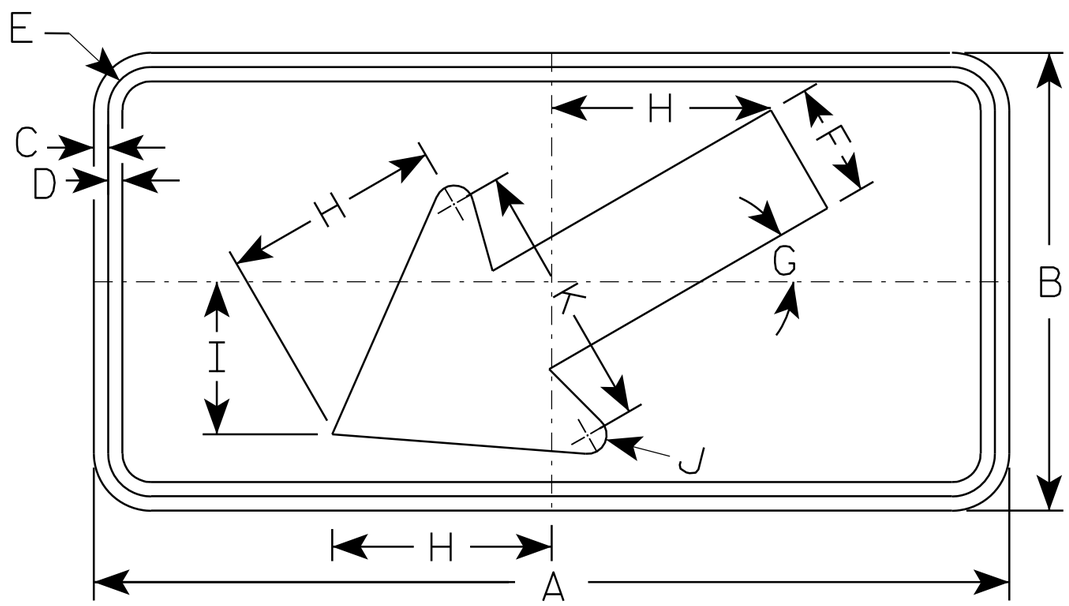
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 242	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

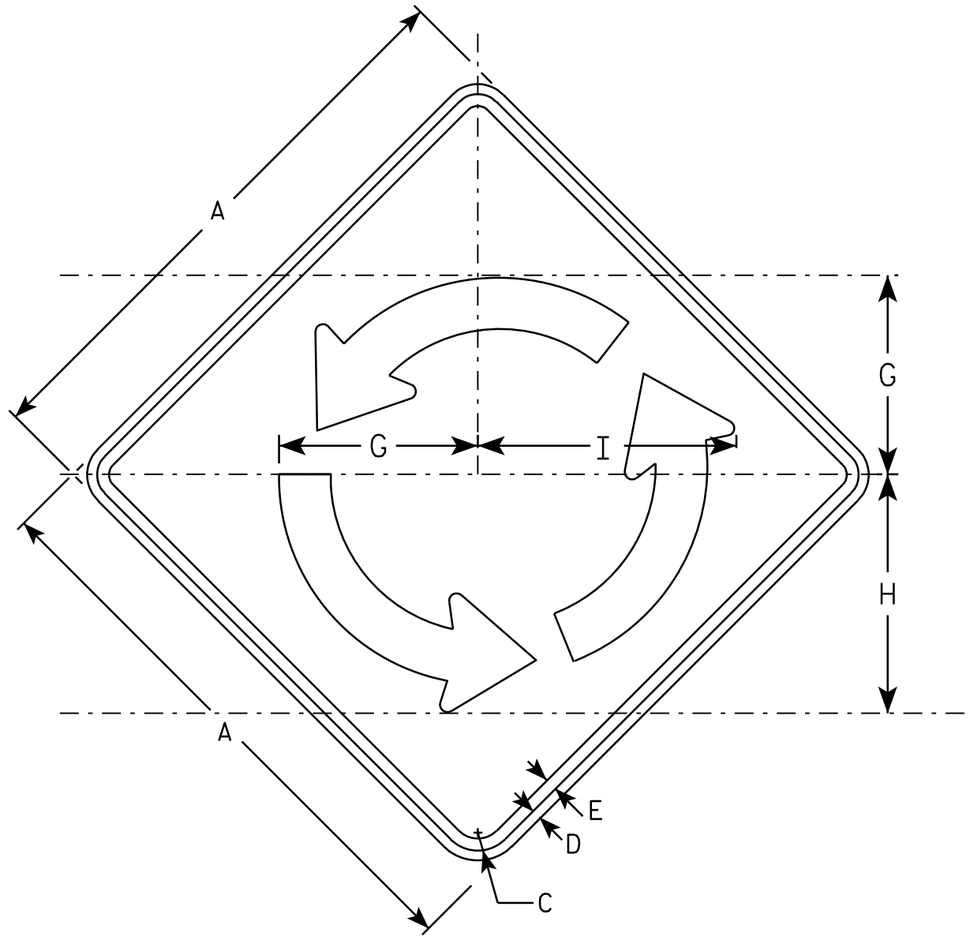
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

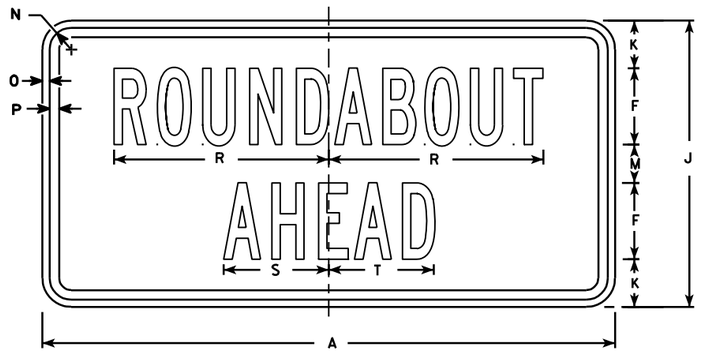
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 243	E



W2-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   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.



W2-6P

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	W2-6 Area sq. ft.	W2-6P Area sq. ft.
1																										
2S	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
2M	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
3	36		1 5/8	5/8	3/4	5	12 1/2	15	16 1/4	18	2 5/8		2 3/4	1 1/8	3/8	1/2		14	7	6 3/4					9.00	4.50
4	48		2 1/4	3/4	1	6	16 5/8	20	16 1/4	24	4 3/8		3 5/8	1 3/8	1/2	5/8		17	8 1/4	8 1/4					16.0	8.0
5																										

STANDARD SIGN
W2-6

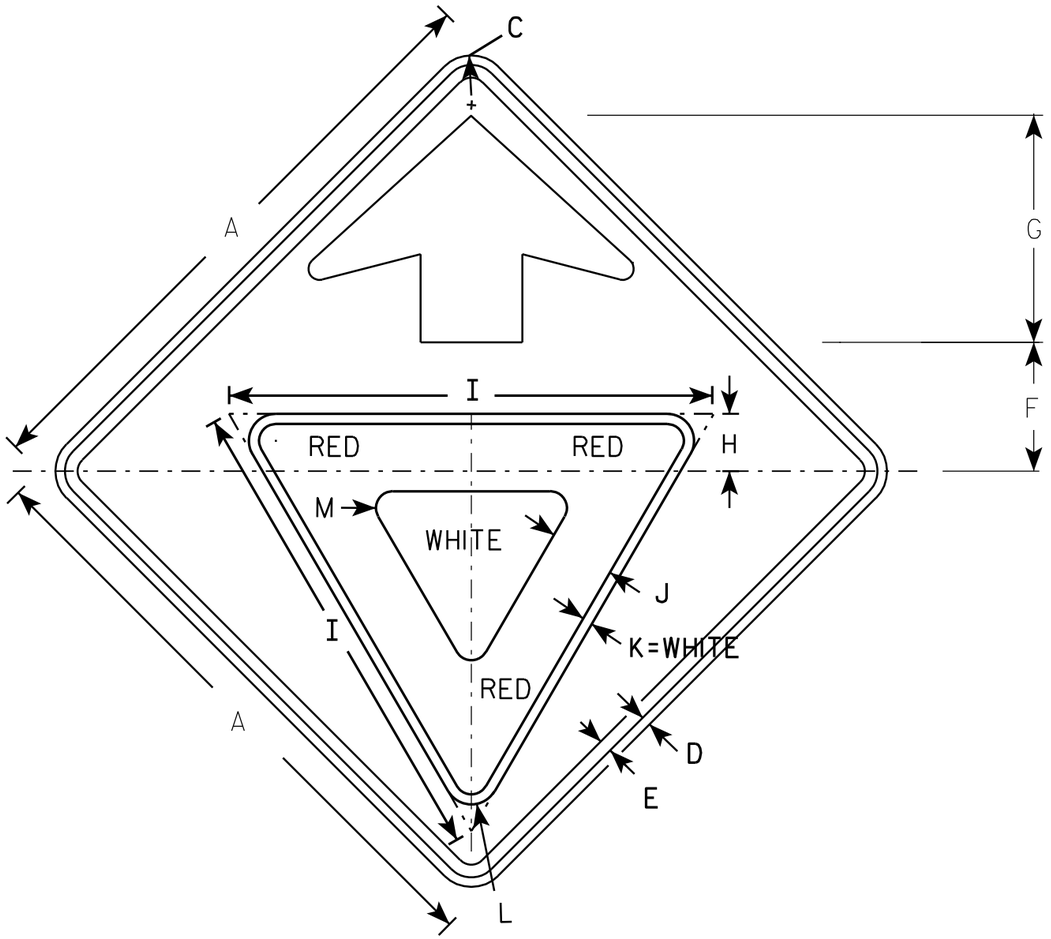
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

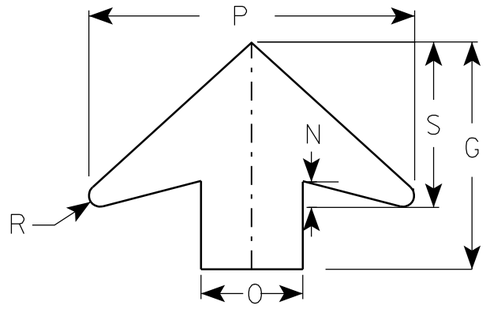
SHEET NO: 244 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield 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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

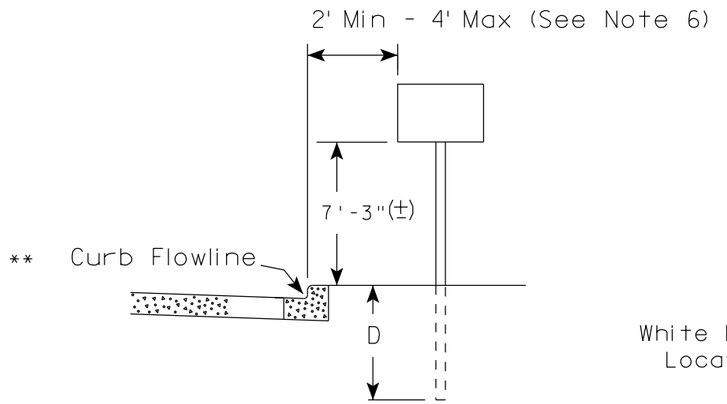
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

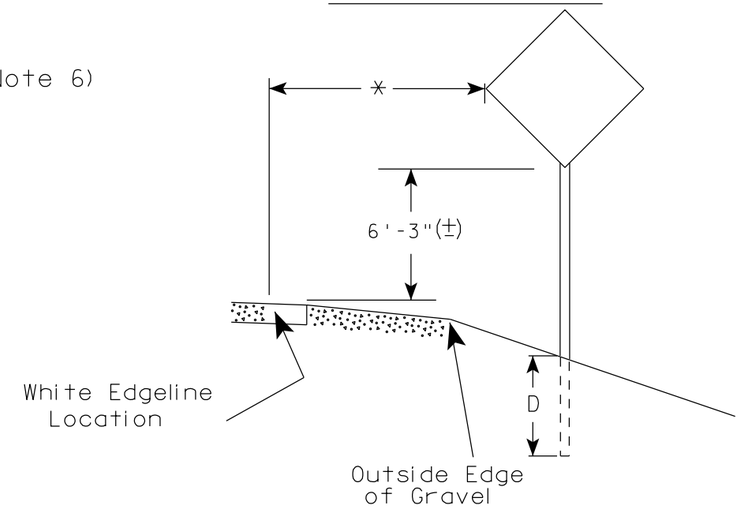
PROJECT NO:

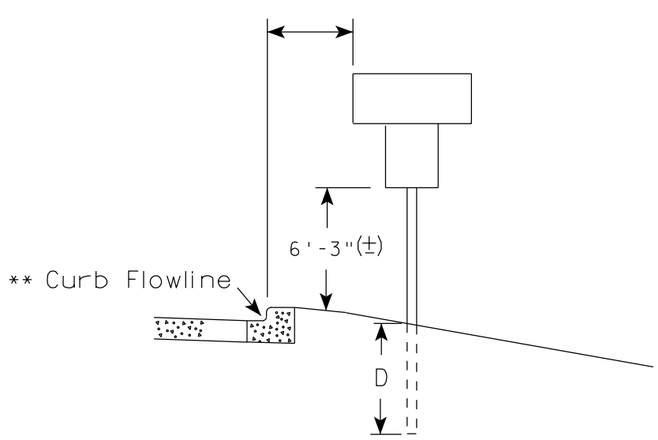
SHEET NO: 245 E

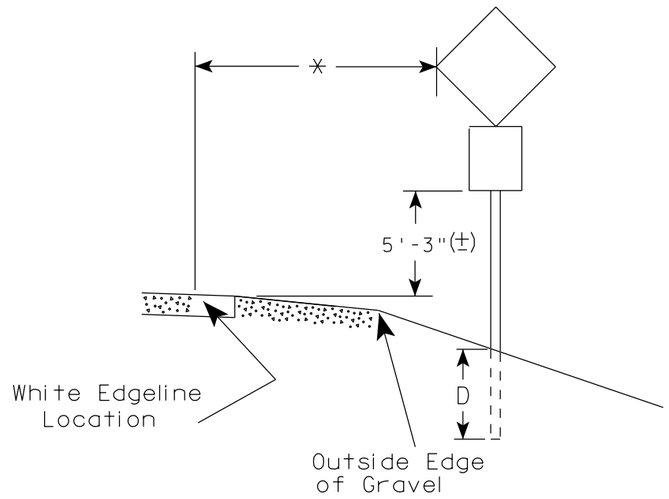
URBAN AREA



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" (±).

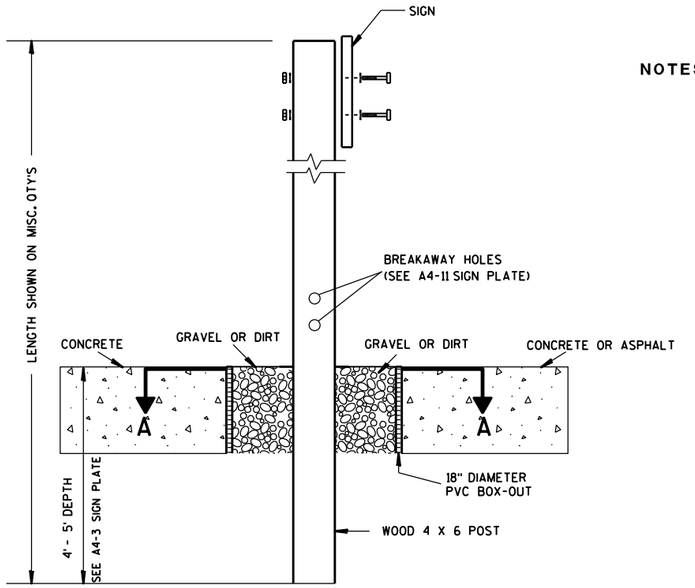
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

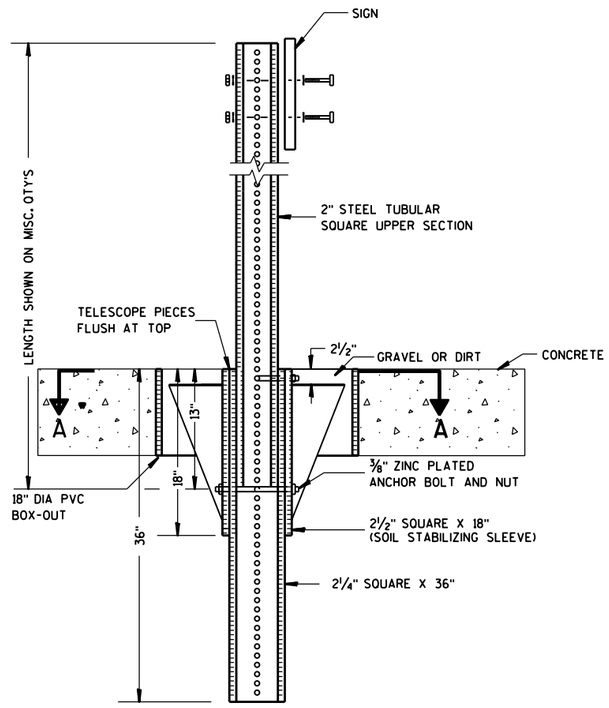
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

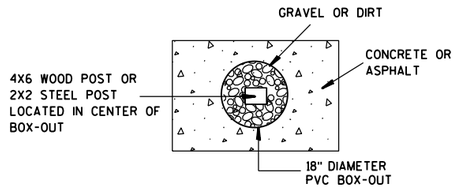
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

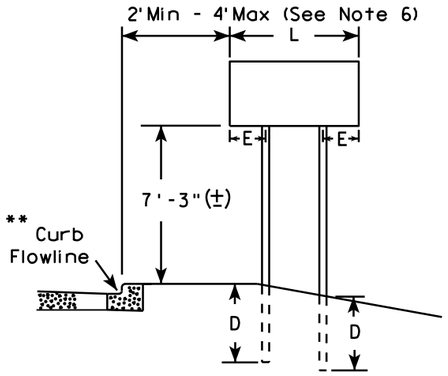
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

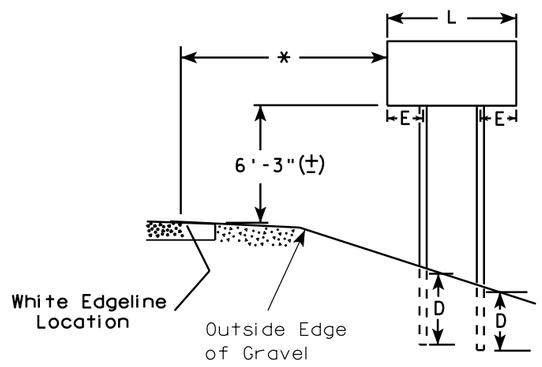
DATE 1/27/14 PLATE NO. A4-3B.1

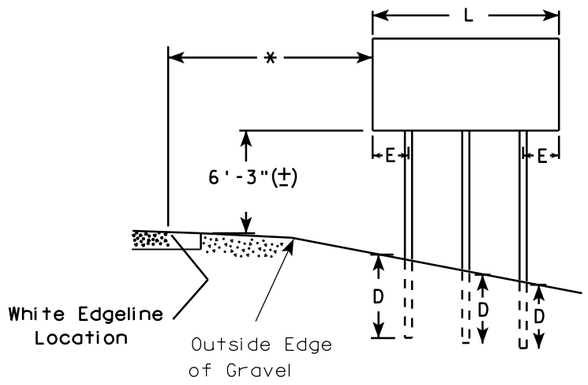
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

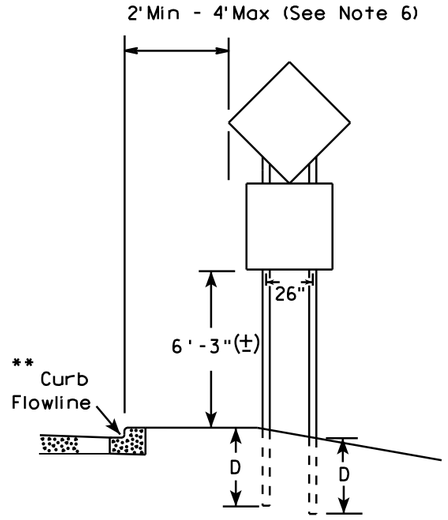
URBAN AREA



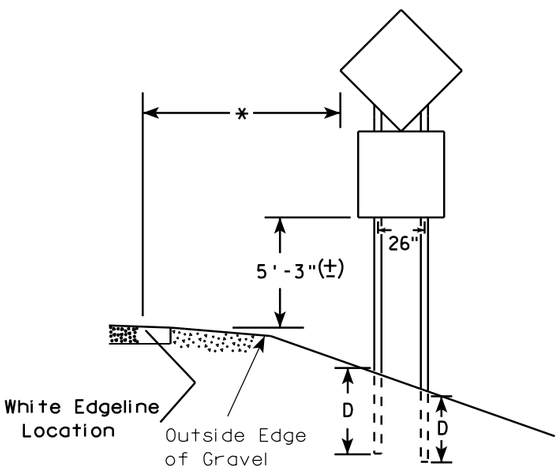
RURAL AREA (See Note 3)







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'

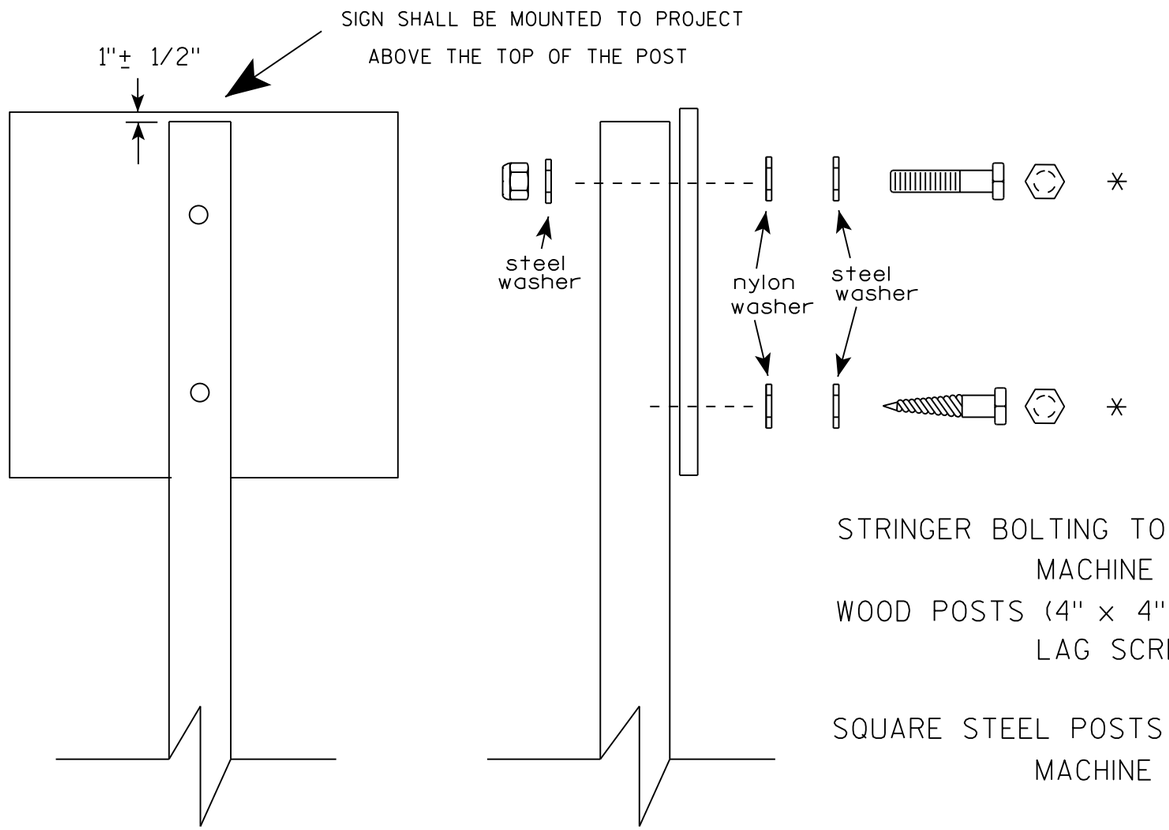
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14
248

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

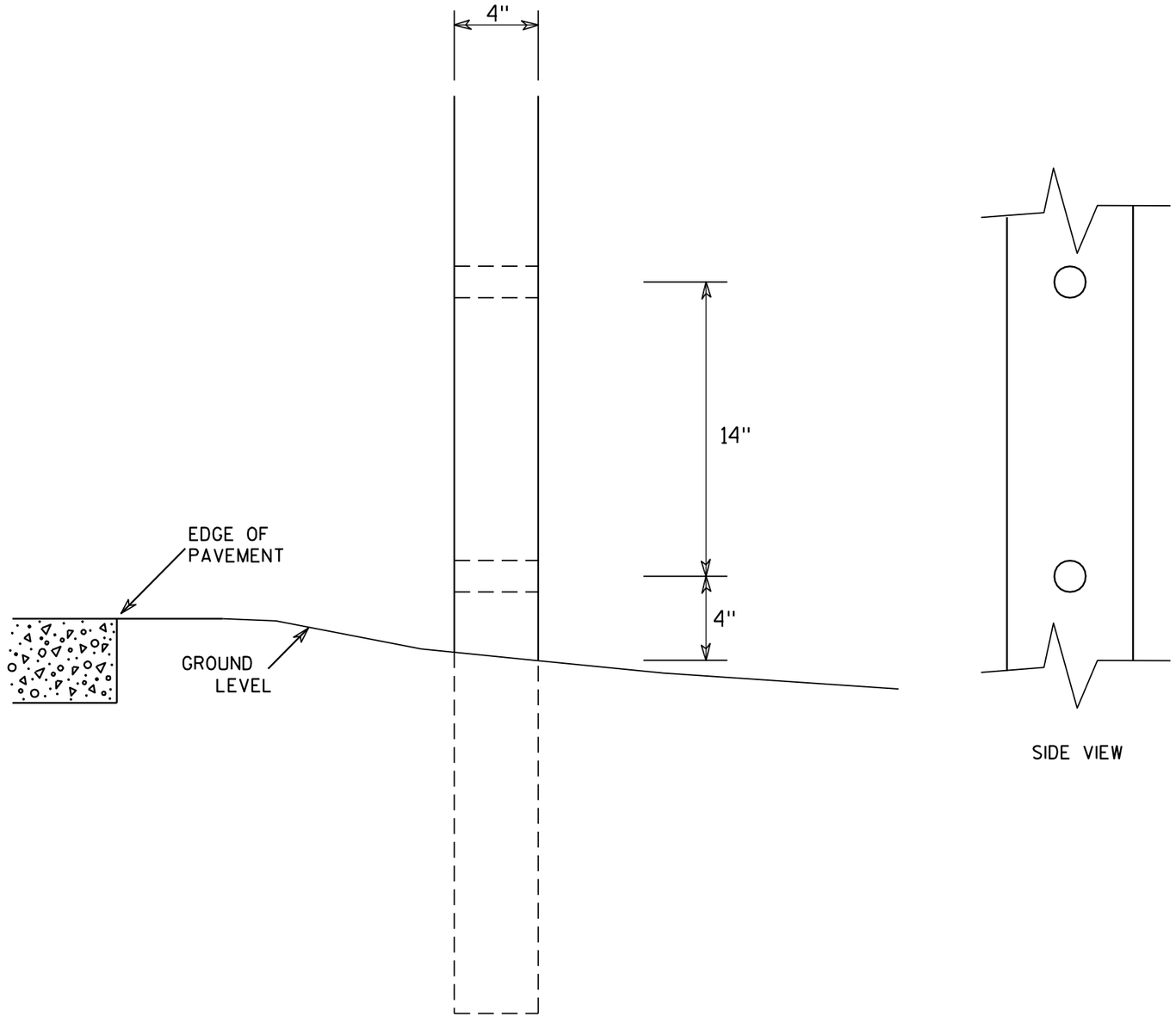
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$



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.

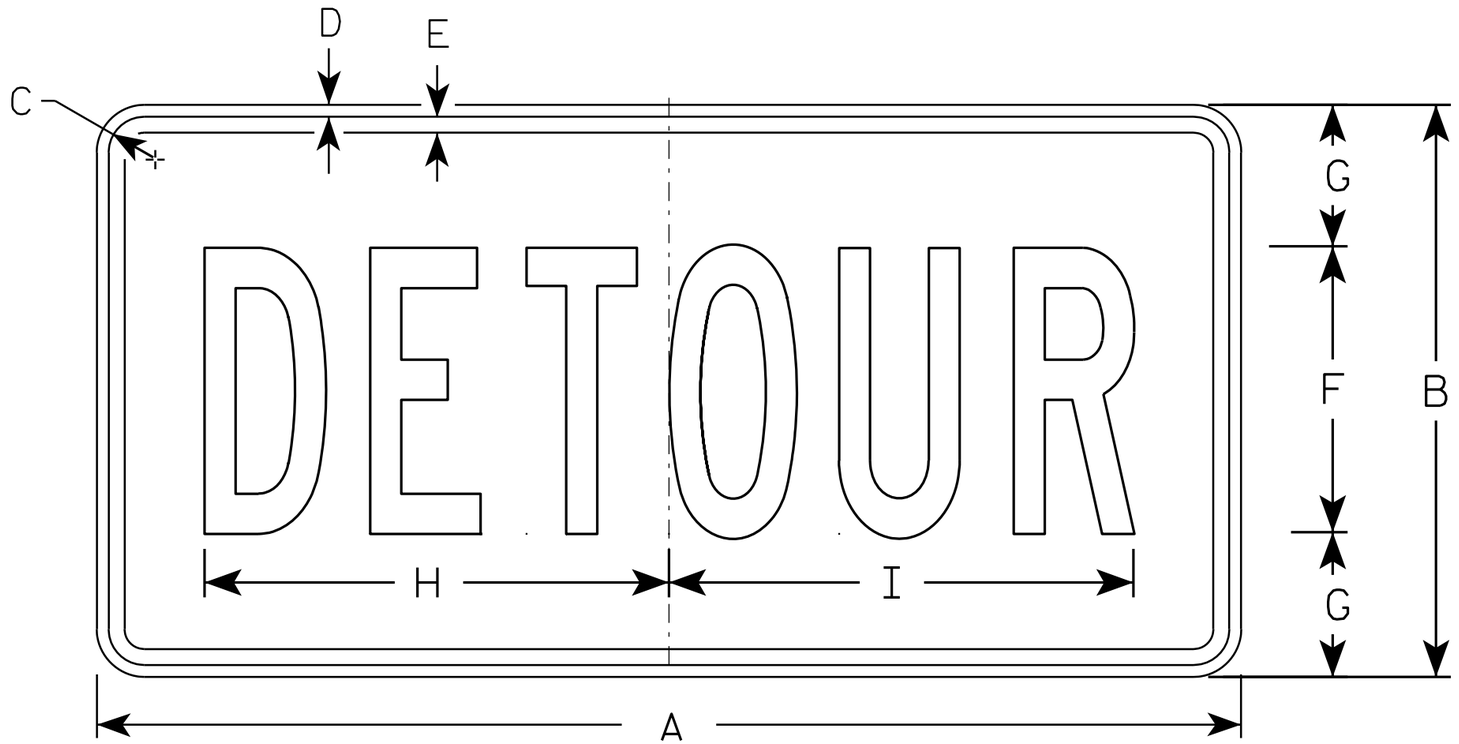
4 X 6 WOOD POST MODIFICATIONS

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: 250	E



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																											

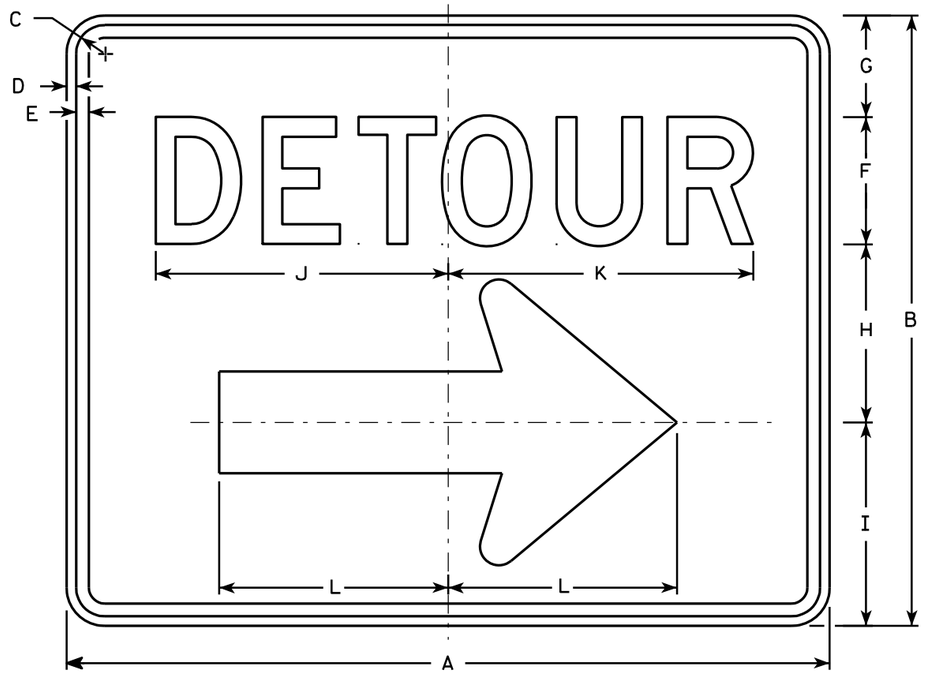
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

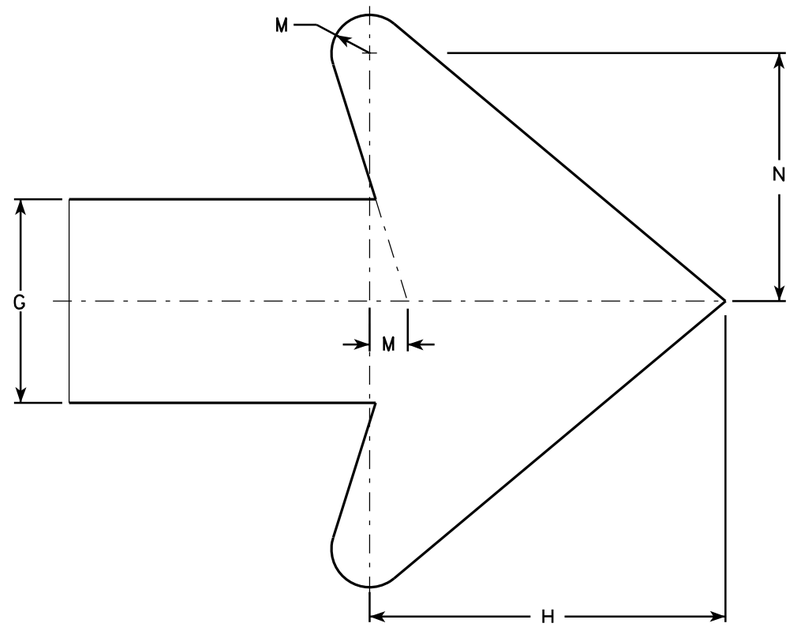
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



M4-9R

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. M4-9L is the same as M4-9R except the arrow 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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

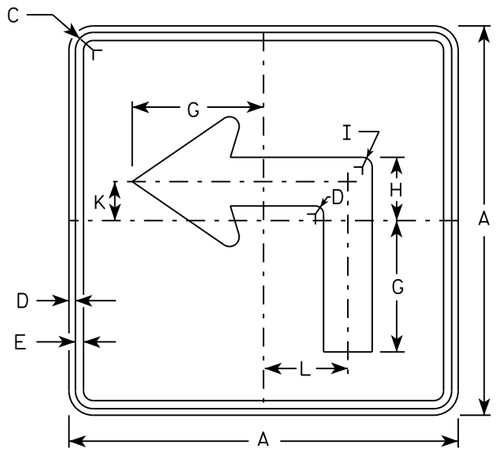
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

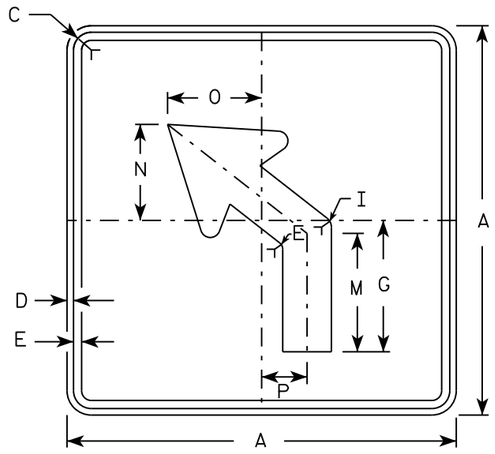
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

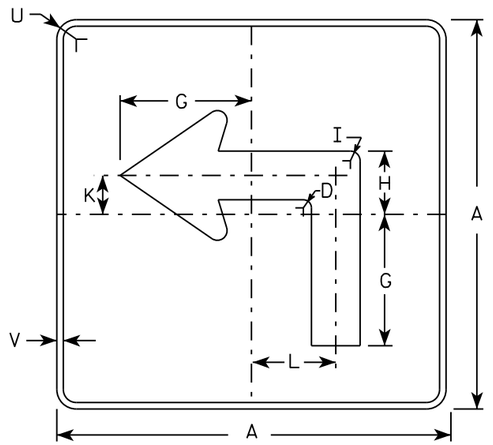
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 252 | E



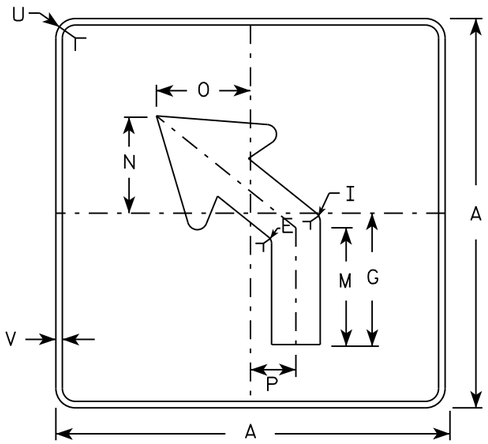
M5-1L
MM5-1L
MO5-1L
MP5-1L



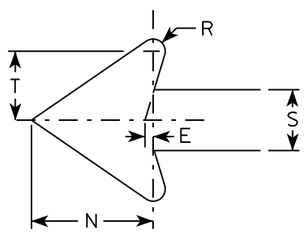
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

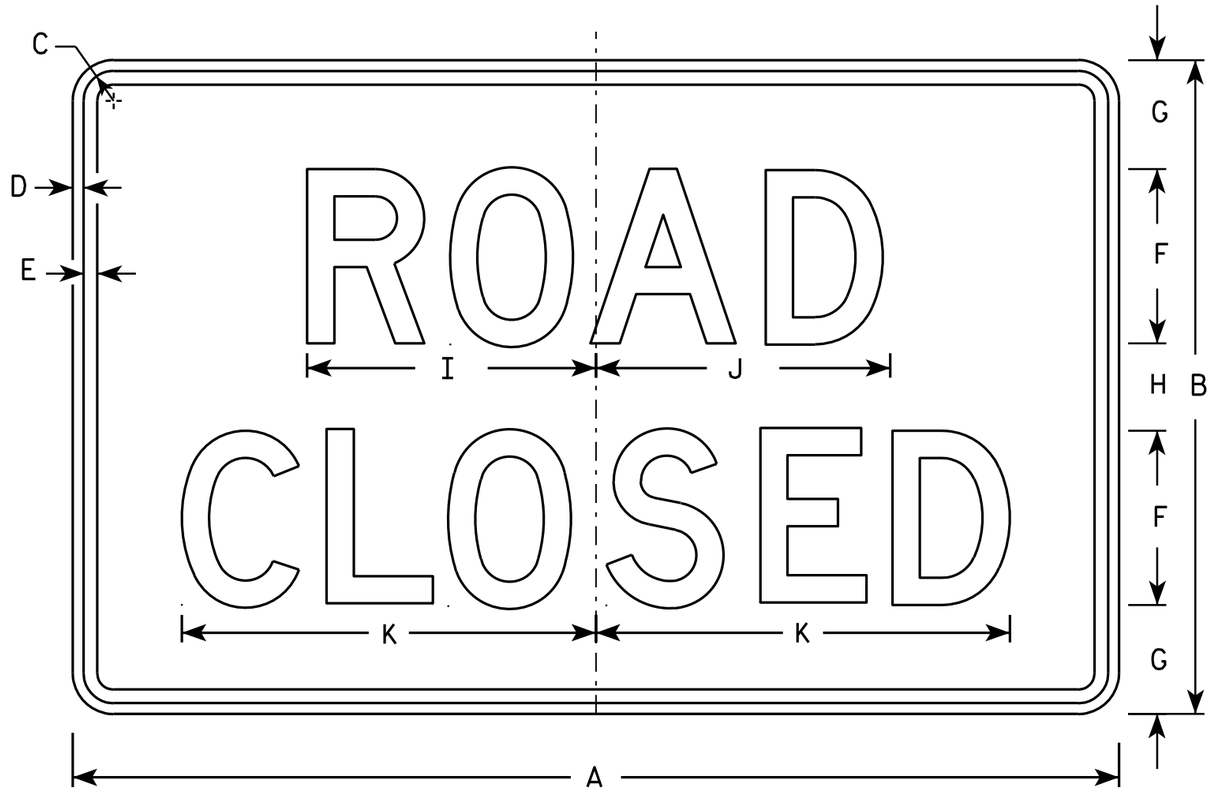
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

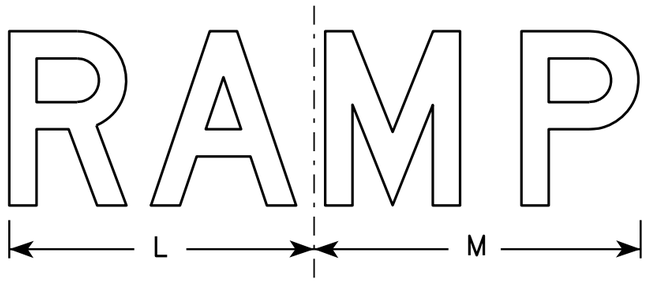
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



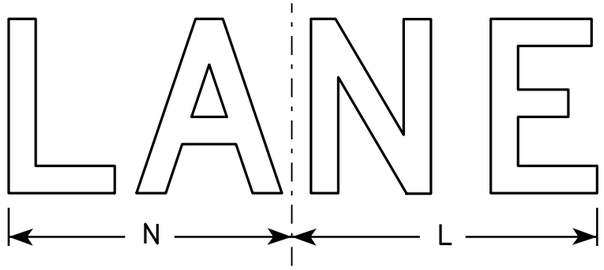
R11-2

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

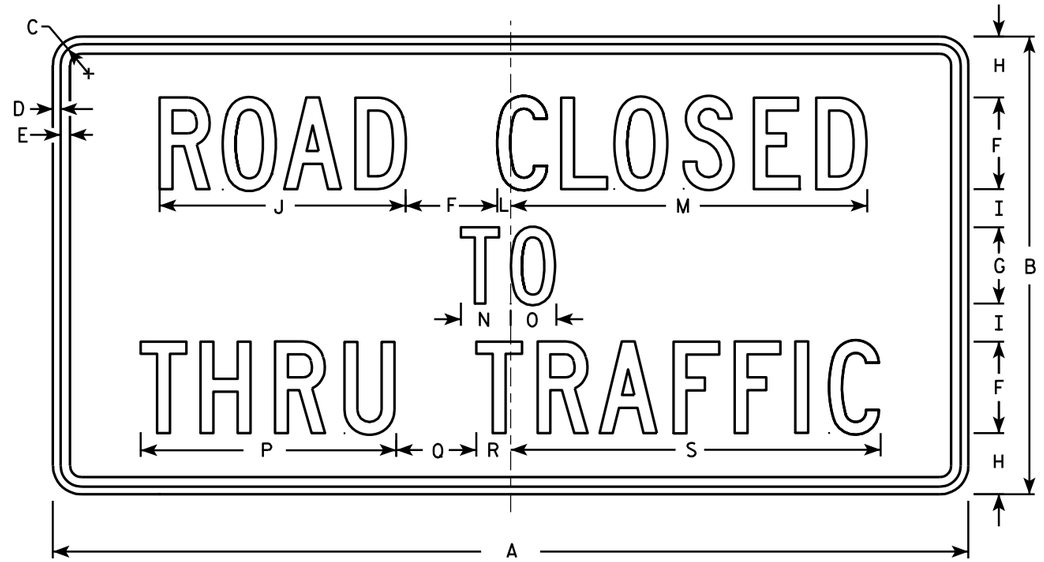
STANDARD SIGN
R11-2

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: 254 | E



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																											

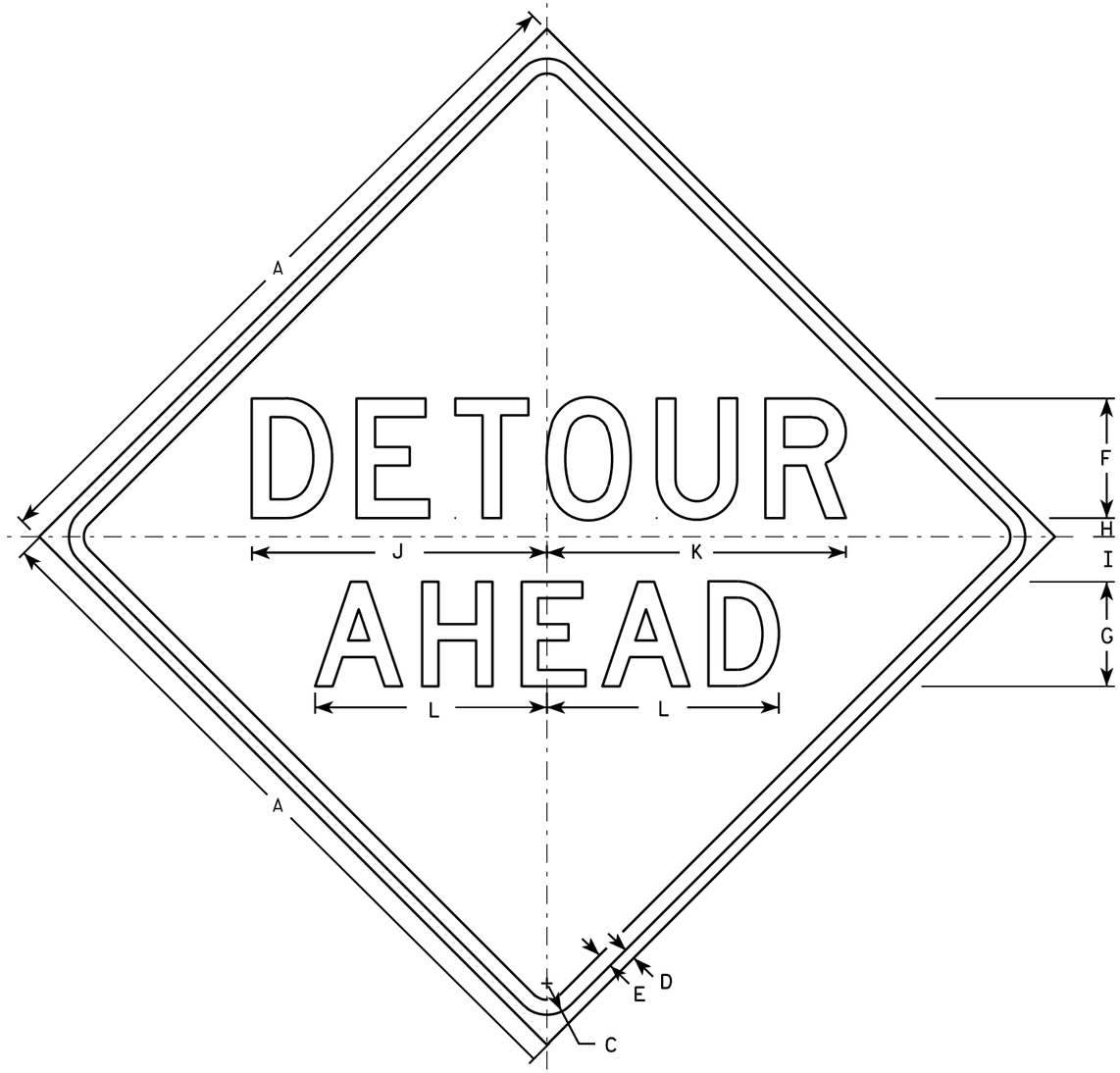
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

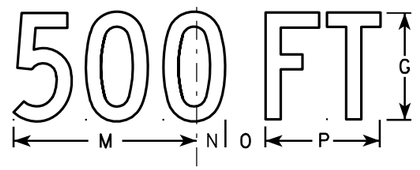
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

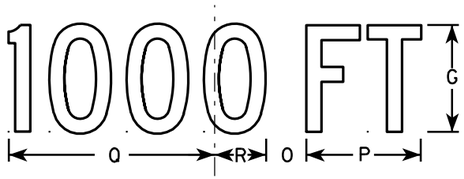
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 255 | E



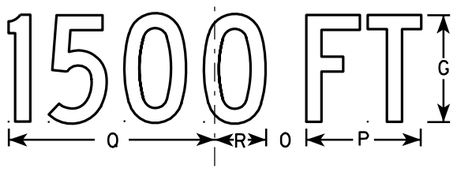
W20-2A



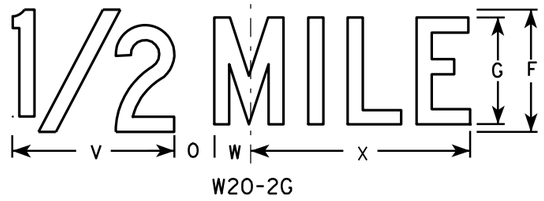
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

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. Line 1 is Series D.
   Line 2 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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

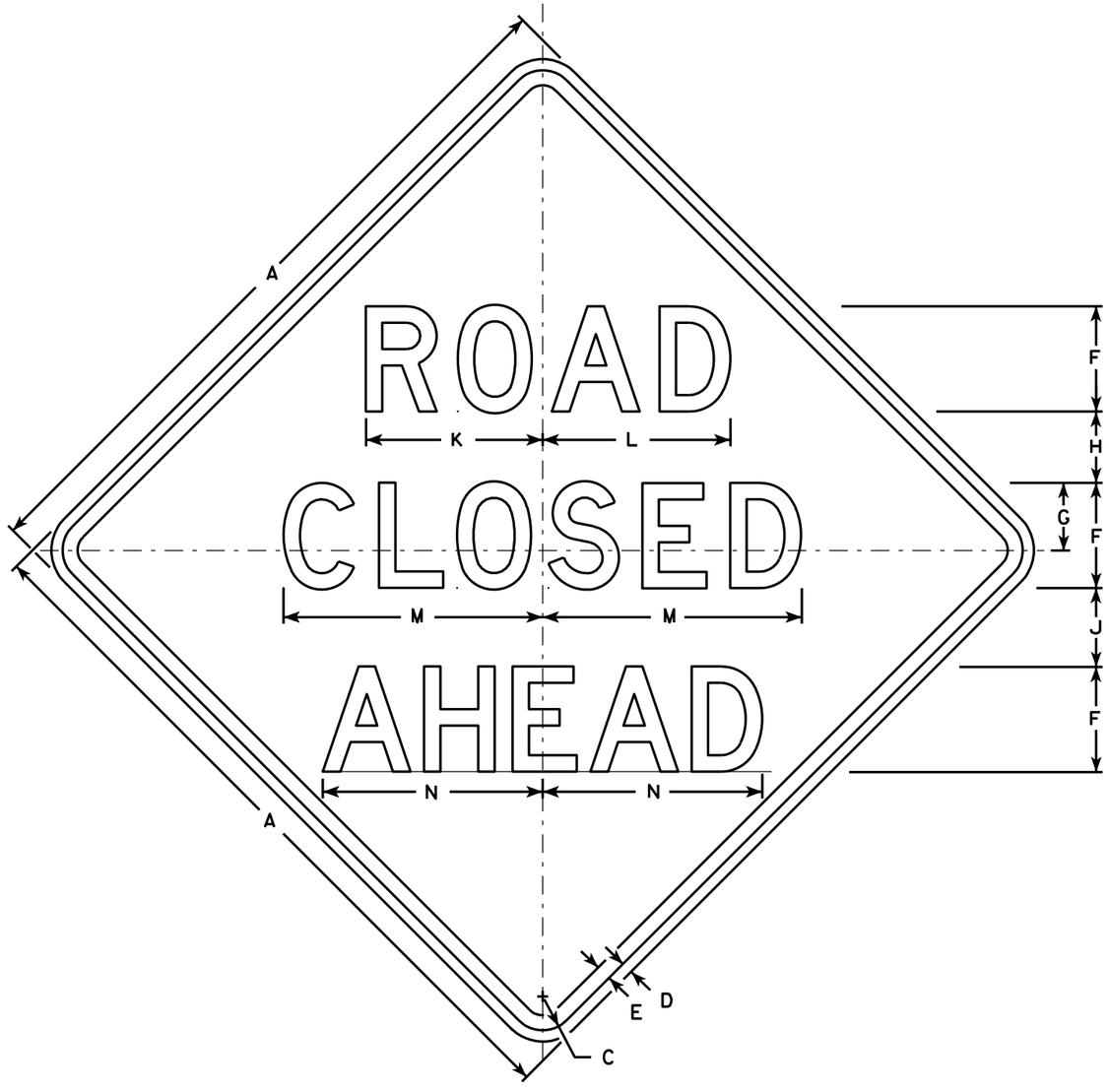
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

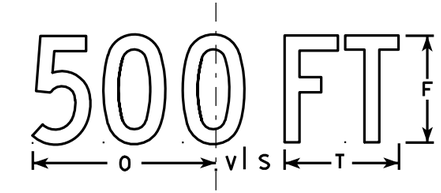
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

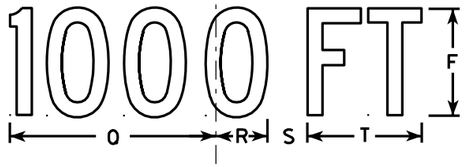
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 256 | E



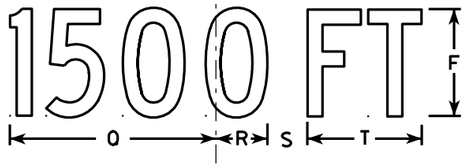
W20-3A



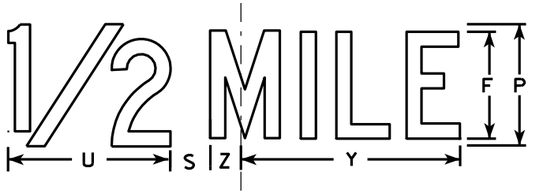
W20-3D



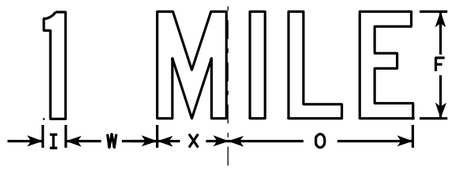
W20-3C



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

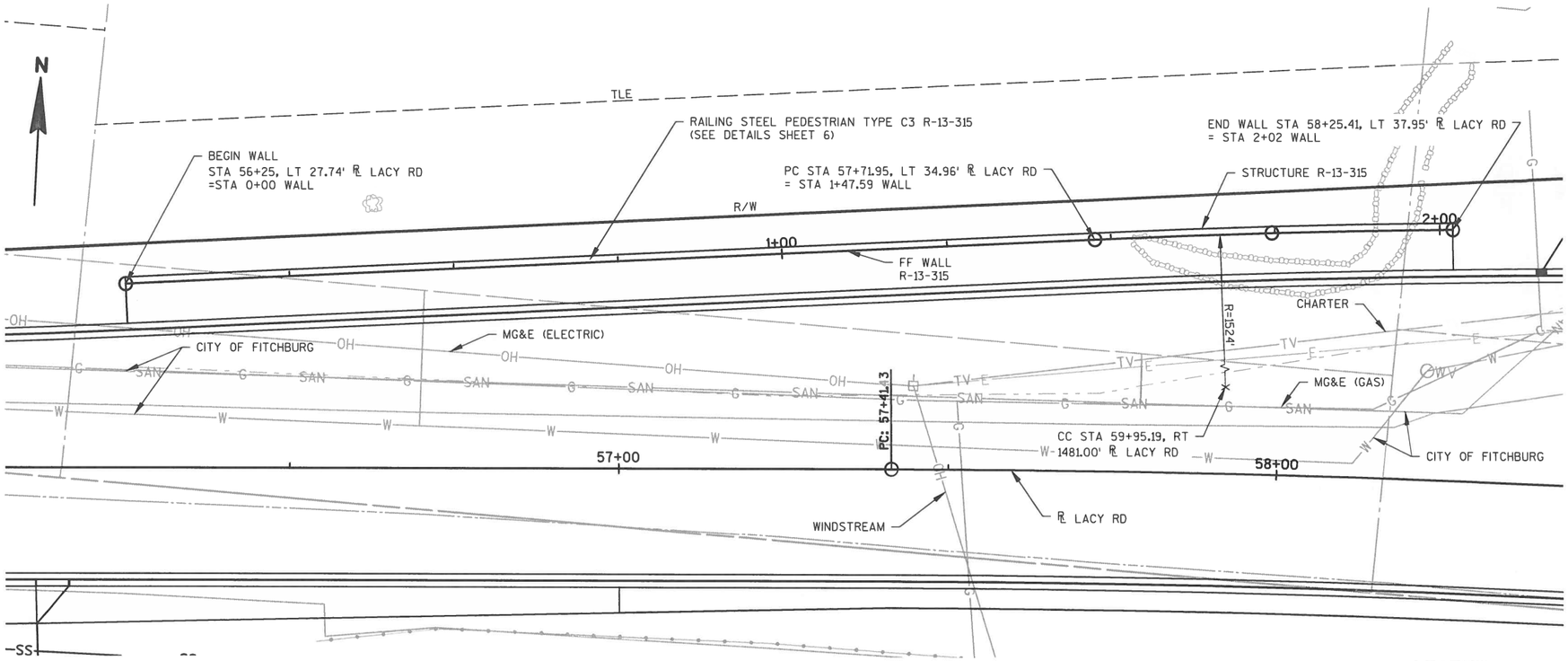
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 257 | E

7

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

STATE PROJECT NUMBER

5849-00-11



PLAN

(WALL MODULAR BLOCK GRAVITY LRFD)

LEGEND

FF - FRONT FACE
BF - BACK FACE

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LRFD, R-13-315".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND IN THE GEOMETRY TABLE ON SHEET 3.

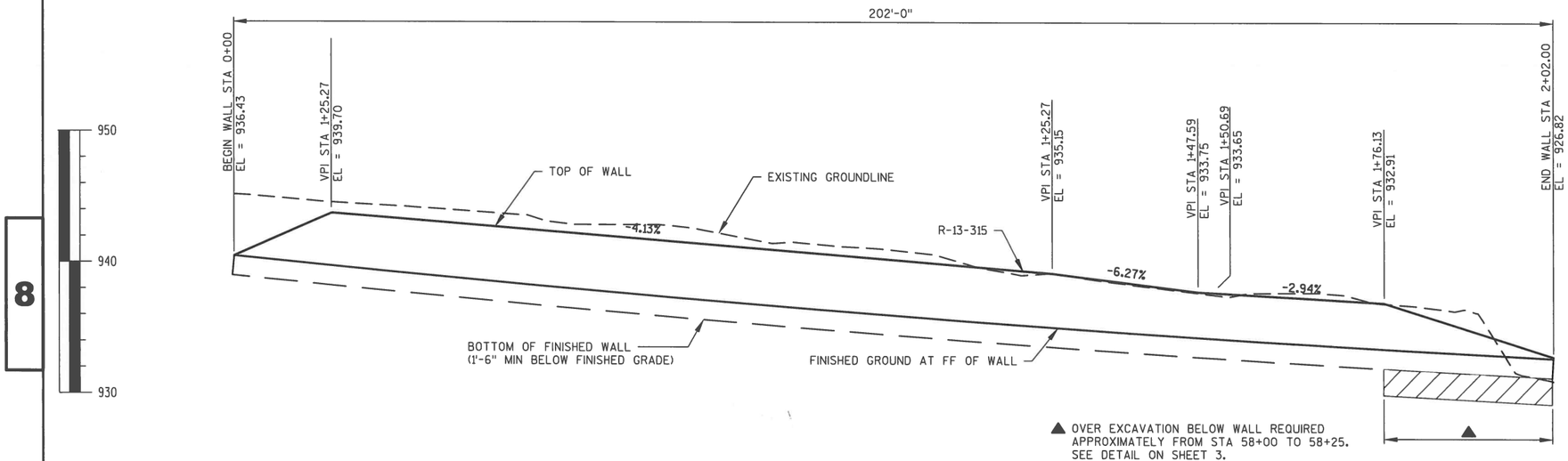
DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON SHEET 2 AND IN THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

SEE SPECIAL PROVISIONS FOR ACCEPTABLE WALL SYSTEMS.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. GENERAL NOTES & DETAILS
4. SUBSURFACE EXPLORATION 1
5. SUBSURFACE EXPLORATION 2
6. RAILING STEEL PEDESTRIAN TYPE C3



▲ OVER EXCAVATION BELOW WALL REQUIRED APPROXIMATELY FROM STA 58+00 TO 58+25. SEE DETAIL ON SHEET 3.

ELEVATION

(LOOKING AT FF OF WALL)

GARY A. RUCHTI E-30936 MADISON WI
PROFESSIONAL ENGINEER
WISCONSIN
12-9-16

NO.	DATE	REVISION	BY

Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
608.273.6380
www.meadhunt.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 12/12/16
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-315

MODULAR BLOCK WALL ALONG LACY ROAD

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
DANE	FITCHBURG

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MJB	GAR	DAY	GAR

GENERAL PLAN & ELEVATION

SHEET 1 OF 6
258

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
TELEPHONE: (608) 266-8489

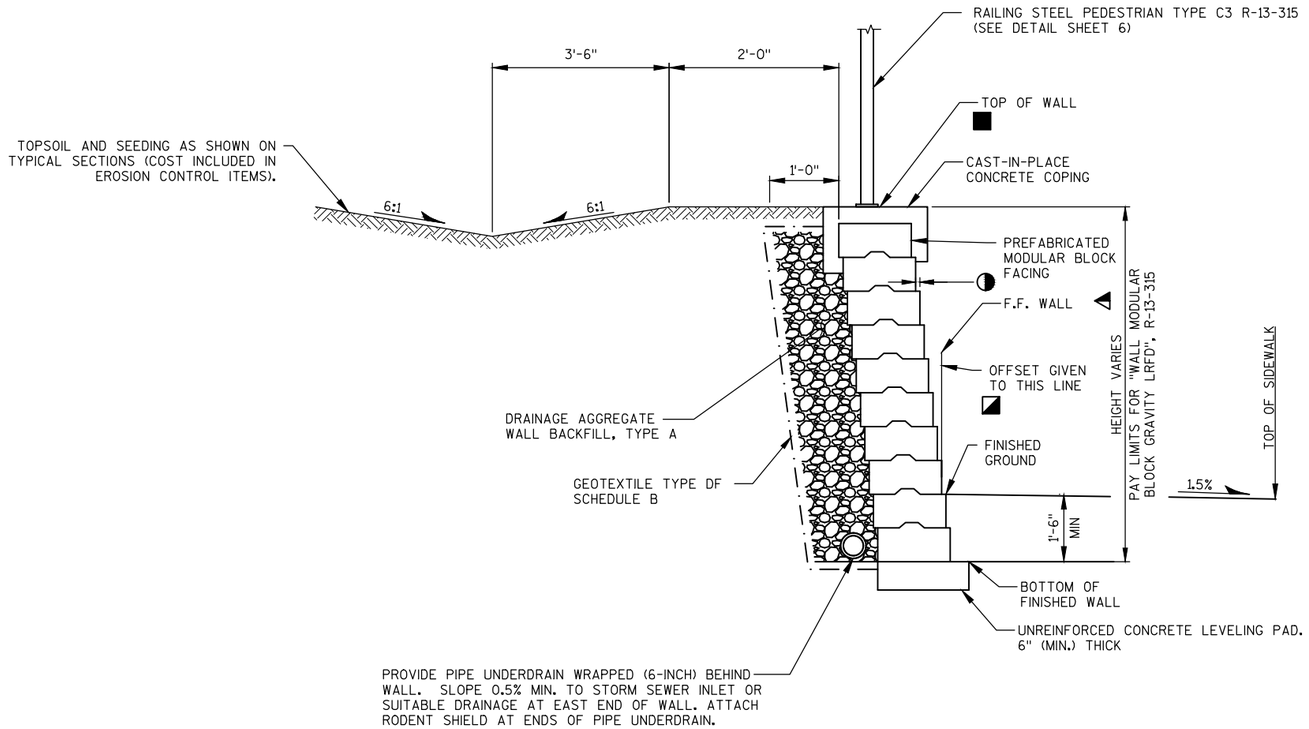
CONSULTANT CONTACT
GARY RUCHTI, P.E.
TELEPHONE: (608) 273-6380

8

8

STATE PROJECT NUMBER

5849-00-11



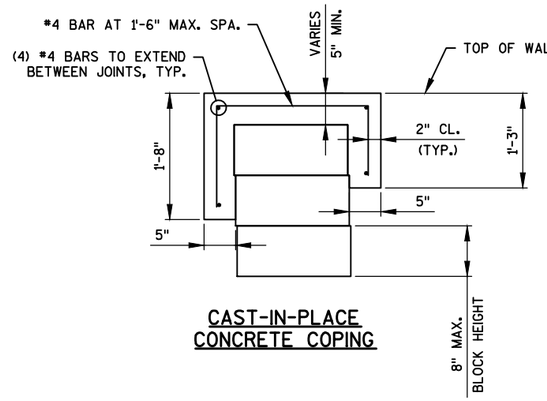
TYPICAL CROSS SECTION OF RETAINING WALL

▲ PAY LIMITS FOR BID ITEM "WALL MODULAR BLOCK GRAVITY LRFD, R-13-315".

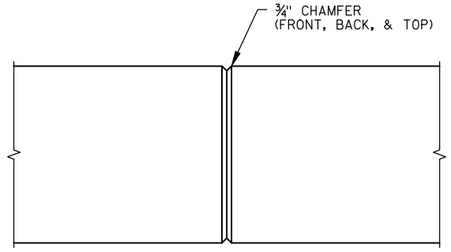
◑ SET BACK PER BLOCK (VARIES BY MANUFACTURER). A VERTICAL OR NEAR VERTICAL OPTION SHOULD BE USED WHERE POSSIBLE.

■ POINT REFERRED TO FOR TOP OF WALL ELEVATION.

◪ POINT REFERRED TO FOR STATION AND OFFSET FOR WALL ALIGNMENT.

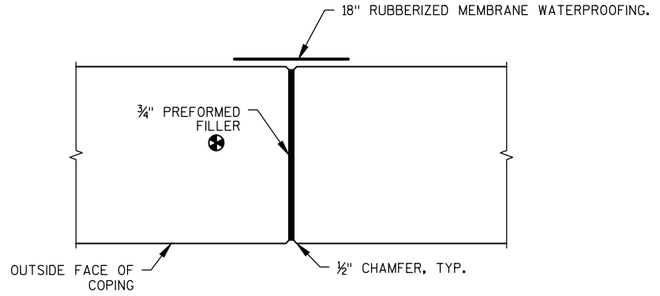


CAST-IN-PLACE CONCRETE COPING



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THROUGH JOINT.
MAX. SPACING OF JOINT = 10'



COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THROUGH JOINT.
MAX. SPACING OF JOINT = 50'

✣ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-315

DRAWN BY DAY | PLANS CK'D. GAR

TYPICAL SECTION

SHEET 259 OF 6

8

8

STATE PROJECT NUMBER

5849-00-11

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
RETAINED SOIL (GRANULAR BACKFILL) **	120	30	0
BORING 1RW (SEE SHEET 4 FOR LOCATION)			
NEW ENGINEERED GRANULAR FILL BELOW WALL AFTER TOPSOIL STRIPPING (BOTTOM OF WALL TO 921.5 FT)	120	30	0
VERY LOOSE CLAYEY SAND (EL 921.5 TO 919.0 FT)	110	26	0
LOOSE TO MEDIUM DENSE SAND, SOME SILT & GRAVEL (EL 919.0 TO 907.0 FT)	115	30	0
BORING 10 (SEE SHEET 5 FOR LOCATION)			
LOOSE SILTY SAND (EL 941.5 TO 937.9 FT)	120	30	0
MEDIUM DENSE TO VERY DENSE SAND (EL 937.9 TO 932.9 FT)	125	32	0

**** DESIGN WALLS FOR THESE VALUES.**

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS	
WALL HEIGHT (FEET)	5.5	5.5
EXPOSED WALL HEIGHT (FEET)	4.0	4.0
STATION	56+75	57+25
CAPACITY TO DEMAND RATIO (CDR)		
SLIDING (CDR>1.0)	1.7	1.7
ECCENTRICITY (CDR>1.0)	1.4	1.4
GLOBAL STABILITY (CDR>1.0)	----	1.48
BEARING RESISTANCE (CDR>1.0)	2.0	2.0

NOTE: WALL EXTERNAL STABILITY EVALUATION BASED ON A BOTTOM OF WALL WIDTH OF 3'-3".

GEOMETRY TABLE

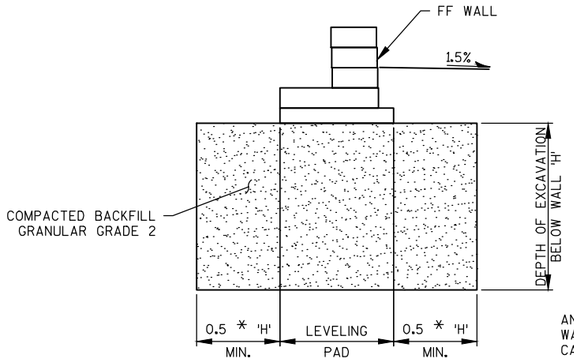
	LACY ROAD STATION	LACY ROAD OFFSET	WALL STATION	TOP OF WALL ELEVATION	FINISHED GRADE ELEVATION
BEGIN WALL	56+25.00	27.74' LT	0+00	936.43	936.43
	56+39.98	28.46' LT	0+15.00	939.70	935.70
	56+50.00	28.93' LT	0+25.03	939.29	935.23
	56+75.00	30.12' LT	0+50.06	938.25	934.09
	57+00.00	31.31' LT	0+75.08	937.22	933.03
	57+25.00	32.49' LT	1+00.11	936.19	932.05
	57+50.00	33.70' LT	1+25.27	935.15	931.15
PC	57+71.95	34.95' LT	1+47.59	933.75	930.42
	57+75.00	35.14' LT	1+50.69	933.65	930.32
	58+00.00	36.61' LT	1+76.13	932.91	929.58
END WALL	58+25.41	37.95' LT	2+02.00	928.82	928.82

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
209.2100	BACKFILL GRANULAR GRADE 2	CY	60
513.8016	RAILING STEEL PEDESTRIAN TYPE C3 R-13-315	LF	202
517.1010.S	CONCRETE STAINING R-13-315	SF	810
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	235
SPV.0165.01	WALL MODULAR BLOCK GRAVITY LRFD, R-13-315	SF	1008

BENCH MARK TABLE ✡

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
7	49+27	111' RT	SW BOLT ON HYDRANT	953.99
9	59+87	62' LT	NE BOLT ON HYDRANT	953.94

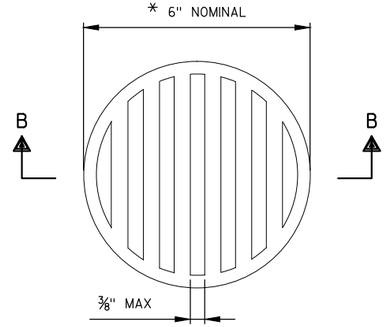


AN ESTIMATED DEPTH OF EXCAVATION BELOW WALL OF 5'-6" WAS USED FOR QUANTITY CALCULATIONS.

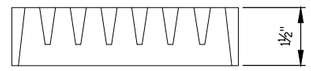
EXCAVATION BELOW WALL DETAIL

STA 58+00 TO STA 58+25

OVER EXCAVATE UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER AND BACKFILL WITH GRANULAR BACKFILL GRADE 2. OVER EXCAVATION IS INCLUDED IN THE BID ITEM "GRANULAR BACKFILL GRADE 2".



* NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.



SECTION B-B

RODENT SHIELD DETAILS

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.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

ALL STATION AND ALL ELEVATIONS ARE IN FEET.

✡ ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1983, NAVD83 (1991).

ALL STATIONS AND DIMENSIONS ALONG THE WALL R/L FOR R-13-315 ARE MEASURED ALONG THE FRONT FACE OF WALL AT THE FINISHED GROUND LINE.

FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL HEIGHTS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

RETAINED BACKFILL GRANULAR GRADE 2, DRAINAGE AGGREGATE BACKFILL TYPE A, AND GEOTEXTILE TYPE DF SCHEDULE B TO BE INCLUDED IN WALL BID ITEM.

THE BLOCKS SHALL HAVE A STRAIGHT SPLIT FACE.

THE COLOR OF THE BLOCK SHALL BE A SANDSTONE OR DARK BROWN, WHICH SHALL BE APPROVED BY THE ENGINEER AND CITY BEFORE ORDERING MATERIALS.

CONCRETE STAINING R-13-315 TO BE APPLIED TO ALL EXPOSED FACES OF THE C.I.P. CONCRETE COPING AND TO A DEPTH OF 1' BELOW FINISHED GROUND FOR THE FRONT FACE AT ENDS. COLOR SHALL BE SELECTED TO MATCH COLOR OF BLOCKS AND SHALL BE APPROVED BY THE ENGINEER BEFORE ORDERING MATERIALS.

STACKED BLOCKS CONNECTED WITH GEOGRIDS MAY BE USED FOR THIS PROJECT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-315

DRAWN BY DAY | PLANS CK'D. GAR

GENERAL NOTES & DETAILS

SHEET 260 6

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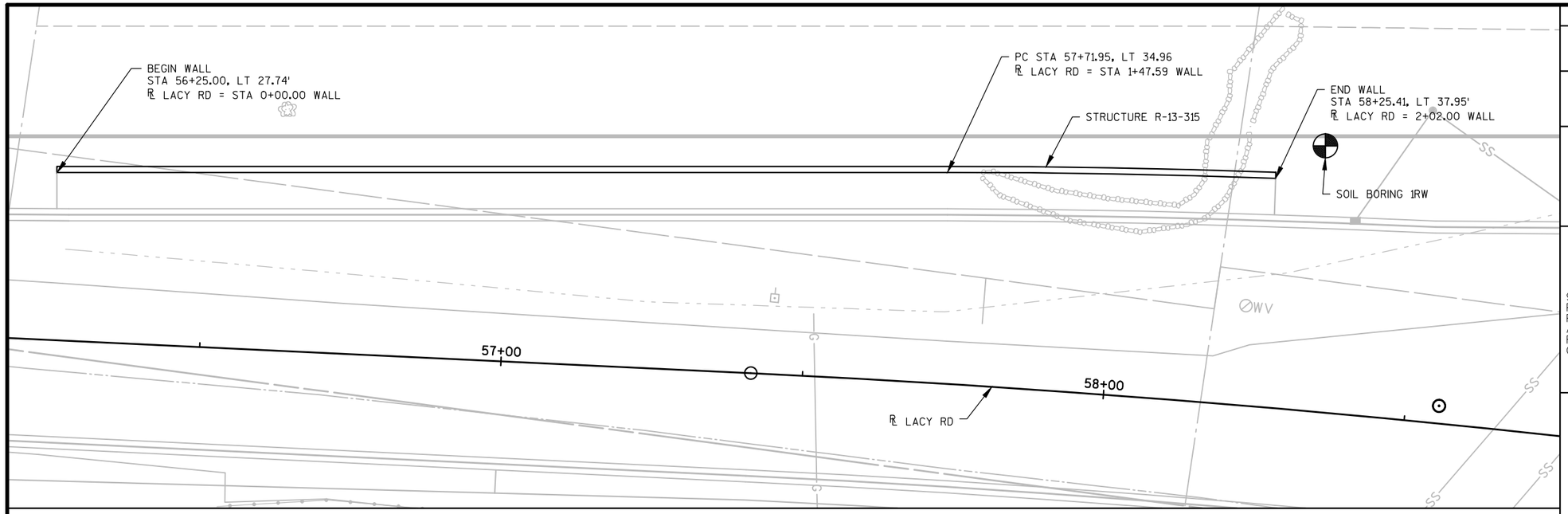
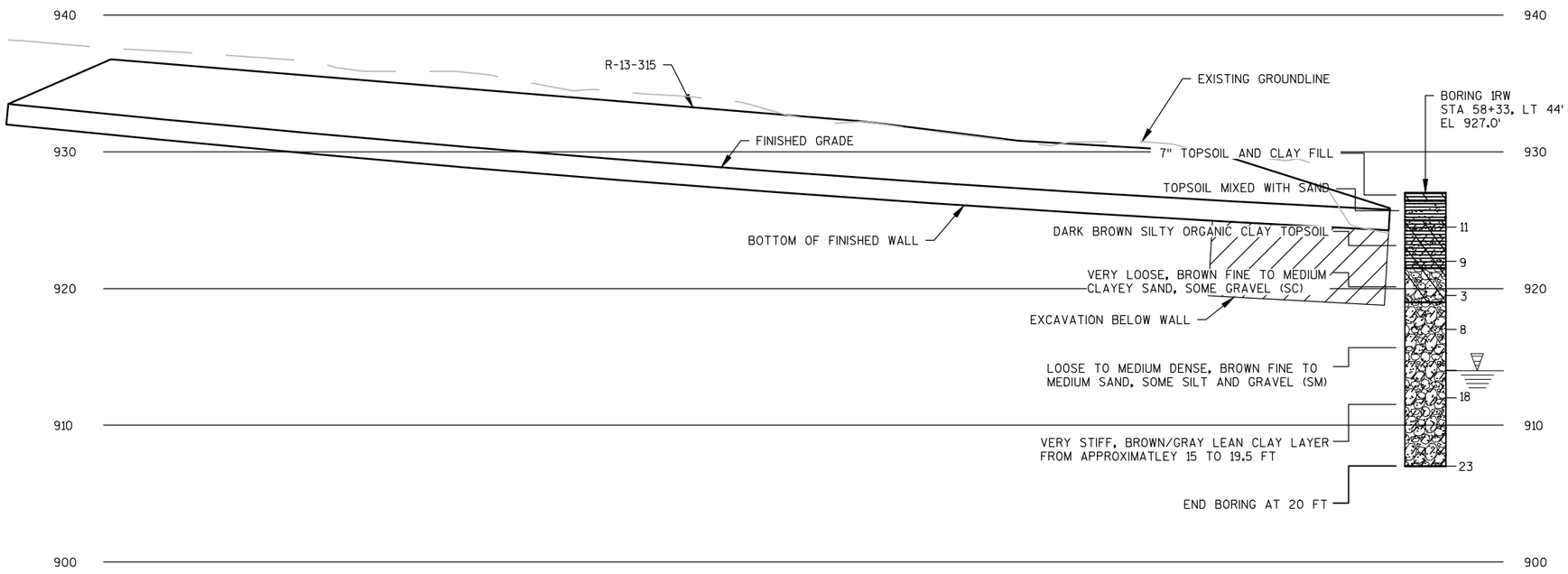


BORINGS BY:
CGC, INC.
2921 PERRY ST.
MADISON, WI
JULY 6, 2016



STATE PROJECT NUMBER

5849-00-11

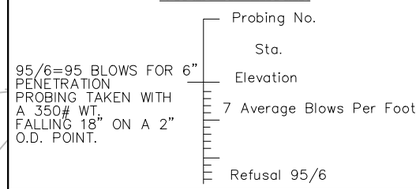
ABBREVIATIONS

F — Fine M — Medium C — Coarse
Ws — Weathered So — Sound

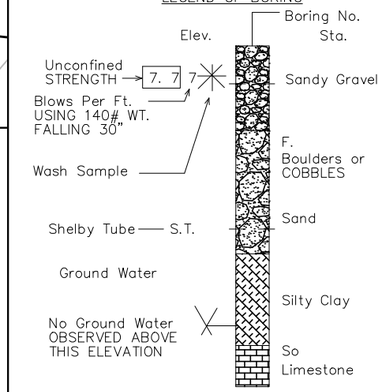
MATERIAL SYMBOLS

Asphalt | Silt | Sand
Concrete | Organic Soil | Air
Gravel | Clay | Water

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-315

DRAWN BY DAY | PLANS CK'D. GAR

SUBSURFACE EXPLORATION 1

SH 261 OF 6

8

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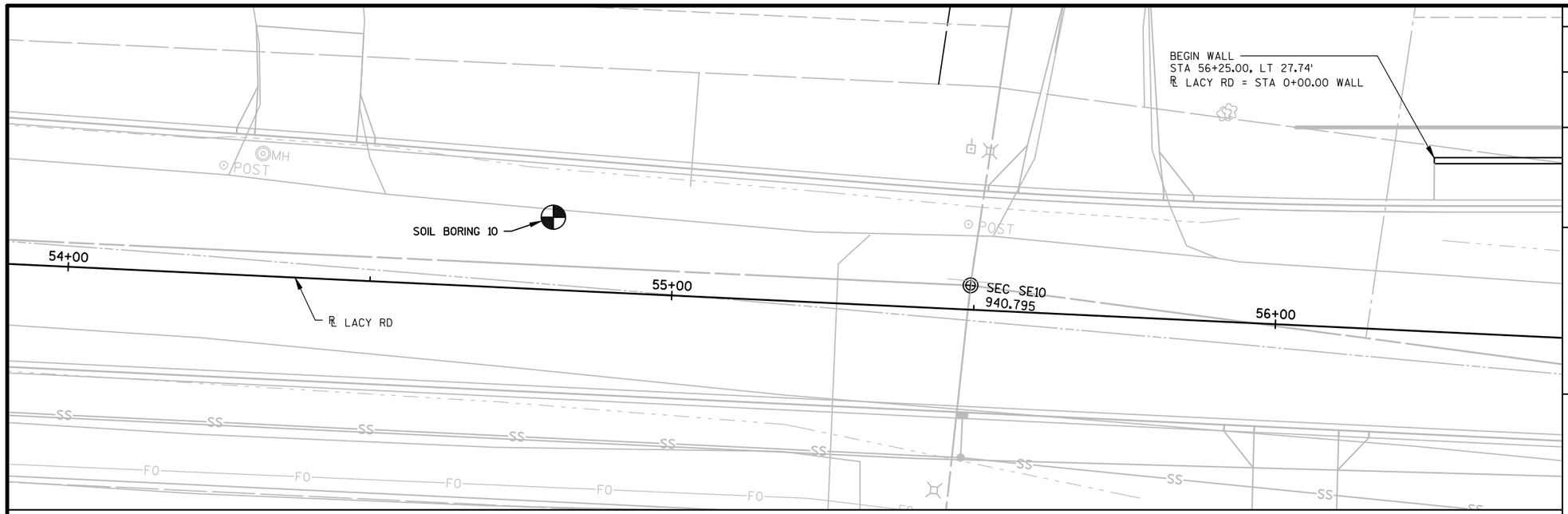
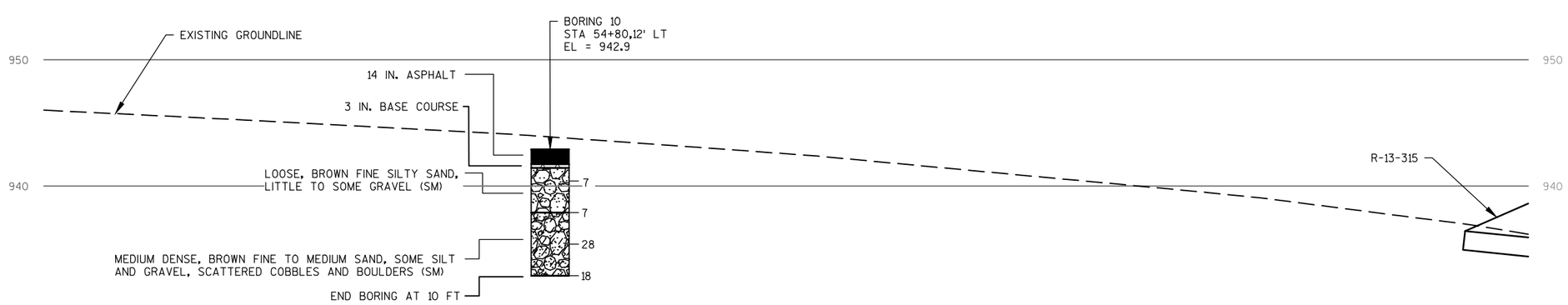


BORING BY:
CGC, INC.
2921 PERRY ST.
MADISON, WI.
AUGUST 20, 2015



STATE PROJECT NUMBER

5849-00-11

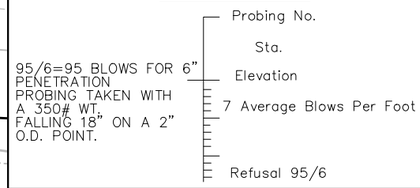
ABBREVIATIONS

F— Fine M—Medium C— Coarse
Ws—Weathered So—Sound

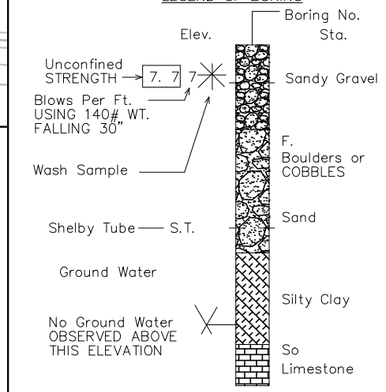
MATERIAL SYMBOLS

Asphalt, Silt, Sand, Concrete, Organic Soil, Air, Gravel, Clay, Water

LEGEND OF PROBING



LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-315

DRAWN BY	DAY	PLANS CK'D.	GAR

SUBSURFACE EXPLORATION 2

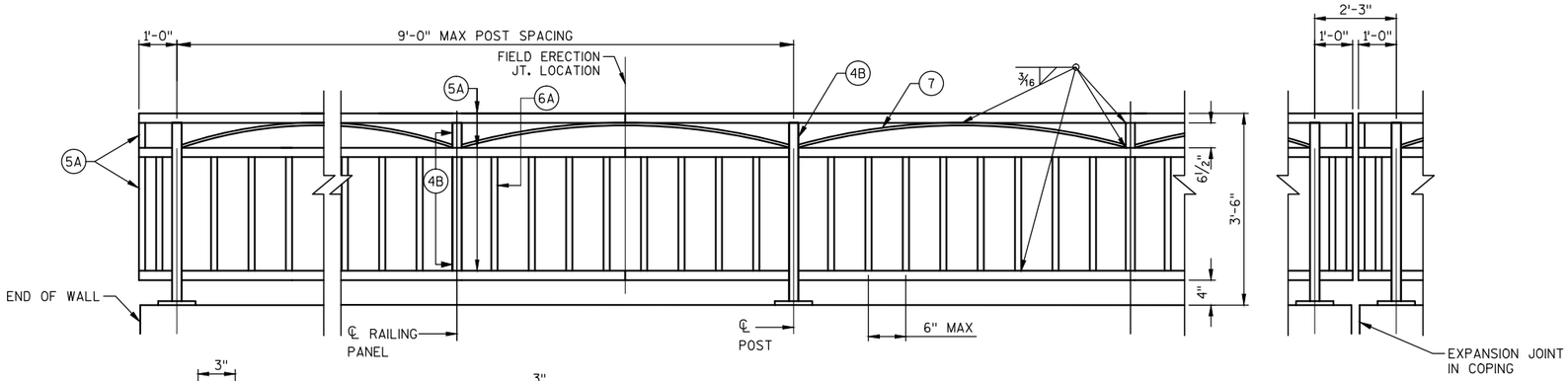
SH 262 OF 6

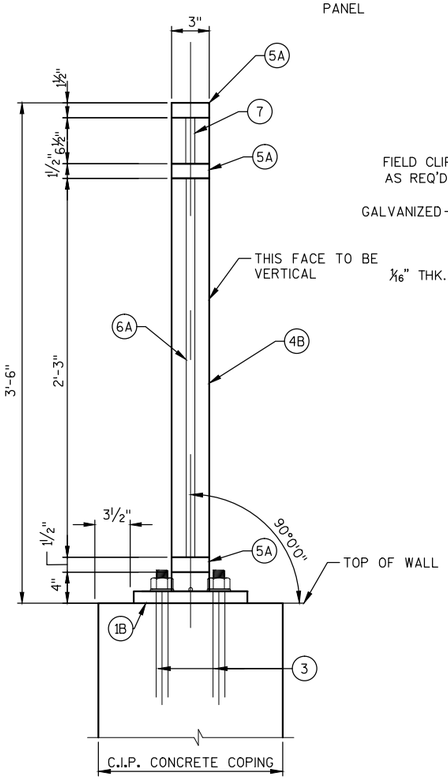
8

FILE NAME : X:±0604100±151061.01±TECH±CAD±58490009±DESIGN±STRUCTURE±080101_GP.DWG PLOT DATE : 12/8/2016 PLOT BY : ---- PLOT SCALE : 1:1

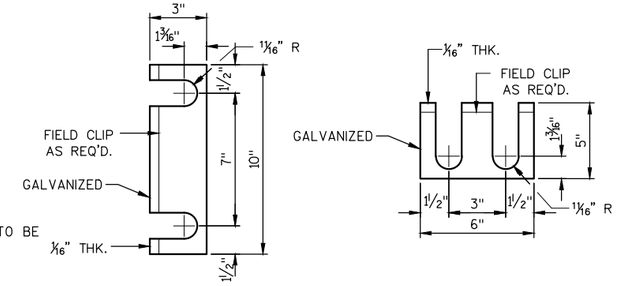
STATE PROJECT NUMBER

5849-00-11

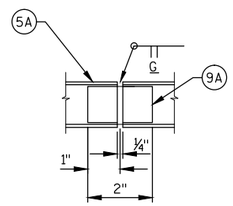




SECTION THRU RAILING

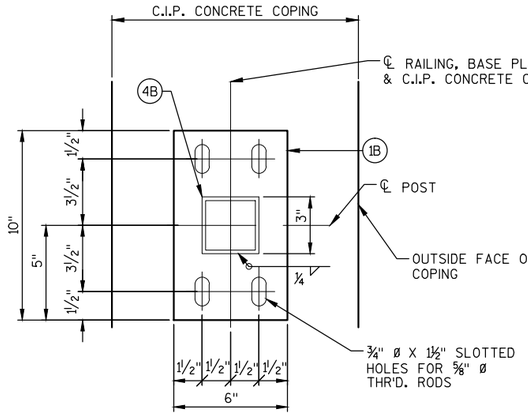


RAIL POST SHIM DETAIL



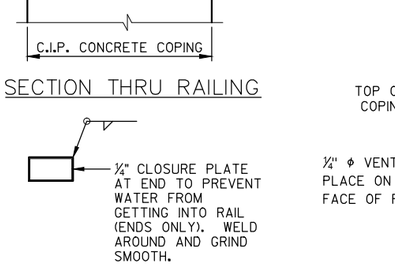
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)

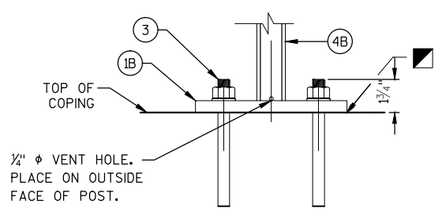


TYPICAL RAIL POST BASE PLATE

FOR 3" X 3" X 3/16" POSTS (4B)

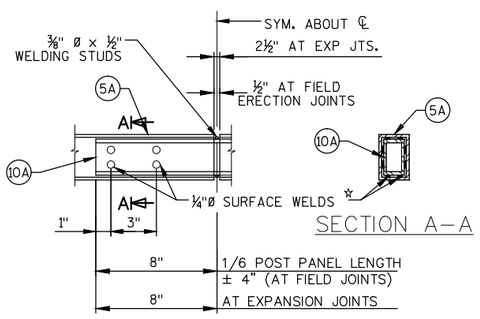


CLOSURE PLUG DETAILS



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



FIELD ERECTION JOINT DETAIL

☆MIN. 5/8" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3 R-13-315", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN, AND PAINTING.

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 CUTS.

ALL PLATES BARS AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF PLATE NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

VENT HOLES SHALL BE DRILLED IN RAIL MEMBERS AND POSTS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE SPECIAL PROVISIONS. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 14090.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

LEGEND

(1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES.

(3) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. CONCRETE ADHESIVE ANCHORS 5/8-INCH. EMBED 7" IN CONCRETE FOR ALL RAIL POSTS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16" POSTS. PLACE VERTICAL. WELD TO NO. 1B & NO. 5A.

(5A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 4B. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION AND EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. SPACE AT 6" MAX. ℄ TO ℄ SPACING. PLACE VERTICAL.

(7) BAR 1" X 1", BEND TO REQUIRED RADIUS. WELD TO NO. 4B & 5A.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" LONG @ FIELD ERECTION JTS.) (1'-4" @ EXPANSION JTS.)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-315

DRAWN BY MJB | PLANS CK'D. GAR

RAILING STEEL PEDESTRIAN TYPE C3

SH 263 OF 6

8

8

EARTHWORK TABULATION - LACY ROAD (BEGINNING OF PROJECT - MICA ROAD) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
11+00.00	77.51	4.92	0	0	0	0	0
11+50.00	85.23	2.05	151	8	151	8	142
11+66.00	95.12	2.84	53	2	204	10	194
12+00.00	78.03	9.23	109	10	313	20	293
12+29.00	75.82	11.75	83	15	396	35	361
12+50.00	57.79	19.68	52	16	448	51	397
13+00.00	46.37	17.2	96	44	544	95	449
13+50.00	43.34	9.06	83	32	627	127	501
13+57.00	41.11	8.17	11	3	638	130	509
13+86.00	27.73	27.55	37	25	675	155	521
14+00.00	22.25	41.22	13	23	688	178	510
14+47.00	22.03	28.92	39	79	727	257	470
14+50.00	21.28	32.89	2	4	729	262	468
15+00.00	10.57	75.7	29	131	759	392	366
15+50.00	10.40	82.6	19	191	778	583	195
15+88.00	18.05	62.66	20	133	798	716	82
16+00.00	17.19	63.84	8	37	806	752	54
16+18.00	21.50	41.07	13	45	819	798	21
16+50.00	28.82	59.15	30	77	849	875	-26
17+00.00	50.47	30.26	73	108	922	983	-61
17+50.00	71.86	12.23	73	108	995	1,090	-95
18+00.00	99.90	10.16	139	49	1,135	1,139	-4
18+17.00	113.11	21.98	67	13	1,202	1,152	50
18+50.00	132.15	9.94	150	25	1,352	1,177	174
19+00.00	181.27	15.12	290	30	1,642	1,207	434
19+50.00	206.78	0	359	18	2,001	1,226	775
19+61.00	209.89	0	85	0	2,086	1,226	860
20+00.00	215.47	14.12	0	0	2,086	1,226	860
20+50.00	202.65	26.4	387	49	2,473	1,274	1,199
21+00.00	185.22	2.54	359	35	2,832	1,309	1,523
21+50.00	200.30	11.69	357	17	3,189	1,326	1,863
21+72.00	226.35	0.19	174	6	3,363	1,333	2,030
22+00.00	196.73	16.21	219	11	3,582	1,344	2,239
22+50.00	82.35	6.66	258	28	3,841	1,371	2,469
22+79.00	75.93	11.91	85	13	3,926	1,384	2,542
23+00.00	73.48	14.42	58	13	3,984	1,398	2,586
23+50.00	67.82	35.64	131	60	4,115	1,458	2,657
24+00.00	77.15	28.44	134	77	4,249	1,535	2,714
24+08.00	79.21	24.92	23	10	4,272	1,545	2,727
24+50.00	99.27	5.21	139	30	4,411	1,576	2,835
24+53.00	98.97	4.07	11	1	4,422	1,576	2,846
25+00.00	92.51	8.05	167	14	4,589	1,590	2,999
25+16.00	88.79	9.24	54	7	4,642	1,597	3,046
25+50.00	86.12	44.16	110	44	4,752	1,640	3,112
26+00.00	90.34	10.64	163	66	4,916	1,706	3,209
26+34.00	125.46	0	136	9	5,052	1,715	3,337
26+50.00	137.22	0.5	78	0	5,130	1,715	3,414
27+00.00	159.18	2.49	274	4	5,404	1,719	3,685
		TOTAL	5404	1,719			

EARTHWORK TABULATION - LACY ROAD (MICA ROAD - FAHEY GLEN) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
27+00.00	159.18	2.49	0	0	0	0	0
27+50.00	182.95	0.00	317	3	317	3	314
27+85.00	171.51	0.00	230	0	547	3	544
28+00.00	162.63	0.00	93	0	639	3	636
28+50.00	158.84	10.92	298	13	937	16	921
28+81.00	115.38	33.35	157	33	1,094	49	1,045
29+00.00	105.48	39.23	78	33	1,172	82	1,090
29+50.00	97.68	46.44	188	103	1,360	186	1,175
29+74.00	105.86	40.94	90	50	1,451	236	1,215
30+00.00	97.29	31.09	98	45	1,549	281	1,267
30+50.00	96.87	9.89	180	49	1,728	330	1,398
31+00.00	117.64	0.92	199	13	1,927	343	1,584
31+17.00	118.37	0.04	74	0	2,001	344	1,657
31+50.00	100.27	1.46	134	1	2,135	345	1,790
32+00.00	86.87	3.08	173	5	2,308	350	1,958
32+35.00	74.46	3.47	105	6	2,413	356	2,057
32+50.00	70.29	3.23	40	2	2,453	358	2,094
33+00.00	54.05	6.53	115	12	2,568	370	2,198
33+50.00	57.06	5.43	103	14	2,671	385	2,286
33+72.00	65.32	5.56	50	6	2,721	390	2,330
34+00.00	59.84	4.05	65	6	2,786	397	2,389
34+25.00	83.73	8.84	66	8	2,852	405	2,448
34+50.00	58.21	9.67	66	11	2,918	416	2,502
35+00.00	57.97	9.61	108	23	3,025	439	2,586
35+50.00	61.06	18.02	110	33	3,136	472	2,663
36+00.00	49.42	17.67	102	43	3,238	515	2,723
36+50.00	53.30	21.73	95	47	3,333	563	2,770
37+00.00	61.95	19.71	107	50	3,440	612	2,827
37+50.00	69.39	23.32	122	52	3,561	664	2,897
38+00.00	71.66	19.43	131	51	3,692	716	2,976
38+50.00	71.65	19.69	133	47	3,825	763	3,062
39+00.00	73.61	17.11	135	44	3,959	807	3,152
39+38.00	76.31	12.93	105	27	4,065	835	3,230
39+50.00	74.58	12.33	34	7	4,098	842	3,256
40+00.00	68.40	15.08	132	33	4,231	875	3,356
		TOTAL	4231	875			

EARTHWORK TABULATION - LACY ROAD (FAHEY GLEN - SUNFLOWER DRIVE) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
43+00.00	38.23	150.30	0	0	0	0	0
43+50.00	45.06	140.25	77	350	77	350	-273
43+91.00	61.06	46.41	81	184	158	534	-376
44+00.00	59.27	49.68	20	21	178	555	-377
44+50.00	63.29	37.33	113	105	291	660	-368
45+00.00	70.12	12.94	124	61	415	720	-305
45+26.00	83.39	6.30	74	12	489	732	-243
45+50.00	90.39	3.79	77	6	566	738	-172
45+60.00	97.76	2.72	35	2	601	739	-139
46+00.00	106.47	1.33	151	4	752	743	9
46+50.00	124.27	2.13	214	4	966	748	218
47+00.00	115.09	2.94	222	6	1,187	754	434
47+50.00	94.50	4.35	194	9	1,381	762	619
48+00.00	78.96	8.01	161	15	1,542	777	765
48+50.00	81.76	13.95	149	26	1,691	804	887
49+00.00	104.85	0.00	173	17	1,864	821	1,043
49+50.00	109.61	6.26	199	8	2,062	828	1,234
50+00.00	80.36	6.57	176	15	2,238	844	1,395
50+42.00	78.08	0.98	123	8	2,361	851	1,510
50+50.00	76.84	0.99	23	0	2,384	852	1,533
51+00.00	56.13	8.11	123	11	2,507	862	1,645
51+50.00	56.63	8.80	104	20	2,612	883	1,729
52+00.00	63.79	8.86	112	21	2,723	904	1,819
52+50.00	66.45	7.76	121	20	2,844	924	1,920
53+00.00	72.22	9.16	128	20	2,972	944	2,028
53+16.00	74.17	1.14	43	4	3,016	948	2,067
53+50.00	71.25	4.49	92	5	3,107	953	2,154
54+00.00	75.98	4.04	136	10	3,244	963	2,280
54+37.00	95.14	1.68	117	5	3,361	968	2,392
54+50.00	89.80	4.93	45	2	3,405	970	2,435
55+00.00	95.08	2.11	171	8	3,576	979	2,598
55+50.00	130.99	1.18	209	4	3,786	983	2,803
55+71.00	168.57	1.55	116	1	3,902	984	2,918
56+00.00	172.82	0.15	183	1	4,086	985	3,100
56+05.00	176.73	0.00	32	0	4,118	985	3,133
56+50.00	151.51	3.09	274	3	4,392	989	3,403
57+00.00	147.72	10.54	277	16	4,669	1,005	3,663
57+50.00	102.14	5.14	231	19	4,900	1,024	3,876
58+00.00	66.92	0.42	157	7	5,056	1,031	4,026
58+50.00	42.42	33.40	101	41	5,158	1,072	4,086
59+00.00	62.36	0.00	97	40	5,255	1,112	4,143
59+50.00	63.20	0.00	116	0	5,371	1,112	4,259
60+00.00	73.26	1.27	126	2	5,497	1,113	4,384
		TOTAL	5497	1,113			

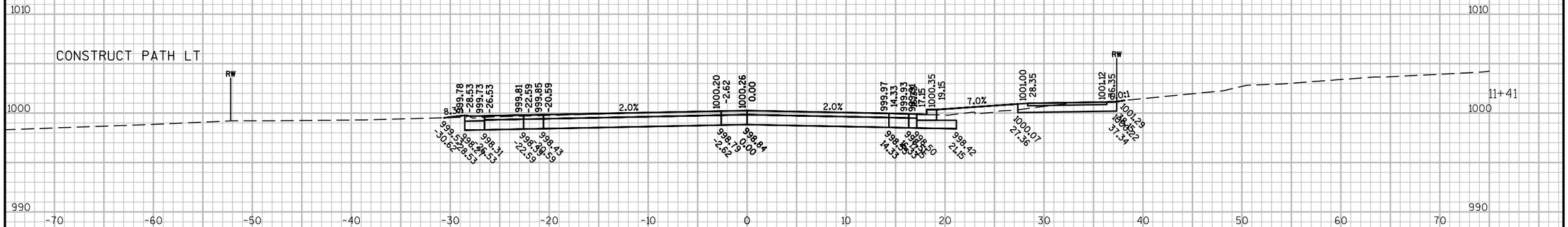
EARTHWORK TABULATION - LACY ROAD (SUNFLOWER DRIVE - MCGAW ROAD) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
60+00.00	73.26	1.27	0	0	0	0	0
60+50.00	127.21	1.20	186	3	186	3	183
60+63.00	152.59	0.00	67	0	253	3	250
61+00.00	180.28	9.58	228	9	481	12	469
61+50.00	215.80	0.00	367	12	848	23	824
61+72.00	226.60	0.00	180	0	1,028	23	1,005
62+00.00	222.34	3.52	233	2	1,261	26	1,235
62+50.00	227.05	1.19	416	6	1,677	31	1,645
63+00.00	182.58	0.85	379	2	2,056	34	2,022
63+50.00	152.00	0.32	310	1	2,366	35	2,331
64+00.00	126.64	8.91	258	11	2,624	46	2,578
64+50.00	118.16	13.95	227	28	2,851	74	2,777
65+00.00	44.05	19.55	150	40	3,001	114	2,887
65+50.00	88.53	22.72	123	51	3,124	165	2,958
66+00.00	84.20	22.99	160	55	3,284	220	3,063
66+50.00	56.99	25.42	131	58	3,414	278	3,136
67+00.00	57.74	34.50	106	72	3,521	351	3,170
		TOTAL	3521	351			

EARTHWORK TABULATION - LACY ROAD (MCGAW ROAD - END OF PROJECT) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
67+00.00	57.68	34.50	0	0	0	0	0
67+50.00	66.84	32.21	115	80	115	80	35
68+00.00	60.26	46.59	118	95	233	175	58
68+50.00	61.08	18.07	112	78	345	253	92
68+70.00	80.62	10.82	52	14	398	267	131
69+00.00	68.34	14.68	83	18	481	285	195
69+30.00	76.58	10.97	81	19	561	304	257
69+50.00	65.67	13.84	53	12	614	316	298
70+00.00	56.71	32.18	113	55	727	371	356
70+50.00	35.84	32.16	86	77	813	449	364
71+00.00	52.25	30.39	82	75	894	524	370
71+50.00	85.26	0.74	127	37	1,022	561	460
72+00.00	108.95	0.00	180	1	1,201	562	639
72+50.00	126.76	0.00	218	0	1,420	562	857
73+00.00	106.74	0.86	216	1	1,636	563	1,073
73+50.00	98.53	0.92	190	2	1,826	565	1,261
74+00.00	94.79	0.02	179	1	2,005	567	1,438
74+18.00	98.89	0.02	65	0	2,070	567	1,503
74+50.00	72.50	5.91	102	5	2,171	571	1,600
75+00.00	59.43	10.34	122	20	2,293	591	1,703
75+50.00	59.10	10.48	110	25	2,403	616	1,787
76+00.00	89.61	6.30	138	20	2,541	636	1,905
76+50.00	92.31	5.93	168	15	2,709	651	2,058
77+00.00	89.92	6.28	169	15	2,878	665	2,213
77+50.00	67.98	18.98	146	30	3,024	696	2,328
78+00.00	72.79	11.39	130	37	3,154	732	2,422
78+50.00	83.04	6.69	144	22	3,299	754	2,545
79+00.00	99.73	0.00	169	8	3,468	762	2,706
79+50.00	80.39	0.81	167	1	3,635	763	2,872
80+00.00	19.14	2.59	92	4	3,727	767	2,960
80+25.00	15.41	2.26	16	3	3,743	770	2,973
		TOTAL	3743	770			

CONSTRUCT PATH LT



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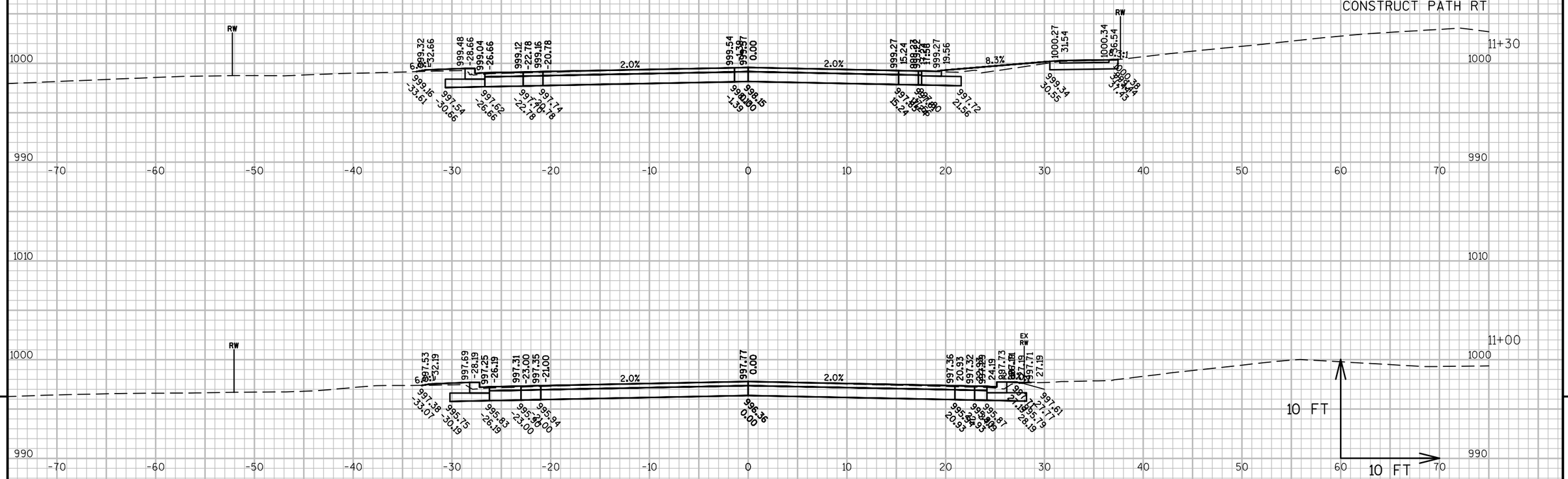

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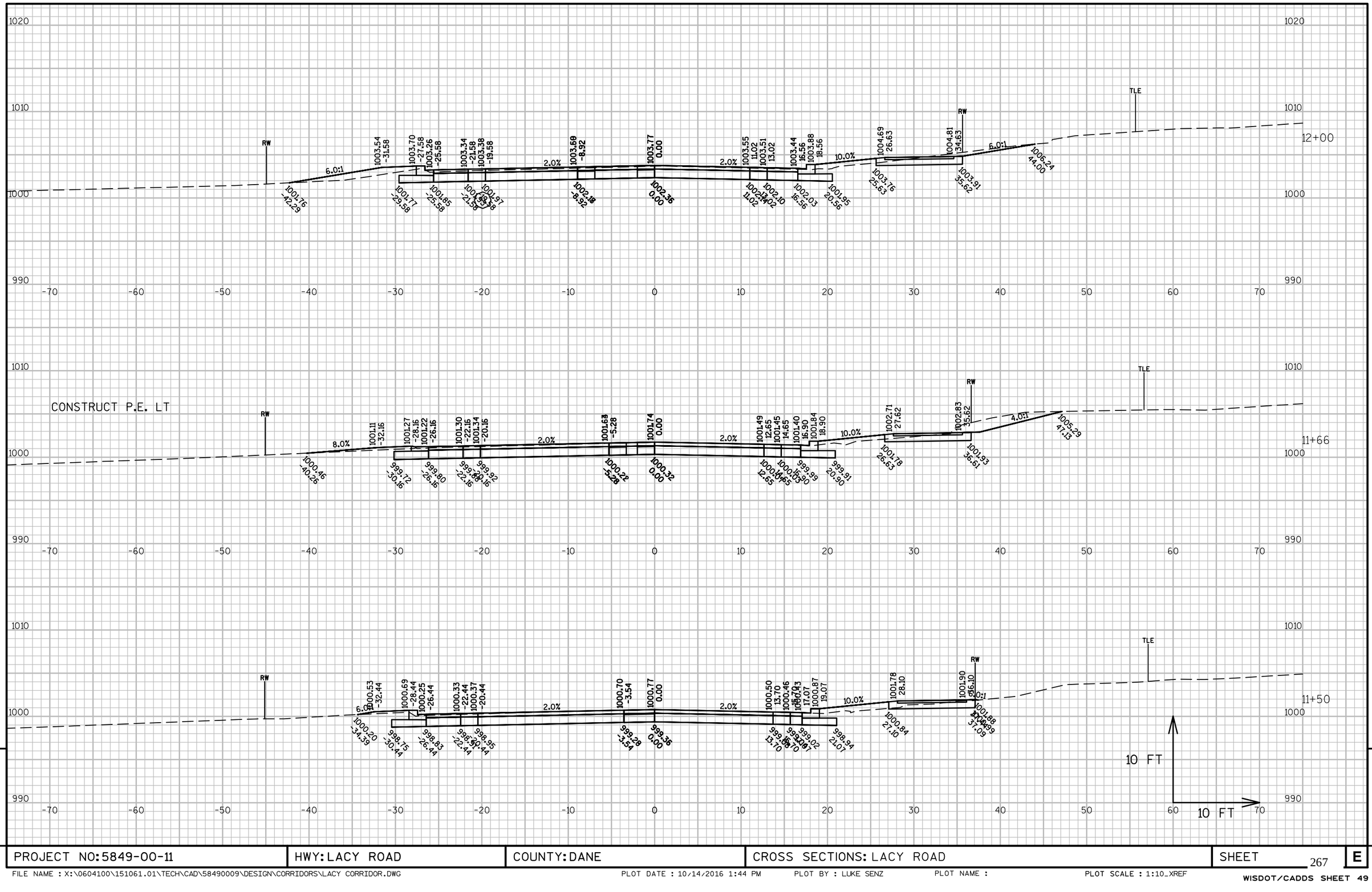
WISDOT/CADDS SHEET 49



CONSTRUCT P.E. LT

PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 267	E

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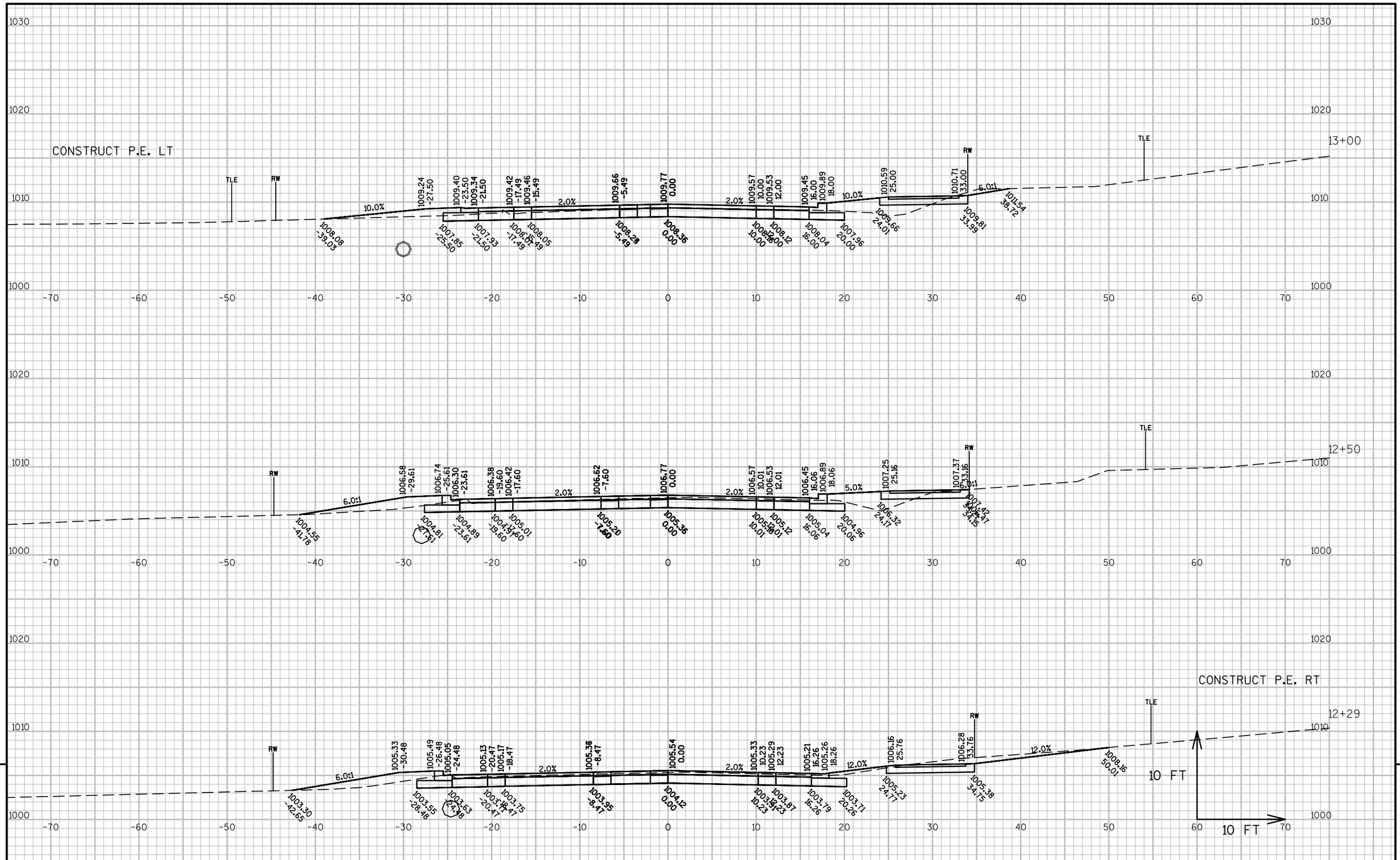

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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 268	E

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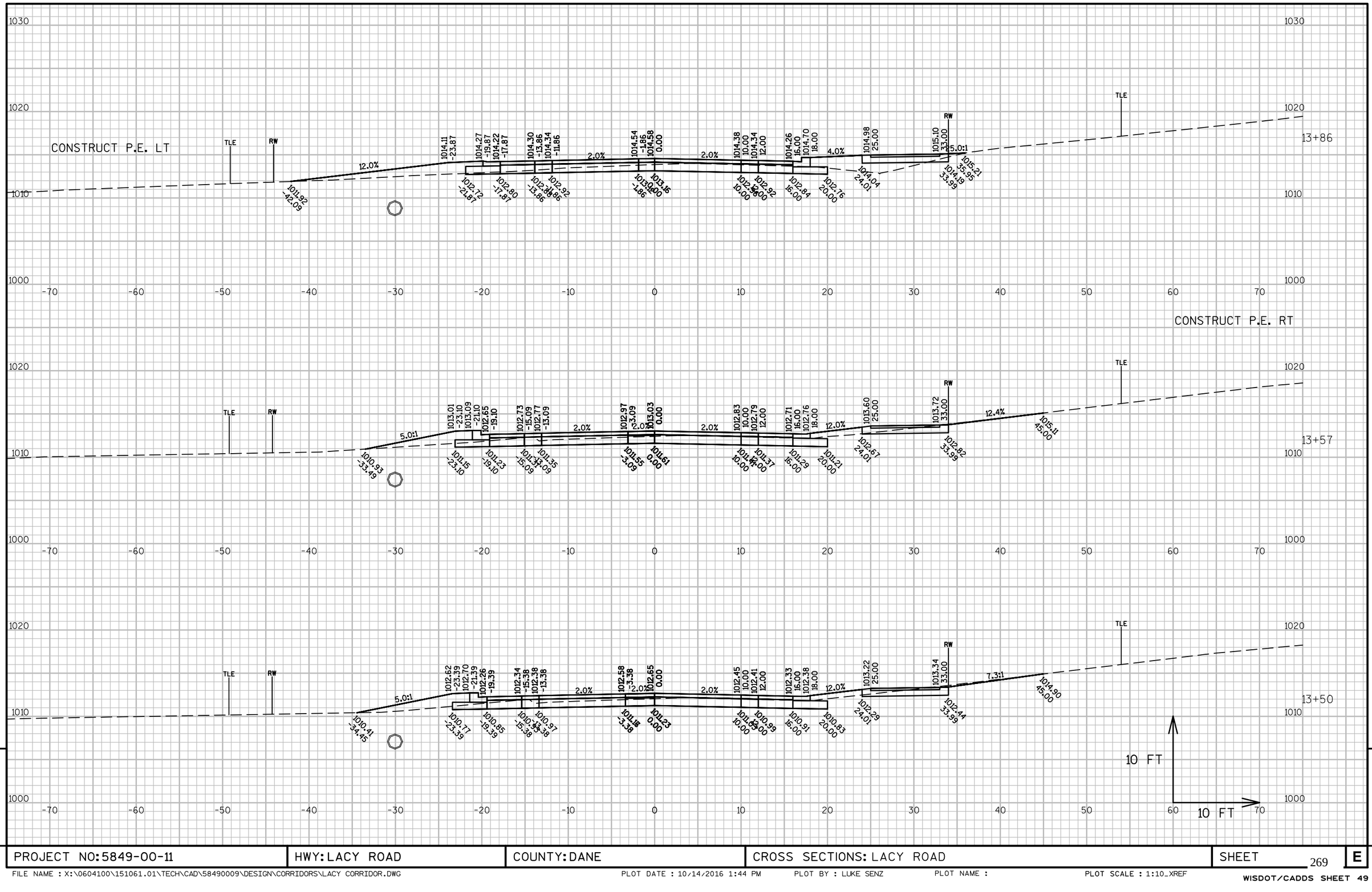
WISDOT/CADDS SHEET 49



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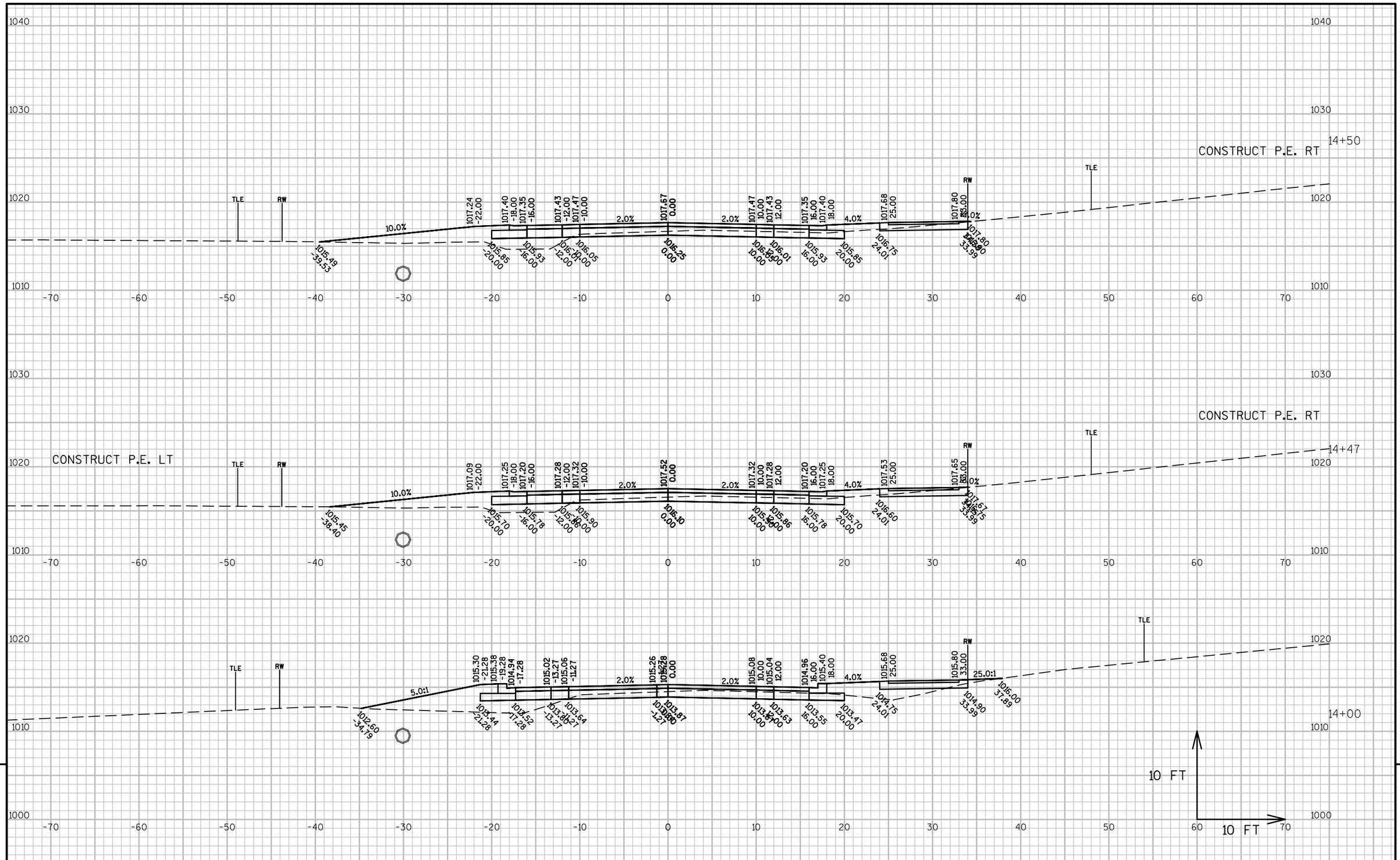

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WISDOT/CADDS SHEET 49

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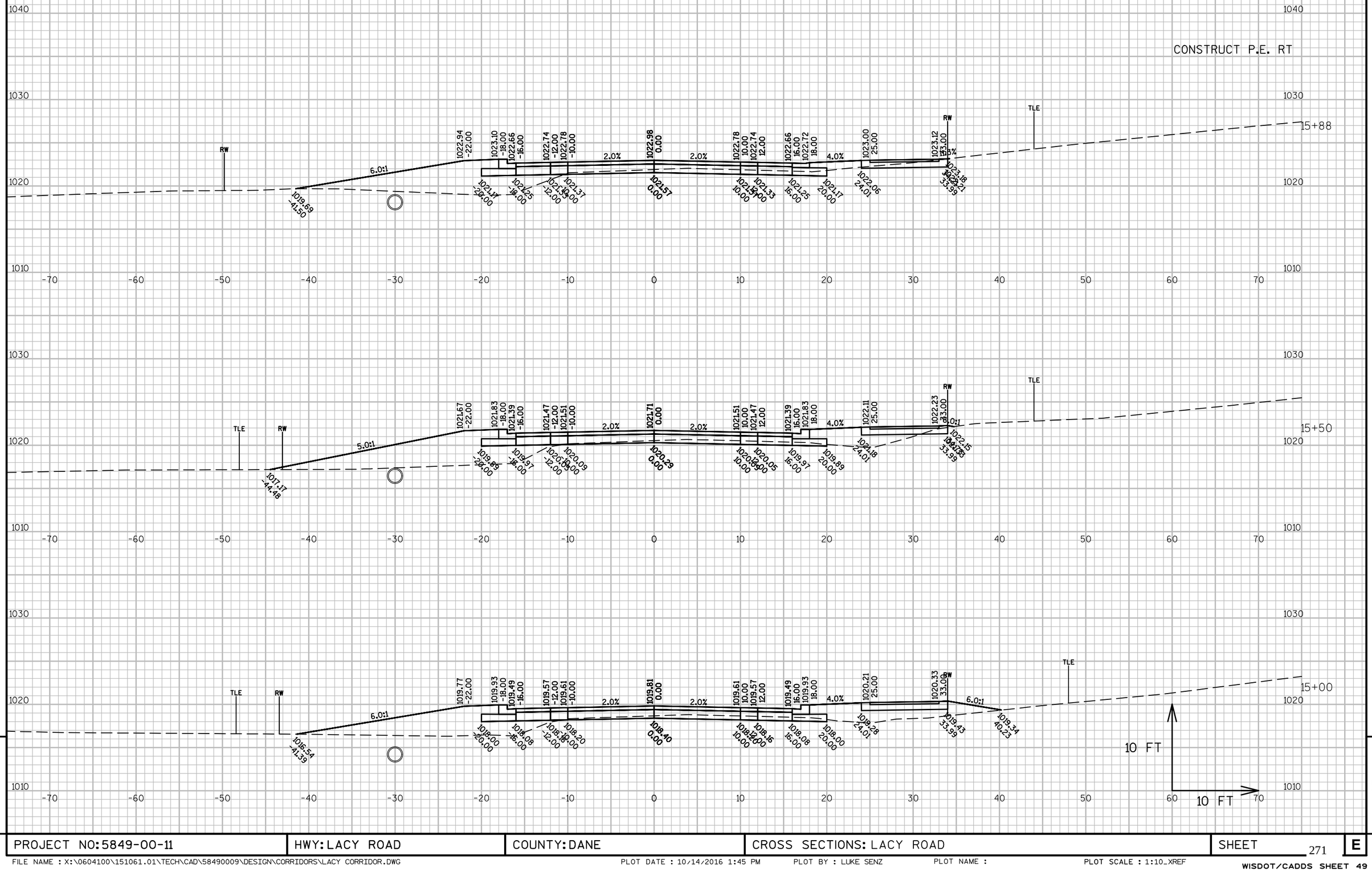
CONSTRUCT P.E. RT



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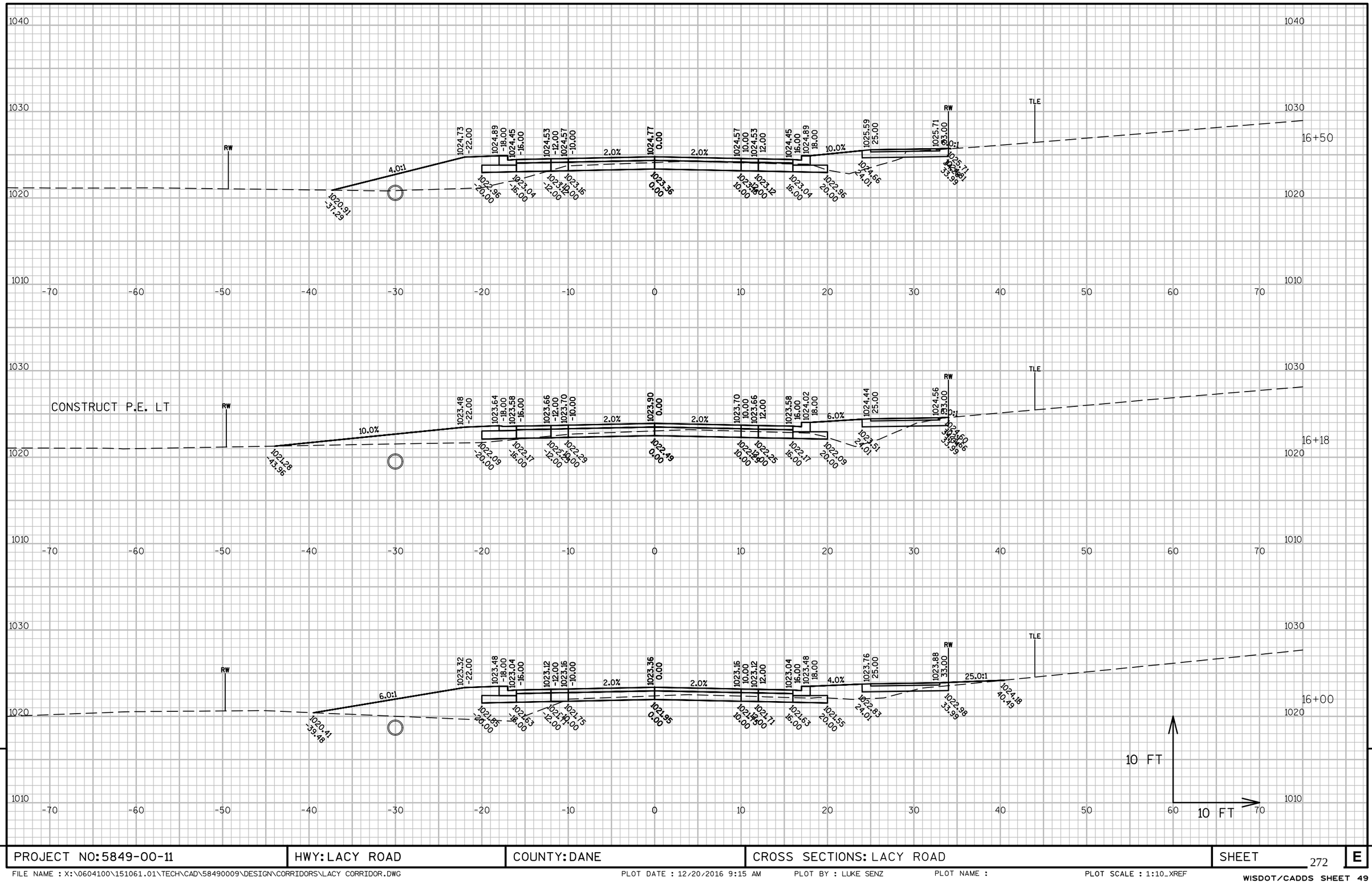

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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 272	E

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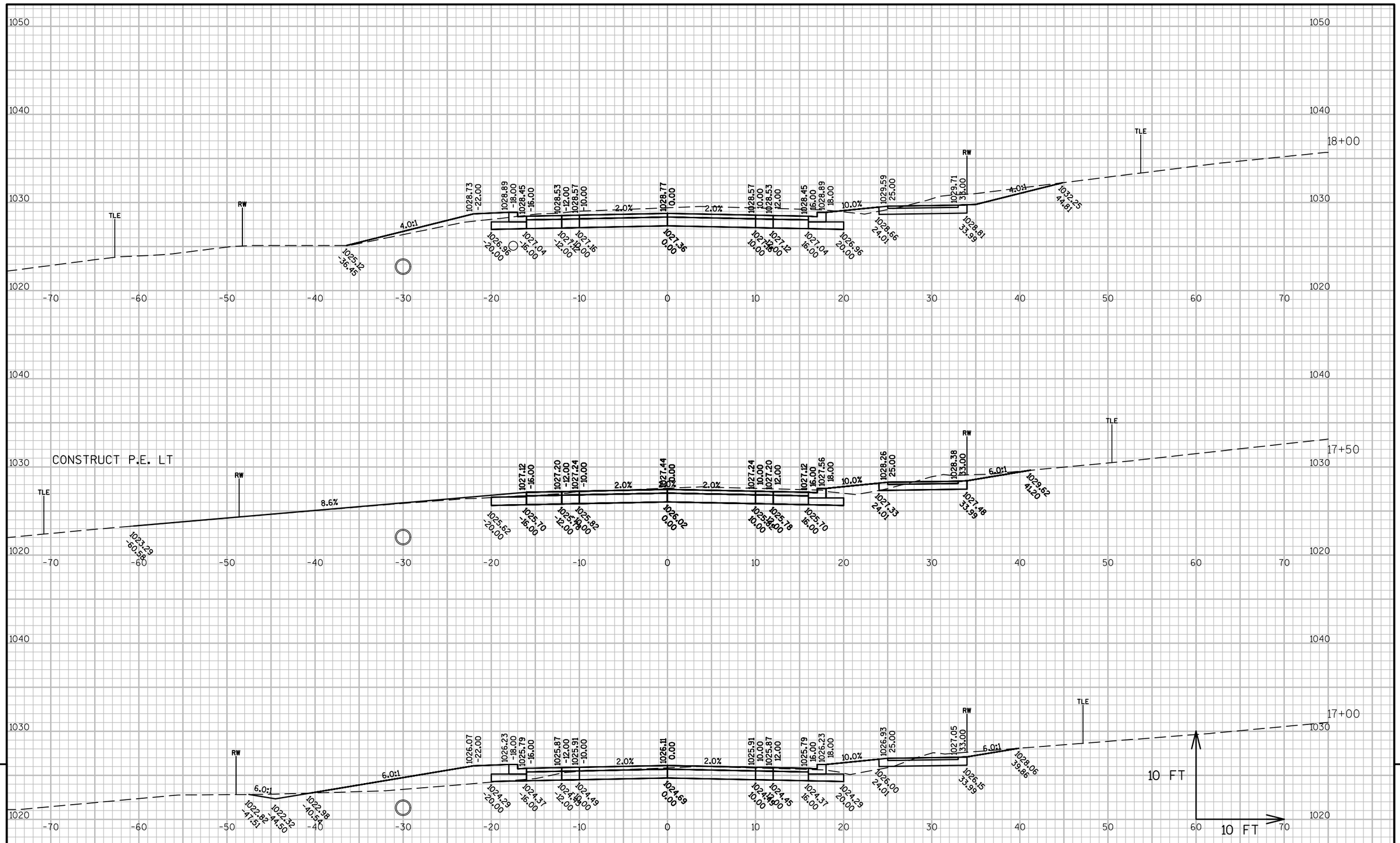

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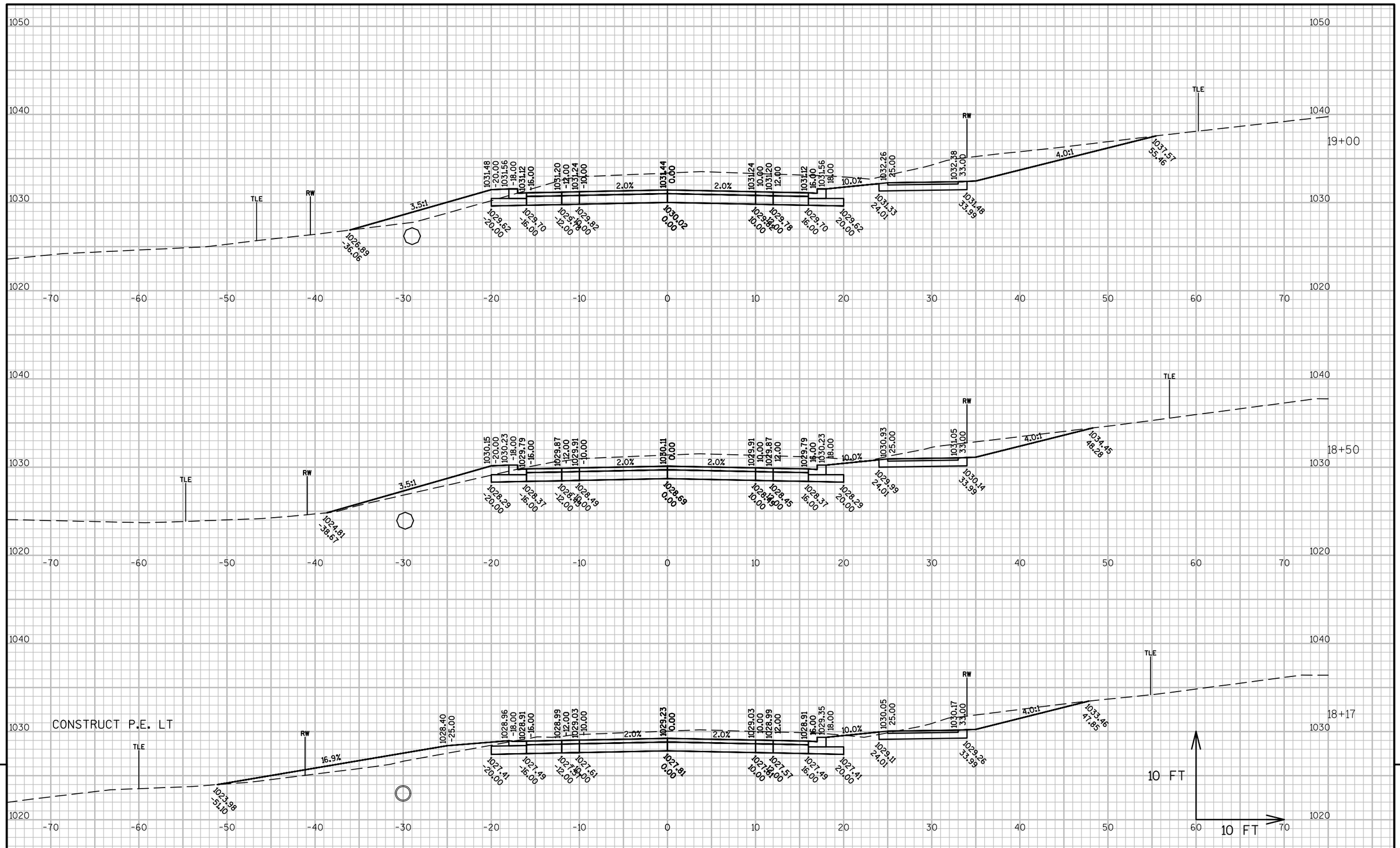

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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 274	E

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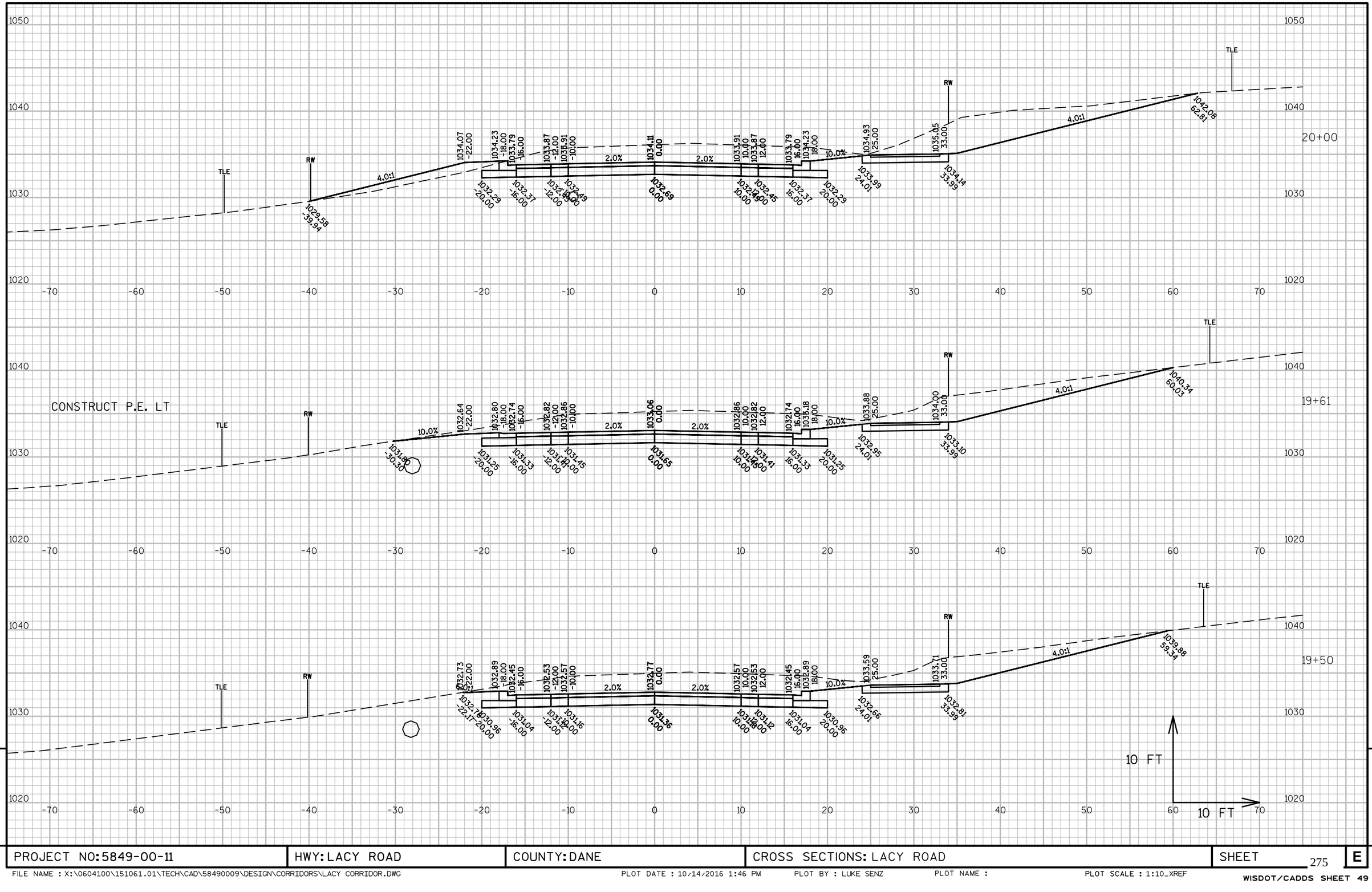

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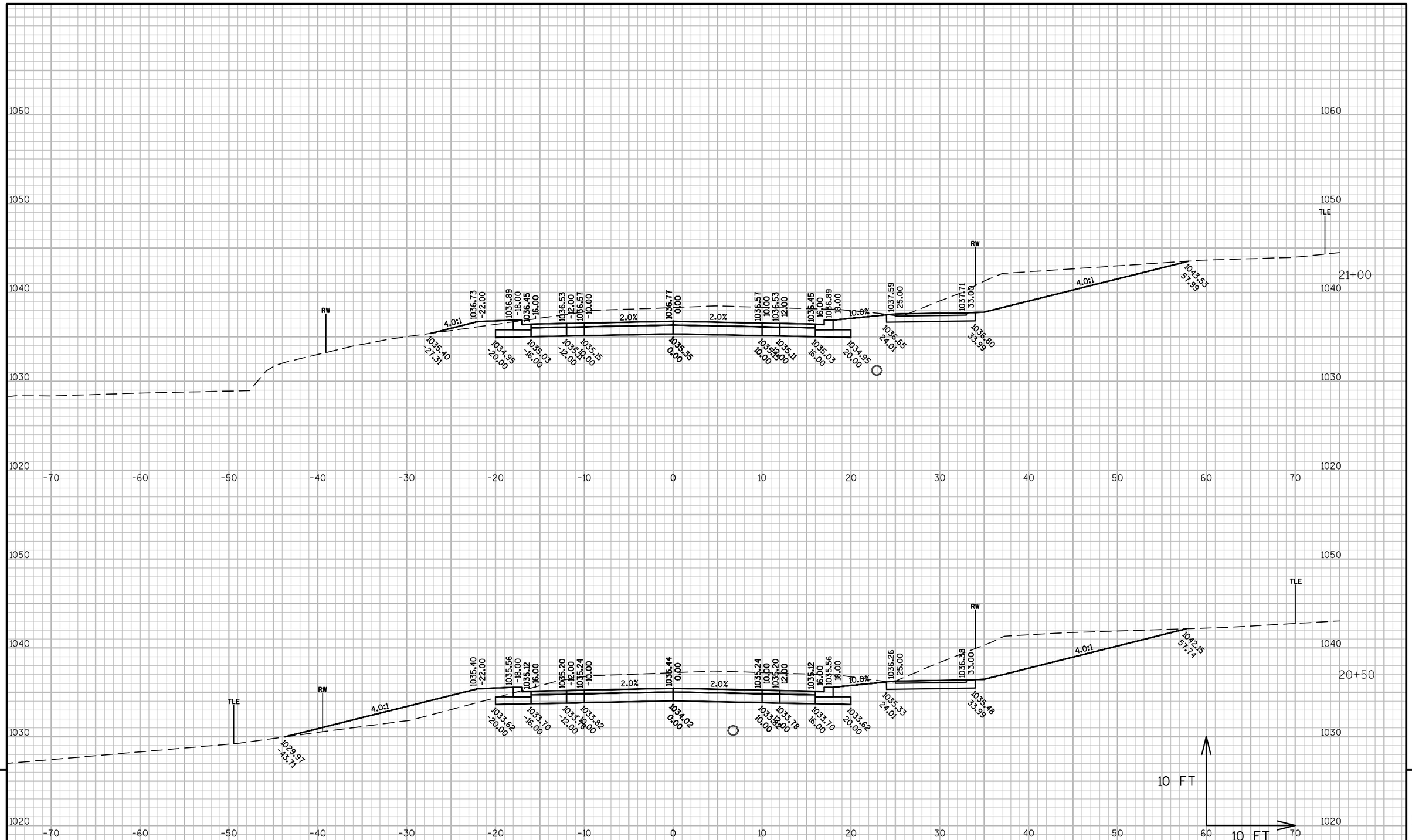
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 275	E



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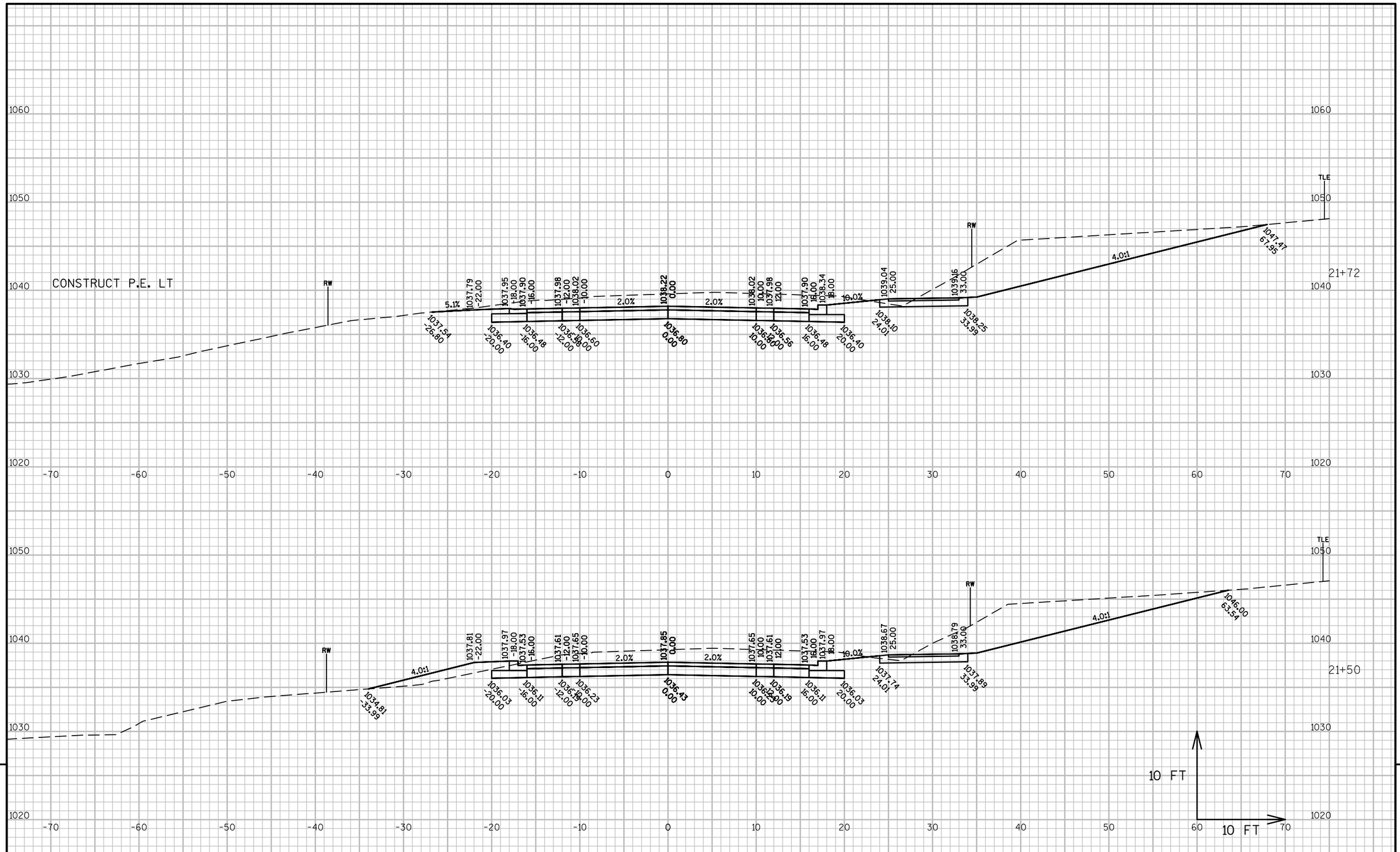

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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 277	E

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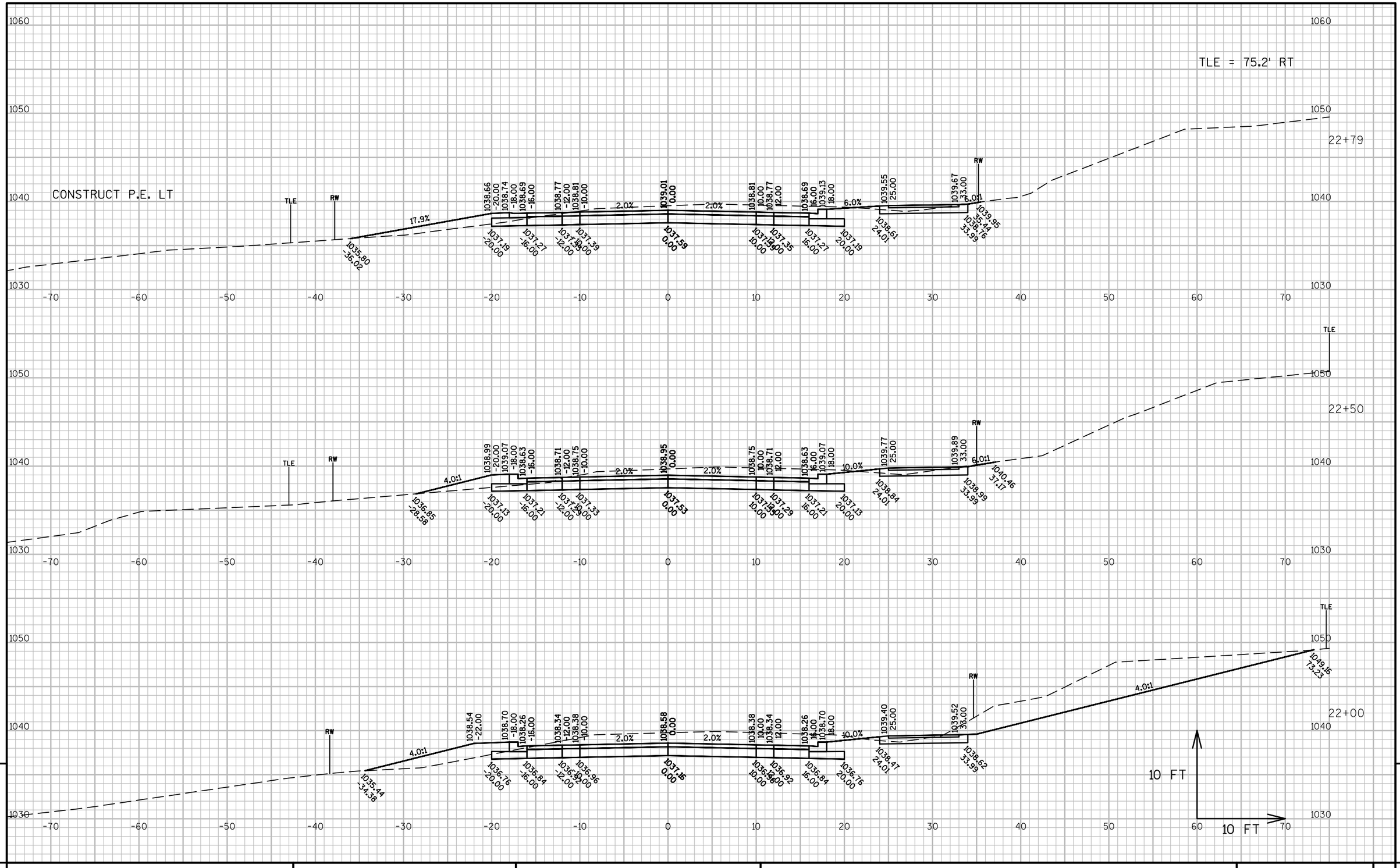
WISDOT/CADDS SHEET 49



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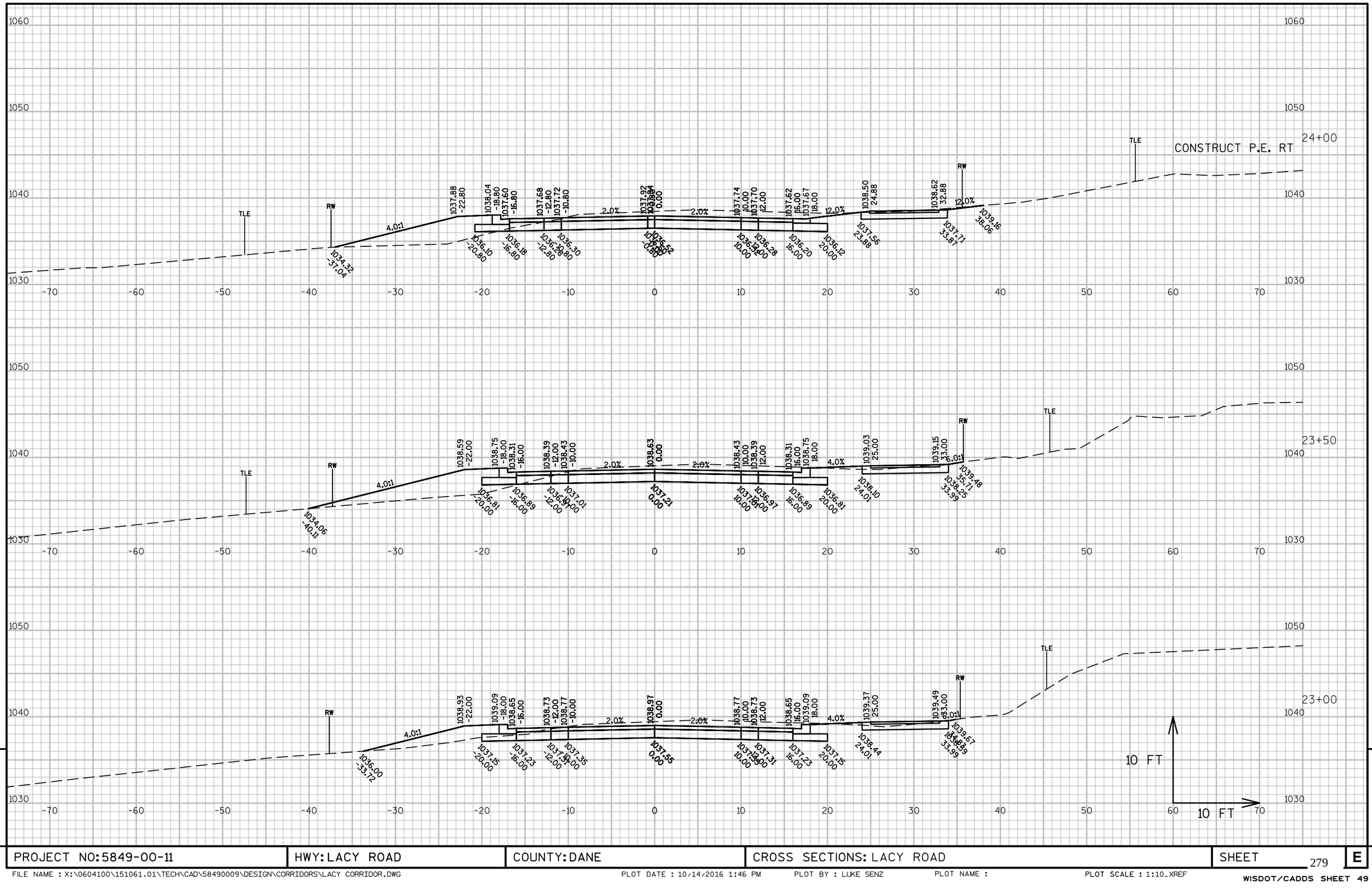
WISDOT/CADDS SHEET 49



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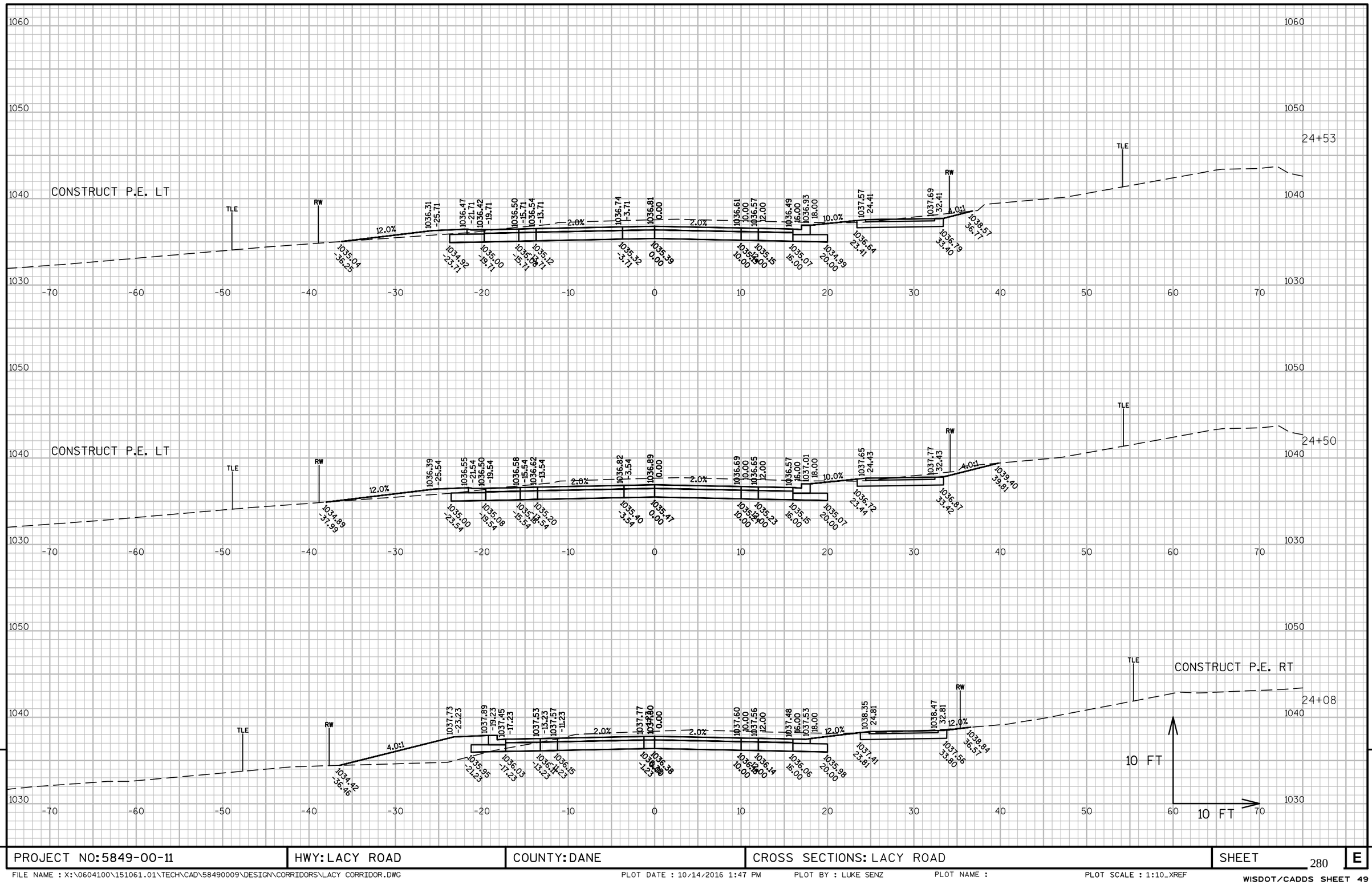
WISDOT/CADDS SHEET 49



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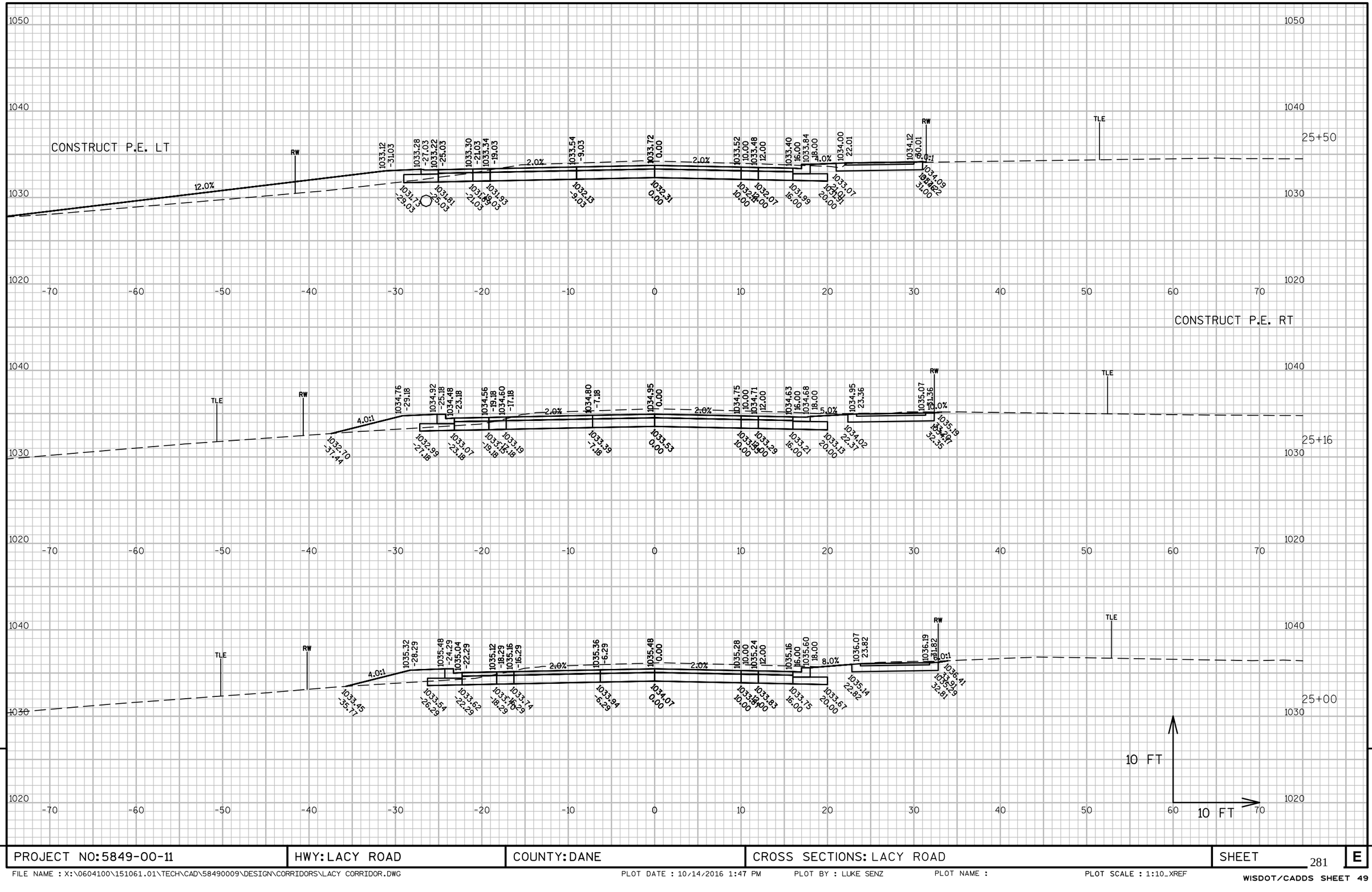
WISDOT/CADDS SHEET 49



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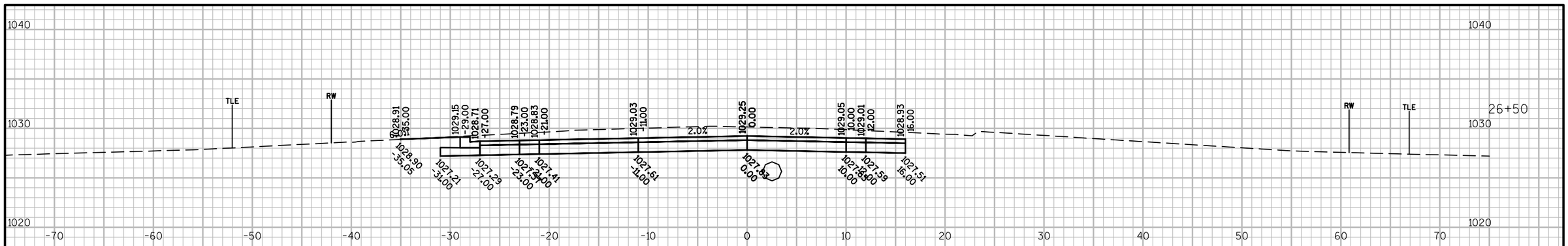
9

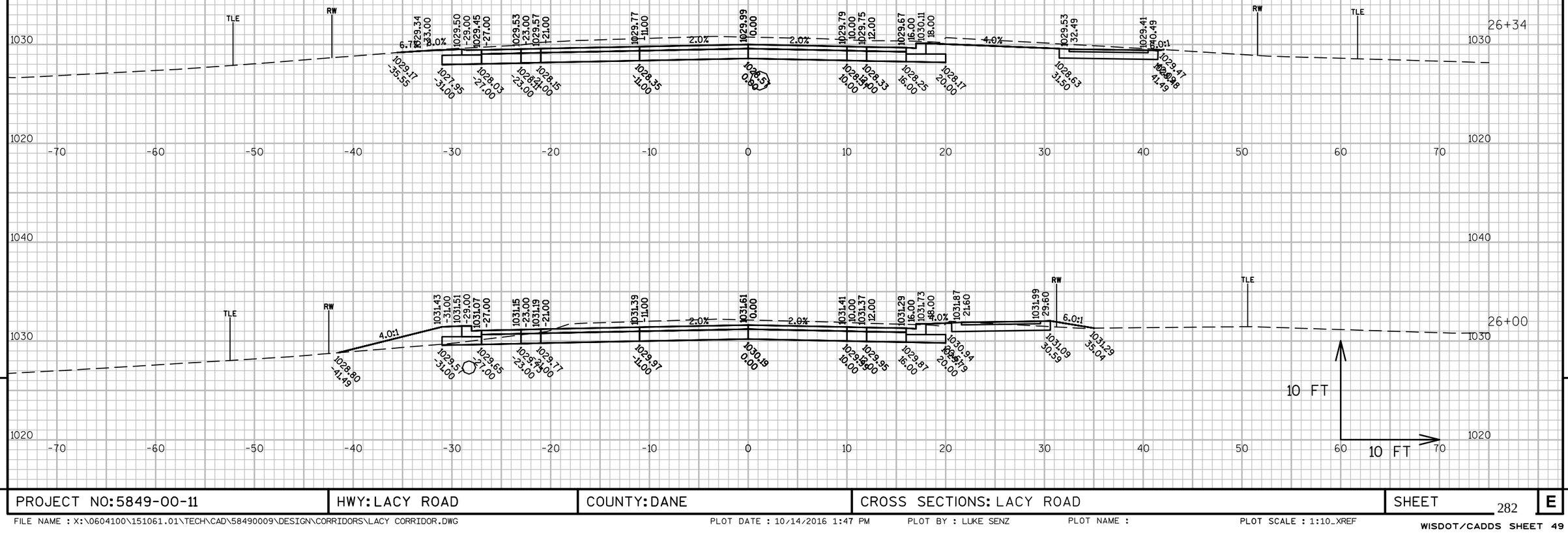
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 281	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:47 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



CONSTRUCT P.E. LT



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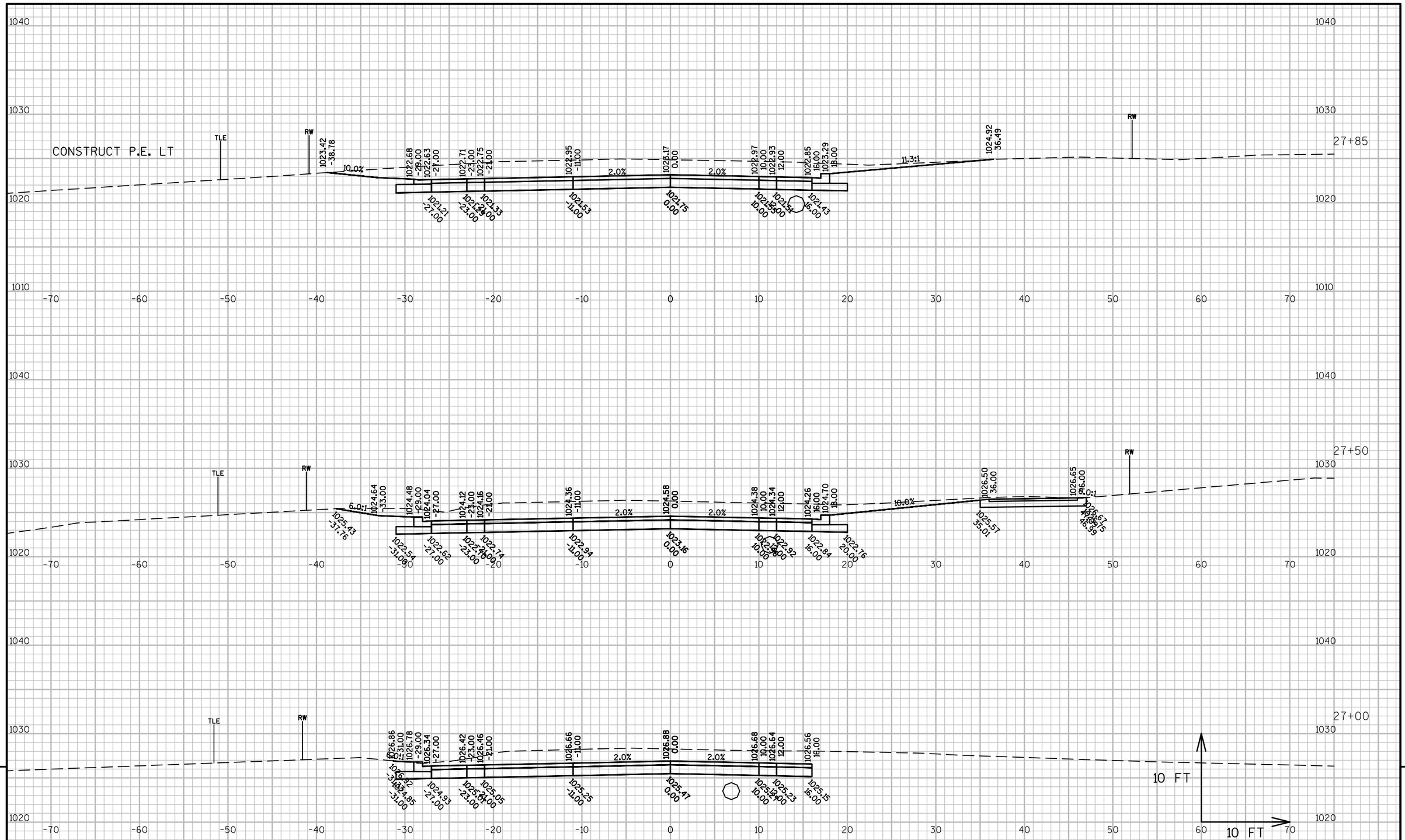
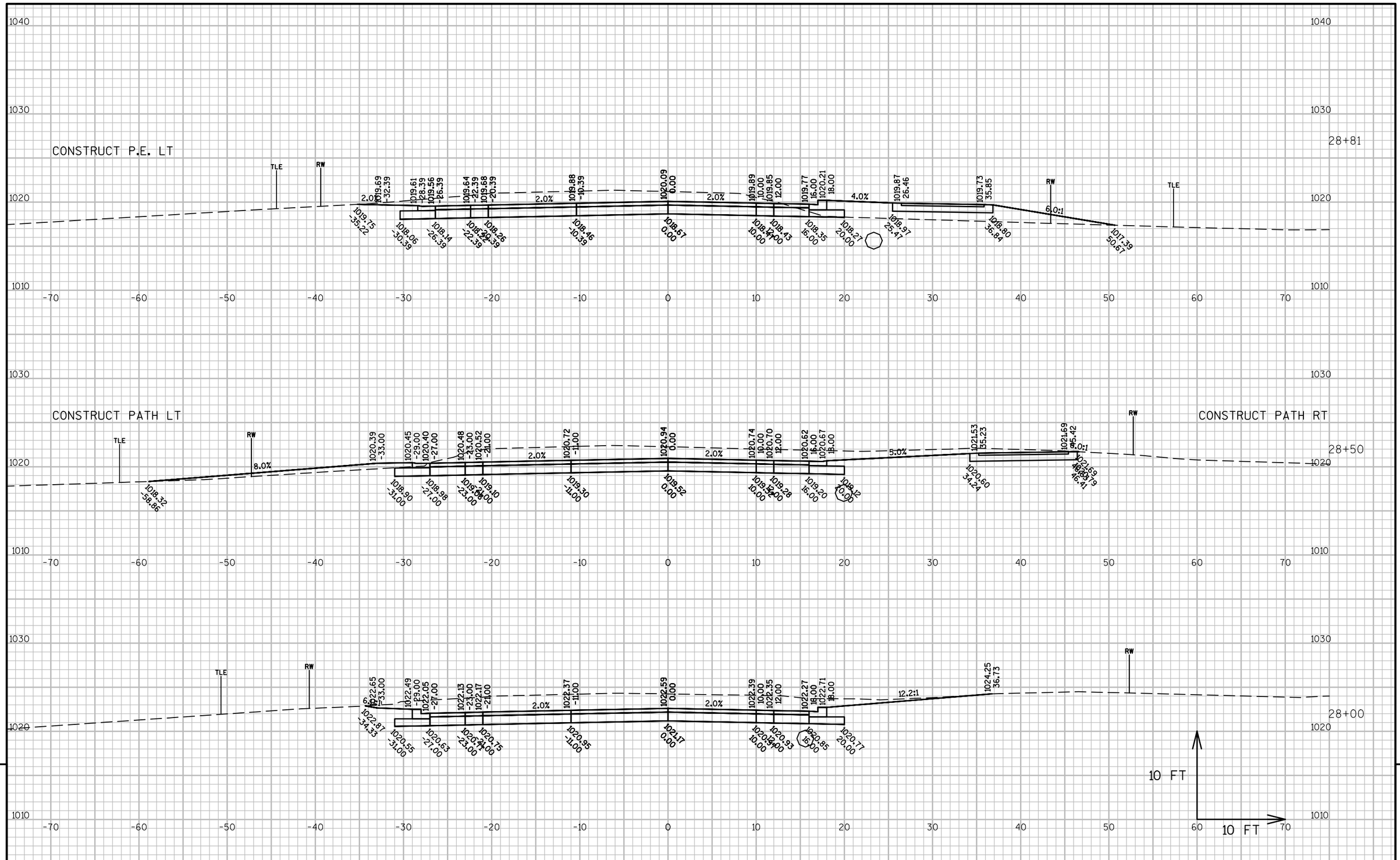
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 282	E



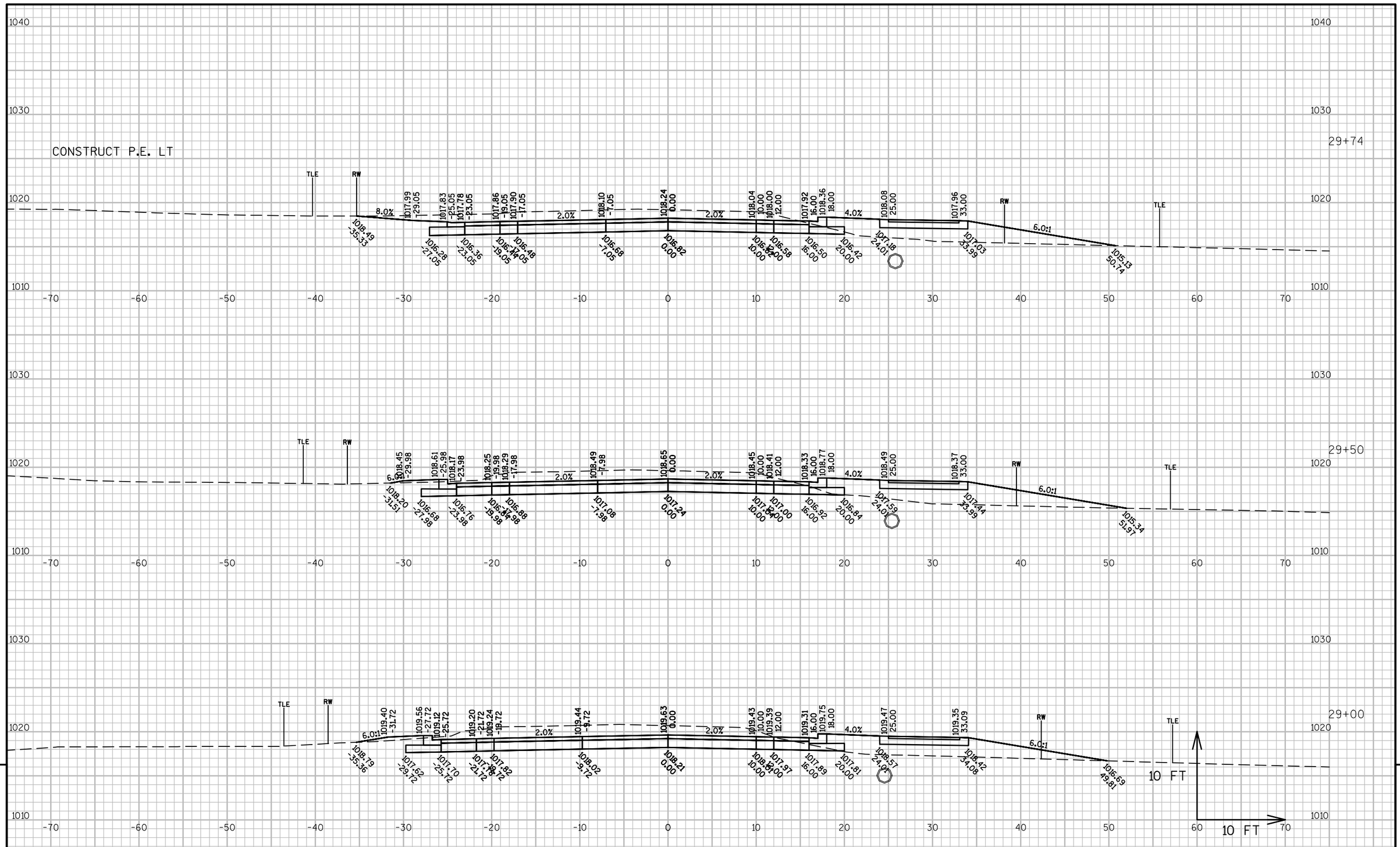
9	PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 283 E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 284	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:47 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

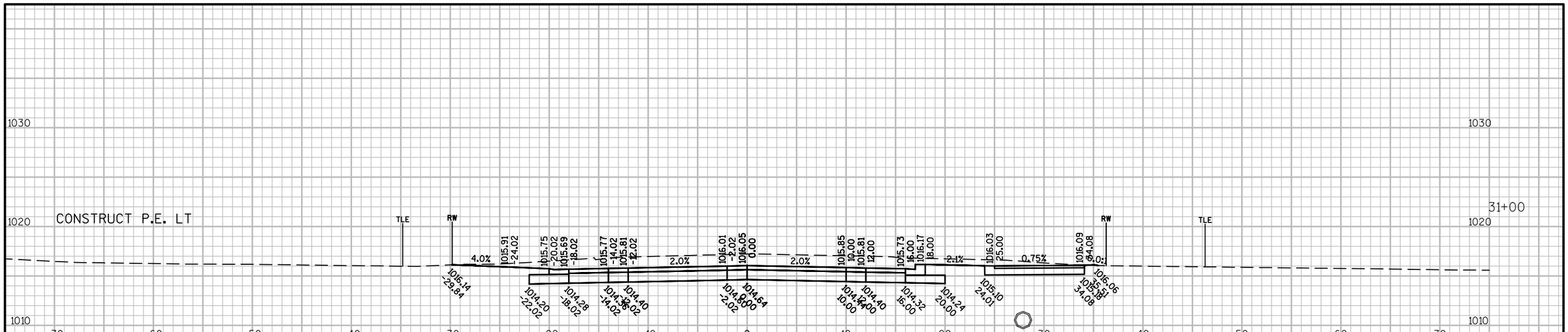
WISDOT/CADDS SHEET 49

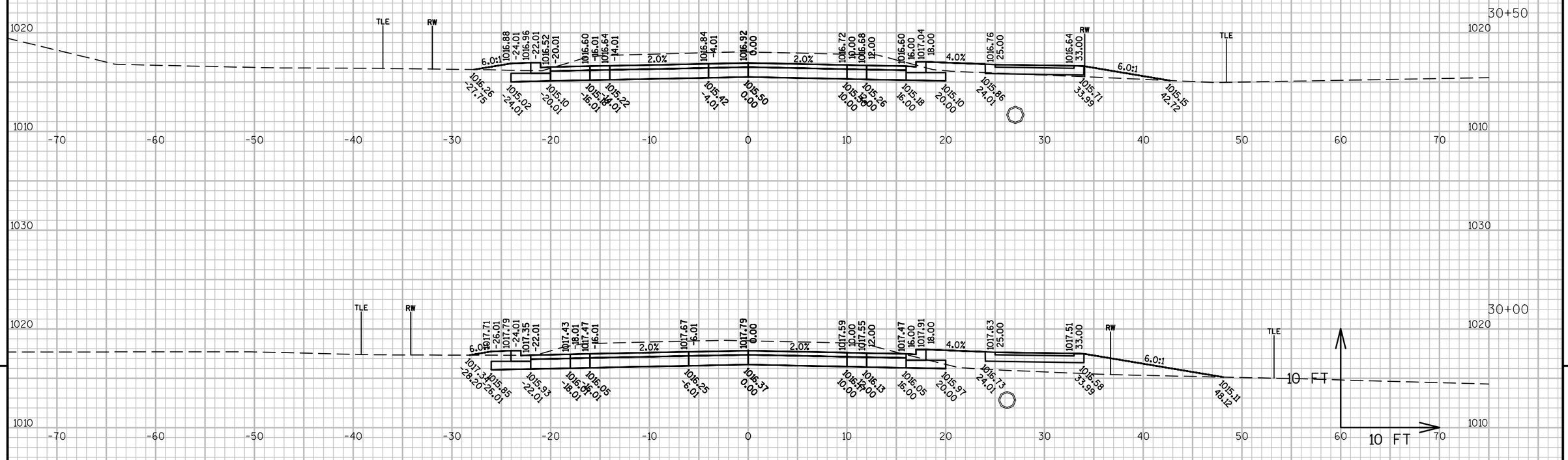


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 285	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:48 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49





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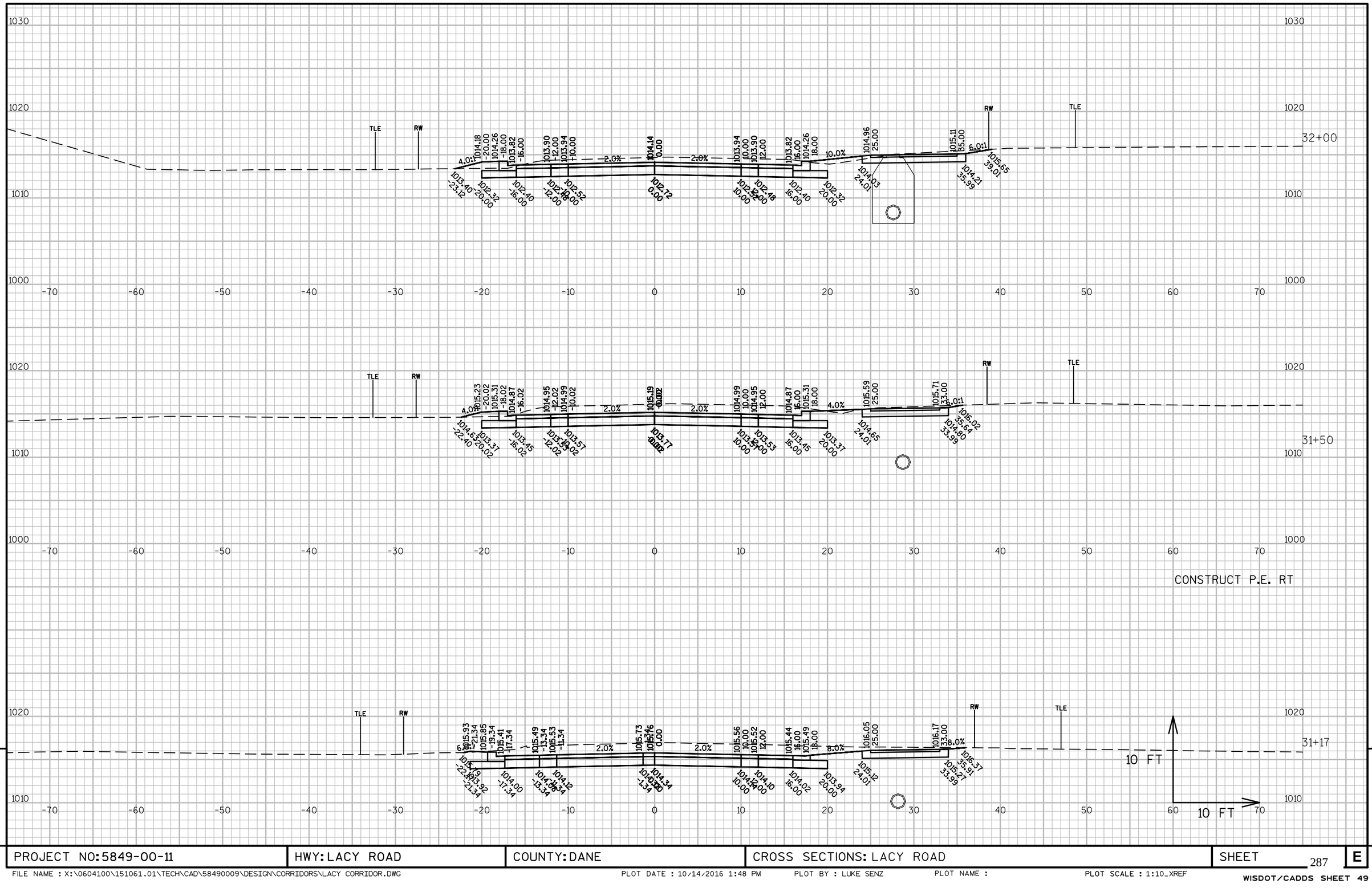
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 286	E



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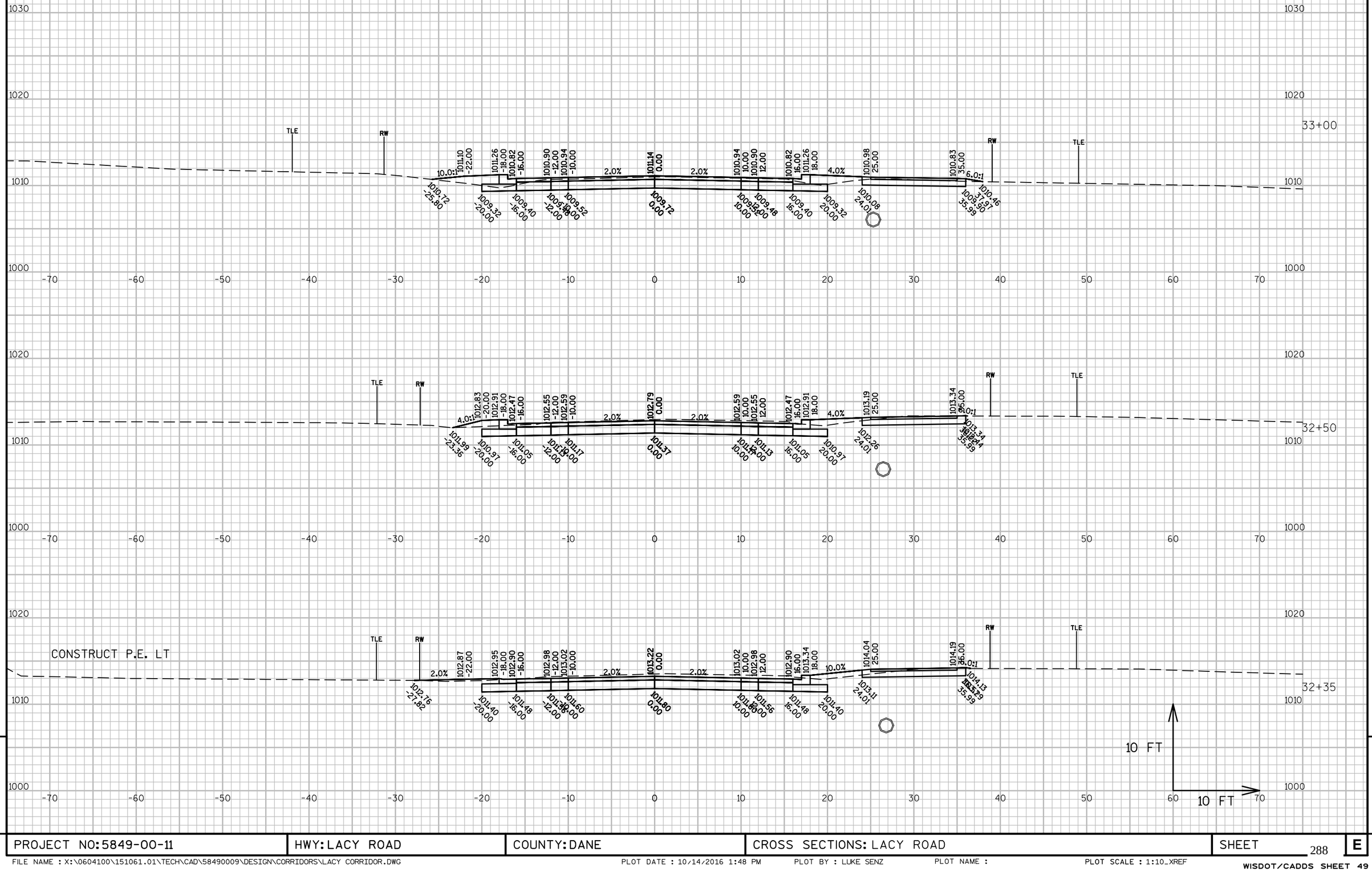
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 287	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:48 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

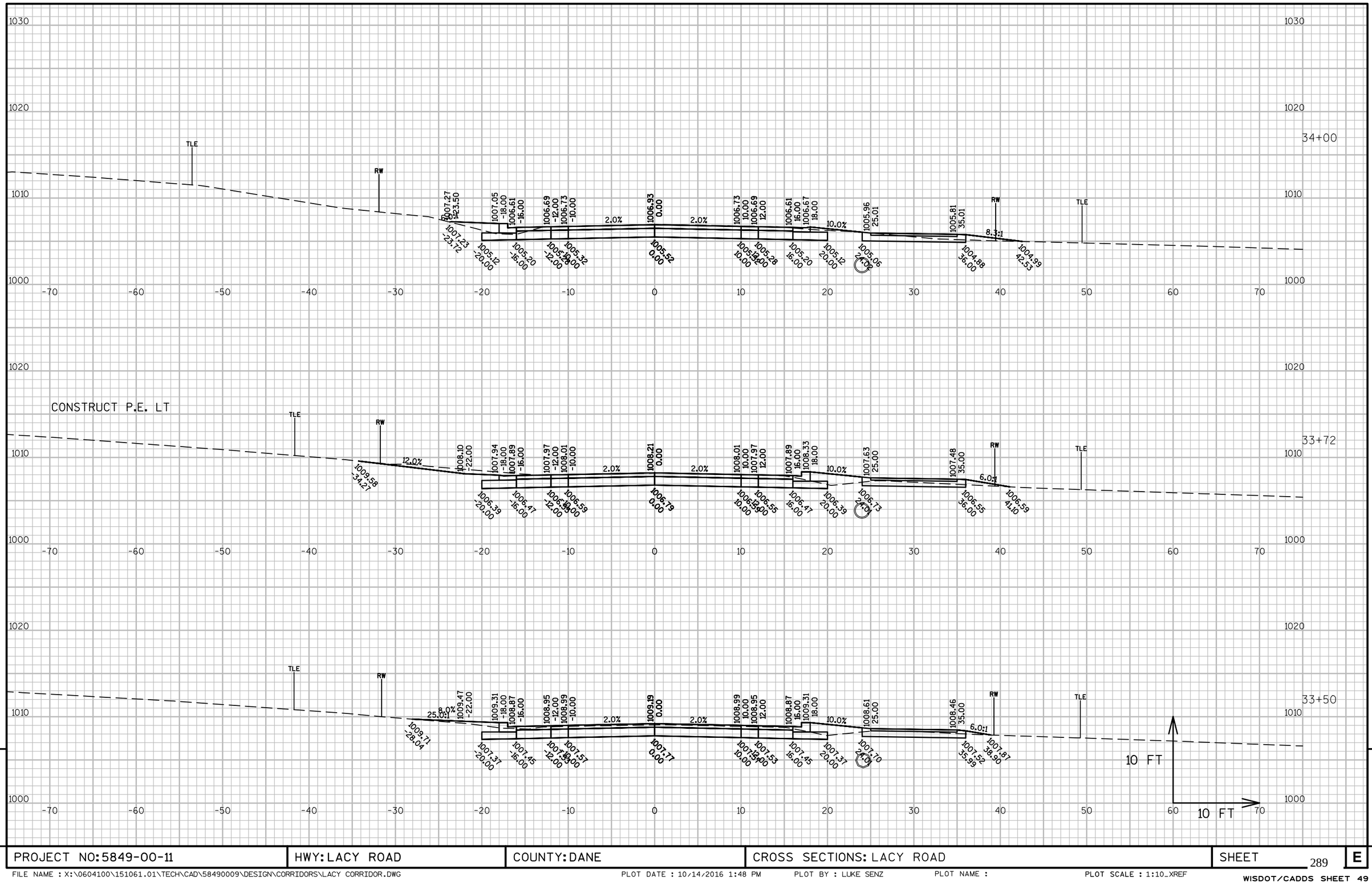
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 288 E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:48 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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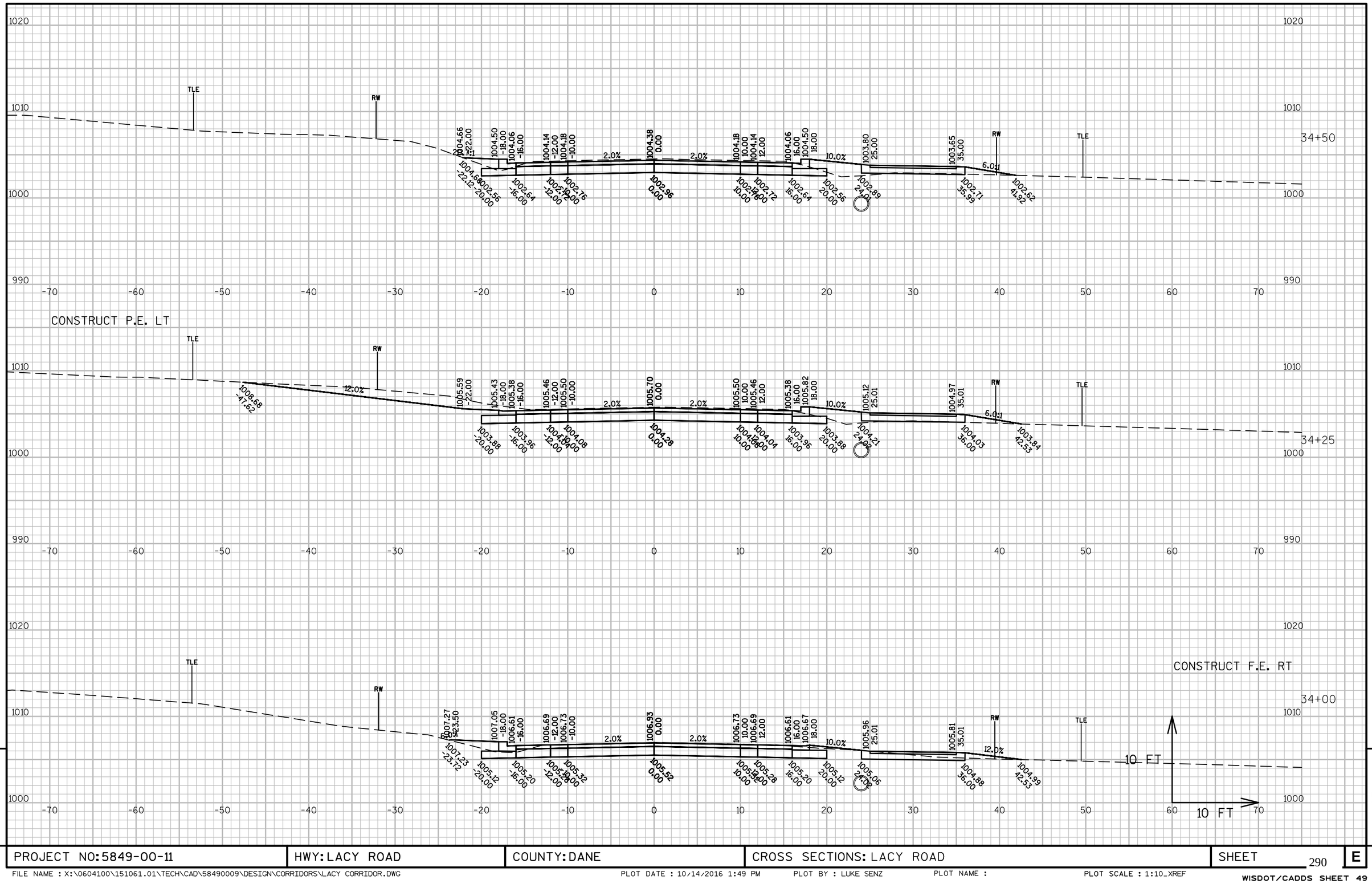
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 289	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:48 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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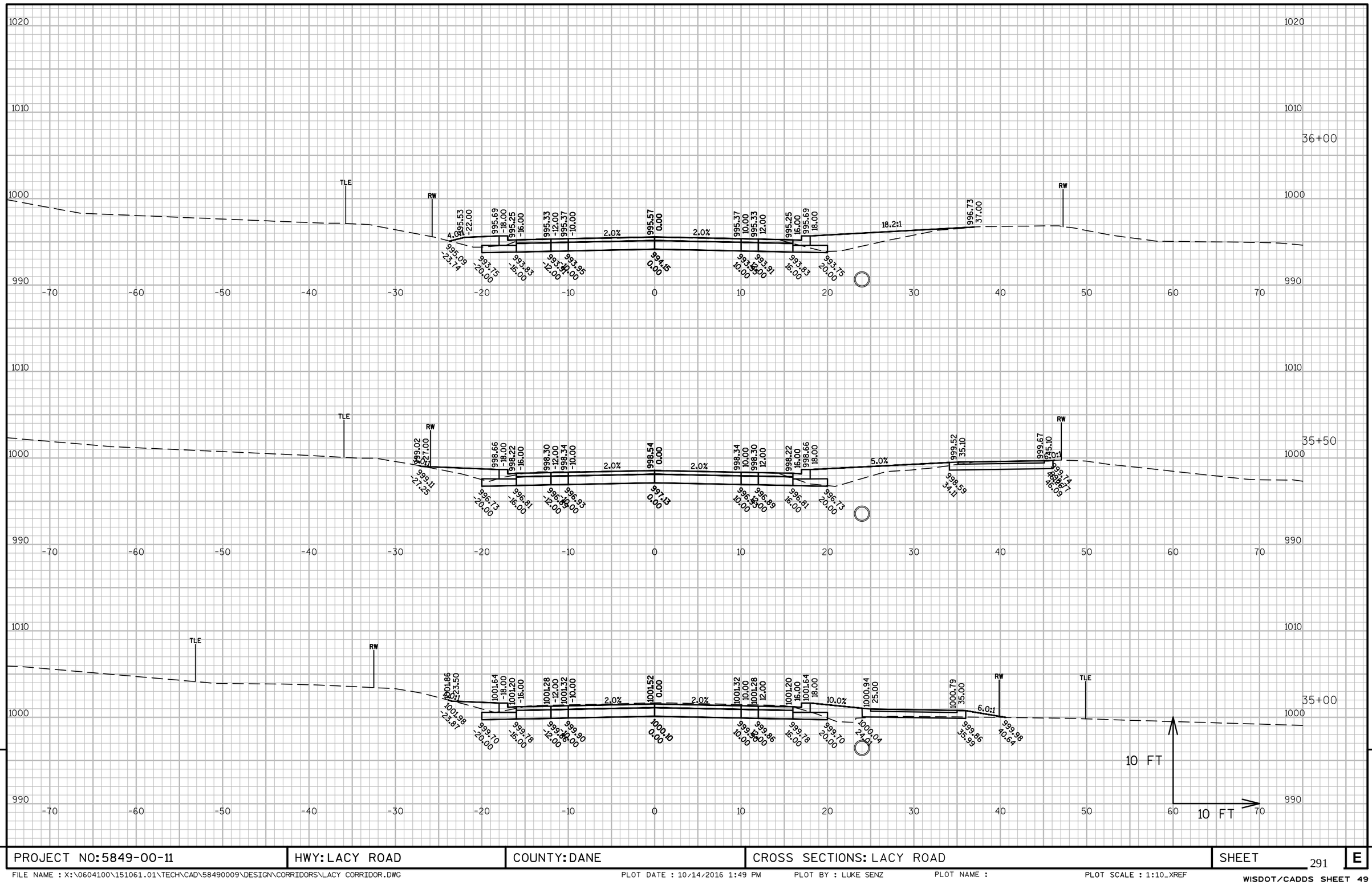
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 290	E



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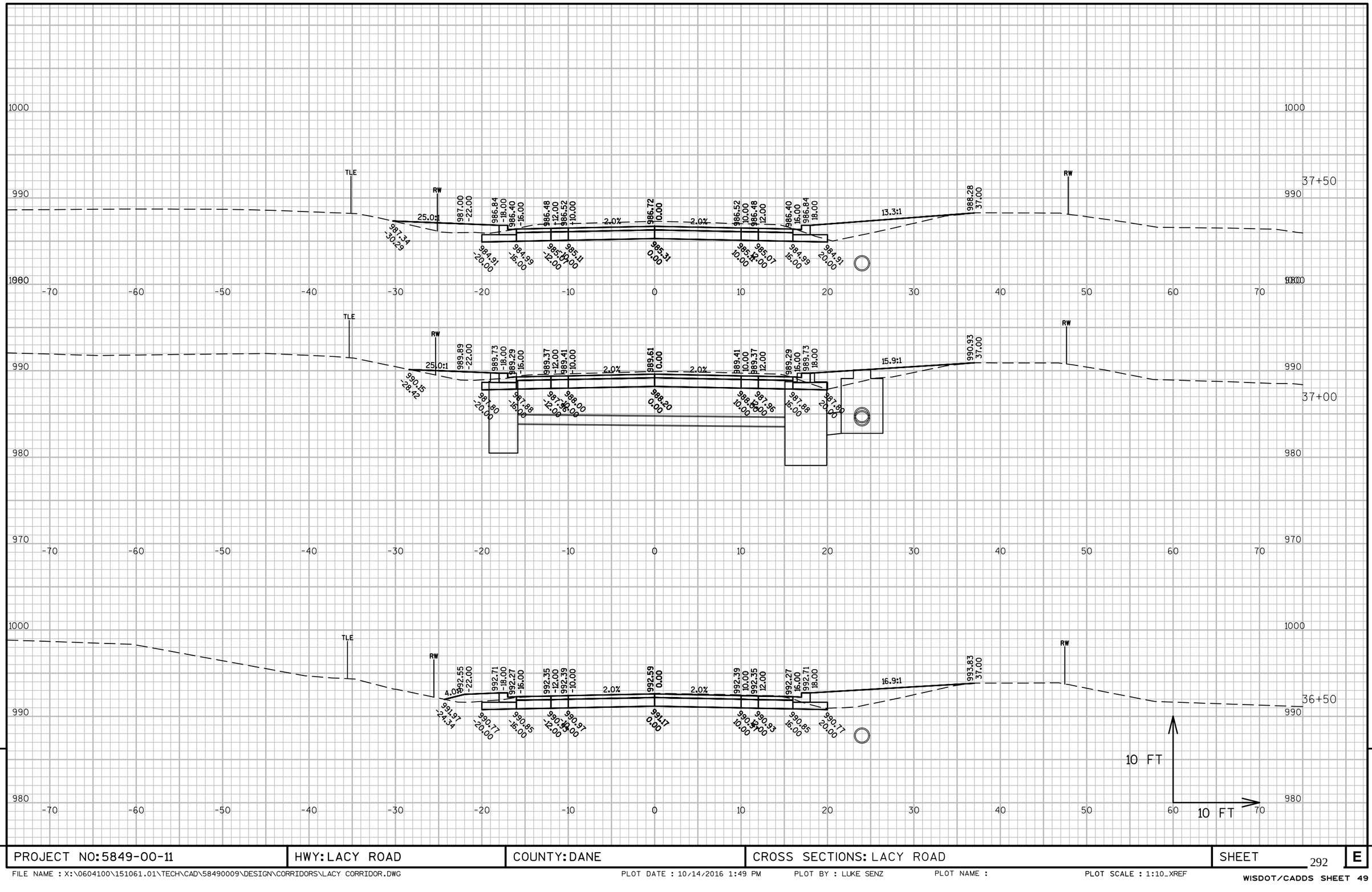
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 291	E

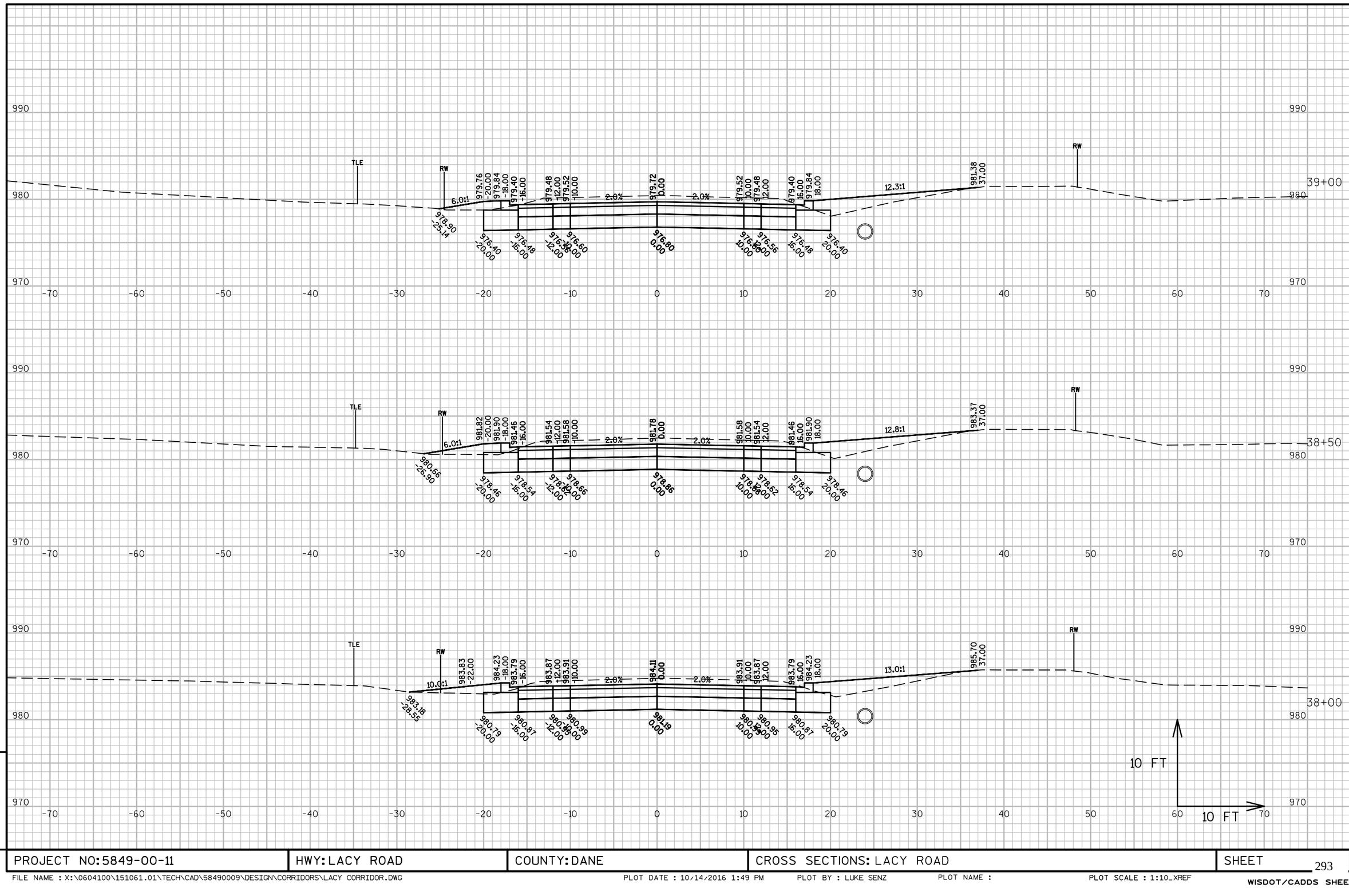
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:49 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 292	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:49 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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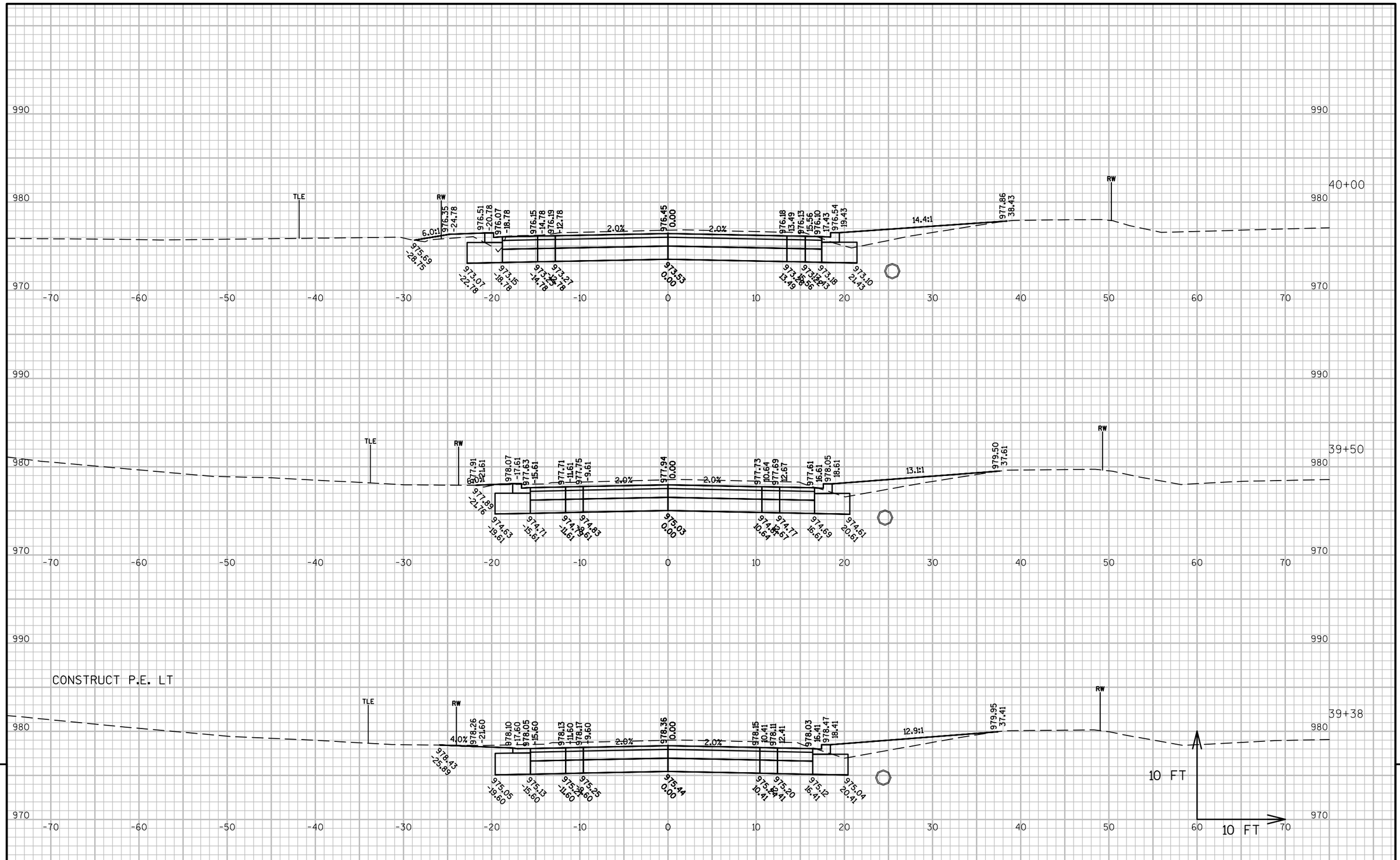
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 293	E

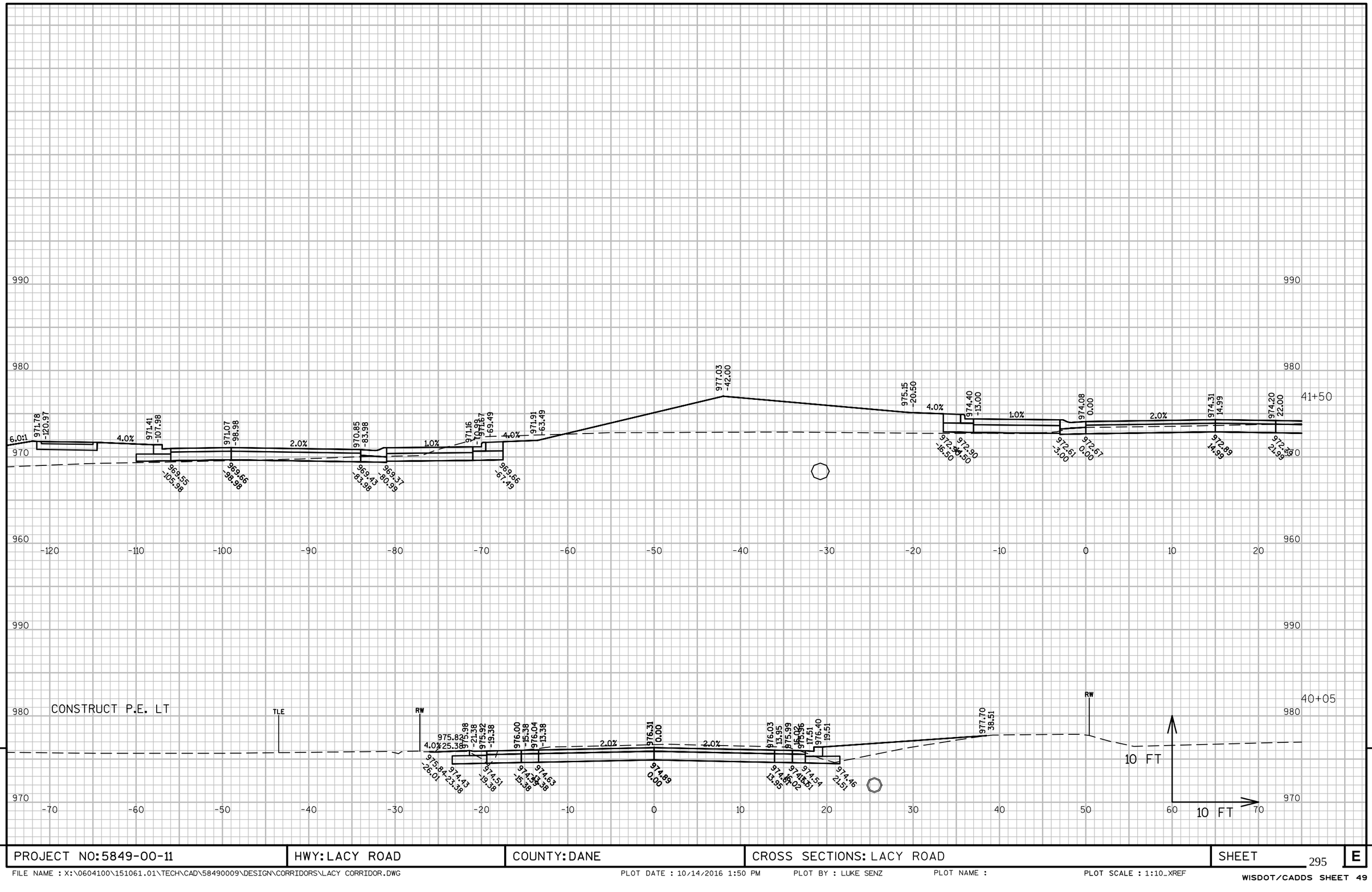
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:49 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 294	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:49 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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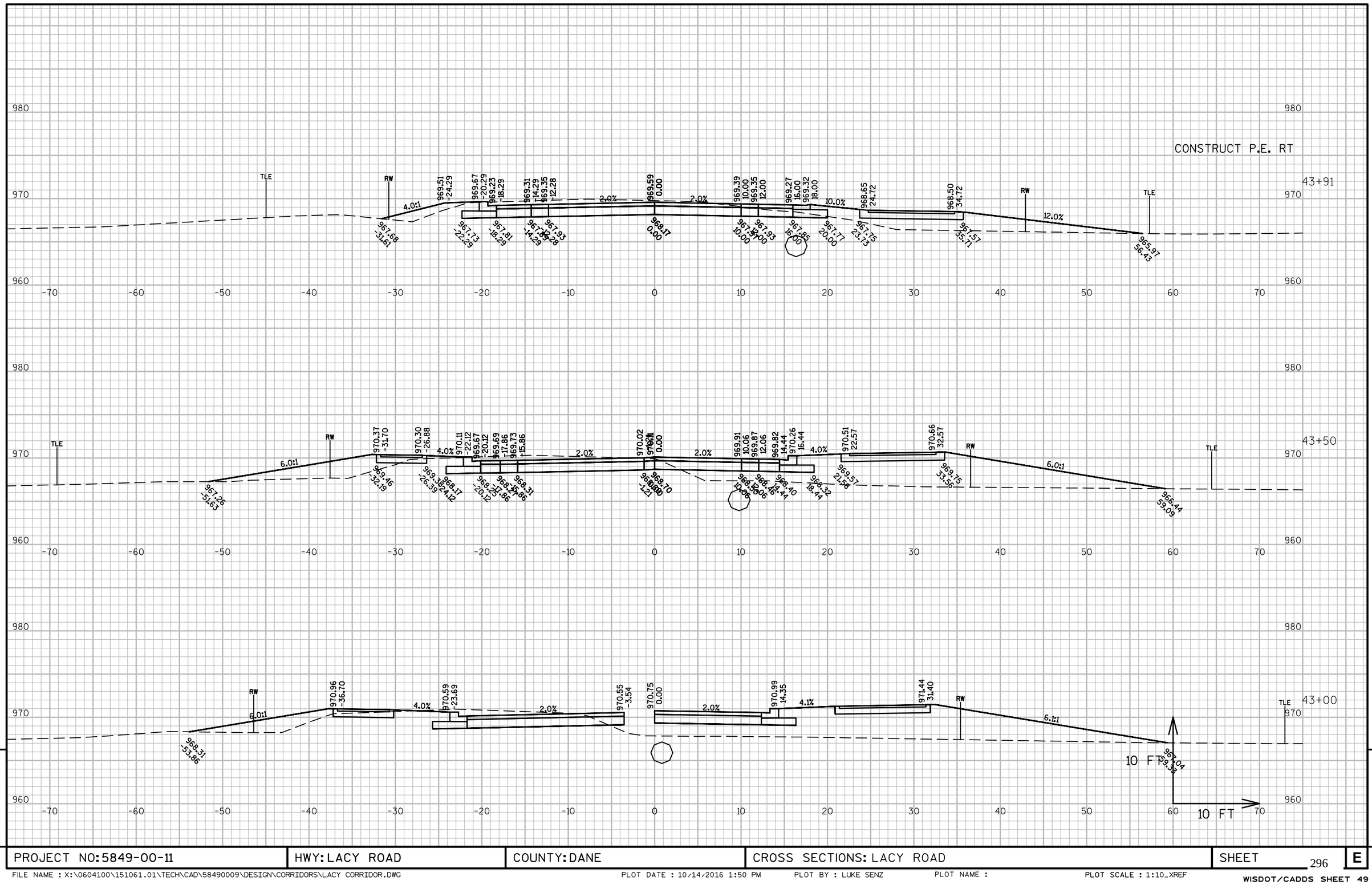
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 295	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:50 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

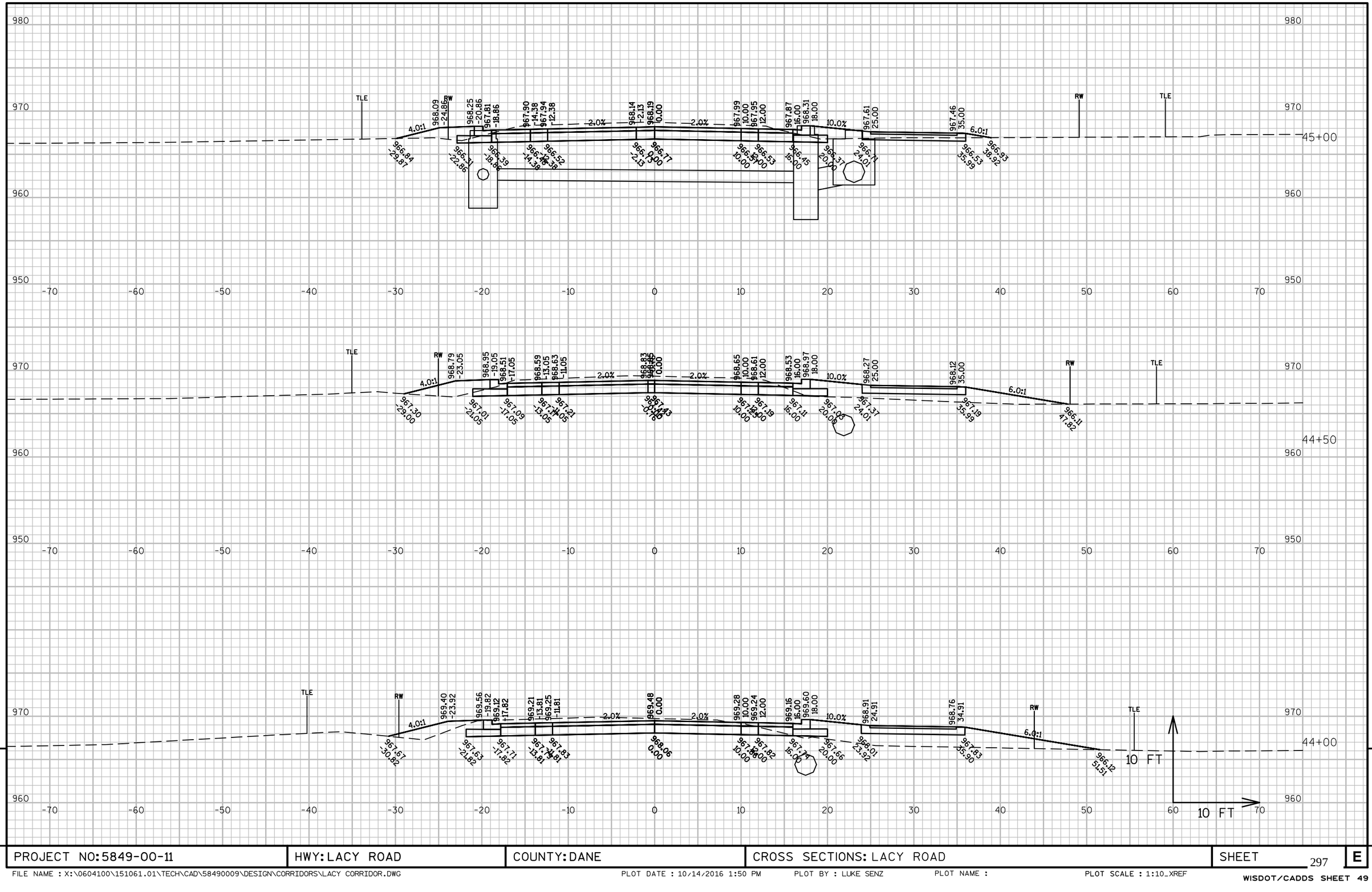
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 296	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:50 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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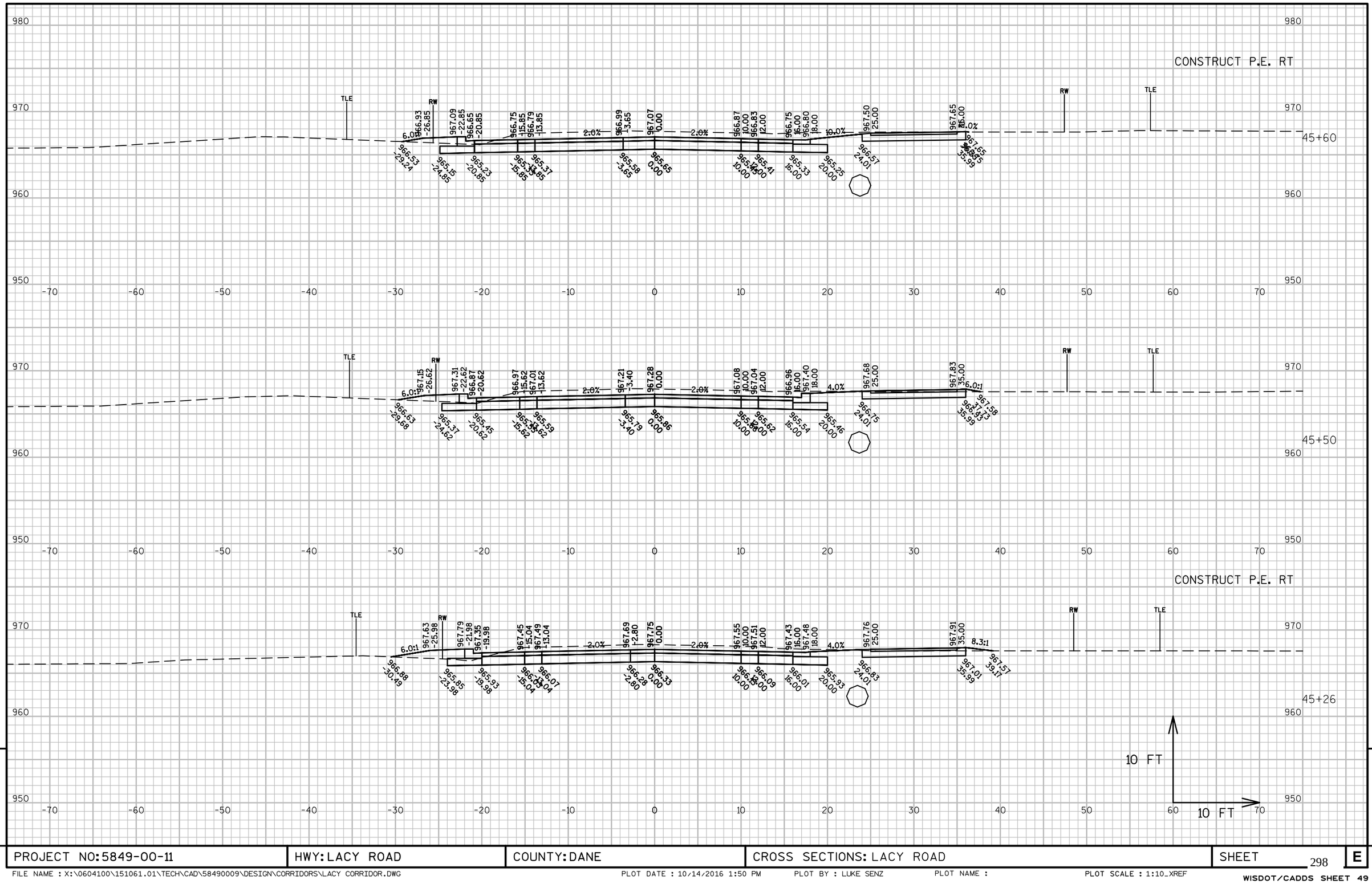
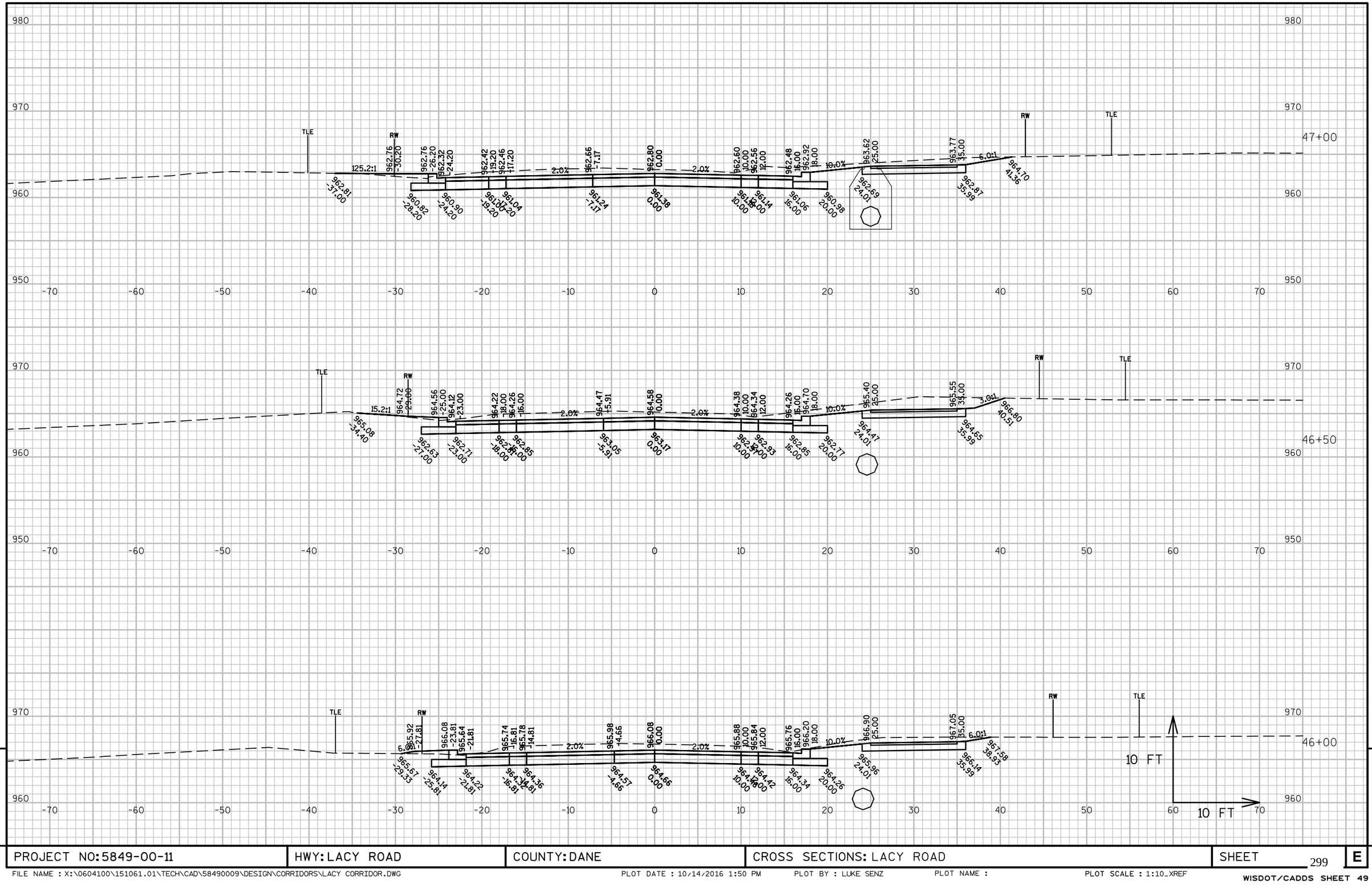
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CROSS SECTIONS:LACY ROAD	SHEET 297	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:50 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



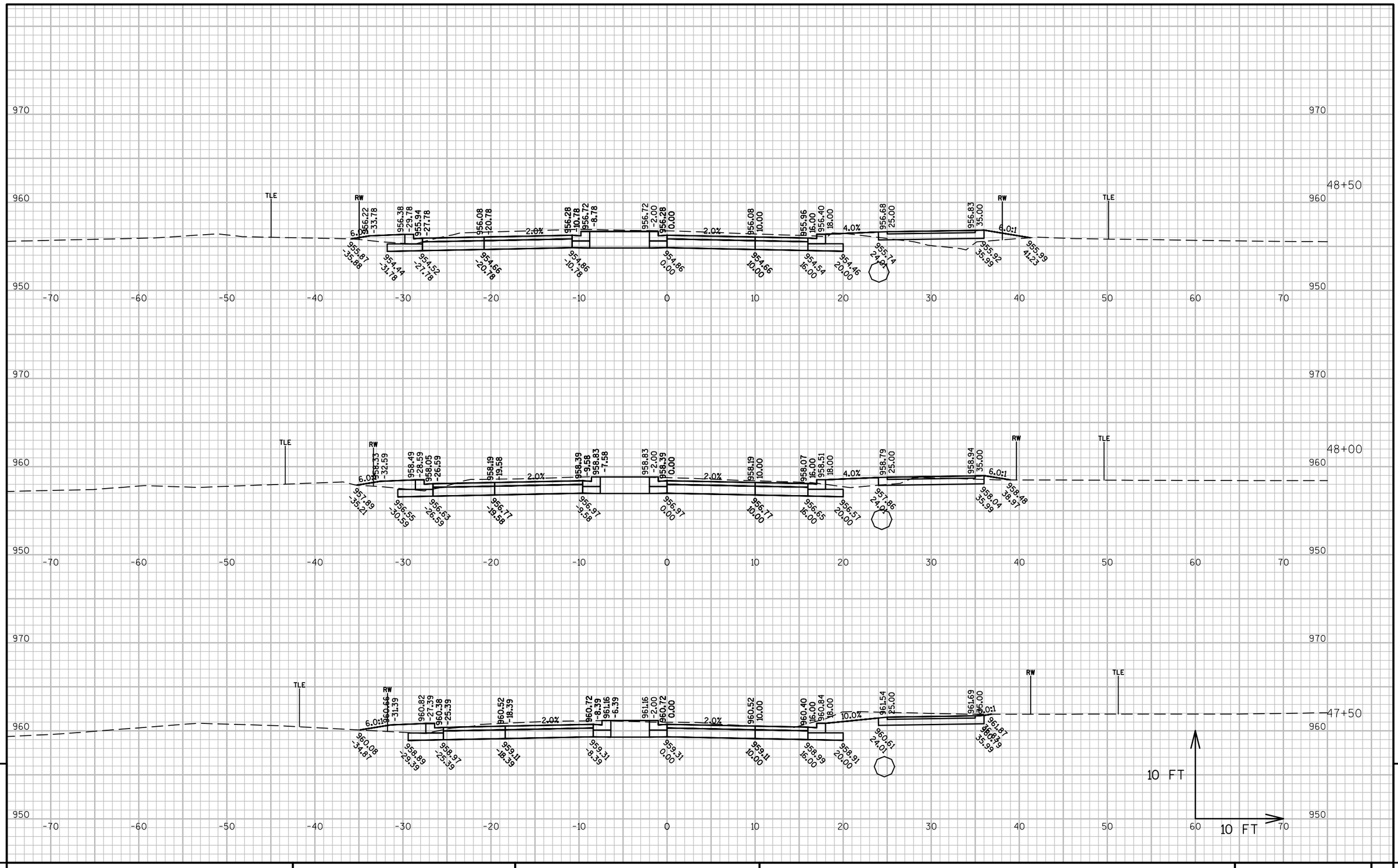
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 298	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 299	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:50 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

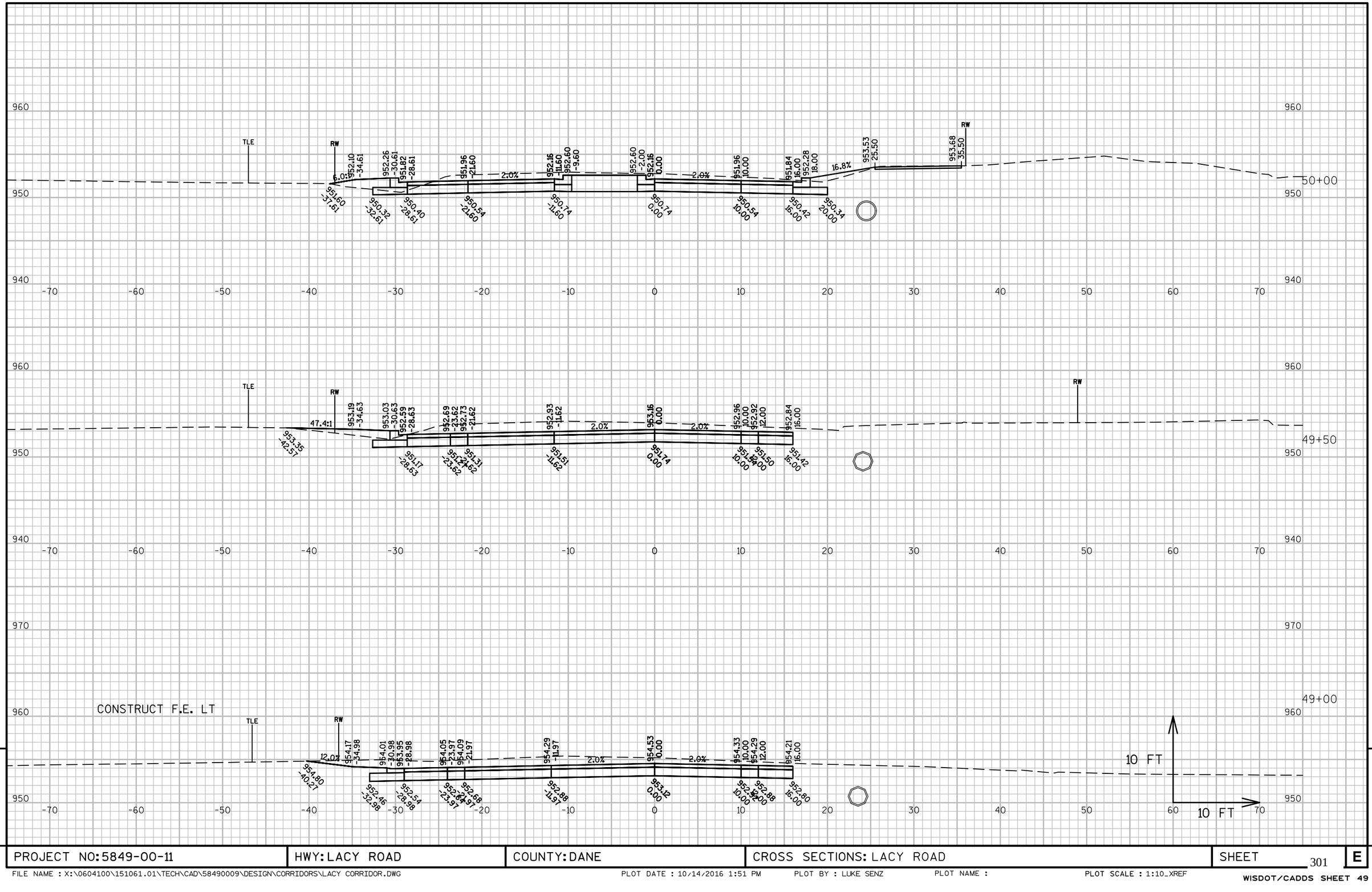
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 300	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:51 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

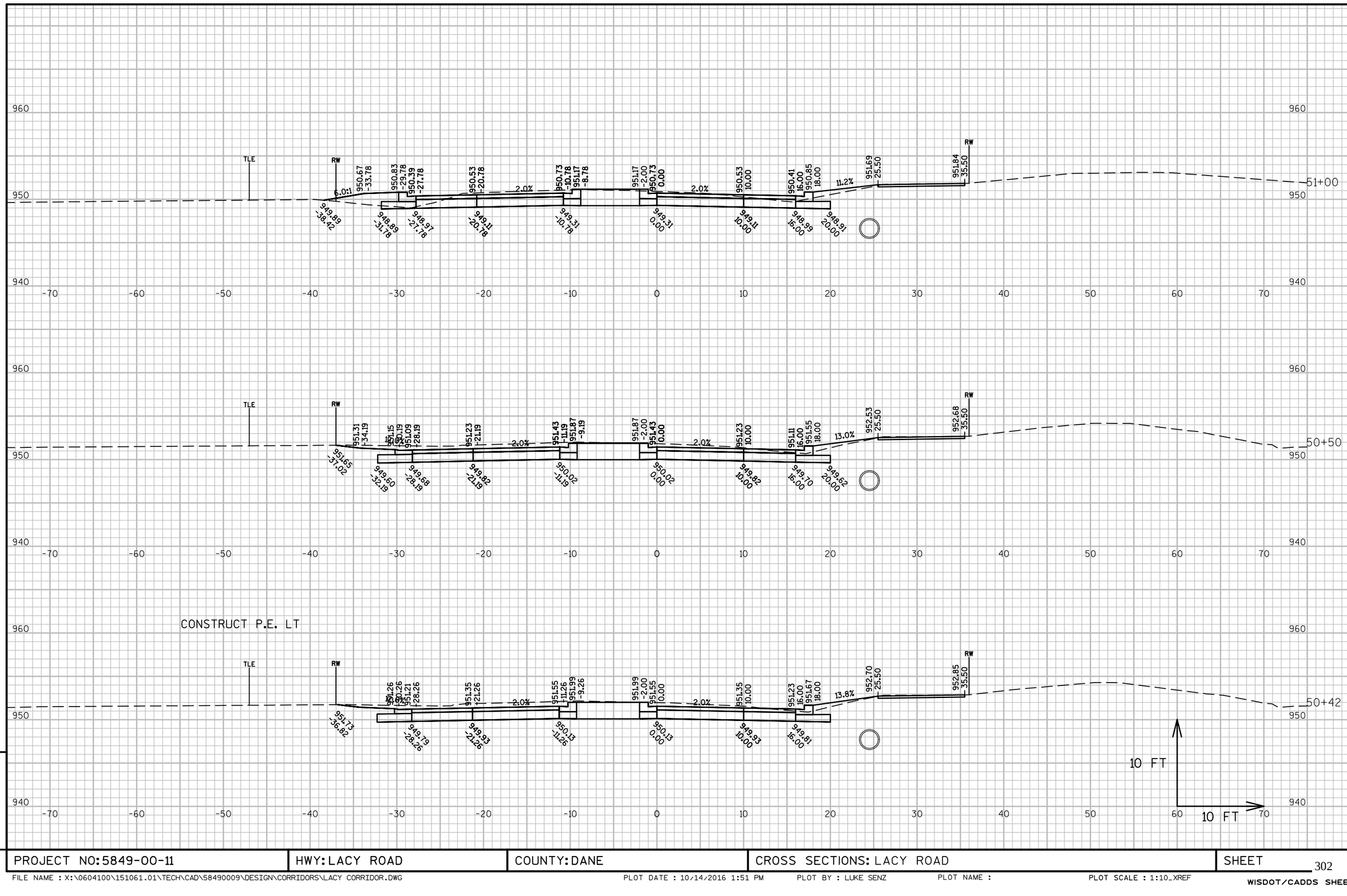
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 301	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:51 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 302	E

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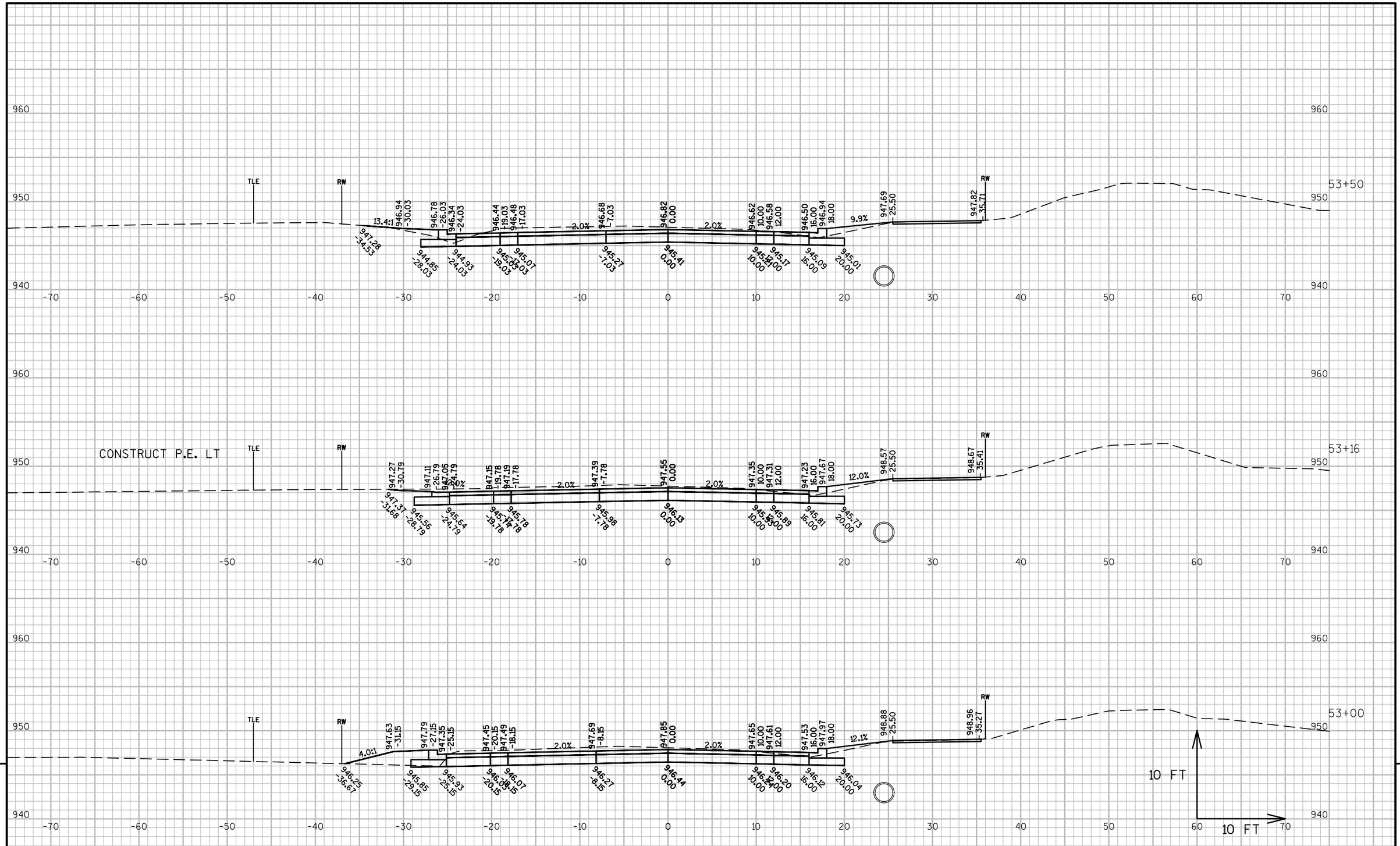
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 303	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:51 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF



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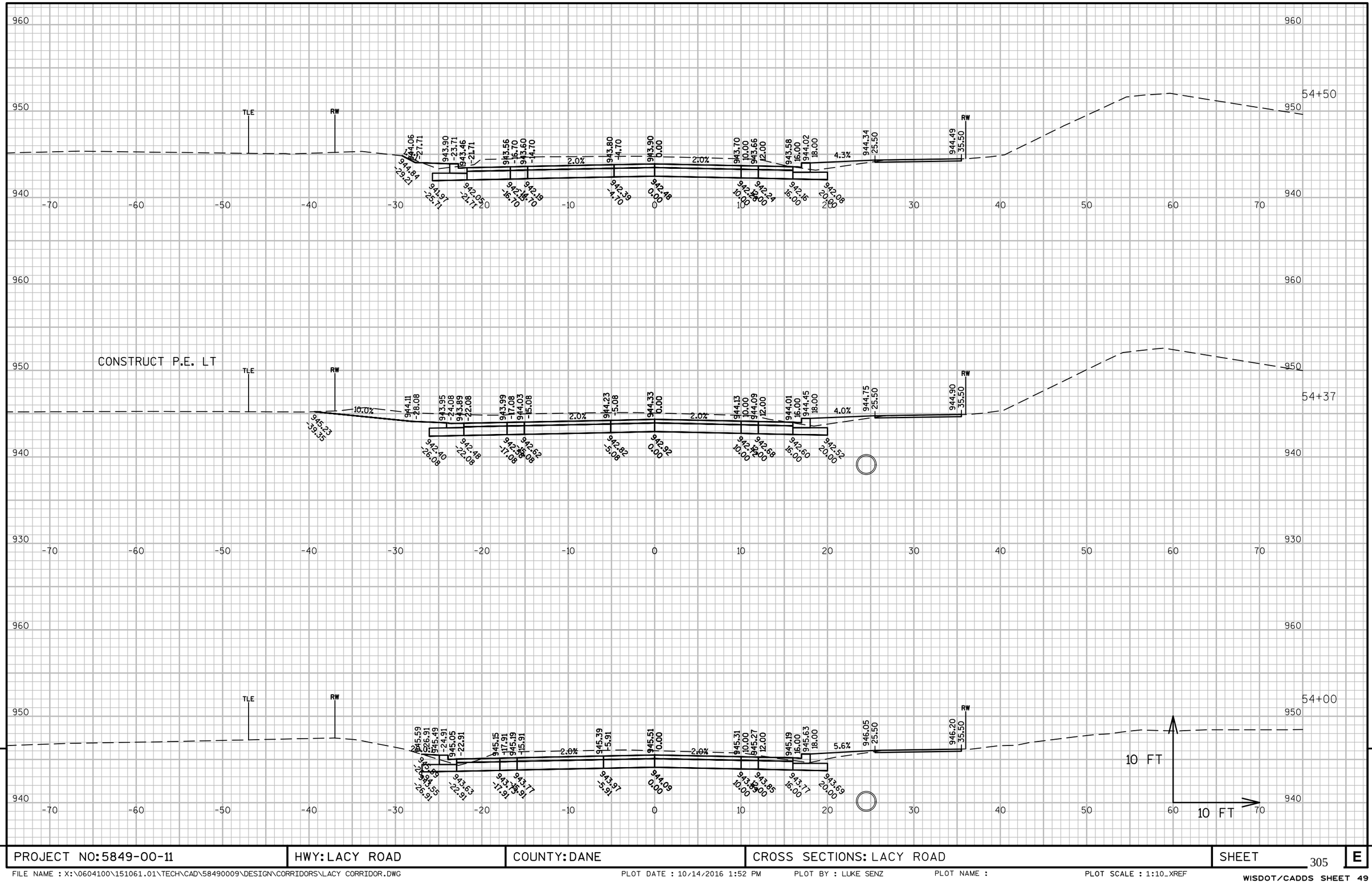
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 304	E

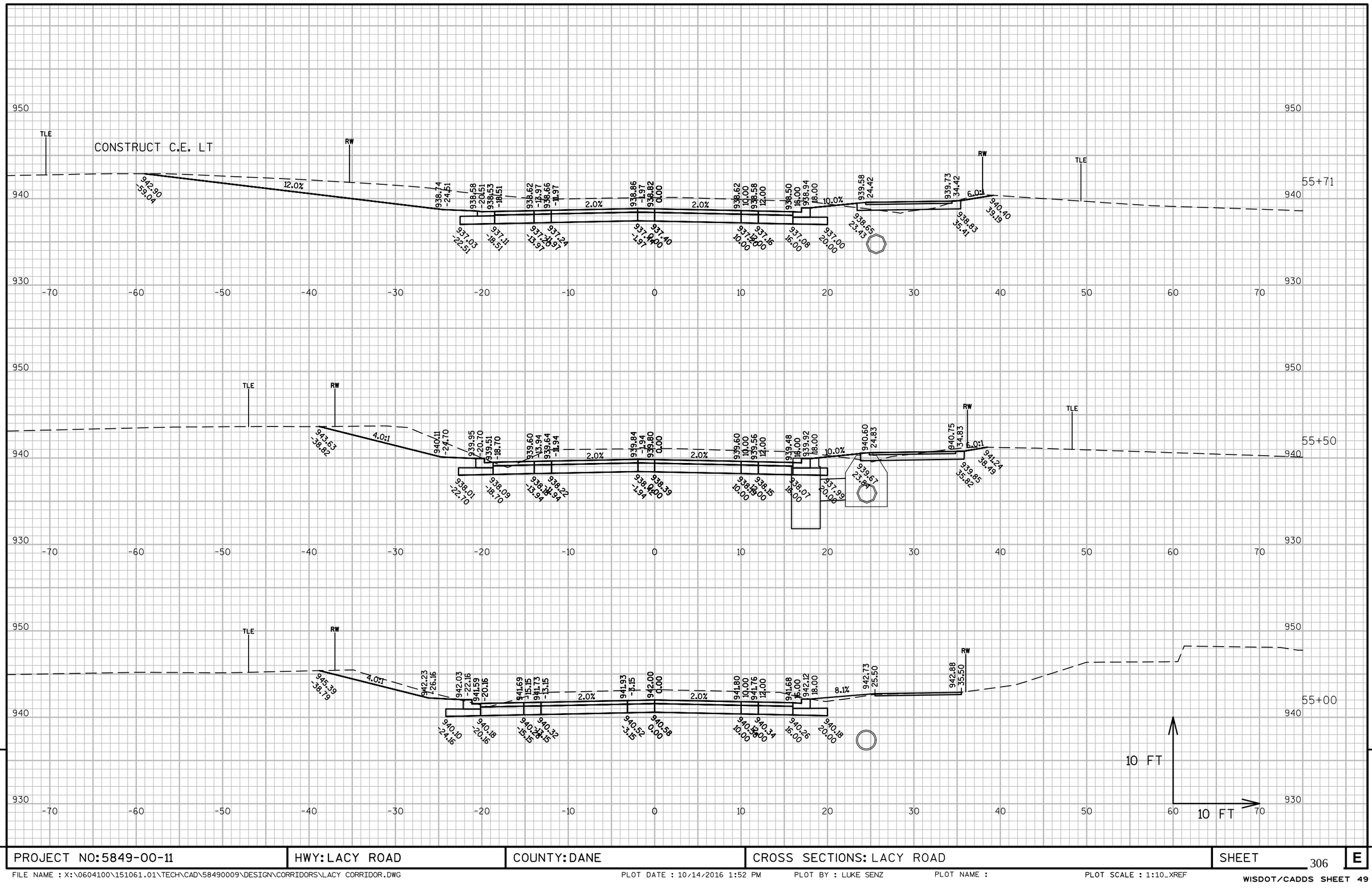
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:51 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 305	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:52 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

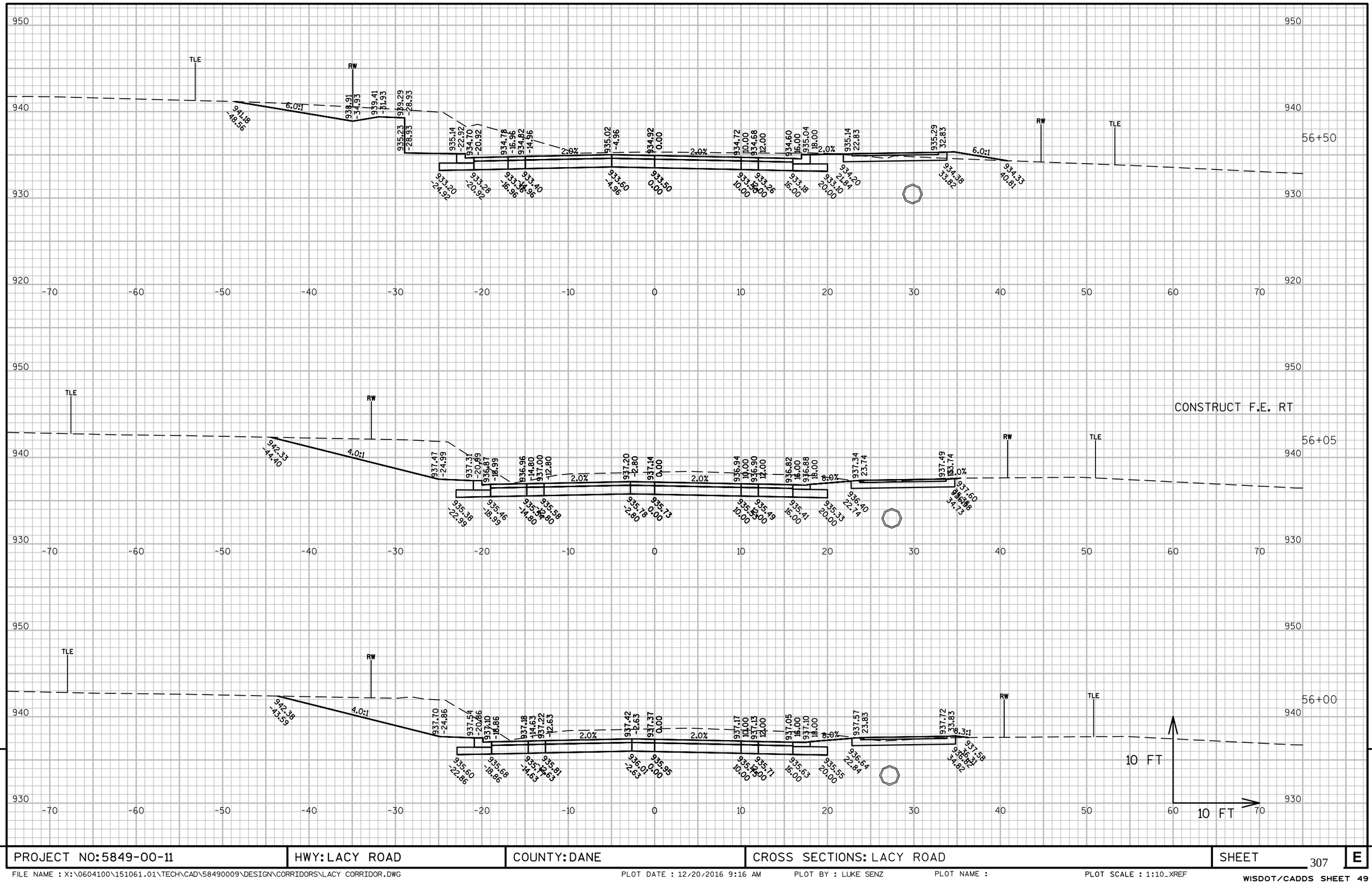
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 306	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:52 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

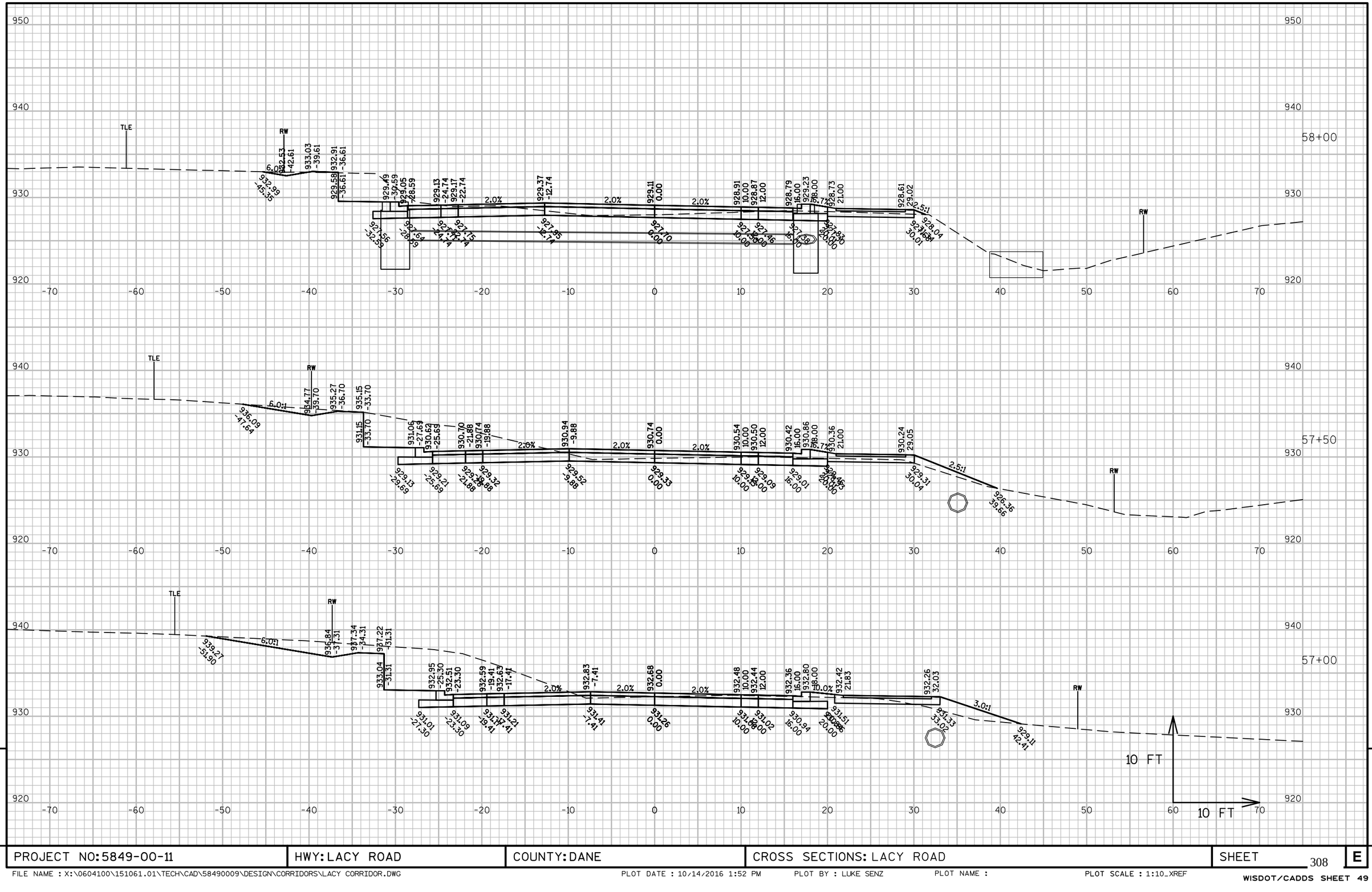
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 307	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 12/20/2016 9:16 AM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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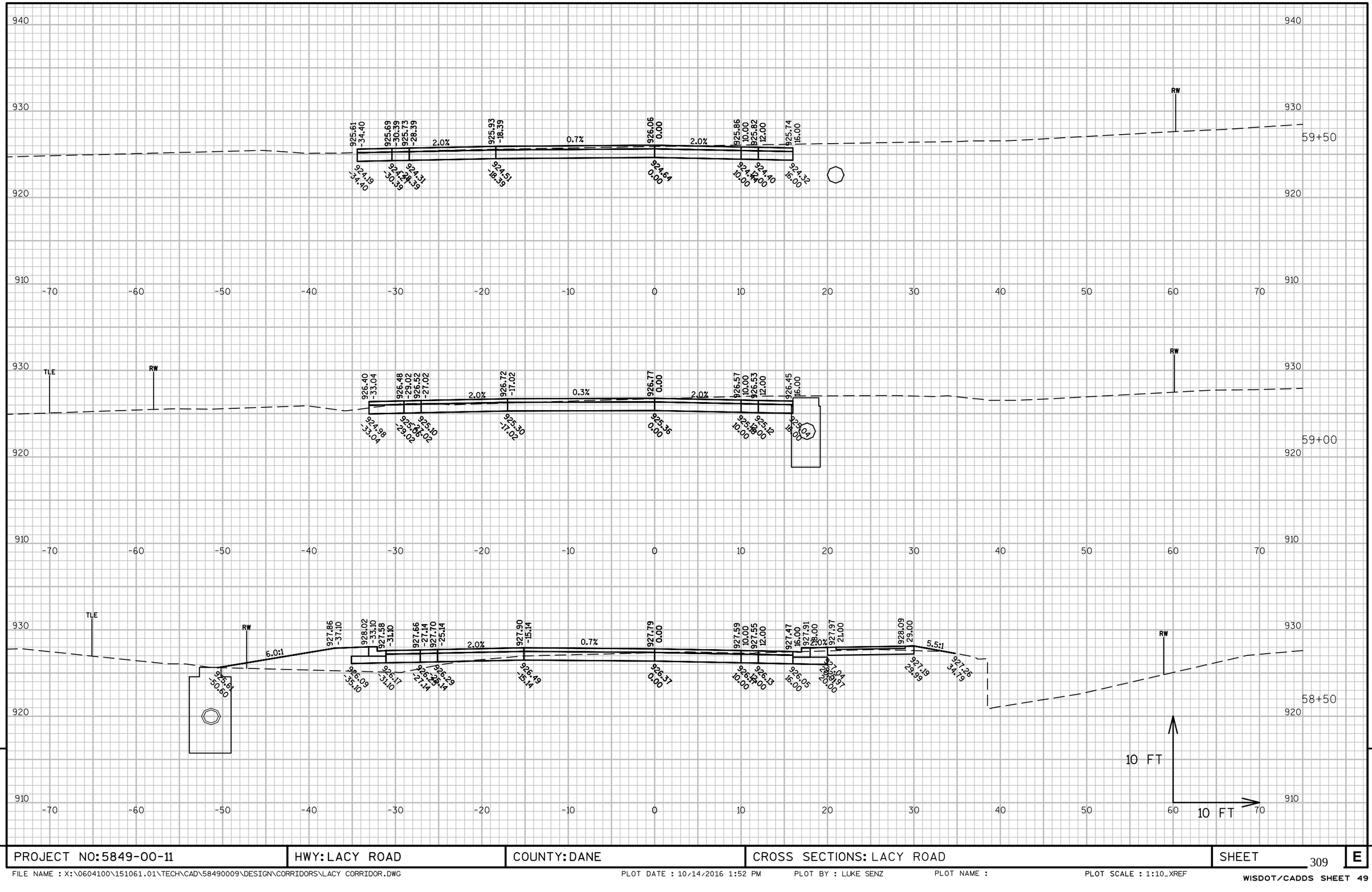
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 308	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:52 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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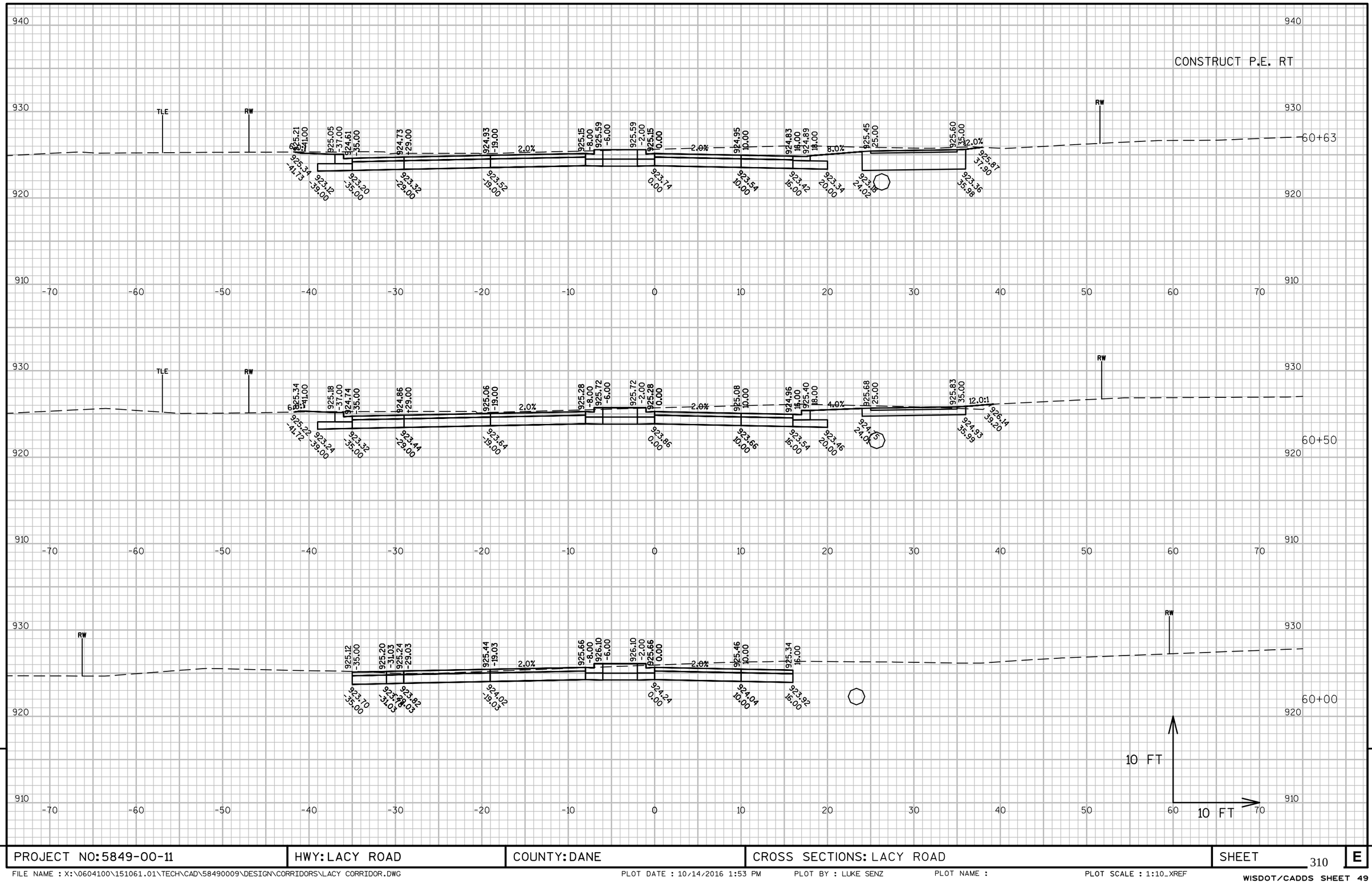
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 309	E

CONSTRUCT P.E. RT

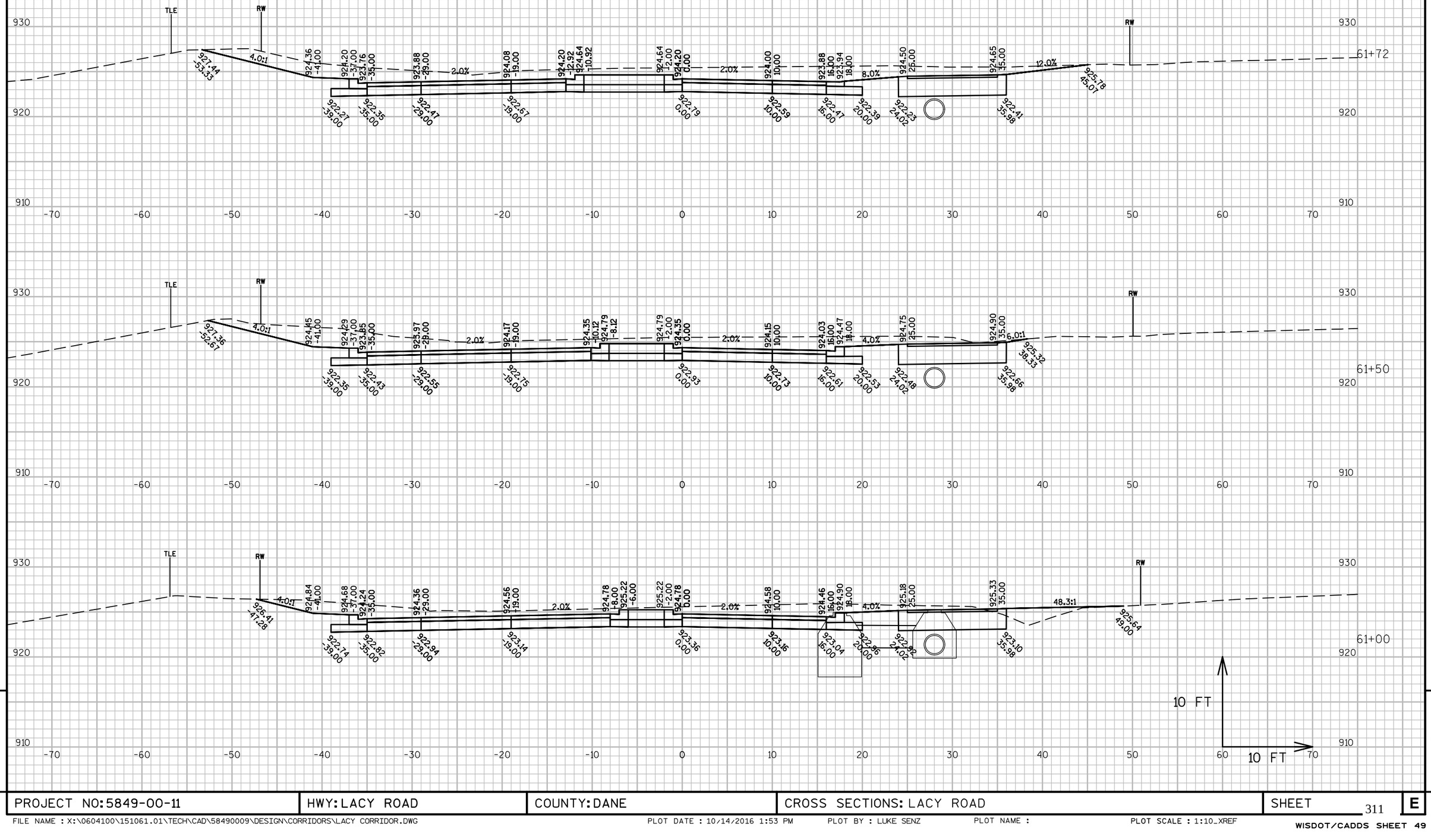


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 310	E

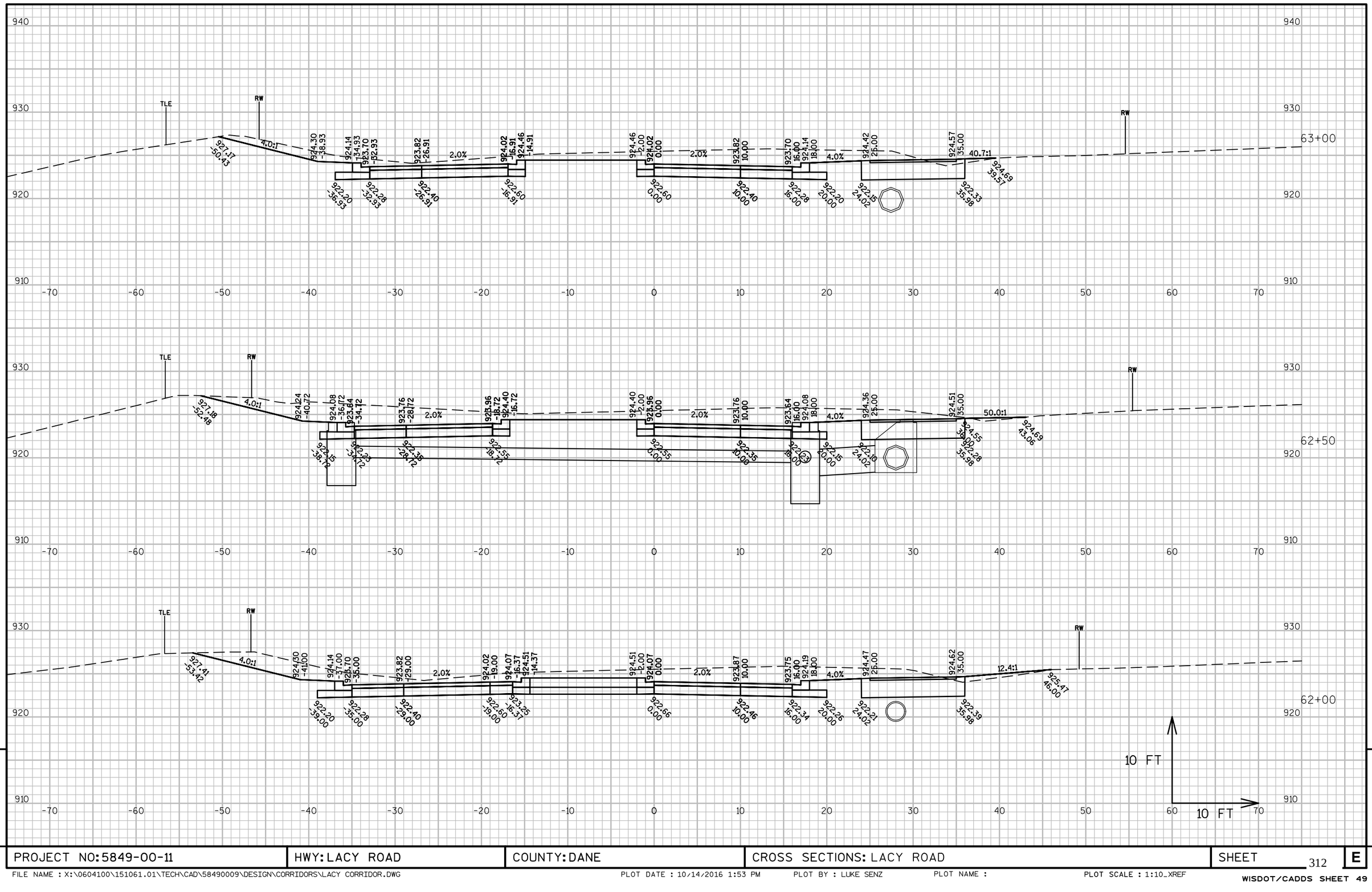
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:53 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

CONSTRUCT P.E. RT



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 311	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 312	E

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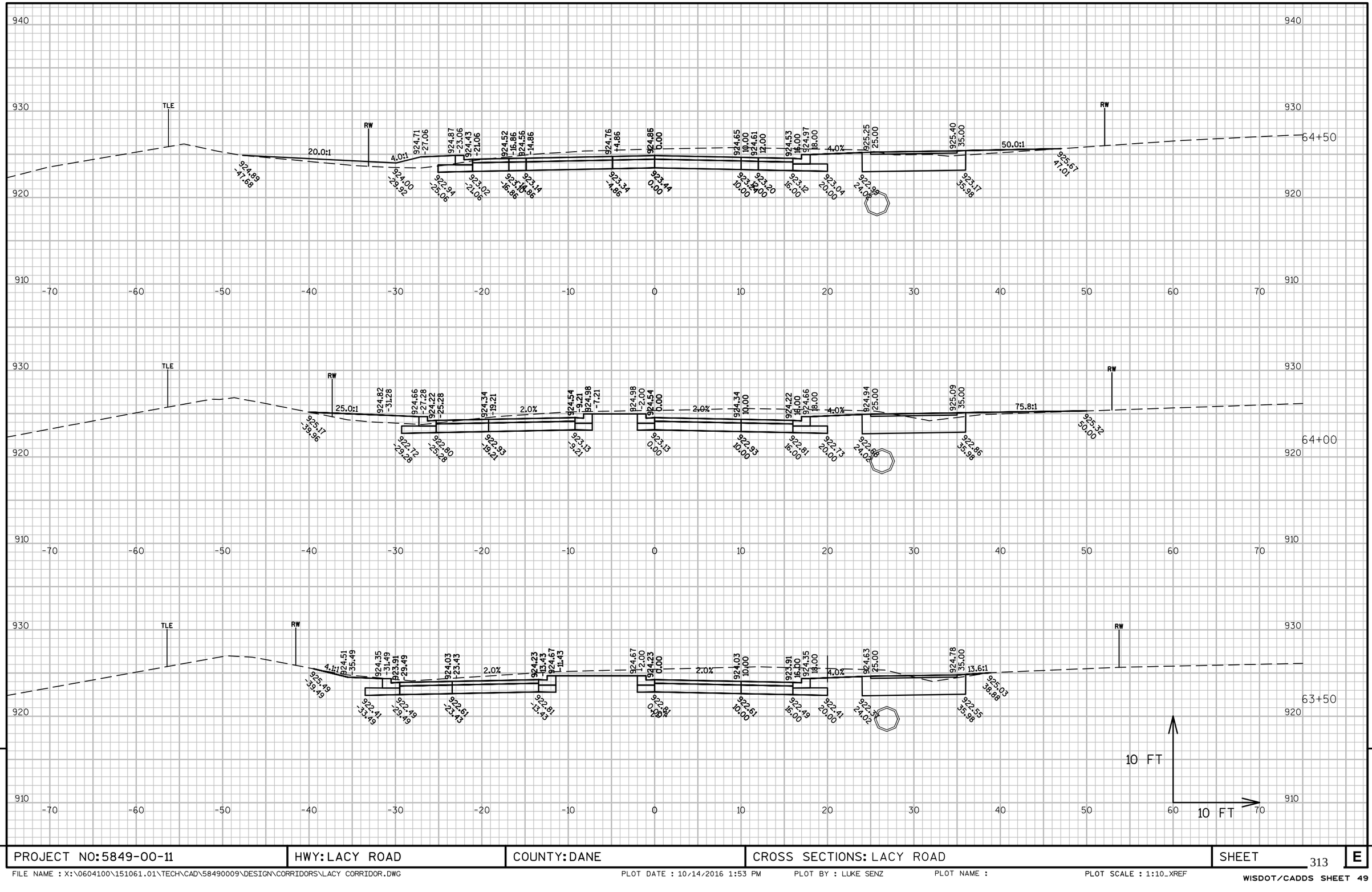
WISDOT/CADDS SHEET 49



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PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 313	E

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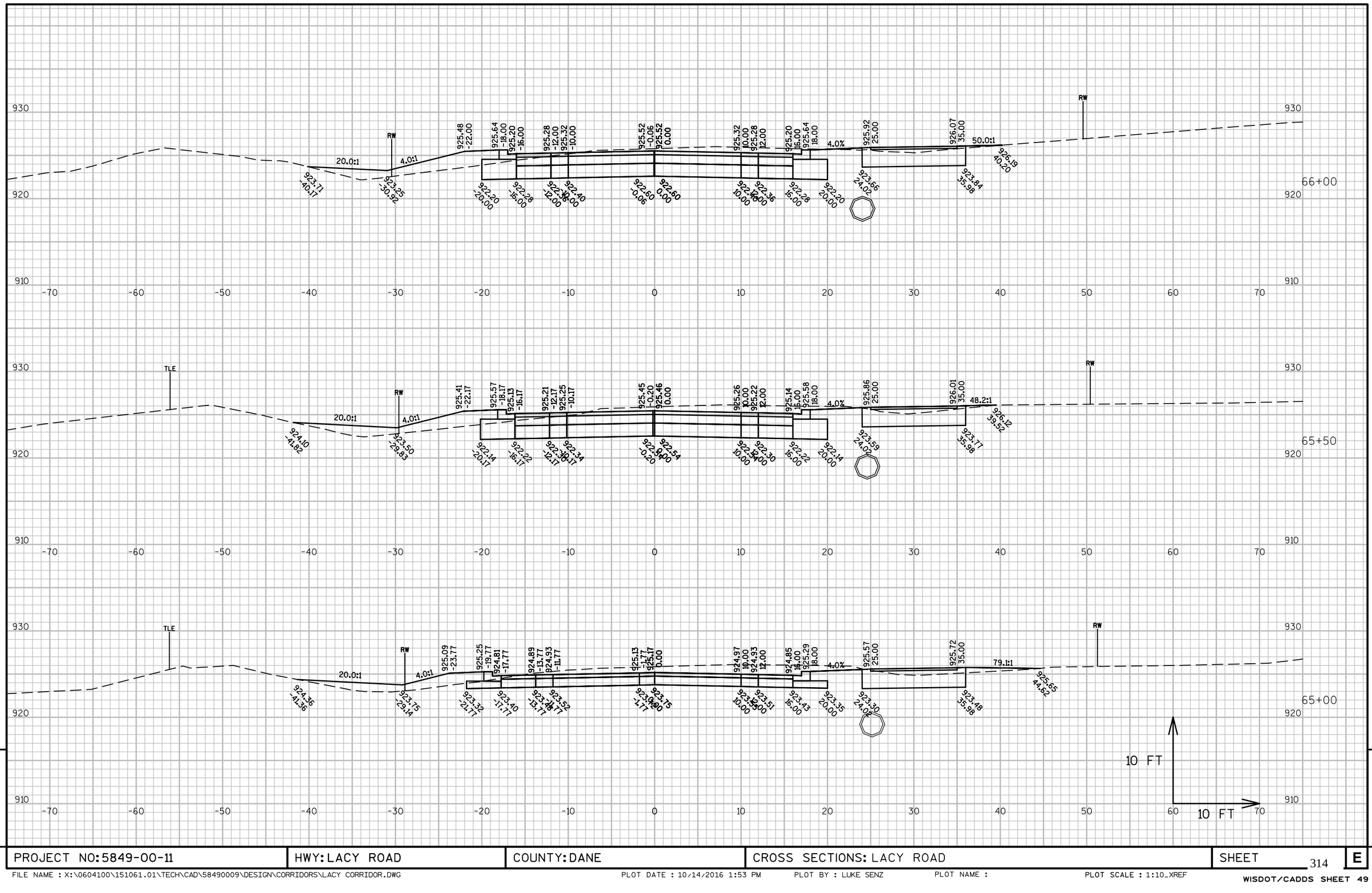
WISDOT/CADDS SHEET 49



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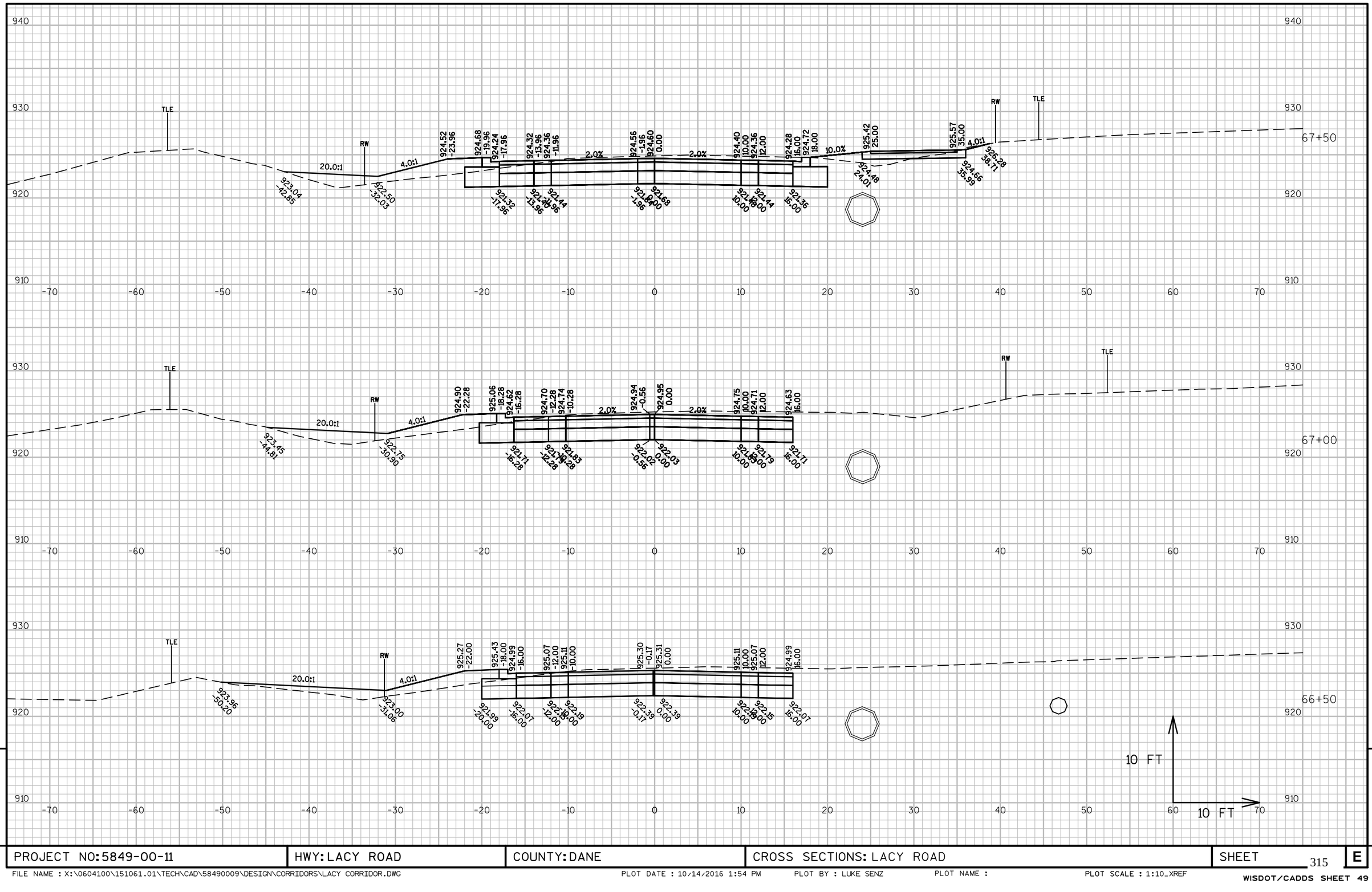
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 314	E

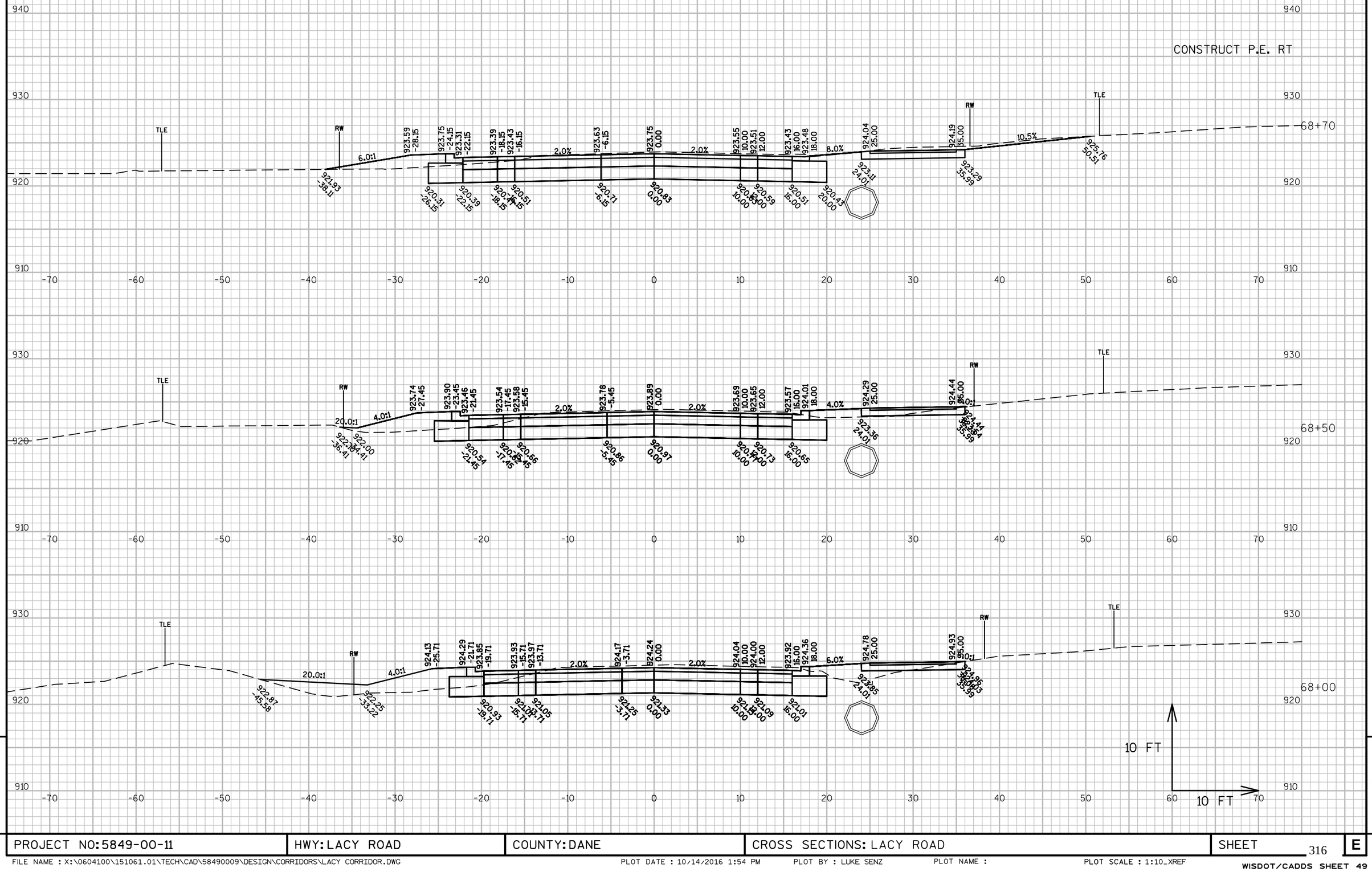
FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:53 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

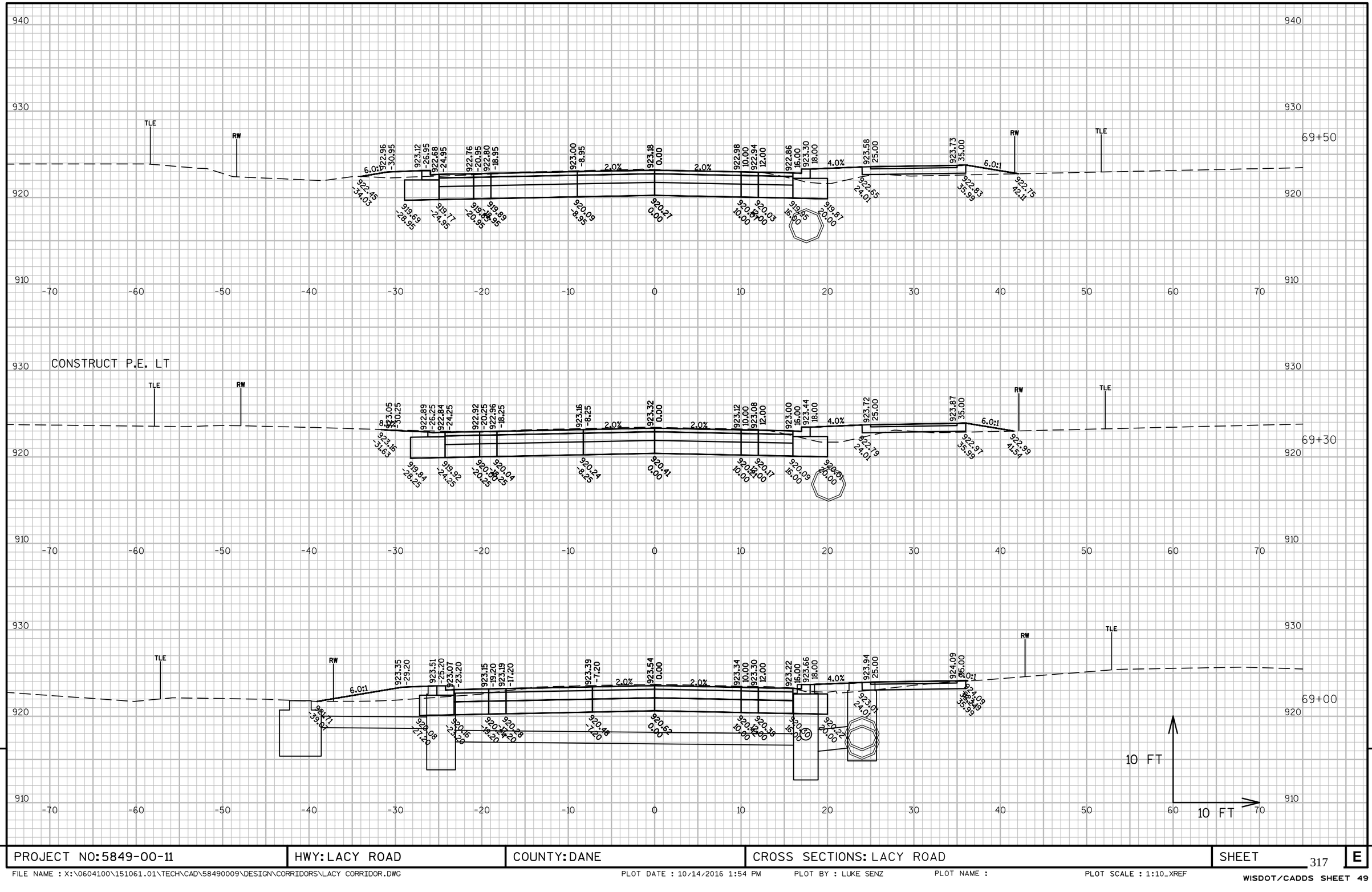


PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 315	E

CONSTRUCT P.E. RT



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 316	E



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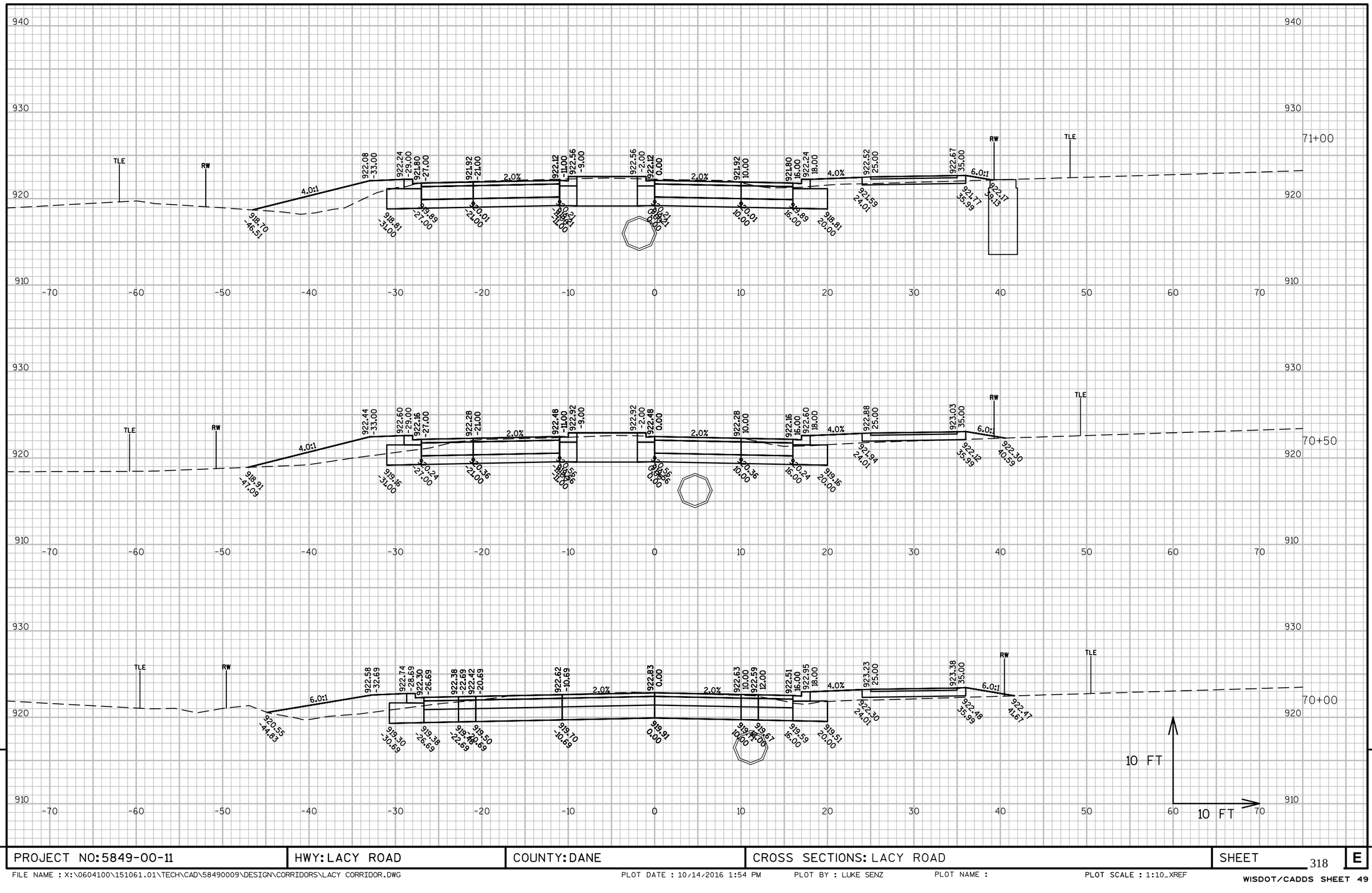
PROJECT NO:5849-00-11	HWY:LACY ROAD	COUNTY:DANE	CROSS SECTIONS:LACY ROAD	SHEET 317	E



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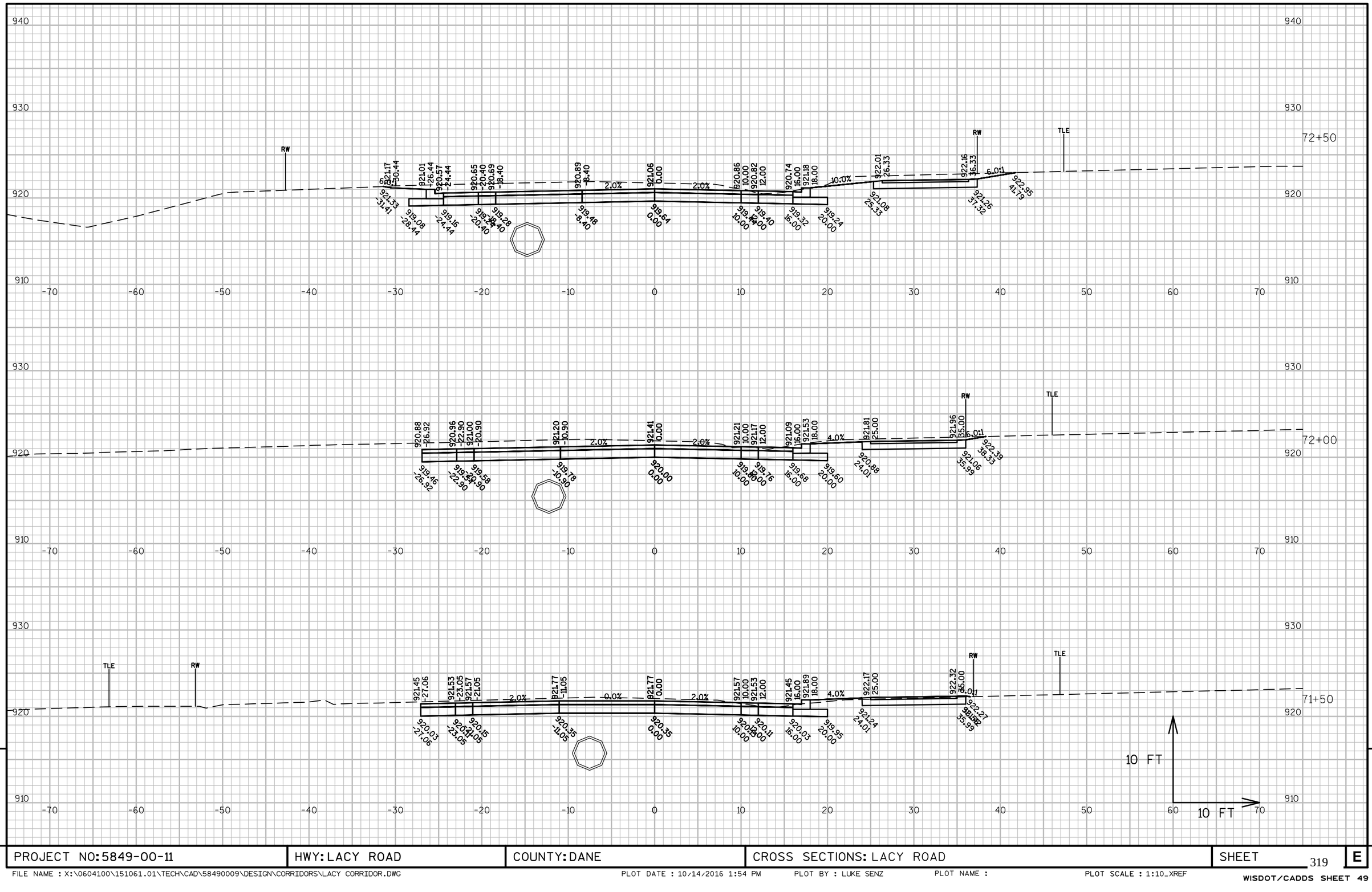
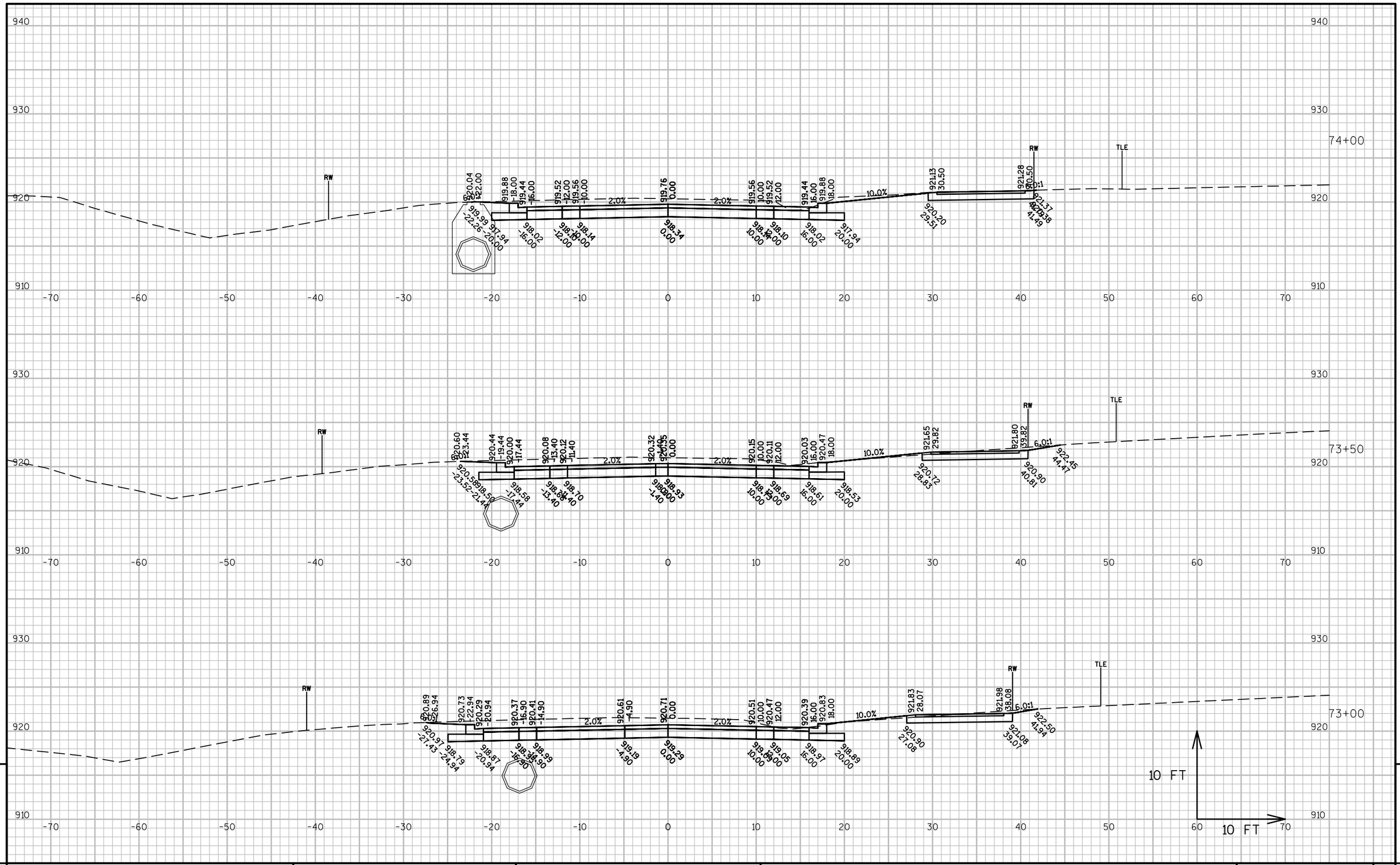
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 318	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 319	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:54 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

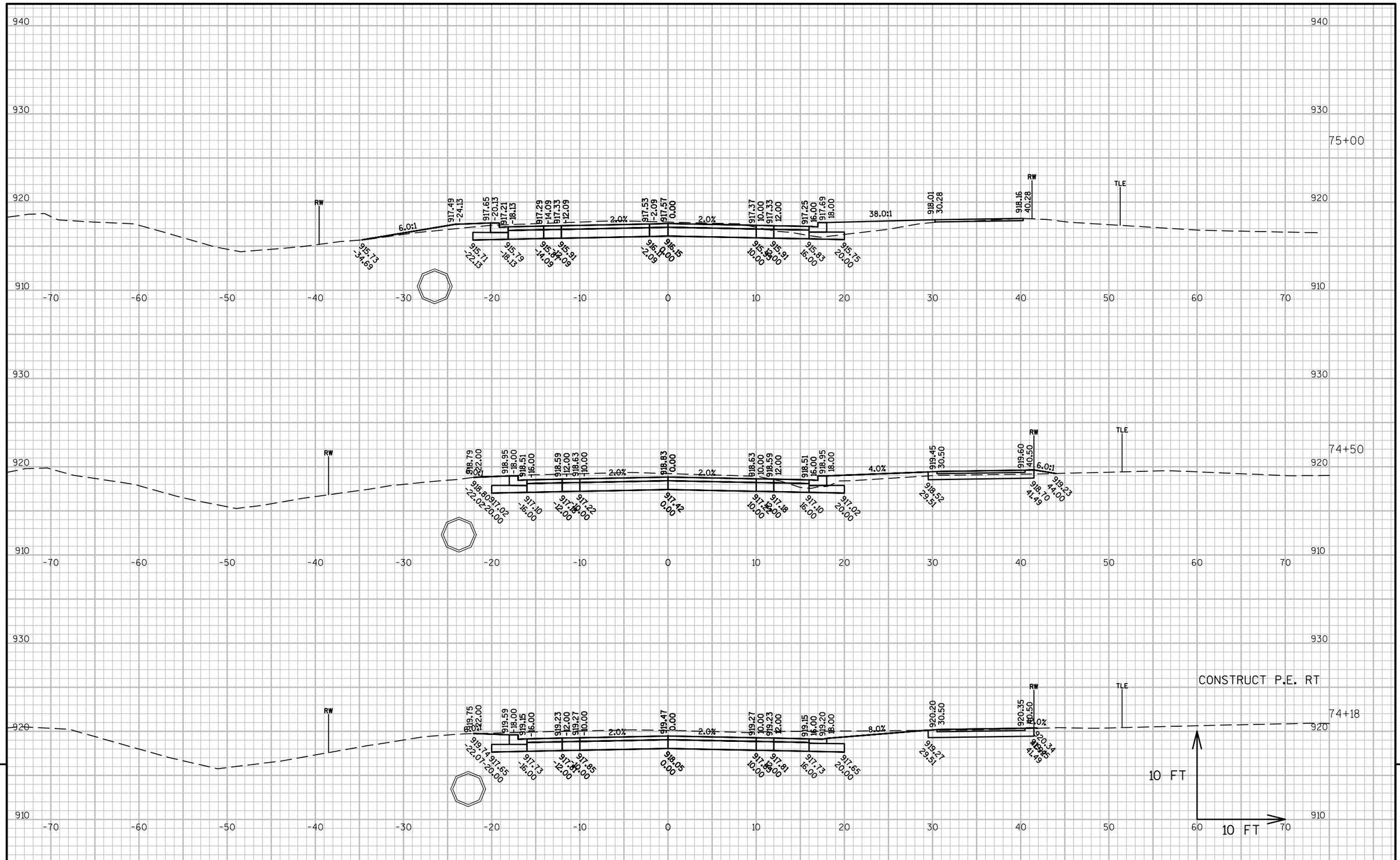
WISDOT/CADDS SHEET 49



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 320	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:55 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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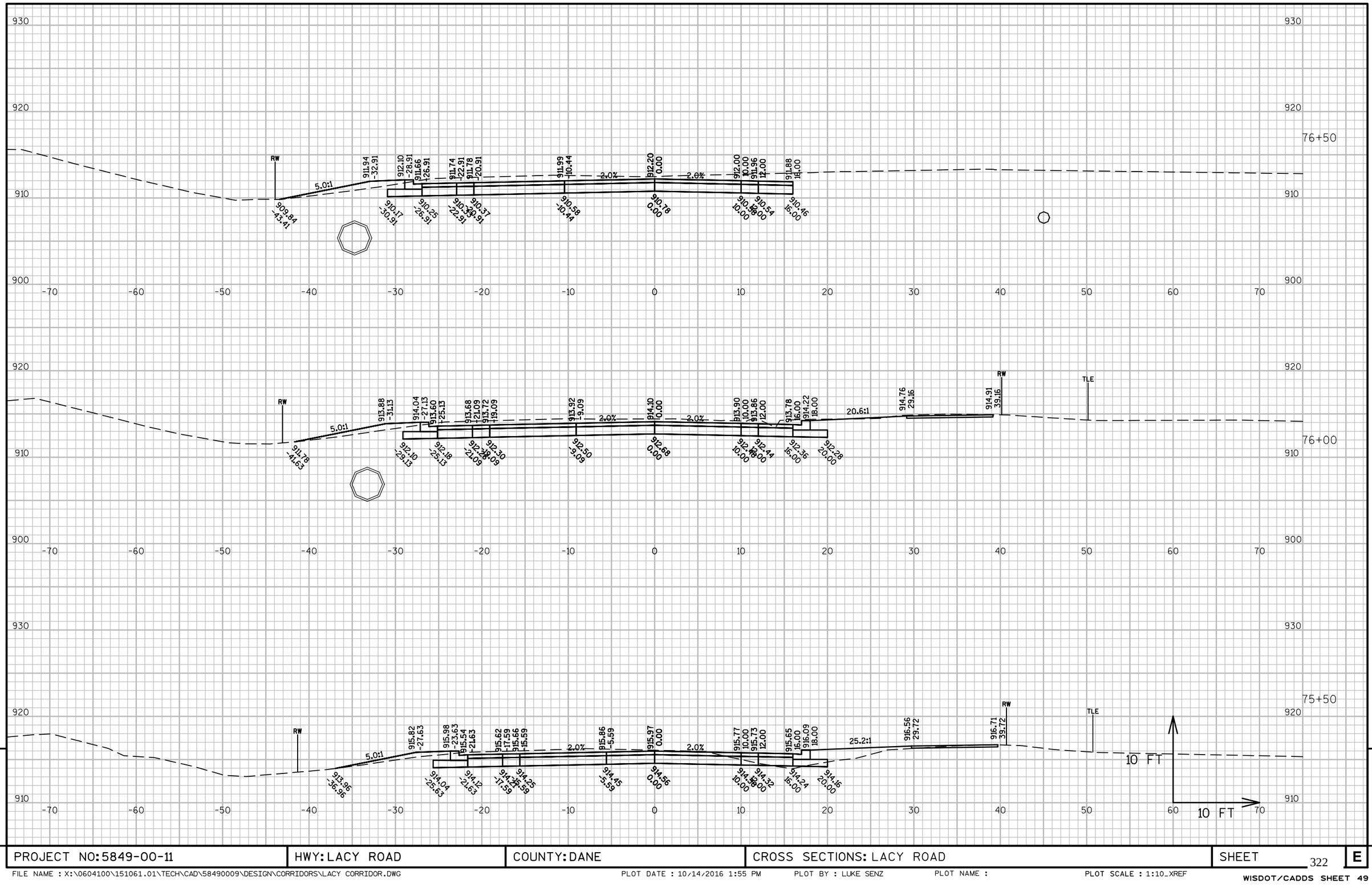
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 321	E



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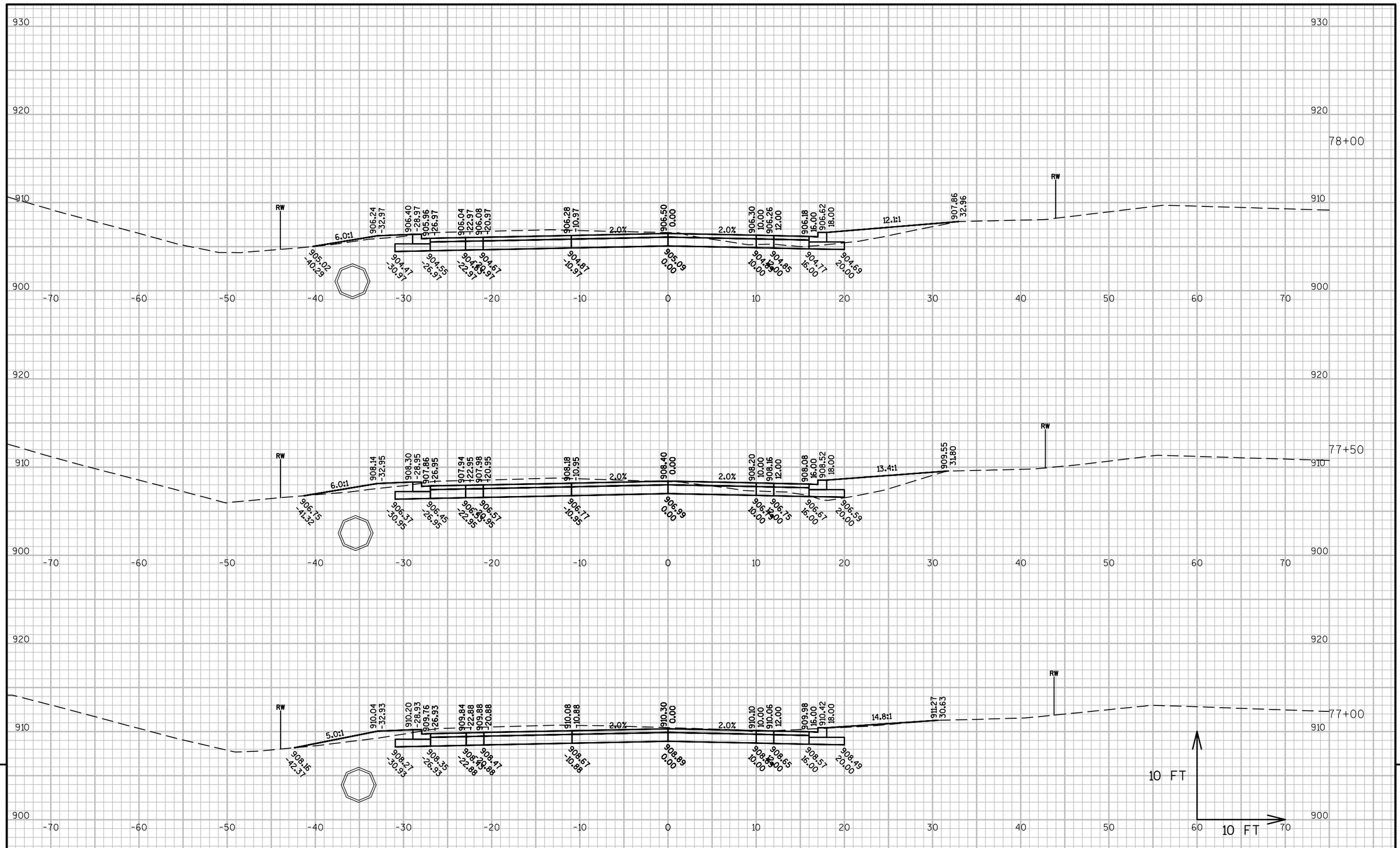
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 322	E



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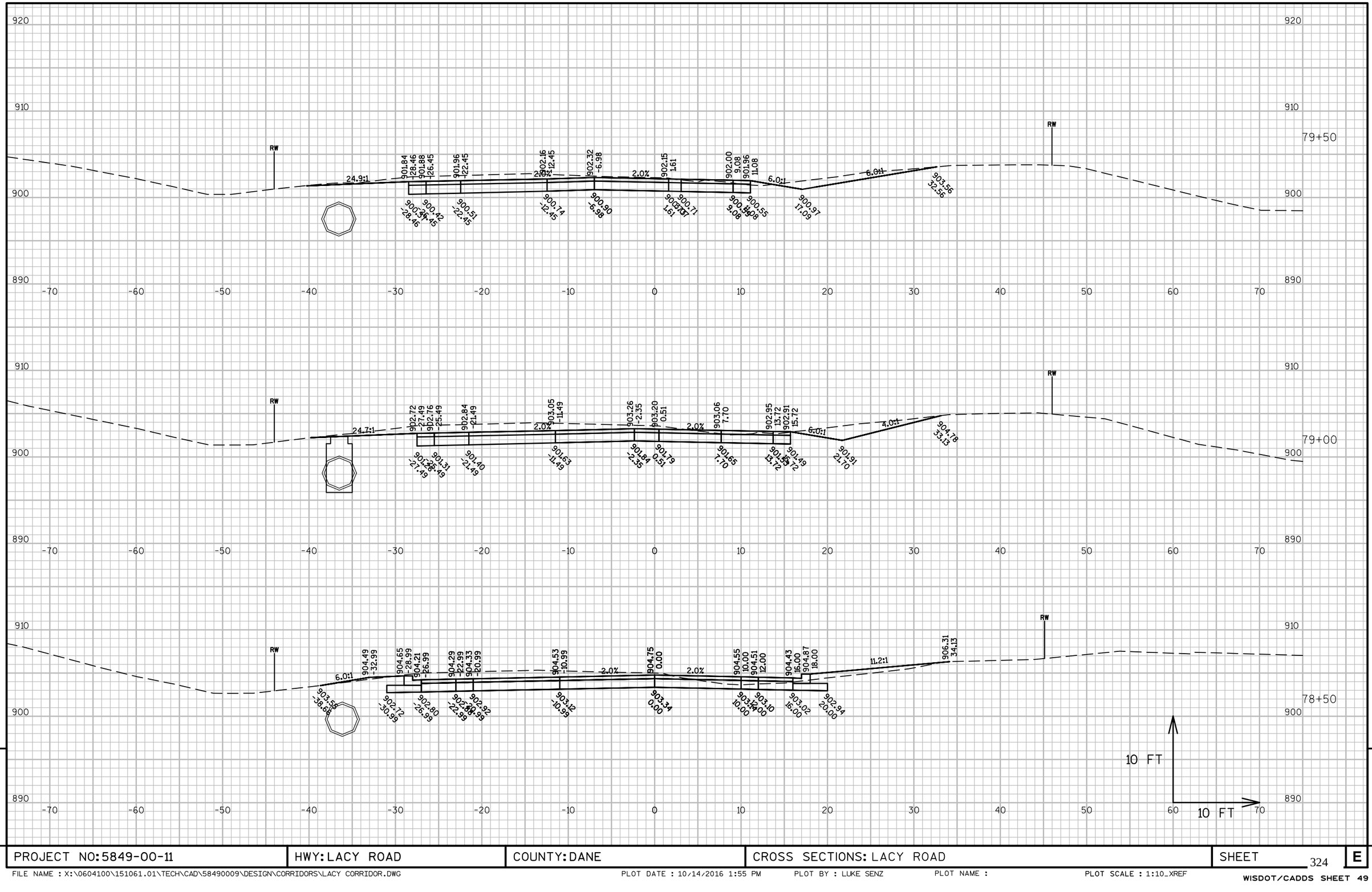
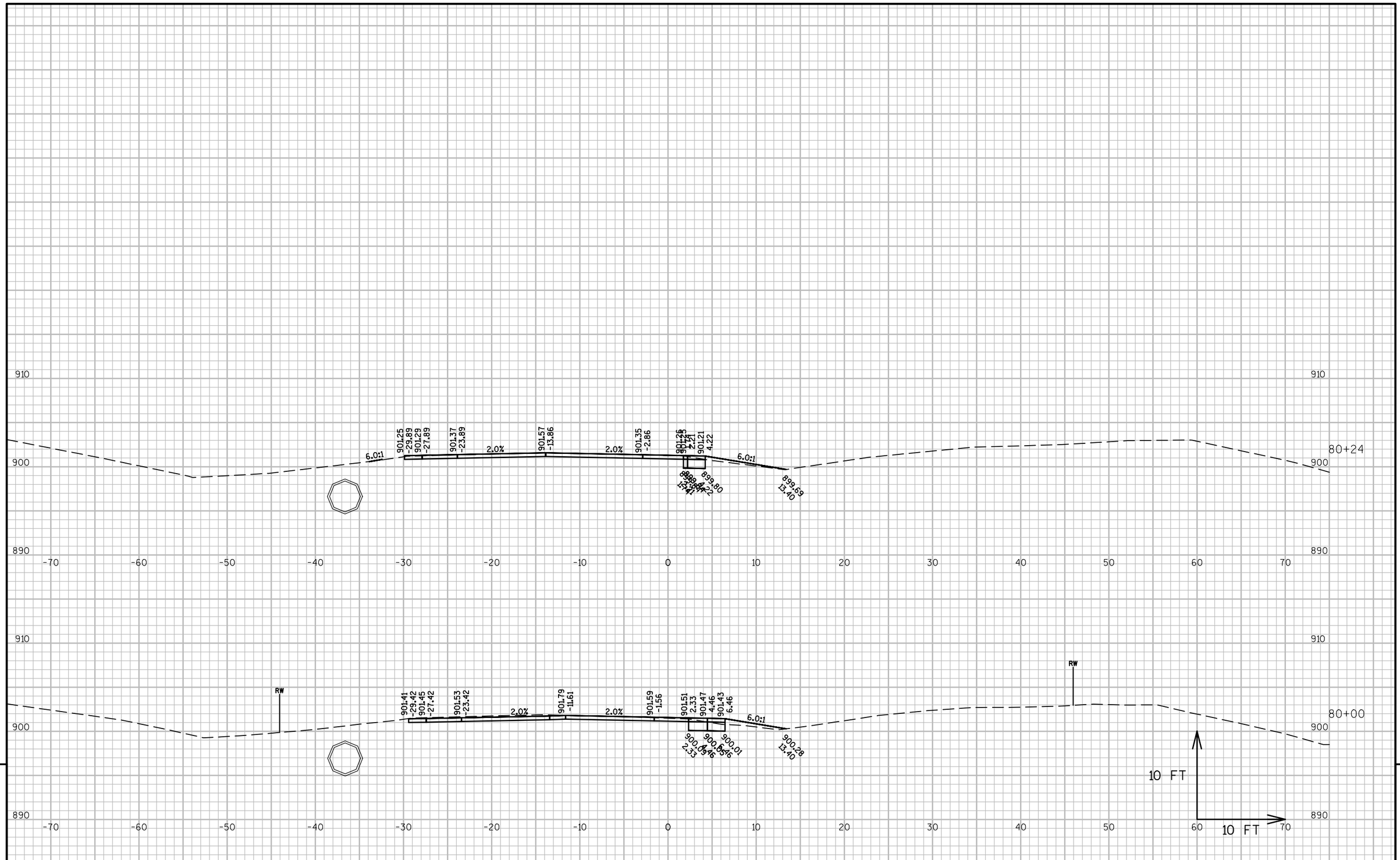
PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 323	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 324	E



PROJECT NO: 5849-00-11	HWY: LACY ROAD	COUNTY: DANE	CROSS SECTIONS: LACY ROAD	SHEET 325	E

FILE NAME : X:\0604100\151061.01\TECH\CAD\58490009\DESIGN\CORRIDORS\LACY CORRIDOR.DWG PLOT DATE : 10/14/2016 1:56 PM PLOT BY : LUKE SENZ PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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