PROJECT ID: 2788-00-72/2788-02-70

COUNTY: WAUKESHA

ORDER OF SHEETS

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

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WEST WAUKESHA BYPASS

SUMMIT AVE
TO NORTHVIEW RD
CTH TT
WAUKESHA COUNTY

STATE PROJECT NUMBER
2788-00-72

WAUKESHA BYPASS

INTERSECT SUMMIT AV
& MEADOWBROOK RD
USH 018
WAUKESHA COUNTY

STATE PROJECT NUMBER
2788-02-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2788-00-72		
2788-02-70		



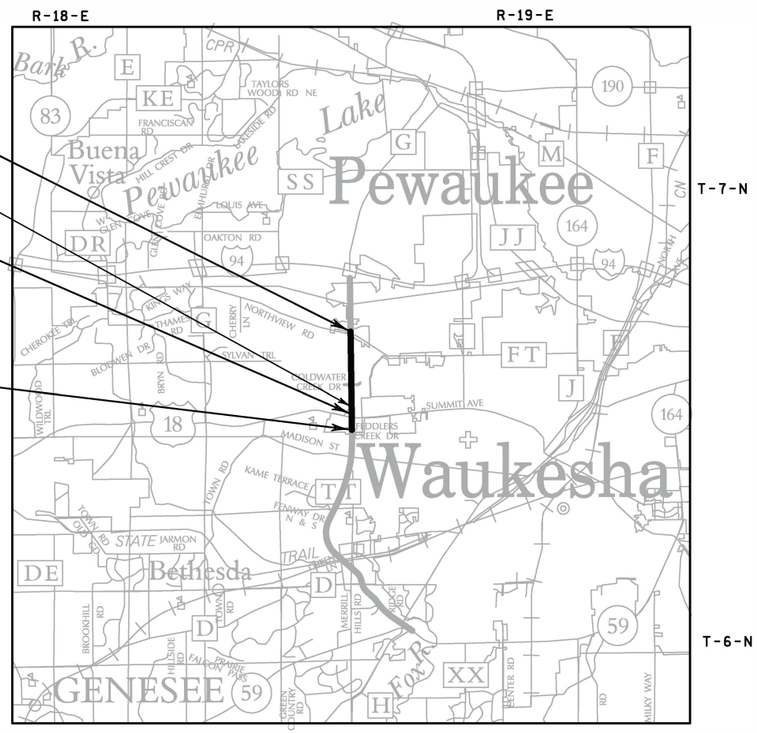
DESIGN DESIGNATION			MADISON ST TO SOUTH OF NORTHVIEW ROAD.	SOUTH OF NORTHVIEW ROAD TO I-94.
A.A.D.T.	2017	=	17200 - 19400	21200
A.A.D.T.	2037	=	22500 - 24900	26800
D.H.V.	2037	=	2520 - 2790	3000
D.D.		=	59/41	59/41
T.		=	8.3%	8.3%
DESIGN SPEED		=	50 mph	40 mph
ESALS		=	4100000	4400000

END PROJECT ID 2788-00-72
STA 342+31.74
X=668760.58
Y=170436.66

M-67-01

BEGIN PROJECT ID 2788-00-72
END PROJECT ID 2788-02-70
STA 284+74.64
X=668719.53
Y=164681.25

BEGIN PROJECT ID 2788-02-70
STA 273+75.00
X=668707.22
Y=163581.68



LAYOUT
SCALE 0 0.50 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.298 MI.

-COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY NAVD 83 (2007).
-ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (1991).

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ORIGINAL PLANS PREPARED BY
ch2m:
MILWAUKEE, WISCONSIN

WISCONSIN
KERRY C. MEYER
E-36986
MILWAUKEE, WI
PROFESSIONAL ENGINEER

8/1/2016 (Date) (Signature)

ACCEPTED FOR
COUNTY of WAUKESHA

8/1/2016 (Date) Gary M. Bruggink, PE. ENGINEERING SERVICES MANAGER

8/1/2016 (Date) Allison Bussler DIRECTOR OF PUBLIC WORKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOCIATES
Designer	CH2M HILL
Project Manager	DOUGLAS CAIN
Regional Examiner	WISDOT SE REGION
Regional Supervisor	BENEDICT ERUCHALU
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE 8-1-16 (Signature)

E

GENERAL NOTES

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

ALL PRIVATE EXISTING UTILITIES NOT INCLUDED IN THE PLAN ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED.

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

THE EARTHWORK YARDAGE WAS ESTIMATED BY EXPANDING THE FILL VOLUME. AN EXPANSION FACTOR OF 1.2 WAS USED.

THE LOCATION AND LIMITS OF EBS (EXCAVATION BELOW SUBGRADE), IF REQUIRED, WILL BE DETERMINED BY THE ENGINEER. SUCH EBS SHALL NOT BE USED TO BALANCE YARDAGE.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN THE FLOODPLAIN OR WETLAND AREAS.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL OR SALVAGED TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE PLACED A MINIMUM OF 6 INCHES IN DEPTH.

TOPSOIL OR SALVAGED TOPSOIL SHALL NOT BE PLACED ON SUBGRADE UNTIL APPROVED BY ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED BY DIRECTION OF THE ENGINEER WITH THE FOLLOWING FINISHING ITEMS UNLESS SHOWN OTHERWISE ELSEWHERE IN THE PLAN: SALVAGED TOPSOIL, SEED, FERTILIZER, AND EMAT. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING (5) FEET BEYOND THE SLOPE INTERCEPT SHOWN ON THE PLANS. RE TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREA. SEED, FERTILIZED AND EROSION MAT TOPSOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL DEVICES WILL BE PLACED IN SEQUENCE WITH CONSTRUCTION ACTIVITIES AS DETERMINED BY THE ENGINEER.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

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

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, IT IS THE CONTRACTOR RESPONSIBILITY TO VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN.

TEMPORARY SHORING METHODS AND/OR MATERIALS, AS DETERMINED BY THE CONTRACTOR, DEEMED NECESSARY TO COMPLETE ALL STAGES AND CONNECTIONS OF STORM SEWER OR PIPE CULVERTS IS CONSIDERED INCIDENTAL TO THE ASSOCIATED BIB ITEM WORK BEING PERFORMED. MAINTAIN THE INTEGRITY OF WORK COMPLETED IN PREVIOUS STAGES AND ANY PORTION OF EXISTING ROADWAY CARRYING STAGED TRAFFIC DURING THE PROJECT.

EXISTING INLET AND MANHOLE COVERS THAT ARE NOT REQUIRED TO BE REUSED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE RESPECTIVE MUNICIPALITY.

CURB HEIGHTS AT THE END OF CURB AND GUTTER WILL BE TAPERED FROM 0 TO 6 INCHES OVER 10 FEET. CHANGES IN CURB TYPE SHALL TRANSITION OVER 10 FEET.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE LINE. CURB AND GUTTER RADII ARE MEASURED TO THE FACE.

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

CONCRETE DRIVEWAY REMOVAL WILL BE PAID FOR AS REMOVING PAVEMENT.

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

A SAWED JOINT IS REQUIRED WHERE NEW ASPHALTIC CONCRETE SURFACE MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SIGNS TO BE MOVED SHALL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE RE-INSTALLED.

CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND SEWRPC (JOHN WASHBURN) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

ASPHALTIC PAVEMENT WILL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

5 1/2-INCH HMA PAVEMENT
2-INCH UPPER LAYER, HMA PAVEMENT 4 MT 58-28 S
3 1/2-INCH LOWER LAYER, HMA PAVEMENT 3 MT 58-28 S

5-INCH HMA PAVEMENT
2-INCH UPPER LAYER, HMA PAVEMENT 4 MT 58-28 S
3-INCH LOWER LAYER, HMA PAVEMENT 3 MT 58-28 S

4-INCH HMA PAVEMENT
4-INCH SINGLE LAYER, HMA PAVEMENT 4 LT 58-28 S

5-INCH ASPHALTIC SURFACE TEMPORARY
5-INCH LAYER

5-INCH ASPHALTIC SURFACE
5-INCH LAYER

3-INCH ASPHALTIC SURFACE
3-INCH LAYER

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR CITY OF WAUKESHA SANITARY SEWER AND LIGHTING PROVIDED BY CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR CITY OF PEWAUKEE SANITARY SEWER PROVIDED BY CITY OF PEWAUKEE DEPARTMENT OF PUBLIC WORKS.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR WATERMAIN RELOCATION WORK PROVIDED BY WAUKESHA WATER UTILITY.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR PONDS, EROSION CONTROL, AND STORM SEWER PROVIDED BY GREMMER & ASSOCIATES.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR PERMANENT AND TEMPORARY SIGNALS PROVIDED BY GRAEF.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR ALL REMAINING ITEMS PROVIDED BY CH2M HILL, INC.

2

UTILITY CONTACTS

WE ENERGIES - GAS & ELECTRIC
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CITY OF WAUKESHA WATER UTILITY
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jwashburn@sewrpc.org

DESIGN CONTACTS

PROJECT ID 2788-00-70

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PROJECT ID 2788-02-70

WISDOT
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douglas.cain@dot.wi.gov

2

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

STANDARD ABBREVIATIONS

<	ANGLE
ADT	AVERAGE DAILY TRAFFIC
AC	ACRE
AE, AEW	APRON ENDWALL
AGG	AGGREGATE
AH	AHEAD
ASPH	ASPHALTIC
BC	BACK OF CURB
BF	BACK FACE
BIT	EXISTING BITUMINOUS
BM	BENCH MARK
BEG	BEGIN
BK	BACK
C & G	CURB AND GUTTER
CABC	CRUSHED AGGREGATE BASE COURSE
CB	CATCH BASIN
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
CP	CULVERT PIPE
CY	CUBIC YARD
CL OR C/L	CENTER LINE
CO	COUNTY
CONC	CONCRETE
CONST	CONSTRUCTION
CR	CREEK
CTH	COUNTY TRUNK HIGHWAY
CWT	HUNDRED WEIGHT
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DISCH	DISCHARGE
E	EAST
EA	EACH
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EL, ELEV	ELEVATION
ELEC	ELECTRIC(AL), ELEC CABLE
EMB	EMBANKMENT
ESALS	EQUIVALENT SINGLE AXEL LOADS
ESMT	EASEMENT
EW	ENDWALL
EXC	EXCAVATION
EXIST	EXISTING BITUMINOUS
EXP	EXPANSION
FC	FACE OF CURB
FE	FIELD ENTRANCE
FF	FACE TO FACE
F/L, FL	FLOW LINE
FERT	FERTILIZER
FHWA	FEDERAL HIGHWAY
FT	FOOT (FEET)
G	GAS
GN	GRID NORTH
H	HOUSE
HP	HIGH POINT
HR	HANDICAP RAMP
HYD	HYDRANT
I	INTERSECTION ANGLE
ID	INSIDE DIAMETER
INL	INLET
INTER	INTERSECTION
INV	INVERT
IP	IRON PIPE
JT	JOINT
K	RATE OF VERTICAL CURVATURE
L	LENGTH OF CURVE
LB	POUND
LC	LONG CHORD OF CURVE
LP	LOW POINT
LF	LINEAR FOOT(FEET)
LHF	LEFT HAND FORWARD
LC	LONG CHORD
LS	LUMP SUM
LT	LEFT
M	MARSH
MATL	MATERIAL
MP	MARKER POST
MAX	MAXIMUM
MGAL	1000 GALLONS
MH	MANHOLE
MIN	MINIMUM
ML OR M/L	MATCH LINE
N	NORTH
NB	NORTHBOUND
NC	NORMAL CROWN OR NO CHANGE
NO	NUMBER
NW OR N/W	NORMAL WATER
OBLIT	OBLITERATE
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PRC	POINT OF REVERSE CURVE
PROJ	PROJECT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PT	POINT OF TANGENCY
PAV'T	PAVEMENT
PCC	PORTLAND CEMENT CONCRETE
R	RADIUS OR RANGE
RCCP	REINFORCED CONCRETE CULVERT PIPE
RCHECP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
RHF	RIGHT HAND FORWARD
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RD	ROAD
RDWY	ROADWAY
REL	RELOCATE
REM	REMAINING
REQD	REQUIRED
RT	RIGHT
RW	RETAINING WALL
S	SOUTH
SALV	SALVAGED
SAN	SANITARY
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPERELEVATION
SEC	SECTION
SF	SQUARE FOOT (FEET)
S/L	SURVEY LINE
SHLDR	SHOULDER(S)
SHR	SHRINKAGE
SPECS	SPECIFICATIONS
SS	STORM SEWER
STA	STATION
STH	STATE TRUNK HIGHWAY
STR	STRUCTURE
SW	SIDEWALK
SY	SQUARE YARD
TAN	TANGENT
TEL	TELEPHONE
T	(TRUCKS) PERCENT OF
TC	TOP OF CURB
TAN	TANGENT
TEMP	TEMPORARY
TL OR T/L	TRANSIT LINE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
UG	UNDERGROUND (CABLE)
UNCL	UNCLASSIFIED
VAR	VARIABLE
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVE
VPT	VERTICAL POINT OF TANGENCY
VLV	VALVE
VOL	VOLUME
W	WEST
WB	WESTBOUND
WV	WATER VALVE
X	EASTING OR EAST GRID COORDINATE
Y	NORTHING OR NORTH GRID COORDINATE
YD	YARD

ROADWAY NAME ABBREVIATIONS

WB	WAUKESHA BYPASS
FC	FIDDLERS CREEK DRIVE
US	USH 18/SUMMIT AVENUE
DWY	MEADOWBROOK SHOPPING CENTER/GAS STATION DRIVEWAYS OFF OF WAUKESHA BYPASS
CC	COLDWATER CREEK DRIVE
NV	NORTHVIEW ROAD
TU	TURNBERRY OAK DRIVE
TO	TORHORST ROAD

DESIGN INDEX

TITLE
GEN. NOTES, UTILITIES AND STANDARD
ABBREVIATIONS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLANS
SIGNING & PAVEMENT MARKING
LIGHTING PLAN
TRAFFIC SIGNALS
TRAFFIC CONTROL AND CONSTRUCTION STAGING
DETOUR ROUTES
ALIGNMENT PLAN

2

N

R/L MERRILL HILLS CT

PEBBLE CREEK TRIBUTARIES

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

R/L MADISON ST

MADISON ST

BEGIN CONSTRUCTION
STA 264+65.71

R/L KISDON HILL DR

KISDON HILL DR

ULTIMATE WAUKESHA BYPASS SOUTH OF STA 273+75.00 WILL BE CONSTRUCTED UNDER PROJECT ID 2788-00-71 AT A LATER DATE

BEGIN PROJECT
ID 2788-02-70
STA 273+75.00

FIDDLERS CREEK DR

R/L FIDDLERS CREEK DR

CTH TT
(MERRILL HILLS RD)

END CONSTRUCTION
STA 51+53.00

BEGIN CONSTRUCTION
STA 8+75.00

SUMMIT AVE

END CONSTRUCTION
STA 62+33.94

BEGIN CONSTRUCTION
STA 8+87.15

BEGIN CONSTRUCTION
STA 48+42.00

USH 18

R/L USH 18

BEGIN CONSTRUCTION
STA 38+50.00

TURNBERRY
OAK DR

END CONSTRUCTION
STA 11+90.00

TORHORST RD

PEBBLE CREEK

BEGIN CONSTRUCTION
STA 48+25.00

M-67-01

WAUKESHA BYPASS

CTH TT
(MEADOWBROOK RD)

END CONSTRUCTION
STA 51+50.00

END PROJECT
ID 2788-02-70
BEGIN PROJECT
ID 2788-00-72
STA 284+74.64

END CONSTRUCTION
STA 11+38.86

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E

2

N

COLDWATER CREEK DR

45+00

BEGIN CONSTRUCTION
STA 48+00.00

R/L COLDWATER CREEK DR

295+00

300+00

305+00

310+00

315+00

320+00

WAUKESHA BYPASS

345+00

330+00

CTH TT
(MEADOWBROOK RD)

335+00

340+00

R/L WAUKESHA BYPASS

END CONSTRUCTION
STA 52+75.00

55+00

POND

BEGIN CONSTRUCTION
STA 44+50.00

45+00

END PROJECT
ID 2788-00-72
BEGIN CITY OF
WAUKESHA PROJECT
(BY OTHERS)
STA 342+31.74

JOANNE DR

R/L JOANNE DR

345+00

350+00

355+00

50+00

R/L LANCASTER DR

10+00

END
CONSTRUCTION
STA 12+00.00

R/L DRIVEWAY

55+00

R/L NORTHVIEW RD

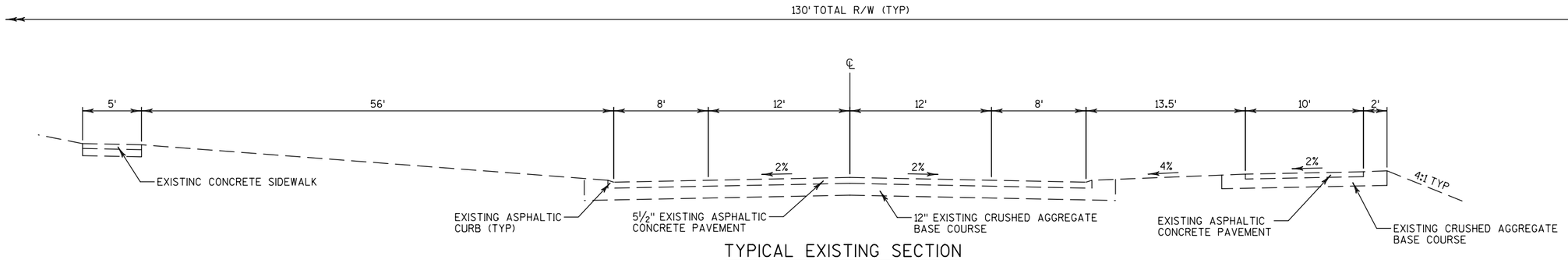
END CONSTRUCTION
STA 56+65.00

60+00

NORTHVIEW RD

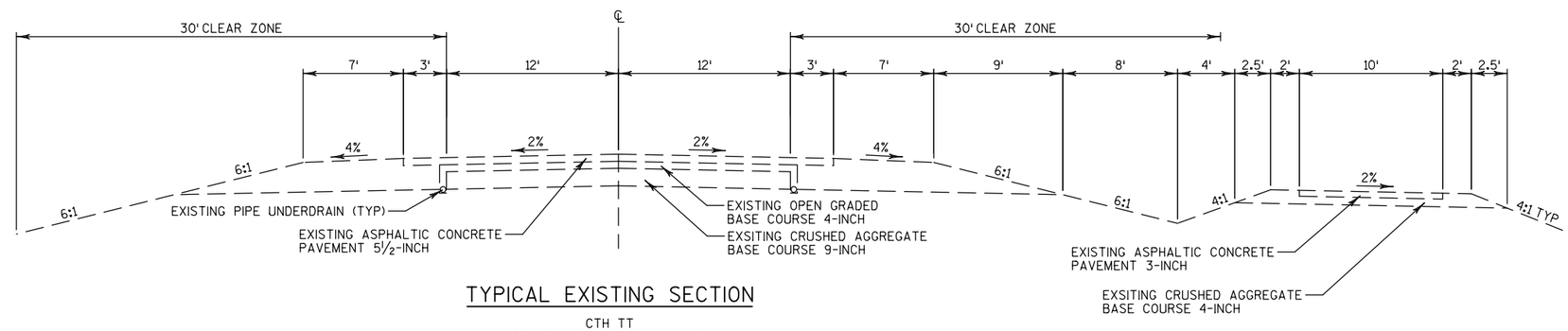
LANCASTER DR

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E



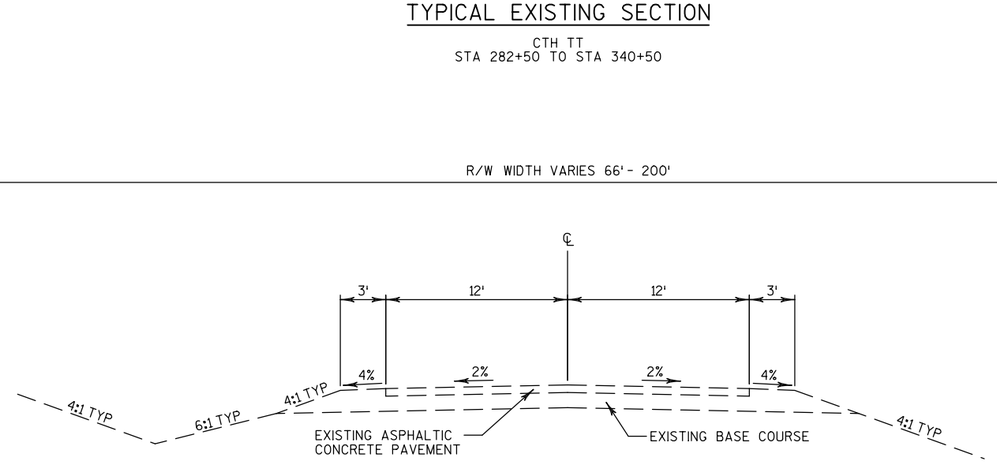
TYPICAL EXISTING SECTION

CTH TT
STA 340+50 TO STA 342+31.74



TYPICAL EXISTING SECTION

CTH TT
STA 282+50 TO STA 340+50

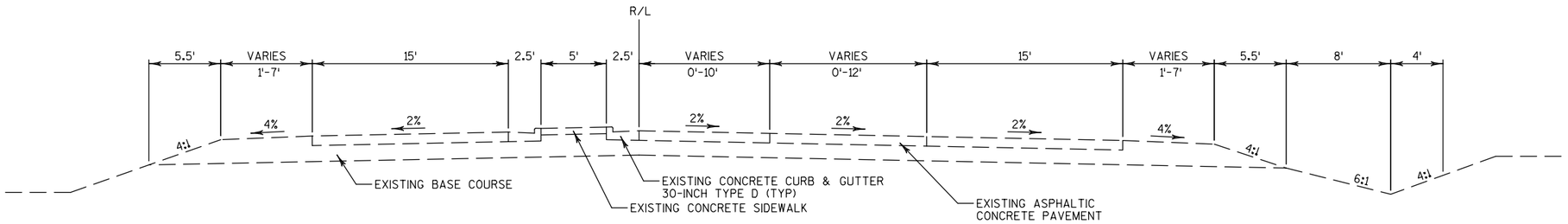


TYPICAL EXISTING SECTION

CTH TT
STA 261+00 TO STA 282+50

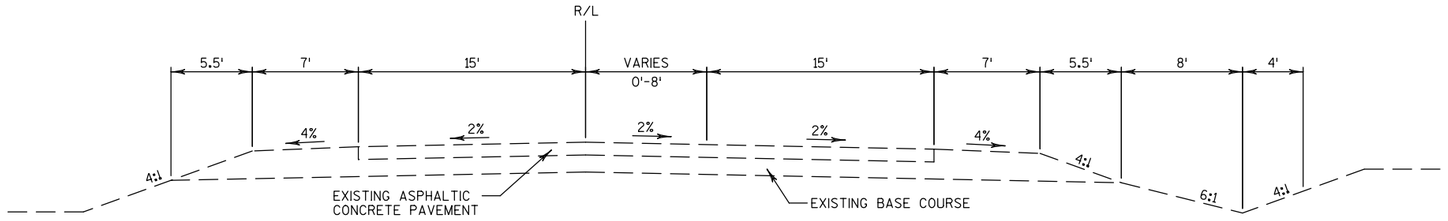
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

2



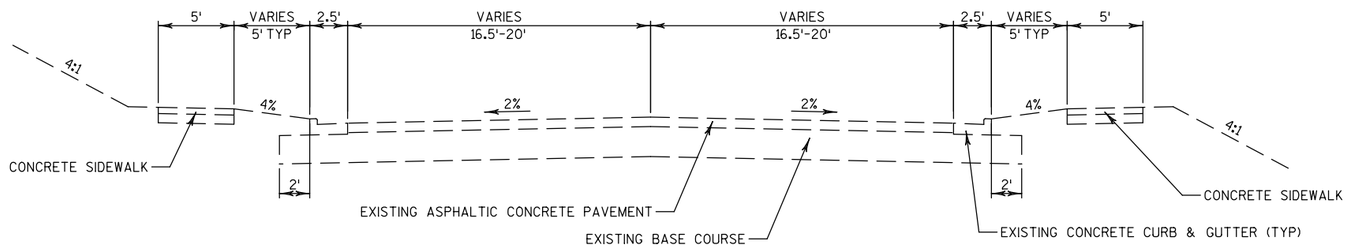
TYPICAL EXISTING SECTION

USH 18
STA 45+00 TO STA 49+50



TYPICAL EXISTING SECTION

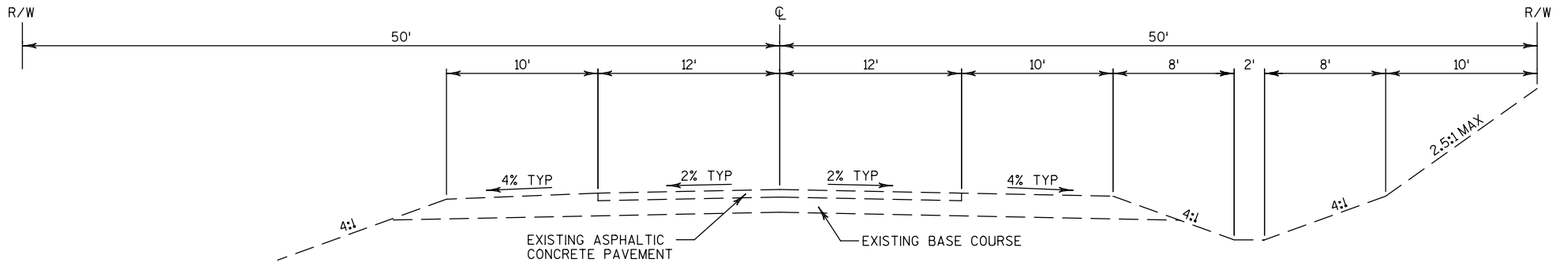
USH 18
STA 39+00 TO STA 45+00



TYPICAL EXISTING SECTION

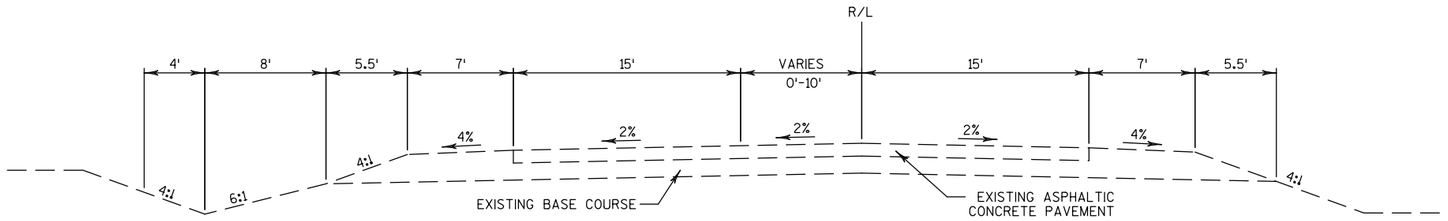
FIDDLERS CREEK DR
STA 49+00 TO STA 49+50

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E



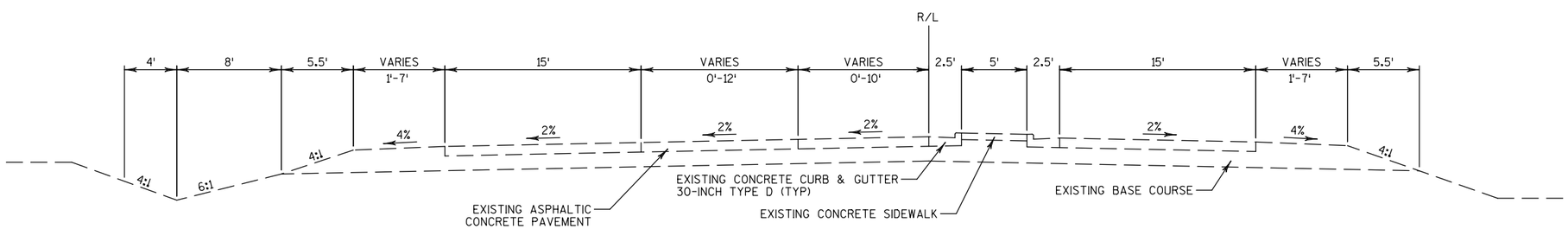
TYPICAL EXISTING SECTION

NORTHVIEW RD
STA 45+92 TO STA 54+79



TYPICAL EXISTING SECTION

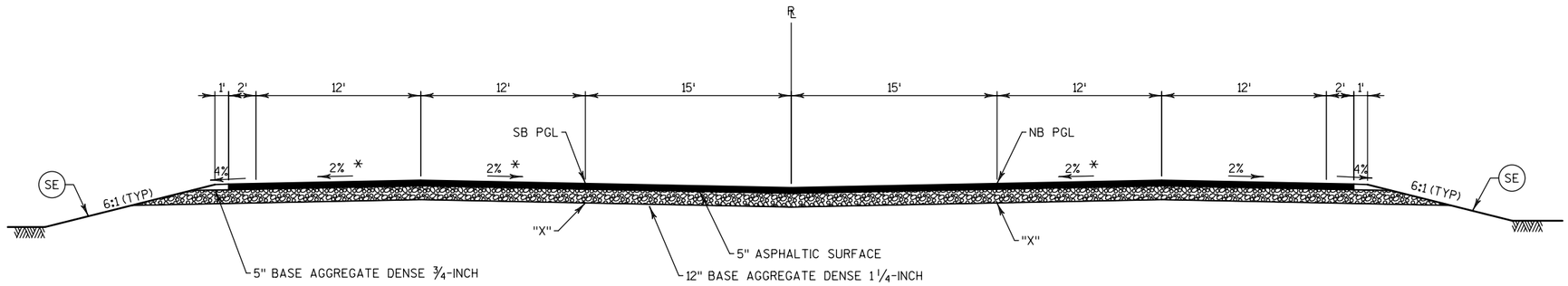
USH 18
STA 62+00 TO STA 66+00



TYPICAL EXISTING SECTION

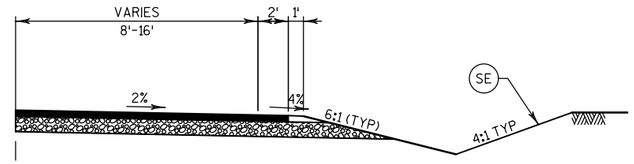
USH 18
STA 50+50 TO STA 62+00

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

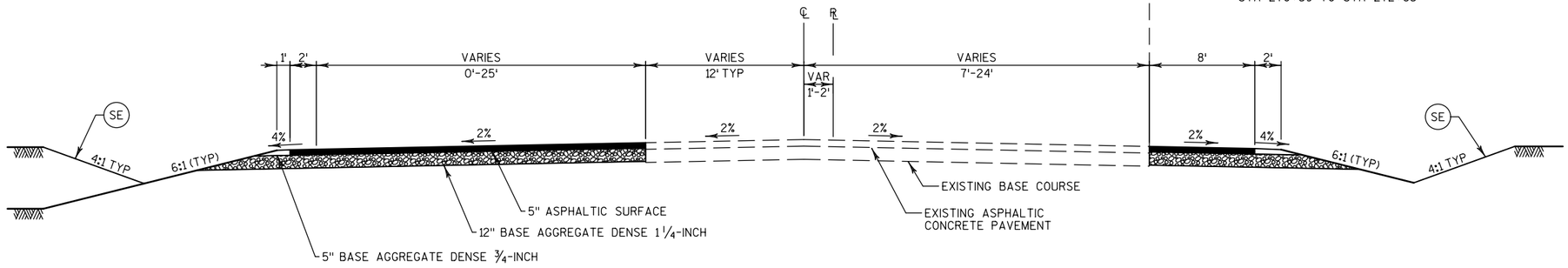


TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 272+85 TO STA 273+75

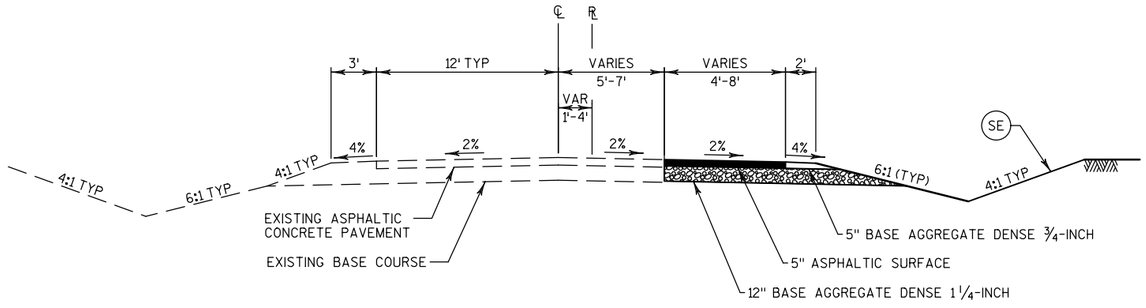


STA 270+59 TO STA 272+85



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 266+58 TO STA 272+85



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 264+66 TO STA 266+58

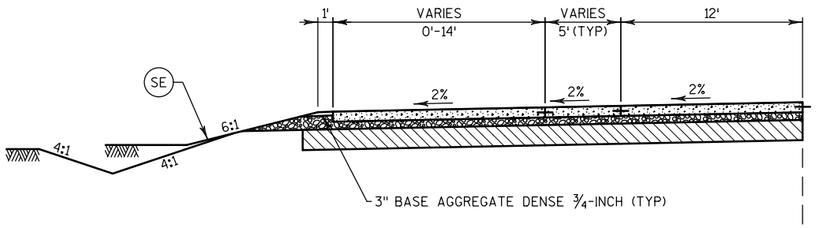
NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

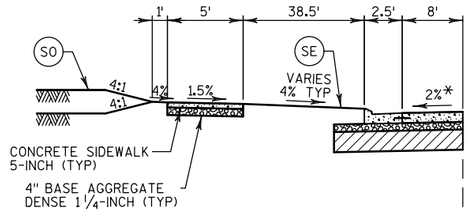
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

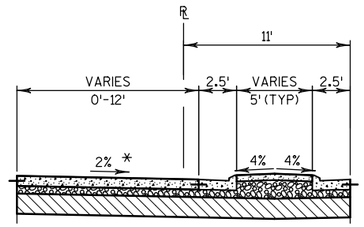
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



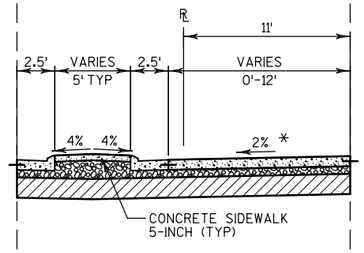
RIGHT TURN LANE DETAIL
STA 275+03 TO STA 278+80 **
STA 286+00 TO STA 287+47 #



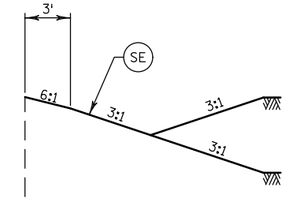
STA 273+75 TO STA 274+04



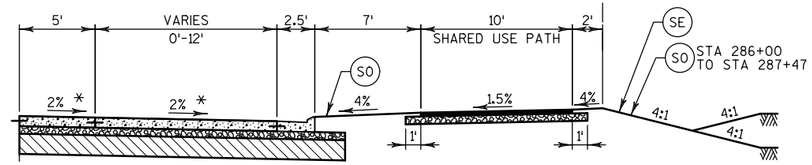
SB LEFT TURN LANE DETAIL
STA 275+04 TO STA 277+88 **
STA 286+00 TO STA 287+15



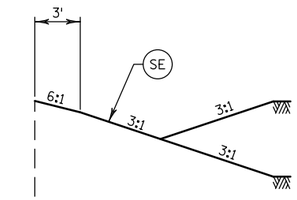
NB LEFT TURN LANE DETAIL
STA 273+75 TO STA 274+13
STA 276+38 TO STA 279+00 ** #
STA 286+00 TO STA 287+47



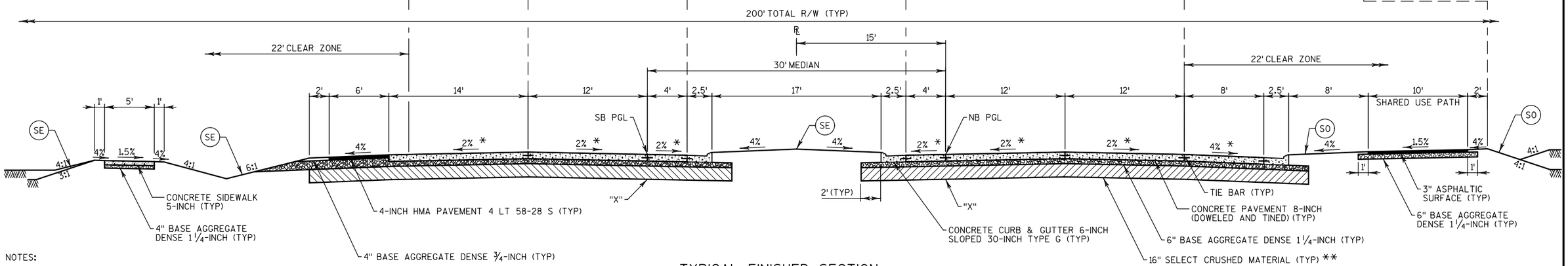
STA 273+75 TO STA 273+98
STA 277+17 TO STA 279+00



RIGHT TURN LANE DETAIL
STA 273+75 TO STA 273+98
STA 277+43 TO STA 279+00
STA 286+00 TO STA 287+47



STA 274+77 TO STA 277+17



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 273+75 TO STA 279+00 ** #
STA 286+00 TO STA 287+47 #

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

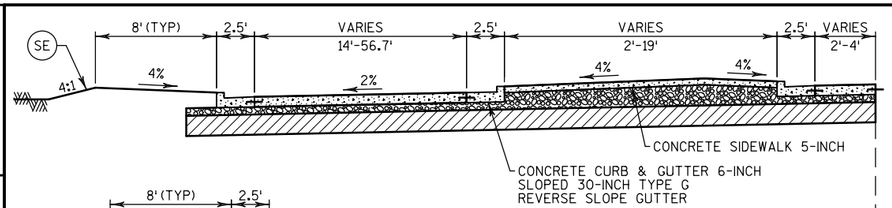
** DO NOT PLACE SELECT CRUSHED MATERIAL SUBGRADE FROM STA 276+00 - STA 280+50, STA 294+00 - STA 300+50, AND STA 320+50 - STA 328+50.

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 275+50 TO STA 278+00 AND STA 287+00 TO 287+47 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

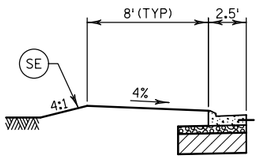
(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

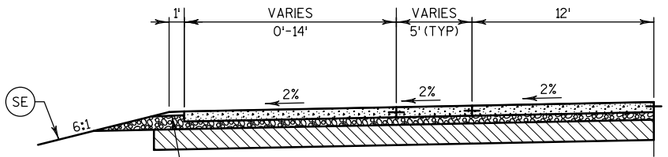
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



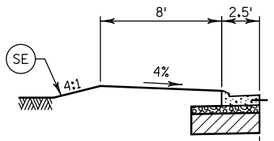
RIGHT TURN LANE DETAIL
STA 283+05 TO STA 283+73



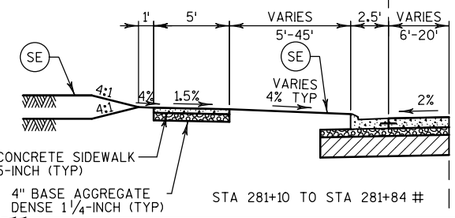
STA 283+73 TO STA 284+75



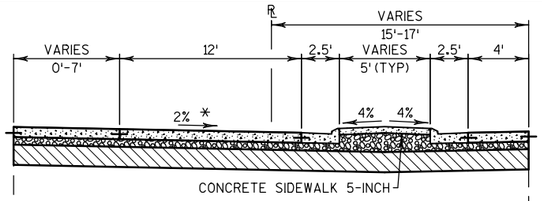
RIGHT TURN LANE DETAIL
STA 283+73 TO STA 286+00



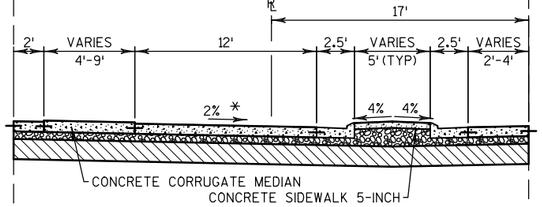
STA 281+10 TO STA 281+18 #



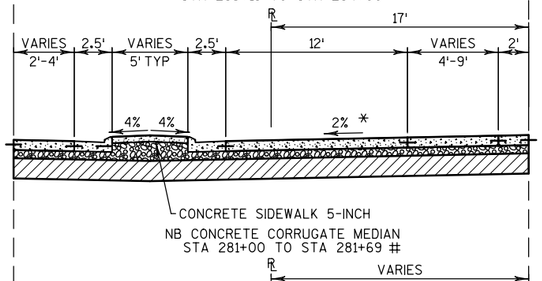
STA 281+10 TO STA 281+84 #



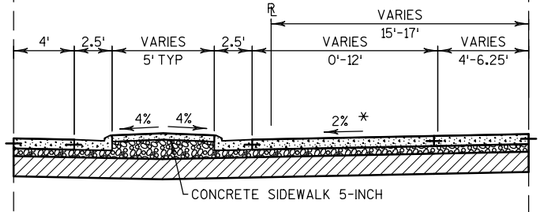
SB LEFT TURN LANE DETAIL
STA 284+00 TO STA 286+00



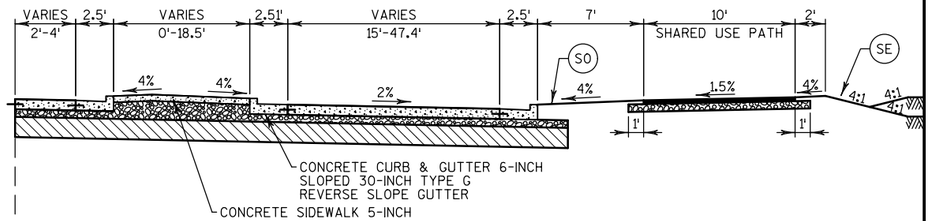
SB CONCRETE CORRUGATE MEDIAN
STA 283+18 TO STA 284+00



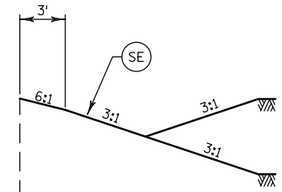
NB CONCRETE CORRUGATE MEDIAN
STA 281+00 TO STA 281+69 #



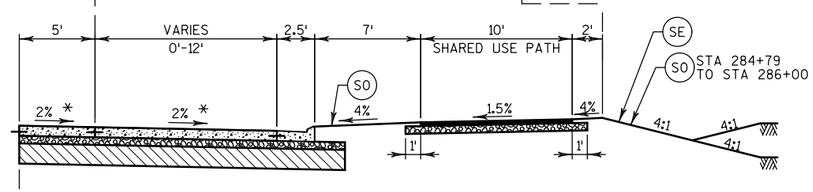
NB LEFT TURN LANE DETAIL ** #
STA 279+00 TO STA 281+00
STA 285+54 TO STA 286+00



RIGHT TURN LANE DETAIL
STA 281+14 TO STA 281+83 #

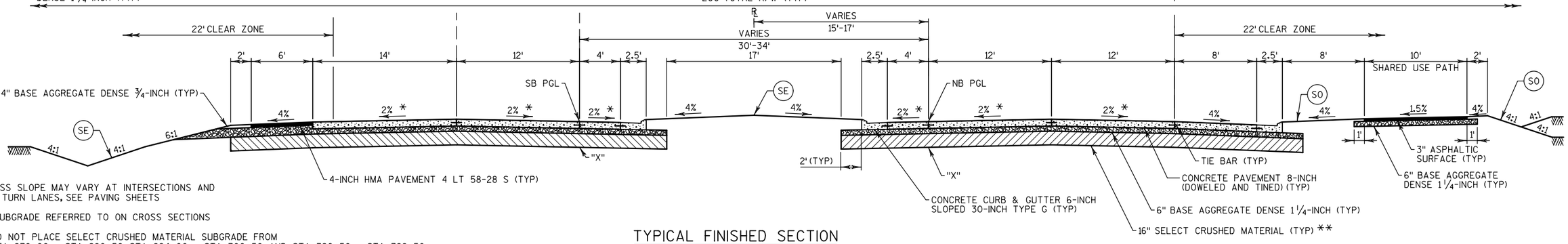


STA 279+00 TO STA 280+75



RIGHT TURN LANE DETAIL
STA 279+00 TO STA 281+14 ** #
STA 284+79 TO STA 286+00

200' TOTAL R/W (TYP)



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 279+00 TO STA 286+00 ** #

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

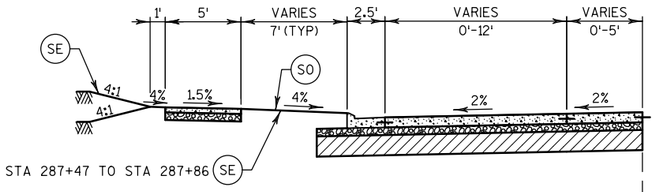
** DO NOT PLACE SELECT CRUSHED MATERIAL SUBGRADE FROM STA 276+00 - STA 280+50, STA 294+00 - STA 300+50, AND STA 320+50 - STA 328+50.

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 278+50 TO STA 283+00 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

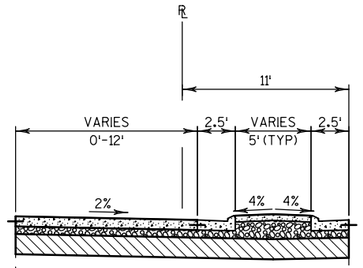
CONCRETE PAVEMENT SHALL BE KEPT TO 15' MAX WIDTH WITHOUT A PAVEMENT JOINT/TIE

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER (SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

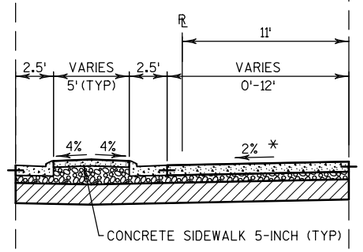
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



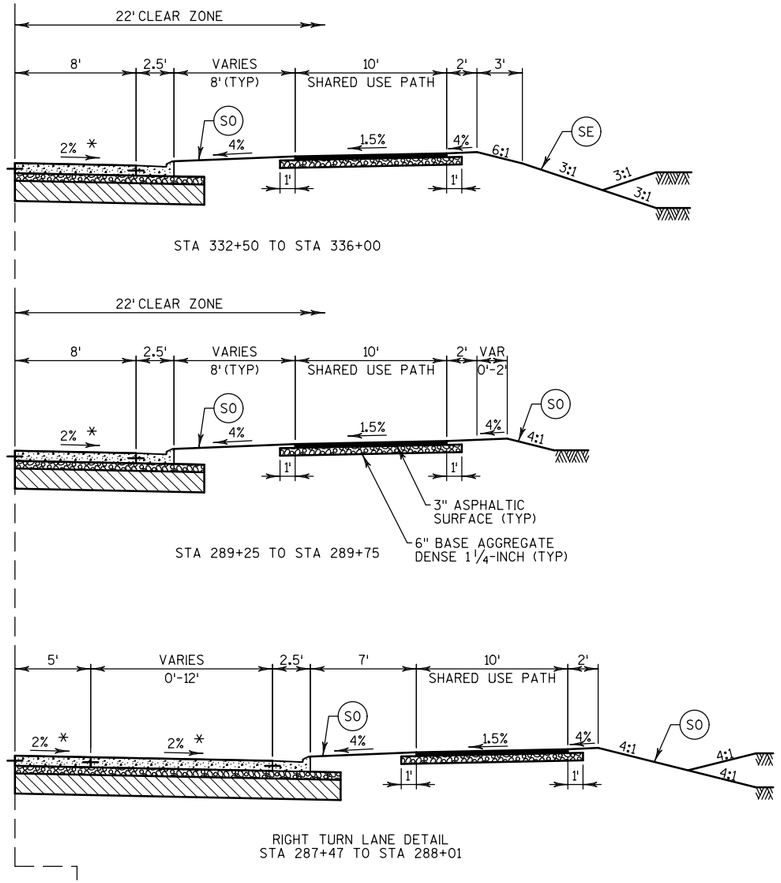
RIGHT TURN LANE DETAIL
STA 287+47 TO STA 287+86 #
STA 289+25 TO STA 289+75 #



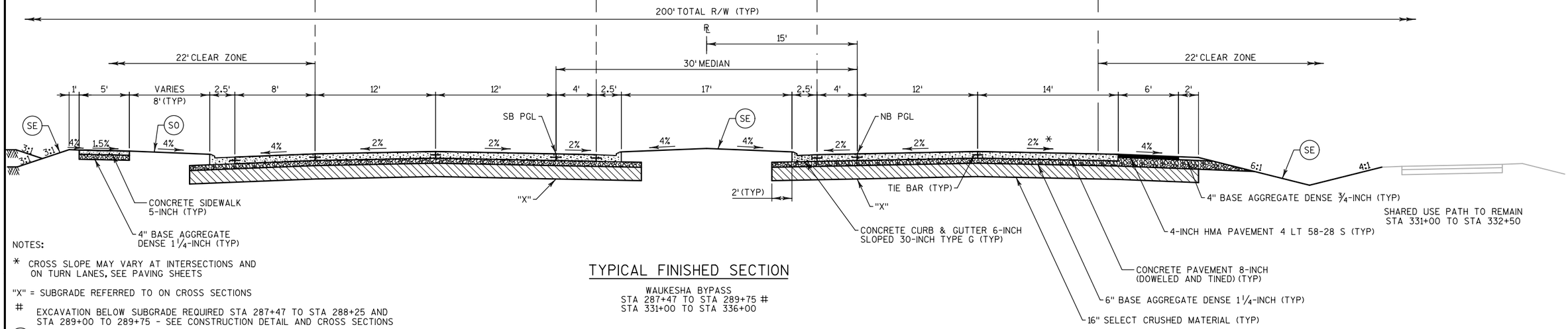
SB LEFT TURN LANE DETAIL
STA 289+19 TO STA 289+75 #



NB LEFT TURN LANE DETAIL
STA 287+47 TO STA 288+30



RIGHT TURN LANE DETAIL
STA 287+47 TO STA 288+01



NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 287+47 TO STA 288+25 AND STA 289+00 TO 289+75 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 287+47 TO STA 289+75 #
STA 331+00 TO STA 336+00

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

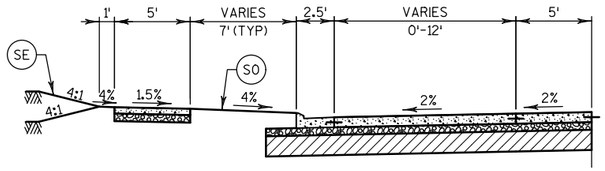
** DO NOT PLACE SELECT CRUSHED MATERIAL SUBGRADE FROM STA 276+00 - STA 280+50, STA 294+00 - STA 300+50, AND STA 320+50 - STA 328+50.

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 289+75 TO STA 290+25 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

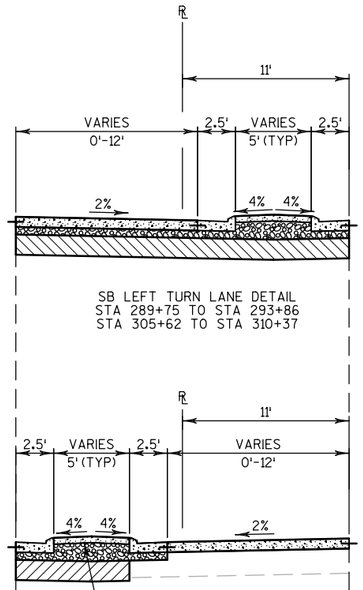
^ SOME AREAS ALONG NB WILL REQUIRE 6" AGGREGATE BASE UNDER INSIDE/OUSIDE SHOULDERS. SEE CROSS SECTIONS FOR DETAILS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

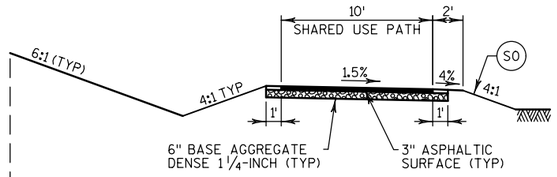


RIGHT TURN LANE DETAIL
STA 289+75 TO STA 292+29 #
STA 305+99 TO STA 308+93

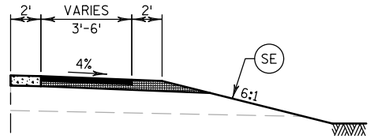


SB LEFT TURN LANE DETAIL
STA 289+75 TO STA 293+86
STA 305+62 TO STA 310+37

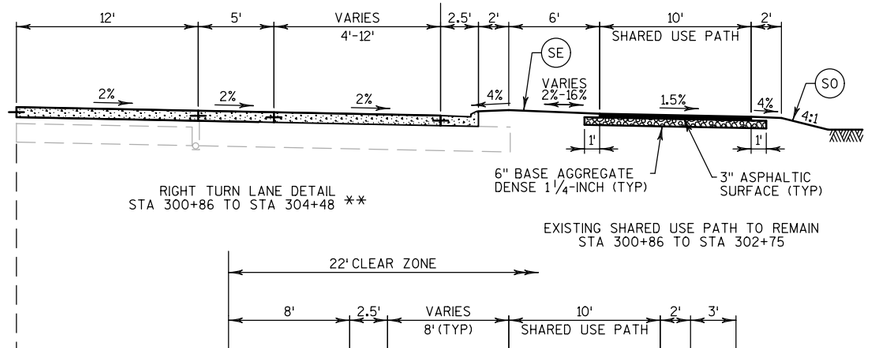
NB LEFT TURN LANE DETAIL
STA 289+75 TO STA 288+30
STA 300+10 TO STA 304+85 **



STA 305+95 TO STA 306+08

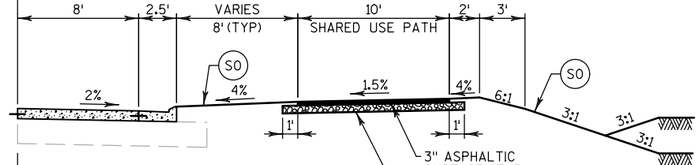


STA 300+86 TO STA 301+66



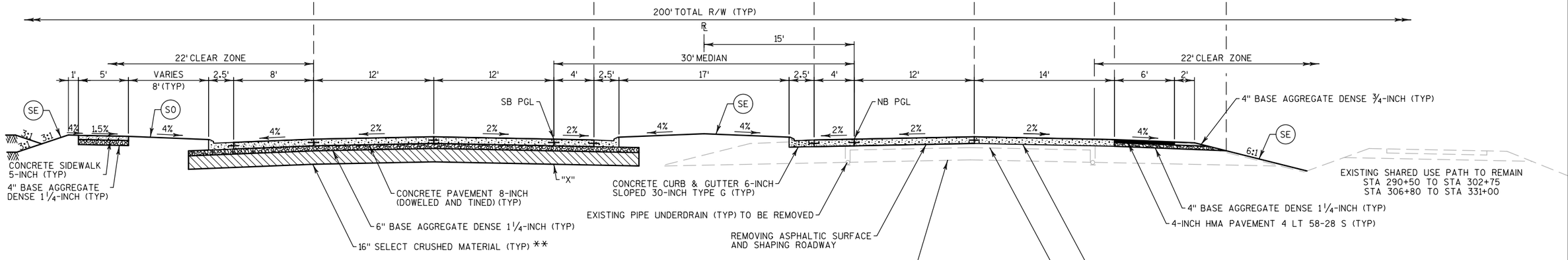
RIGHT TURN LANE DETAIL
STA 300+86 TO STA 304+48 **

EXISTING SHARED USE PATH TO REMAIN
STA 300+86 TO STA 302+75



STA 289+75 TO STA 291+80

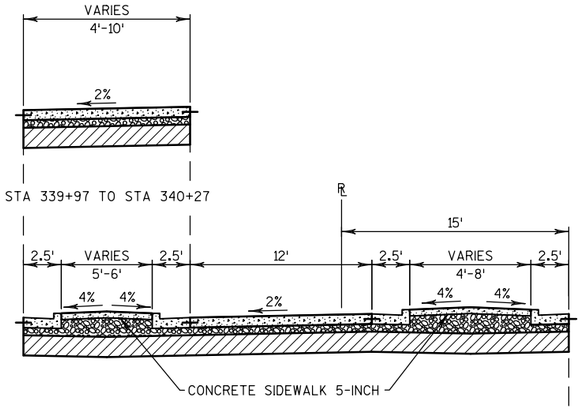
EXISTING SHARED USE PATH TO REMAIN
STA 290+50 TO STA 291+80



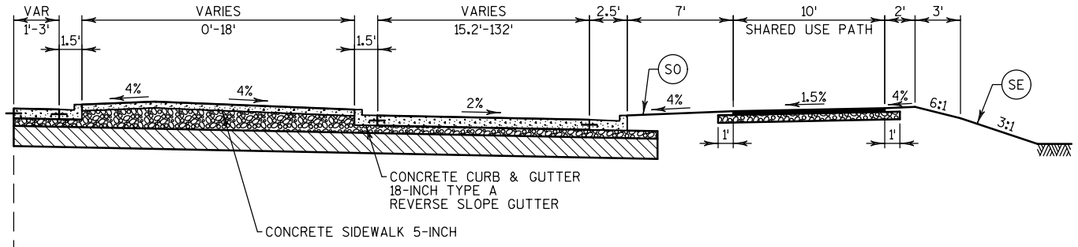
TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 289+75 TO STA 331+00 ** # ^

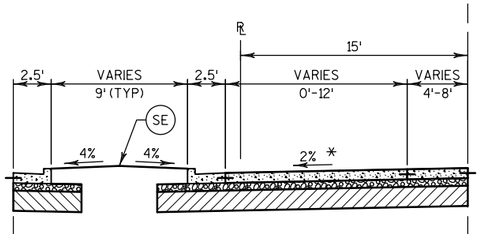
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



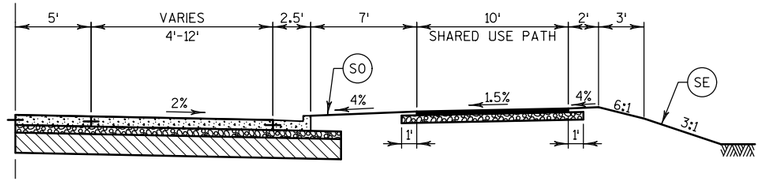
LEFT TURN LANE DETAIL
STA 339+83 TO 340+27



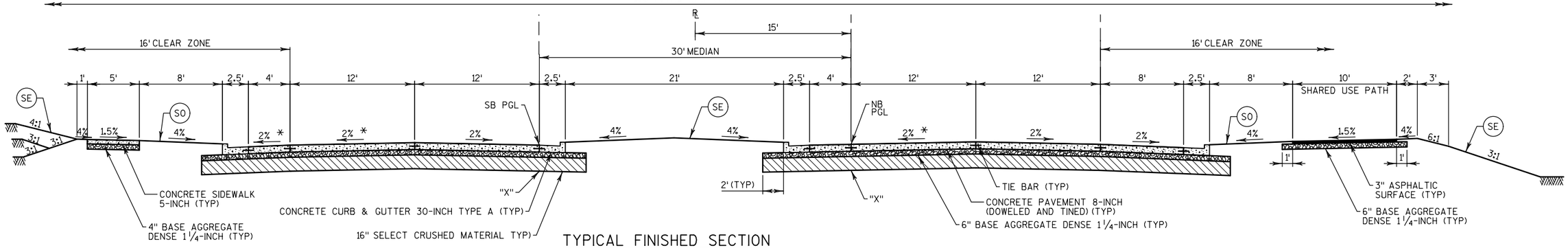
RIGHT TURN LANE DETAIL
STA 339+47 TO STA 340+15



NB LEFT TURN LANE DETAIL
STA 336+69 TO STA 339+83



RIGHT TURN LANE DETAIL
STA 336+75 TO STA 339+47



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 336+00 TO 340+52

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

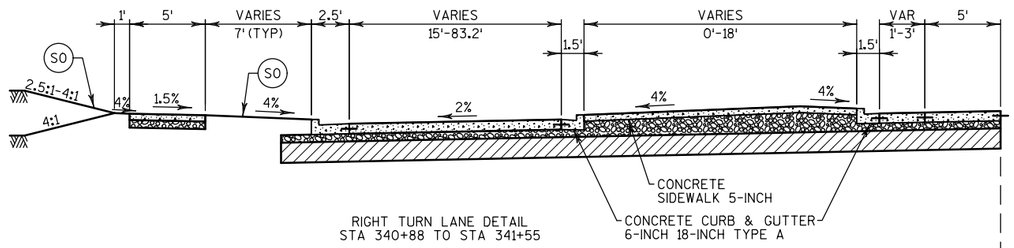
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

CONCRETE PAVEMENT SHALL BE KEPT TO 15' MAX WIDTH WITHOUT A PAVEMENT JOINT/TIE

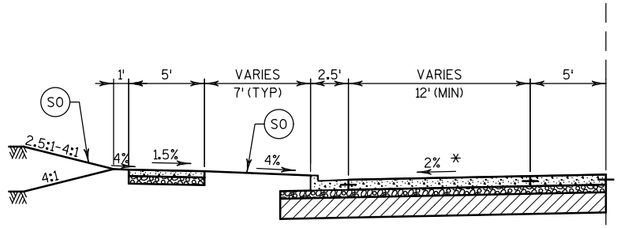
(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

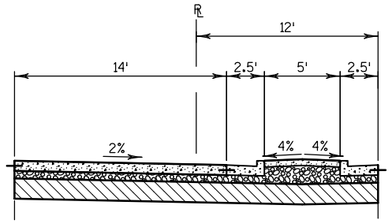
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



RIGHT TURN LANE DETAIL
STA 340+88 TO STA 341+55

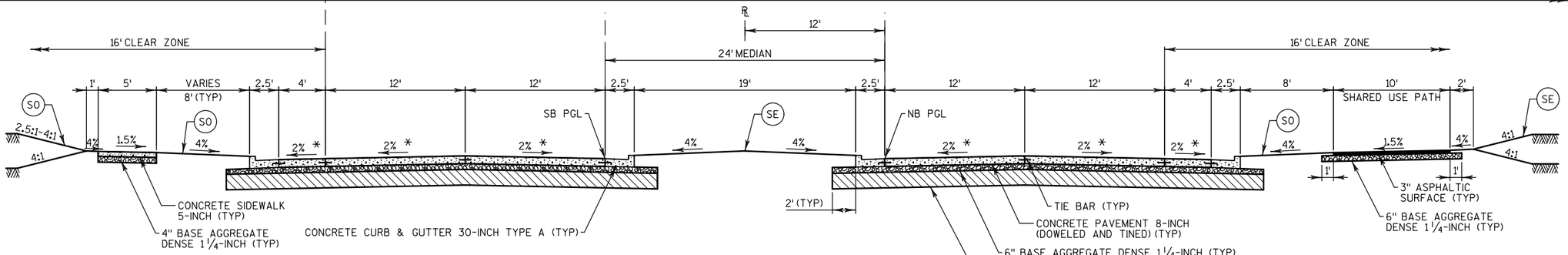


RIGHT TURN LANE DETAIL
STA 341+55 TO STA 342+31.71



SB LEFT TURN LANE DETAIL
STA 341+09 TO STA 342+31.71

130' TOTAL R/W (TYP)



TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 340+52 TO STA 342+31.71

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

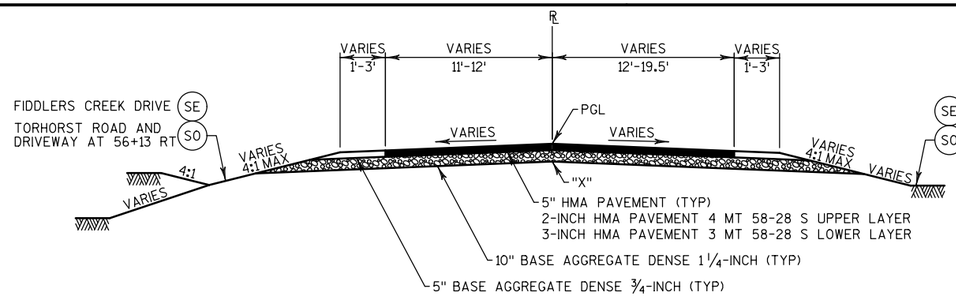
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

CONCRETE PAVEMENT SHALL BE KEPT TO 15' MAX WIDTH WITHOUT A PAVEMENT JOINT/TIE

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

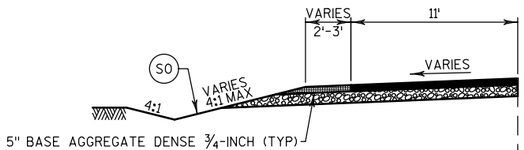
(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

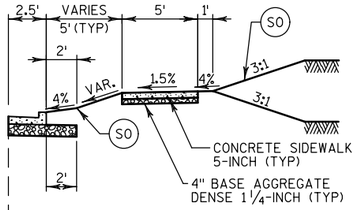


TYPICAL FINISHED SECTION

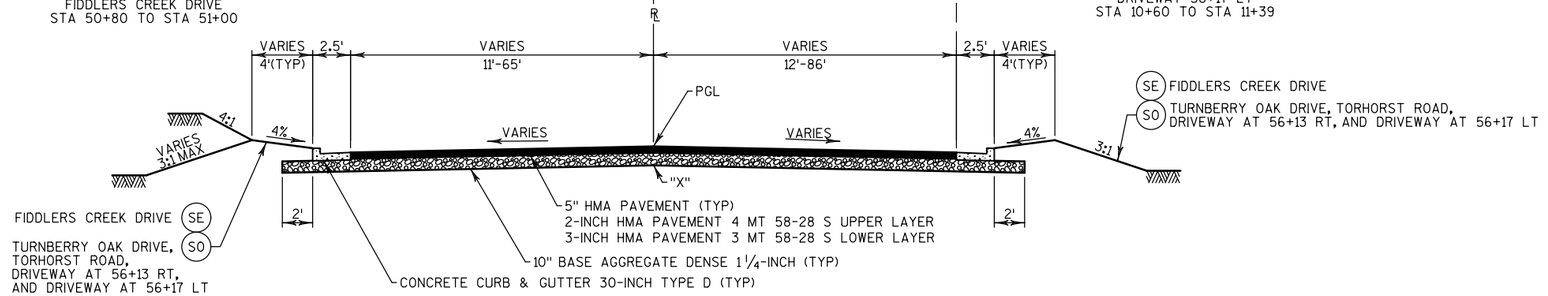
FIDDLERS CREEK DRIVE
STA 51+00 TO STA 51+53
TORHORST ROAD
STA 11+17 TO STA 11+90
DRIVEWAY 56+13 RT
STA 8+75 TO STA 8+98



TORHORST ROAD
STA 10+89 TO STA 11+17
FIDDLERS CREEK DRIVE
STA 50+80 TO STA 51+00



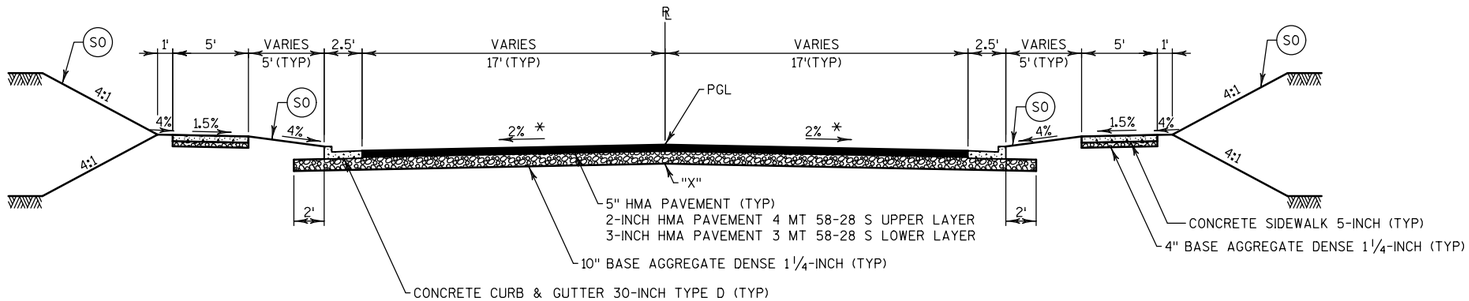
DRIVEWAY 56+17 LT
STA 10+60 TO STA 11+39



TYPICAL FINISHED SECTION

FIDDLERS CREEK DRIVE
STA 49+30 TO STA 49+56
STA 50+44 TO STA 51+00
TURNBERRY OAK DRIVE
STA 8+87 TO STA 9+56
TORHORST ROAD
STA 10+43 TO STA 11+17
DRIVEWAY 56+13 RT
STA 8+98 TO STA 9+56
DRIVEWAY 56+17 LT
STA 10+44 TO STA 11+39

NOTE:
FIDDLERS CREEK DRIVE
STA 49+30 TO STA 49+56 AND STA 50+44 TO STA 50+84
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.



TYPICAL FINISHED SECTION

FIDDLERS CREEK DR
STA 48+42 TO STA 49+30

NOTE:
STA 49+00 TO STA 49+30
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

NOTES:

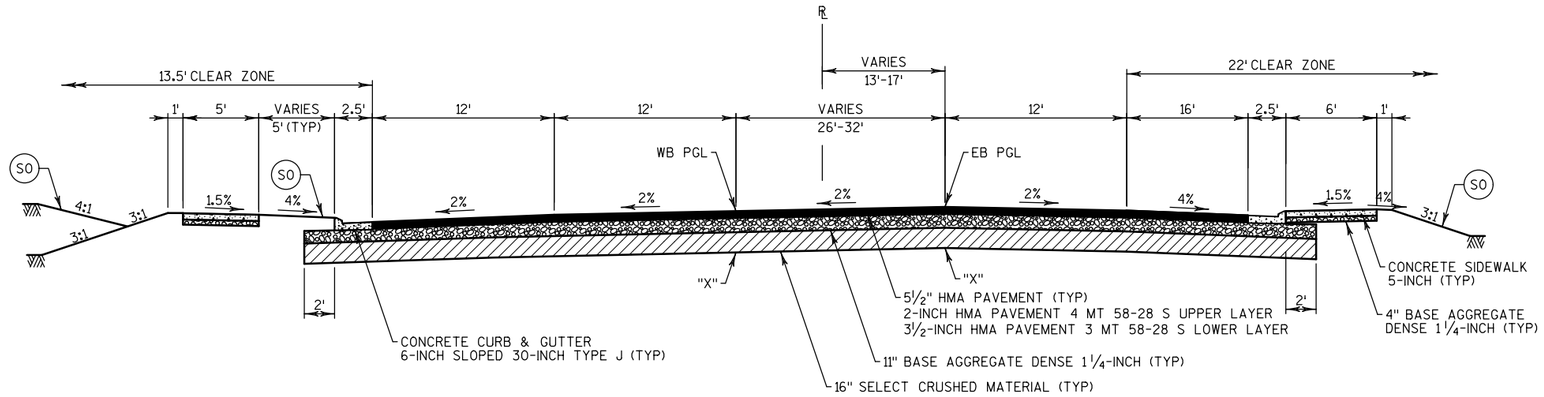
* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

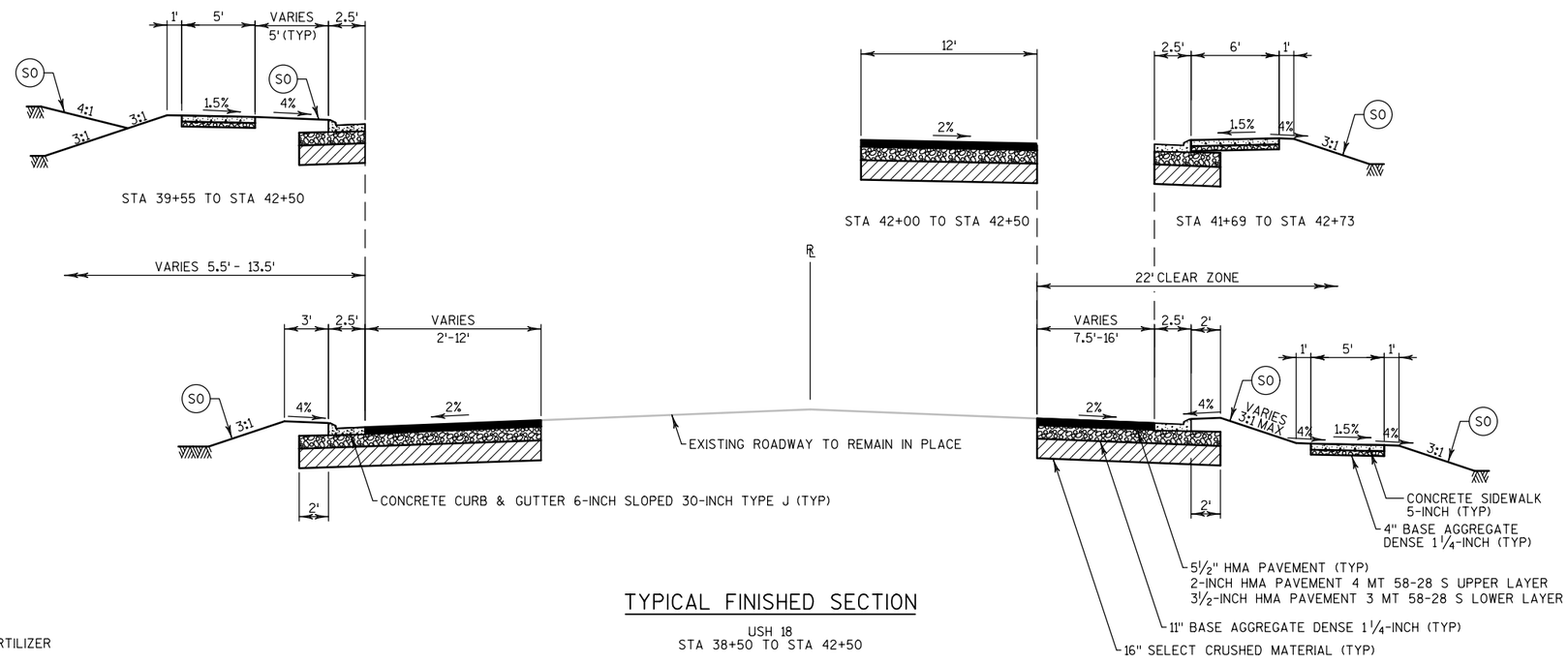
(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

USH 18
STA 42+50 TO STA 43+41



TYPICAL FINISHED SECTION

USH 18
STA 38+50 TO STA 42+50

NOTES:

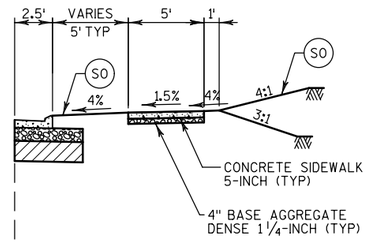
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

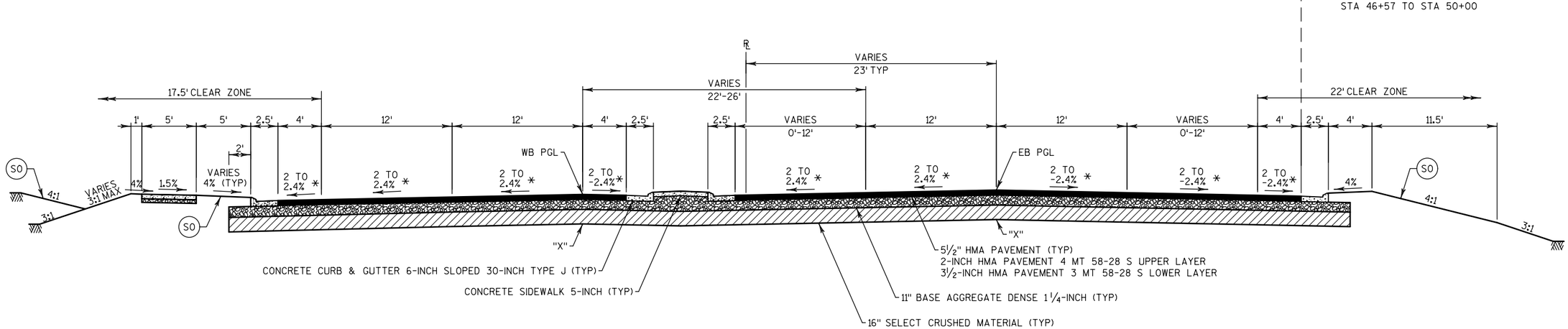
(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

2



STA 46+57 TO STA 50+00



TYPICAL FINISHED SECTION

USH 18
STA 43+41 TO STA 49+54 #

NOTE:
STA 48+50 TO STA 49+54
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

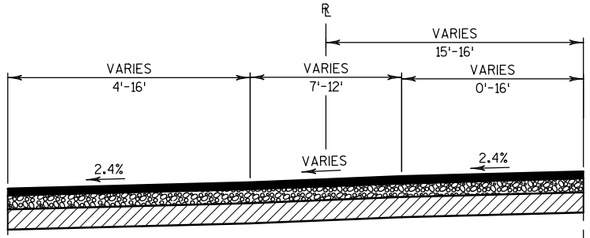
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 44+00 TO STA 45+00 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

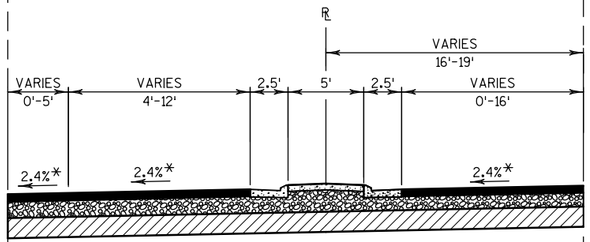
(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

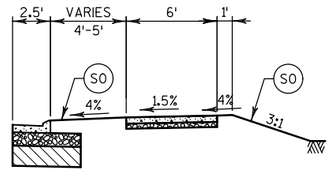
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



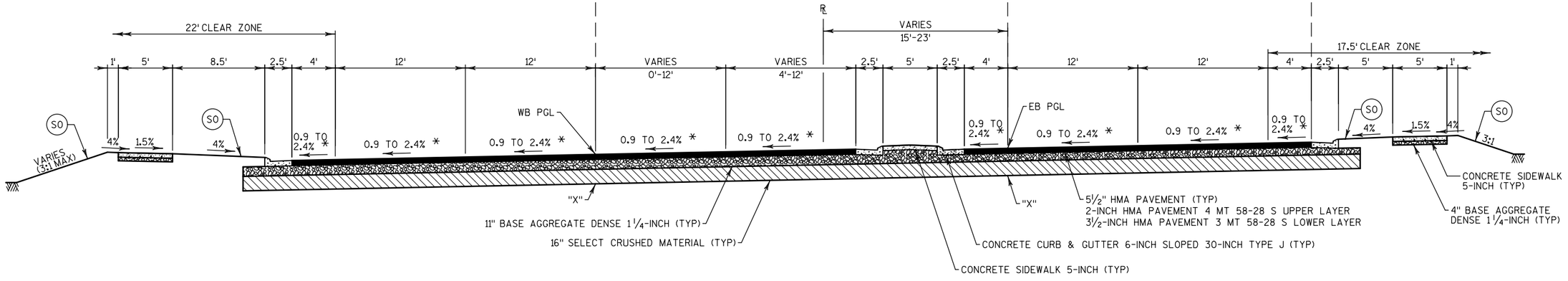
STA 55+89 TO STA 57+06 #



STA 53+60 TO STA 55+89 #



STA 56+50 TO STA 57+06



NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 52+00 TO STA 60+00 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

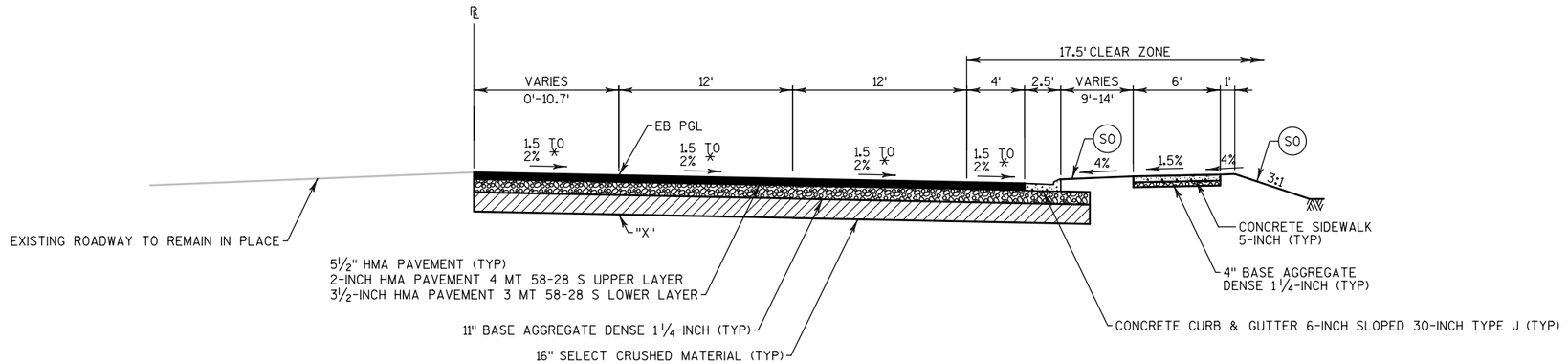
TYPICAL FINISHED SECTION

SUMMIT AVENUE
STA 50+46 TO STA 57+06 #

NOTE:
STA 50+46 TO STA 51+50
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

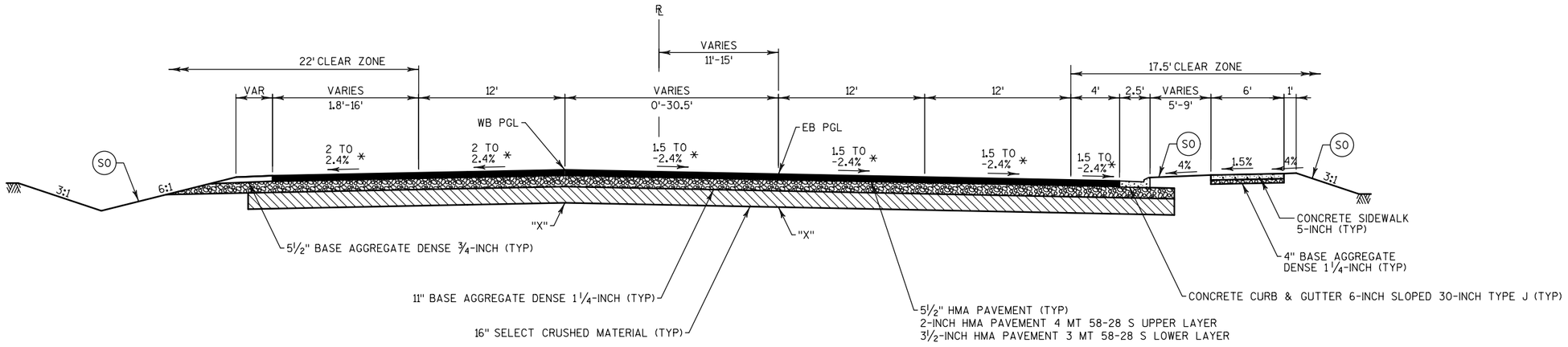
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

SUMMIT AVENUE
STA 59+70 TO STA 62+34 #



NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

\# EXCAVATION BELOW SUBGRADE REQUIRED STA 52+00 TO STA 60+00 - SEE CONSTRUCTION DETAIL AND CROSS SECTIONS

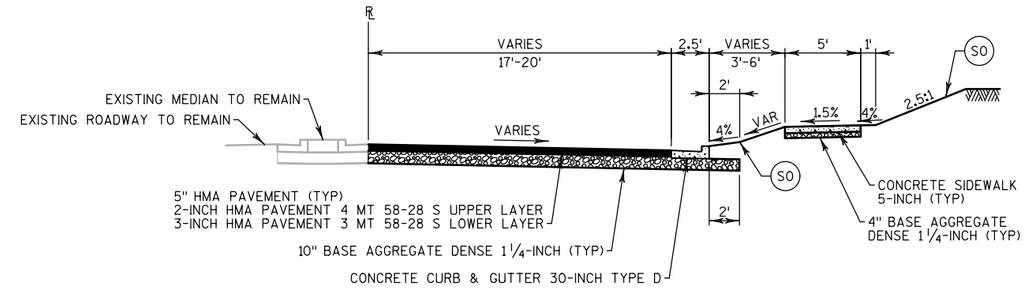
(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

TYPICAL FINISHED SECTION

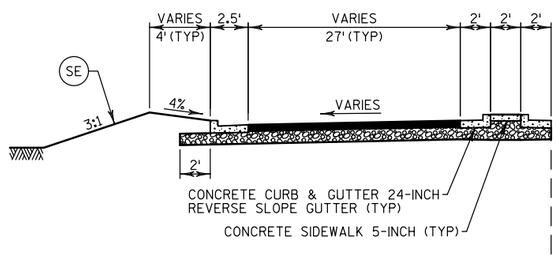
SUMMIT AVENUE
STA 57+06 TO STA 59+70 #

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

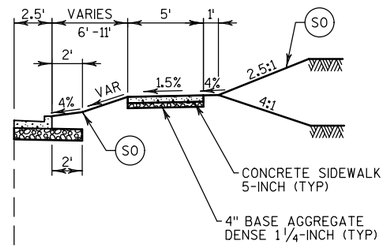


TYPICAL FINISHED SECTION

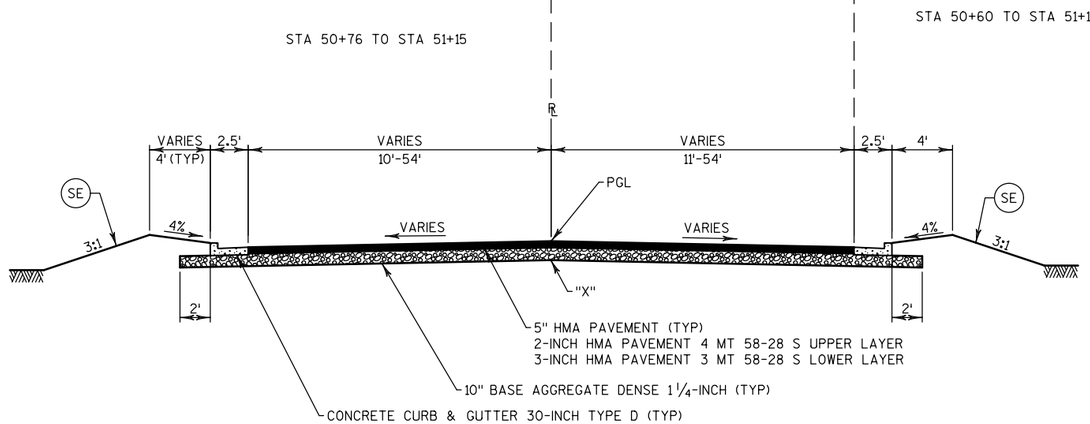
DRIVEWAY
STA 51+15 TO STA 51+50



STA 50+76 TO STA 51+15



STA 50+60 TO STA 51+15



TYPICAL FINISHED SECTION

DRIVEWAY
STA 48+25 TO STA 49+56
STA 50+44 TO STA 51+15

NOTE:
STA 49+25 TO STA 49+56 AND STA 50+44 TO STA 51+15
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

NOTES:

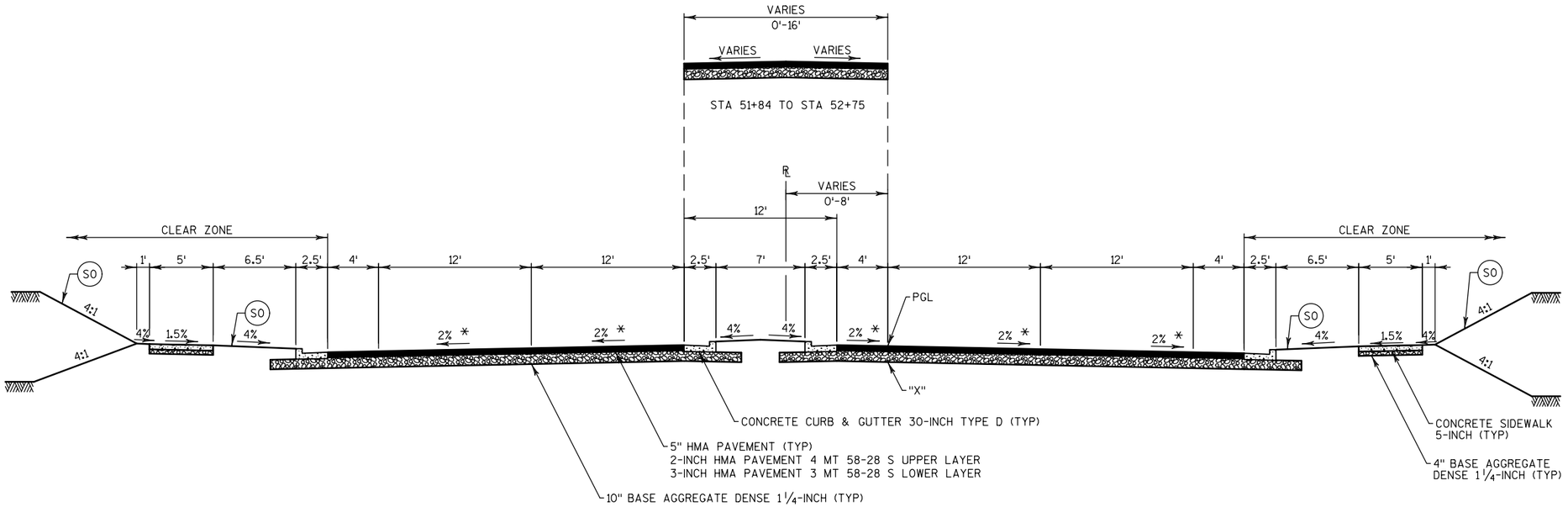
* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

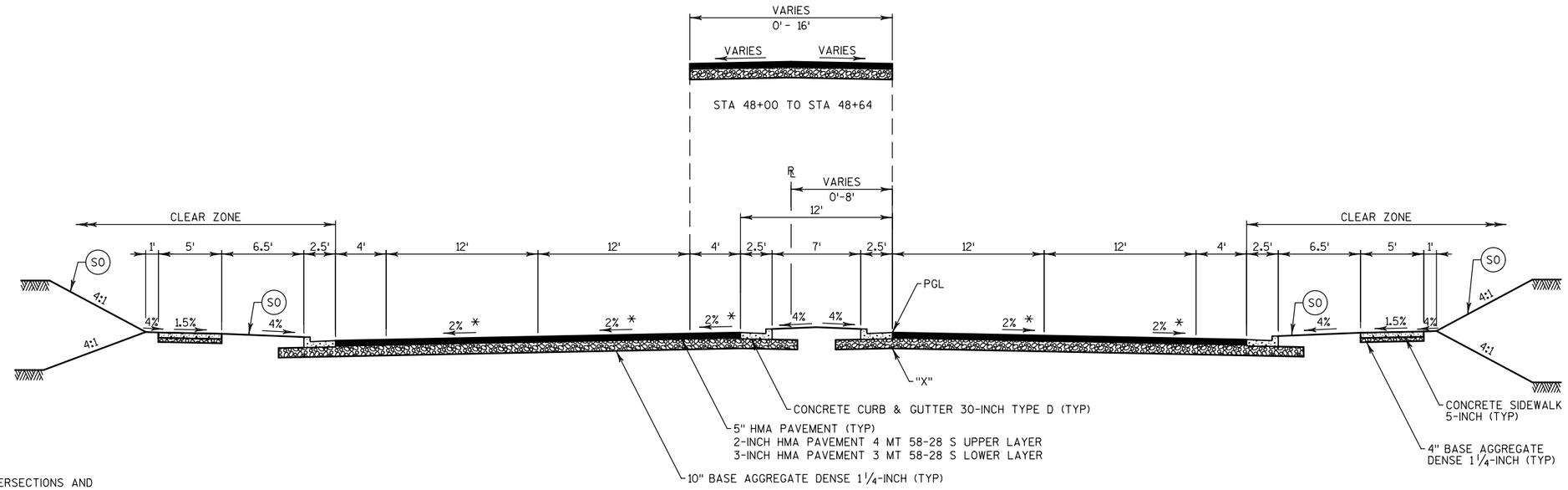
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

COLDWATER CREEK DRIVE
STA 50+44 TO STA 52+75

NOTE:
STA 50+44 TO STA 50+96
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH.
OVER 16" SELECT CRUSHED MATERIAL.



NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

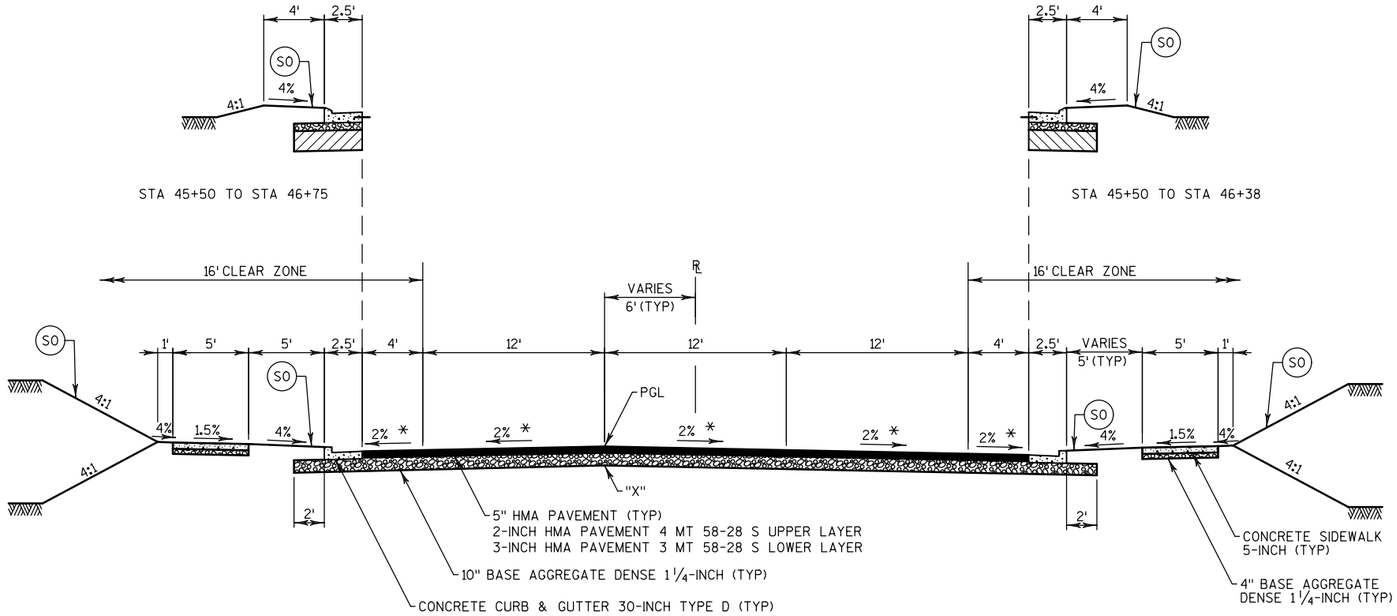
TYPICAL FINISHED SECTION

COLDWATER CREEK DRIVE
STA 48+00 TO STA 49+56

NOTE:
STA 49+04 TO STA 49+56
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

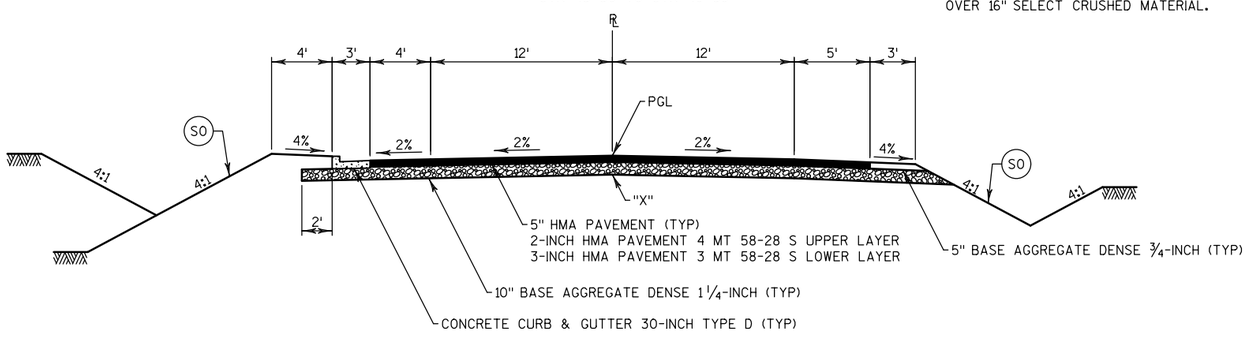
2



TYPICAL FINISHED SECTION

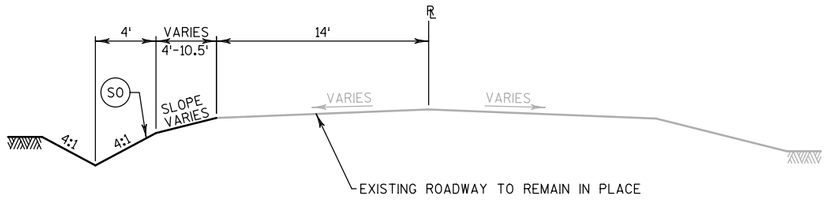
NORTHVIEW RD
STA 45+50 TO STA 49+59

NOTE:
STA 48+90 TO STA 49+59
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.



TYPICAL FINISHED SECTION

NORTHVIEW RD
STA 44+50 TO STA 45+50



TYPICAL FINISHED SECTION

NORTHVIEW RD
STA 44+00 TO STA 44+50

NOTES:

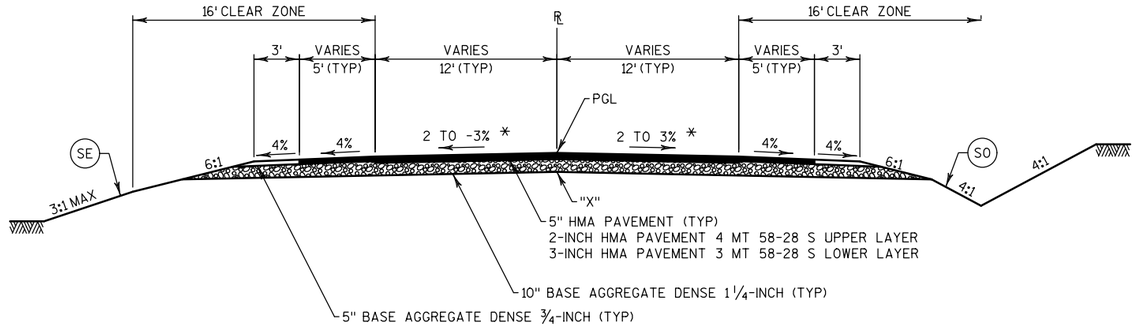
* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

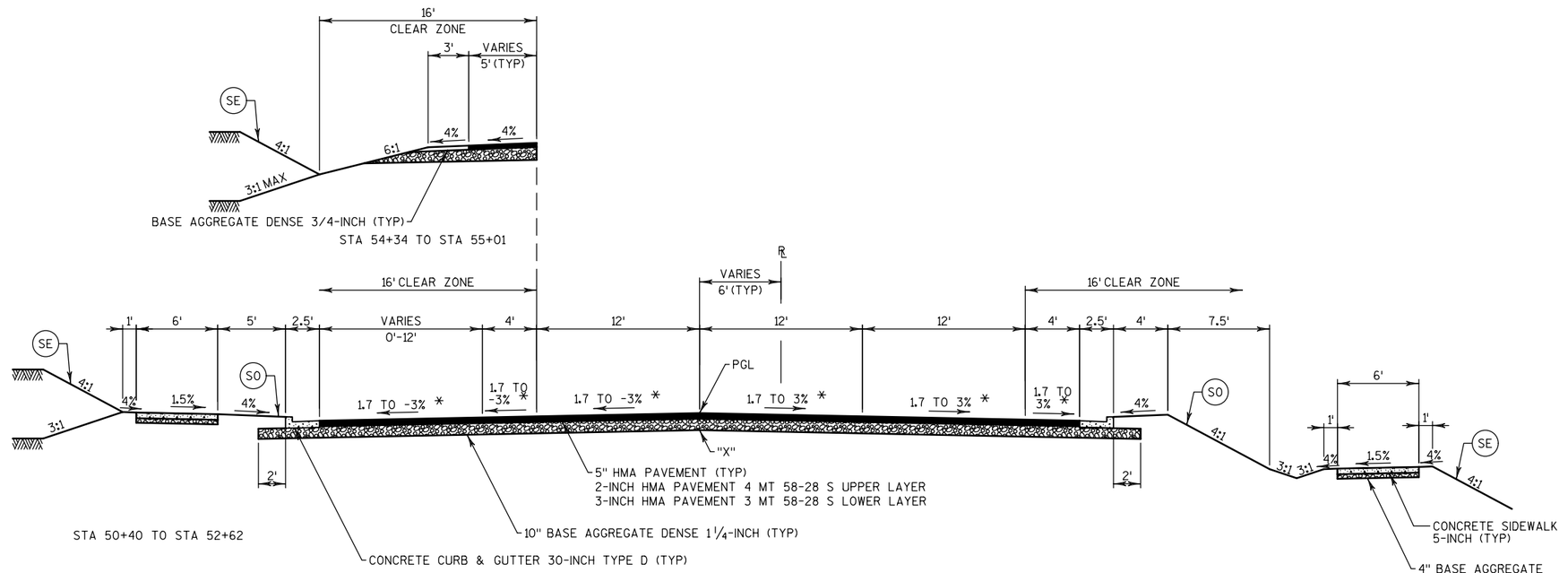
(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

NORTHVIEW RD
STA 55+01 TO STA 56+65



STA 50+40 TO STA 52+62

TYPICAL FINISHED SECTION

NORTHVIEW RD
STA 50+44 TO STA 55+01

NOTES:

* CROSS SLOPE MAY VARY AT INTERSECTIONS AND ON TURN LANES, SEE PAVING SHEETS

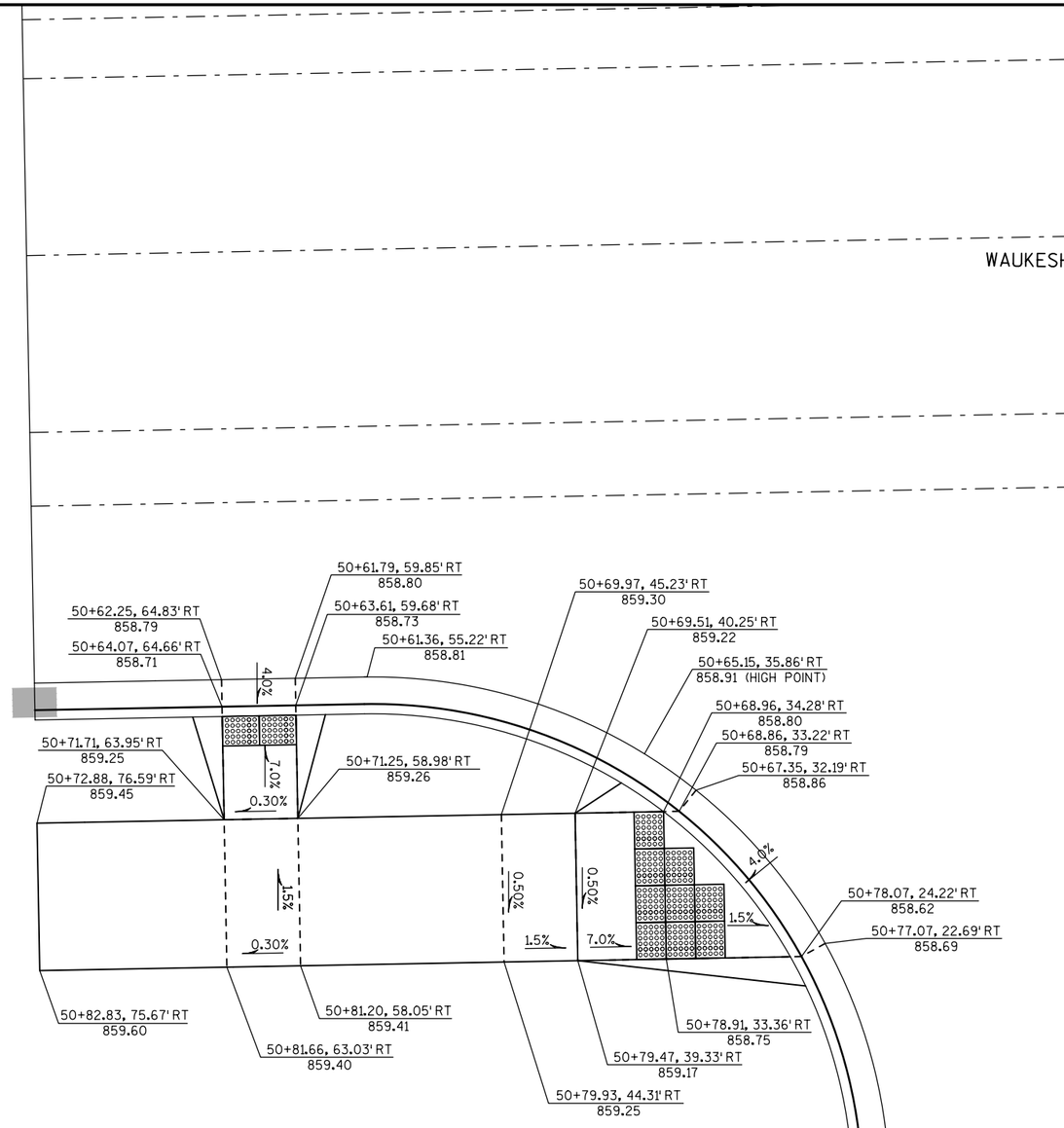
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

(SE) TOPSOIL OR SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

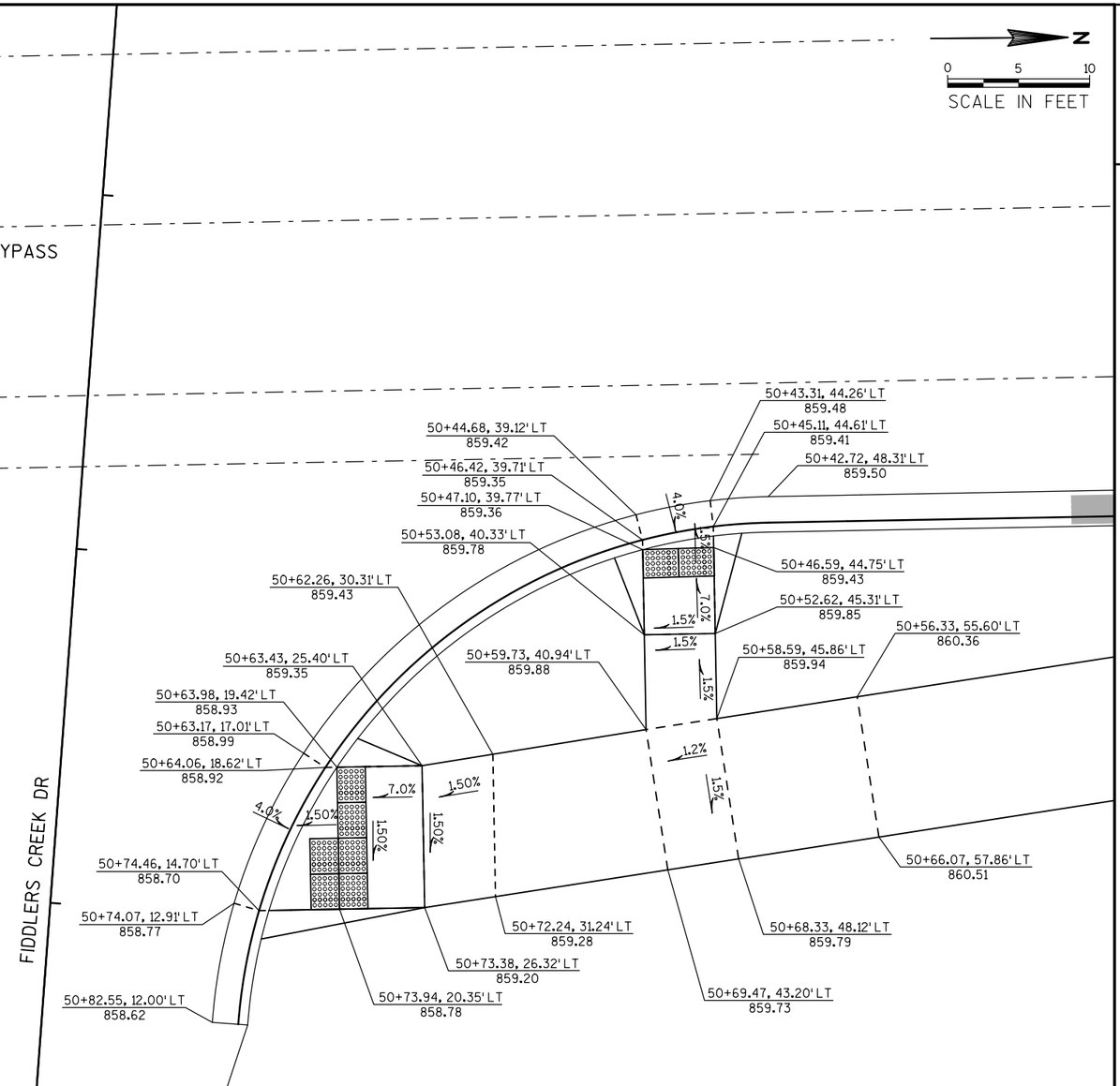
(SO) TOPSOIL OR SALVAGED TOPSOIL, SOD AND FERTILIZER

NOTE:
STA 50+44 TO STA 51+20
PAVEMENT STRUCTURE CHANGES TO CONCRETE PAVEMENT
8-INCH, OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH,
OVER 16" SELECT CRUSHED MATERIAL.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E



CURB RAMP TYPE 2



CURB RAMP TYPE 2

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

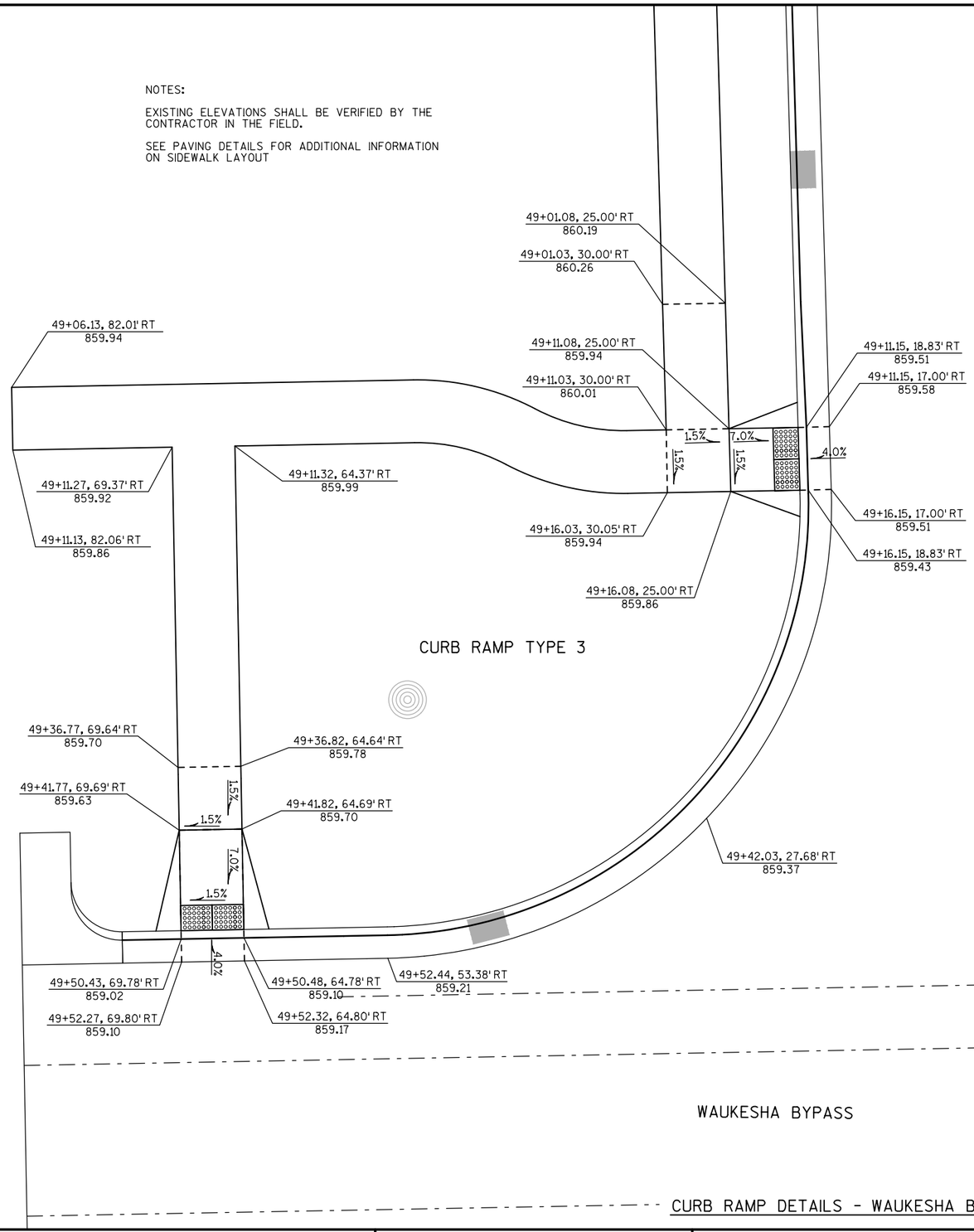
CURB RAMP DETAILS - WAUKESHA BYPASS AND FIDDLERS CREEK DRIVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

NOTES:

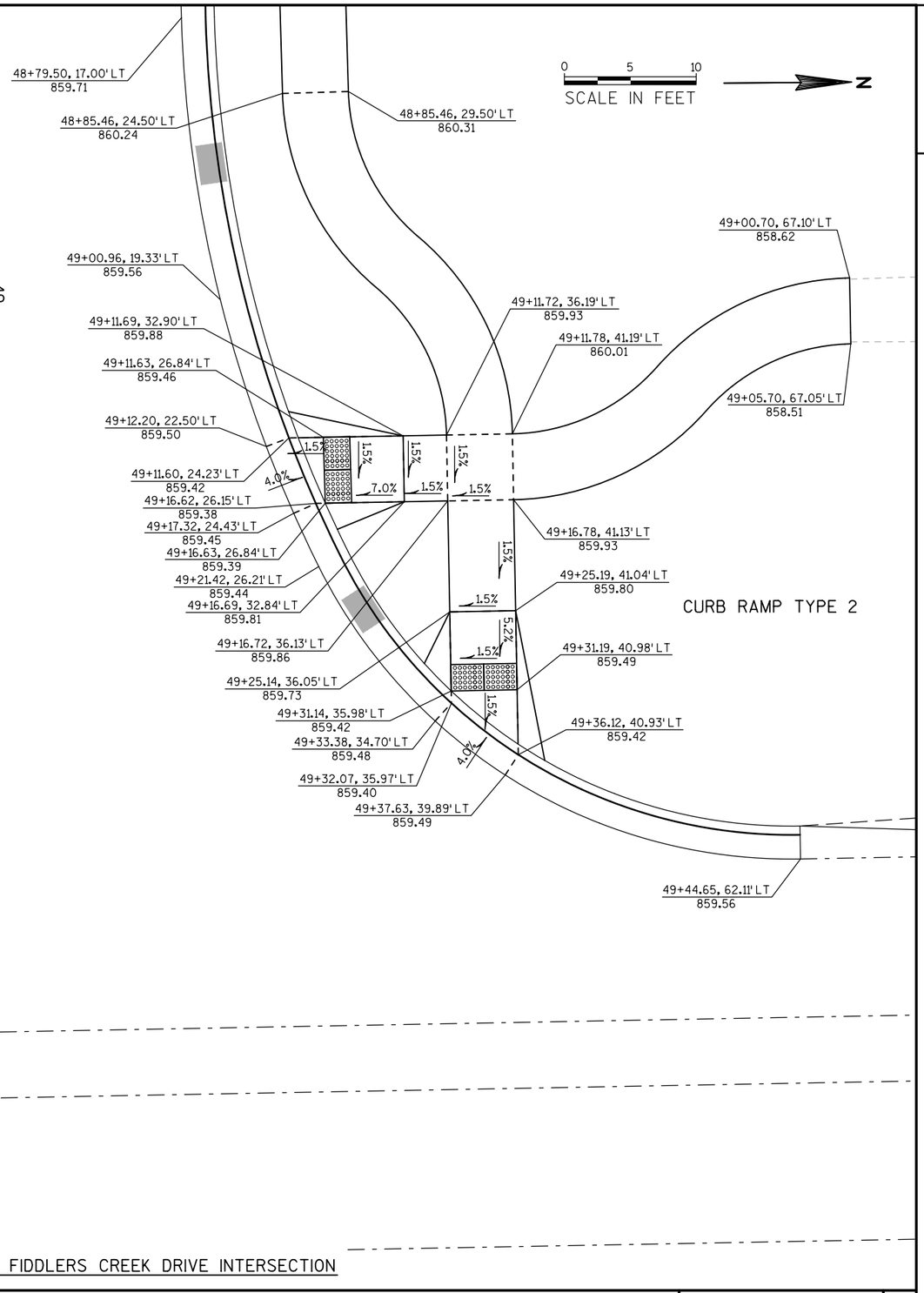
EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT



FIDDLERS CREEK DR

49



CURB RAMP DETAILS - WAUKESHA BYPASS AND FIDDLERS CREEK DRIVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

USH 18

282+10.66, 99.99' LT
856.70

282+00.97, 77.56' LT
856.99

282+00.70, 103.04' LT
857.39

281+96.19, 74.79' LT
856.98

281+97.52, 73.53' LT
857.05

281+96.69, 106.04' LT
857.46

281+91.48, 70.45' LT
857.05

281+91.33, 75.53' LT
857.05

281+92.62, 69.03' LT
857.13

281+84.93, 76.52' LT
857.50

281+90.58, 70.59' LT
857.07

281+84.17, 71.57' LT
857.52

281+80.15, 72.19' LT
857.58

281+81.81, 62.40' LT
857.25

281+80.27, 77.23' LT
857.51

281+80.72, 61.91' LT
857.27

281+79.98, 63.59' LT
857.20

281+80.00, 64.33' LT
857.21

281+75.63, 59.76' LT
857.31

281+74.94, 61.46' LT
857.24

282+75.27, 78.00' LT
857.58

281+75.17, 72.96' LT
857.66

281+75.00, 64.43' LT
857.28

4.0%
1.5%
7.0%
0.40%
VAR 1.5% MAX
1.5%
1.5%
4.7%
1.5%
4.0%

CURB RAMP TYPE 2

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

281+49.51, 88.46' LT
858.28

281+46.74, 50.89' LT
857.64

281+46.31, 84.61' LT
858.20

281+25.00, 47.64' LT
857.89

281+10.03, 47.00' LT
858.06

281+17.55, 100.00' LT
857.63

281+17.55, 95.00' LT
857.55

WAUKESHA BYPASS

282

N

0 5 10
SCALE IN FEET

2

CURB RAMP DETAILS - WAUKESHA BYPASS AND USH 18/SUMMIT AVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

SUMMIT AVE

CURB RAMP TYPE 6

281+83.21, 54.24' RT
858.57

281+83.10, 64.33' RT
858.64

281+81.38, 54.22' RT
858.64

281+81.27, 64.31' RT
858.71

281+77.66, 53.68' RT
858.68

281+77.76, 48.91' RT
858.50

281+77.70, 47.08' RT
858.57

281+76.29, 63.59' RT
858.76

281+72.76, 67.05' RT
858.79

281+72.21, 67.59' RT
858.78

281+71.74, 69.36' RT
858.71

281+72.70, 47.24' RT
858.60

281+72.75, 49.07' RT
858.53

281+72.67, 53.14' RT
858.68

281+60.91, 64.66' RT
858.77

281+60.45, 66.43' RT
858.70

281+65.77, 59.90' RT
858.88

4.0%
3.6%
1.0%
5%
2.0%

281+76.38, 173.02' RT
860.91

281+74.44, 150.20' RT
860.60

281+70.20, 127.70' RT
860.10

281+63.68, 105.74' RT
859.25

281+63.35, 135.97' RT
861.19

281+58.49, 137.14' RT
861.29

281+49.54, 89.78' RT
858.57

281+53.85, 89.11' RT
858.65

281+50.81, 88.54' RT
858.55

281+52.11, 87.25' RT
858.62

4.0%
1.5%
VAR
TOP
MAX

281+44.04, 80.62' RT
858.49

281+43.03, 82.16' RT
858.41

281+41.50, 79.06' RT
858.45

281+42.54, 82.63' RT
858.42

281+45.33, 93.90' RT
858.99

281+41.75, 97.40' RT
859.07

281+38.18, 100.89' RT
859.14

281+37.40, 87.67' RT
858.86

281+30.67, 74.42' RT
858.60

281+29.93, 94.98' RT
859.02

281+18.18, 80.79' RT
859.39

281+15.53, 90.42' RT
859.56

281+09.38, 68.75' RT
858.73

1.5%
1.5%

WAUKESHA BYPASS

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

N

0 5 10
SCALE IN FEET

CURB RAMP DETAILS - WAUKESHA BYPASS AND USH 18/SUMMIT AVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

N

0 5 10

SCALE IN FEET

284+01.35, 62.67' LT
855.44

283+73.93, 68.63' LT
855.55 (HIGH POINT)

283+63.67, 71.29' LT
855.51

283+53.26, 107.39' LT
856.23

283+50.05, 109.71' LT
856.14

283+51.09, 102.84' LT
856.28

283+46.62, 112.72' LT
856.06

283+46.95, 105.79' LT
856.21

283+43.13, 109.14' LT
856.14

283+39.40, 93.31' LT
855.19

283+50.00, 77.12' LT
855.42

283+42.25, 83.02' LT
855.36

283+37.80, 90.66' LT
855.15

283+36.34, 89.55' LT
855.22

283+33.44, 138.59' LT
854.78

283+33.15, 94.32' LT
855.18

283+34.73, 95.25' LT
855.11

283+35.12, 95.90' LT
855.12

283+28.49, 137.87' LT
854.85

283+28.93, 103.49' LT
855.03

283+22.64, 65.59' LT
855.85

283+18.51, 58.76' LT
856.18

283+23.10, 67.36' LT
855.78

283+21.51, 63.71' LT
855.89

283+14.72, 52.50' LT
856.28

283+14.63, 49.74' LT
856.20

283+18.05, 68.67' LT
855.88

283+14.60, 49.07' LT
856.19

283+17.59, 66.90' LT
855.95

283+14.66, 47.24' LT
856.26

283+17.23, 66.30' LT
855.96

283+09.65, 47.08' LT
856.33

283+14.23, 61.35' LT
856.25

283+09.60, 48.91' LT
856.25

283+11.65, 57.07' LT
856.31

283+09.63, 49.92' LT
856.27

283+07.43, 57.72' LT
856.15

283+09.71, 52.31' LT
856.34

283+06.23, 57.90' LT
856.13

283+06.67, 52.78' LT
856.22

283+04.40, 57.98' LT
856.06

283+06.01, 52.88' LT
856.21

283+04.18, 52.96' LT
856.14

CURB RAMP TYPE 6

WAUKESHA BYPASS

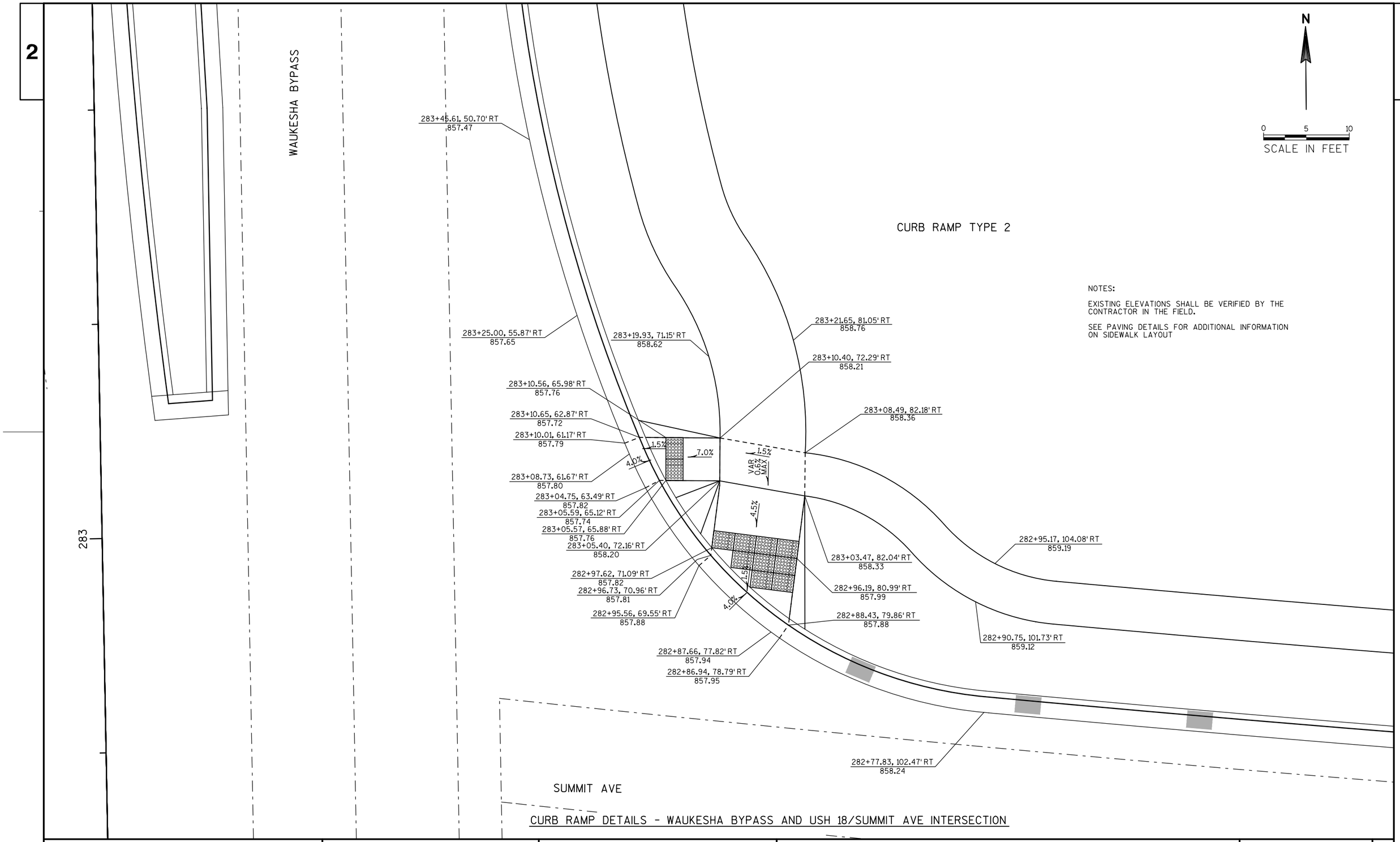
283

USH 18

CURB RAMP DETAILS - WAUKESHA BYPASS AND USH 18/SUMMIT AVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : FD_021008_cd.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 10:1



CURB RAMP TYPE 2

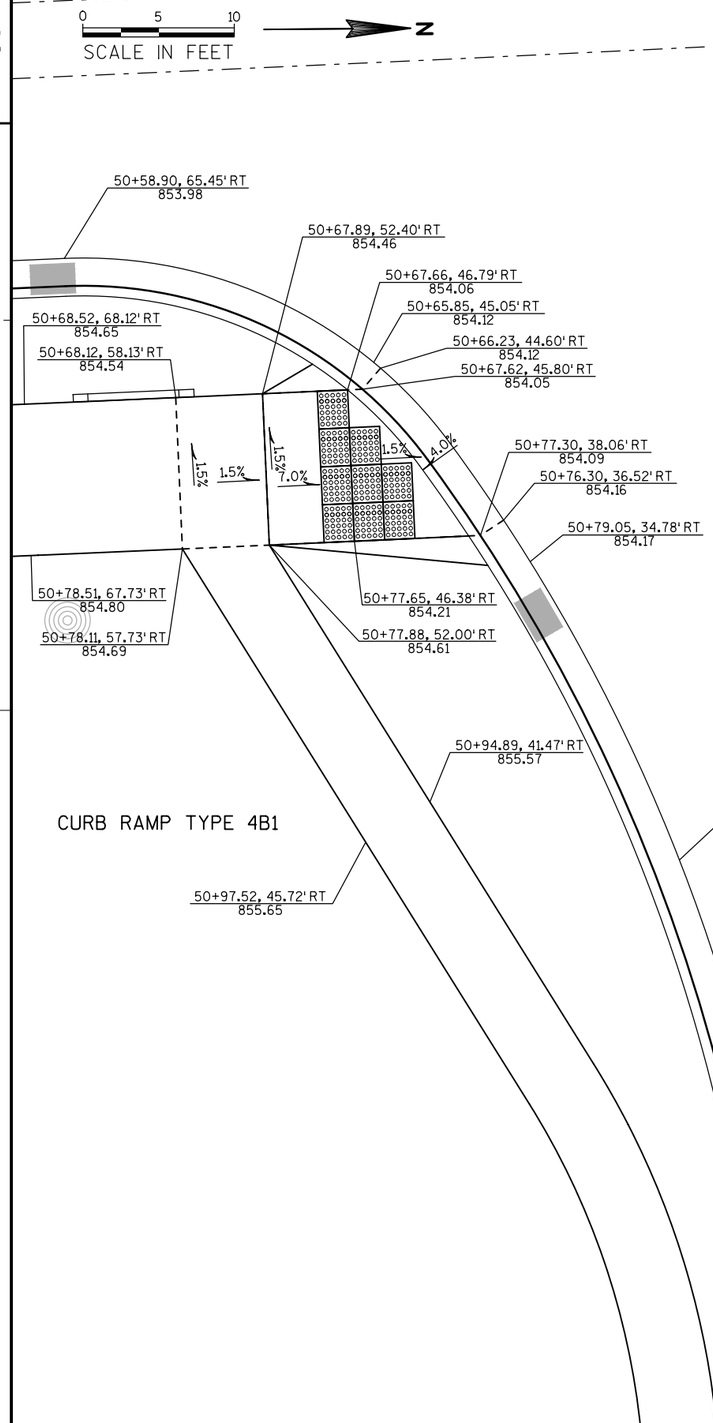
NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND USH 18/SUMMIT AVE INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND MEADOWBROOK SHOPPING CENTER DRIVEWAY INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

0 5 10
SCALE IN FEET

N

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP TYPE 4B1

49

48+80.96, 20.46' RT
850.98

48+40.65, 28.63' RT
850.71

49+13.95, 11.00' LT
851.87

49+01.09, 24.14' RT
851.57

48+40.26, 33.62' RT
850.63

49+25.85, 35.63' RT
852.04

49+25.47, 27.90' RT
851.93

49+26.93, 26.07' RT
852.00

1.5%
1.5%
1.5%
4.0%

49+32.07, 26.95' RT
852.09

49+31.88, 35.41' RT
852.12

49+36.07, 28.43' RT
852.16

49+31.59, 28.72' RT
852.02

49+43.74, 34.04' RT
852.60

CURB RAMP TYPE 4B1

49+25.29, 24.03' LT
852.28

49+25.29, 30.03' LT
852.70

49+25.69, 36.22' LT
852.77

49+26.97, 48.26' LT
853.40

49+24.47, 15.26' LT
852.21

49+26.10, 16.95' LT
852.27

49+25.29, 18.38' LT
852.19

1.5%
1.5%
1.5%
4.0%
7.0%

49+30.70, 22.02' LT
852.41

49+29.30, 23.19' LT
852.34

49+29.25, 24.19' LT
852.35

49+33.50, 25.73' LT
852.50

49+29.39, 35.15' LT
852.85

49+28.99, 30.18' LT
852.77

49+31.90, 48.53' LT
853.44

49+39.59, 38.96' LT
852.95

49+41.14, 53.44' LT
853.22

GAS STATION DRIVEWAY

WAUKESHA BYPASS

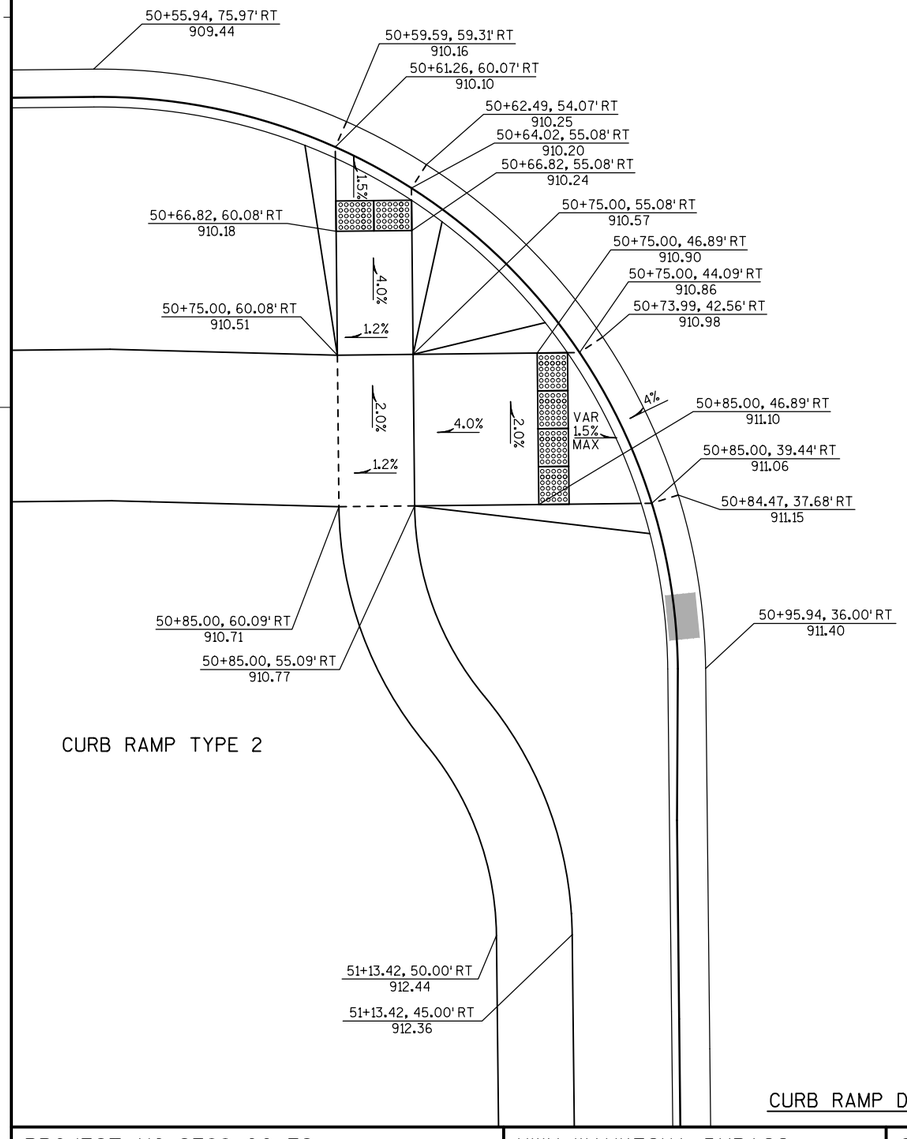
CURB RAMP DETAILS - WAUKESHA BYPASS AND GAS STATION DRIVEWAY INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

WAUKESHA BYPASS

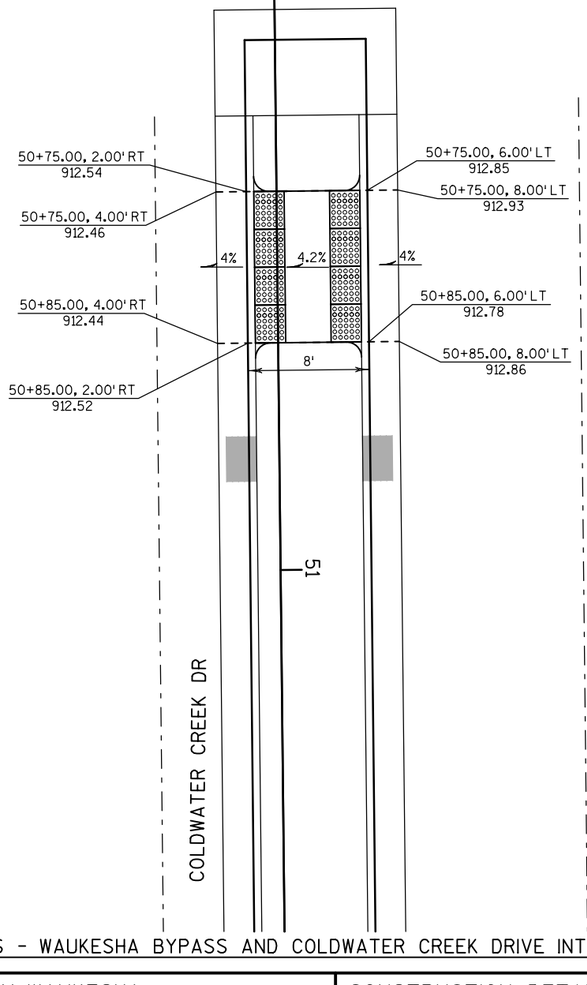
SCALE IN FEET 0 5 10 N

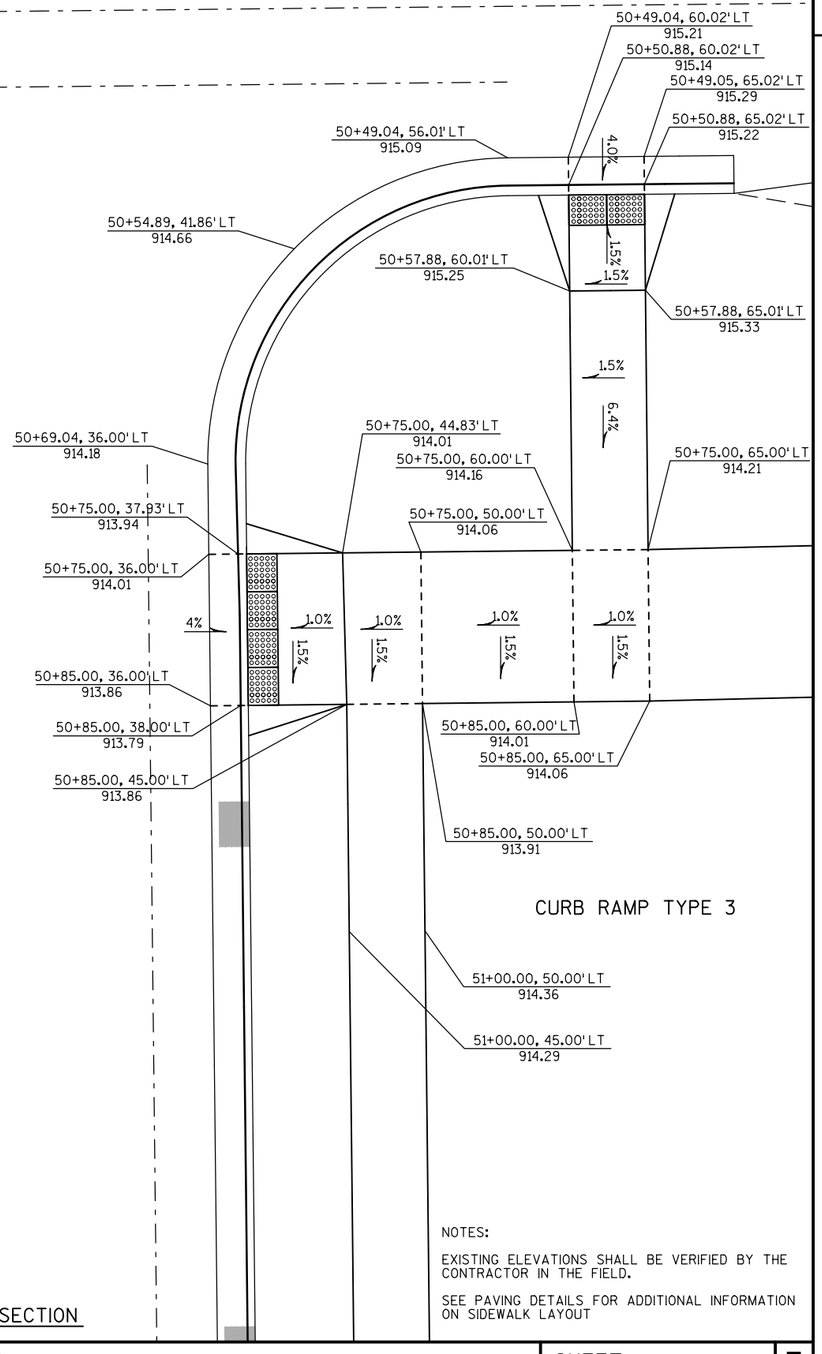
2



CURB RAMP TYPE 2

CURB RAMP TYPE 5





CURB RAMP TYPE 3

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND COLDWATER CREEK DRIVE INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

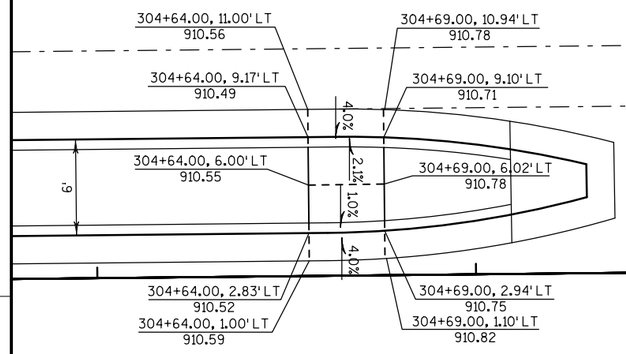
2

0 5 10
SCALE IN FEET

N

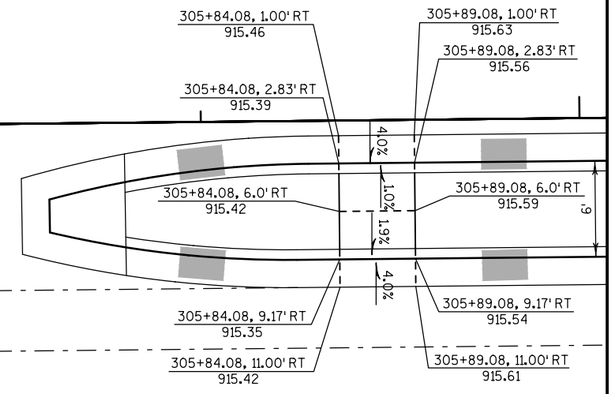
COLDWATER CREEK DR

CURB RAMP TYPE 5



305

WAUKESHA BYPASS



CURB RAMP TYPE 5

COLDWATER CREEK DR

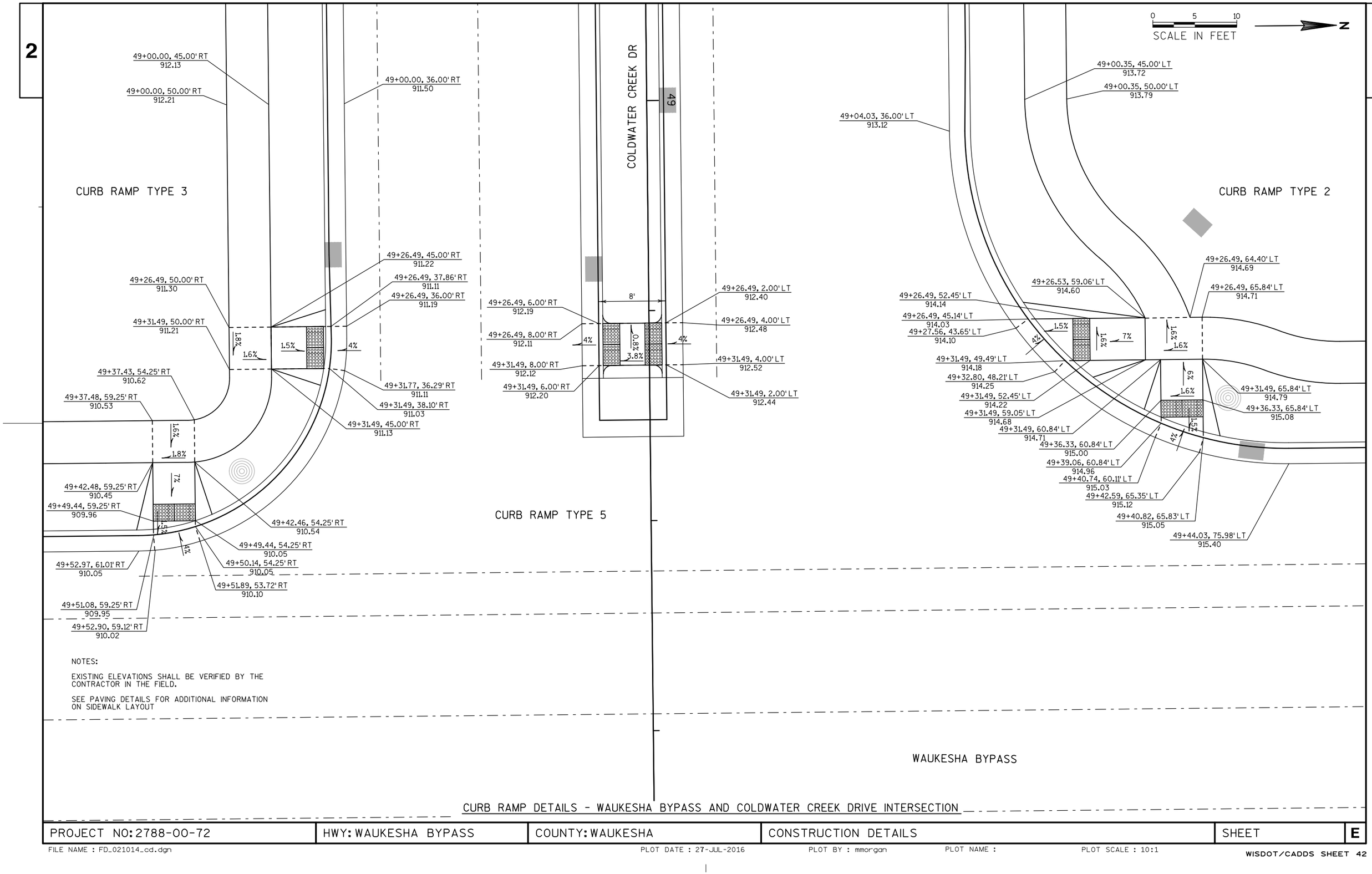
NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND COLDWATER CREEK DRIVE INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND COLDWATER CREEK DRIVE INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

NORTHVIEW ROAD

0 5 10
SCALE IN FEET

N

50

CURB RAMP TYPE 5

340+48.90, 81.06' LT
992.23

340+40.71, 67.03' LT
991.81

340+42.39, 65.94' LT
991.89

340+37.47, 62.58' LT
991.70

340+39.02, 61.31' LT
991.78

340+36.92, 62.69' LT
991.71

340+44.74, 95.59' LT
993.10

340+37.92, 67.59' LT
991.82

340+29.67, 64.17' LT
991.99

340+39.89, 96.79' LT
993.18

340+30.37, 69.13' LT
992.07

340+28.33, 54.62' LT
991.32

340+29.40, 52.31' LT
991.39

340+28.24, 53.94' LT
991.31

340+23.64, 48.76' LT
991.25

340+22.71, 50.53' LT
991.17

340+25.46, 70.13' LT
992.02

340+23.38, 55.32' LT
991.24

340+24.76, 65.17' LT
991.94

340+00.34, 43.00' LT
990.89

339+90.09, 58.50' LT
991.40

339+90.09, 53.50' LT
991.32

4.0%
10.3%
VAR
3.8%
MAX
1.0%
1.5%
7.0%
1.5%
4.0%

CURB RAMP TYPE 2

340+19.75, 2.56' RT
990.30

340+17.83, 13.00' RT
990.08

340+17.83, 15.00' RT
990.00

340+20.03, 4.54' RT
990.38

340+12.66, 13.00' RT
989.99

340+14.39, 3.31' RT
990.19

340+14.67, 5.29' RT
990.27

340+12.66, 15.00' RT
989.91

9'
4.0%
1.5%
4.0%
7'

340

WAUKESHA BYPASS

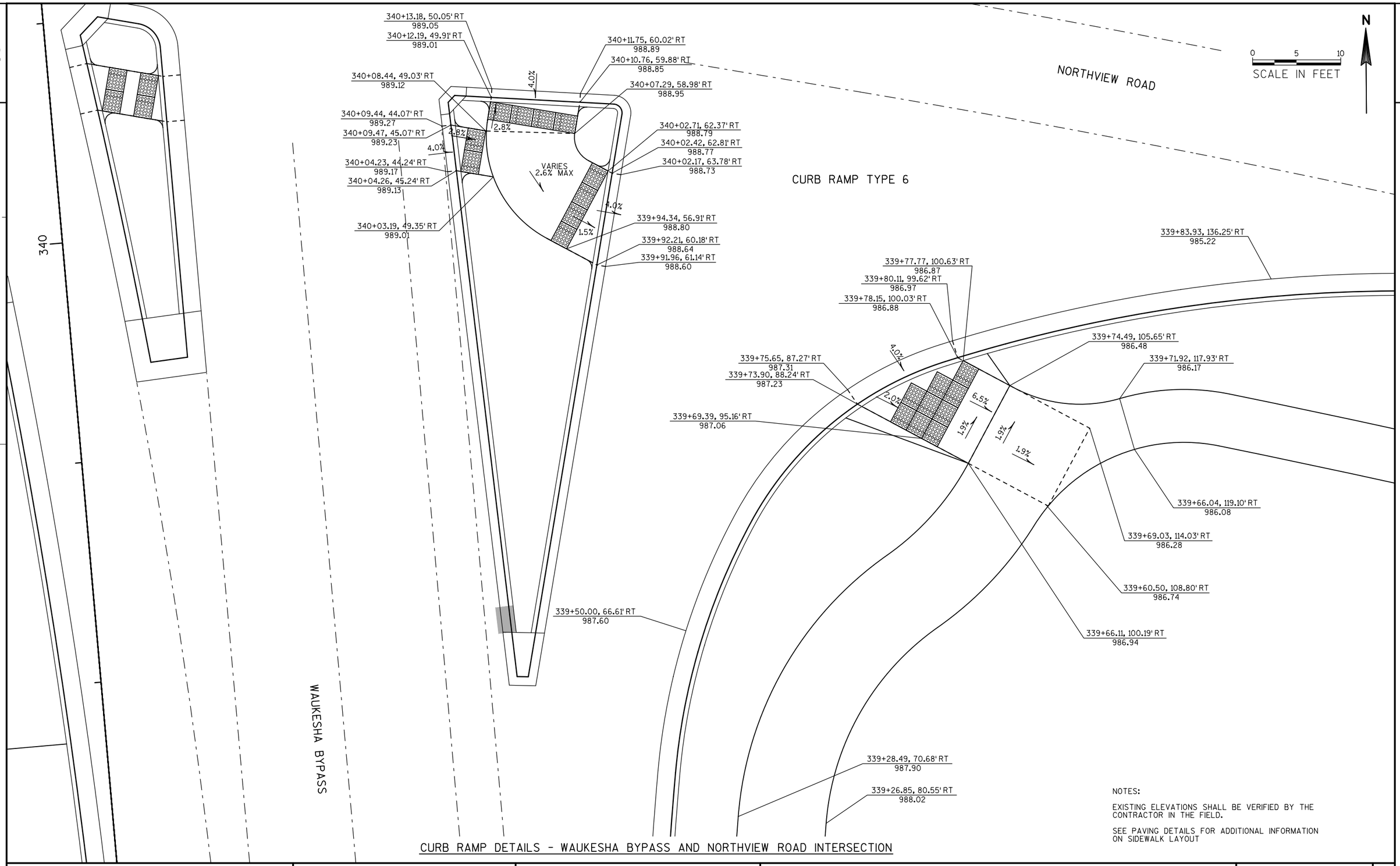
NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND NORTHVIEW ROAD INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



CURB RAMP DETAILS - WAUKESHA BYPASS AND NORTHVIEW ROAD INTERSECTION

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

N

0 5 10
SCALE IN FEET

341+48.88, 75.12' LT
993.55

341+51.19, 79.56' LT
993.63

341+43.35, 84.43' LT
993.14

341+39.80, 87.25' LT
993.05

341+36.48, 83.51' LT
992.98

341+31.50, 101.95' LT
993.94

341+26.70, 100.58' LT
993.86

341+21.72, 91.35' LT
992.60

341+13.69, 134.41' LT
993.89

341+27.85, 79.85' LT
992.55

341+32.18, 78.59' LT
992.52

341+30.39, 76.85' LT
992.60

341+31.85, 78.21' LT
992.52

341+35.50, 74.79' LT
992.58

341+34.23, 73.25' LT
992.66

341+35.94, 75.30' LT
992.58

341+37.35, 70.93' LT
992.70

341+40.39, 80.39' LT
993.07

341+57.18, 61.51' LT
992.77

1.5%

1.5%

7.0%

4.0%

WAUKESHA BYPASS

341+17.44, 52.50' LT
992.52

341+19.20, 54.69' LT
992.49

341+19.45, 55.66' LT
992.53

341+13.89, 56.06' LT
992.48

341+14.14, 57.03' LT
992.52

341+13.54, 55.64' LT
992.48

341+11.14, 52.66' LT
992.43

4.0%

341+12.77, 46.71' LT
992.72

341+12.19, 41.71' LT
992.35

341+12.16, 42.71' LT
992.31

341+1224, 43.21' LT
992.31

4.0%

341+07.11, 41.54' LT
992.28

341+07.08, 42.54' LT
992.28

341+07.29, 43.96' LT
992.32

341+07.95, 48.23' LT
992.35

341

CURB RAMP TYPE 6

NORTHVIEW ROAD

4.0%

340+91.62, 56.64' LT
992.33

340+90.77, 56.81' LT
992.33

340+89.78, 56.94' LT
992.37

340+90.62, 51.74' LT
992.26

340+90.13, 51.84' LT
992.26

340+89.14, 51.97' LT
992.30

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - WAUKESHA BYPASS AND NORTHVIEW ROAD INTERSECTION

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

0 5 10
SCALE IN FEET

N

WAUKESHA BYPASS

341

341+31.58, 40.00' RT
990.74

341+25.09, 57.07' RT
991.64

341+25.86, 67.04' RT
991.79

340+95.58, 68.20' RT
990.30

341+02.10, 44.44' RT
990.39

340+98.13, 52.36' RT
990.36

340+98.85, 47.71' RT
990.29

340+98.11, 45.85' RT
990.37

340+97.23, 58.29' RT
990.45

340+89.28, 68.83' RT
990.19

340+92.48, 78.78' RT
990.13

340+92.30, 50.83' RT
990.26

340+91.32, 49.08' RT
990.34

340+92.20, 51.46' RT
990.27

340+89.41, 50.21' RT
990.33

340+91.30, 57.39' RT
990.36

340+86.70, 90.82' RT
990.32

340+81.54, 87.75' RT
990.27

340+86.02, 78.82' RT
990.03

340+80.84, 78.14' RT
989.95

340+81.42, 56.21' RT
990.10

340+83.37, 68.46' RT
990.10

340+73.10, 76.12' RT
989.45

340+74.65, 63.56' RT
989.70

340+73.48, 65.15' RT
989.67

340+75.11, 66.31' RT
989.59

340+75.62, 66.45' RT
989.60

340+69.96, 75.31' RT
989.40

340+65.10, 83.13' RT
989.32

340+68.14, 74.49' RT
989.48

4.0%
1.5%
6.3%

CURB RAMP TYPE 2

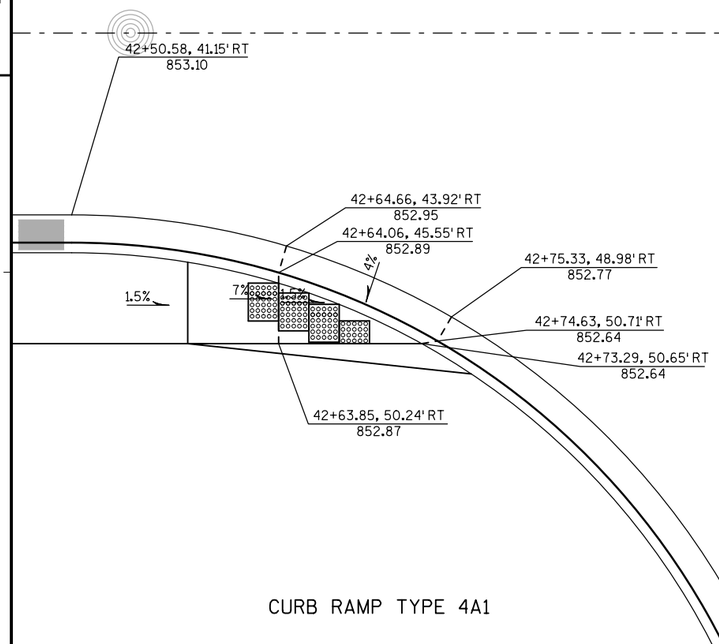
NORTHVIEW ROAD

50

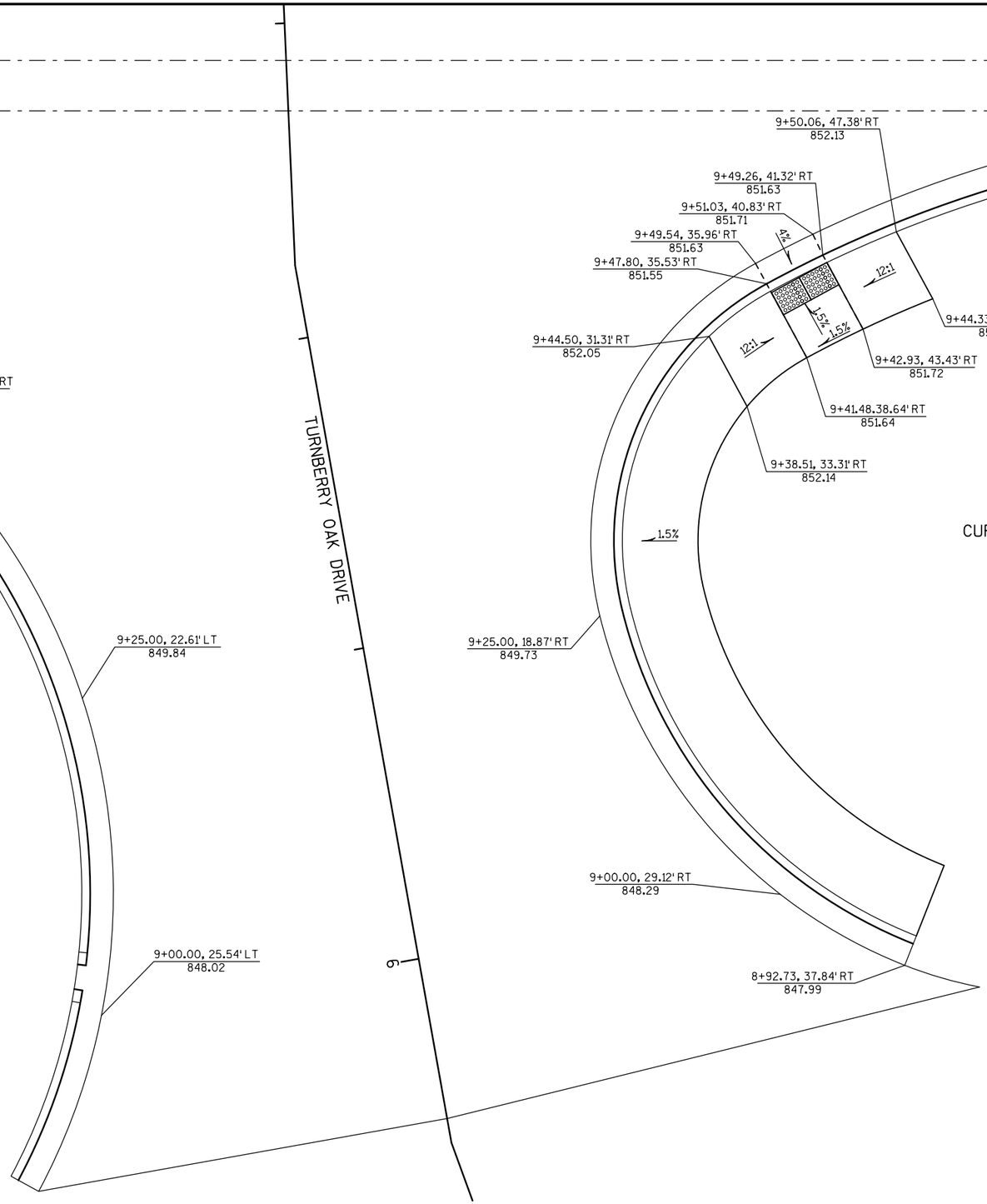
CURB RAMP DETAILS - WAUKESHA BYPASS AND NORTHVIEW ROAD INTERSECTION

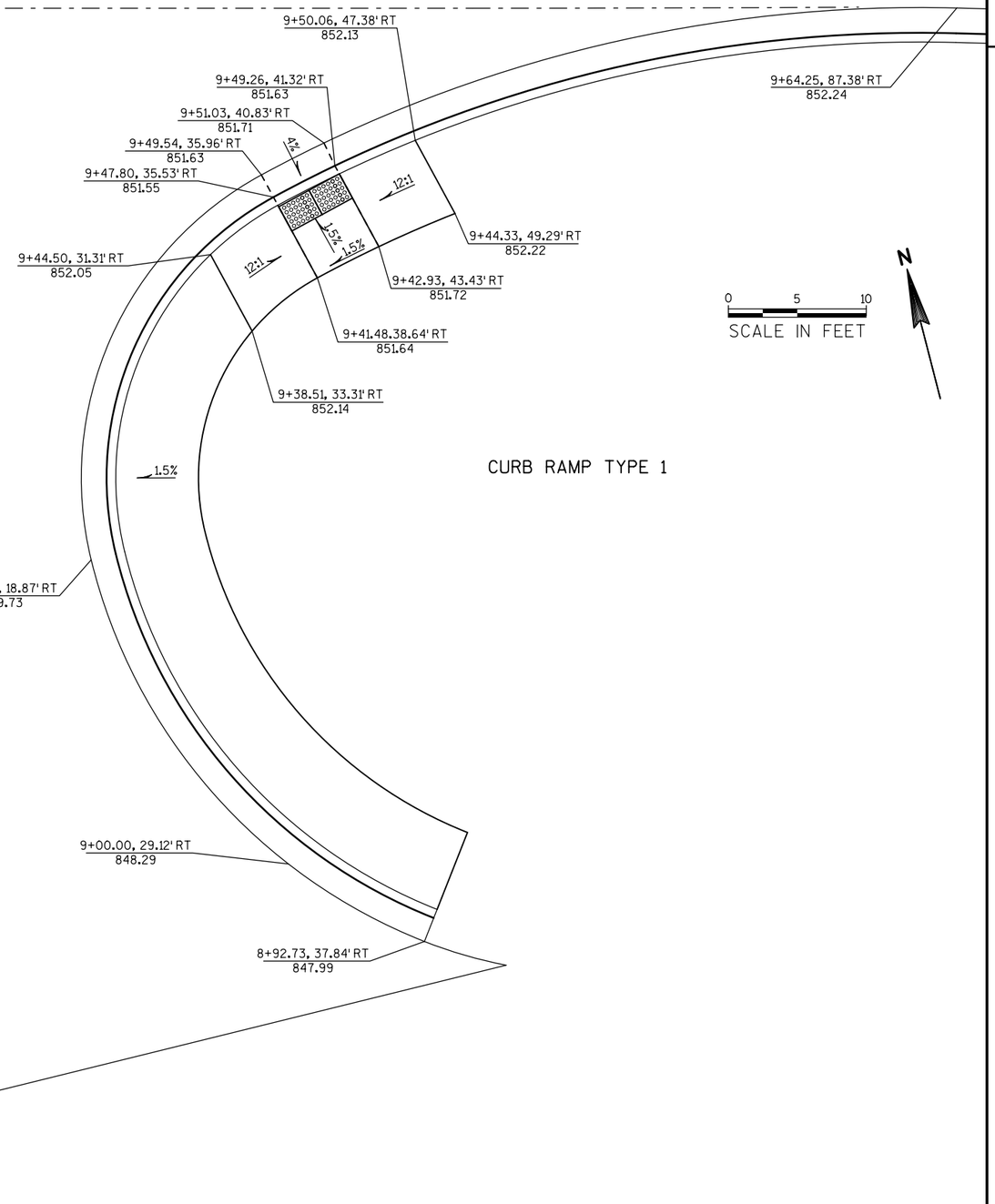
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

USH 18



CURB RAMP TYPE 4A1





CURB RAMP TYPE 1

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - USH 18 AND TURNBERRY OAK DRIVE INTERSECTION

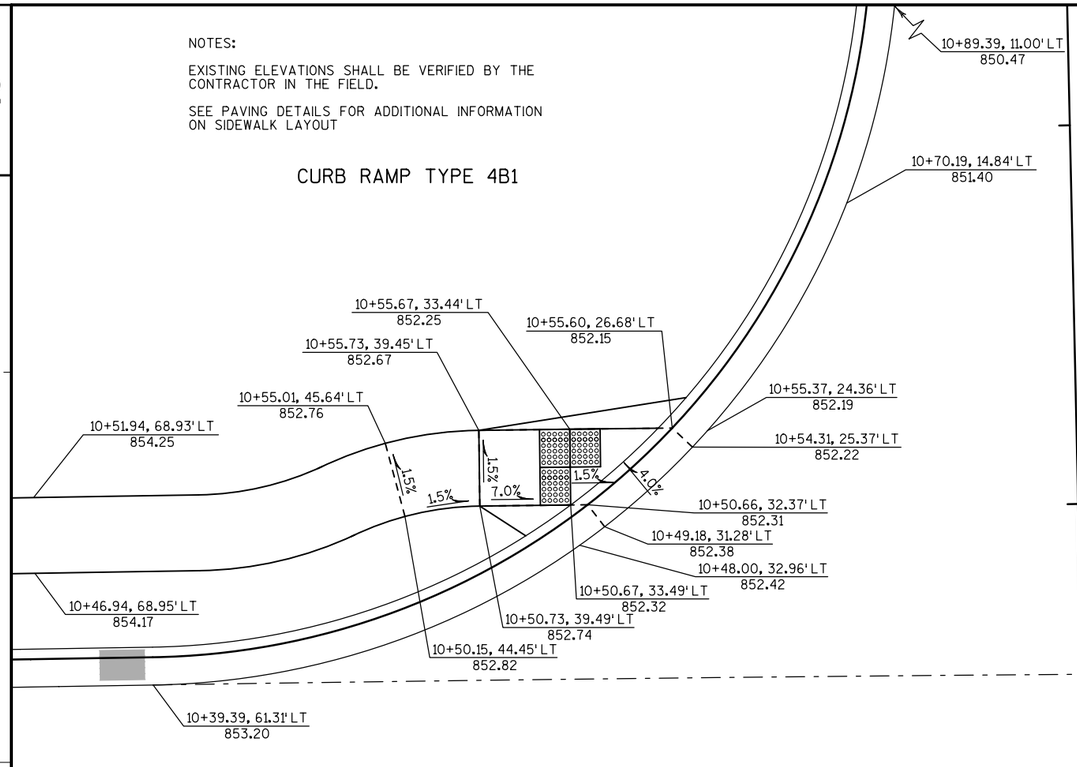
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

NOTES:

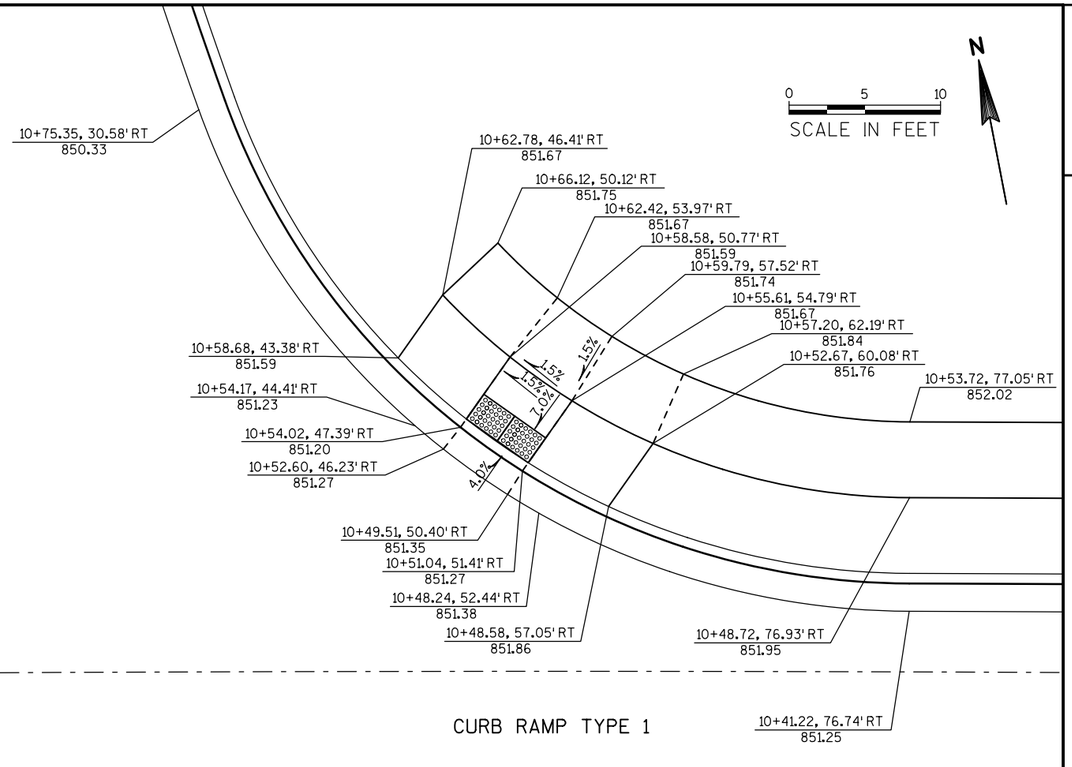
EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP TYPE 4B1



TORHORST RD

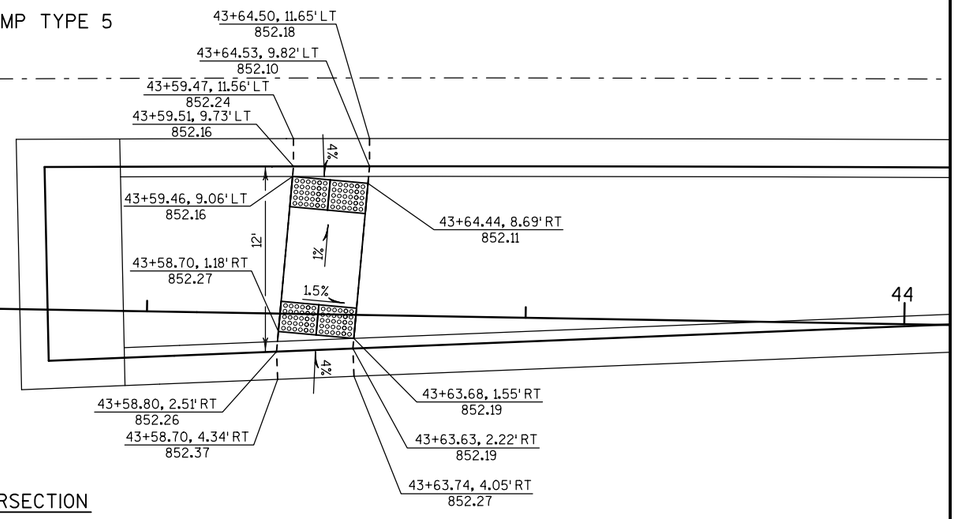


0 5 10
SCALE IN FEET

N

CURB RAMP TYPE 1

CURB RAMP TYPE 5



USH 18

43

44

CURB RAMP DETAILS - USH 18 AND TORHORST ROAD INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

SUMMIT AVE

GOOD TIMES SUMMER DAY CAMP DRIVEWAY

N

0 5 10

SCALE IN FEET

2

9+54.32, 64.89' LT
869.73

9+56.15, 64.88' LT
869.80

9+56.18, 69.88' LT
869.73

9+54.34, 69.89' LT
869.65

9+48.60, 49.82' LT
870.35

9+48.60, 43.82' LT
870.44

9+50.22, 41.50' LT
870.54

9+48.60, 42.37' LT
870.47

9+45.04, 33.70' LT
870.78

9+43.61, 34.85' LT
870.70

9+48.67, 69.92' LT
870.00

9+43.68, 69.95' LT
870.07

9+43.65, 64.94' LT
870.15

9+43.60, 43.82' LT
870.52

9+43.60, 49.82' LT
870.43

9+48.65, 64.92' LT
870.07

4%

6.2%

1.5%

1.5%

1.5%

1.5%

1.5%

4%

9+30.02, 20.95' LT
870.88

9+10.38, 13.05' LT
870.16

CURB RAMP TYPE 2

9+57.26, 51.40' RT
874.29

9+50.21, 40.34' RT
873.71

9+50.15, 34.34' RT
873.29

9+50.14, 32.97' RT
873.29

9+51.72, 32.03' RT
873.36

9+50.26, 45.34' RT
873.79

9+45.37, 23.89' RT
873.10

9+44.26, 45.40' RT
873.70

9+44.21, 40.40' RT
873.62

9+44.15, 34.39' RT
873.20

9+44.08, 25.20' RT
873.03

9+25.00, 14.47' RT
871.83

9+13.07, 12.00' RT
871.13

4%

1.5%

7%

1.5%

1.5%

1.5%

CURB RAMP TYPE 4B1

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - SUMMIT AVE AND GOOD TIMES SUMMER CAMP DRIVEWAY INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

N

0 5 10
SCALE IN FEET

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP TYPE 2

10+91.44, 18.00' LT
869.49

10+71.91, 23.97' LT
869.36

10+71.85, 29.40' LT
869.41

10+71.81, 33.40' LT
869.47

10+72.48, 21.74' LT
869.39

10+71.17, 22.29' LT
869.38

10+66.88, 26.56' LT
869.29

10+65.95, 24.99' LT
869.34

10+66.85, 29.35' LT
869.33

10+66.81, 33.35' LT
869.39

1.5%
1.5%
1.5%
4%

55+42.21, 59.00' LT
868.31

55+47.28, 59.00' LT
868.38

55+25.00, 59.00' LT
868.01

1.5%
1.5%
1.5%
7%
4%

55+25.00, 54.00' LT
867.93

55+42.21, 54.00' LT
868.23

55+47.28, 54.00' LT
868.31

10+50.00, 40.03' LT
868.79

55+42.34, 44.83' LT
867.59

55+42.34, 43.00' LT
867.66

55+47.40, 44.83' LT
867.67

55+47.40, 43.00' LT
867.74

MEADOWBROOK SHOPPING CENTER DRIVEWAY

SUMMIT AVE

CURB RAMP TYPE 5

55+47.83, 11.00' LT
868.61

55+42.82, 11.00' LT
868.45

55+47.83, 9.17' LT
868.69

55+42.82, 9.17' LT
868.53

4%
0.82%
8'
4%

55

56

55+47.93, 1.43' LT
868.75

55+42.92, 1.37' LT
868.58

55+47.95, 0.40' RT
868.82

55+42.95, 0.46' RT
868.65

CURB RAMP DETAILS - SUMMIT AVE AND MEADOWBROOK SHOPPING CENTER DRIVEWAY INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

2

11

MEADOWBROOK SHOPPING CENTER DRIVEWAY

0 5 10
SCALE IN FEET

N

CURB RAMP TYPE 4B1

10+92.14, 43.30' RT
871.24

10+88.26, 40.15' RT
871.16

10+90.56, 26.82' RT
870.44

10+73.02, 41.59' RT
871.08

10+73.15, 47.57' RT
871.50

10+73.26, 52.57' RT
871.57

10+73.85, 76.46' RT
872.59

10+71.88, 35.48' RT
871.10

10+72.92, 36.99' RT
871.02

10+66.80, 39.42' RT
871.20

10+68.00, 40.81' RT
871.12

10+68.02, 41.68' RT
871.12

1.5%

7.0%

4.0%

0.8%

1.4%

0.8%

10+68.85, 76.59' RT
872.52

10+68.26, 52.68' RT
871.61

10+68.15, 47.68' RT
871.54

10+53.85, 55.26' RT
872.34

10+46.11, 86.43' RT
873.84

SUMMIT AVE

NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - SUMMIT AVE AND MEADOWBROOK SHOPPING CENTER DRIVEWAY INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

2

62

2

SUMMIT AVE

N

0 5 10

SCALE IN FEET

CHURCH, SPORTS COMPLEX, AND FIRE STATION DRIVEWAY

61+83.91, 29.33' RT
895.01

62+10.58, 45.80' RT
895.59

62+00.00, 45.93' RT
895.90

62+16.58, 45.80' RT
895.42

62+17.48, 45.80' RT
895.41

62+18.85, 44.58' RT
895.48

VAR
2.9%
MAX

4%

1.5%

62+23.46, 50.84' RT
895.38

62+21.90, 51.80' RT
895.31

62+00.00, 51.93' RT
895.81

62+10.58, 51.80' RT
895.54

62+16.58, 51.80' RT
895.39

62+29.96, 77.54' LT
893.83

CURB RAMP TYPE 4B1

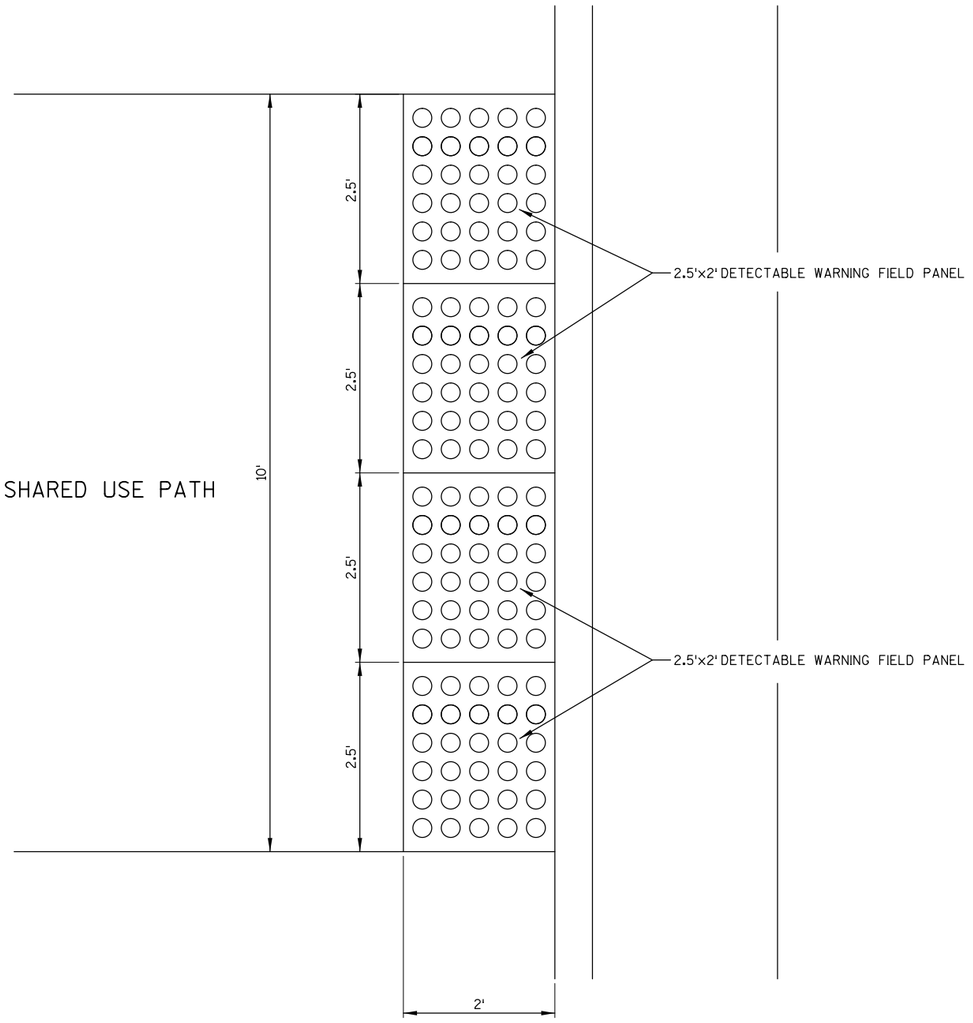
NOTES:

EXISTING ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION ON SIDEWALK LAYOUT

CURB RAMP DETAILS - SUMMIT AVE AND CHURCH, SPORTS COMPLEX, AND FIRE STATION DRIVEWAY INTERSECTION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



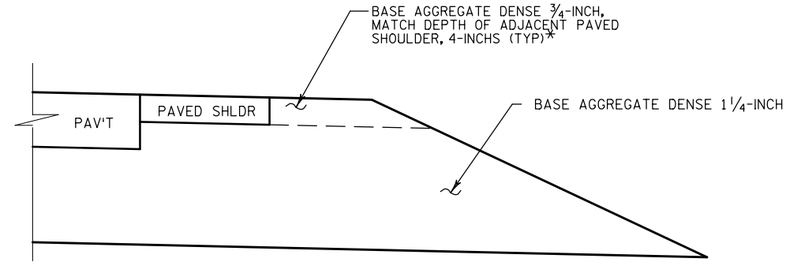
DETECTABLE WARNING FIELD FOR SHARED USE PATH

NOTES

THE DETECTABLE WARNING FIELD SHALL BE PLACED AT THE EDGE OF THE PAVED PORTION OF THE PATH WIDTH.

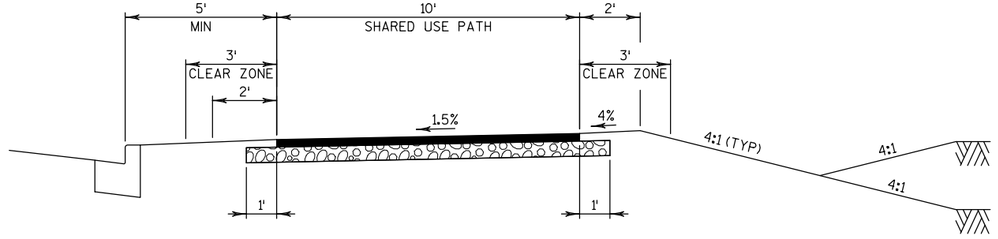
DO NOT PROVIDE SPACE BETWEEN MULTIPLE PANELS.

MAINTAIN A MAXIMUM 5-FOOT DISTANCE BETWEEN BACK OF CURB RAMP AND NEAR EDGE OF DWF PANEL(S). IF THIS DISTANCE EXCEEDS 5 FEET, MAINTAIN THE FULL-WIDTH DWF PANEL CONFIGURATION AND PROVIDE AN ADDITIONAL, STAGGERED PANEL TO REDUCE THIS DIMENSION TO LESS THAN 5 FEET. DO NOT STAGGER THE PANELS TRANSVERSALLY ACROSS THE SIDEWALK OR PATH.



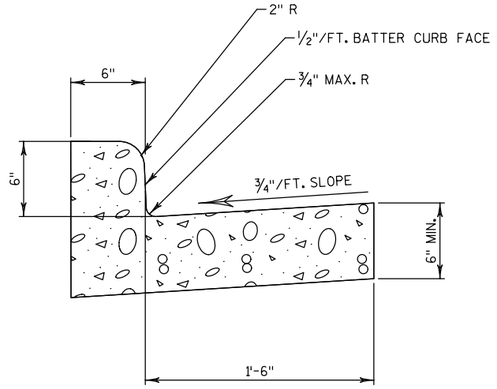
* IF NO PAVED SHOULDER IS PRESENT, ONLY 3-INCHES OF BASE AGGREGATE DENSE 3/4- INCH IS REQUIRED

BASE AGGREGATE DENSE DETAIL

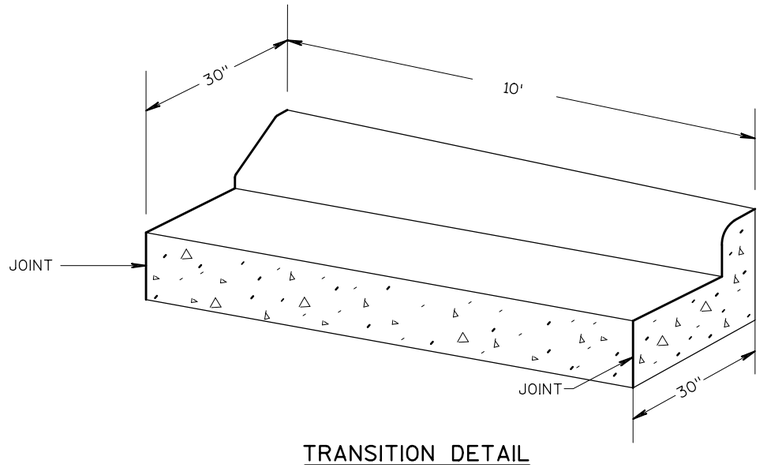


SHARED USE PATH CLEAR ZONE

NOTE:
CLEAR ZONE SHALL BE CLEAR OF TREES, ABUTMENTS, POLES, CULVERTS, GUARDRAILS, UTILITIES AND OTHER POTENTIAL HAZARDS.

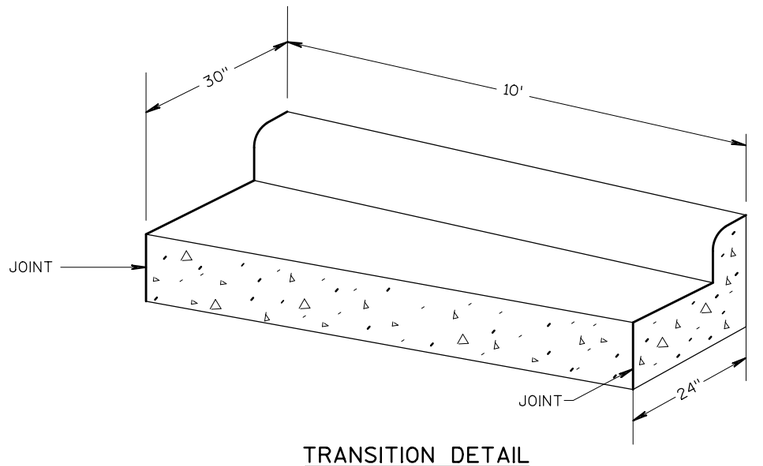


CONCRETE CURB & GUTTER 24-INCH DETAIL



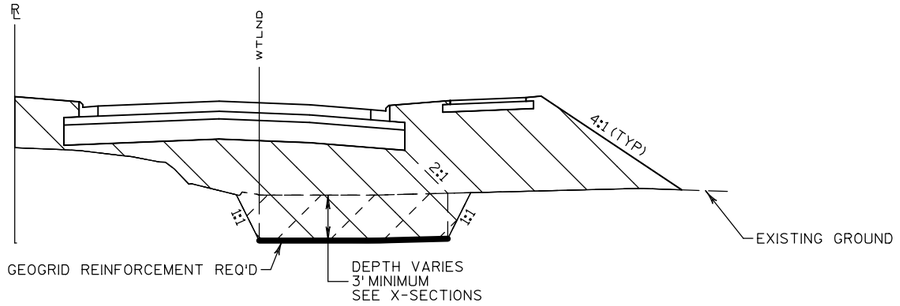
TRANSITION DETAIL

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
TO CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
(TO BE PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G)



TRANSITION DETAIL

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



MARSH EXCAVATION DETAIL

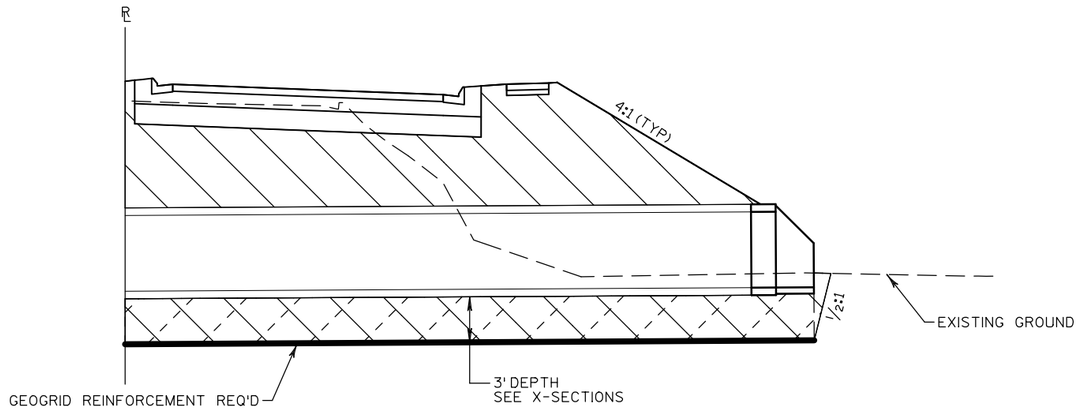
EXCAVATION AREA

FILL & BACKFILL AREA

NOTES:

THE BACKFILL PLACED IN THE LOWER 3 FEET OF THE EXCAVATION AREA SHOULD CONSIST OF BREAKER RUN.

THE SEAMS BETWEEN GEOGRID STRIPS SHOULD BE OVERLAPPED A MINIMUM OF 2 FEET OR THE AMOUNT RECOMMNDED BY THE MANUFACTURER.



MARSH EXCAVATION AT CULVERTS DETAIL

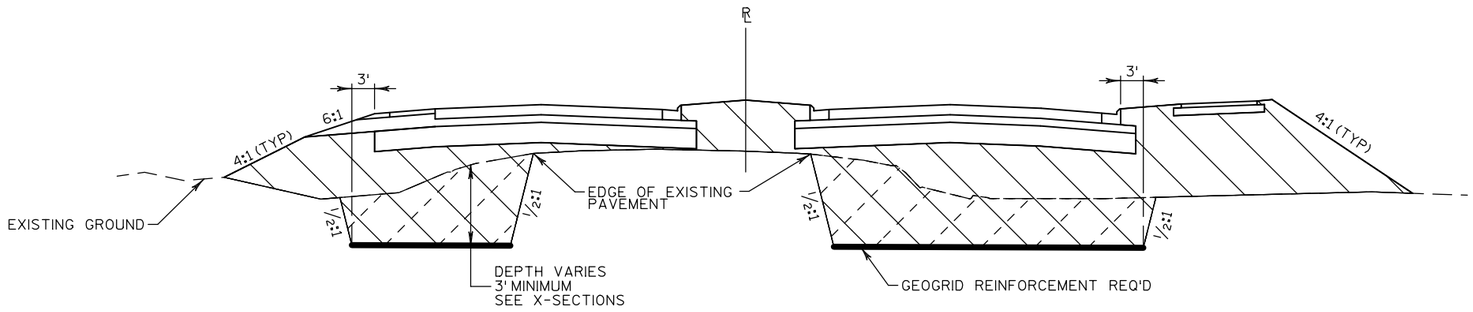
EXCAVATION AREA

FILL & BACKFILL AREA

NOTES:

THE BACKFILL PLACED IN THE LOWER 3 FEET OF THE EXCAVATION AREA SHOULD CONSIST OF BREAKER RUN.

THE SEAMS BETWEEN GEOGRID STRIPS SHOULD BE OVERLAPPED A MINIMUM OF 2 FEET OR THE AMOUNT RECOMMNDED BY THE MANUFACTURER.



EXCAVATION BELOW SUBGRADE (EBS) DETAIL

EXCAVATION AREA

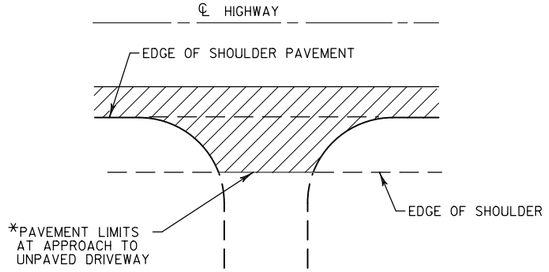
FILL & BACKFILL AREA

NOTES:

THE BACKFILL PLACED IN THE LOWER 3 FEET OF THE EXCAVATION AREA SHOULD CONSIST OF BREAKER RUN.

THE SEAMS BETWEEN GEOGRID STRIPS SHOULD BE OVERLAPPED A MINIMUM OF 2 FEET OR THE AMOUNT RECOMMNDED BY THE MANUFACTURER.

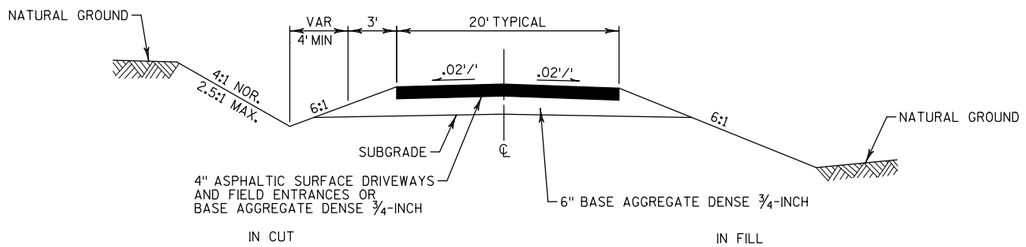
PROJECT NO: 2788-02-70/00-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



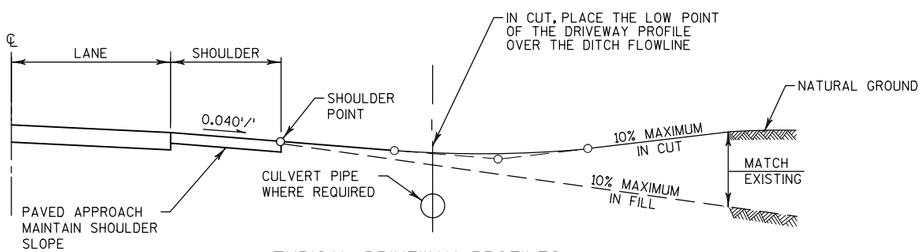
*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL

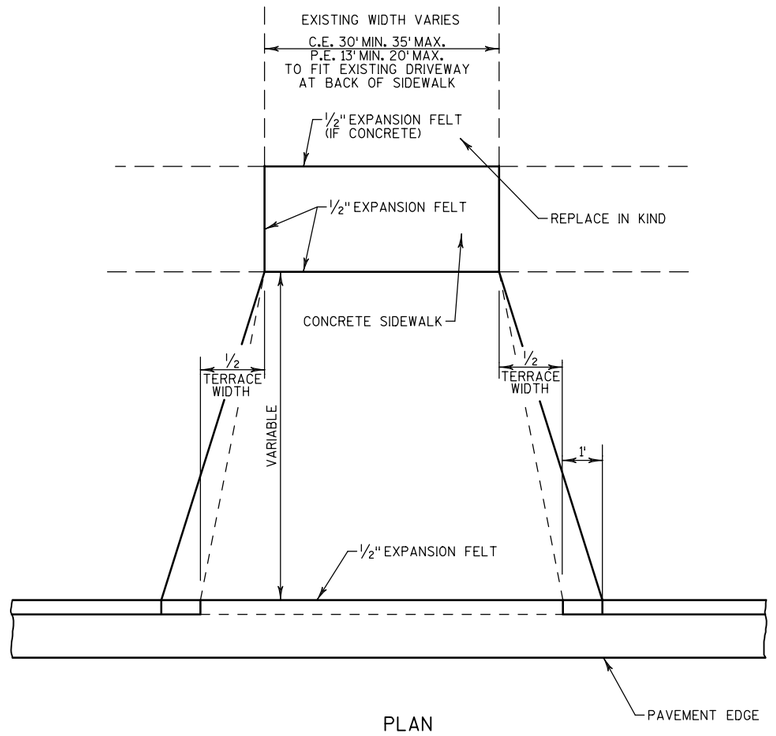


TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE

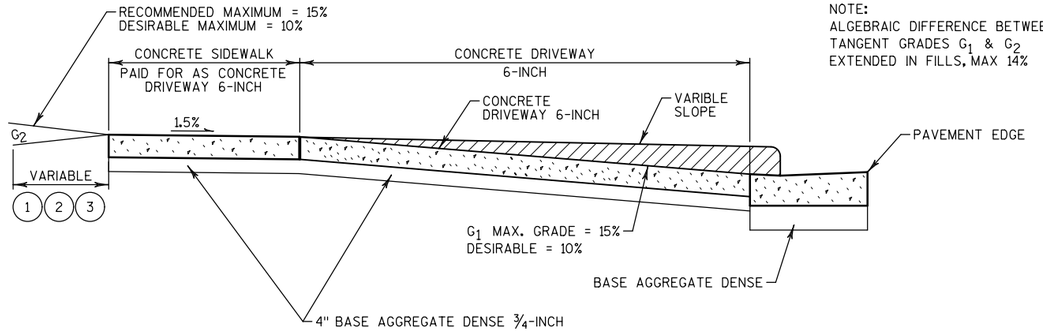


TYPICAL DRIVEWAY PROFILES

RURAL DRIVEWAY DETAIL



PLAN

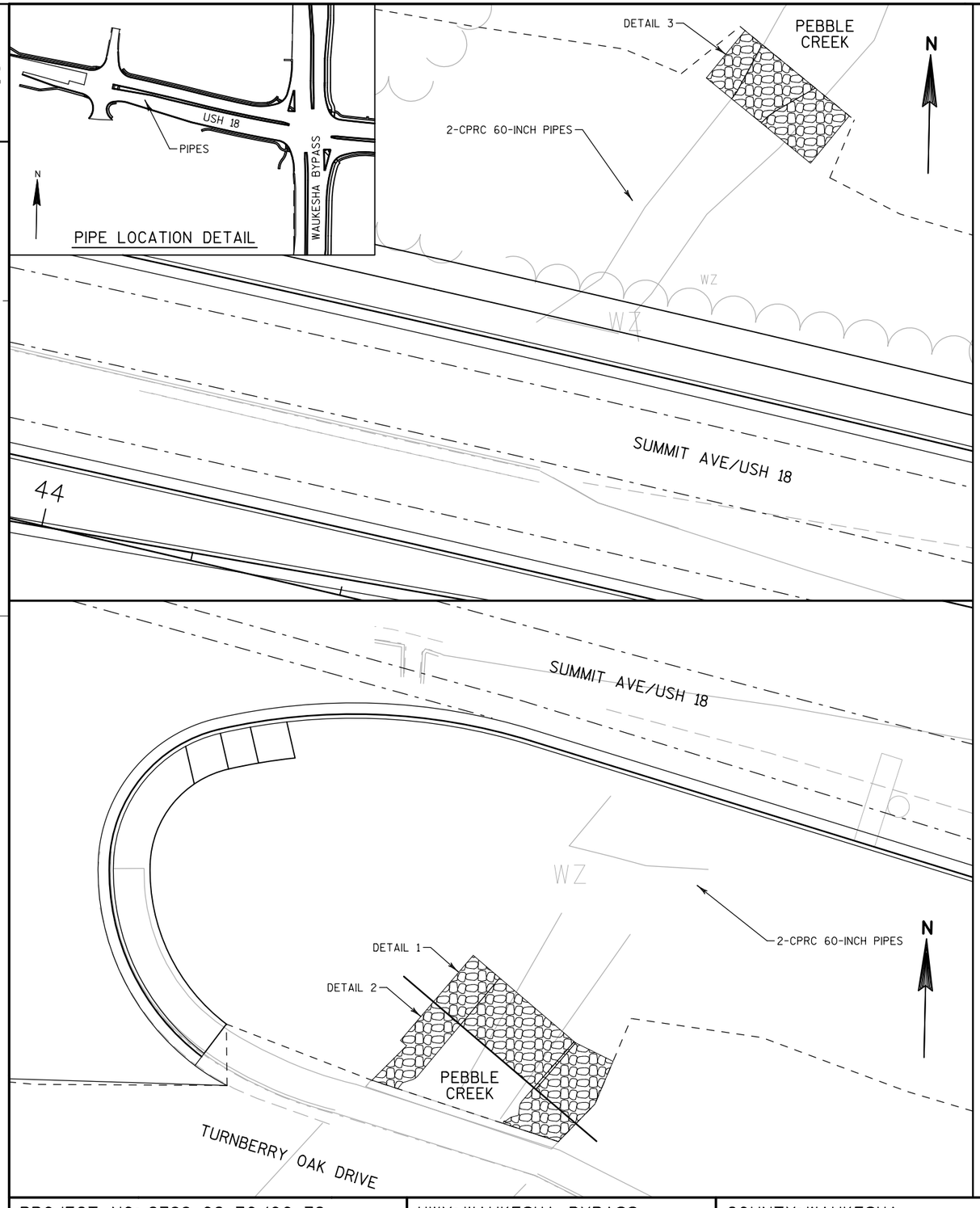


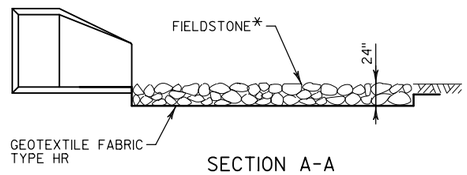
NOTE:
ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G_1 & G_2 EXTENDED IN FILLS, MAX 14%

PROFILE

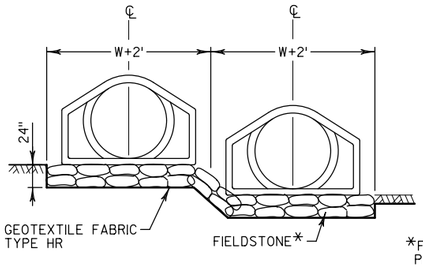
1. 6" BASE AGGREGATE DENSE ¾-INCH WITH 4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
2. 6" BASE AGGREGATE DENSE ¾-INCH WITH CONCRETE DRIVEWAY 6-INCH
3. 10" BASE AGGREGATE DENSE ¾-INCH

URBAN DRIVEWAY DETAIL

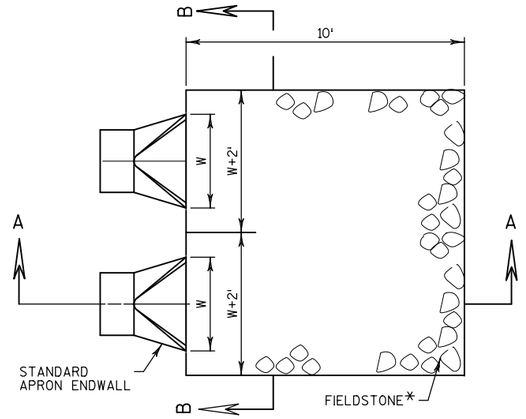




SECTION A-A



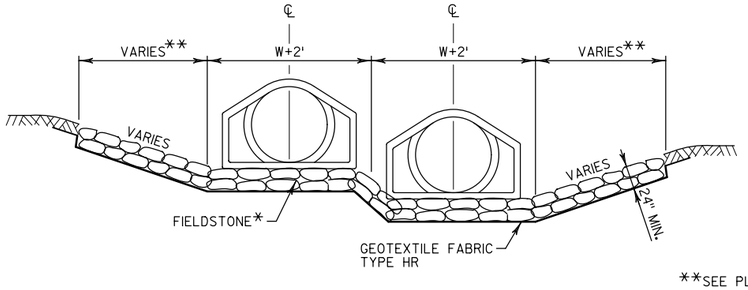
SECTION B-B



*FIELDSTONE CANNOT BE PLACED ABOVE PIPE INVERT

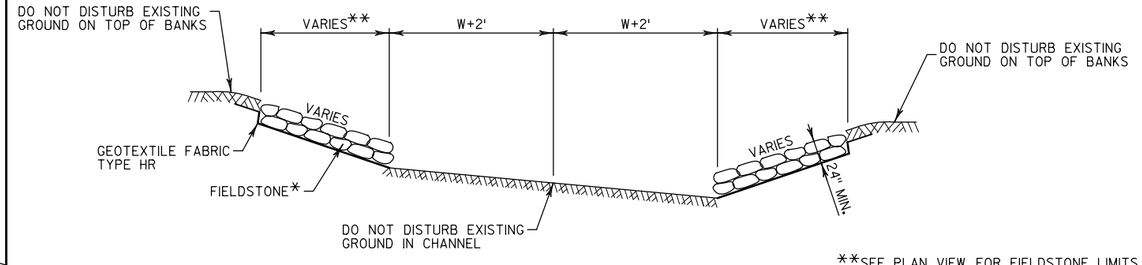
NOTE: FIELDSTONE MATERIAL AND CONTRUCTION PER FIELDSTONE RIPRAP HEAVY SPECIFICATIONS

DETAIL 3 FIELDSTONE AND GEOTEXTILE FABRIC DETAIL AT ENDWALLS IN PEBBLE CREEK



**SEE PLAN VIEW FOR FIELDSTONE LIMITS

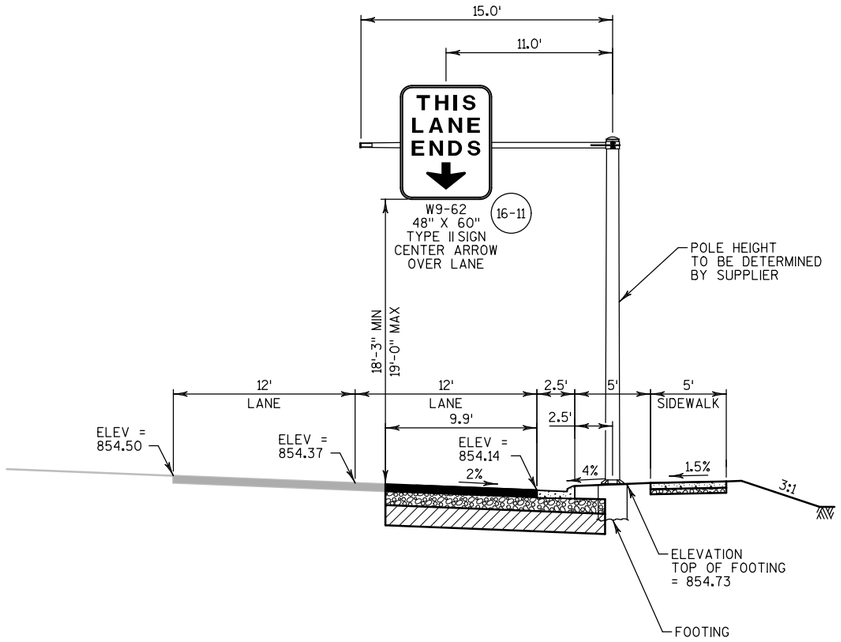
DETAIL 1 FOR SPECIAL DITCH WITH FIELDSTONE AND GEOTEXTILE FABRIC



**SEE PLAN VIEW FOR FIELDSTONE LIMITS

DETAIL 2 FOR SPECIAL DITCH WITH FIELDSTONE AND GEOTEXTILE FABRIC

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



OVERHEAD SIGN SUPPORT DETAIL

S-67-977
USH 18
WESTBOUND (LOOKING WEST)
STA 42+00

NOTE, CONTRACTOR SHALL:

1. SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT TO TOM HEYDEL, SE REGION TRAFFIC OPS, WISDOT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2. PROVIDE DESIGN CALCULATIONS.
3. SHOW SIGNS ON SHOP DRAWINGS.
4. I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
5. 6 ANCHOR RODS SHALL BE USED.
6. MOUNTING BRACKETS FOR TYPE II SIGNS TO BE FROM APPROVED PRODUCT LIST AND ARE INCIDENTAL TO OVERHEAD SIGN SUPPORT.
7. TYPE I SIGNS SHALL USE I5x3.7 I-BEAMS TO MOUNT SIGNS. THEY ARE INCIDENTAL TO OVERHEAD SIGN SUPPORT.

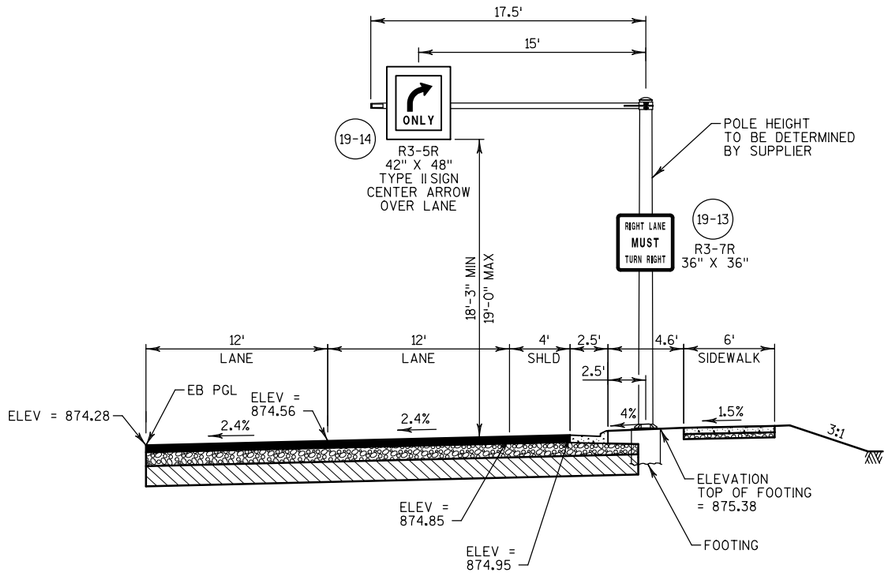
ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

ALLOWABLE SOIL BEARING PREASURE = 3000 PSF

NOTE:
FOOTINGS SHALL BE PER SDD "30-INCH DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE" AND INCIDENTAL TO STRUCTURE.



OVERHEAD SIGN SUPPORT DETAIL

S-67-976
SUMMIT AVE
EASTBOUND (LOOKING EAST)
STA 56+80

GENERAL NOTES

DRAWINGS NOT TO SCALE

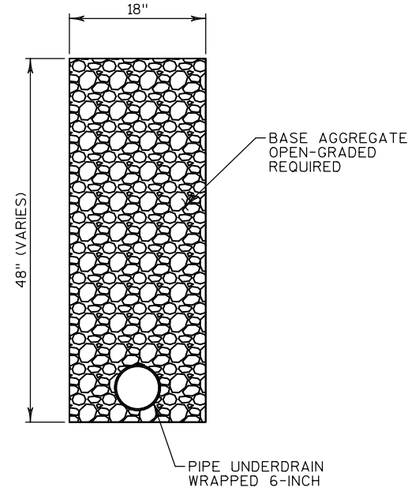
DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGN SHOWN.

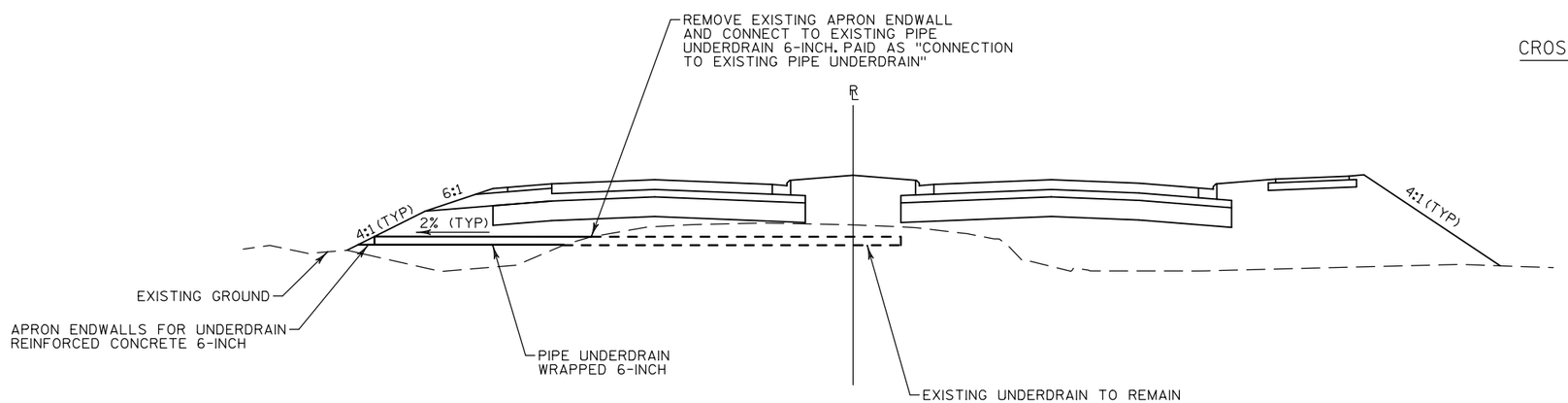
WIND VELOCITY PER WISDOT STD SPECIFICATIONS

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	OVERHEAD SIGN SUPPORT DETAIL	SHEET	E



CROSS SECTION VIEW OF PIPE



PIPE UNDERDRAIN EXTENSIONS DETAIL

NOTES:

SEE PLAN SHEETS FOR LOCATIONS AND LENGTHS OF EXTENSIONS
EXISTING LONGITUDINAL DRAINTILE SHALL BE REMOVED

PROJECT NO: 2788-02-70/00-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

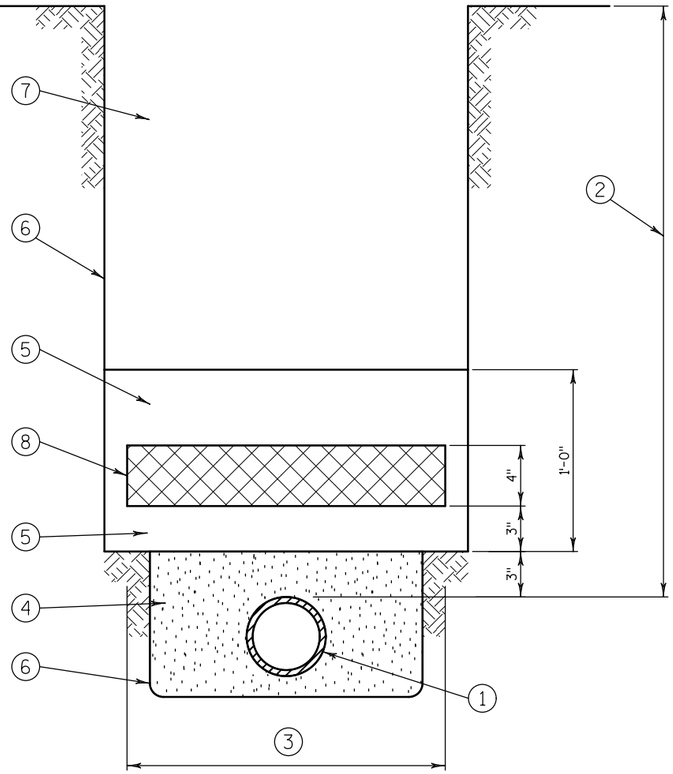
2

① WATER MAIN
② COVER, 4.5' MINIMUM
③ O.D. + 24"
④ BEDDING
⑤ MASON SAND
⑥ TRENCH WALL
⑦ BACKFILL
⑧ CLOSED CELL EXTRUDED POLYSTYRENE FOAM BOARDS
⑨ 1:8 MIX PERLITE OR VERMICULATE CONCRETE

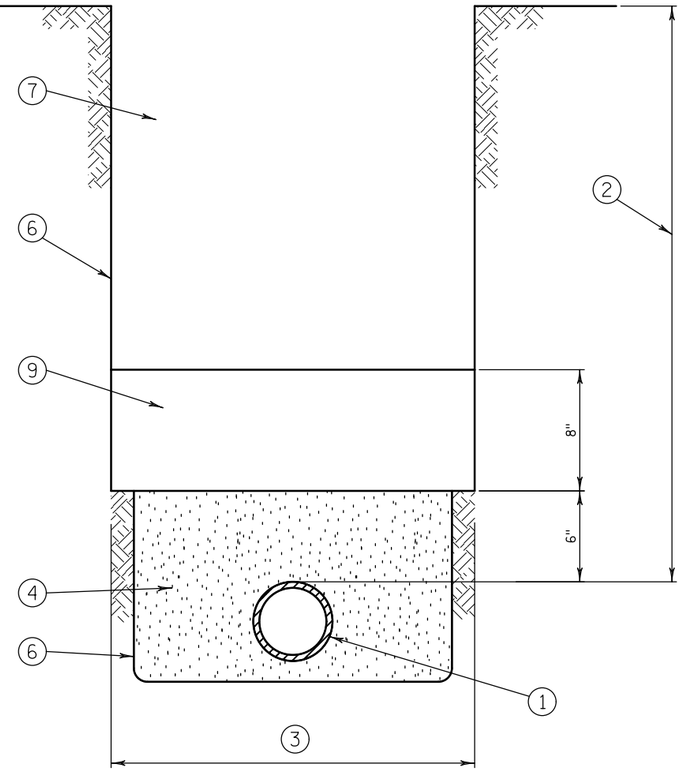
NOTE: IF ② IS LESS THAN 4.5': EXTEND ⑧ DOWN BOTH SIDES TO PIPE FLOWLINE

NOTES:

1. POLYETHYLENE FILM ENVELOPE NOT SHOWN.
2. WHEN INSULATING CONCRETE IS USED, 8" ENCASEMENT OF THE PIPE MAY BE USED AS AN ALTERNATIVE INSTALLATION WITH APPROVAL OF THE ENGINEER.

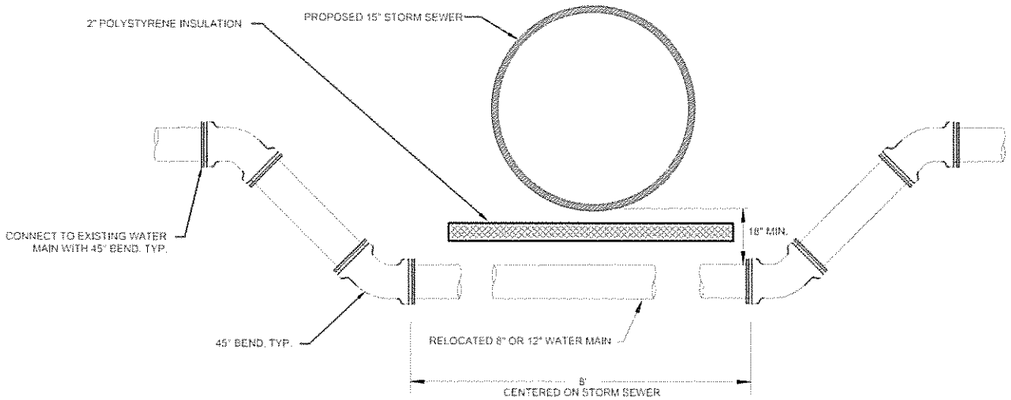


RIGID INSTALLATION



INSULATING CONCRETE

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PIPE INSULATION DETAILS	SHEET	E



SECTION

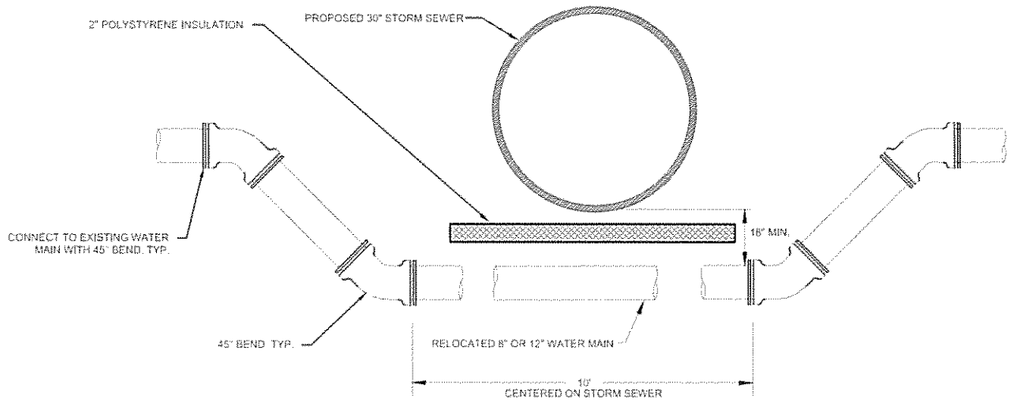
THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER IS LOCATED:

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN.

8" OR 12" WATER MAIN RELOCATION UNDER 15" STORM SEWER

NTS



THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER IS LOCATED:

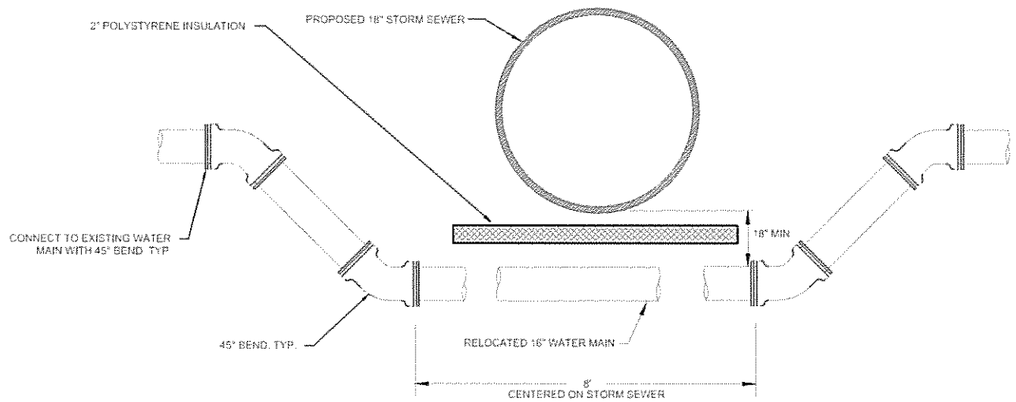
SECTION

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN

8" OR 12" WATER MAIN RELOCATION UNDER 30" STORM SEWER

NTS



SECTION

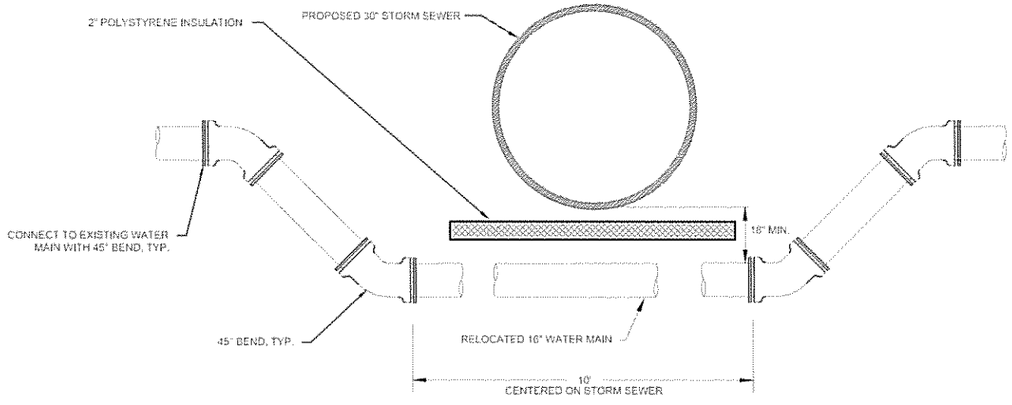
THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER IS LOCATED:

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN.

16" WATER MAIN RELOCATION UNDER 18" STORM SEWER

NTS



SECTION

THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER IS LOCATED:

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

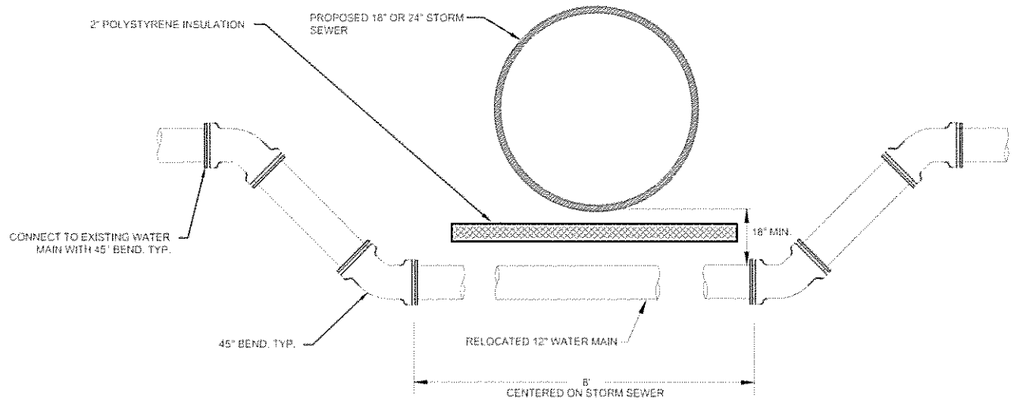
B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN.

16" WATER MAIN RELOCATION UNDER 30" STORM SEWER

NTS

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WATER MAIN DETAILS	SHEET	E

2



SECTION

THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER IS LOCATED

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN.

12" WATER MAIN RELOCATION UNDER 18" OR 24" STORM SEWER

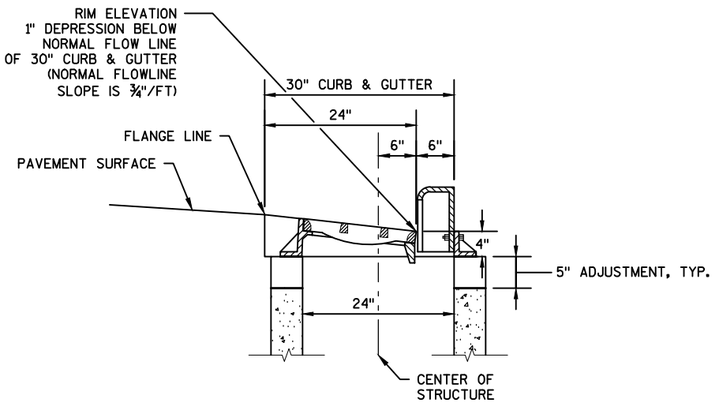
NTS

WATER MAIN OFFSET LOCATIONS			
STA	OFFSET	WATER MAIN SIZE (INCHES)	STORM SEWER SIZE (INCHES)
274+50	70 FT LT	16	30
274+70	100 FT LT	8	15
283+45	85 FT LT	12	15
305+15	60 FT LT	12	30
305+15	80 FT LT	12	15
305+40	60 FT LT	12	30
305+40	110 FT LT	12	15
305+40	90 FT LT	12	18
305+55	90 FT LT	12	18
305+60	100 FT LT	12	15
341+00	50 FT LT	16	18
43+18	82 FT LT	8	30
56+05	25 FT LT	12	24
53+50	35 FT LT	12	18

1) INSULATION SHALL BE PROVIDED AT ALL OFFSET LOCATIONS AS SHOWN IN THE DETAILS
2) ALL WATER MAIN OFFSETS SHALL CORRESPOND WITH LOCATIONS SHOWN AND NOTED IN THE STORM LAYOUT SHEETS

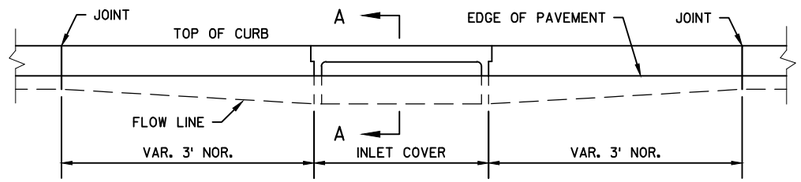
WATER MAIN INSULATION				
STA	OFFSET	QUANTITY (4'X8' SHEETS)	WATER MAIN SIZE (INCHES)	ITEM TO INSULATE UNDER
279+83	95 FT LT	1	12	RIP RAP
321+00	115 FT LT	1	12	SEDIMENT TRAP
325+00	118 FT LT	1	12	SEDIMENT TRAP
328+00	117 FT LT	1	12	RIP RAP
328+70 - 333+00	111 FT LT	18	12	RIP RAP
334+00	108 FT LT	2	12	RIP RAP
337+00	100 FT LT	1	12	RIP RAP
338+50	100 FT LT	1	12	RIP RAP
42+50	40 FT LT	2	12	CATHC BASINS
53+50	34 FT LT	1	12	18" STORM SEWER
55+00	37 FT LT	3	12	RIP RAP

1) ALL INSULATION SHALL BE CLOSED CELL RIGID 2-INCH POLYSTYRENE INSULATION BOARD
2) INSULATION LOCATIONS SHALL CORRESPOND WITH LOCATIONS SHOWN AND NOTED IN THE STORM SEWER LAYOUT SHEETS

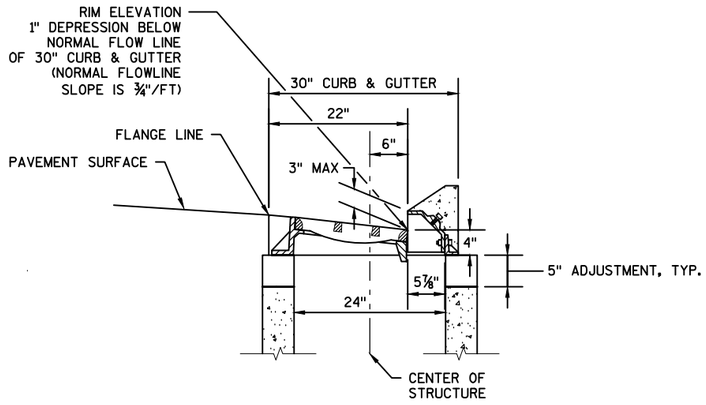


(INLETS 2'X3'-H & 2'X3'-HS)

SECTION A-A

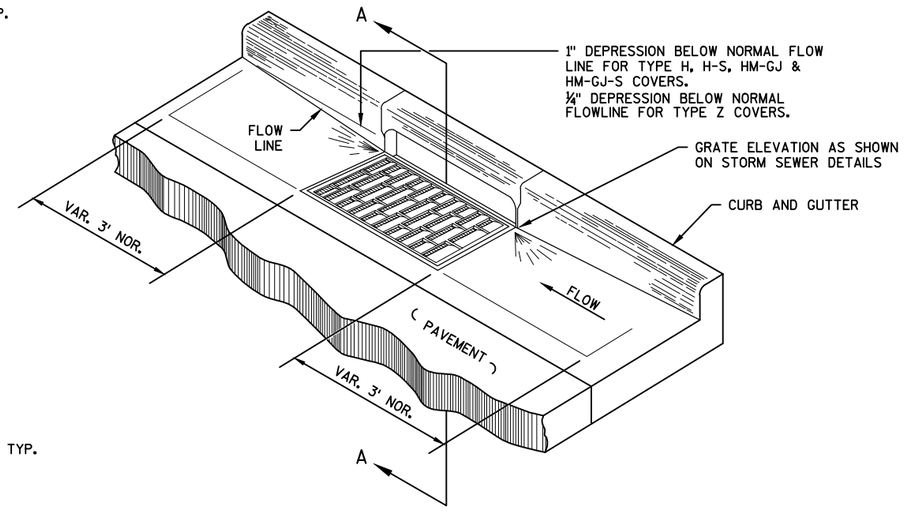


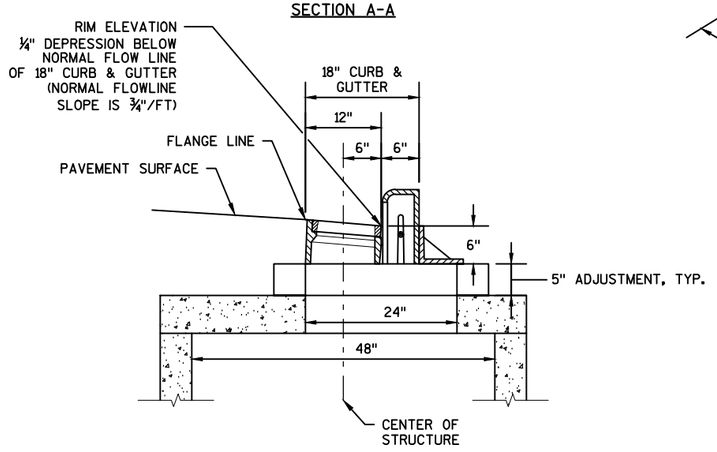
ELEVATION



(INLETS 2'X3'-HM-GJ & 2'X3'-HM-GJ-S)

SECTION A-A





(INLETS 4'-Z)

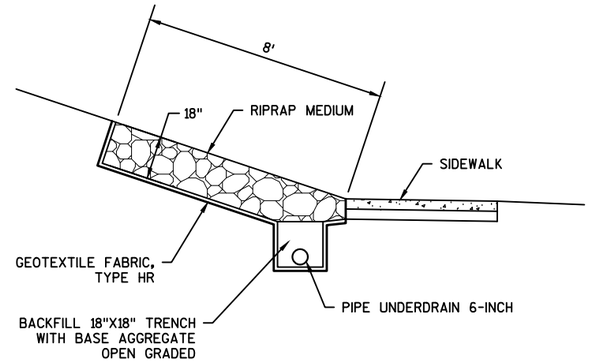
SECTION A-A

CURB AND GUTTER DETAIL AT INLETS

NOTES:

INSTALL ENDCAP AT UPSTREAM END OF PIPE UNDERDRAIN, STA 331'WB'+75 (INCIDENTAL TO PIPE UNDERDRAIN).

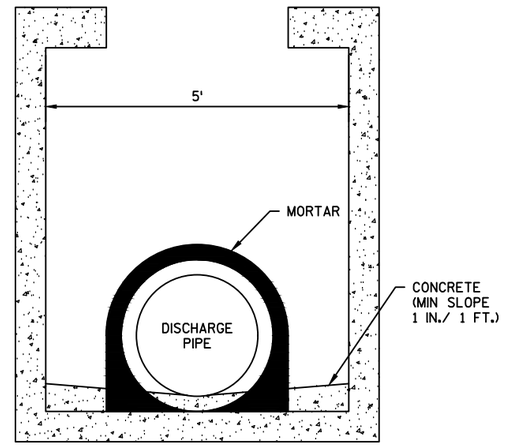
INSTALL APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH AT DISCHARGE END (STA 329'WB'+00). SEE WISDOT STANDARD DETAIL DRAWING 8F6: REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN.



RIPRAP SIDE SLOPE TREATMENT

STA 329'WB'+00 - STA 331'WB'+75, LT

NOTES: DETAILS NOT SHOWN SHALL CONFORM TO WISDOT STANDARD DETAIL DRAWING 8A8: CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

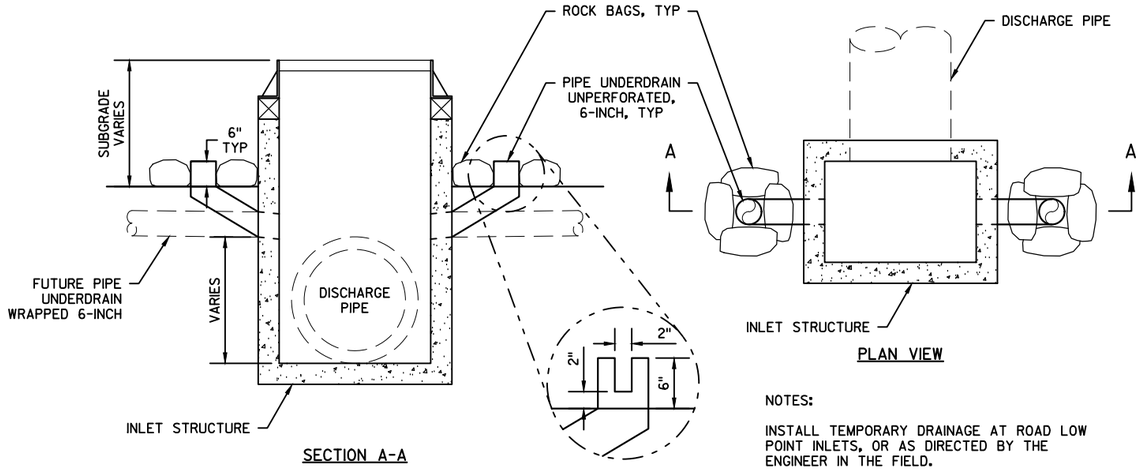


INLETS 5-FT DIAMETER

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_021001-CD.DWG
LAYOUT NAME - 27880072_021001-CD - SHEET-01
PLOT DATE : 8/1/2016 7:45 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1:1

2



SECTION A-A

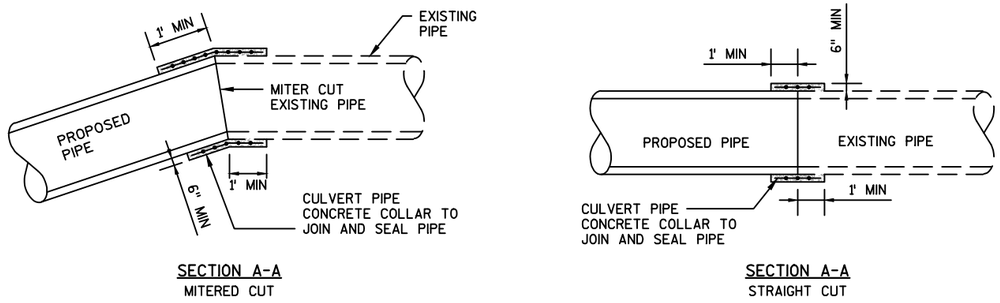
PLAN VIEW

NOTES:

INSTALL TEMPORARY DRAINAGE AT ROAD LOW POINT INLETS, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

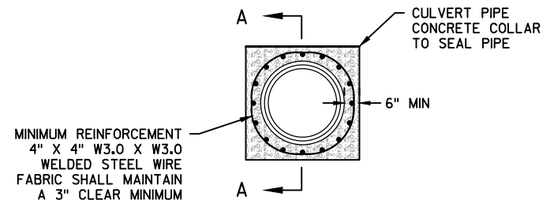
PAID FOR AS PIPE UNDERDRAIN UNPERFORATED AND ROCK BAGS BID ITEMS.

TEMPORARY SUBGRADE DRAINAGE AT ROAD LOW POINTS



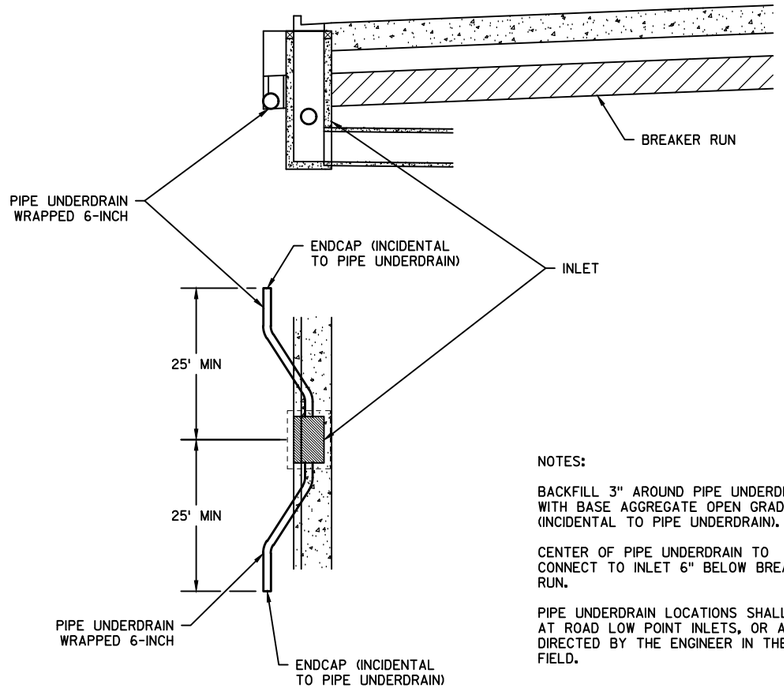
SECTION A-A
MITERED CUT

SECTION A-A
STRAIGHT CUT



CULVERT PIPE CONCRETE COLLAR DETAIL

2



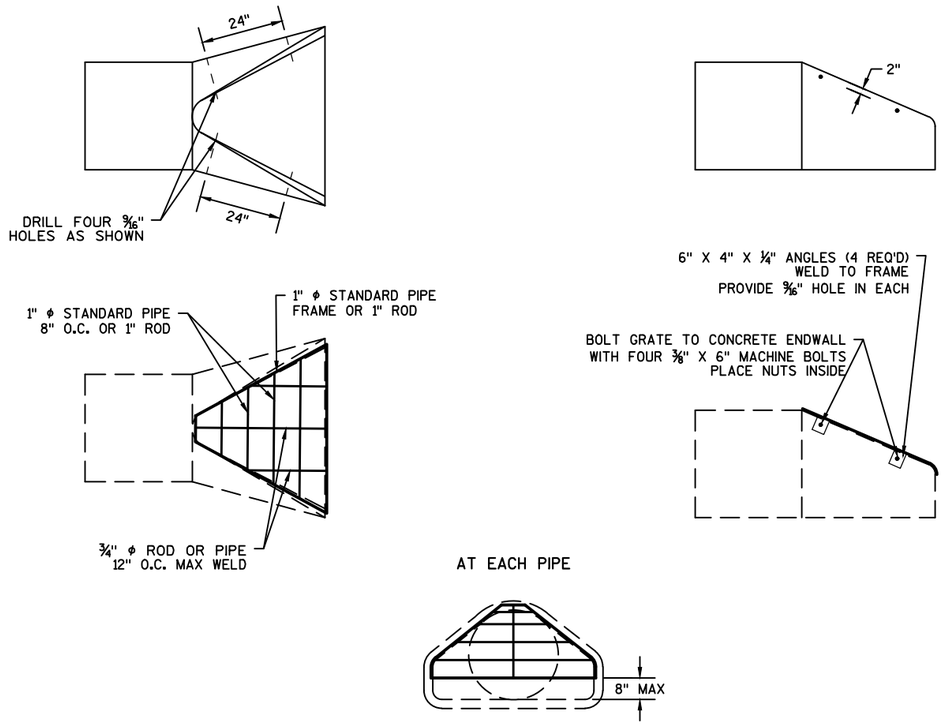
NOTES:

BACKFILL 3" AROUND PIPE UNDERDRAIN WITH BASE AGGREGATE OPEN GRADED (INCIDENTAL TO PIPE UNDERDRAIN).

CENTER OF PIPE UNDERDRAIN TO CONNECT TO INLET 6" BELOW BREAKER RUN.

PIPE UNDERDRAIN LOCATIONS SHALL BE AT ROAD LOW POINT INLETS, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

DETAIL FOR PIPE UNDERDRAIN AT CURB & GUTTER INLETS

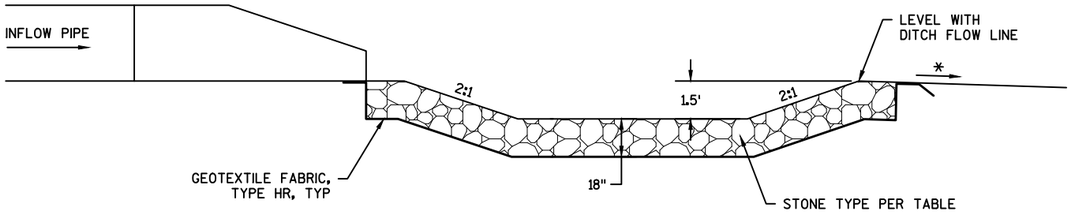


PIPE GRATE DETAIL

(SEE STORM SEWER SCHEDULE FOR LOCATIONS)

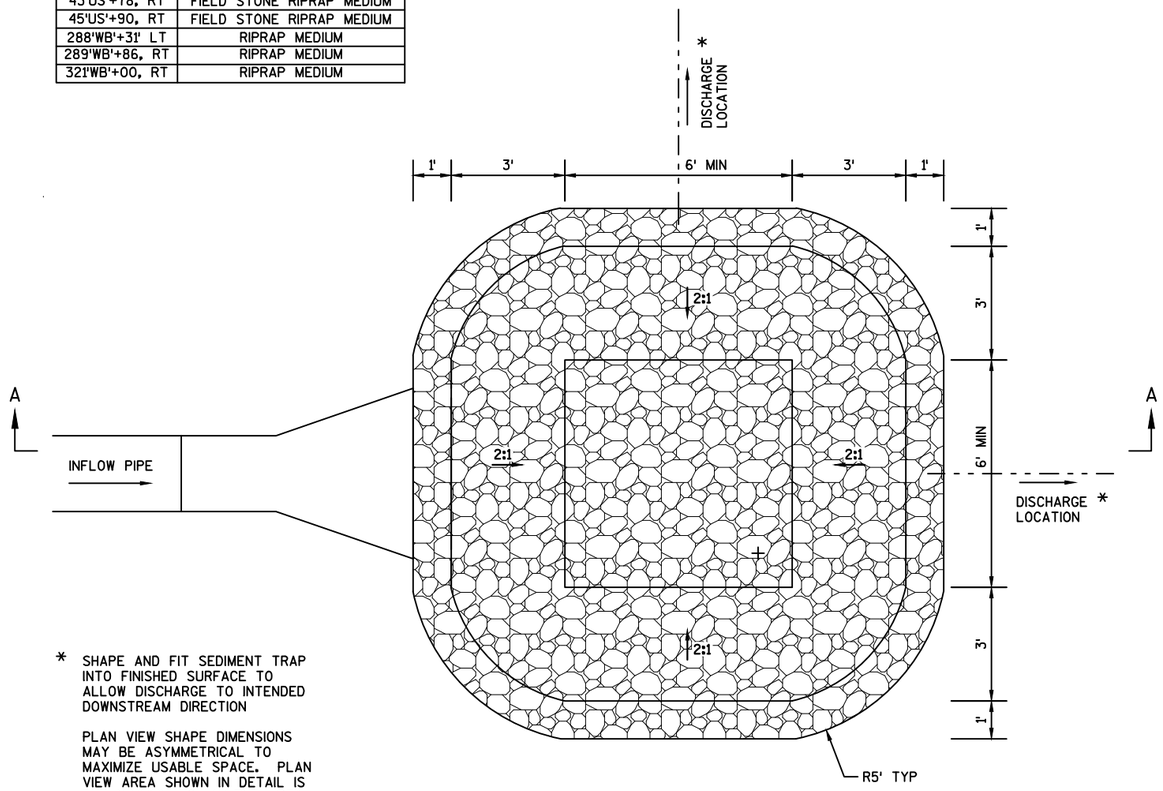
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_021001-CD.DWG
LAYOUT NAME - 27880072_021001-CD - SHEET-02
PLOT DATE : 8/1/2016 7:45 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1:1
WISDOT/CADDS SHEET 42



SECTION A-A

LOCATION	STONE TYPE
280'WB'+71' LT	RIPRAP MEDIUM
280'WB'+91' RT	RIPRAP MEDIUM
43'US'+78, RT	FIELD STONE RIPRAP MEDIUM
45'US'+90, RT	FIELD STONE RIPRAP MEDIUM
288'WB'+31' LT	RIPRAP MEDIUM
289'WB'+86, RT	RIPRAP MEDIUM
321'WB'+00, RT	RIPRAP MEDIUM



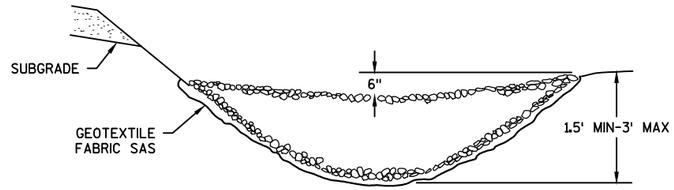
* SHAPE AND FIT SEDIMENT TRAP INTO FINISHED SURFACE TO ALLOW DISCHARGE TO INTENDED DOWNSTREAM DIRECTION

PLAN VIEW SHAPE DIMENSIONS MAY BE ASYMMETRICAL TO MAXIMIZE USABLE SPACE. PLAN VIEW AREA SHOWN IN DETAIL IS THE MINIMUM EQUIVALENT AREA.

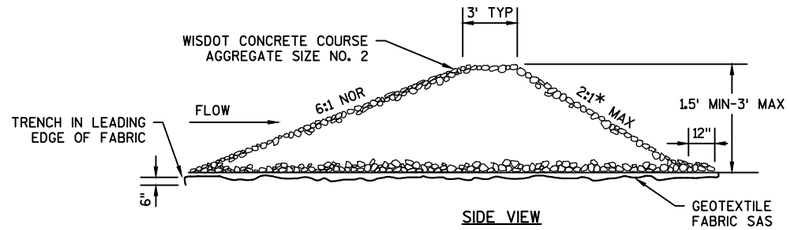
PLAN VIEW

OUTLET PIPE SEDIMENT TRAP DETAIL

NOT TO SCALE



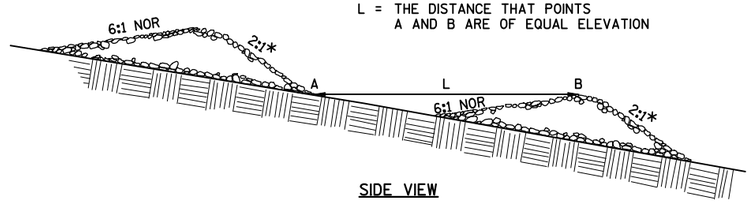
CROSS SECTIONAL VIEW



SIDE VIEW

* 6:1 WITHIN CLEAR ZONE

L = THE DISTANCE THAT POINTS A AND B ARE OF EQUAL ELEVATION



SIDE VIEW

STONE DITCH CHECK DETAIL

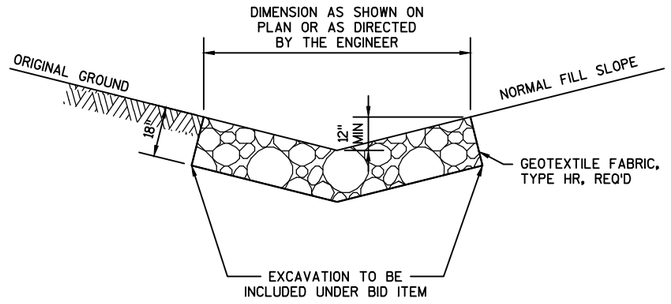
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_021001-CD.DWG
LAYOUT NAME - 27880072_021001-CD - SHEET-03
PLOT DATE : 8/1/2016 7:45 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1:1

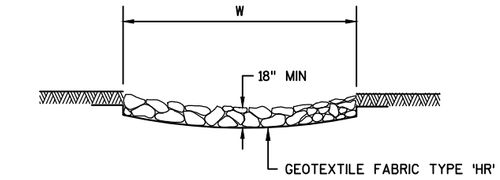
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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			.25 .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 = 48.75 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 37.79 ACRES

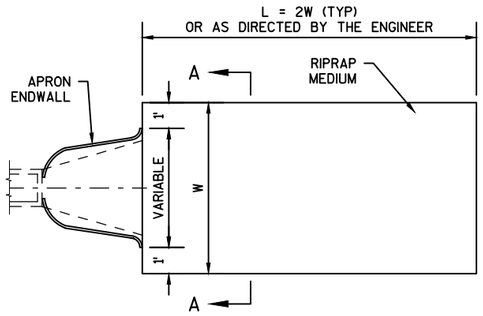
RUNOFF COEFFICIENT TABLE



DETAIL FOR RIPRAP MEDIUM IN DITCHES

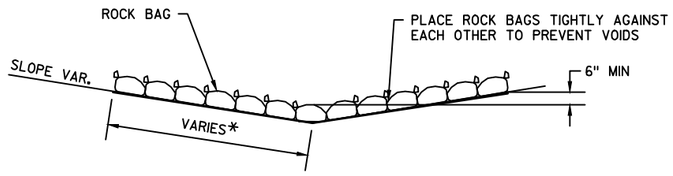


SECTION A-A

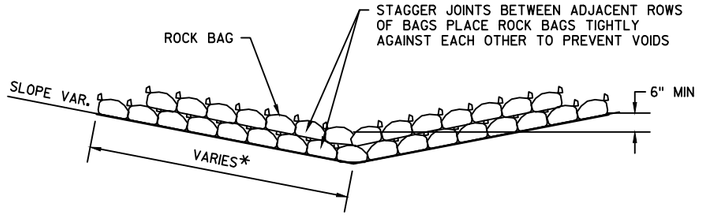


PLAN VIEW

RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS



SIDE VIEW (SINGLE LAYER)



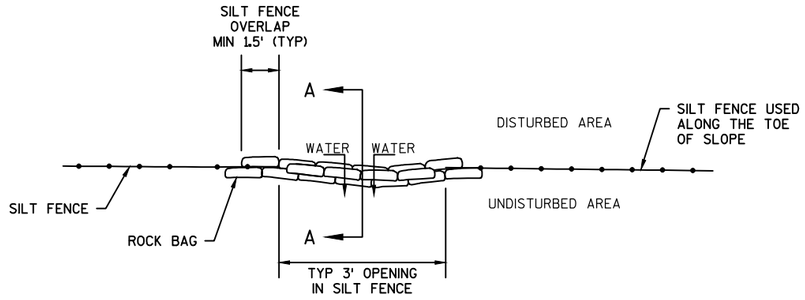
* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS USED FOR DITCH CHECKS

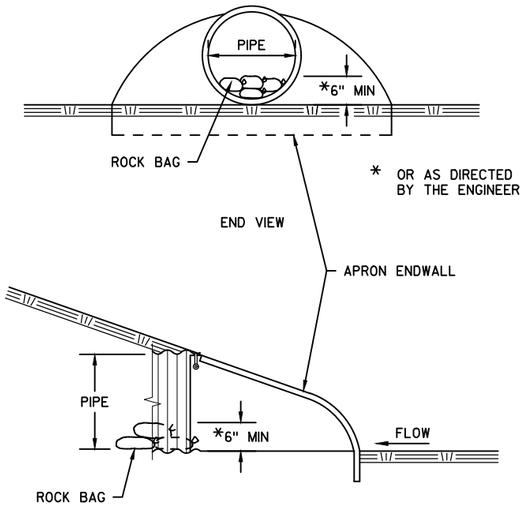


SECTION A-A



PLAN VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF POINT

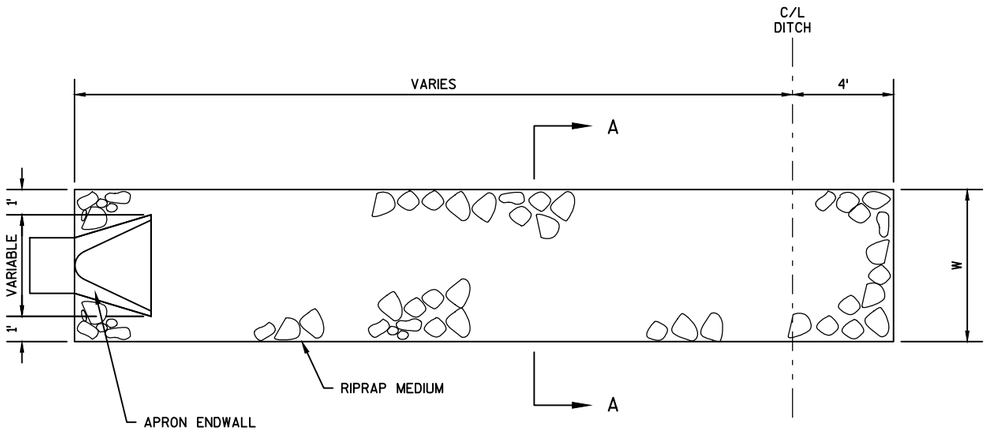


SIDE VIEW

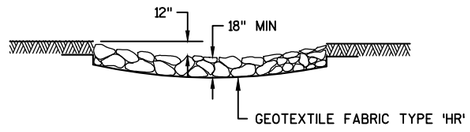
ROCK BAGS USED FOR CULVERT PIPE CHECKS

ROCK BAGS DETAIL

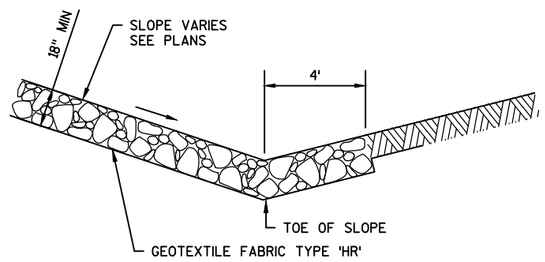
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E



PLAN VIEW

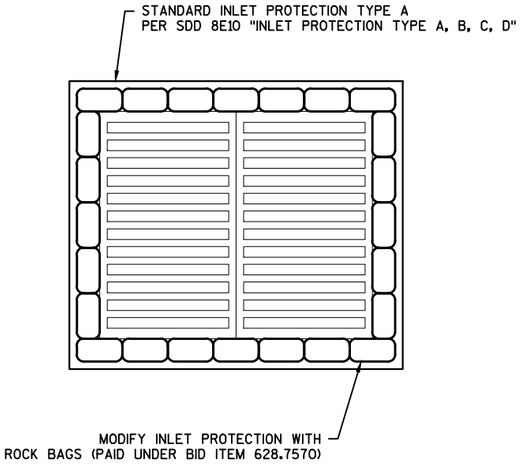


SECTION A-A

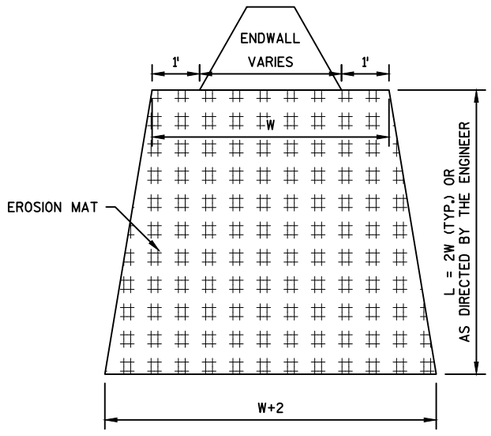


SIDE VIEW WHEN DISCHARGING TO DITCH

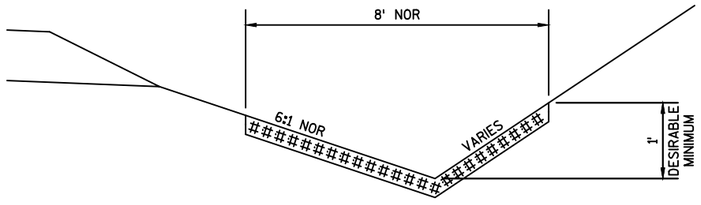
RIPRAP MEDIUM FLUME DETAIL



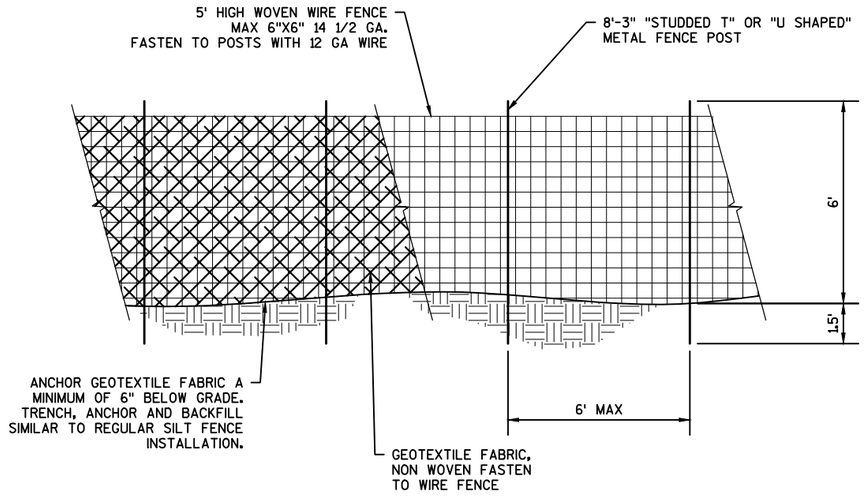
INLET PROTECTION TYPE A MODIFIED DETAIL



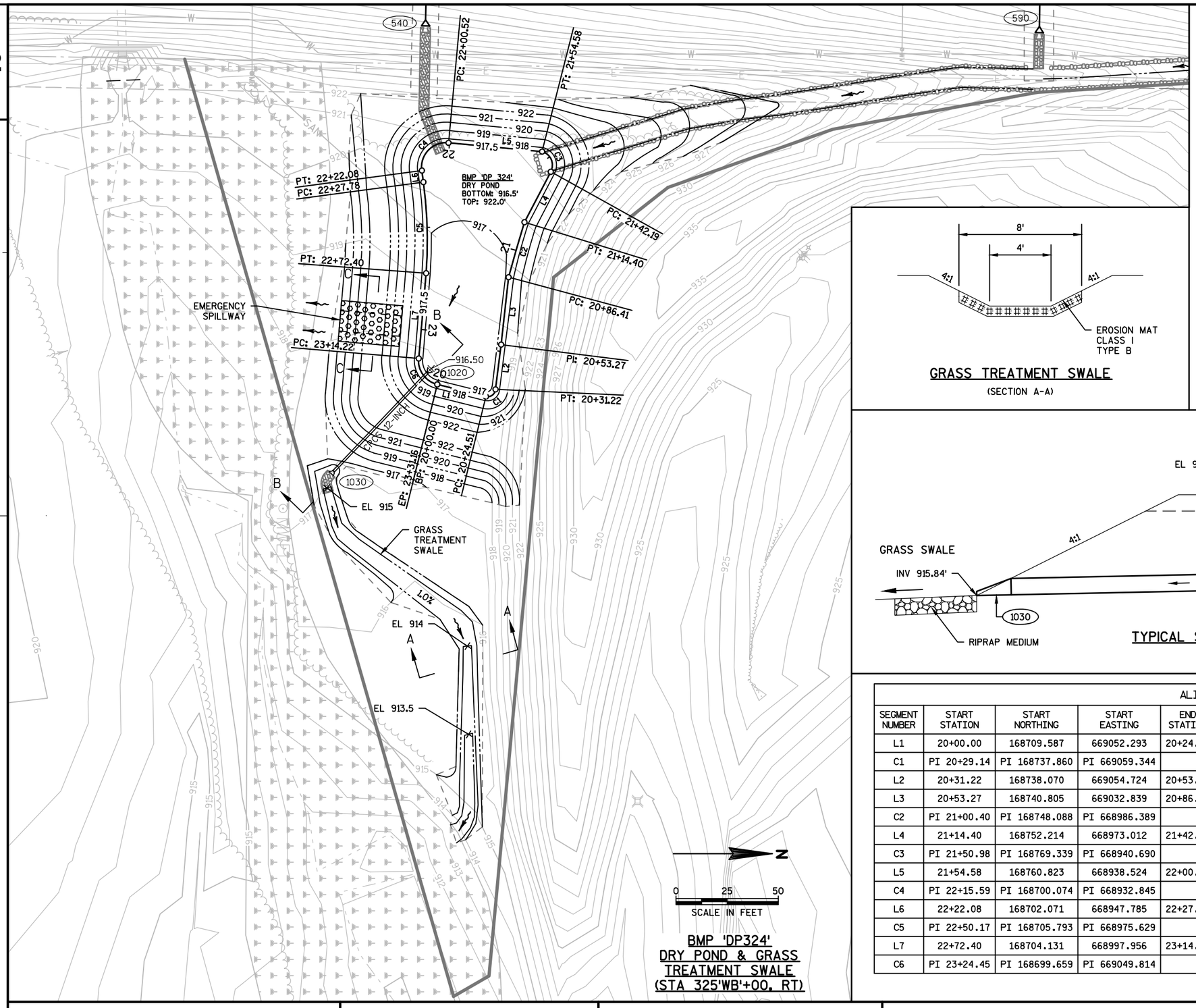
EROSION MAT TREATMENT AT CULVERTS



EROSION MAT DETAIL FOR DITCHES

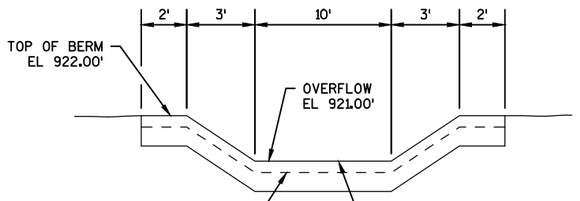


HEAVY DUTY SILT FENCE DETAIL



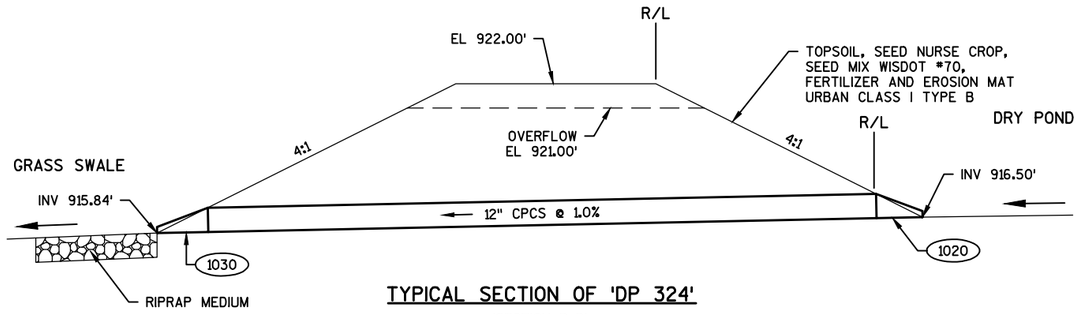
BMP 'DP324' DRY POND & GRASS TREATMENT SWALE (STA 325'WB'+00, RT)

GRASS TREATMENT SWALE
(SECTION A-A)



NOTE:
PERMANENT EROSION MAT CLASS III, TYPE B IS SOIL FILLED (PER MANUFACTURER'S INSTRUCTIONS), AND TEMPORARY EROSION MAT PLACED OVER THE SEEDED SOIL AT THE FINISHED GRADE.

EMERGENCY SPILLWAY
(SECTION C-C)



TYPICAL SECTION OF 'DP 324'
(SECTION B-B)

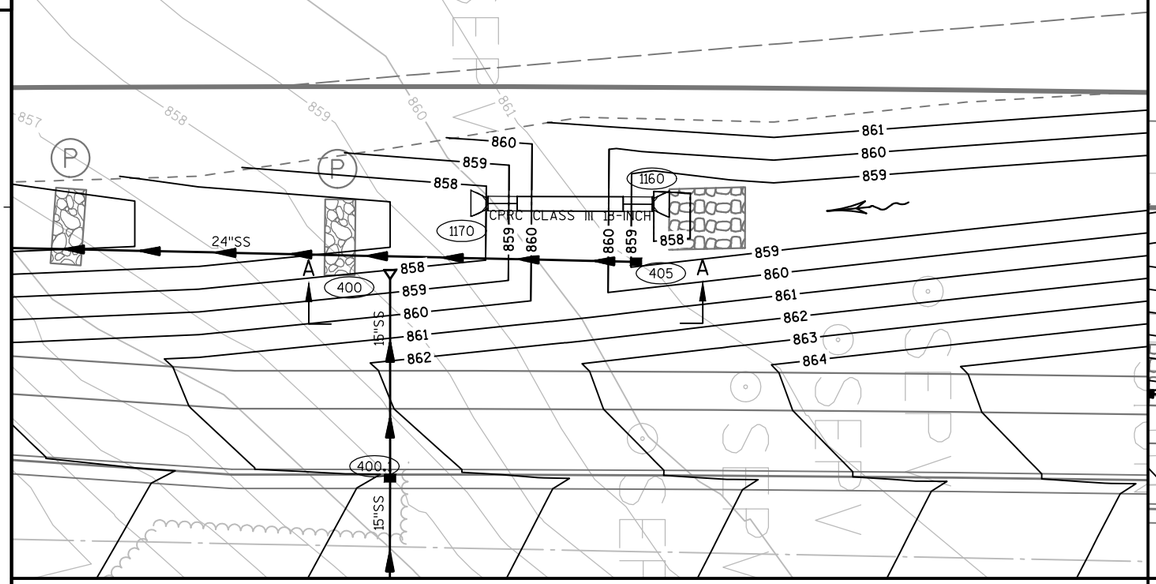
ALIGNMENT - DP324

SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING	LENGTH	RADIUS	LINE/CHORD BEARING	DELTA ANGLE
L1	20+00.00	168709.587	669052.293	20+24.51	168733.371	669058.231	24.51		N14° 01' 06"E	
C1	PI 20+29.14	PI 168737.860	PI 669059.344				6.70	3.79	N36° 44' 07"W	101° 19' 05"
L2	20+31.22	168738.070	669054.724	20+53.27	168740.805	669032.839	22.05		N82° 52' 34"W	
L3	20+53.27	168740.805	669032.839	20+86.41	168744.451	668999.907	33.13		N83° 41' 01"W	
C2	PI 21+00.40	PI 168748.088	PI 668986.389				27.99	769.26	N73° 53' 56"W	2° 05' 06"
L4	21+14.40	168752.214	668973.012	21+42.19	168765.074	668948.373	27.79		N62° 26' 19"W	
C3	PI 21+50.98	PI 168769.339	PI 668940.690				12.38	6.77	S66° 39' 15"W	104° 46' 03"
L5	21+54.58	168760.823	668938.524	22+00.52	168715.083	668934.248	45.94		S5° 20' 26"W	
C4	PI 22+15.59	PI 168700.074	PI 668932.845				21.56	12.00	S46° 08' 11"E	102° 57' 13"
L6	22+22.08	168702.071	668947.785	22+27.78	168702.827	668953.438	5.70		N82° 23' 13"E	
C5	PI 22+50.17	PI 168705.793	PI 668975.629				44.62	215.36	N88° 19' 19"E	11° 52' 12"
L7	22+72.40	168704.131	668997.956	23+14.22	168700.538	669039.619	41.82		S85° 04' 16"E	
C6	PI 23+24.45	PI 168699.659	PI 669049.814				16.95	12.00	N54° 28' 25"E	80° 54' 38"

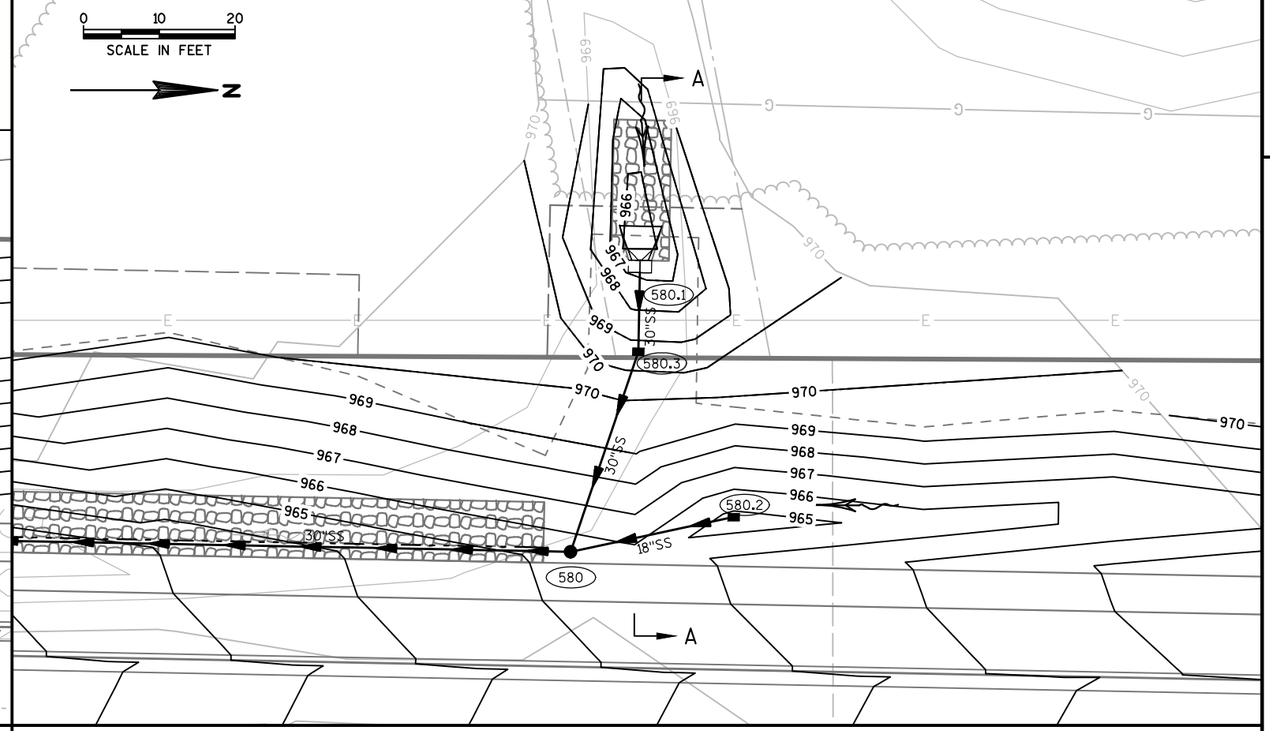
0 10 20
SCALE IN FEET

N

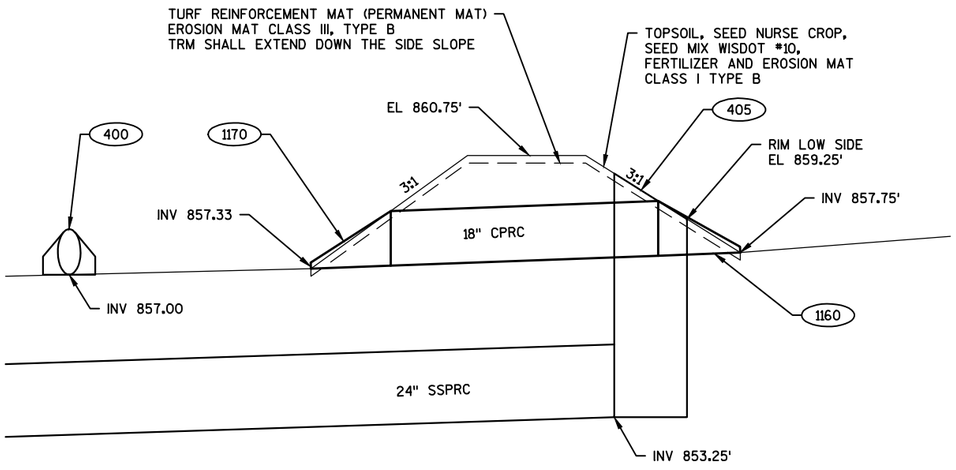
LEGEND
- SLOPE INTERCEPT
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- SURFACE WATER FLOW PROPOSED



PLAN VIEW



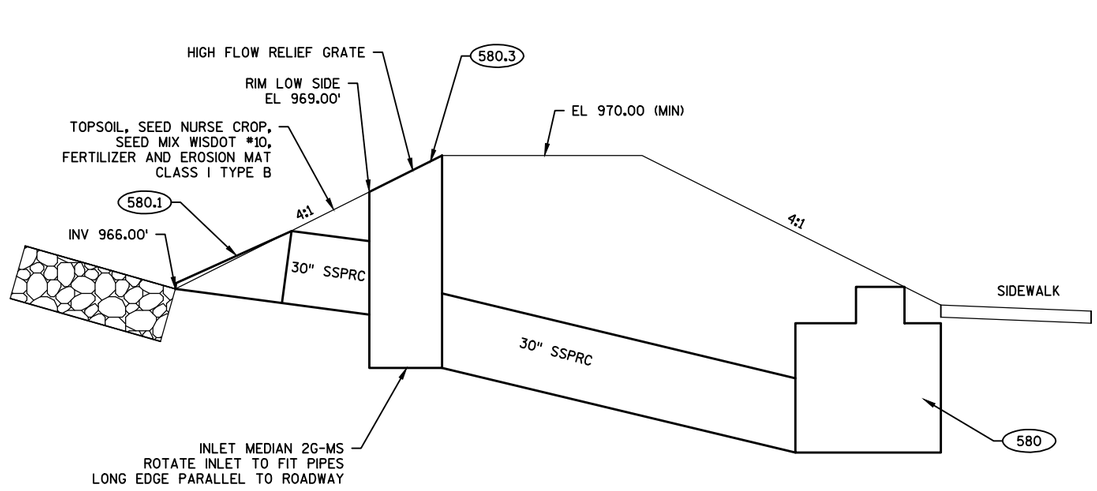
PLAN VIEW



SECTION A-A

HIGH FLOW RELIEF DETAIL

STA 292'WB'+75 LT



SECTION A-A

GRADING DETAIL AT 580.1

STA 331'WB'+87 LT

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_021003-CD.DWG
LAYOUT NAME - 27880072_021003-CD - SHEET-01
PLOT DATE : 8/1/2016 7:46 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

LEGEND

- (A1) CONCRETE DRIVEWAY 6-INCH, SEE CONSTRUCTION DETAIL
- (A2) CONCRETE DRIVEWAY HES 6-INCH
- (A3) CONCRETE MEDIAN SLOPED NOSE

- (B1) BASE AGGREGATE DENSE 3/4-INCH
- (B2) BASE AGGREGATE DENSE 1 1/4-INCH

- (C1) CONCRETE CURB & GUTTER 24-INCH
- (C2) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (C3) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (C4) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
- (C5) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C6) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (C7) CONCRETE CURB PEDESTRIAN

- (E1) CONCRETE SURFACE DRAIN

- (H1) HMA PAVEMENT 4-INCH
  4-INCH HMA PAVEMENT 4 LT 58-28 S SINGLE LAYER
- (H2) HMA PAVEMENT 5-INCH
  2-INCH HMA PAVEMENT 4 MT 58-28 S UPPER LAYER
  3-INCH HMA PAVEMENT 3 MT 58-28 S LOWER LAYER
- (H3) HMA PAVEMENT 5 1/2-INCH
  2-INCH HMA PAVEMENT 4 MT 58-28 S UPPER LAYER
  3 1/2-INCH HMA PAVEMENT 3 MT 58-28 S LOWER LAYER

- (K1) CONCRETE PAVEMENT 8-INCH, DOWELED AND TINED
- (K2) CONCRETE PAVEMENT HES 8-INCH, DOWELED AND TINED

- (S1) SAWING ASPHALT
- (S2) SAWING CONCRETE

- (U1) ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES
- (U2) ASPHALTIC SURFACE, 3-INCH
- (U3) ASPHALTIC SURFACE, 5-INCH

- (W1) CONCRETE CURB RAMP TYPE 1
- (W2) CONCRETE CURB RAMP TYPE 2
- (W3) CONCRETE CURB RAMP TYPE 3
- (WA) CONCRETE CURB RAMP TYPE 4A1
- (WB) CONCRETE CURB RAMP TYPE 4B1
- (W5) CONCRETE CURB RAMP TYPE 5
- (W6) CONCRETE CURB RAMP TYPE 6
- (W7) CONCRETE CURB RAMP TYPE 7B
- (W8) CONCRETE SIDEWALK 5-INCH

NOTES:

ALL CURB RAMPS REQUIRE CURB RAMP DETECTABLE WARNING FIELDS YELLOW.

RADIUS DIMENSIONS ARE SHOWN TO THE FLANGE OF CURB.

LANE WIDTH DIMENSIONS ARE TYPICALLY SHOWN TO JOINT LINE.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

VERIFY EXISTING ELEVATIONS AT MATCHLINES IN FIELD.

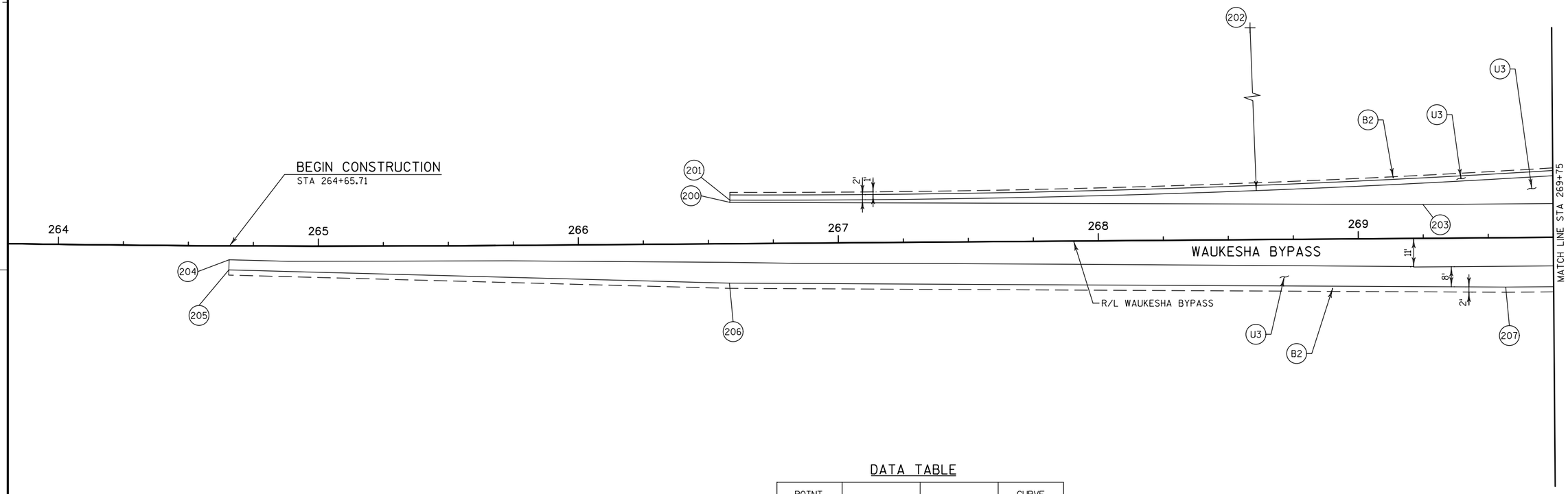
SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN IN PAVING DETAILS.

- HES CONCRETE AREAS
- PROPOSED INLET
- PROPOSED INLET
- PROPOSED MANHOLE
- EXISTING MANHOLES TO BE ADJUSTED/RECONSTRUCTED
- XX SAW CUT

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - LEGEND	SHEET	E

2

N



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
200	266+58.40	15.91' LT	
201	266+58.41	16.77' LT	PC
202	267+08.79	4944.51' LT	4928' R
203	269+25.00	13.00' LT	
204	264+65.71	5.33' RT	
205	264+65.63	9.23' RT	
206	266+58.01	15.17' RT	
207	269+56.56	19.00' RT	

52

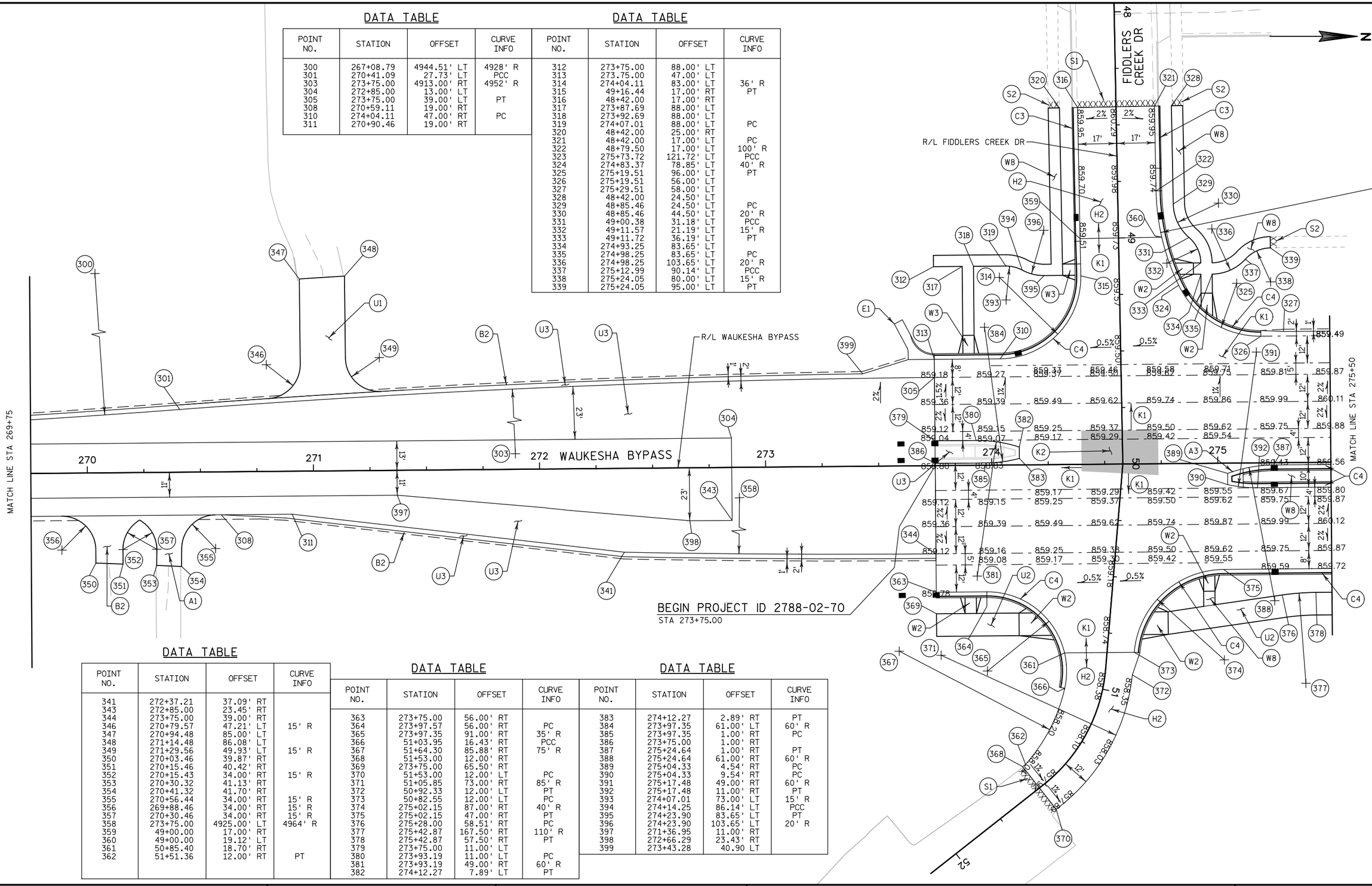
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
300	267+08.79	4944.51' LT	4928' R
301	270+41.09	27.73' LT	PCC
303	273+75.00	4913.00' RT	4952' R
304	272+85.00	13.00' LT	
305	273+75.00	39.00' LT	PT
308	270+59.11	19.00' RT	
310	274+04.11	47.00' RT	PC
311	270+90.46	19.00' RT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
312	273+75.00	88.00' LT	
313	273.75.00	47.00' LT	
314	274+04.11	83.00' LT	36' R
315	49+16.44	17.00' RT	PT
316	48+42.00	17.00' RT	
317	273+87.69	88.00' LT	
318	273+92.69	88.00' LT	
319	274+07.01	88.00' LT	PC
320	48+42.00	25.00' RT	
321	48+42.00	17.00' LT	PC
322	48+79.50	17.00' LT	100' R
323	275+73.72	121.72' LT	PCC
324	274+83.37	78.85' LT	40' R
325	275+19.51	96.00' LT	PT
326	275+19.51	56.00' LT	
327	275+29.51	58.00' LT	
328	48+42.00	24.50' LT	
329	48+85.46	24.50' LT	PC
330	48+85.46	44.50' LT	20' R
331	49+00.38	31.18' LT	PCC
332	49+11.57	21.19' LT	15' R
333	49+11.72	36.19' LT	PT
334	274+93.25	83.65' LT	
335	274+98.25	83.65' LT	PC
336	274+98.25	103.65' LT	20' R
337	275+12.99	90.14' LT	PCC
338	275+24.05	80.00' LT	15' R
339	275+24.05	95.00' LT	PT



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
341	272+37.21	37.09' RT	
343	272+85.00	23.45' RT	
344	273+75.00	39.00' RT	
346	270+79.57	47.21' LT	15' R
347	270+94.48	85.00' LT	
348	271+14.48	86.08' LT	
349	271+29.56	49.93' LT	15' R
350	270+03.46	39.87' RT	
351	270+15.46	40.42' RT	
352	270+15.43	34.00' RT	15' R
353	270+30.32	41.13' RT	
354	270+41.32	41.70' RT	
355	270+56.44	34.00' RT	15' R
356	269+88.46	34.00' RT	15' R
357	270+30.46	34.00' RT	15' R
358	273+75.00	4925.00' LT	4964' R
359	49+00.00	17.00' RT	
360	49+00.00	19.12' LT	
361	50+85.40	18.70' RT	
362	51+51.36	12.00' RT	PT

DATA TABLE

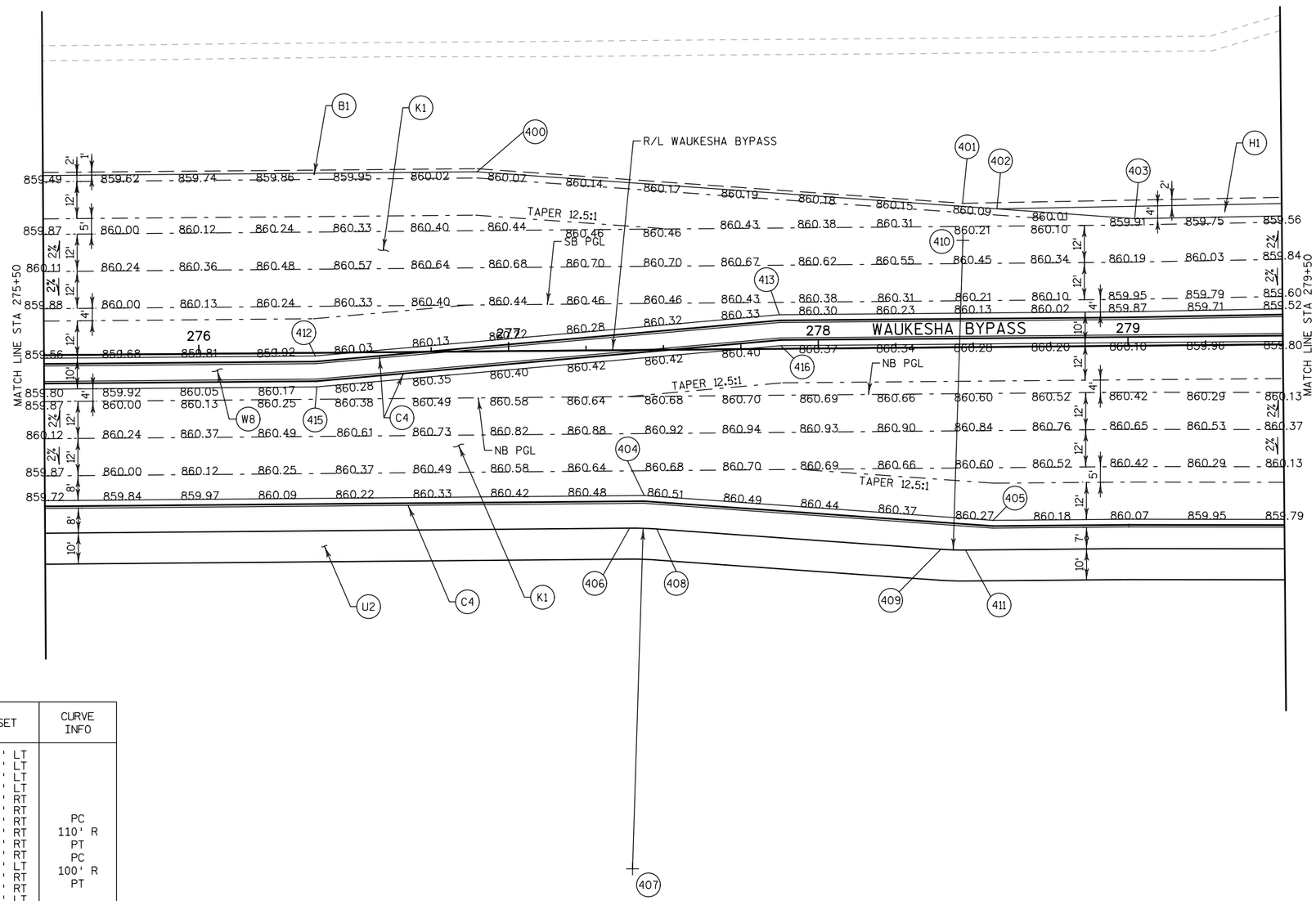
POINT NO.	STATION	OFFSET	CURVE INFO
363	273+75.00	56.00' RT	
364	273+97.57	56.00' RT	PC
365	273+97.35	91.00' RT	35' R
366	51+03.95	16.43' RT	PCC
367	51+64.30	85.88' RT	75' R
368	51+53.00	12.00' RT	
369	273+75.00	65.50' RT	
370	51+53.00	12.00' LT	PC
371	51+05.85	73.00' RT	85' R
372	50+92.33	12.00' LT	PT
373	50+82.55	12.00' LT	PC
374	275+02.15	87.00' RT	40' R
375	275+02.15	47.00' RT	PT
376	275+28.00	58.51' RT	PC
377	275+42.87	167.50' RT	110' R
378	275+42.87	57.50' RT	PT
379	273+75.00	11.00' LT	
380	273+93.19	11.00' LT	PC
381	273+93.19	49.00' RT	60' R
382	274+12.27	7.89' LT	PT

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
383	274+12.27	2.89' RT	PT
384	273+97.35	61.00' LT	60' R
385	273+97.35	1.00' RT	PC
386	273+75.00	1.00' RT	
387	275+24.64	1.00' RT	PT
388	275+24.64	61.00' RT	60' R
389	275+04.33	4.54' RT	PC
390	275+04.33	9.54' RT	PC
391	275+17.48	49.00' RT	60' R
392	275+17.48	11.00' RT	PT
393	274+07.01	73.00' LT	15' R
394	274+14.25	86.14' LT	PCC
395	274+23.90	83.65' LT	PT
396	274+23.90	103.65' LT	20' R
397	271+36.95	11.00' RT	
398	272+66.29	23.43' RT	
399	273+43.28	40.90 LT	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

2



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
400	276+90.33	58.00' LT	
401	278+76.97	46.47' LT	
402	278+58.05	44.58' LT	
403	279+02.50	41.03' LT	
404	277+43.39	47.00' RT	
405	278+55.89	56.00' RT	
406	277+38.58	57.50' RT	PC
407	277+38.58	167.50' RT	110' R
408	277+47.35	57.85' RT	PT
409	278+38.99	65.18' RT	PC
410	278+46.97	34.50' LT	100' R
411	278+46.97	65.50' RT	PT
412	276+37.60	1.00' RT	
413	277+87.51	11.00' LT	
415	276+38.00	11.00' RT	
416	277+87.91	1.00' LT	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
500	280+54.34	42.54' LT	
501	280+68.49	46+69' LT	
503	281+00.27	46.22' LT	
504	281+00.03	51.22' LT	
505	281+10.03	47.00' LT	PC
506	280+80.56	222.00' LT	175' R
507	49+48.09	73.67' RT	PCC
508	49+07.15	108.00' RT	50' R
509	49+07.15	51.00' RT	PT
510	281+17.55	95.00' LT	PC
511	281+17.55	50.00' LT	45' R
512	281+46.31	84.61' LT	PCC
513	281+78.27	123.07' LT	50' R
514	281+70.69	73.64' LT	PT
515	49+33.94	77.45' RT	PC
516	49+30.66	57.73' RT	20' R
517	49+14.50	69.14' RT	PCC
518	48+94.43	83.50' RT	25' R

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
549	281+00.04	13.00' LT	
550	281+50.00	15.00' LT	
551	281+71.43	15.00' LT	
552	281+71.92	6.31' LT	PT
553	280+80.56	789.00' LT	788' R
554	280+80.56	1.00' LT	PC
555	283+04.86	68.25' LT	PC
556	283+07.86	68.22' LT	3' R
557	283+08.61	71.12' LT	PT
558	283+74.28	54.07' LT	
559	283+73.72	49.11' LT	
560	283+05.38	46.95' LT	
561	283+03.97	48.37' LT	
562	283+17.90	15.00' LT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
570	281+13.44	49.11' RT	
571	281+81.84	46.95' RT	
572	281+83.27	48.35' RT	
573	281+83.06	68.46' RT	PC
574	281+80.06	68.43' RT	3' R
575	281+79.31	71.33' RT	PT
576	281+12.89	54.07' RT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
577	283+13.67	6.41' RT	PC
578	284+05.88	789.00' RT	788' R
579	284+05.88	1.00' RT	PT
580	283+99.96	13.00' RT	
581	283+50.00	15.00' RT	
582	283+14.15	15.00' RT	
583	283+51.09	102.84' LT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
519	283+28.93	103.49' LT	PCC
520	283+76.24	119.69' LT	50' R
521	283+63.67	71.29' LT	PCC
522	284+61.87	407.40' LT	350' R
523	284+58.37	57.42' LT	PT
524	284+74.65	57.26' LT	
525	284+84.67	59.16' LT	
526	48+76.27	78.18' LT	

N

END PROJECT ID 2788-02-70
BEGIN PROJECT ID 2788-00-72
STA 284+75.64

SEE PAVING DETAILS - USH 18

R/L USH 18

REVERSE SLOPE GUTTER

REVERSE SLOPE GUTTER

REVERSE SLOPE GUTTER

REVERSE SLOPE GUTTER

SB PGL

NB PGL

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

SUMMIT AVE

R/L SUMMIT AVE

SEE PAVING DETAILS - USH 18

MATCH LINE STA 279+50

MATCH LINE STA 285+00

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
527	280+15.06	57.15' RT	PC
528	280+10.82	481.13' RT	424' R
529	281+30.67	74.42' RT	PCC
530	281+16.53	122.38' RT	50' R
531	51+14.06	70.12' RT	PCC
533	280+14.97	66.65' RT	PC
534	281+27.98	85.35' RT	PCC
535	51+16.34	79.59' RT	PCC

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
536	50+98.47	43.00' LT	PC
537	283+27.52	108.00' RT	50' R
538	50+53.69	68.94' LT	PCC
539	283+83.90	247.00' RT	200' R
540	283+83.90	47.00' RT	PT
541	284+79.19	46.21' RT	
542	283+10.40	72.29' RT	PC
543	283+11.68	42.31' RT	30' R
544	283+28.20	67.35' RT	PCC
545	283+44.73	93.39' RT	30' R
546	283+37.36	63.30' RT	PCC
547	283+83.90	247.00' RT	189.5' R
548	283+83.90	57.50' RT	PT

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS -WAUKESHA BYPASS	SHEET	E

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
600	286+77.35	58.00' LT	
601	287+36.78	53.30' LT	
602	287+46.66	50.46' LT	
603	287+86.29	47.00' LT	
604	288+07.43	47.00' LT	PC
605	288+07.43	92.00' LT	45' R
606	288+36.93	57.76' LT	PCC
607	288+20.58	76.80' LT	25' R
608	48+80.96	20.46' RT	PCC
609	48+42.59	50.65' LT	45' R
610	48+39.26	11.00' RT	PT
611	48+25.00	11.00' RT	
612	287+48.88	94.09' LT	
613	287+54.50	93.94' LT	
614	288+07.08	86.70' LT	PC
615	48+25.00	10.00' LT	
616	48+40.68	10.09' LT	PC
617	48+76.18	10.99' LT	PCC
618	49+13.95	11.00' LT	PCC
619	289+25.12	101.00' LT	45' R
620	289+25.12	56.00' LT	PT
621	288+02.37	69.40' LT	PC
622	288+02.19	49.40' LT	20' R
623	289+10.39	67.67' LT	PCC
624	289+20.70	90.50' LT	25' R
625	289+20.70	65.50' LT	PT

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
676	288+04.23	66.90' LT	
677	49+25.00	26.04' LT	
678	49+25.00	15.76' RT	
679	51+15.00	20.05' LT	
680	288+36.08	69.67' LT	PT
681	50+02.41	63.59' RT	130' R

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
626	286+14.68	56.00' RT	
627	288+00.80	56.00' RT	PC
628	288+00.80	86.00' RT	30' R
629	288+25.47	69.32' RT	PCC
630	287+27.44	136.54' RT	120' R
631	51+41.90	17.00' RT	PT
632	51+50.00	17.00' RT	
633	285+96.86	65.24' RT	PC
634	286+04.07	65.50' RT	PT
635	288+00.98	65.50' RT	
636	50+77.88	52.00' RT	
637	51+12.22	30.74' RT	PC
638	51+41.17	77.50' RT	55' R
639	51+41.17	22.50' RT	PT
640	51+50.00	22.50' RT	

DATA TABLE

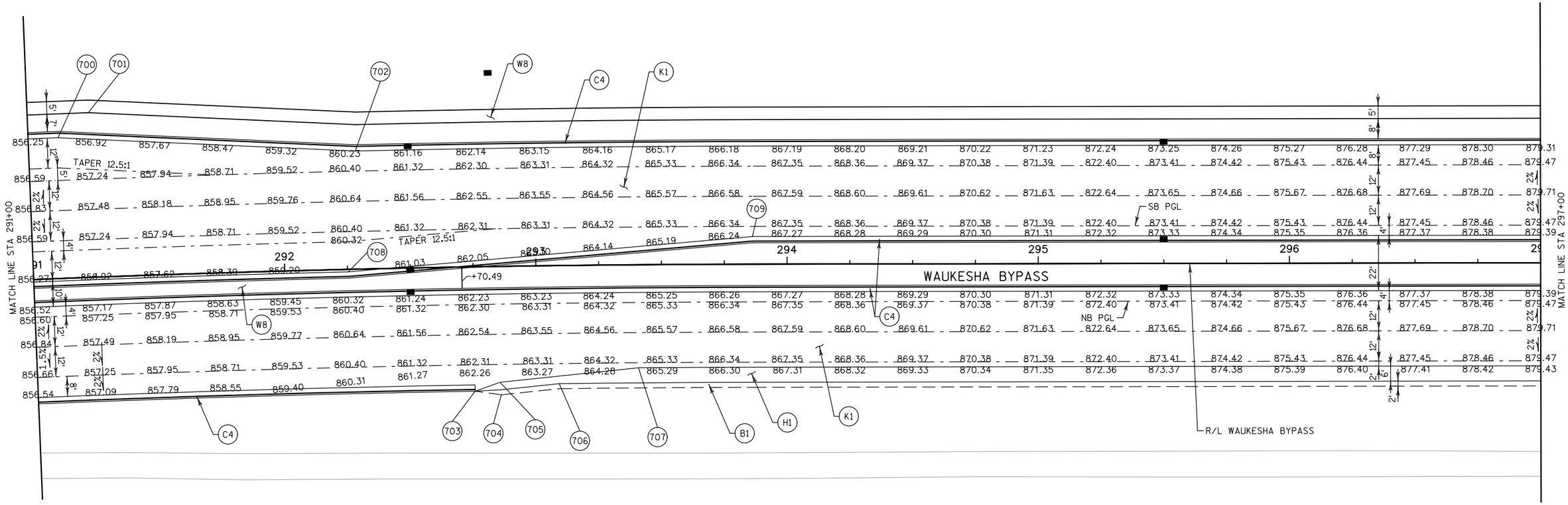
POINT NO.	STATION	OFFSET	CURVE INFO
641	51+50.00	0.00' LT	
642	51+15.00	0.00' LT	
643	50.76.33	0.00' LT	
644	50.76.33	6.00' LT	
645	51+15.00	6.00' LT	
646	51+15.00	33.00' LT	
647	50+98.00	33.00' LT	PC
648	289+40.67	102.00' RT	45' R
649	289+14.95	65.28' RT	PCC
650	289+71.76	147.00' RT	100' R
651	289+71.76	47.00' RT	PT
652	290+15.11	65.26' RT	PC
653	290+16.40	175.25' RT	110' R
654	290+22.53	65.42' RT	PT
655	290+50.00	66.85' RT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
656	285+56.81	1.00' RT	
657	287+14.57	11.00' LT	
658	288+12.44	11.00' LT	PC
659	288+12.44	49.00' RT	60' R
660	288+30.37	8.24' LT	PT
661	288+30.42	4.24' LT	PT
662	288+10.88	61.00' LT	60' R
663	288+10.88	1.00' LT	PC
664	287+17.69	1.00' LT	
665	285+53.75	11.46' RT	
666	289+34.52	1.00' RT	PT
667	289+34.52	71.00' RT	70' R
668	289.18.48	2.88' RT	PC
669	289+18.26	6.88' RT	PC
670	289+42.01	59.00' LT	70' R
671	289+42.01	11.00' RT	PT
672	286+04.07	34.50' RT	100' R
673	288+20.12	79.25' LT	PT
674	288+36.08	86.67' LT	17' R
675	288+22.53	76.21' LT	PC

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_021206_pd.dgn PLOT DATE : 29-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1



DATA TABLE

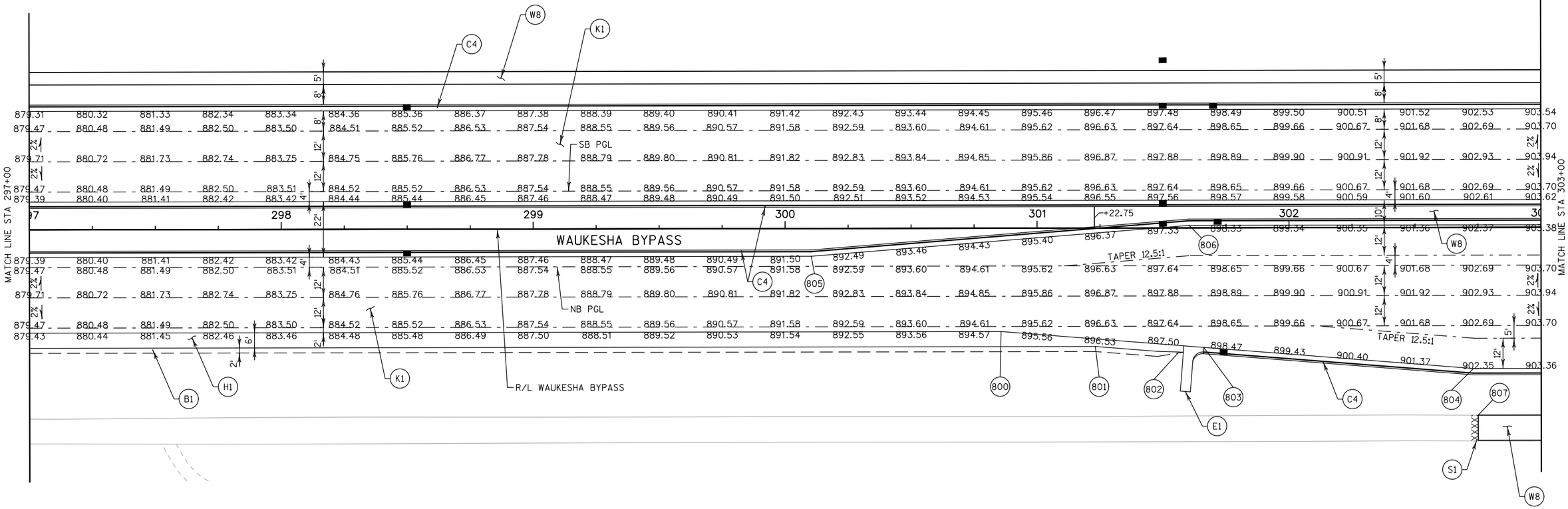
POINT NO.	STATION	OFFSET	CURVE INFO
700	291+11.92	56.00' LT	
701	291+24.24	65.50' LT	
702	292+29.17	47.00' LT	
703	292+75.00	49.50' RT	
704	292+85.47	51.10' RT	
705	292+85.03	46.12' RT	
706	293+08.72	47.00' RT	
707	293+40.53	41.00' RT	
708	292+25.32	1.00' RT	
709	293+86.23	11.00' LT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_021207_pd.dgn PLOT DATE : 29-JUL-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

2

N



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
800	300+85.66	41.00' RT	
801	301+23.04	47.00' RT	
802	301+55.89	49.63' RT	
803	301+66.10	47.44' RT	
804	302+73.16	56.00' RT	
805	300+10.35	11.00' RT	
806	301+60.35	1.00' LT	
807	302+75.00	74.50' RT	

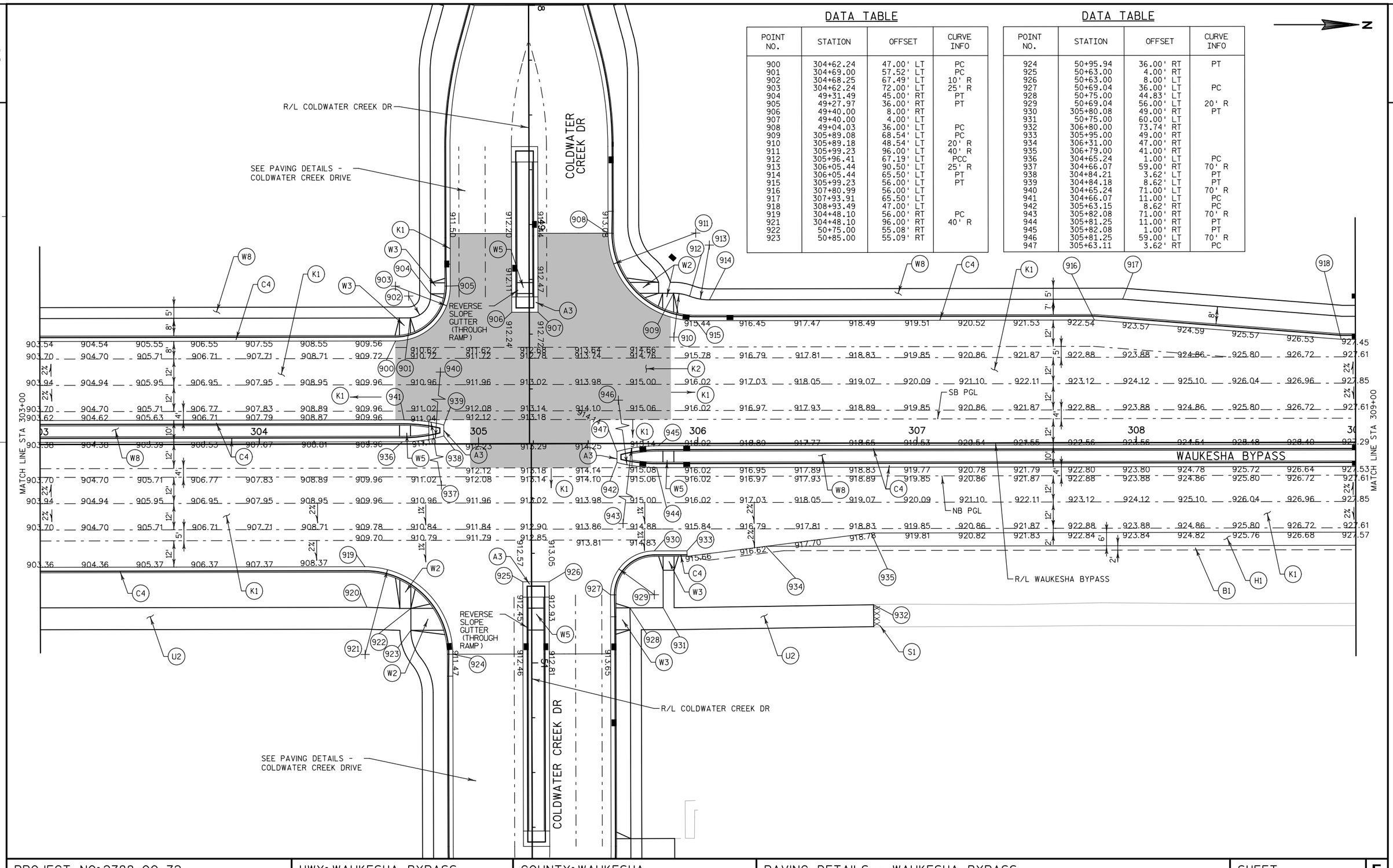
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

DATA TABLE

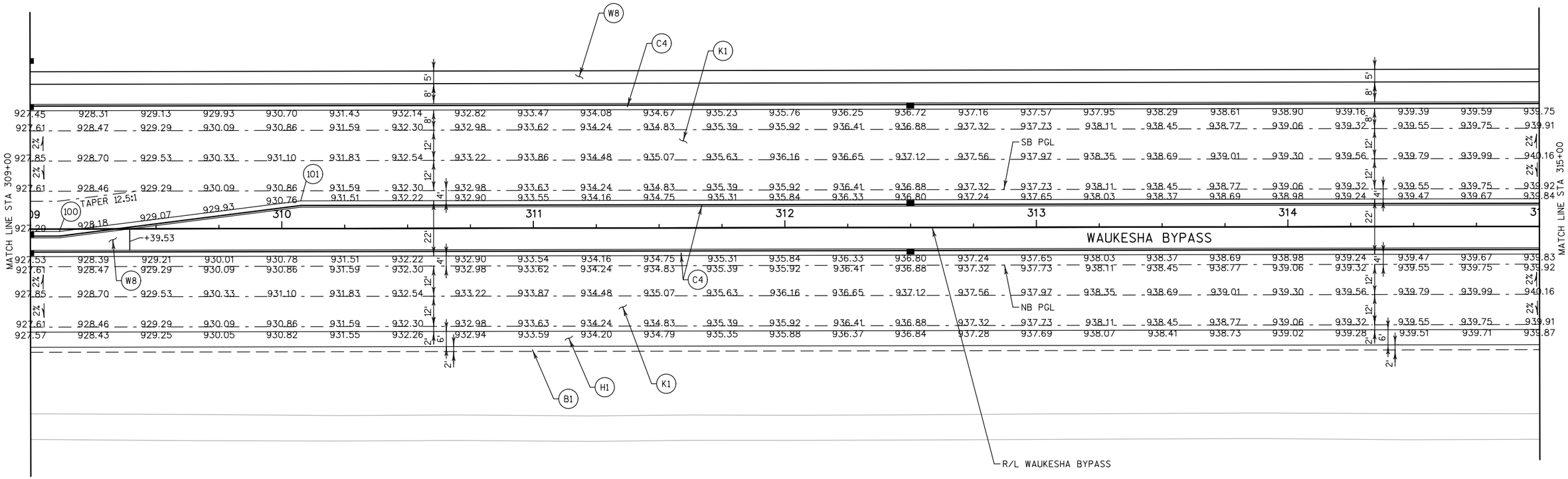
POINT NO.	STATION	OFFSET	CURVE INFO
900	304+62.24	47.00' LT	PC
901	304+69.00	57.52' LT	PC
902	304+68.25	67.49' LT	10' R
903	304+62.24	72.00' LT	25' R
904	49+31.49	45.00' RT	PT
905	49+27.97	36.00' RT	PT
906	49+40.00	8.00' RT	
907	49+40.00	4.00' LT	
908	49+04.03	36.00' LT	PC
909	305+89.08	68.54' LT	PC
910	305+89.18	48.54' LT	20' R
911	305+99.23	96.00' LT	40' R
912	305+96.41	67.19' LT	PCC
913	306+05.44	90.50' LT	25' R
914	306+05.44	65.50' LT	PT
915	305+99.23	56.00' LT	PT
916	307+80.99	56.00' LT	
917	307+93.91	65.50' LT	
918	308+93.49	47.00' LT	
919	304+48.10	56.00' RT	PC
921	304+48.10	96.00' RT	40' R
922	50+75.00	55.08' RT	
923	50+85.00	55.09' RT	

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
924	50+95.94	36.00' RT	PT
925	50+63.00	4.00' RT	
926	50+63.00	8.00' LT	
927	50+69.04	36.00' LT	PC
928	50+75.00	44.83' LT	
929	50+69.04	56.00' LT	20' R
930	305+80.08	49.00' RT	PT
931	50+75.00	60.00' LT	
932	306+80.00	73.74' RT	
933	305+95.00	49.00' RT	
934	306+31.00	47.00' RT	
935	306+79.00	41.00' RT	
936	304+65.24	1.00' LT	PC
937	304+66.07	59.00' RT	70' R
938	304+84.21	3.62' LT	PT
939	304+84.18	8.62' LT	PT
940	304+65.24	71.00' LT	70' R
941	304+66.07	11.00' LT	PC
942	305+63.15	8.62' RT	PC
943	305+82.08	71.00' RT	70' R
944	305+81.25	11.00' RT	PT
945	305+82.08	1.00' RT	PT
946	305+81.25	59.00' LT	70' R
947	305+63.11	3.62' RT	PC



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E



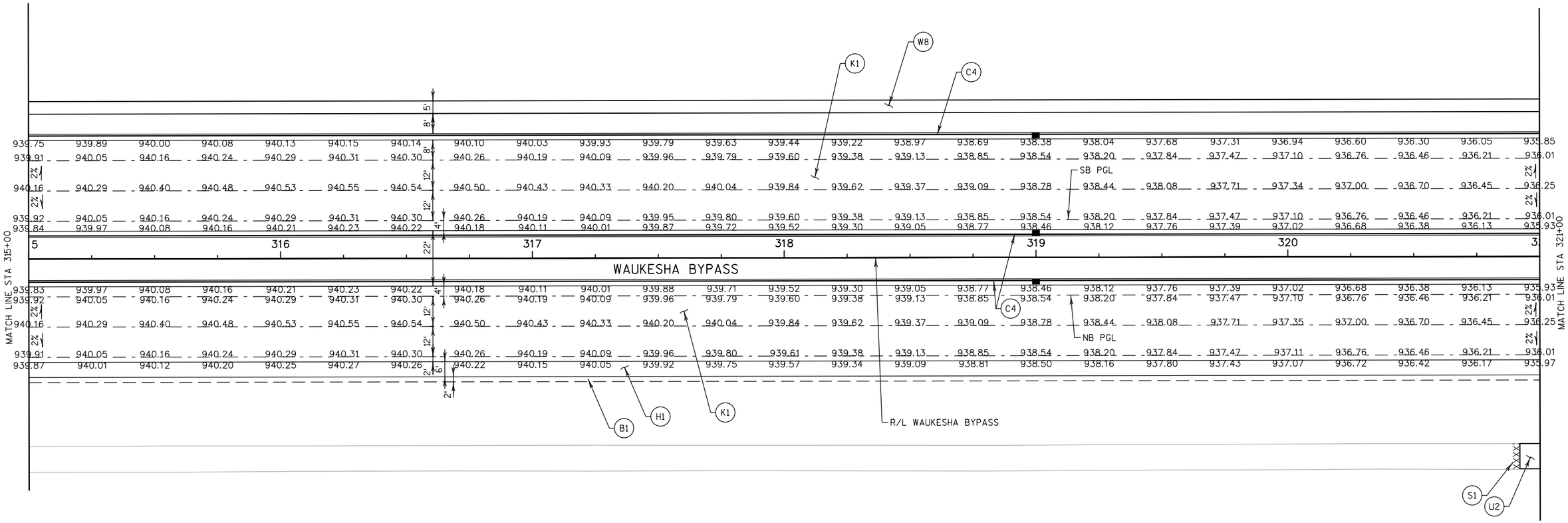
DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
100	309+11.53	1.00' RT	
101	310+07.53	11.00' LT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

2

N



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

2

N

W8
C4
K1
SB PGL
NB PGL
WAUKESHA BYPASS
R/L WAUKESHA BYPASS
B1
H1
K1
S1
U2
S1
U2
S1

MATCH LINE STA 321+00

935.85 935.69 935.58 935.51 935.49 935.52 935.59 935.72 935.88 936.10 936.36 936.66 937.01 937.41 937.86 938.35 938.89 939.47 940.10 940.78 941.51 942.28 943.09 943.96 944.87
936.01 935.85 935.74 935.67 935.65 935.68 935.75 935.88 936.04 936.26 936.52 936.82 937.17 937.57 938.02 938.51 939.05 939.63 940.26 940.94 941.67 942.44 943.25 944.12 945.03
936.25 936.09 935.98 935.91 935.89 935.92 936.00 936.12 936.28 936.50 936.76 937.06 937.41 937.81 938.26 938.75 939.29 939.87 940.51 941.18 941.91 942.68 943.49 944.36 945.27
936.01 935.85 935.74 935.67 935.65 935.68 935.76 935.88 936.04 936.26 936.52 936.82 937.17 937.57 938.02 938.51 939.05 939.63 940.27 940.94 941.67 942.44 943.25 944.12 945.03
935.93 935.77 935.66 935.59 935.57 935.60 935.68 935.80 935.96 936.18 936.44 936.74 937.09 937.49 937.94 938.43 938.97 939.55 940.18 940.86 941.59 942.36 943.17 944.04 944.95

21 322 323 324 325 326 32

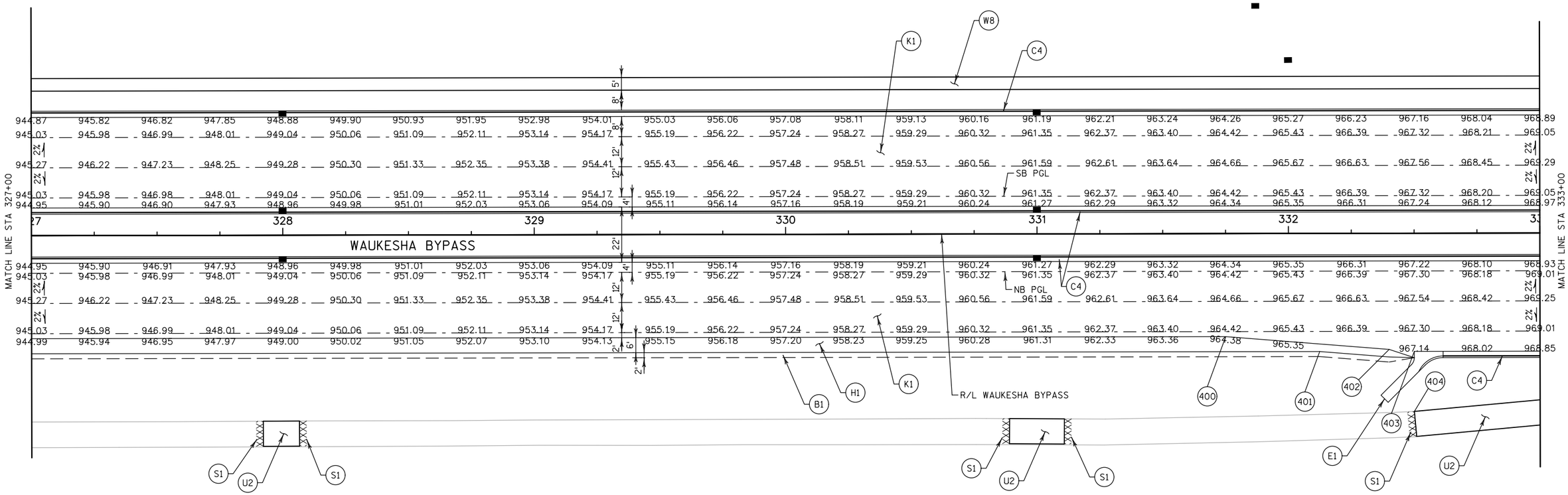
935.93 935.77 935.66 935.59 935.58 935.60 935.68 935.80 935.96 936.18 936.44 936.74 937.10 937.49 937.94 938.43 938.97 939.55 940.19 940.86 941.59 942.36 943.17 944.04 944.95
936.01 935.85 935.74 935.67 935.66 935.68 935.76 935.88 936.04 936.26 936.52 936.82 937.17 937.57 938.02 938.51 939.05 939.63 940.27 940.94 941.67 942.44 943.25 944.12 945.03
936.25 936.09 935.98 935.91 935.90 935.92 936.00 936.12 936.28 936.50 936.76 937.06 937.41 937.81 938.26 938.75 939.29 939.87 940.51 941.18 941.91 942.68 943.49 944.36 945.27
936.01 935.85 935.74 935.67 935.66 935.68 935.76 935.88 936.04 936.26 936.52 936.82 937.18 937.57 938.02 938.51 939.05 939.63 940.27 940.94 941.67 942.44 943.25 944.12 945.03
935.97 935.81 935.70 935.63 935.62 935.64 935.72 935.84 936.00 936.22 936.48 936.78 937.14 937.53 937.98 938.47 939.01 939.59 940.23 940.90 941.63 942.40 943.21 944.08 944.99

MATCH LINE STA 327+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E

2

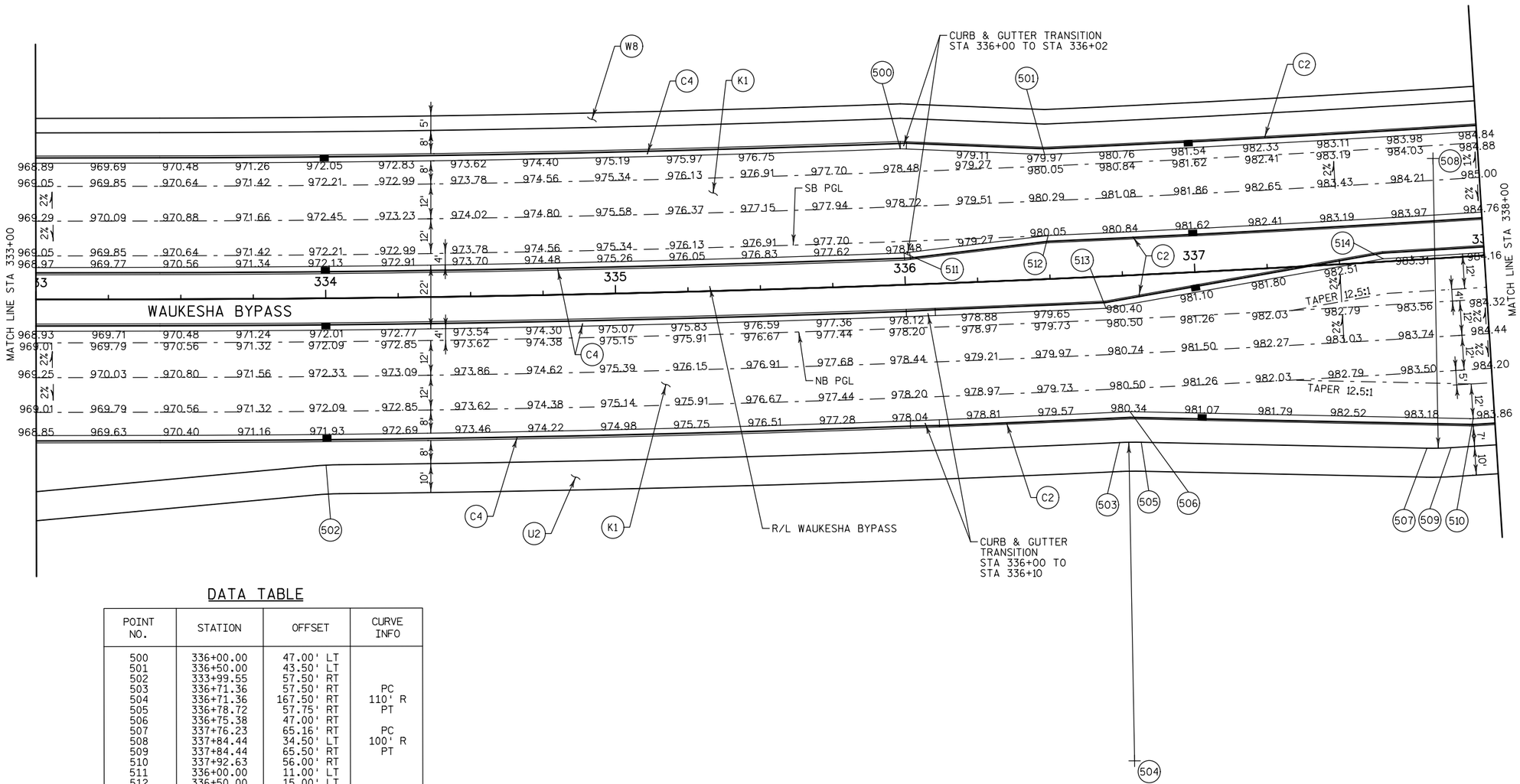
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DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
400	331+75.00	41.00' RT	
401	332+12.38	47.00' RT	
402	332+40.00	46.20' RT	
403	332+50.00	47.00' RT	
404	332+50.00	70.89' RT	

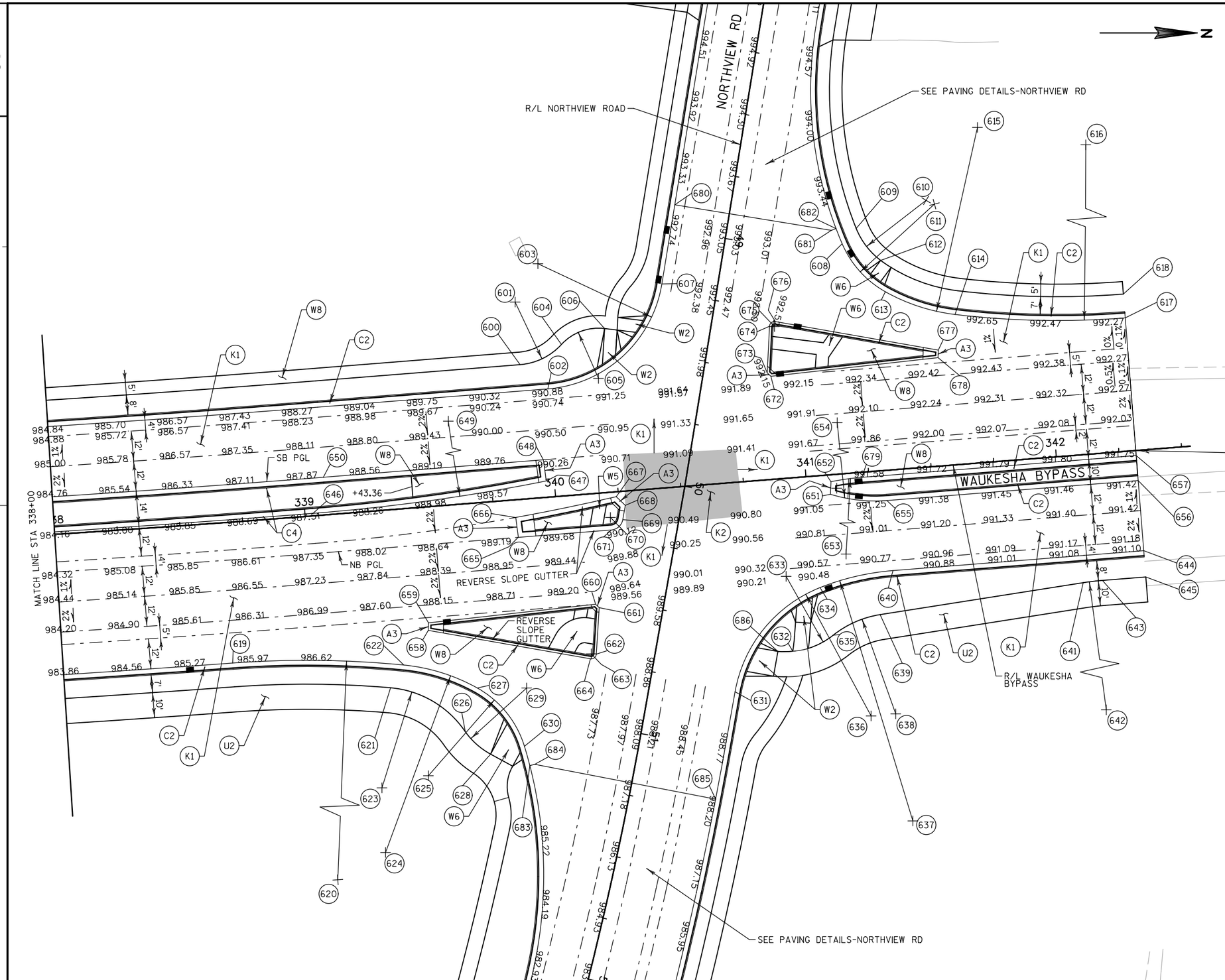
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
500	336+00.00	47.00' LT	
501	336+50.00	43.50' LT	
502	333+99.55	57.50' RT	
503	336+71.36	57.50' RT	PC
504	336+71.36	167.50' RT	110' R
505	336+78.72	57.75' RT	PT
506	336+75.38	47.00' RT	
507	337+76.23	65.16' RT	PC
508	337+84.44	34.50' LT	100' R
509	337+84.44	65.50' RT	PT
510	337+92.63	56.00' RT	
511	336+00.00	11.00' LT	
512	336+50.00	15.00' LT	
513	336+68.82	11.00' RT	
514	337+65.19	1.00' LT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E



DATA TABLE

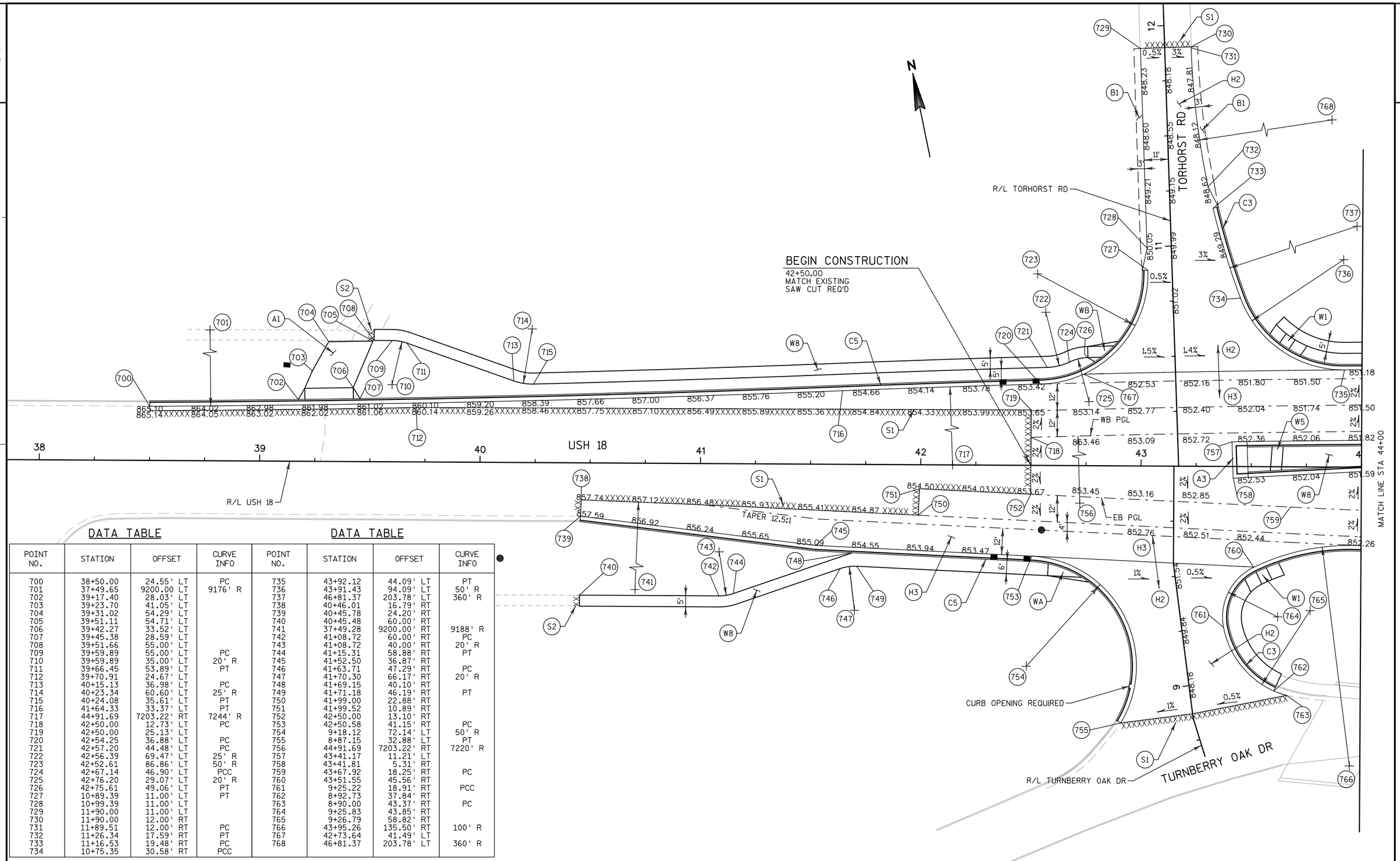
POINT NO.	STATION	OFFSET	CURVE INFO
600	339+90.09	53.50' LT	PC
601	339+90.09	78.50' LT	25' R
602	340+00.34	43.00' LT	PC
603	340+00.34	93.00' LT	50' R
604	340+07.13	60.21' LT	PCC
605	340+20.77	45.58' LT	20' R
606	340+24.76	65.17' LT	PT
607	340+48.90	81.06' LT	PT
608	341+21.72	91.35' LT	PCC
609	341+27.77	96.98' LT	PC
610	341+56.41	105.93' LT	30' R
611	341+59.61	104.16' LT	40' R
612	341+36.48	83.51' LT	PCC
613	341+37.35	70.93' LT	PCC
614	341+64.30	59.72' LT	PCC
615	341+79.08	133.25' LT	75' R
616	342+31.74	395.00' LT	342' R
617	342+31.74	53.00' LT	PT
618	342+31.74	62.50' LT	
619	338+66.93	56.00' RT	PC
620	338+66.93	456.00' RT	400' R
621	339+28.49	70.68' RT	PC
622	339+34.47	62.07' RT	PCC
623	339+21.92	110.14' RT	40' R
624	339+21.32	135.91' RT	75' R
625	339+40.73	106.79' RT	40' R
626	339+56.54	90.09' RT	PCC
627	339+62.92	73.51' RT	PCC
628	339+66.11	100.19' RT	PT
629	339+82.50	75.06' RT	30' R
630	339+79.79	98.13' RT	PCC
631	340+65.10	83.13' RT	PC
632	340+89.28	68.83' RT	
633	340+89.00	38.93' RT	30' R
634	341+02.10	44.44' RT	PCC
635	341+05.78	63.80' RT	PCC
636	341+18.32	97.00' RT	55' R
637	341+31.58	140.00' RT	100' R
638	341+28.16	96.95' RT	40' R

END PROJECT ID 2788-00-02
BEGIN CITY OF WAUKESHA PROJECT
STA 342+31.74

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
639	341+25.09	57.07' RT	PT
640	341+31.58	40.00' RT	PT
641	342+06.71	50.79' RT	PC
642	342+14.38	150.50' RT	100' R
643	342+14.38	50.50' RT	PT
644	342+31.72	40.00' RT	
645	342+31.74	50.50' RT	
646	339+03.20	1.00' LT	PC
647	339+96.81	6.51' LT	PT
648	339+96.33	15.00' LT	
649	339+03.20	789.00' LT	789' R
650	339+08.45	15.00' LT	
651	341+09.17	7.74' RT	PC
652	341+09.78	2.77' RT	PC
653	341+22.18	102.00' RT	100' R
654	341+31.39	48.00' LT	60' R
655	341+31.39	12.00' RT	PT
656	342+31.74	12.00' RT	
657	342+31.74	2.00' RT	
658	339+45.27	49.09' RT	
659	339+45.60	46.11' RT	
660	340+12.50	43.97' RT	
661	340+13.83	45.46' RT	
662	340+11.21	63.82' RT	PT
663	340+09.23	63.54' RT	2' R
664	340+08.73	65.48' RT	PC
665	339+83.85	15.00' RT	
666	339+83.45	7.02' RT	
667	340+24.08	1.95' RT	
668	340+27.41	5.68' RT	
669	340+25.95	11.26' RT	PT
670	340+21.12	10.00' RT	5' R
671	340+21.12	15.00' RT	PC
672	340+89.26	40.98' LT	
673	340+87.91	42.46' LT	
674	340+90.28	60.87' LT	PC
675	340+92.27	60.61' LT	2' R
676	340+92.77	62.55' LT	PT
677	341+56.52	46.09' LT	
678	341+56.19	43.11' LT	
679	341+22.18	2.00' RT	PT
680	48+90.00	22.00' RT	
681	48+90.00	41.15' LT	
682	48+89.00	42.88' LT	
683	51+20.88	41.14' RT	
684	51+20.00	39.33' RT	
685	51+20.00	34.00' LT	
686	340+83.37	68.46' RT	PC

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - WAUKESHA BYPASS	SHEET	E



DATA TABLE

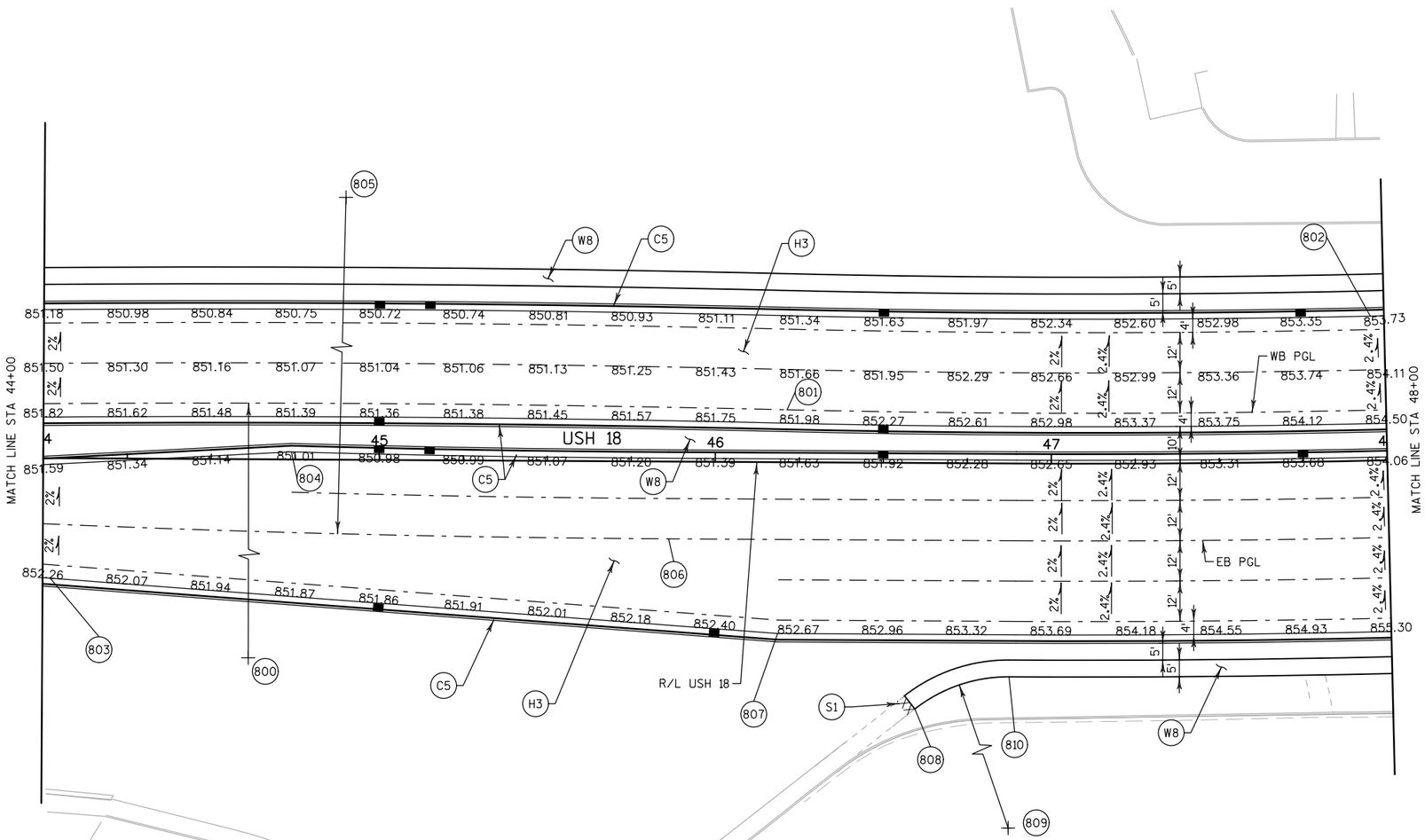
POINT NO.	STATION	OFFSET	CURVE INFO
700	38+50.00	24.55' LT	PC
701	37+49.65	9200.00 LT	9176' R
702	39+17.40	28.03' LT	
703	39+23.70	41.05' LT	
704	39+31.02	54.29' LT	
705	39+51.11	54.71' LT	
706	39+42.27	33.52' LT	
707	39+45.38	28.59' LT	
708	39+51.66	55.00' LT	
709	39+59.89	55.00' LT	PC
710	39+59.89	35.00' LT	20' R
711	39+66.45	53.89' LT	PT
712	39+70.91	24.67' LT	
713	40+15.13	36.98' LT	PC
714	40+23.34	60.60' LT	25' R
715	40+24.08	35.61' LT	PT
716	41+64.33	33.37' LT	PT
717	44+91.69	7203.22' RT	7244' R
718	42+50.00	12.73' LT	PC
719	42+50.00	25.13' LT	
720	42+54.25	36.88' LT	PC
721	42+57.20	44.48' LT	PC
722	42+56.39	69.47' LT	25' R
723	42+52.61	86.86' LT	50' R
724	42+67.14	46.90' LT	PCC
725	42+76.20	29.07' LT	20' R
726	42+75.61	49.06' LT	PT
727	10+89.39	11.00' LT	PT
728	10+99.39	11.00' LT	
729	11+90.00	11.00' LT	
730	11+90.00	12.00' RT	
731	11+89.51	12.00' RT	PC
732	11+26.34	17.59' RT	PT
733	11+16.53	19.48' RT	PC
734	10+75.35	30.58' RT	PCC

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
735	43+92.12	44.09' LT	PT
736	43+91.43	94.09' LT	50' R
737	46+81.37	203.78' LT	360' R
738	40+46.01	16.79' RT	
739	40+45.78	24.20' RT	
740	40+45.48	60.00' RT	
741	37+49.28	9200.00' RT	9188' R
742	41+08.72	60.00' RT	PC
743	41+08.72	40.00' RT	20' R
744	41+15.31	58.88' RT	PT
745	41+52.50	36.87' RT	
746	41+63.71	47.29' RT	PC
747	41+70.30	66.17' RT	20' R
748	41+69.15	40.10' RT	
749	41+71.18	46.19' RT	PT
750	41+99.00	22.88' RT	
751	41+99.52	10.89' RT	
752	42+50.00	13.10' RT	
753	42+50.58	41.15' RT	PC
754	9+18.12	72.14' LT	50' R
755	8+87.15	32.88' LT	PT
756	44+91.69	7203.22' RT	7220' R
757	43+41.17	11.21' LT	
758	43+41.81	5.31' RT	
759	43+67.92	18.25' RT	PC
760	43+51.55	45.56' RT	
761	9+25.22	18.91' RT	PCC
762	8+92.73	37.84' RT	
763	8+90.00	43.37' RT	PC
764	9+25.83	43.85' RT	
765	9+26.79	58.82' RT	
766	43+95.26	135.50' RT	100' R
767	42+73.64	41.49' LT	
768	46+81.37	203.78' LT	360' R

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - USH 18	SHEET	E

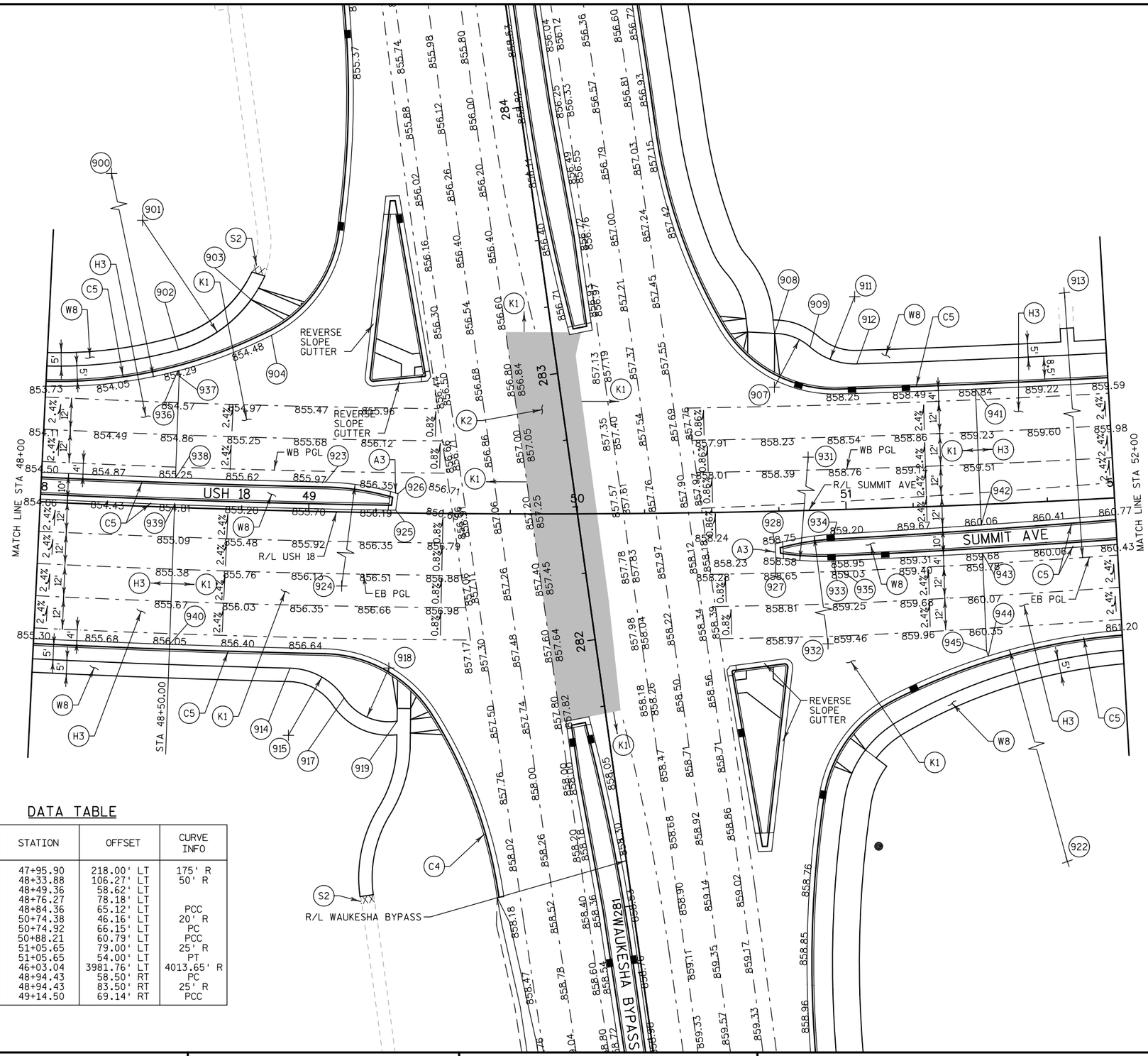
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DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
800	44+91.69	7203.22' RT	7220' R
801	46+21.27	15.61' LT	PT
802	47+95.90	43.00' LT	PC
803	44+02.29	35.75' RT	
804	44+73.85	2.26' LT	
805	61+07.34	4954.47' LT	5000' R
806	45+86.23	23.00' RT	PT
807	46+18.84	51.00' RT	
808	46+59.81	73.23' RT	PC
809	46+87.76	108.50' RT	45' R
810	46+87.78	6350' RT	PT

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - USH 18	SHEET	E



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
900	47+95.90	218.00' LT	175' R
901	48+33.88	106.27' LT	50' R
902	48+49.36	58.62' LT	
903	48+76.27	78.18' LT	
904	48+84.36	65.12' LT	PCC
907	50+74.38	46.16' LT	20' R
908	50+74.92	66.15' LT	PC
909	50+88.21	60.79' LT	PCC
911	51+05.65	79.00' LT	25' R
912	51+05.65	54.00' LT	PT
913	46+03.04	3981.76' LT	4013.65' R
914	48+94.43	58.50' RT	PC
915	48+94.43	83.50' RT	25' R
917	49+14.50	69.14' RT	PCC

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
918	49+30.66	57.73' RT	20' R
919	49+33.94	77.45' RT	PT
922	279+51.51	180.63' RT	225' R
923	49+05.96	11.00' LT	PC
924	49+05.96	89.00' RT	100' R
925	49+32.36	1.00' LT	
926	49+33.15	7.15' LT	PT
927	50+73.46	17.17' RT	PC
928	50+73.31	12.17' RT	PC
931	50+93.03	80.93' LT	100' R
932	50+97.75	109.04' RT	100' R
933	50+94.79	19.05' RT	PT
934	50+95.17	9.07' RT	PT
935	50+97.88	23.00' RT	PCC
936	48+49.42	50.79' LT	
937	48+50.00	48.87' LT	
938	48+50.00	11.00' LT	
939	48+50.00	0.00' RT	
940	48+50.00	51.00' RT	
941	51+50.00	43.00' LT	
942	51+50.00	7.61' LT	
943	51+50.00	18.12' RT	
944	51+50.00	54.52' RT	
945	51+50.51	56.45' RT	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - USH 18/SUMMIT AVE	SHEET	E

DATA TABLE

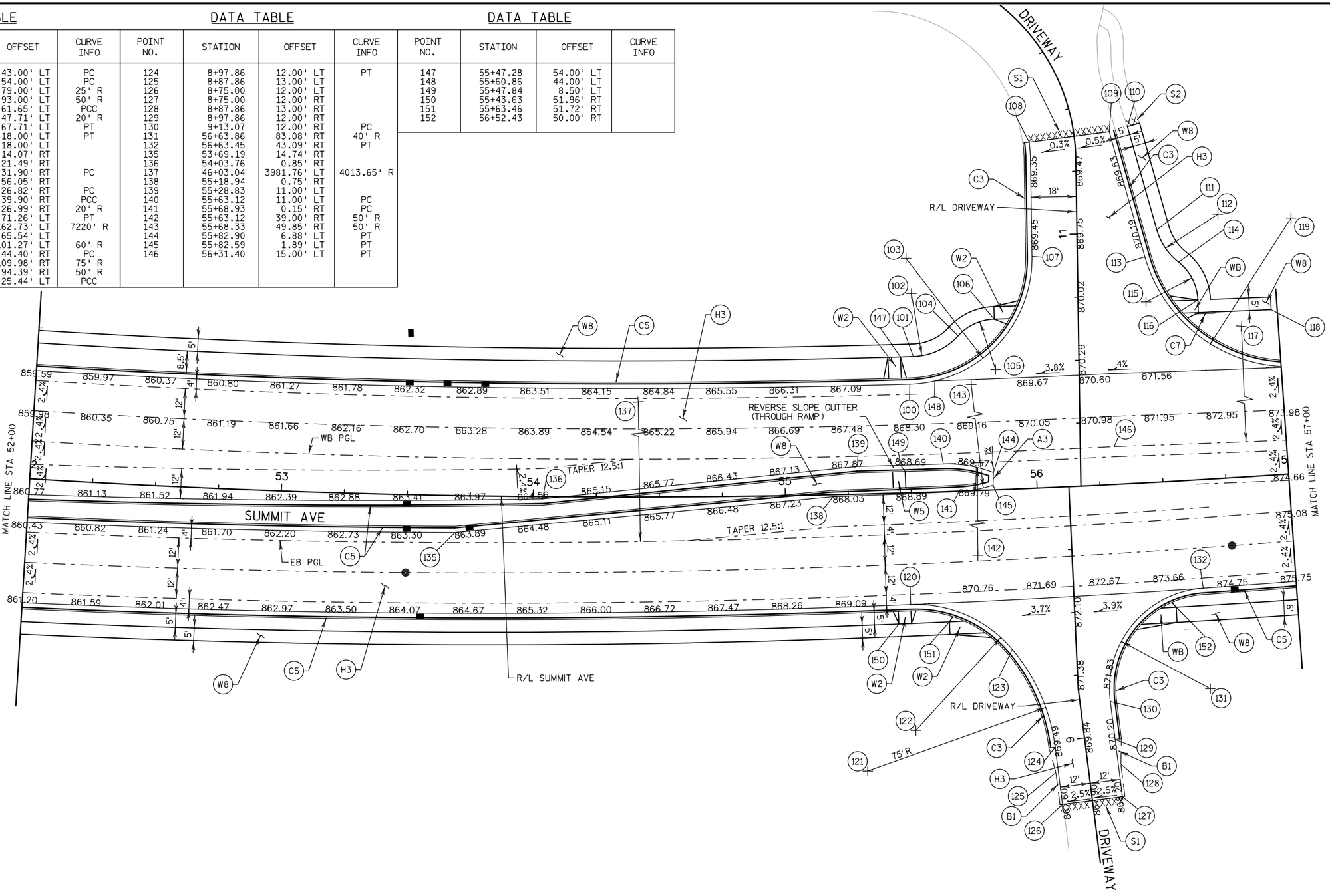
POINT NO.	STATION	OFFSET	CURVE INFO
100	55+50.73	43.00' LT	PC
101	55+52.50	54.00' LT	PC
102	55+52.50	79.00' LT	25' R
103	55+50.73	93.00' LT	50' R
104	55+70.83	61.65' LT	PCC
105	55+85.38	47.71' LT	20' R
106	55+85.64	67.71' LT	PT
107	10+91.44	18.00' LT	PT
108	11+38.86	18.00' LT	
109	11+38.86	14.07' RT	
110	11+39.73	21.49' RT	
111	11+00.59	31.90' RT	PC
112	11+07.06	56.05' RT	
113	10+90.56	26.82' RT	PC
114	10+87.97	39.90' RT	PCC
115	10+72.69	26.99' RT	20' R
116	56+68.23	71.26' LT	PT
117	39+84.13	7162.73' LT	7220' R
118	56+97.53	65.54' LT	
119	57+08.17	101.27' LT	60' R
120	55+48.47	44.40' RT	PC
121	55+30.02	109.98' RT	75' R
122	55+49.05	94.39' RT	50' R
123	9+36.57	25.44' LT	PCC

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
124	8+97.86	12.00' LT	PT
125	8+87.86	13.00' LT	
126	8+75.00	12.00' LT	
127	8+75.00	12.00' RT	
128	8+87.86	13.00' RT	
129	8+97.86	12.00' RT	
130	9+13.07	12.00' RT	PC
131	56+63.86	83.08' RT	40' R
132	56+63.45	43.09' RT	PT
135	53+69.19	14.74' RT	
136	54+03.76	0.85' RT	
137	46+03.04	3981.76' LT	4013.65' R
138	55+18.94	0.75' RT	
139	55+28.83	11.00' LT	
140	55+63.12	11.00' LT	PC
141	55+68.93	0.15' RT	PC
142	55+63.12	39.00' RT	50' R
143	55+68.33	49.85' RT	50' R
144	55+82.90	6.88' LT	PT
145	55+82.59	1.89' LT	PT
146	56+31.40	15.00' LT	PT

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
147	55+47.28	54.00' LT	
148	55+60.86	44.00' LT	
149	55+47.84	8.50' LT	
150	55+43.63	51.96' RT	
151	55+63.46	51.72' RT	
152	56+52.43	50.00' RT	

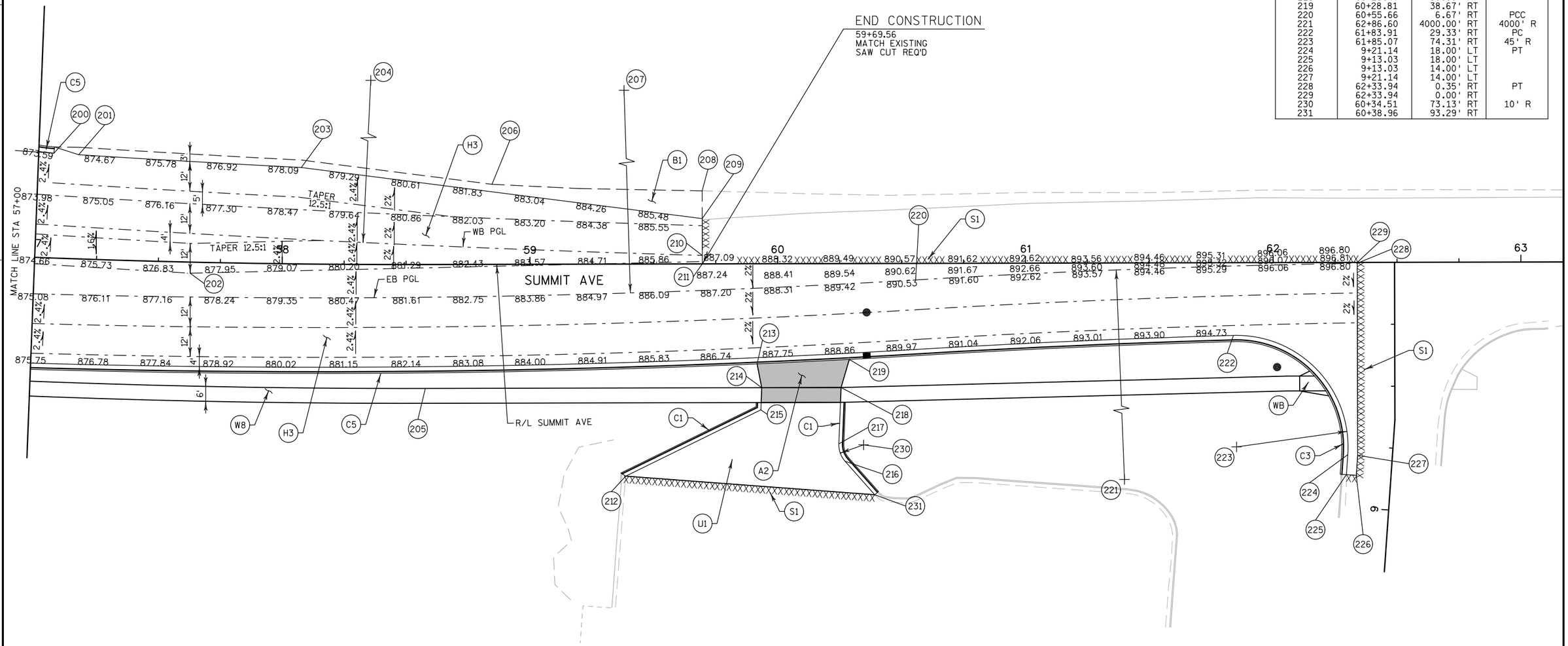


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - SUMMIT AVE	SHEET	E

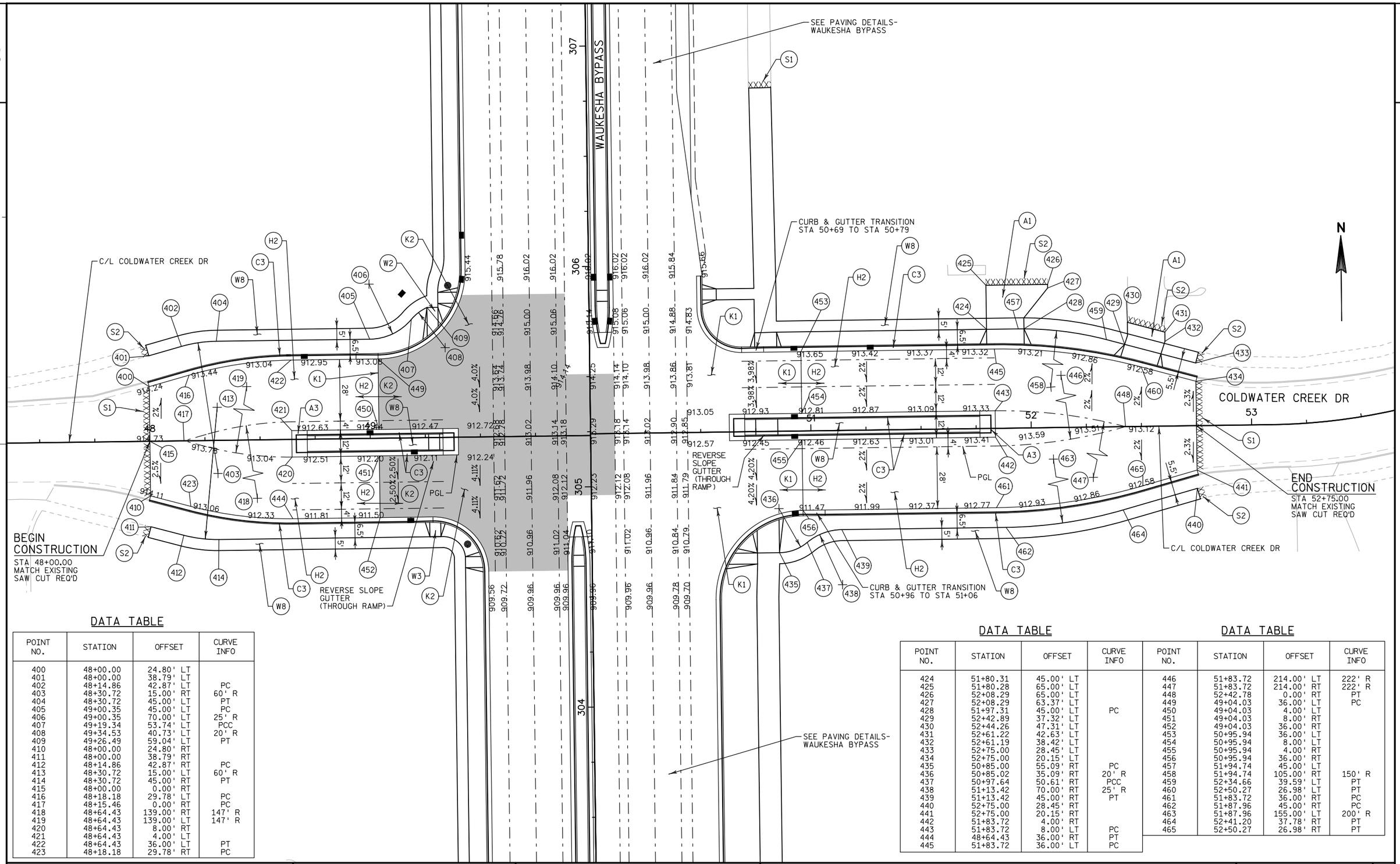
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DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
200	57+06.25	42.30' LT	
201	57+16.36	42.02' LT	
202	57+62.92	4.47' RT	
203	58+07.27	38.91' LT	
204	39+84.13	7162.73' LT	7220' R
205	58+57.65	50.00' RT	
206	58+84.73	32.29' LT	
207	46+03.04	3981.76' LT	4013.65' R
208	59+69.56	29.45' LT	
209	59+69.56	18.27' LT	
210	59+69.56	3.41' LT	PT
211	59+69.56	0.00' RT	
212	59+38.46	85.56' RT	
213	59+91.59	40.39' RT	
214	59+93.44	50.00' RT	
215	59+93.07	58.94' RT	
216	60+27.01	79.75' RT	PT
217	60+24.52	72.71' RT	PC
218	60+25.47	50.00' RT	
219	60+28.81	38.67' RT	
220	60+55.66	6.67' RT	PCC
221	62+86.60	4000.00' RT	4000' R
222	61+83.91	29.33' RT	PC
223	61+85.07	74.31' RT	45' R
224	9+21.14	18.00' LT	PT
225	9+13.03	18.00' LT	
226	9+13.03	14.00' LT	
227	9+21.14	14.00' LT	
228	62+33.94	0.35' RT	PT
229	62+33.94	0.00' RT	
230	60+34.51	73.13' RT	10' R
231	60+38.96	93.29' RT	



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - SUMMIT AVE	SHEET	E



DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
400	48+00.00	24.80' LT	
401	48+00.00	38.79' LT	
402	48+14.86	42.87' LT	PC
403	48+30.72	15.00' RT	60' R
404	48+30.72	45.00' LT	PT
405	49+00.35	45.00' LT	PC
406	49+00.35	70.00' LT	25' R
407	49+19.34	53.74' LT	PCC
408	49+34.53	40.73' LT	20' R
409	49+26.49	59.04' LT	PT
410	48+00.00	24.80' RT	
411	48+00.00	38.79' RT	
412	48+14.86	42.87' RT	PC
413	48+30.72	15.00' LT	60' R
414	48+30.72	45.00' RT	PT
415	48+00.00	0.00' RT	
416	48+18.18	29.78' LT	PC
417	48+15.46	0.00' RT	PC
418	48+64.43	139.00' RT	147' R
419	48+64.43	139.00' LT	147' R
420	48+64.43	8.00' RT	
421	48+64.43	4.00' LT	
422	48+64.43	36.00' LT	PT
423	48+18.18	29.78' RT	PC

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
424	51+80.31	45.00' LT	
425	51+80.28	65.00' RT	
426	52+08.29	65.00' LT	
427	52+08.29	63.37' LT	
428	51+97.31	45.00' LT	PC
429	52+42.89	37.32' LT	
430	52+44.26	47.31' LT	
431	52+61.22	42.63' LT	
432	52+61.19	38.42' LT	
433	52+75.00	28.45' LT	
434	52+75.00	20.15' LT	
435	50+85.00	55.09' RT	PC
436	50+85.02	35.09' RT	20' R
437	50+97.64	50.61' RT	PCC
438	51+13.42	70.00' RT	25' R
439	51+13.42	45.00' RT	PT
440	52+75.00	28.45' RT	
441	52+75.00	20.15' RT	
442	51+83.72	4.00' RT	
443	51+83.72	8.00' LT	PC
444	48+64.43	36.00' RT	PT
445	51+83.72	36.00' LT	PC

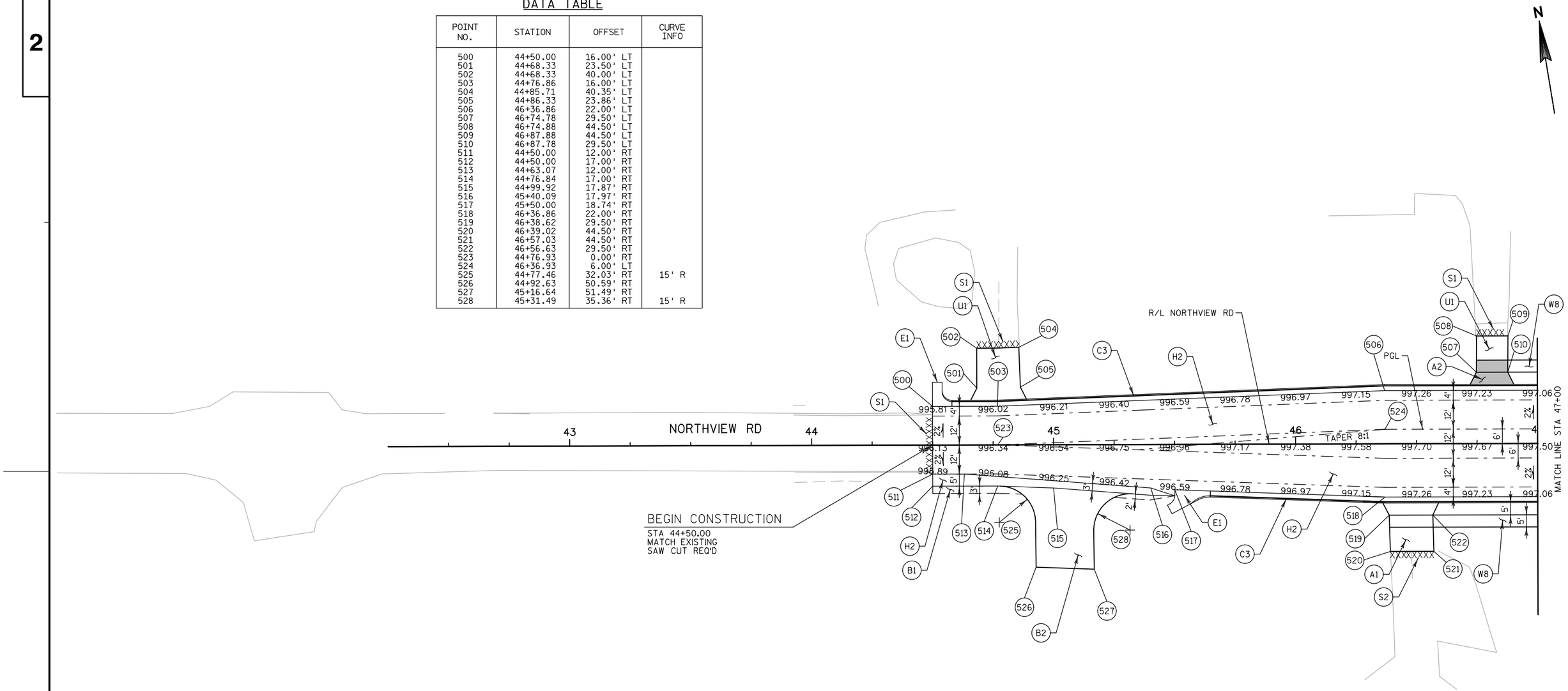
DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
446	51+83.72	214.00' LT	222' R
447	51+83.72	214.00' RT	222' R
448	52+42.78	0.00' RT	PT
449	49+04.03	36.00' LT	PC
450	49+04.03	4.00' LT	
451	49+04.03	8.00' RT	
452	49+04.03	36.00' RT	
453	50+95.94	36.00' LT	
454	50+95.94	8.00' LT	
455	50+95.94	4.00' RT	
456	50+95.94	36.00' RT	
457	51+94.74	45.00' LT	
458	51+94.74	105.00' RT	150' R
459	52+34.66	39.59' LT	PT
460	52+50.27	26.98' LT	PT
461	51+83.72	36.00' RT	PC
462	51+87.96	45.00' RT	PC
463	51+87.96	155.00' LT	200' R
464	52+41.20	37.78' RT	PT
465	52+50.27	26.98' RT	PT

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - COLDWATER CREEK DRIVE	SHEET	E

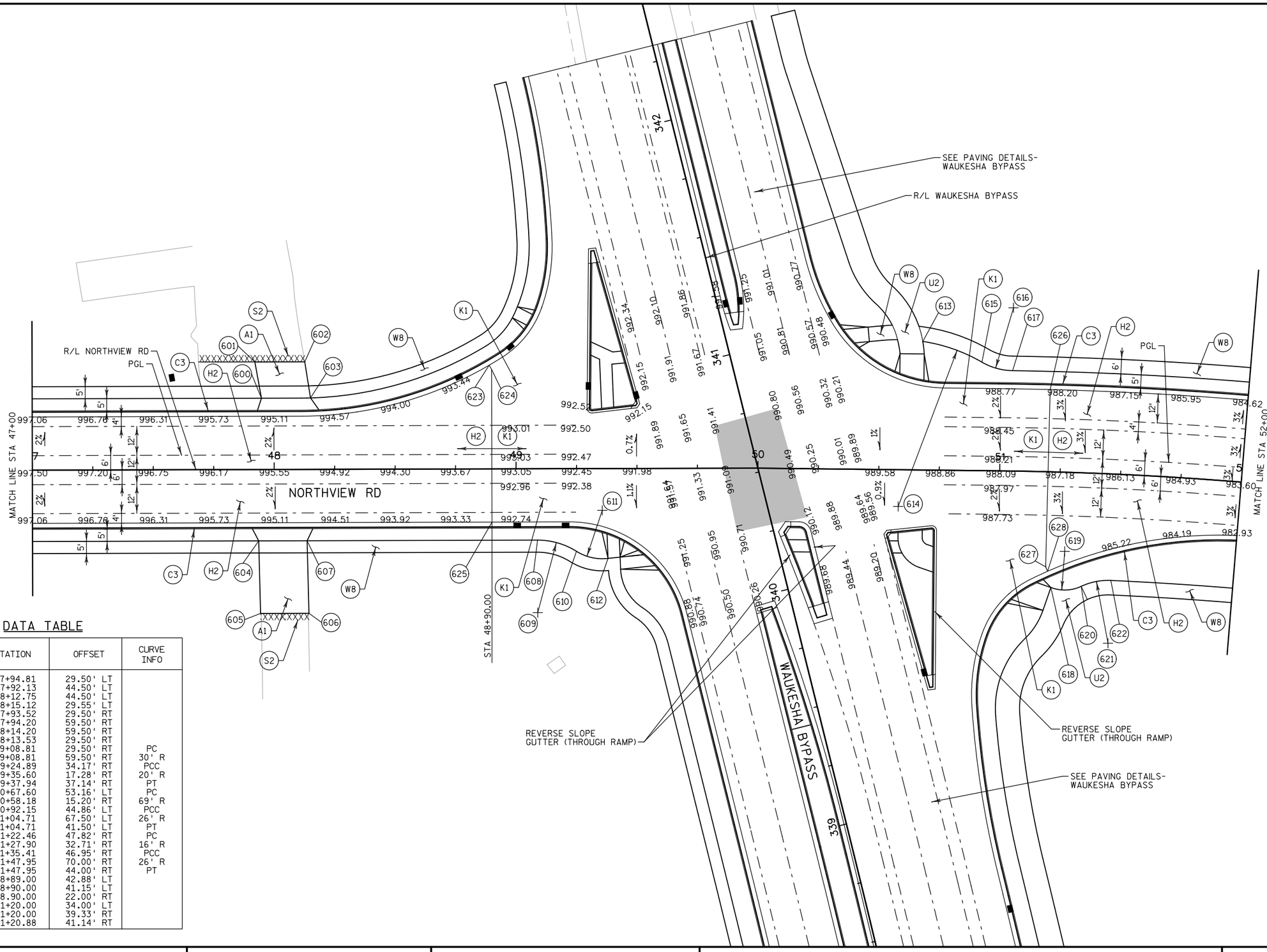
DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
500	44+50.00	16.00' LT	
501	44+68.33	23.50' LT	
502	44+68.33	40.00' LT	
503	44+76.86	16.00' LT	
504	44+85.71	40.35' LT	
505	44+86.33	23.86' LT	
506	46+36.86	22.00' LT	
507	46+74.78	29.50' LT	
508	46+74.88	44.50' LT	
509	46+87.88	44.50' LT	
510	46+87.78	29.50' LT	
511	44+50.00	12.00' RT	
512	44+50.00	17.00' RT	
513	44+63.07	12.00' RT	
514	44+76.84	17.00' RT	
515	44+99.92	17.87' RT	
516	45+40.09	17.97' RT	
517	45+50.00	18.74' RT	
518	46+36.86	22.00' RT	
519	46+38.62	29.50' RT	
520	46+39.02	44.50' RT	
521	46+57.03	44.50' RT	
522	46+56.63	29.50' RT	
523	44+76.93	0.00' RT	
524	46+36.93	6.00' LT	
525	44+77.46	32.03' RT	15' R
526	44+92.63	50.59' RT	
527	45+16.64	51.49' RT	
528	45+31.49	35.36' RT	15' R



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - NORTHVIEW ROAD	SHEET	E

2



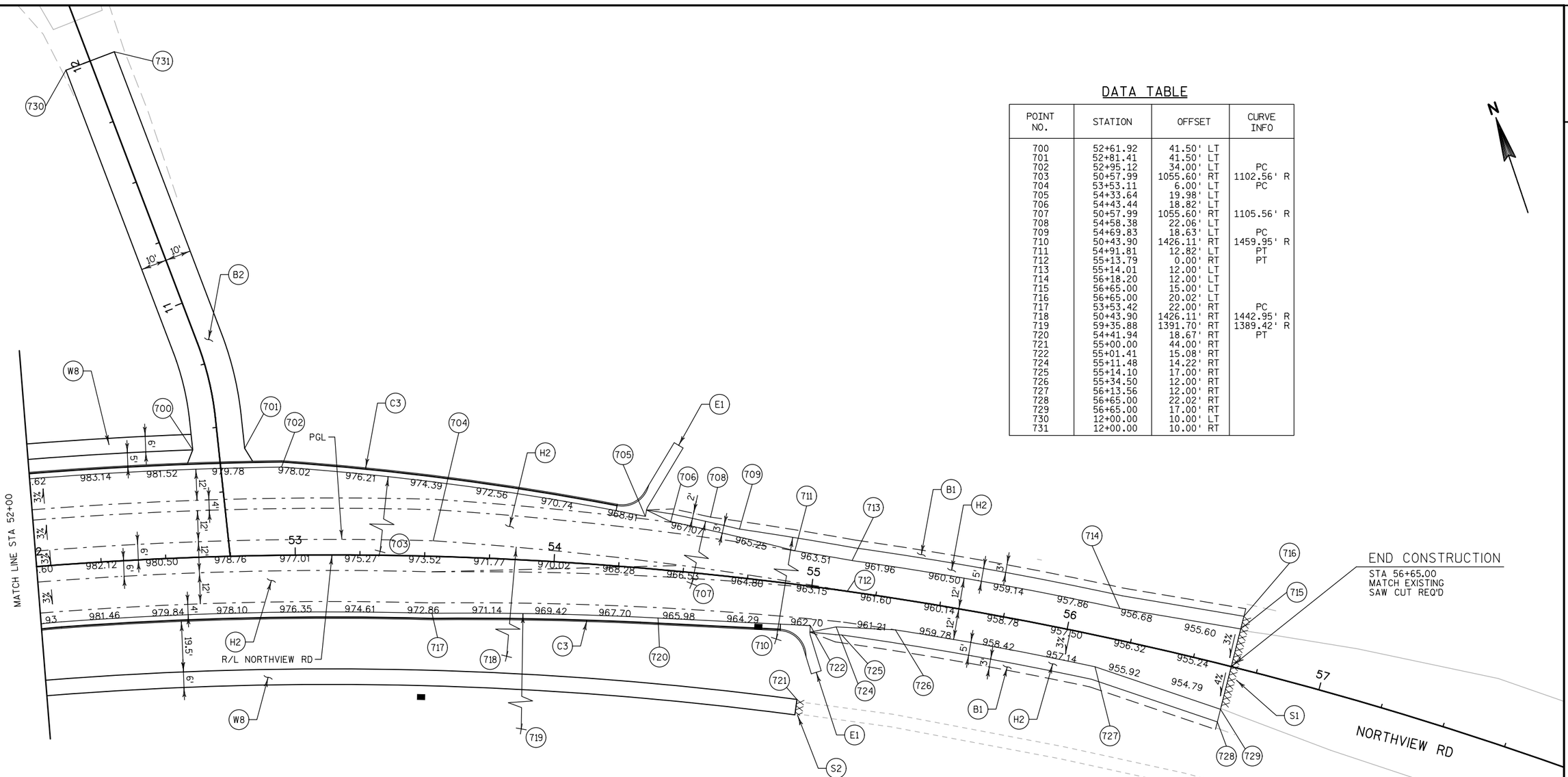
DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
600	47+94.81	29.50' LT	
601	47+92.13	44.50' LT	
602	48+12.75	44.50' LT	
603	48+15.12	29.55' LT	
604	47+93.52	29.50' RT	
605	47+94.20	59.50' RT	
606	48+14.20	59.50' RT	
607	48+13.53	29.50' RT	
608	49+08.81	29.50' RT	PC
609	49+08.81	59.50' RT	30' R
610	49+24.89	34.17' RT	PCC
611	49+35.60	17.28' RT	20' R
612	49+37.94	37.14' RT	PT
613	50+67.60	53.16' LT	PC
614	50+58.18	15.20' RT	69' R
615	50+92.15	44.86' LT	PCC
616	51+04.71	67.50' LT	26' R
617	51+04.71	41.50' LT	PT
618	51+22.46	47.82' RT	PC
619	51+27.90	32.71' RT	16' R
620	51+35.41	46.95' RT	PCC
621	51+47.95	70.00' RT	26' R
622	51+47.95	44.00' RT	PT
623	48+89.00	42.88' LT	
624	48+90.00	41.15' LT	
625	48.90.00	22.00' RT	
626	51+20.00	34.00' LT	
627	51+20.00	39.33' RT	
628	51+20.88	41.14' RT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - NORTHVIEW ROAD	SHEET	E

DATA TABLE

POINT NO.	STATION	OFFSET	CURVE INFO
700	52+61.92	41.50' LT	
701	52+81.41	41.50' LT	
702	52+95.12	34.00' LT	PC
703	50+57.99	1055.60' RT	1102.56' R
704	53+53.11	6.00' LT	PC
705	54+33.64	19.98' LT	
706	54+43.44	18.82' LT	
707	50+57.99	1055.60' RT	1105.56' R
708	54+58.38	22.06' LT	
709	54+69.83	18.63' LT	PC
710	50+43.90	1426.11' RT	1459.95' R
711	54+91.81	12.82' LT	PT
712	55+13.79	0.00' RT	PT
713	55+14.01	12.00' LT	
714	56+18.20	12.00' LT	
715	56+65.00	15.00' LT	
716	56+65.00	20.02' LT	
717	53+53.42	22.00' RT	PC
718	50+43.90	1426.11' RT	1442.95' R
719	59+35.88	1391.70' RT	1389.42' R
720	54+41.94	18.67' RT	PT
721	55+00.00	44.00' RT	
722	55+01.41	15.08' RT	
724	55+11.48	14.22' RT	
725	55+14.10	17.00' RT	
726	55+34.50	12.00' RT	
727	56+13.56	12.00' RT	
728	56+65.00	22.02' RT	
729	56+65.00	17.00' RT	
730	12+00.00	10.00' LT	
731	12+00.00	10.00' RT	



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVING DETAILS - NORTHVIEW ROAD	SHEET	E

LEGEND

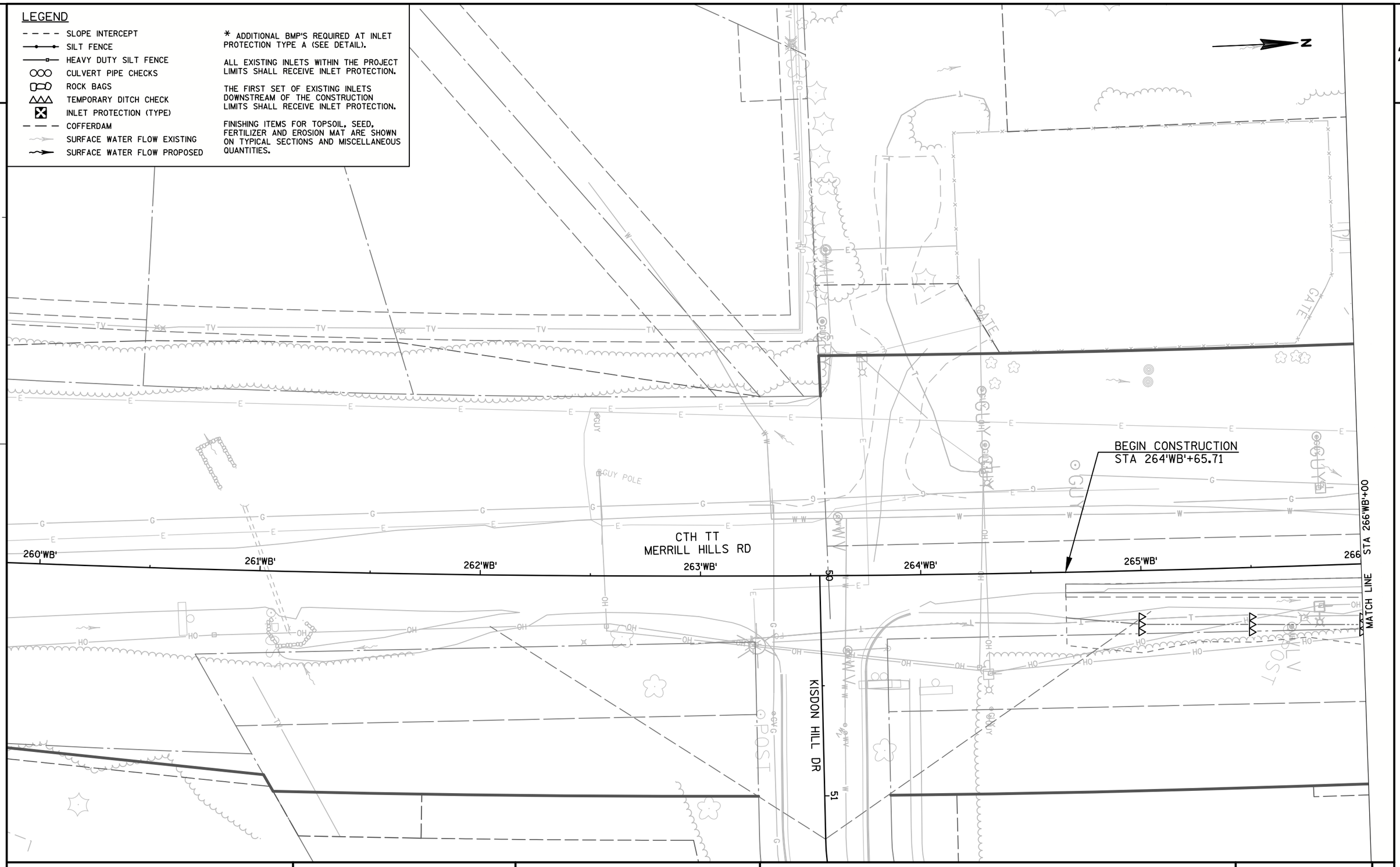
- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-02

PLOT DATE : 8/1/2016 8:44 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

PRIVATE STORMWATER POND

GAS ABANDONED PER PLAN

STA 266'WB+00

STA 272'WB+00

266'WB'

267'WB'

268'WB'

CTH TT
MERRILL HILLS RD

269'WB'

270'WB'

271'WB'

272'WB'

MATCH LINE

MATCH LINE

HSE

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-03

PLOT DATE : 8/1/2016 8:44 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

FIDDLERS CREEK DR

PRIVATE UNDERGROUND DETENTION PIPES

PRIVATE STORMWATER POND

CTH TT
MERRILL HILLS RD

TYPE A
TYPE C
TYPE D

49FC

50FC

51FC

52FC

BEGIN PROJECT ID 2788-02-70
STA 273'WB'+75.00

MATCH LINE STA 272'WB+00

MATCH LINE STA 278'WB+00

273'WB'
274'WB'
275'WB'
276'WB'
277'WB'

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-04

PLOT DATE : 8/1/2016 8:45 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

MATCH LINE STA 278'WB'+00

279'WB'

280'WB'

281'WB'

282'WB'

283'WB'

284

MATCH LINE STA 284'WB'+00

CTH TT
MERRILL HILLS RD

USH 18
SUMMIT AVE

TYPE C
TYPE D

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-05
PLOT DATE : 8/1/2016 8:45 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

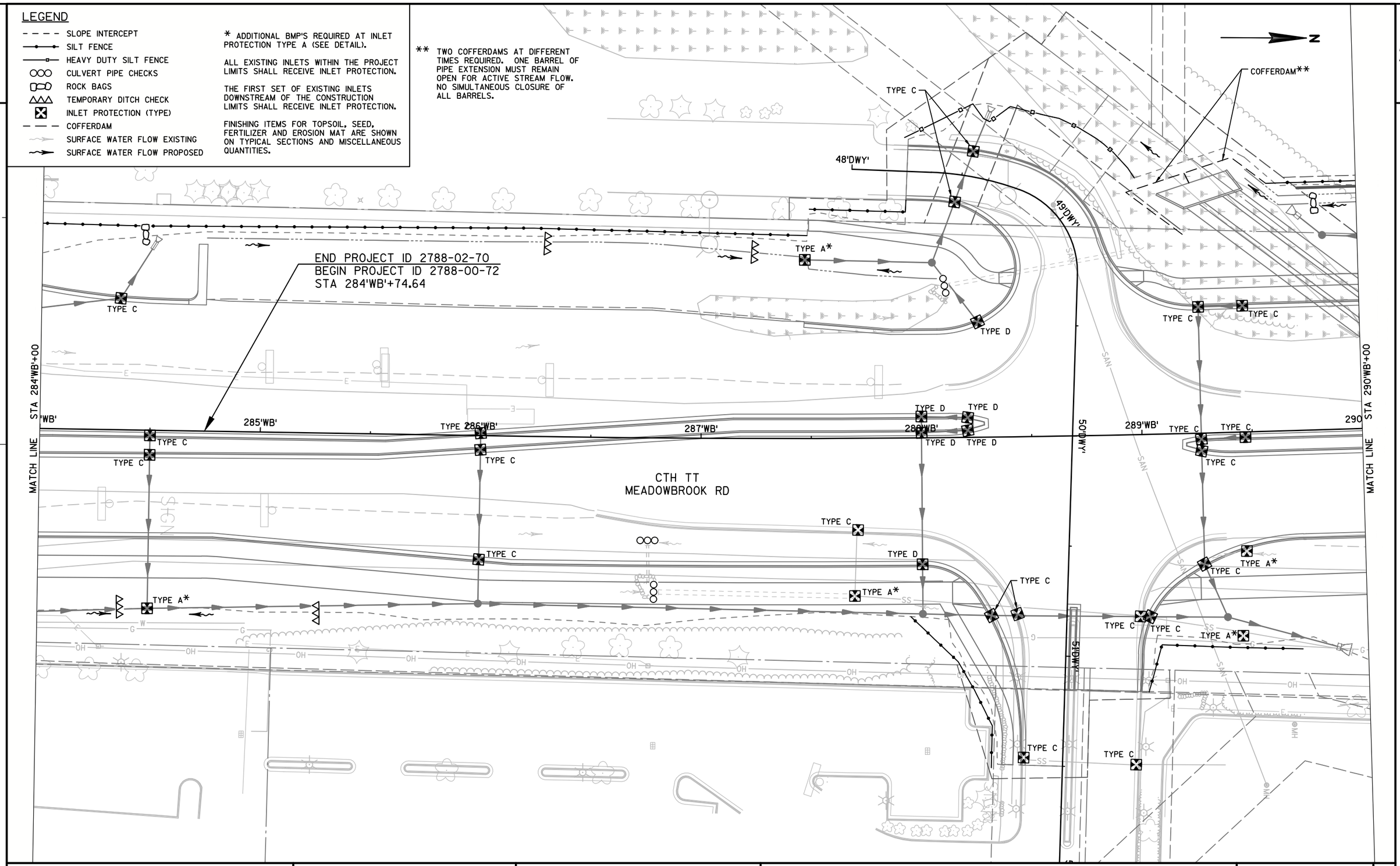
* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

** TWO COFFERDAMS AT DIFFERENT TIMES REQUIRED. ONE BARREL OF PIPE EXTENSION MUST REMAIN OPEN FOR ACTIVE STREAM FLOW. NO SIMULTANEOUS CLOSURE OF ALL BARRELS.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-06
PLOT DATE : 8/1/2016 8:45 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

HIGH FLOW RELIEF
(SEE DETAIL)

TYPE A*

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

MATCH LINE STA 290'WB'+00

'WB'

291'WB'

292'WB'

293'WB'

294'WB'

295'WB'

296

MATCH LINE STA 296'WB'+00

CTH TT
MEADOWBROOK RD

COFFERDAM**

** TWO COFFERDAMS AT DIFFERENT TIMES REQUIRED. ONE BARREL OF PIPE EXTENSION MUST REMAIN OPEN FOR ACTIVE STREAM FLOW. NO SIMULTANEOUS CLOSURE OF ALL BARRELS.

PRIVATE STORMWATER POND

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-07

PLOT DATE : 8/1/2016 8:46 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PRIVATE STORMWATER POND

PRIVATE STORMWATER POND

TYPE A

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

TYPE C

STA 296'WB'+00

'WB'

297'WB'

298'WB'

299'WB'

300'WB'

301'WB'

302

STA 302'WB'+00

MATCH LINE

MATCH LINE

CTH TT
MEADOWBROOK RD

POST

POST

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-08

PLOT DATE : 8/1/2016 8:46 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

COLDWATER CREEK DR

TYPE D

TYPE C

TYPE A*

STA 302'WB+00

303'WB'

304'WB'

305'WB'

306'WB'

307'WB'

STA 308'WB+00

MATCH LINE

CTH TT
MEADOWBROOK RD

2

LEGEND

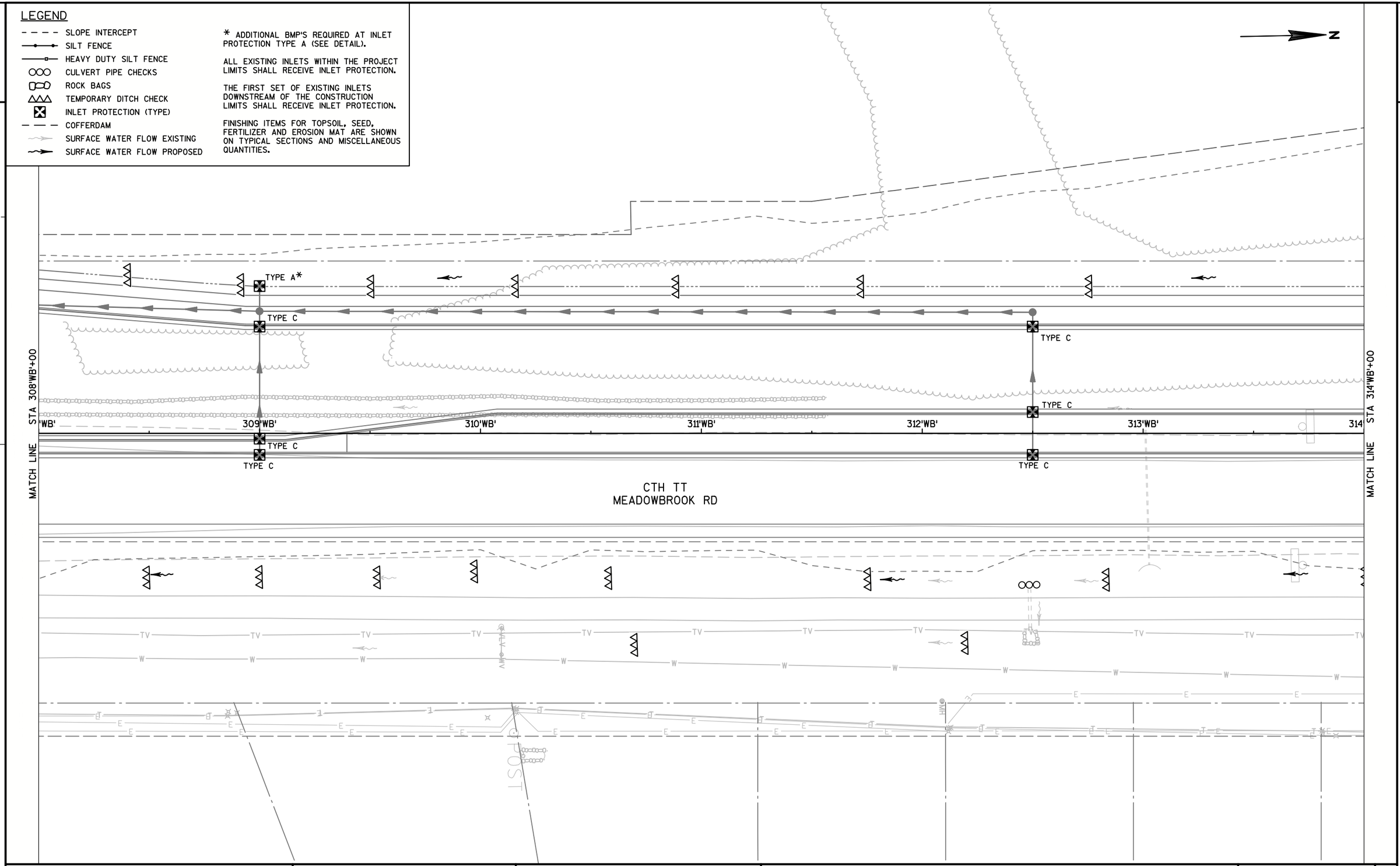
- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-10

PLOT DATE : 8/1/2016 8:46 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

MATCH LINE STA 314'WB'+00

MATCH LINE STA 320'WB'+00

315'WB'

316'WB'

317'WB'

318'WB'

319'WB'

320

TYPE C

TYPE C

TYPE C

CTH TT
MEADOWBROOK RD

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-11

PLOT DATE : 8/1/2016 8:47 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

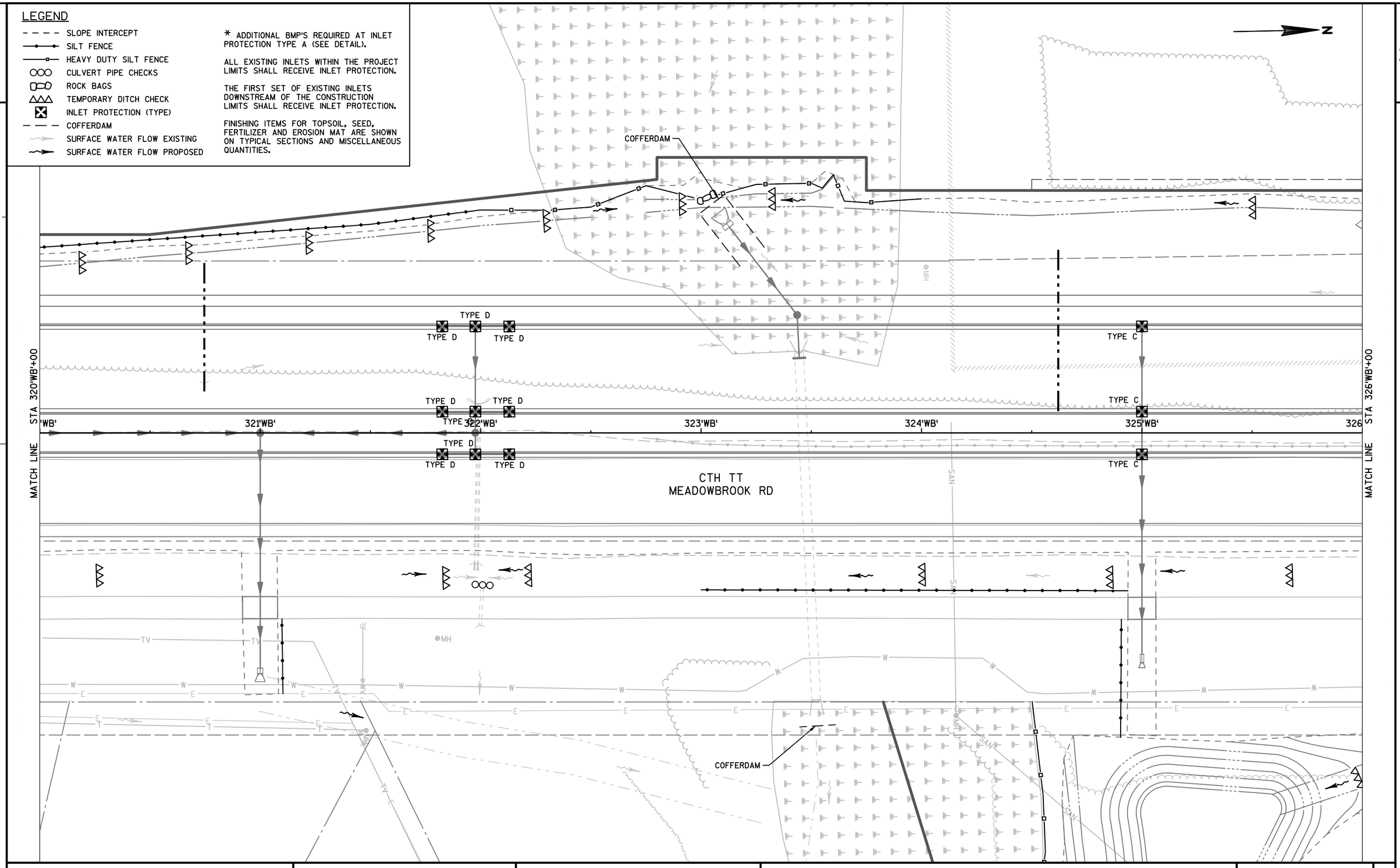
- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-12

PLOT DATE : 8/1/2016 8:47 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

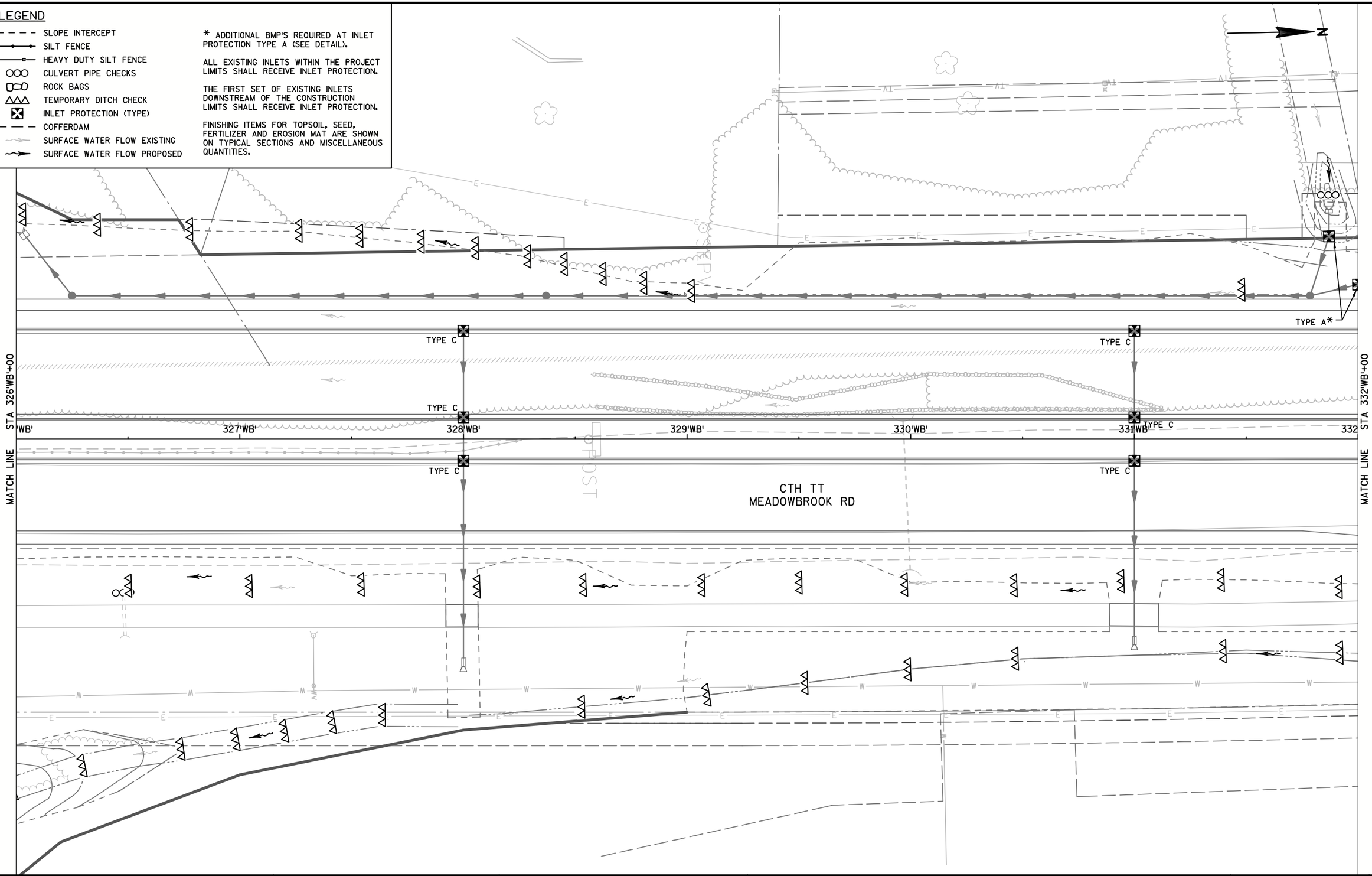
- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-13
PLOT DATE : 8/1/2016 8:47 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

TYPE A*

TYPE C

STA 332'WB'+00

MATCH LINE

'WB'

333'WB'

334'WB'

335'WB'

336'WB'

337'WB'

338

STA 338'WB'+00

CTH TT
MEADOWBROOK RD

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-14
PLOT DATE : 8/1/2016 8:48 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

END PROJECT ID 2788-00-72
BEGIN CITY OF WAUKESHA PROJECT (BY OTHERS)
STA 342'WB'+31.74

MATCH LINE STA 338'WB'+00

339'WB' 340'WB' 341'WB' 342'WB' 343'WB' 344'WB'

NORTHVIEW RD

SUNV

49'NV

CTH TT
MEADOWBROOK RD

CTH TT
MEADOWBROOK RD

TYPE C
TYPE C
TYPE C
TYPE C
TYPE C
TYPE C
TYPE C
TYPE D
TYPE D

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

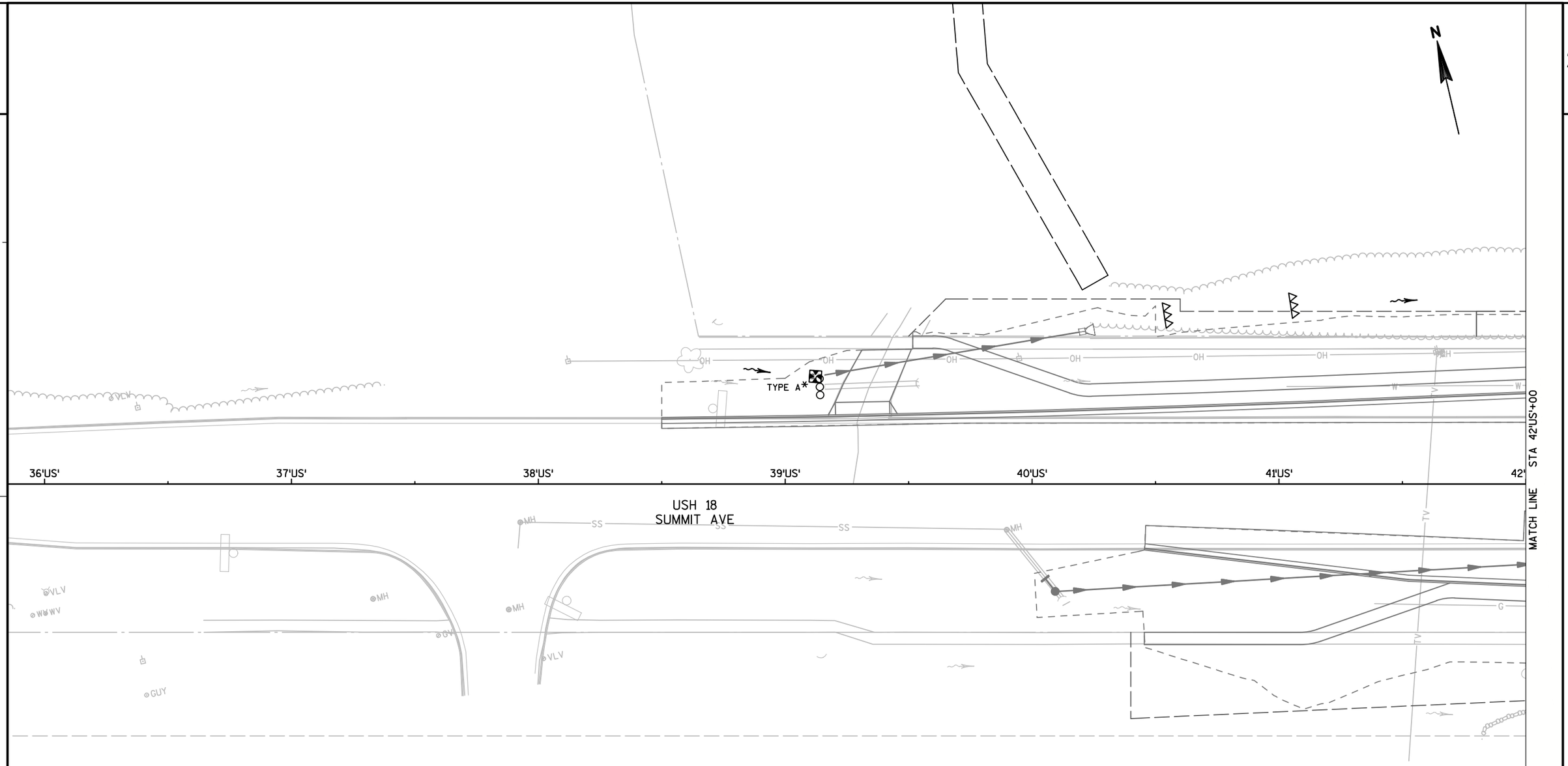
FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022001-ECT.DWG
LAYOUT NAME - 27880072_022001-ECT - SHEET-15

PLOT DATE : 8/1/2016 8:48 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

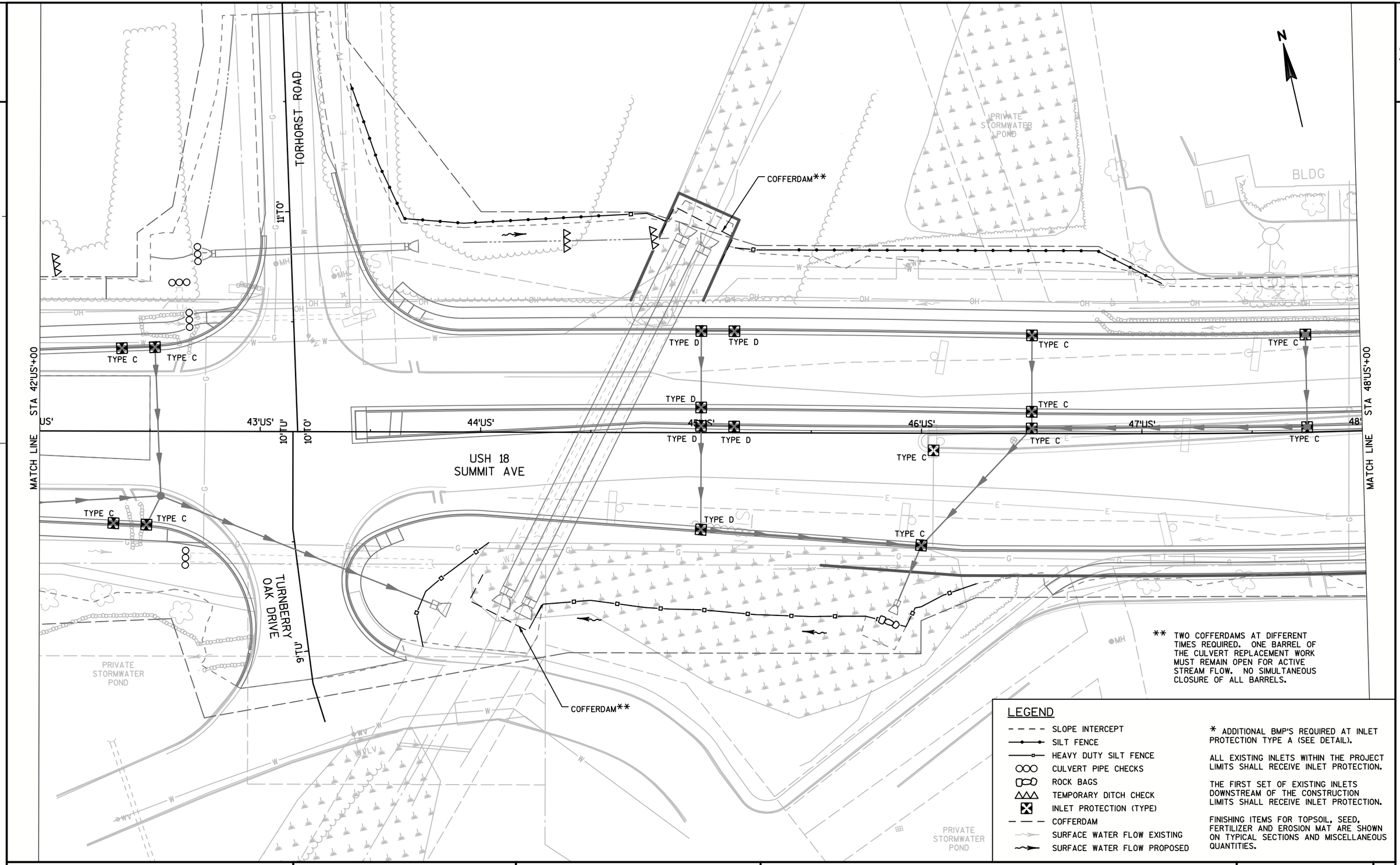
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-01

PLOT DATE : 8/1/2016 8:49 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



** TWO COFFERDAMS AT DIFFERENT TIMES REQUIRED. ONE BARREL OF THE CULVERT REPLACEMENT WORK MUST REMAIN OPEN FOR ACTIVE STREAM FLOW. NO SIMULTANEOUS CLOSURE OF ALL BARRELS.

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-02
PLOT DATE : 8/1/2016 8:49 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

CTH TT
MEADOWBROOK RD

284'WB'

283'WB'

282'WB'

281'WB'

CTH TT
MERRILL HILLS RD

USH 18
SUMMIT AVE

STA 48'US'+00

STA 54'US'+00

MATCH LINE

MATCH LINE

48'US'

49'US'

50'US'

51'US'

52'US'

53'US'

54'US'

TYPE A*

TYPE C

TYPE D

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-03

PLOT DATE : 8/1/2016 8:50 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

TYPE A*

TYPE C

USH 18
SUMMIT AVE

MATCH LINE STA 54'US'+00

MATCH LINE STA 60'US'+00

55'US'

56'US'

57'US'

58'US'

59'US'

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-04

PLOT DATE : 8/1/2016 8:50 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

STA 60'US'+00

61'US'

62'US'

63'US'

64'US'

65'US'

66'US'

USH 18
SUMMIT AVE

MATCH LINE

TYPE C

SIGN

SIGN

SWV

WV

10

9

8

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-05

PLOT DATE : 8/1/2016 8:50 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

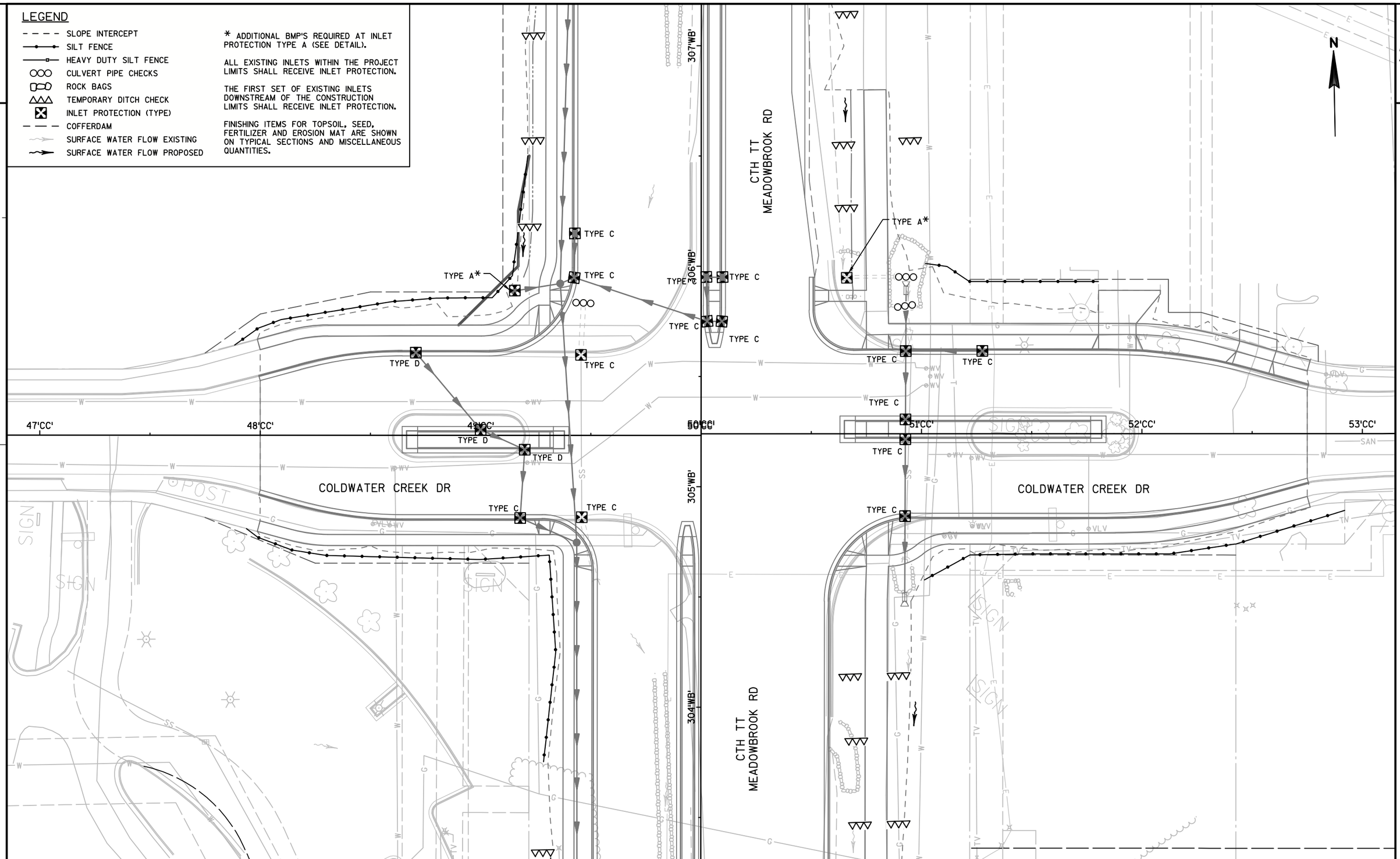
- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: COLDWATER CREEK DRIVE	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-06

PLOT DATE : 8/1/2016 8:51 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

WELL

GUY

42'NV'

43'NV'

NORTHVIEW RD

44'NV'

45'NV'

46'NV'

47'

STA 47'NV'+00

MATCH LINE

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

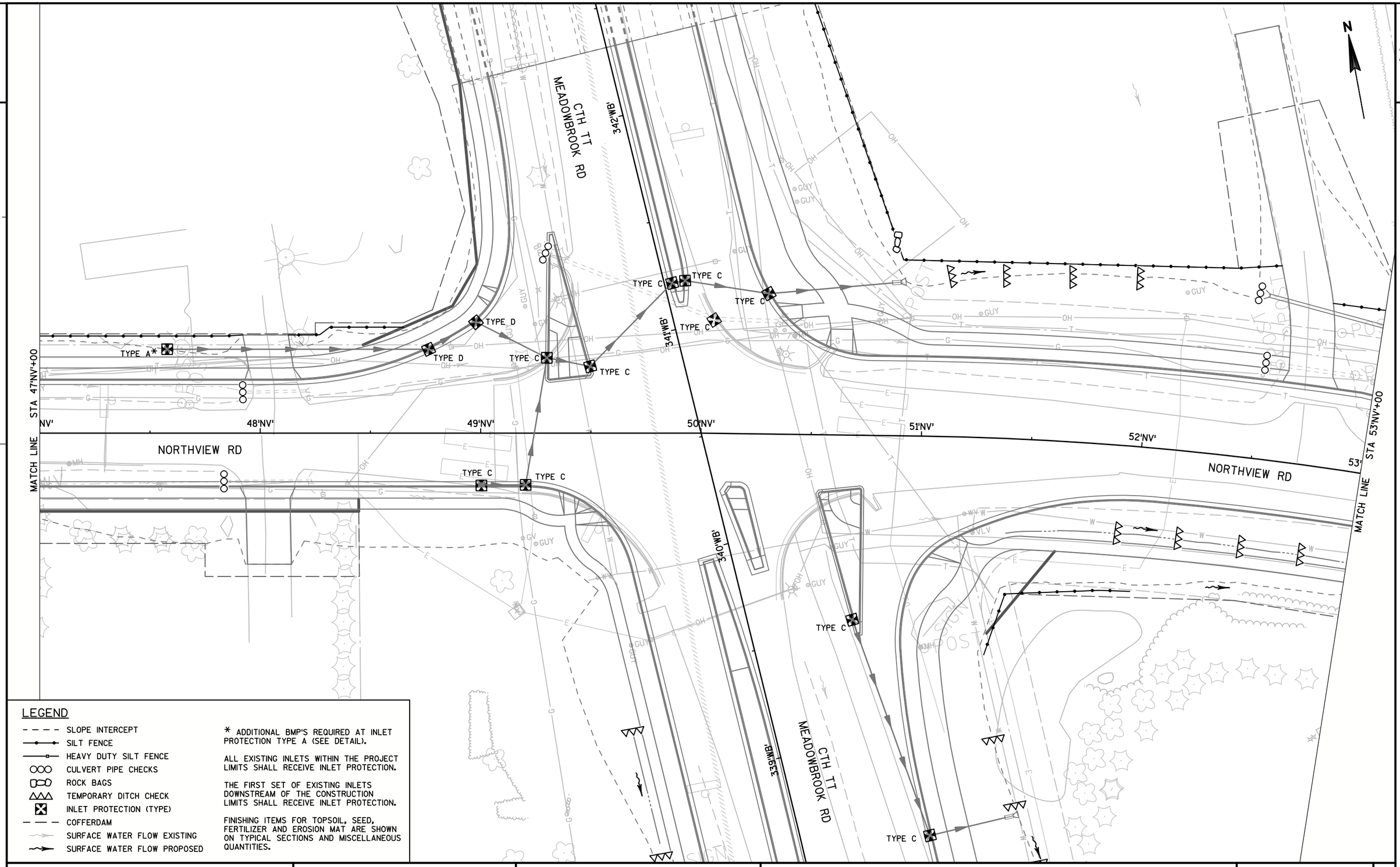
THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-07
PLOT DATE : 8/1/2016 8:51 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-08
PLOT DATE : 8/1/2016 8:51 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

MATCH LINE STA 53'NV'+00

53'NV'

54'NV'

55'NV'

56'NV'

57'NV'

58'NV'

59'NV'

NORTHVIEW RD

TYPE C

TYPE A*

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-09

PLOT DATE : 8/1/2016 8:51 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- SLOPE INTERCEPT
- SILT FENCE
- HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECKS
- ROCK BAGS
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE)
- COFFERDAM
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

* ADDITIONAL BMP'S REQUIRED AT INLET PROTECTION TYPE A (SEE DETAIL).

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

327'WB'

326'WB'

325'WB'

324'WB'

TYPE C

TYPE C

TYPE C

EMERGENCY SPILLWAY (SEE DETAIL)

SAN

SAN

SAN

OHP

OMP

OMP

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TEMPORARY EROSION CONTROL PLAN: DRY POND '324'	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022002-ECT.DWG
LAYOUT NAME - 27880072_022002-ECT - SHEET-10

PLOT DATE : 8/1/2016 8:52 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

BEGIN CONSTRUCTION
STA 264'WB'+65.71

CTH TT
MERRILL HILLS RD

KISDON HILL DR

260'WB' 261'WB' 262'WB' 263'WB' 264'WB' 265'WB' 266

STA 266'WB'+00

MATCH LINE

50 51

2 2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-02

PLOT DATE : 8/1/2016 8:53 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

PRIVATE STORMWATER POND

ABANDONED PER

STA 266'WB+00

STA 272'WB+00

CTH TT
MERRILL HILLS RD

266'WB' 267'WB' 268'WB' 269'WB' 270'WB' 271'WB' 272

MATCH LINE

MATCH LINE

HSE

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-03

PLOT DATE : 8/1/2016 8:53 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

BEGIN PROJECT ID 2788-02-70
STA 273'WB'+75.00

FIDDLERS CREEK DR

PRIVATE UNDERGROUND DETENTION PIPES

PRIVATE STORMWATER POND

CTH TT
MERRILL HILLS RD

49FC

50FC

51FC

52FC

52FC

STA 272'WB+00

273'WB'

274'WB'

275'WB'

276'WB'

277'WB'

STA 278'WB+00

MATCH LINE

MATCH LINE

N

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-04
PLOT DATE : 8/1/2016 8:53 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STA 278'WB'+00

279'WB'

280'WB'

281'WB'

282'WB'

283'WB'

284

STA 284'WB'+00

MATCH LINE

MATCH LINE

CTH TT
MERRILL HILLS RD

USH 18
SUMMIT AVE

USH 18
SUMMIT AVE

ST

NON-STANDARD
8' WIDE X 14' LONG

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-05

PLOT DATE : 8/1/2016 8:54 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

END PROJECT ID 2788-02-70
BEGIN PROJECT ID 2788-00-72
STA 284'WB'+74.64

RIPRAP HEAVY

48'DWY'

49'DWY'

ST

STA 284'WB'+00

MATCH LINE

285'WB'

286'WB'

287'WB'

288'WB'

289'WB'

290

STA 290'WB'+00

MATCH LINE

50'DWY'

51'DWY'

CTH TT
MEADOWBROOK RD

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-06
PLOT DATE : 8/1/2016 8:54 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

RIPRAP LIMITS

HIGH FLOW RELIEF (SEE DETAIL)

TRAPEZOIDAL TREATMENT SWALE

MATCH LINE STA 290'WB'+00

MATCH LINE STA 296'WB'+00

291'WB'

292'WB'

293'WB'

294'WB'

295'WB'

CTH TT
MEADOWBROOK RD

PRIVATE STORMWATER POND

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

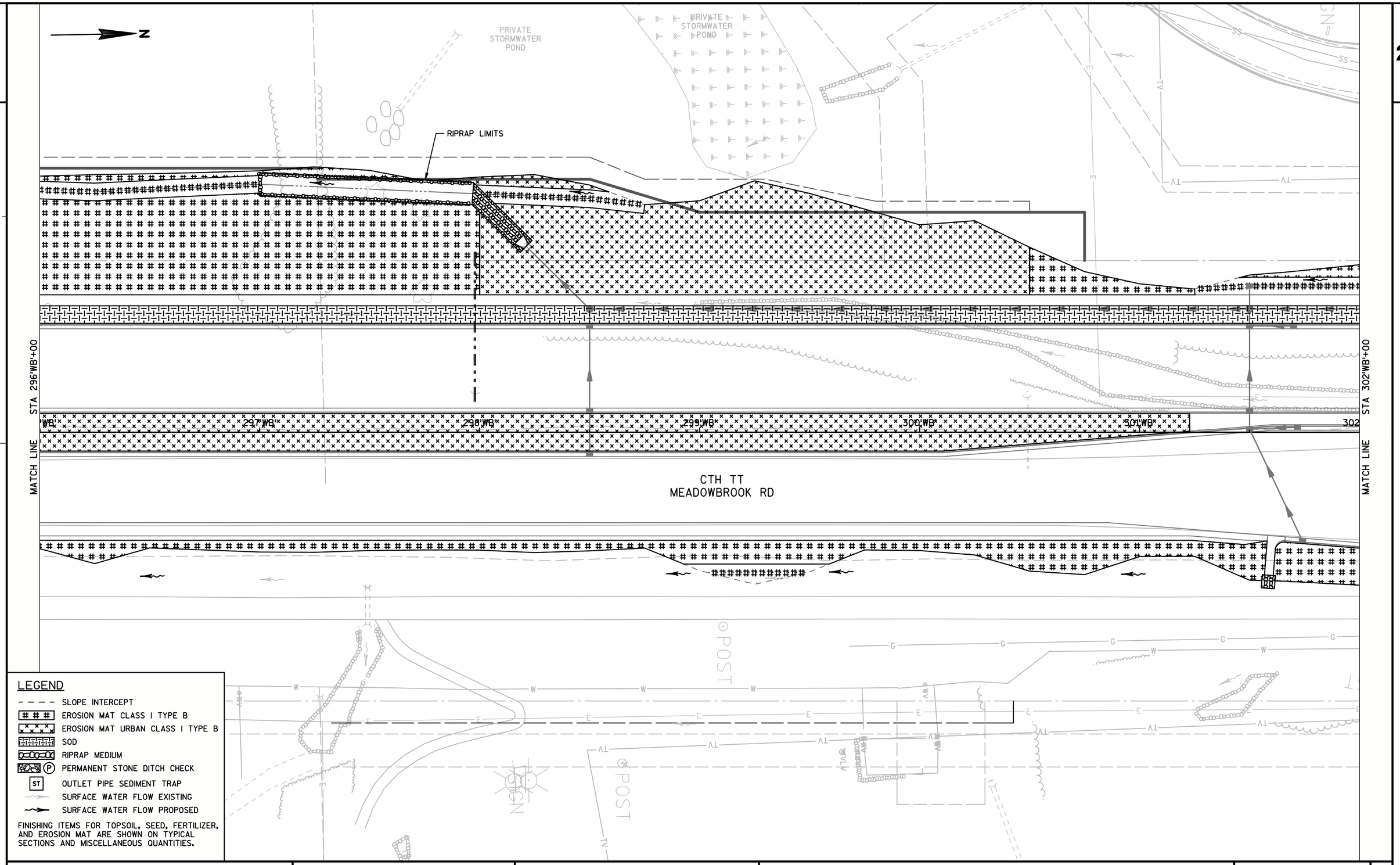
FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-07

PLOT DATE : 8/1/2016 8:54 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

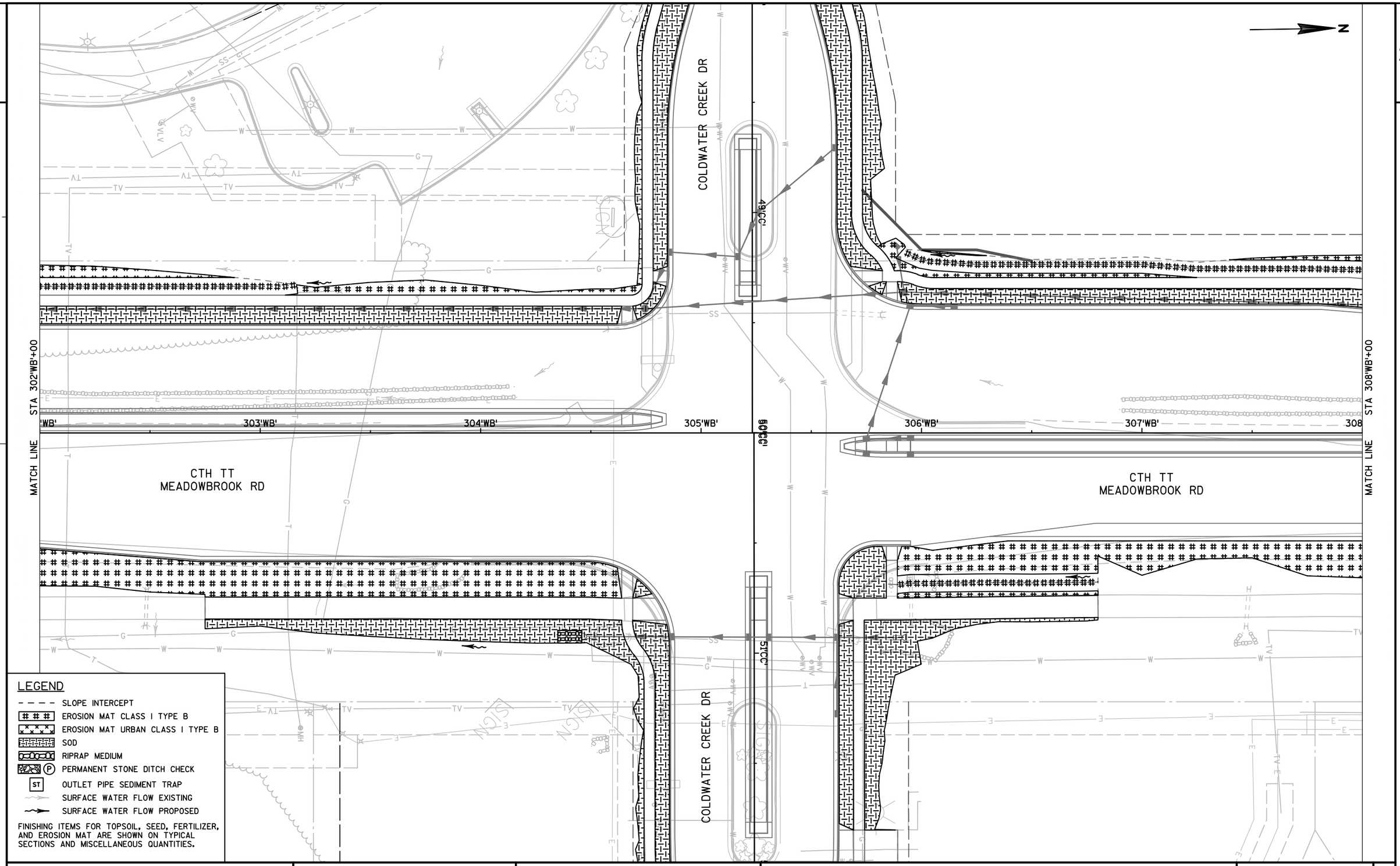
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-08
PLOT DATE : 8/1/2016 8:55 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-09
PLOT DATE : 8/1/2016 8:55 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

STA 308'WB'+00

STA 314'WB'+00

MATCH LINE

MATCH LINE

309'WB'

310'WB'

311'WB'

312'WB'

313'WB'

CTH TT
MEADOWBROOK RD

N

TV

W

E

SD

MH

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-10

PLOT DATE : 8/1/2016 8:55 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE STA 314+00 WB

MATCH LINE STA 320+00 WB

315 WB 316 WB 317 WB 318 WB 319 WB 320

CTH TT
MEADOWBROOK RD

TV TV TV TV TV TV TV TV TV TV TV TV TV

W W W W W W W W W W W

E E E E E E E E E E E

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-11

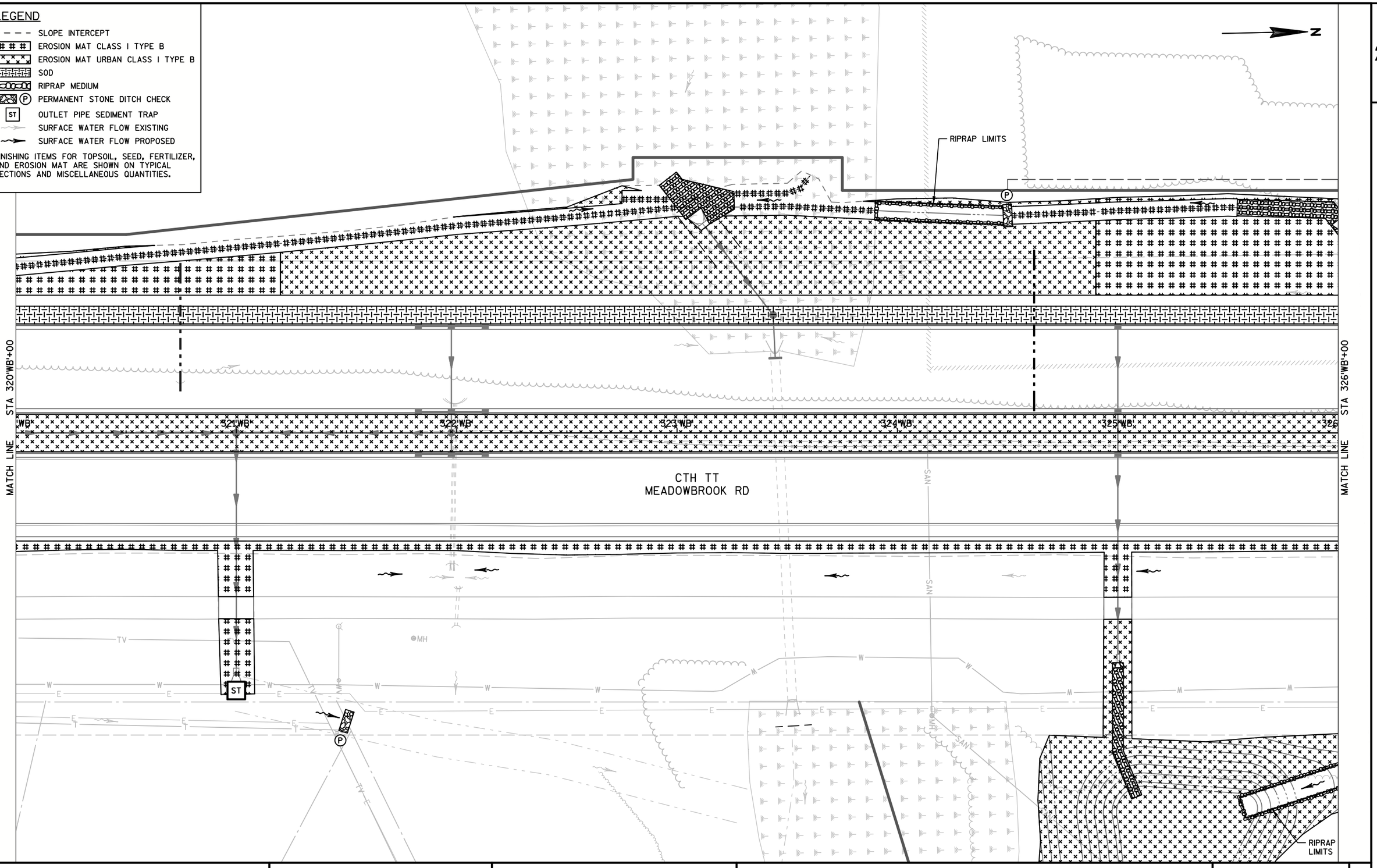
PLOT DATE : 8/1/2016 8:55 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-12

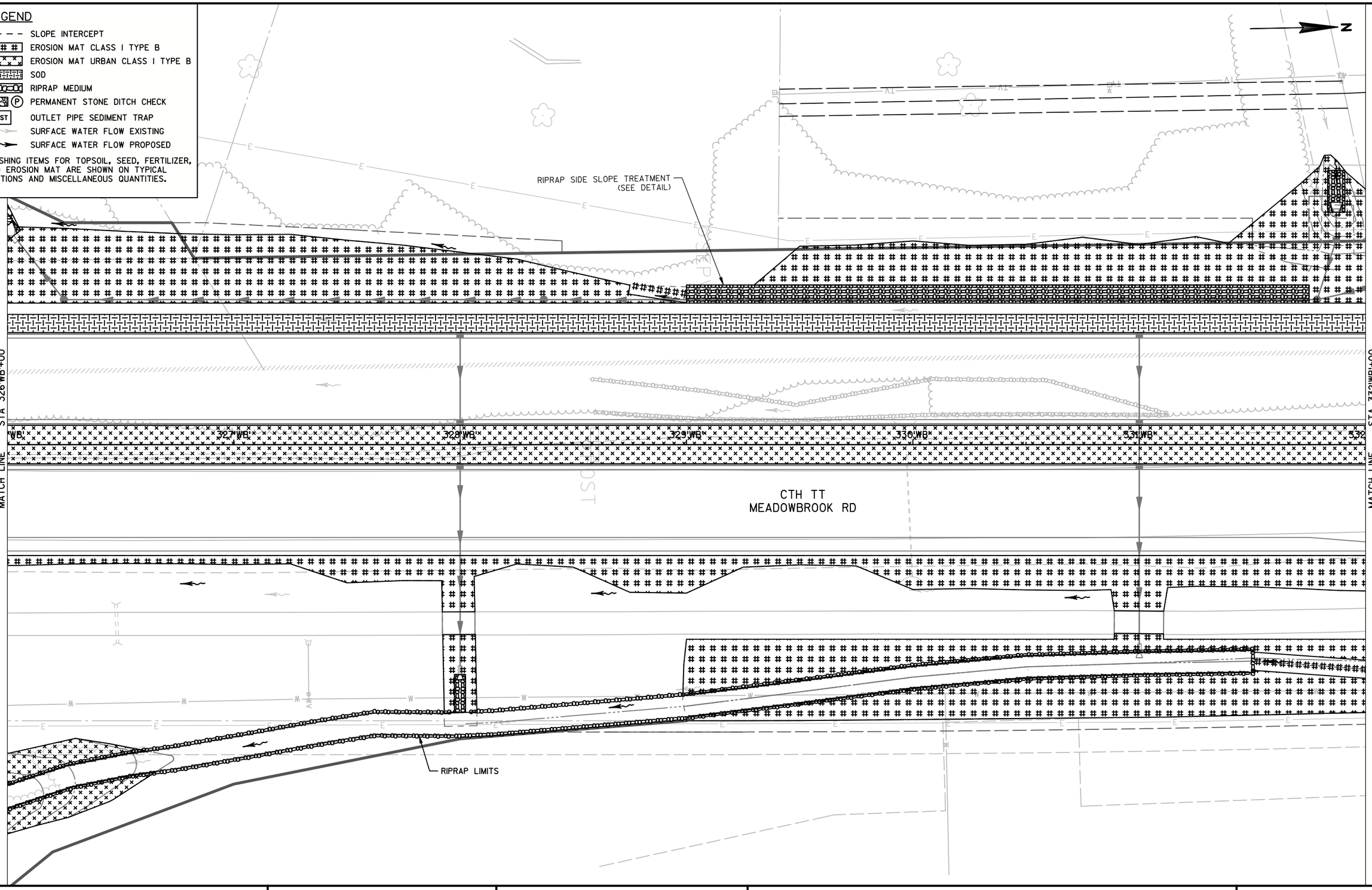
PLOT DATE : 8/1/2016 8:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.



2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-13

PLOT DATE : 8/1/2016 8:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

STA 332+00

MATCH LINE

332'WB'

333'WB'

334'WB'

335'WB'

336'WB'

337'WB'

338'WB'

STA 338+00

MATCH LINE

CTH TT
MEADOWBROOK RD

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-14

PLOT DATE : 8/1/2016 8:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

END PROJECT ID 2788-00-72
STA 342'WB'+31.74

NORTHVIEW RD

49'NW

50'NW

51'NW

MATCH LINE STA 338'WB+00

338'WB'

339'WB'

340'WB'

341'WB'

342'WB'

343'WB'

344'WB'

CTH TT
MEADOWBROOK RD

CTH TT
MEADOWBROOK RD

NORTHVIEW RD

GUY

HO

TV

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

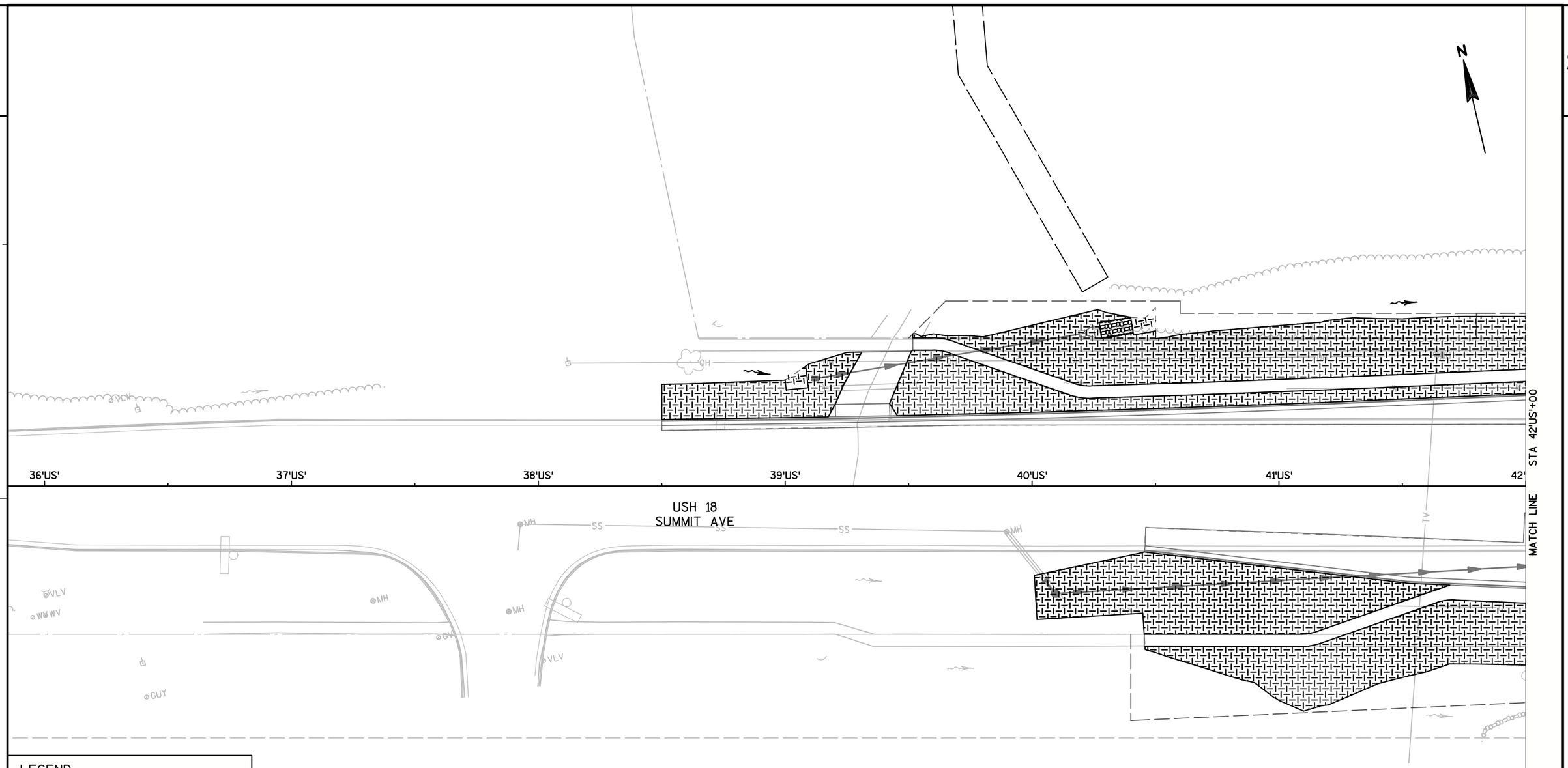
FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022101-ECP.DWG
LAYOUT NAME - 27880072_022101-ECP - SHEET-15

PLOT DATE : 8/1/2016 8:57 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-01
PLOT DATE : 8/1/2016 8:58 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

TORHORST ROAD

11'TU'

10'TU'

10'TO'

STA 42'US'+00

MATCH LINE

STA 48'US'+00

MATCH LINE

43'US'

44'US'

45'US'

46'US'

47'US'

48'

USH 18
SUMMIT AVE

TURNBERRY
OAK DRIVE

9'TU'

PRIVATE
STORMWATER
POND

BLDG

FIELD STONE
RIPRAP HEAVY
(SEE DETAIL)

FIELD STONE
RIPRAP MEDIUM

FIELD STONE
RIPRAP MEDIUM
TREATMENT

FIELD STONE
RIPRAP HEAVY
(SEE DETAIL)

FIELD STONE
RIPRAP MEDIUM
TREATMENT

PRIVATE
STORMWATER
POND

PRIVATE
STORMWATER
POND

N

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-02

PLOT DATE : 8/1/2016 8:58 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

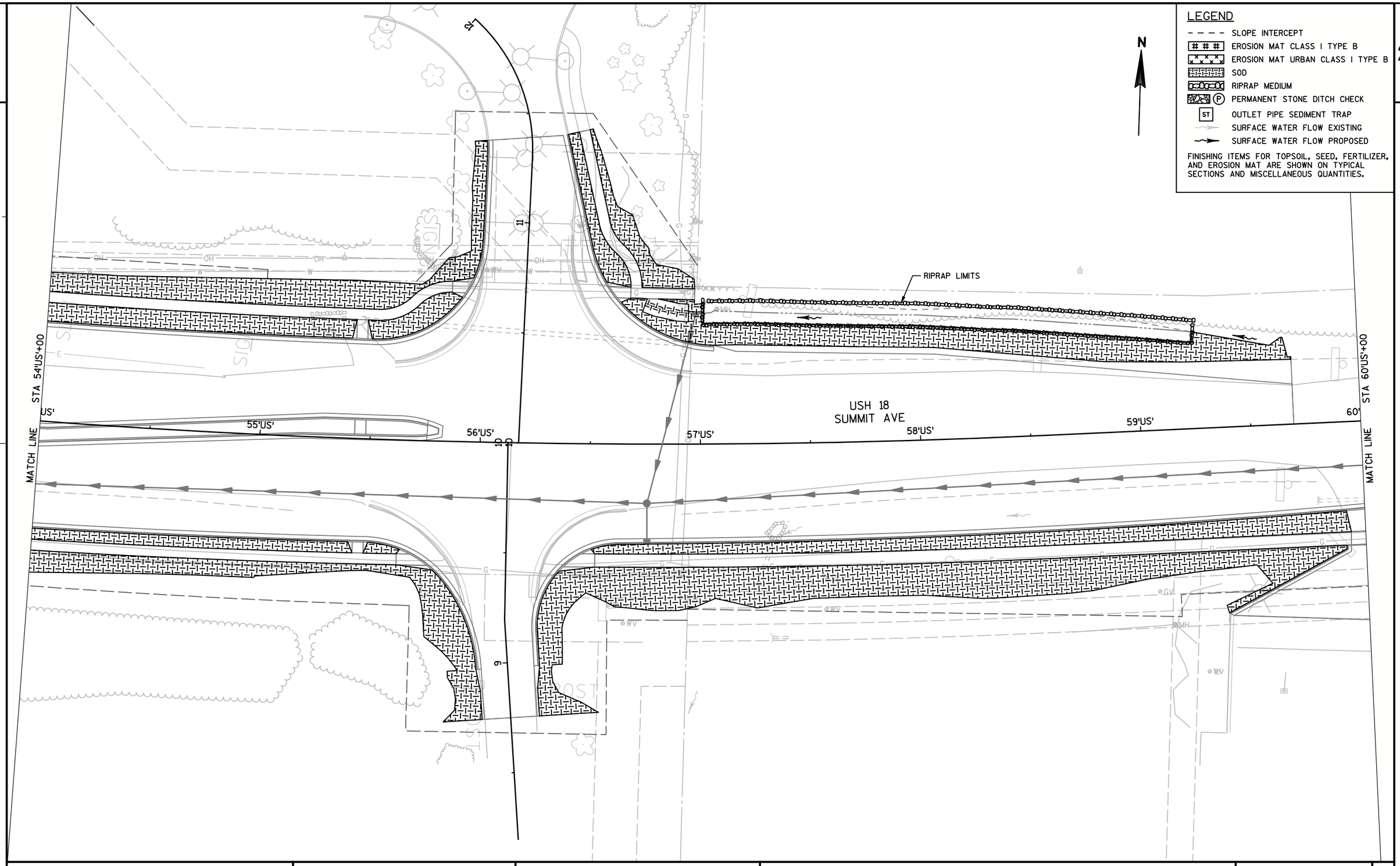
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-03
PLOT DATE : 8/1/2016 8:59 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-04

PLOT DATE : 8/1/2016 8:59 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STA 60'US'+00

61'US'

62'US'

63'US'

64'US'

65'US'

66'US'

USH 18
SUMMIT AVE

MATCH LINE

10

9

SIGN

SIGN

WV

WV

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-05

PLOT DATE : 8/1/2016 8:59 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

WELL

GUY

NORTHVIEW RD

42'NV'

43'NV'

44'NV'

45'NV'

46'NV'

47'

STA 47'NV'+00

MATCH LINE

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

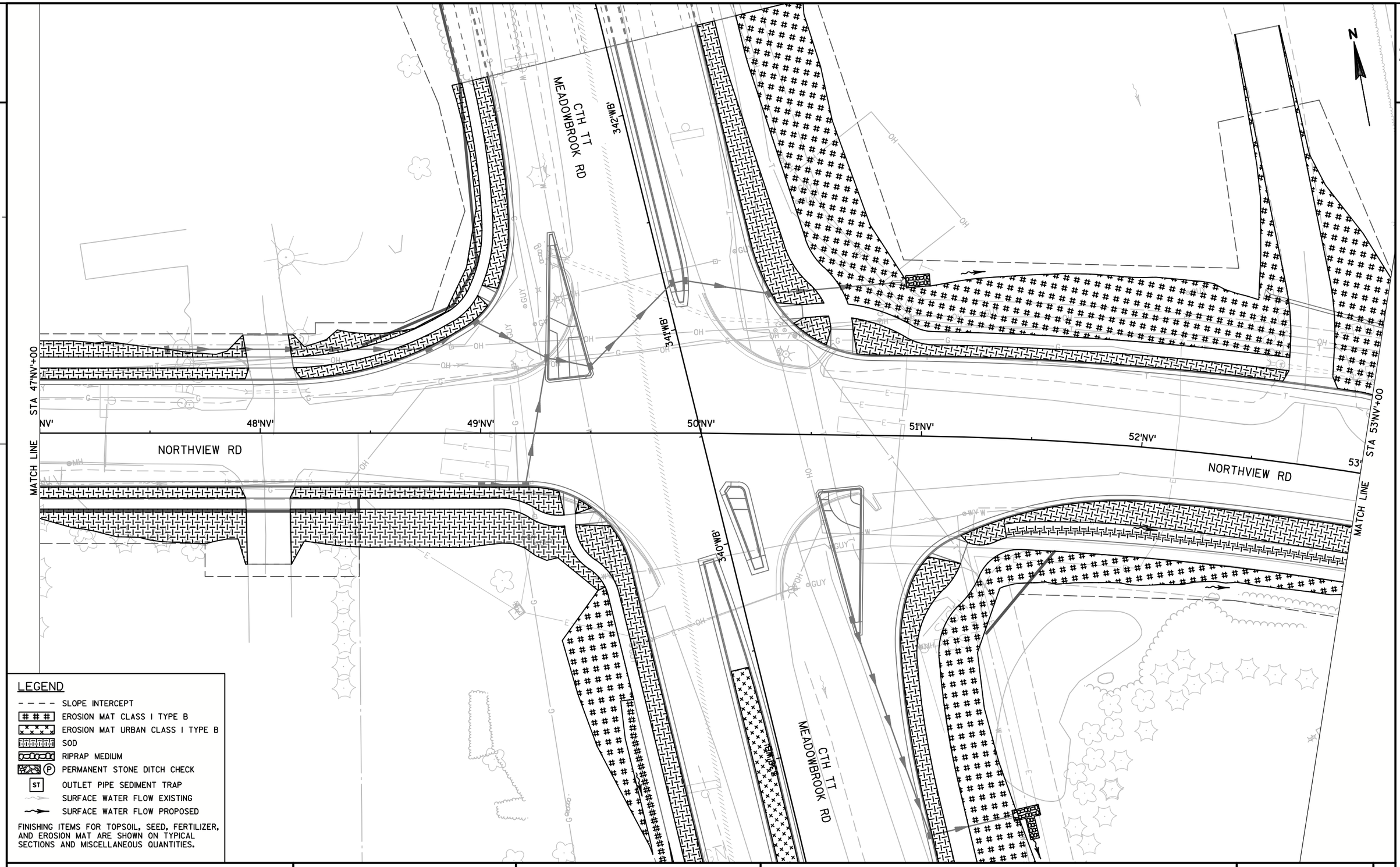
FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-06

PLOT DATE : 8/1/2016 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-07

PLOT DATE : 8/1/2016 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SOD
- RIPRAP MEDIUM
- (P) PERMANENT STONE DITCH CHECK
- ST OUTLET PIPE SEDIMENT TRAP
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS AND MISCELLANEOUS QUANTITIES.

N

STA 53'NV'+00

MATCH LINE

54'NV'

55'NV'

56'NV'

57'NV'

58'NV'

59'NV'

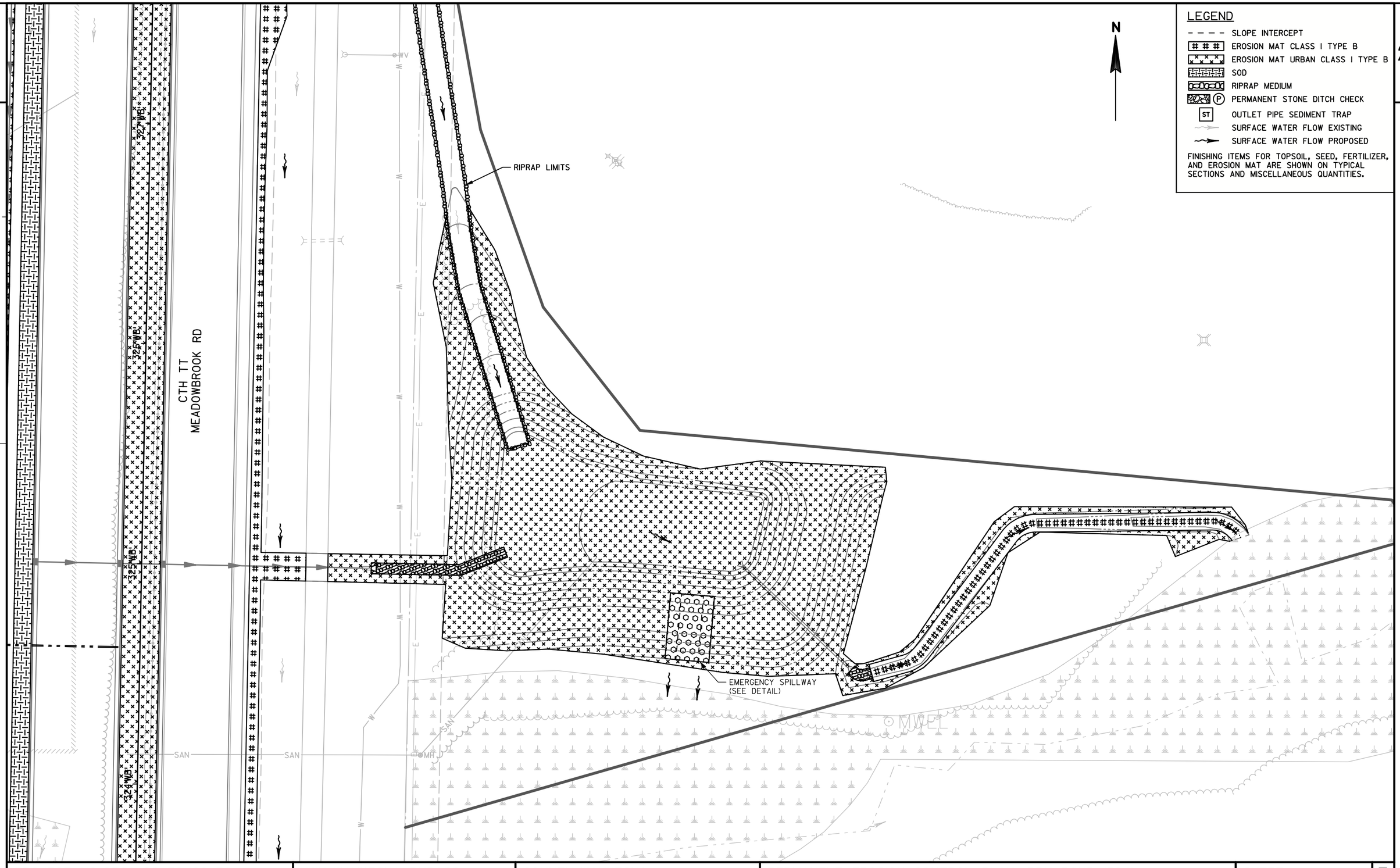
NORTHVIEW RD

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-08

PLOT DATE : 8/1/2016 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT EROSION CONTROL PLAN: DRY POND '324'	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022102-ECP.DWG
LAYOUT NAME - 27880072_022102-ECP - SHEET-09
PLOT DATE : 8/1/2016 9:01 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STORM SEWER NOTES

1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES, THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.

2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.

3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.

4. STORM SEWER PROFILE VIEWS SHOW EXISTING AND PROPOSED GROUND SURFACES FOR REFERENCE PURPOSES ONLY. PROPOSED GROUND SURFACES MAY NOT ACCURATELY ILLUSTRATE THE FINISHED CONDITION DUE TO THE AUTOMATED PROJECTION OF MULTIPLE DTM'S.

5. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES PRIOR TO ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLANS PRIOR TO INSTALLING THE PROPOSED STORM SEWER.

6. UTILITY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE, LOCATIONS SHOWN ARE TAKEN FROM FIELD SURVEY AND FROM BEST INFORMATION AVAILABLE FROM EXISTING PLANS. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES, AND OMISSIONS IN THE LOCATION AND QUANTITIES OF UTILITIES AND STRUCTURES SHOWN. VERIFY ALL LOCATIONS IN THE FIELD.

7. SEE STORM SEWER PLANS AND MISCELLANEOUS QUANTITY SHEETS FOR REMOVAL LOCATIONS OF EXISTING DRAINAGE COMPONENTS. REMOVALS MUST BE DONE IN COORDINATION WITH CONSTRUCTION STAGING.

8. PROVIDE TEMPORARY POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PROJECT STAGES.

9. TEMPORARY SHORING METHODS AND/OR MATERIALS, AS DETERMINED BY THE CONTRACTOR, DEEMED NECESSARY TO COMPLETE ALL STAGES AND CONNECTIONS OF STORM SEWER OR PIPE CULVERTS IS CONSIDERED INCIDENTAL TO THE ASSOCIATED BID ITEM WORK BEING PERFORMED. MAINTAIN THE INTEGRITY OF WORK COMPLETED IN PREVIOUS STAGES AND ANY PORTION OF EXISTING ROADWAY CARRYING STAGED TRAFFIC DURING THE PROJECT.

10. SUPPORTING UTILITIES DURING STORM SEWER CONSTRUCTION IS INCIDENTAL TO STORM SEWER PIPE AND/OR STORM SEWER STRUCTURE.

11. WATER MAIN INSULATION AND WATER MAIN ADJUSTMENT INFORMATION PROVIDED BY THE WAUKESHA WATER UTILITY.

    11.1. INSULATION: PROVIDE INSULATION UNDER PROPOSED RIPRAP AT EXISTING WATER MAIN CROSSINGS AS SHOWN ON THE STORM SEWER PLANS. INSULATION SHALL BE CLOSED CELL RIGID POLYSTYRENE INSULATION BOARD, 2-INCH THICK. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

    11.2. WATER MAIN OFFSETS: WATER MAIN WILL NEED OFFSET (LOWERED) AND INSULATED AT APPROXIMATE LOCATIONS SHOWN ON THE STORM SEWER PLANS. FIELD VERIFY AND CONFIRM CONFLICT EXISTS WITH WAUKESHA WATER UTILITY BEFORE RELOCATING. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

STORM SEWER LEGEND

- (XXX.X) STRUCTURE NUMBER
- STORM SEWER ENDWALL
- STORM SEWER MANHOLE
- STORM SEWER INLET
- SURFACE WATER FLOW (EXISTING)
- SURFACE WATER FLOW (PROPOSED)

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER NOTES	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\2788072\SHEETSPLAN\27880072_022500-SS.DWG
LAYOUT NAME - 27880072_022500-SS - SHEET-01
PLOT DATE : 8/1/2016 8:26 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1:1
WISDOT/CADDS SHEET 42

2

N

CAS ABANDONED PER PLAN

CULVERT TO REMAIN

266'WB' 267'WB' 268'WB' CTH TT MERRILL HILLS RD 269'WB' 270'WB' 271'WB' 272

STA 272WB+00

MATCH LINE

REMOVE CULVERTS

1180 1190 1200 1210

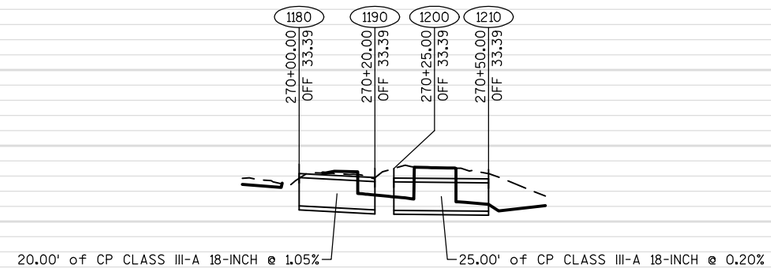
HSE

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-03-A

PLOT DATE : 8/1/2016 8:26 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



1180	1190	1200	1210
INV: 856.82	INV: 856.61	INV: 856.59	INV: 856.54

872 868 864 860 856 852 848 844 840 836

872 868 864 860 856 852 848 844 840 836

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-03-B
PLOT DATE : 8/1/2016 8:27 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

FIDDLERS CREEK DR

PRIVATE UNDERGROUND DETENTION

PRIVATE STORMWATER POND

CONCRETE COLLAR

STA 274'WB'+70, 100' LT
8" WM OFFSET

CLEAN AND PROTECET
EXISTING PIPE END

REMOVE SS

REMOVE CB & SS

REMOVE SS

REMOVE MH & SS

REMOVE CB & SS

STA 274'WB'+50, 70' LT
16" WM OFFSET

CTH TT
MERRILL HILLS RD

STA 272'WB'+00

STA 278'WB'+00

MATCH LINE

MATCH LINE

273'WB'

274'WB'

275'WB'

276'WB'

277'WB'

COVER PLATE REQ'D
NO INLET CASTING NEEDED

BEGIN PROJECT ID 2788-02-70
STA 273'WB'+75.00

COVER PLATE REQ'D
NO INLET CASTING NEEDED

REMOVE CULVERTS

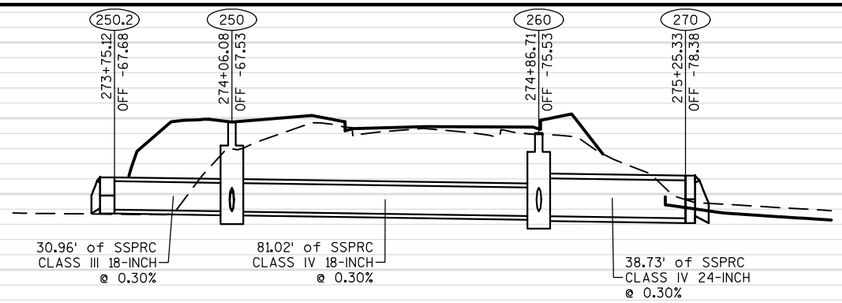
CPRCHE CLASS HE-IV 19x30-INCH

CPRCHE CLASS HE-IV 19x30-INCH

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-04-A

PLOT DATE : 8/1/2016 8:27 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

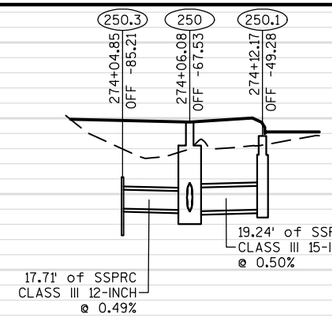


250.2
INV: 855.17

250
RIM: 859.80
SUMP: 855.08
TOTAL DEPTH: 4.72
W INV IN: 855.14
E INV IN: 855.08
S INV IN: 855.08
N INV OUT: 855.08

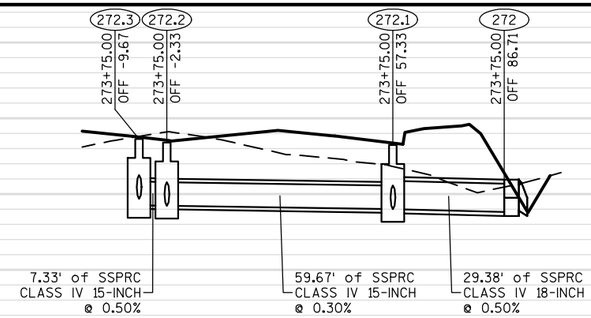
260
RIM: 859.23
SUMP: 854.84
TOTAL DEPTH: 4.39
S INV IN: 854.84
W INV IN: 855.08
N INV OUT: 854.84

270
INV: 854.72



250.3
INV: 855.23

250.1
RIM: 859.07
SUMP: 855.18
TOTAL DEPTH: 3.89
W INV OUT: 855.18

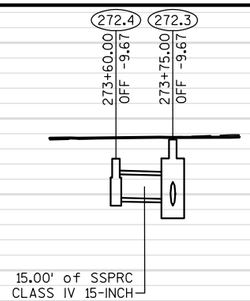


272.3
RIM: 858.90
SUMP: 855.41
TOTAL DEPTH: 3.48
S INV IN: 855.75
E INV OUT: 855.41

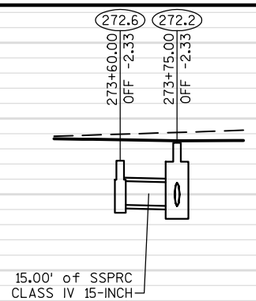
272.2
RIM: 858.72
SUMP: 855.38
TOTAL DEPTH: 3.35
W INV IN: 855.38
S INV IN: 855.38
E INV OUT: 855.38

272.1
RIM: 858.58
SUMP: 855.20
TOTAL DEPTH: 3.38
W INV IN: 855.20
S INV IN: 855.20
E INV OUT: 855.20

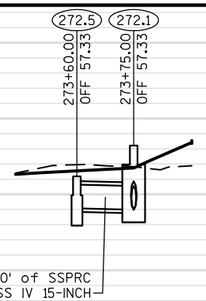
272
INV: 855.05



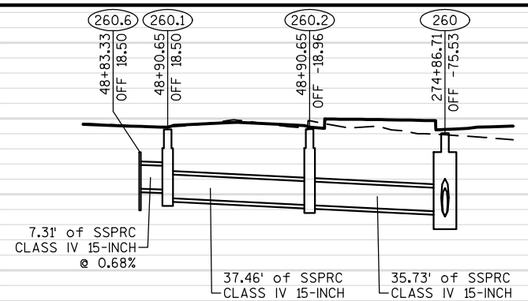
272.4
RIM: 857.88
SUMP: 855.82
TOTAL DEPTH: 2.06
N INV OUT: 855.82



272.6
RIM: 857.78
SUMP: 855.45
TOTAL DEPTH: 2.33
N INV OUT: 855.45



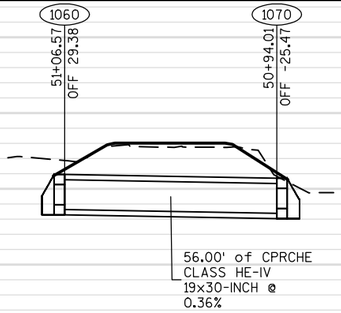
272.5
RIM: 856.96
SUMP: 854.77
TOTAL DEPTH: 2.19
N INV OUT: 855.27



260.6
INV: 856.30

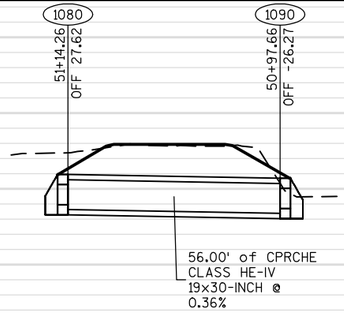
260.1
RIM: 859.44
SUMP: 855.81
TOTAL DEPTH: 3.63
W INV IN: 856.25
N INV OUT: 855.81

260.2
RIM: 859.44
SUMP: 855.43
TOTAL DEPTH: 4.01
S INV IN: 855.43
E INV OUT: 855.43



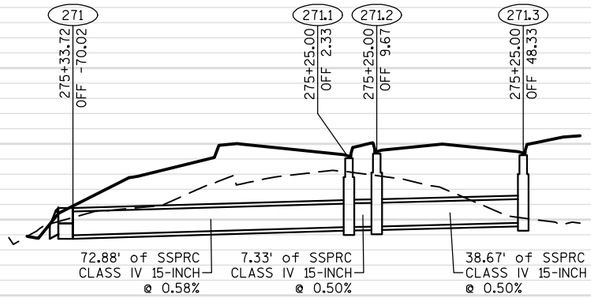
1060
INV: 854.90

1070
INV: 854.70



1080
INV: 854.90

1090
INV: 854.70



271
INV: 855.18

271.1
RIM: 859.24
SUMP: 855.60
TOTAL DEPTH: 3.63
E INV IN: 855.60
W INV OUT: 855.60

271.2
RIM: 859.48
SUMP: 855.64
TOTAL DEPTH: 3.84
E INV IN: 855.64
W INV OUT: 855.64

271.3
RIM: 859.40
SUMP: 855.83
TOTAL DEPTH: 3.56
W INV OUT: 855.83

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-04-B
PLOT DATE : 8/1/2016 8:28 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

INSULATE WM
(4'X8'X2")

ABANDON SEWER
(AFTER STA 279+82
CPRC IS FULLY
INSTALLED)

1000

ST

275

15"SS

275.1

275.3

15"SS

275.4

275.2

STA 278'WB'+00

278'WB'

279'WB'

280'WB'

281'WB'

282'WB'

283'WB'

284

STA 284'WB'+00

MATCH LINE

CTH TT
MERRILL HILLS RD

CPRC CLASS IV 30-INCH

1010

290

290.1

18"SS

290.2

290.3

15"SS

290.4

15"SS

REMOVE
SS

290.5

290.6

15"SS

290.7

15"SS

REMOVE
CB & SS

USH 18
SUMMIT AVE

49US

370.3

370.2

15"

300

15"SS

300.1

300.2

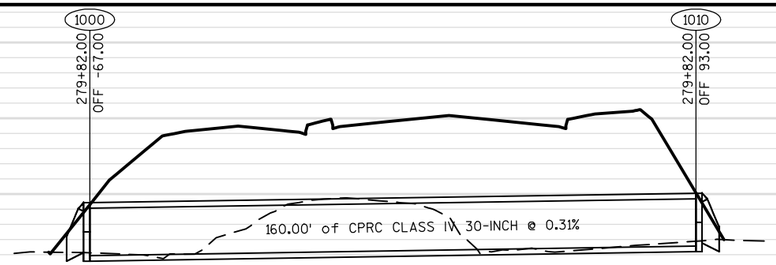
STA 283'WB'+45, 85' RT
12" WM OFFSET

REMOVE
CULVERT

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

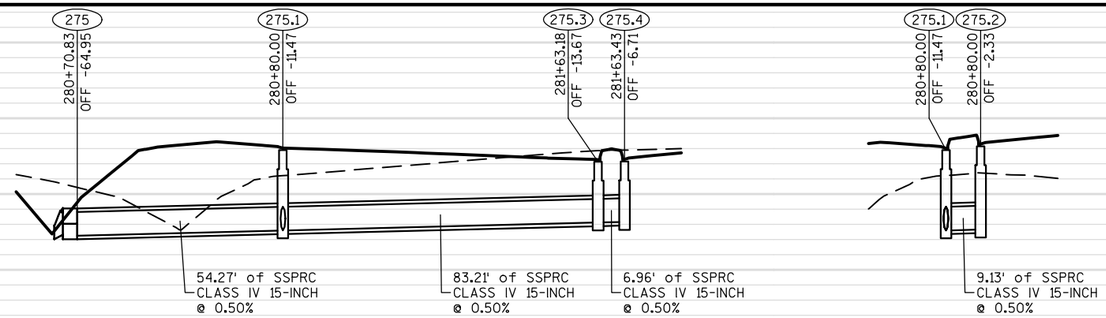
FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-05-A

PLOT DATE : 8/1/2016 9:04 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



1000
INV: 852.75

1010
INV: 853.25



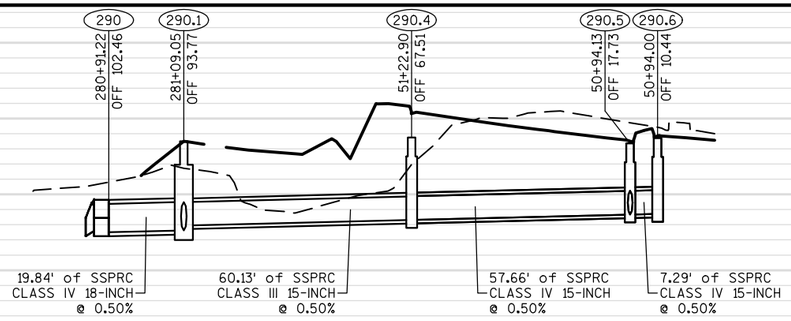
275
INV: 853.81

275.1
RIM: 858.31
SUMP: 854.08
TOTAL DEPTH: 4.23
E INV IN: 854.08
N INV IN: 854.08
W INV OUT: 854.08

275.3
RIM: 857.71
SUMP: 854.49
TOTAL DEPTH: 3.21
E INV IN: 854.49
S INV OUT: 854.49

275.4
RIM: 857.71
SUMP: 854.53
TOTAL DEPTH: 3.19
W INV OUT: 854.53

275.2
RIM: 858.52
SUMP: 854.12
TOTAL DEPTH: 4.40
W INV OUT: 854.12



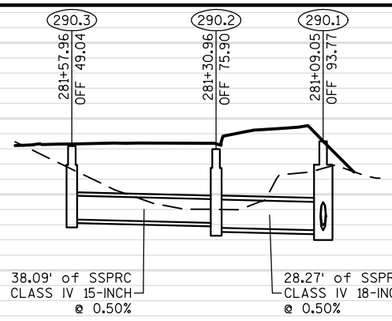
290
INV: 854.00

290.1
RIM: 858.81
SUMP: 854.10
TOTAL DEPTH: 4.71
NW INV IN: 854.10
N INV IN: 854.35
SE INV OUT: 854.10

290.4
RIM: 859.00
SUMP: 854.65
TOTAL DEPTH: 4.35
NW INV IN: 854.65
S INV OUT: 854.65

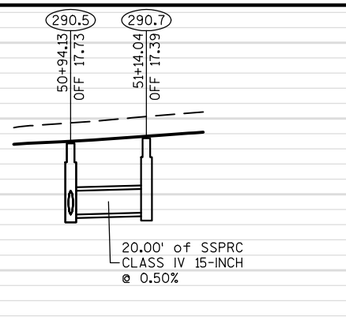
290.5
RIM: 858.70
SUMP: 854.94
TOTAL DEPTH: 3.76
N INV IN: 854.94
E INV IN: 854.94
SE INV OUT: 854.94

290.6
RIM: 858.98
SUMP: 854.98
TOTAL DEPTH: 4.00
S INV OUT: 854.98

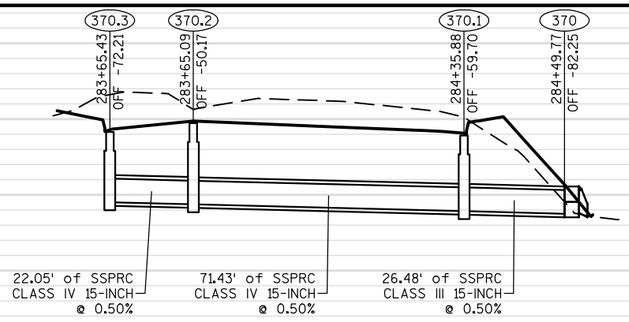


290.3
RIM: 858.55
SUMP: 854.68
TOTAL DEPTH: 3.87
SE INV OUT: 854.68

290.2
RIM: 858.39
SUMP: 854.24
TOTAL DEPTH: 4.15
NW INV IN: 854.49
SE INV OUT: 854.24



290.7
RIM: 858.96
SUMP: 855.04
TOTAL DEPTH: 3.92
W INV OUT: 855.04

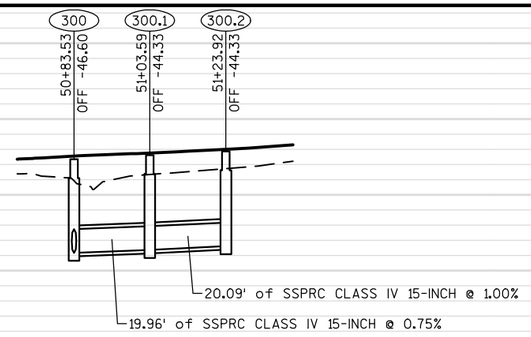


370.3
RIM: 855.32
SUMP: 851.60
TOTAL DEPTH: 3.71
E INV OUT: 851.60

370.2
RIM: 855.78
SUMP: 851.49
TOTAL DEPTH: 4.29
W INV IN: 851.49
N INV OUT: 851.49

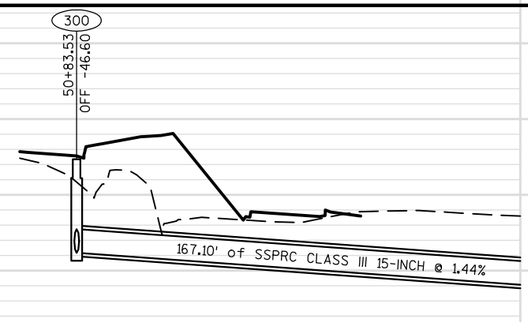
370.1
RIM: 855.13
SUMP: 851.14
TOTAL DEPTH: 4.00
S INV IN: 851.14
NW INV OUT: 851.14

370
INV: 851.00



300.1
RIM: 858.09
SUMP: 853.09
TOTAL DEPTH: 5.01
E INV IN: 853.09
W INV OUT: 853.09

300.2
RIM: 858.29
SUMP: 853.29
TOTAL DEPTH: 5.00
W INV OUT: 853.29



300
RIM: 857.88
SUMP: 852.94
TOTAL DEPTH: 4.94
E INV IN: 852.94
N INV OUT: 852.94

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-05-B
PLOT DATE : 8/1/2016 8:28 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

END PROJECT ID 2788-02-70
BEGIN PROJECT ID 2788-00-72
STA 284'WB'+74.64

STA 284'WB'+00

STA 290'WB'+00

MATCH LINE

MATCH LINE

CTH TT
MEADOWBROOK RD

48'DWY'

49'DWY'

SOUTH DWY

SOUTH DWY

REMOVE CULVERT

REMOVE INL, CB & SS

REMOVE CB & SS

REMOVE INL & SS

REMOVE INL & SS

REMOVE CULVERT

CPRC CLASS III 48-INCH

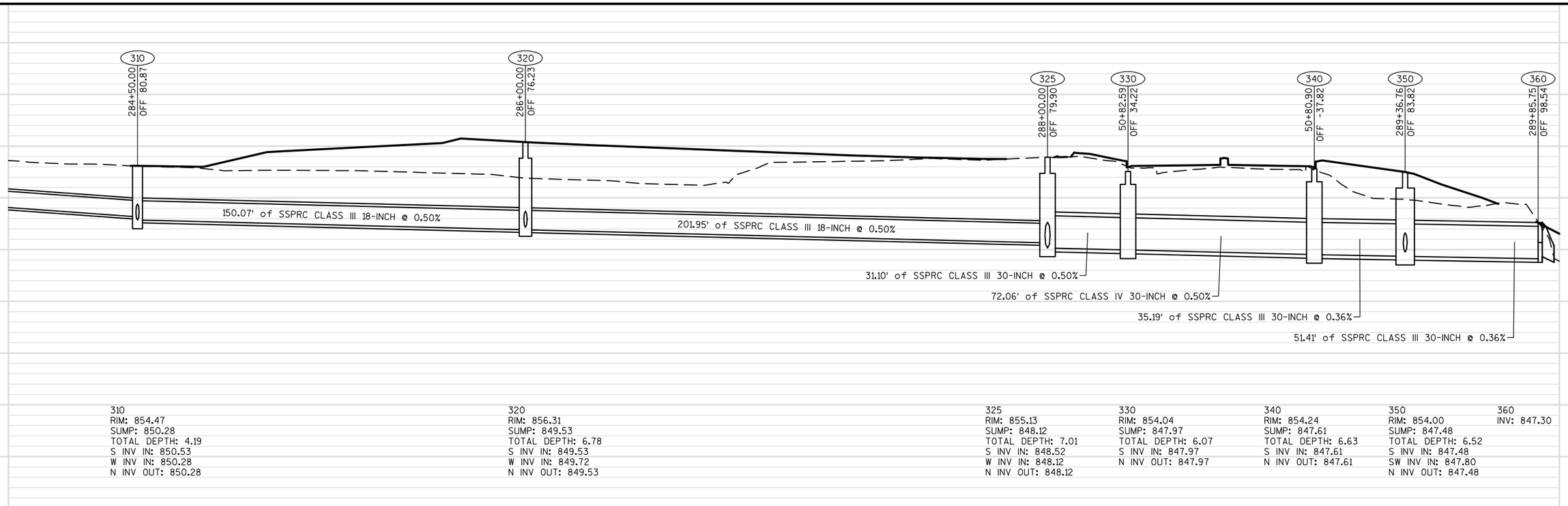
CPRC CLASS III 72-INCH

CPRC CLASS III 48-INCH

M-67-D

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-06-A
PLOT DATE : 8/1/2016 8:29 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



310
RIM: 854.47
SUMP: 850.28
TOTAL DEPTH: 4.19
S INV IN: 850.53
W INV IN: 850.28
N INV OUT: 850.28

320
RIM: 856.31
SUMP: 849.53
TOTAL DEPTH: 6.78
S INV IN: 849.53
W INV IN: 849.72
N INV OUT: 849.53

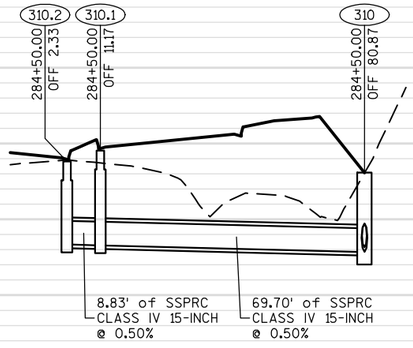
325
RIM: 855.13
SUMP: 848.12
TOTAL DEPTH: 7.01
S INV IN: 848.52
W INV IN: 848.12
N INV OUT: 848.12

330
RIM: 854.04
SUMP: 847.97
TOTAL DEPTH: 6.07
S INV IN: 847.97
N INV OUT: 847.97

340
RIM: 854.24
SUMP: 847.61
TOTAL DEPTH: 6.63
S INV IN: 847.61
N INV OUT: 847.61

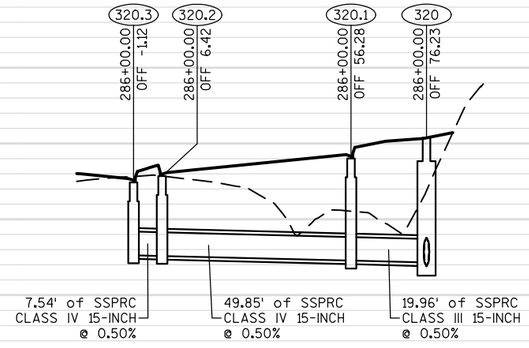
350
RIM: 854.00
SUMP: 847.48
TOTAL DEPTH: 6.52
S INV IN: 847.48
SW INV IN: 847.80
N INV OUT: 847.48

360
INV: 847.30



310.2
RIM: 855.06
SUMP: 850.67
TOTAL DEPTH: 4.38
E INV OUT: 850.67

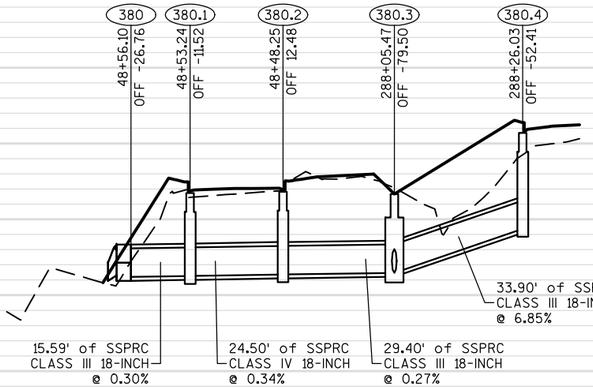
310.1
RIM: 855.63
SUMP: 850.63
TOTAL DEPTH: 5.00
W INV IN: 850.63
E INV OUT: 850.63



320.3
RIM: 853.96
SUMP: 850.11
TOTAL DEPTH: 3.85
E INV OUT: 850.11

320.2
RIM: 854.28
SUMP: 850.07
TOTAL DEPTH: 4.21
W INV IN: 850.07
E INV OUT: 850.07

320.1
RIM: 855.23
SUMP: 849.82
TOTAL DEPTH: 5.40
W INV IN: 849.82
E INV OUT: 849.82

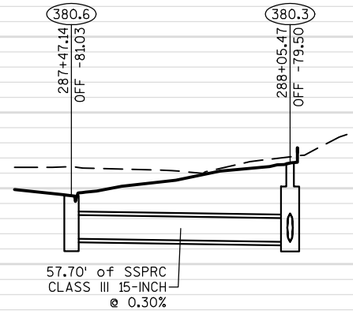


380
INV: 844.97

380.1
RIM: 849.39
SUMP: 845.02
TOTAL DEPTH: 4.38
E INV IN: 845.02
W INV OUT: 845.02

380.2
RIM: 849.46
SUMP: 845.10
TOTAL DEPTH: 4.37
E INV IN: 845.10
W INV OUT: 845.10

380.4
RIM: 852.57
SUMP: 847.50
TOTAL DEPTH: 5.07
SW INV OUT: 847.50

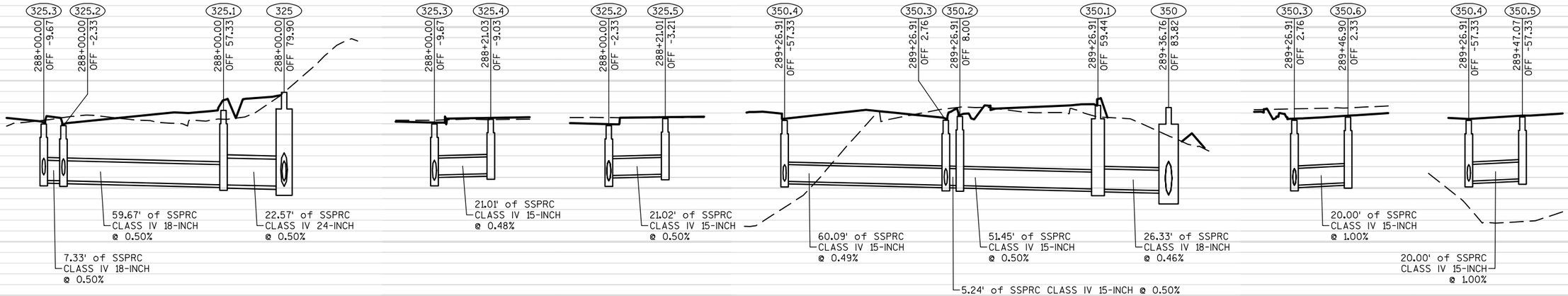


380.6
RIM: 847.62
SUMP: 845.35
TOTAL DEPTH: 2.27
N INV OUT: 845.35

380.3
RIM: 849.34
SUMP: 845.18
TOTAL DEPTH: 4.16
NE INV IN: 845.18
S INV IN: 845.18
W INV OUT: 845.18

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-06-B
PLOT DATE : 8/1/2016 8:29 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



325.3
RIM: 852.77
SUMP: 848.57
TOTAL DEPTH: 4.20
N INV IN: 848.97
E INV OUT: 848.57

325.2
RIM: 852.65
SUMP: 848.54
TOTAL DEPTH: 4.11
N INV IN: 848.93
W INV IN: 848.54
E INV OUT: 848.54

325.1
RIM: 853.78
SUMP: 848.24
TOTAL DEPTH: 5.54
W INV IN: 848.24
E INV OUT: 848.24

325.4
RIM: 853.12
SUMP: 849.07
TOTAL DEPTH: 4.05
S INV OUT: 849.07

325.5
RIM: 853.17
SUMP: 849.04
TOTAL DEPTH: 4.14
S INV OUT: 849.04

350.4
RIM: 853.04
SUMP: 848.50
TOTAL DEPTH: 4.54
N INV IN: 848.50
E INV OUT: 848.50

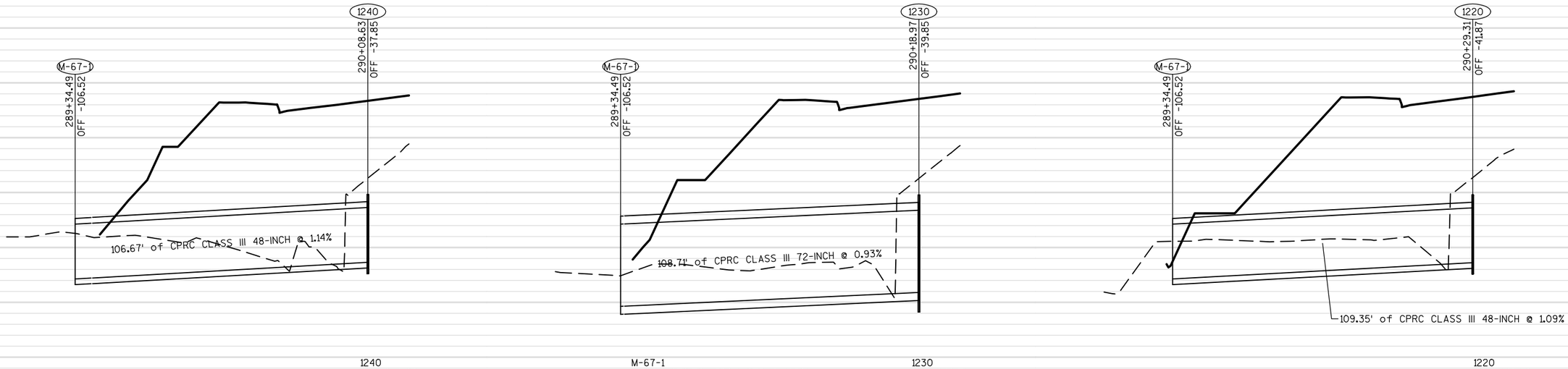
350.3
RIM: 853.06
SUMP: 848.20
TOTAL DEPTH: 4.85
W INV IN: 848.20
N INV IN: 848.20
E INV OUT: 848.20

350.2
RIM: 853.33
SUMP: 848.18
TOTAL DEPTH: 5.15
W INV IN: 848.18
E INV OUT: 848.18

350.1
RIM: 854.16
SUMP: 847.92
TOTAL DEPTH: 6.24
W INV IN: 847.92
NE INV OUT: 847.92

350.6
RIM: 853.28
SUMP: 848.40
TOTAL DEPTH: 4.87
S INV OUT: 848.40

350.5
RIM: 853.29
SUMP: 848.70
TOTAL DEPTH: 4.59
S INV OUT: 848.70



1240
INV: 842.92

M-67-1
INV IN: 839.70 (FROM STRUC 1230)
INV IN: 841.70 (FROM STRUC 1240)
INV IN: 841.70 (FROM STRUC 1220)

1230
INV: 840.71

1220
INV: 842.89

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

2

2

N

HIGH FLOW RELIEF
(SEE DETAIL)

REMOVE
MASONRY
ENDWALL

REMOVE PIPE TO NEAREST JOINT
CONCRETE COLLAR, REQ'D

24"SS

CPRC CLASS III 18-INCH

1170
1160
400
405
410
1220
1230
1240
400.1
400.2
400.3
410.1
410.2
410.3
15"SS

STA 290'WB'+00
291'WB'
292'WB'
293'WB'
294'WB'
295'WB'
296
STA 296'WB'+00

MATCH LINE
MATCH LINE

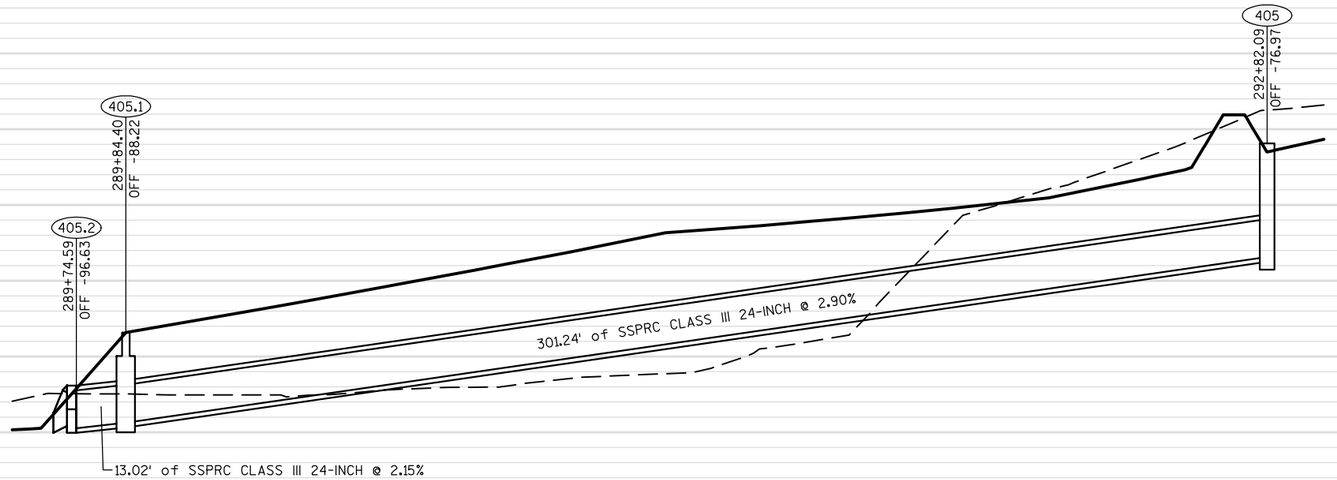
CTH TT
MEADOWBROOK RD

CLEAN EXISTING CULVERT PIPE

PRIVATE
STORMWATER
POND

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

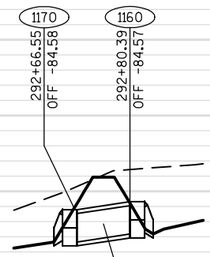
FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-07-A
PLOT DATE : 8/1/2016 8:30 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



405.2
INV: 844.22

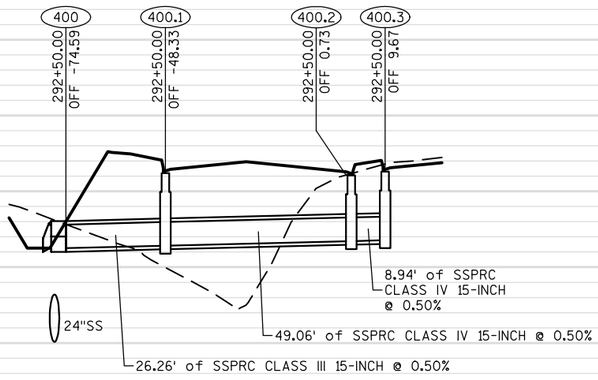
405.1
RIM: 849.27
SUMP: 844.50
TOTAL DEPTH: 4.77
N INV IN: 844.50
SW INV OUT: 844.50

405
RIM: 859.25
SUMP: 853.25
TOTAL DEPTH: 6.00
S INV OUT: 853.25



1170
INV: 857.33

1160
INV: 857.75

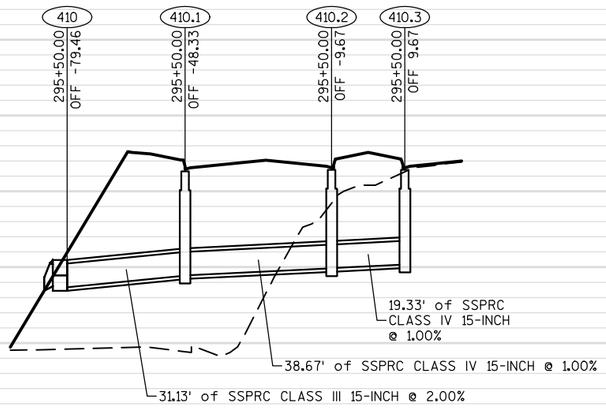


400
INV: 857.00

400.1
RIM: 860.97
SUMP: 857.13
TOTAL DEPTH: 3.84
E INV IN: 857.13
W INV OUT: 857.13

400.2
RIM: 860.84
SUMP: 857.38
TOTAL DEPTH: 3.46
E INV IN: 857.38
W INV OUT: 857.38

400.3
RIM: 861.05
SUMP: 857.42
TOTAL DEPTH: 3.63
W INV OUT: 857.42



410
INV: 866.94

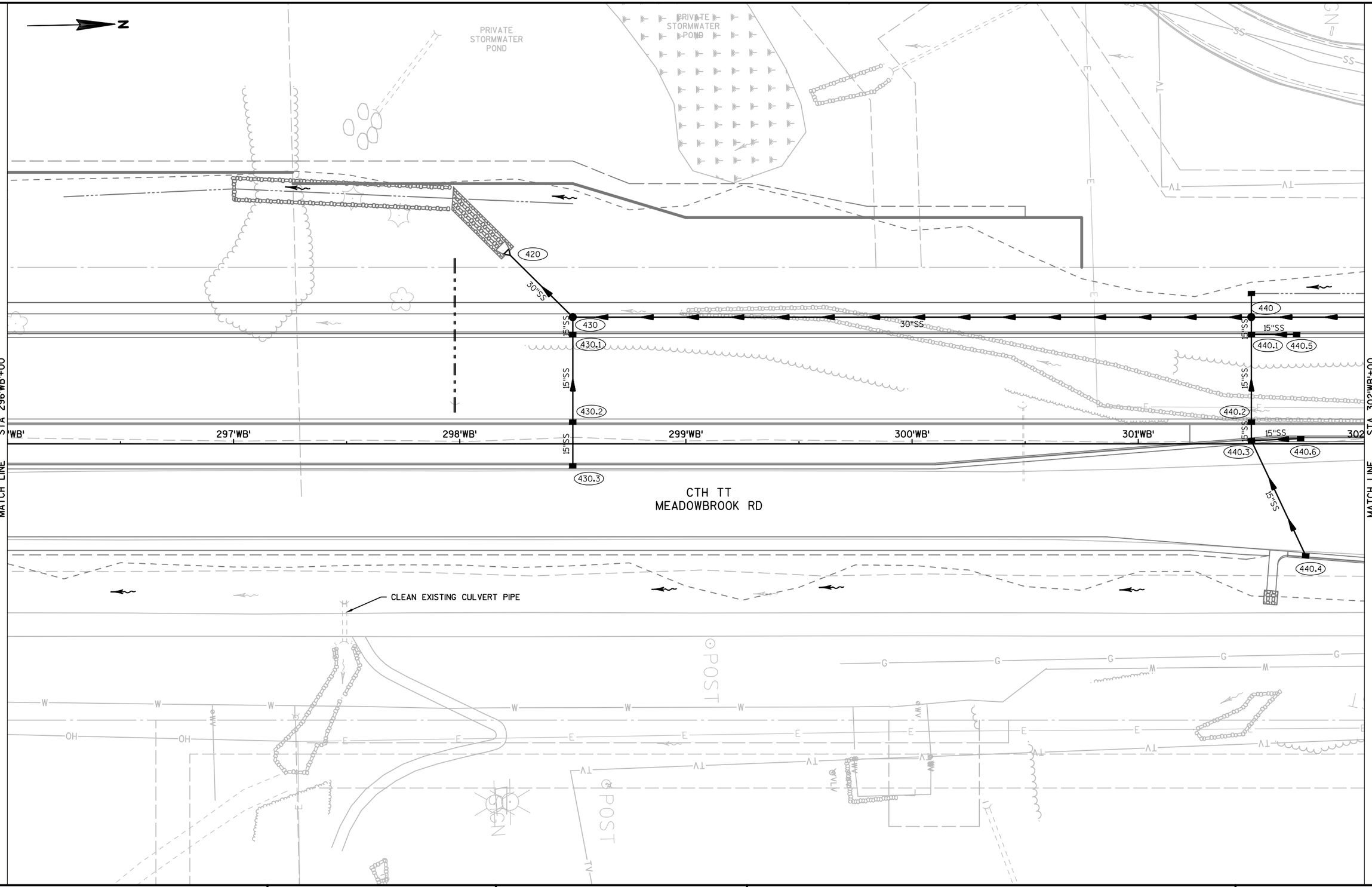
410.1
RIM: 873.05
SUMP: 867.56
TOTAL DEPTH: 5.49
E INV IN: 867.56
W INV OUT: 867.56

410.2
RIM: 873.13
SUMP: 867.95
TOTAL DEPTH: 5.19
E INV IN: 867.95
W INV OUT: 867.95

410.3
RIM: 873.13
SUMP: 868.14
TOTAL DEPTH: 4.99
W INV OUT: 868.14

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

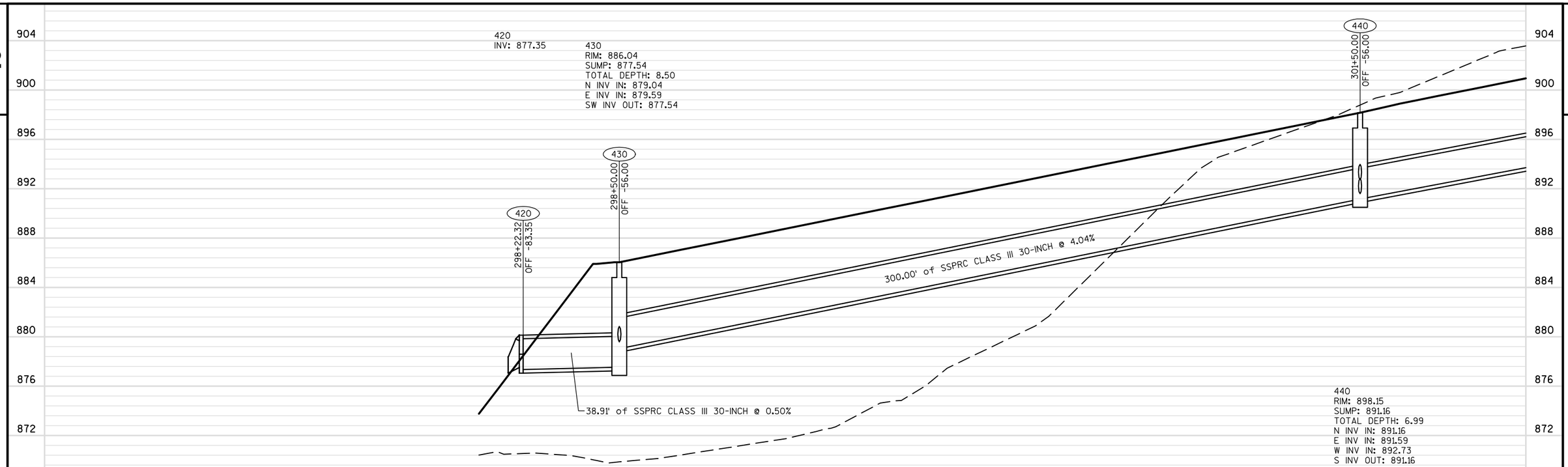
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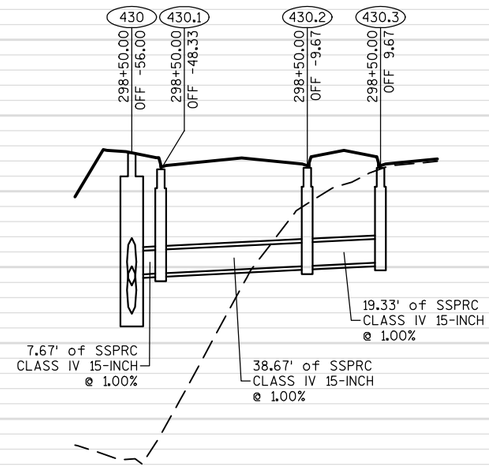


2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-08-A
PLOT DATE : 8/1/2016 8:31 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

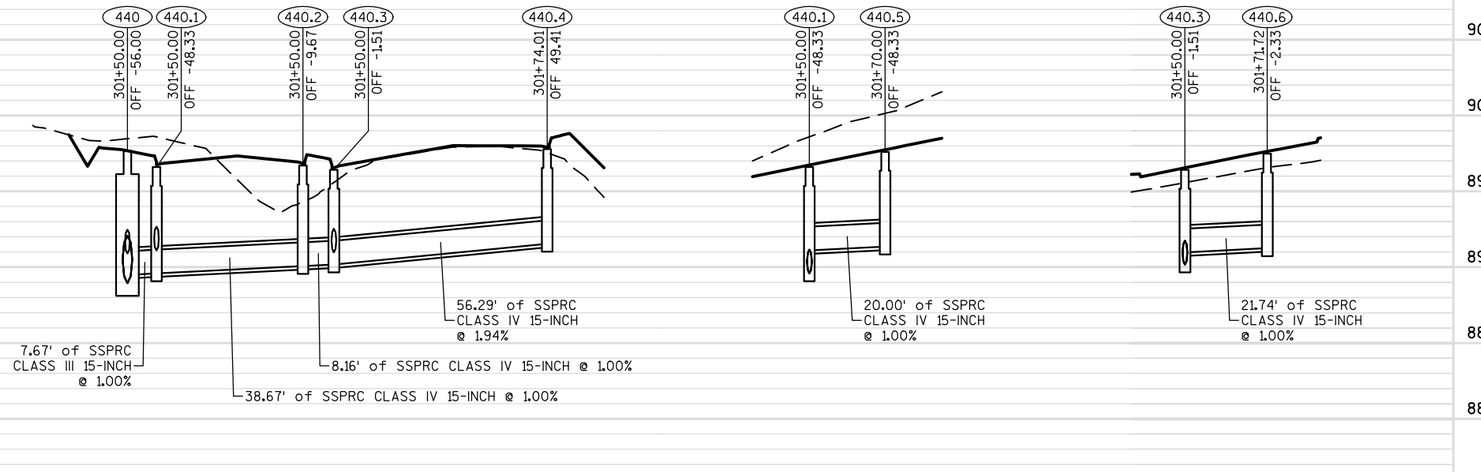




430.1
RIM: 885.17
SUMP: 879.67
TOTAL DEPTH: 5.50
E INV IN: 879.67
W INV OUT: 879.67

430.2
RIM: 885.25
SUMP: 880.06
TOTAL DEPTH: 5.19
E INV IN: 880.06
W INV OUT: 880.06

430.3
RIM: 885.25
SUMP: 880.25
TOTAL DEPTH: 5.00
W INV OUT: 880.25



440.1
RIM: 897.28
SUMP: 891.67
TOTAL DEPTH: 5.61
E INV IN: 891.67
N INV IN: 892.89
W INV OUT: 891.67

440.2
RIM: 897.36
SUMP: 892.06
TOTAL DEPTH: 5.30
E INV IN: 892.06
W INV OUT: 892.06

440.3
RIM: 897.14
SUMP: 892.14
TOTAL DEPTH: 5.00
NE INV IN: 892.14
N INV IN: 892.78
W INV OUT: 892.14

440.4
RIM: 898.23
SUMP: 893.23
TOTAL DEPTH: 5.00
SW INV OUT: 893.23

440.5
RIM: 898.09
SUMP: 893.09
TOTAL DEPTH: 5.00
S INV OUT: 893.09

440.6
RIM: 898.00
SUMP: 893.00
TOTAL DEPTH: 5.00
S INV OUT: 893.00

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-08-B
PLOT DATE : 8/1/2016 8:31 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STA 302'WB'+00

'WB'

303'WB'

304'WB'

305'WB'

50CC'

50CC'

306'WB'

307'WB'

308

STA 308'WB'+00

MATCH LINE

MATCH LINE

CTH TT
MEADOWBROOK RD

CTH TT
MEADOWBROOK RD

COLDWATER CREEK DR

COLDWATER CREEK DR

460

460.1

460.2

460.3

460.4

470

470.1

470.2

470.3

470.4

470.5

470.7

500

500.1

500.2

500.3

500.4

500.5

500.6

30"SS

15"SS

18"SS

24"SS

STA 305'WB'+15, 80' LT
12" WM OFFSET

STA 305'WB'+15, 60' LT
12" WM OFFSET

STA 305'WB'+40, 110' LT
12" WM OFFSET

STA 305'WB'+40, 60' LT
12" WM OFFSET

STA 305'WB'+40, 90' RT
12" WM OFFSET

STA 305'WB'+55, 90' RT
12" WM OFFSET

STA 305'WB'+60, 100' RT
12" WM OFFSET

REMOVE
CB & SS

CLOSE EXISTING CULVERT PIPE

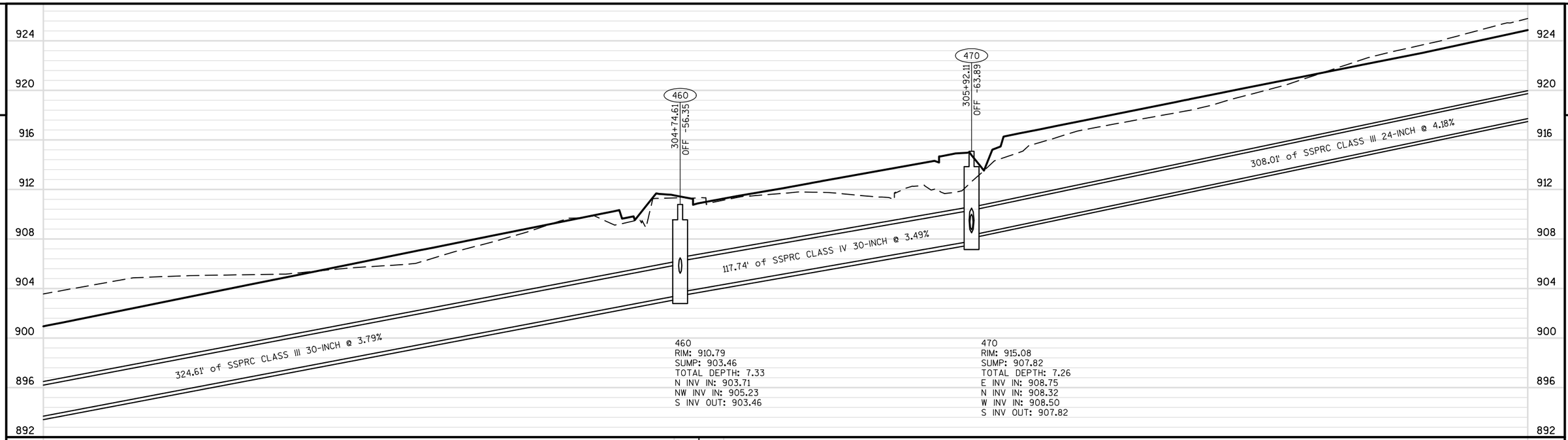
INLET & PIPE
TO REMAIN

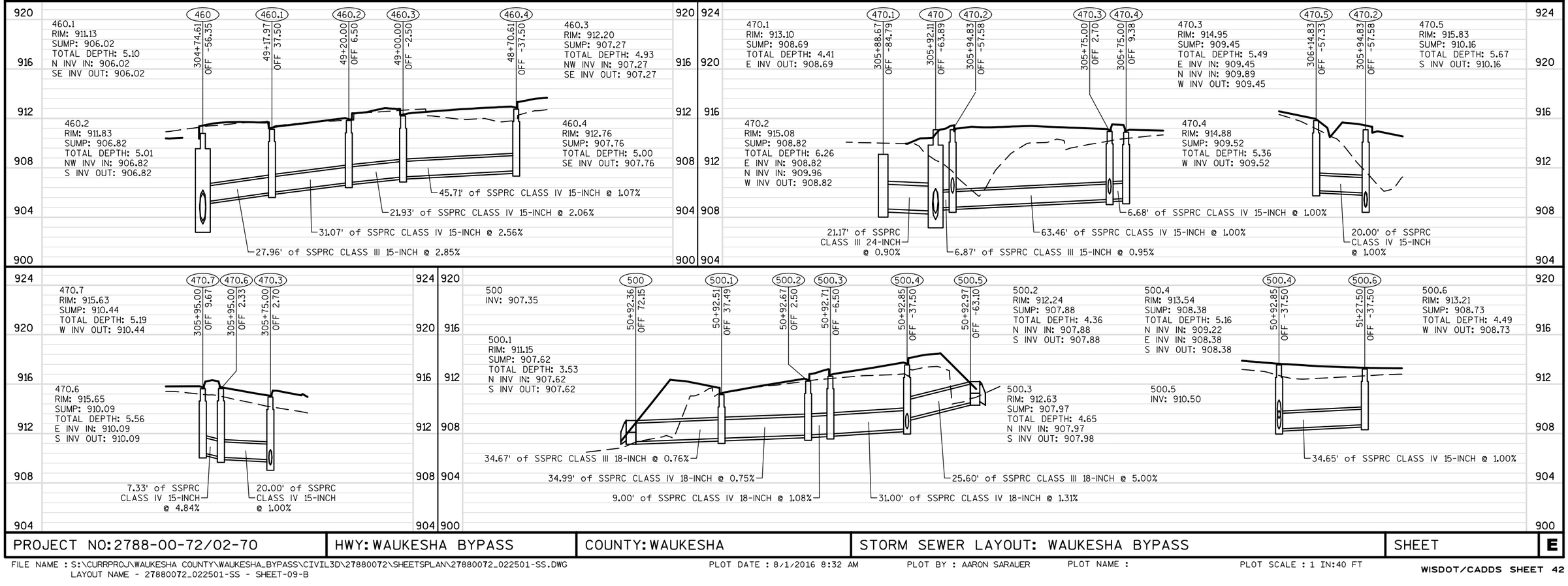
CLEAN EXISTING CULVERT PIPE

VERIFY WITH ENGINEER IF INLET 500.6 IS
REQUIRED PRIOR TO ORDERING MATERIAL.
IF POSITIVE DRAINAGE CAN BE OBTAINED IN
CURB AND GUTTER, THEN STRUCTURE 500.6
AND ASSOCIATED PIPE NOT REQUIRED.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-09-A
PLOT DATE : 8/1/2016 8:31 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-09-B
PLOT DATE : 8/1/2016 8:32 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STA 308'WB'+00

MATCH LINE

'WB'

309'WB'

310'WB'

311'WB'

312'WB'

313'WB'

314

STA 314'WB'+00

MATCH LINE

480

480.1

480.2

480.3

490

490.1

490.2

490.3

15"SS

24"SS

CTH TT
MEADOWBROOK RD

CLEAN EXISTING CULVERT PIPE

TV

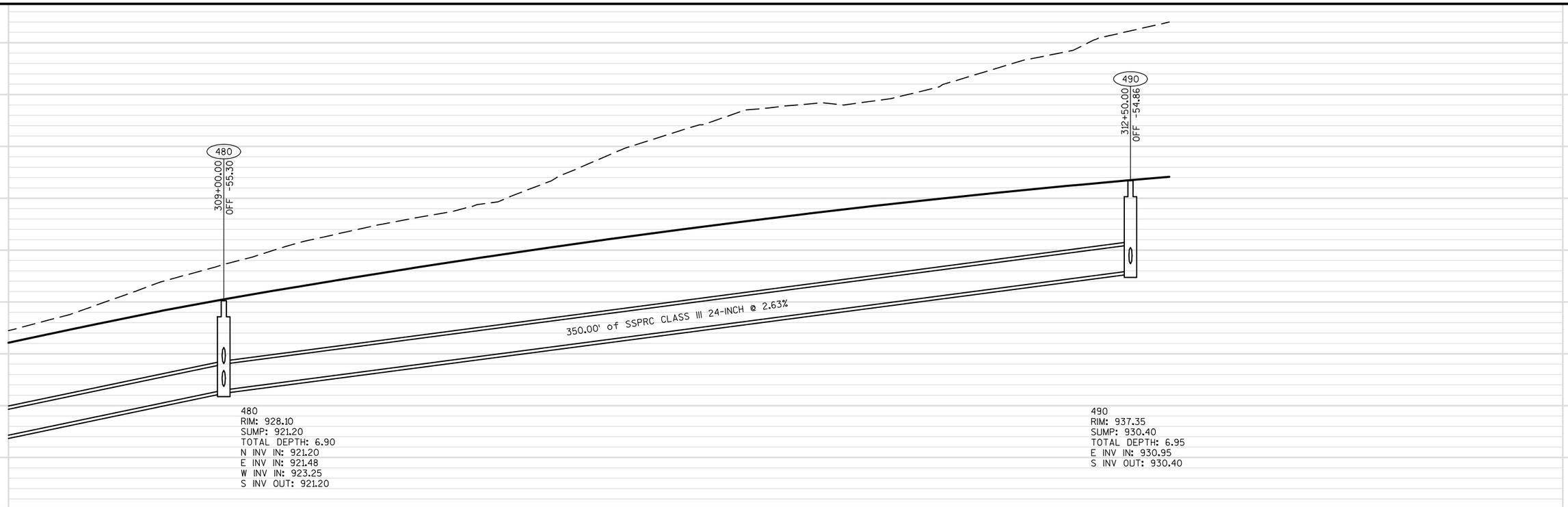
W

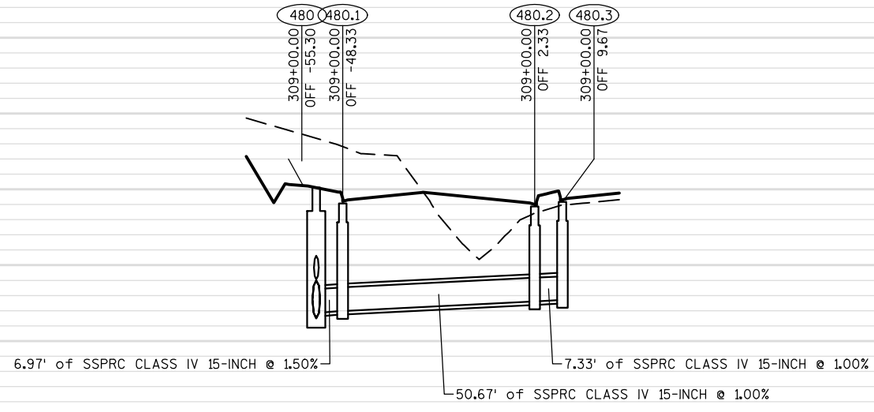
E

PROJECT NO:2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-10-A

PLOT DATE : 8/1/2016 8:32 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

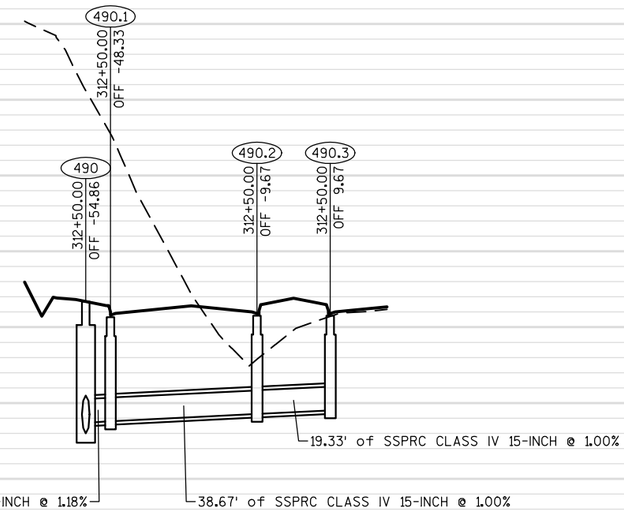




480.1
RIM: 927.26
SUMP: 921.58
TOTAL DEPTH: 5.67
E INV IN: 921.58
W INV OUT: 921.58

480.2
RIM: 927.10
SUMP: 922.09
TOTAL DEPTH: 5.01
E INV IN: 922.09
W INV OUT: 922.09

480.3
RIM: 927.34
SUMP: 922.16
TOTAL DEPTH: 5.17
W INV OUT: 922.16



490.1
RIM: 936.53
SUMP: 931.03
TOTAL DEPTH: 5.50
E INV IN: 931.03
W INV OUT: 931.03

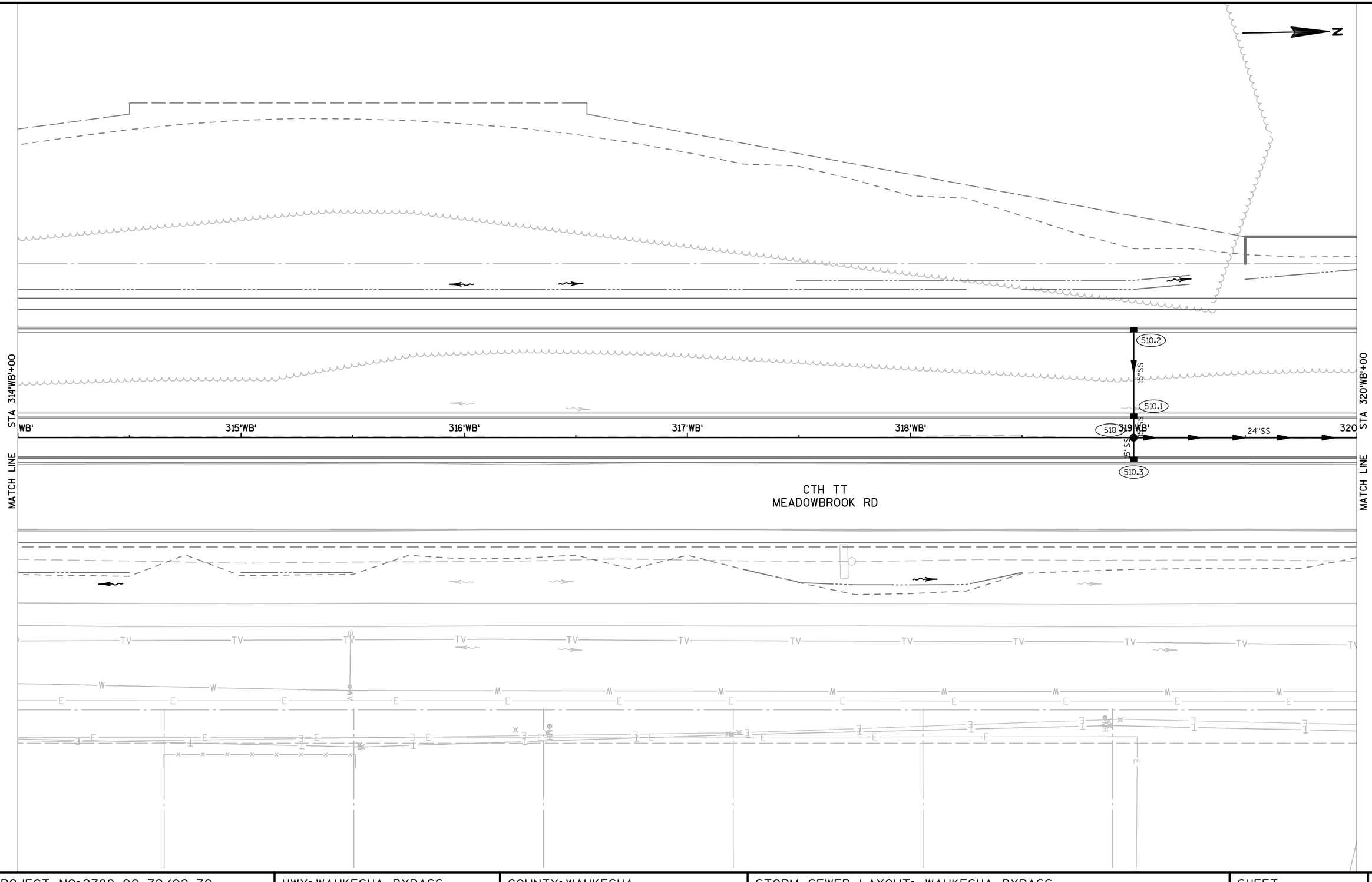
490.2
RIM: 936.61
SUMP: 931.42
TOTAL DEPTH: 5.19
E INV IN: 931.42
W INV OUT: 931.42

490.3
RIM: 936.61
SUMP: 931.61
TOTAL DEPTH: 5.00
W INV OUT: 931.61

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-10-B
PLOT DATE : 8/1/2016 8:32 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

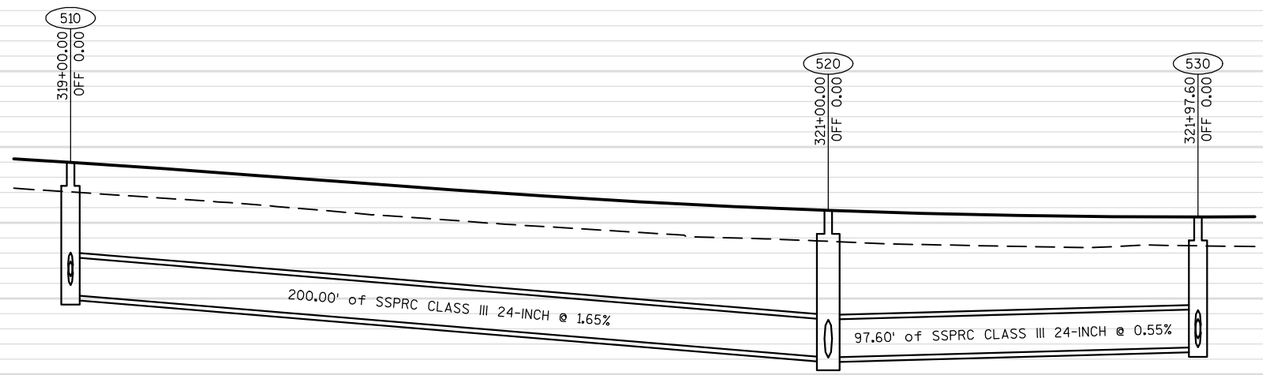
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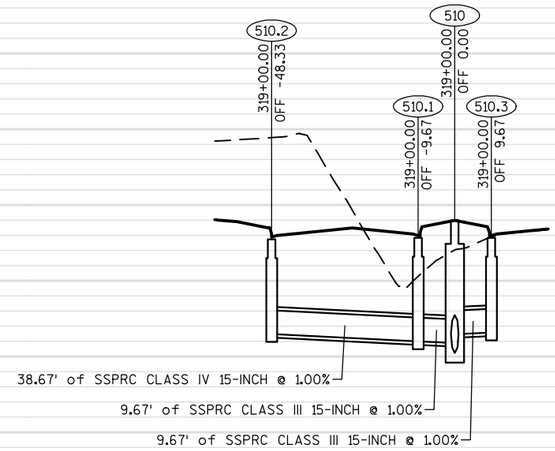


2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-11-A
PLOT DATE : 8/1/2016 8:33 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT





510
RIM: 939.19
SUMP: 932.19
TOTAL DEPTH: 7.00
W INV IN: 932.71
E INV IN: 933.17
N INV OUT: 932.19

520
RIM: 936.65
SUMP: 928.88
TOTAL DEPTH: 7.77
N INV IN: 928.89
S INV IN: 928.89
E INV OUT: 928.88

530
RIM: 936.30
SUMP: 929.42
TOTAL DEPTH: 6.88
W INV IN: 929.42
E INV IN: 929.89
S INV OUT: 929.42

510.2
RIM: 938.19
SUMP: 933.19
TOTAL DEPTH: 5.00
E INV OUT: 933.19

510.1
RIM: 938.27
SUMP: 932.80
TOTAL DEPTH: 5.47
W INV IN: 932.80
E INV OUT: 932.80

510.3
RIM: 938.27
SUMP: 933.27
TOTAL DEPTH: 5.00
W INV OUT: 933.27

948 944 940 936 932 928 924 920 916 912

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-11-B
PLOT DATE : 8/1/2016 8:33 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

STA 320'WB'+00

STA 326'WB'+00

MATCH LINE

MATCH LINE

N

535.1

48"SS

535

48"SS

535.2

REMOVE PIPE TO NEAREST JOINT
CONCRETE COLLAR, REQ'D

530.1

530.7 15"SS 15"SS 530.4

18"SS

530.8 15"SS 15"SS 530.5

530.2 15"SS 530.2

540.3

15"SS

540.2

'WB' 24"SS 321'WB' 24"SS 322'WB' 323'WB' 324'WB' 325'WB' 326

520

530

530.9 15"SS 8"SS

530.3 15"SS 530.6

540.1

15"SS

24"SS

CTH TT
MEADOWBROOK RD

CLEAN EXISTING CULVERT PIPE

15"SS

520.1

540

INSULATE WM
(4'X16'X2")

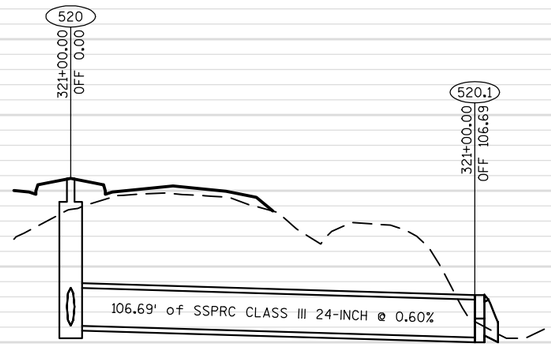
INSULATE WM
(4'X8'X2")

BMP 'DP 324'
DRY POND
BOTTOM: 916.5'
TOP: 922.0'

PROJECT NO:2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

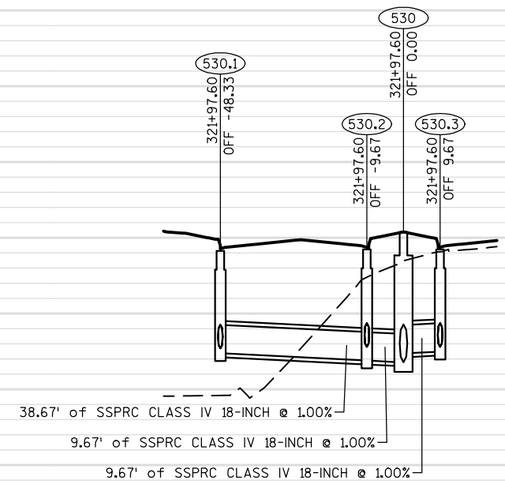
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LAYOUT NAME - 27880072_022501-SS - SHEET-12-A

PLOT DATE : 8/1/2016 8:34 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



520
RIM: 936.65
SUMP: 928.88
TOTAL DEPTH: 7.77
N INV IN: 928.89
S INV IN: 928.89
E INV OUT: 928.88

520.1
INV: 928.25

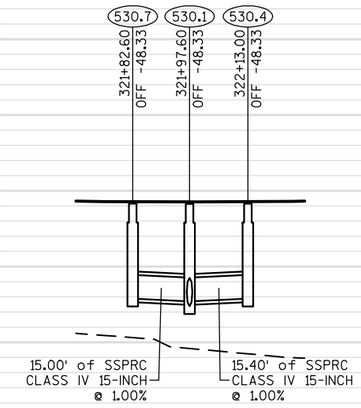


530.1
RIM: 935.30
SUMP: 929.91
TOTAL DEPTH: 5.40
N INV IN: 930.16
S INV IN: 930.16
E INV OUT: 929.91

530.2
RIM: 935.38
SUMP: 929.52
TOTAL DEPTH: 5.86
W INV IN: 929.52
N INV IN: 930.24
S INV IN: 930.24
E INV OUT: 929.52

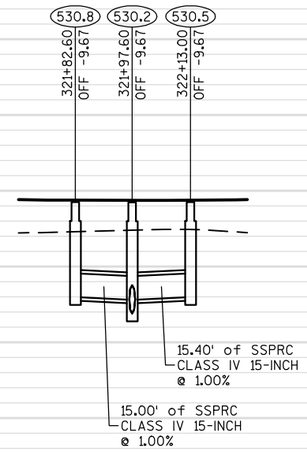
530
RIM: 936.30
SUMP: 929.42
TOTAL DEPTH: 6.88
W INV IN: 929.42
E INV IN: 929.89
S INV OUT: 929.42

530.3
RIM: 935.38
SUMP: 929.99
TOTAL DEPTH: 5.39
N INV IN: 930.25
S INV IN: 930.24
W INV OUT: 929.99



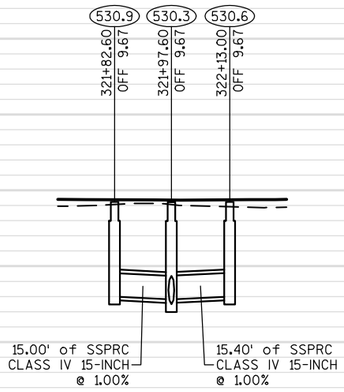
530.7
RIM: 935.31
SUMP: 930.31
TOTAL DEPTH: 5.00
N INV OUT: 930.31

530.4
RIM: 935.31
SUMP: 930.31
TOTAL DEPTH: 5.00
S INV OUT: 930.31



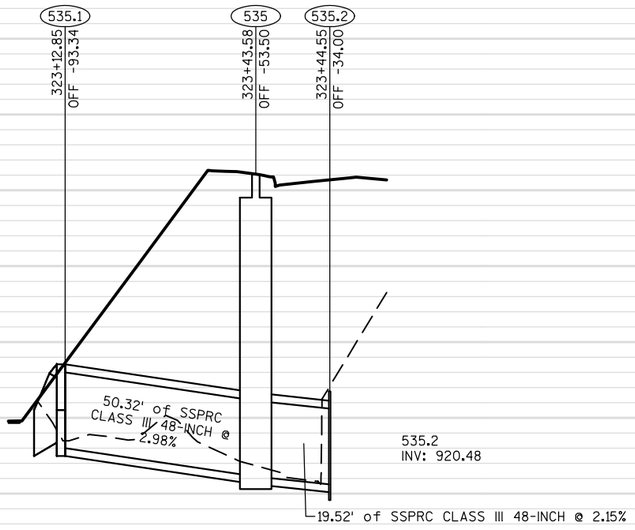
530.8
RIM: 935.39
SUMP: 930.39
TOTAL DEPTH: 5.00
N INV OUT: 930.39

530.5
RIM: 935.39
SUMP: 930.39
TOTAL DEPTH: 5.00
S INV OUT: 930.39



530.9
RIM: 935.39
SUMP: 930.39
TOTAL DEPTH: 5.00
N INV OUT: 930.39

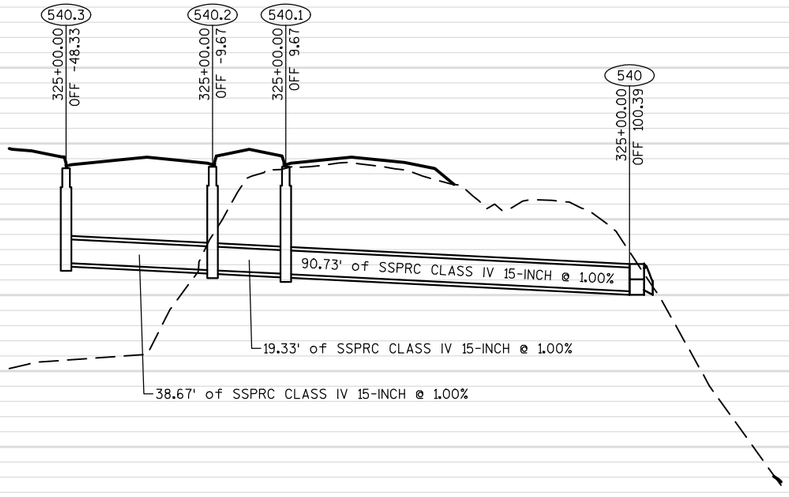
530.6
RIM: 935.40
SUMP: 930.40
TOTAL DEPTH: 5.00
S INV OUT: 930.40



535.1
INV: 922.40

535
RIM: 936.87
SUMP: 920.90
TOTAL DEPTH: 15.97
SW INV IN: 920.90
E INV OUT: 920.90

535.2
INV: 920.48



540.3
RIM: 938.70
SUMP: 933.70
TOTAL DEPTH: 5.00
E INV OUT: 933.70

540.2
RIM: 938.78
SUMP: 933.31
TOTAL DEPTH: 5.46
W INV IN: 933.31
E INV OUT: 933.31

540.1
RIM: 938.78
SUMP: 933.12
TOTAL DEPTH: 5.66
W INV IN: 933.12
E INV OUT: 933.12

540
INV: 932.21

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-12-B
PLOT DATE : 8/1/2016 8:34 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

AEW FOR UNDERDRAIN
REINFORCED CONCRETE

550
560
570
580
580.1
580.2
580.3
590
590.1
590.2
590.3
600
600.1
600.2
600.3

36"SS
30"SS
30"SS
30"SS
18"SS
15"SS
15"SS
15"SS
15"SS
15"SS

STA 326'WB+00
327'WB'
328'WB'
329'WB'
330'WB'
331'WB'
STA 332'WB+00

MATCH LINE
MATCH LINE

CTH TT
MEADOWBROOK RD

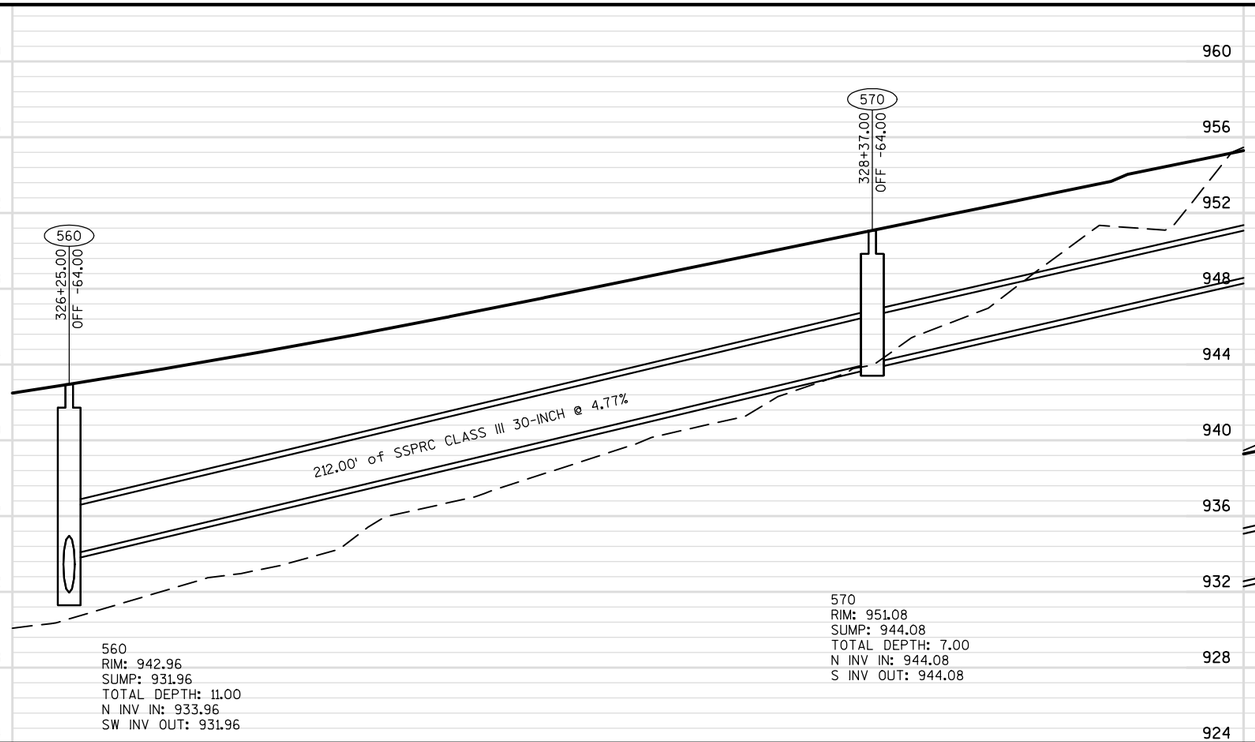
CLEAN EXISTING CULVERT PIPE

INSULATE WM
(4'X8'X2")

INSULATE WM
(4'X140'X2")

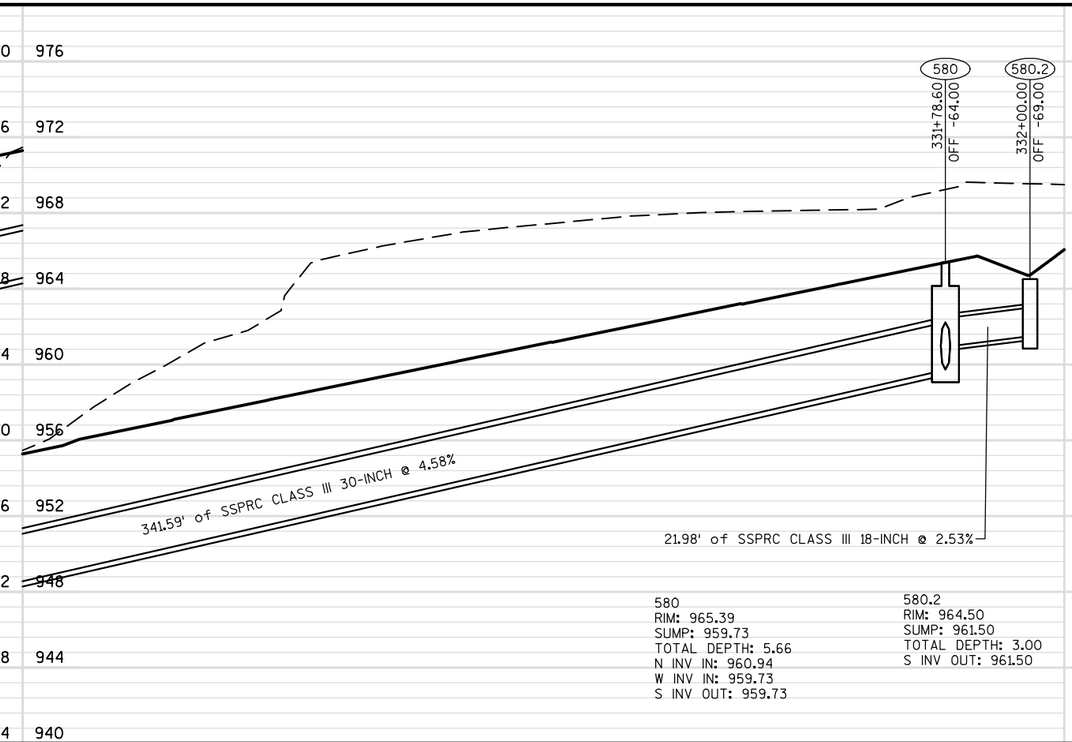
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-13-A
PLOT DATE : 8/1/2016 8:34 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



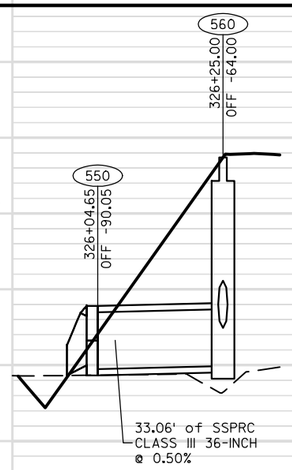
560
RIM: 942.96
SUMP: 931.96
TOTAL DEPTH: 11.00
N INV IN: 933.96
SW INV OUT: 931.96

570
RIM: 951.08
SUMP: 944.08
TOTAL DEPTH: 7.00
N INV IN: 944.08
S INV OUT: 944.08

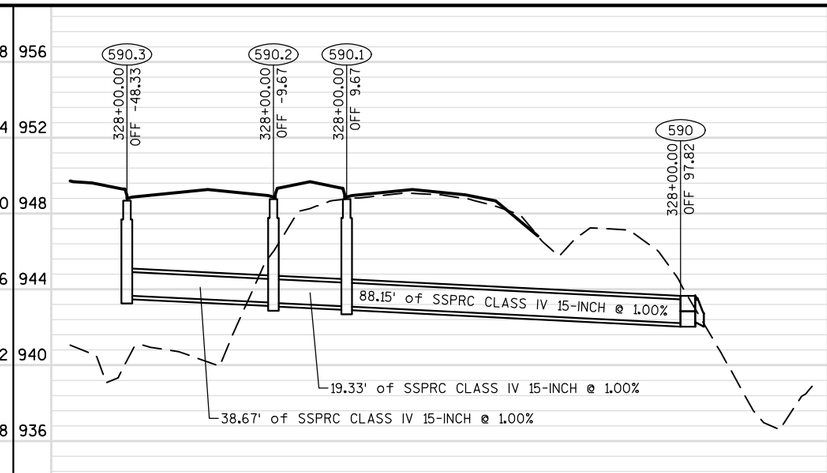


580
RIM: 965.39
SUMP: 959.73
TOTAL DEPTH: 5.66
N INV IN: 960.94
W INV IN: 959.73
S INV OUT: 959.73

580.2
RIM: 964.50
SUMP: 961.50
TOTAL DEPTH: 3.00
S INV OUT: 961.50



550
INV: 931.79

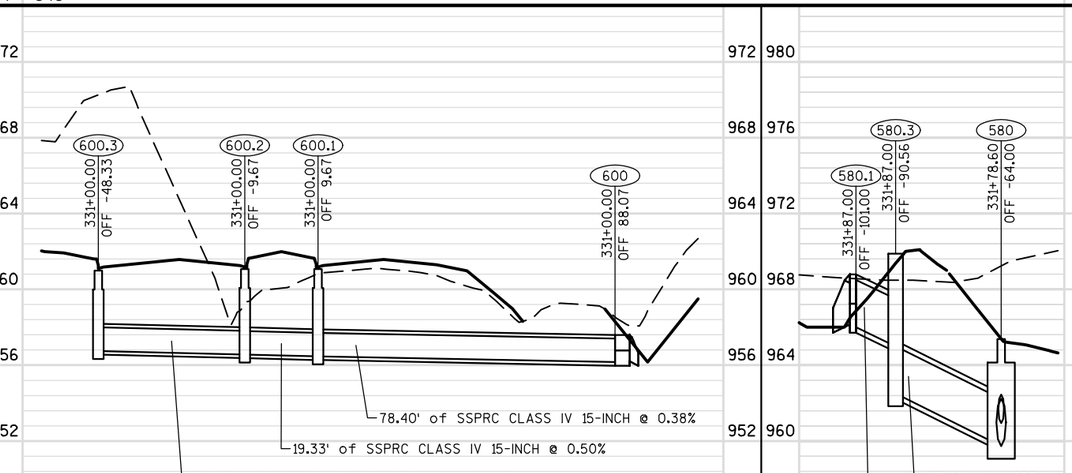


590.3
RIM: 948.68
SUMP: 943.68
TOTAL DEPTH: 5.00
E INV OUT: 943.68

590.2
RIM: 948.76
SUMP: 943.29
TOTAL DEPTH: 5.47
W INV IN: 943.29
E INV OUT: 943.29

590.1
RIM: 948.76
SUMP: 943.10
TOTAL DEPTH: 5.66
W INV IN: 943.10
E INV OUT: 943.10

590
INV: 942.22



600.3
RIM: 960.99
SUMP: 956.75
TOTAL DEPTH: 4.24
E INV OUT: 956.75

600.2
RIM: 961.07
SUMP: 956.56
TOTAL DEPTH: 4.52
W INV IN: 956.56
E INV OUT: 956.56

600.1
RIM: 961.07
SUMP: 956.46
TOTAL DEPTH: 4.61
W INV IN: 956.46
E INV OUT: 956.46

600
INV: 956.16

580.1
INV: 966.00

580.3
RIM: 969.89
SUMP: 962.50
TOTAL DEPTH: 7.39
W INV IN: 965.00
E INV OUT: 962.50

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-13-B
PLOT DATE : 8/1/2016 8:35 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

STA 332'WB'+00

MATCH LINE

333'WB'

334'WB'

335'WB'

336'WB'

337'WB'

STA 338'WB'+00

MATCH LINE

610.4

610.3

610.2

610.1

610

620.4

620.3

620.2

620.1

620

15"SS

CTH TT
MEADOWBROOK RD

REMOVE
CULVERT

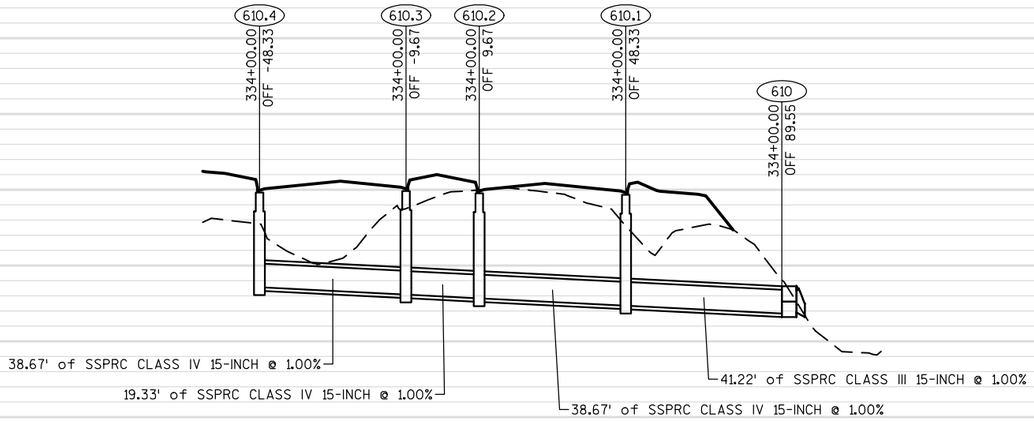
INSULATE WM
(4'X16'X2")

INSULATE WM
(4'X8'X2")

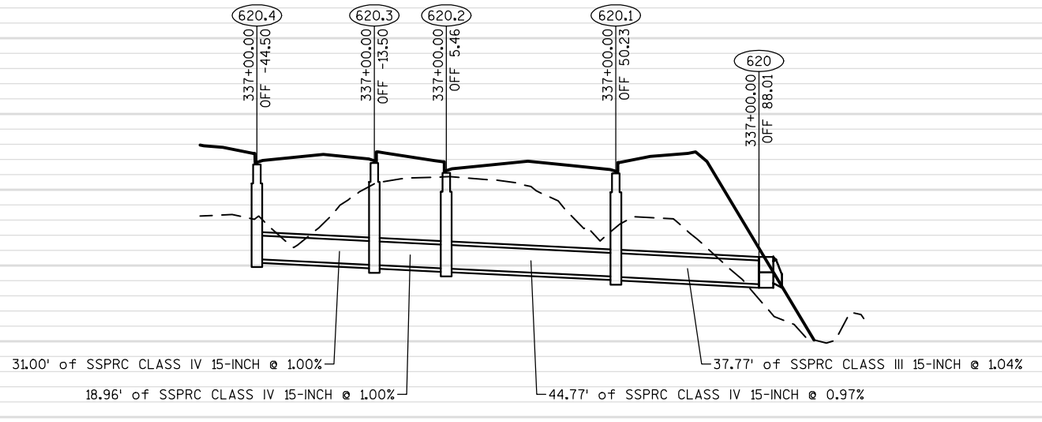
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-14-A

PLOT DATE : 8/1/2016 8:35 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



610.4	610.3	610.2	610.1	610
RIM: 971.85	RIM: 971.93	RIM: 971.81	RIM: 971.73	INV: 965.47
SUMP: 966.85	SUMP: 966.46	SUMP: 966.27	SUMP: 965.88	
TOTAL DEPTH: 5.00	TOTAL DEPTH: 5.47	TOTAL DEPTH: 5.54	TOTAL DEPTH: 5.85	
E INV OUT: 966.85	W INV IN: 966.46	W INV IN: 966.27	W INV IN: 965.88	
	E INV OUT: 966.46	E INV OUT: 966.27	E INV OUT: 965.88	



620.4	620.3	620.2	620.1	620
RIM: 981.34	RIM: 981.42	RIM: 980.90	RIM: 980.86	INV: 975.01
SUMP: 976.34	SUMP: 976.03	SUMP: 975.84	SUMP: 975.41	
TOTAL DEPTH: 5.00	TOTAL DEPTH: 5.39	TOTAL DEPTH: 5.06	TOTAL DEPTH: 5.45	
E INV OUT: 976.34	W INV IN: 976.03	W INV IN: 975.84	W INV IN: 975.41	
	E INV OUT: 976.03	E INV OUT: 975.84	E INV OUT: 975.41	

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-14-B
PLOT DATE : 8/1/2016 8:35 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

REMOVE CULVERT

NORTHVIEW RD

49'NV

END PROJECT ID 2788-00-02
BEGIN CITY OF WAUKESHA PROJECT (BY OTHERS)
STA 342'WB'+31.74

640.7 — 15"SS — 640.6 — 15"SS — 640.5 — 18"SS — 640.4

STA 341'WB'+00, 50' LT
16" WM OFFSET

18"SS — 640.3 — 18"SS — 640.2 — 18"SS — 640.1 — 18"SS — 640

REMOVE CB & SS

STA 338'WB'+00

MATCH LINE

338'WB' 339'WB' 340'WB' 341'WB' 342'WB' 343'WB' 344'WB'

CTH TT
MEADOWBROOK RD

630.2 — 15"SS — 630.1 — 15"SS — 630

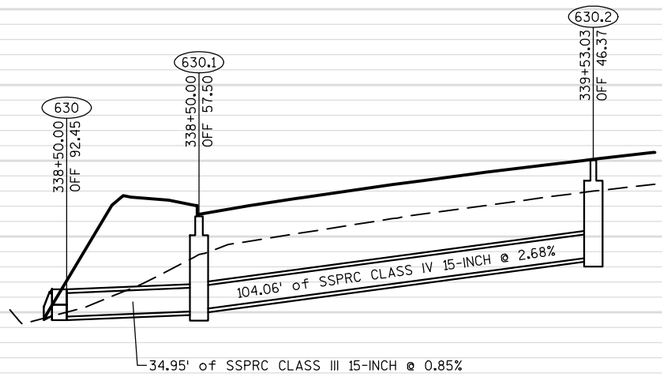
INSULATE WM
(4'X8'X2")

SINV

NORTHVIEW RD

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-15-A
PLOT DATE : 8/1/2016 8:36 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



630
INV: 979.77

630.1
RIM: 985.06
SUMP: 980.07
TOTAL DEPTH: 5.00
N INV IN: 980.13
E INV OUT: 980.07

630.2
RIM: 988.02
SUMP: 982.92
TOTAL DEPTH: 5.10
S INV OUT: 982.92

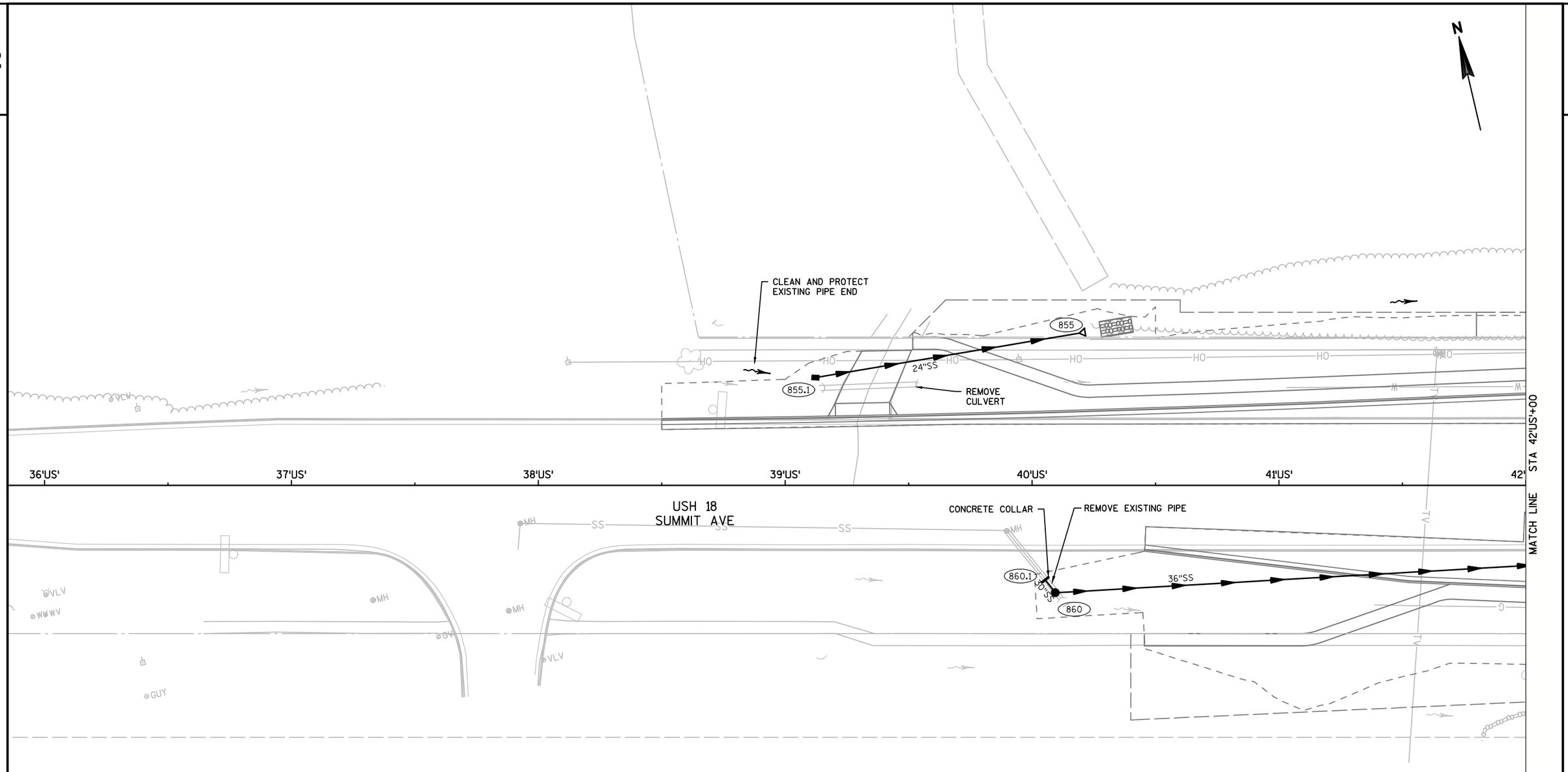
1000
996
992
988
984
980
976
972
968
964

2

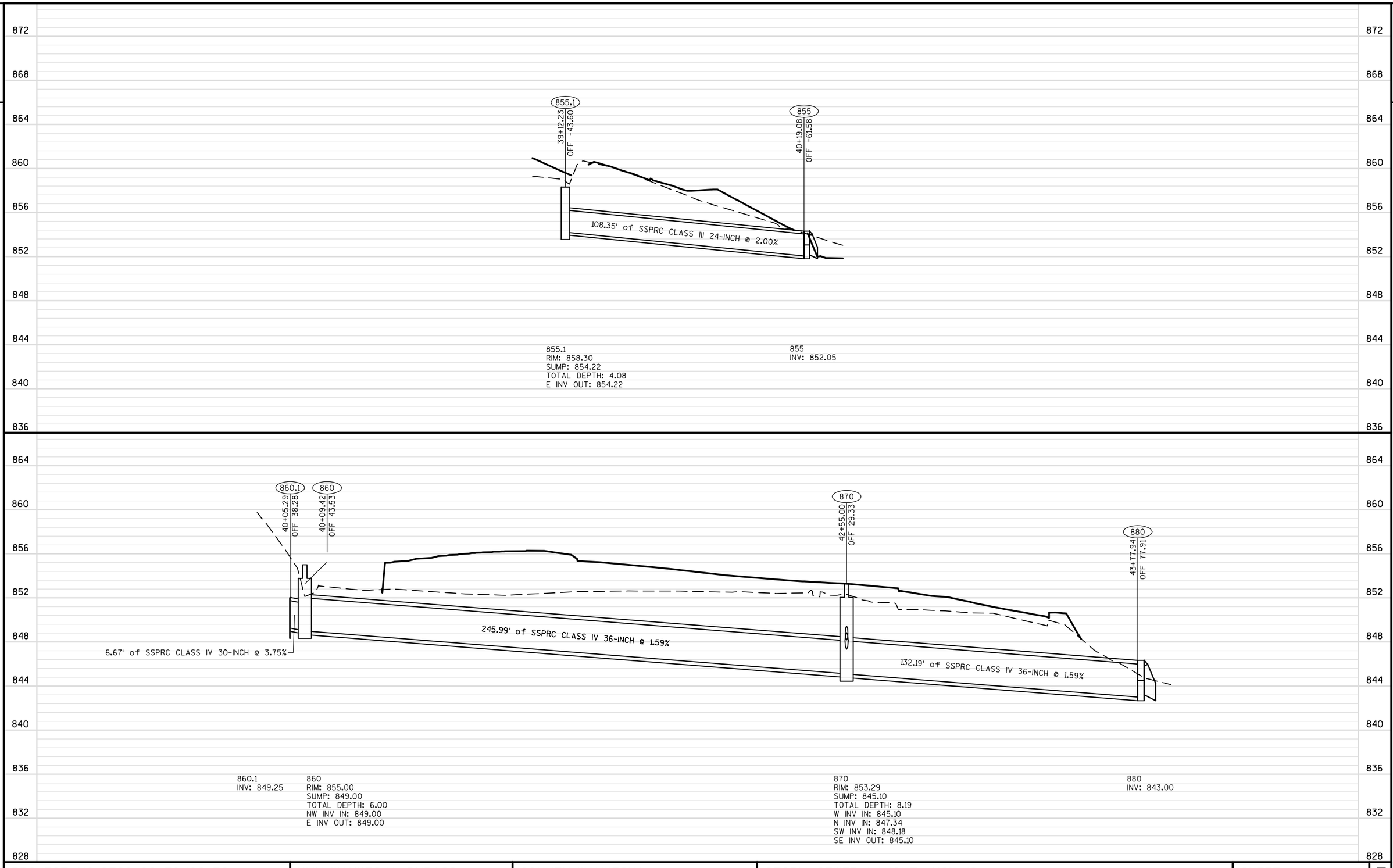
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: WAUKESHA BYPASS	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022501-SS.DWG
LAYOUT NAME - 27880072_022501-SS - SHEET-15-B
PLOT DATE : 8/1/2016 8:36 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (01-B)
PLOT DATE : 8/1/2016 8:38 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

TORHORST ROAD

11'TU'

10'TU'

10'TU'

9'TU'

STA 43'US'+20, 80' LT
8" WM OFFSET

REMOVE
CULVERTS

INSULATE WM
(4'X16'X2")

CPRC CLASS III 30-INCH

1100

1110

1270

1290

REMOVE
CULVERTS

CPRC CLASS III 60-INCH

CPRC CLASS III 60-INCH

USH 18
SUMMIT AVE

REMOVE
CULVERT

REMOVE
CB & SS

TURNBERRY
OAK DRIVE

1280

1300

880

895

ST

ST

870.2

870.1

870

870.4

870.3

890.3

890.4

890.2

890.1

890.5

890

900.3

900.5

900.2

900.1

900.4

900

36"SS

15"SS

15"SS

18"SS

18"SS

18"SS

15"SS

15"SS

15"SS

15"SS

15"SS

24"SS

MATCH LINE

STA 42'US'+00

STA 48'US'+00

42'US'

43'US'

44'US'

45'US'

46'US'

47'US'

48'US'

PRIVATE
STORMWATER
POND

PRIVATE
STORMWATER
POND

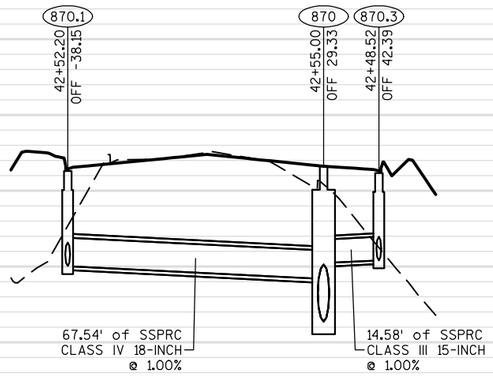
PRIVATE
STORMWATER
POND

BLDG

MH

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

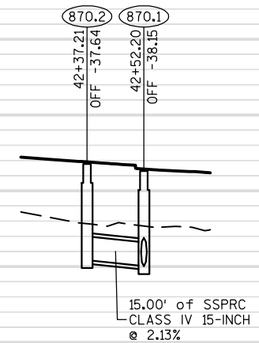
FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (02-A)
PLOT DATE : 8/1/2016 8:38 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



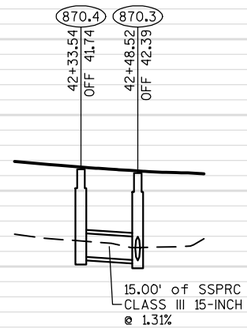
870.1
RIM: 853.04
SUMP: 848.02
TOTAL DEPTH: 5.02
W INV IN: 848.02
S INV OUT: 848.02

870
RIM: 853.29
SUMP: 845.10
TOTAL DEPTH: 8.19
W INV IN: 845.10
N INV IN: 847.34
SW INV IN: 848.18
SE INV OUT: 845.10

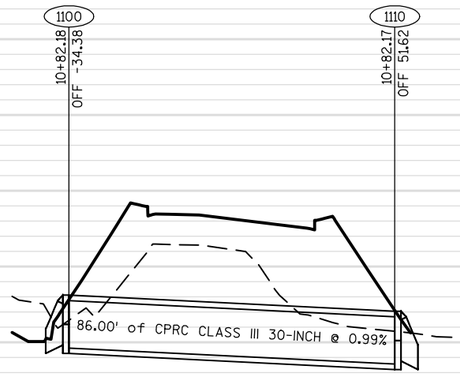
870.3
RIM: 852.94
SUMP: 848.32
TOTAL DEPTH: 4.61
W INV IN: 848.32
NE INV OUT: 848.32



870.2
RIM: 853.41
SUMP: 848.34
TOTAL DEPTH: 5.07
E INV OUT: 848.34

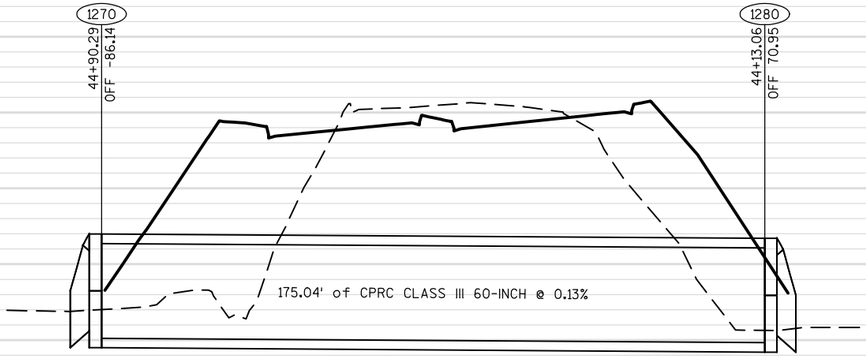


870.4
RIM: 853.14
SUMP: 848.52
TOTAL DEPTH: 4.62
E INV OUT: 848.52



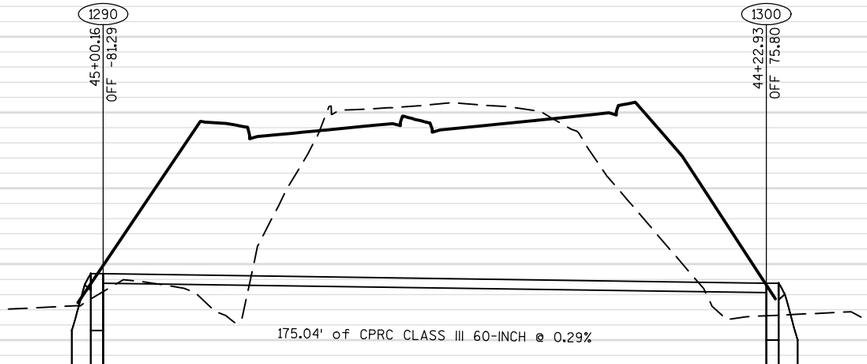
1100
INV: 843.70

1110
INV: 842.85



1270
INV: 840.09

1280
INV: 839.86

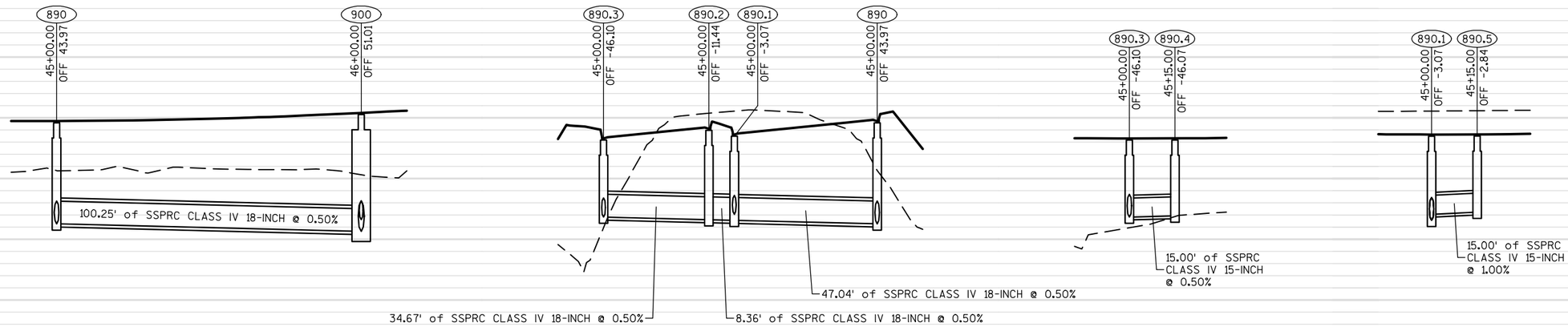


1290
INV: 838.00

1300
INV: 837.50

PROJECT NO:2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (02-B)
PLOT DATE : 8/1/2016 8:38 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



890
RIM: 851.67
SUMP: 845.01
TOTAL DEPTH: 6.65
N INV IN: 845.01
E INV OUT: 845.02

900
RIM: 852.21
SUMP: 844.51
TOTAL DEPTH: 7.69
W INV IN: 844.51
NE INV IN: 845.29
SW INV OUT: 844.51

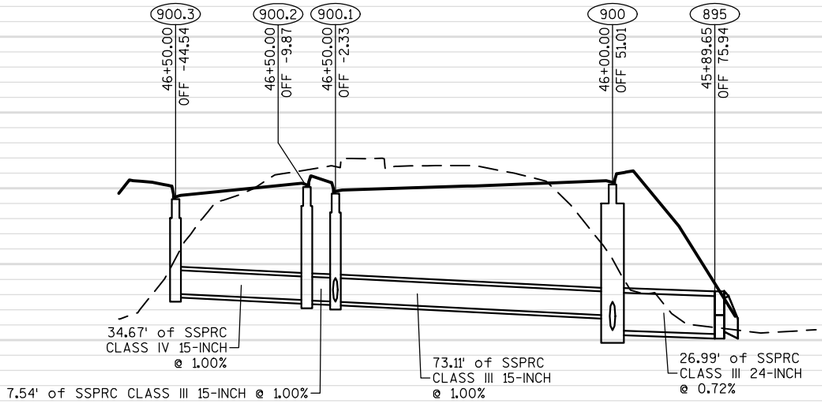
890.3
RIM: 850.53
SUMP: 845.46
TOTAL DEPTH: 5.06
E INV IN: 845.46
S INV OUT: 845.46

890.2
RIM: 851.17
SUMP: 845.29
TOTAL DEPTH: 5.87
N INV IN: 845.29
S INV OUT: 845.29

890.1
RIM: 850.78
SUMP: 845.25
TOTAL DEPTH: 5.53
N INV IN: 845.25
E INV IN: 845.64
S INV OUT: 845.25

890.4
RIM: 850.54
SUMP: 845.54
TOTAL DEPTH: 5.00
W INV OUT: 845.54

890.5
RIM: 850.79
SUMP: 845.79
TOTAL DEPTH: 5.00
W INV OUT: 845.79



900.3
RIM: 851.44
SUMP: 846.44
TOTAL DEPTH: 5.00
S INV OUT: 846.44

900.2
RIM: 852.08
SUMP: 846.09
TOTAL DEPTH: 5.98
N INV IN: 846.09
S INV OUT: 846.09

900.1
RIM: 851.73
SUMP: 846.02
TOTAL DEPTH: 5.71
N INV IN: 846.02
E INV IN: 846.02
SW INV OUT: 846.02

895
INV: 844.32

900.4
RIM: 853.49
SUMP: 847.85
TOTAL DEPTH: 5.64
N INV IN: 847.85
W INV OUT: 847.85

900.5
RIM: 853.16
SUMP: 848.27
TOTAL DEPTH: 4.89
S INV OUT: 848.27

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

2

2

N

CTH TT
MEADOWBROOK RD

284'WB'

283'WB'

282'WB'

281'WB'

CTH TT
MERRILL HILLS RD

USH 18
SUMMIT AVE

USH 18
SUMMIT AVE

MATCH LINE STA 48'US'+00

MATCH LINE STA 54'US'+00

48'US'

49'US'

50'US'

51'US'

52'US'

53'US'

54'US'

370

370.1

370.2

370.3

15"SS

300

300.1

300.2

REMOVE CULVERT

REMOVE CB & SS

REMOVE CB & SS

REMOVE CULVERT

290

290.1

290.2

290.3

290.4

290.5

290.6

290.7

275

275.1

275.2

275.3

275.4

920

920.1

920.2

920.3

920.4

920.5

920.6

920.7

920.8

910

15"SS

18"SS

24"SS

ST

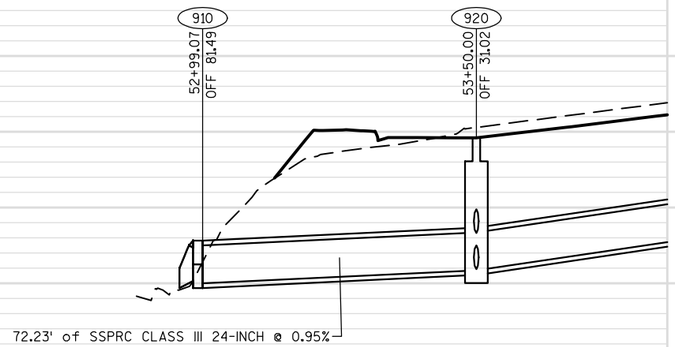
GUY

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (03-A)

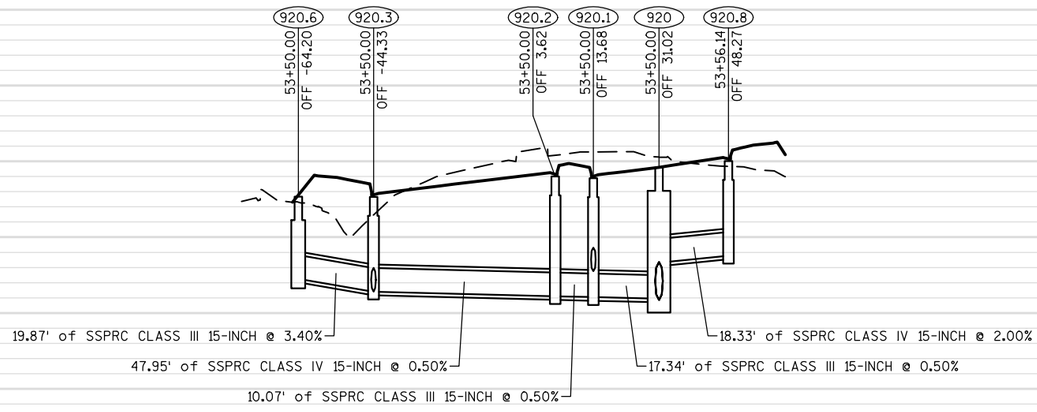
PLOT DATE : 8/1/2016 8:39 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



910
INV: 856.00

920
RIM: 863.68
SUMP: 856.69
TOTAL DEPTH: 7.00
E INV IN: 856.69
N INV IN: 856.75
S INV IN: 858.65
SW INV OUT: 856.69



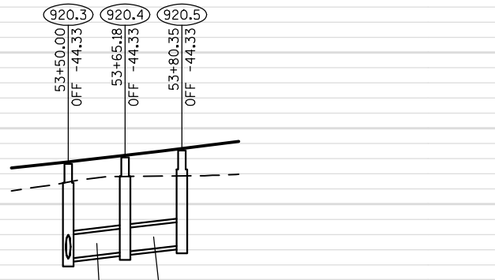
920.6
RIM: 862.14
SUMP: 857.80
TOTAL DEPTH: 4.35
S INV OUT: 857.80

920.3
RIM: 862.13
SUMP: 857.12
TOTAL DEPTH: 5.00
N INV IN: 857.12
E INV IN: 857.12
S INV OUT: 857.12

920.2
RIM: 863.21
SUMP: 856.88
TOTAL DEPTH: 6.33
N INV IN: 856.88
S INV OUT: 856.88

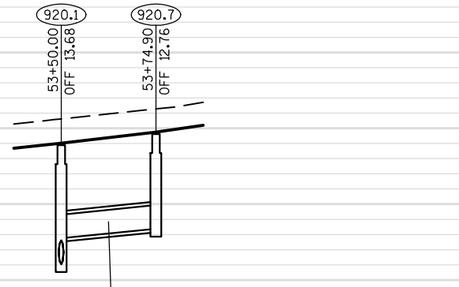
920.1
RIM: 863.11
SUMP: 856.83
TOTAL DEPTH: 6.27
N INV IN: 856.83
E INV IN: 858.20
S INV OUT: 856.83

920.8
RIM: 864.02
SUMP: 859.02
TOTAL DEPTH: 5.00
N INV OUT: 859.02



920.4
RIM: 862.48
SUMP: 857.48
TOTAL DEPTH: 5.00
E INV IN: 857.48
W INV OUT: 857.48

920.5
RIM: 862.83
SUMP: 857.83
TOTAL DEPTH: 5.00
W INV OUT: 857.83



920.7
RIM: 863.70
SUMP: 858.70
TOTAL DEPTH: 5.00
W INV OUT: 858.70

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (03-B)
PLOT DATE : 8/1/2016 8:39 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

USH 18
SUMMIT AVE

STA 54'US'+00

STA 60'US'+00

MATCH LINE

MATCH LINE

54'US'

55'US'

56'US'

57'US'

58'US'

59'US'

60'

STA 56'US'+05, 25' RT
12" WM OFFSET

REMOVE
CULVERT

REMOVE
CULVERT

REMOVE
CULVERT

24"SS

24"SS

24"SS

15"SS

930

930.1

930.2

10

10

11

9

SIGN

SIGN

SIGN

SIGN POST

SIGN POST

G

OH

W

E

GUY

VLV

GV

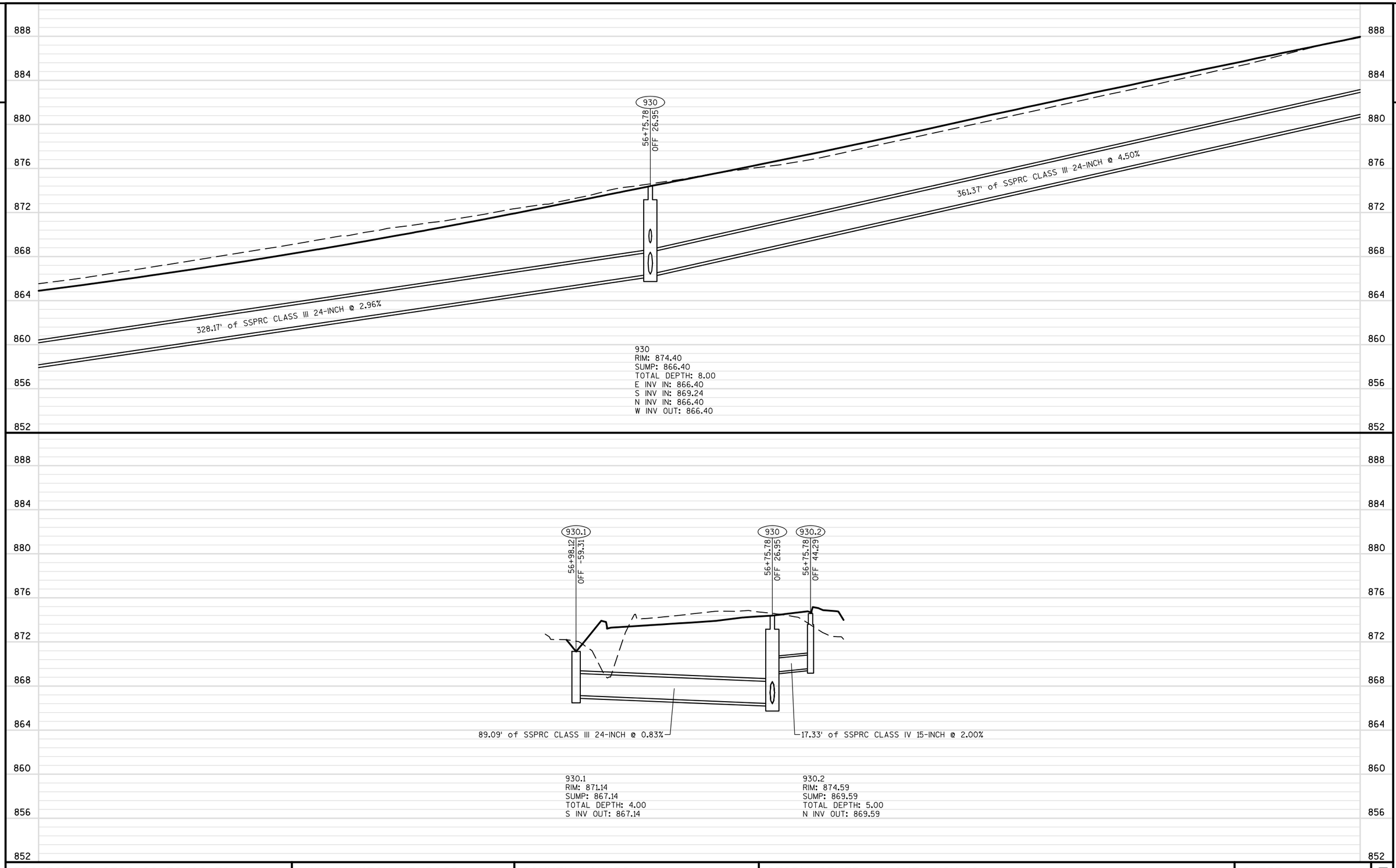
WV

MH

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (04-A)

PLOT DATE : 8/1/2016 8:39 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO:2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (04-B)
PLOT DATE : 8/1/2016 8:40 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STA 60'US'+00

61'US'

62'US'

63'US'

64'US'

65'US'

66'US'

USH 18
SUMMIT AVE

MATCH LINE

940

24"SS

15"SS

940.1

18"SS

950

950.1

18"SS

REMOVE
EXISTING PIPE

CONCRETE COLLAR

SIGN

SIGN

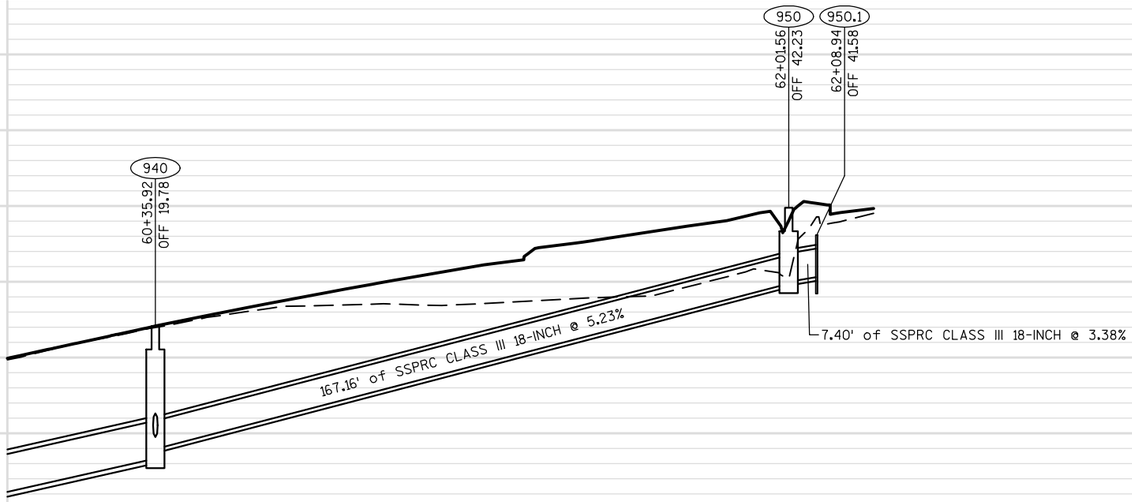
10

9

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: USH 18	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-01 - USH18 (05-A)

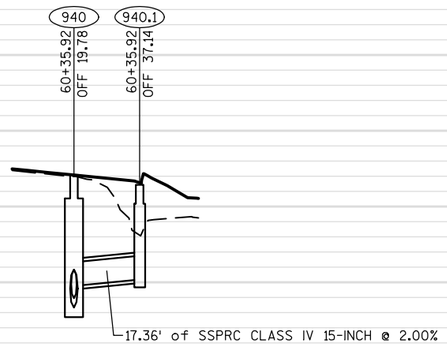
PLOT DATE : 8/1/2016 8:40 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



940
RIM: 889.66
SUMP: 882.66
TOTAL DEPTH: 7.00
E INV IN: 883.16
S INV IN: 883.80
W INV OUT: 882.66

950
RIM: 895.90
SUMP: 891.90
TOTAL DEPTH: 4.00
E INV IN: 892.00
W INV OUT: 891.90

950.1
INV: 892.25



940.1
RIM: 889.15
SUMP: 884.15
TOTAL DEPTH: 5.00
N INV OUT: 884.15

2

2

N

NORTHVIEW RD

43'NV'

44'NV'

45'NV'

46'NV'

47'

STA 47'NV'+00

MATCH LINE

1120

1130

PACS 17X13-INCH

REMOVE CULVERT

REMOVE CULVERT

RACS 17X13-INCH

1320

1310

WELL

GUY

OH

G

SAN

MH

HO

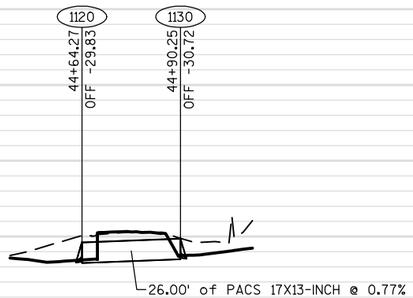
T

E

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

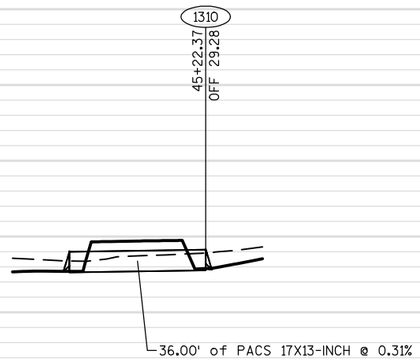
FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (01-A)

PLOT DATE : 8/1/2016 8:41 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



1120
INV: 994.60

1130
INV: 994.80



1310
INV: 994.22

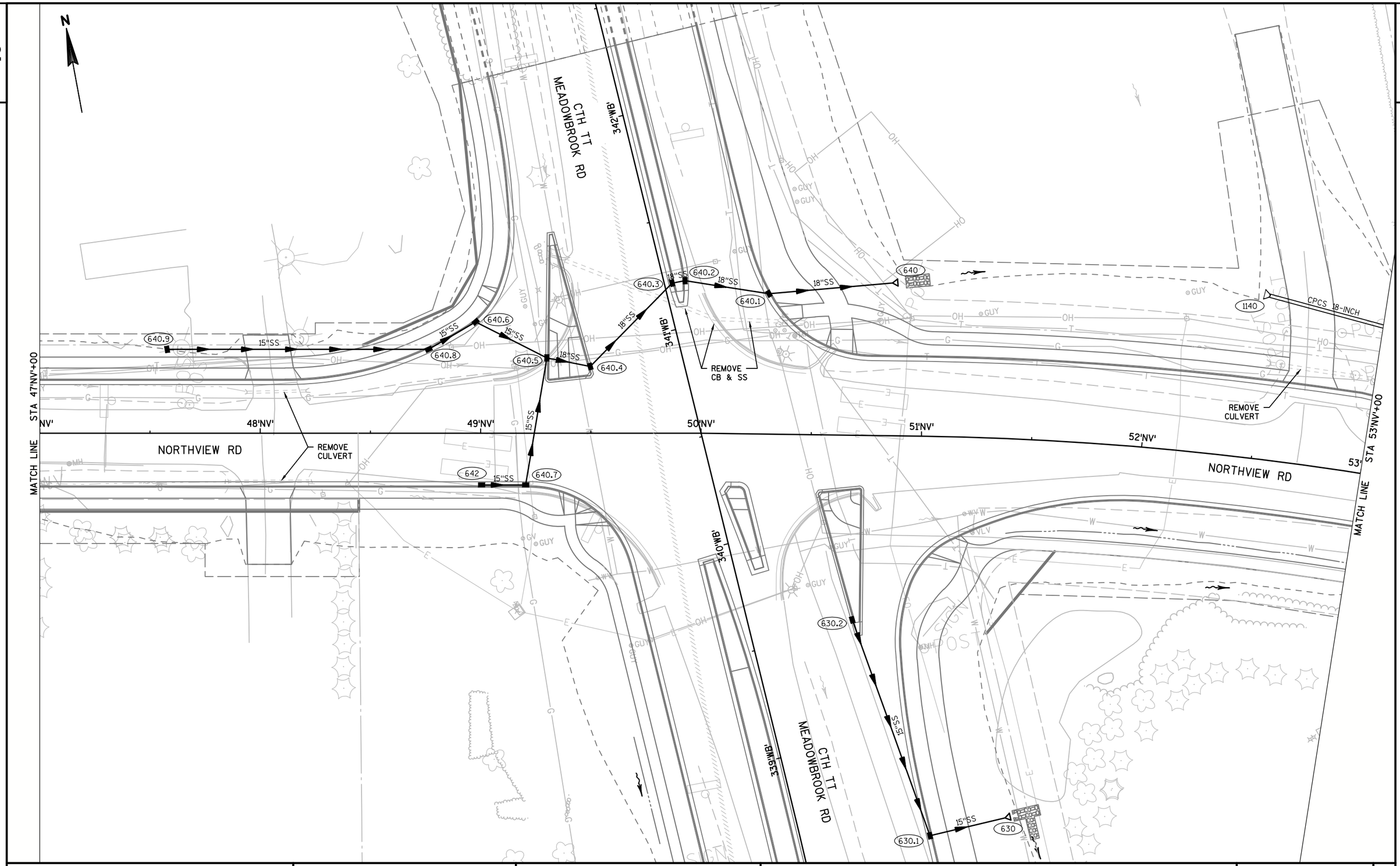
1012
1008
1004
1000
996
992
988
984
980
976

2

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

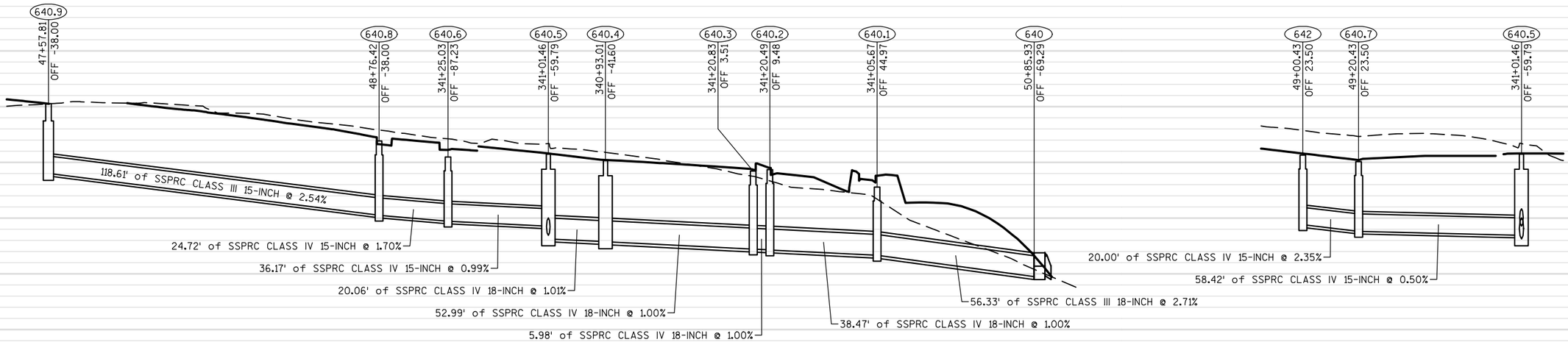
FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (01-B)
PLOT DATE : 8/1/2016 8:41 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (02-A)
PLOT DATE : 8/1/2016 8:41 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



640.9
RIM: 996.21
SUMP: 991.21
TOTAL DEPTH: 5.00
E INV OUT: 991.21

640.8
RIM: 993.53
SUMP: 988.20
TOTAL DEPTH: 5.33
W INV IN: 988.20
E INV OUT: 988.20

640.6
RIM: 992.38
SUMP: 987.78
TOTAL DEPTH: 4.60
W INV IN: 987.78
SE INV OUT: 987.78

640.5
RIM: 992.58
SUMP: 986.51
TOTAL DEPTH: 6.08
NW INV IN: 987.42
S INV IN: 986.76
E INV OUT: 986.51

640.4
RIM: 992.12
SUMP: 986.30
TOTAL DEPTH: 5.82
W INV IN: 986.31
NE INV OUT: 986.30

640.3
RIM: 991.37
SUMP: 985.77
TOTAL DEPTH: 5.59
SW INV IN: 985.77
E INV OUT: 985.77

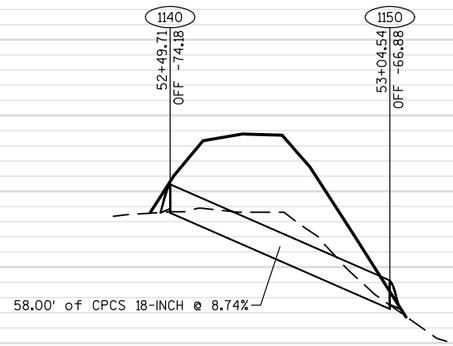
640.2
RIM: 991.49
SUMP: 985.71
TOTAL DEPTH: 5.77
W INV IN: 985.71
E INV OUT: 985.71

640.1
RIM: 990.22
SUMP: 985.33
TOTAL DEPTH: 4.89
W INV IN: 985.33
E INV OUT: 985.33

640
INV: 983.80

642
RIM: 992.52
SUMP: 987.52
TOTAL DEPTH: 5.00
E INV OUT: 987.52

640.7
RIM: 992.05
SUMP: 987.05
TOTAL DEPTH: 5.00
W INV IN: 987.05
N INV OUT: 987.05



1140
INV: 974.87

1150
INV: 969.80

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (02-B)
PLOT DATE : 8/1/2016 8:42 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

STA 53'NV'+00

MATCH LINE

53'NV'

54'NV'

55'NV'

56'NV'

57'NV'

58'NV'

59'NV'

NORTHVIEW RD

18"SS

STA 53'NV'+50, 35' RT
12" WM OFFSET

INSULATE WM
(4'X8'X2")

1150

635

635.1

636.1

15"SS

636

INSULATE WM
(4'X20'X2")

HO

G

W

WV

GV

MH

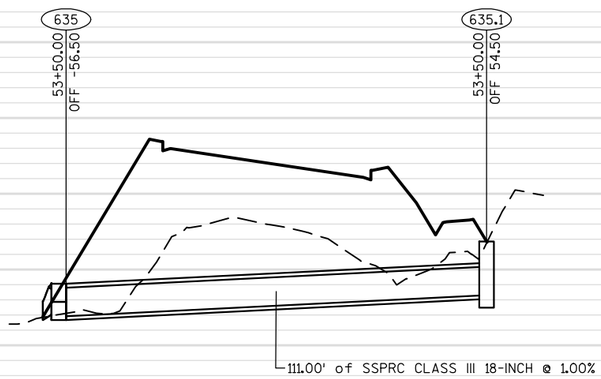
GUY

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (03-A)

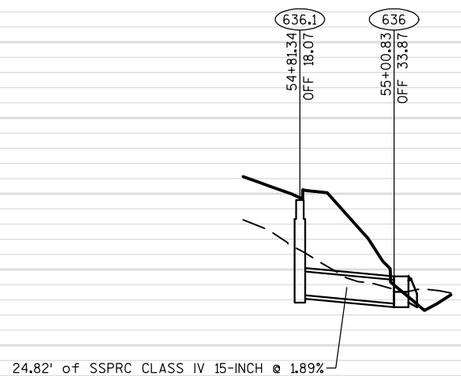
PLOT DATE : 8/1/2016 8:42 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



635
INV: 965.54

635.1
RIM: 969.48
SUMP: 966.65
TOTAL DEPTH: 2.83
N INV OUT: 966.65



636.1
RIM: 963.67
SUMP: 958.67
TOTAL DEPTH: 5.00
SE INV OUT: 958.67

636
INV: 958.20

PROJECT NO:2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER LAYOUT: NORTHVIEW ROAD	SHEET	E

FILE NAME : S:\CURRPROJ\WAUKESHA COUNTY\WAUKESHA_BYPASS\CIVIL3D\27880072\SHEETSPLAN\27880072_022502-SS.DWG
LAYOUT NAME - 27880072_022502-SS - SHEET-02 - NORTHVIEW (03-B)
PLOT DATE : 8/1/2016 8:42 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
250	AL_WB	274+06.08	-67.53	LT	MANHOLES 5-J	859.80	855.08	4.72'	0.00'	250.3-250 IN 250.1-250 IN 250.2-250 IN 250-260 OUT	W E S N	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH SSPRC CLASS IV 18-INCH	855.14 855.08 855.08 855.08	FROM STR: 250.3 FROM STR: 250.1 FROM STR: 250.2 TO STR: 260	-- -- -- 81.02'	-- -- -- 0.30%	
250.1	AL_WB	274+12.17	-49.28	LT	INLETS 2X3-HM-GJ-S	859.07	855.18	3.89'	0.00'	250.1-250 OUT	W	SSPRC CLASS III 15-INCH	855.18	TO STR: 250	19.24'	0.50%	
250.2	AL_WB	273+75.12	-67.68	LT	APRON ENDWALLS FOR CPRC 18-INCH					250.2-250 OUT	N	SSPRC CLASS III 18-INCH	855.17	TO STR: 250	30.96'	0.30%	PIPE GRATE REQUIRED
250.3	AL_WB	274+04.85	-85.21	LT	CONCRETE COLLAR					250.3-250 OUT	E	SSPRC CLASS III 12-INCH	855.23	TO STR: 250	17.71'	0.49%	CONNECT TO EXIST PIPE
260	AL_WB	274+86.71	-75.53	LT	INLETS 5-HM-GJ	859.23	854.84	4.39'	0.00'	250-260 IN 260.2-260 IN 260-270 OUT	S W N	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 24-INCH	854.84 855.08 854.84	FROM STR: 250 FROM STR: 260.2 TO STR: 270	-- -- 38.73'	-- -- 0.30%	
260.1	AL_FC	48+90.65	18.50	RT	INLETS 2X3-H	859.44	855.81	3.63'	0.00'	260.6-260.1 IN 260.1-260.2 OUT	W N	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	856.25 855.81	FROM STR: 260.6 TO STR: 260.2	-- 37.46'	-- 1.00%	
260.2	AL_FC	48+90.65	-18.96	LT	INLETS 2X3-HM-GJ-S	859.44	855.43	4.01'	0.00'	260.1-260.2 IN 260.2-260 OUT	S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	855.43 855.43	FROM STR: 260.1 TO STR: 260	-- 35.73'	-- 1.00%	
260.6	AL_FC	48+83.33	18.50	RT	CONCRETE COLLAR					260.6-260.1 OUT	E	SSPRC CLASS IV 15-INCH	856.30	TO STR: 260.1	7.31'	0.68%	CONNECT TO EXIST PIPE
270	AL_WB	275+25.33	-78.38	LT	APRON ENDWALLS FOR CPRC 24-INCH					260-270 IN	S	SSPRC CLASS IV 24-INCH	854.72	FROM STR: 260	--	--	PIPE GRATE REQUIRED
271	AL_WB	275+33.72	-70.02	LT	APRON ENDWALLS FOR CPRC 15-INCH					271.1-271 IN	E	SSPRC CLASS IV 15-INCH	855.18	FROM STR: 271.1	--	--	PIPE GRATE REQUIRED
271.1	AL_WB	275+25.00	2.33	RT	INLETS 2X3-HM-GJ	859.24	855.60	3.63'	0.00'	271.2-271.1 IN 271.1-271 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	855.60 855.60	FROM STR: 271.2 TO STR: 271	-- 72.88'	-- 0.58%	
271.2	AL_WB	275+25.00	9.67	RT	INLETS 2X3-HM-GJ	859.48	855.64	3.84'	0.00'	271.3-271.2 IN 271.2-271.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	855.64 855.64	FROM STR: 271.3 TO STR: 271.1	-- 7.33'	-- 0.50%	
271.3	AL_WB	275+25.00	48.33	RT	INLETS 2X3-HM-GJ	859.40	855.83	3.56'	0.00'	271.3-271.2 OUT	W	SSPRC CLASS IV 15-INCH	855.83	TO STR: 271.2	38.67'	0.50%	
272	AL_WB	273+75.00	86.71	RT	APRON ENDWALLS FOR CPRC 18-INCH					272.1-272 IN	W	SSPRC CLASS IV 18-INCH	855.05	FROM STR: 272.1	--	--	PIPE GRATE REQUIRED
272.1	AL_WB	273+75.00	57.33	RT	INLETS 5-HM-GJ-S	858.58	855.20	3.38'	0.00'	272.2-272.1 IN 272.5-272.1 IN 272.1-272 OUT	W S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	855.20 855.20 855.20	FROM STR: 272.2 FROM STR: 272.5 TO STR: 272	-- -- 29.38'	-- -- 0.50%	
272.2	AL_WB	273+75.00	-2.33	LT	INLETS 5-HM-GJ-S	858.72	855.38	3.35'	0.00'	272.3-272.2 IN 272.6-272.2 IN 272.2-272.1 OUT	W S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	855.38 855.38 855.38	FROM STR: 272.3 FROM STR: 272.6 TO STR: 272.1	-- -- 59.67'	-- -- 0.30%	
272.3	AL_WB	273+75.00	-9.67	LT	INLETS 5-HM-GJ-S	858.90	855.41	3.48'	0.00'	272.4-272.3 IN 272.3-272.2 OUT	S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	855.75 855.41	FROM STR: 272.4 TO STR: 272.2	-- 7.33'	-- 0.50%	
272.4	AL_WB	273+60.00	-9.67	LT	INLETS 2X3-COVER PLATE	857.88	855.82	2.06'	0.00'	272.4-272.3 OUT	N	SSPRC CLASS IV 15-INCH	855.82	TO STR: 272.3	15.00'	0.50%	NO CASTING REQUIRED
272.5	AL_WB	273+60.00	57.33	RT	INLETS 2X3-COVER PLATE	856.96	854.77	2.19'	0.00'	272.5-272.1 OUT	N	SSPRC CLASS IV 15-INCH	855.27	TO STR: 272.1	15.00'	0.50%	NO CASTING REQUIRED
272.6	AL_WB	273+60.00	-2.33	LT	INLETS 2X3-COVER PLATE	857.78	855.45	2.33'	0.00'	272.6-272.2 OUT	N	SSPRC CLASS IV 15-INCH	855.45	TO STR: 272.2	15.00'	0.50%	NO CASTING REQUIRED
275	AL_WB	280+70.83	-64.95	LT	APRON ENDWALLS FOR CPRC 15-INCH					275.1-275 IN	E	SSPRC CLASS IV 15-INCH	853.81	FROM STR: 275.1	--	--	PIPE GRATE REQUIRED
275.1	AL_WB	280+80.00	-11.47	LT	INLETS 2X3-HM-GJ	858.31	854.08	4.23'	0.00'	275.2-275.1 IN 275.3-275.1 IN 275.1-275 OUT	E N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	854.08 854.08 854.08	FROM STR: 275.2 FROM STR: 275.3 TO STR: 275	-- -- 54.27'	-- -- 0.50%	
275.2	AL_WB	280+80.00	-2.33	LT	INLETS 2X3-HM-GJ	858.52	854.12	4.40'	0.00'	275.2-275.1 OUT	W	SSPRC CLASS IV 15-INCH	854.12	TO STR: 275.1	9.13'	0.50%	
275.3	AL_WB	281+63.18	-13.67	LT	INLETS 2X3-HM-GJ	857.71	854.49	3.21'	0.00'	275.4-275.3 IN 275.3-275.1 OUT	E S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	854.49 854.49	FROM STR: 275.4 TO STR: 275.1	-- 83.21'	-- 0.50%	
275.4	AL_WB	281+63.43	-6.71	LT	INLETS 2X3-HM-GJ	857.71	854.53	3.19'	0.00'	275.4-275.3 OUT	W	SSPRC CLASS IV 15-INCH	854.53	TO STR: 275.3	6.96'	0.50%	
290	AL_WB	280+91.22	102.46	RT	APRON ENDWALLS FOR CPRC 18-INCH					290.1-290 IN	NW	SSPRC CLASS IV 18-INCH	854.00	FROM STR: 290.1	--	--	PIPE GRATE REQUIRED
290.1	AL_WB	281+09.05	93.77	RT	MANHOLES 4-J	858.81	854.10	4.71'	0.00'	290.2-290.1 IN 290.4-290.1 IN 290.1-290 OUT	NW N SE	SSPRC CLASS IV 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS IV 18-INCH	854.10 854.35 854.10	FROM STR: 290.2 FROM STR: 290.4 TO STR: 290	-- -- 19.84'	-- -- 0.50%	
290.2	AL_WB	281+30.96	75.90	RT	INLETS 2X3-HM-GJ-S	858.39	854.24	4.15'	0.00'	290.3-290.2 IN 290.2-290.1 OUT	NW SE	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	854.49 854.24	FROM STR: 290.3 TO STR: 290.1	-- 28.27'	-- 0.50%	
290.3	AL_WB	281+57.96	49.04	RT	INLETS 2X3-HM-GJ	858.55	854.68	3.87'	0.00'	290.3-290.2 OUT	SE	SSPRC CLASS IV 15-INCH	854.68	TO STR: 290.2	38.09'	0.50%	
290.4	AL_US	51+22.90	67.51	RT	INLETS 2X3-HM-GJ-S	859.00	854.65	4.35'	0.00'	290.5-290.4 IN 290.4-290.1 OUT	NW S	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	854.65 854.65	FROM STR: 290.5 TO STR: 290.1	-- 60.13'	-- 0.50%	

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES, THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
290.5	AL_US	50+94.13	17.73	RT	INLETS 2X3-HM-GJ	858.70	854.94	3.76'	0.00'	290.6-290.5 IN 290.7-290.5 IN 290.5-290.4 OUT	N E SE	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	854.94 854.94 854.94	FROM STR: 290.6 FROM STR: 290.7 TO STR: 290.4	-- -- 57.66'	-- -- 0.50%	
290.6	AL_US	50+94.00	10.44	RT	INLETS 2X3-HM-GJ	858.98	854.98	4.00'	0.00'	290.6-290.5 OUT	S	SSPRC CLASS IV 15-INCH	854.98	TO STR: 290.5	7.29'	0.50%	
290.7	AL_US	51+14.04	17.39	RT	INLETS 2X3-HM-GJ	858.96	855.04	3.92'	0.00'	290.7-290.5 OUT	W	SSPRC CLASS IV 15-INCH	855.04	TO STR: 290.5	20.00'	0.50%	
300	AL_US	50+83.53	-46.60	LT	INLETS 2X3-HM-GJ	857.88	852.94	4.94'	0.00'	300.1-300 IN 300-310 OUT	E N	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	852.94 852.94	FROM STR: 300.1 TO STR: 310	-- 167.10'	-- 1.44%	
300.1	AL_US	51+03.59	-44.33	LT	INLETS 2X3-HM-GJ	858.09	853.09	5.01'	0.00'	300.2-300.1 IN 300.1-300 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	853.09 853.09	FROM STR: 300.2 TO STR: 300	-- 19.96'	-- 0.75%	
300.2	AL_US	51+23.92	-44.33	LT	INLETS 2X3-HM-GJ	858.29	853.29	5.00'	0.00'	300.2-300.1 OUT	W	SSPRC CLASS IV 15-INCH	853.29	TO STR: 300.1	20.09'	1.00%	
310	AL_WB	284+50.00	80.87	RT	INLETS MEDIAN 1G-MS	854.47	850.28	4.19'	0.00'	300-310 IN 310.1-310 IN 310-320 OUT	S W N	SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 18-INCH	850.53 850.28 850.28	FROM STR: 300 FROM STR: 310.1 TO STR: 320	-- -- 150.07'	-- -- 0.50%	
310.1	AL_WB	284+50.00	11.17	RT	INLETS 2X3-HM-GJ	855.63	850.63	5.00'	0.00'	310.2-310.1 IN 310.1-310 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	850.63 850.63	FROM STR: 310.2 TO STR: 310	-- 69.70'	-- 0.50%	
310.2	AL_WB	284+50.00	2.33	RT	INLETS 2X3-HM-GJ	855.06	850.67	4.38'	0.00'	310.2-310.1 OUT	E	SSPRC CLASS IV 15-INCH	850.67	TO STR: 310.1	8.83'	0.50%	
320	AL_WB	286+00.00	76.23	RT	MANHOLES 4-J	856.31	849.53	6.78'	0.00'	310-320 IN 320.1-320 IN 320-325 OUT	S W N	SSPRC CLASS III 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	849.53 849.72 849.53	FROM STR: 310 FROM STR: 320.1 TO STR: 325	-- -- 201.95'	-- -- 0.50%	
320.1	AL_WB	286+00.00	56.28	RT	INLETS 2X3-HM-GJ	855.23	849.82	5.40'	0.00'	320.2-320.1 IN 320.1-320 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	849.82 849.82	FROM STR: 320.2 TO STR: 320	-- 19.96'	-- 0.50%	
320.2	AL_WB	286+00.00	6.42	RT	INLETS 2X3-HM-GJ	854.28	850.07	4.21'	0.00'	320.3-320.2 IN 320.2-320.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	850.07 850.07	FROM STR: 320.3 TO STR: 320.1	-- 49.85'	-- 0.50%	
320.3	AL_WB	286+00.00	-1.12	LT	INLETS 2X3-HM-GJ	853.96	850.11	3.85'	0.00'	320.3-320.2 OUT	E	SSPRC CLASS IV 15-INCH	850.11	TO STR: 320.2	7.54'	0.50%	
325	AL_WB	288+00.00	79.90	RT	MANHOLES 5-J	855.13	848.12	7.01'	0.00'	320-325 IN 325.1-325 IN 325-330 OUT	S W N	SSPRC CLASS III 18-INCH SSPRC CLASS IV 24-INCH SSPRC CLASS III 30-INCH	848.52 848.12 848.12	FROM STR: 320 FROM STR: 325.1 TO STR: 330	-- -- 31.10'	-- -- 0.50%	
325.1	AL_WB	288+00.00	57.33	RT	INLETS 2X3-HM-GJ-S	853.78	848.24	5.54'	0.00'	325.2-325.1 IN 325.1-325 OUT	W E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 24-INCH	848.24 848.24	FROM STR: 325.2 TO STR: 325	-- 22.57'	-- 0.50%	
325.2	AL_WB	288+00.00	-2.33	LT	INLETS 2X3-HM-GJ-S	852.65	848.54	4.11'	0.00'	325.5-325.2 IN 325.3-325.2 IN 325.2-325.1 OUT	N W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	848.93 848.54 848.54	FROM STR: 325.5 FROM STR: 325.3 TO STR: 325.1	-- -- 59.67'	-- -- 0.50%	
325.3	AL_WB	288+00.00	-9.67	LT	INLETS 2X3-HM-GJ-S	852.77	848.57	4.20'	0.00'	325.4-325.3 IN 325.3-325.2 OUT	N E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	848.97 848.57	FROM STR: 325.4 TO STR: 325.2	-- 7.33'	-- 0.50%	
325.4	AL_WB	288+21.03	-9.03	LT	INLETS 2X3-HM-GJ-S	853.12	849.07	4.05'	0.00'	325.4-325.3 OUT	S	SSPRC CLASS IV 15-INCH	849.07	TO STR: 325.3	21.01'	0.48%	
325.5	AL_WB	288+21.01	-3.21	LT	INLETS 2X3-HM-GJ-S	853.17	849.04	4.14'	0.00'	325.5-325.2 OUT	S	SSPRC CLASS IV 15-INCH	849.04	TO STR: 325.2	21.02'	0.50%	
330	AL_DW	50+82.59	34.22	RT	INLETS 5-HM-GJ	854.04	847.97	6.07'	0.00'	325-330 IN 330-340 OUT	S N	SSPRC CLASS III 30-INCH SSPRC CLASS IV 30-INCH	847.97 847.97	FROM STR: 325 TO STR: 340	-- 72.06'	-- 0.50%	
340	AL_DW	50+80.90	-37.82	LT	INLETS 5-HM-GJ	854.24	847.61	6.63'	0.00'	330-340 IN 340-350 OUT	S N	SSPRC CLASS IV 30-INCH SSPRC CLASS III 30-INCH	847.61 847.61	FROM STR: 330 TO STR: 350	-- 35.19'	-- 0.36%	
350	AL_WB	289+36.76	83.82	RT	MANHOLES 6-J	854.00	847.48	6.52'	0.00'	340-350 IN 350.1-350 IN 350-360 OUT	S SW N	SSPRC CLASS III 30-INCH SSPRC CLASS IV 18-INCH SSPRC CLASS III 30-INCH	847.48 847.80 847.48	FROM STR: 340 FROM STR: 350.1 TO STR: 360	-- -- 51.41'	-- -- 0.36%	
350.1	AL_WB	289+26.91	59.44	RT	INLETS 4-HM-GJ	854.16	847.92	6.24'	0.00'	350.2-350.1 IN 350.1-350 OUT	W NE	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	847.92 847.92	FROM STR: 350.2 TO STR: 350	-- 26.33'	-- 0.46%	
350.2	AL_WB	289+26.91	8.00	RT	INLETS 2X3-HM-GJ	853.33	848.18	5.15'	0.00'	350.3-350.2 IN 350.2-350.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	848.18 848.18	FROM STR: 350.3 TO STR: 350.1	-- 51.45'	-- 0.50%	
350.3	AL_WB	289+26.91	2.76	RT	INLETS 2X3-HM-GJ	853.06	848.20	4.85'	0.00'	350.4-350.3 IN 350.6-350.3 IN 350.3-350.2 OUT	W N E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	848.20 848.20 848.20	FROM STR: 350.4 FROM STR: 350.6 TO STR: 350.2	-- -- 5.24'	-- -- 0.50%	
350.4	AL_WB	289+26.91	-57.33	LT	INLETS 2X3-HM-GJ	853.04	848.50	4.54'	0.00'	350.5-350.4 IN 350.4-350.3 OUT	N E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	848.50 848.50	FROM STR: 350.5 TO STR: 350.3	-- 60.09'	-- 0.49%	
350.5	AL_WB	289+47.07	-57.33	LT	INLETS 2X3-HM-GJ	853.29	848.70	4.59'	0.00'	350.5-350.4 OUT	S	SSPRC CLASS IV 15-INCH	848.70	TO STR: 350.4	20.00'	1.00%	
350.6	AL_WB	289+46.90	2.33	RT	INLETS 2X3-HM-GJ	853.28	848.40	4.87'	0.00'	350.6-350.3 OUT	S	SSPRC CLASS IV 15-INCH	848.40	TO STR: 350.3	20.00'	1.00%	
360	AL_WB	289+85.75	98.54	RT	APRON ENDWALLS FOR CPRC 30-INCH					350-360 IN	S	SSPRC CLASS III 30-INCH	847.30	FROM STR: 350	--	--	PIPE GRATE REQUIRED
370	AL_WB	284+49.77	-82.25	LT	APRON ENDWALLS FOR CPRC 15-INCH					370.1-370 IN	SE	SSPRC CLASS III 15-INCH	851.00	FROM STR: 370.1	--	--	PIPE GRATE REQUIRED

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES. THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
370.1	AL_WB	284+35.88	-59.70	LT	INLETS 2X3-HM-GJ	855.13	851.14	4.00'	0.00'	370.2-370.1 IN 370.1-370 OUT	S NW	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	851.14 851.14	FROM STR: 370.2 TO STR: 370	-- 26.48'	-- 0.50%	
370.2	AL_WB	283+65.09	-50.17	LT	INLETS 2X3-HM-GJ	855.78	851.49	4.29'	0.00'	370.3-370.2 IN 370.2-370.1 OUT	W N	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	851.49 851.49	FROM STR: 370.3 TO STR: 370.1	-- 71.43'	-- 0.50%	
370.3	AL_WB	283+65.43	-72.21	LT	INLETS 2X3-HM-GJ	855.32	851.60	3.71'	0.00'	370.3-370.2 OUT	E	SSPRC CLASS IV 15-INCH	851.60	TO STR: 370.2	22.05'	0.50%	
380	AL_DW	48+56.10	-26.76	LT	APRON ENDWALLS FOR CPRC 18-INCH					380.1-380 IN	E	SSPRC CLASS III 18-INCH	844.97	FROM STR: 380.1	--	--	PIPE GRATE REQUIRED
380.1	AL_DW	48+53.24	-11.52	LT	INLETS 2X3-H	849.39	845.02	4.38'	0.00'	380.2-380.1 IN 380.1-380 OUT	E W	SSPRC CLASS IV 18-INCH SSPRC CLASS III 18-INCH	845.02 845.02	FROM STR: 380.2 TO STR: 380	-- 15.59'	-- 0.30%	
380.2	AL_DW	48+48.25	12.48	RT	INLETS 2X3-H	849.46	845.10	4.37'	0.00'	380.3-380.2 IN 380.2-380.1 OUT	E W	SSPRC CLASS III 18-INCH SSPRC CLASS IV 18-INCH	845.10 845.10	FROM STR: 380.3 TO STR: 380.1	-- 24.50'	-- 0.34%	
380.3	AL_WB	288+05.47	-79.50	LT	MANHOLES 4-J	849.34	845.18	4.16'	0.00'	380.4-380.3 IN 380.6-380.3 IN 380.3-380.2 OUT	NE S W	SSPRC CLASS III 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	845.18 845.18 845.18	FROM STR: 380.4 FROM STR: 380.6 TO STR: 380.2	-- -- 29.40'	-- -- 0.27%	
380.4	AL_WB	288+26.03	-52.41	LT	INLETS 2X3-HM-GJ-S	852.57	847.50	5.07'	0.00'	380.4-380.3 OUT	SW	SSPRC CLASS III 18-INCH	847.50	TO STR: 380.3	33.90'	6.85%	
380.6	AL_WB	287+47.14	-81.03	LT	INLETS MEDIAN 2G-MS	847.62	845.35	2.27'	0.00'	380.6-380.3 OUT	N	SSPRC CLASS III 15-INCH	845.35	TO STR: 380.3	57.70'	0.30%	
400	AL_WB	292+50.00	-74.59	LT	APRON ENDWALLS FOR CPRC 15-INCH					400.1-400 IN	E	SSPRC CLASS III 15-INCH	857.00	FROM STR: 400.1	--	--	PIPE GRATE REQUIRED
400.1	AL_WB	292+50.00	-48.33	LT	INLETS 2X3-HM-GJ	860.97	857.13	3.84'	0.00'	400.2-400.1 IN 400.1-400 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	857.13 857.13	FROM STR: 400.2 TO STR: 400	-- 26.26'	-- 0.50%	
400.2	AL_WB	292+50.00	0.73	RT	INLETS 2X3-HM-GJ	860.84	857.38	3.46'	0.00'	400.3-400.2 IN 400.2-400.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	857.38 857.38	FROM STR: 400.3 TO STR: 400.1	-- 49.06'	-- 0.50%	
400.3	AL_WB	292+50.00	9.67	RT	INLETS 2X3-HM-GJ	861.05	857.42	3.63'	0.00'	400.3-400.2 OUT	W	SSPRC CLASS IV 15-INCH	857.42	TO STR: 400.2	8.94'	0.50%	
405	AL_WB	292+82.09	-76.97	LT	INLETS MEDIAN 1G-MS	859.25	853.25	6.00'	0.00'	405-405.1 OUT	S	SSPRC CLASS III 24-INCH	853.25	TO STR: 405.1	301.24'	2.90%	SEE DETAIL
405.1	AL_WB	289+84.40	-88.22	LT	MANHOLES 4-J	849.27	844.50	4.77'	0.00'	405-405.1 IN 405.1-405.2 OUT	N SW	SSPRC CLASS III 24-INCH SSPRC CLASS III 24-INCH	844.50 844.50	FROM STR: 405 TO STR: 405.2	-- 13.02'	-- 2.15%	
405.2	AL_WB	289+74.59	-96.63	LT	APRON ENDWALLS FOR CPRC 24-INCH					405.1-405.2 IN	NE	SSPRC CLASS III 24-INCH	844.22	FROM STR: 405.1	--	--	PIPE GRATE REQUIRED
410	AL_WB	295+50.00	-79.46	LT	APRON ENDWALLS FOR CPRC 15-INCH					410.1-410 IN	E	SSPRC CLASS III 15-INCH	866.94	FROM STR: 410.1	--	--	PIPE GRATE REQUIRED
410.1	AL_WB	295+50.00	-48.33	LT	INLETS 2X3-HM-GJ	873.05	867.56	5.49'	0.00'	410.2-410.1 IN 410.1-410 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	867.56 867.56	FROM STR: 410.2 TO STR: 410	-- 31.13'	-- 2.00%	
410.2	AL_WB	295+50.00	-9.67	LT	INLETS 2X3-HM-GJ	873.13	867.95	5.19'	0.00'	410.3-410.2 IN 410.2-410.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	867.95 867.95	FROM STR: 410.3 TO STR: 410.1	-- 38.67'	-- 1.00%	
410.3	AL_WB	295+50.00	9.67	RT	INLETS 2X3-HM-GJ	873.13	868.14	4.99'	0.00'	410.3-410.2 OUT	W	SSPRC CLASS IV 15-INCH	868.14	TO STR: 410.2	19.33'	1.00%	
420	AL_WB	298+22.32	-83.35	LT	APRON ENDWALLS FOR CPRC 30-INCH					430-420 IN	NE	SSPRC CLASS III 30-INCH	877.35	FROM STR: 430	--	--	PIPE GRATE REQUIRED
430	AL_WB	298+50.00	-56.00	LT	MANHOLES 5-J	886.04	877.54	8.50'	0.00'	440-430 IN 430.1-430 IN 430-420 OUT	N E SW	SSPRC CLASS III 30-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 30-INCH	879.04 879.59 877.54	FROM STR: 440 FROM STR: 430.1 TO STR: 420	-- -- 38.91'	-- -- 0.50%	
430.1	AL_WB	298+50.00	-48.33	LT	INLETS 2X3-HM-GJ	885.17	879.67	5.50'	0.00'	430.2-430.1 IN 430.1-430 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	879.67 879.67	FROM STR: 430.2 TO STR: 430	-- 7.67'	-- 1.00%	
430.2	AL_WB	298+50.00	-9.67	LT	INLETS 2X3-HM-GJ	885.25	880.06	5.19'	0.00'	430.3-430.2 IN 430.2-430.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	880.06 880.06	FROM STR: 430.3 TO STR: 430.1	-- 38.67'	-- 1.00%	
430.3	AL_WB	298+50.00	9.67	RT	INLETS 2X3-HM-GJ	885.25	880.25	5.00'	0.00'	430.3-430.2 OUT	W	SSPRC CLASS IV 15-INCH	880.25	TO STR: 430.2	19.33'	1.00%	
440	AL_WB	301+50.00	-56.00	LT	MANHOLES 5-J	898.15	891.16	6.99'	0.00'	460-440 IN 440.1-440 IN 440.7-440 IN 440-430 OUT	N E W S	SSPRC CLASS III 30-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 30-INCH	891.16 891.59 892.73 891.16	FROM STR: 460 FROM STR: 440.1 FROM STR: 440.7 TO STR: 430	-- -- -- 300.00'	-- -- -- 4.04%	
440.1	AL_WB	301+50.00	-48.33	LT	INLETS 2X3-HM-GJ	897.28	891.67	5.61'	0.00'	440.2-440.1 IN 440.5-440.1 IN 440.1-440 OUT	E N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	891.67 892.89 891.67	FROM STR: 440.2 FROM STR: 440.5 TO STR: 440	-- -- 7.67'	-- -- 1.00%	
440.2	AL_WB	301+50.00	-9.67	LT	INLETS 2X3-HM-GJ	897.36	892.06	5.30'	0.00'	440.3-440.2 IN 440.2-440.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	892.06 892.06	FROM STR: 440.3 TO STR: 440.1	-- 38.67'	-- 1.00%	
440.3	AL_WB	301+50.00	-1.51	LT	INLETS 2X3-HM-GJ	897.14	892.14	5.00'	0.00'	440.4-440.3 IN 440.6-440.3 IN 440.3-440.2 OUT	NE N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	892.14 892.78 892.14	FROM STR: 440.4 FROM STR: 440.6 TO STR: 440.2	-- -- 8.16'	-- -- 1.00%	
440.4	AL_WB	301+74.01	49.41	RT	INLETS 2X3-HM-GJ	898.23	893.23	5.00'	0.00'	440.4-440.3 OUT	SW	SSPRC CLASS IV 15-INCH	893.23	TO STR: 440.3	56.29'	1.94%	

NOTES:
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2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

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STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
440.5	AL_WB	301+70.00	-48.33	LT	INLETS 2X3-HM-GJ	898.09	893.09	5.00'	0.00'	440.5-440.1 OUT	S	SSPRC CLASS IV 15-INCH	893.09	TO STR: 440.1	20.00'	1.00%	
440.6	AL_WB	301+71.72	-2.33	LT	INLETS 2X3-HM-GJ	898.00	893.00	5.00'	0.00'	440.6-440.3 OUT	S	SSPRC CLASS IV 15-INCH	893.00	TO STR: 440.3	21.74'	1.00%	
440.7	AL_WB	301+50.00	-66.48	LT	INLETS MEDIAN 1G-MS	897.33	892.83	4.50'	0.00'	440.7-440 OUT	E	SSPRC CLASS III 15-INCH	892.83	TO STR: 440	10.48'	1.00%	
460	AL_WB	304+74.61	-56.35	LT	MANHOLES 5-J	910.79	903.46	7.33'	0.00'	470-460 IN 460.1-460 IN 460-440 OUT	N NW S	SSPRC CLASS IV 30-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 30-INCH	903.71 905.23 903.46	FROM STR: 470 FROM STR: 460.1 TO STR: 440	-- -- 324.61'	-- -- 3.79%	
460.1	AL_CC_West	49+17.97	37.50	RT	INLETS 2X3-H	911.13	906.02	5.10'	0.00'	460.2-460.1 IN 460.1-460 OUT	N SE	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	906.02 906.02	FROM STR: 460.2 TO STR: 460	-- 27.96'	-- 2.85%	
460.2	AL_CC_West	49+20.00	6.50	RT	INLETS 2X3-H-S	911.83	906.82	5.01'	0.00'	460.3-460.2 IN 460.2-460.1 OUT	NW S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	906.82 906.82	FROM STR: 460.3 TO STR: 460.1	-- 31.07'	-- 2.56%	
460.3	AL_CC_West	49+00.00	-2.50	LT	INLETS 2X3-H-S	912.20	907.27	4.93'	0.00'	460.4-460.3 IN 460.3-460.2 OUT	NW SE	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	907.27 907.27	FROM STR: 460.4 TO STR: 460.2	-- 21.93'	-- 2.06%	
460.4	AL_CC_West	48+70.61	-37.50	LT	INLETS 2X3-H-S	912.76	907.76	5.00'	0.00'	460.4-460.3 OUT	SE	SSPRC CLASS IV 15-INCH	907.76	TO STR: 460.3	45.71'	1.07%	
470	AL_WB	305+92.11	-63.89	LT	MANHOLES 5-J	915.08	907.82	7.26'	0.00'	470.2-470 IN 480-470 IN 470.1-470 IN 470-460 OUT	E N W S	SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH SSPRC CLASS III 24-INCH SSPRC CLASS IV 30-INCH	908.75 908.32 908.50 907.82	FROM STR: 470.2 FROM STR: 480 FROM STR: 470.1 TO STR: 460	-- -- -- 117.74'	-- -- -- 3.49%	
470.1	AL_WB	305+88.67	-84.79	LT	INLETS MEDIAN 2G-MS	913.10	908.69	4.41'	0.00'	470.1-470 OUT	E	SSPRC CLASS III 24-INCH	908.69	TO STR: 470	21.17'	0.90%	
470.2	AL_WB	305+94.83	-57.58	LT	INLETS 2X3-HM-GJ	915.08	908.82	6.26'	0.00'	470.3-470.2 IN 470.5-470.1 IN 470.2-470 OUT	E N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	908.82 909.96 908.82	FROM STR: 470.3 FROM STR: 470.5 TO STR: 470	-- -- 6.87'	-- -- 0.95%	
470.3	AL_WB	305+75.00	2.70	RT	INLETS 2X3-HM-GJ	914.95	909.45	5.49'	0.00'	470.4-470.3 IN 470.6-470.3 IN 470.3-470.2 OUT	E N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	909.45 909.89 909.45	FROM STR: 470.4 FROM STR: 470.6 TO STR: 470.2	-- -- 63.46'	-- -- 1.00%	
470.4	AL_WB	305+75.00	9.38	RT	INLETS 2X3-HM-GJ	914.88	909.52	5.36'	0.00'	470.4-470.3 OUT	W	SSPRC CLASS IV 15-INCH	909.52	TO STR: 470.3	6.68'	1.00%	
470.5	AL_WB	306+14.83	-57.33	LT	INLETS 2X3-HM-GJ	915.83	910.16	5.67'	0.00'	470.5-470.1 OUT	S	SSPRC CLASS IV 15-INCH	910.16	TO STR: 470.2	20.00'	1.00%	
470.6	AL_WB	305+95.00	2.33	RT	INLETS 2X3-HM-GJ	915.65	910.09	5.56'	0.00'	470.7-470.6 IN 470.6-470.3 OUT	E S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	910.09 910.09	FROM STR: 470.7 TO STR: 470.3	-- 20.00'	-- 1.00%	
470.7	AL_WB	305+95.00	9.67	RT	INLETS 2X3-HM-GJ	915.63	910.44	5.19'	0.00'	470.7-470.6 OUT	W	SSPRC CLASS IV 15-INCH	910.44	TO STR: 470.6	7.33'	4.84%	
480	AL_WB	309+00.00	-55.30	LT	MANHOLES 4-J	928.10	921.20	6.90'	0.00'	490-480 IN 480.1-480 IN 480.4-480 IN 480-470 OUT	N E W S	SSPRC CLASS III 24-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	921.20 921.48 923.25 921.20	FROM STR: 490 FROM STR: 480.1 FROM STR: 480.4 TO STR: 470	-- -- -- 308.01'	-- -- -- 4.18%	
480.1	AL_WB	309+00.00	-48.33	LT	INLETS 2X3-HM-GJ	927.26	921.58	5.67'	0.00'	480.2-480.1 IN 480.1-480 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	921.58 921.58	FROM STR: 480.2 TO STR: 480	-- 6.97'	-- 1.50%	
480.2	AL_WB	309+00.00	2.33	RT	INLETS 2X3-HM-GJ	927.10	922.09	5.01'	0.00'	480.3-480.2 IN 480.2-480.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	922.09 922.09	FROM STR: 480.3 TO STR: 480.1	-- 50.67'	-- 1.00%	
480.3	AL_WB	309+00.00	9.67	RT	INLETS 2X3-HM-GJ	927.34	922.16	5.17'	0.00'	480.3-480.2 OUT	W	SSPRC CLASS IV 15-INCH	922.16	TO STR: 480.2	7.33'	1.00%	
480.4	AL_WB	309+00.00	-66.69	LT	INLETS MEDIAN 1G-MS	927.36	923.36	4.00'	0.00'	480.4-480 OUT	E	SSPRC CLASS III 15-INCH	923.36	TO STR: 480	11.39'	1.00%	
490	AL_WB	312+50.00	-54.86	LT	MANHOLES 4-J	937.35	930.40	6.95'	0.00'	490.1-490 IN 490-480 OUT	E S	SSPRC CLASS IV 15-INCH SSPRC CLASS III 24-INCH	930.95 930.40	FROM STR: 490.1 TO STR: 480	-- 350.00'	-- 2.63%	
490.1	AL_WB	312+50.00	-48.33	LT	INLETS 2X3-HM-GJ	936.53	931.03	5.50'	0.00'	490.2-490.1 IN 490.1-490 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	931.03 931.03	FROM STR: 490.2 TO STR: 490	-- 6.52'	-- 1.18%	
490.2	AL_WB	312+50.00	-9.67	LT	INLETS 2X3-HM-GJ	936.61	931.42	5.19'	0.00'	490.3-490.2 IN 490.2-490.1 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	931.42 931.42	FROM STR: 490.3 TO STR: 490.1	-- 38.67'	-- 1.00%	
490.3	AL_WB	312+50.00	9.67	RT	INLETS 2X3-HM-GJ	936.61	931.61	5.00'	0.00'	490.3-490.2 OUT	W	SSPRC CLASS IV 15-INCH	931.61	TO STR: 490.2	19.33'	1.00%	
500	AL_CC_East	50+92.36	72.15	RT	APRON ENDWALLS FOR CPRC 18-INCH					500.1-500 IN	N	SSPRC CLASS III 18-INCH	907.35	FROM STR: 500.1	--	--	PIPE GRATE REQUIRED
500.1	AL_CC_East	50+92.51	37.49	RT	INLETS 2X3-HM-GJ	911.15	907.62	3.53'	0.00'	500.2-500.1 IN 500.1-500 OUT	N S	SSPRC CLASS IV 18-INCH SSPRC CLASS III 18-INCH	907.62 907.62	FROM STR: 500.2 TO STR: 500	-- 34.67'	-- 0.76%	
500.2	AL_CC_East	50+92.67	2.50	RT	INLETS 2X3-H	912.24	907.88	4.36'	0.00'	500.3-500.2 IN 500.2-500.1 OUT	N S	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	907.88 907.88	FROM STR: 500.3 TO STR: 500.1	-- 34.99'	-- 0.75%	
500.3	AL_CC_East	50+92.71	-6.50	LT	INLETS 2X3-H	912.63	907.97	4.65'	0.00'	500.4-500.3 IN 500.3-500.2 OUT	N S	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	907.97 907.98	FROM STR: 500.4 TO STR: 500.2	-- 9.00'	-- 1.08%	
500.4	AL_CC_East	50+92.85	-37.50	LT	INLETS 2X3-H	913.54	908.38	5.16'	0.00'	500.5-500.4 IN 500.6-500.4 IN 500.4-500.3 OUT	N E S	SSPRC CLASS III 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	909.22 908.38 908.38	FROM STR: 500.5 FROM STR: 500.6 TO STR: 500.3	-- -- 31.00'	-- -- 1.31%	

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES. THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
500.5	AL_CC_East	50+92.97	-63.10	LT	APRON ENDWALLS FOR CPRC 18-INCH					500.5-500.4 OUT	S	SSPRC CLASS III 18-INCH	910.50	TO STR: 500.4	25.60'	5.00%	PIPE GRATE REQUIRED
500.6	AL_CC_East	51+27.50	-37.50	LT	INLETS 2X3-H	913.21	908.73	4.49'	0.00'	500.6-500.4 OUT	W	SSPRC CLASS IV 15-INCH	908.73	TO STR: 500.4	34.65'	1.00%	SEE PLAN NOTE
510	AL_WB	319+00.00	0.00		MANHOLES 4-J	939.19	932.19	7.00'	0.00'	510.1-510 IN 510.3-510 IN 510-520 OUT	W E N	SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	932.71 933.17 932.19	FROM STR: 510.1 FROM STR: 510.3 TO STR: 520	-- -- 200.00'	-- -- 1.65%	
510.1	AL_WB	319+00.00	-9.67	LT	INLETS 2X3-HM-GJ	938.27	932.80	5.47'	0.00'	510.2-510.1 IN 510.1-510 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	932.80 932.80	FROM STR: 510.2 TO STR: 510	-- 9.67'	-- 1.00%	
510.2	AL_WB	319+00.00	-48.33	LT	INLETS 2X3-HM-GJ	938.19	933.19	5.00'	0.00'	510.2-510.1 OUT	E	SSPRC CLASS IV 15-INCH	933.19	TO STR: 510.1	38.67'	1.00%	
510.3	AL_WB	319+00.00	9.67	RT	INLETS 2X3-HM-GJ	938.27	933.27	5.00'	0.00'	510.3-510 OUT	W	SSPRC CLASS III 15-INCH	933.27	TO STR: 510	9.67'	1.00%	
520	AL_WB	321+00.00	0.00		MANHOLES 5-J	936.65	928.88	7.77'	0.00'	530-520 IN 510-520 IN 520-520.1 OUT	N S E	SSPRC CLASS III 24-INCH SSPRC CLASS III 24-INCH SSPRC CLASS III 24-INCH	928.89 928.89 928.88	FROM STR: 530 FROM STR: 510 TO STR: 520.1	-- -- 106.69'	-- -- 0.60%	
520.1	AL_WB	321+00.00	106.69	RT	APRON ENDWALLS FOR CPRC 24-INCH					520-520.1 IN	W	SSPRC CLASS III 24-INCH	928.25	FROM STR: 520	--	--	PIPE GRATE REQUIRED
530	AL_WB	321+97.60	0.00		MANHOLES 4-J	936.30	929.42	6.88'	0.00'	530.2-530 IN 530.3-530 IN 530-520 OUT	W E S	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH SSPRC CLASS III 24-INCH	929.42 929.89 929.42	FROM STR: 530.2 FROM STR: 530.3 TO STR: 520	-- -- 97.60'	-- -- 0.55%	
530.1	AL_WB	321+97.60	-48.33	LT	INLETS 2X3-HM-GJ-S	935.30	929.91	5.40'	0.00'	530.4-530.1 IN 530.7-530.1 IN 530.1-530.2 OUT	N S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	930.16 930.16 929.91	FROM STR: 530.4 FROM STR: 530.7 TO STR: 530.2	-- -- 38.67'	-- -- 1.00%	
530.2	AL_WB	321+97.60	-9.67	LT	INLETS 2X3-HM-GJ-S	935.38	929.52	5.86'	0.00'	530.1-530.2 IN 530.5-530.2 IN 530.8-530.2 IN 530.2-530 OUT	W N S E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	929.52 930.24 930.24 929.52	FROM STR: 530.1 FROM STR: 530.5 FROM STR: 530.8 TO STR: 530	-- -- -- 9.67'	-- -- -- 1.00%	
530.3	AL_WB	321+97.60	9.67	RT	INLETS 2X3-HM-GJ-S	935.38	929.99	5.39'	0.00'	530.6-530.3 IN 530.9-530.3 IN 530.3-530 OUT	N S W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	930.25 930.24 929.99	FROM STR: 530.6 FROM STR: 530.9 TO STR: 530	-- -- 9.67'	-- -- 1.00%	
530.4	AL_WB	322+13.00	-48.33	LT	INLETS 2X3-HM-GJ	935.31	930.31	5.00'	0.00'	530.4-530.1 OUT	S	SSPRC CLASS IV 15-INCH	930.31	TO STR: 530.1	15.40'	1.00%	
530.5	AL_WB	322+13.00	-9.67	LT	INLETS 2X3-HM-GJ	935.39	930.39	5.00'	0.00'	530.5-530.2 OUT	S	SSPRC CLASS IV 15-INCH	930.39	TO STR: 530.2	15.40'	1.00%	
530.6	AL_WB	322+13.00	9.67	RT	INLETS 2X3-HM-GJ	935.40	930.40	5.00'	0.00'	530.6-530.3 OUT	S	SSPRC CLASS IV 15-INCH	930.40	TO STR: 530.3	15.40'	1.00%	
530.7	AL_WB	321+82.60	-48.33	LT	INLETS 2X3-HM-GJ	935.31	930.31	5.00'	0.00'	530.7-530.1 OUT	N	SSPRC CLASS IV 15-INCH	930.31	TO STR: 530.1	15.00'	1.00%	
530.8	AL_WB	321+82.60	-9.67	LT	INLETS 2X3-HM-GJ	935.39	930.39	5.00'	0.00'	530.8-530.2 OUT	N	SSPRC CLASS IV 15-INCH	930.39	TO STR: 530.2	15.00'	1.00%	
530.9	AL_WB	321+82.60	9.67	RT	INLETS 2X3-HM-GJ	935.39	930.39	5.00'	0.00'	530.9-530.3 OUT	N	SSPRC CLASS IV 15-INCH	930.39	TO STR: 530.3	15.00'	1.00%	
535	AL_WB	323+43.58	-53.50	LT	MANHOLES 7-J	936.87	920.90	15.97'	0.00'	535.1-535 IN 535-535.2 OUT	SW E	SSPRC CLASS III 48-INCH SSPRC CLASS III 48-INCH	920.90 920.90	FROM STR: 535.1 TO STR: 535.2	-- 19.52'	-- 2.15%	
535.1	AL_WB	323+12.85	-93.34	LT	APRON ENDWALLS FOR CPRC 48-INCH					535.1-535 OUT	NE	SSPRC CLASS III 48-INCH	922.40	TO STR: 535	50.32'	2.98%	
535.2	AL_WB	323+44.55	-34.00	LT	CONCRETE COLLAR					535-535.2 IN	W	SSPRC CLASS III 48-INCH	920.48	FROM STR: 535	--	--	CONNECT TO EXIST PIPE
540	AL_WB	325+00.00	100.39	RT	APRON ENDWALLS FOR CPRC 15-INCH					540.1-540 IN	W	SSPRC CLASS IV 15-INCH	932.21	FROM STR: 540.1	--	--	PIPE GRATE REQUIRED
540.1	AL_WB	325+00.00	9.67	RT	INLETS 2X3-HM-GJ	938.78	933.12	5.66'	0.00'	540.2-540.1 IN 540.1-540 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	933.12 933.12	FROM STR: 540.2 TO STR: 540	-- 90.73'	-- 1.00%	
540.2	AL_WB	325+00.00	-9.67	LT	INLETS 2X3-HM-GJ	938.78	933.31	5.46'	0.00'	540.3-540.2 IN 540.2-540.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	933.31 933.31	FROM STR: 540.3 TO STR: 540.1	-- 19.33'	-- 1.00%	
540.3	AL_WB	325+00.00	-48.33	LT	INLETS 2X3-HM-GJ	938.70	933.70	5.00'	0.00'	540.3-540.2 OUT	E	SSPRC CLASS IV 15-INCH	933.70	TO STR: 540.2	38.67'	1.00%	
550	AL_WB	326+04.65	-90.05	LT	APRON ENDWALLS FOR CPRC 36-INCH					560-550 IN	NE	SSPRC CLASS III 36-INCH	931.79	FROM STR: 560	--	--	PIPE GRATE REQUIRED
560	AL_WB	326+25.00	-64.00	LT	MANHOLES 5-J	942.96	931.96	11.00'	0.00'	570-560 IN 560-550 OUT	N SW	SSPRC CLASS III 30-INCH SSPRC CLASS III 36-INCH	933.96 931.96	FROM STR: 570 TO STR: 550	-- 33.06'	-- 0.50%	
570	AL_WB	328+37.00	-64.00	LT	MANHOLES 5-J	951.08	944.08	7.00'	0.00'	580-570 IN 570-560 OUT	N S	SSPRC CLASS III 30-INCH SSPRC CLASS III 30-INCH	944.08 944.08	FROM STR: 580 TO STR: 560	-- 212.00'	-- 4.77%	
580	AL_WB	331+78.60	-64.00	LT	MANHOLES 6-J	965.39	959.73	5.66'	0.00'	580.2-580 IN 580.3-580 IN 580-570 OUT	N W S	SSPRC CLASS III 18-INCH SSPRC CLASS III 30-INCH SSPRC CLASS III 30-INCH	960.94 959.73 959.73	FROM STR: 580.2 FROM STR: 580.3 TO STR: 570	-- -- 341.59'	-- -- 4.58%	
580.1	AL_WB	331+87.00	-101.00	LT	APRON ENDWALLS FOR CPRC 30-INCH					580.1-580.3 OUT	E	SSPRC CLASS III 30-INCH	966.00	TO STR: 580.3	10.44'	9.58%	PIPE GRATE REQUIRED

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES. THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS. OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

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STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
580.2	AL_WB	332+00.00	-69.00	LT	INLETS MEDIAN 2G-MS	964.50	961.50	3.00'	0.00'	580.2-580 OUT	S	SSPRC CLASS III 18-INCH	961.50	TO STR: 580	21.98'	2.53%	
580.3	AL_WB	331+87.00	-90.56	LT	INLETS MEDIAN 2G-MS	969.89	962.50	7.39'	0.00'	580.1-580.3 IN 580.3-580 OUT	W E	SSPRC CLASS III 30-INCH SSPRC CLASS III 30-INCH	965.00 962.50	FROM STR: 580.1 TO STR: 580	-- 27.86'	-- 9.94%	SEE DETAIL
590	AL_WB	328+00.00	97.82	RT	APRON ENDWALLS FOR CPRC 15-INCH					590.1-590 IN	W	SSPRC CLASS IV 15-INCH	942.22	FROM STR: 590.1	--	--	PIPE GRATE REQUIRED
590.1	AL_WB	328+00.00	9.67	RT	INLETS 2X3-HM-GJ	948.76	943.10	5.66'	0.00'	590.2-590.1 IN 590.1-590 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	943.10 943.10	FROM STR: 590.2 TO STR: 590	-- 88.15'	-- 1.00%	
590.2	AL_WB	328+00.00	-9.67	LT	INLETS 2X3-HM-GJ	948.76	943.29	5.47'	0.00'	590.3-590.2 IN 590.2-590.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	943.29 943.29	FROM STR: 590.3 TO STR: 590.1	-- 19.33'	-- 1.00%	
590.3	AL_WB	328+00.00	-48.33	LT	INLETS 2X3-HM-GJ	948.68	943.68	5.00'	0.00'	590.3-590.2 OUT	E	SSPRC CLASS IV 15-INCH	943.68	TO STR: 590.2	38.67'	1.00%	
600	AL_WB	331+00.00	88.07	RT	APRON ENDWALLS FOR CPRC 15-INCH					600.1-600 IN	W	SSPRC CLASS IV 15-INCH	956.16	FROM STR: 600.1	--	--	PIPE GRATE REQUIRED
600.1	AL_WB	331+00.00	9.67	RT	INLETS 2X3-HM-GJ	961.07	956.46	4.61'	0.00'	600.2-600.1 IN 600.1-600 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	956.46 956.46	FROM STR: 600.2 TO STR: 600	-- 78.40'	-- 0.38%	
600.2	AL_WB	331+00.00	-9.67	LT	INLETS 2X3-HM-GJ	961.07	956.56	4.52'	0.00'	600.3-600.2 IN 600.2-600.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	956.56 956.56	FROM STR: 600.3 TO STR: 600.1	-- 19.33'	-- 0.50%	
600.3	AL_WB	331+00.00	-48.33	LT	INLETS 2X3-HM-GJ	960.99	956.75	4.24'	0.00'	600.3-600.2 OUT	E	SSPRC CLASS IV 15-INCH	956.75	TO STR: 600.2	38.67'	0.50%	
610	AL_WB	334+00.00	89.55	RT	APRON ENDWALLS FOR CPRC 15-INCH					610.1-610 IN	W	SSPRC CLASS III 15-INCH	965.47	FROM STR: 610.1	--	--	PIPE GRATE REQUIRED
610.1	AL_WB	334+00.00	48.33	RT	INLETS 2X3-HM-GJ	971.73	965.88	5.85'	0.00'	610.2-610.1 IN 610.1-610 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	965.88 965.88	FROM STR: 610.2 TO STR: 610	-- 41.22'	-- 1.00%	
610.2	AL_WB	334+00.00	9.67	RT	INLETS 2X3-HM-GJ	971.81	966.27	5.54'	0.00'	610.3-610.2 IN 610.2-610.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	966.27 966.27	FROM STR: 610.3 TO STR: 610.1	-- 38.67'	-- 1.00%	
610.3	AL_WB	334+00.00	-9.67	LT	INLETS 2X3-HM-GJ	971.93	966.46	5.47'	0.00'	610.4-610.3 IN 610.3-610.2 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	966.46 966.46	FROM STR: 610.4 TO STR: 610.2	-- 19.33'	-- 1.00%	
610.4	AL_WB	334+00.00	-48.33	LT	INLETS 2X3-HM-GJ	971.85	966.85	5.00'	0.00'	610.4-610.3 OUT	E	SSPRC CLASS IV 15-INCH	966.85	TO STR: 610.3	38.67'	1.00%	
620	AL_WB	337+00.00	88.01	RT	APRON ENDWALLS FOR CPRC 15-INCH					620.1-620 IN	W	SSPRC CLASS III 15-INCH	975.01	FROM STR: 620.1	--	--	PIPE GRATE REQUIRED
620.1	AL_WB	337+00.00	50.23	RT	INLETS 2X3-H	980.86	975.41	5.45'	0.00'	620.2-620.1 IN 620.1-620 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	975.41 975.41	FROM STR: 620.2 TO STR: 620	-- 37.77'	-- 1.04%	
620.2	AL_WB	337+00.00	5.46	RT	INLETS 2X3-H	980.90	975.84	5.06'	0.00'	620.3-620.2 IN 620.2-620.1 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	975.84 975.84	FROM STR: 620.3 TO STR: 620.1	-- 44.77'	-- 0.97%	
620.3	AL_WB	337+00.00	-13.50	LT	INLETS 2X3-H	981.42	976.03	5.39'	0.00'	620.4-620.3 IN 620.3-620.2 OUT	W E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	976.03 976.03	FROM STR: 620.4 TO STR: 620.2	-- 18.96'	-- 1.00%	
620.4	AL_WB	337+00.00	-44.50	LT	INLETS 2X3-H	981.34	976.34	5.00'	0.00'	620.4-620.3 OUT	E	SSPRC CLASS IV 15-INCH	976.34	TO STR: 620.3	31.00'	1.00%	
630	AL_WB	338+50.00	92.45	RT	APRON ENDWALLS FOR CPRC 15-INCH					630.1-630 IN	W	SSPRC CLASS III 15-INCH	979.77	FROM STR: 630.1	--	--	PIPE GRATE REQUIRED
630.1	AL_WB	338+50.00	57.50	RT	INLETS 4-H	985.06	980.07	5.00'	0.00'	630.2-630.1 IN 630.1-630 OUT	N E	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	980.13 980.07	FROM STR: 630.2 TO STR: 630	-- 34.95'	-- 0.85%	
630.2	AL_WB	339+53.03	46.37	RT	INLETS 4-Z	988.02	982.92	5.10'	0.00'	630.2-630.1 OUT	S	SSPRC CLASS IV 15-INCH	982.92	TO STR: 630.1	104.06'	2.68%	
635	AL_NV	53+50.00	-56.50	LT	APRON ENDWALLS FOR CPRC 18-INCH					635.1-635 IN	S	SSPRC CLASS III 18-INCH	965.54	FROM STR: 635.1	--	--	PIPE GRATE REQUIRED
635.1	AL_NV	53+50.00	54.50	RT	INLETS MEDIAN 1G-MS	969.48	966.65	2.83'	0.00'	635.1-635 OUT	N	SSPRC CLASS III 18-INCH	966.65	TO STR: 635	111.00'	1.00%	
636	AL_NV	55+00.83	33.87	RT	APRON ENDWALLS FOR CPRC 15-INCH					636.1-636 IN	NW	SSPRC CLASS IV 15-INCH	958.20	FROM STR: 636.1	--	--	PIPE GRATE REQUIRED
636.1	AL_NV	54+81.34	18.07	RT	INLETS 2X3-H	963.67	958.67	5.00'	0.00'	636.1-636 OUT	SE	SSPRC CLASS IV 15-INCH	958.67	TO STR: 636	24.82'	1.89%	
640	AL_NV	50+85.93	-69.29	LT	APRON ENDWALLS FOR CPRC 18-INCH					640.1-640 IN	W	SSPRC CLASS III 18-INCH	983.80	FROM STR: 640.1	--	--	PIPE GRATE REQUIRED
640.1	AL_WB	341+05.67	44.97	RT	INLETS 2X3-H	990.22	985.33	4.89'	0.00'	640.2-640.1 IN 640.1-640 OUT	W E	SSPRC CLASS IV 18-INCH SSPRC CLASS III 18-INCH	985.33 985.33	FROM STR: 640.2 TO STR: 640	-- 56.33'	-- 2.71%	
640.2	AL_WB	341+20.49	9.48	RT	INLETS 2X3-H	991.49	985.71	5.77'	0.00'	640.3-640.2 IN 640.2-640.1 OUT	W E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	985.71 985.71	FROM STR: 640.3 TO STR: 640.1	-- 38.47'	-- 1.00%	

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES. THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
640.3	AL_WB	341+20.83	3.51	RT	INLETS 2X3-H	991.37	985.77	5.59'	0.00'	640.4-640.3 IN 640.3-640.2 OUT	SW E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	985.77 985.77	FROM STR: 640.4 TO STR: 640.2	-- 5.98'	-- 1.00%	
640.4	AL_WB	340+93.01	-41.60	LT	INLETS 4-Z	992.12	986.30	5.82'	0.00'	640.5-640.4 IN 640.4-640.3 OUT	W NE	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	986.31 986.30	FROM STR: 640.5 TO STR: 640.3	-- 52.99'	-- 1.00%	
640.5	AL_WB	341+01.46	-59.79	LT	INLETS 4-Z	992.58	986.51	6.08'	0.00'	640.6-640.5 IN 640.7-640.5 IN 640.5-640.4 OUT	NW S E	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	987.42 986.76 986.51	FROM STR: 640.6 FROM STR: 640.7 TO STR: 640.4	-- -- 20.06'	-- -- 1.01%	
640.6	AL_WB	341+25.03	-87.23	LT	INLETS 2X3-H-S	992.38	987.78	4.60'	0.00'	640.8-640.6 IN 640.6-640.5 OUT	W SE	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	987.78 987.78	FROM STR: 640.8 TO STR: 640.5	-- 36.17'	-- 0.99%	
640.7	AL_NV	49+20.43	23.50	RT	INLETS 2X3-H	992.05	987.05	5.00'	0.00'	642-640.7 IN 640.7-640.5 OUT	W N	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	987.05 987.05	FROM STR: 642 TO STR: 640.5	-- 58.42'	-- 0.50%	
640.8	AL_NV	48+76.42	-38.00	LT	INLETS 2X3-H-S	993.53	988.20	5.33'	0.00'	640.9-640.8 IN 640.8-640.6 OUT	W E	SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH	988.20 988.20	FROM STR: 640.9 TO STR: 640.6	-- 24.72'	-- 1.70%	
640.9	AL_NV	47+57.81	-38.00	LT	INLETS 3-C	996.21	991.21	5.00'	0.00'	640.9-640.8 OUT	E	SSPRC CLASS III 15-INCH	991.21	TO STR: 640.8	118.61'	2.54%	
642	AL_NV	49+00.43	23.50	RT	INLETS 2X3-H	992.52	987.52	5.00'	0.00'	642-640.7 OUT	E	SSPRC CLASS IV 15-INCH	987.52	TO STR: 640.7	20.00'	2.35%	
855	AL_US	40+19.08	-61.58	LT	APRON ENDWALLS FOR CPRC 24-INCH					855.1-855 IN	W	SSPRC CLASS III 24-INCH	852.05	FROM STR: 855.1	--	--	PIPE GRATE REQUIRED
855.1	AL_US	39+12.23	-43.60	LT	INLETS MEDIAN 2G-MS	858.30	854.22	4.08'	0.00'	855.1-855 OUT	E	SSPRC CLASS III 24-INCH	854.22	TO STR: 855	108.35'	2.00%	
860	AL_US	40+09.42	43.53	RT	MANHOLES 5-J	855.00	849.00	6.00'	0.00'	860.1-860 IN 860-870 OUT	NW E	SSPRC CLASS IV 30-INCH SSPRC CLASS IV 36-INCH	849.00 849.00	FROM STR: 860.1 TO STR: 870	-- 245.99'	-- 1.59%	
860.1	AL_US	40+05.29	38.28	RT	CONCRETE COLLAR					860.1-860 OUT	SE	SSPRC CLASS IV 30-INCH	849.25	TO STR: 860	6.67'	3.75%	CONNECT TO EXIST PIPE
870	AL_US	42+55.00	29.33	RT	MANHOLES 5-J	853.29	845.10	8.19'	0.00'	860-870 IN 870.1-870 IN 870.3-870 IN 870-880 OUT	W N SW SE	SSPRC CLASS IV 36-INCH SSPRC CLASS IV 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS IV 36-INCH	845.10 847.34 848.18 845.10	FROM STR: 860 FROM STR: 870.1 FROM STR: 870.3 TO STR: 880	-- -- -- 132.19'	-- -- -- 1.59%	
870.1	AL_US	42+52.20	-38.15	LT	INLETS 2X3-HM-GJ	853.04	848.02	5.02'	0.00'	870.2-870.1 IN 870.1-870 OUT	W S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	848.02 848.02	FROM STR: 870.2 TO STR: 870	-- 67.54'	-- 1.00%	
870.2	AL_US	42+37.21	-37.64	LT	INLETS 2X3-HM-GJ	853.41	848.34	5.07'	0.00'	870.2-870.1 OUT	E	SSPRC CLASS IV 15-INCH	848.34	TO STR: 870.1	15.00'	2.13%	
870.3	AL_US	42+48.52	42.39	RT	INLETS 2X3-HM-GJ	852.94	848.32	4.61'	0.00'	870.4-870.3 IN 870.3-870 OUT	W NE	SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH	848.32 848.32	FROM STR: 870.4 TO STR: 870	-- 14.58'	-- 1.00%	
870.4	AL_US	42+33.54	41.74	RT	INLETS 2X3-HM-GJ	853.14	848.52	4.62'	0.00'	870.4-870.3 OUT	E	SSPRC CLASS III 15-INCH	848.52	TO STR: 870.3	15.00'	1.31%	
880	AL_US	43+77.94	77.91	RT	APRON ENDWALLS FOR CPRC 36-INCH					870-880 IN	NW	SSPRC CLASS IV 36-INCH	843.00	FROM STR: 870	--	--	PIPE GRATE REQUIRED
890	AL_US	45+00.00	43.97	RT	INLETS 2X3-HM-GJ-S	851.67	845.01	6.65'	0.00'	890.1-890 IN 890-900 OUT	N E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	845.01 845.02	FROM STR: 890.1 TO STR: 900	-- 100.25'	-- 0.50%	
890.1	AL_US	45+00.00	-3.07	LT	INLETS 2X3-HM-GJ-S	850.78	845.25	5.53'	0.00'	890.2-890.1 IN 890.5-890.1 IN 890.1-890 OUT	N E S	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	845.25 845.64 845.25	FROM STR: 890.2 FROM STR: 890.5 TO STR: 890	-- -- 47.04'	-- -- 0.50%	
890.2	AL_US	45+00.00	-11.44	LT	INLETS 2X3-HM-GJ-S	851.17	845.29	5.87'	0.00'	890.3-890.2 IN 890.2-890.1 OUT	N S	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	845.29 845.29	FROM STR: 890.3 TO STR: 890.1	-- 8.36'	-- 0.50%	
890.3	AL_US	45+00.00	-46.10	LT	INLETS 2X3-HM-GJ-S	850.53	845.46	5.06'	0.00'	890.4-890.3 IN 890.3-890.2 OUT	E S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	845.46 845.46	FROM STR: 890.4 TO STR: 890.2	-- 34.67'	-- 0.50%	
890.4	AL_US	45+15.00	-46.07	LT	INLETS 2X3-HM-GJ-S	850.54	845.54	5.00'	0.00'	890.4-890.3 OUT	W	SSPRC CLASS IV 15-INCH	845.54	TO STR: 890.3	15.00'	0.50%	
890.5	AL_US	45+15.00	-2.84	LT	INLETS 2X3-HM-GJ-S	850.79	845.79	5.00'	0.00'	890.5-890.1 OUT	W	SSPRC CLASS IV 15-INCH	845.79	TO STR: 890.1	15.00'	1.00%	
895	AL_US	45+89.65	75.94	RT	APRON ENDWALLS FOR CPRC 24-INCH					900-900.4 IN	NE	SSPRC CLASS III 24-INCH	844.32	FROM STR: 900	--	--	PIPE GRATE REQUIRED
900	AL_US	46+00.00	51.01	RT	INLETS 5-HM-GJ	852.21	844.51	7.69'	0.00'	890-900 IN 900.1-900 IN 900-900.4 OUT	W NE SW	SSPRC CLASS IV 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	844.51 845.29 844.51	FROM STR: 890 FROM STR: 900.1 TO STR: 895	-- -- 26.99'	-- -- 0.72%	
900.1	AL_US	46+50.00	-2.33	LT	INLETS 2X3-HM-GJ	851.73	846.02	5.71'	0.00'	900.2-900.1 IN 900.4-900.1 IN 900.1-900 OUT	N E SW	SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	846.02 846.02 846.02	FROM STR: 900.2 FROM STR: 900.4 TO STR: 900	-- -- 73.11'	-- -- 1.00%	
900.2	AL_US	46+50.00	-9.87	LT	INLETS 2X3-HM-GJ	852.08	846.09	5.98'	0.00'	900.3-900.2 IN 900.2-900.1 OUT	N S	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	846.09 846.09	FROM STR: 900.3 TO STR: 900.1	-- 7.54'	-- 1.00%	
900.3	AL_US	46+50.00	-44.54	LT	INLETS 2X3-HM-GJ	851.44	846.44	5.00'	0.00'	900.3-900.2 OUT	S	SSPRC CLASS IV 15-INCH	846.44	TO STR: 900.2	34.67'	1.00%	
900.4	AL_US	47+75.00	-2.33	LT	INLETS 2X3-HM-GJ	853.49	847.85	5.64'	0.00'	900.5-900.4 IN 900.4-900.1 OUT	N W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	847.85 847.85	FROM STR: 900.5 TO STR: 900.1	-- 124.94'	-- 1.47%	

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES, THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

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STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
900.5	AL_US	47+75.00	-44.33	LT	INLETS 2X3-HM-GJ	853.16	848.27	4.89'	0.00'	900.5-900.4 OUT	S	SSPRC CLASS IV 15-INCH	848.27	TO STR: 900.4	42.00'	1.00%	
910	AL_US	52+99.07	81.49	RT	APRON ENDWALLS FOR CPRC 24-INCH					920-910 IN	NE	SSPRC CLASS III 24-INCH	856.00	FROM STR: 920	--	--	PIPE GRATE REQUIRED
920	AL_US	53+50.00	31.02	RT	MANHOLES 5-J	863.68	856.69	7.00'	0.00'	930-920 IN 920.1-920 IN 920.8-920 IN 920-910 OUT	E N S SW	SSPRC CLASS III 24-INCH SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 24-INCH	856.69 856.75 858.65 856.69	FROM STR: 930 FROM STR: 920.1 FROM STR: 920.8 TO STR: 910	-- -- -- 72.23'	-- -- -- 0.95%	
920.1	AL_US	53+50.00	13.68	RT	INLETS 2X3-HM-GJ	863.11	856.83	6.27'	0.00'	920.2-920.1 IN 920.7-920.1 IN 920.1-920 OUT	N E S	SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	856.83 858.20 856.83	FROM STR: 920.2 FROM STR: 920.7 TO STR: 920	-- -- 17.34'	-- -- 0.50%	
920.2	AL_US	53+50.00	3.62	RT	INLETS 2X3-HM-GJ	863.21	856.88	6.33'	0.00'	920.3-920.2 IN 920.2-920.1 OUT	N S	SSPRC CLASS IV 15-INCH SSPRC CLASS III 15-INCH	856.88 856.88	FROM STR: 920.3 TO STR: 920.1	-- 10.07'	-- 0.50%	
920.3	AL_US	53+50.00	-44.33	LT	INLETS 2X3-HM-GJ	862.13	857.12	5.00'	0.00'	920.6-920.3 IN 920.4-920.3 IN 920.3-920.2 OUT	N E S	SSPRC CLASS III 15-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	857.12 857.12 857.12	FROM STR: 920.6 FROM STR: 920.4 TO STR: 920.2	-- -- 47.95'	-- -- 0.50%	
920.4	AL_US	53+65.18	-44.33	LT	INLETS 2X3-HM-GJ	862.48	857.48	5.00'	0.00'	920.5-920.4 IN 920.4-920.3 OUT	E W	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	857.48 857.48	FROM STR: 920.5 TO STR: 920.3	-- 15.00'	-- 2.35%	
920.5	AL_US	53+80.35	-44.33	LT	INLETS 2X3-HM-GJ	862.83	857.83	5.00'	0.00'	920.5-920.4 OUT	W	SSPRC CLASS IV 15-INCH	857.83	TO STR: 920.4	15.00'	2.35%	
920.6	AL_US	53+50.00	-64.20	LT	INLETS 3-C	862.14	857.80	4.35'	0.00'	920.6-920.3 OUT	S	SSPRC CLASS III 15-INCH	857.80	TO STR: 920.3	19.87'	3.40%	
920.7	AL_US	53+74.90	12.76	RT	INLETS 2X3-HM-GJ	863.70	858.70	5.00'	0.00'	920.7-920.1 OUT	W	SSPRC CLASS IV 15-INCH	858.70	TO STR: 920.1	25.00'	2.00%	
920.8	AL_US	53+56.14	48.27	RT	INLETS 2X3-HM-GJ	864.02	859.02	5.00'	0.00'	920.8-920 OUT	N	SSPRC CLASS IV 15-INCH	859.02	TO STR: 920	18.33'	2.00%	
930	AL_US	56+75.78	26.95	RT	MANHOLES 5-J	874.40	866.40	8.00'	0.00'	940-930 IN 930.2-930 IN 930.1-930 IN 930-920 OUT	E S N W	SSPRC CLASS III 24-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 24-INCH SSPRC CLASS III 24-INCH	866.40 869.24 866.40 866.40	FROM STR: 940 FROM STR: 930.2 FROM STR: 930.1 TO STR: 920	-- -- -- 328.17'	-- -- -- 2.96%	
930.1	AL_US	56+98.12	-59.31	LT	INLETS MEDIAN 2G-MS	871.14	867.14	4.00'	0.00'	930.1-930 OUT	S	SSPRC CLASS III 24-INCH	867.14	TO STR: 930	89.09'	0.83%	
930.2	AL_US	56+75.78	44.29	RT	INLETS 2X3-HM-GJ	874.59	869.59	5.00'	0.00'	930.2-930 OUT	N	SSPRC CLASS IV 15-INCH	869.59	TO STR: 930	17.33'	2.00%	
940	AL_US	60+35.92	19.78	RT	MANHOLES 4-J	889.66	882.66	7.00'	0.00'	950-940 IN 940.1-940 IN 940-930 OUT	E S W	SSPRC CLASS III 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS III 24-INCH	883.16 883.80 882.66	FROM STR: 950 FROM STR: 940.1 TO STR: 930	-- -- 361.37'	-- -- 4.50%	
940.1	AL_US	60+35.92	37.14	RT	INLETS 2X3-HM-GJ	889.15	884.15	5.00'	0.00'	940.1-940 OUT	N	SSPRC CLASS IV 15-INCH	884.15	TO STR: 940	17.36'	2.00%	
950	AL_US	62+01.56	42.23	RT	MANHOLES 4-J	895.90	891.90	4.00'	0.00'	950.1-950 IN 950-940 OUT	E W	SSPRC CLASS III 18-INCH SSPRC CLASS III 18-INCH	892.00 891.90	FROM STR: 950.1 TO STR: 940	-- 167.16'	-- 5.23%	
950.1	AL_US	62+08.94	41.58	RT	CONCRETE COLLAR					950.1-950 OUT	W	SSPRC CLASS III 18-INCH	892.25	TO STR: 950	7.40'	3.38%	CONNECT TO EXIST PIPE

NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES. THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS. OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

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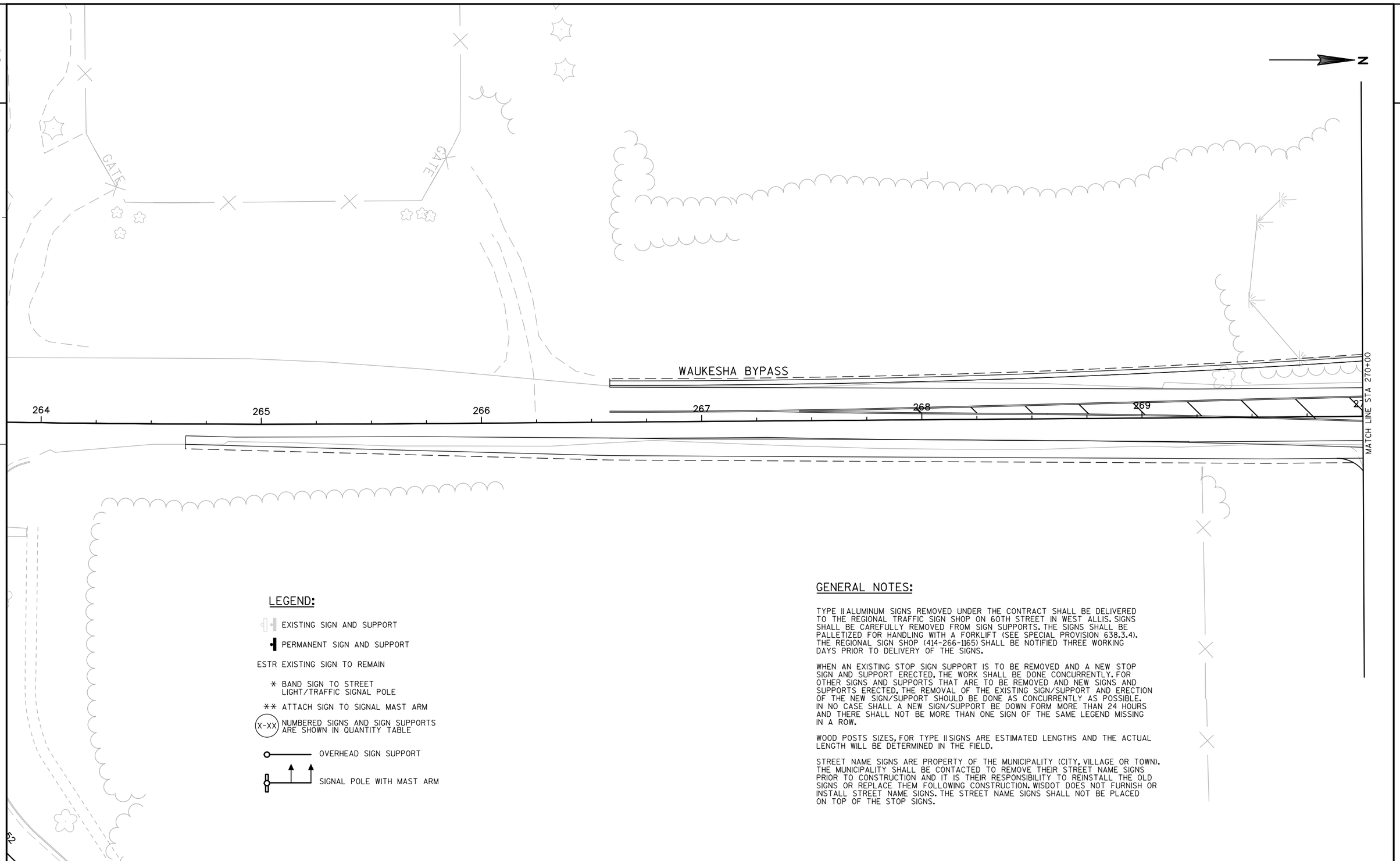
CULVERT DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
1000	AL_WB	279+82.00	-67.00	LT	APRON ENDWALLS FOR CPRC 30-INCH	1010-1000 IN	E	CPRC CLASS IV 30-INCH	852.75	FROM STR: 1010	--	--	
1010	AL_WB	279+82.00	93.00	RT	APRON ENDWALLS FOR CPRC 30-INCH	1010-1000 OUT	W	CPRC CLASS IV 30-INCH	853.25	TO STR: 1000	160.00	0.31%	
1020	AL_WB	325+04.29	272.75	RT	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH	1020-1030 OUT	SE	CPCS 12-INCH	916.50	TO STR: 1030	66.50	1.00%	SEE DETAIL FOR 'DP 324' FOR PLAN & PROFILE
1030	AL_WB	324+59.41	321.82	RT	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH	1020-1030 IN	NW	CPCS 12-INCH	915.84	FROM STR: 1020	--	--	SEE DETAIL FOR 'DP 324' FOR PLAN & PROFILE
1060	AL_FC	51+06.57	29.38	RT	APRON ENDWALLS FOR CPRCHE 19X30-INCH	1060-1070 OUT	N	CPRCHE CLASS HE-IV 19X30-INCH	854.90	TO STR: 1070	56.00	0.36%	
1070	AL_FC	50+94.01	-25.47	LT	APRON ENDWALLS FOR CPRCHE 19X30-INCH	1060-1070 IN	S	CPRCHE CLASS HE-IV 19X30-INCH	854.70	FROM STR: 1060	--	--	
1080	AL_FC	51+14.26	27.62	RT	APRON ENDWALLS FOR CPRCHE 19X30-INCH	1080-1090 OUT	N	CPRCHE CLASS HE-IV 19X30-INCH	854.90	TO STR: 1090	56.00	0.36%	
1090	AL_FC	50+97.66	-26.27	LT	APRON ENDWALLS FOR CPRCHE 19X30-INCH	1080-1090 IN	S	CPRCHE CLASS HE-IV 19X30-INCH	854.70	FROM STR: 1080	--	--	
1100	AL_TO	10+82.18	-34.38	LT	APRON ENDWALLS FOR CPRC 30-INCH	1100-1110 OUT	E	CPRC CLASS III 30-INCH	843.70	TO STR: 1110	86.00	0.99%	
1110	AL_TO	10+82.17	51.62	RT	APRON ENDWALLS FOR CPRC 30-INCH	1100-1110 IN	W	CPRC CLASS III 30-INCH	842.85	FROM STR: 1100	--	--	
1120	AL_NV	44+64.27	-29.83	LT	APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH	1120-1130 IN	E	PACS 17X13-INCH	994.60	FROM STR: 1130	--	--	
1130	AL_NV	44+90.25	-30.72	LT	APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH	1120-1130 OUT	W	PACS 17X13-INCH	994.80	TO STR: 1120	26.00	0.77%	
1140	AL_NV	52+49.71	-74.18	LT	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH	1140-1150 OUT	SE	CPCS 18-INCH	974.87	TO STR: 1150	58.00	8.74%	
1150	AL_NV	53+04.54	-66.88	LT	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH	1140-1150 IN	NW	CPCS 18-INCH	969.80	FROM STR: 1140	--	--	
1160	AL_WB	292+80.39	-84.57	LT	APRON ENDWALLS FOR CPRC 18-INCH	1160-1170 OUT	S	CPRC CLASS III 18-INCH	857.75	TO STR: 1170	14.00	3.00%	SEE DETAIL
1170	AL_WB	292+66.55	-84.58	LT	APRON ENDWALLS FOR CPRC 18-INCH	1160-1170 IN	N	CPRC CLASS III 18-INCH	857.33	FROM STR: 1160	--	--	SEE DETAIL
1180	AL_WB	270+00.00	33.39	RT	PIPE END	1180-1190 OUT	N	CP CLASS III-A 18-INCH	856.82	TO STR: 1190	20.00	1.05%	
1190	AL_WB	270+20.00	33.39	RT	PIPE END	1180-1190 IN	S	CP CLASS III-A 18-INCH	856.61	FROM STR: 1180	--	--	
1200	AL_WB	270+25.00	33.39	RT	PIPE END	1200-1210 OUT	N	CP CLASS III-A 18-INCH	856.59	TO STR: 1210	25.00	0.20%	
1210	AL_WB	270+50.00	33.39	RT	PIPE END	1200-1210 IN	S	CP CLASS III-A 18-INCH	856.54	FROM STR: 1200	--	--	
1220	AL_WB	290+29.31	-41.87	LT	CONCRETE COLLAR	1220-M671 OUT	SW	CPRC CLASS III 48-INCH	842.89	TO STR: M-67-1	109.35	1.09%	ASSUMED 8' TO NEXT JOINT FOR CONNECTION
1230	AL_WB	290+18.97	-39.85	LT	CONCRETE COLLAR	1230-M671 OUT	SW	CPRC CLASS III 72-INCH	840.71	TO STR: M-67-1	108.71	0.93%	ASSUMED 8' TO NEXT JOINT FOR CONNECTION
1240	AL_WB	290+08.63	-37.85	LT	CONCRETE COLLAR	1240-M671 OUT	SW	CPRC CLASS III 48-INCH	842.92	TO STR: M-67-1	106.67	1.14%	ASSUMED 8' TO NEXT JOINT FOR CONNECTION
1270	AL_US	44+90.29	-86.14	LT	APRON ENDWALLS FOR CPRC 60-INCH	1270-1280 OUT	SW	CPRC CLASS III 60-INCH	840.09	TO STR: 1280	175.04	0.13%	
1280	AL_US	44+13.06	70.95	RT	APRON ENDWALLS FOR CPRC 60-INCH	1270-1280 IN	NE	CPRC CLASS III 60-INCH	839.86	FROM STR: 1270	--	--	
1290	AL_US	45+00.16	-81.29	LT	APRON ENDWALLS FOR CPRC 60-INCH	1290-1300 OUT	SW	CPRC CLASS III 60-INCH	838.00	TO STR: 1300	175.04	0.29%	
1300	AL_US	44+22.93	75.80	RT	APRON ENDWALLS FOR CPRC 60-INCH	1290-1300 IN	NE	CPRC CLASS III 60-INCH	837.50	FROM STR: 1290	--	--	
1310	AL_NV	45+22.37	29.28	RT	APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH	1310-1320 OUT	W	PACS 17X13-INCH	994.22	TO STR: 1320	36.00	0.31%	
1320	AL_NV	44+86.41	27.72	RT	APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH	1310-1320 IN	E	PACS 17X13-INCH	994.11	FROM STR: 1310	--	--	
M-67-1	AL_WB	289+34.49	-106.52	LT	CONCRETE MASONRY ENDWALL	1230-M671 IN 1240-M671 IN 1220-M671 IN	NE NE NE	CPRC CLASS III 72-INCH CPRC CLASS III 48-INCH CPRC CLASS III 48-INCH	839.70 841.70 841.70	FROM STR: 1230 FROM STR: 1240 FROM STR: 1220	-- -- --	-- -- --	STATION AND OFFSET ARE BASED ON CENTERLINE OF 72" CPRC. SEE STRUCTURE PLANS FOR M-67-1 FOR EXACT LOCATION

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NOTES:
1. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES, THE CENTER OF STRUCTURE FOR MANHOLES AND MEDIAN INLETS, OR TOP OF STRUCTURE FOR COVER PLATES.
2. STATION AND OFFSETS ARE GIVEN TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. "TOTAL DEPTH" = RIM/GRATE ELEVATION MINUS STRUCTURE INVERT ELEVATION. STRUCTURE DEPTH SHOWN ON SDD SHEETS SHALL BE DETERMINED BY THE CONTRACTOR.
4. FIELD CHECK INVERT ELEVATION AND PIPE SIZE OF ALL CONNECTIONS TO EXISTING PIPES.

2



LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

GENERAL NOTES:

TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC SIGN SHOP ON 60TH STREET IN WEST ALLIS. SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE SPECIAL PROVISION 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

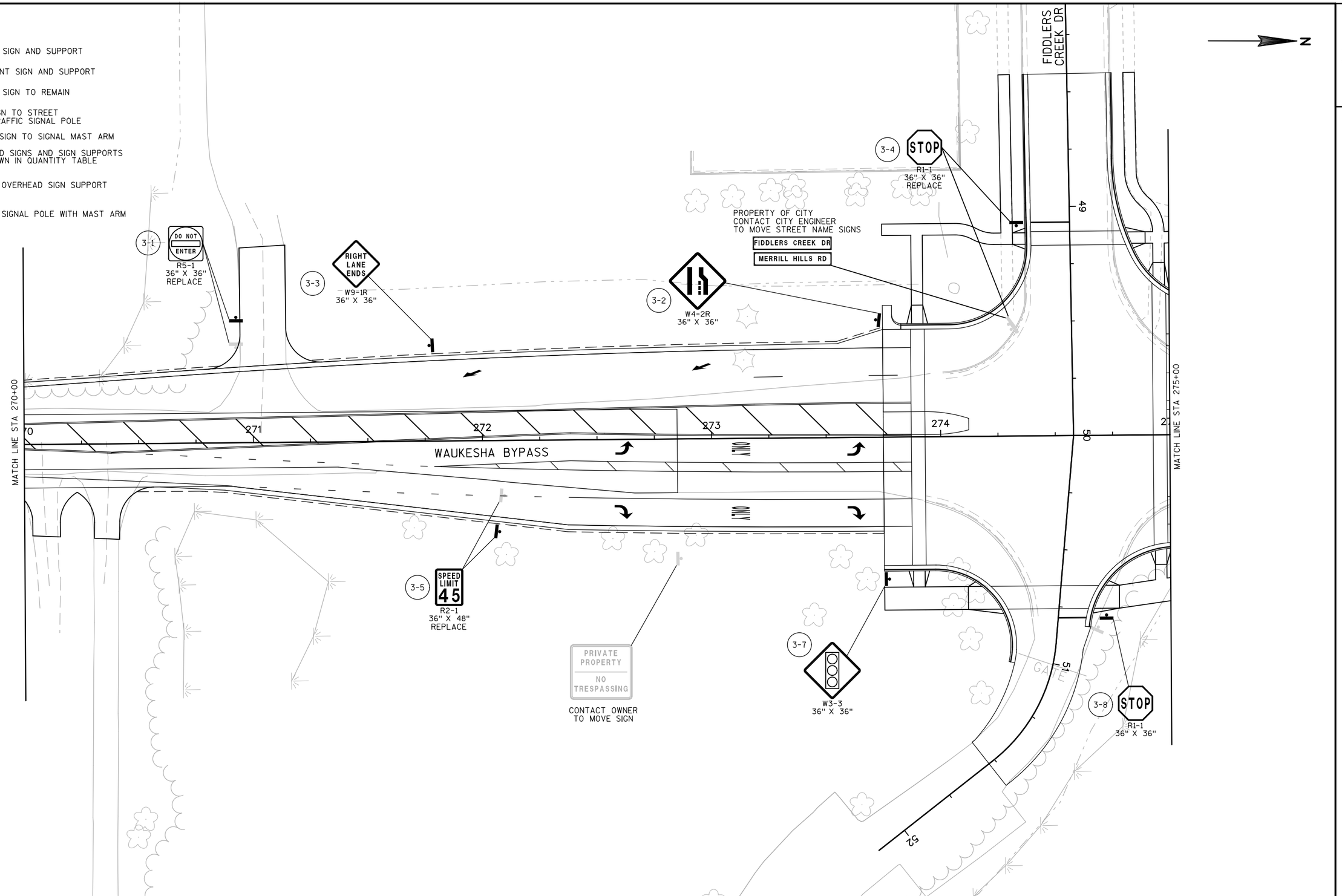
WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FORM MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

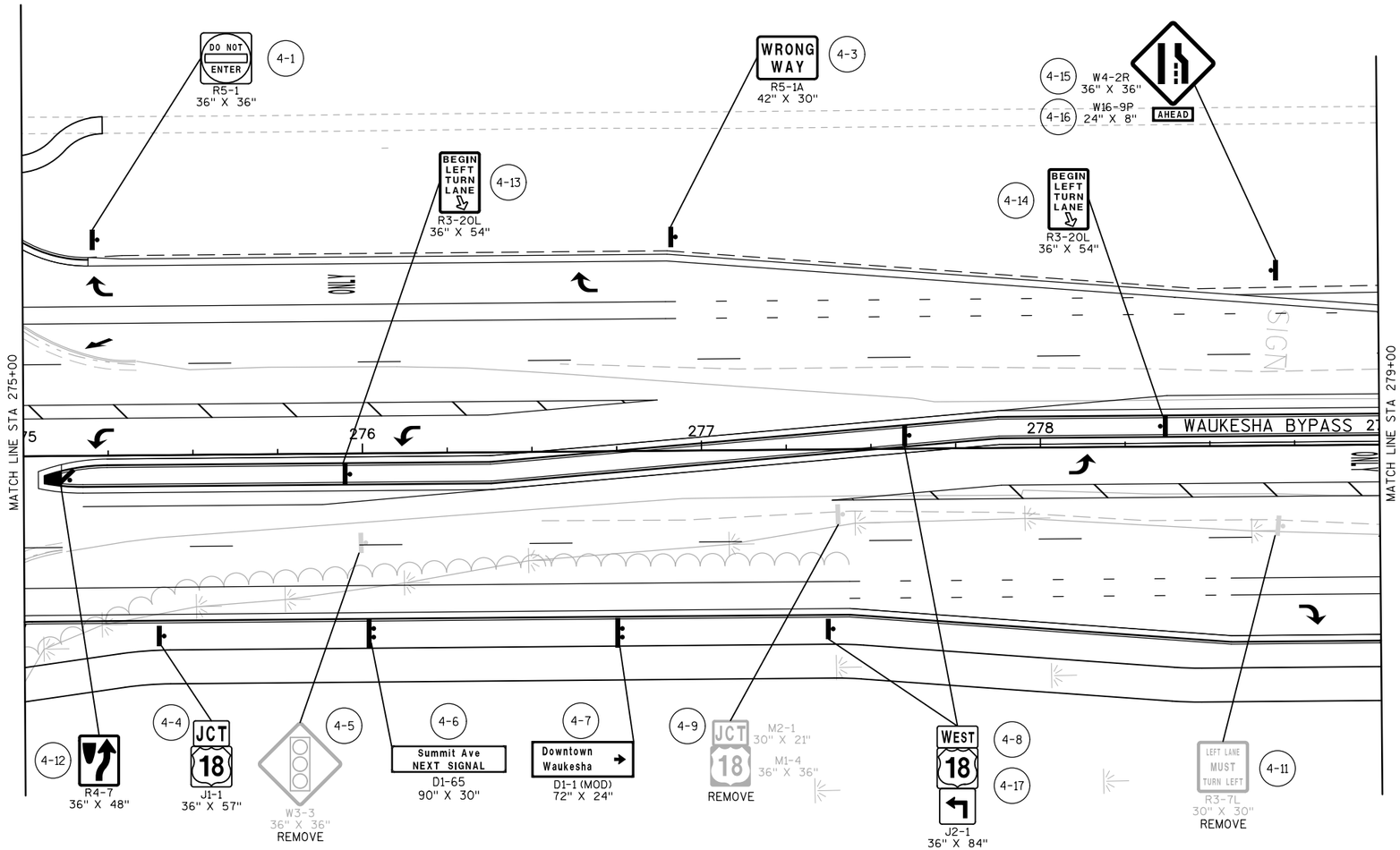


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_023203_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1

2

N



LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N

MATCH LINE STA 279+00

MATCH LINE STA 285+00

USH 18

WAUKESHA BYPASS

SUMMIT AVE

SEE USH 18 SHEETS FOR PERMANENT SIGNING DETAILS

PROPERTY OF CITY CONTACT CITY ENGINEER TO MOVE STREET NAME SIGNS

SUMMIT AVE / MEADOWBROOK RD

SEE SUMMIT AVE SHEETS FOR PERMANENT SIGNING DETAILS

PROPERTY OF CITY CONTACT CITY ENGINEER TO MOVE STREET NAME SIGNS

SUMMIT AVE / MERRILL HILLS RD

5-1 RIGHT LANE ENDS, W9-1R, 36" X 36"

5-2 SPEED LIMIT 45, R2-1, 36" X 48", REPLACE

5-23 SPEED LIMIT 45, R2-1, 36" X 48"

5-3 COUNTY TT, M1-5A, 36" X 36", REPLACE

5-24 * STOP, R1-1F, 36" X 36"

5-25 * R4-7, 36" X 48"

5-41 * ONE WAY, R6-2L, 30" X 36"

5-40 ** LEFT TURN YIELD ON FLASHING YELLOW ARROW, R10-50L, 30" X 36"

5-7 YIELD, R1-2, 48" X 42"

5-30 W12-1D, 24" X 24", 2' MOUNTING HEIGHT

5-8 WEST 18, J3-1, 36" X 84"

5-9 WRONG WAY, R5-1A, 42" X 30"

5-39 BEGIN LEFT TURN LANE, R3-20L, 36" X 54"

5-27 ← Merrill Hills Rd / Meadowbrook Rd →, M1-94H, 132" X 36"

5-26 * ONE WAY, R6-2L, 30" X 36"

5-4 ** LEFT TURN YIELD ON FLASHING YELLOW ARROW, R10-50L, 30" X 36"

5-28 * DO NOT ENTER, R5-1, 36" X 36"

5-29 * STOP, R1-1F, 36" X 36", REPLACE

5-33 * DO NOT ENTER, R5-1, 36" X 36"

5-17 ** LEFT TURN YIELD ON FLASHING YELLOW ARROW, R10-50L, 30" X 36"

5-35 ** ← Meadowbrook Rd / Merrill Hills Rd →, M1-94H, 132" X 36"

5-36 * R4-7, 36" X 48"

5-22 WEST 18, J3-1, 36" X 84"

5-10 WRONG WAY, R5-1A, 42" X 30"

5-12 M1-4, 36" X 36" 18 / M6-4, 30" X 30", REMOVE

5-31 W12-1D, 24" X 24", 2' MOUNTING HEIGHT

5-32 * STOP, R1-1F, 36" X 36", REPLACE

5-14 YIELD, R1-2, 48" X 42"

5-34 * ONE WAY, R6-2L, 30" X 36"

5-37 * STOP, R1-1F, 36" X 36"

5-42 * ONE WAY, R6-2L, 30" X 36"

5-18 COUNTY TT, M1-5A, 36" X 36", REMOVE

5-19 REMOVE

Waukesha County ADOPT-A-HIGHWAY LITTER CONTROL Next 2 Miles

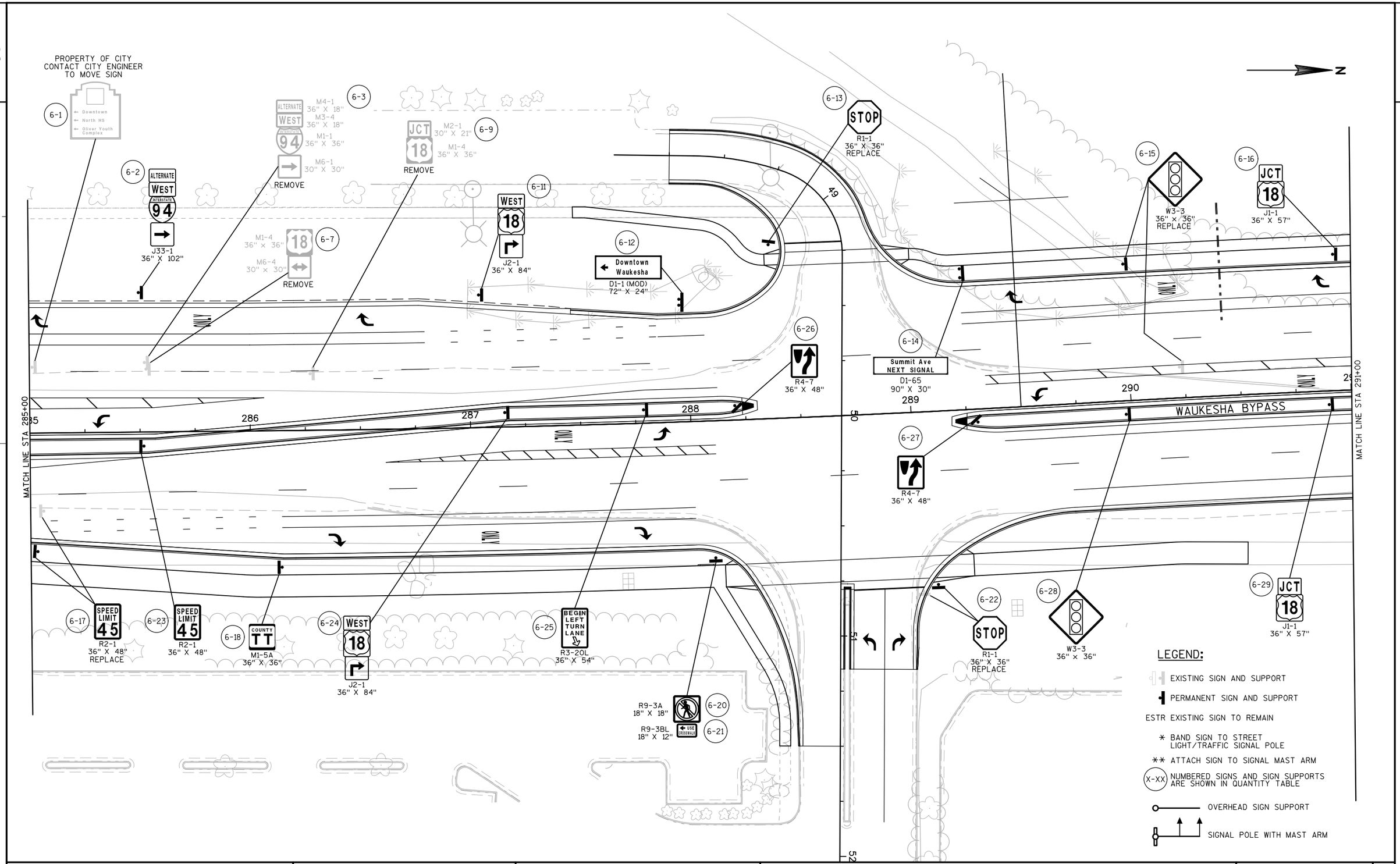
EDWARD JONES CHIP TINDER

REMOVE

WORKERS AHEAD

REMOVE

PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

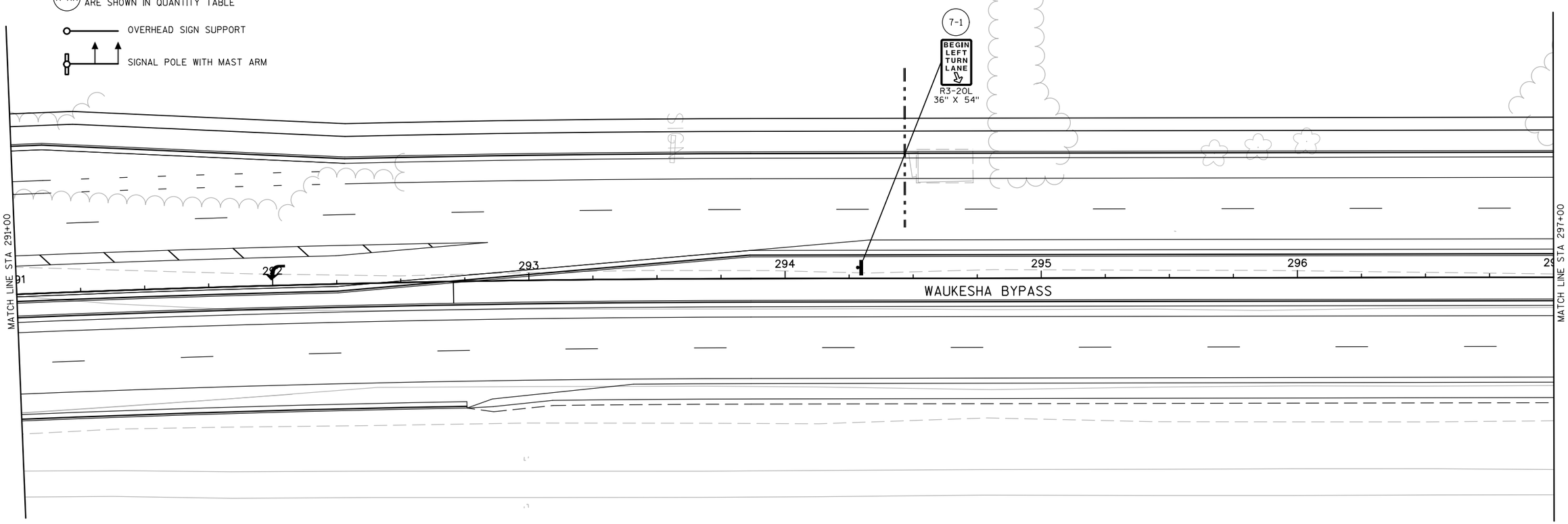
** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N







PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N

8-1

BEGIN LEFT TURN LANE

R3-20L
36" X 54"

MATCH LINE STA 297+00

297

298

299

300

301

302

303

MATCH LINE STA 303+00

WAUKESHA BYPASS

8-2

WRONG WAY

R5-1A
42" X 30"

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_023208_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1

2

N

COLDWATER CREEK DR

WAUKESHA BYPASS

MATCH LINE STA 303+00

MATCH LINE STA 309+00

9-1 SPEED LIMIT 45 R2-1 36" X 48"

9-10 SPEED LIMIT 45 R2-1 36" X 48"

9-17 ONE WAY R6-2L 30" X 36"

9-2 STOP R1-1 36" X 36" REPLACE

9-12 R4-7 24" X 30"

9-13 R4-7 36" X 48"

9-3 DO NOT ENTER R5-1 36" X 36"

9-4 WRONG WAY R5-1A 42" X 30"

9-11 R4-7 36" X 48"

9-16 R4-7 36" X 48"

9-5 DO NOT ENTER R5-1 36" X 36"

9-14 R4-7 36" X 48"

9-6 SPEED LIMIT 25 R2-1 24" X 30" REPLACE

9-15 R4-7 24" X 30"

COLDWATER CREEK DR
MEADOWBROOK RD
PROPERTY OF CITY
CONTACT CITY ENGINEER
TO MOVE STREET NAME SIGNS

9-7 STOP R1-1 36" X 36" REPLACE

9-18 ONE WAY R6-2L 30" X 36"

LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_023209_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

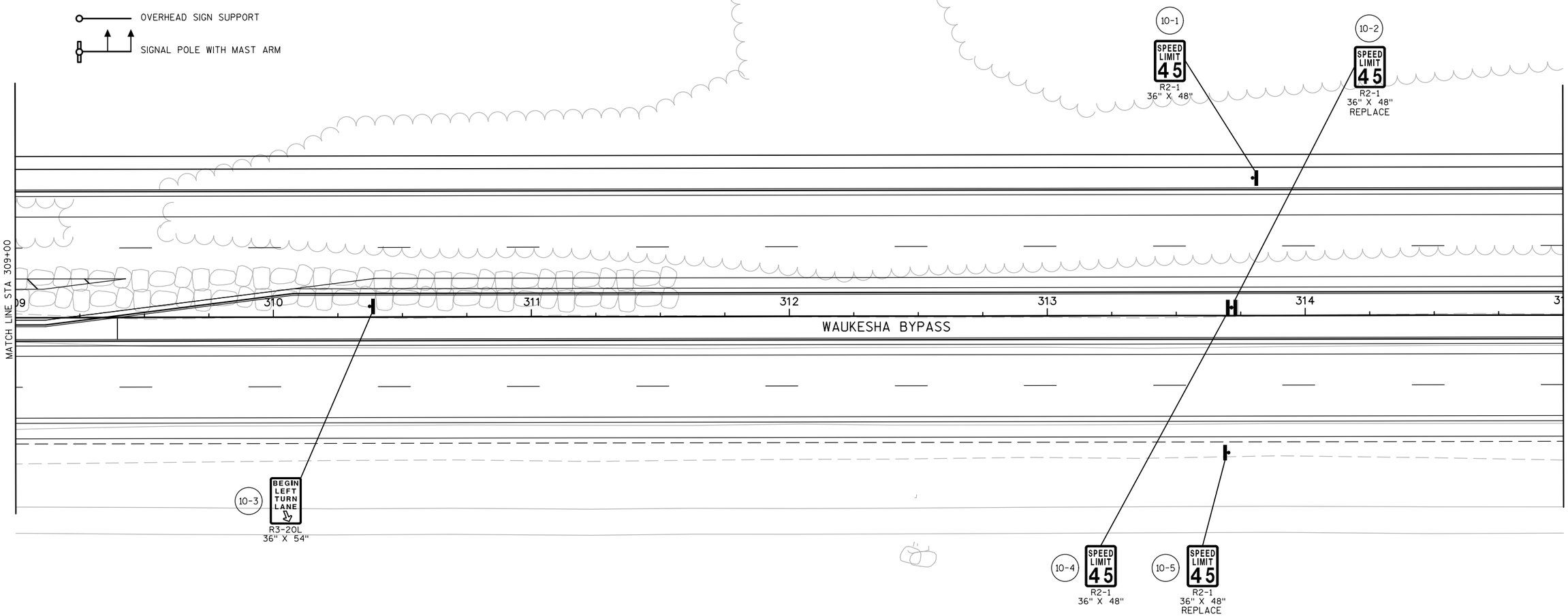
** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N



2

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

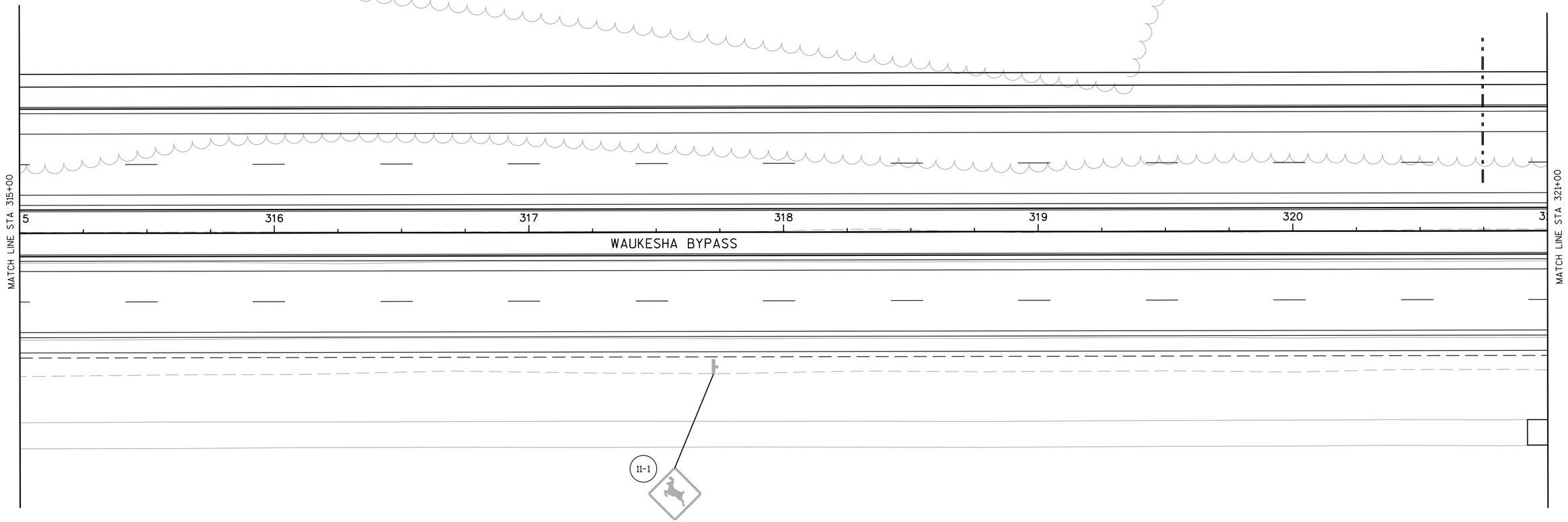
** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N



2

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N

MATCH LINE STA 321+00

321

322

323

324

325

326

MATCH LINE STA 327+00

WAUKESHA BYPASS

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_023212_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1

2

N

13-1

W11-3
36" X 36"
REMOVE
PER STATEWIDE POLICY W11-3
NO LONGER ALLOWED

MATCH LINE STA 327+00

327 328 329 330 331 332

MATCH LINE STA 333+00

WAUKESHA BYPASS

13-4

SPEED LIMIT 35

W3-5
36" X 36"

13-5

SPEED LIMIT 35

W3-5
36" X 36"

13-3

W3-3
36" X 36"

13-2

W3-3
36" X 36"
REPLACE

LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

N

14-11
Northview Rd
NEXT SIGNAL
D1-65
96" X 30"

14-1
SPEED LIMIT 45
R2-1
36" X 48"

14-12
SPEED LIMIT 45
R2-1
36" X 48"
REPLACE

14-2
M4-1
36" X 18"
ALTERNATE
INTERSTATE
94
M1-1
36" X 36"
M6-1
30" X 30"
REMOVE

14-5
ALTERNATE
INTERSTATE
94
J3-1
36" X 84"

MATCH LINE STA 333+00

333

334

335

336

337

MATCH LINE STA 338+00

WAUKESHA BYPASS

14-6
14-7
REDUCE SPEED AHEAD
35 M.P.H.
REMOVE

14-9
Northview Rd
NEXT SIGNAL
D1-65
96" X 30"

14-13
BEGIN LEFT TURN LANE
R3-20L
36" X 54"

LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

N

NORTHVIEW RD

SEE NORTHVIEW RD SHEETS FOR PERMANENT SIGNING DETAILS

PROPERTY OF CITY
CONTACT CITY ENGINEER
TO MOVE STREET NAME SIGNS

NORTHVIEW RD
MEADOWBROOK RD

15-1 REMOVE
Waukesha County ADOPT-A-HIGHWAY LITTER CONTROL Next 2 Miles
EDWARD JONES CHIP TINDER
WORKERS AHEAD

15-4 COUNTY TT
M1-5A
36" X 36"
REPLACE

15-16
R4-7
36" X 48"

15-17 STOP
R1-1F
36" X 36"

15-5 ONE WAY
R6-2L
30" X 36"

15-18 DO NOT ENTER
R5-1
36" X 36"

15-19 **
Meadowbrook Rd
M1-94H
108" X 18"

15-20 *
DO NOT ENTER
R5-1
36" X 36"

15-12 **
LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-50L
30" X 36"

15-21 * STOP
R1-1F
36" X 36"
REPLACE

15-31 STOP
R1-1
36" X 36"

15-22
W12-1D
24" X 24"
2' MOUNTING HEIGHT

15-8 H
15-9
D9-2
36" X 36"
M6-1
30" X 30"

15-13
Waukesha Memorial Hospital
REMOVE

15-10 WRONG WAY
R5-1A
42" X 30"

PERMANENT SIGNING BY OTHERS

15-23
R4-7
36" X 48"

15-28 *
DO NOT ENTER
R5-1
36" X 36"

15-30 **
LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-50L
30" X 36"

WAUKESHA BYPASS

MATCH LINE STA 338+00

15-11 WRONG WAY
R5-1A
42" X 30"

15-26
W12-1D
24" X 24"
2' MOUNTING HEIGHT

15-27 * STOP
R1-1F
36" X 36"
REPLACE

15-32 STOP
R1-1
36" X 36"

15-29 **
Meadowbrook Rd
M1-94H
108" X 18"

SEE NORTHVIEW RD SHEETS FOR PERMANENT SIGNING DETAILS

NORTHVIEW RD

15-6 ONE WAY
R6-2L
30" X 36"

15-24 STOP
R1-1F
36" X 36"

15-14 SPEED LIMIT 35
R2-1
36" X 48"
REPLACE

15-25 SPEED LIMIT 35
R2-1
36" X 48"

15-7 COUNTY TT
J4-1
24" X 36"

LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - WAUKESHA BYPASS	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

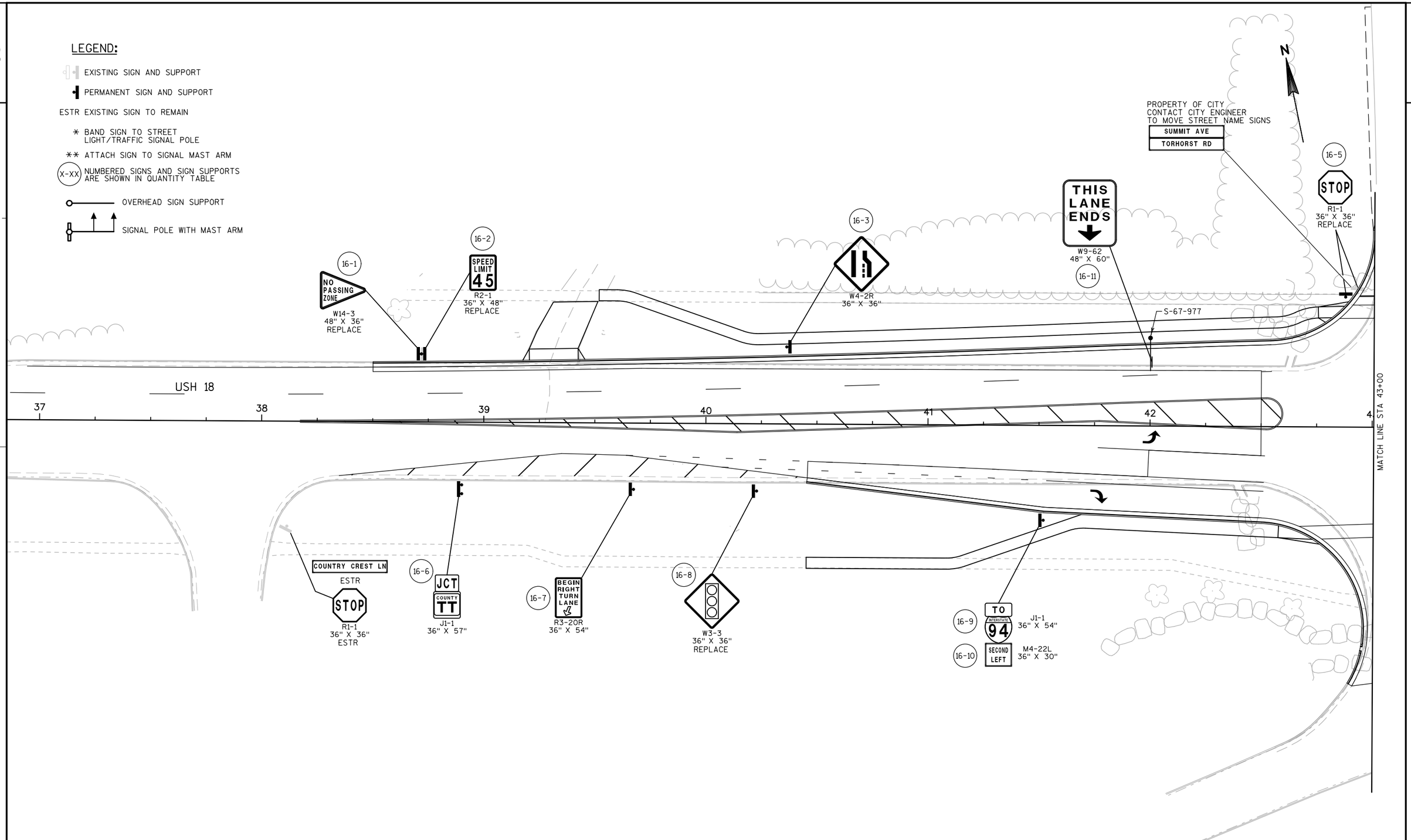
* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

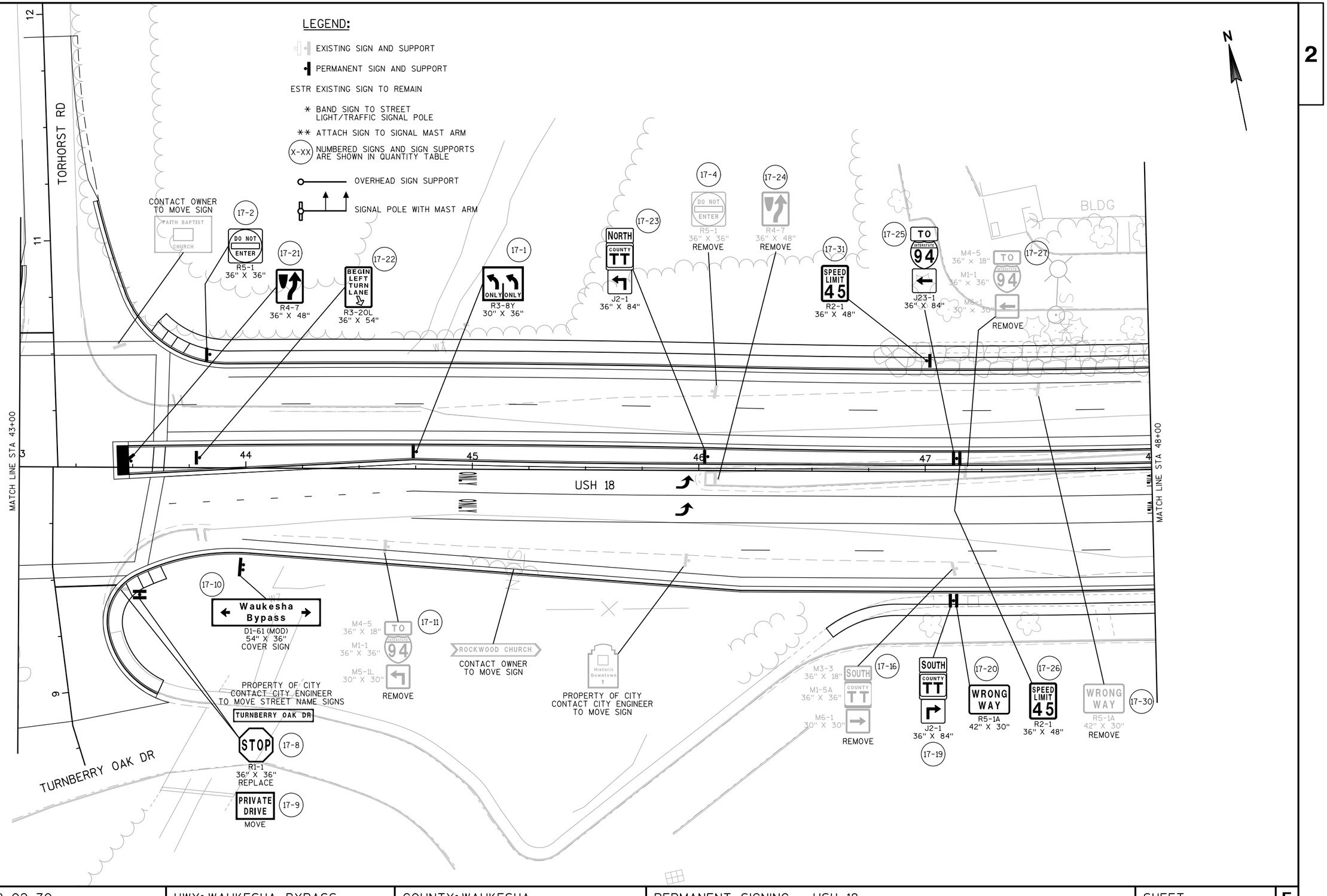
OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

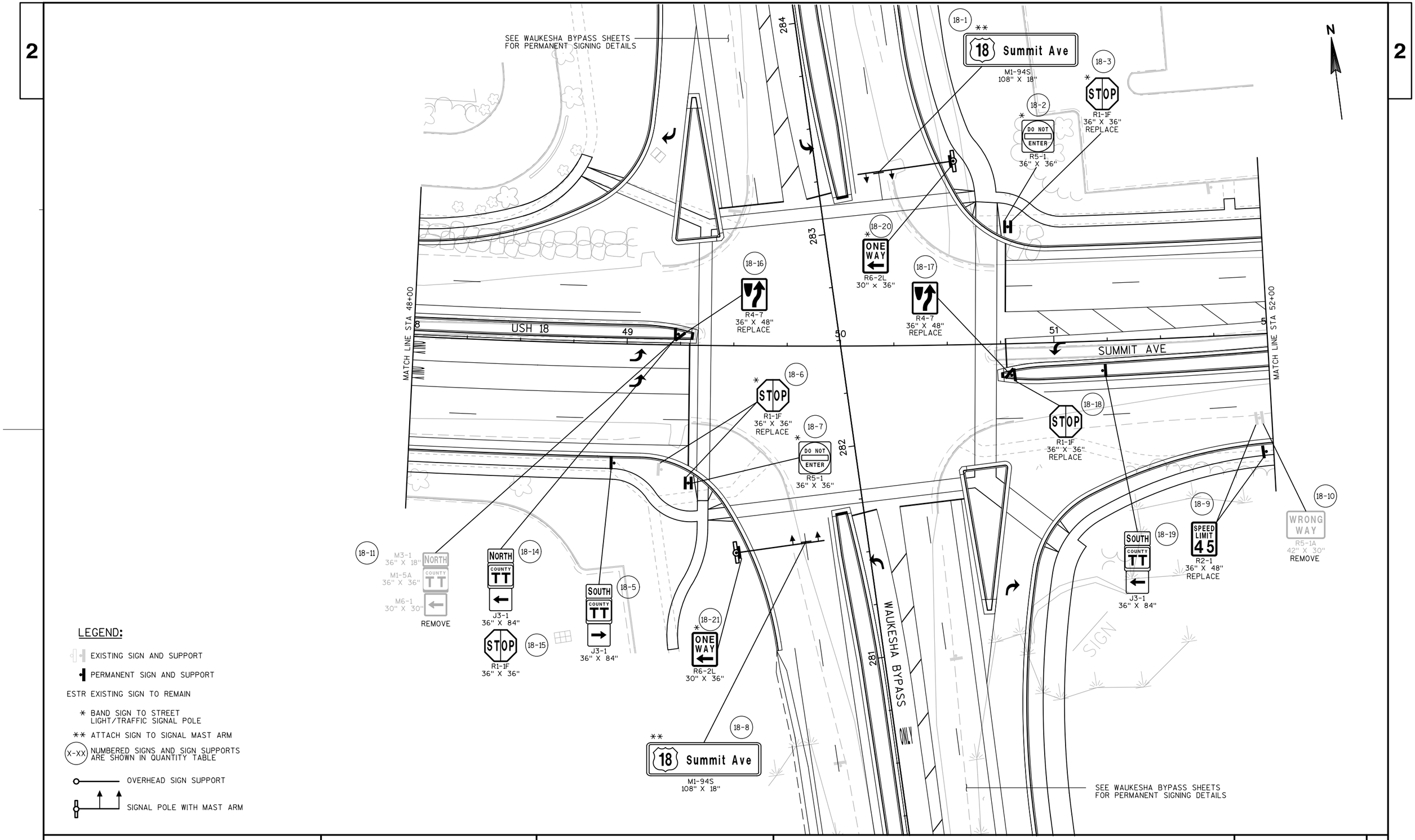


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - USH 18	SHEET	E

FILE NAME : FD_023216_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1



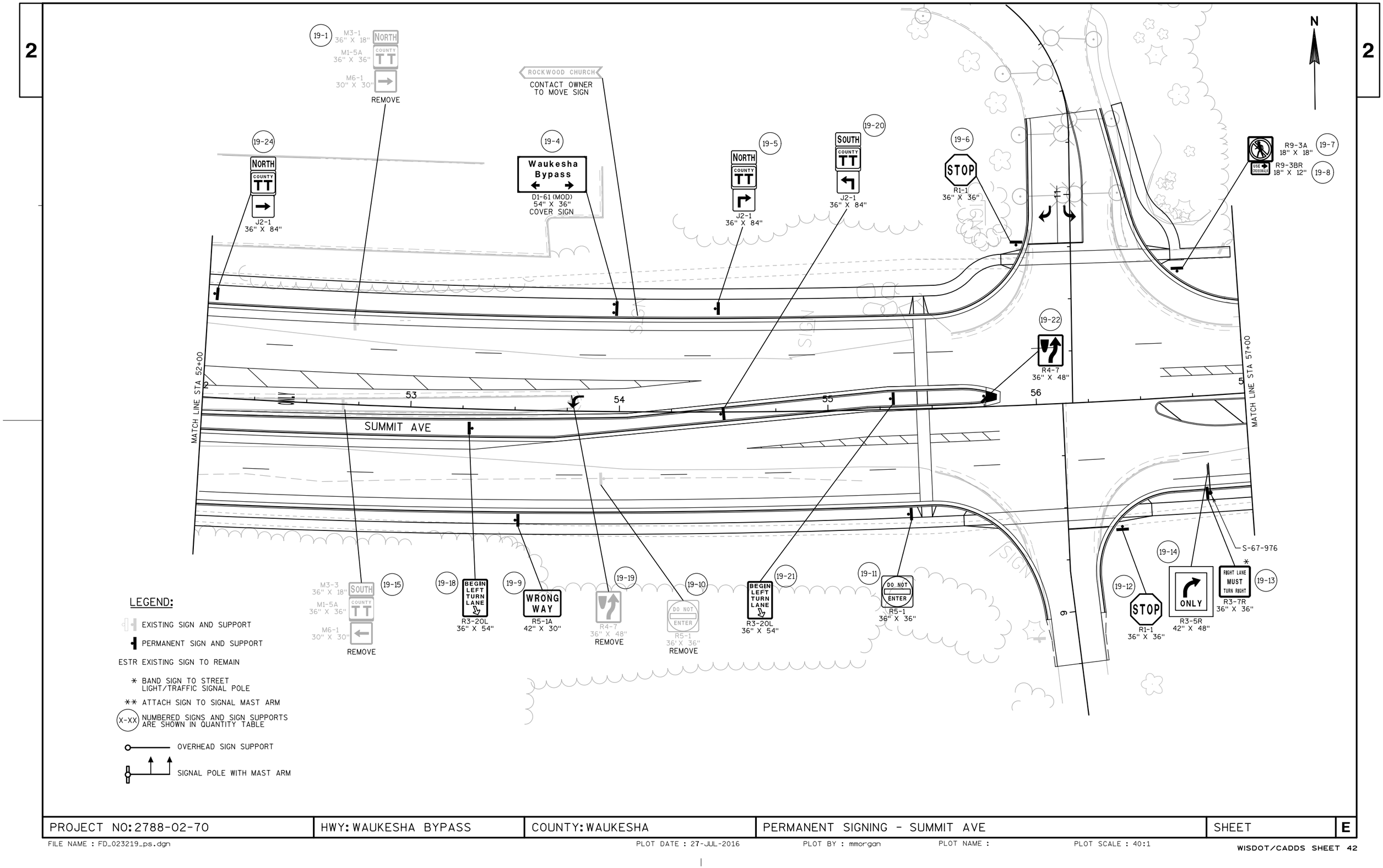
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - USH 18	SHEET	E



LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - USH 18/SUMMIT AVE	SHEET	E



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - SUMMIT AVE	SHEET	E

FILE NAME : FD_023219_ps.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 40:1

2

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N

MATCH LINE STA 57+00

58 59 60 61 62 63

SUMMIT AVE

20-1 W3-3 36" X 36" REPLACE

20-2 BEGIN RIGHT TURN LANE R3-2OR 36" X 54"

20-3 END SCHOOL ZONE S5-2 36" X 42" REPLACE

20-4 JCT COUNTY TT M2-1 30" X 21" M1-5A 36" X 36" REMOVE

20-6 JCT COUNTY TT J1-1 36" X 57"

20-7 S1-1 36" X 36"

20-8 W16-9P 30" X 18" AHEAD R2-6P 36" X 24" FINES HIGHER REPLACE

20-9

20-10 DO NOT ENTER FIRE TRUCK EXIT ONLY MOVE

20-11 DO NOT ENTER R5-1 30" X 30" MOVE

DO NOT ENTER R5-1 30" X 30" ESTR

20-12 RIGHT LANE MUST TURN RIGHT R3-7R 36" X 36"

STOP R1-1 36" X 36" ESTR

MH SIGN SIGN

9

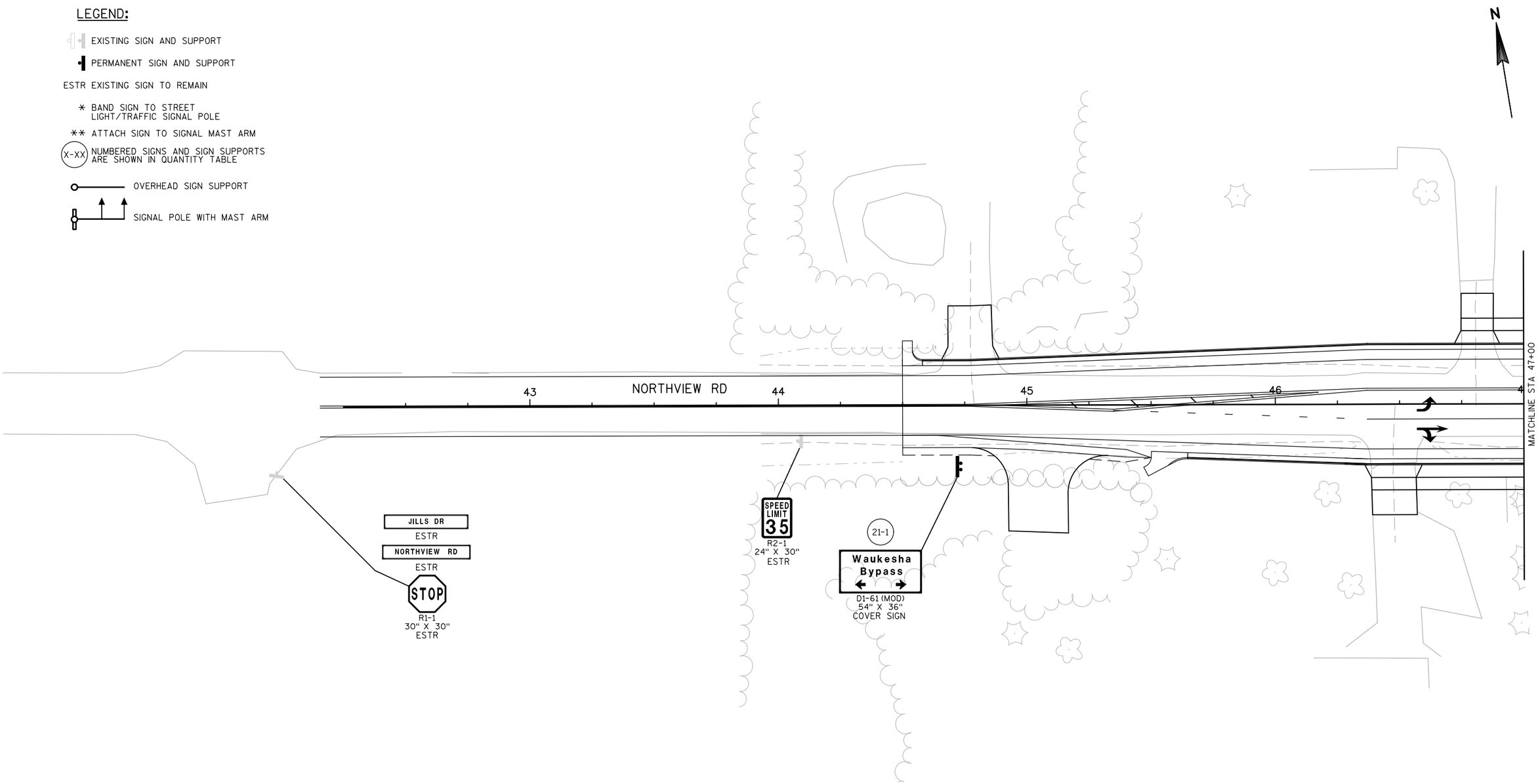
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - SUMMIT AVE	SHEET	E

2

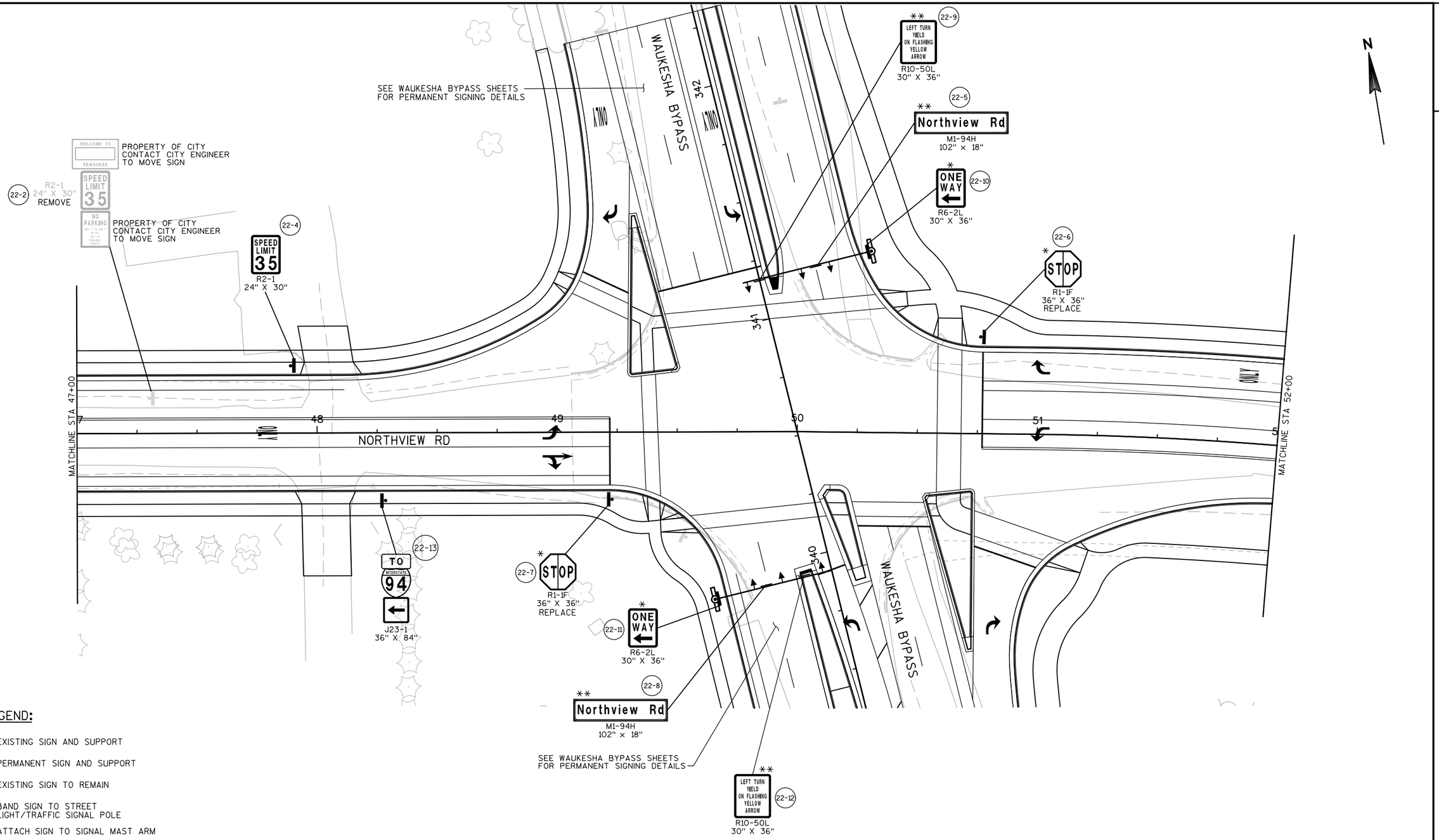
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LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - NORTHVIEW RD	SHEET	E



LEGEND:

- EXISTING SIGN AND SUPPORT
- PERMANENT SIGN AND SUPPORT
- ESTR EXISTING SIGN TO REMAIN
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE
- ** ATTACH SIGN TO SIGNAL MAST ARM
- (X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE
- OVERHEAD SIGN SUPPORT
- SIGNAL POLE WITH MAST ARM

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - NORTHVIEW RD	SHEET	E

2

LEGEND:

EXISTING SIGN AND SUPPORT

PERMANENT SIGN AND SUPPORT

ESTR EXISTING SIGN TO REMAIN

* BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE

** ATTACH SIGN TO SIGNAL MAST ARM

(X-XX) NUMBERED SIGNS AND SIGN SUPPORTS ARE SHOWN IN QUANTITY TABLE

OVERHEAD SIGN SUPPORT

SIGNAL POLE WITH MAST ARM

N

MATCHLINE STA 52+00

23-4
TO INTERSTATE 94
J23-1
36" X 84"

23-1
BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

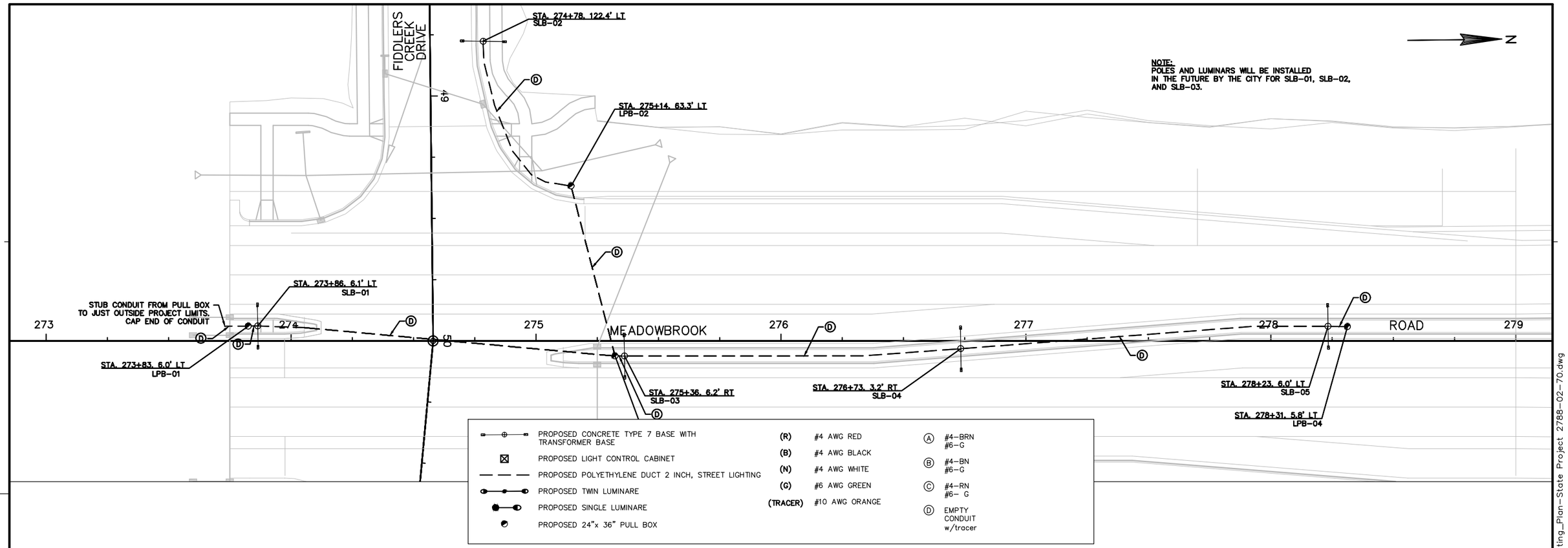
23-2
Waukesha Bypass
D1-61 (MOD)
54" X 36"
COVER SIGN

53 54 55 56 57

NORTHVIEW RD

23-3
SPEED LIMIT 35
R2-1
24" X 30"
REPLACE

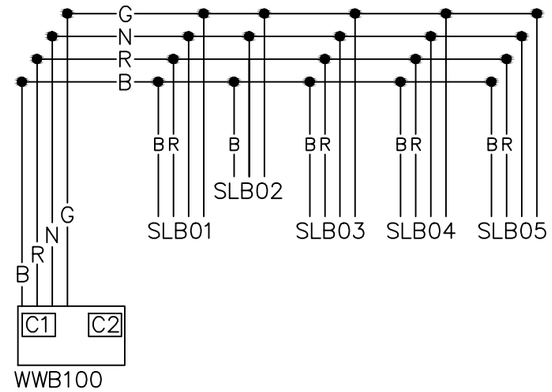
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PERMANENT SIGNING - NORTHVIEW RD	SHEET	E



ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-02-70 ROADWAY LIGHTING PLAN	APPROVED:____ DATE:____ APPROVED:____ DATE:____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:40 PM	SHEET NO. 1 OF 2 PROJECT NO: 2016-WAUK W. BYPASS

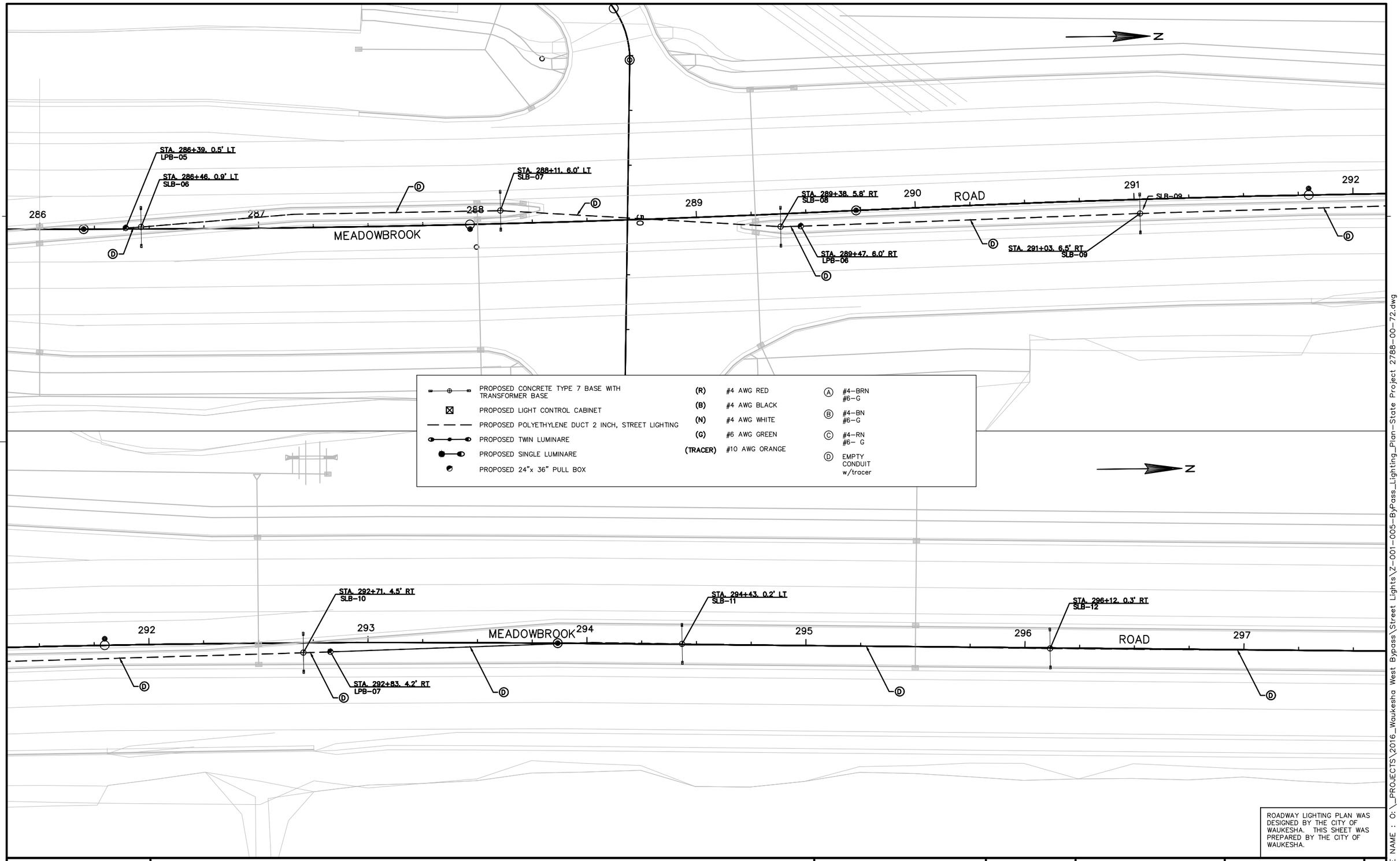
FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-ByPass_Lighting_Plan-State Project 2788-02-70.dwg



ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-02-70 ROADWAY LIGHTING PLAN	APPROVED: _____ DATE: _____ APPROVED: _____ DATE: _____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:40 PM	SHEET NO. 2 OF 2 PROJECT NO: 2016-WAUK W. BYPASS

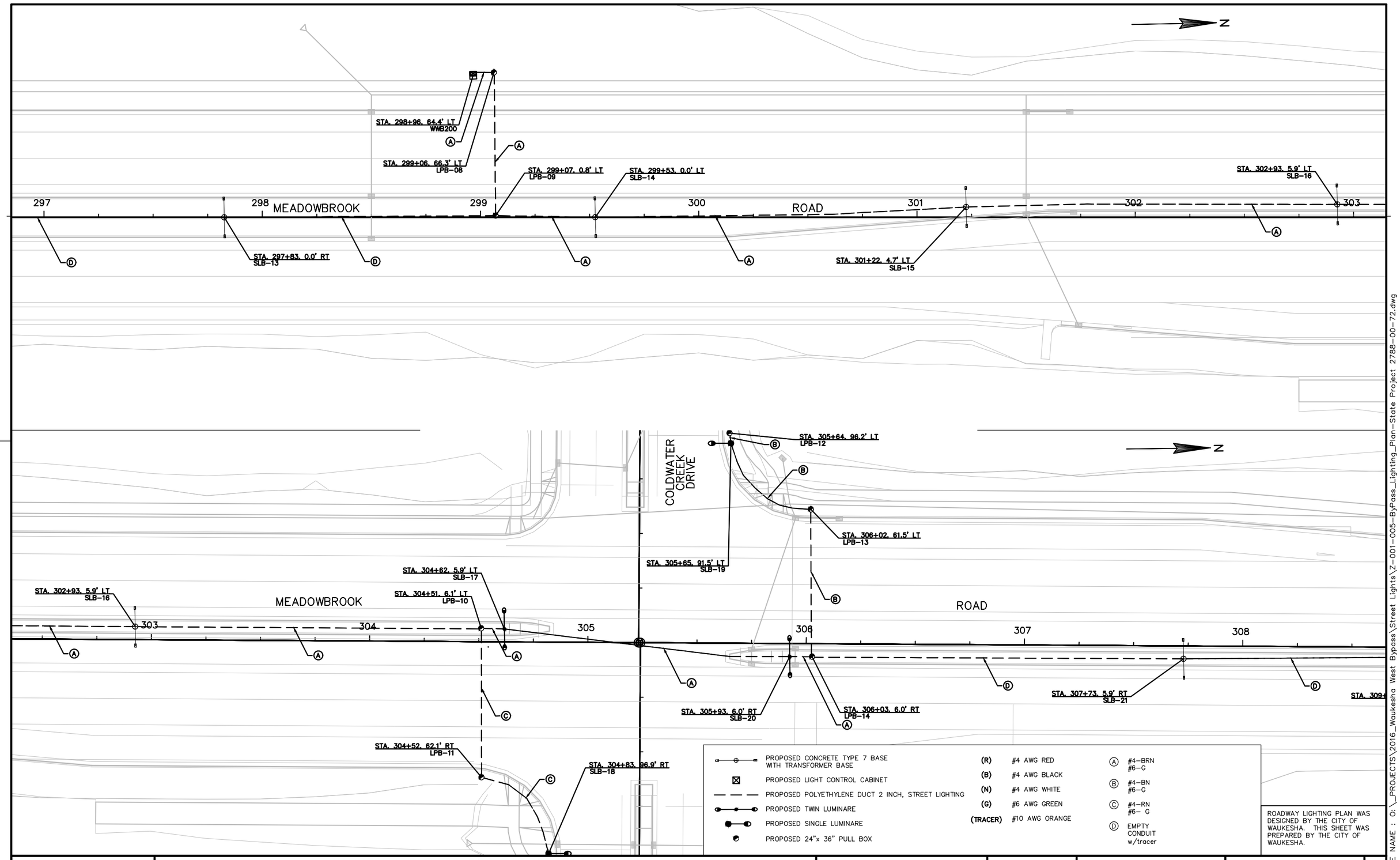
FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-ByPass_Lighting_Plan-State Project 2788-02-70.dwg



ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-00-72 ROADWAY LIGHTING PLAN	APPROVED:_____ DATE:_____ APPROVED:_____ DATE:_____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:34 PM	SHEET NO. 1 OF 6 PROJECT NO: 2016-WAUK W. BYPASS

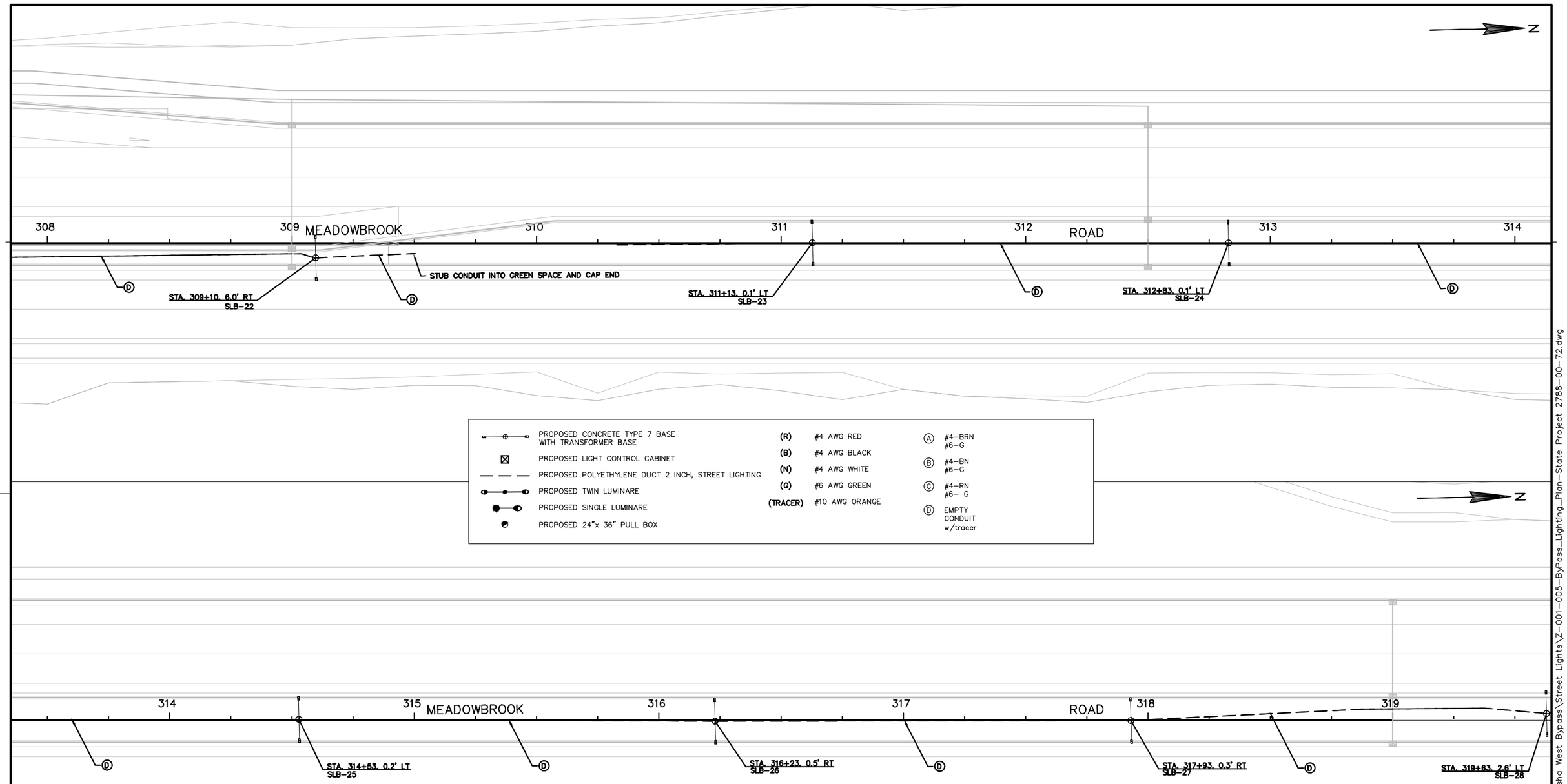
FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg



ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-00-72 ROADWAY LIGHTING PLAN	APPROVED:____ DATE:____ APPROVED:____ DATE:____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:34 PM	SHEET NO. 2 OF 6 PROJECT NO: 2016-WAUK W. BYPASS

FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg



PROPOSED CONCRETE TYPE 7 BASE WITH TRANSFORMER BASE

PROPOSED LIGHT CONTROL CABINET

PROPOSED POLYETHYLENE DUCT 2 INCH, STREET LIGHTING

PROPOSED TWIN LUMINARE

PROPOSED SINGLE LUMINARE

PROPOSED 24"x 36" PULL BOX

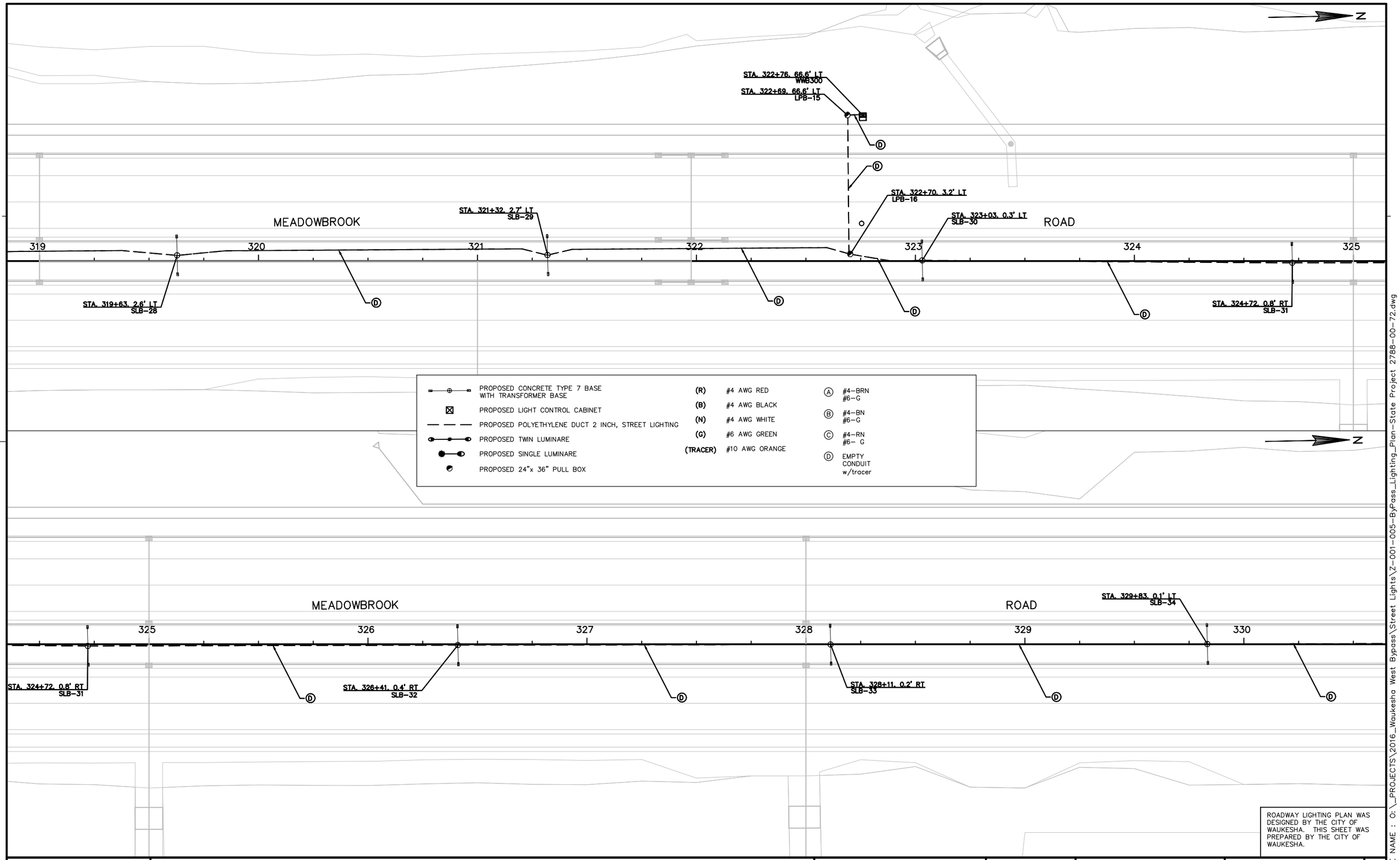
(R)	#4 AWG RED
(B)	#4 AWG BLACK
(N)	#4 AWG WHITE
(G)	#6 AWG GREEN
(TRACER)	#10 AWG ORANGE

Ⓐ	#4-BRN #6-G
Ⓑ	#4-BN #6-G
Ⓒ	#4-RN #6- G
Ⓓ	EMPTY CONDUIT w/tracer

ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-00-72 ROADWAY LIGHTING PLAN	APPROVED: _____ DATE: _____ APPROVED: _____ DATE: _____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:35 PM	SHEET NO. 3 OF 6 PROJECT NO: 2016-WAUK W. BYPASS

FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg



ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-00-72 ROADWAY LIGHTING PLAN	APPROVED:____ DATE:____ APPROVED:____ DATE:____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:35 PM	SHEET NO. 4 OF 6 PROJECT NO: 2016-WAUK W. BYPASS

FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg

MEADOWBROOK ROAD

330 331 332 333 334 335 336

STA. 331+53. 0.5' LT
SLB-35

STA. 333+23. 0.2' RT
SLB-36

STA. 334+93. 0.4' RT
SLB-37

MEADOWBROOK ROAD

336 337 338 339 340 341

STA. 336+63. 2.6' LT
SLB-38

STA. 336+70. 2.5' LT
LPB-17

NORTHVIEW ROAD

PROPOSED CONCRETE TYPE 7 BASE WITH TRANSFORMER BASE

PROPOSED LIGHT CONTROL CABINET

PROPOSED POLYETHYLENE DUCT 2 INCH, STREET LIGHTING

PROPOSED TWIN LUMINARE

PROPOSED SINGLE LUMINARE

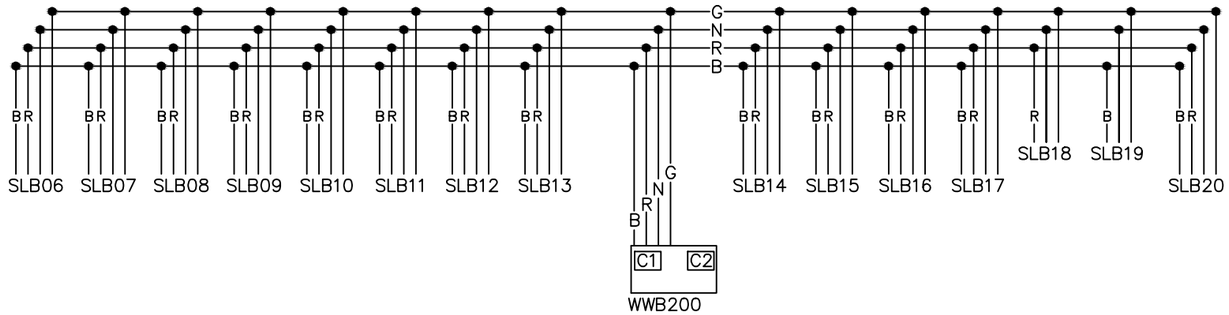
PROPOSED 24"x 36" PULL BOX

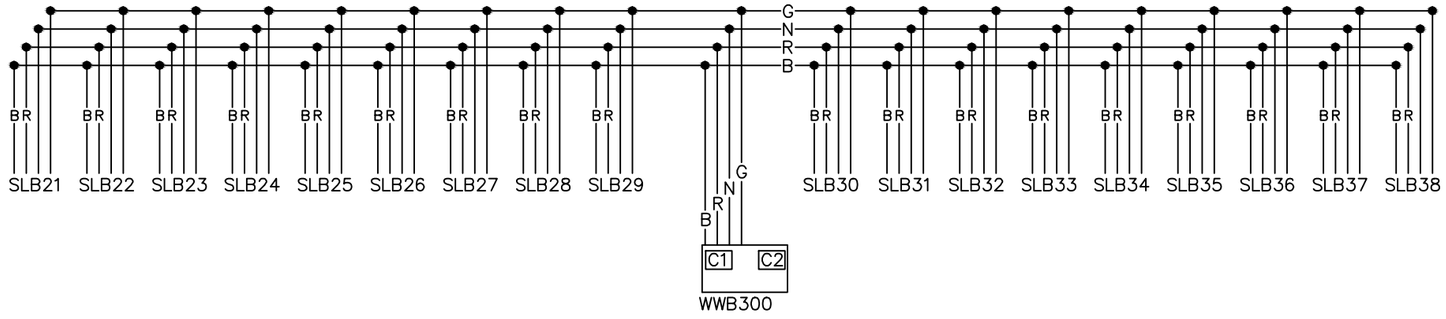
(R)	#4 AWG RED	Ⓐ	#4–BRN #6–G
(B)	#4 AWG BLACK	Ⓑ	#4–BN #6–G
(N)	#4 AWG WHITE	Ⓒ	#4–RN #6– G
(G)	#6 AWG GREEN	Ⓓ	EMPTY CONDUIT w/tracer
(TRACER)	#10 AWG ORANGE		

ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788–00–72 ROADWAY LIGHTING PLAN	APPROVED:____ DATE:____ APPROVED:____ DATE:____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:35 PM	SHEET NO. 5 OF 6 PROJECT NO: 2016–WAUK W. BYPASS

FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg





ROADWAY LIGHTING PLAN WAS DESIGNED BY THE CITY OF WAUKESHA. THIS SHEET WAS PREPARED BY THE CITY OF WAUKESHA.

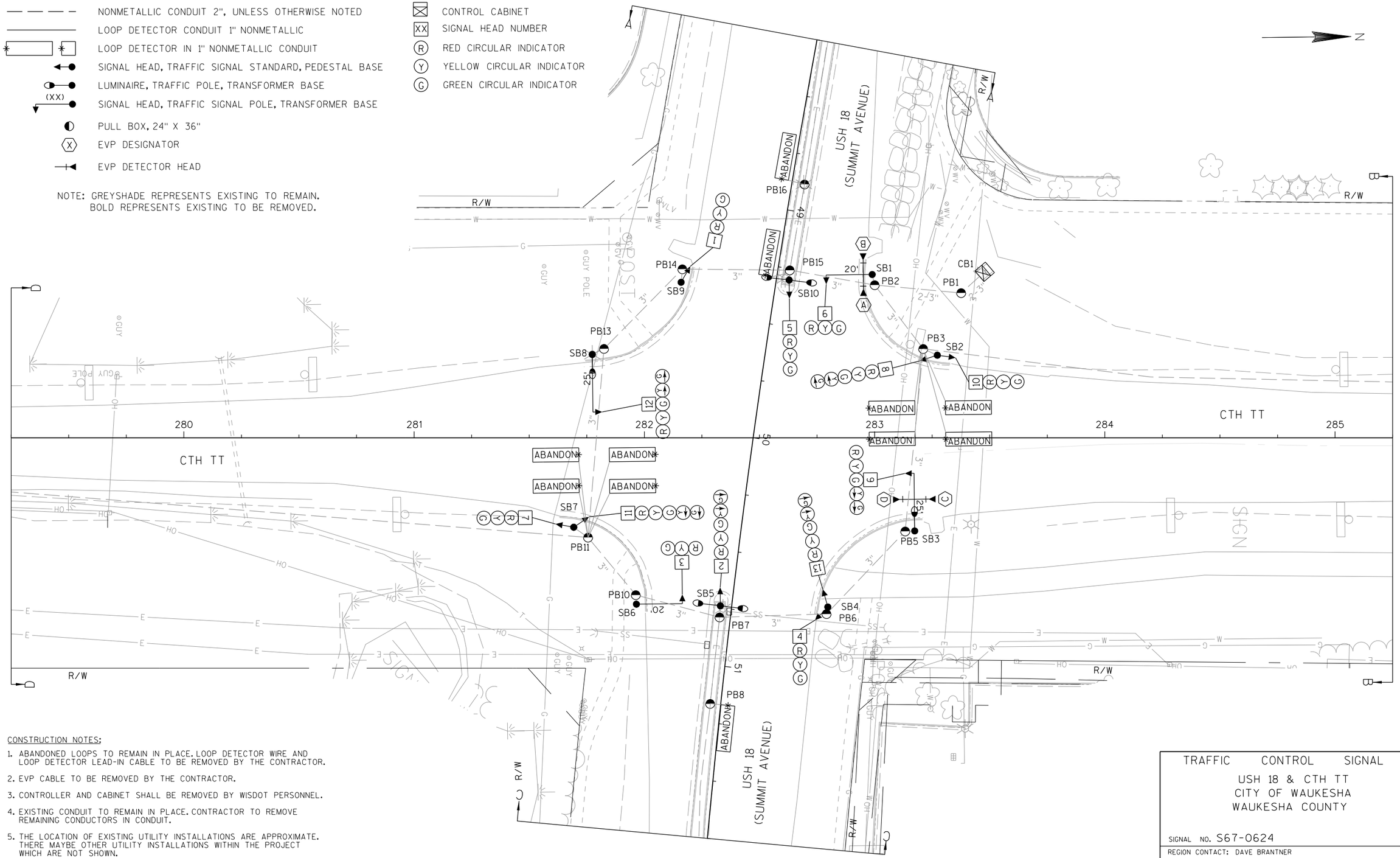
CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	WAUKESHA BYPASS PROJECT ID 2788-00-72 ROADWAY LIGHTING PLAN	APPROVED: _____ DATE: _____ APPROVED: _____ DATE: _____	DRAWN BY: MFG CHECKED BY: JJH	PLOT SCALE : 1 IN : 40 FT PLOT DATE : 7/28/2016 2:35 PM	SHEET NO. 6 OF 6 PROJECT NO: 2016-WAUK W. BYPASS

FILE NAME : O:_PROJECTS\2016_Waukesha West Bypass\Street Lights\Z-001-005-ByPass_Lighting_Plan-State Project 2788-00-72.dwg

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONTROL CABINET
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR

NOTE: GREYSHADE REPRESENTS EXISTING TO REMAIN.
BOLD REPRESENTS EXISTING TO BE REMOVED.



CONSTRUCTION NOTES:

1. ABANDONED LOOPS TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LOOP DETECTOR LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
2. EVP CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CONTROLLER AND CABINET SHALL BE REMOVED BY WISDOT PERSONNEL.
4. EXISTING CONDUIT TO REMAIN IN PLACE. CONTRACTOR TO REMOVE REMAINING CONDUCTORS IN CONDUIT.
5. THE LOCATION OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAYBE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL SIGNAL
USH 18 & CTH TT
CITY OF WAUKESHA
WAUKESHA COUNTY

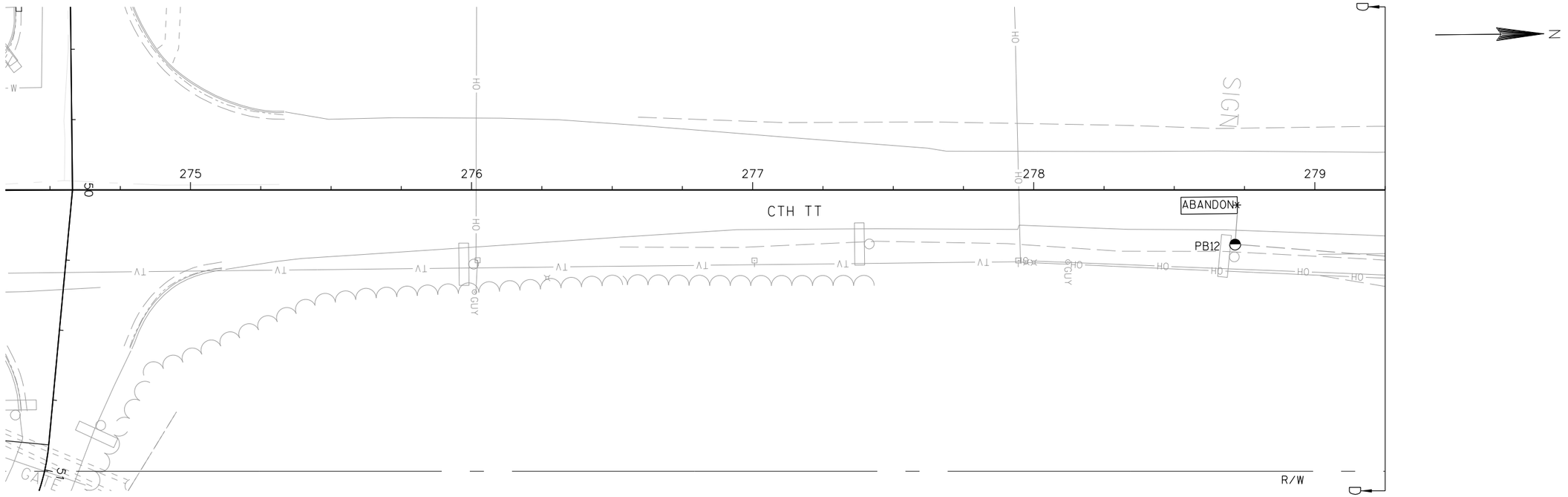
SIGNAL NO. S67-0624

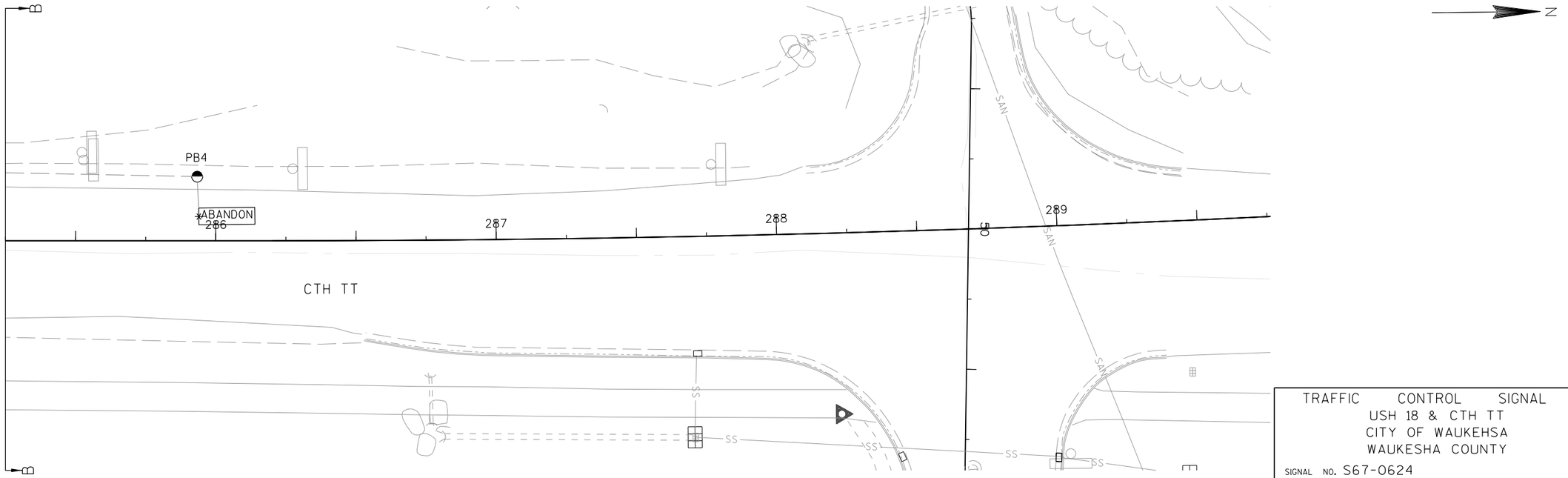
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\024011_sp.dgn
PLOT DATE : 7/6/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.





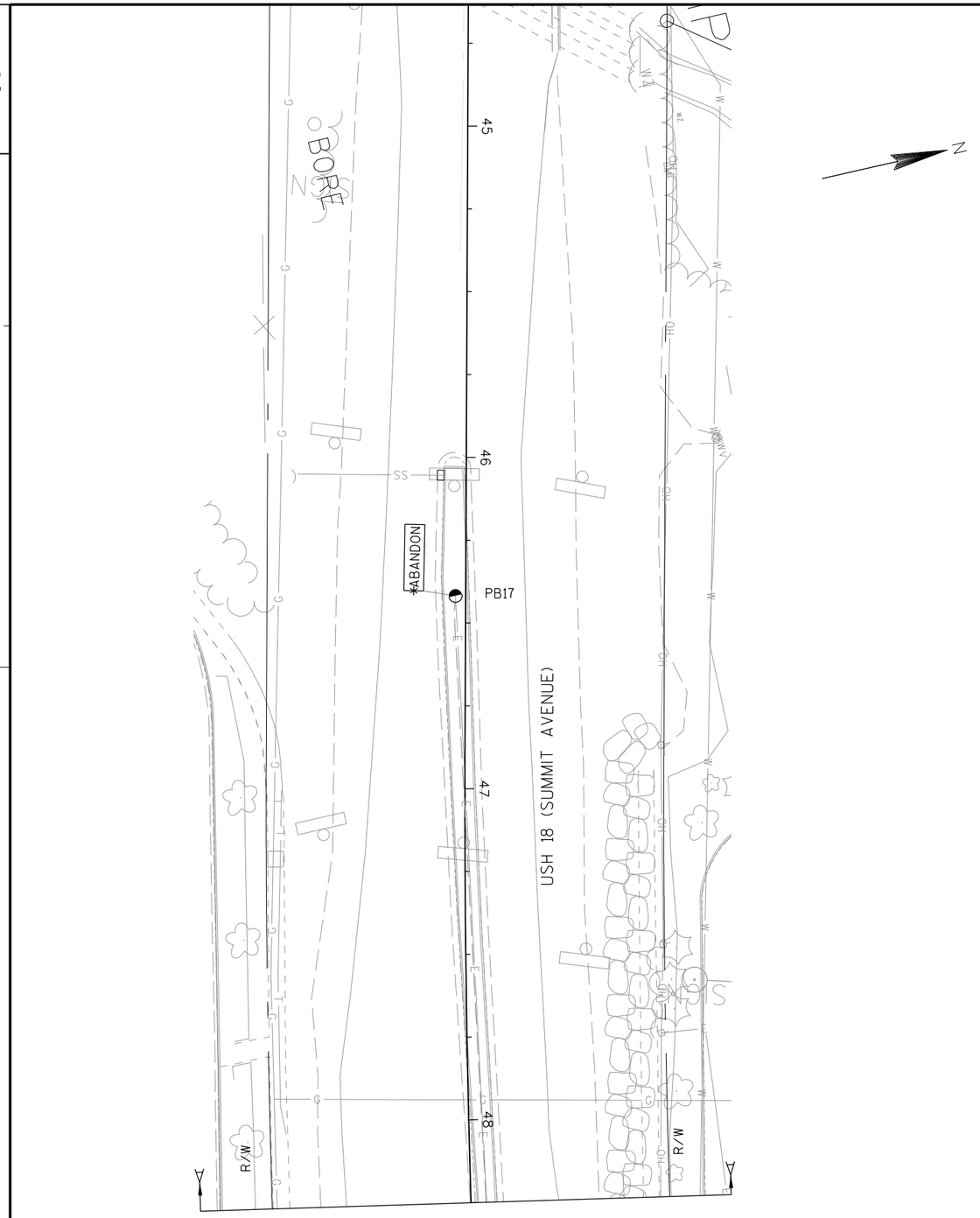
TRAFFIC CONTROL SIGNAL
USH 18 & CTH TT
CITY OF WAUKEHSA
WAUKESHA COUNTY

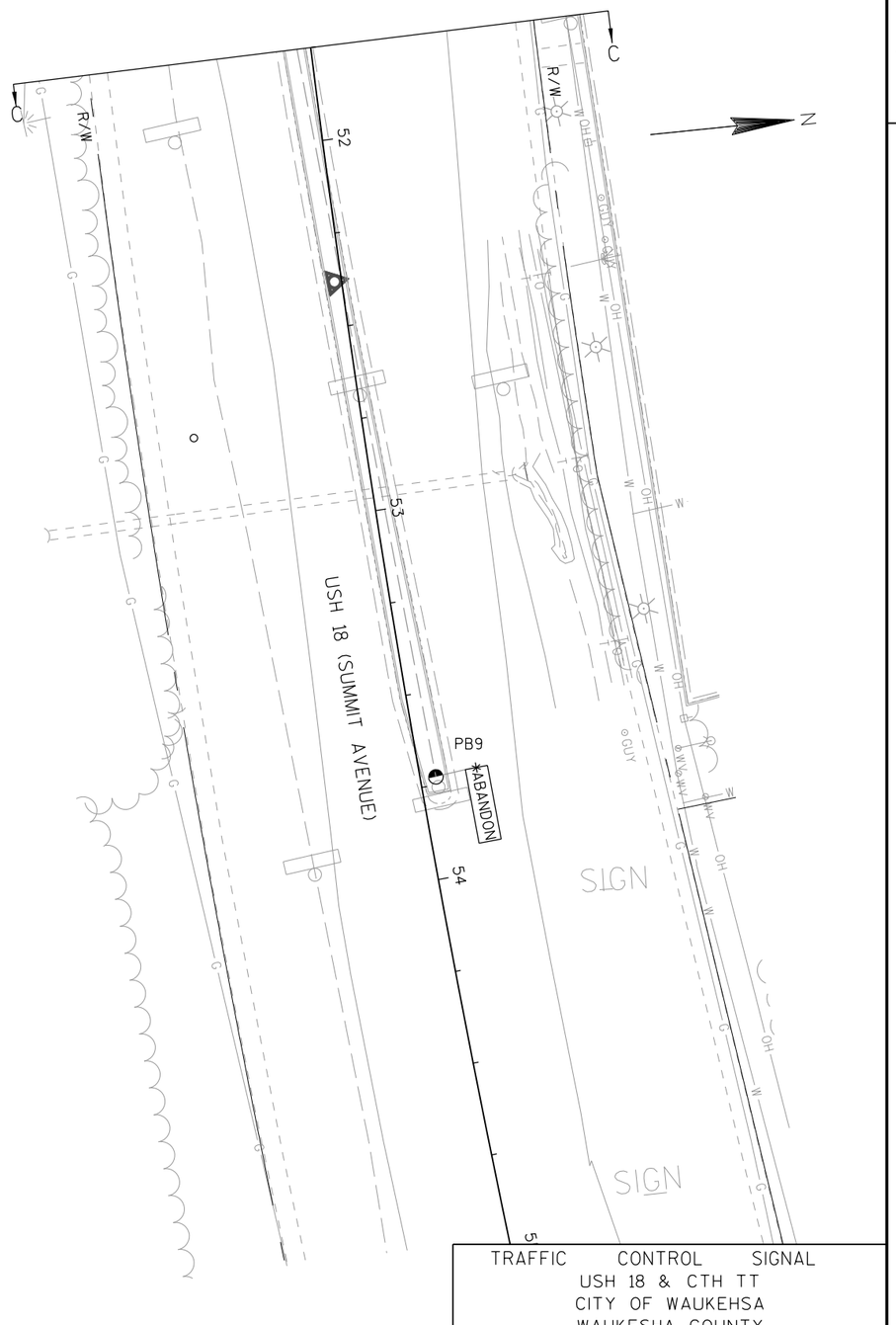
SIGNAL NO. S67-0624

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PAGE 2 OF 3

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E





2

TRAFFIC CONTROL SIGNAL
USH 18 & CTH TT
CITY OF WAUKEHSA
WAUKESHA COUNTY

SIGNAL NO. S67-0624

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\024013_sp.dgn
PLOT DATE : 7/6/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

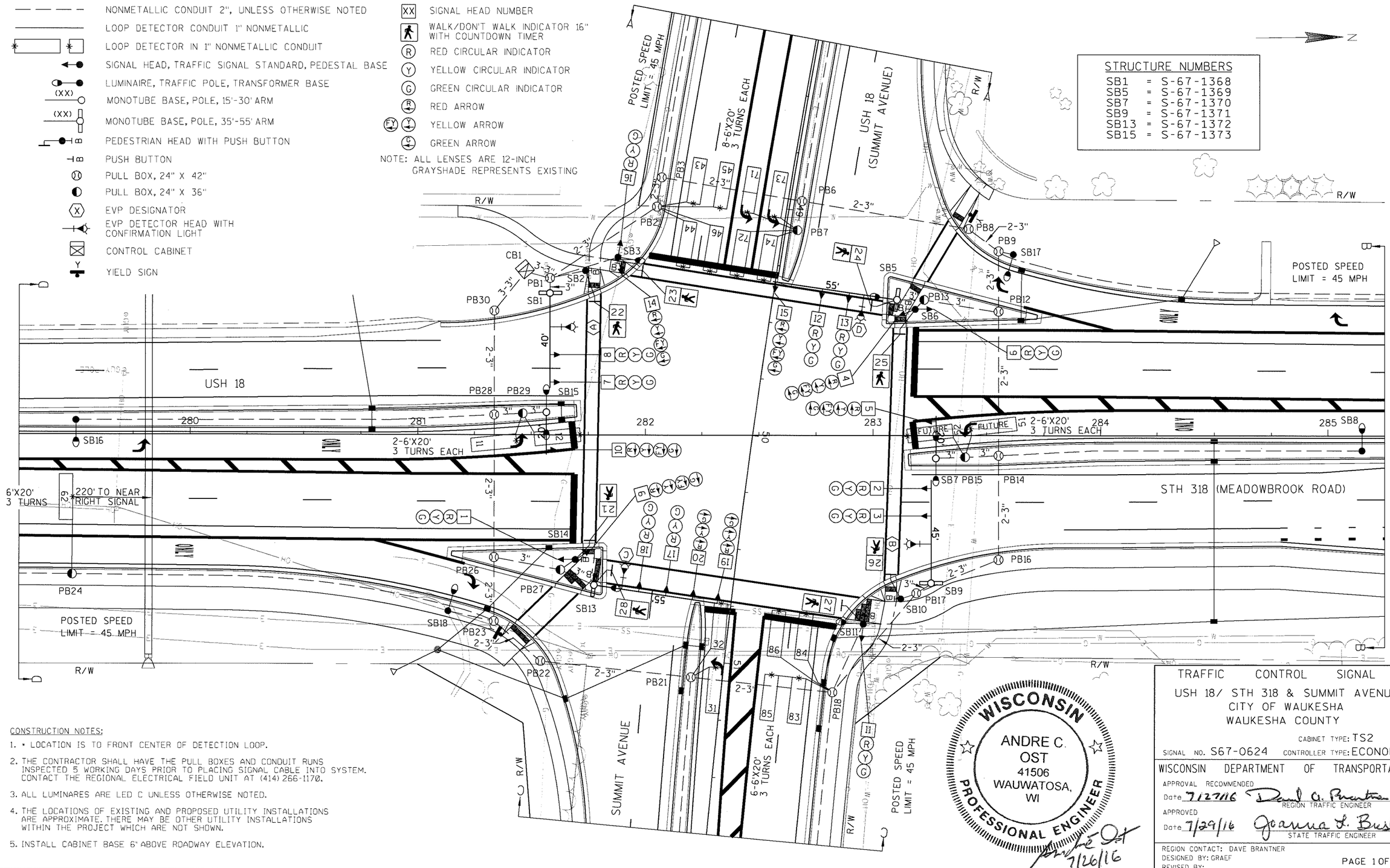
LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- PULL BOX, 24" X 42"
- PULL BOX, 24" X 36"
- EVP DESIGNATOR
- EVP DETECTOR HEAD WITH CONFIRMATION LIGHT
- CONTROL CABINET
- Y YIELD SIGN
- XX SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

STRUCTURE NUMBERS

SB1	=	S-67-1368
SB5	=	S-67-1369
SB7	=	S-67-1370
SB9	=	S-67-1371
SB13	=	S-67-1372
SB15	=	S-67-1373



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTION LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. ALL LUMINARES ARE LED C UNLESS OTHERWISE NOTED.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.

WISCONSIN
ANDRE C. OST
41506
WAUWATOSA, WI
PROFESSIONAL ENGINEER
7/26/16

TRAFFIC CONTROL SIGNAL

USH 18/ STH 318 & SUMMIT AVENUE
CITY OF WAUKESHA
WAUKESHA COUNTY

CABINET TYPE: TS2
SIGNAL NO. S67-0624 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 7/27/16 David C. Brantner, P.E. REGION TRAFFIC ENGINEER

APPROVED
Date 7/29/16 Joanna L. Bush STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

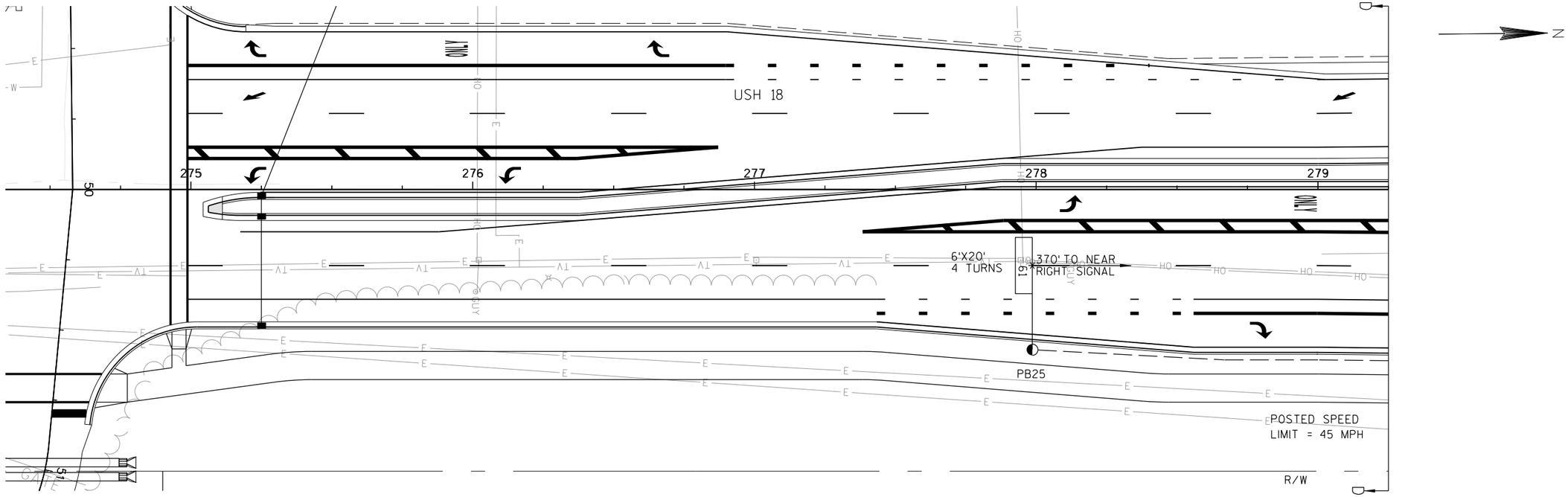
PAGE 1 OF 4

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET	E

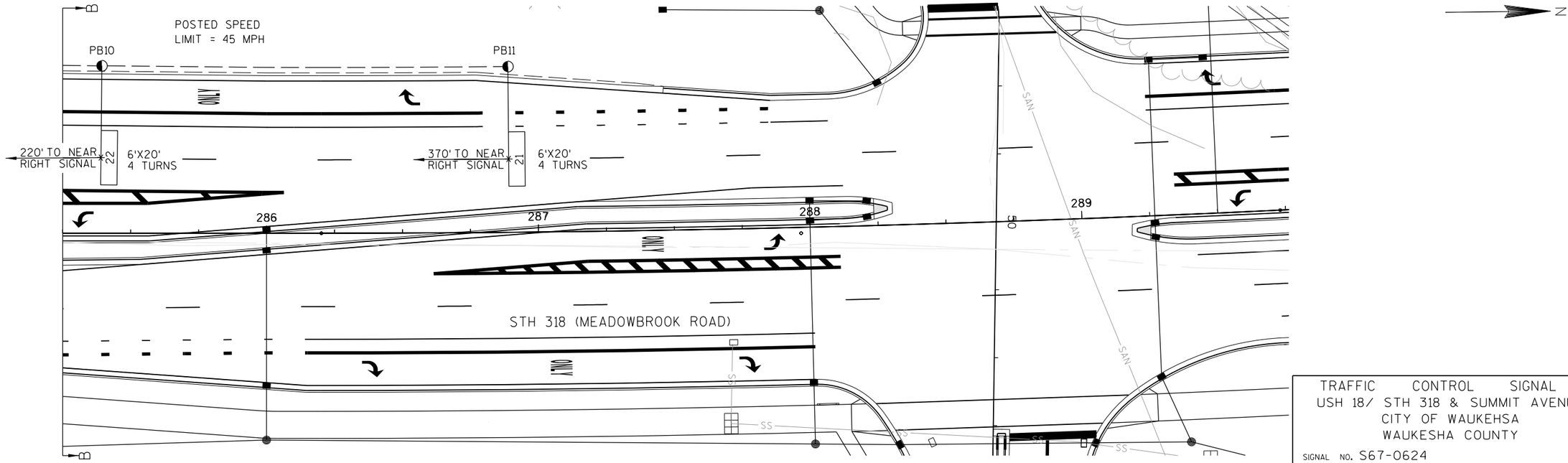
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WISDOT/CADDS SHEET 42

7/27/16



2



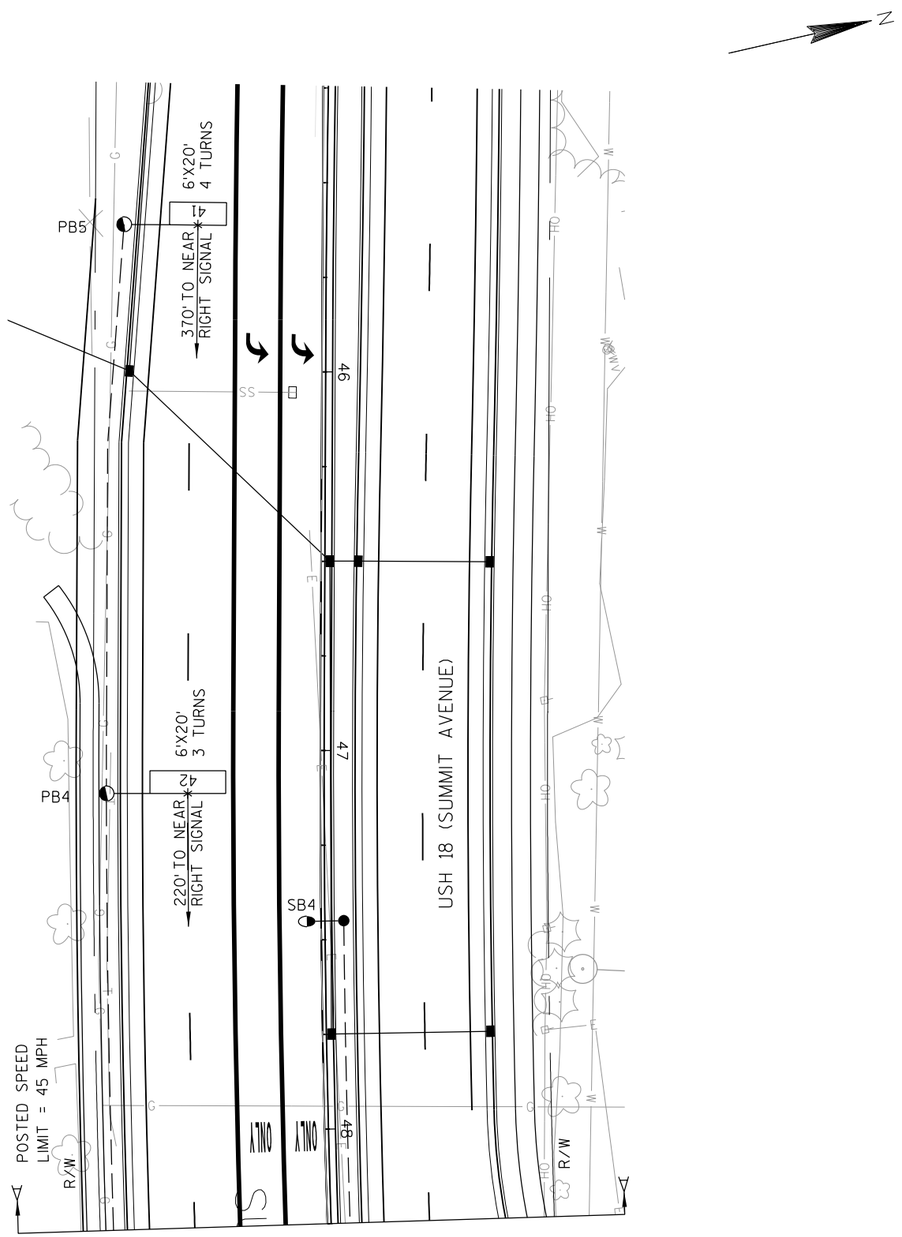
TRAFFIC CONTROL SIGNAL
USH 18/ STH 318 & SUMMIT AVENUE
CITY OF WAUKEHSA
WAUKESHA COUNTY

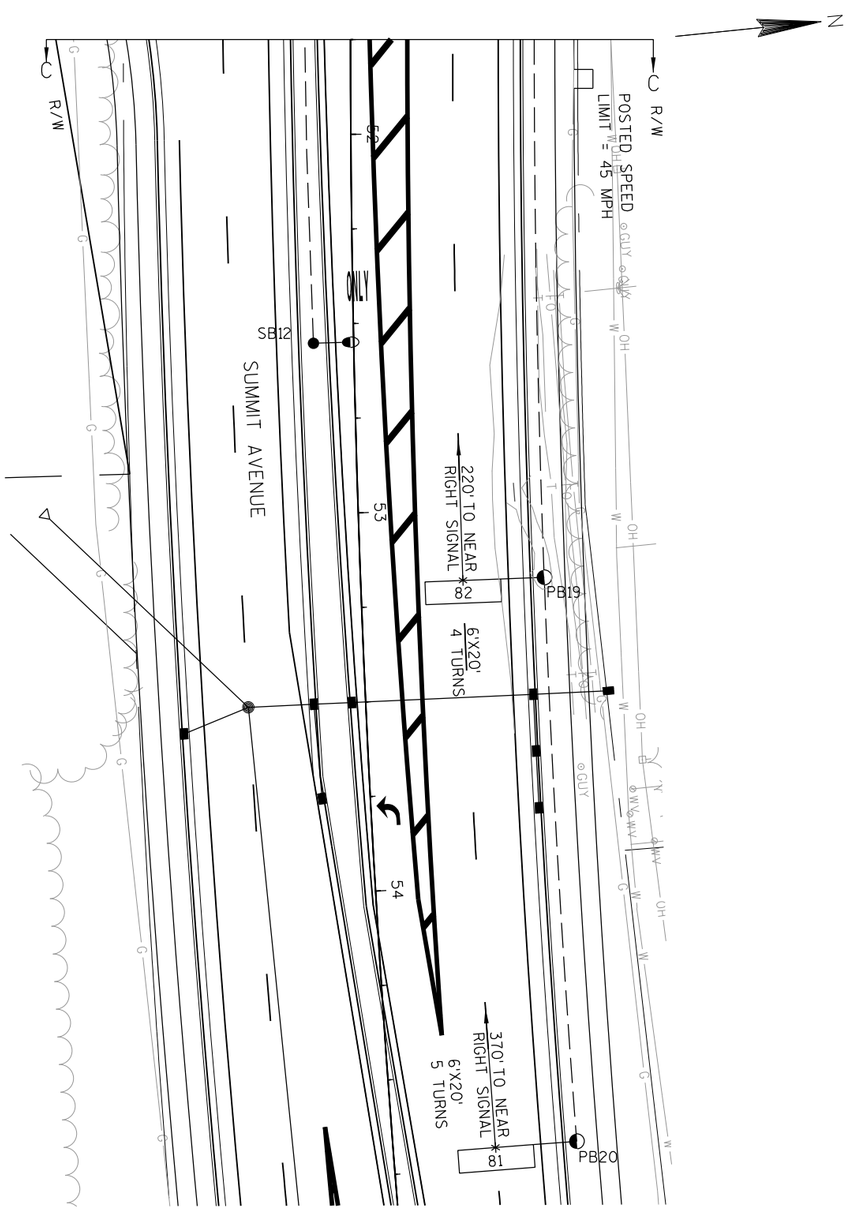
SIGNAL NO. S67-0624

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\024022_sp.dgn
PLOT DATE : 7/26/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
USH 18/ STH 318 & SUMMIT AVENUE
CITY OF WAUKEHSA
WAUKESHA COUNTY

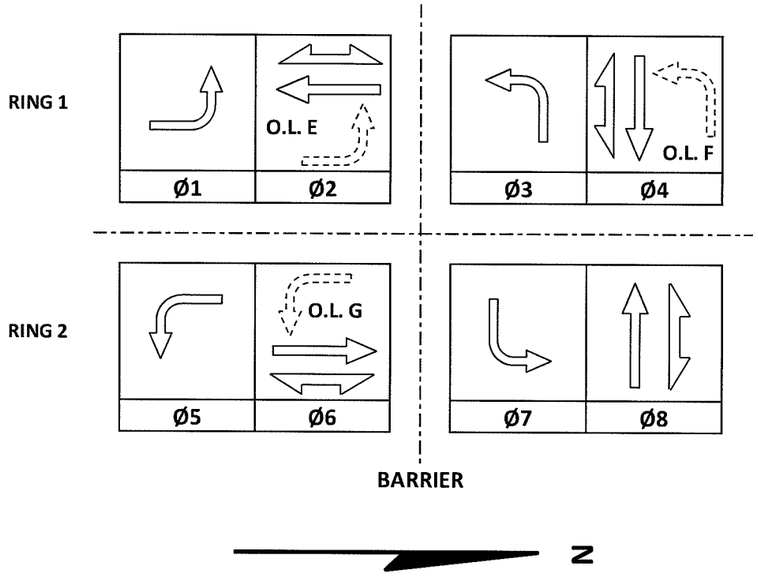
SIGNAL NO. S67-0624

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\024023_sp.dgn
PLOT DATE : 7/26/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3	14,15	R ←
Ø4	16,17,18	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7	19,20	R ←
Ø8	11,12,13	R
Ø2P	23,24	
Ø4P	21,22	
Ø6P	27,28	
Ø8P	25,26	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	31	41	43	45	51	61
CALLED PHASE	1	2	3	4	4	4	FUTURE	6
CALL OPTION	X	X	X		X	X		X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X		X
EXTEND TIME				X				
USE ADDED INITIAL		X						X
CROSS SWITCH PHASE	2		4					

19	17	23	21	27	25	31	29	DETECTOR INPUT
71	73	81	83	85				PLAN LOOP DETECTOR*(S)
7	7	8	8	8				CALLED PHASE
X	X		X	X				CALL OPTION
			X					DELAY TIME
X	X	X	X	X				EXTENTION OPTION
		X						EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	32	42	44	46	52	62
CALLED PHASE	1	2	3	4	4	4	FUTURE	6
CALL OPTION	X	X	X		X	X		X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X		X
EXTEND TIME				X				
USE ADDED INITIAL		X						X
CROSS SWITCH PHASE	2		4					

20	18	24	22	28	26	32	30	DETECTOR INPUT
72	74	82	84	86				PLAN LOOP DETECTOR*(S)
7	7	8	8	8				CALLED PHASE
X	X		X	X				CALL OPTION
			X					DELAY TIME
X	X	X	X	X				EXTENTION OPTION
		X						EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

USH 18 / STH 318 & SUMMIT AVENUE
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO: S67-0624	CABINET TYPE: TS2
	CONTROLLER TYPE: ECONOLITE
DATE: 7/16	PAGE NO. 4 OF 4

DTO 7/26/16
DAB 7/26/16

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	SEQUENCE OF OPERATIONS	SHEET NO: E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

PROJECT ID:	2788-02-70
INTERSECTION:	USH 18/STH 318 & SUMMIT AVENUE

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR								PED BUTTON
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	FLASHING <YELLOW>	D/WALK	WALK	
SB1	7											
		7	RED	ORG	GRN							
		8	RED	ORG	GRN							
SB2	7											
		22								BLK	BLU	
		B										WHT/BLK
SB3	12											
		14				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		16	RED	ORG	GRN							
		23								BLK	BLU	
		B										WHT/BLK
SB5	12											
		12	RED	ORG	GRN							
		13	RED	ORG	GRN							
		15				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		24								BLK	BLU	
		B										WHT/BLK
SB6	12											
		4				RED	ORG	GRN	BLK/WHT			
		6	RED/BLK	ORG/BLK	GRN/BLK							
		25								BLK	BLU	
		B										WHT/BLK
SB7	7											
		5				RED	ORG	GRN	BLK			
SB9	7											
		2	RED	ORG	GRN							
		3	RED	ORG	GRN							
SB10	7											
		26								BLK	BLU	
		B										WHT/BLK
SB11	12											
		11	RED	ORG	GRN							
		27								BLK	BLU	
		B										WHT/BLK
SB13	12											
		17	RED	ORG	GRN							
		18	RED	ORG	GRN							
		19				RED/BLK	ORG/BLK	GRN/BLK				
		20				RED/BLK	ORG/BLK	GRN/BLK				
		28								BLK	BLU	
		B										WHT/BLK
SB14	12											
		1	RED	ORG	GRN							
		9				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		21								BLK	BLU	
		B										WHT/BLK
SB15	7											
		10				RED	ORG	GRN	BLK			

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB5
SB5	SB6
SB6	SB7
SB7	SB9
SB9	SB10
SB10	SB11
SB11	SB13
SB13	SB14
SB14	SB15
SB15	CB1

EMERGENCY VEHICLE PREEMPTION	
FROM	TO
CB1	HEAD A (SB1)
CB1	HEAD B (SB9)
CB1	HEAD C (SB13)
CB1	HEAD D (SB5)

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	SB1
PB2	SB1
PB3	SB1
PB6	SB4
PB8	SB17
PB9	SB17
PB12	SB6
PB13	SB6
PB14	SB7
PB15	SB7
PB16	SB9
PB17	SB9
PB18	SB11
PB21	SB11
PB22	SB18
PB23	SB18
PB26	SB14
PB27	SB14
PB28	SB15
PB29	SB15
PB30	CB1

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB3
SB3	SB4
SB4	SB17
SB17	SB5
SB5	SB7
SB7	SB8
CB1	SB15
SB15	SB16
SB16	SB13
SB13	SB18
SB18	SB12
SB12	SB11

NOTES:
*USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
*RECONNECT THE GROUNDING CONDUCTORS WHENEVER THE CIRCUIT HAS BEEN INTERRUPTED TO ENSURE THE GROUNDING CIRCUIT IS COMPLETE.

TRAFFIC CONTROL SIGNAL
USH 18 / STH 318 & SUMMIT AVENUE
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-0624

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

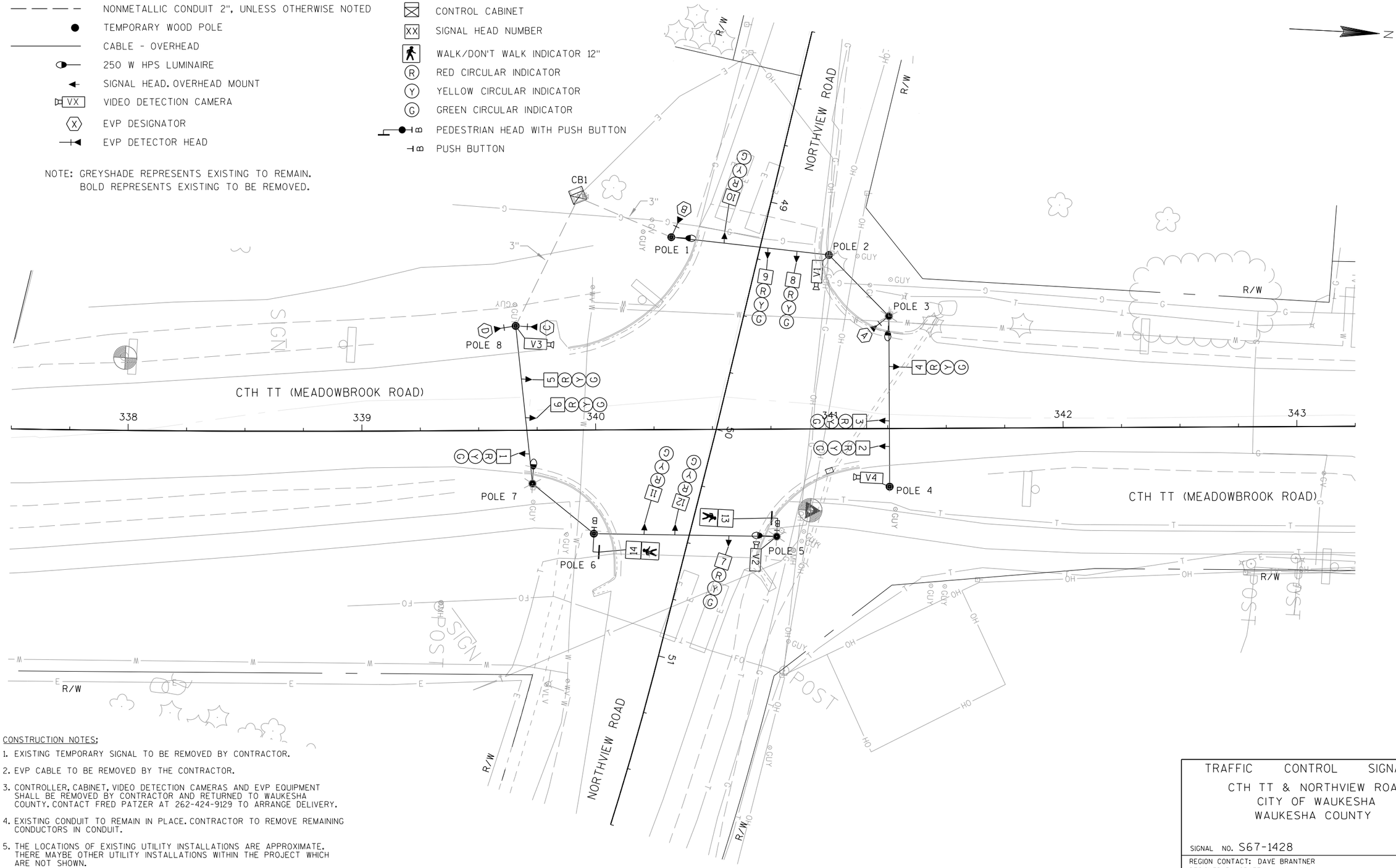
PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	CABLE ROUTING	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\024201_cr.dgn
PLOT DATE : 7/6/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- TEMPORARY WOOD POLE
- CABLE - OVERHEAD
- 250 W HPS LUMINAIRE
- SIGNAL HEAD. OVERHEAD MOUNT
- VX VIDEO DETECTION CAMERA
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONTROL CABINET
- XX SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 12"
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON

NOTE: GREYSHADE REPRESENTS EXISTING TO REMAIN.
BOLD REPRESENTS EXISTING TO BE REMOVED.



CONSTRUCTION NOTES:

1. EXISTING TEMPORARY SIGNAL TO BE REMOVED BY CONTRACTOR.
2. EVP CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CONTROLLER, CABINET, VIDEO DETECTION CAMERAS AND EVP EQUIPMENT SHALL BE REMOVED BY CONTRACTOR AND RETURNED TO WAUKESHA COUNTY. CONTACT FRED PATZER AT 262-424-9129 TO ARRANGE DELIVERY.
4. EXISTING CONDUIT TO REMAIN IN PLACE. CONTRACTOR TO REMOVE REMAINING CONDUCTORS IN CONDUIT.
5. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAYBE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL SIGNAL

CTH TT & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1428

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

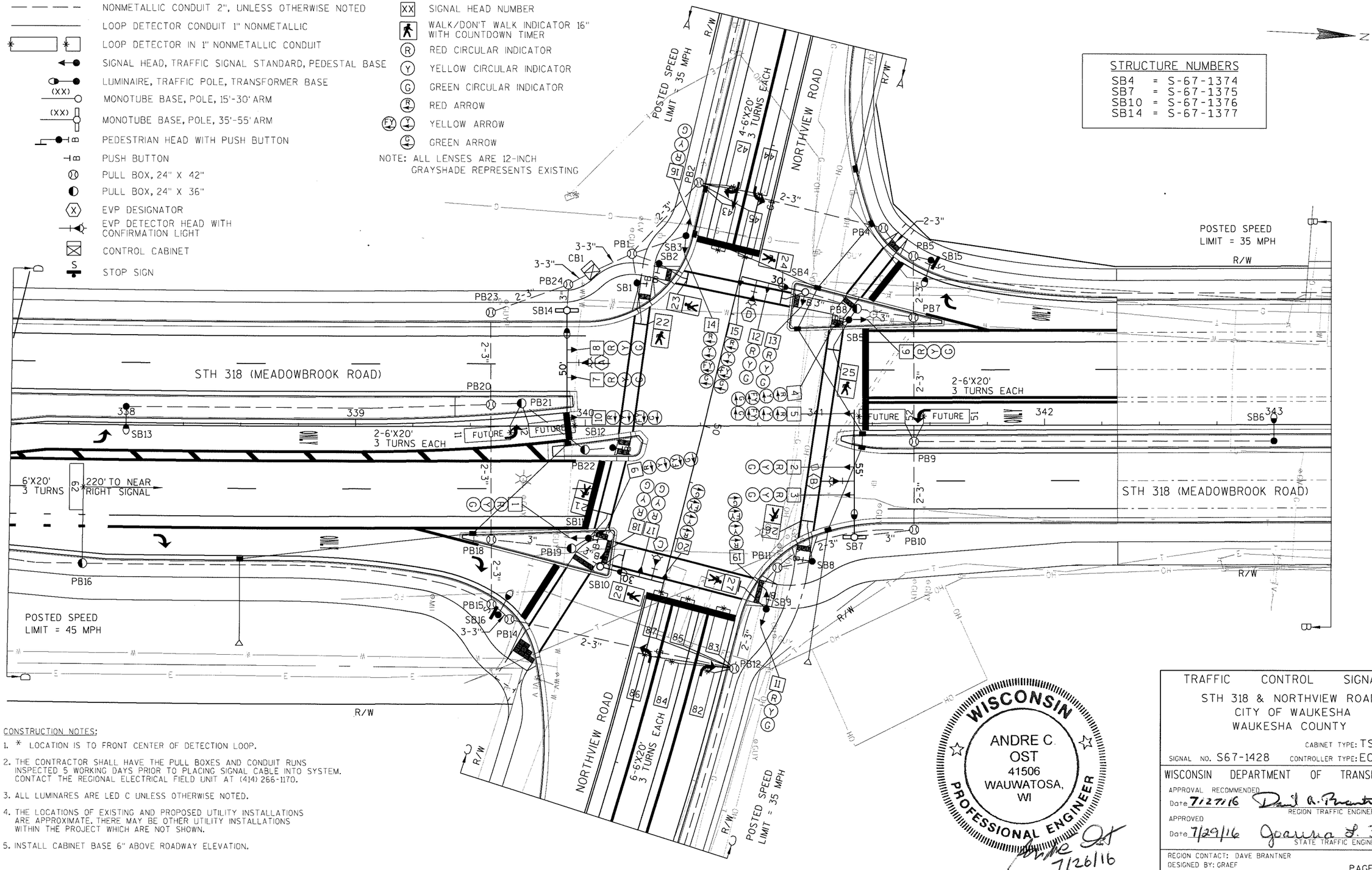
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PLOT DATE : 7/6/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- PULL BOX, 24" X 42"
- PULL BOX, 24" X 36"
- EVP DESIGNATOR
- EVP DETECTOR HEAD WITH CONFIRMATION LIGHT
- CONTROL CABINET
- S STOP SIGN
- XX SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- FY YELLOW ARROW
- GA GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

STRUCTURE NUMBERS
SB4 = S-67-1374
SB7 = S-67-1375
SB10 = S-67-1376
SB14 = S-67-1377



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTION LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. ALL LUMINARES ARE LED C UNLESS OTHERWISE NOTED.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.

WISCONSIN
ANDRE C. OST
41506
WAUWATOSA, WI
PROFESSIONAL ENGINEER
7/26/16

TRAFFIC CONTROL SIGNAL
STH 318 & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY

CABINET TYPE: TS2
SIGNAL NO. S67-1428 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 7/27/16 David A. Brantner, P.E. REGION TRAFFIC ENGINEER

APPROVED
Date 7/29/16 Joanna L. Bush STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

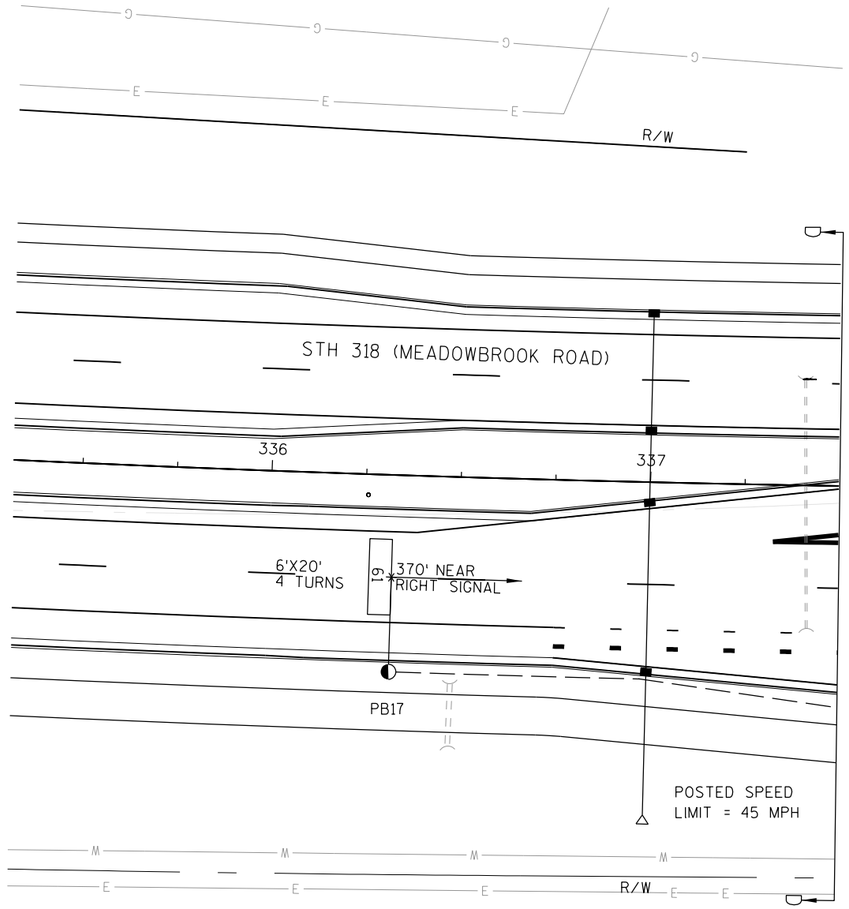
FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\024021_sp.dgn PLOT DATE : 7/26/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 40.0000 sf / in.

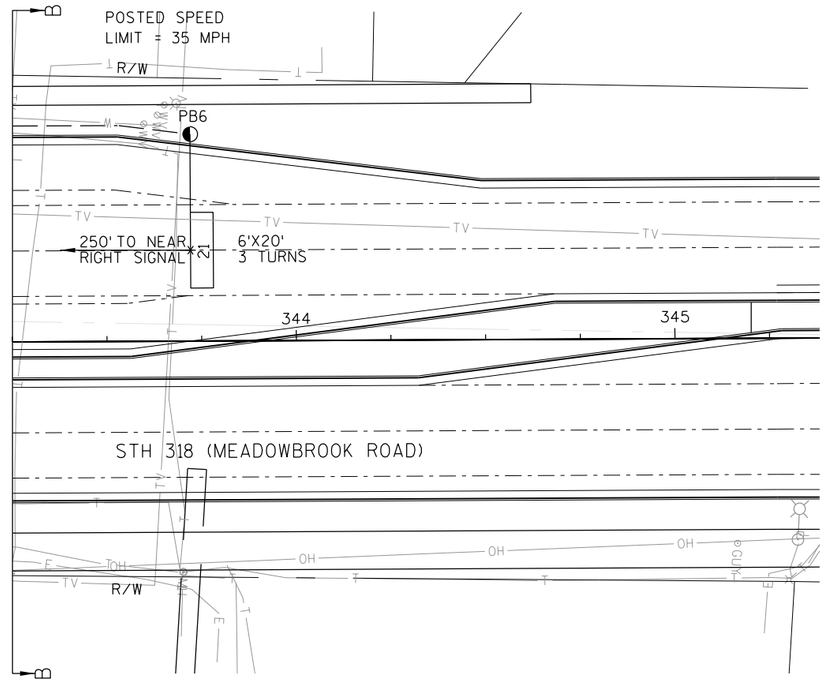
WISDOT/CADDS SHEET 42

1/27/16 OTO

2

N





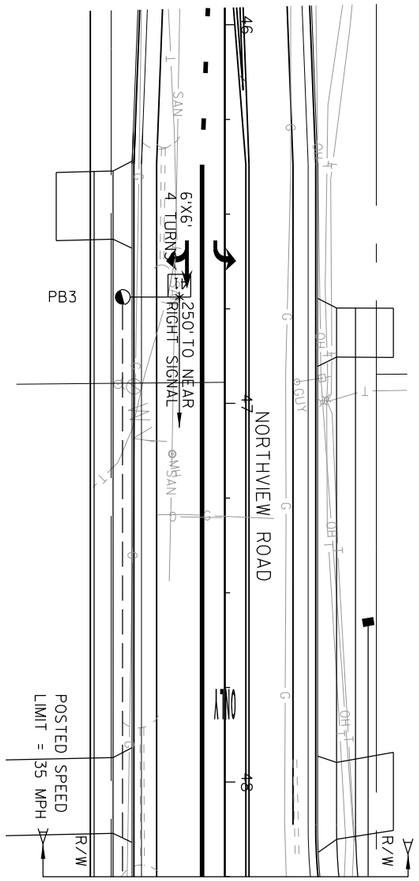
TRAFFIC CONTROL SIGNAL
STH 318 & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY

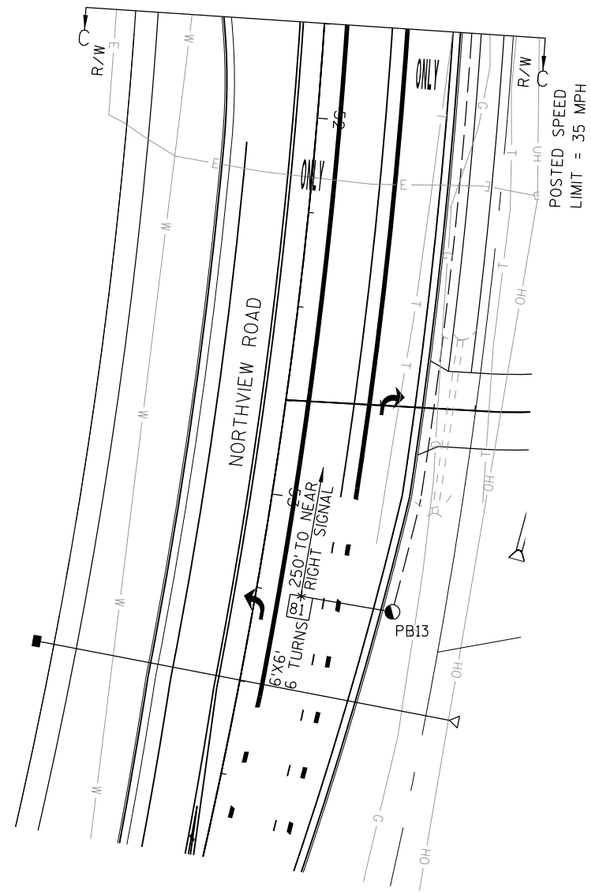
SIGNAL NO. S67-1428

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\024022_sp.dgn
PLOT DATE : 7/26/2016
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 318 & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1428

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

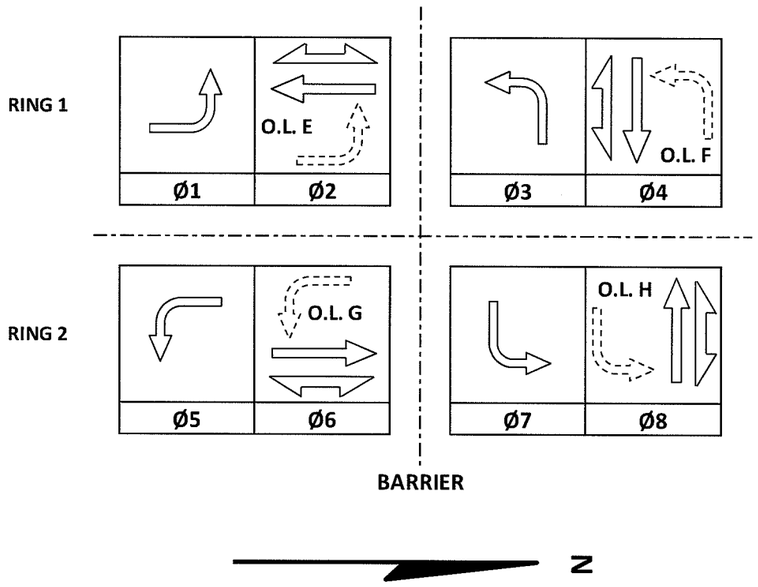
PAGE 3 OF 4

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\024023_sp.dgn PLOT DATE : 7/26/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	R
Ø3	14,15	R
Ø4	16,17,18	R
Ø5	9,10	R
Ø6	1,2,3	R
Ø7	19,20	R
Ø8	11,12,13	R
Ø2P	23,24	
Ø4P	21,22	
Ø6P	27,28	
Ø8P	25,26	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH	19,20	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	42	44	51	61	81	83
CALLED PHASE	FUTURE	2	4	4	FUTURE	6	8	8
CALL OPTION		X	X	X		X		X
DELAY TIME			X					X
EXTENTION OPTION		X	X	X		X	X	X
EXTEND TIME							X	
USE ADDED INITIAL		X				X		
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
85	87							PLAN LOOP DETECTOR*(S)
8	8							CALLED PHASE
X	X							CALL OPTION
	X							DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	41	43	45	52	62	82	84
CALLED PHASE	FUTURE	4	4	4	FUTURE	6	8	8
CALL OPTION			X	X		X	X	X
DELAY TIME			X	X			X	
EXTENTION OPTION		X	X	X		X	X	X
EXTEND TIME		X						
USE ADDED INITIAL						X		
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
86								PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
X								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 318 & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY
SIGNAL NO: S67-1428 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 7/16 PAGE NO. 4 OF 4

DWB 7/26/16
DTD 7/26/16

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	SEQUENCE OF OPERATIONS	SHEET NO: E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

2

PROJECT ID:	2788-00-72
INTERSECTION:	STH 318 & NORTHVIEW ROAD

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	FLASHING <YELLOW>	D/WALK	WALK	
SB1	7											
		22								BLK	BLU	
		B										WHT/BLK
SB2	7											
		23								BLK	BLU	
		B										WHT/BLK
SB3	12											
		14				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		16	RED	ORG	GRN							
SB4	12											
		12	RED	ORG	GRN							
		13	RED	ORG	GRN							
		15				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		24								BLK	BLU	
		B										WHT/BLK
SB5	12											
		4				RED	ORG	GRN	BLK/WHT			
		6	RED/BLK	ORG/BLK	GRN/BLK							
		25								BLK	BLU	
		B										WHT/BLK
SB7	12											
		2	RED	ORG	GRN							
		3	RED	ORG	GRN							
		5				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
SB8	7											
		26								BLK	BLU	
		B										WHT/BLK
SB9	12											
		11	RED/BLK	ORG/BLK	GRN/BLK							
		19				RED	ORG	GRN	BLK/WHT			
		27								BLK	BLU	
		B										WHT/BLK
SB10	12											
		17	RED	ORG	GRN							
		18	RED	ORG	GRN							
		20				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		28								BLK	BLU	
		B										WHT/BLK
SB11	12											
		1	RED	ORG	GRN							
		9				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
		21								BLK	BLU	
		B										WHT/BLK
SB12	7											
		B										WHT/BLK
SB14	12											
		7	RED	ORG	GRN							
		8	RED	ORG	GRN							
		10				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB14
SB14	CB1

EMERGENCY VEHICLE PREEMPTION	
FROM	TO
CB1	HEAD A (SB14)
CB1	HEAD B (SB7)
CB1	HEAD C (SB10)
CB1	HEAD D (SB4)

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	SB1
PB2	SB1
PB4	SB15
PB5	SB15
PB7	SB5
PB8	SB5
PB9	SB7
PB10	SB7
PB11	SB8
PB12	SB8
PB14	SB16
PB15	SB16
PB18	SB11
PB19	SB11
PB20	SB12
PB21	SB12
PB22	SB12
PB23	SB14
PB24	SB14

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB15
SB15	SB4
SB4	SB6
SB6	SB7
CB1	SB14
SB14	SB13
SB13	SB10
SB10	SB16

NOTES:
*USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
*RECONNECT THE GROUNDING CONDUCTORS WHENEVER THE CIRCUIT HAS BEEN INTERRUPTED TO ENSURE THE GROUNDING CIRCUIT IS COMPLETE.

TRAFFIC CONTROL SIGNAL
STH 318 & NORTHVIEW ROAD
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1428

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	CABLE ROUTING	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\024201_cr.dgn PLOT DATE : 7/6/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

2

N

DRIVEWAY

264 265 266 267 268 269

+58

12'

12'

+30

+13

WAUKESHA BYPASS

MATCH LINE STA 270+00

MW4
EPOXY

MW4
EPOXY

MDY4
EPOXY

MW4
EPOXY

MDY4
EPOXY

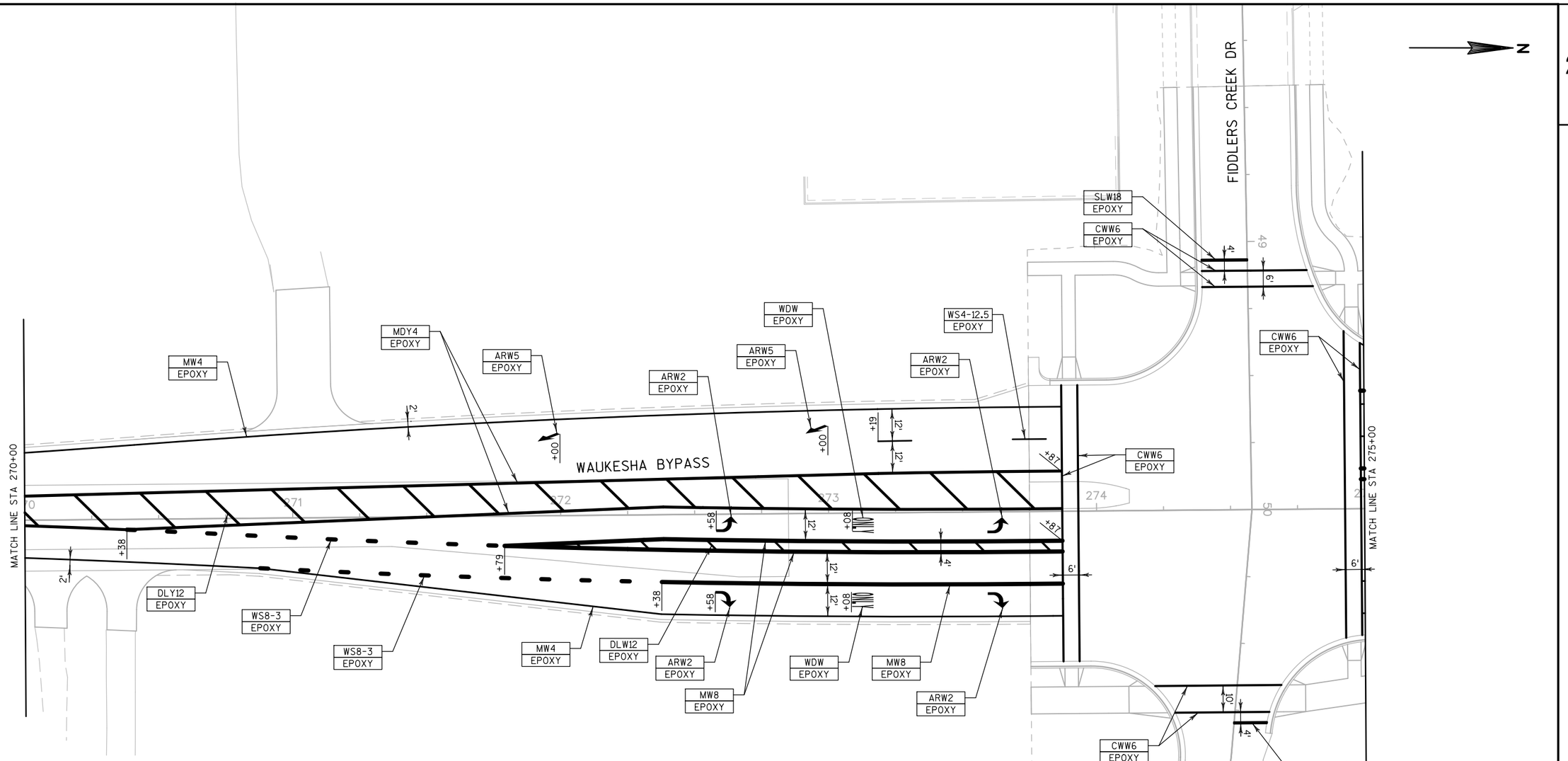
DLY12
EPOXY

12'

LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)	MW4	PAVEMENT MARKING 4-INCH (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)	MY4	PAVEMENT MARKING 4-INCH (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)	TAPE	GROOVED WET REFLECTIVE TAPE
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)	WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)	WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)
EPOXY	EPOXY	WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 ' SEGMENT, 37 1/2 ' GAP)
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

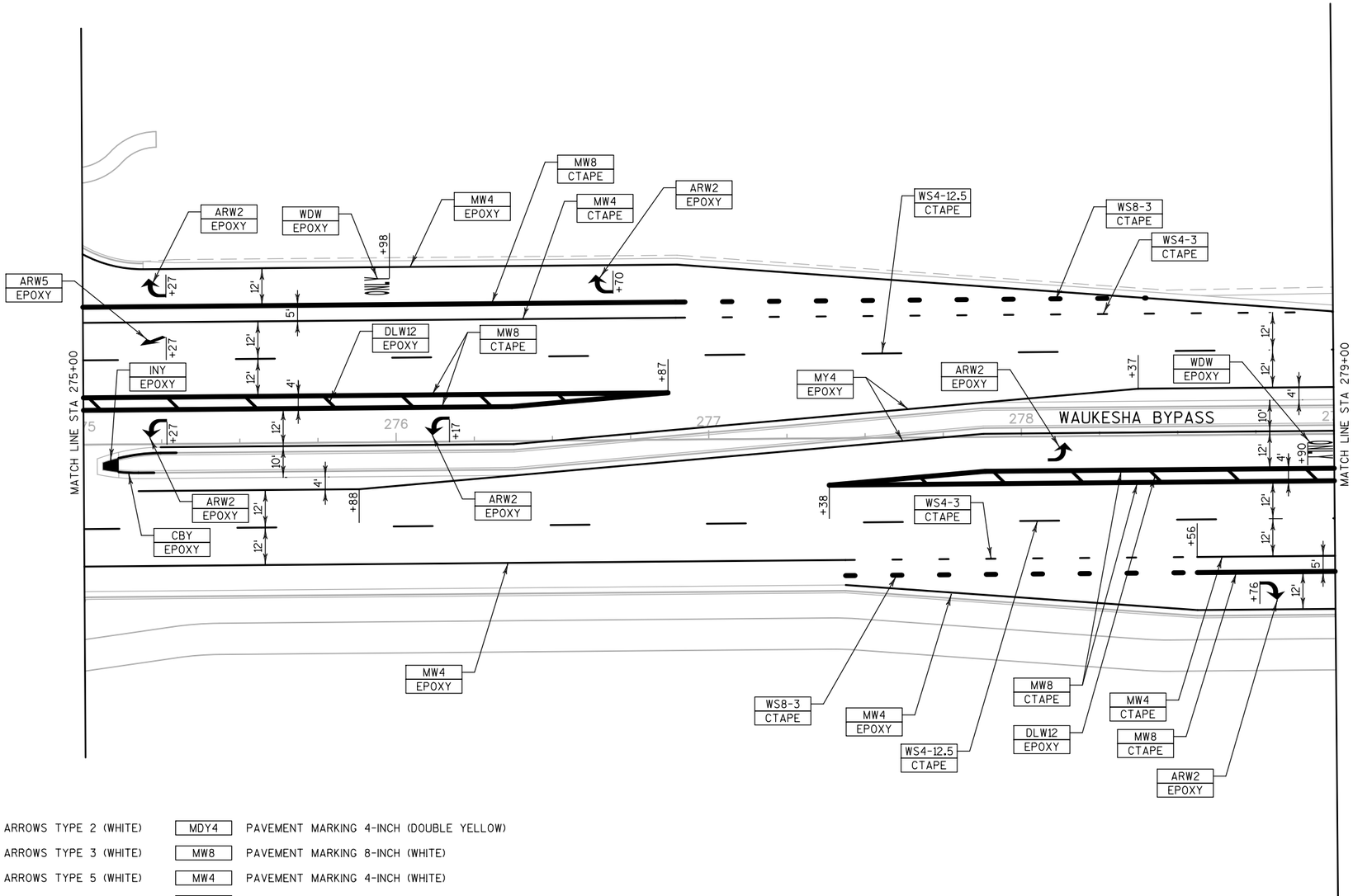
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E



LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)
EPOXY	EPOXY
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)
MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
MW8	PAVEMENT MARKING 8-INCH (WHITE)
MW4	PAVEMENT MARKING 4-INCH (WHITE)
MY4	PAVEMENT MARKING 4-INCH (YELLOW)
SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
TAPE	GROOVED WET REFLECTIVE TAPE
WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)
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WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E



LEGEND:

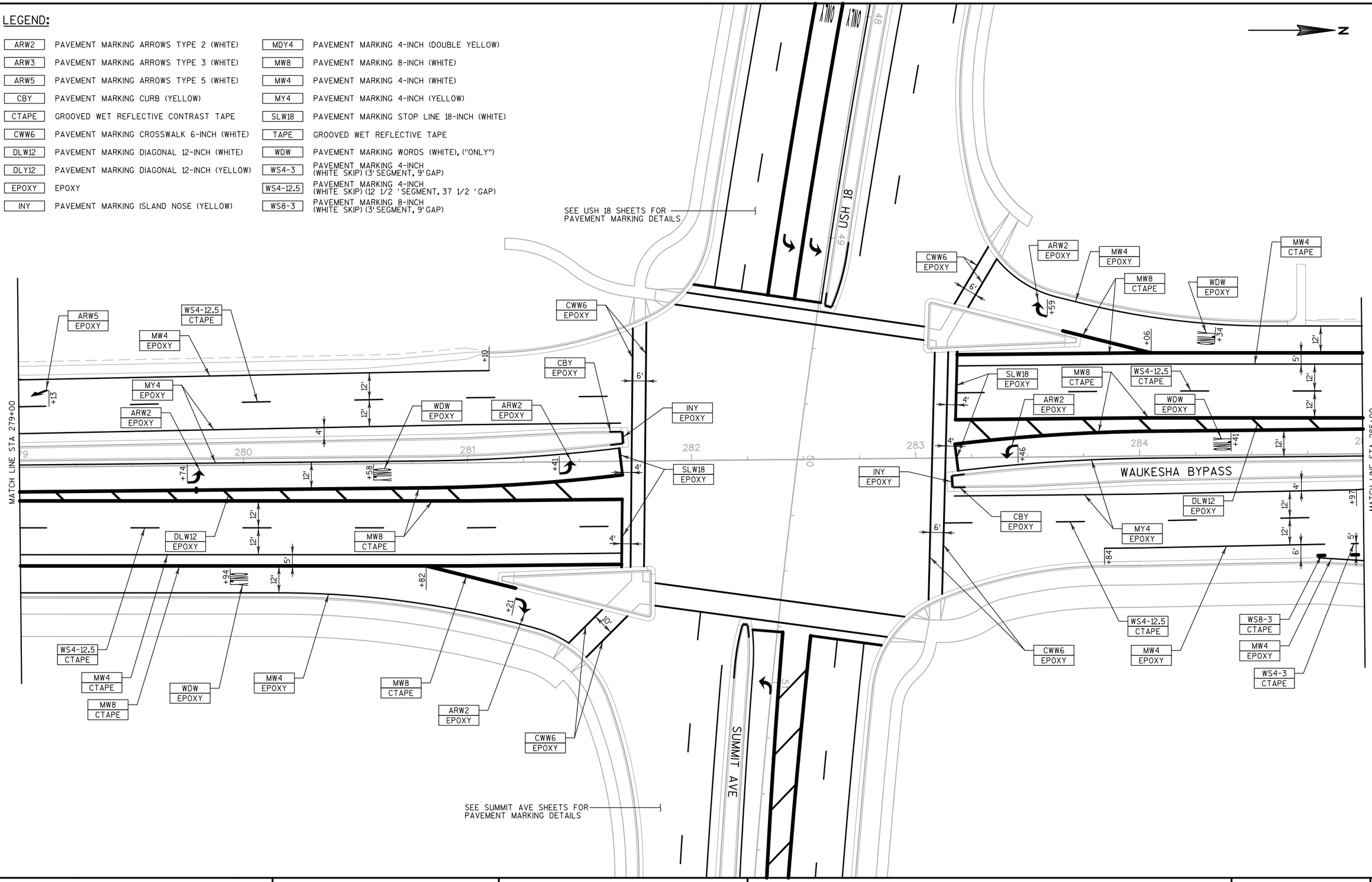
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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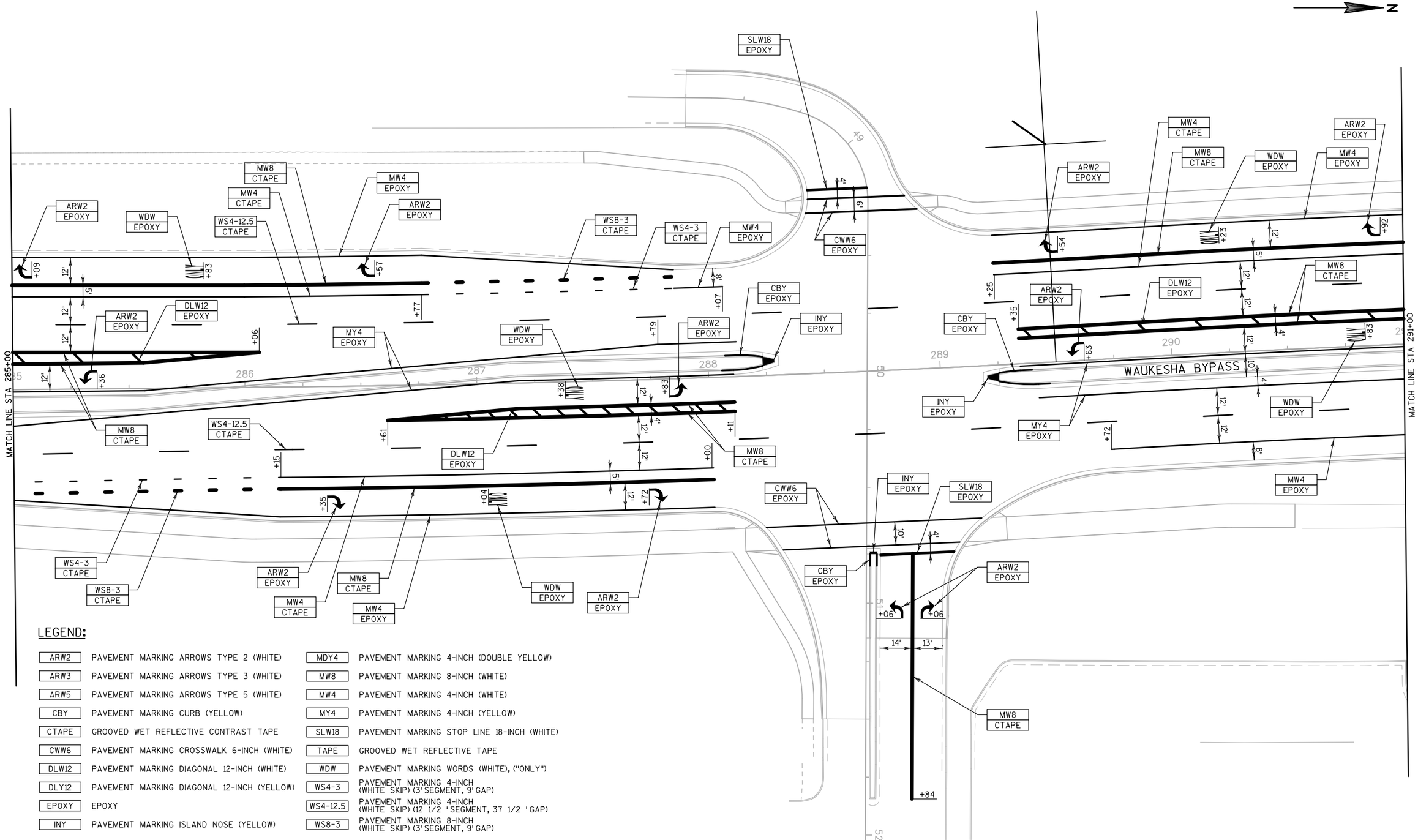
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PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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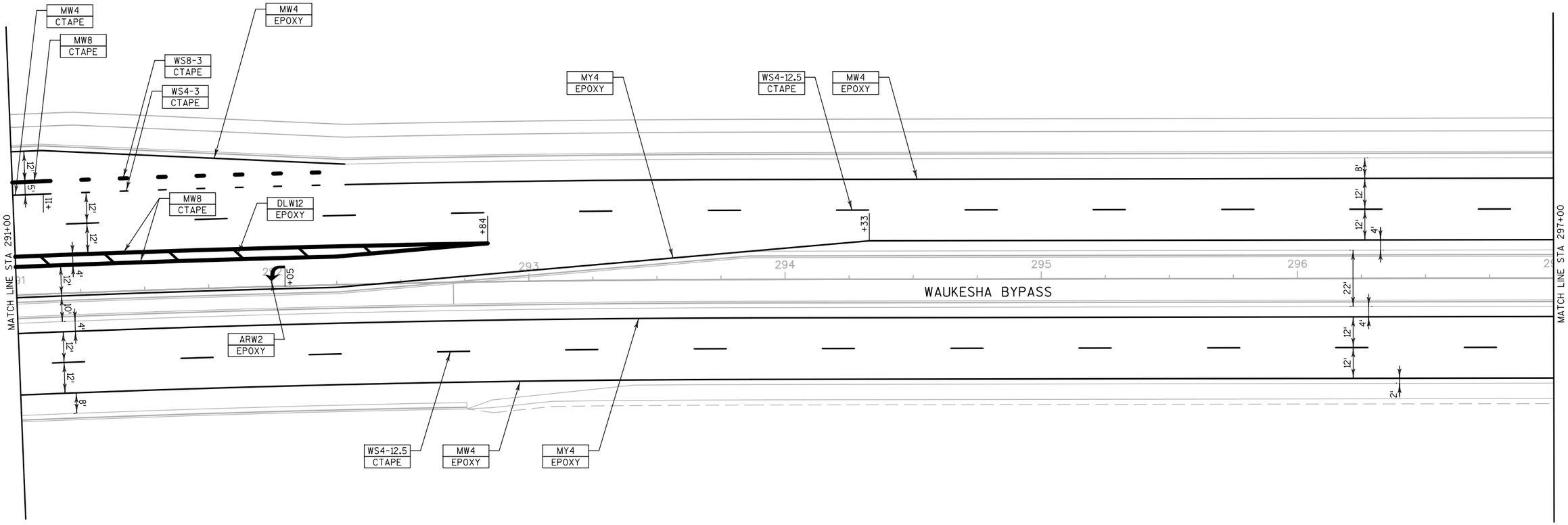


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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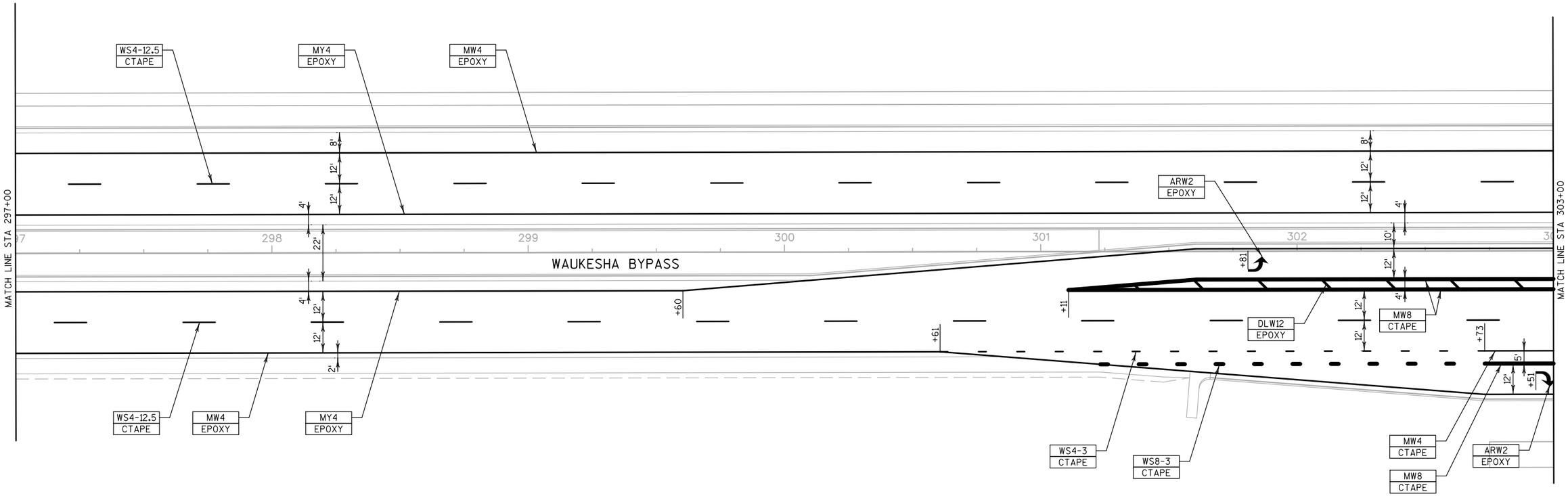
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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COLDWATER CREEK DR

SEE COLDWATER CREEK DR SHEETS FOR PAVEMENT MARKING DETAILS

MATCH LINE STA 303+00

MATCH LINE STA 309+00

WAUKESHA BYPASS

MW4 EPOXY
WS4-12.5 CTAPE
WDW EPOXY
MY4 EPOXY
ARW2 EPOXY
CWW6 EPOXY
INY EPOXY
CBY EPOXY
DLW12 EPOXY
MW8 CTAPE
WS4-3 CTAPE
DLY12 EPOXY

SEE COLDWATER CREEK DR SHEETS FOR PAVEMENT MARKING DETAILS

COLDWATER CREEK DR

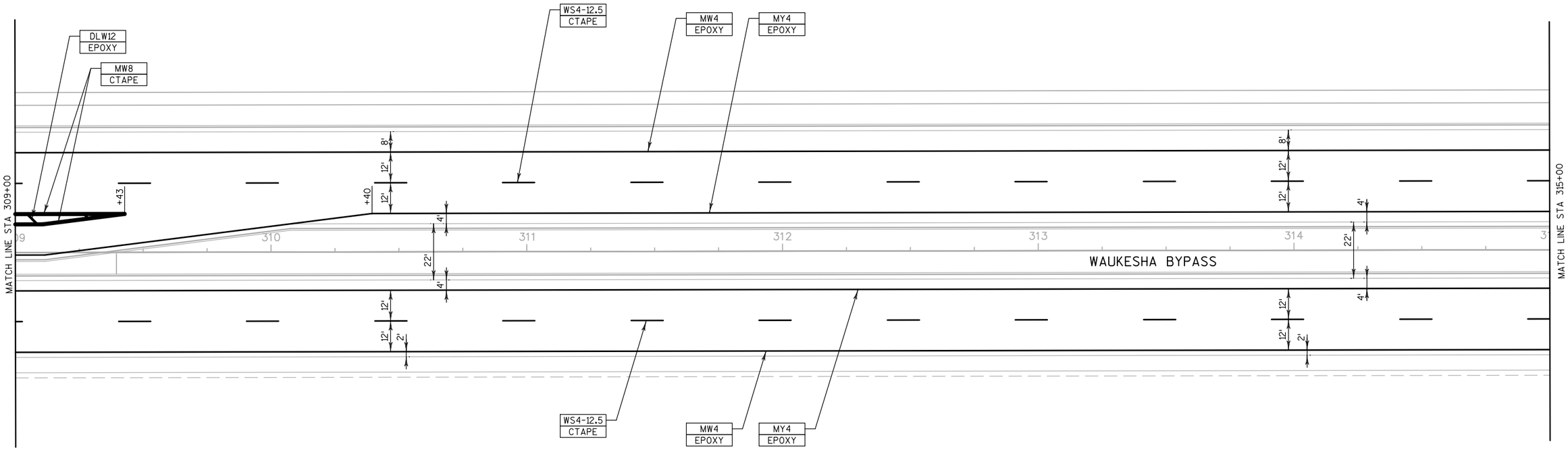
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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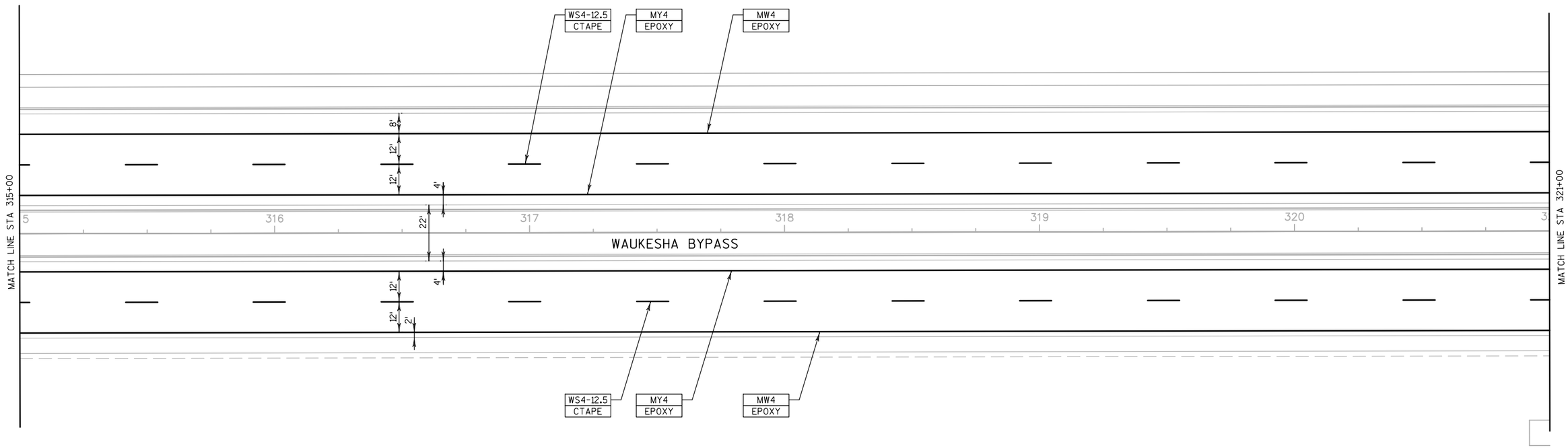


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

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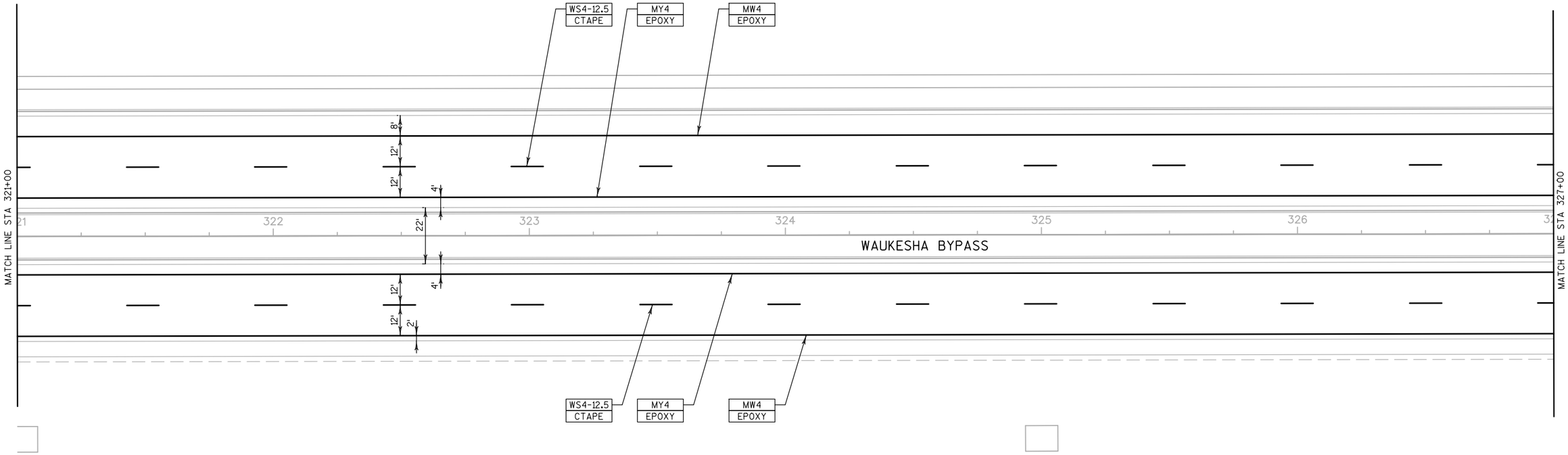
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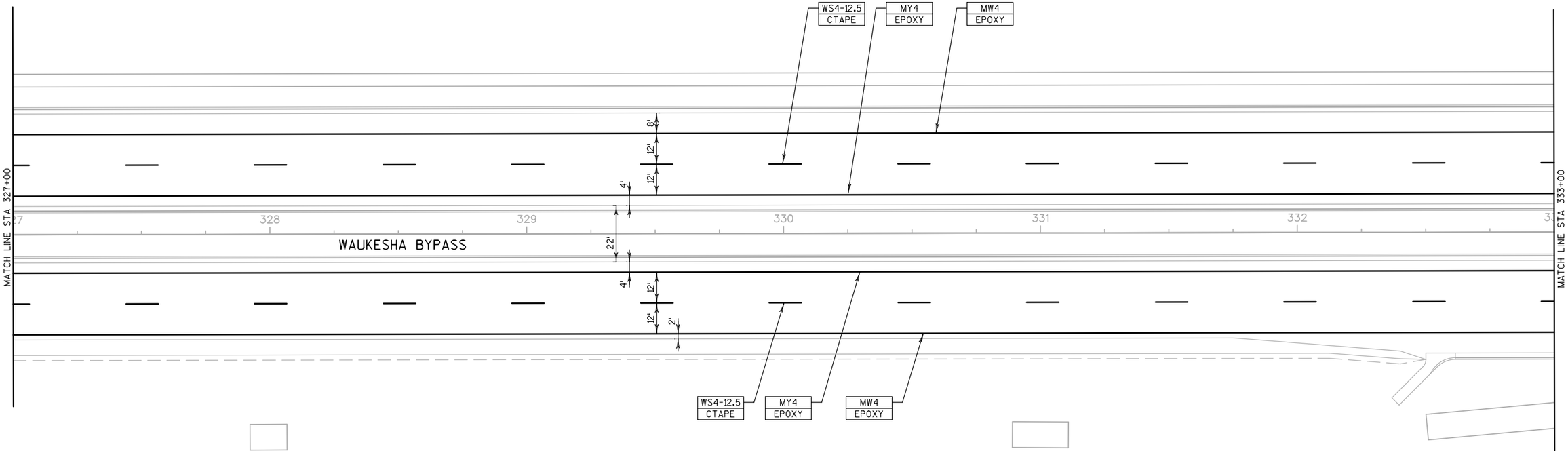
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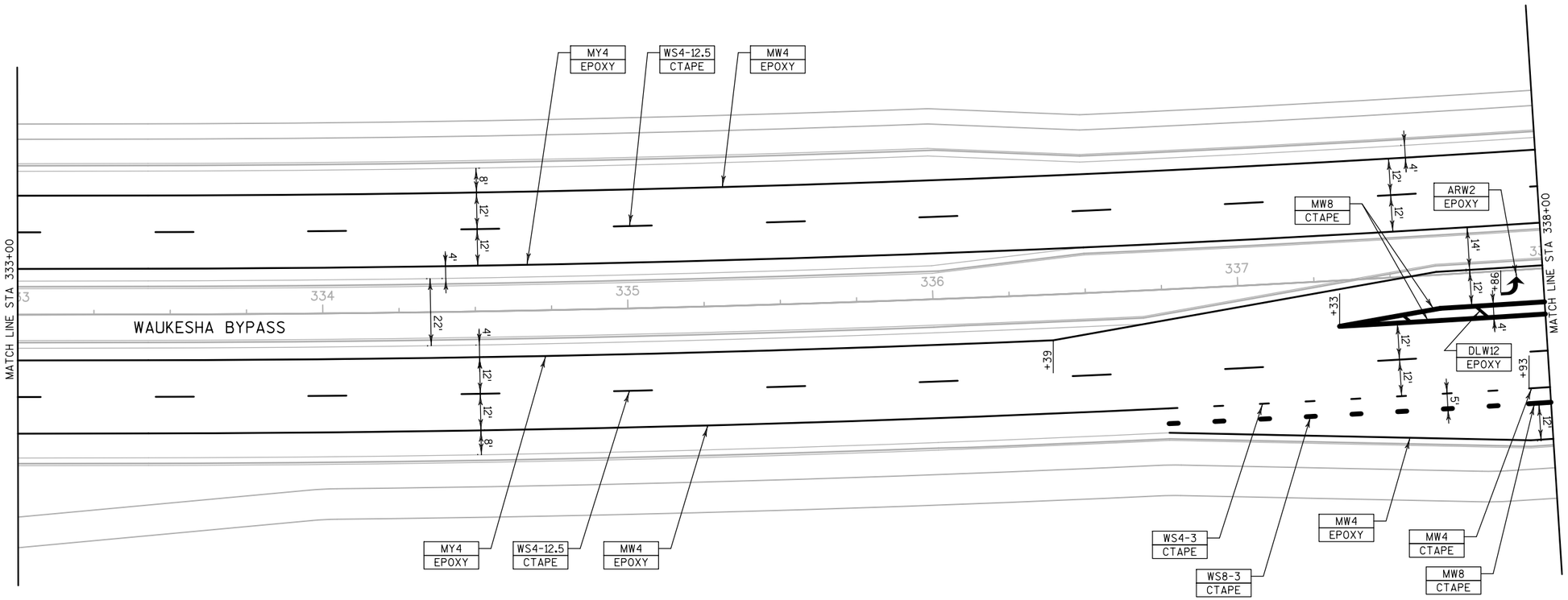
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EPOXY	EPOXY	WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 'SEGMENT, 37 1/2 'GAP)
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E



LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)	MW4	PAVEMENT MARKING 4-INCH (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)	MY4	PAVEMENT MARKING 4-INCH (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)	TAPE	GROOVED WET REFLECTIVE TAPE
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)	WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)	WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)
EPOXY	EPOXY	WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 ' SEGMENT, 37 1/2 ' GAP)
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E

2

N

NORTHVIEW RD

SEE NORTHVIEW RD SHEETS FOR PAVEMENT MARKING DETAILS

PAVEMENT MARKING BY OTHERS

WAUKESHA BYPASS

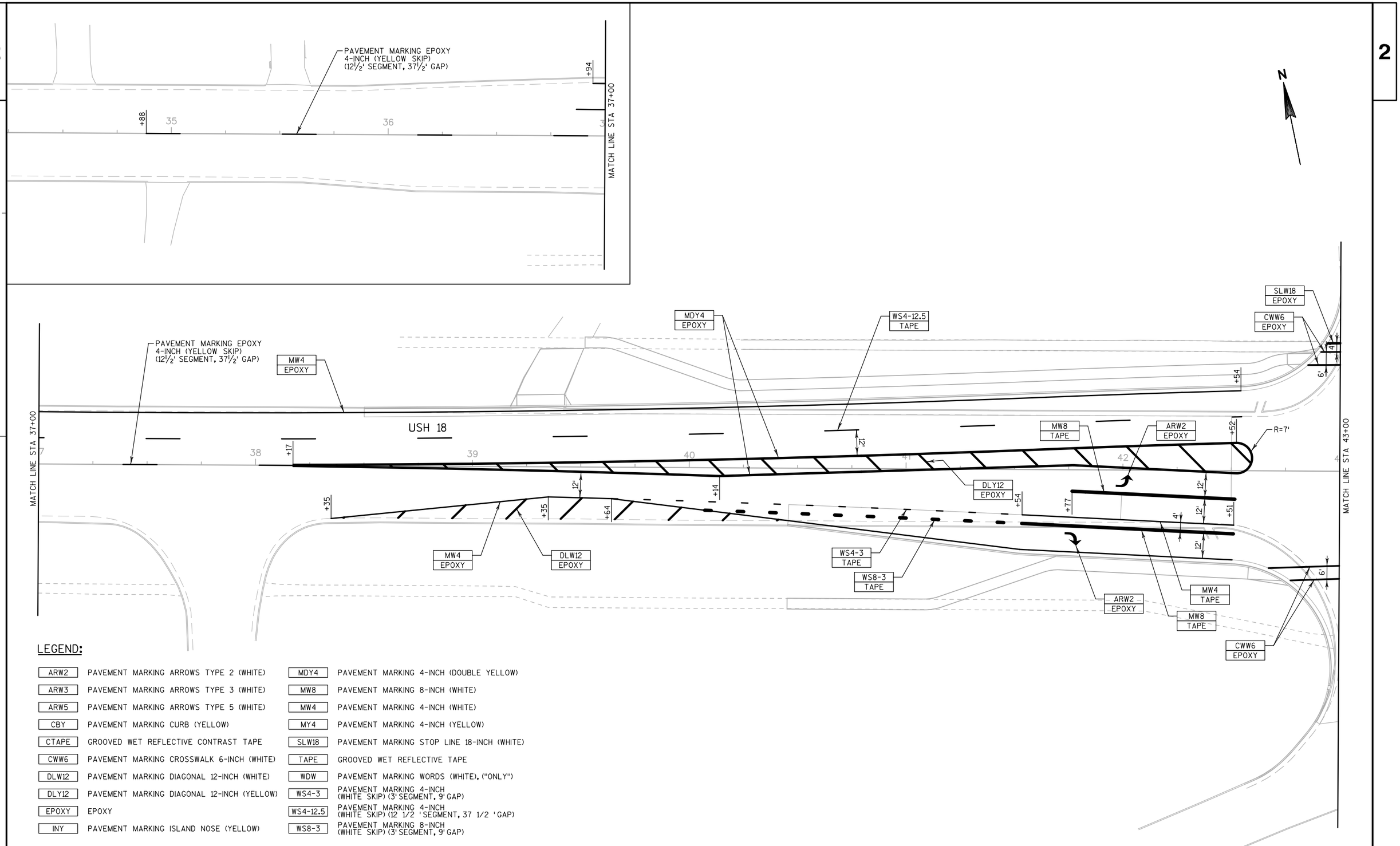
MATCH LINE STA 338+00

CWW6 EPOXY
SLW18 EPOXY
ARW2 EPOXY
WDW EPOXY
MW8 CTAPE
MW4 EPOXY
MW4 CTAPE
MY4 EPOXY
WS4-12.5 CTAPE
DLW12 EPOXY
CBY EPOXY
INY EPOXY
ARW5 EPOXY

LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
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ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)	MW4	PAVEMENT MARKING 4-INCH (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)	MY4	PAVEMENT MARKING 4-INCH (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
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EPOXY	EPOXY	WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 ' SEGMENT, 37 1/2 ' GAP)
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - WAUKESHA BYPASS	SHEET	E



LEGEND:

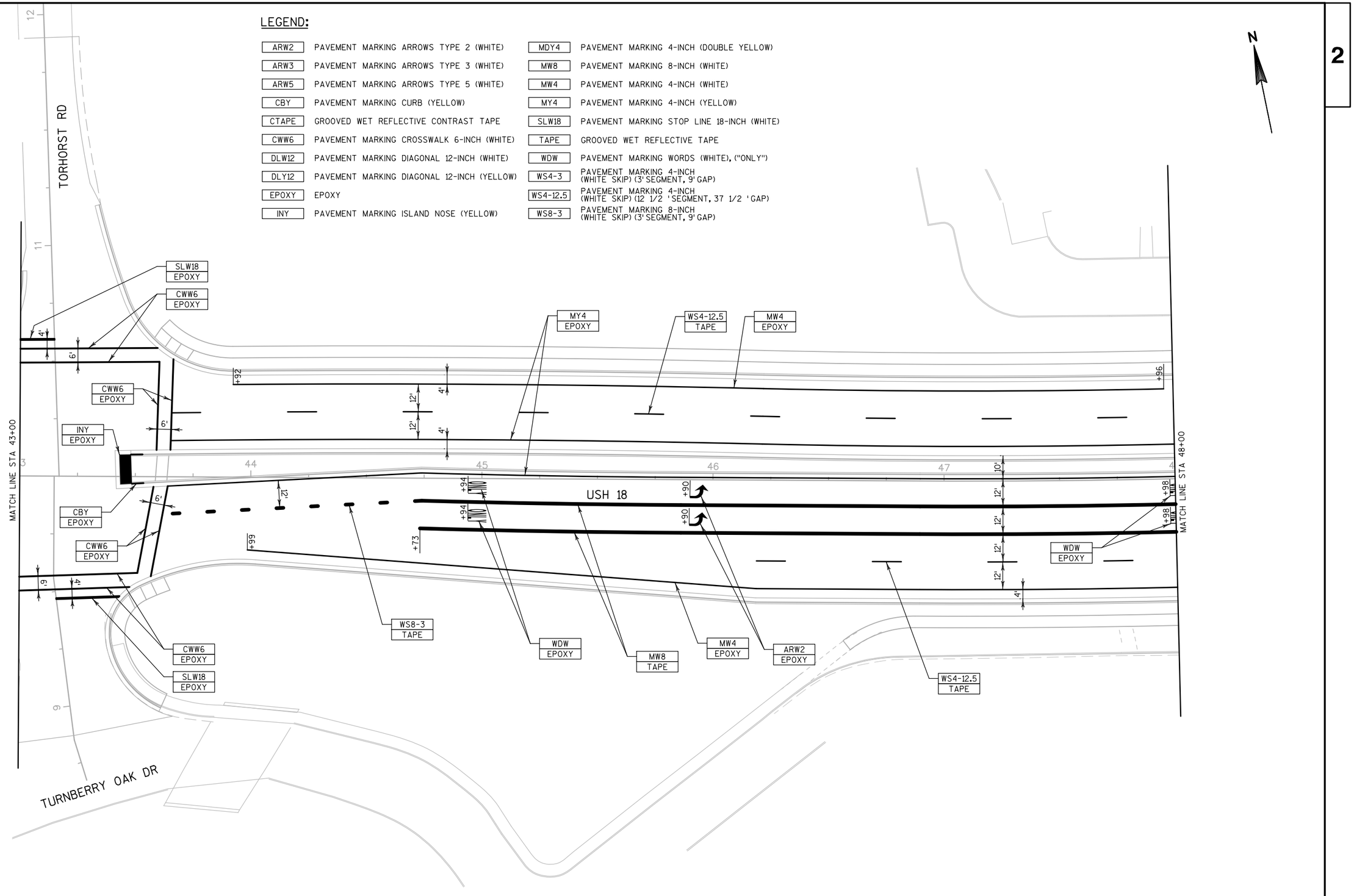
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ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)	MW4	PAVEMENT MARKING 4-INCH (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)	MY4	PAVEMENT MARKING 4-INCH (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
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INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - USH 18	SHEET	E

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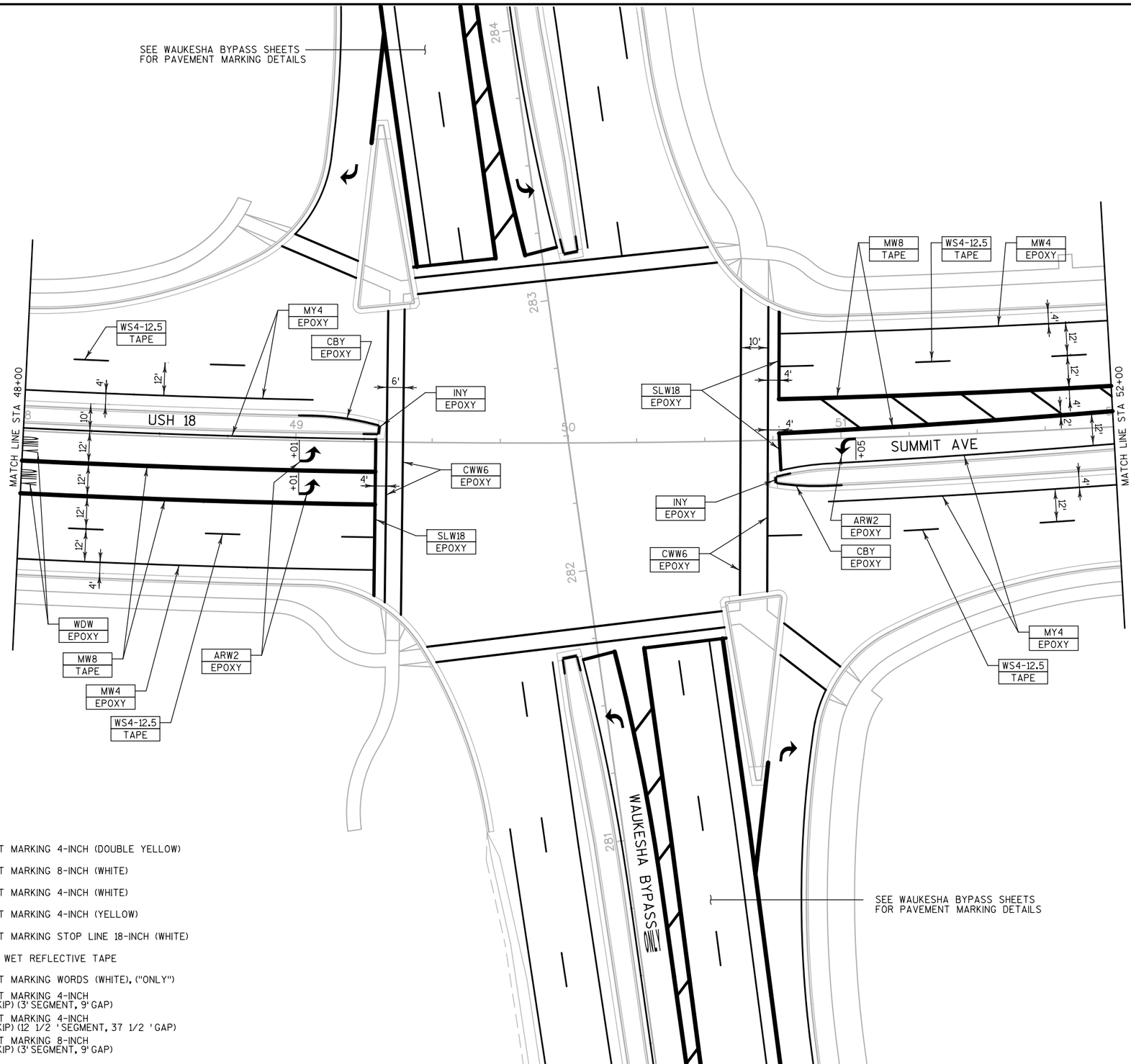
LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)
EPOXY	EPOXY
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)
MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
MW8	PAVEMENT MARKING 8-INCH (WHITE)
MW4	PAVEMENT MARKING 4-INCH (WHITE)
MY4	PAVEMENT MARKING 4-INCH (YELLOW)
SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
TAPE	GROOVED WET REFLECTIVE TAPE
WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)
WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 'SEGMENT, 37 1/2 'GAP)
WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - USH 18	SHEET E

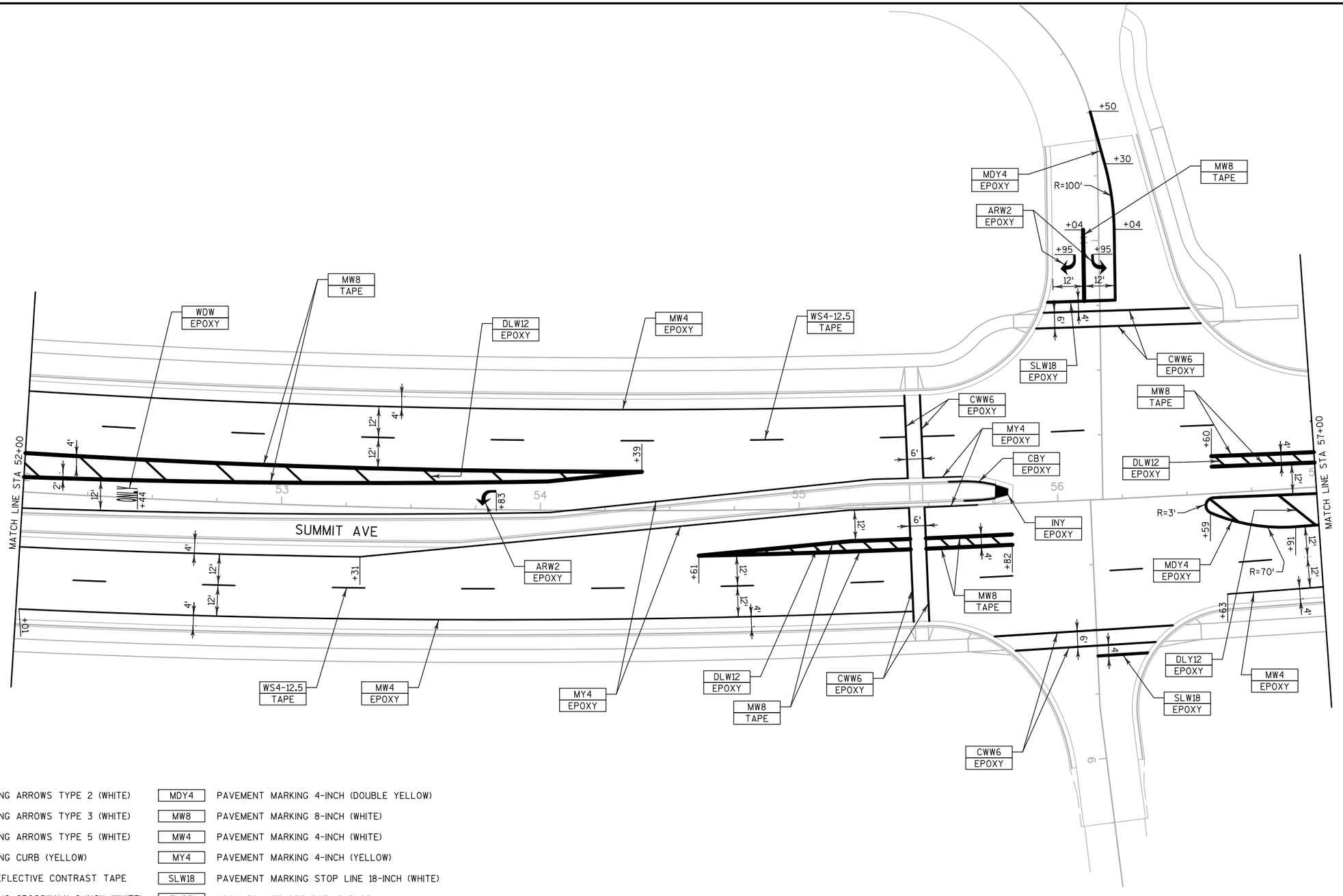
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LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)
EPOXY	EPOXY
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)
MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
MW8	PAVEMENT MARKING 8-INCH (WHITE)
MW4	PAVEMENT MARKING 4-INCH (WHITE)
MY4	PAVEMENT MARKING 4-INCH (YELLOW)
SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
TAPE	GROOVED WET REFLECTIVE TAPE
WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3'SEGMENT, 9'GAP)
WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 'SEGMENT, 37 1/2 'GAP)
WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3'SEGMENT, 9'GAP)

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - USH 18/SUMMIT AVE	SHEET E



LEGEND:

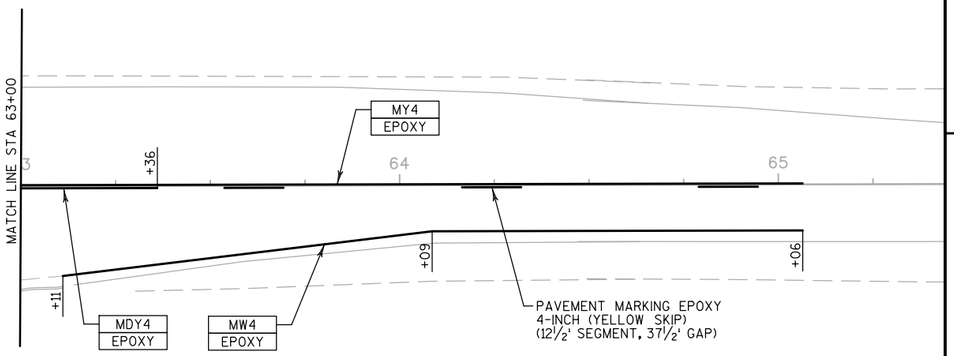
ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
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CBY	PAVEMENT MARKING CURB (YELLOW)	MY4	PAVEMENT MARKING 4-INCH (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
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DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)	WDW	PAVEMENT MARKING WORDS (WHITE), ("ONLY")
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)	WS4-3	PAVEMENT MARKING 4-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)
EPOXY	EPOXY	WS4-12.5	PAVEMENT MARKING 4-INCH (WHITE SKIP) (12 1/2 'SEGMENT, 37 1/2 'GAP)
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

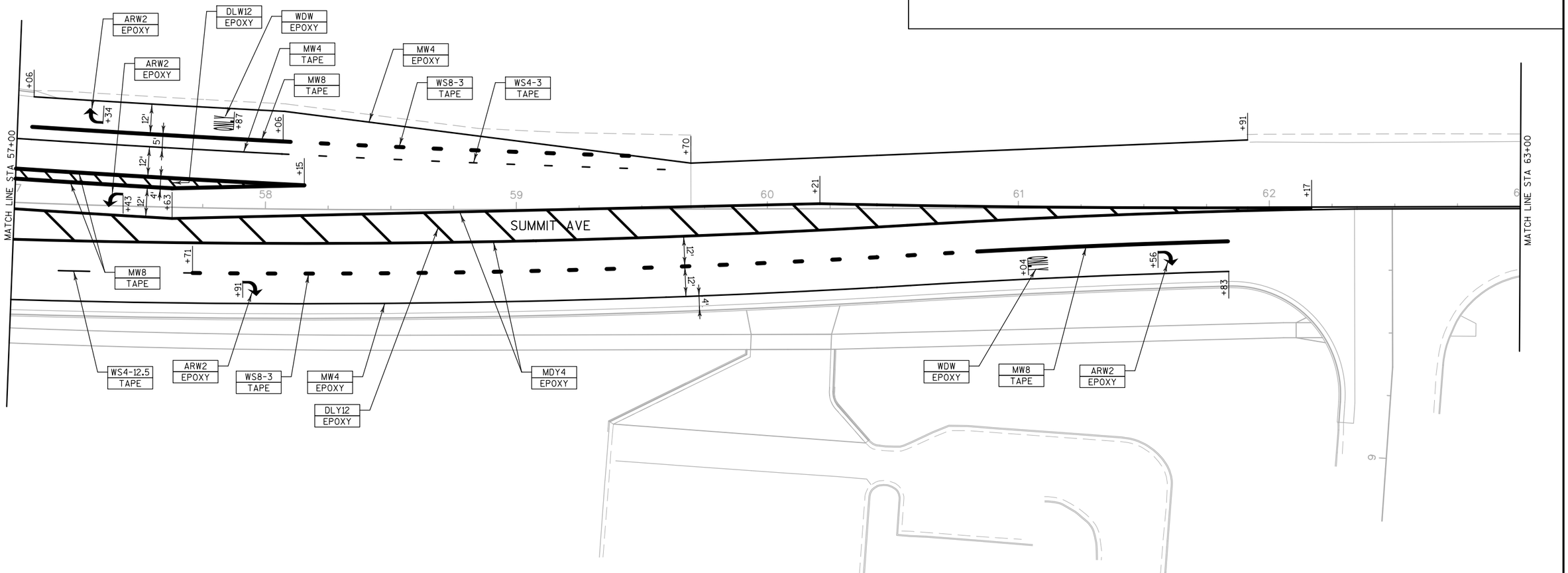
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - SUMMIT AVE	SHEET	E

LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)
CBY	PAVEMENT MARKING CURB (YELLOW)
CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE
CWW6	PAVEMENT MARKING CROSSWALK 6-INCH (WHITE)
DLW12	PAVEMENT MARKING DIAGONAL 12-INCH (WHITE)
DLY12	PAVEMENT MARKING DIAGONAL 12-INCH (YELLOW)
EPOXY	EPOXY
INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)
MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
MW8	PAVEMENT MARKING 8-INCH (WHITE)
MW4	PAVEMENT MARKING 4-INCH (WHITE)
MY4	PAVEMENT MARKING 4-INCH (YELLOW)
SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
TAPE	GROOVED WET REFLECTIVE TAPE
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WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - SUMMIT AVE	SHEET E

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LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
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INY	PAVEMENT MARKING ISLAND NOSE (YELLOW)	WS8-3	PAVEMENT MARKING 8-INCH (WHITE SKIP) (3' SEGMENT, 9' GAP)

N

SEE WAUKESHA BYPASS SHEETS FOR PAVEMENT MARKING DETAILS

ONLY

307

306

305

304

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COLDWATER CREEK DR

WAUKESHA BYPASS

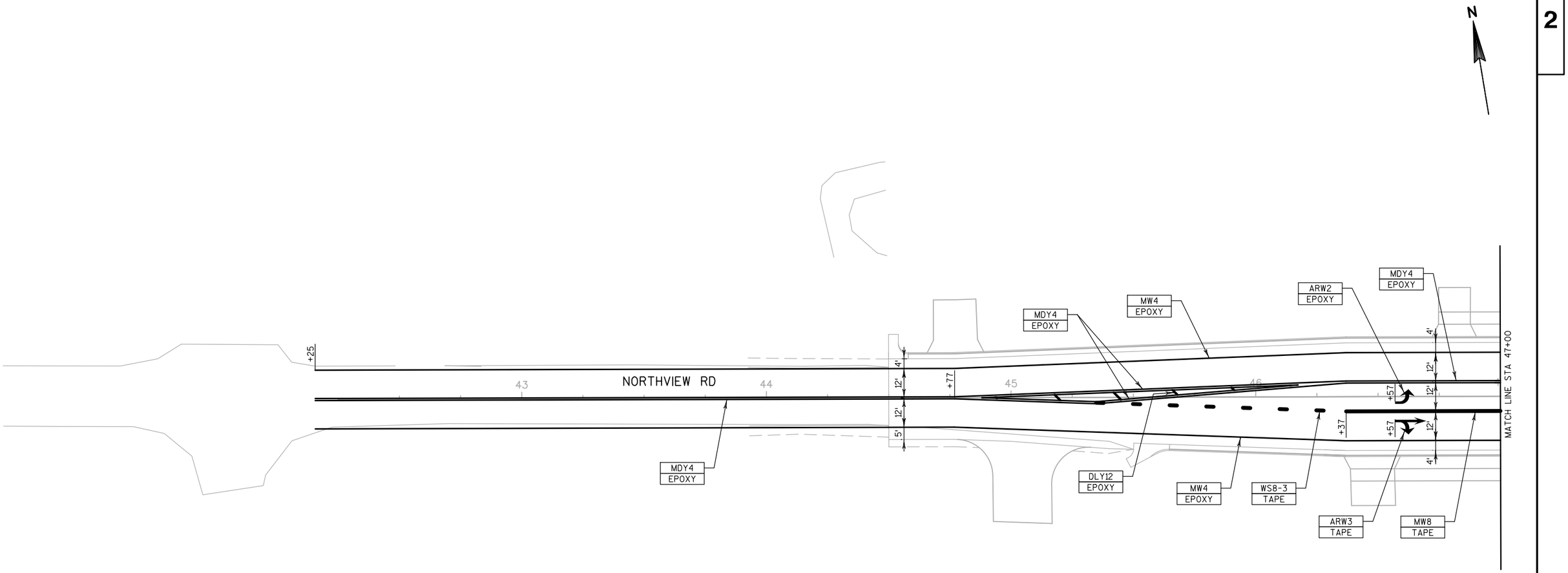
ONLY

ARW2 EPOXY
DLY12 EPOXY
MDY4 EPOXY
CWW6 EPOXY
CBY EPOXY
INY EPOXY
R=147'
28'
6'
4'
12'
16'
+15
+64
MW8 CTAPE
ARW3 EPOXY
MY4 EPOXY
SLW18 EPOXY

MY4 EPOXY
MW8 CTAPE
ARW3 EPOXY
SLW18 EPOXY
CWW6 EPOXY
INY EPOXY
CBY EPOXY
10'
16'
12'
4'
+84
+44
R=222'
28'
ARW2 EPOXY
DLY12 EPOXY
MDY4 EPOXY
CWW6 EPOXY

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - COLDWATER CREEK DR	SHEET	E

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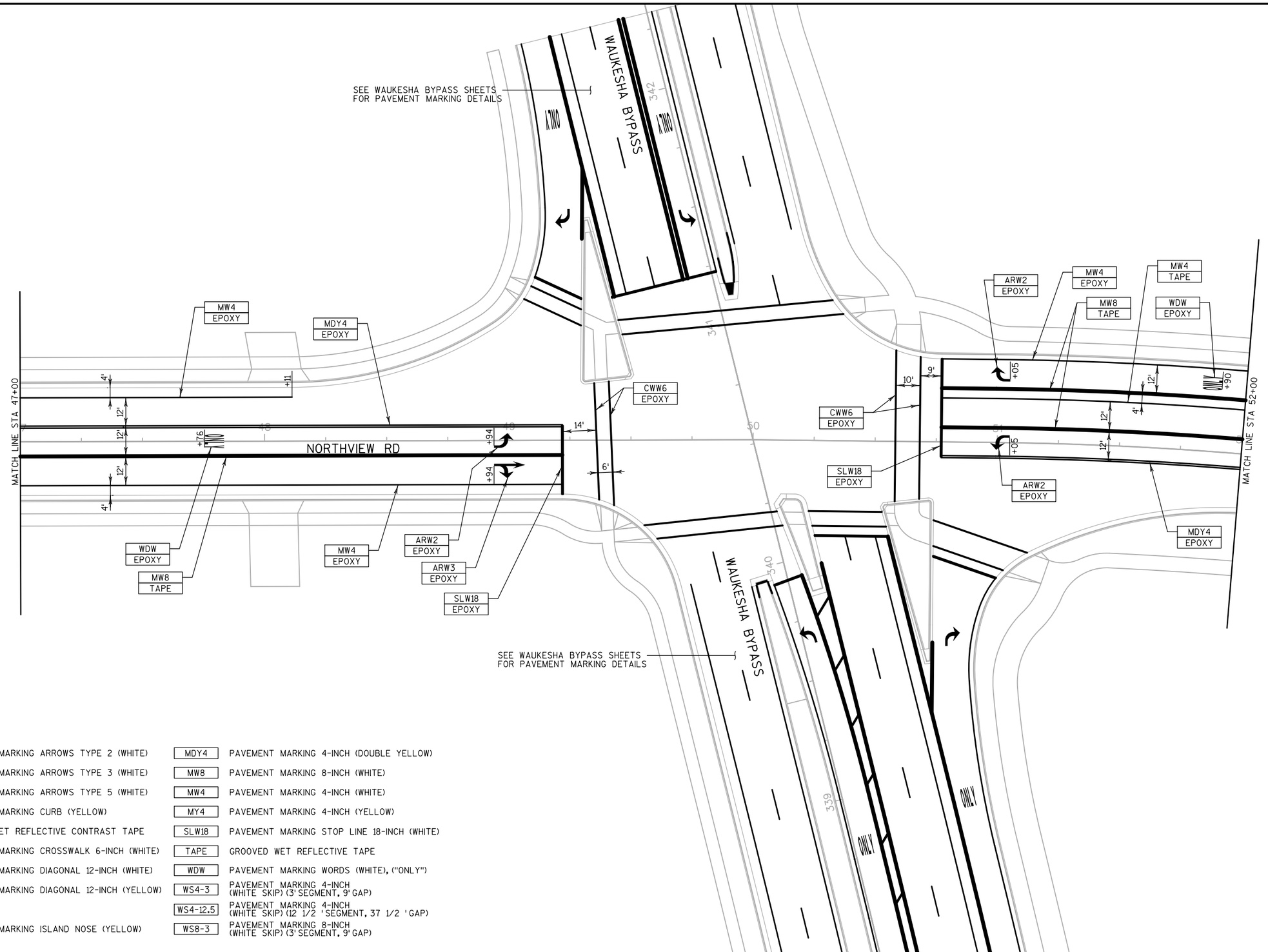


LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
ARW3	PAVEMENT MARKING ARROWS TYPE 3 (WHITE)	MW8	PAVEMENT MARKING 8-INCH (WHITE)
ARW5	PAVEMENT MARKING ARROWS TYPE 5 (WHITE)	MW4	PAVEMENT MARKING 4-INCH (WHITE)
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CTAPE	GROOVED WET REFLECTIVE CONTRAST TAPE	SLW18	PAVEMENT MARKING STOP LINE 18-INCH (WHITE)
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - NORTHVIEW RD	SHEET	E

2

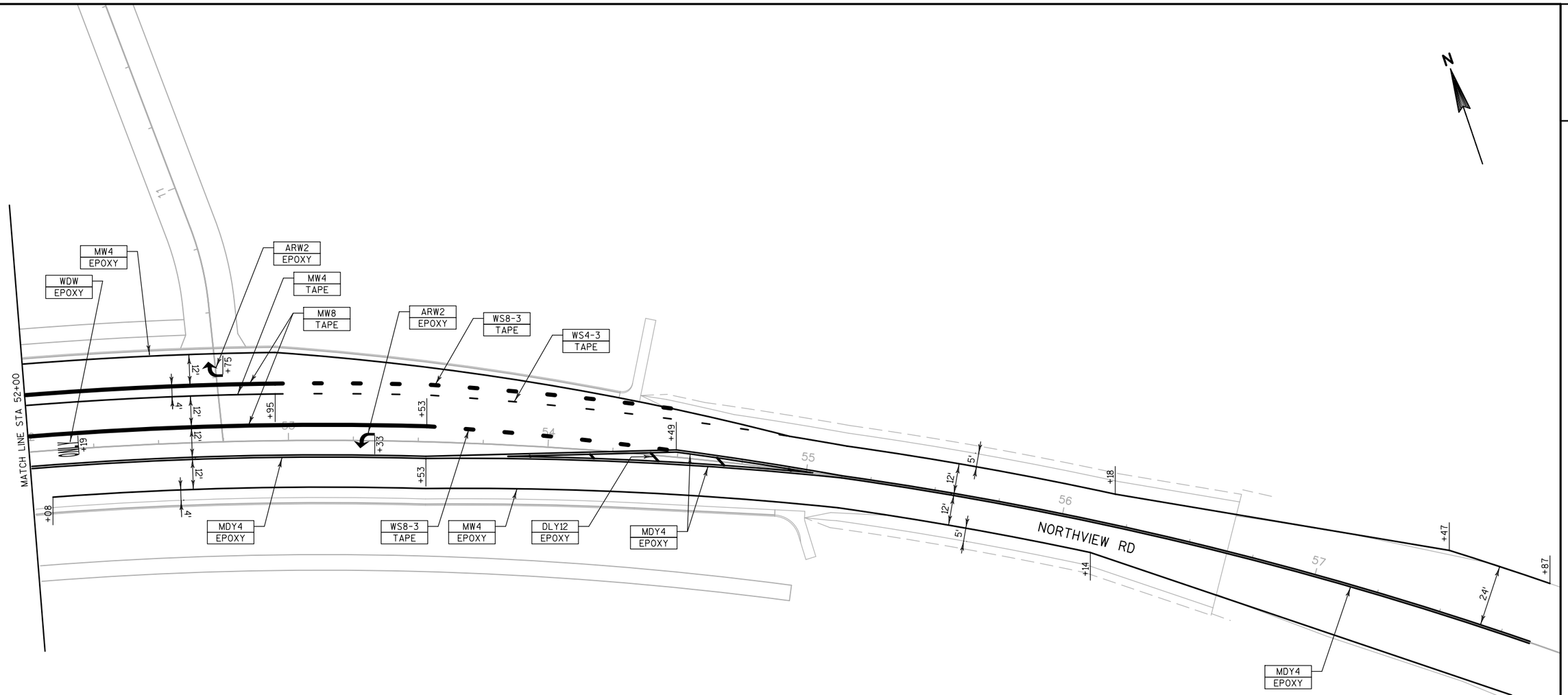


LEGEND:

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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - NORTHVIEW RD	SHEET	E

2



LEGEND:

ARW2	PAVEMENT MARKING ARROWS TYPE 2 (WHITE)	MDY4	PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PAVEMENT MARKING - NORTHVIEW RD	SHEET	E

GENERAL NOTES FOR TRAFFIC CONTROL

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

2) CONFLICTING TRAFFIC SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

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

4) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

5) LANES ARE 12' UNLESS NOTED OTHERWISE.

6) FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C WARNING LIGHT.

7) OFF PEAK HOURS ARE DEFINED AS WEEKDAYS FROM 9:00 AM TO 3:00 PM AND 6:00 PM TO 9:00 PM OR WEEKENDS.

8) UTILIZE REMOVING PAVEMENT MARKING WATER BLASTING TO REMOVE TEMPORARY PAVEMENT MARKINGS PAINT PLACED ON PROPOSED CONCRETE PAVEMENT.

9) PLACE PORTABLE CHANGABLE MESSAGE SIGN TO INFORM PUBLIC OF ROAD CLOSURES AT LEAST 7 DAYS PRIOR TO CLOSURE.

10) SEE TEMPORARY SIGNAL PLANS FOR INTERSECTION CONTROL ON CTH TT AT SUMMIT AVE. AND NORTHVIEW RD.

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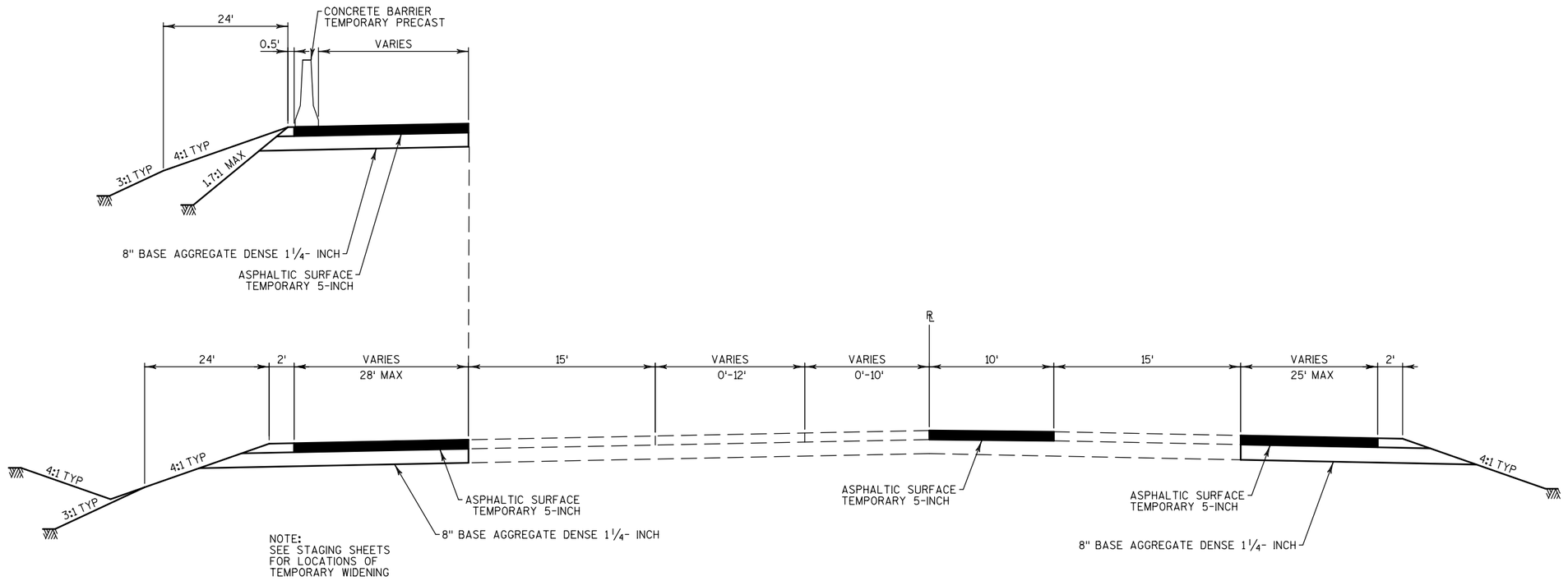
STANDARD WISDOT WORK ZONE TRAFFIC CONTROL SYMBOLS

⊢⊣	TYPE III BARRICADE
⊢⊟⊣	TYPE III BARRICADE WITH ATTACHED SIGN
●	TRAFFIC CONTROL DRUM
◉	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
⊙	FLEXIBLE TUBULAR MARKER
▬	CRASH CUSHION BARRIER
⇉	FLASHING ARROW BOARD
⊸	SIGN ON PERMANENT SUPPORT
⊤	SIGN ON TEMPORARY SUPPORT
➡	DIRECTION OF TRAFFIC
MB	PORTABLE CHANGEABLE MESSAGE BOARD
▭▭▭	CONCRETE BARRIER TEMPORARY PRECAST
—×—	TEMPORARY PEDESTRIAN SAFETY FENCE / TEMPORARY PEDESTRIAN STEEL BARRICADE

NON-STANDARD WORK ZONE TRAFFIC CONTROL SYMBOLS

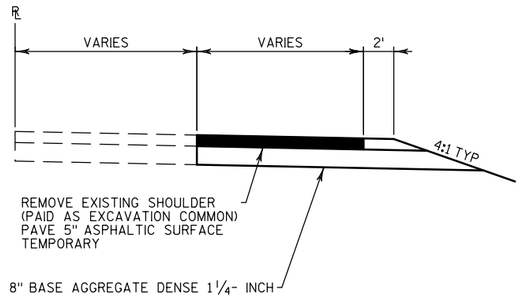
Y	CONTINUOUS YELLOW, 4-INCH
DY	CONTINUOUS DOUBLE YELLOW, 4-INCH
W	CONTINUOUS WHITE, 4-INCH
CH	CHANNELIZING, 8-INCH, WHITE
S1	DASHED WHITE, 8-INCH, (3' LINE, 12' SKIP)
S2	DASHED WHITE, 4-INCH, (12.5' LINE, 37.5' SKIP)
TPMP	TEMPORARY PAVEMENT MARKING PAINT
TPMRT	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE

2



NOTE:
SEE STAGING SHEETS
FOR LOCATIONS OF
TEMPORARY WIDENING

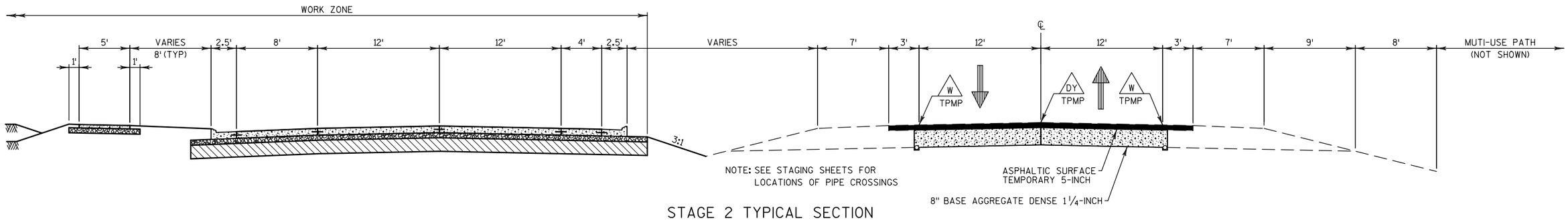
STAGE 1 TYPICAL SECTION
USH 18



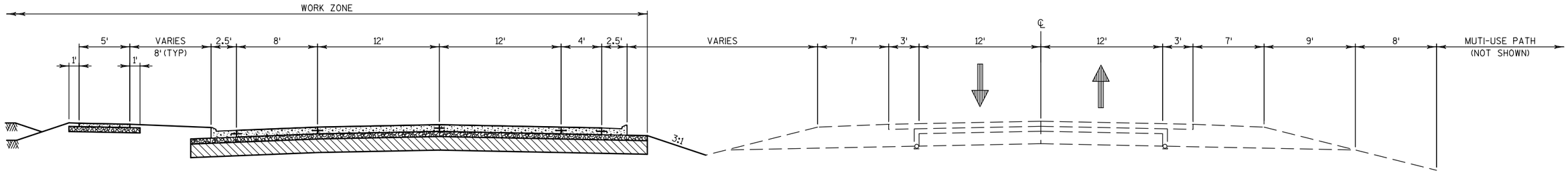
NOTE:
SEE STAGING SHEETS
FOR LOCATIONS OF
TEMPORARY WIDENING

STAGE 1 TYPICAL SECTION
WAUKESHA BYPASS

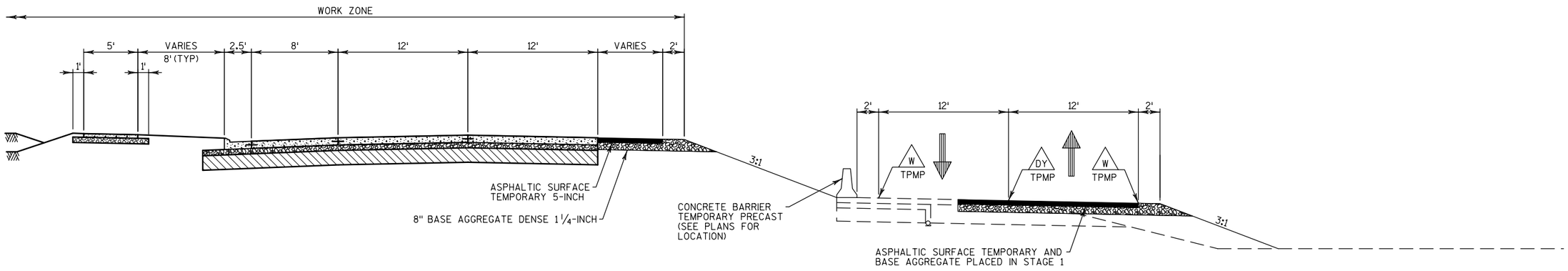
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - TEMPORARY PAVING STAGE 1	SHEET	E



STAGE 2 TYPICAL SECTION
WAUKESHA BYPASS
AT STORM SEWER PIPE CROSSINGS

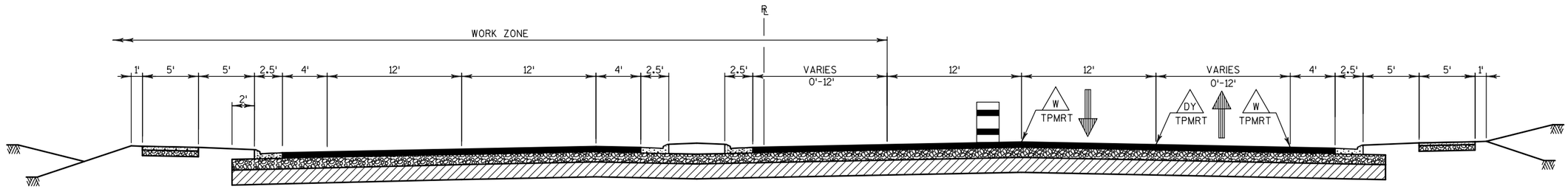


STAGE 2 TYPICAL SECTION
WAUKESHA BYPASS
NORTH OF USH 18



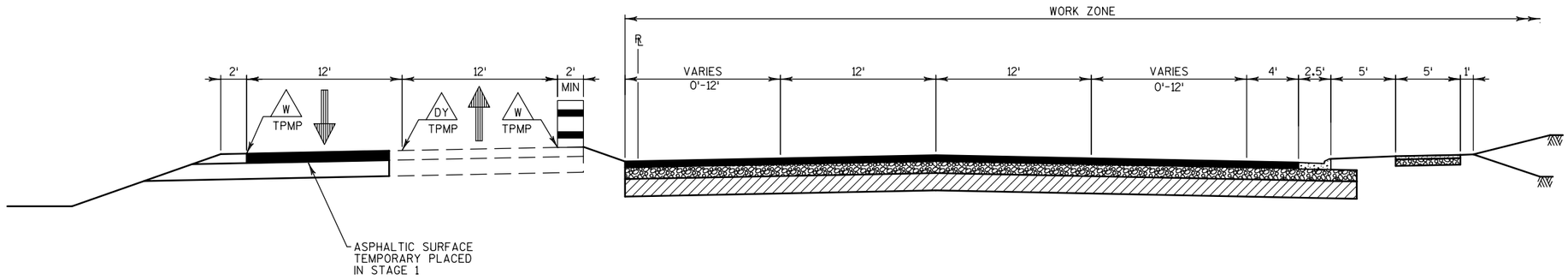
STAGE 2 TYPICAL SECTION
WAUKESHA BYPASS
SOUTH OF USH 18

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET	E



STAGE 2B TYPICAL SECTION

USH 18

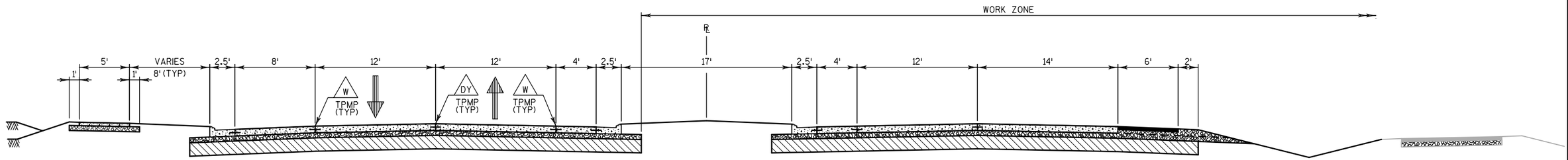


STAGE 2A TYPICAL SECTION

USH 18

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET	E

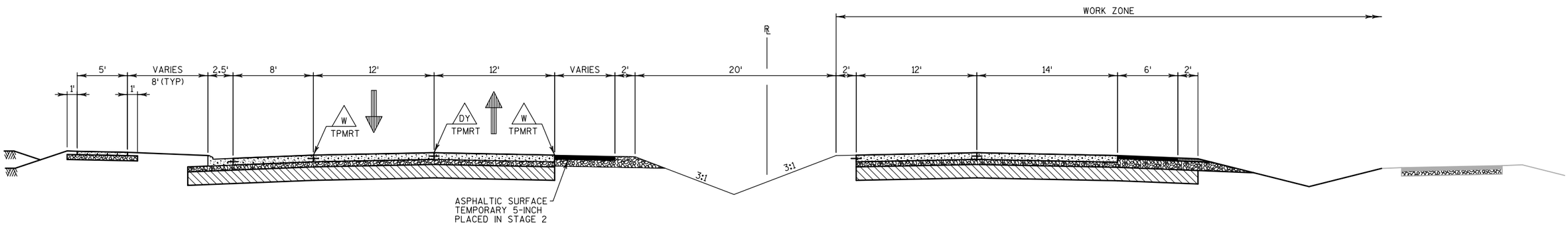
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STAGE 3 TYPICAL SECTION

WAUKESHA BYPASS

NORTH OF USH 18



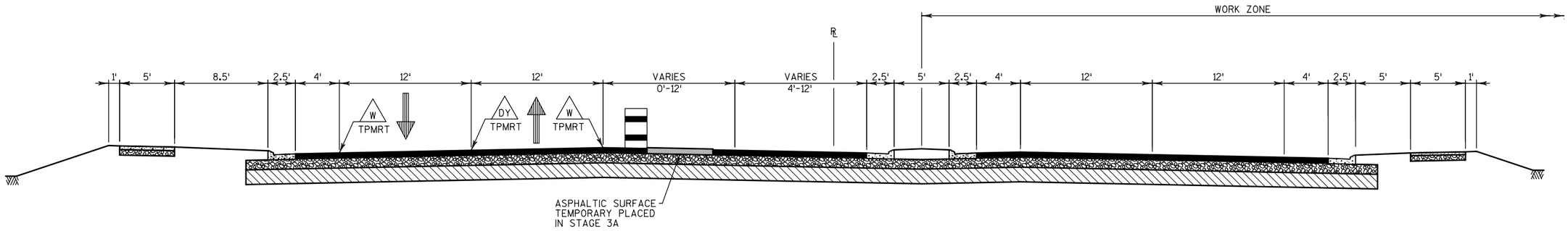
STAGE 3 TYPICAL SECTION

WAUKESHA BYPASS

SOUTH OF USH 18

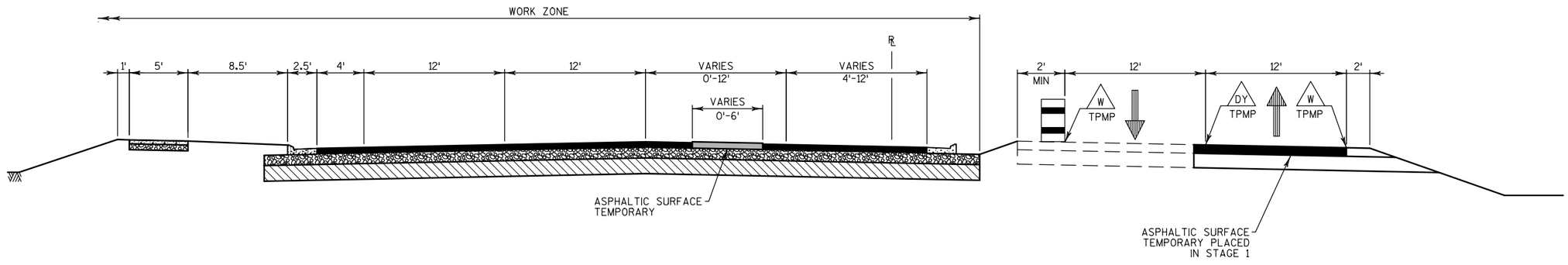
PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E

2



STAGE 3B TYPICAL SECTION

USH 18

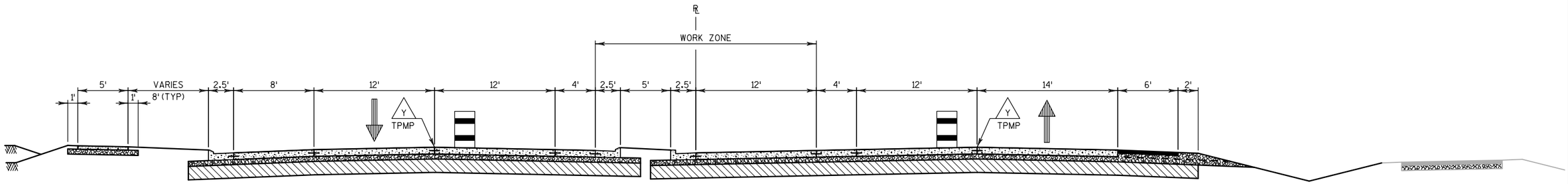


STAGE 3A TYPICAL SECTION

USH 18

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E

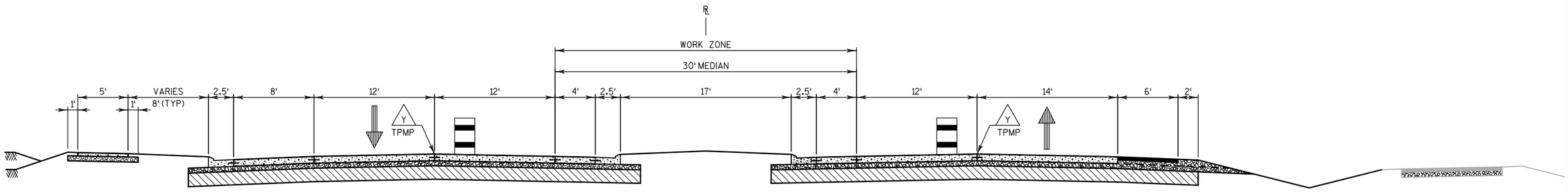
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STAGE 4 TYPICAL SECTION

WAUKESHA BYPASS

NORTH OF USH 18

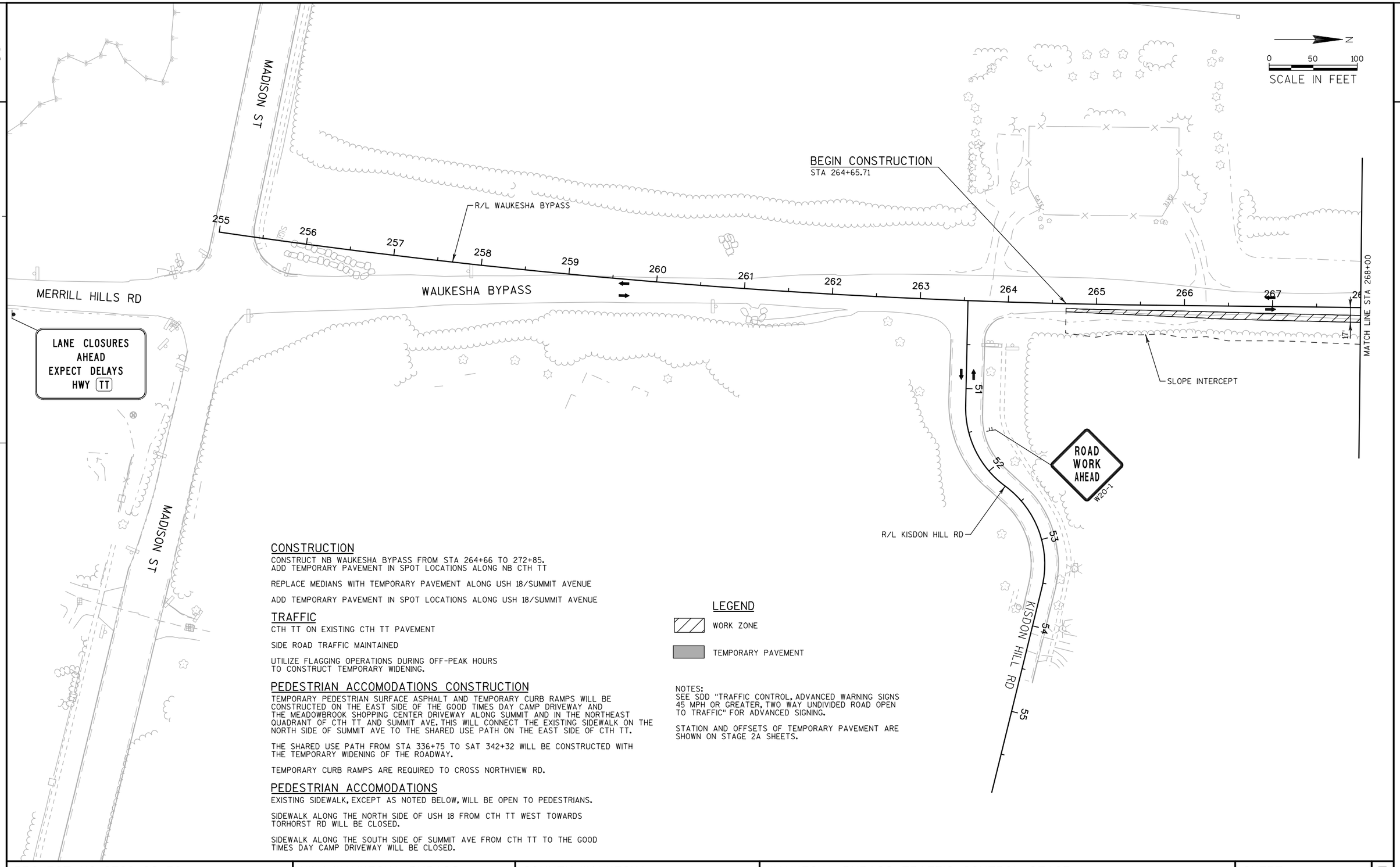


STAGE 4 TYPICAL SECTION

WAUKESHA BYPASS

SOUTH OF USH 18

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION STAGING TYPICALS - STAGE 4	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

LEGEND

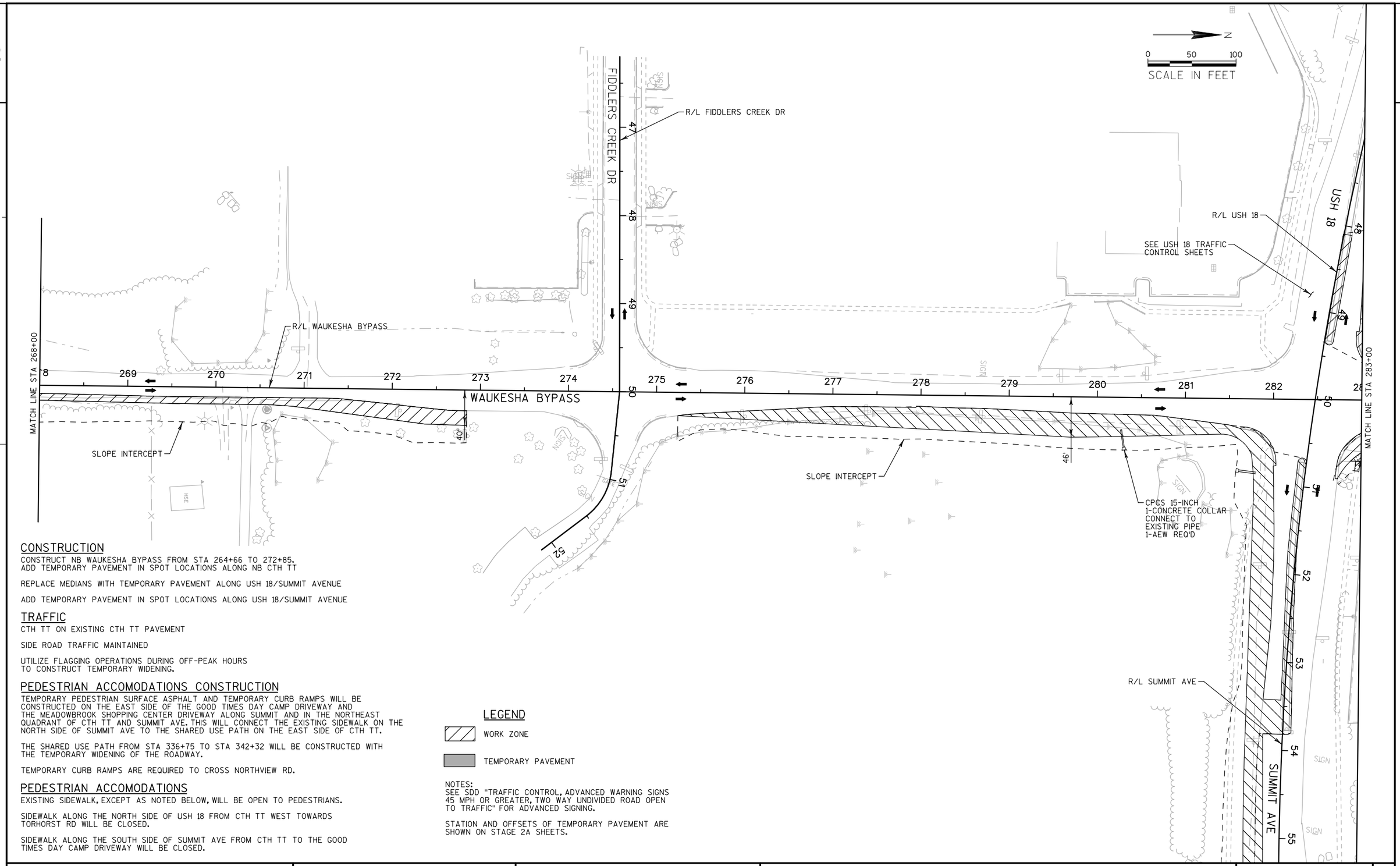
WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO STA 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E

2

2

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

N

0 50 100

SCALE IN FEET

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

USH 18

45

40

47

SEE USH 18 TRAFFIC CONTROL SHEETS

SLOPE INTERCEPT

END PROJECT
ID 2788-02-70
BEGIN PROJECT
ID 2788-00-72
STA 284+74.64

49

50

51

52

53

R/L WAUKESHA BYPASS

SIGN

WAUKESHA BYPASS

MATCH LINE STA 283+00

MATCH LINE STA 298+00

283 284 285 286 287 288 289 290 291 292 293 294 295 296 297

69'

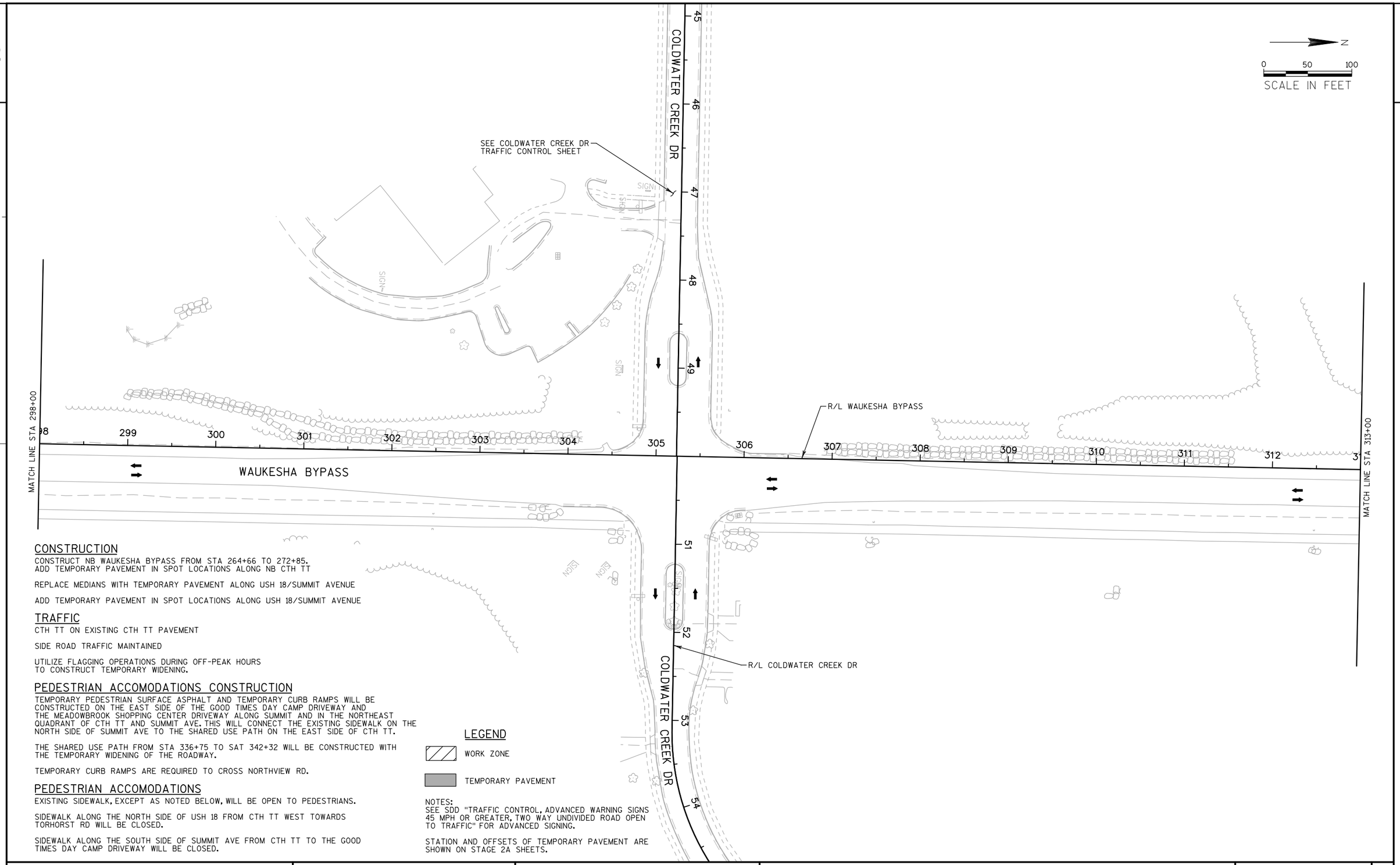
SLOPE INTERCEPT

REMOVE RAISED PAVEMENT MARKERS ALONG EXISTING CENTERLINE NORTH OF THE INTERSECTION DUE TO CONFLICT WITH STAGE 2 TRAFFIC

R/L DRIVEWAY

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E

2



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

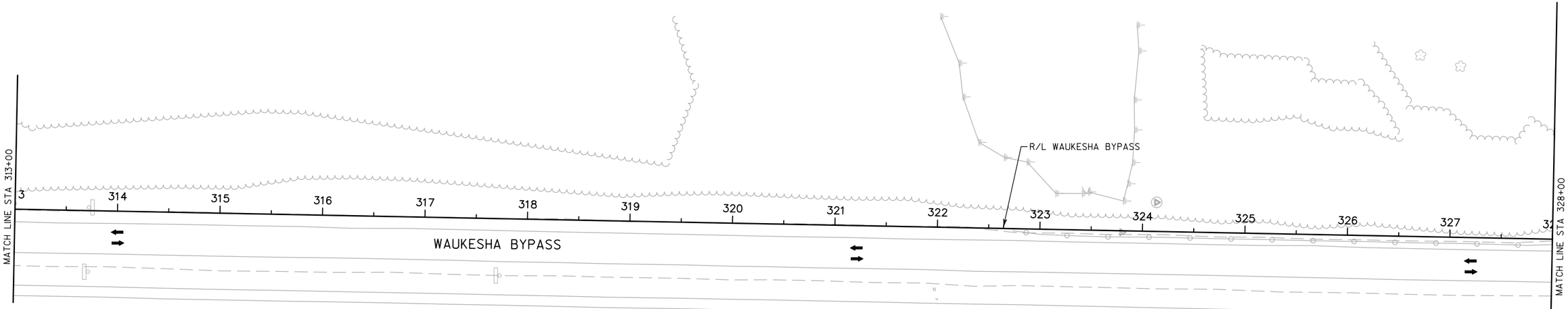
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E

2

N

0 50 100

SCALE IN FEET



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

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CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

LEGEND

WORK ZONE

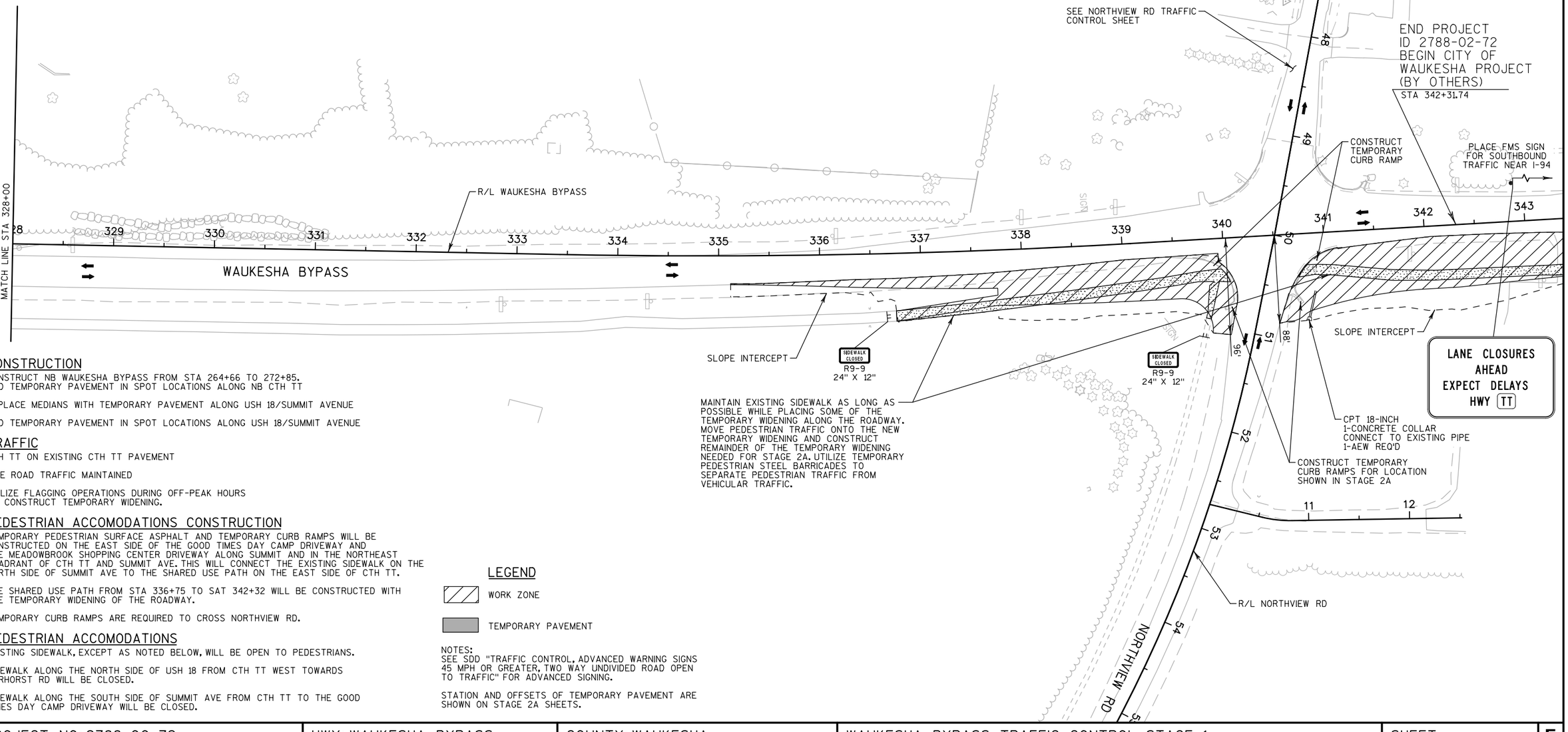
TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E

2



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

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SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 1	SHEET	E

2

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

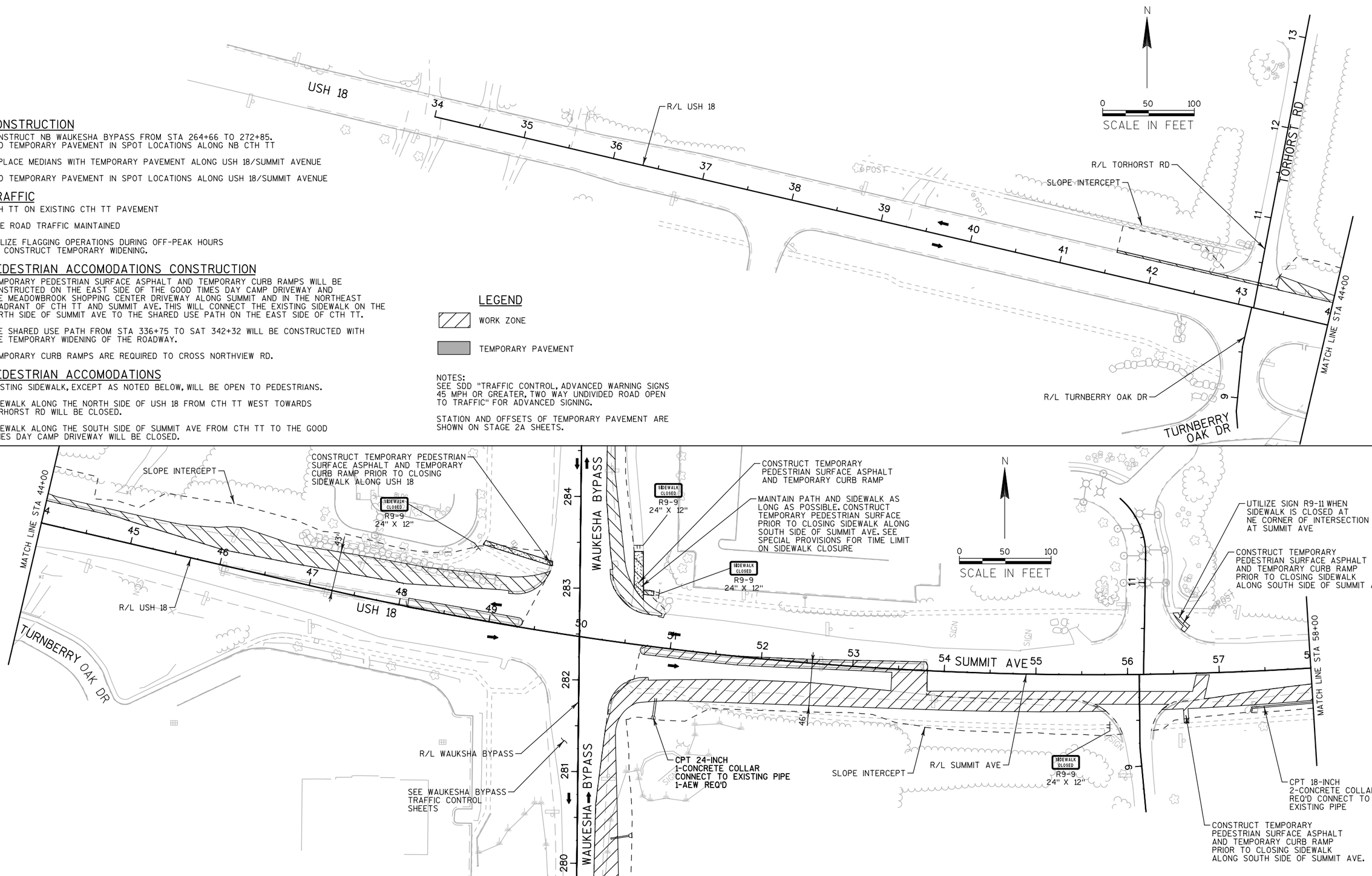
LEGEND

WORK ZONE

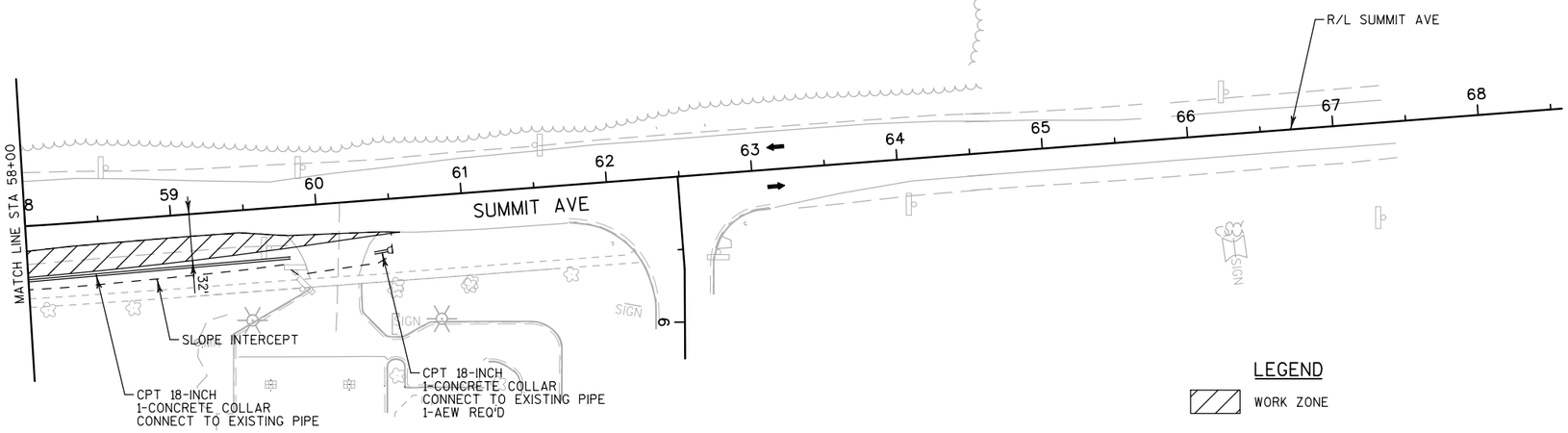
TEMPORARY PAVEMENT

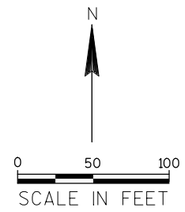
NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 1	SHEET	E





CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

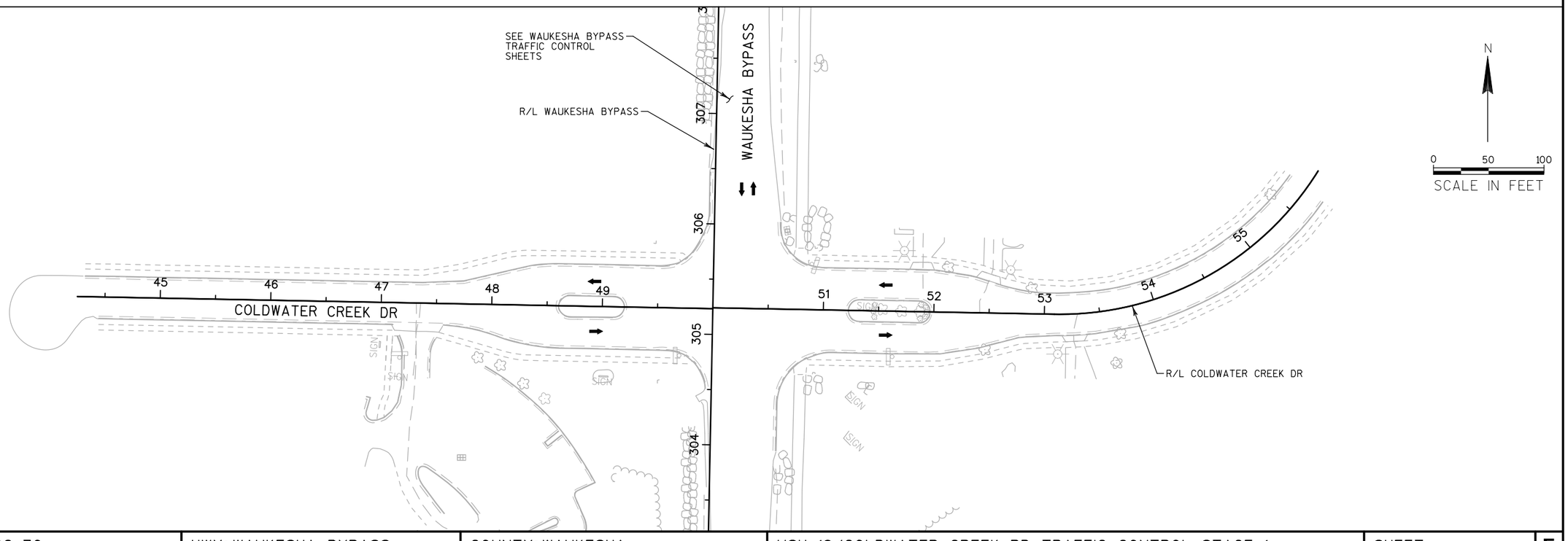
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTES:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 1	SHEET	E

2

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS FROM STA 264+66 TO 272+85.
ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG NB CTH TT

REPLACE MEDIANS WITH TEMPORARY PAVEMENT ALONG USH 18/SUMMIT AVENUE

ADD TEMPORARY PAVEMENT IN SPOT LOCATIONS ALONG USH 18/SUMMIT AVENUE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT

SIDE ROAD TRAFFIC MAINTAINED

UTILIZE FLAGGING OPERATIONS DURING OFF-PEAK HOURS
TO CONSTRUCT TEMPORARY WIDENING.

PEDESTRIAN ACCOMODATIONS CONSTRUCTION

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMPS WILL BE CONSTRUCTED ON THE EAST SIDE OF THE GOOD TIMES DAY CAMP DRIVEWAY AND THE MEADOWBROOK SHOPPING CENTER DRIVEWAY ALONG SUMMIT AND IN THE NORTHEAST QUADRANT OF CTH TT AND SUMMIT AVE. THIS WILL CONNECT THE EXISTING SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE TO THE SHARED USE PATH ON THE EAST SIDE OF CTH TT.

THE SHARED USE PATH FROM STA 336+75 TO SAT 342+32 WILL BE CONSTRUCTED WITH THE TEMPORARY WIDENING OF THE ROADWAY.

TEMPORARY CURB RAMPS ARE REQUIRED TO CROSS NORTHVIEW RD.

PEDESTRIAN ACCOMODATIONS

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SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM CTH TT WEST TOWARDS TORHORST RD WILL BE CLOSED.

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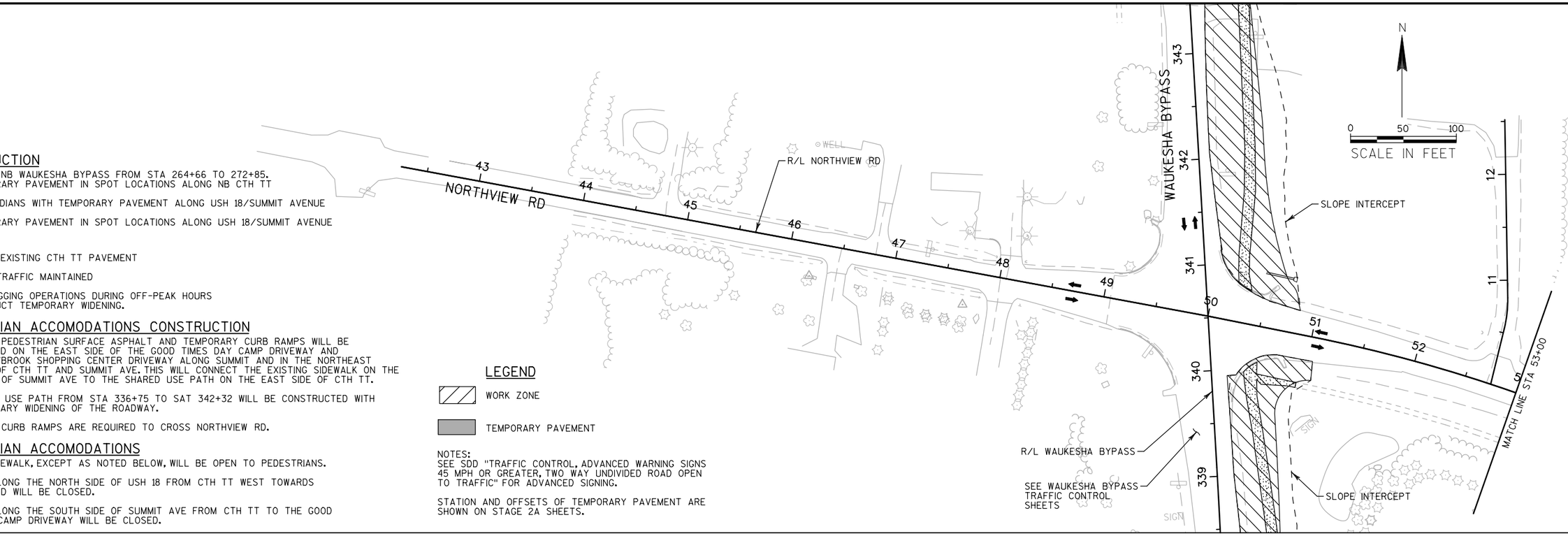
LEGEND

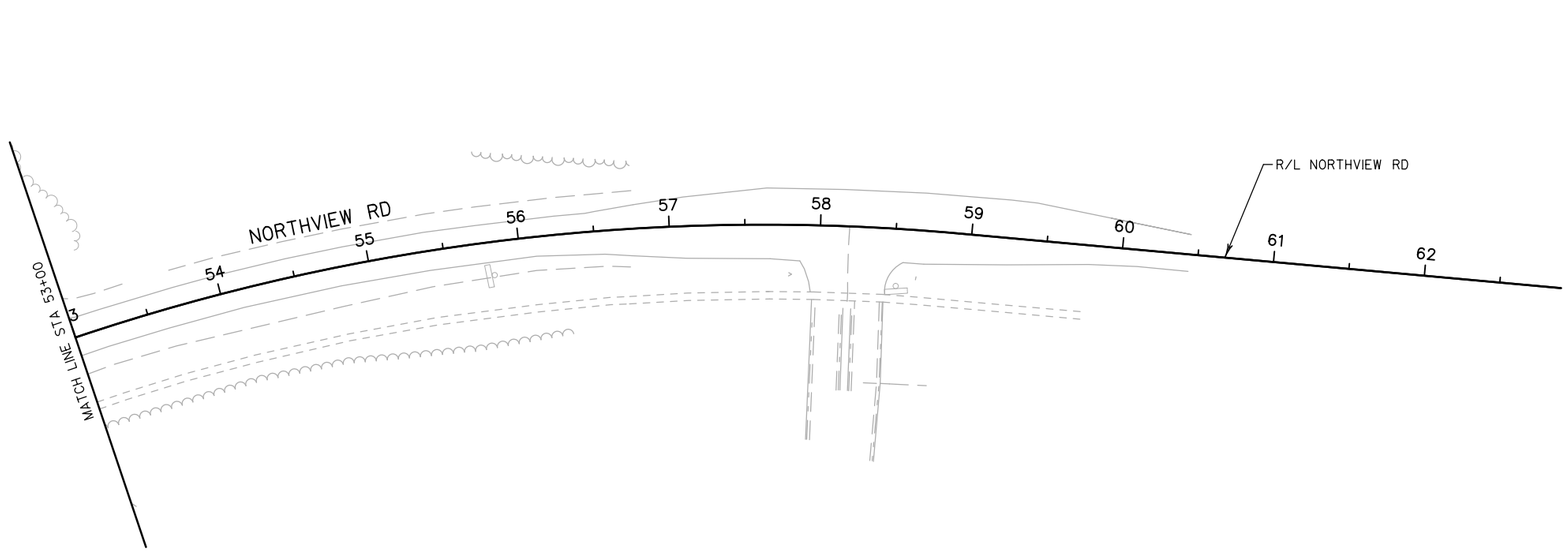
WORK ZONE

TEMPORARY PAVEMENT

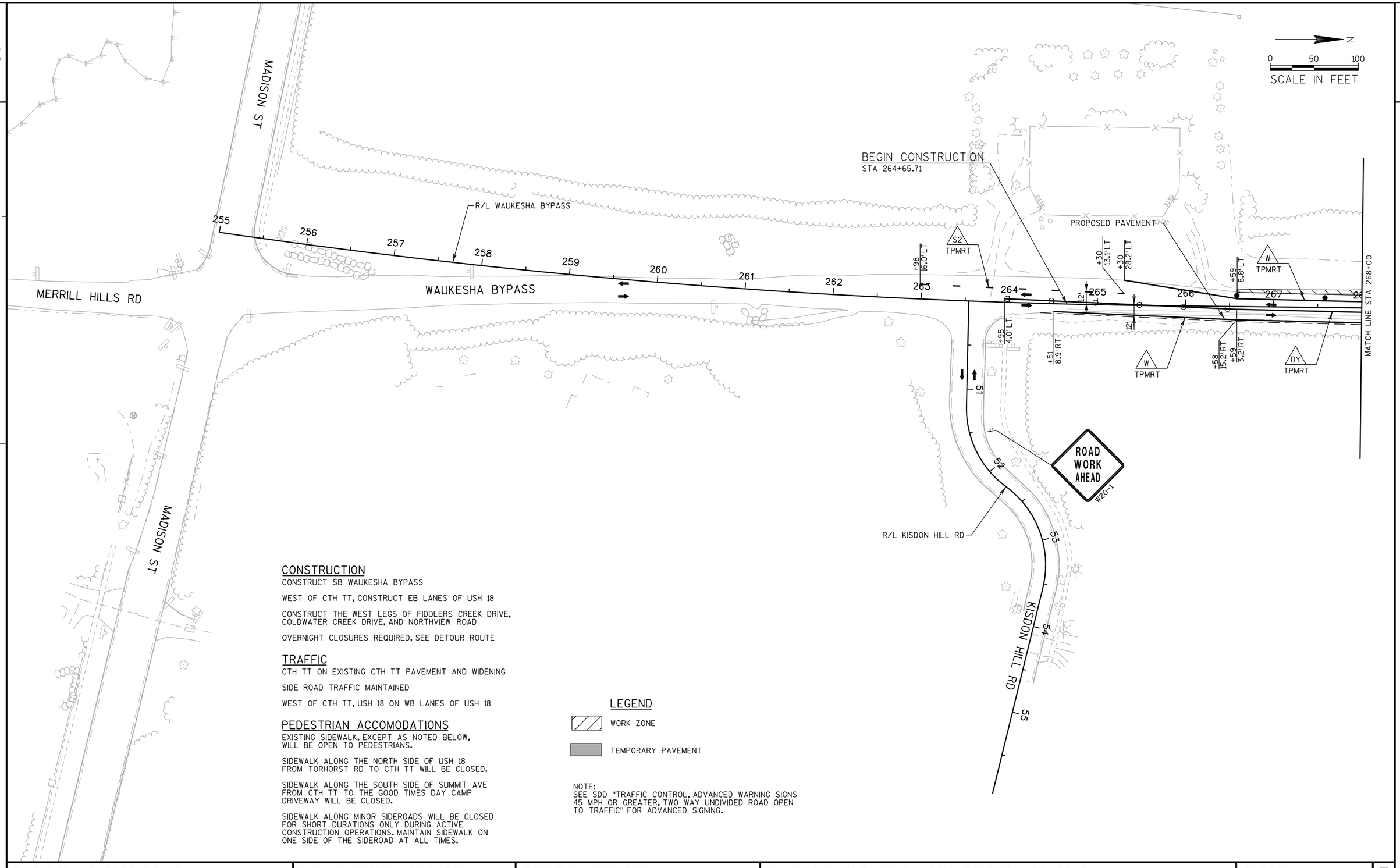
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SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSETS OF TEMPORARY PAVEMENT ARE SHOWN ON STAGE 2A SHEETS.





PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 1	SHEET	E



CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

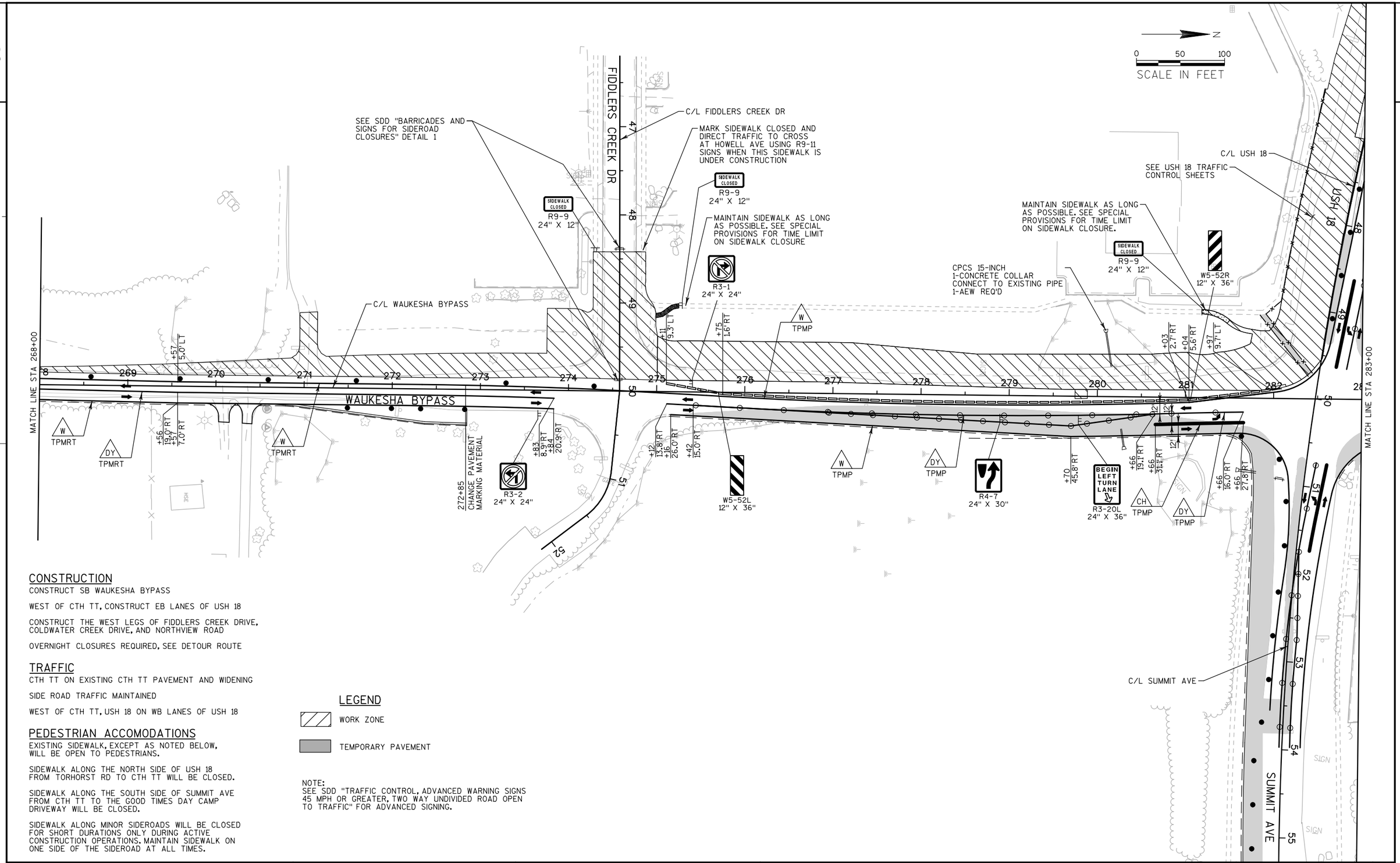
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E



CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

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LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E

2

N

0 50 100

SCALE IN FEET

SEE USH 18 TRAFFIC CONTROL SHEETS

MAINTAIN SIDEWALK AS LONG AS POSSIBLE. SEE SPECIAL PROVISIONS FOR TIME LIMIT ON SIDEWALK CLOSURE.

PAVEMENT GAP REQ'D

WORK ZONE TO INSTALL STORM SEWER PIPE

R/L WAUKESHA BYPASS

END PROJECT
ID 2788-02-70
BEGIN PROJECT
ID 2788-00-72
STA 284+74.64

SIDEWALK CLOSED
R9-9
24" X 12"

MATCH LINE STA 283+00

MATCH LINE STA 298+00

284 285 286 287 288 289 290 291 292 293 294 295 296 297

8:1 TAPER

3'R

2.5'R

12'

WAUKESHA BYPASS

+33 13.0' RT
+33 25.0' RT
DY TPMP

+33 25.0' RT
CH TPMP

W TPMP

+29 13.0' RT
BEGIN LEFT TURN LANE
R3-20L
24" X 36"

Y TPMP

+29 13.0' RT
BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

R4-7
24" X 30"

+95 16.2' RT
+98 41.7' RT

+38 18.7' RT
+39 45.3' RT

Y TPMP

+67 24.7' RT

+40 38.0' RT

W TPMP

DY TPMP

W TPMP

R/L DRIVEWAY

52

53

CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E

2

N

0 50 100

SCALE IN FEET

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

COLDWATER CREEK DR

PAVEMENT GAP REQ'D

R/L WAUKESHA BYPASS

MATCH LINE STA 298+00

MATCH LINE STA 313+00

WAUKESHA BYPASS

3.25° R

8:1 TAPER

BEGIN LEFT TURN LANE

R3-20L
24" X 36"

EXISTING PAVEMENT MARKING
STA 310+50 TO STA 330+50

+50.00
MATCH EXISTING
PAVEMENT MARKING

R/L COLDWATER CREEK DR

COLDWATER CREEK DR

CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

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LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS

TEMPORARY PAVEMENT

NOTE:
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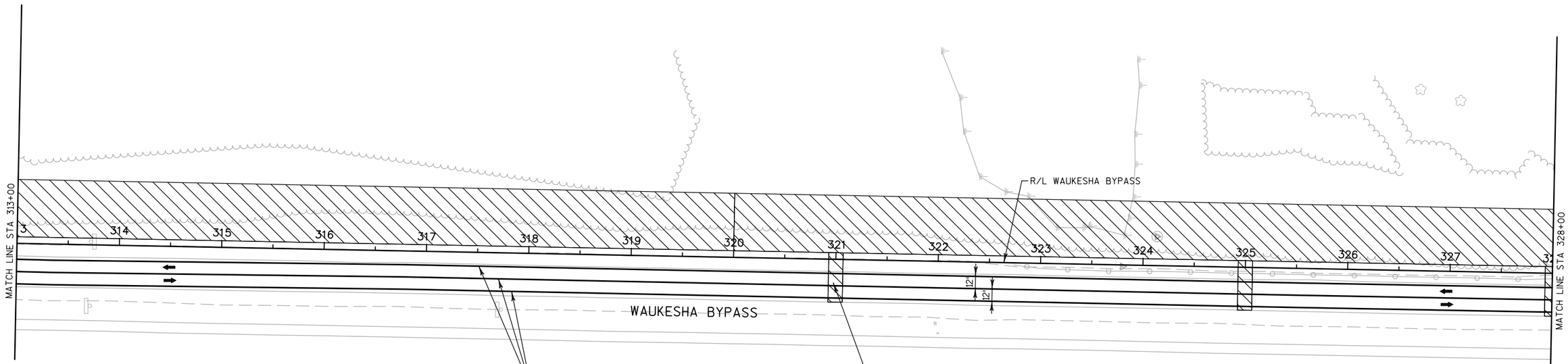
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E

2

N

0 50 100

SCALE IN FEET



CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

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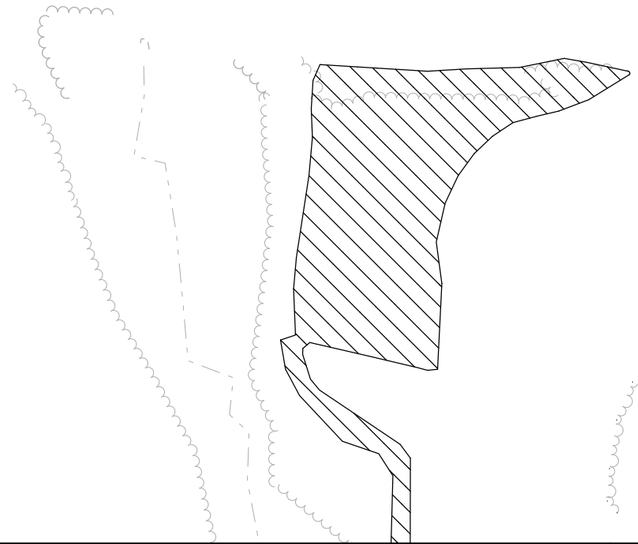
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LEGEND

WORK ZONE

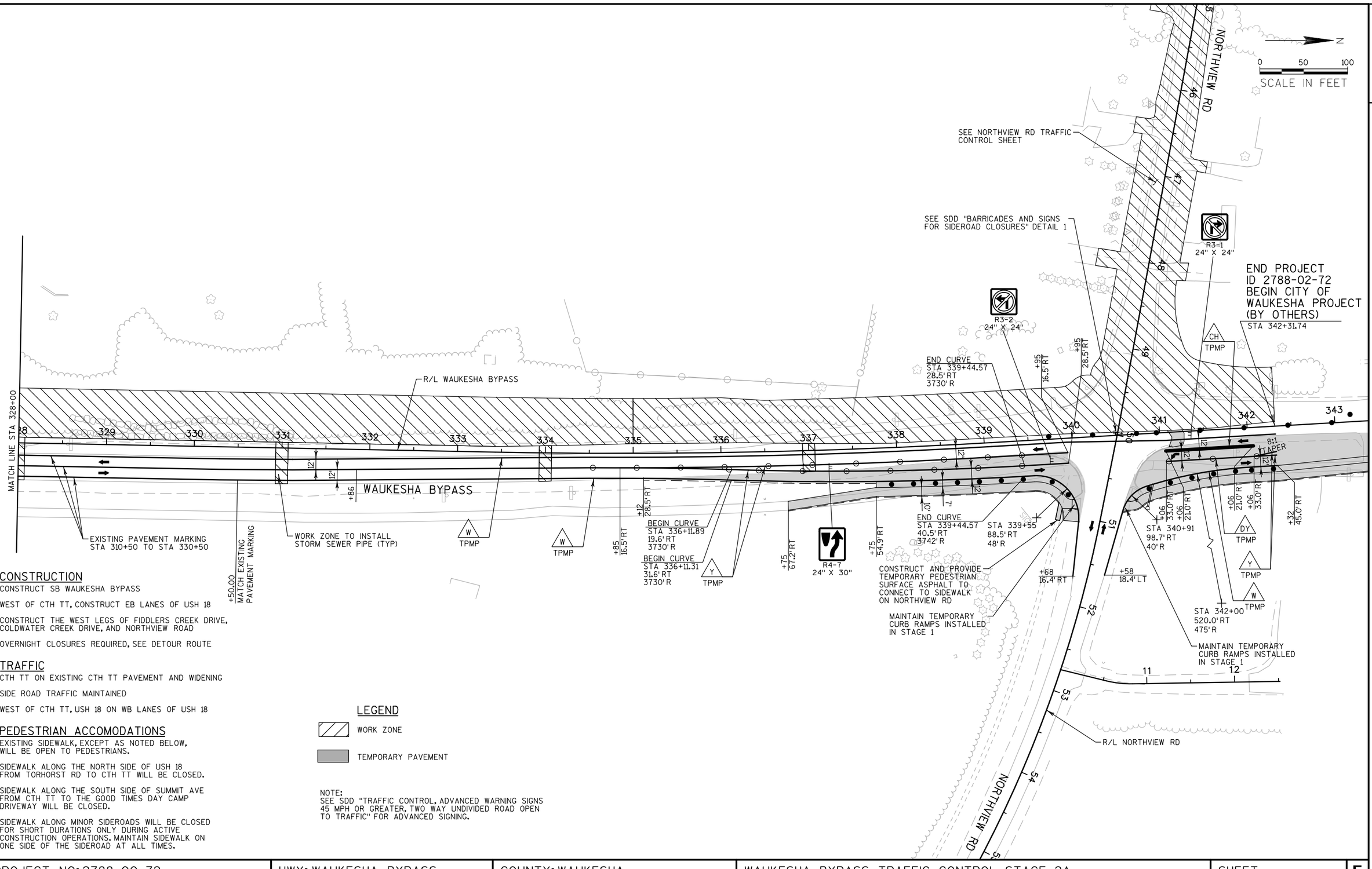
TEMPORARY PAVEMENT

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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E

2



CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

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LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2A	SHEET	E

CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

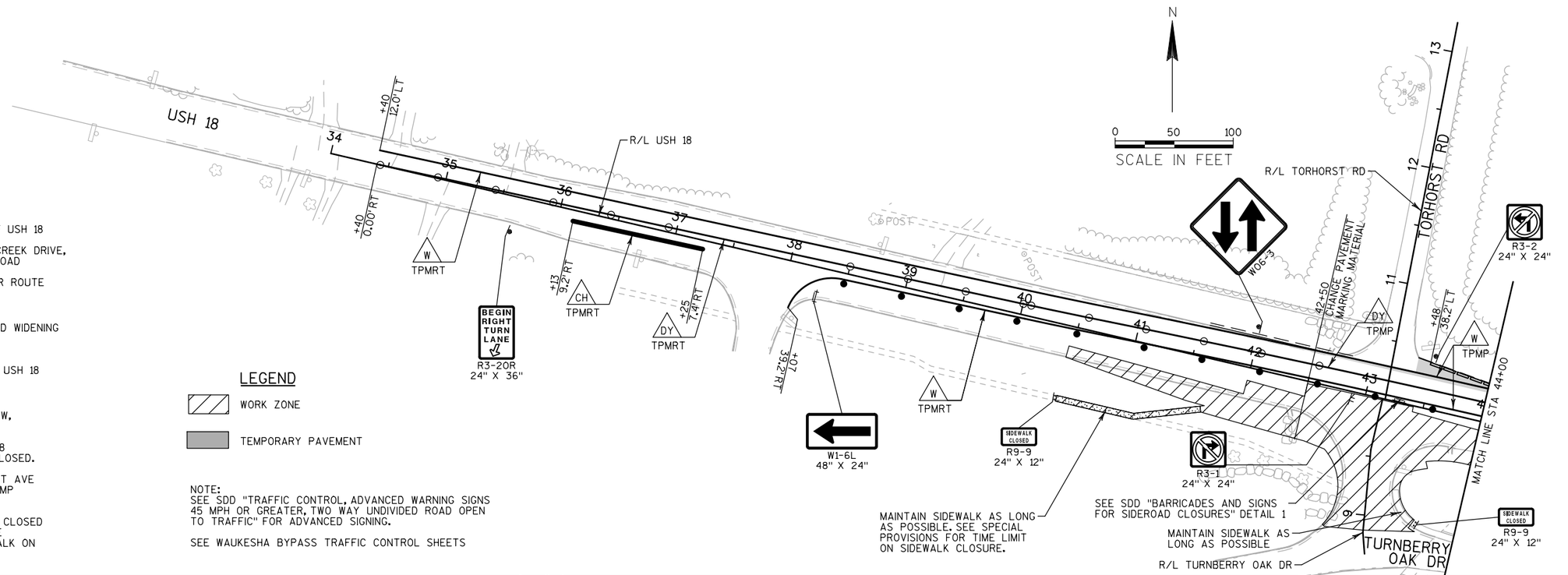
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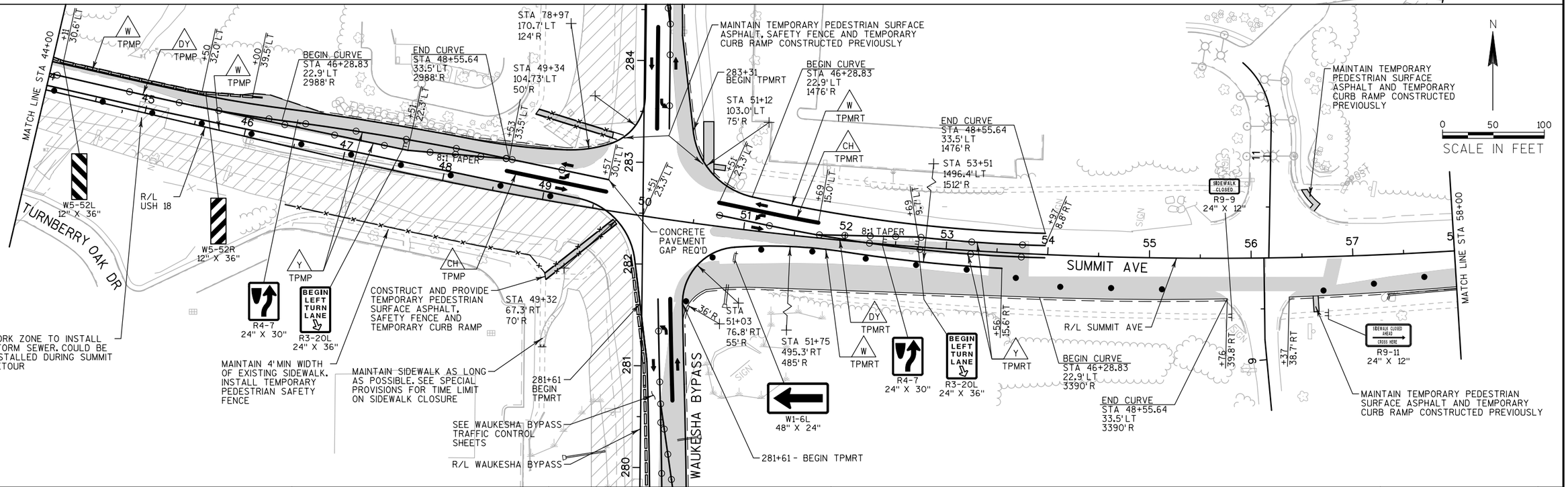
LEGEND

WORK ZONE

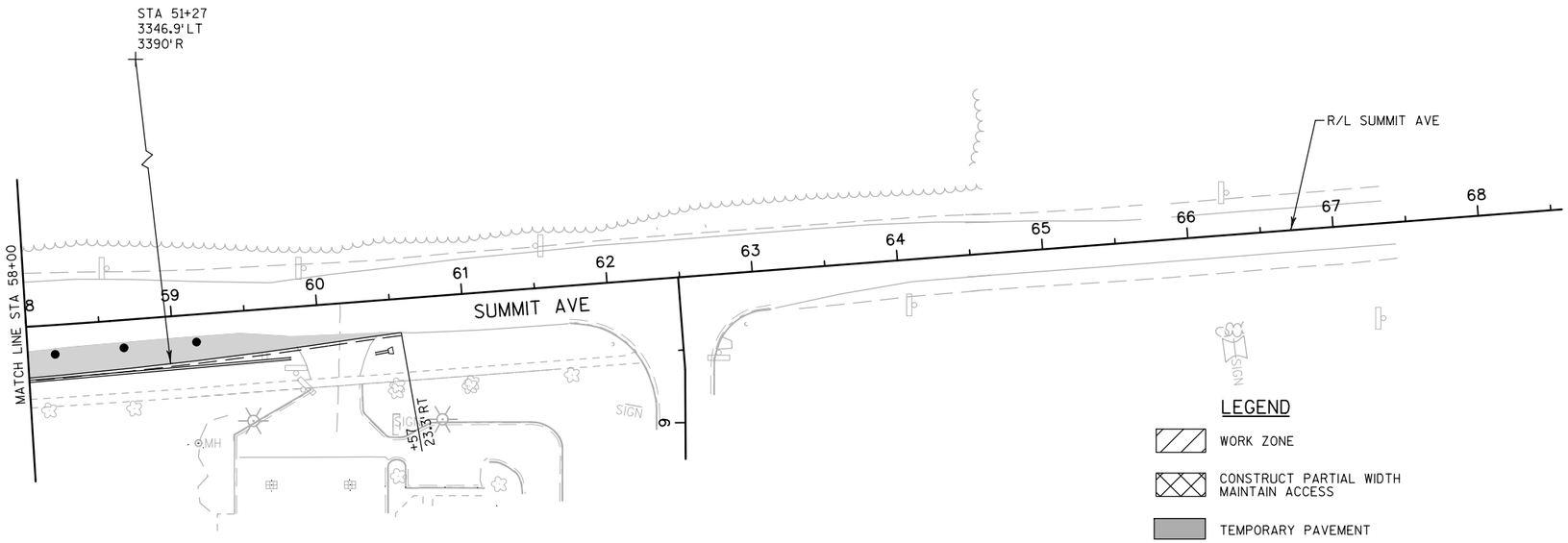
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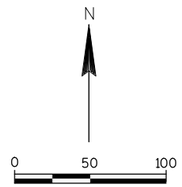
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SEE WAUKESHA BYPASS TRAFFIC CONTROL SHEETS



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 2A	SHEET	E





LEGEND

- WORK ZONE
- CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS
- TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

SEE WAUKESHA BYPASS TRAFFIC CONTROL SHEETS

CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

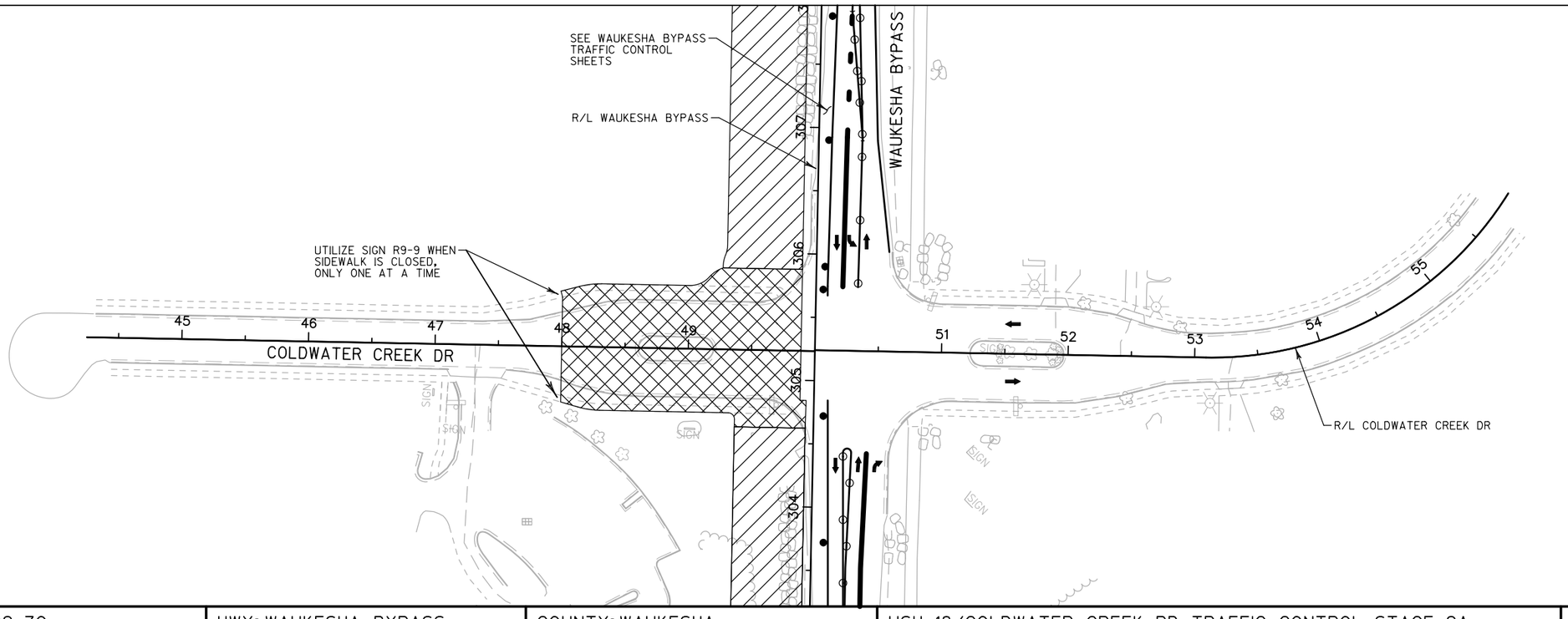
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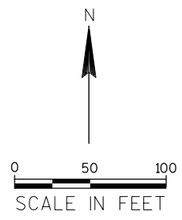
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SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.





PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 2A	SHEET	E

CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

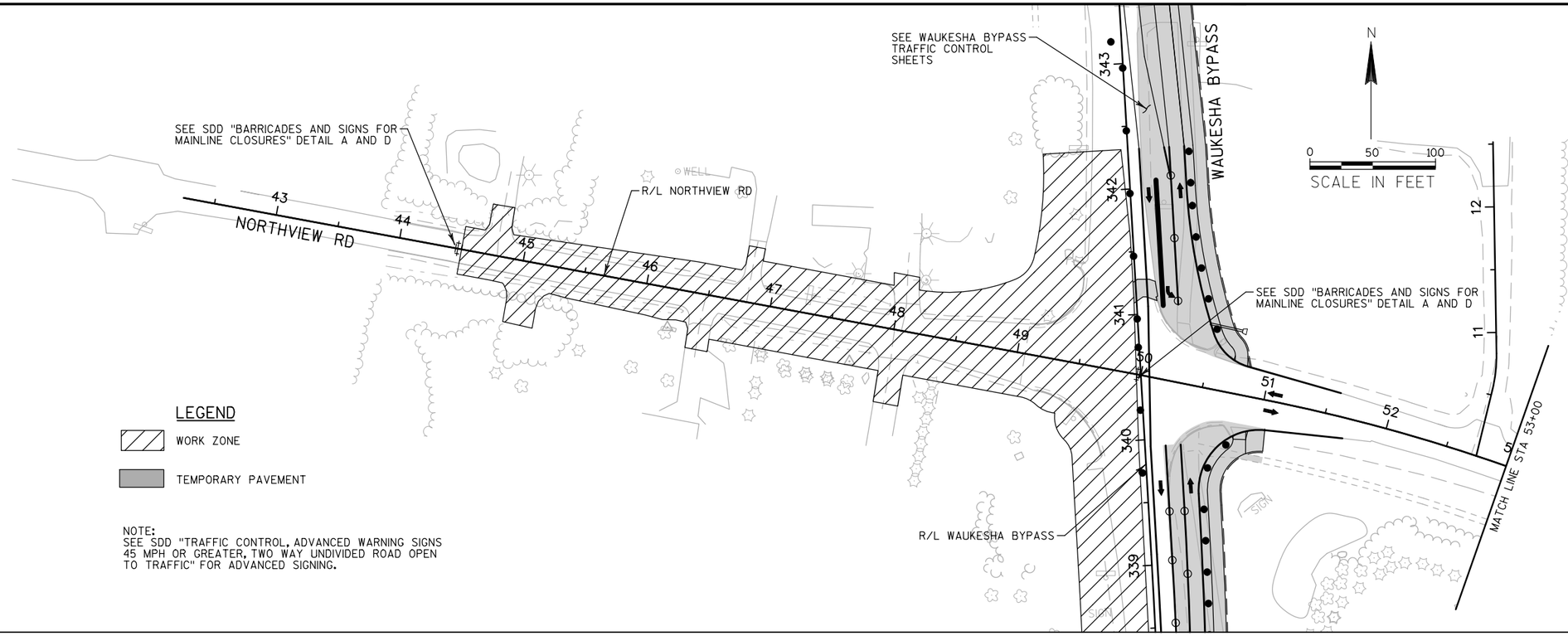
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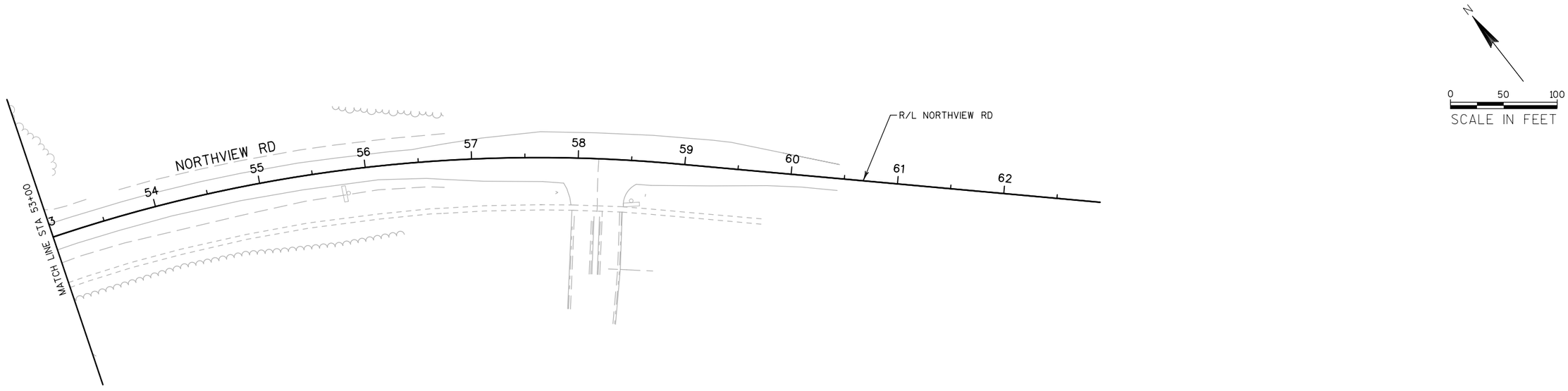
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SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

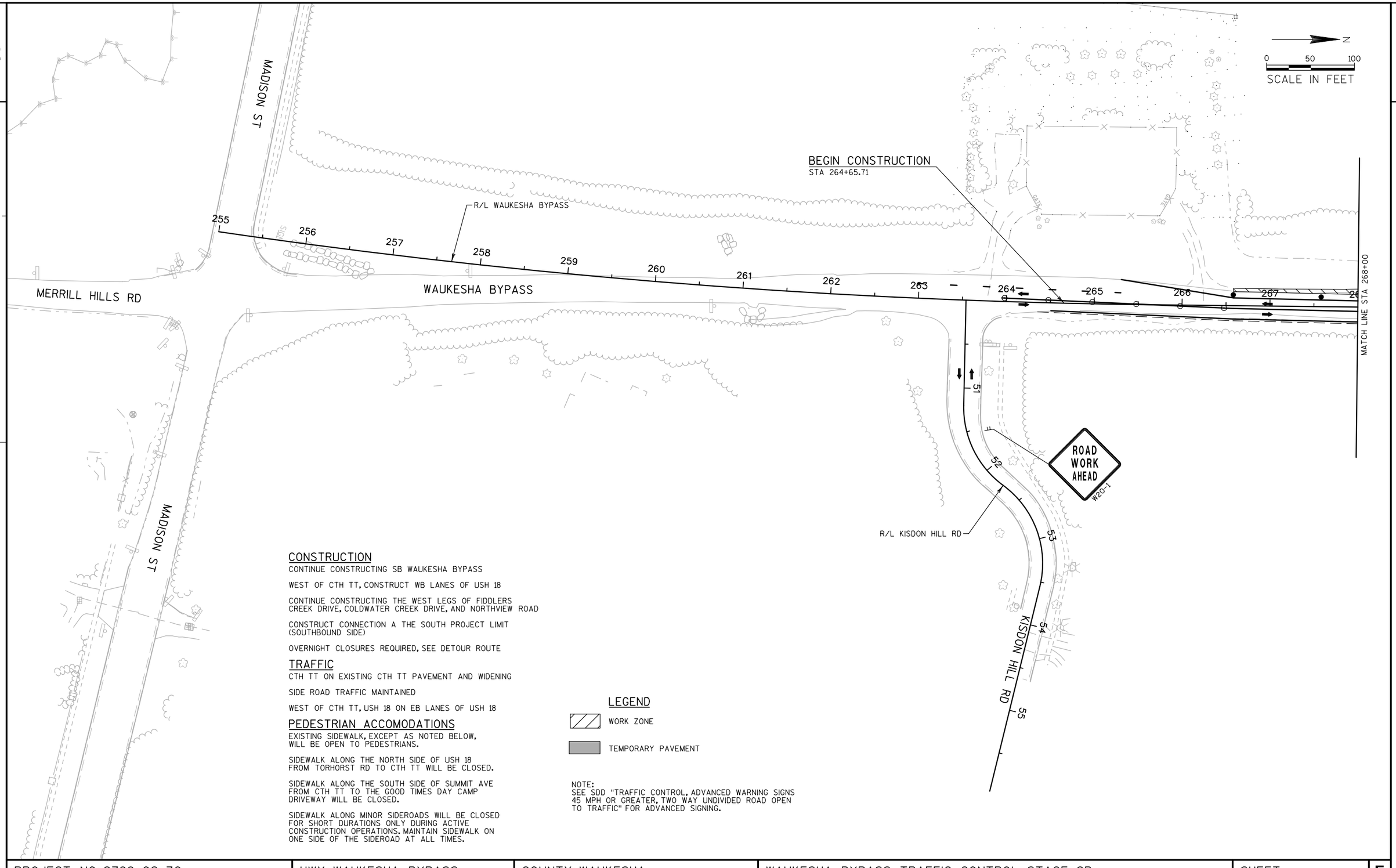
SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.



NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 2A	SHEET	E



CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

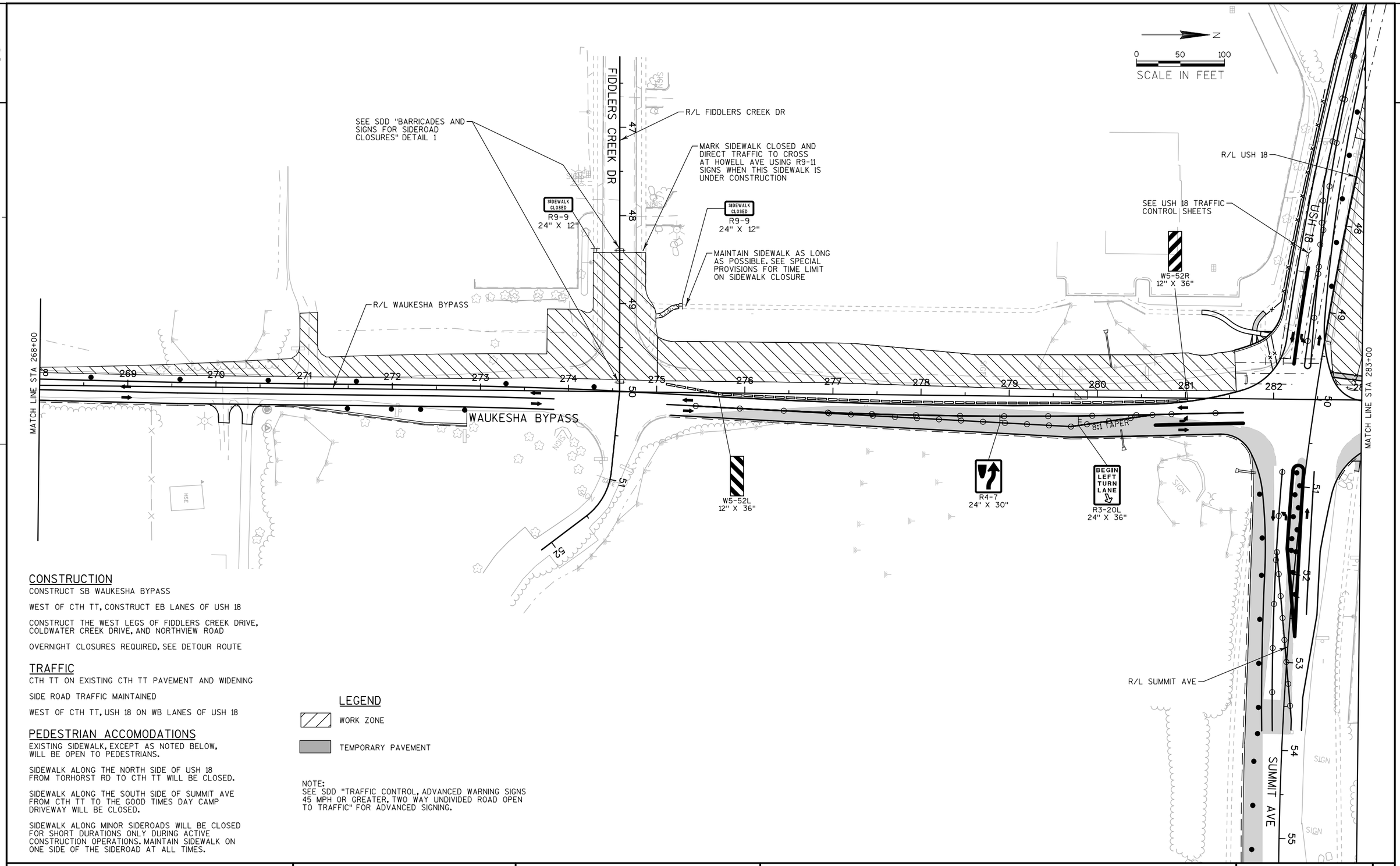
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E



CONSTRUCTION

CONSTRUCT SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT EB LANES OF USH 18

CONSTRUCT THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON WB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E

CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

- WORK ZONE
- CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS
- TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

N

0 50 100

SCALE IN FEET

USH 18

SEE USH 18 TRAFFIC CONTROL SHEETS

END PROJECT
ID 2788-02-70
BEGIN PROJECT
ID 2788-00-72
STA 284+74.64

MAINTAIN SIDEWALK AS LONG AS POSSIBLE. SEE SPECIAL PROVISIONS FOR TIME LIMIT ON SIDEWALK CLOSURE.

SIDEWALK CLOSED
R9-9
24" X 12"

R/L WAUKESHA BYPASS

MATCH LINE STA 283+00

MATCH LINE STA 298+00

284 285 286 287 288 289 290 291 292 293 294 295 296 297

8:1 TAPER

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

R4-7
24" X 30"

R/L DRIVEWAY

WAUKESHA BYPASS

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E

2

N

0 50 100

SCALE IN FEET

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

COLDWATER CREEK DR

45 46 47 48 49

SIGN

MATCH LINE STA 298+00

298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313

MATCH LINE STA 313+00

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

BEGIN LEFT TURN LANE

R3-20L
24" X 36"

+50.00
MATCH EXISTING PAVEMENT MARKING

51 52 53 54

COLDWATER CREEK DR

R/L COLDWATER CREEK DR

CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

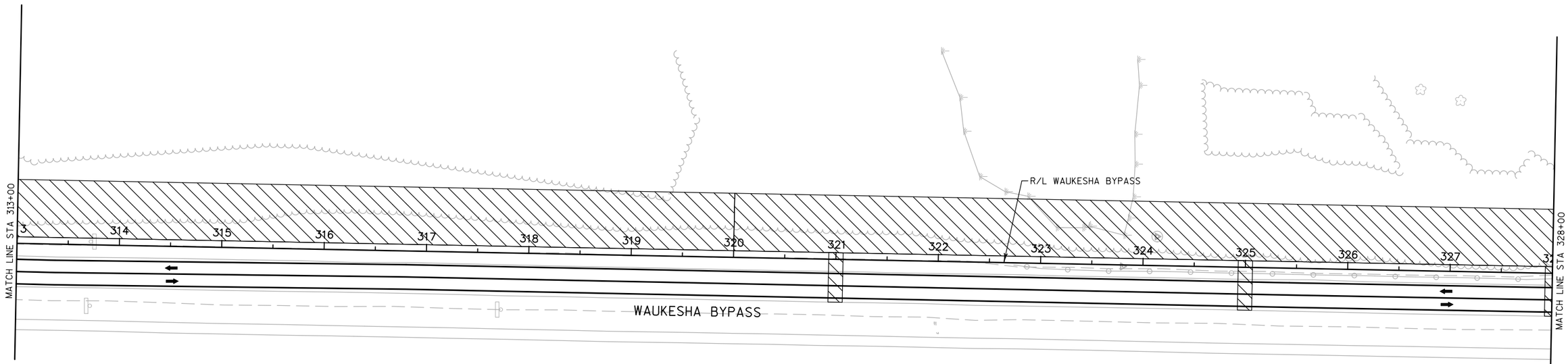
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E

2

N

0 50 100

SCALE IN FEET



CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

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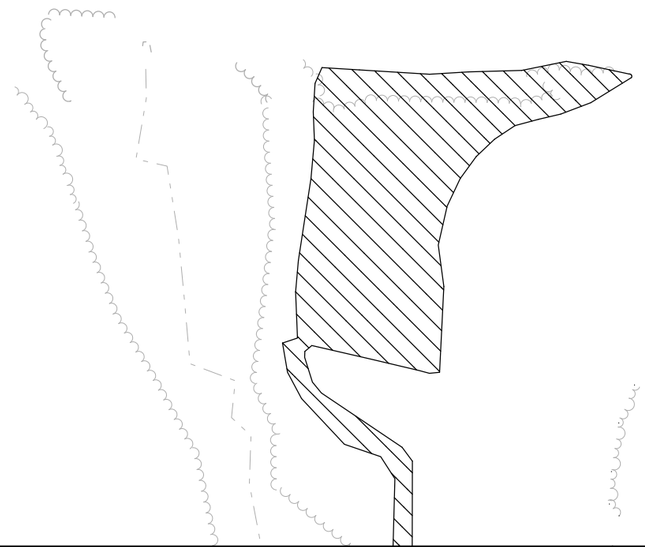
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LEGEND

WORK ZONE

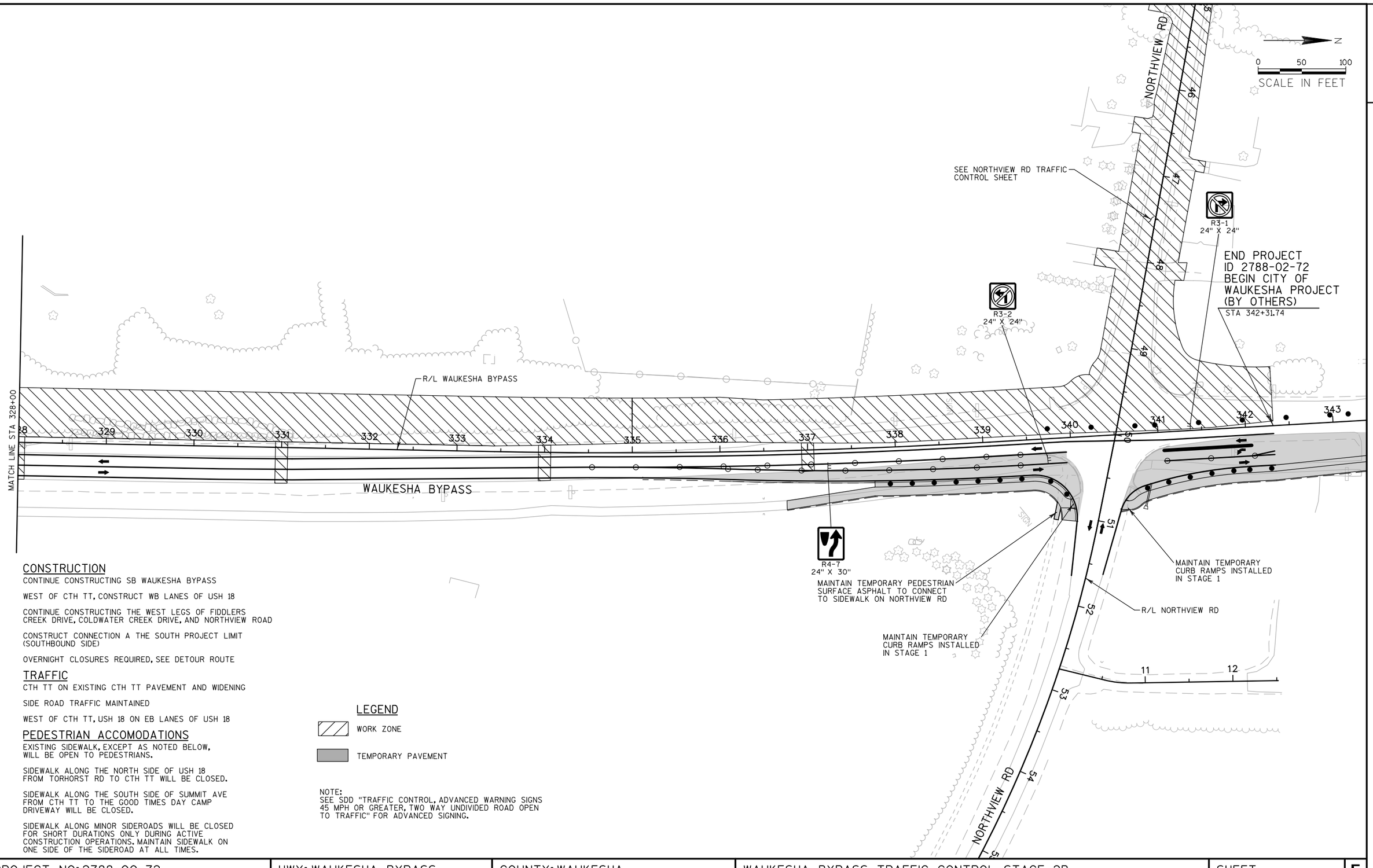
TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E

2



CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 2B	SHEET	E

CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

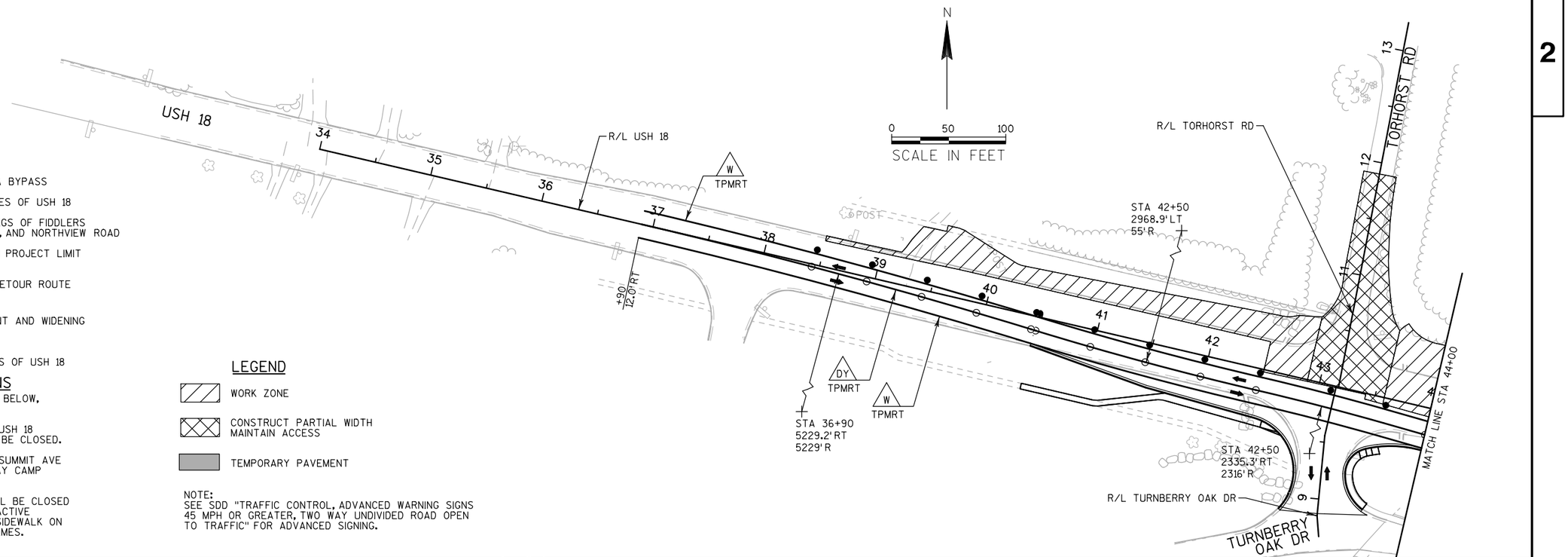
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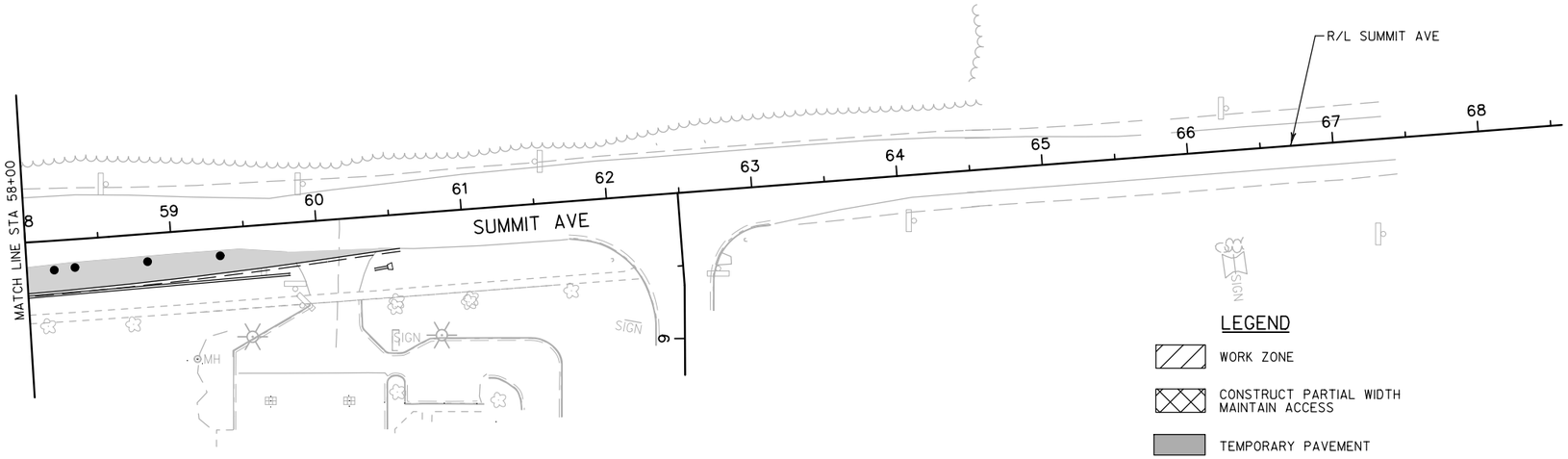
LEGEND

- WORK ZONE
- CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS
- TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 2B	SHEET	E



LEGEND

- WORK ZONE
- CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS
- TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

N

0 50 100

SCALE IN FEET

CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

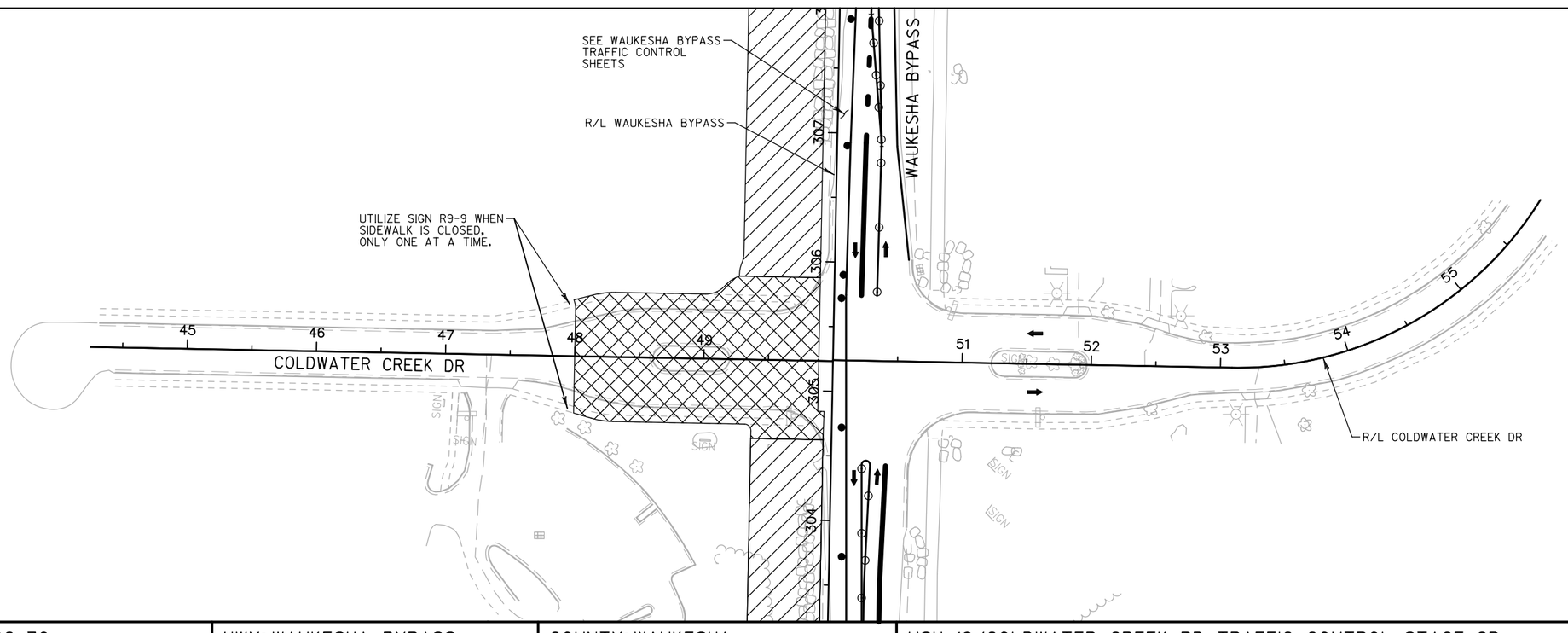
PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE NORTH SIDE OF USH 18 FROM TORHORST RD TO CTH TT WILL BE CLOSED.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.



N

0 50 100

SCALE IN FEET

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 2B	SHEET	E

CONSTRUCTION

CONTINUE CONSTRUCTING SB WAUKESHA BYPASS

WEST OF CTH TT, CONSTRUCT WB LANES OF USH 18

CONTINUE CONSTRUCTING THE WEST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION A THE SOUTH PROJECT LIMIT (SOUTHBOUND SIDE)

OVERNIGHT CLOSURES REQUIRED, SEE DETOUR ROUTE

TRAFFIC

CTH TT ON EXISTING CTH TT PAVEMENT AND WIDENING

SIDE ROAD TRAFFIC MAINTAINED

WEST OF CTH TT, USH 18 ON EB LANES OF USH 18

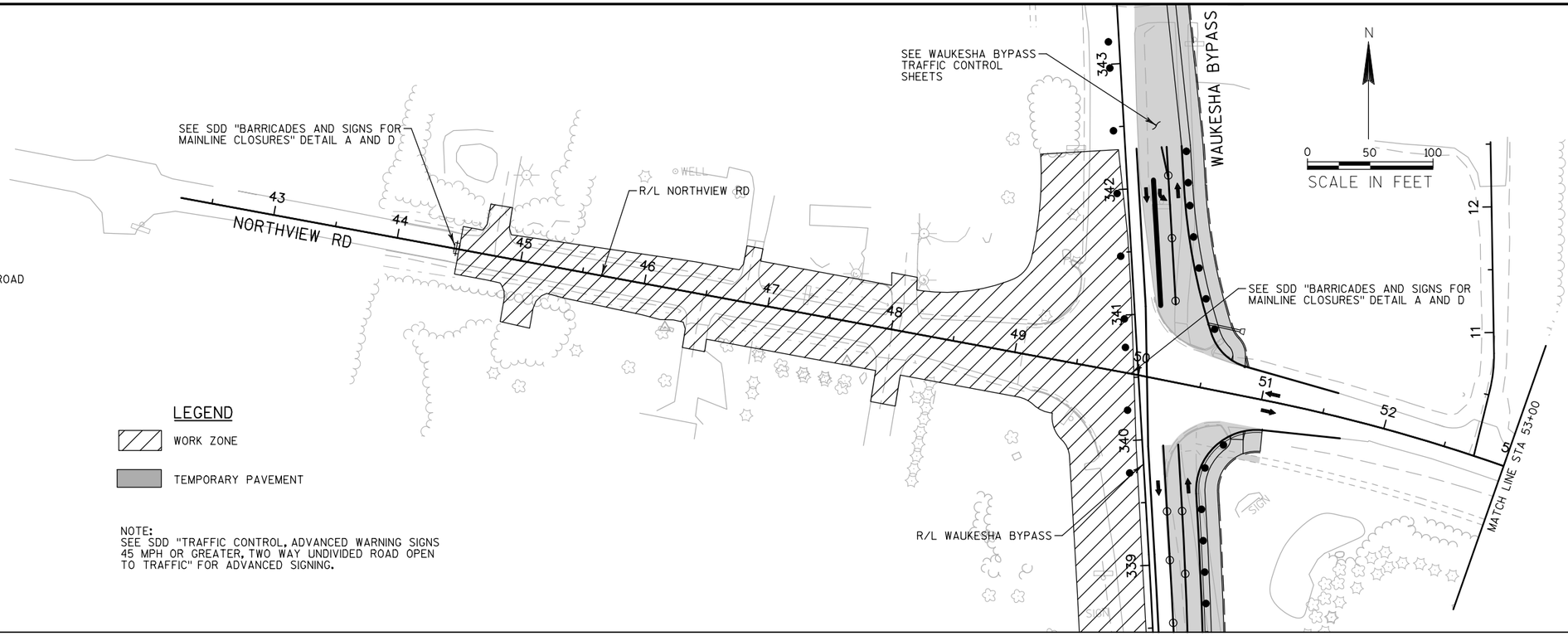
PEDESTRIAN ACCOMODATIONS

EXISTING SIDEWALK, EXCEPT AS NOTED BELOW, WILL BE OPEN TO PEDESTRIANS.

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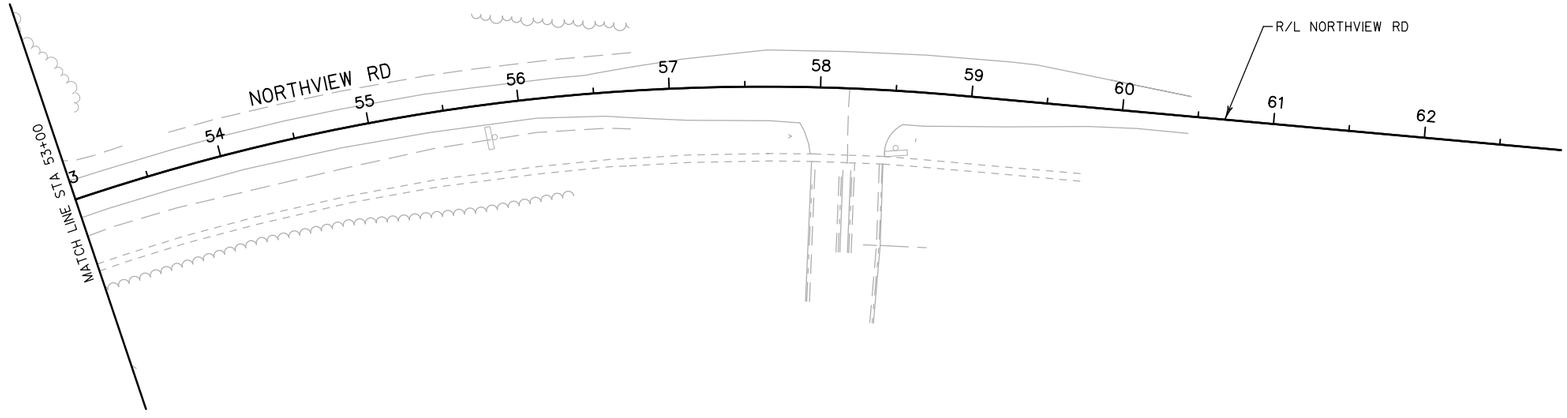


LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

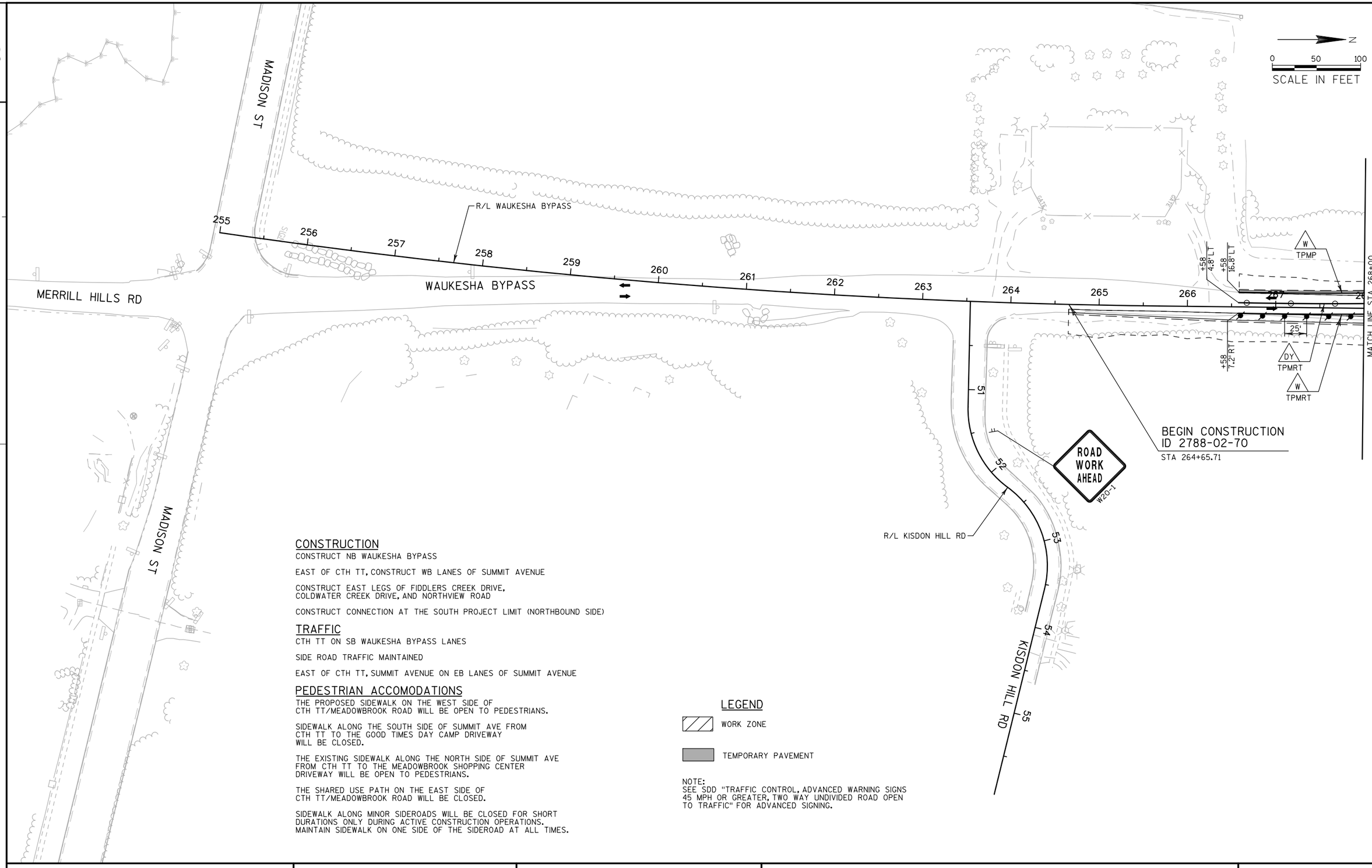


N

0 50 100

SCALE IN FEET

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 2B	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

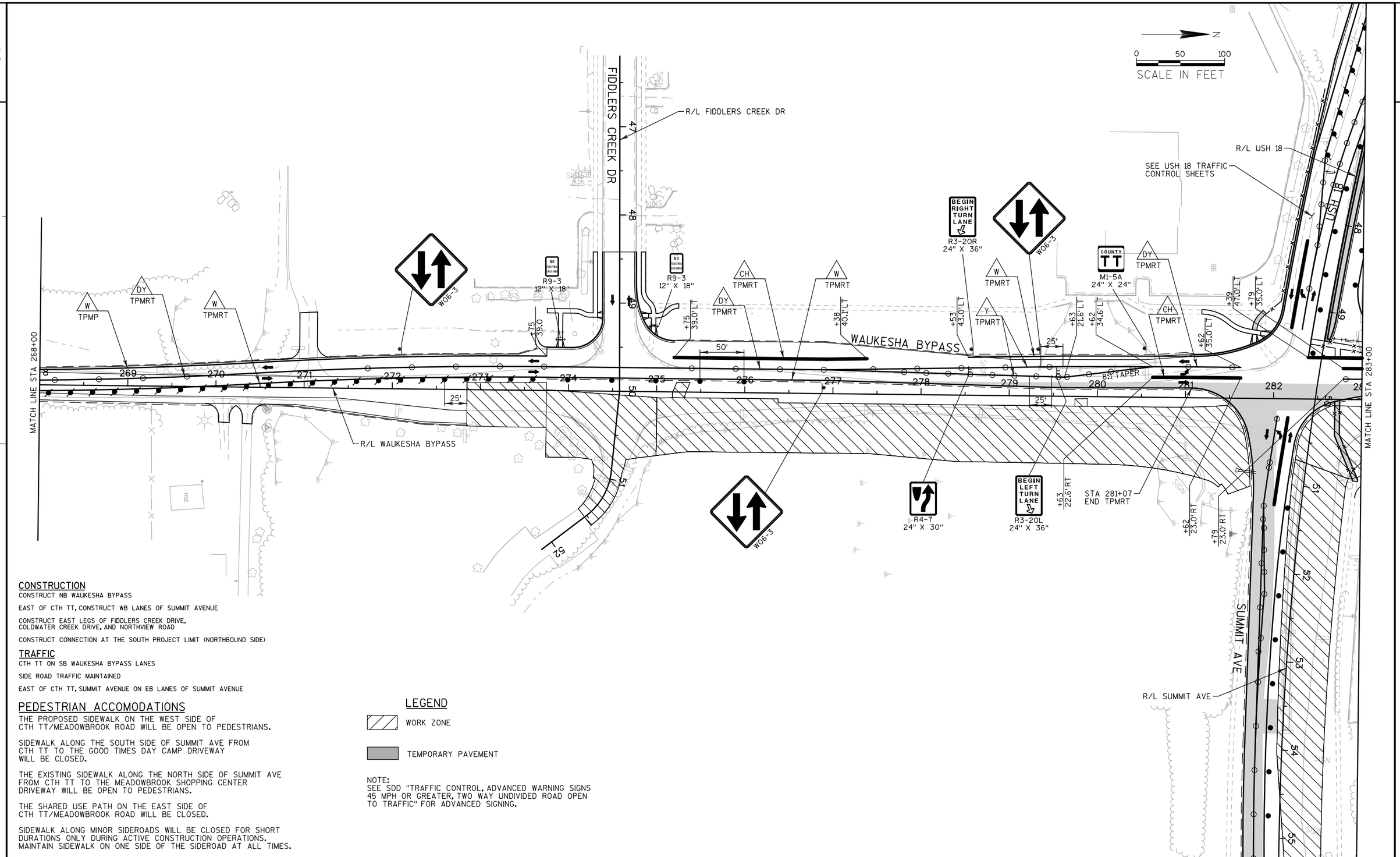
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

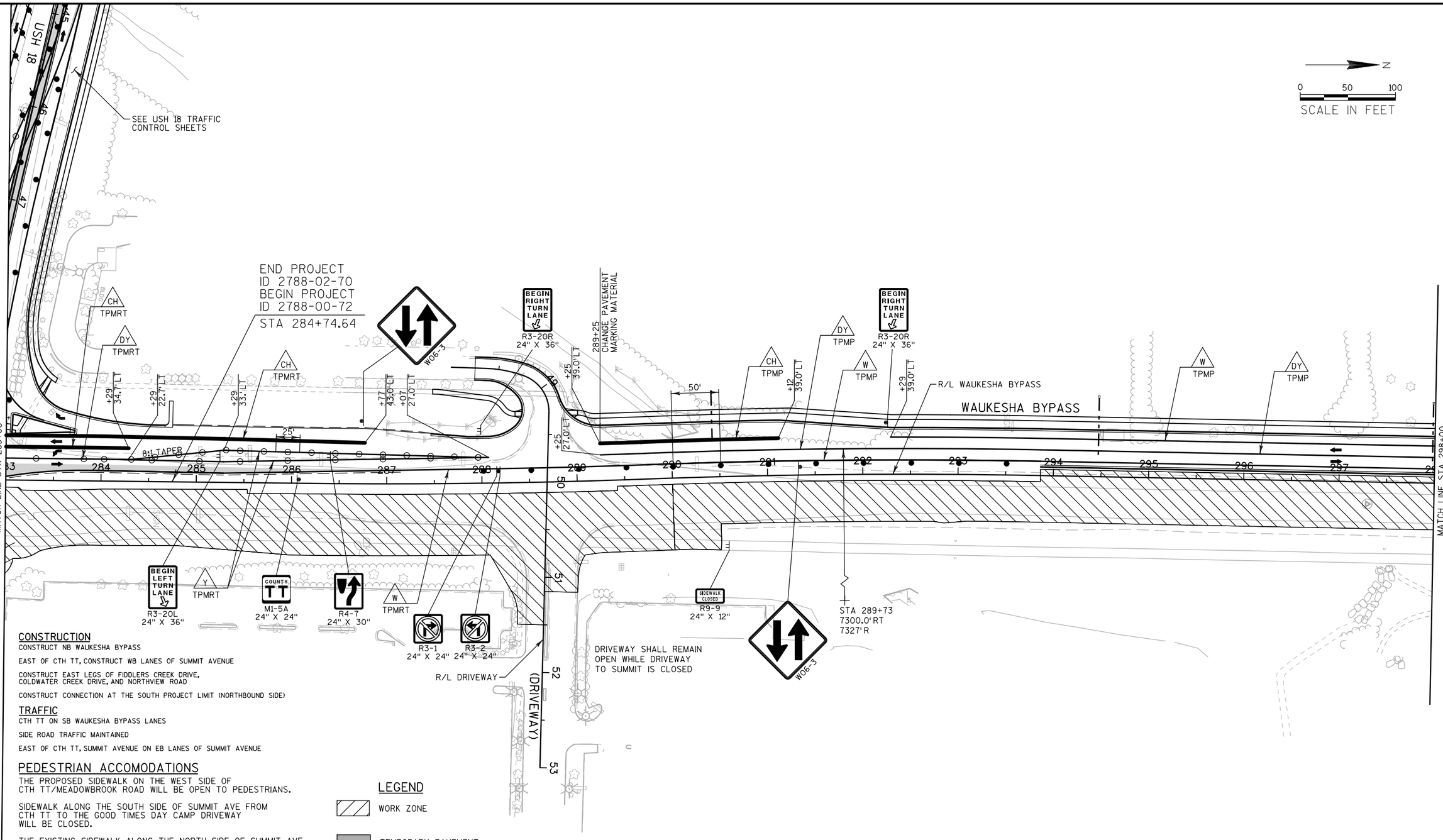
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

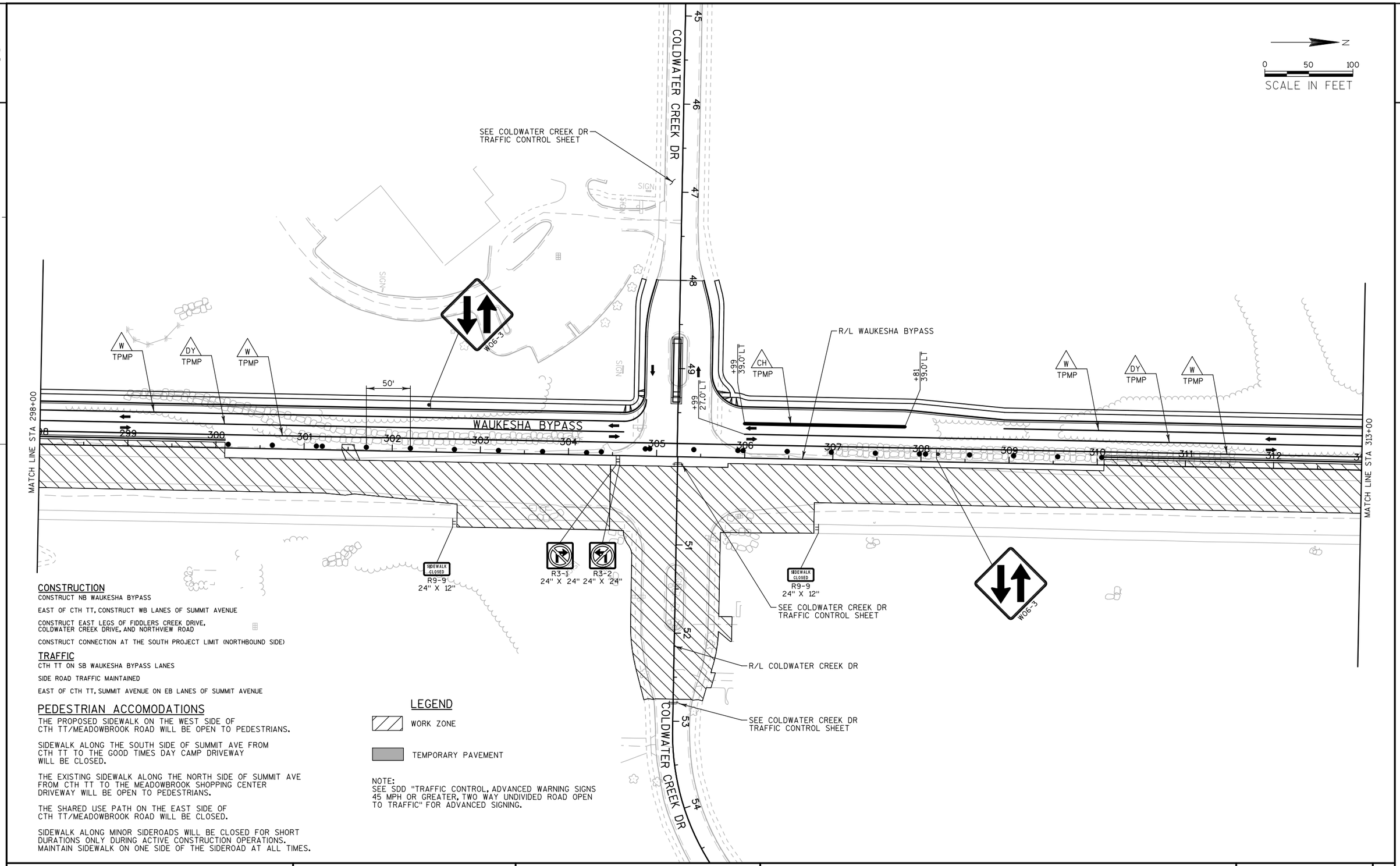
WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E

2



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

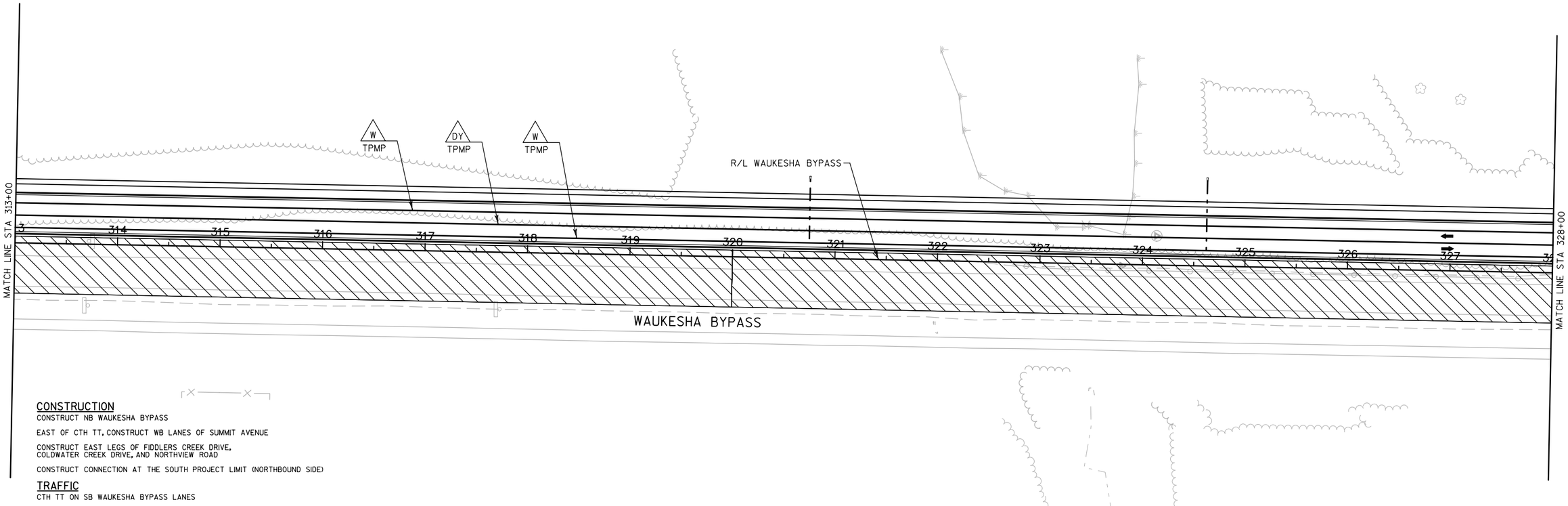
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E

2

N

0 50 100

SCALE IN FEET



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE,
COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF
CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM
CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY
WILL BE CLOSED.

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FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER
DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF
CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT
DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS.
MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

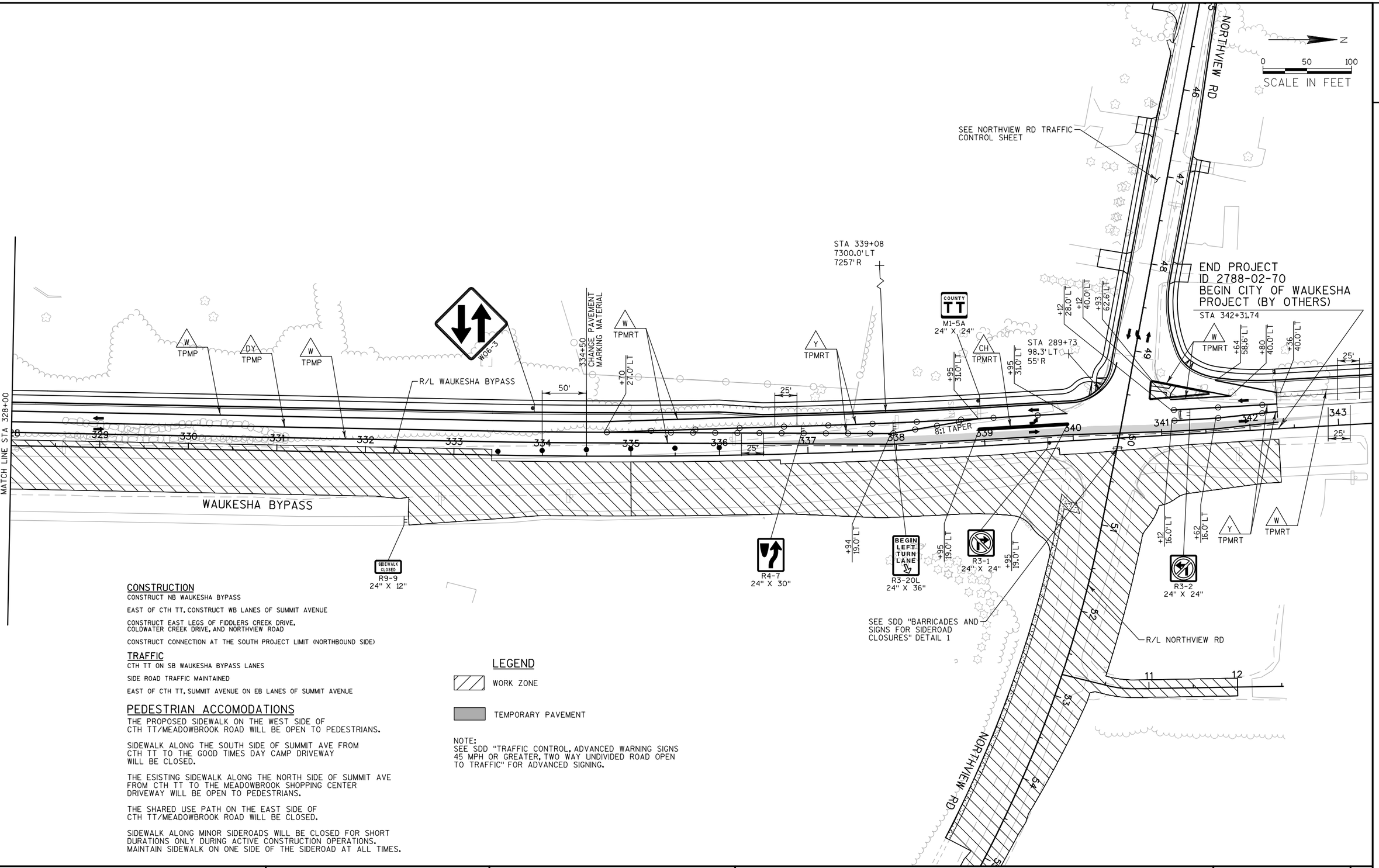
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS
45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN
TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E



CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

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THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3A	SHEET	E

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

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LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

N

0 50 100
SCALE IN FEET

USH 18

R/L USH 18

TORHORST RD

R/L TORHORST RD

TPMRT

MATCH LINE STA 44+00

R/L TURNBERRY OAK DR

TURNBERRY OAK DR

INSTALL TEMPORARY PEDESTRIAN STEEL BARRICADES

W011-2

W016-7L

STA 48+62
985.0' LT
1012' R

SEE WAUKESHA BYPASS TRAFFIC CONTROL SHEETS

STA 48+62
87.0' LT
60' R

STA 44+17
971.7' RT
988' R

8:1 TAPER

STA 49+07
101.0' RT
50' R

MAINTAIN TEMPORARY PEDESTRAIN SURFACE ASPHALT AND SAFETY FENCE CONSTRUCTED PREVIOUSLY

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

R4-7
24" X 30"

STA 48+07
171.2' RT
175' R

STA 281+07
BEGIN TPMRT

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

CONSTRUCT AND PROVIDE TEMPORARY PEDESTRIAN SURFACE ASPHALT, SAFETY FENCE AND TEMPORARY CURB RAMP

SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24" X 12"

W016-9P

STA 282+69
BEGIN TPMP
STA 50+56
43.5' LT, 60' R

TPMP

MAINTAIN EXISTING SIDEWALK

STA 50+71
132.1' RT
66' R

STA 51+40
354.1' LT
300' R

CONCRETE PAVEMENT GAP REQ'D

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

W006-3

STA 54+89
173.6' LT
500' R

STA 51+28
3346.9' LT
3378' R

CONSTRUCT TEMPORARY CURB RAMP

R3-1
24" X 24"

SUMMIT AVE

R/L SUMMIT AVE

R3-2
24" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
24" X 12"

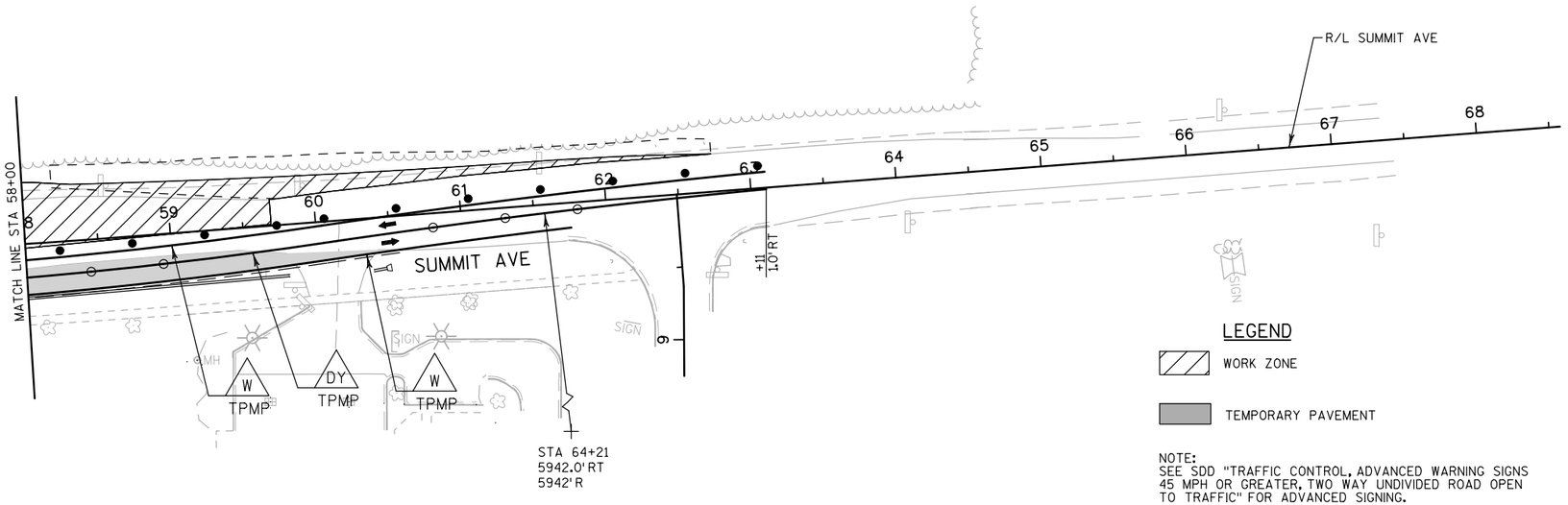
MATCH LINE STA 58+00

MAINTAIN TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY CURB RAMP CONSTRUCTED PREVIOUSLY

CONSTRUCT TEMPORARY PEDESTRIAN SURFACE ASPHALT AND SAFETY FENCE THROUGH WORK ZONE

DRIVEWAY SHALL REMAIN OPEN WHILE DRIVEWAY TO BYPASS IS CLOSED.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 3A	SHEET	E



LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

STATION AND OFFSET OF TEMPORARY PAVEMENT ALONG SUMMIT AVE ARE SHOWN ON STAGE 3B.

N

0 50 100

SCALE IN FEET

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

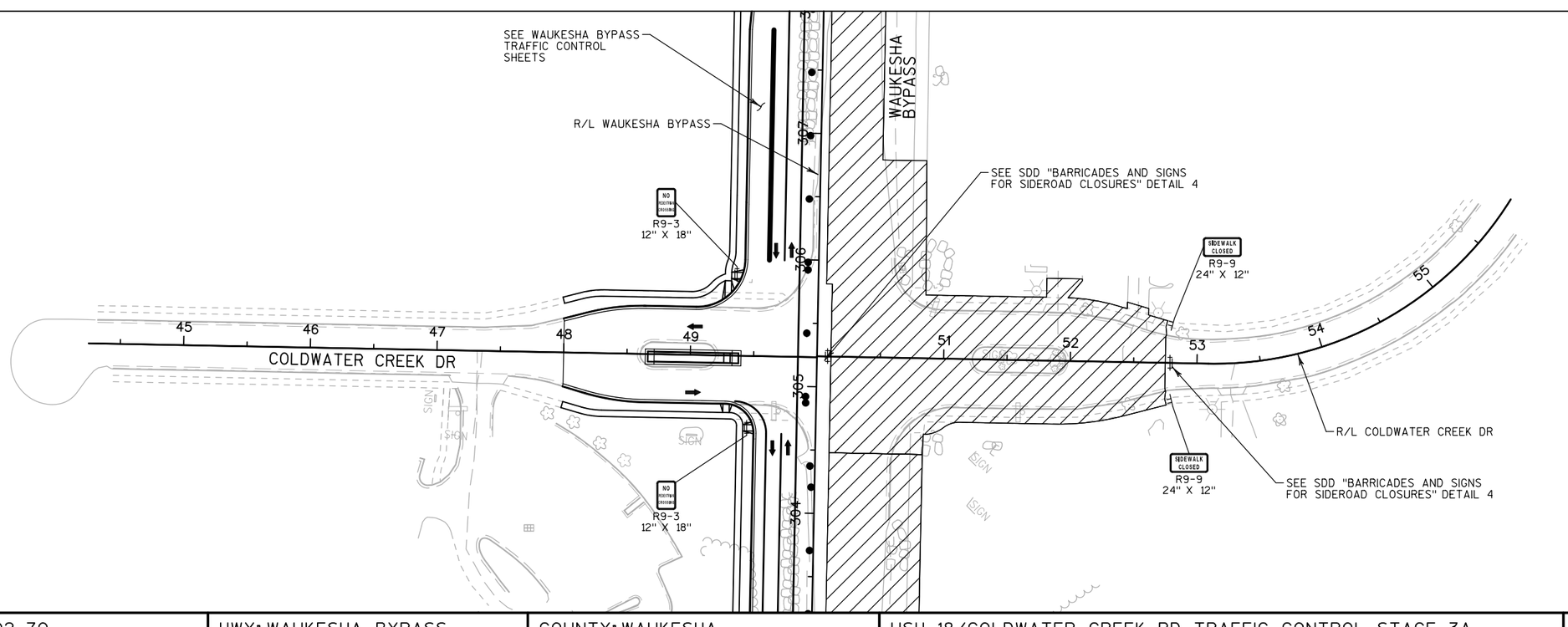
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SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.



N

0 50 100

SCALE IN FEET

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 3A	SHEET	E

CONSTRUCTION

CONSTRUCT NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT WB LANES OF SUMMIT AVENUE

CONSTRUCT EAST LEGS OF FIDDLERS CREEK DRIVE,
COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONSTRUCT CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON EB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF
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SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM
CTH TT TO THE GOOD TIMES DAY CAMP DRIVEWAY
WILL BE CLOSED.

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FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER
DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF
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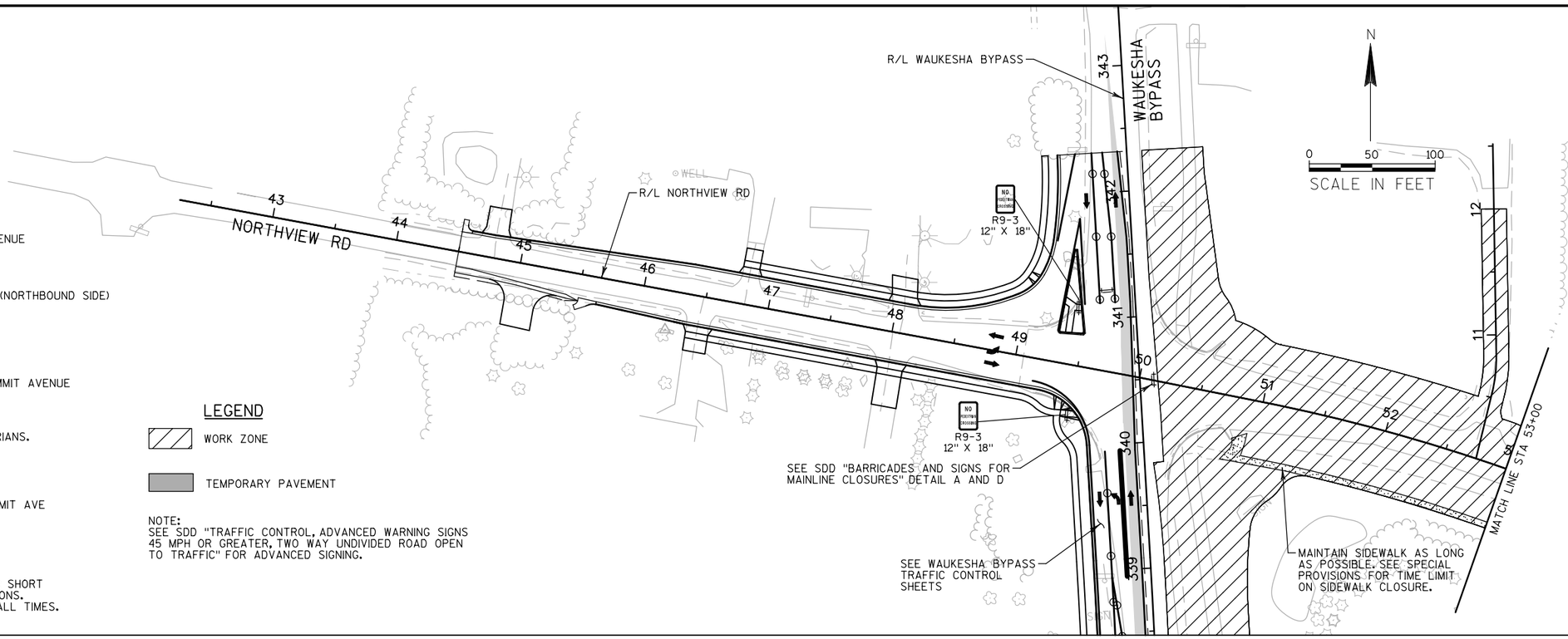
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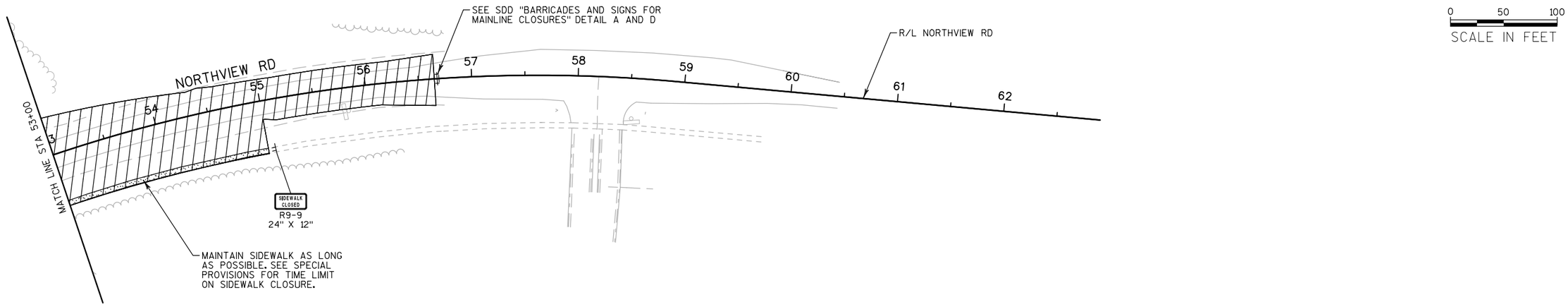
LEGEND

WORK ZONE

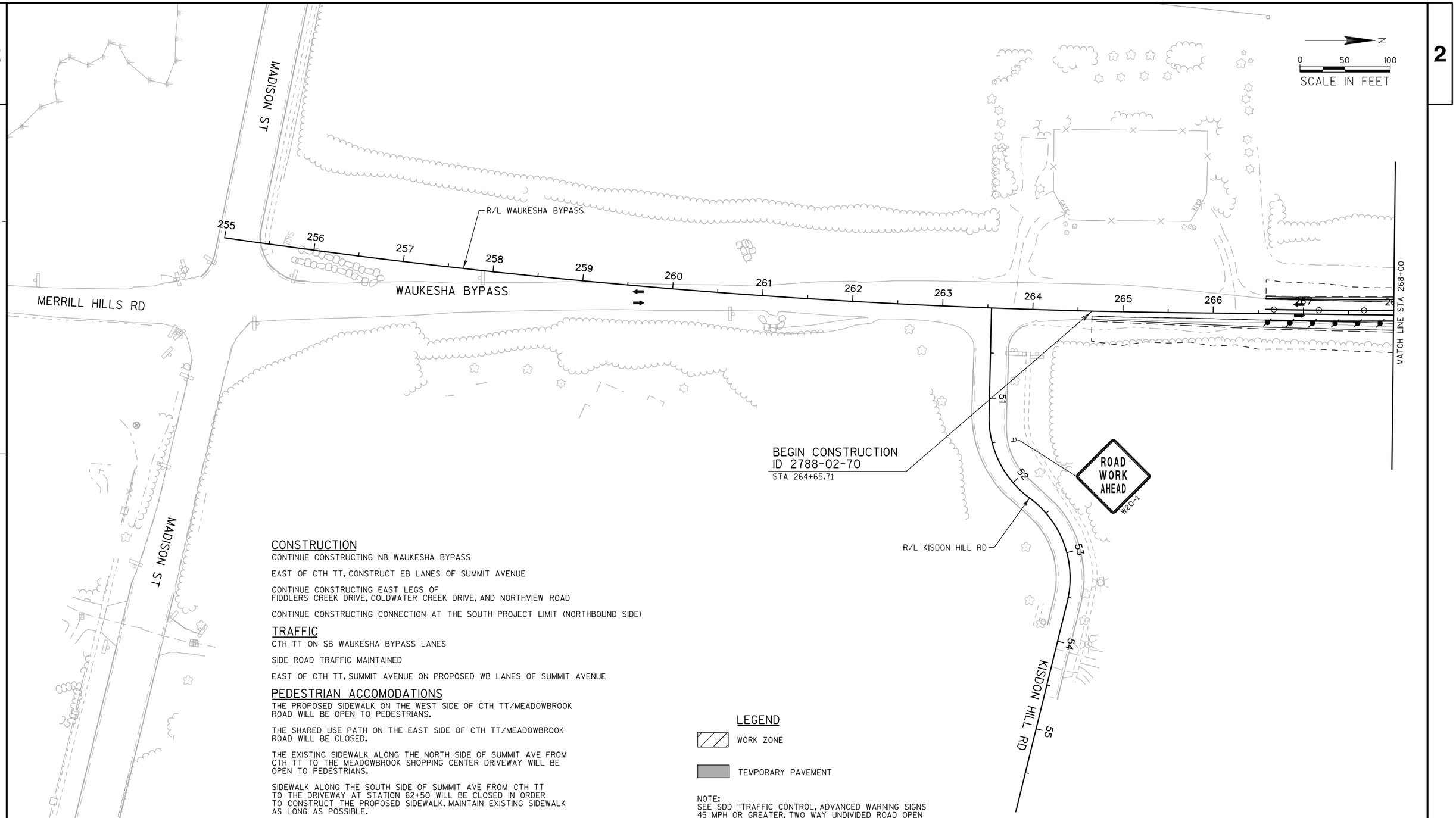
TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS
45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN
TO TRAFFIC" FOR ADVANCED SIGNING.





PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 3A	SHEET	E



CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE DRIVEWAY AT STATION 62+50 WILL BE CLOSED IN ORDER TO CONSTRUCT THE PROPOSED SIDEWALK. MAINTAIN EXISTING SIDEWALK AS LONG AS POSSIBLE.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

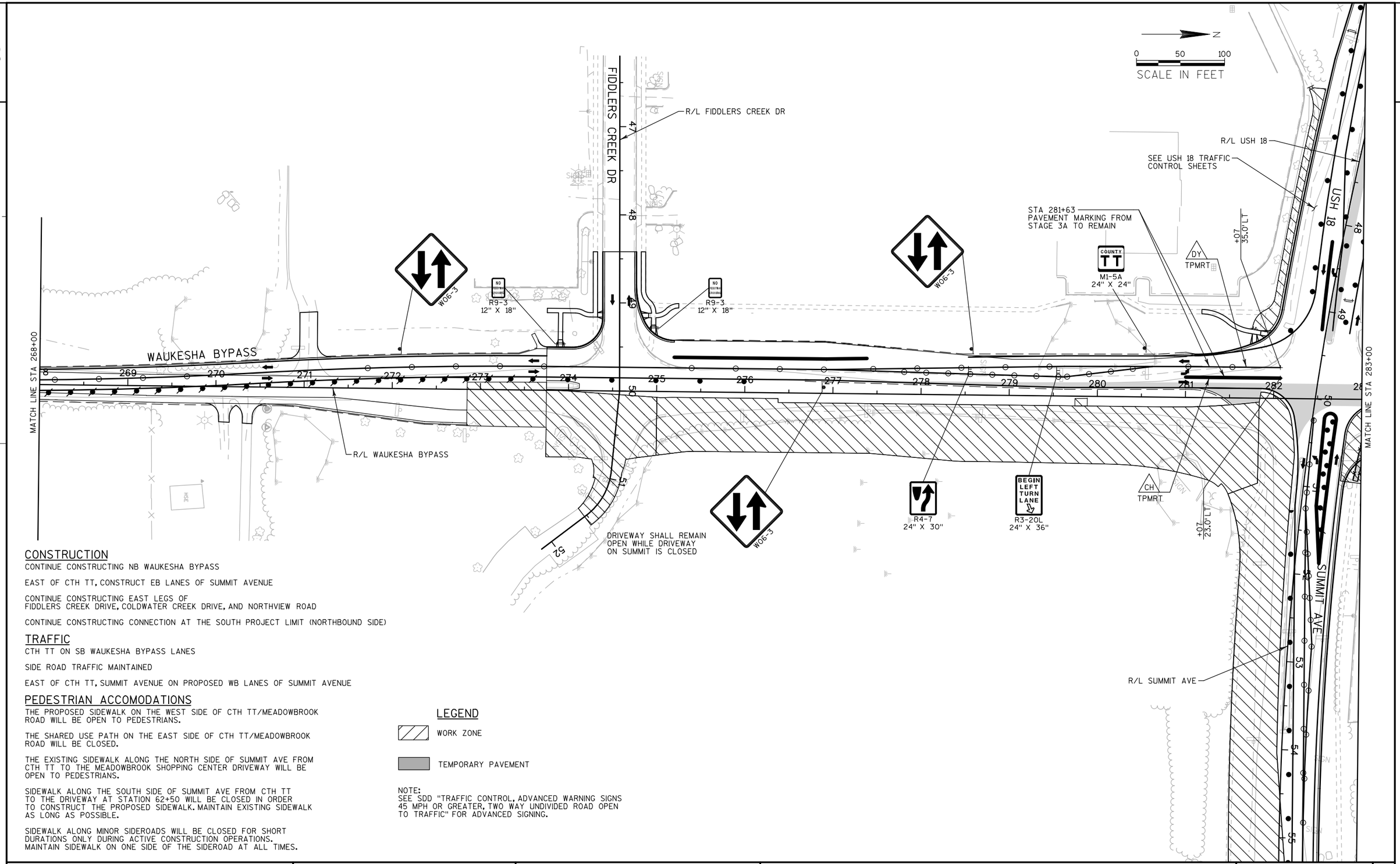
LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E



CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

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SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

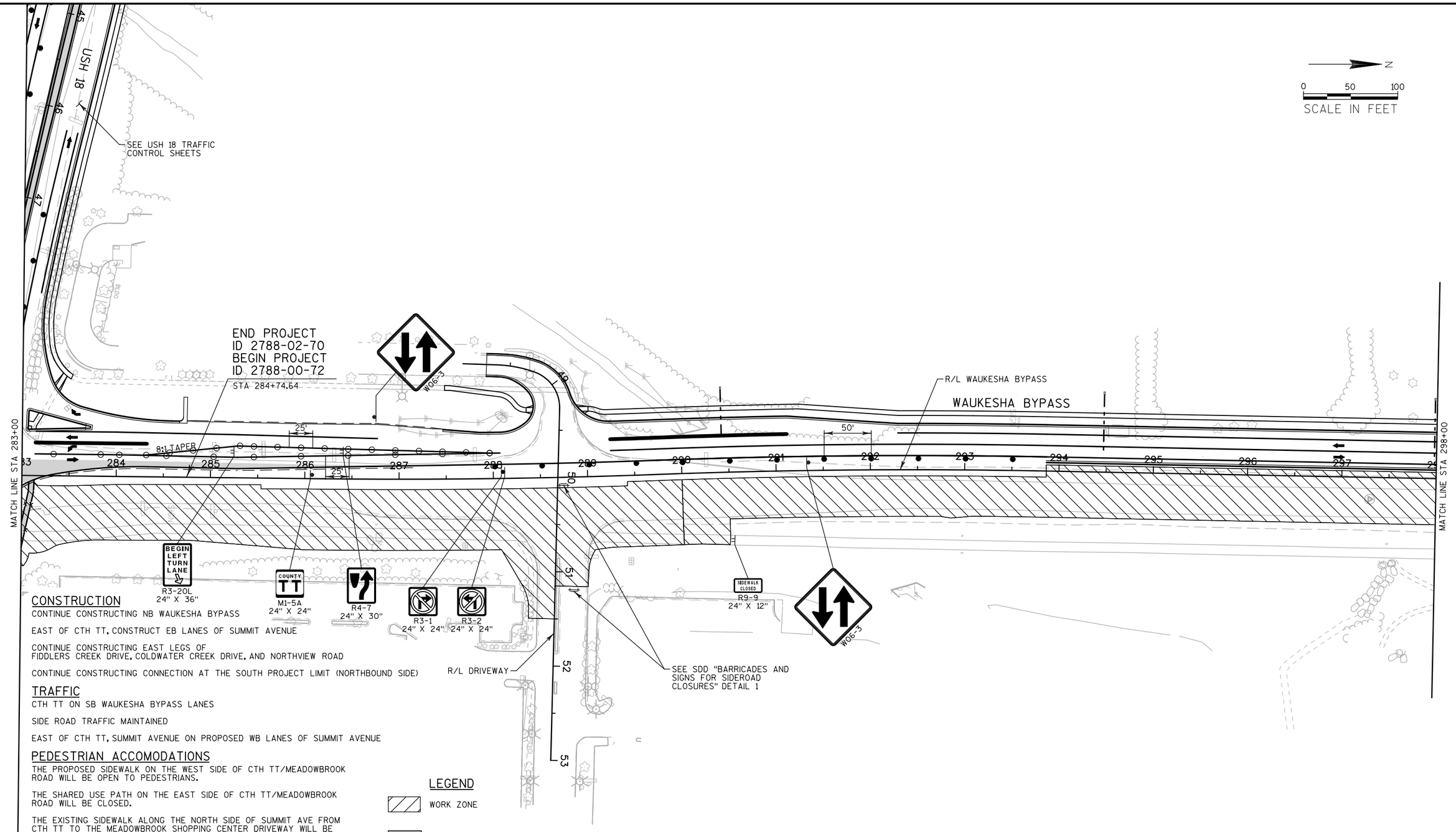
WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E

2



CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

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SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E

2

N

0 50 100

SCALE IN FEET

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

COLDWATER CREEK DR

45 46 47 48 49 51 52 53 54

SIGN

W06-3

50'

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

MATCH LINE STA 298+00

MATCH LINE STA 313+00

299 300 301 302 303 304 305 306 307 308 309 310 311 312

SIDEWALK CLOSED
R9-9
24" X 12"

R3-1
24" X 24"

R3-2
24" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

W06-3

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

R/L COLDWATER CREEK DR

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE DRIVEWAY AT STATION 62+50 WILL BE CLOSED IN ORDER TO CONSTRUCT THE PROPOSED SIDEWALK. MAINTAIN EXISTING SIDEWALK AS LONG AS POSSIBLE.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

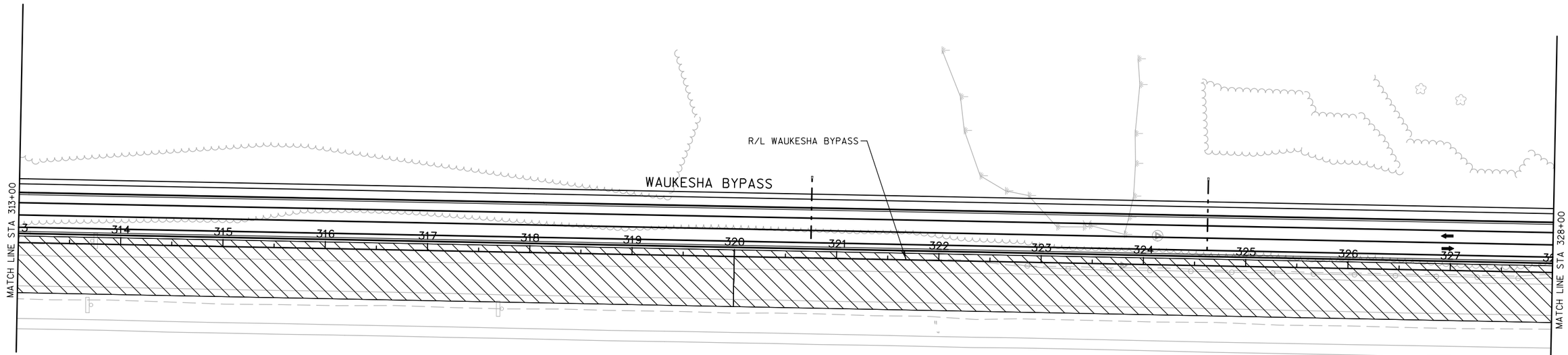
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E

2

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0 50 100

SCALE IN FEET



CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

THE SHARED USE PATH ON THE EAST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE CLOSED.

THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO THE MEADOWBROOK SHOPPING CENTER DRIVEWAY WILL BE OPEN TO PEDESTRIANS.

SIDEWALK ALONG THE SOUTH SIDE OF SUMMIT AVE FROM CTH TT TO THE DRIVEWAY AT STATION 62+50 WILL BE CLOSED IN ORDER TO CONSTRUCT THE PROPOSED SIDEWALK. MAINTAIN EXISTING SIDEWALK AS LONG AS POSSIBLE.

SIDEWALK ALONG MINOR SIDEROADS WILL BE CLOSED FOR SHORT DURATIONS ONLY DURING ACTIVE CONSTRUCTION OPERATIONS. MAINTAIN SIDEWALK ON ONE SIDE OF THE SIDEROAD AT ALL TIMES.

LEGEND

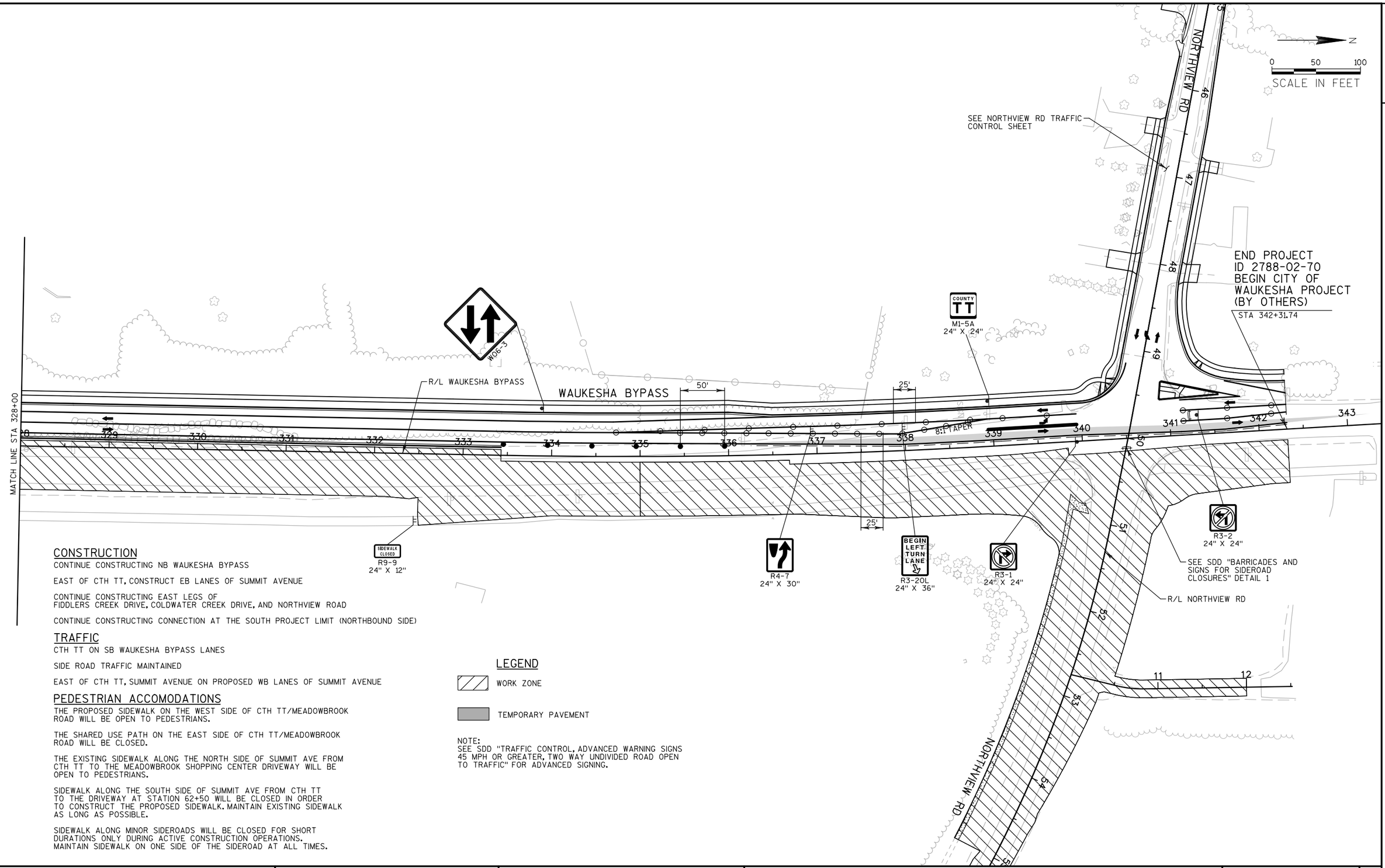
WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E

2



CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

THE PROPOSED SIDEWALK ON THE WEST SIDE OF CTH TT/MEADOWBROOK ROAD WILL BE OPEN TO PEDESTRIANS.

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LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 3B	SHEET	E

CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

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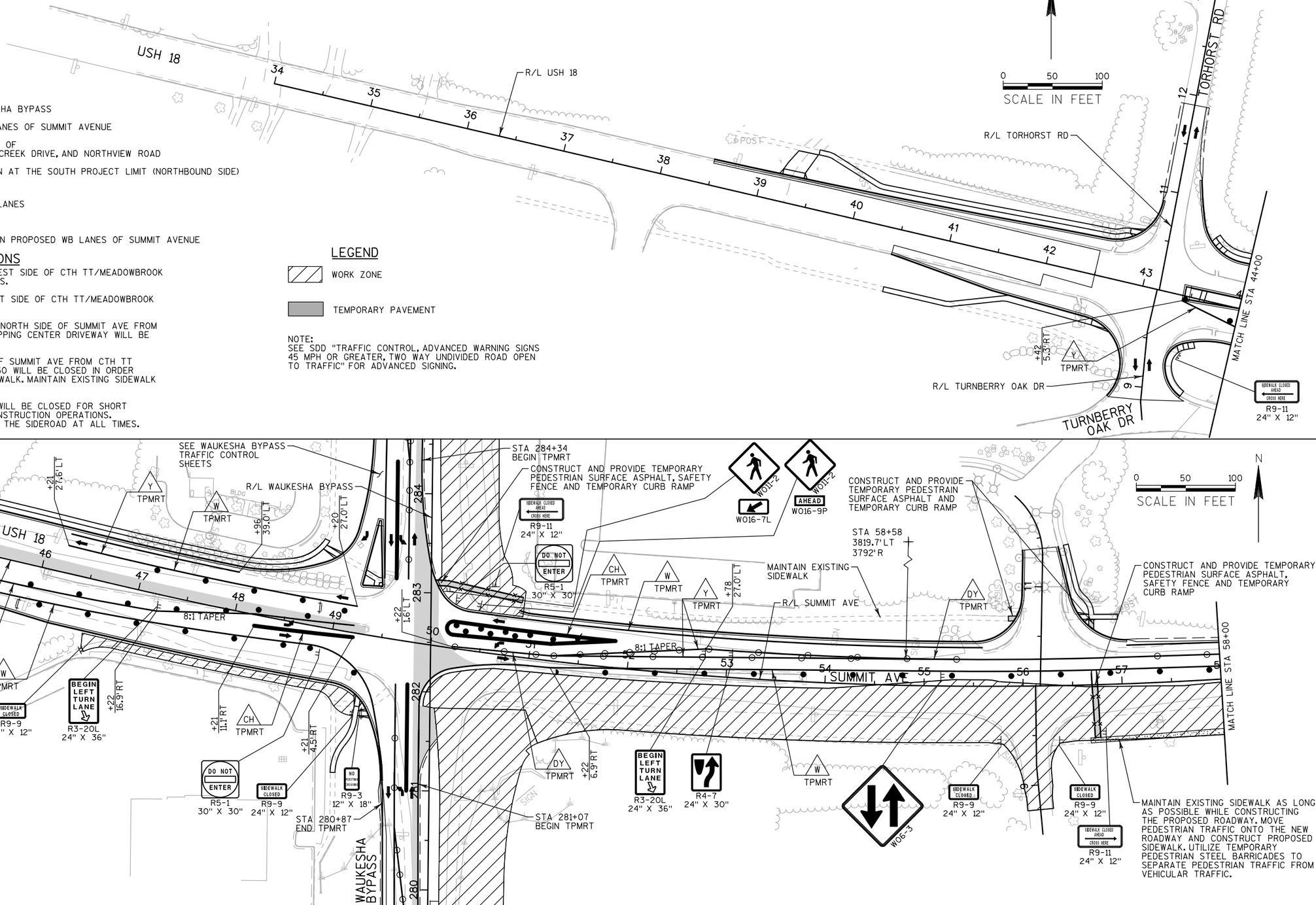
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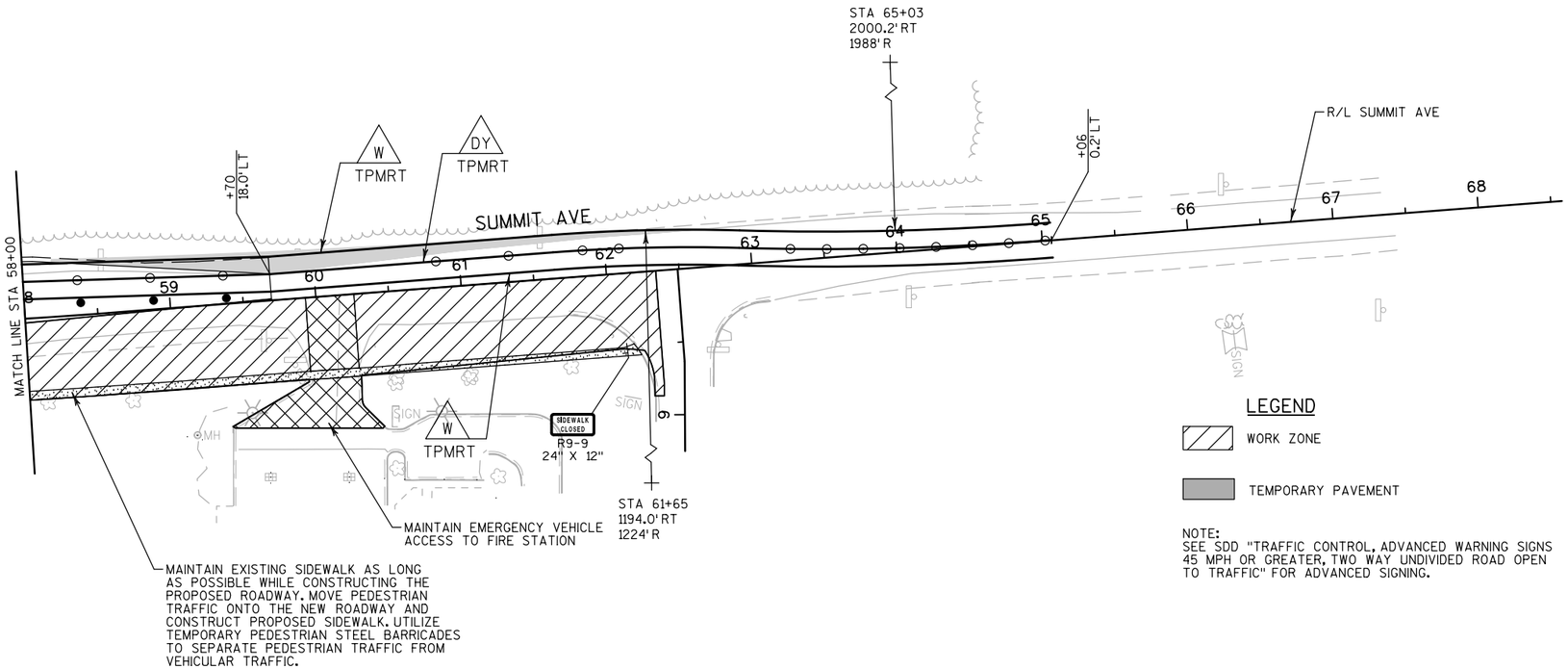
WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 3B	SHEET	E



LEGEND

WORK ZONE

TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

N

0 50 100

SCALE IN FEET

CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

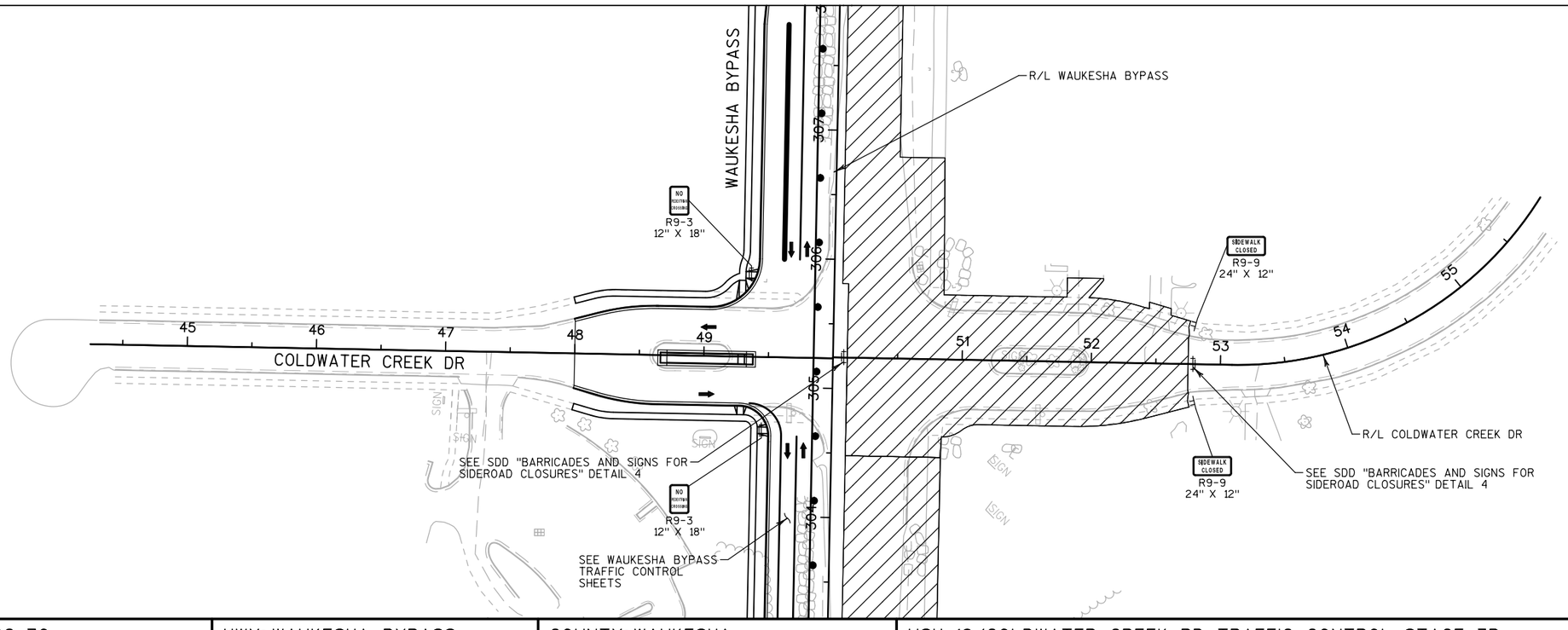
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N

0 50 100

SCALE IN FEET

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 3B	SHEET	E

CONSTRUCTION

CONTINUE CONSTRUCTING NB WAUKESHA BYPASS

EAST OF CTH TT, CONSTRUCT EB LANES OF SUMMIT AVENUE

CONTINUE CONSTRUCTING EAST LEGS OF
FIDDLERS CREEK DRIVE, COLDWATER CREEK DRIVE, AND NORTHVIEW ROAD

CONTINUE CONSTRUCTING CONNECTION AT THE SOUTH PROJECT LIMIT (NORTHBOUND SIDE)

TRAFFIC

CTH TT ON SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

EAST OF CTH TT, SUMMIT AVENUE ON PROPOSED WB LANES OF SUMMIT AVENUE

PEDESTRIAN ACCOMODATIONS

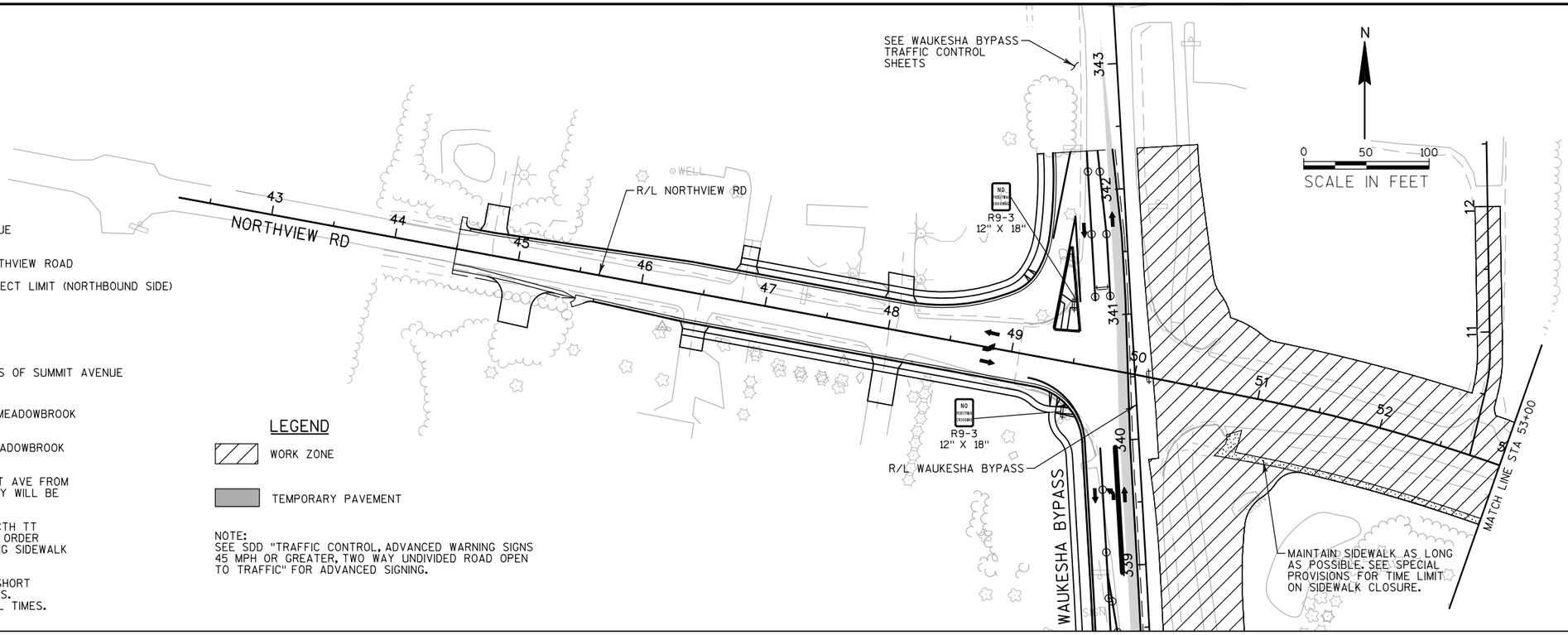
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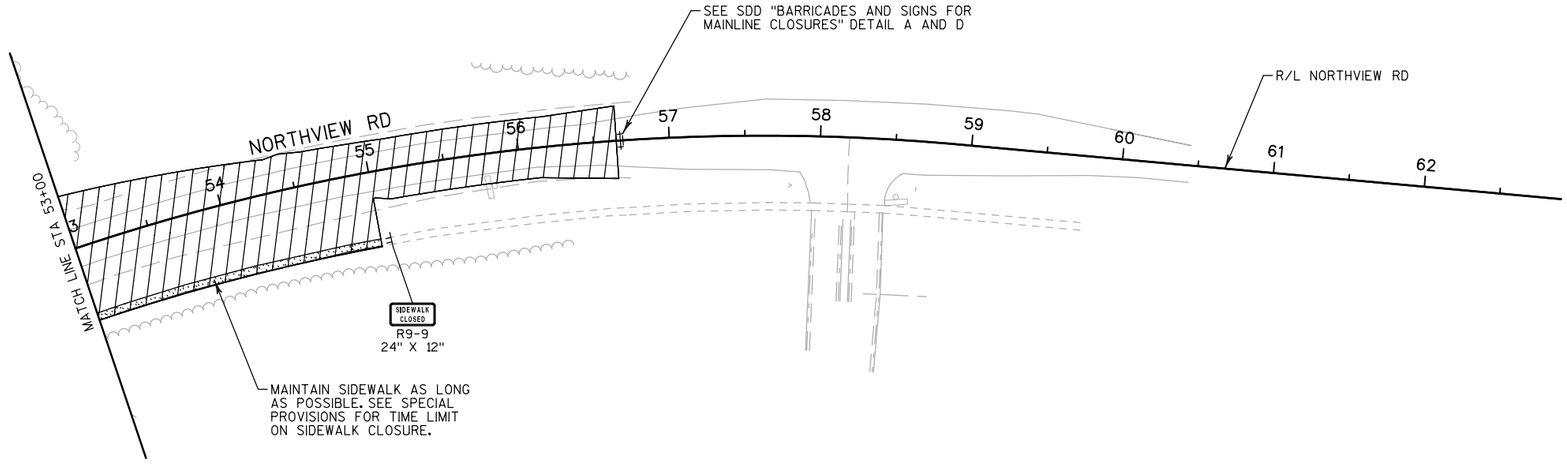


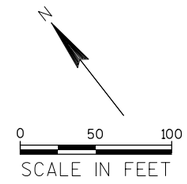
LEGEND

WORK ZONE

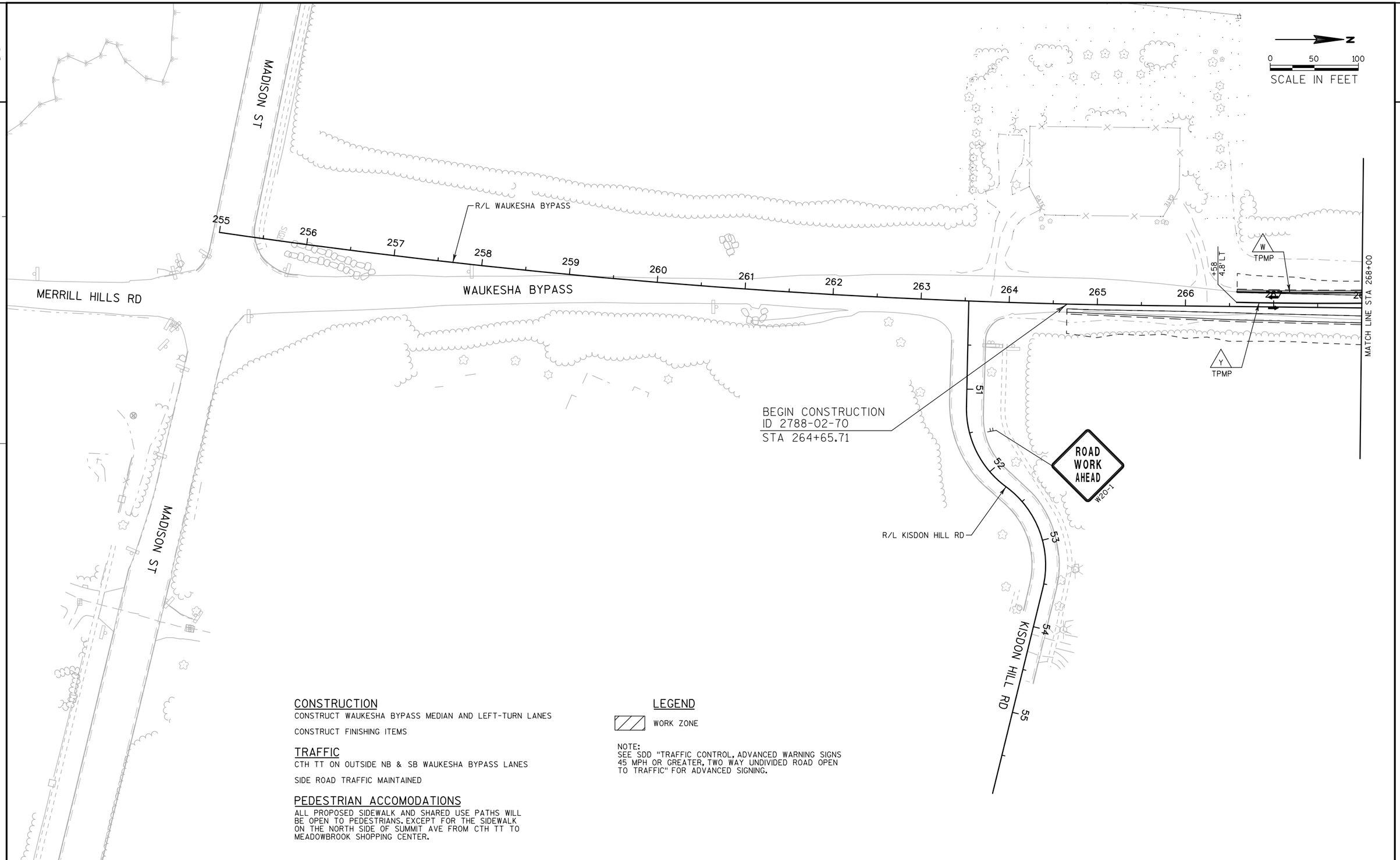
TEMPORARY PAVEMENT

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.





PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 3B	SHEET	E



CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

ALL PROPOSED SIDEWALK AND SHARED USE PATHS WILL BE OPEN TO PEDESTRIANS. EXCEPT FOR THE SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO MEADOWBROOK SHOPPING CENTER.

LEGEND

WORK ZONE

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E

CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

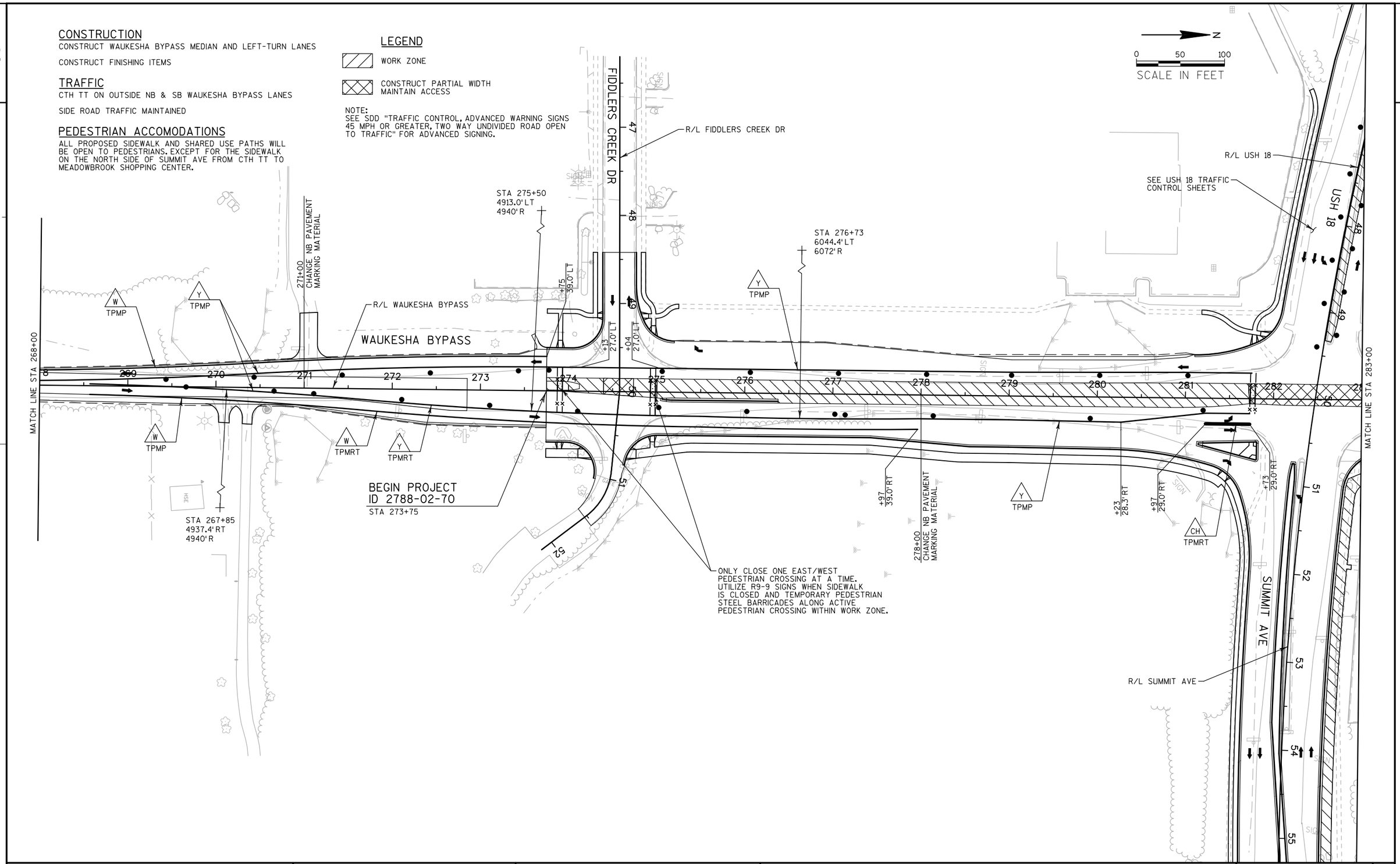
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LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH
MAINTAIN ACCESS

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E

CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

ALL PROPOSED SIDEWALK AND SHARED USE PATHS WILL BE OPEN TO PEDESTRIANS. EXCEPT FOR THE SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO MEADOWBROOK SHOPPING CENTER.

LEGEND

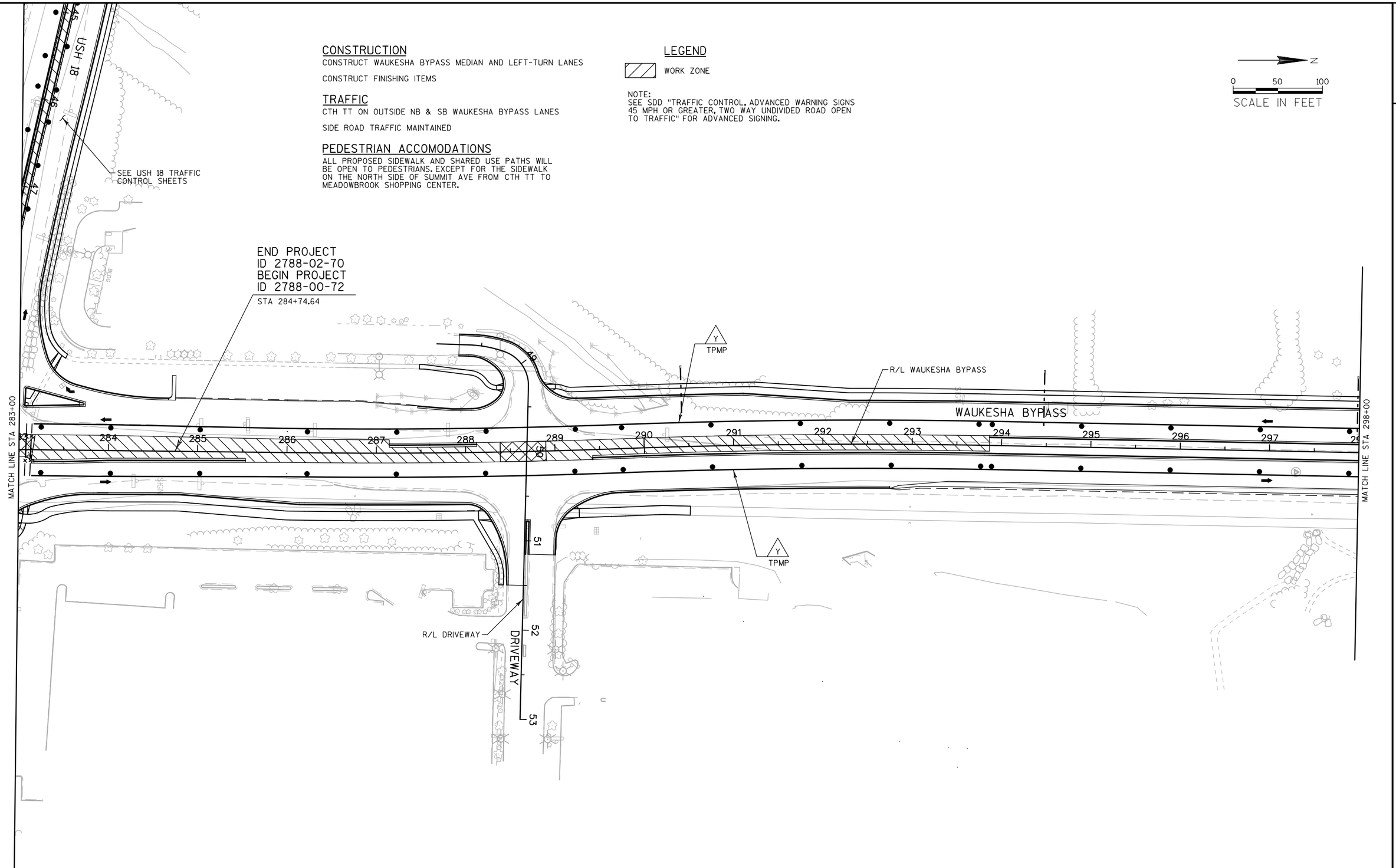
WORK ZONE

NOTE:
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N

0 50 100

SCALE IN FEET



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E

2

N

0 50 100

SCALE IN FEET

SEE COLDWATER CREEK DR TRAFFIC CONTROL SHEET

COLDWATER CREEK DR

45 46 47 48 49

SIGN

TPMP

R/L WAUKESHA BYPASS

WAUKESHA BYPASS

MATCH LINE STA 298+00

299 300 301 302 303 304 305 306 307 308 309 310 311 312

MATCH LINE STA 313+00

TPMP

51 52

R/L COLDWATER CREEK DR

COLDWATER CREEK DR

53 54

CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

ALL PROPOSED SIDEWALK AND SHARED USE PATHS WILL BE OPEN TO PEDESTRIANS. EXCEPT FOR THE SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO MEADOWBROOK SHOPPING CENTER.

LEGEND

WORK ZONE

NOTE:
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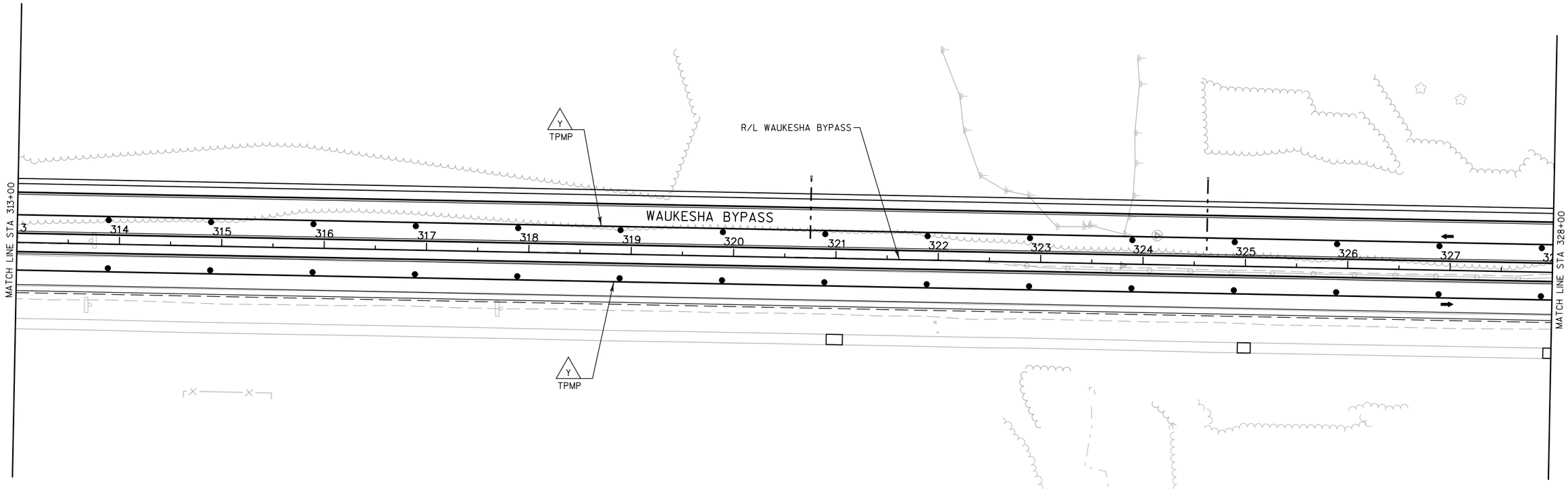
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E

2

N

0 50 100

SCALE IN FEET



CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

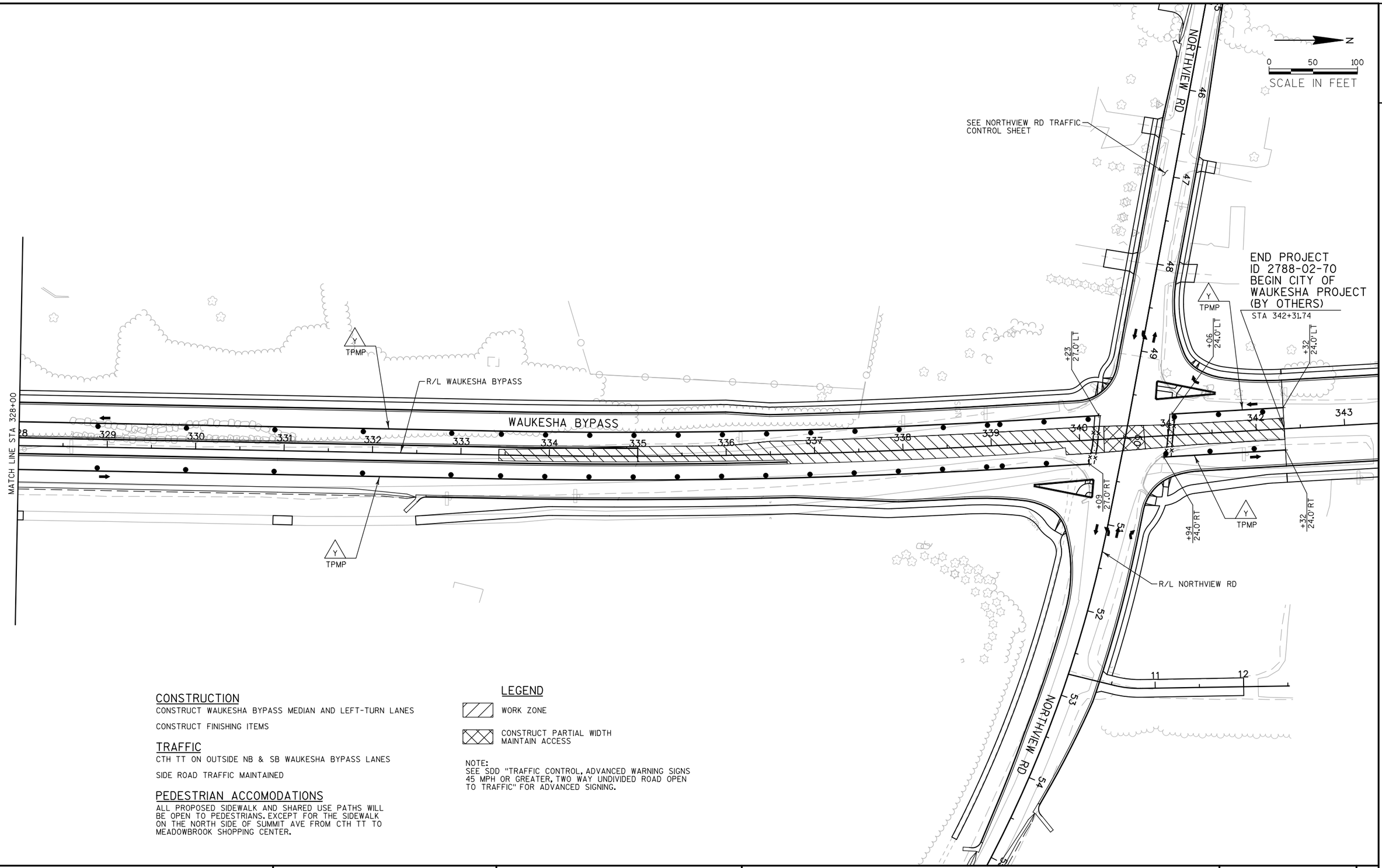
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LEGEND

WORK ZONE

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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E



CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

ALL PROPOSED SIDEWALK AND SHARED USE PATHS WILL BE OPEN TO PEDESTRIANS. EXCEPT FOR THE SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO MEADOWBROOK SHOPPING CENTER.

LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS TRAFFIC CONTROL STAGE 4	SHEET	E

2

2

CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

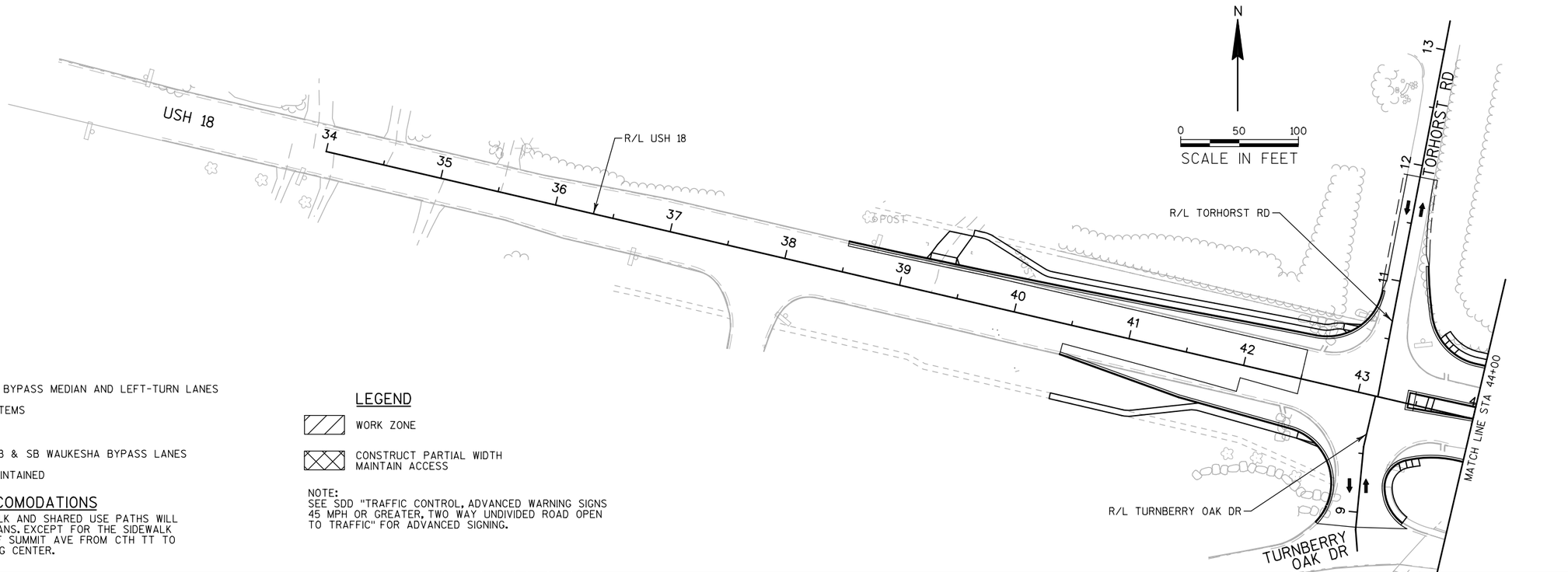
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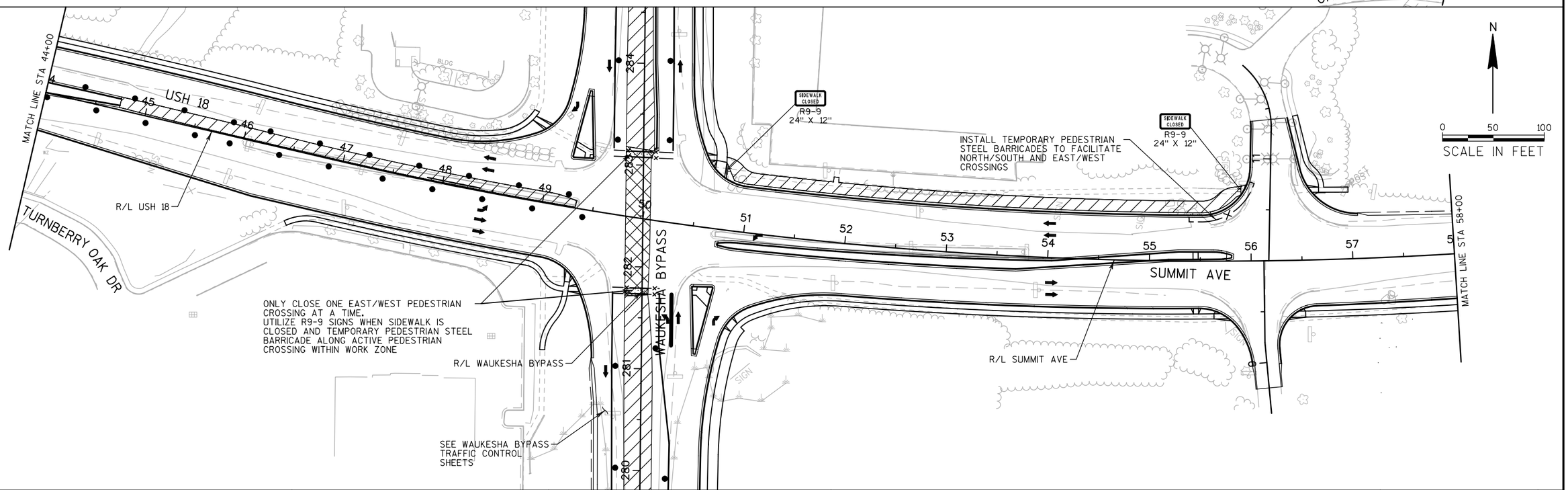
LEGEND

WORK ZONE

CONSTRUCT PARTIAL WIDTH
MAINTAIN ACCESS

NOTE:
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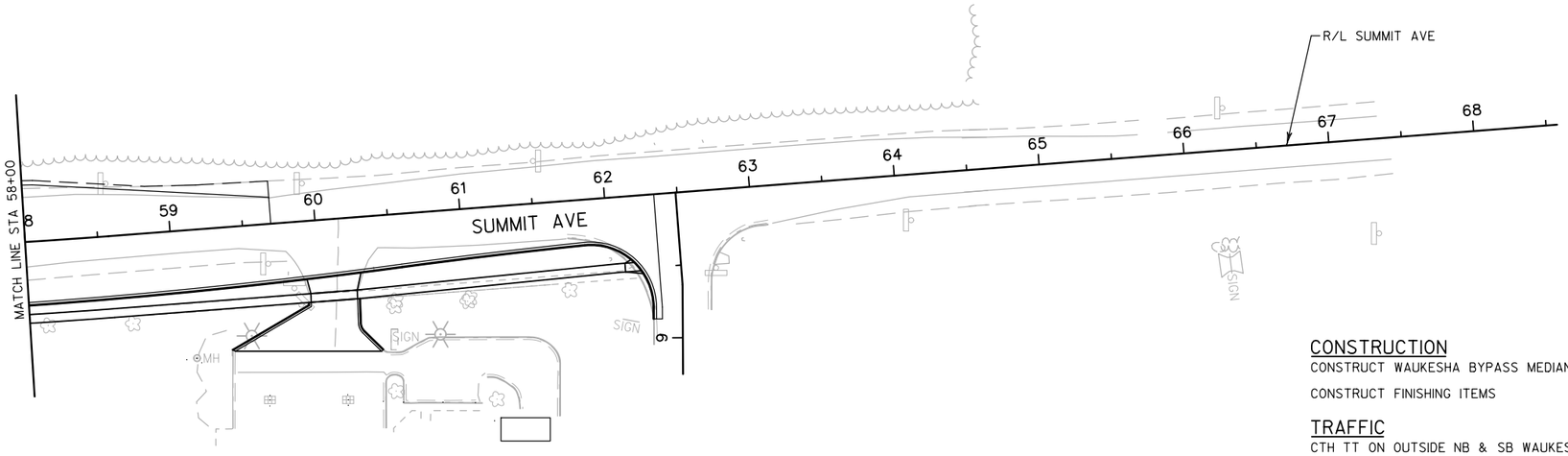


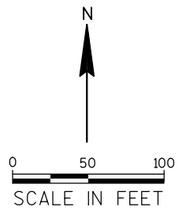
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18 TRAFFIC CONTROL STAGE 4	SHEET	E

FILE NAME : FD_026265_S4.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2





CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

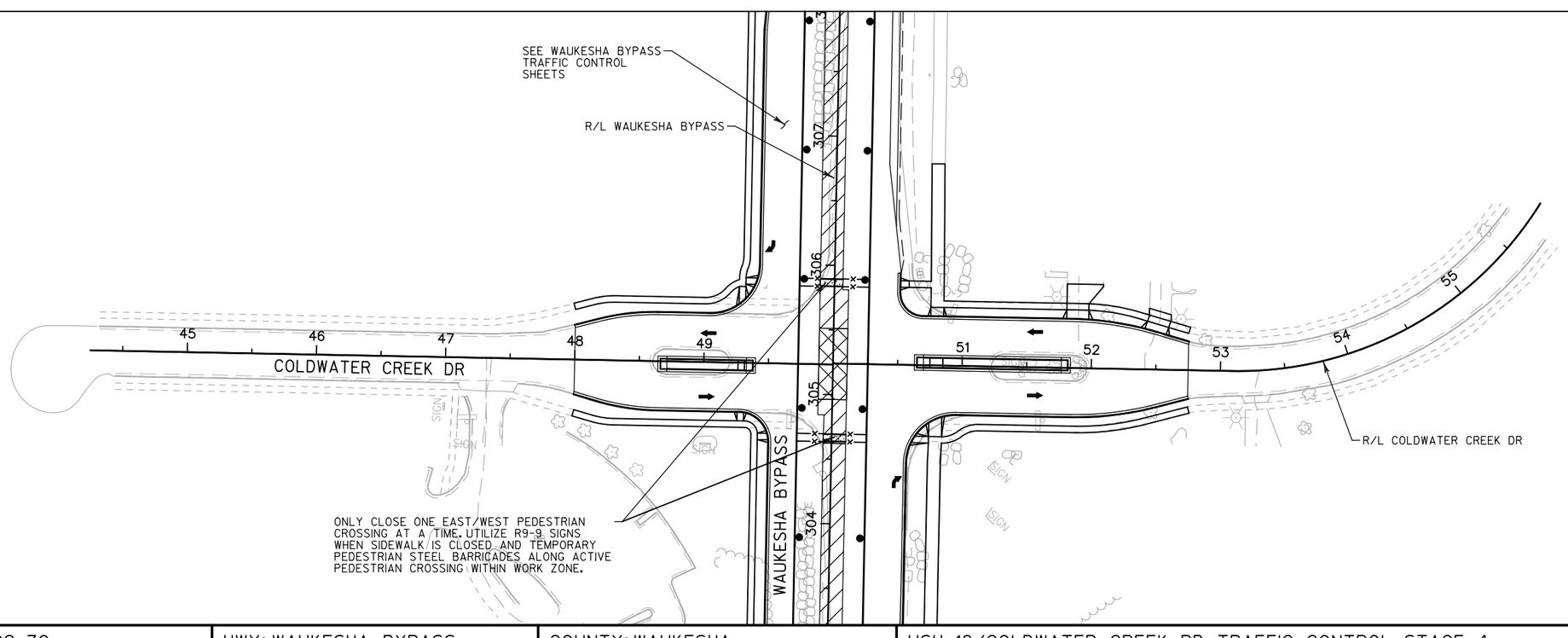
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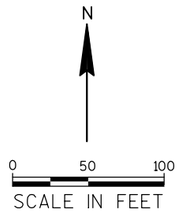
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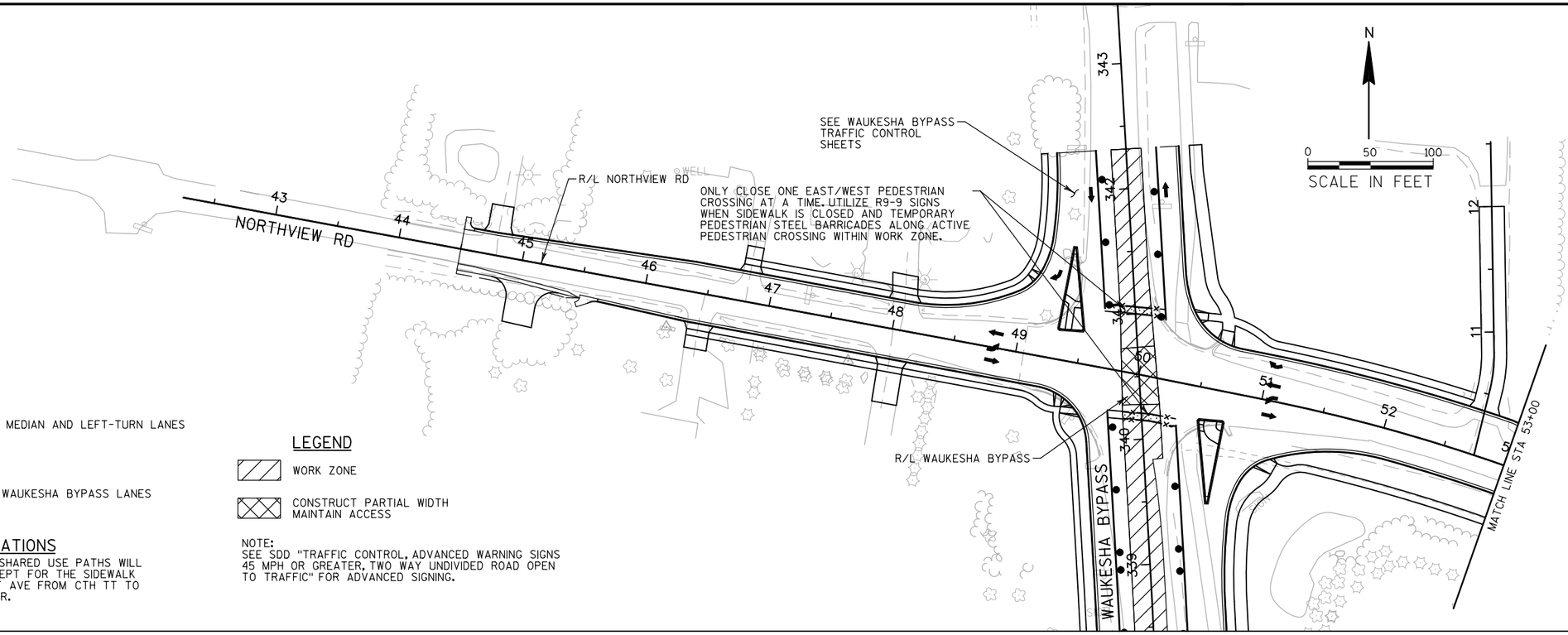
WORK ZONE

NOTE:
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	USH 18/COLDWATER CREEK RD TRAFFIC CONTROL STAGE 4	SHEET	E



CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS MEDIAN AND LEFT-TURN LANES

CONSTRUCT FINISHING ITEMS

TRAFFIC

CTH TT ON OUTSIDE NB & SB WAUKESHA BYPASS LANES

SIDE ROAD TRAFFIC MAINTAINED

PEDESTRIAN ACCOMODATIONS

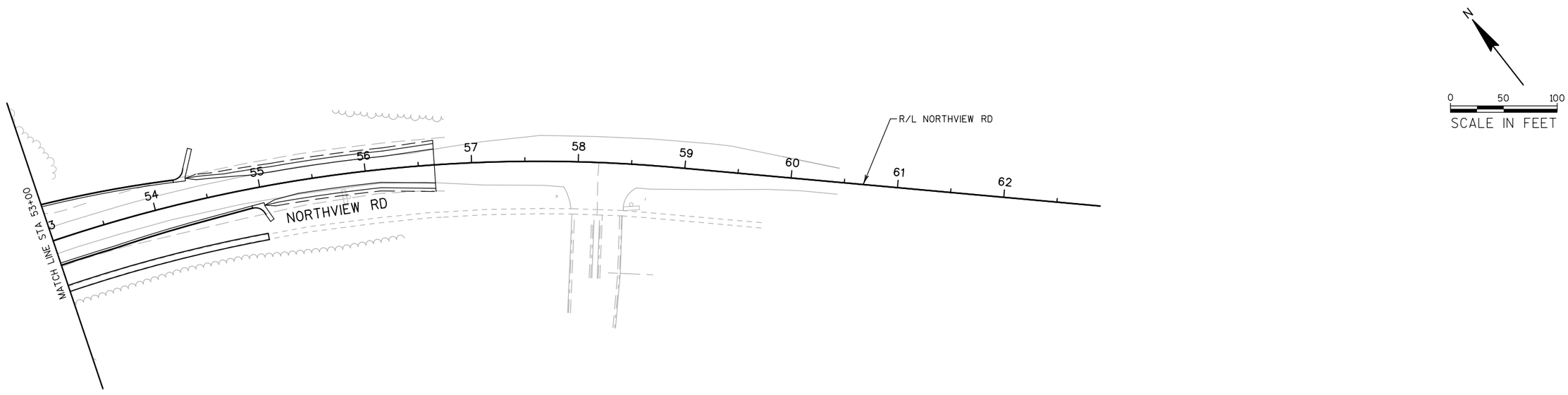
ALL PROPOSED SIDEWALK AND SHARED USE PATHS WILL BE OPEN TO PEDESTRIANS. EXCEPT FOR THE SIDEWALK ON THE NORTH SIDE OF SUMMIT AVE FROM CTH TT TO MEADOWBROOK SHOPPING CENTER.

LEGEND

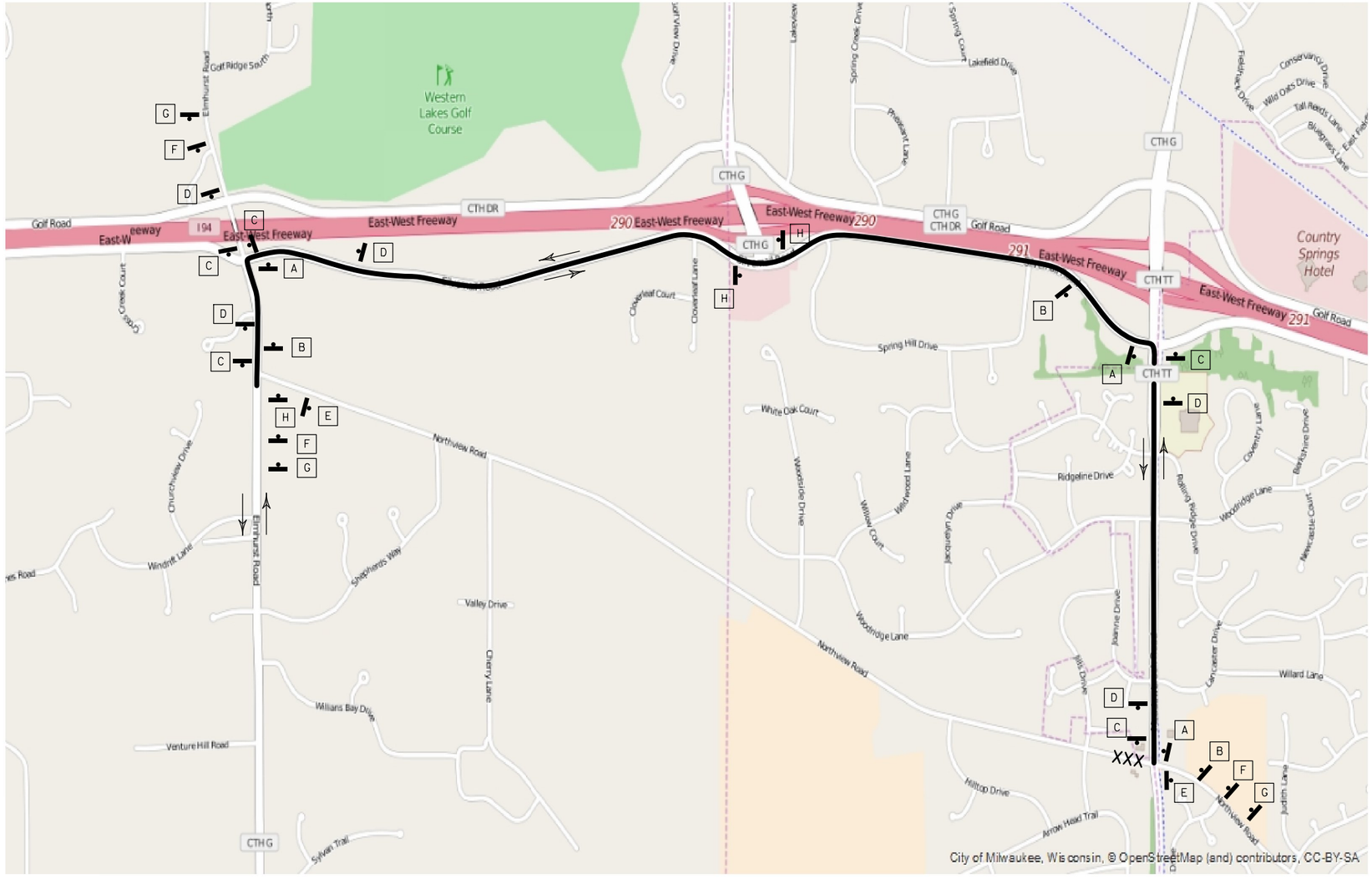
WORK ZONE

CONSTRUCT PARTIAL WIDTH MAINTAIN ACCESS

NOTE:
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCED SIGNING.



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW RD TRAFFIC CONTROL STAGE 4	SHEET	E



A
NORTHVIEW RD
DETOUR
M4-9R

B
NORTHVIEW RD
DETOUR
M4-9R (MOD)

C
NORTHVIEW RD
DETOUR
M4-9L

D
NORTHVIEW RD
DETOUR
M4-9L (MOD)

E
NORTHVIEW RD
END DETOUR
M4-8A

F
DETOUR AHEAD
W20-2

G
NORTHVIEW RD CLOSED AT HWY TT FOLLOW DETOUR

H
NORTHVIEW RD
DETOUR M4-8
M6-1

NOTES:

CONTRACTOR SHALL COVER, AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

SEE TRAFFIC CONTROL SHEETS FOR SPECIFIC STAGING DETAILS.

SEE FIXED MESSAGE SIGN DETAILS FOR SIGN [G] DETAILS, AND "NORTHVIEW RD" SIGN DETAILS.

SEE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" SDD FOR ADDITIONAL DETAILS.

LEGEND

SIGNED DETOUR

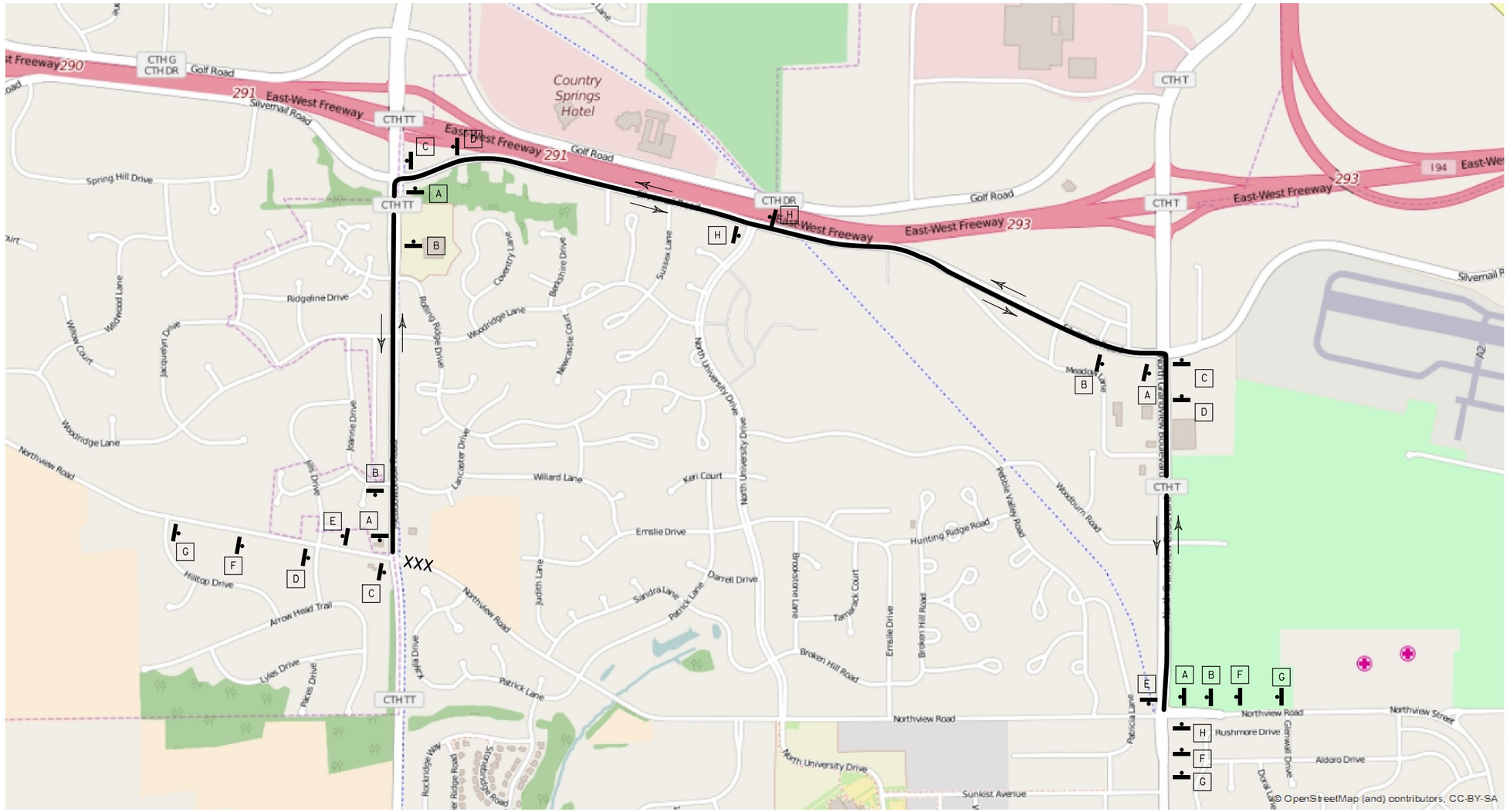
SIGN ON PERMANENT SUPPORT

[X] SIGN ASSEMBLY NUMBER

XXX ROAD CLOSED

N

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW ROAD DETOUR ROUTE STAGE 2	SHEET	E



A
NORTHVIEW RD
DETOUR
M4-9R

B
NORTHVIEW RD
DETOUR
M4-9R (MOD)

C
NORTHVIEW RD
DETOUR
M4-9L

D
NORTHVIEW RD
DETOUR
M4-9L (MOD)

E
NORTHVIEW RD
END DETOUR
M4-8A

F
DETOUR AHEAD
W20-2

G
NORTHVIEW RD
CLOSED AT HWY TT
FOLLOW DETOUR

H
NORTHVIEW RD
DETOUR M4-8
M6-1

NOTES:

CONTRACTOR SHALL COVER, AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

SEE TRAFFIC CONTROL SHEETS FOR SPECIFIC STAGING DETAILS.

SEE FIXED MESSAGE SIGN DETAILS FOR SIGN [G] DETAILS, AND "NORTHVIEW RD" SIGN DETAILS.

SEE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" SDD FOR ADDITIONAL DETAILS.

LEGEND

SIGNED DETOUR

SIGN ON PERMANENT SUPPORT

[X] SIGN ASSEMBLY NUMBER

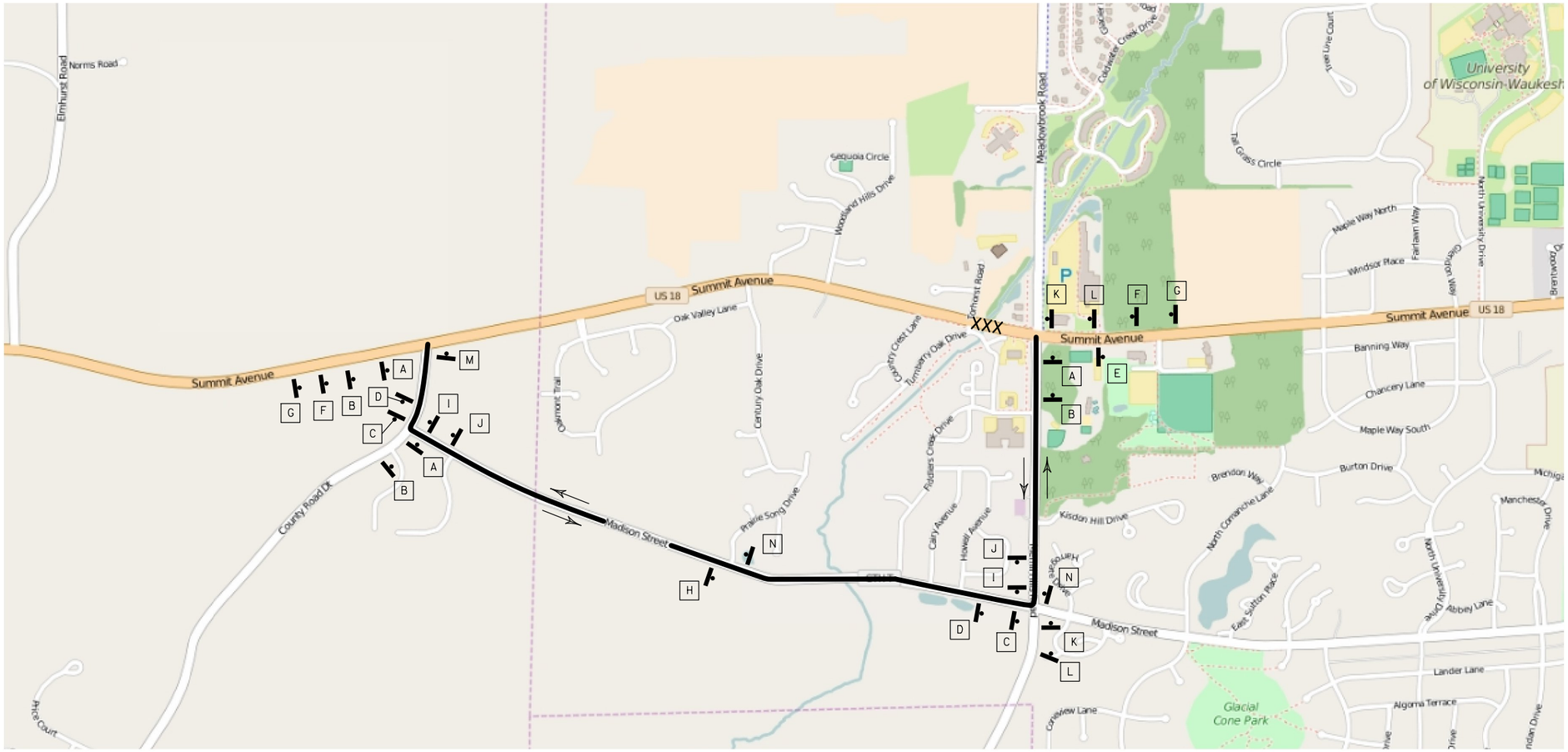
XXX ROAD CLOSED

N

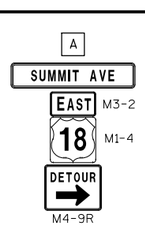
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	NORTHVIEW ROAD DETOUR ROUTE STAGE 3	SHEET	E

FILE NAME : FD_027002_dt.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 10000:1

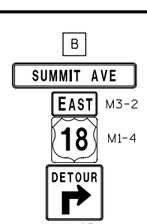
WISDOT/CADDS SHEET 42



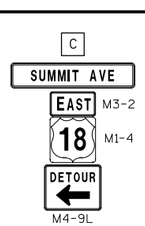
A



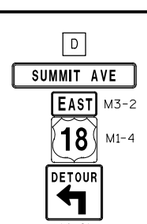
B



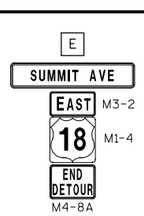
C



D



E



F



G



H



I



J



K



L



M



N



NOTES:

CONTRACTOR SHALL COVER, AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

SEE TRAFFIC CONTROL SHEETS FOR SPECIFIC STAGING DETAILS.

SEE FIXED MESSAGE SIGN DETAILS FOR SIGN [G] DETAILS, AND "SUMMIT AVE" SIGN DETAILS.

SEE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" SDD FOR ADDITIONAL DETAILS.

LEGEND

SIGNED DETOUR

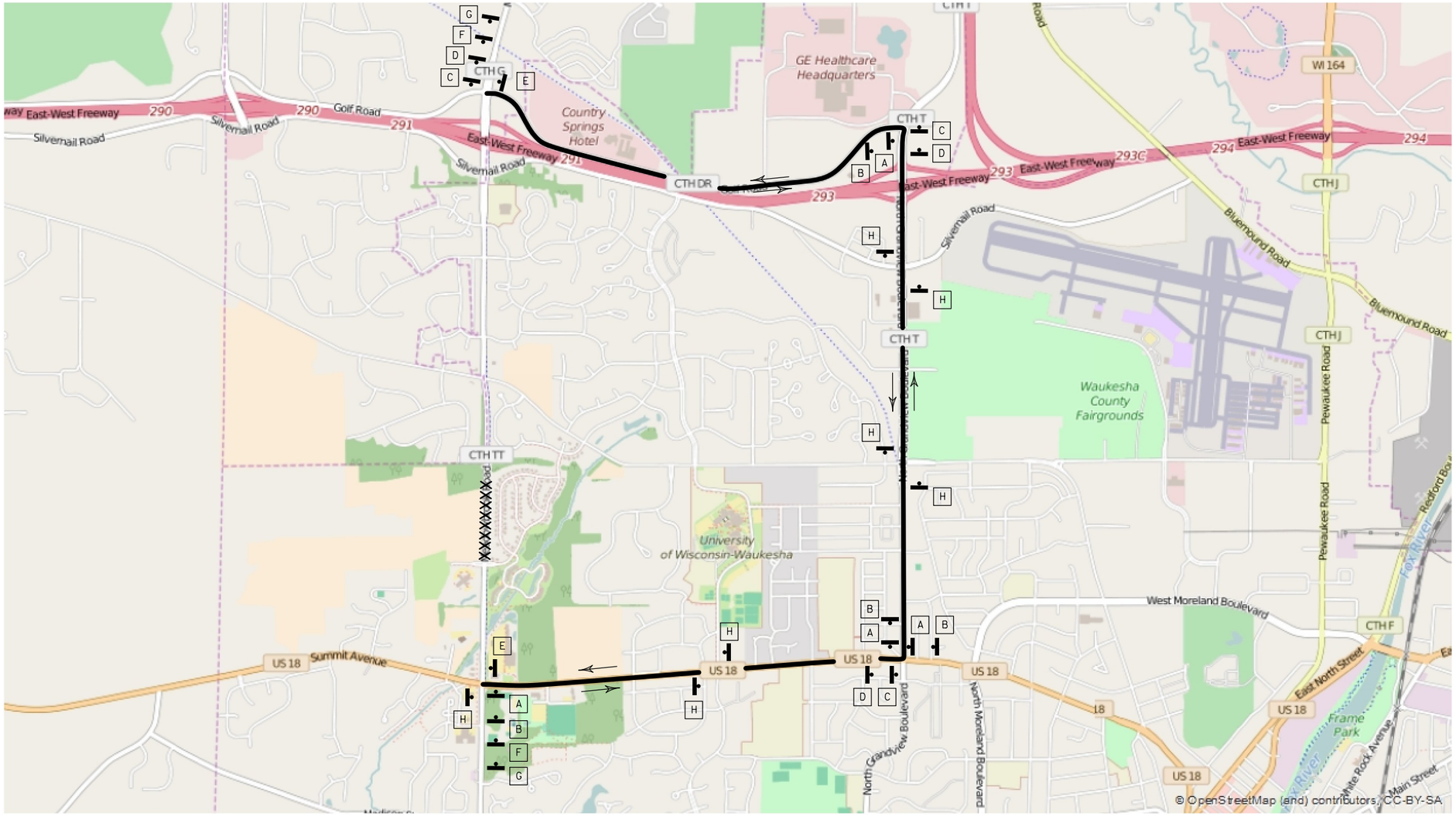
SIGN ON PERMANENT SUPPORT

[X] SIGN ASSEMBLY NUMBER

XXX ROAD CLOSED

N

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	SUMMIT AVENUE DETOUR - WEEKEND CLOSURE	SHEET	E



A
MEADOWBROOK RD
DETOUR
M4-9R

B
MEADOWBROOK RD
DETOUR
M4-9R (MOD)

C
MEADOWBROOK RD
DETOUR
M4-9L

D
MEADOWBROOK RD
DETOUR
M4-9L (MOD)

E
MEADOWBROOK RD
END DETOUR
M4-8A

F
DETOUR AHEAD
W20-2

G
MEADOWBROOK RD CLOSED FROM COLDWATER CREEK DR TO NORTHVIEW RD FOLLOW DETOUR

H
MEADOWBROOK RD
DETOUR M4-8
M6-1

NOTES:

CONTRACTOR SHALL COVER, AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

SEE TRAFFIC CONTROL SHEETS FOR SPECIFIC STAGING DETAILS.

SEE FIXED MESSAGE SIGN DETAILS FOR SIGN [G] DETAILS, AND "SUMMIT AVE" SIGN DETAILS.

SEE "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" SDD FOR ADDITIONAL DETAILS.

LEGEND

SIGNED DETOUR

SIGN ON PERMANENT SUPPORT

[X] SIGN ASSEMBLY NUMBER

XXX ROAD CLOSED

N

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	WAUKESHA BYPASS DETOUR - OVERNIGHT CLOSURE	SHEET	E

CONTROL POINT	NORTHING	EASTING
CP 128	668627.24	164978.31
CP 129	668785.16	165029.22
CP 130	668528.49	164491.12
CP 131	668781.48	164502.6
CP 132	668953.07	164424.35
CP 139	668683.48	162864.23
CP 140	668742.93	162598.35
CP 141	668974.79	162659.77

CONCRETE MONUMENT
W/BRASS CAP
Y = 163264.67
X = 668728.11

T 6 N
31 32
6 5
R 19 E

CONCRETE MONUMENT
W/BRASS CAP
Y = 163264.65
X = 668749.35

T 7 N
31 32
6 5
R 19 E

N

R/L WAUKESHA BYPASS

R/L MADISON ST

R/L KISDON HILL DR

R/L USH 18

R/L TORHORST ROAD

R/L FIDDLERS CREEK DR

R/L DRIVEWAY

CURVE 9

CURVE 10

CURVE 23

CURVE 24

CURVE 25

CURVE 26

CURVE 35

BEGIN PROJECT ID 2788-02-70
STA 273+75.00
X = 668707.22
Y = 163581.68

END PROJECT ID 2788-02-70
BEGIN PROJECT ID 2788-00-72
STA 284+74.64
X = 668719.53
Y = 164681.25

BEGIN CONSTRUCTION
STA 48+42.00
X = 668550.15
Y = 163664.77

BEGIN CONSTRUCTION
STA 8+87.15
X = 668030.63
Y = 164485.68

BEGIN CONSTRUCTION
STA 38+50.00
X = 667594.49
Y = 164702.62

BEGIN CONSTRUCTION
STA 8+75.00
X = 669332.71
Y = 164287.73

BEGIN CONSTRUCTION
PI 48+25.00
X = 668600.06
Y = 164999.38

END CONSTRUCTION
STA 11+90.00
X = 668085.21
Y = 164783.06

END CONSTRUCTION
STA 51+53.00
X = 668850.64
Y = 163624.94

END CONSTRUCTION
STA 51+50.00
X = 668869.67
Y = 165071.27

END CONSTRUCTION
STA 11+38.86
X = 669334.33
Y = 164551.42

END CONSTRUCTION
STA 62+33.94
X = 669947.48
Y = 164452.33

PI 34+00.00
X = 667156.24
Y = 164804.79

PI 43+14.91
PI 10+00.00
X = 668047.26
Y = 164597.06

PI 43+17.05
PI 10+00.00
X = 668049.32
Y = 164596.48

PI 9+55.81
X = 668037.23
Y = 164554.02

PI 8+85.21
X = 668030.44
Y = 164483.75

PI 8+66.99
X = 668031.84
Y = 164465.58

PI 13+25.00
X = 668110.72
Y = 164915.63

PI 46+20.00
X = 668328.15
Y = 163664.93

PI 274+57.99
PI 50+00.00
X = 668708.15
Y = 163664.66

PI 48+00.00
X = 668599.23
Y = 164974.40

PI 52+14.10
X = 668887.48
Y = 163576.20

PI 52+78.19

PI 56+12.61
PI 10+00.00
X = 669327.55
Y = 164412.53

PI 8+50.00
X = 669335.03
Y = 164262.84

PI 56+17.40
PI 10+00.00
X = 669332.33
Y = 164412.60

PI 62+49.01
PI 10+00.00
X = 669962.50
Y = 164453.49

PI 8+75.00
X = 669967.69
Y = 164328.68

PI 9+36.46
X = 669967.37
Y = 164390.14

PI 68+57.65
X = 670569.36
Y = 164500.16

PI 288+68.48
PI 50+00.00
X = 668719.72
Y = 165075.06

PI 53+00.00
X = 669019.63
Y = 165067.47

PT 265+67.97
X = 668698.19
Y = 162774.70

PC 50+90.99
S 37°04'46" E
63.25'

PI 51+22.72

PT 51+50.85

S 84°03'53" E
90.99'

STA 282+47.24 =
STA 50+00.00
X = 668716.99
Y = 164453.86

N 0°47'12" E
2050.84'

S 89°57'35" E
380.00'

S 76°52'35" E
1289.55'

N 4°23'43" W
18.22'

N 5°30'55" E
70.60'

N 13°07'25" E
44.19'

PC 46+89.55

PC 48+36.01

PI 48+56.68

PCC 48+77.01

PI 49+05.87

PT 49+27.01

PI 291+79.89

PC 286+20.16

PI 287+96.63

PRC 289+73.02

PT 293+86.66

N 10°53'22" E
325.00'

N 5°20'00 W
69.64'

PI 9+19.64

PT 12+00.00

PI 11+67.33

PC 11+29.74

N 01°02'12 E
129.74'

N 85°36'08 E
1000.00'

N 00°17'30 W
61.46'

N 04°23'52 W
63.54'

CP 128
CP 129
CP 130
CP 131
CP 132
CP 139
CP 140
CP 141

SUPERELEVATION
CURVE 24

	STATION	SE
	43+20	N.C.
	43+92	R.C.
BT	47+03	R.C.
FS	47+18.00	2.40%
FS	58+30.90	2.40%
ET	59+88.90	N.C.

CURVE 9	CURVE 10	FIDDLERS CREEK DR. CURVE 23	USH 18/ SUMMIT AVE CURVE 24	GAS STATION DRIVEWAY CURVE 25	GAS STATION DRIVEWAY CURVE 26	MEADOWBROOK SHOPPING CENTER SOUTH DRIVEWAY CURVE 35
PC = 286+20.16	PRC = 289+73.02	PC = 50+90.99	PC = 46+89.55	PC = 48+36.01	PCC = 48+77.01	PC = 11+29.74
X = 668721.16	X = 668716.59	X = 668798.65	X = 668412.11	X = 668600.42	X = 668608.12	X = 669334.68
Y = 164826.76	Y = 165179.55	Y = 163655.25	Y = 164511.99	Y = 165010.39	Y = 165050.49	Y = 164542.32
PI = 287+96.63	PI = 291+79.89	PI = 51+22.72	PI = 52+78.19	PI = 48+56.68	PI = 49+05.87	PI = 11+67.33
X = 668723.14	X = 668708.91	X = 668830.21	X = 668985.39	X = 668601.11	X = 668617.91	X = 669335.36
Y = 165003.21	Y = 165386.28	Y = 163651.97	Y = 164378.34	Y = 165031.05	Y = 165077.64	Y = 164579.90
PRC = 289+73.02	PT = 293+86.66	PT = 51+50.85	PT = 58+57.65	PCC = 48+77.01	PT = 49+27.01	PT = 12+00.00
X = 668716.59	X = 668712.94	X = 668849.35	X = 669572.30	X = 668608.12	X = 668646.76	X = 669306.83
Y = 165179.55	Y = 165593.12	Y = 163626.65	Y = 164423.48	Y = 165050.49	Y = 165076.91	Y = 164604.37
R = 7300.00	R = 7300.00	R = 73.00	R = 3819.72	R = 131.00	R = 40.00	R = 79.83
DELTA = 2°46'10" LT	DELTA = 3°14'48" RT	DELTA = 46°59'07" RT	DELTA = 17°31'18" LT	DELTA = 17°55'56" RT	DELTA = 71°37'11" RT	DELTA = 50°25'21" LT
D = 0°47'06"	D = 0°47'06"	D = 78°29'15"	D = 1°30'00"	D = 43°44'14"	D = 143°14'22"	D = 71°46'09"
L = 352.85	L = 413.64	L = 59.86	L = 1168.10	L = 41.00	L = 50.00	L = 70.26
T = 176.46	T = 206.88	T = 31.73	T = 588.65	T = 20.67	T = 28.86	T = 37.59
BK = N 0°38'29" E	BK = N 2°07'41" W	BK = S 84°03'53" E	BK = S 76°52'35" E	BK = N 1°53'50" E	BK = N 19°49'46" E	BK = N 01°02'12" E
AH = N 2°07'41" W	AH = N 1°07'07" E	AH = S 37°04'46" E	AH = N 85°36'08" E	AH = N 19°49'46" E	AH = S 88°33'03" E	AH = N 49°23'09" W
S.E. = N.C.	S.E. = N.C.	S.E. = N.C.	S.E. = 2.4%	S.E. = N.C.	S.E. = N.C.	S.E. = N.C.

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN - WAUKESHA BYPASS	SHEET	E

2

2

CURVE 11	COLDWATER CREEK DR CURVE 27	NORTHVIEW RD CURVE 28	NORTHVIEW RD DRIVEWAY CURVE 39
PC = 333+42.79	PC = 53+09.03	PC = 50+99.43	PC = 10+53.87
X = 668790.18	X = 669044.12	X = 668868.52	X = 669050.86
Y = 169548.50	Y = 166724.47	Y = 170237.39	Y = 170244.88
PI = 336+25.76	PI = 54+65.27	PI = 55+06.01	PI = 10+68.72
X = 668795.70	X = 669200.34	X = 669267.24	X = 669054.39
Y = 169831.42	Y = 166721.54	Y = 170157.82	Y = 170259.30
PT = 339+08.45	PT = 55+93.19	PT = 58+91.55	PT = 10+83.40
X = 668779.31	X = 669282.82	X = 669563.95	X = 669054.14
Y = 170113.91	Y = 166854.24	Y = 169879.84	Y = 170274.14
R = 7300.00	R = 274.96	R = 1425.00	R = 115.00
DELTA = 4°26'23" LT	DELTA = 59°12'49" LT	DELTA = 31°50'56" RT	DELTA = 14°42'34" LT
D = 0° 47'06"	D = 20°50'16"	D = 4°01'15"	D = 49°49'21"
L = 565.66	L = 284.16	L = 792.11	L = 29.52
T = 282.97	T = 156.24	T = 406.58	T = 14.84
BK = N 1°07'07" E	BK = S 88°55'27" E	BK = S 78°42'54" E	BK = N 13°45'56" E
AH = N 3°19'16" W	AH = N 31°51'45" E	AH = S 46°51'57" E	AH = N 00°56'38" W
S.E. = N.C.	S.E. = N.C.	S.E. = 3.0%	S.E. = N.C.

T 7 N
31 32
31 32
R 19 E

CONCRETE MONUMENT
W/BRASS CAP
Y = 165935.99
X = 668742.80

T 7 N
30 29
31 32
R 19 E

CONCRETE MONUMENT
W/BRASS CAP
Y = 168619.82
X = 668743.61

PI 44+25.00
X = 668160.24
Y = 166740.50

45+00

S 88°54'19" E
575.00'

BEGIN CONSTRUCTION
STA 48+00.00
X = 668535.17
Y = 166733.34

PI 305+23.27
PI 50+00.00
X = 668735.13
Y = 166729.52

CP 125

295+00
300+00
305+00
310+00
315+00
320+00
325+00
330+00
335+00
340+00
345+00
350+00
355+00

CP 127

N 1°07'07" E
3956.13'

CP 124

PI 305+24.03
PI 50+00.00
X = 668735.15
Y = 166730.27

CP 123
CP 122
CP 121
R/L WAUKESHA BYPASS
CP 120

S 88°55'27" E
309.03'

PC 53+09.03

CP 126

END CONSTRUCTION
STA 52+75.00
X = 669010.10
Y = 166725.11

CURVE 27

55+00

PI 54+65.27

R/L COLDWATER CREEK DR

PT 55+93.19
X = 669282.82
Y = 166854.24

PC 333+42.79

PT 339+08.45

CURVE 11

CP 119

PI 336+25.76

PI 42+25.00
X = 668008.96
Y = 170397.94

BEGIN CONSTRUCTION
STA 44+50.00
X = 668230.20
Y = 170356.97

END PROJECT
ID 2788-00-72
STA 342+31.74
X = 668760.58
Y = 170436.66

S 79°30'39" E
775.00'

CP 118

45+00

R/L JOANNE DR

CP 114

CP 113

50+00

CP 112

CP 111

CP 117

N 3°19'16" W
618.47'

S 78°42'53" E
99.43'

PI 340+51.62
PI 50+00.00
X = 668771.01
Y = 170256.85

PC 50+99.43

CURVE 39

10+00

PI 12+51.63
X = 669051.37
Y = 170442.35

CP 116

CP 115

END CONSTRUCTION
STA 12+00.00
X = 669052.22
Y = 170390.73

R/L LANCASTER DR

N 00°56'38" W
168.23'

PT 10+83.40

PI 10+68.72

PC 10+53.87

N 13°45'56" E
53.87'

PI 52+74.89
PI 10+00.00
X = 669038.04
Y = 170192.56

55+00

PI 55+06.01

END CONSTRUCTION
STA 56+65.00
X = 669387.03
Y = 170020.97

CURVE 28

S 46°51'57" E
399.01'

PI 62+90.55
X = 669855.12
Y = 169607.04

60+00

PT 58+91.55

R/L NORTHVIEW RD

T 7 N
30 29
30 29
R 19 E

CONCRETE MONUMENT
W/BRASS CAP
Y = 171291.29
X = 668756.57

CONTROL POINT	NORTHING	EASTING
CP 111	668670.44	171822.74
CP 112	668700.26	171290.8
CP 113	668696.05	171005.35
CP 114	688508.92	171075.94
CP 115	669077.05	170952.16
CP 116	669060.28	170200.94
CP 117	668803.4	170298.98
CP 118	668490.93	170298.04
CP 119	668855.85	169632.22
CP 120	668853.06	168935.28
CP 121	668841.97	168349.49
CP 122	668830.51	167753.35
CP 123	668819.53	167213.93
CP 124	668818.54	166669.73
CP 125	668595.53	166731.72
CP 126	669085.09	166720.92
CP 127	668742.77	165935.95

SUPERELEVATION
CURVE 28

	STATION	SE
BT	50+00.00	1.00%
FS	51+25.00	3.00%
FS	56+25.00	3.00%

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN - WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_027204_ad.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 400:1

CLEARING AND GRUBBING ITEMS

STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 1			
WB 264+00 - 282+00	RT	18	18
US 40+00 - 43+00	LT	3	3
US 43+00 - 47+00	RT	4	4
US 43+00 - 46+00	LT	3	3
US 47+00 - 49+00	LT	2	2
US 51+00 - 54+00	RT	3	3
US 52+00 - 54+00	LT	2	2
US 57+00 - 59+00	LT	2	2
STAGE 1 SUBTOTAL		**37**	**37**
2788-02-70 TOTAL		**37**	**37**
PROJECT NO: 2788-00-72			
STAGE 1			
WB 285+00 - 289+00	RT	4	4
WB 288+00 - 293+00	LT	5	5
WB 294+00 - 296+00	LT	2	2
WB 296+00 - 298+00	LT	2	2
WB 298+00 - 304+00	LT	6	6
WB 308+00 - 338+00	LT	30	30
WB 340+00 - 342+00	LT	2	2
NV 44+00 - 46+00	RT	2	2
STAGE 1 SUBTOTAL		**53**	**53**
2788-00-72 TOTAL		**53**	**53**
CONSTRUCTION TOTAL		**90**	**90**

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	COMMENTS
CATEGORY CODE 0010			
PROJECT 2788-02-70			
269'WB'+94 - 270'WB'+16	RT	1	REMOVE 22 LF OF CPCM 15-INCH
270'WB'+21 - 270'WB'+52	RT	1	REMOVE 31 LF OF CPCM 15-INCH
274'WB'+30 - 274'WB'+77	RT	2	REMOVE 50 LF OF TWIN CPCM 18-INCH
39'US'+16 - 39'US'+53	LT	1	REMOVE 37 LF OF CPCM 24-INCH
42'US'+63 - 42'US'+64	LT	1	REMOVE 14 LF OF CPCM 15-INCH
42'US'+68 - 43'US'+79	RT	1	REMOVE 110 LF OF CPCM 48-INCH
42'US'+70 - 43'US'+49	LT	1	REMOVE 79 LF OF CPCM 24-INCH
44'US'+19 - 44'US'+85	LT & RT	3	REMOVE 109 LF OF TRIPLE CPCM 40-INCH
50'US'+80 - 50'US'+86	LT	1	REMOVE 17 LF OF CPRC 18-INCH
52'US'+93 - 52'US'+96	LT & RT	1	REMOVE 125 LF OF CPCM 30-INCH
55'US'+46 - 56'US'+93	LT	1	REMOVE 145 LF OF CPCM 24-INCH
57'US'+26 - 57'US'+33	RT	1	REMOVE 20 LF OF CPCM 18-INCH
59'US'+80 - 60'US'+37	RT	1	REMOVE 57 LF OF CPCM 18-INCH
PROJECT 2788-02-70 SUBTOTAL		16	
PROJECT 2788-00-72			
286'WB'+76	RT	1	REMOVE 17 LF OF CPCM 12-INCH
288'WB'+13 - 289'WB'+01	LT	1	REMOVE 88 LF OF CPCM 18-INCH
336'WB'+48 - 336'WB'+49	RT	1	REMOVE 17 LF OF CPRC 15-INCH
44'NV'+63 - 44'NV'+92	LT	1	REMOVE 29 LF OF CPCM 18-INCH
46'NV'+32 - 46'NV'+63	RT	1	REMOVE 31 LF OF CPCM 12-INCH
47'NV'+86 - 48'NV'+22	RT	1	REMOVE 37 LF OF CPCM 12-INCH
47'NV'+94 - 48'NV'+21	LT	1	REMOVE 27 LF OF CPCM 12-INCH
52'NV'+53 - 52'NV'+99	LT	1	REMOVE 47 LF OF CPCM 18-INCH
PROJECT 2788-00-72 SUBTOTAL		8	
TOTAL		**24**	

REMOVING MASONRY

STATION	LOCATION	204.0185 CY
CATEGORY CODE 0010		
PROJECT 2788-02-70		
44'US'+27	RT	5
44'US'+77	LT	5
PROJECT 2788-02-70 SUBTOTAL		10
PROJECT 2788-00-72		
290'WB'+13	LT	17
PROJECT 2788-00-72 SUBTOTAL		17
TOTAL		**27**

ROADWAY REMOVAL ITEMS

STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB AND GUTTER LF	204.0155 REMOVING SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	SPV.0060.11 REMOVING RAISED PAVEMENT MARKERS EACH
CAT 0010						
PROJECT NO: 2788-02-70						
STAGE 1						
WB 283+25 - 284+00	RT	--	--	--	--	6
US 38+50 - 43+25	LT	--	473	--	--	--
US 43+25 - 45+00	LT	--	171	--	--	--
US 46+00 - 49+50	MED	--	669	--	--	--
US 49+00 - 50+00	LT	--	66	--	--	--
US 50+00 - 51+00	RT	--	63	--	--	--
US 50+00 - 51+00	LT	--	68	--	--	--
US 50+50 - 54+00	MED	--	620	--	--	--
US 55+50 - 56+00	RT	--	66	--	--	--
US 56+25 - 56+75	RT	--	65	--	--	--
STAGE 1 SUBTOTAL		**--**	**2,262**	**--**	**--**	**6**
STAGE 2						
FC 48+43 - 50+00	RT	--	151	56	--	--
FC 48+43 - 50+00	LT	--	163	77	--	--
US 39+50 - 43+00	LT	--	--	188	--	--
US 40+50 - 43+25	RT	--	319	135	--	--
US 43+25 - 44+00	RT	--	103	--	--	--
US 46+75 - 49+75	RT	--	--	196	--	--
US 47+00 - 49+50	LT	--	--	144	--	--
US 49+00 - 50+00	RT	--	68	--	--	--
STAGE 2 SUBTOTAL		**--**	**804**	**796**	**--**	**--**
STAGE 3						
FC 50+00 - 51+00	RT	--	74	--	--	--
FC 50+00 - 51+00	LT	--	46	--	--	--
US 50+50 - 56+00	LT	--	123	294	--	--
US 50+50 - 56+00	RT	--	--	298	--	--
US 56+25 - 62+25	RT	--	149	370	--	--
US 56+00 - 57+00	LT	--	138	67	--	--
STAGE 3 SUBTOTAL		**--**	**530**	**1,029**	**--**	**--**
2788-02-70 TOTAL		**--**	**3,595**	**1,825**	**--**	**6**

ROADWAY REMOVAL ITEMS (CONT.)

STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB AND GUTTER LF	204.0155 REMOVING SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	SPV.0060.11 REMOVING RAISED PAVEMENT MARKERS EACH
CAT 0010						
PROJECT NO: 2788-00-72						
STAGE 1						
NV 50+00 - 51+50	LT	--	61	--	--	--
NV 50+00 - 50+75	RT	--	66	--	--	--
STAGE 1 SUBTOTAL		**--**	**128**	**--**	**--**	**--**
STAGE 2						
WB 334+25 - 337+75	LT	--	--	--	--	--
DWY 48+25 - 50+00	RT	--	154	54	--	--
DWY 48+25 - 50+00	LT	--	209	--	--	--
CC 48+00 - 50+00	RT	--	215	101	--	--
CC 48+00 - 50+00	MED	--	140	--	--	--
CC 48+00 - 50+00	LT	--	263	92	--	--
NV 49+00 - 49+50	LT	--	64	--	--	--
NV 49+00 - 50+00	RT	--	80	--	--	--
STAGE 2 SUBTOTAL		**--**	**1,126**	**247**	**--**	**--**
STAGE 3						
WB 286+50 - 288+50	RT	--	275	--	--	--
WB 289+75 - 331+00	RT	13,750	--	--	--	--
WB 322+75 - 328+25	RT	--	--	--	553	--
DWY 50+75 - 51+50	RT	--	--	47	--	--
DWY 50+75 - 51+25	MED	--	61	--	--	--
DWY 50+50 - 51+25	LT	--	91	--	--	--
CC 50+50 - 52+75	RT	--	287	118	--	--
CC 50+50 - 52+75	MED	--	170	--	--	--
CC 50+50 - 52+75	LT	--	241	119	--	--
NV 50+50 - 55+00	RT	--	--	255	--	--
STAGE 3 SUBTOTAL		**13,750**	**1,125**	**539**	**553**	**--**
2788-00-72 TOTAL		**13,750**	**2,378**	**787**	**553**	**--**
CONSTRUCTION TOTAL		**13,750**	**5,974**	**2,612**	**553**	**6**

REMOVING STORM SEWER STRUCTURE ITEMS

STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH	204.0220 REMOVING INLETS EACH
CATEGORY CODE 0010				
PROJECT 2788-02-70				
274'WB'+06	LT	1	--	--
274'WB'+38	LT	--	1	--
274'WB'+76	LT	--	1	--
46'US'+05	RT	--	1	--
50'US'+76	RT	--	1	--
50'US'+92	RT	--	1	--
PROJECT 2788-02-70 SUBTOTALS		1	5	--
PROJECT 2788-00-72				
287'WB'+70	RT	--	--	1
287'WB'+71	RT	--	1	--
288'WB'+42	RT	--	1	--
288'WB'+99	RT	--	1	--
289'WB'+43	RT	--	--	1
289'WB'+46	RT	--	--	1
304'WB'+83	RT	--	1	--
304'WB'+85	LT	--	1	--
305'WB'+61	LT	--	1	--
305'WB'+62	RT	--	1	--
341'WB'+00	RT	--	1	--
PROJECT 2788-00-72 SUBTOTALS		--	8	3
TOTALS		**1**	**13**	**3**

REMOVING LINEAR FOOT ITEMS

STATION	LOCATION	204.9090.S.01 18-INCH CULVERT PIPE LF	204.9090.S.02 48-INCH CULVERT PIPE LF	204.9090.S.03 72-INCH CULVERT PIPE LF	COMMENTS
CATEGORY CODE 0010					
PROJECT 2788-02-70					
62'US'+02	RT	8	--	--	--
PROJECT 2788-02-70 SUBTOTALS		8	--	--	
PROJECT 2788-00-72					
290'WB'+02	LT	--	8	--	REMOVE PIPE TO NEAREST JOINT
290'WB'+13	LT	--	8	--	REMOVE PIPE TO NEAREST JOINT
290'WB'+23	LT	--	--	8	REMOVE PIPE TO NEAREST JOINT
323'WB'+44	LT	--	8	--	REMOVE PIPE TO NEAREST JOINT
PROJECT 2788-00-72 SUBTOTALS		--	24	8	
TOTALS		**8**	**24**	**8**	

REMOVING STORM SEWER ITEMS

STATION - STATION	LOCATION	204.0245.01 12-INCH LF	204.0245.02 18-INCH LF	204.0245.03 21-INCH LF	204.0245.04 24-INCH LF	204.0245.05 30-INCH LF
CATEGORY CODE 0010						
PROJECT 2788-02-70						
273'WB'+91 - 274'WB'+06	LT	16	--	--	--	--
274'WB'+05 - 274'WB'+06	LT	22	--	--	--	--
274'WB'+06 - 274'WB'+38	LT	33	--	--	--	--
274'WB'+38	LT	53	--	--	--	--
274'WB'+38 - 274'WB'+76	LT	44	--	--	--	--
274'WB'+76 - 275'WB'+16	LT	42	--	--	--	--
40'US'+05 - 40'US'+12	RT	--	--	--	--	10
46'US'+05	RT	--	--	--	--	47
50'US'+75	LT	--	--	--	70	--
50'US'+92	RT	--	--	--	49	--
PROJECT 2788-02-70 SUBTOTALS		210	--	--	119	57
PROJECT 2788-00-72						
286'WB'+81 - 287'WB'+70	RT	--	--	--	91	--
287'WB'+70	RT	30	--	--	--	--
287'WB'+70 - 288'WB'+42	RT	--	--	--	75	--
288'WB'+42 - 288'WB'+99	RT	--	--	--	58	--
288'WB'+99 - 289'WB'+43	RT	--	--	--	47	--
289'WB'+43 - 289'WB'+46	RT	40	--	--	--	--
289'WB'+43 - 289'WB'+92	RT	--	--	--	--	52
304'WB'+58 - 304'WB'+85	LT	--	--	29	--	--
304'WB'+67 - 304'WB'+83	RT	--	17	--	--	--
304'WB'+83 - 305'WB'+62	RT	--	80	--	--	--
304'WB'+85 - 305'WB'+61	LT	--	--	79	--	--
305'WB'+61 - 305'WB'+81	LT	--	--	22	--	--
305'WB'+62 - 305'WB'+80	RT	--	18	--	--	--
340'WB'+89 - 341'WB'+00	RT	--	42	--	--	--
341'WB'+00 - 341'WB'+47	LT & RT	--	83	--	--	--
PROJECT 2788-00-72 SUBTOTALS		70	240	130	271	52
TOTALS		**280**	**240**	**130**	**390**	**109**

3

EARTHWORK SUMMARY - 2788-02-70 & 2788-00-72

DIVISION	FROM/TO STATION	LOCATION	EXCAVATION COMMON (ITEM #205.0100) CUT (NOTE 1)	EXCAVATION COMMON (ITEM #205.0100) EBS EXCAVATION (NOTE 2)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (NOTE 3)	AVAILABLE MATERIAL (NOTE 4)	EXCAVATION MARSH (ITEM #205.0400) (NOTE 2)	REDUCED MARSH IN FILL (NOTE 5) FACTOR 0.60	REDUCED EBS IN FILL (NOTE 6) FACTOR 0.80	BREAKER RUN BACKFILL IN MARSH (NOTE 7)	BREAKER RUN BACKFILL IN EBS (NOTE 8)	EXPANDED MARSH IN BACKFILL (NOTE 9) FACTOR 1.50	EXPANDED EBS BACKFILL (NOTE 10) FACTOR 1.30	UNEXPANDED FILL	EXPANDED FILL (NOTE 11) FACTOR 1.25	MASS ORDINATE +/- (NOTE 12)	WASTE (NOTE 13)	BORROW (ITEM #208.0100) (NOTE 14) FACTOR 1.15	COMMENTS
DIVISION 1	264+66 to 284+75	WAUKESHA BYPASS TEMP	1,439	944	0	1,439	2,174	1,305	755	2,392	694	0	325	220	599	839			
	46+00 to 61+00	USH 18/SUMMIT AVE TEMP	1,779	2,125	0	1,779	0	0	1,700	0	2,049	0	98	1,817	2,369	-590			
		2788-02-70 SUBTOTAL	**3,218**	**3,068**	**0**	**3,218**	**2,174**	**1,305**	**2,455**	**2,392**	**2,743**	**0**	**423**	**2,036**	**2,968**	**250**	**4009**		
	284+75 to 342+32	WAUKESHA BYPASS TEMP	376	0	0	376	0	0	0	0	0	0	0	417	521	-145			
		2788-00-72 SUBTOTAL	**376**	**0**	**0**	**376**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**417**	**521**	**-145**	**0**		
SUBTOTAL			3,594	3,068	0	3,594	2,174	1,305	2,455	2,392	2,743	0	423	2,453	3,489	105	3864		
DIVISION 2	266+58 to 284+75	WAUKESHA BYPASS	2,952	1,151	0	2,952	391	235	921	430	1,011	0	182	4,823	6,210	-3,258			
	48+42 to 49+50	FIDDLERS CREEK DR	460	0	0	460	0	0	0	0	0	0	0	32	40	420			
	38+50 to 49+50	USH 18/SUMMIT AVE	8,289	0	0	8,289	553	332	0	609	0	0	0	4,700	5,875	2,413			
	10+39 to 11+90	TORHORST ROAD	165	0	0	165	0	0	0	0	0	0	0	456	570	-405			
	8+87 to 9+50	TURNBERRY OAK DR	113	0	0	113	0	0	0	0	0	0	0	68	85	28			
		2788-02-70 SUBTOTAL	**11,980**	**1,151**	**0**	**11,980**	**944**	**567**	**921**	**1,039**	**1,011**	**0**	**182**	**10,079**	**12,780**	**-801**	**1487**	**640**	USE USABLE WASTE MATERIAL FROM DIVISION 1
	284+75 to 342+32	WAUKESHA BYPASS	43,508	0	0	43,508	859	515	0	945	0	0	0	41,446	51,807	-8,299			
	48+25 to 49+50	DRIVEWAY	230	0	0	230	0	0	0	0	0	0	0	171	214	16			
	48+00 to 49+50	COLDWATER CREEK DR	515	0	0	515	0	0	0	0	0	0	0	84	106	409			
	44+00 to 49+50	NORTHVIEW RD	2,526	0	0	2,526	0	0	0	0	0	0	0	157	197	2,329			
	324+00	DRY POND 324	975	0	0	975	0	0	0	0	0	0	0	750	937	38			
		2788-00-72 SUBTOTAL	**47,754**	**0**	**0**	**47,754**	**859**	**515**	**0**	**945**	**0**	**0**	**0**	**42,608**	**53,260**	**-5,507**	**515**	**5,066**	
SUBTOTAL			59,734	1,151	0	59,734	1,803	1,082	921	1,984	1,011	0	182	52,687	66,041	-6,307	2002	5,706	
DIVISION 3	272+85 to 284+75	WAUKESHA BYPASS	1,633	0	0	1,633	88	53	0	97	0	0	0	8,532	10,665	-9,032			
	50+00 to 51+60	FIDDLERS CREEK DR	312	0	0	312	0	0	0	0	0	0	0	26	33	278			
	50+00 to 62+40	USH 18/SUMMIT AVE	10,571	1,138	0	10,571	0	0	910	0	978	0	208	1,889	2,569	8,002			
	8+75 to 9+60	DWY_US_5613	151	0	0	151	0	0	0	0	0	0	0	28	35	115			
	10+43 to 11+39	DWY_US_5617	401	0	0	401	0	0	0	0	0	0	0	0	0	401			
		2788-02-70 SUBTOTAL	**13,067**	**1,138**	**0**	**13,067**	**88**	**53**	**910**	**97**	**978**	**0**	**208**	**10,477**	**13,303**	**-236**	**963**	**217**	
	284+75 to 342+32	WAUKESHA BYPASS	5,808	0	0	5,808	0	0	0	0	0	0	0	6,739	8,423	-2,616			
	50+00 to 51+50	DRIVEWAY	575	0	0	575	0	0	0	0	0	0	0	6	8	567			
	50+00 to 52+75	COLDWATER CREEK DR	934	0	0	934	0	0	0	0	0	0	0	69	87	847			
	50+50 to 56+65	NORTHVIEW RD	255	0	0	255	0	0	0	0	0	0	0	5,641	7,052	-6,797			
	10+42 to 12+00	DWY_NV_5272	8	0	0	8	0	0	0	0	0	0	0	414	518	-510			
		2788-00-72 SUBTOTAL	**7,579**	**0**	**0**	**7,579**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12,870**	**16,087**	**-8,508**	**0**	**7,828**	
SUBTOTAL			20,646	1,138	0	20,646	88	53	910	97	978	0	208	23,346	29,390	-8,745	963	8,045	
DIVISION 4	273+75 to 284+75	WAUKESHA BYPASS MEDIAN	701	0	0	701	0	0	0	0	1,046	0	0	1,020	1,275	-574			
		2788-02-70 SUBTOTAL	**701**	**0**	**0**	**701**	**0**	**0**	**0**	**0**	**1,046**	**0**	**0**	**1,020**	**1,275**	**-574**	**0**		
	284+75 to 342+32	WAUKESHA BYPASS MEDIAN	2,794	0	0	2,794	0	0	0	0	0	0	0	402	502	2,291			
		2788-00-72 SUBTOTAL	**2,794**	**0**	**0**	**2,794**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**402**	**502**	**2,291**	**2291**		
SUBTOTAL			3,494	0	0	3,494	0	0	0	0	1,046	0	0	1,422	1,777	1,717	1717		
		2788-02-70 TOTAL	**28,966**	**5,357**	**0**	**28,966**	**3,207**	**1,924**	**4,286**	**3,528**	**5,778**	**0**	**812**	**23,612**	**30,327**	**-1,361**	**6355**	**857**	USABLE WASTE FROM DIVISION 1 REMOVED FROM WASTE SUBTOTAL
		2788-02-70 TOTAL EXCAVATION COMMON	**34,323**																
		2788-00-72 TOTAL	**58,502**	**0**	**0**	**58,502**	**859**	**515**	**0**	**945**	**0**	**0**	**0**	**56,297**	**70,371**	**-11,869**	**2806**	**12,894**	
		2788-00-72 TOTAL EXCAVATION COMMON	**58,502**																
GRAND TOTAL			87,468	5,357	0	87,468	4,066	2,439	4,286	4,473	5,778	0	812	79,908	100,698	-13,230	9161	13,751	USABLE WASTE FROM DIVISION 1 REMOVED FROM WASTE SUBTOTAL
		TOTAL EXCAVATION COMMON	92,825																

1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
2) LOWER 3 FEET OF EBS EXCAVATION AND EXCAVATION MARSH TO BE BACKFILLED WITH BREAKER RUN.
3) SALVAGED/UNUSABLE PAVEMENT MATERIAL = LENGTH * TYPICAL WIDTH * TYPICAL DEPTH
4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS ASSUMED WASTE. MARSH IN FILL REDUCTION FACTOR = 0.6. MATERIAL IS POTENTIALLY
6) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS ASSUMED WASTE. EBS IN FILL REDUCTION FACTOR = 0.8. MATERIAL IS POTENTIALLY USABLE I
7) LOWER 3 FEET OF EXCAVATION MARSH TO BE BACKFILLED WITH BREAKER RUN. SEE SEPARATE QUANTITY TABLE.
8) LOWER 3 FEET OF EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN. SEE SEPARATE QUANTITY TABLE.
9) EXPANDED MARSH BACKFILL - AREA ABOVE BREAKER RUN TO BE FILLED WITH CUT MATERIAL. MARSH BACKFILL FACTOR = 1.5.
10) EXPANDED EBS BACKFILL - AREA ABOVE BREAKER RUN TO BE FILLED WITH CUT MATERIAL. EBS BACKFILL FACTOR = 1.3.
11) EXPANDED FILL. FACTOR = 1.25. EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR + EXPANDED MARSH + EXPANDED EBS
12) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF USABLE MATERIAL WITHIN THE DIVISI
13) WASTE = REDUCED MARSH IN FILL + REDUCED EBS IN FILL + EXCESS USABLE MATERIAL FROM MASS ORDINATE
14) BORROW = (MASS ORDINATE + USABLE WASTE MATERIAL FROM PREVIOUS DIVISION) / FILL FACTOR * BORROW FACTOR

ROCK EXCAVATION

	STATION	LOCATION	205.0200 EXCAVATION ROCK CY
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 2			
	US 44+75 - 46+00	LT/RT	113
	US 44+75	LT/RT	44
STAGE 2 SUBTOTAL			**158**
2788-02-70 TOTAL			**158**
PROJECT NO: 2788-00-72			
STAGE 2			
	WB 337+50 - 340+00	LT	364
	WB 338+50	LT	6
	WB 338+50 - 339+50	LT	32
	WB 339+50 - 340+00	LT	27
STAGE 2 SUBTOTAL			**429**
2788-00-72 TOTAL			**429**
CONSTRUCTION TOTAL			**587**

COFFERDAMS

STATION	206.5000 LS
CATEGORY CODE 0010	
PROJECT 2788-02-70	
01. 44'US'+45	1
02. 44'US'+60	1
PROJECT 2788-02-70 SUBTOTAL	2
PROJECT 2788-00-72	
03. 290'WB'+55	1
04. 290'WB'+85	1
05. 323'WB'+45	1
PROJECT 2788-00-72 SUBTOTAL	3
TOTAL	**5**

SHAPING ROADWAY

	STATION	LOCATION	305.0502.S SHAPING ROADWAY STA
CAT 0010			
PROJECT NO: 2788-00-72			
STAGE 3			
	WB 289+75 - 331+00 NORTHBOUND ONLY	RT	42
STAGE 3 SUBTOTAL			**42**
2788-00-72 TOTAL			**42**
CONSTRUCTION TOTAL			**42**

BASES AND SUBBASES

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
CAT 0010				
PROJECT NO: 2788-02-70				
STAGE 1				
WB 264+00 - 272+85	RT	58	641	--
WB 275+25 - 282+00	RT	44	851	--
WB 282+75 - 284+75	RT	15	195	--
US 41+50 - 49+75	LT	48	701	--
US 50+50 - 55+75	RT	33	592	--
US 56+25 - 60+50	RT	28	371	--
UNDISTRIBUTED	N/A	--	101	--
STAGE 1 SUBTOTAL		**226**	**3,452**	**--**
STAGE 2				
WB 266+58 - 273+75	LT	77	1,161	--
WB 273+75 - 281+10	LT	29	1,231	1,319
WB 281+10 - 284+75	LT	--	974	2,300
FC 48+43 - 49+10	LT/RT	--	201	--
US 38+50 - 49+00	LT/RT	27	5,872	7,583
TO 10+75 - 11+90	LT/RT	--	195	--
UNDISTRIBUTED	N/A	2	289	--
STAGE 2 SUBTOTAL		**135**	**9,923**	**11,202**
STAGE 3				
WB 264+66 - 273+75	RT	70	1,345	--
WB 273+75 - 280+75	RT	--	1,655	1,312
WB 280+75 - 284+75	RT	--	1,159	2,553
FC 50+85 - 51+53	LT/RT	--	119	--
US 51+00 - 62+40	LT/RT	167	7,412	9,510
UNDISTRIBUTED	N/A	5	310	--
STAGE 3 SUBTOTAL		**242**	**12,000**	**13,375**
STAGE 4				
WB 273+75 - 281+00	MED	--	954	717
WB 281+00 - 284+75	MED	--	216	387
UNDISTRIBUTED	N/A	--	35	--
STAGE 4 SUBTOTAL		**--**	**1,205**	**1,104**
2788-02-70 TOTAL		**603**	**26,580**	**25,681**

BASES AND SUBBASES (CONT.)

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
CAT 0010				
PROJECT NO: 2788-00-72				
STAGE 1				
WB 284+75 - 287+25	LT	23	103	--
WB 284+75 - 286+50	RT	16	94	--
WB 335+25 - 340+25	RT	86	784	--
WB 336+25 - 342+50	LT/RT	56	357	--
WB 340+50 - 342+50	RT	18	325	--
UNDISTRIBUTED	N/A	--	3	--
STAGE 1 SUBTOTAL		**199**	**1,666**	**--**
STAGE 2				
WB 284+75 - 288+50	LT	10	747	1,749
WB 288+50 - 305+25	LT	--	3,207	4,530
WB 305+25 - 336+50	LT	--	5,972	10,004
WB 336+50 - 342+31	LT	--	1,130	2,360
DWY 48+50 - 49+25	LT/RT	--	224	--
CC 48+00 - 49+50	LT/RT	--	536	--
NV 44+50 - 49+00	LT/RT	81	1,461	--
UNDISTRIBUTED	N/A	3	398	--
STAGE 2 SUBTOTAL		**94**	**13,675**	**18,643**
STAGE 3				
WB 284+75 - 288+50	RT	--	968	2,020
WB 288+50 - 289+75	RT	--	339	692
WB 289+75 - 305+25*	RT	69	896	125
WB 305+25 - 331+00*	RT	196	1,415	152
WB 331+00 - 336+50	RT	12	1,165	2,297
WB 336+50 - 342+31	RT	--	1,456	2,849
DWY 51+00 - 51+50	LT/RT	--	60	--
CC 50+50 - 52+75	LT/RT	33	898	--
NV 51+00 - 56+75	LT/RT	58	2,040	--
NV 58+75	LT	--	120	--
UNDISTRIBUTED	N/A	11	281	--
STAGE 3 SUBTOTAL		**379**	**9,638**	**8,135**
STAGE 4				
WB 284+75 - 288+75	MED	--	469	848
WB 288+75 - 305+25	MED	--	656	1,015
WB 305+25 - 336+50	MED	--	422	741
WB 336+75 - 342+50	MED	--	559	1,177
UNDISTRIBUTED	N/A	--	63	--
STAGE 4 SUBTOTAL		**--**	**2,169**	**3,781**
2788-00-72 TOTAL		**672**	**27,148**	**30,559**
CONSTRUCTION TOTAL		**1,274**	**53,728**	**56,240**

3

CONCRETE PAVEMENT

STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0260 CONCRETE DRIVEWAY HES 6-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT DOL	SPV.0105.01 CONCRETE PAVEMENT JOINT LAYOUT LS
CAT 0010									
PROJECT NO: 2788-02-70									
STAGE 1									
PROJECT	N/A	--	--	--	--	--	--	--	0.5
STAGE 1 SUBTOTAL		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**0.5**
STAGE 2									
WB 273+75 - 281+10	LT	3,095	--	--	--	--	--	929	--
WB 281+10 - 284+75	LT	2,739	1	--	--	--	--	822	--
US 39+25	LT	--	--	--	14	--	--	--	--
UNDISTRIBUTED	N/A	--	--		--	--	4	--	--
STAGE 2 SUBTOTAL		**5,834**	**1**	**--**	**14**	**--**	**4**	**1,751**	**--**
STAGE 3									
WB 273+75 - 280+90	RT	3,459	--	--	--	--	--	1,038	--
WB 280+90 - 284+75	RT	3,077	1	--	--	--	--	923	--
US 60+07	RT	--	--	--	--	62	--	--	--
STAGE 3 SUBTOTAL		**6,536**	**1**	**--**	**--**	**62**	**--**	**1,961**	**--**
STAGE 4									
WB 273+75 - 281+00	MED	1,328	--	72	--	--	--	398	--
WB 277+00 - 284+75	MED	331	--	387	--	--	--	100	--
STAGE 4 SUBTOTAL		**1,659**	**--**	**459**	**--**	**--**	**--**	**498**	**--**
2788-02-70 TOTAL		**14,029**	**2**	**459**	**14**	**62**	**4**	**4,209**	**0.5**

CONCRETE PAVEMENT (CONT.)

STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0260 CONCRETE DRIVEWAY HES 6-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT DOL	SPV.0105.01 CONCRETE PAVEMENT JOINT LAYOUT LS
CAT 0010									
PROJECT NO: 2788-00-72									
STAGE 1									
PROJECT	N/A	--	--	--	--	--	--	--	0.5
STAGE 1 SUBTOTAL		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**0.5**
STAGE 2									
WB 284+75 - 288+50	LT	1,678	1	189	--	--	--	503	--
WB 288+50 - 305+25	LT	6,597	1	598	--	--	--	1,979	--
WB 305+25 - 336+50	LT	12,472	--	494	--	--	--	3,742	--
WB 336+50 - 342+50	LT	2,526	--	--	--	--	--	758	--
NV 44+75	LT	--	--	--	12	--	--	--	--
NV 46+50	RT	--	--	--	41	--	--	--	--
NV 46+75	LT	--	--	--	--	16	--	--	--
NV 48+00	LT	--	--	--	79	--	--	--	--
NV 48+00	RT	--	--	--	47	--	--	--	--
UNDISTRIBUTED	N/A	--	--	--	--	--	6	--	--
STAGE 2 SUBTOTAL		**23,274**	**2**	**1,281**	**179**	**16**	**6**	**6,982**	**--**
STAGE 3									
WB 284+75 - 288+50	RT	2,109	--	--	--	--	--	633	--
WB 288+50 - 305+25	RT	6,876	--	--	--	--	--	2,063	--
WB 305+25 - 336+50	RT	10,992	--	--	--	--	--	3,298	--
WB 336+75 - 342+50	RT	3,109	--	--	--	--	--	933	--
CC 51+75	LT	--	--	--	63	--	--	--	--
CC 52+50	LT	--	--	--	31	--	--	--	--
NV 52+75	LT	--	--	--	12	--	--	--	--
UNDISTRIBUTED	N/A	--	--		--	--	8	--	--
STAGE 3 SUBTOTAL		**23,086**	**--**	**--**	**107**	**--**	**8**	**6,927**	**--**
STAGE 4									
WB 284+75 - 288+50	MED	612	--	76	--	--	--	184	--
WB 288+50 - 293+86	MED	592	--	49	--	--	--	178	--
WB 300+00 - 305+25	MED	563	--	70	--	--	--	169	--
WB 305+25 - 336+50	MED	561	--	64	--	--	--	168	--
WB 336+75 - 342+50	MED	738	--	143	--	--	--	221	--
STAGE 4 SUBTOTAL		**3,067**	**--**	**402**	**--**	**--**	**--**	**920**	**--**
2788-00-72 TOTAL		**49,427**	**2**	**1,683**	**286**	**16**	**14**	**14,829**	**0.5**
CONSTRUCTION TOTAL		**63,456**	**4**	**2,142**	**300**	**77**	**18**	**19,038**	**1**

INCENTIVE IRI RIDE

STATION	LOCATION	440.4410 INCENTIVE IRI RIDE DOL
CAT 0010		
PROJECT NO: 2788-02-70		
STAGE 2		
WB 273+75 - 284+75	LT	1,051
STAGE 2 SUBTOTAL		**1,051**
STAGE 3		
WB 273+75 - 284+75	RT	1,023
STAGE 3 SUBTOTAL		**1,023**
STAGE 4		
WB 273+75 - 281+75	LT/RT	303
WB 283+15 - 284+75	LT/RT	61
STAGE 4 SUBTOTAL		**364**
2788-02-70 TOTAL		**2,438**
PROJECT NO: 2788-00-72		
STAGE 2		
WB 284+75 - 342+32	LT	6,393
STAGE 2 SUBTOTAL		**6,393**
STAGE 3		
WB 284+75 - 342+32	RT	5,166
STAGE 3 SUBTOTAL		**5,166**
STAGE 4		
WB 284+75 - 294+00	LT/RT	350
WB 300+10 - 310+10	LT/RT	379
WB 336+70 - 342+32	LT/RT	213
STAGE 4 SUBTOTAL		**942**
2788-00-72 TOTAL		**12,502**
CONSTRUCTION TOTAL		**14,939**

HMA PAVEMENTS AND MATERIALS

STATION	LOCATION	455.0605 TACK COAT GAL	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
CAT 0010							
PROJECT NO: 2788-02-70							
STAGE 2							
WB 278+75 - 281+00	LT	4	13	11	9	--	--
FC 48+25 - 49+25	LT/RT	11	41	--	--	38	25
US 38+50 - 48+50	LT/RT	297	1,202	--	--	1,196	683
TU 8+87 - 9+56	LT/RT	20	75	--	--	71	47
TO 10+43 - 11+90	LT/RT	31	113	--	--	106	71
STAGE 2 SUBTOTAL		**364**	**1,444**	**11**	**9**	**1,410**	**826**
STAGE 3							
FC 50+75 - 51+53	LT/RT	10	38	--	--	36	24
US 51+50 - 62+50	LT/RT	409	1,655	--	--	1,645	940
DWY 8+50 - 9+56	LT/RT	16	60	--	--	57	38
DWY 10+44 - 11+39	LT/RT	28	104	--	--	97	65
STAGE 3 SUBTOTAL		**464**	**1,857**	**--**	**--**	**1,835**	**1,067**
2788-02-70 TOTAL		**827**	**3,301**	**11**	**9**	**3,245**	**1,893**
PROJECT NO: 2788-00-72							
STAGE 2							
DWY 48+50 - 49+25	LT/RT	15	54	--	--	50	34
CC 48+00 - 49+50	LT/RT	36	133	--	--	125	83
NV 44+50 - 49+00	LT/RT	104	384	--	--	360	240
STAGE 2 SUBTOTAL		**155**	**571**	**--**	**--**	**535**	**357**
STAGE 3							
WB 291+50 - 301+75	RT	28	81	71	56	--	--
WB 306+25 - 332+50	RT	85	252	221	172	--	--
DWY 51+00 - 51+15	RT	3	13	--	--	12	8
CC 50+50 - 52+75	LT/RT	60	221	--	--	207	138
NV 51+00 - 56+65	LT/RT	141	519	--	--	487	324
STAGE 3 SUBTOTAL		**318**	**1,086**	**293**	**228**	**706**	**471**
2788-00-72 TOTAL		**473**	**1,657**	**293**	**228**	**1,241**	**827**
CONSTRUCTION TOTAL		**1,300**	**4,958**	**304**	**236**	**4,486**	**2,720**

3

ASPHALTIC SURFACES

STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	SPV.0195.01 COLD PATCH TON
CAT 0010					
PROJECT NO: 2788-02-70					
STAGE 1					
WB 264+00 - 272+85	RT	236	--	--	--
WB 275+25 - 282+00	RT	--	--	423	--
WB 282+75 - 284+75	RT	--	--	87	--
US 41+50 - 49+75	LT	--	--	320	--
US 48+00 - 49+50	LT	--	--	37	--
US 50+50 - 54+00	RT	--	--	98	--
US 50+50 - 60+50	RT	--	--	581	--
UNDISTRIBUTED	N/A	--	--	387	10
STAGE 1 SUBTOTAL		**236**	**--**	**1,934**	**10**
STAGE 2					
WB 266+58 - 273+75	LT	339	--	--	--
WB 277+00 - 284+75	LT/RT	--	--	376	--
WB 271+00	LT	--	28	--	--
US 39+25	LT	--	11	--	--
US 44+25 - 49+50	LT	--	--	145	--
STAGE 2 SUBTOTAL		**339**	**39**	**521**	**--**
STAGE 3					
WB 264+66- 273+75	RT	151	--	--	--
WB 269+88 - 270+56	RT	--	17	--	--
WB 273+75 - 274+10	SUP RT	7	--	--	--
WB 274+50 - 281+75	SUP RT	123	--	--	--
WB 283+00 - 284+50	SUP RT	31	--	--	--
US 50+50 - 52+50	LT	--	--	--	--
US 60+07	RT	--	50	--	--
US 64+50 - 86+50	LT	--	--	100	--
STAGE 3 SUBTOTAL		**311**	**67**	**100**	**--**
STAGE 4					
		11	--	--	--
STAGE 4 SUBTOTAL		**11**	**--**	**--**	**--**
2788-02-70 TOTAL		**896**	**106**	**2,555**	**10**

ASPHALTIC SURFACES (CONT.)

STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	SPV.0195.01 COLD PATCH **TON**
CAT 0010					
PROJECT NO: 2788-00-72					
STAGE 1					
WB 284+75 - 286+50	RT	--	--	32	--
WB 335+00 - 340+25	RT	--	--	403	--
WB 340+75 - 342+31	RT	--	--	273	--
UNDISTRIBUTED	N/A	--	--	177	10
STAGE 1 SUBTOTAL		**--**	**--**	**884**	**10**
STAGE 2					
WB 284+75 - 287+25	LT	--	--	27	--
WB 336+25 - 342+31	LT	--	--	128	--
NV 44+75	LT	--	7	--	--
NV 46+75	LT	--	3	--	--
STAGE 2 SUBTOTAL		**--**	**10**	**154**	**--**
STAGE 3					
WB 284+75 - 288+50	SUP RT	62	--	--	--
WB 289+00 - 290+50	SUP RT	23	--	--	--
WB 302+75 - 305+00	SUP RT	36	--	--	--
WB 305+50 - 306+80	SUP RT	20	--	--	--
WB 320+92 - 331+11	SUP RT	12	--	--	--
WB 332+50 - 340+00	SUP RT	136	--	--	--
WB 340+75 - 342+25	SUP RT	28	--	--	--
STAGE 3 SUBTOTAL		**317**	**--**	**--**	**--**
2788-00-72 TOTAL		**317**	**10**	**1,039**	**10**
CONSTRUCTION TOTAL		**1,213**	**116**	**3,594**	**20**

NOTE: SUP = SHARED USE PATH

CULVERT PIPE ITEMS

STATION	LOCATION	520.3318 Culvert Pipe Class III-A 18-Inch LF	521.0112 Culvert Pipe Corrugated Steel 12-Inch LF	521.0118 Culvert Pipe Corrugated Steel 18-Inch LF	521.0717 Pipe Arch Corrugated Steel 17x13-Inch LF	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch LF	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch LF	522.0148 Culvert Pipe Reinforced Concrete Class III 48-Inch LF	522.0160 Culvert Pipe Reinforced Concrete Class III 60-Inch LF	522.0172 Culvert Pipe Reinforced Concrete Class III 72-Inch LF	522.0330 Culvert Pipe Reinforced Concrete Class IV 30-Inch LF	523.0419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch LF
CATEGORY CODE 0010												
PROJECT 2788-02-70												
279+82	AL_WB										160	
44+52	AL_US								175			
44+62	AL_US								175			
51+00	AL_FC											56
51+06	AL_FC											56
10+82	AL_TO						86					
PROJECT 2788-02-70 SUBTOTALS		0	0	0	0	0	86	0	350	0	160	112
PROJECT 2788-00-72												
270+10, RT	AL_WB	20										
270+37, RT	AL_WB	25										
289+67, LT	AL_WB							107				
289+76, LT	AL_WB									109		
289+86, LT	AL_WB							109				
292+73, LT	AL_WB					14						
324+82, RT	AL_WB		67									
44+77, LT	AL_NV				26							
45+04, RT	AL_NV				36							
52+77, LT	AL_NV			58								
PROJECT 2788-00-72 SUBTOTALS		45	67	58	62	14	0	216	0	109	0	0
	TOTALS	**45**	**67**	**58**	**62**	**14**	**86**	**216**	**350**	**109**	**160**	**112**

CULVERT PIPE ITEMS (CONT)

STATION	LOCATION	520.8000* Concrete Collars for Pipe EACH	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch EACH	521.1018* Apron Endwalls for Culvert Pipe Steel 18-Inch EACH	521.1217 Apron Endwalls for Pipe Arch Steel 17x13-Inch EACH	522.1018* Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH	522.1030* Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch EACH	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch EACH	523.0519 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch EACH	633.5200* Markers Culvert End EACH	650.6000 Construction Staking Pipe Culverts EACH	ALUMINUM THICKNESS (INCHES)	STEEL THICKNESS (INCHES)	** JOINT TIES EACH
CATEGORY CODE 0010														
PROJECT 2788-02-70														
279+82	AL_WB						2			2	1			8
44+52	AL_US							2		2	1			8
44+62	AL_US							2		2	1			8
51+00	AL_FC								2		1			8
51+06	AL_FC								2		1			8
10+82	AL_TO						2			2	1			8
PROJECT 2788-02-70 SUBTOTALS		0	0	0	0	0	4	4	4	8	6			
PROJECT 2788-00-72														
270+10, RT	AL_WB													
270+37, RT	AL_WB													
289+67, LT	AL_WB	1												
289+76, LT	AL_WB	1												
289+86, LT	AL_WB	1												
292+73, LT	AL_WB						2			2	1			8
324+82, RT	AL_WB		2							2	1		0.064	
44+77, LT	AL_NV				2								0.064	
45+04, RT	AL_NV				2								0.064	
52+77, LT	AL_NV			2									0.064	
PROJECT 2788-00-72 SUBTOTALS		3	2	2	4	2	0	0	0	4	2			
	TOTALS	**3**	**2**	**2**	**4**	**2**	**4**	**4**	**4**	**12**	**8**			

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

** NON-BID ITEM: FOR INFORMATION ONLY

CULVERT PIPE

STATION	LOCATION	520.8000* CONCRETE COLLARS FOR PIPE EACH	520.5115 CULVERT PIPE CLASS V 15-INCH LF	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	521.1015 APRON ENDWALL FOR CULVERT PIPE STEEL 15-INCH EACH	521.1018* APRON ENDWALL FOR CULVERT PIPE STEEL 18-INCH EACH	521.1024 APRON ENDWALL FOR CULVERT PIPE STEEL 24-INCH EACH
CAT 0010								
PROJECT NO: 2788-02-70								
STAGE 1								
WB 280+27	RT	1	20	--	--	1	--	
US 50+91	RT	1	--	--	20	--	--	1
US 57+34 - 59+80	RT	3	--	252	--	--	--	
US 60+38 - 60+50	RT	1	--	9	--	--	1	
STAGE 1 SUBTOTAL		**6**	**20**	**261**	**20**	**1**	**1**	**1**
STAGE 2								
WB 280+16	LT	1	40	--	--	1	--	
STAGE 2 SUBTOTAL		**1**	**40**	**--**	**--**	**1**	**--**	**--**
2788-02-70 TOTAL		**7**	**60**	**261**	**20**	**2**	**1**	**1**
PROJECT NO: 2788-00-72								
STAGE 1								
WB 340+89	RT	1	--	26	--	--	1	--
STAGE 1 SUBTOTAL		**1**	**--**	**26**	**--**	**--**	**1**	**--**
2788-00-72 TOTAL		**1**	**--**	**26**	**--**	**--**	**1**	**--**
CONSTRUCTION TOTAL		**8**	**60**	**287**	**20**	**2**	**2**	**1**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CLEANING CULVERT PIPES

STATION	LOCATION	520.8700 EACH
CATEGORY CODE 0010		
PROJECT 2788-02-70		
276'WB'+08	LT	1
38'US'+88	LT	1
PROJECT 2788-02-70 SUBTOTAL		2
PROJECT 2788-00-72		
292'WB'+98	RT	1
297'WB'+49	RT	1
307'WB'+49	RT	1
312'WB'+49	RT	1
322'WB'+01	RT	1
326'WB'+48	RT	1
PROJECT 2788-00-72 SUBTOTAL		6
TOTAL		**8**

PIPE UNDERDRAIN

STATION	LOCATION	310.0110 * BASE AGGREGATE OPEN GRADED TON	612.0406 * PIPE UNDERDRAIN WRAPPED 6-INCH LF	612.0806 * AEW FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	SPV.0060.25 CONNECTION TO EXISTING PIPE UNDERDRAIN EACH
CAT 0010					
PROJECT NO: 2788-00-72					
STAGE 3					
WB 290+43	LT	22	55	1	1
WB 294+47	LT	25	62	1	1
WB 297+98	LT	28	68	1	1
WB 320+75	LT	24	58	1	1
WB 324+62	LT	30	73	1	1
STAGE 3 SUBTOTAL		**129**	**316**	**5**	**5**
2788-00-72 TOTAL		**129**	**316**	**5**	**5**
CONSTRUCTION TOTAL		**129**	**316**	**5**	**5**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CURB AND GUTTER ITEMS

STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	601.0600 CONCRETE CURB PEDESTRIAN LF
CAT 0010								
PROJECT NO: 2788-02-70								
STAGE 1								
		--	--	--	--	--	--	--
STAGE 1 SUBTOTAL		**--**	**--**	**--**	**--**	**--**	**--**	**--**
STAGE 2								
WB 273+75 - 274+50	LT	--	--	--	--	125	--	--
WB 274+75 - 275+25	LT	--	--	--	--	90	--	--
WB 283+00 - 283+75	PKCP LT	--	--	--	--	141	--	--
FC 48+40 - 48+75	RT	--	--	--	33	--	--	--
FC 48+40 - 48+75	LT	--	--	--	33	--	--	--
US 40+50 - 43+00	RT	--	--	--	--	--	305	--
US 38+50 - 43+00	LT	--	--	--	--	--	480	--
US 43+00 - 48+50	LT	--	--	--	63	--	690	--
US 43+00 - 49+75	MED	--	--	--	--	--	1,163	--
US 43+00 - 48+50	RT	--	--	--	78	--	670	--
STAGE 2 SUBTOTAL		**--**	**--**	**--**	**207**	**356**	**3,308**	**--**
STAGE 3								
WB 273+75 - 274+50	RT	--	--	--	--	82	--	--
WB 274+50 - 282+00	RT	--	--	--	--	733	--	--
WB 281+25 - 282+00	PKCP RT	--	--	--	--	142	--	--
WB 283+75 - 284+75	RT	--	--	--	--	219	--	--
US 51+50 - 56+00	RT	--	--	--	50	--	478	--
US 52+00 - 56+00	LT	--	--	--	45	--	522	--
US 50+75 - 56+00	MED	--	--	--	--	--	1,003	--
US 56+25 - 62+25	RT	--	--	--	77	--	603	--
US 56+50 - 57+00	LT	--	--	--	52	--	78	--
US 56+50 - 56+60	LT	--	--	--	--	--	--	8
US 59+37 - 60+40	RT	104	--	--	--	--	--	--
STAGE 3 SUBTOTAL		**104**	**--**	**--**	**224**	**1,176**	**2,684**	**8**
STAGE 4								
WB 275+00 - 281+75	MED	--	--	--	--	1,317	--	--
WB 283+25 - 284+75	MED	--	--	--	--	316	--	--
STAGE 4 SUBTOTAL		**--**	**--**	**--**	**--**	**1,633**	**--**	**--**
2788-02-70 TOTAL		**104**	**--**	**--**	**431**	**3,165**	**5,992**	**8**

(CONTINUED ON NEXT SHEET)

CURB AND GUTTER ITEMS (CONT.)

STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	601.0600 CONCRETE CURB PEDESTRIAN LF
CAT 0010								
PROJECT NO: 2788-00-72								
STAGE 2								
WB 287+00 - 288+50	MED	--	--	--	--	98	--	--
WB 287+25 - 288+50	LT	--	--	--	--	111	--	--
WB 288+75 - 304+75	LT	--	--	--	--	1,664	--	--
WB 294+00 - 304+75	MED	--	--	--	--	1,091	--	--
WB 305+50 - 340+50	LT	--	--	444	--	3,108	--	--
WB 310+25 - 336+50	MED	--	--	--	--	2,642	--	--
WB 340+75 - 341+50	PRKCP LT	--	138	--	--	--	--	--
WB 341+00 - 342+31	LT	--	--	127	--	--	--	--
DWY 48+25 - 49+25	LT	--	--	--	118	--	--	--
DWY 48+25 - 49+25	RT	--	--	--	67	--	--	--
CC 48+00 - 49+00	LT	--	--	--	109	--	--	--
CC 48+00 - 49+25	RT	--	--	--	107	--	--	--
CC 48+50 - 49+50	MED	--	--	--	123	--	--	--
NV 44+50 - 48+00	LT	--	--	--	434	--	--	--
NV 45+50 - 48+00	RT	--	--	--	325	--	--	--
STAGE 2 SUBTOTAL		**--**	**138**	**571**	**1,283**	**8,714**	**--**	**--**
STAGE 3								
WB 284+75 - 288+50	RT	--	--	--	--	403	--	--
WB 284+75 - 285+50	MED	--	--	--	--	79	--	--
WB 288+00 - 288+10	RT	--	--	--	--	--	--	8
WB 289+00 - 292+00	RT	--	--	--	--	417	--	--
WB 289+50 - 300+25	MED	--	--	--	--	1,068	--	--
WB 301+50 - 305+00	RT	--	--	--	--	341	--	--
WB 305+50 - 306+00	RT	--	--	--	--	69	--	--
WB 305+75 - 336+75	MED	--	--	--	--	3,088	--	--
WB 332+50 - 340+00	RT	--	--	395	--	350	--	--
WB 339+50 - 340+25	PRKCP RT	--	137	--	--	--	--	--
WB 340+75 - 342+31	RT	--	--	226	--	--	--	--
DWY 50+75 - 51+15	MED	72	--	--	--	--	--	--
DWY 51+25 - 51+50	RT	--	--	--	35	--	--	--
CC 50+50 - 52+75	LT	--	--	--	182	--	--	--
CC 50+50 - 52+75	RT	--	--	--	182	--	--	--
CC 50+75 - 52+00	MED	--	--	--	213	--	--	--
NV 51+00 - 54+50	LT	--	--	--	311	--	--	--
NV 51+00 - 55+00	RT	--	--	--	364	--	--	--
STAGE 3 SUBTOTAL		**72**	**137**	**621**	**1,287**	**5,815**	**--**	**8**
STAGE 4								
WB 284+75 - 288+25	MED	--	--	--	--	521	--	--
WB 289+25 -293+75	MED	--	--	--	--	478	--	--
WB 300+00 - 304+75	MED	--	--	--	--	468	--	--
WB 305+75- 310+25	MED	--	--	--	--	450	--	--
WB 336+50 - 340+00	MED	--	--	--	--	669	--	--
WB 339+75 - 340+25	SPLIT	--	--	69	--	--	--	--
WB 341+10 - 342+31	MED	--	--	231	--	--	--	--
STAGE 4 SUBTOTAL		**--**	**--**	**300**	**--**	**2,586**	**--**	**--**
2788-00-72 TOTAL		**72**	**275**	**1,492**	**2,570**	**17,115**	**--**	**8**
CONSTRUCTION TOTAL		**176**	**275**	**1,492**	**3,001**	**20,280**	**5,992**	**16**

SIDEWALK AND MEDIAN

STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
CAT 0010				
PROJECT NO: 2788-02-70				
STAGE 2				
WB 283+00 - 283+75	PKCP LT	644	30	51
FC 48+25 - 49+50	LT	700	20	--
FC 48+25 - 49+50	RT	882	20	--
US 40+50 - 43+00	RT	1,233	18	--
US 39+50 - 43+00	LT	1,703	15	--
US 43+50 - 49+00	LT	2,844	40	--
US 43+50 - 49+50	MED	3,509	20	131
US 43+50 - 49+50	RT	2,346	55	--
STAGE 2 SUBTOTAL		**13,861**	**218**	**182**
STAGE 3				
WB 273+90	RT	49	10	--
WB 274+25	RT	128	45	--
WB 274+75	RT	105	30	--
WB 274+90	RT	77	10	--
WB 281+25 - 282+00	PKCP RT	653	60	51
US 50+75 - 56+00	LT	2,925	65	--
US 51+00	RT	97	20	--
US 51+00 - 56+00	RT	2,464	20	--
US 50+75 - 56+00	MED	3,044	--	63
US 56+50 - 57+00	LT	582	10	--
US 56+50 - 62+50	RT	3,324	45	--
STAGE 3 SUBTOTAL		**13,448**	**315**	**114**
STAGE 4				
WB 275+00 - 281+75	MED	3,562	--	70
WB 283+25 - 284+75	MED	1,038	--	25
STAGE 4 SUBTOTAL		**4,600**	**--**	**95**
2788-02-70 TOTAL		**31,909**	**533**	**391**

SIDEWALK AND MEDIAN (CONT.)

STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
CAT 0010				
PROJECT NO: 2788-00-72				
STAGE 2				
WB 287+40 - 288+50	LT	508	10	--
WB 288+90 - 304+90	LT	8,019	30	--
WB 305+75 - 340+50	LT	17,501	40	--
WB 340+ 75 - 341+50	LT PKCHP	618	30	30
WB 341+90 - 342+31	LT	610	--	--
CC 48+50 - 49+50	LT/MED/RT	1,973	20	168
NV 46+40 - 49+00	RT	1,160	10	--
NV 46+75 - 49+25	LT	910	--	--
STAGE 2 SUBTOTAL		**31,299**	**140**	**198**
STAGE 3				
WB 339+50 - 340+25	RT PKCHP	615	50	30
WB 341+00	RT	130	15	--
DWY 50+75	LT	148	60	--
DWY 50+75	RT	118	45	--
DWY 50+75	MED	--	--	15
DWY 50+75 - 51+50	RT	398	--	--
CC 50+50 - 50+75	LT	129	10	--
CC 50+50 - 50+75	RT	82	10	--
CC 50+75	LT	77	20	--
CC 50+75	RT	154	20	--
CC 50+75 - 52+00	MED	747	40	168
CC 50+75 - 52+75	LT	794	--	--
CC 50+75 - 52+75	RT	975	--	--
NV 50+40 - 52+60	LT	1,213	--	--
NV 50+60	LT	114	20	--
NV 51+10	RT	122	45	--
NV 51+25 - 55+00	RT	2,150	--	--
STAGE 3 SUBTOTAL		**7,966**	**335**	**213**
STAGE 4				
WB 284+50 - 288+25	MED	1,835	--	41
WB 289+25 - 292+75	MED	1,778	--	40
WB 301+25 - 304+25	MED	1,821	--	45
WB 305+75 - 309+40	MED	1,888	--	45
WB 339+50 - 339+90	MED	311	--	26
WB 339+90 - 340+25	SPLIT	189	20	77
WB 341+10 - 342+31	MED	566	--	46
STAGE 4 SUBTOTAL		**8,388**	**20**	**320**
2788-00-72 TOTAL		**47,654**	**495**	**731**
CONSTRUCTION TOTAL		**79,563**	**1,028**	**1,122**

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RIPRAP AND GEOTEXTILE FABRIC ITEMS

STATION - STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	SPV.0035.21 FIELD STONE RIPRAP MEDIUM CY	SPV.0035.22 FIELD STONE RIPRAP HEAVY CY	COMMENTS
CATEGORY CODE 0010							
PROJECT 2788-02-70							
273'WB'+59	LT	2	--	4	--	--	CONC SURF DRAIN
273'WB'+75	RT	3	--	6	--	--	SS OUTFALL
274'WB'+80	RT	6	--	12	--	--	CULVERT END
275'WB'+31	LT	5	--	10	--	--	SS OUTFALL
276'WB'+08	LT	2	--	5	--	--	SS OUTFALL
279'WB'+82	LT	7	--	14	--	--	CULVERT END
284'WB'+52	LT	3	--	6	--	--	SS OUTFALL
40'US'+28	LT	5	--	9	--	--	SS OUTFALL
42'US'+95	RT	--	--	25	13	--	FLUME
43'US'+72	LT	9	--	18	--	--	CULVERT END
44'US'+14	RT	--	--	44	--	29	CULVERT END/ PEBBLE CREEK
44'US'+99	LT	--	--	24	--	16	CULVERT END/ PEBBLE CREEK
52'US'+95	RT	4	--	9	--	--	SS OUTFALL
57'US'+01 - 59'US'+25	LT	123	--	247	--	--	DITCH BOTTOM
UNDISTRIBUTED		43	--	104	2	10	
PROJECT 2788-02-70 SUBTOTALS		212	--	537	15	55	
PROJECT 2788-00-72							
284'WB'+73	LT	2	--	4	--	--	CONC SURF DRAIN
289'WB'+27	LT	--	30	45	--	--	CULVERT END/ PEBBLE CREEK
291'WB'+25 - 292'WB'+00	LT	43	--	87	--	--	DITCH BOTTOM
292'WB'+86	LT	4	--	9	--	--	HIGH FLOW RELIEF
295'WB'+50	LT	12	--	25	--	--	SS OUTFALL
297'WB'+00 - 298'WB'+19	LT	67	--	134	--	--	DITCH BOTTOM
301'WB'+60	RT	2	--	4	--	--	CONC SURF DRAIN
304'WB'+41	RT	3	--	7	--	--	SS OUTFALL
323'WB'+07	LT	24	--	47	--	--	SS OUTFALL
323'WB'+90 - 324'WB'+50	LT	27	--	53	--	--	DITCH BOTTOM
324+58	RT	3	--	6	--	--	CULVERT END/ POND OUTFALL
325'WB'+00	RT	17	--	33	--	--	SS OUTFALL/ FLUME
325'WB'+57 - 331'WB'+50	RT	338	--	676	--	--	DITCH BOTTOM
325'WB'+54 - 326'WB'+03	LT	21	--	41	--	--	SS OUTFALL
329'WB'+00 - 331'WB'+75	LT	122	--	244	--	--	SIDE SLOPE TREATMENT
331'WB'+87	LT	7	--	13	--	--	SS OUTFALL
332'WB'+38	RT	2	--	4	--	--	CONC SURF DRAIN
334'WB'+00	RT	6	--	13	--	--	SS OUTFALL
337'WB'+00	RT	7	--	14	--	--	SS OUTFALL
338'WB'+50	RT	5	--	11	--	--	SS OUTFALL
44'NV'+52	LT	2	--	4	--	--	CONC SURF DRAIN
45'NV'+48	RT	2	--	4	--	--	CONC SURF DRAIN
50'NV'+92	LT	3	--	7	--	--	SS OUTFALL
53'NV'+07	LT	4	--	9	--	--	CULVERT END
53'NV'+50	LT	4	--	7	--	--	SS OUTFALL
54'NV'+44	LT	2	--	4	--	--	CONC SURF DRAIN
55'NV'+06	RT	4	--	7	--	--	CONC SURF DRAIN
UNDISTRIBUTED		190	5	371	--	--	
PROJECT 2788-00-72 SUBTOTALS		938	35	1,913	--	--	
	TOTALS	**1,150**	**35**	**2,450**	**15**	**55**	

COVER PLATES TEMPORARY

STATION	611.8120.S EACH
CATEGORY CODE 0010	
PROJECT 2788-02-70	
UNDISTRIBUTED	5
PROJECT 2788-02-70 SUBTOTAL	5
PROJECT 2788-00-72	
UNDISTRIBUTED	25
PROJECT 2788-00-72 SUBTOTAL	25
TOTAL	**30**

PIPE UNDERDRAIN ITEMS

STATION	LOCATION	310.0110* BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0406* PIPE UNDERDRAIN WRAPPED 6-INCH LF	612.0806* AEW FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	COMMENTS
CATEGORY CODE 0010							
PROJECT 2788-02-70							
273'WB'+75	LT	--	--	6	50	--	CONNECT TO SS 250.2
273'WB'+75	LT	--	--	6	50	--	CONNECT TO SS 250.3
273'WB'+75	RT	--	--	6	50	--	CONNECT TO SS 250.4
45'US'+00	LT	--	--	6	50	--	CONNECT TO SS 890.1
45'US'+00	LT	--	--	6	50	--	CONNECT TO SS 890.2
45'US'+00	LT	--	--	6	50	--	CONNECT TO SS 890.3
45'US'+00	RT	--	--	6	50	--	CONNECT TO SS 890
PROJECT 2788-02-70 SUBTOTALS		--	--	42	350	--	
PROJECT 2788-00-72							
287'WB'+99	RT	--	--	6	50	--	CONNECT TO SS 330.1
288'WB'+05	LT	--	--	6	50	--	CONNECT TO SS 380.9
288'WB'+14	LT	--	--	6	50	--	CONNECT TO SS 380.4
288'WB'+14	LT	--	--	6	50	--	CONNECT TO SS 380.5
321'WB'+98	LT	--	--	6	50	--	CONNECT TO SS 530.1
321'WB'+98	LT	--	--	6	50	--	CONNECT TO SS 530.2
321'WB'+98	RT	--	--	6	50	--	CONNECT TO SS 530.3
329'WB'+00 - 331'WB'+75	LT	40	275	--	--	1	--
PROJECT 2788-00-72 SUBTOTALS		40	275	42	350	1	
	TOTALS	**40**	**275**	**84**	**700**	**1**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER PIPES

FROM - TO	LOCATION	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	* JOINT TIES EACH
CATEGORY CODE 0010														
PROJECT 2788-02-70														
250 - 260	AL_WB									81				
250.1 - 250	AL_FC		19											
250.2 - 250	AL_WB			31										4
250.3 - 250	AL_WB	18												
260 - 270	AL_WB										39			4
260.1 - 260.2	AL_FC								37					
260.2 - 260	AL_FC								36					
260.6 - 260.1	AL_FC								7					
271.1 - 271	AL_FC								73					4
271.2 - 271.1	AL_FC								7					
271.3 - 271.2	AL_FC								39					
272.1 - 272	AL_WB									29				4
272.2 - 272.1	AL_WB								60					
272.3 - 272.2	AL_WB								7					
272.4 - 272.3	AL_WB								15					
272.5 - 272.1	AL_WB								15					
272.6 - 272.2	AL_WB								15					
275.1 - 275	AL_WB								54					4
275.2 - 275.1	AL_WB								9					
275.3 - 275.1	AL_WB								83					
275.4 - 275.3	AL_WB								7					
290.1 - 290	AL_WB									20				4
290.2 - 290.1	AL_WB									28				
290.3 - 290.2	AL_WB								38					
290.4 - 290.1	AL_WB		60											
290.5 - 290.4	AL_US								58					
290.6 - 290.5	AL_US								7					
290.7 - 290.5	AL_US								20					
300 - 310	AL_WB		167											
300.1 - 300	AL_US								20					
300.2 - 300.1	AL_US								20					
310.1 - 310	AL_WB								70					
310.2 - 310.1	AL_WB								9					
370.1 - 370	AL_WB		26											4
370.2 - 370.1	AL_WB								71					
370.3 - 370.2	AL_WB								22					
855.1 - 855	AL_US				108									4
860 - 870	AL_US												246	
860.1 - 860	AL_US											7		
870 - 880	AL_US												132	4
870.1 - 870	AL_WB									68				
870.2 - 870.1	AL_US								15					
870.3 - 870	AL_US		15											
870.4 - 870.3	AL_US		15											
890 - 900	AL_US									100				
890.1 - 890	AL_US									47				
890.2 - 890.1	AL_US									8				
890.3 - 890.2	AL_US									35				
890.4 - 890.3	AL_US								15					
890.5 - 890.1	AL_US								15					
900 - 895	AL_US				27									4
900.1 - 900	AL_US		73											
900.2 - 900.1	AL_US		8											
900.3 - 900.2	AL_US								35					
900.4 - 900.1	AL_US								125					
900.5 - 900.4	AL_WB								42					
920 - 910	AL_US				72									4
920.1 - 920	AL_US		17											
920.2 - 920.1	AL_US		10											
920.3 - 920.2	AL_US								48					
920.4 - 920.3	AL_US								15					
920.5 - 920.4	AL_US								15					
920.6 - 920.3	AL_US		20											
920.7 - 920.1	AL_US								25					
920.8 - 920	AL_WB								18					
930 - 920	AL_US				328									
930.1 - 930	AL_US				89									
930.2 - 930	AL_US								17					
940 - 930	AL_US				361									
940.1 - 940	AL_US								17					
950 - 940	AL_US			167										
950.1 - 950	AL_US			7										
PROJECT 2788-02-70 SUBTOTALS		18	430	205	985	0	0	0	1201	416	39	7	378	

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPES

FROM - TO	LOCATION	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	* JOINT TIES EACH
PROJECT 2788-00-72														
310 - 320	AL_WB			150										
320 - 325	AL_WB			202										
320.1 - 320	AL_WB		20											
320.2 - 320.1	AL_WB								50					
320.3 - 320.2	AL_WB								8					
325 - 330	AL_WB					31								
325.1 - 325	AL_WB										23			
325.2 - 325.1	AL_WB									60				
325.3 - 325.2	AL_WB									7				
325.4 - 325.3	AL_NV								21					
325.5 - 325.2	AL_WB								21					
330 - 340	AL_WB											72		
340 - 350	AL_WB					35								
350 - 360	AL_WB					51								4
350.1 - 350	AL_WB									26				
350.2 - 350.1	AL_WB								51					
350.3 - 350.2	AL_WB								5					
350.4 - 350.3	AL_WB								60					
350.5 - 350.4	AL_WB								20					
350.6 - 350.3	AL_WB								20					
380.1 - 380	AL_WB			16										4
380.2 - 380.1	AL_WB									24				
380.3 - 380.2	AL_WB			29										
380.4 - 380.3	AL_WB			34										
380.6 - 380.3	AL_WB		58											
400.1 - 400	AL_WB		26											4
400.2 - 400.1	AL_WB								49					
400.3 - 400.2	AL_WB								9					
405 - 405.1	AL_WB				301									
405.1 - 405.2	AL_WB				13									4
410.1 - 410	AL_WB		31											4
410.2 - 410.1	AL_WB								39					
410.3 - 410.2	AL_WB								19					
430 - 420	AL_WB					39								4
430.1 - 430	AL_WB								8					
430.2 - 430.1	AL_WB								39					
430.3 - 430.2	AL_WB								19					
440 - 430	AL_WB					300								
440.1 - 440	AL_WB		8											
440.2 - 440.1	AL_WB								39					
440.3 - 440.2	AL_WB								8					
440.4 - 440.3	AL_WB								56					
440.5 - 440.1	AL_WB								20					
440.6 - 440.3	AL_WB								22					
440.7 - 440	AL_WB		10											
460 - 440	AL_WB					325								
460.1 - 460	AL_CC_WEST		28											
460.2 - 460.1	AL_CC_WEST								31					
460.3 - 460.2	AL_CC_WEST								22					
460.4 - 460.3	AL_CC_WEST								46					
470 - 460	AL_WB											118		
470.1 - 470	AL_WB				21									
470.2 - 470	AL_WB		7											
470.3 - 470.2	AL_WB								63					
470.4 - 470.3	AL_WB								7					
470.5 - 470.2	AL_WB								20					
470.6 - 470.3	AL_WB								20					
470.7 - 470.6	AL_WB								7					
480 - 470	AL_WB				308									
480.1 - 480	AL_WB								7					
480.2 - 480.1	AL_WB								51					
480.3 - 480.2	AL_WB								7					
480.4 - 480	AL_WB		11											
490 - 480	AL_WB				350									
490.1 - 490	AL_WB								7					

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPES

FROM	-	TO	LOCATION	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	* JOINT TIES EACH
490.2	-	490.1	AL_WB								39					
490.3	-	490.2	AL_WB								19					
500.1	-	500	AL_CC_EAST			35										4
500.2	-	500.1	AL_CC_EAST									35				
500.3	-	500.2	AL_CC_EAST									9				
500.4	-	500.3	AL_CC_EAST									31				
500.5	-	500.4	AL_CC_EAST			26										4
500.6	-	500.4	AL_CC_EAST								35					
510	-	520	AL_WB				200									
510.1	-	510	AL_WB		10											
510.2	-	510.1	AL_WB								39					
510.3	-	510	AL_WB		10											
520	-	520.1	AL_WB				107									4
530	-	520	AL_WB				98									
530.1	-	530.2	AL_WB									39				
530.2	-	530	AL_WB									10				
530.3	-	530	AL_WB									10				
530.4	-	530.1	AL_NV								15					
530.5	-	530.2	AL_NV								15					
530.6	-	530.3	AL_NV								15					
530.7	-	530.1	AL_WB								15					
530.8	-	530.2	AL_WB								15					
530.9	-	530.3	AL_WB								15					
535	-	535.2	AL_WB							20						
535.1	-	535	AL_WB							50						4
540.1	-	540	AL_WB								91					4
540.2	-	540.1	AL_WB								19					
540.3	-	540.2	AL_WB								39					
560	-	550	AL_WB						33							4
570	-	560	AL_WB					212								
580	-	570	AL_WB					342								
580.1	-	580.3	AL_WB					10								4
580.2	-	580	AL_WB			22										
580.3	-	580	AL_WB					28								
590.1	-	590	AL_WB								88					4
590.2	-	590.1	AL_WB								19					
590.3	-	590.2	AL_WB								39					
600.1	-	600	AL_WB								78					4
600.2	-	600.1	AL_WB								19					
600.3	-	600.2	AL_WB								39					
610.1	-	610	AL_WB		41											4
610.2	-	610.1	AL_WB								39					
610.3	-	610.2	AL_WB								19					
610.4	-	610.3	AL_WB								39					
620.1	-	620	AL_WB		38											4
620.2	-	620.1	AL_WB								45					
620.3	-	620.2	AL_WB								19					
620.4	-	620.3	AL_WB								31					
630.1	-	630	AL_WB		35											4
630.2	-	630.1	AL_WB								104					
635.1	-	635	AL_NV			111										4
636.1	-	636	AL_NV								25					4
640.1	-	640	AL_WB			56										4
640.2	-	640.1	AL_WB									38				
640.3	-	640.2	AL_WB									6				
640.4	-	640.3	AL_WB									53				
640.5	-	640.4	AL_WB									20				
640.6	-	640.5	AL_WB								36					
640.7	-	640.5	AL_WB								58					
640.8	-	640.6	AL_NV								25					
640.9	-	640.8	AL_NV		119											
642	-	640.7	AL_WB								20					
PROJECT 2788-00-72 SUBTOTALS				0	452	681	1398	1373	33	70	1984	368	23	190	0	
			TOTALS	**18**	**882**	**886**	**2383**	**1373**	**33**	**70**	**3185**	**784**	**62**	**197**	**378**	

REMARKS

* NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET**	LOCATION	520.8000* Concrete Collars for Pipe EACH	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch EACH	522.1018* Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch EACH	522.1030* Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch EACH	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch EACH	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch EACH	611.0530 Manhole Covers Type J EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0630 Inlet Covers Type HM-GJ EACH	611.0633 Inlet Covers Type HM-GJ-S EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	611.0666 Inlet Covers Type Z EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.9800.S Pipe Grates EACH	633.5200* Markers Culvert End EACH	650.4000 Construction Staking Storm Sewer EACH	SPV.0060.23 Cover Plates EACH	SPV.0060.24 Inlets 5-FT Diameter EACH
CATEGORY CODE 0010																																
PROJECT 2788-02-70																																
250	274+06	67.5' LT	AL_WB								1									1										1		
250.1	274+12	49.3' LT	AL_WB												1										1					1		
250.2	273+75	67.7' LT	AL_WB			1																					1	1	1			
250.3	274+05	85.2' LT	AL_WB	1																												
260	274+87	75.5' LT	AL_WB											1																1		1
260.1	48+91	18.5' RT	AL_FC										1												1					1		
260.2	48+91	19' LT	AL_FC												1										1					1		
260.6	48+83	18.5' RT	AL_FC	1																												
270	275+25	78.4' LT	AL_WB				1																					1	1	1		
271	275+34	70' LT	AL_WB		1																							1	1	1		
271.1	275+25	2.3' RT	AL_WB											1											1					1		
271.2	275+25	9.7' RT	AL_WB											1											1					1		
271.3	275+25	48.3' RT	AL_WB											1											1					1		
272	273+75	86.7' RT	AL_WB			1																						1	1	1		
272.1	273+75	57.3' RT	AL_WB												1															1		1
272.2	273+75	2.3' LT	AL_WB												1															1		1
272.3	273+75	9.7' LT	AL_WB												1															1		1
272.4	273+60	9.7' LT	AL_WB																						1					1	1	
272.5	273+60	57.3' RT	AL_WB																						1					1	1	
272.6	273+60	2.3' LT	AL_WB																						1					1	1	
275	280+71	65' LT	AL_WB		1																							1	1	1		
275.1	280+80	11.5' LT	AL_WB											1											1					1		
275.2	280+80	2.3' LT	AL_WB											1											1					1		
275.3	281+63	13.7' LT	AL_WB											1											1					1		
275.4	281+63	6.7' LT	AL_WB											1											1					1		
290	280+91	102.5' RT	AL_WB			1																						1	1	1		
290.1	281+09	93.8' RT	AL_WB								1									1										1		
290.2	281+31	75.9' RT	AL_WB												1										1					1		
290.3	281+58	49' RT	AL_WB											1											1					1		
290.4	51+23	67.5' RT	AL_US												1										1					1		
290.5	50+94	17.7' RT	AL_US											1											1					1		
290.6	50+94	10.4' RT	AL_US											1											1					1		
290.7	51+14	17.4' RT	AL_US											1											1					1		
300	50+84	46.6' LT	AL_US											1											1					1		
300.1	51+04	44.3' LT	AL_US											1											1					1		
300.2	51+24	44.3' LT	AL_US											1											1					1		
310	284+50	80.9' RT	AL_WB															1								1				1		
310.1	284+50	11.2' RT	AL_WB											1											1					1		
310.2	284+50	2.3' RT	AL_WB											1											1					1		
370	284+50	82.3' LT	AL_WB		1																							1	1	1		
370.1	284+36	59.7' LT	AL_WB											1											1					1		
370.2	283+65	50.2' LT	AL_WB											1											1					1		
370.3	283+65	72.2' LT	AL_WB											1											1					1		
855	40+19	61.6' LT	AL_US				1																					1	1	1		
855.1	39+12	43.6' LT	AL_US															2								1				1		
860	40+09	43.5' RT	AL_US								1									1										1		
860.1	40+05	38.3' RT	AL_US	1																												
870	42+55	29.3' RT	AL_US								1									1										1		
870.1	42+52	38.1' LT	AL_US											1											1					1		
870.2	42+37	37.6' LT	AL_US											1											1					1		
870.3	42+49	42.4' RT	AL_US											1											1					1		
870.4	42+34	41.7' RT	AL_US											1											1					1		
880	43+78	77.9' RT	AL_US						1																			1	1	1		
890	45+00	44' RT	AL_US												1										1					1		
890.1	45+00	3.1' LT	AL_US												1										1					1		
890.2	45+00	11.4' LT	AL_US												1										1					1		
890.3	45+00	46.1' LT	AL_US												1										1					1		
890.4	45+15	46.1' LT	AL_US												1										1					1		
890.5	45+15	2.8' LT	AL_US												1										1					1		
895	45+90	75.9' RT	AL_US				1																					1	1	1		
900	46+00	51' RT	AL_US											1																1		1
900.1	46+50	2.3' LT	AL_US											1											1					1		
900.2	46+50	9.9' LT	AL_US											1											1					1		
900.3	46+50	44.5' LT	AL_US											1											1					1		
900.4	47+75	2.3' LT	AL_US											1											1					1		
900.5	47+75	44.3' LT	AL_US											1											1					1		
910	52+99	81.5' RT	AL_US				1																					1	1	1		
920	53+50	31' RT	AL_US								1									1										1		
920.1	53+50	13.7' RT	AL_US											1											1					1		
920.2	53+50	3.6' RT	AL_US											1											1					1		
920.3	53+50	44.3' LT	AL_US											1											1					1		
920.4	53+65	44.3' LT	AL_US											1											1					1		
920.5	53+80	44.3' LT	AL_US											1											1					1		
920.6	53+50	64.2' LT	AL_US									1											1							1		
920.7	53+75	12.8' RT	AL_US											1											1					1		
920.8	53+56	48.3' RT	AL_US											1											1					1		
930	56+76	27' RT	AL_US								1									1										1		
930.1	56+98	59.3' LT	AL_US															2								1				1		
930.2	56+76	44.3' RT	AL_US											1											1					1		
940	60+36	19.8' RT	AL_US								1									1										1		
940.1	60+36	37.1' RT	AL_US											1											1					1		
950	62+02	42.2' RT	AL_US								1									1										1		
950.1	62+09	41.6' RT	AL_US	1																												
	PROJECT 2788-02-70 SUBTOTALS			4	3	3	4	0	1	0	8	1	1	39	13	0	5	0	3	5	0	0	1	0	51	1	2	11	11	79	3	5

(CONTINUED ON NEXT SHEET)

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET NO:	E

FILE NAME : FD_030201_mq.ppt PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : July 31, 2016 ORIGINATOR : _____ PLOT SCALE : 1:1

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET**	LOCATION	520.8000* Concrete Collars for Pipe EACH	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch EACH	522.1018* Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch EACH	522.1030* Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch EACH	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch EACH	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch EACH	611.0530 Manhole Covers Type J EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0630 Inlet Covers Type HM-GJ EACH	611.0633 Inlet Covers Type HM-GJ-S EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	611.0666 Inlet Covers Type Z EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.9800.S Pipe Grates EACH	633.5200* Markers Culvert End EACH	650.4000 Construction Staking Storm Sewer EACH	SPV.0060.23 Cover Plates EACH	SPV.0060.24 Inlets 5-FT Diameter EACH
CATEGORY CODE 0010																															
PROJECT 2788-00-72																															
320	286+00	76.2' RT	AL_WB								1								1												1	
320.1	286+00	56.3' RT	AL_WB											1											1					1	
320.2	286+00	6.4' RT	AL_WB											1											1					1	
320.3	286+00	1.1' LT	AL_WB											1											1					1	
325	288+00	79.9' RT	AL_WB								1										1									1	
325.1	288+00	57.3' RT	AL_WB												1										1					1	
325.2	288+00	2.3' LT	AL_WB												1										1					1	
325.3	288+00	9.7' LT	AL_WB												1										1					1	
325.4	288+21	9' LT	AL_WB												1										1					1	
325.5	288+21	3.2' LT	AL_WB												1										1					1	
330	50+83	34.2' RT	AL_DW											1																1	1
340	50+81	37.8' LT	AL_DW											1																1	1
350	289+37	83.8' RT	AL_WB								1											1								1	
350.1	289+27	59.4' RT	AL_WB											1										1						1	
350.2	289+27	8' RT	AL_WB											1											1					1	
350.3	289+27	2.8' RT	AL_WB											1											1					1	
350.4	289+27	57.3' LT	AL_WB											1											1					1	
350.5	289+47	57.3' LT	AL_WB											1											1					1	
350.6	289+47	2.3' RT	AL_WB											1											1					1	
360	289+86	98.5' RT	AL_WB					1																				1	1	1		
380	48+56	26.8' LT	AL_DW			1																						1	1	1		
380.1	48+53	11.5' LT	AL_DW										1												1					1		
380.2	48+48	12.5' RT	AL_DW										1												1					1		
380.3	288+05	79.5' LT	AL_WB								1										1									1		
380.4	288+26	52.4' LT	AL_WB												1										1					1		
380.6	287+47	81' LT	AL_WB															2									1			1		
400	292+50	74.6' LT	AL_WB		1																							1	1	1		
400.1	292+50	48.3' LT	AL_WB											1											1					1		
400.2	292+50	0.7' RT	AL_WB											1											1					1		
400.3	292+50	9.7' RT	AL_WB											1											1					1		
405	292+82	77' LT	AL_WB															1								1				1		
405.1	289+84	88.2' LT	AL_WB								1										1									1		
405.2	289+75	96.6' LT	AL_WB				1																					1	1	1		
410	295+50	79.5' LT	AL_WB		1																							1	1	1		
410.1	295+50	48.3' LT	AL_WB											1											1					1		
410.2	295+50	9.7' LT	AL_WB											1											1					1		
410.3	295+50	9.7' RT	AL_WB											1											1					1		
420	298+22	83.3' LT	AL_WB					1																				1	1	1		
430	298+50	56' LT	AL_WB								1										1									1		
430.1	298+50	48.3' LT	AL_WB											1											1					1		
430.2	298+50	9.7' LT	AL_WB											1											1					1		
430.3	298+50	9.7' RT	AL_WB											1											1					1		
440	301+50	56' LT	AL_WB								1										1									1		
440.1	301+50	48.3' LT	AL_WB											1											1					1		
440.2	301+50	9.7' LT	AL_WB											1											1					1		
440.3	301+50	1.5' LT	AL_WB											1											1					1		
440.4	301+74	49.4' RT	AL_WB											1											1					1		
440.5	301+70	48.3' LT	AL_WB											1											1					1		
440.6	301+72	2.3' LT	AL_WB											1											1					1		
440.7	301+50	66.5' LT	AL_WB															1								1				1		
460	304+75	56.4' LT	AL_WB								1										1									1		
460.1	49+18	37.5' RT	AL_CC_WEST										1												1					1		
460.2	49+20	6.5' RT	AL_CC_WEST													1									1					1		
460.3	49+00	2.5' LT	AL_CC_WEST													1									1					1		
460.4	48+71	37.5' LT	AL_CC_WEST													1									1					1		
470	305+92	63.9' LT	AL_WB								1										1									1		
470.1	305+89	84.8' LT	AL_WB															2									1			1		
470.2	305+95	57.6' LT	AL_WB											1											1					1		
470.3	305+75	2.7' RT	AL_WB											1											1					1		
470.4	305+75	9.4' RT	AL_WB											1											1					1		
470.5	306+15	57.3' LT	AL_WB											1											1					1		
470.6	305+95	2.3' RT	AL_WB											1											1					1		
470.7	305+95	9.7' RT	AL_WB											1											1					1		
480	309+00	55.3' LT	AL_WB								1										1									1		
480.1	309+00	48.3' LT	AL_WB											1											1					1		
480.2	309+00	2.3' RT	AL_WB											1											1					1		
480.3	309+00	9.7' RT	AL_WB											1											1					1		
480.4	309+00	66.7' LT	AL_WB															1								1				1		
490	312+50	54.9' LT	AL_WB								1										1									1		
490.1	312+50	48.3' LT	AL_WB											1											1					1		
490.2	312+50	9.7' LT	AL_WB											1											1					1		
490.3	312+50	9.7' RT	AL_WB											1											1					1		
500	50+92	72.2' RT	AL_CC_EAST			1																						1	1	1		
500.1	50+93	37.5' RT	AL_CC_EAST											1											1					1		
500.2	50+93	2.5' RT	AL_CC_EAST										1												1					1		
500.3	50+93	6.5' LT	AL_CC_EAST										1												1					1		
500.4	50+93	37.5' LT	AL_CC_EAST										1												1					1		
500.5	50+93	63.1' LT	AL_CC_EAST			1																						1	1	1		
500.6	51+28	37.5' LT	AL_CC_EAST										1												1					1		
510	319+00	0' RT	AL_WB								1										1									1		

(CONTINUED ON NEXT SHEET)

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET**	LOCATION	520.8000* Concrete Collars for Pipe EACH	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch EACH	522.1018* Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch EACH	522.1030* Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch EACH	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch EACH	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch EACH	611.0530 Manhole Covers Type J EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0630 Inlet Covers Type HM-GJ EACH	611.0633 Inlet Covers Type HM-GJ-S EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	611.0666 Inlet Covers Type Z EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.9800.S Pipe Grates EACH	633.5200* Markers Culvert End EACH	650.4000 Construction Staking Storm Sewer EACH	SPV.0060.23 Cover Plates EACH	SPV.0060.24 Inlets 5-FT Diameter EACH
CATEGORY CODE 0010																																	
510.1	319+00	9.7' LT	AL_WB											1																1			
510.2	319+00	48.3' LT	AL_WB											1																1			
510.3	319+00	9.7' RT	AL_WB											1																1			
520	321+00	0' RT	AL_WB								1										1									1			
520.1	321+00	106.7' RT	AL_WB				1																							1	1	1		
530	321+98	0' RT	AL_WB								1									1										1			
530.1	321+98	48.3' LT	AL_WB												1													1		1			
530.2	321+98	9.7' LT	AL_WB												1													1		1			
530.3	321+98	9.7' RT	AL_WB												1													1		1			
530.4	322+13	48.3' LT	AL_WB											1													1		1			
530.5	322+13	9.7' LT	AL_WB											1													1		1			
530.6	322+13	9.7' RT	AL_WB											1													1		1			
530.7	321+83	48.3' LT	AL_WB											1													1		1			
530.8	321+83	9.7' LT	AL_WB											1													1		1			
530.9	321+83	9.7' RT	AL_WB											1													1		1			
535	323+44	53.5' LT	AL_WB								1													1					1			
535.1	323+13	93.3' LT	AL_WB							1																			1	1	1		
535.2	323+45	34' LT	AL_WB	1																													
540	325+00	100.4' RT	AL_WB		1																								1	1	1		
540.1	325+00	9.7' RT	AL_WB											1													1		1			
540.2	325+00	9.7' LT	AL_WB											1													1		1			
540.3	325+00	48.3' LT	AL_WB											1													1		1			
550	326+05	90.1' LT	AL_WB						1																				1	1	1		
560	326+25	64' LT	AL_WB								1										1									1			
570	328+37	64' LT	AL_WB								1										1									1			
580	331+79	64' LT	AL_WB								1											1								1			
580.1	331+87	101' LT	AL_WB					1																					1	1	1		
580.2	332+00	69' LT	AL_WB															2										1		1			
580.3	331+87	90.6' LT	AL_WB															2										1		1			
590	328+00	97.8' RT	AL_WB		1																								1	1	1		
590.1	328+00	9.7' RT	AL_WB											1													1		1			
590.2	328+00	9.7' LT	AL_WB											1													1		1			
590.3	328+00	48.3' LT	AL_WB											1													1		1			
600	331+00	88.1' RT	AL_WB		1																								1	1	1		
600.1	331+00	9.7' RT	AL_WB											1													1		1			
600.2	331+00	9.7' LT	AL_WB											1													1		1			
600.3	331+00	48.3' LT	AL_WB											1													1		1			
610	334+00	89.5' RT	AL_WB		1																								1	1	1		
610.1	334+00	48.3' RT	AL_WB											1													1		1			
610.2	334+00	9.7' RT	AL_WB											1													1		1			
610.3	334+00	9.7' LT	AL_WB											1													1		1			
610.4	334+00	48.3' LT	AL_WB											1													1		1			
620	337+00	88' RT	AL_WB		1																								1	1	1		
620.1	337+00	50.2' RT	AL_WB										1														1		1			
620.2	337+00	5.5' RT	AL_WB										1														1		1			
620.3	337+00	13.5' LT	AL_WB										1														1		1			
620.4	337+00	44.5' LT	AL_WB										1														1		1			
630	338+50	92.5' RT	AL_WB		1																								1	1	1		
630.1	338+50	57.5' RT	AL_WB										1															1		1			
630.2	339+53	46.4' RT	AL_WB																1									1		1			
635	53+50	56.5' LT	AL_NV			1																							1	1	1		
635.1	53+50	54.5' RT	AL_NV															1												1			
636	55+01	33.9' RT	AL_NV		1																								1	1	1		
636.1	54+81	18.1' RT	AL_NV										1															1		1			
640	50+86	69.3' LT	AL_NV			1																							1	1	1		
640.1	341+06	45' RT	AL_WB										1															1		1			
640.2	341+20	9.5' RT	AL_WB										1															1		1			
640.3	341+21	3.5' RT	AL_WB										1															1		1			
640.4	340+93	41.6' LT	AL_WB																1									1		1			
640.5	341+01	59.8' LT	AL_WB																1									1		1			
640.6	341+25	87.2' LT	AL_WB													1											1		1			
640.7	49+20	23.5' RT	AL_NV										1														1		1			
640.8	48+76	38' LT	AL_NV													1											1		1			
640.9	47+58	38' LT	AL_NV									1													1				1			
642	49+00	23.5' RT	AL_NV										1														1		1			
	PROJECT 2788-00-72		SUBTOTALS	1	9	5	2	3	1	1	18	1	18	61	9	5	12	3	7	8	2	1	1	5	89	4	4	21	21	144	0	2
			TOTALS	**5**	**12**	**8**	**6**	**3**	**2**	**1**	**26**	**2**	**19**	**100**	**22**	**5**	**17**	**3**	**10**	**13**	**2**	**1**	**2**	**5**	**140**	**5**	**6**	**32**	**32**	**223**	**3**	**7**

REMARKS
* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN
** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET NO:	E

FILE NAME : FD_030201_mq.ppt PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : July 31, 2016 ORIGINATOR : _____ PLOT SCALE : 1:1

SECTION SURVEY MONUMENTS

	STATION	LOCATION	SPV.0060.10 SECTION CORNER MONUMENTS SPECIAL EACH
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 3			
	WB 270+58	RT	1
STAGE 3 SUBTOTAL			**1**
2788-02-70 TOTAL			**1**
PROJECT NO: 2788-00-72			
STAGE 2			
	WB 324+14	LT	1
STAGE 2 SUBTOTAL			**1**
STAGE 3			
	WB 297+30	RT	1
STAGE 3 SUBTOTAL			**1**
2788-00-72 TOTAL			**2**
CONSTRUCTION TOTAL			**3**

DUST CONTROL

	STATION	623.0200 DUST CONTROL SURFACE TREATMENT SY
CAT 0010		
PROJECT NO: 2788-02-70		
STAGE 1		
	UNDISTRIBUTED	13180
STAGE 1 SUBTOTAL		**13180**
STAGE 2		
	UNDISTRIBUTED	31357
STAGE 2 SUBTOTAL		**31357**
STAGE 3		
	UNDISTRIBUTED	38482
STAGE 3 SUBTOTAL		**38482**
STAGE 4		
	UNDISTRIBUTED	4548
STAGE 4 SUBTOTAL		**4548**
2788-02-70 TOTAL		**87567**
PROJECT NO: 2788-00-72		
STAGE 1		
	UNDISTRIBUTED	6538
STAGE 1 SUBTOTAL		**6538**
STAGE 2		
	UNDISTRIBUTED	57887
STAGE 2 SUBTOTAL		**57887**
STAGE 3		
	UNDISTRIBUTED	55907
STAGE 3 SUBTOTAL		**55907**
STAGE 4		
	UNDISTRIBUTED	7902
STAGE 4 SUBTOTAL		**7902**
2788-00-72 TOTAL		**128234**
CONSTRUCTION TOTAL		**215801**

WATER

	STATION	LOCATION	624.0100 WATER MGAL
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 1			
	WB 264+00 - 272+85	RT	18
	WB 275+25 - 282+00	RT	24
	WB 282+75 - 284+75	RT	6
	US 41+50 - 49+75	LT	20
	US 50+50 - 55+75	RT	17
	US 56+25 - 60+50	RT	11
STAGE 1 SUBTOTAL			**11**
STAGE 2			
	WB 266+58 - 273+75	LT	24
	WB 273+75 - 281+10	LT	67
	WB 281+10 - 284+75	LT	74
	FC 48+43 - 49+10	LT/RT	7
	US 38+50 - 49+00	LT/RT	246
	TO 10+75 - 11+90	LT/RT	4
STAGE 2 SUBTOTAL			**398**
STAGE 3			
	WB 264+66 - 273+75	RT	28
	WB 273+75 - 280+75	RT	86
	WB 280+75 - 284+75	RT	86
	FC 50+85 - 51+53	LT/RT	3
	US 51+00 - 62+40	LT/RT	309
STAGE 3 SUBTOTAL			**483**
STAGE 4			
	WB 273+75 - 281+00	MED	48
	WB 281+00 - 284+75	MED	14
STAGE 4 SUBTOTAL			**62**
2788-02-70 TOTAL			**953**

WATER (CONT.)

	STATION	LOCATION	624.0100 WATER MGAL
CAT 0010			
PROJECT NO: 2788-00-72			
STAGE 1			
	WB 284+75 - 287+25	LT	3
	WB 284+75 - 286+50	RT	3
	WB 335+25 - 340+25	RT	22
	WB 336+25 - 342+50	LT/RT	10
	WB 340+50 - 342+50	RT	9
STAGE 1 SUBTOTAL			**47**
STAGE 2			
	WB 284+75 - 288+50	LT	54
	WB 288+50 - 305+25	LT	240
	WB 305+25 - 336+50	LT	469
	WB 336+50 - 342+31	LT	85
	DWY 48+50 - 49+25	LT/RT	3
	CC 48+00 - 49+50	LT/RT	7
	NV 44+50 - 49+00	LT/RT	17
STAGE 2 SUBTOTAL			**875**
STAGE 3			
	WB 284+75 - 288+50	RT	70
	WB 288+50 - 289+75	RT	24
	WB 289+75 - 305+25	RT	113
	WB 305+25 - 331+00	RT	172
	WB 331+00 - 336+50	RT	84
	WB 336+50 - 342+31	RT	101
	DWY 51+00 - 51+50	LT/RT	1
	CC 50+50 - 52+75	LT/RT	11
	NV 51+00 - 56+75	LT/RT	25
	NV 52+75	LT/RT	2
STAGE 3 SUBTOTAL			**602**
STAGE 4			
	WB 284+75 - 288+75	MED	31
	WB 288+75 - 305+25	MED	55
	WB 305+25 - 336+50	MED	37
	WB 336+75 - 342+50	MED	41
STAGE 4 SUBTOTAL			**164**
2788-00-72 TOTAL			**1,689**
CONSTRUCTION TOTAL			**2,642**

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DITCH CHECK ITEMS

STATION	628.7504 TEMPORARY DITCH CHECKS LF	628.7515.S STONE OR ROCK DITCH CHECKS CY	628.7555 CULVERT PIPE DITCH CHECKS EACH	628.7570 ROCK BAGS EACH	645.0140 GEOTEXTILE TYPE SAS SY
CATEGORY CODE 0010					
PROJECT 2788-02-70					
264'WB'+66 - 274'WB'+50	132	--	26	24	--
274'WB'+50 - 284'WB'+74.64	36	--	45	79	--
USH 18 WEST	60	20	22	30	58
USH 18 EAST	108	--	14	39	--
UNDISTRIBUTED	84	6	28	48	15
PROJECT 2788-02-70 SUBTOTALS	420	26	135	220	73
PROJECT 2788-00-72					
284'WB'+74.64 - 295'WB'+00	168	30	10	145	87
295'WB'+00 - 305'WB'+00	456	--	4	10	--
305'WB'+00 - 315'WB'+00	348	--	11	34	--
315'WB'+00 - 325'WB'+00	204	20	2	24	58
325'WB'+00 - 335'WB'+00	576	--	6	20	--
335'WB'+00 - 345'WB'+00	216	--	4	12	--
NORTHVIEW	300	--	14	32	--
UNDISTRIBUTED	567	14	14	78	37
PROJECT 2788-00-72 SUBTOTALS	2,835	64	65	355	182
TOTALS	**3,255**	**90**	**200**	**575**	**255**

EROSION MAT ITEMS

STATION - STATION	LOCATION	628.2004 CLASS I TYPE B SY	628.2008 URBAN CLASS TYPE B SY	628.2033 CLASS III TYPE B SY
CATEGORY CODE 0010				
PROJECT 2788-02-70				
264'WB'+66 - 274'WB'+30	RT	558	2,145	--
266'WB'+58 - 274'WB'+40	LT	--	2,060	--
274'WB'+30 - 281'WB'+38	LT	129	2,234	--
274'WB'+95 - 281'WB'+75	RT	484	2,515	--
283'WB'+39 - 284'WB'+75	LT	6	342	--
UNDISTRIBUTED		294	2,334	--
PROJECT 2788-02-70 SUBTOTALS		1,471	11,630	--
PROJECT 2788-00-72				
284'WB'+75 - 287'WB'+47	LT	242	873	--
287'WB'+95 - 304'WB'+75	LT	4,677	2,250	44
290'WB'+50 - 304'WB'+65	RT	2,477	--	--
292'WB'+70 - 301'WB'+23	LT & RT	--	1,494	--
305'WB'+80 - 339'WB'+95	LT	12,367	1,532	--
305'WB'+90 - 55'NV'+00	RT	9,420	3,217	67
309'WB'+40 - 339'WB'+43	LT & RT	--	5,478	--
342'WB'+32 - 56'NV'+65	LT	2,765	--	--
UNDISTRIBUTED		7,981	3,726	29
PROJECT 2788-00-72 SUBTOTALS		39,929	18,570	140
TOTALS		**41,400**	**30,200**	**140**

SILT FENCE ITEMS

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520* SILT FENCE MAINTENANCE LF	SPV.0090.21 HEAVY DUTY SILT FENCE LF	COMMENTS
CATEGORY CODE 0010					
PROJECT 2788-02-70					
266'WB'+58 - 275'WB'+27	LT	737	923	186	CTH TT
270'WB'+41 - 62'WB'+27	RT	1,142	2,256	1,115	CTH TT/ USH 118
279'WB'+52 - 280'WB'+36	LT	--	111	111	CTH TT
283'WB'+50 - 284'WB'+75	LT	125	125	--	CTH TT
43'US'+41 - 47'US'+09	LT	333	383	50	USH 18
43'US'+71 - 46'US'+25	RT	--	275	275	USH 18
55'US'+00 - 57'US'+50	LT	291	291	--	USH 18
UNDISTRIBUTED		656	1,097	436	
PROJECT 2788-02-70 SUBTOTALS		3,284	5,461	2,173	
PROJECT 2788-00-72					
284'WB'+75 - 291'WB'+25	LT	489	613	125	CTH TT
287'WB'+95 - 289'WB'+70	RT	168	168	--	CTH TT
293'WB'+00 - 300'WB'+28	LT	733	733	--	CTH TT
297'WB'+51 - 301'WB'+75	RT	424	424	--	CTH TT
320'WB'+00 - 324'WB'+00	LT	201	416	215	CTH TT
321'WB'+10	RT	34	34	--	CTH TT
323'WB'+00 - 325'WB'+20	RT	247	640	393	CTH TT/ DRY POND
47'NV'+88 - 51'NV'+80	LT	270	270	--	COLDWATER CREEK DR
47'NV'+94 - 52'NV'+92	RT	430	430	--	COLDWATER CREEK DR
43'NV'+97 - 54'NV'+50	LT	922	922	--	NORTH VIEW RD/ CTH TT
45'NV'+17 - 46'NV'+00	RT	90	90	--	NORTH VIEW RD
51'NV'+32 - 52'NV'+00	RT	86	86	--	NORTH VIEW RD/ CTH TT
UNDISTRIBUTED		1,022	1,213	184	
PROJECT 2788-00-72 SUBTOTALS		5,116	6,039	917	
TOTALS		**8,400**	**11,500**	**3,090**	

*INCLUDES MAINTENANCE FOR BOTH REGULAR AND HEAVY DUTY SILT FENCE.

EROSION BALES

STATION	628.1104 LF
CATEGORY CODE 0010	
PROJECT 2788-02-70	
UNDISTRIBUTED	200
PROJECT 2788-02-70 SUBTOTAL	200
PROJECT 2788-00-72	
UNDISTRIBUTED	300
PROJECT 2788-00-72 SUBTOTAL	300
TOTAL	**500**

EROSION CONTROL MOBILIZATIONS ITEMS

LOCATION	628.1905 EROSION CONTROL EACH	628.1910 EMERGENCY EROSION CONTROL EACH
CATEGORY CODE 0010		
PROJECCT 2788-02-70	14	9
PROJECCT 2788-00-72	14	8
TOTALS	**28**	**17**

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LANDSCAPING ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0200 SEEDING TEMPORARY LB	630.0400 SEEDING NURSE CROP LB	631.1000 SOD LAWN SY	COMMENTS
CAT 0010													
PROJECT NO: 2788-02-70													
STAGE 1													
WB 264+65 - 272+85	RT	--	1,879	--	1,878	1.20	26	--	--	51	--	--	
WB 275+24 - 281+20	RT	--	--	1,029	1,029	0.70	--	--	--	28	--	--	TEMP GRADING
WB 282+68 - 284+75	RT	--	--	254	254	0.20	--	--	--	7	--	--	TEMP GRADING
US 41+58 - 49+55	LT	--	--	1,909	1,909	1.30	--	--	--	52	--	--	TEMP GRADING
US 51+ 37 - 55+91	RT	--	--	891	891	0.60	--	--	--	25	--	--	TEMP GRADING
US 56+30 - 60+50	RT	--	--	429	429	0.30	--	--	--	12	--	--	TEMP GRADING
STAGE 1 SUBTOTAL		**--**	**1,879**	**4,512**	6,390	**4.30**	**26**	**--**	**--**	**175**	**--**	**--**	
STAGE 2													
FC 48+42 - 49+50	LT/RT	195	--	--	--	0.00	--	--	--	--	--	195	
US 38+50 - 43+15	LT/RT	2,590	--	--	--	0.00	--	--	--	--	--	2,590	
US 43+15 - 49+50	LT/RT	3,318	--	--	--	0.00	--	--	--	--	--	3,318	
WB 273+75 - 282+00	LT	--	2,682	--	--	1.70	20	23	--	73	--	--	
WB 283+75 - 284+75	LT	--	344		--	0.30	2	5	--	10	--	--	
STAGE 2 SUBTOTAL		**6,103**	**3,026**	**--**	**--**	**2**	**22**	**28**	**--**	**83**	**--**	**6,103**	
STAGE 3													
WB 273+75 - 281+50	RT	--	3,220	--	--	1.7	36	--	--	71	--	592	
WB 283+00 - 284+75	RT	--	413	--	--	--	--	--	--	--	--	413	
US 50+50 - 56+00	LT/RT	2,046	--	--	--	--	--	--	--	--	--	2,046	
US 56+00 - 62+50	LT/RT	2,064	--	609	609	.4	--	--	--	17	--	2,064	TEMP GRADING
STAGE 3 SUBTOTAL		**4,110**	**3,633**	**609**	**609**	**2.1**	**36**	**--**	**--**	**88**	**--**	**5,115**	
UNDISTRIBUTED		**4,688**	**--**	**150**	**1,750**	**2**	**21**	**7**	**--**	**87**	**--**	**2,805**	
2788-02-70 TOTAL		**14,901**	**8,538**	**5,271**	**8,749**	**11**	**105**	**35**	**--**	**433**	**--**	**14,023**	

(CONTINUED ON NEXT SHEET)

3

LANDSCAPING ITEMS (CONT.)

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0200 SEEDING TEMPORARY LB	630.0400 SEEDING NURSE CROP LB	631.1000 SOD LAWN SY	COMMENTS
CAT 0010													
PROJECT NO: 2788-00-72													
STAGE 1													
WB 284+75 - 286+50	RT	--	--	229	229	0.20	--	--	--	7	--	--	TEMP GRADING
WB 335+46 + 339+85	RT	--	--	528	528	0.40	--	--	--	15	--	--	TEMP GRADING
WB 340+52 - 343+29	RT	--	--	436	436	0.30	--	--	--	12	--	--	TEMP GRADING
STAGE 1 SUBTOTAL		**--**	**--**	**1,193**	**1193**	**0.90**	**--**	**--**	**--**	**34**	**--**	**--**	
STAGE 2													
WB 284+75 - 287+50	LT	--	1,121	--	--	.8	10	9	--	31	--	--	
WB 287+50 - 304+75	LT	--	9,077	--	--	4.6	99	--	--	197	--	1,817	
WB 305+75 - 340+50	LT	--	17,360	--	--	9.1	194	--	--	387	--	3,047	
WB 324+50 - 326+75	RT	--	3,893	--	--	2.5	--	--	15	106	29	--	
WB 341+00 - 342+42	LT	--	118	--	--	--	--	--	--	--	--	118	
CC 48+00 - 49+50	LT/RT	343	--	--	--	--	--	--	--	--	--	343	
NV 44+00 - 49+50	LT/RT	1,286	--	--	--	--	--	--	--	--	--	1,286	
STAGE 2 SUBTOTAL		**1,629**	**31,569**	**--**	**--**	**17**	**303**	**9**	**15**	**721**	**29**	**6,611**	
STAGE 3													
WB 284+75 - 288+50	RT	--	666	--	--	--	--	--	--	--	--	666	
WB 289+00 - 291+75	RT	--	553	--	--	--	--	--	--	--	--	553	
WB 290+50 - 304+75	RT	--	2,640	--	--	1.7	3	45	--	72	--	--	
WB 305+75 - 340+00	RT	--	9,898	--	--	5.8	61	84	--	247	--	760	
WB 340+50 - 342+42	RT	--	719	--	--	.4	8	--	--	15	--	191	
CC 50+50 - 52+75	LT/RT	--	561	--	--	--	--	--	--	--	--	561	
NV 51+00 - 56+75	LT/RT	--	3,644	--	--	1.6	25	12	--	65	--	1,238	
STAGE 3 SUBTOTAL		**--**	**18,681**	**--**	**--**	**9.5**	**97**	**141**	**--**	**399**	**--**	**3,969**	
STAGE 4													
WB 292+75 - 301+25	MED	1,494	--	--	--	1.0	--	27	--	41	--	--	
WB 309+25 - 339+50	MED	5,479	--	--	--	3.5	--	99	--	148	--	--	
STAGE 4 SUBTOTAL		**6,973**	**--**	**--**	**--**	**5**	**--**	**126**	**--**	**189**	**--**	**--**	
UNDISTRIBUTED		**14,713**	**--**	**150**	**298**	**8**	**100**	**69**	**4**	**336**	**7**	**2,645**	
2788-00-72 TOTAL		**23,315**	**50,250**	**1,343**	**1,492**	**40**	**500**	**345**	**19**	**1,679**	**36**	**13,225**	
CONSTRUCTION TOTAL		**38,216**	**58,788**	**6,614**	**10,240**	**50.4**	**605**	**380**	**19**	**2,111**	**36**	**27,248**	

3

POLYETHELENE SHEETING

STATION	LOCATION	628.5505 SY
CATEGORY CODE 0010		
PROJECT 2788-02-70		
UNDISTRIBUTED		50
PROJECT 2788-02-70 SUBTOTAL		50
PROJECT 2788-00-72		
UNDISTRIBUTED		100
PROJECT 2788-00-72 SUBTOTAL		100
TOTAL		**150**

SOIL STABILIZER

STATION - STATION	LOCATION	628.6505 TYPE A ACRE	628.6510 TYPE B ACRE
CATEGORY CODE 0010			
PROJECT 2788-02-70			
UNDISTRIBUTED		0.50	2.00
PROJECT 2788-02-70 SUBTOTAL		0.50	2.00
PROJECT 2788-00-72			
UNDISTRIBUTED		0.50	3.50
PROJECT 2788-00-72 SUBTOTAL		0.50	3.50
TOTAL		**1.00**	**5.50**

INLET PROTECTION ITEMS

LOCATION	628.7005 TYPE A* EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
CATEGORY CODE 0010			
PROJECT 2788-02-70			
EXISTING STRUCTURES	--	5	--
PROPOSED STRUCTURES	7	40	13
UNDISTRIBUTED	2	12	3
PROJECT 2788-02-70 SUBTOTALS	9	57	16
PROJECT 2788-00-72			
EXISTING STRUCTURES	4	11	--
PROPOSED STRUCTURES	9	75	20
UNDISTRIBUTED	3	22	4
PROJECT 2788-00-72 SUBTOTALS	16	108	24
TOTALS	**25**	**165**	**40**

*TYPE A MODIFIED TO INCLUDE ROCK BAGS, PAID SEPARATELY

3

TRACKING PAD

STATION	628.7560 EACH
CATEGORY CODE 0010	
PROJECT 2788-02-70	3
PROJECT 2788-00-72	3
TOTAL	**6**

ABANDONING SEWER

STATION	LOCATION	204.0291.S CY	COMMENTS
CATEGORY CODE 0010			
PROJECT 2788-02-70			
280'WB'+09 - 280'WB'+31	LT & RT	7	FILL 15-INCH CP
TOTAL		**7**	

CLOSING CULVERT PIPES

STATION	LOCATION	204.0275 EACH
CATEGORY CODE 0010		
PROJECT 2788-00-72		
302'WB'+49	RT	1
TOTAL		**1**

TEMPORARY SEDIMENT TRAPS

STATION	SPV.0060.21 EACH
CATEGORY CODE 0010	
PROJECT 2788-02-70	
UNDISTRIBUTED	5
PROJECT 2788-02-70 SUBTOTAL	5
PROJECT 2788-00-72	
UNDISTRIBUTED	5
PROJECT 2788-00-72 SUBTOTAL	5
TOTAL	**10**

OUTLET PIPE SEDIMENT TRAPS

STATION	LOCATION	SPV.0060.31 OUTLET PIPE SEDIMENT TRAPS RIPRAP MEDIUM EACH	SPV.0060.32 OUTLET PIPE SEDIMENT TRAPS FIELD STONE MEDIUM EACH
CATEGORY CODE 0010			
PROJECT 2788-02-70			
280'WB'+71	LT	1	--
280'WB'+91	RT	1	--
43'US'+78	RT	--	1
45'US'+90	RT	--	1
PROJECT 2788-02-70 SUBTOTAL		2	2
PROJECT 2788-00-72			
288'WB'+31	LT	1	--
289'WB'+86	RT	1	--
321'WB'+00	RT	1	--
PROJECT 2788-00-72 SUBTOTAL		3	--
TOTAL		**5**	**2**

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
PROJECT NO: 2788-02-70																			
3-1	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	1	--	--	1	1	--	--	--	--	
3-2	W4-2R	RIGHT LANE ENDS	36 X 36	--	--	9.00	--	--	--	1	--	--	--	--	--	--	--	--	
3-3	W9-1R	RIGHT LANE ENDS	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	.	--	--	
3-4	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
3-5	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	1	--	--	1	1	--	--	--	--	
3-7	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	
3-8	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
4-1	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
4-3	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
4-4	J1-1	JCT 18	36 X 57	14.25	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
--	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
4-5	W3-3	SIGNAL AHEAD	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
4-6	D1-65	SUMMIT AVE NEXT SIGNAL	90 X 30	18.75	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
4-7	D1-1	DOWNTOWN WAUKESHA	72 X 24	12.00	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
4-8	J2-1	WEST 18 AHEAD LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1L	AHEAD LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
4-9	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 4-9
4-11	R3-7L	LEFT LANE MUST TURN LEFT	30 X 30	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
4-12	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
4-13	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
4-14	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
4-15	W4-2R	RIGHT LANE ENDS	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	
4-16	W16-9P	AHEAD	24 X 8	--	--	1.33	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 4-15
4-17	J2-1	WEST 18 AHEAD LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1L	AHEAD LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
5-1	W9-1R	RIGHT LANE ENDS	36 X 36	--	--	9.00	--	--	--	1	--	--	--	--	--	.	--	--	
5-2	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	1	--	--	1	1	--	--	--	--	
5-3	M1-5A	COUNTY TT	36 X 36	9.00	--	--	--	--	--	1	--	--	1	1	--	--	--	--	
5-4	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
5-7	R1-2	YIELD	48 X 42	7.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
5-8	J3-1	WEST 18 RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
5-10	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	1	--	--	--	--	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
5-12	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M6-4	RIGHT/LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 5-12
5-14	R1-2	YIELD	48 X 42	7.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
5-17	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
5-18	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
5-19	--	WAUKESHA COUNTY ADOPT-A-HIGHWAY	-- X --	--	--	--	--	--	--	--	--	--	1	2	--	--	--	--	
--	--	EDWARD JONES CHIP TINDER	-- X --	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 5-19
--	--	FOLDING WORKERS AHEAD	-- X --	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 5-19
5-22	J3-1	WEST 18 LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	SAME SUPPORT AS 5-23
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
5-23	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 5-22
5-24	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-25	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-26	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-27	M1-94H	MERRILL HILLS RD LEFT MEADOWBROOK RD RIGHT	## X 36	33.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
5-28	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-29	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	1	--	--	--	--	MOUNT ON SIGNAL POLE
5-30	W12-1D	DOUBLE ARROW	24 X 24	--	--	4.00	1	--	--	--	--	--	--	--	--	--	--	--	2' MOUNTING HEIGHT
5-31	W12-1D	DOUBLE ARROW	24 X 24	--	--	4.00	1	--	--	--	--	--	--	--	--	--	--	--	2' MOUNTING HEIGHT
5-32	R1-1F	FOLDING STOP	36 X 36	--	9.00	--	--	--	--	--	--	--	1	1	--	--	--	--	MOUNT ON SIGNAL POLE
5-33	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-34	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-35	M1-94H	MERRILL HILLS RD LEFT MEADOWBROOK RD RIGHT	## X 36	33.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
5-36	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-37	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-40	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
5-41	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
5-42	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
16-1	W14-3	NO PASSING ZONE	48 X 36	--	--	6.00	--	--	1	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 16-2
16-2	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	--	--	--	1	--	--	--	--	--	SAME SUPPORT AS 16-1
16-3	W4-2R	RIGHT LANE ENDS	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	
16-5	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
16-6	J1-1	JCT TT	36 X 57	14.25	--	--	--	--	--	2	--	--	--	--	--	--	--	--	
--	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
16-7	R3-20R	BEGIN RIGHT TURN LANE	36 X 54	13.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
16-8	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	--	1	--	--	1	1	--	--	--	--	

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X6-INCH 634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
16-9	J1-1	TO I-94	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 16-10
--	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
16-10	M4-22L	SECOND LEFT	36 X 30	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 16-9
16-11	W9-62	THIS LANE ENDS	48 X 60	20.00	--	--	--	--	--	--	--	--	--	--	--	--	1	--	MOUNT ON OH SIGN SUPPORT
17-1	R3-Y8	DUAL LEFT TURN ONLY	30 X 36	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
17-2	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
17-4	R5-1	DO NOT ENTER	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
17-8	R1-1	STOP	36 X 36	9.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 17-9
17-9	--	PRIVATE DRIVE	-- X --	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	SAME SUPPORT AS 17-8
17-10	D1-61	WAUKESHA BYPASS	54 X 36	13.50	--	--	--	--	--	2	--	--	--	--	--	--	--	1	
17-11	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-11
--	M5-1L	AHEAD LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-11
17-16	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-16
--	M6-1	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-16
17-19	J2-1	SOUTH COUNTY TT AHEAD RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	SAME SUPPORT AS 17-20
--	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1R	AHEAD RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
17-20	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 17-19
17-21	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
17-22	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
17-23	J2-1	NORTH TT AHEAD LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1L	AHEAD LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
17-24	R4-7	KEEP RIGHT	36 X 48	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
17-25	J23-1	TO I-94 LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	SAME SUPPORT AS 17-26
--	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
17-26	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 17-25
17-27	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-27
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 17-27
17-30	R5-1A	WRONG WAY	42 X 30	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
17-31	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
18-1	M1-94S	STH 18 SUMMIT AVE	## X 18	13.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
18-2	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
18-3	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	1	--	--	--	--	MOUNT ON SIGNAL POLE
18-5	J3-1	SOUTH TT RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
18-6	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	--	--	--	--	--	MOUNT ON SIGNAL POLE
18-7	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
18-8	M1-94S	STH 18 SUMMIT AVE	## X 18	13.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
18-9	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
18-10	R5-1A	WRONG WAY	42 X 30	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	
18-11	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 18-11
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 18-11
18-14	J3-1	NORTH TT LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	SAME SUPPORT AS 18-15, 18-16
--	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
18-15	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 18-14, 18-16
18-16	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	--	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 18-14, 18-15
18-17	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 18-18
18-18	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 18-17
18-19	J3-1	SOUTH TT LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
18-20	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
18-21	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
19-1	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 19-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 19-1
19-4	D1-61	WAUKESHA BYPASS	54 X 36	13.50	--	--	--	--	2	--	--	--	--	--	--	--	--	1	
19-5	J2-1	NORTH TT AHEAD RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1R	AHEAD RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
19-6	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-7	R9-3A	NO PEDESTRIAN CROSSING	18 X 18	2.25	--	--	--	1	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 19-8

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
19-8	R9-3BR	USE CROSSWALK	18 X 12	1.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 19-7
19-9	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
19-10	R5-1	DO NOT ENTER	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
19-11	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-12	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-13	R3-7R	RIGHT LANE MUST TURN RIGHT	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON OH SIGN POLE
19-14	R3-5R	RIGHT TURN ONLY	42 X 48	14.00	--	--	--	--	--	--	--	--	--	--	--	1	--	--	MOUNT ON OH SIGN SUPPORT
19-15	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 19-15
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 19-15
19-18	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-19	R4-7	KEEP RIGHT	36 X 48	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
19-20	J2-1	SOUTH TT AHEAD LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-3	SOUTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1L	AHEAD LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
19-21	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-22	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
19-24	J3-1	NORTH TT RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-1	NORTH	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
20-1	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	--	1	--	--	1	1	--	--	--	--	
20-2	R3-20R	BEGIN RIGHT TURN LANE	36 X 54	13.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
20-3	S5-2	END SCHOOL ZONE	36 X 42	--	--	10.50	--	--	--	1	--	--	1	1	--	--	--	--	
20-4	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 20-4
20-6	J1-1	JCT TT	36 X 57	14.25	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
--	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-5A	COUNTY TT	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
20-7	S1-1	SCHOOL CROSSING	36 X 36	--	--	6.75	--	--	--	1	--	--	1	1	--	--	--	--	SAME SUPPORT AS 20-8, 20-9
20-8	W16-9P	AHEAD	30 X 18	--	--	3.75	--	--	--	--	--	--	1	--	--	--	--	--	SAME SUPPORT AS 20-7, 20-9
20-9	R2-6P	FINES HIGHER	36 X 24	6.00	--	--	--	--	--	--	--	--	1	--	--	--	--	--	SAME SUPPORT AS 20-7, 20-8
20-10	--	DO NOT ENTER FIRE TRUCK EXIT ONLY	-- X --	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	
20-11	R5-1	DO NOT ENTER	-- X --	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	
20-12	R3-7R	RIGHT LANE MUST TURN RIGHT	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
2788-02-70 TOTAL				**1063.05**	**61.22**	**108.33**	**2**	**7**	**33**	**18**	**13**	**3**	**42**	**38**	**2**	**1**	**1**	**2**	

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
PROJECT NO: 2788-00-72																			
5-9	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
5-39	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-2	J33-1	ALTERNATE WEST I-94 RIGHT	36 X ##	25.50	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M4-1	ALTERNATE	36 X 18	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	PART OF J33-1
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J33-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J33-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J33-1
6-3	M4-1	ALTERNATE	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 6-3
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 6-3
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 6-3
6-7	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M6-4	RIGHT/LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 6-7
6-9	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 6-9
6-11	J2-1	WEST 18 AHEAD RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1R	AHEAD RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
6-12	D1-1	DOWNTOWN WAUKESHA	72 X 24	12.00	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
6-13	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
6-14	D1-65	SUMMIT AVE NEXT SIGNAL	90 X 30	18.75	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
6-15	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	1	1	--	--	--	--	
6-16	J1-1	JCT 18	36 X 57	14.25	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
--	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
6-17	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
6-18	M1-5A	COUNTY TT	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-20	R9-3A	NO PEDESTRIAN CROSSING	18 X 18	2.25	--	--	--	1	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 6-21
6-21	R9-3BL	USE CROSSWALK	18 X 12	1.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 6-20
6-22	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
6-23	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-24	J2-1	WEST 18 AHEAD RIGHT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M3-4	WEST	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
--	M5-1R	AHEAD RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J2-1
6-25	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-26	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-27	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
6-28	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X6-INCH 634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
6-29	J1-1	JCT 18	36 X 57	14.25	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
--	M2-1	JCT	30 X 21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
--	M1-4	STH 18	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J1-1
7-1	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
8-1	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
8-2	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-1	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-2	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
9-3	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-4	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
9-5	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-6	R2-1	SPEED LIMIT 25	24 X 30	5.00	--	--	--	1	--	--	--	--	1	1	--	--	--	--	
9-7	R1-1	STOP	36 X 36	7.46	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
9-10	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-11	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-12	R4-7	KEEP RIGHT	24 X 30	5.00	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
9-13	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-14	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-15	R4-7	KEEP RIGHT	24 X 30	5.00	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
9-16	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-17	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
9-18	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
10-1	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
10-2	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 10-4
10-3	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
10-4	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 10-2
10-5	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	--	1	--	--	1	1	--	--	--	--	
11-1	W11-3	DEER CROSSING	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
13-1	W11-3	DEER CROSSING	36 X 36	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
13-2	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	1	1	--	--	--	--	
13-3	W3-3	SIGNAL AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	
13-4	W3-5	SPEED LIMIT 35 AHEAD	36 X 36	--	--	9.00	--	--	1	--	--	--	--	--	--	--	--	--	
13-5	W3-5	SPEED LIMIT 35 AHEAD	36 X 36	--	--	9.00	--	--	--	1	--	--	--	--	--	--	--	--	
14-1	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
14-2	M4-1	ALTERNATE	36 X 18	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 14-2
--	M6-1	AHEAD ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 14-2
14-5	J3-1	ALTERNATE I-94 AHEAD	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M4-1	ALTERNATE	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
--	M6-1	AHEAD ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J3-1
14-6	--	REDUCED SPEED AHEAD	-- X --	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	SAME SUPPORT AS 14-7

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
14-7	--	35 MPH	-- X --	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	SAME SUPPORT AS 14-6
14-9	D1-65	NORTHVIEW RD NEXT SIGNAL	96 X 30	20.00	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
14-11	D1-65	NORTHVIEW RD NEXT SIGNAL	96 X 30	20.00	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
14-12	R2-1	SPEED LIMIT 45	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
14-13	R3-20L	BEGIN LEFT TURN LANE	36 X 54	13.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-1	--	WAUKESHA COUNTY ADOPT-A-HIGHWAY	-- X --	--	--	--	--	--	--	--	--	--	1	2	--	--	--	--	
--	--	EDWARD JONES CHIP TINDER	-- X --	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 15-1
--	--	FOLDING WORKERS AHEAD	-- X --	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	REMOVE WITH 15-1
15-4	M1-5A	COUNTY TT	36 X 36	9.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
15-5	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-6	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-7	J4-1	COUNTY TT	24 X 36	6.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-8	D9-2	HOSPITAL H	36 X 36	9.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-9
15-9	M6-1L	LEFT ARROW	30 X 30	6.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-8
15-10	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
15-11	R5-1A	WRONG WAY	42 X 30	8.75	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
15-12	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
15-13	--	WAUKESHA MEMORIAL HOSPITAL	-- X --	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
15-14	R2-1	SPEED LIMIT 35	36 X 48	12.00	--	--	--	--	1	--	--	--	1	1	--	--	--	--	
15-16	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-17	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	1	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-18
15-18	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-17
15-19	M1-94H	MEADOWBROOK RD	## X 18	13.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
15-20	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
15-21	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	1	--	--	--	--	MOUNT ON SIGNAL POLE
15-22	W12-1D	DOUBLE ARROW	24 X 24	--	--	4.00	1	--	--	--	--	--	--	--	--	--	--	--	2' MOUNTING HEIGHT
15-23	R4-7	KEEP RIGHT	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-24
15-24	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	SAME SUPPORT AS 15-23
15-25	R2-1	SPEED LIMIT 35	36 X 48	12.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-26	W12-1D	DOUBLE ARROW	24 X 24	--	--	4.00	1	--	--	--	--	--	--	--	--	--	--	--	2' MOUNTING HEIGHT
15-27	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	1	--	--	--	--	MOUNT ON SIGNAL POLE

(CONTINUED ON NEXT SHEET)

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	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	641.8100.001 OVERHEAD SIGN SUPPORT S-67-976 LS	641.8100.002 OVERHEAD SIGN SUPPORT S-67-977 LS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
CAT 0010																			
15-28	R5-1	DO NOT ENTER	36 X 36	9.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
15-29	M1-94H	MEADOWBROOK RD	## X 18	13.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
15-30	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
15-31	R1-1	STOP	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
15-32	R1-1	STOP	36 X 36	9.00	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
21-1	D1-61	WAUKESHA BYPASS	54 X 36	13.50	--	--	--	--	--	2	--	--	--	--	--	--	--	1	
22-2	R2-1	SPEED LIMIT 35	24 X 30	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	
22-4	R2-1	SPEED LIMIT 35	24 X 30	5.00	--	--	--	1	--	--	--	--	--	--	--	--	--	--	
22-5	M1-94H	NORTHVIEW RD	## X 18	12.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
22-6	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	--	--	--	--	--	MOUNT ON SIGNAL POLE
22-7	R1-1F	FOLDING STOP	36 X 36	--	7.46	--	--	--	--	--	--	--	1	--	--	--	--	--	MOUNT ON SIGNAL POLE
22-8	M1-94H	NORTHVIEW RD	## X 18	12.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
22-9	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
22-10	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
22-11	R6-2L	ONE WAY	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
22-12	R10-50L	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30 X 36	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL MAST ARM
22-13	J23-1	TO I-94 LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M6-1L	LEFT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
23-1	R3-20R	BEGIN RIGHT TURN LANE	24 X 36	6.00	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
23-2	D1-61	WAUKESHA BYPASS	54 X 36	13.50	--	--	--	--	--	2	--	--	--	--	--	--	--	1	
23-3	R2-1	SPEED LIMIT 35	24 X 30	5.00	--	--	--	1	--	--	--	--	1	1	--	--	--	--	
23-4	J23-1	TO I-94 LEFT	36 X 84	21.00	--	--	--	--	--	--	1	--	--	--	--	--	--	--	
--	M4-5	TO	36 X 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M1-1	I-94	36 X 36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
--	M6-1R	RIGHT ARROW	30 X 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PART OF J23-1
		2788-00-72 TOTAL		**915.84**	**44.76**	**62.00**	**2**	**17**	**48**	**9**	**6**	**--**	**29**	**28**	**--**	**--**	**--**	**2**	
		CONSTRUCTION TOTAL		**1978.89**	**105.98**	**170.33**	**4**	**24**	**81**	**27**	**19**	**3**	**71**	**66**	**2**	**1**	**1**	**4**	

TRAFFIC CONTROL ITEMS

STAGE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	643.0300 DRUMS EACH	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAYS	643.3000 DETOUR SIGNS EACH	643.3000 DETOUR SIGNS DAYS
PROJECT NO: 2788-02-70																					
STAGE 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18	576	32	4	28	--	--
STAGE 2A	253	253	55	2,695	22	1,078	92	92	28	1,372	--	--	--	--	47	2,303	123	4	28	28	84
STAGE 2B	688	688	65	3,120	10	480	49	49	12	576	3	144	--	--	29	1,392	--	3	21	--	--
STAGE 3A	--	--	112	3,808	5	170	83	83	4	136	68	2,312	--	--	35	1,190	--	2	14	--	--
STAGE 3B	--	--	100	3,400	3	102	42	42	--	--	42	1,428	--	--	40	1,360	--	3	21	--	--
STAGE 4	--	--	57	1,995	--	--	--	--	--	--	--	--	--	--	17	595	--	--	--	--	--
UNDISTRIBUTED	--	--		901		110	40	40		125		233	1	20		445	--		20		--
2788-02-70 TOTAL	**941**	**941**		**15,919**		**1,940**	**306**	**306**		**2,209**		**4,117**		**20**		**7,861**	**154**		**132**		**84**
PROJECT NO: 2788-00-72																					
STAGE 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	64	32	3	21	--	--
STAGE 2A	--	--	37	1,813	12	588	80	80	14	686	--	--	--	--	13	637	296	2	14	59	1,419
STAGE 2B	--	--	37	1,776	12	576	--	--	14	672	--	--	--	--	13	624	--	3	21	27	1,296
STAGE 3A	--	--	51	1,734	20	680	60	60	18	612	24	816	--	--	39	1,326	130	--	--	25	850
STAGE 3B	--	--	51	1,734	30	1,020	--	--	30	1,020	24	816	--	--	39	1,326	--	1	7	25	850
STAGE 4	--	--	137	4,795	--	--	--	--	--	--	--	--	--	--	2	70	--	--	--	--	--
UNDISTRIBUTED				711		172	21	21		179		98	1	20		243	--		20		--
2788-00-72 TOTAL	**--**	**--**		**12,563**		**3,036**	**161**	**161**		**3,169**		**1,730**		**20**		**4,290**	**457**		**83**		**4,415**
CONSTRUCTION TOTALS	**941**	**941**		**28,482**		**4,976**	**467**	**467**		**5,378**		**5,847**		**40**		**12,151**	**611**		**215**		**4,499**

CRASH CUSHIONS

	STATION	LOCATION	614.0905 CRASH CUSHION TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
CAT 0010									
PROJECT NO: 2788-02-70									
STAGE 2									
	WB 281+97 - 282+15	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	BLUNT END OF TEMPORARY BARRIER
	US 45+99 - 46+17	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	BLUNT END OF TEMPORARY BARRIER
STAGE 2 SUBTOTAL			2						
2788-02-70 TOTAL			**2**						
CONSTRUCTION TOTALS			**2**						

TEMPORARY PEDESTRIAN

	STATION	LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
CAT 0010					
PROJECT NO: 2788-02-70					
STAGE 1					
	US 48+75 - 49+50	LT	388	1	--
	US 50+50 - 51+00	LT	519	1	--
	US 56+50 - 56+75	LT	126	1	--
	US 56+50 - 56+75	RT	77	1	--
STAGE 1 SUBTOTAL			**1,110**	**4**	**--**
STAGE 2					
2A	WB 281+75 - 282+50	LT	435	1	--
2A	US 46+50 - 49+75	RT	--	--	443
2A	US 48+75 - 49+50	LT	--	--	170
2B	US 48+75 - 49+75	LT	711	2	383
2B	US 49+00 - 49+50	RT	120	--	--
STAGE 2 SUBTOTAL			**1,266**	**3**	**996**
STAGE 3					
3A	US 49+25 - 49+50	LT/RT	--	--	141
3A	US 50+00 - 51+00	LT	477	1	190
3A	US 55+75 - 56+75	LT	597	1	124
3B	US 50+00 - 51+00	LT	444	1	177
3B	US 56+75	LT	40	1	--
3B	US 56+75	RT	258	1	136
STAGE 3 SUBTOTAL			**1,816**	**5**	**768**
STAGE 4					
	WB 273+75 - 275+00	LT/RT	107	--	72
	WB 281+75 - 283+25	LT/RT	114	--	98
	US 55+25 - 56+00	LT	--	--	78
STAGE 4 SUBTOTAL			**221**	**--**	**248**
2788-02-70 TOTAL			**4,413**	**12**	**2,012**
PROJECT NO: 2788-00-72					
STAGE 1					
	WB 339+75 - 341+00	RT	87	2	475
STAGE 1 SUBTOTAL			**87**	**2**	**475**
STAGE 4					
	WB 304+50- 306+00	RT/LT	88	--	70
	WB 340+00 - 341+25	RT/LT	152	--	111
STAGE 4 SUBTOTAL			**240**	**--**	**181**
2788-00-72 TOTAL			**327**	**2**	**656**
CONSTRUCTION TOTAL			**4,740**	**14**	**2,668**

FENCING

	STATION	LOCATION	616.0204 FENCE CHAIN LINK 4-FT LF
CAT 0010			
PROJECT NO: 2788-00-72			
STAGE 2			
	WB 289+08 - 289+49	LT	56
STAGE 2 SUBTOTAL			**56**
STAGE 3			
	WB 292+20 - 292+58	RT	54
STAGE 3 SUBTOTAL			**54**
2788-00-72 TOTAL			**110**
CONSTRUCTION TOTAL			**110**

3

3

PAVEMENT MARKING

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH WHITE LF
CAT 0010																										
PROJECT NO: 2788-02-70																										
STAGE 2																										
WB 262+98 - 274+55	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,649	1,782	--	272	198	--
WB 263+00 - 274+25	RT/LT	--	--	--	--	--	--	--	3,260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 264+50 - 267+00	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 274+55 - 282+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1394	1312	100
WB 275+00 - 281+75	RT/LT	--	--	--	--	--	--	--	890	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 280+50 - 282+54	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104	--	--	--	--	--
WB 283+00 - 283+71	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61	--	--	--	--	--
WB 283+00 - 284+75	RT/LT	--	--	--	--	--	--	--	510	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+33 - 284+75	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	254	284	100
FC 49+07	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--
FC 49+14	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80	--	--	--	--	--	--
US 34+25 - 43+00	LT/RT	--	--	--	--	--	--	--	1,940	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 34+40 - 38+35	LT/RT	--	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 34+45 - 50+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,270	1,620	113	1544	1420	100
US 36+94 - 50+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,628	2,565	--	--	--	111
US 36+94 - 42+52	LT/RT	560	1,786	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	--	--	--	--	--	--	--
US 38+35 - 40+40	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79	--	--	--	--	--	--	--	--
US 38+35 - 42+52	RT	417	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 38+87 - 49+25	LT	--	--	--	--	--	141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 39+64 - 41+54	RT	--	--	--	--	--	48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 40+00 - 41+54	RT	--	--	--	--	--	--	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 41+54 - 42+51	RT	--	--	--	--	--	98	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 41+77	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 41+77 - 42+51	RT	--	--	--	--	--	--	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 42+00	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 43+00 - 49+50	LT/RT	--	--	--	--	--	--	--	680	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 43+45 - 44+73	RT/LT	--	1,135	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 43+80	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	155	--	--	--	--	--	--
US 43+99 - 49+10	RT	534	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 44+00 - 47+96	LT	402	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 44+00 - 49+35	LT	--	--	--	--	--	142	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 44+45 - 49+10	RT	--	--	--	--	--	--	942	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 44+94	RT	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--
US 45+90	RT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 46+25 - 49+10	RT	--	--	--	--	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 46+94	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 47+98	RT	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--
US 49+01	RT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 49+15	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--
US 49+30	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--	--	--
US 49+40	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	219	--	--	--	--	--	--
US 50+25 - 54+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	774	652	100	--	--	--
US 50+50 - 53+75	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	727	595	396	--	--	--
US 50+75 - 54+00	LT/RT	--	--	--	--	--	--	--	960	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TO 9+40	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--	--
TO 9+52	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	154	--	--	--	--	--	--
TO 10+52	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	143	--	--	--	--	--	--
TO 10+60	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--	--
STAGE 2 SUBTOTAL		**1,913**	**3,015**	**--**	**--**	**--**	**507**	**1,152**	**8,240**	**--**	**6**	**--**	**--**	**4**	**40**	**122**	**--**	**79**	**150**	**751**	**7,213**	**7,214**	**609**	**3,464**	**3,214**	**411**

PAVEMENT MARKING (CONT.)

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF
CAT 0010																										
STAGE 3																										
WB 266+58 - 274+55	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	801	1,602	--	718	--	--
WB 266+58 - 273+87	LT	729	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 266+58 - 273+87	RT	730	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 266+58 - 273+87	LT	--	2,744	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	322	--	--	--	--	--	--	--
WB 270+38 - 271+79	RT	--	--	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 270+88 - 272+38	RT	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 271+79 - 273+87	RT	--	--	416	--	--	--	--	--	--	--	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--
WB 272+38 - 273+87	RT	--	--	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 272+58	RT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 273+08	RT	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--
WB 273+19 - 273+87	RT	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 273+58	RT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 274+55 - 281+70	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	981	1,411	319	--	--	--
WB 274+99 - 277+38	RT	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 274+99 - 281+73	RT	--	--	--	173	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 275+10 - 275+30	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--	--	--	--	--	--	--
WB 277+38 - 281+50	RT	--	--	--	--	861	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--	--	--	--
WB 277+56 - 278+56	RT	--	--	--	28	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 277+56 - 281+73	RT	405	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 278+10	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 278+56 - 281+73	RT	313	--	--	--	313	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 278+76	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 278+90	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 279+74	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 279+94	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 280+58	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 280+77 - 282+10	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	181	90	45	--	--	--
WB 280+77 - 281+21	RT	--	--	--	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 281+21	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 281+41	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 281+45	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--
WB 281+48	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--
WB 281+51	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47	--	--	--	--	--	--
WB 282+75 - 284+75	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	207	392	386	--	--	--
WB 283+00 - 284+50	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	135	--	--	--	--	--
WB 283+10 - 284+75	RT	--	--	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+15	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
WB 283+15 - 284+75	RT	--	158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+18 - 284+75	RT	--	157	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+20	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--
WB 283+84 - 284+75	RT	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FC 50+71	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82	--	--	--	--	--	--
FC 50+80	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--
US 42+50 - 49+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,966	1,358	100	--	--	--
US 43+50 - 49+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	894	881	101	--	--	--
US 49+75 - 63+10	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,667	2,588	100
US 49+75 - 65+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,037	2,967	350	--	--	--
US 50+67	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	217	--	--	--	--	--	--
US 50+77	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52	--	--	--	--	--	--	--	--	--
US 50+77 - 54+39	LT	--	--	--	--	--	--	722	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 50+77 - 55+48	LT	459	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 50+77 - 57+00	LT	--	--	--	--	--	155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 50+77 - 57+70	RT	--	--	--	--	--	176	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 50+80	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	29	--	1	--	--	--	--	--	--	--	--	--
US 50+80 - 55+70	RT	--	951	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 51+05	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 52+44	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
US 52+01 - 55+48	RT	347	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 51+00 - 54+39	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	215	--	--	--	--	--	--	--	--
US 53+83	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 54+00 - 55+75	RT	--	--	--	--	--	--	--	420	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 54+61 - 55+82	RT	--	--	--	--	--	--	230	--	--	--	--	--	--	--	--	--	45	--	--	--	--	--	--	--	--
US 55+45	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	152	--	--	--	--	--	--
US 55+74 - 56+42	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20	--	--	123	--	--	--	--	--	--
US 55+75	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--
US 55+94 - 56+59	LT	--	148	--	--	--	--	27	--	--	--	--	--	--	--	--	26	--	--	120	--	--	--	--	--	--
US 56+08 - 58+20	LT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 56+50 - 65+25	LT/RT	--	--	--	--	--	--	--	3,700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 56+59 - 65+06	LT/RT	--	2,703	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	538	--	--	--	--	--	--	--
US 56+60 - 58+15	LT	--	--	--	--	--	--	310	--	--	--	--	--	--	--	--	--	73	--	--	--	--	--	--	--	--
US 56+63 - 65+06	RT	719	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+06 - 61+91	LT	485	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+06 - 58+06	LT	--	--	--	--	--	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+34	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+43	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+70 - 60+75	RT	--	--	--	--	--	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 57+87	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
US 57+91	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 58+06 - 59+70	LT	--	--	--	--	--	41	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 60+75 - 61+75	RT	--	--	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
US 61+04	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
US 61+56	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 3 SUBTOTAL		**4,540**	**6,861**	**639**	**242**	**1,243**	**472**	**1,602**	**4,120**	**--**	**17**	**--**	**--**	**8**	**112**	**154**	**2**	**475**	**860**	**741**	**8,202**	**8,701**	**1,301**	**3,385**	**2,588**	**100**

3

PAVEMENT MARKING (CONT.)

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF
CAT 0010																										
STAGE 4																										
WB 266+58 - 274+55	RT/LT	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	355	356	--	962	1000	--
WB 273+87	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	206	--	--	--	--	--	--	--
WB 274+55 - 282+50	RT/LT	--	--	--	--	--	--	--	--	1,192	--	--	--	--	--	--	--	--	--	--	342	344	--	--	1192	--
WB 274+96	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	223	--	--	--	--	--	--	--
WB 274+99 - 276+87	LT	--	--	--	--	376	--	--	--	--	--	--	--	--	--	--	--	39	--	--	--	--	--	--	--	--
WB 274+99 - 276+98	LT	191	--	--	--	191	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 274+99 - 281+10	LT	613	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 274+99 - 281+73	LT	--	--	--	169	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 275+25 - 281+73	RT/LT	--	645	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 275+27	LT	--	--	--	--	--	--	--	--	--	2	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 275+98	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 276+17	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 276+70	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 276+98 - 279+00	LT	--	--	--	53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 276+98 - 279+50	LT	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 279+14	LT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 281+70	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--
WB 281+72	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
WB 281+76	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	215	--	--	--	--	--	--	--
WB 282+50 - 284+75	RT/LT	--	--	--	--	--	--	--	--	455	--	--	--	--	--	--	--	--	--	--	--	--	--	--	455	--
WB 283+10	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	218	--	--	--	--	--	--	--
WB 283+15	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--
WB 283+15 - 284+75	LT	144	--	--	195	470	--	--	--	--	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--
WB 283+18	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--
WB 283+25	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55	--	--	--	--	--	--	--
WB 283+46	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+59	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 283+67 - 284+06	LT	--	--	--	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+34	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+41	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 4 SUBTOTAL		**948**	**645**	**--**	**417**	**1,116**	**--**	**--**	**--**	**1,647**	**6**	**--**	**4**	**3**	**10**	**44**	**1**	**96**	**--**	**917**	**697**	**700**	**--**	**962**	**2,647**	**--**
UNDISTRIBUTED		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**350**	**50**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
2788-02-70 TOTAL		**7,401**	**10,521**	**639**	**659**	**2,359**	**979**	**2,754**	**12,710**	**1,697**	**29**	**--**	**4**	**15**	**162**	**320**	**3**	**650**	**1,010**	**2,409**	**16,112**	**16,615**	**1,910**	**7,811**	**8,449**	**511**

3

PAVEMENT MARKING (CONT.)

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF
CAT 0010																										
PROJECT NO: 2788-00-72																										
STAGE 2																										
WB 284+75 - 288+25	RT	--	--	--	--	--	--	--	1,040	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+60	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	719	652	--
WB 288+60 - 305+25	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2750	3028	190
WB 289+50 - 304+75	LT/RT	--	--	--	--	--	--	--	6,400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 305+25 - 310+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	974	952	118
WB 305+50 - 310+50	LT/RT	--	--	--	--	--	--	--	2,030	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 330+50 - 340+00	LT/RT	--	--	--	--	--	--	--	3,270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 330+50 - 340+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2053	1892	--
WB 340+50 - 342+32	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	450	252	100
WB 341+00 - 342+50	LT/RT	--	--	--	--	--	--	--	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DWY 49+10	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--	--	--
DWY 49+20	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90	--	--	--	--	--	--
CC 47+99 - 48+63	RT	--	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 47+99 - 49+26	LT	--	223	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91	--	--	--	--	--	--	--
CC 48+22 - 49+22	RT	--	--	--	--	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 48+42	RT	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 48+63 - 49+22	RT	--	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 49+22	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--
CC 49+29	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	138	--	--	--	--	--	--
NV 42+25 - 47+11	LT	596	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 42+25 - 49+20	RT	706	1,672	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--	--	--
NV 44+50 - 49+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 46+37 - 49+20	RT	--	--	--	--	--	--	311	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 50+00 - 51+50	LT/RT	--	--	--	--	--	--	--	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 46+57	RT	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 47+76	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
NV 48+94	RT	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 49+20	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--
NV 49+30	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99	--	--	--	--	--	--
STAGE 2 SUBTOTAL		**1,302**	**2,062**	**--**	**--**	**58**	**--**	**311**	**13,220**	**--**	**3**	**3**	**--**	**1**	**30**	**82**	**--**	**--**	**116**	**327**	**--**	**--**	**--**	**6,946**	**6,776**	**408**

3

PAVEMENT MARKING (CONT.)

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF
CAT 0010																										
STAGE 3																										
WB 284+75 - 289+25	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	450	666	202	--	--	--
WB 284+75 - 284+79	RT	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+00	RT	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+11	RT	--	675	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+68	RT	--	--	--	99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+79 - 286+02	RT	--	--	--	34	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 286+ 35	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 286+15 - 288+00	RT	--	--	--	187	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 286+61 - 288+11	RT	--	--	--	--	300	--	--	--	--	--	--	--	--	--	--	--	--	137	--	--	--	--	--	--	--
WB 287+04	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 287+21	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 287+38	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 287+72	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 288+60 - 305+25	LT/RT	--	--	--	--	--	--	--	--	6,138	--	--	--	--	--	--	--	--	--	--	--	--	--	2,873	3,078	187
WB 288+75 - 304+64	RT	--	--	--	399	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+25	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--	--	--	--
WB 289+40 - 304+64	RT	--	1,521	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+72 - 304+64	RT	1,492	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 300+61 - 302+73	RT	--	--	--	53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 301+11 - 302+73	RT	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 301+11 - 304+75	RT	--	--	--	--	706	--	--	--	--	--	--	--	--	--	--	--	--	153	--	--	--	--	--	--	--
WB 301+81	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 302+73 - 304+75	RT	--	--	--	190	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 302+91	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 303+09	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 303+61	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 304+36	RT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 304+75	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--	--	--	--
WB 305+25 - 340+50	LT/RT	--	--	--	--	--	--	--	--	11,365	--	--	--	--	--	--	--	--	--	--	1,223	1,087	100	5,483	5,700	182
WB 305+75	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--	--	--	--
WB 305+80 - 340+00	RT	3,088	3,404	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 305+80 - 340+23	RT	--	--	--	854	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 310+50 - 330+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 336+75 - 337+93	RT	--	--	--	30	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 336+75 - 340+00	RT	306	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 337+33 - 340+00	RT	--	--	--	--	525	--	--	--	--	--	--	--	--	--	--	--	--	124	--	--	--	--	--	--	--
WB 337+86	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 337+93 - 340+00	RT	--	--	--	209	208	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 338+12	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 338+75	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 338+85	RT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
WB 339+26 - 339+50	RT	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 339+50	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 339+65	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 339+80	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--
WB 339+85	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--	1	--	--	--	--	--	--	--	--	--
WB 339+85	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--
WB 340+15	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--
WB 340+50 - 345+25	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	997	830	--	--	--	--
WB 341+24 - 342+32	RT	--	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 341+32 - 342+32	RT	100	100	--	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DWY 50+70	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	170	--	--	--	--	--	--
DWY 50+70 - 51+84	LT	--	--	--	--	107	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DWY 51+06	LT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DWY 50+77	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--
CC 50+75	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--
CC 50+80	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	127	--	--	--	--	--	--
CC 50+85 - 52+59	RT	--	317	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	--	--	--	--	--	--	--
CC 50+90	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--
CC 50+90 - 51+89	LT	--	90	--	--	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 51+69	LT	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CC 51+89 - 52+59	LT	--	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 50+25 - 56+75	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 50+60	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120	--	--	--	--	--	--
NV 50+69	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--
NV 50+69 - 52+95	LT	--	--	--	--	--	221	221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 50+69 - 53+53	LT	--	--	--	--	--	--	277	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 50+69 - 57+87	RT/LT	723	1,653	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 51+05	LT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 51+90	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
NV 52+08 - 57+87	RT	573	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 52+19	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
NV 52+75	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 52+95 - 54+49	LT	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 52+95 - 54+85	LT	--	--	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 53+33	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NV 53+53 - 55+00	RT	--	--	--	--	--	--	24	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--	--	--
STAGE 3 SUBTOTAL		**6,611**	**8,000**	**--**	**2,087**	**2,449**	**271**	**561**	**--**	**17,503**	**18**	**1**	**--**	**8**	**193**	**169**	**1**	**414**	**134**	**417**	**2,670**	**2,583**	**302**	**8,356**	**8,778**	**369**

PAVEMENT MARKING (CONT.)

STATION	LOCATION	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0126 EPOXY 8-INCH WHITE LF	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH WHITE LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	646.0881.S GROOVED WET REFLECTIVE TAPE 4-INCH WHITE LF	646.0883.S GROOVED WET REFLECTIVE TAPE 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	646.0690.S REMOVING PAVEMENT MARKINGS WATER BLASTING LF	647.0166 EPOXY ARROWS TYPE 2 WHITE EACH	647.0176 EPOXY ARROWS TYPE 3 WHITE EACH	647.0196 EPOXY ARROWS TYPE 5 WHITE EACH	647.0356 EPOXY WORDS WHITE EACH	647.0456 EPOXY CURB YELLOW LF	647.0566 EPOXY STOP LINE 18-INCH WHITE LF	647.0606 EPOXY ISLAND NOSE YELLOW EACH	647.0726 EPOXY DIAGONAL 12-INCH WHITE LF	647.0726 EPOXY DIAGONAL 12-INCH YELLOW LF	647.0766 CROSS WALK EPOXY WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH WHITE LF	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH YELLOW LF	649.0802 TEMPORARY PAVEMENT MARKING PAINT 8-INCH LF
CAT 0010																										
STAGE 4																										
WB 284+75 - 288+60	RT/LT	--	--	--	--	--	--	--	--	788	--	--	--	--	--	--	--	--	--	--	--	--	--	788	--
WB 284+75 - 286+06	LT	--	--	--	--	264	--	--	--	--	--	--	--	--	--	--	--	63	--	--	--	--	--	--	--
WB 284+75 - 286+77	LT	--	--	--	202	202	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+07	LT	332	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 284+75 - 288+68	LT	--	--	--	99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 285+09	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 285+36	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 285+83	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 286+57	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 286+77 - 288+07	LT	--	--	--	27	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 288+25	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	44	--	--	--	--	--	--	--	--	--	--
WB 288+60 - 305+25	RT/LT	--	--	--	--	--	--	--	--	3,311	--	--	--	--	--	--	--	--	--	--	--	--	--	3,311	--
WB 288+75 - 304+64	LT	--	--	--	399	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+25 - 291+11	LT	--	--	--	186	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+25 - 292+25	LT	306	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+35 - 292+84	LT	--	--	--	--	700	--	--	--	--	--	--	--	--	--	--	--	148	--	--	--	--	--	--	--
WB 289+35 - 304+64	LT	--	1,529	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+54	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 289+63	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 290+23	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 290+83	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 290+96	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 291+11 - 292+25	LT	--	--	--	30	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 292+00	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 292+86 - 304+64	LT	1,235	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 304+75	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	198	--	--	--	--	--
WB 305+25 - 340+23	RT/LT	--	--	--	--	--	--	--	--	6,986	--	--	--	--	--	--	--	--	--	--	--	--	--	6,986	--
WB 305+80 - 308+95	LT	--	--	--	191	191	--	--	--	--	--	--	--	--	--	--	--	--	--	194	--	--	--	--	--
WB 305+80 - 308+95	LT	305	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 305+80 - 309+43	LT	--	--	--	--	707	--	--	--	--	--	--	--	--	--	--	--	175	--	--	--	--	--	--	--
WB 305+80 - 340+23	LT	--	3,404	--	857	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 306+18	LT	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 306+86	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 306+89	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 307+54	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 307+61	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 307+81 - 308+91	LT	--	--	--	28	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 308+23	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 308+91	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 308+91 - 340+00	LT	3,104	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 340+20	RT/LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	238	--	--	--	--	--
WB 340+94 - 342+32	RT/LT	--	--	--	--	--	--	--	--	264	--	--	--	--	--	--	--	--	--	--	--	--	--	264	--
WB 341+10	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	179	--	--	--	--	--
WB 341+15	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--
WB 341+20	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--
WB 341+24	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44	--	--	--	--	--	--	--	--	--
WB 341+24 - 342+32	LT	97	--	--	137	358	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 341+50	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 341+76	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WB 341+90	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WB 342+03	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
STAGE 4 SUBTOTAL		**5,379**	**4,933**	**--**	**2,154**	**2,694**	**--**	**--**	**--**	**11,349**	**14**	**--**	**--**	**8**	**44**	**65**	**--**	**386**	**--**	**857**	**--**	**--**	**--**	**11,349**	**--**
UNDISTRIBUTED		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**400**	**550**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
2788-00-72 TOTAL		**13,292**	**14,995**	**--**	**4,241**	**5,201**	**271**	**871**	**13,620**	**29,402**	**35**	**4**	**--**	**17**	**267**	**316**	**1**	**800**	**250**	**1,601**	**2,670**	**2,583**	**302**	**15,302**	**26,903**	**777**
CONSTRUCTION TOTAL		**20,693**	**25,516**	**639**	**4,900**	**7,560**	**1,250**	**3,625**	**26,330**	**31,099**	**64**	**4**	**4**	**32**	**429**	**636**	**4**	**1,450**	**1,260**	**4,010**	**18,782**	**19,198**	**2,212**	**23,113**	**35,352**	**1,288**

CONSTRUCTION STAKING

STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0090.02 CONSTRUCTION STAKING SIDEWALK LF
CAT 0010							
PROJECT NO: 2788-02-70							
WB 264+66- 273+75	LT/RT	909	--	--	--	909	--
WB 273+75 - 282+50	LT/RT	875	--	--	875	875	507
WB 282+50 - 284+75	LT/RT	225	--	--	225	225	170
FC 48+40 - 50+00	LT/RT	160	160	66	--	160	43
FC 50+00 - 51+50	LT/RT	150	150	--	--	150	--
US 38+50 - 50+00	LT/RT	1,150	1,150	3,449	--	1,150	532
US 50+00 - 62+35	LT/RT	1,235	1,235	3,020	--	1,235	664
2788-02-70 TOTAL		**4,704**	**2,695**	**6,535**	**1,100**	**4,704**	**1916**
PROJECT NO: 2788-00-72							
WB 284+75 - 288+75	LT/RT	400	--	--	400	400	516
WB 288+75 - 305+25	LT/RT	1,650	--	--	1,650	1,650	144
WB 305+25 - 340+50	LT/RT	3,525	--	--	3,525	3,525	890
WB 340+50 - 342+30	LT/RT	180	--	--	180	180	142
DWY 48+25 - 50+00	LT/RT	175	175	185	--	175	--
DWY 50+00 - 51+50	LT/RT	150	150	107	--	150	--
CC 48+00 - 50+00	LT/RT	200	200	339	--	200	283
CC 50+00 - 52+75	LT/RT	275	275	577	--	275	218
NV 44+50 - 50+00	LT/RT	550	550	759	--	550	31
NV 50+00 - 56+65	LT/RT	665	665	675	--	665	386
2788-00-72 TOTAL		**7,770**	**2,015**	**2,642**	**5,755**	**7,770**	**2610**
CONSTRUCTION TOTAL		**12,474**	**4,710**	**9,178**	**6,855**	**12,474**	**4,526**

GEOGRID

STATION	LOCATION	311.0110 BREAKER RUN TON	SPV.0180.08 GEOGRID REINFORCEMENT SY
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 1			
WB 275+50 - 281+50	RT	5555	2,806
US 52+00 - 60+00	RT	3689	1,863
STAGE 1 SUBTOTAL		**9244**	**4,669**
STAGE 2			
WB 278+50 - 283+00	LT	2593	1,310
US 44+00 - 45+00	LT	1096	553
STAGE 2 SUBTOTAL		**3689**	**1,863**
STAGE 3			
WB 279+75 - 280+00	RT	175	88
US 52+00 - 60+00	LT	1760	889
STAGE 3 SUBTOTAL		**1935**	**977**
2788-02-70 TOTAL		**14,868**	**7,509**
PROJECT NO: 2788-00-72			
STAGE 2			
WB 287+00 - 288+25	LT	361	912
WB 289+00 - 290+25	LT	830	419
WB 322+90 - 324+00	LT	509	257
STAGE 2 SUBTOTAL		**1,700**	**1,588**
2788-00-72 TOTAL		**1,700**	**1,588**
CONSTRUCTION TOTAL		**16,568**	**9,097**

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SAWING

STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CAT 0010			
PROJECT NO: 2788-02-70			
STAGE 1			
WB 264+50 - 273+00	LT/RT	1,483	--
WB 275+25 - 282+00	RT	711	--
WB 282+75 - 284+75	RT	242	--
US 38+50 - 49+75	LT	219	--
US 50+75 - 55+75	RT	505	--
US 56+25 - 60+50	RT	426	--
STAGE 1 SUBTOTAL		**3,586**	**--**
STAGE 2			
WB 275+24	LT	--	5
WB 281+18	LT	--	5
WB 283+51	LT	--	5
FC 48+50	LT/RT	34	10
US 38+50 - 42+50	LT/RT	663	--
US 39+52	LT	--	5
US 40+45	RT	--	5
US 46+58	RT	5	--
TO 11+90	LT/RT	23	--
TU 8+87 - 8+90	LT/RT	77	--
STAGE 2 SUBTOTAL		**802**	**35**
STAGE 3			
FC 51+50	LT/RT	24	--
US 56+00 - 56+39	LT	37	5
US 56+05 - 56+27	RT	23	--
US 59+37 - 60+40	RT	105	--
US 59+75 - 62+25	LT/RT	372	--
STAGE 3 SUBTOTAL		**561**	**5**
2788-02-70 TOTAL		**4,949**	**40**

SAWING (CONT.)

STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CAT 0010			
PROJECT NO: 2788-00-72			
STAGE 1			
WB 284+75 - 286+50	RT	173	--
WB 335+00 - 340+25	RT	572	--
WB 340+50 - 345+75	RT	218	--
STAGE 1 SUBTOTAL		**963**	**--**
STAGE 2			
WB 287+49	LT	--	5
DWY 48+25	LT/RT	21	--
CC 48+00	LT/RT	50	10
NV 44+50	LT/RT	24	--
NV 44+68 - 44+86	LT	18	--
NV 46+39 - 46+57	RT	--	18
NV 46+75 - 46+88	LT	13	--
NV 47+69 - 48+13	LT	--	44
NV 47+94 - 48+14	RT	--	20
STAGE 2 SUBTOTAL		**125**	**97**
STAGE 3			
WB 290+50	RT	10	--
WB 302+75	RT	10	--
WB 306+80	RT	10	--
WB 320+92	RT	10	--
WB 321+08	RT	10	--
WB 324+94	RT	10	--
WB 325+06	RT	10	--
WB 327+92	RT	10	--
WB 328+07	RT	10	--
WB 330+89	RT	10	--
WB 331+11	RT	10	--
WB 332+50	RT	10	--
DWY 51+25	LT	27	--
DWY 51+50	RT	17	5
CC 51+80 - 52+08	LT	--	28
CC 52+44 - 52+61	LT	--	17
CC 52+75	LT/RT	40	10
NV 55+00	RT	--	5
NV 56+75	LT/RT	31	--
STAGE 3 SUBTOTAL		**235**	**65**
2788-00-72 TOTAL		**1,323**	**162**
CONSTRUCTION TOTAL		**6,272**	**202**

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REMOVING CONCRETE BASES

EXISTING BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
CB1	1
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
*** TOTAL	11

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
*** TOTAL	17

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	PB1	--	33
PB1	PB2	--	112
PB2	PB3	--	26
PB3	PB4	187	--
PB4	PB5	150	--
PB3	PB6	--	126
PB6	PB7	13	--
PB6	PB8	--	148
PB8	PB9	--	32
PB9	PB10	185	--
PB10	PB11	149	--
PB9	PB12	--	52
PB12	PB13	--	33
PB12	PB14	--	126
PB14	PB15	--	15
PB14	PB16	--	90
PB16	PB17	--	78
PB17	PB18	--	114
PB18	PB19	209	--
PB19	PB20	149	--
PB18	PB21	--	124
PB21	PB22	--	134
PB22	PB23	--	54
PB23	PB24	188	--
PB24	PB25	149	--
PB23	PB26	--	56
PB26	PB27	--	30
PB26	PB28	--	124
PB28	PB29	--	12
PB28	PB30	--	90
PB30	CB1	--	44
PB1	SB1	--	7
PB1	SB2	16	--
PB1	SB3	31	--
PB6	SB4	150	--
PB13	SB5	--	12
PB13	SB6	6	--
PB15	SB7	--	13
PB14	SB8	160	--
PB17	SB9	--	8
PB17	SB10	8	--
PB18	SB11	33	--
PB21	SB12	148	--
PB27	SB13	--	17
PB27	SB14	9	--
PB29	SB15	--	11
PB28	SB16	184	--
PB9	SB17	7	--
PB23	SB18	21	--
	***TOTALS	2152	1721

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES STEEL 24X36 INCH
PULL BOXES STEEL 24X42-INCH

PULL BOX NO.	STATION	OFFSET	653.0135 PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
PB1	281+58.1	68.5 LT	--	1
PB2	49+08.3	56.5 RT	--	1
PB3	48+95.6	56.5 RT	--	1
PB4	47+11.3	56.5 RT	1	--
PB5	45+61.3	52.5 RT	1	--
PB6	48+95.6	6.0 LT	--	1
PB7	49+08.5	6.0 LT	1	--
PB8	48+95.6	80.4 LT	--	1
PB9	283+55.3	80.4 LT	--	1
PB10	285+39.4	61.6 LT	1	--
PB11	286+89.3	61.0 LT	1	--
PB12	283+55.3	54.1 LT	--	1
PB13	283+22.5	59.2 LT	1	--
PB14	283+55.3	8.7 RT	--	1
PB15	283+40.6	9.4 RT	1	--
PB16	283+55.3	54.1 RT	--	1
PB17	283+19.2	68.7 RT	--	1
PB18	51+07.5	48.5 LT	--	1
PB19	53+18.9	48.5 LT	1	--
PB20	54+70.0	48.5 LT	1	--
PB21	51+07.8	13.8 RT	--	1
PB22	51+08.1	80.3 RT	--	1
PB23	281+33.8	81.2 RT	--	1
PB24	279+48.3	61.0 RT	1	--
PB25	277+98.6	56.9 RT	1	--
PB26	281+33.8	53.4 RT	--	1
PB27	281+62.8	58.7 RT	1	--
PB28	281+33.8	8.8 LT	--	1
PB29	281+46.2	9.4 LT	1	--
PB30	281+33.8	54.2 LT	--	1
		***TOTALS	13	17

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

3

CONDUIT LOOP DETECTOR
LOOP DETECTOR LEAD IN CABLE
LOOP DETECTOR WIRE

LOOP NO.	HOME RUN PB	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
11	PB29	281+43.6	2.6 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	71	94	223
12	PB29	281+71.4	0.2 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	71	94	224
21	PB11	286+89.3	27.0 LT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	566	410
22	PB10	285+39.0	27.8 LT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	421	410
31	PB21	51+02.3	3.3 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	254	220
32	PB21	50+74.4	4.2 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	254	256
41	PB5	45+61.4	32.9 RT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	425	314
42	PB4	47+11.3	35.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	75	279	235
43	PB2	49+04.4	40.9 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	87	244
44	PB2	49+32.1	41.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	87	244
45	PB2	49+04.4	28.9 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	87	316
46	PB2	49+32.2	29.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	87	316
FUTURE 51	PB15	283+43.1	3.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	329	226
FUTURE 52	PB15	283+15.3	0.2 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	329	226
61	PB25	277+98.6	27.0 RT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	497	378
62	PB24	279+48.6	27.5 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	99	352	307
71	PB7	49+04.4	16.9 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	164	286
72	PB7	49+32.3	17.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	164	286
73	PB7	49+04.4	4.9 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	164	220
74	PB7	49+32.4	5.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	164	220
81	PB20	54+70.0	27.0 LT	6'x20'	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	75	662	385
82	PB19	53+18.9	27.0 LT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	75	517	310
83	PB18	51+02.8	33.3 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	312	244
84	PB18	50+74.6	33.3 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	87	312	271
85	PB18	51+02.8	21.3 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	312	316
86	PB18	50+74.6	21.3 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	312	328
						*** TOTALS	2187	7325	7415

* STATION AND LOCATION IS TO FRONT CENTER OF DETECTION LOOP
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE BASES TYPE 1
CONCRETE BASES TYPE 2
CONCRETE BASES TYPE 5
CONCRETE BASES TYPE 10
CONCRETE BASES TYPE 13
CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL

BASE NO.	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH
CB1	281+47.8	71.5 LT	--	--	--	--	--	1
SB1	281+58.1	61.9 LT	--	--	--	--	1	--
SB2	281+73.7	71.7 LT	1	--	--	--	--	--
SB3	49+32.4	69.9 RT	--	1	--	--	--	--
SB4	47+45.0	6.0 LT	--	--	1	--	--	--
SB5	49+31.7	54.1 LT	--	--	--	--	1	--
SB6	283+18.7	55.1 LT	1	--	--	--	--	--
SB7	283+27.8	9.9 RT	--	--	--	1	--	--
SB8	285+15.0	6.4 RT	--	--	1	--	--	--
SB9	283+25.7	64.3 RT	--	--	--	--	1	--
SB10	283+12.4	71.2 RT	1	--	--	--	--	--
SB11	50+75.9	58.6 LT	--	1	--	--	--	--
SB12	52+55.0	10.6 RT	--	--	1	--	--	--
SB13	50+73.1	60.8 RT	--	--	--	--	1	--
SB14	281+69.4	54.3 RT	1	--	--	--	--	--
SB15	281+56.6	9.9 LT	--	--	--	1	--	--
SB16	279+50.0	6.2 LT	--	--	1	--	--	--
SB17	283+61.6	79.1 LT	--	--	1	--	--	--
SB18	281+13.5	76.8 RT	--	--	1	--	--	--
		*** TOTALS	4	2	6	2	4	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES FOUND ELSEWHERE

INTERSECTION OF
USH 18 / STH 318 & SUMMIT AVENUE
ALL ITEMS CATEGORY 0020

3

CABLE TRAFFIC SIGNAL 5-14 AWG
CABLE TRAFFIC SIGNAL 7-14 AWG
CABLE TRAFFIC SIGNAL 12-14 AWG

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.
CB1	SB1	--	45	--
SB1	HEAD 7	64	--	--
SB1	HEAD 8	52	--	--
CB1	SB2	--	54	--
SB2	HEAD 22	15	--	--
CB1	SB3	--	--	69
SB3	HEAD 14	--	22	--
SB3	HEAD 16	21	--	--
SB3	HEAD 23	15	--	--
CB1	SB5	--	--	443
SB5	HEAD 12	58	--	--
SB5	HEAD 13	46	--	--
SB5	HEAD 15	--	79	--
SB5	HEAD 24	15	--	--
CB1	SB6	--	--	437
SB6	HEAD 4	--	22	--
SB6	HEAD 6	21	--	--
SB6	HEAD 25	15	--	--
CB1	SB7	--	505	--
SB7	HEAD 5	--	42	--
CB1	SB9	--	517	--
SB9	HEAD 2	66	--	--
SB9	HEAD 3	54	--	--
CB1	SB10	--	516	--
SB10	HEAD 26	15	--	--
CB1	SB11	--	--	469
SB11	HEAD 11	21	--	--
SB11	HEAD 27	15	--	--
CB1	SB13	--	--	250
SB13	HEAD 17	57	--	--
SB13	HEAD 18	45	--	--
SB13	HEAD 19	80	--	--
SB13	HEAD 20	69	--	--
SB13	HEAD 28	15	--	--
CB1	SB14	--	--	242
SB14	HEAD 1	21	--	--
SB14	HEAD 9	--	22	--
SB14	HEAD 21	15	--	--
CB1	SB15	--	148	--
SB15	HEAD 10	--	42	--
	*** TOTALS	795	2,014	1,910

*** ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\030201_mq.dgn PLOT DATE : 7/6/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 34.0000 sf / in.
WISDOT/CADDS SHEET 43

INTERSECTION OF
USH 18 / STH 318 & SUMMIT AVENUE
ALL ITEMS CATEGORY 0020

3

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515 L.F.
CB1	SB1	45
SB1	SB2	47
SB2	SB3	71
SB3	SB5	460
SB5	SB6	42
SB6	SB7	202
SB7	SB9	192
SB9	SB10	40
SB10	SB11	138
SB11	SB13	368
SB13	SB14	50
SB14	SB15	196
SB15	CB1	149
PB1	SB1	17
PB2	SB1	75
PB3	SB1	90
PB6	SB4	124
PB8	SB17	39
PB9	SB17	23
PB12	SB6	51
PB13	SB6	16
PB14	SB7	40
PB15	SB7	23
PB16	SB9	59
PB17	SB9	18
PB18	SB11	43
PB21	SB11	107
PB22	SB18	65
PB23	SB18	31
PB26	SB14	51
PB27	SB14	19
PB28	SB15	35
PB29	SB15	21
PB30	CB1	35
	***TOTAL	2982

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.
USH 18/STH 318 & SUMMIT AVENUE	1
TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

TRAFFIC SIGNAL EVP DETECTOR CABLE
TYPE UF CABLE 2-CONDUCTOR NO. 14

FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	SPV.0090.41 TYPE UF CABLE 2-CONDUCTOR NO. 14 L.F.
CB1	SB1 (HEAD A)	80	80
CB1	SB9 (HEAD B)	622	622
CB1	SB13 (HEAD C)	282	282
CB1	SB5 (HEAD D)	478	478
	*** TOTAL	1462	1462

*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CABLE TYPE UF 2-10 AWG
ELECTRICAL WIRE LIGHTING 12 AWG

		655.0315 CABLE TYPE UF 2-10 AWG (W/ GROUND) L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB3	69	--
SB3	LUMIN	--	117
SB3	SB4	385	--
SB4	LUMIN	--	117
SB4	SB17	303	--
SB17	LUMIN	--	117
SB17	SB5	118	--
SB5	LUMIN	--	144
SB5	SB7	208	--
SB7	LUMIN	--	288
SB7	SB8	228	--
SB8	LUMIN	--	117
CB1	SB15	148	--
SB15	LUMIN	--	288
SB15	SB16	246	--
SB16	LUMIN	--	117
SB16	SB13	348	--
SB13	LUMIN	--	144
SB13	SB18	151	--
SB18	LUMIN	--	117
SB18	SB12	319	--
SB12	LUMIN	--	117
SB12	SB11	283	--
SB11	LUMIN	--	117
	***TOTALS	2806	1800

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

SHEET 4 OF 7

INTERSECTION OF
USH 18 / STH 318 & SUMMIT AVENUE
ALL ITEMS CATEGORY 0020

PEDESTAL BASES
TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE
POLES TYPE 3
POLES TYPE 5 ALUMINUM
TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT
TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT
LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT
LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT
INSTALL POLES TYPE 10
INSTALL POLES TYPE 12
INSTALL POLES TYPE 13
INSTALL MONOTUBE ARMS 20-FT
INSTALL MONOTUBE ARMS 40-FT
INSTALL MONOTUBE ARMS 45-FT
INSTALL MONOTUBE ARMS 55-FT
INSTALL LUMINAIRE ARM STEEL 15-FT
PEDESTRIAN PUSH BUTTONS
LUMINAIRES UTILITY LED CATEGORY C

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	657.1350 INSTALL POLES TYPE 10 EACH	657.1355 INSTALL POLES TYPE 12 EACH	657.1360 INSTALL POLES TYPE 13 EACH	657.1520 INSTALL MONOTUBE ARMS 20-FT EACH	657.1540 INSTALL MONOTUBE ARMS 40-FT EACH	657.1545 INSTALL MONOTUBE ARMS 45-FT EACH	657.1555 INSTALL MONOTUBE ARMS 55-FT EACH	657.1815 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	--	--
SB2	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB3	--	1	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1	1
SB4	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SB5	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1	1	1
SB6	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--
SB7	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	2	--	2
SB8	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SB9	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
SB10	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB11	--	1	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1	1
SB12	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SB13	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1	1	1
SB14	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--
SB15	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	2	--	2
SB16	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SB17	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SB18	--	1	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
***TOTALS	4	8	2	6	2	2	2	6	2	2	2	2	1	1	2	6	8	14

*** ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO:2788-02-70	HWY:USH 18 / STH 318	COUNTY:WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\03_USH 18\030201_mq.dgn PLOT DATE : 7/6/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 34.0000 sf / in.
WISDOT/CADDS SHEET 43

INTERSECTION OF
USH 18 / STH 318 & SUMMIT AVENUE
ALL ITEMS CATEGORY 0020

3

3

TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL
TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL
BACKPLATES SIGNAL FACE 3 SECTION 12-INCH
BACKPLATES SIGNAL FACE 4 SECTION 12-INCH
PEDESTRIAN SIGNAL FACE 16-INCH
LED MODULES 12-INCH RED BALL
LED MODULES 12-INCH YELLOW BALL
LED MODULES 12-INCH GREEN BALL
LED MODULES 12-INCH RED ARROW
LED MODULES 12-INCH YELLOW ARROW
LED MODULES 12-INCH GREEN ARROW
LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH EACH	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0600 LED MODULES 12-INCH RED BALL EACH	658.0605 LED MODULES 12-INCH YELLOW BALL EACH	658.0610 LED MODULES 12-INCH GREEN BALL EACH	658.0615 LED MODULES 12-INCH RED ARROW EACH	658.0620 LED MODULES 12-INCH YELLOW ARROW EACH	658.0625 LED MODULES 12-INCH GREEN ARROW EACH	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH EACH
1	SB14	1	--	1	--	--	1	1	1	--	--	--	--
2	SB9	1	--	1	--	--	1	1	1	--	--	--	--
3	SB9	1	--	1	--	--	1	1	1	--	--	--	--
4	SB6	--	1	--	1	--	--	--	--	1	2	1	--
5	SB7	--	1	--	1	--	--	--	--	1	2	1	--
6	SB6	1	--	1	--	--	1	1	1	--	--	--	--
7	SB1	1	--	1	--	--	1	1	1	--	--	--	--
8	SB1	1	--	1	--	--	1	1	1	--	--	--	--
9	SB14	--	1	--	1	--	--	--	--	1	2	1	--
10	SB15	--	1	--	1	--	--	--	--	1	2	1	--
11	SB11	1	--	1	--	--	1	1	1	--	--	--	--
12	SB5	1	--	1	--	--	1	1	1	--	--	--	--
13	SB5	1	--	1	--	--	1	1	1	--	--	--	--
14	SB3	--	1	--	1	--	--	--	--	1	2	1	--
15	SB5	--	1	--	1	--	--	--	--	1	2	1	--
16	SB3	1	--	1	--	--	1	1	1	--	--	--	--
17	SB13	1	--	1	--	--	1	1	1	--	--	--	--
18	SB13	1	--	1	--	--	1	1	1	--	--	--	--
19	SB13	1	--	1	--	--	--	--	--	1	1	1	--
20	SB13	1	--	1	--	--	--	--	--	1	1	1	--
21	SB14	--	--	--	--	1	--	--	--	--	--	--	1
22	SB2	--	--	--	--	1	--	--	--	--	--	--	1
23	SB3	--	--	--	--	1	--	--	--	--	--	--	1
24	SB5	--	--	--	--	1	--	--	--	--	--	--	1
25	SB6	--	--	--	--	1	--	--	--	--	--	--	1
26	SB10	--	--	--	--	1	--	--	--	--	--	--	1
27	SB11	--	--	--	--	1	--	--	--	--	--	--	1
28	SB13	--	--	--	--	1	--	--	--	--	--	--	1
	***TOTAL	14	6	14	6	8	12	12	12	8	14	8	8

*** ADDITIONAL QUANTITIES FOUND ELSEWHERE

SHEET 6 OF 7

PROJECT NO: 2788-02-70	HWY: USH 18 / STH 318	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET	E

3

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS, USH 18/ STH 318 & SUMMIT AVENUE
GENERATORS
TEMPORARY INFRARED EVP SYSTEM, USH 18/ STH 318 & SUMMIT AVENUE
TEMPORARY VEHICLE DETECTION SYSTEM, USH 18/ STH 318 & SUMMIT AVENUE

LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAYS	SPV.0105.53 TEMPORARY INFRARED EVP SYSTEM L.S.	SPV.0105.51 TEMPORARY VEHICLE DETECTION SYSTEM L.S.
USH 18/ STH 318 & SUMMIT AVENUE	1	2	1	1
*** TOTALS	1	2	1	1

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EVP DETECTOR HEAD INSTALLATION AT USH 18/STH 318 & SUMMIT AVENUE

LOCATION	SPV.0105.47 EVP DETECTOR HEAD INSTALLATION L.S.
USH 18/STH 318 & SUMMIT AVENUE	1
TOTAL	1

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 L.S.
USH 18/STH 318 & SUMMIT AVENUE	1
TOTAL	1

TRANSPORTING SIGNAL AND LIGHTING MATERIALS AT USH 18/STH 318 & SUMMIT AVENUE

LOCATION	SPV.0105.49 TRANSPORTING SIGNAL AND LIGHTING MATERIALS L.S.
USH 18/STH 318 & SUMMIT AVENUE	1
TOTAL	1

REMOVE TRAFFIC SIGNALS, USH 18 & CTH TT
REMOVE LOOP DETECTOR WITE AND LEAD-IN CABLE, USH 18 & CTH TT

LOCATION	SPV.0105.41 REMOVE TRAFFIC SIGNALS L.S.	SPV.0105.43 REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE L.S.
USH 18 & CTH TT	1	1
TOTAL	1	1

INSTALL STATE-FURNISHED TRAFFIC SIGNAL CABINET, USH 18/STH 318 & SUMMIT AVENUE

LOCATION	SPV.0105.45 INSTALL STATE-FURNISHED TRAFFIC SIGNAL CABINET L.S.
USH 18/STH 318 & SUMMIT AVENUE	1
TOTAL	1

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	LS	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	EACH	POLES TYPE 10
2	EACH	POLES TYPE 12
2	EACH	POLES TYPE 13
2	EACH	MONOTUBE ARMS 20-FT
1	EACH	MONOTUBE ARMS 40-FT
1	EACH	MONOTUBE ARMS 45-FT
2	EACH	MONOTUBE ARMS 55-FT
6	EACH	LUMINAIRE ARMS STEEL 15-FT
1	LS	EVP DETECTION SYSTEM

3

REMOVING CONCRETE BASES

EXISTING BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
CB1	1
*** TOTAL	1

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	PB1	--	57
PB1	PB2	--	84
PB2	PB3	226	--
PB2	PB4	--	166
PB4	PB5	--	36
PB5	PB6	230	--
PB5	PB7	--	54
PB7	PB8		25
PB7	PB9	--	108
PB9	PB10	--	76
PB10	PB11	--	124
PB11	PB12	--	96
PB12	PB13	233	--
PB12	PB14	--	200
PB14	PB15	--	20
PB15	PB16	179	--
PB16	PB17	151	--
PB15	PB18	--	56
PB18	PB19	--	35
PB18	PB20	--	116
PB20	PB21	13	--
PB21	PB22	34	--
PB20	PB23	--	80
PB23	PB24	--	72
PB24	CB1	--	36
PB1	SB1	13	--
PB1	SB2	12	--
PB1	SB3	25	--
PB8	SB4	--	24
PB8	SB5	6	--
PB9	SB6	157	--
PB10	SB7	--	26
PB11	SB8	16	--
PB11	SB9	19	--
PB19	SB10	--	15
PB19	SB11	9	--
PB22	SB12	12	--
PB20	SB13	159	--
PB24	SB14	--	11
PB5	SB15	8	--
PB15	SB16	6	--
	***TOTALS	1508	1517

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES STEEL 24X36 INCH
PULL BOXES STEEL 24X42-INCH

PULL BOX NO.	STATION	OFFSET	653.0135 PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
PB1	340+20.6	74.5 LT	--	1
PB2	48+98.3	27.0 RT	--	1
PB3	46+71.9	27.0 RT	1	--
PB4	48+98.3	55.8 LT	--	1
PB5	341+43.0	73.3 LT	--	1
PB6	343+72.2	54.6 LT	1	--
PB7	341+43.0	46.8 LT	--	1
PB8	341+18.5	50.6 LT	1	--
PB9	341+43.0	7.0 RT	--	1
PB10	341+43.0	45.0 RT	--	1
PB11	340+83.4	61.2 RT	--	1
PB12	50+98.1	39.0 LT	--	1
PB13	53+25.3	36.3 LT	1	--
PB14	51+02.2	61.1 RT	--	1
PB15	339+59.0	76.9 RT	--	1
PB16	337+81.8	60.0 RT	1	--
PB17	336+32.4	52.0 RT	1	--
PB18	339+59.0	49.0 RT	--	1
PB19	339+93.9	52.8 RT	1	--
PB20	339+58.9	9.4 LT	--	1
PB21	339+72.1	9.9 LT	1	--
PB22	339+99.8	10.2 RT	1	--
PB23	339+58.9	49.2 LT	--	1
PB24	339+92.8	61.3 LT	--	1
		***TOTALS	9	15

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

3

CONDUIT LOOP DETECTOR
LOOP DETECTOR LEAD IN CABLE
LOOP DETECTOR WIRE

LOOP NO.	HOME RUN PB	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
FUTURE 11	PB21	339+67.4	2.8 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	112	232
FUTURE 12	PB21	339+95.4	0.3 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	112	220
21	PB6	343+72.2	24.0 LT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	400	386
41	PB3	46+71.9	12.0 RT	6'x6'	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	48	302	250
42	PB2	48+96.7	12.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	80	238
43	PB2	49+24.7	12.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	80	250
44	PB2	48+96.9	0.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	80	310
45	PB2	49+24.9	0.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	80	316
FUTURE 51	PB9	341+47.2	4.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	245	220
FUTURE 52	PB9	341+19.2	4.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	245	220
61	PB17	336+32.4	27.0 RT	6'x20'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	507	338
62	PB16	337+81.8	27.0 RT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	360	304
81	PB13	53+25.3	12.0 LT	6'x6'	6	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	512	406
82	PB12	51+02.0	28.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	283	220
83	PB12	50+74.1	28.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	283	220
84	PB12	51+02.0	12.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	283	310
85	PB12	50+74.1	12.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	283	310
86	PB12	51+02.1	0.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	124	283	382
87	PB12	50+74.1	0.0 LT	6'x20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	124	283	382
						*** TOTALS	1618	4813	5514

* STATION AND LOCATION IS TO FRONT CENTER OF DETECTION LOOP
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\030201_mq.dgn PLOT DATE : 7/6/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 34.0000 sf / in.
WISDOT/CADDS SHEET 43

CONCRETE BASES TYPE 1
CONCRETE BASES TYPE 5
CONCRETE BASES TYPE 10
CONCRETE BASES TYPE 13
CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL

BASE NO.	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH
CB1	340+03.2	66.7 LT	--	--	--	--	1
SB1	340+22.8	61.9 LT	1	--	--	--	--
SB2	340+32.3	70.3 LT	1	--	--	--	--
SB3	340+44.0	82.3 LT	1	--	--	--	--
SB4	340+95.9	57.8 LT	--	--	1	--	--
SB5	341+15.0	45.8 LT	1	--	--	--	--
SB6	343+00.0	7.0 RT	--	1	--	--	--
SB7	341+17.1	48.1 RT	--	--	--	1	--
SB8	340+98.7	58.5 RT	1	--	--	--	--
SB9	340+78.5	79.1 RT	1	--	--	--	--
SB10	340+06.5	60.7 RT	--	--	1	--	--
SB11	340+01.4	48.4 RT	1	--	--	--	--
SB12	340+12.1	9.3 RT	1	--	--	--	--
SB13	338+00.0	8.0 LT	--	1	--	--	--
SB14	339+92.1	50.0 LT	--	--	--	1	--
SB15	341+40.7	71.4 LT	--	1	--	--	--
SB16	339+62.0	81.5 RT	--	1	--	--	--
		*** TOTALS	8	4	2	2	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
*** ADDITIONAL QUANTITIES FOUND ELSEWHERE

INTERSECTION OF
STH 318 & NORTHVIEW ROAD
ALL ITEMS CATEGORY 0020

3

CABLE TRAFFIC SIGNAL 5-14 AWG
CABLE TRAFFIC SIGNAL 7-14 AWG
CABLE TRAFFIC SIGNAL 12-14 AWG

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.
CB1	SB1	--	59	--
SB1	HEAD 22	15	--	--
CB1	SB2	--	58	--
SB2	HEAD 23	15	--	--
CB1	SB3	--	--	71
SB3	HEAD 14	--	22	--
SB3	HEAD 16	21	--	--
CB1	SB4	--	--	345
SB4	HEAD 12	41	--	--
SB4	HEAD 13	21	--	--
SB4	HEAD 15	--	56	--
SB4	HEAD 24	15	--	--
CB1	SB5	--	--	327
SB5	HEAD 4	--	22	--
SB5	HEAD 6	21	--	--
SB5	HEAD 25	15	--	--
CB1	SB7	--	--	430
SB7	HEAD 2	55	--	--
SB7	HEAD 3	43	--	--
SB7	HEAD 5	--	79	--
CB1	SB8	--	487	--
SB8	HEAD 26	15	--	--
CB1	SB9	--	--	490
SB9	HEAD 11	21	--	--
SB9	HEAD 19	--	22	--
SB9	HEAD 27	15	--	--
CB1	SB10	--	--	287
SB10	HEAD 17	42	--	--
SB10	HEAD 18	21	--	--
SB10	HEAD 20	--	56	--
SB10	HEAD 28	15	--	--
CB1	SB11	--	--	281
SB11	HEAD 1	21	--	--
SB11	HEAD 9	--	22	--
SB11	HEAD 21	15	--	--
CB1	SB12	--	238	--
CB1	SB14	--	--	50
SB14	HEAD 7	54	--	--
SB14	HEAD 8	42	--	--
SB14	HEAD 10	--	72	--
	***TOTALS	523	1,193	2,281

***ADDITIONAL QUANTITIES FOUND ELSEWHERE

SHEET 3 OF 7

INTERSECTION OF
STH 318 & NORTHVIEW ROAD
ALL ITEMS CATEGORY 0020

3

3

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515 L.F.
CB1	SB1	59
SB1	SB2	49
SB2	SB3	61
SB3	SB4	348
SB4	SB5	54
SB5	SB7	221
SB7	SB8	144
SB8	SB9	59
SB9	SB10	359
SB10	SB11	48
SB11	SB12	249
SB12	SB14	234
SB14	CB1	50
PB1	SB2	22
PB2	SB2	70
PB4	SB15	42
PB5	SB15	18
PB7	SB5	47
PB8	SB5	16
PB9	SB7	80
PB10	SB7	36
PB11	SB8	26
PB12	SB8	80
PB14	SB16	16
PB15	SB16	32
PB18	SB11	60
PB19	SB11	19
PB20	SB12	81
PB21	SB12	62
PB22	SB12	22
PB23	SB14	63
PB24	SB14	21
	***TOTAL	2748

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CABLE TYPE UF 2-10 AWG
ELECTRICAL WIRE LIGHTING 12 AWG

FROM	TO	655.0315 CABLE TYPE UF 2-10 AWG (W/ GROUND) L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB15	245	--
SB15	LUMIN	--	117
SB15	SB4	150	--
SB4	LUMIN	--	126
SB4	SB6	316	--
SB6	LUMIN	--	117
SB6	SB7	261	--
SB7	LUMIN	--	126
CB1	SB14	50	--
SB14	LUMIN	--	126
SB14	SB13	302	--
SB13	LUMIN	--	117
SB13	SB10	323	--
SB14	LUMIN	--	126
SB10	SB16	139	--
SB16	LUMIN	--	117
	***TOTALS	1786	972

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC SIGNAL EVP DETECTOR CABLE
TYPE UF CABLE 2-CONDUCTOR NO. 14

FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	SPV.0090.41 TYPE UF CABLE 2-CONDUCTOR NO. 14 L.F.
CB1	SB14 (HEAD A)	93	93
CB1	SB7 (HEAD B)	474	474
CB1	SB10 (HEAD C)	330	330
CB1	SB4 (HEAD D)	387	387
	*** TOTAL	1284	1284

*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATIION	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.
STH 318 & NORTHVIEW ROAD	1
TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

SHEET 4 OF 7

INTERSECTION OF
STH 318 & NORTHVIEW ROAD
ALL ITEMS CATEGORY 0020

PEDESTAL BASES
TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE
POLES TYPE 5 ALUMINUM
TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT
TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT
TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT
LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT
INSTALL POLES TYPE 10
INSTALL POLES TYPE 13
INSTALL MONOTUBE ARMS 30-FT
INSTALL MONOTUBE ARMS 50-FT
INSTALL MONOTUBE ARMS 55-FT
INSTALL LUMINAIRE ARM STEEL 15-FT
PEDESTRIAN PUSH BUTTONS
LUMINAIRES UTILITY LED CATEGORY C

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	657.1350 INSTALL POLES TYPE 10 EACH	657.1360 INSTALL POLES TYPE 13 EACH	657.1530 INSTALL MONOTUBE ARMS 30-FT EACH	657.1550 INSTALL MONOTUBE ARMS 50-FT EACH	657.1555 INSTALL MONOTUBE ARMS 55-FT EACH	657.1815 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	--	--	1	--	--	--	--	--	--	--	1	--
SB2	1	--	--	--	--	1	--	--	--	--	--	--	--	1	--
SB3	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--
SB4	--	--	--	--	--	--	--	1	--	1	--	--	1	1	1
SB5	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--
SB6	--	1	1	--	--	--	1	--	--	--	--	--	--	--	1
SB7	--	--	--	--	--	--	--	--	1	--	--	1	1	--	1
SB8	1	--	--	--	--	1	--	--	--	--	--	--	--	1	--
SB9	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	--	--	1	--	1	--	--	1	1	1
SB11	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--
SB12	1	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB13	--	1	1	--	--	--	1	--	--	--	--	--	--	--	1
SB14	--	--	--	--	--	--	--	--	1	--	1	--	1	--	1
SB15	--	1	1	--	--	--	1	--	--	--	--	--	--	--	1
SB16	--	1	1	--	--	--	1	--	--	--	--	--	--	--	1
***TOTALS	8	2	2	1	4	3	2	2	2	2	1	1	4	9	8

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 2788-00-72	HWY: STH 318	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET	E

FILE NAME : L:\Jobs2010\20100001\CAD\WisDOT_Trans\dgn\00\02_Northview\030201_mq.dgn PLOT DATE : 7/6/2016 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 34.0000 sf / in.
WISDOT/CADDS SHEET 43

3

3

TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL
TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL
BACKPLATES SIGNAL FACE 3 SECTION 12-INCH
BACKPLATES SIGNAL FACE 4 SECTION 12-INCH
PEDESTRIAN SIGNAL FACE 16-INCH
LED MODULES 12-INCH RED BALL
LED MODULES 12-INCH YELLOW BALL
LED MODULES 12-INCH GREEN BALL
LED MODULES 12-INCH RED ARROW
LED MODULES 12-INCH YELLOW ARROW
LED MODULES 12-INCH GREEN ARROW
LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH EACH	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0600 LED MODULES 12-INCH RED BALL EACH	658.0605 LED MODULES 12-INCH YELLOW BALL EACH	658.0610 LED MODULES 12-INCH GREEN BALL EACH	658.0615 LED MODULES 12-INCH RED ARROW EACH	658.0620 LED MODULES 12-INCH YELLOW ARROW EACH	658.0625 LED MODULES 12-INCH GREEN ARROW EACH	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH EACH
1	SB11	1	--	1	--	--	1	1	1	--	--	--	--
2	SB7	1	--	1	--	--	1	1	1	--	--	--	--
3	SB7	1	--	1	--	--	1	1	1	--	--	--	--
4	SB5	--	1	--	1	--	--	--	--	1	2	1	--
5	SB7	--	1	--	1	--	--	--	--	1	2	1	--
6	SB5	1	--	1	--	--	1	1	1	--	--	--	--
7	SB14	1	--	1	--	--	1	1	1	--	--	--	--
8	SB14	1	--	1	--	--	1	1	1	--	--	--	--
9	SB11	--	1	--	1	--	--	--	--	1	2	1	--
10	SB14	--	1	--	1	--	--	--	--	1	2	1	--
11	SB9	1	--	1	--	--	1	1	1	--	--	--	--
12	SB4	1	--	1	--	--	1	1	1	--	--	--	--
13	SB4	1	--	1	--	--	1	1	1	--	--	--	--
14	SB3	--	1	--	1	--	--	--	--	1	2	1	--
15	SB4	--	1	--	1	--	--	--	--	1	2	1	--
16	SB3	1	--	1	--	--	1	1	1	--	--	--	--
17	SB10	1	--	1	--	--	1	1	1	--	--	--	--
18	SB10	1	--	1	--	--	1	1	1	--	--	--	--
19	SB9	--	1	--	1	--	--	--	--	1	2	1	--
20	SB10	--	1	--	1	--	--	--	--	1	2	1	--
21	SB11	--	--	--	--	1	--	--	--	--	--	--	1
22	SB1	--	--	--	--	1	--	--	--	--	--	--	1
23	SB2	--	--	--	--	1	--	--	--	--	--	--	1
24	SB4	--	--	--	--	1	--	--	--	--	--	--	1
25	SB5	--	--	--	--	1	--	--	--	--	--	--	1
26	SB8	--	--	--	--	1	--	--	--	--	--	--	1
27	SB9	--	--	--	--	1	--	--	--	--	--	--	1
28	SB10	--	--	--	--	1	--	--	--	--	--	--	1
	***TOTALS	12	8	12	8	8	12	12	12	8	16	8	8

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

INTERSECTION OF
STH 318 & NORTHVIEW ROAD
ALL ITEMS CATEGORY 0020

3

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS, STH 318 & NORTHVIEW ROAD
GENERATORS
TEMPORARY INFRARED EVP SYSTEM, STH 318 & NORTHVIEW ROAD
TEMPORARY VEHICLE DETECTION SYSTEM, STH 318 & NORTHVIEW ROAD

LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAYS	SPV.0105.54 TEMPORARY INFRARED EVP SYSTEM L.S.	SPV.0105.52 TEMPORARY VEHICLE DETECTION SYSTEM L.S.
STH 318 & NORTHVIEW ROAD	1	2	1	1
*** TOTALS	1	2	1	1

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EVP DETECTOR HEAD INSTALLATION AT STH 318 & NORTHVIEW ROAD

LOCATION	SPV.0105.48 EVP DETECTOR HEAD INSTALLATION L.S.
STH 318 & NORTHVIEW ROAD	1
TOTAL	1

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.02 L.S.
STH 318 & NORTHVIEW ROAD	1
TOTAL	1

TRANSPORTING SIGNAL AND LIGHTING MATERIALS AT STH 318 & NORTHVIEW ROAD

LOCATION	SPV.0105.50 TRANSPORTING SIGNAL AND LIGHTING MATERIALS L.S.
STH 318 & NORTHVIEW ROAD	1
TOTAL	1

REMOVE TRAFFIC SIGNALS CTH TT & NORTHVIEW ROAD

LOCATION	SPV.0105.42 REMOVE TRAFFIC SIGNALS L.S.
CTH TT & NORTHVIEW ROAD	1
TOTAL	1

INSTALL STATE-FURNISHED TRAFFIC SIGNAL CABINET, STH 318 & NORTHVIEW ROAD

LOCATION	SPV.0105.46 INSTALL STATE-FURNISHED TRAFFIC SIGNAL CABINET L.S.
STH 318 & NORTHVIEW ROAD	1
TOTAL	1

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	LS	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	EACH	POLES TYPE 10
2	EACH	POLES TYPE 13
2	EACH	MONOTUBE ARMS 30-FT
1	EACH	MONOTUBE ARMS 50-FT
1	EACH	MONOTUBE ARMS 55-FT
4	EACH	LUMINAIRE ARMS STEEL 15-FT
1	LS	EVP DETECTION SYSTEM

SHEET 7 OF 7

WAUKESHA WATER UTILITY

STATION	LOCATION	SPV.0090.82 8-INCH WATER MAIN RELOCATION LF	SPV.0090.83 12-INCH WATER MAIN RELOCATION LF	SPV.0090.84 16-INCH WATER MAIN RELOCATION LF	SPV.0180.82 WATER MAIN INSULATION 2-INCH SY
CAT 0040					
PROJECT NO: 2788-02-70					
WB 274+50	LT	--	--	18	--
WB 274+70	LT	18	--	--	--
WB 283+45	RT	--	18	--	--
US 43+18	RT	18	--	--	--
US 56+05	RT	--	18	--	--
WB 279+83	LT	--	--	--	4
US 42+50	LT	--	--	--	7
2788-02-70 TOTAL		**36**	**36**	**18**	**11**
CONSTRUCTION TOTAL		**36**	**36**	**18**	**11**

WAUKESHA WATER UTILITY

STATION	LOCATION	SPV.0090.82 8-INCH WATER MAIN RELOCATION LF	SPV.0090.83 12-INCH WATER MAIN RELOCATION LF	SPV.0090.84 16-INCH WATER MAIN RELOCATION LF	SPV.0180.82 WATER MAIN INSULATION 2-INCH SY
CAT 0050					
PROJECT NO: 2788-00-72					
WB 305+15	LT	--	18	--	--
WB 305+15	LT	--	18	--	--
WB 305+40	LT	--	18	--	--
WB 305+40	LT	--	18	--	--
WB 305+40	RT	--	18	--	--
WB 305+55	RT	--	18	--	--
WB 305+60	RT	--	18	--	--
WB 341+00	RT	--	--	18	--
WB 321+00	RT	--	--	--	4
WB 325+00	RT	--	--	--	4
WB 328+00	RT	--	--	--	4
WB 328+70 - 333+00	RT	--	--	--	64
WB 334+00	RT	--	--	--	7
WB 337+00	RT	--	--	--	4
WB 338+50	RT	--	--	--	4
NV 53+50	RT	--	18	--	4
NV 55+00	RT	--	--	--	11
2788-00-72 TOTAL		**--**	**144**	**18**	**106**
CONSTRUCTION TOTAL		**--**	**144**	**18**	**106**

CITY OF WAUKESHA SANITARY

STATION	LOCATION	SPV.0200.72 RECONSTRUCTING SANITARY MANHOLES LF	SPV.0060.72 INTERNAL MANHOLE SEALING SYSTEM EACH	SPV.0060.73 PRE-PAVING TELEVISING SANITARY LATERALS EACH	SPV.0090.72 PRE-PAVING TELEVISING SANITARY MAIN LINE LF
CAT 0030					
PROJECT NO: 2788-02-70					
WB 269+34 - 269+65	RT	--	--	--	120
WB 269+65 - 270+25	RT	--	--	--	60
WB 270+25	RT	--	--	1	--
US 43+10 - 44+50	LT	--	--	--	145
US 44+50 - 46+45	LT	--	--	--	205
US 45+94 - 46+45	LT	--	--	--	180
US 46+45 - 46+86	RT	--	--	--	150
US 43+10	LT	3	1	--	--
US 44+50	LT	11	1	--	--
US 46+45	LT	7	1	--	--
2788-02-70 TOTAL		**21**	**3**	**1**	**860**
CONSTRUCTION TOTAL		**21**	**3**	**1**	**860**

CITY OF WAUKESHA SANITARY

STATION	LOCATION	SPV.0200.72 RECONSTRUCTING SANITARY MANHOLES LF	SPV.0060.73 INTERNAL MANHOLE SEALING SYSTEM EACH	SPV.0060.74 PRE-PAVING TELEVISING SANITARY LATERALS EACH	SPV.0090.72 PRE-PAVING TELEVISING SANITARY MAIN LINE LF
CAT 0040					
PROJECT NO: 2788-00-72					
DWY 48+94	LT	3	1	--	--
DWY 48+94 - 51+55	LT	--	--	--	265
WB 324+15 - 326+54	RT	--	--	--	320
2788-02-70 TOTAL		**3**	**1**	**--**	**585**
CONSTRUCTION TOTAL		**3**	**1**	**--**	**585**

CITY OF PEWAUKEE SANITARY

STATION	LOCATION	SPV.0200.72 RECONSTRUCTING SANITARY MANHOLES VF	SPV.0060.73 INTERNAL MANHOLE SEALING SYSTEM EACH
CAT 0060			
PROJECT NO: 2788-00-72			
WB 324+13	80' LT	6	1
NV 47+15	13' RT	3	1
NV 44+70	11' RT	3	1
2788-02-70 TOTAL		**12**	**3**
CONSTRUCTION TOTAL		**12**	**3**

ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-00-72 ARE CATEGORY 0040
ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-02-70 ARE CATEGORY 0030

3

3

LIGHTING UNIT QUANTITIES

LOCATION	SYSTEM (CIRCUIT)	LABEL	LUMINAIRE VOLTAGE	654.0107 CONCRETE BASES TYPE 7 EACH	SPV.0060.71 LUMINAIRES UTILITY 21 COUNT LED 75 WATT TYPE III EACH	657.0205 TRANSFORMER BREAK AWAY BASE 13-15 BOLT CIRLCE EACH	657.0330 POLES TYPE 7 ALUMINUM EACH	657.0630 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 8-FT EACH
PROJECT NO 2788-02-70								
273+86, 6.1' LT	WWB100	SLB-01	240 VAC	1	--	1	--	--
274+78, 122.4' LT	WWB100	SLB-02	240 VAC	1	--	1	--	--
275+15, 6.5' RT	WWB100	SLB-03	240 VAC	1	--	1	--	--
276+73, 3.2' RT	WWB100	SLB-04	240 VAC	1	--	1	--	--
278+23, 6.0' LT	WWB100	SLB-05	240 VAC	1	--	1	--	--
2788-02-70 TOTALS				5	0	5	0	0
PROJECT NO 2788-00-72								
286+46, 0.9' LT	WWB200	SLB-06	240 VAC	1	--	1	--	--
288+11, 6.0' LT	WWB200	SLB-07	240 VAC	1	--	1	--	--
289+38, 5.8' RT	WWB200	SLB-08	240 VAC	1	--	1	--	--
291+03, 6.5' RT	WWB200	SLB-09	240 VAC	1	--	1	--	--
292+71, 4.5' RT	WWB200	SLB-10	240 VAC	1	--	1	--	--
294+43, 0.2' LT	WWB200	SLB-11	240 VAC	1	--	1	--	--
296+12, 0.3' RT	WWB200	SLB-12	240 VAC	1	--	1	--	--
297+83, 0.0' RT	WWB200	SLB-13	240 VAC	1	--	1	--	--
299+53, 0.0' LT	WWB200	SLB-14	240 VAC	1	--	1	--	--
301+22, 4.7' LT	WWB200	SLB-15	240 VAC	1	--	1	--	--
302+93, 5.9' LT	WWB200	SLB-16	240 VAC	1	--	1	--	--
304+62, 5.9' LT	WWB200	SLB-17	240 VAC	1	2	1	1	2
304+83, 96.9' RT	WWB200	SLB-18	240 VAC	1	1	1	1	1
305+65, 91.5' LT	WWB200	SLB-19	240 VAC	1	1	1	1	1
305+93, 6.0' RT	WWB200	SLB-20	240 VAC	1	2	1	1	2
307+73, 5.9' RT	WWB300	SLB-21	240 VAC	1	--	1		
309+10, 6.0' RT	WWB300	SLB-22	240 VAC	1	--	1	--	--
2788-00-72 TOTALS				17	6	17	4	6
CONSTRUCTION TOTALS				22	6	22	4	6

* OTHER QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-00-72 ARE CATEGORY 0040
ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-02-70 ARE CATEGORY 0030

3

3

CONDUIT AND WIRE QUANTITIES (1 of 2)

LOCATION TO LOCATION	SYSTEM (CIRCUIT)	671.0112 Conduit HDPE 1-Duct 2-Inch LF	655.0615 Electrical Wire Lighting 10 AWG LF	655.0625 Electrical Wire Lighting 6 AWG LF	655.0630 Electrical Wire Lighting 4 AWG LF
PROJECT NO 2788-02-70					
CONDUIT STUB TO LPB-01	WWB100	9	19	--	--
LPB-01 TO SLB-01	WWB100	4	15	--	--
SLB-01 TO LPB-03	WWB100	127	138	--	--
LPB-03 TO LPB-02	WWB100	68	78	--	--
LPB-02 TO SLB-02	WWB100	75	84	--	--
LPB-03 TO SLB-03	WWB100	23	34	--	--
SLB-03 TO SLB-04	WWB100	155	167	--	--
SLB-04 TO SLB-05	WWB100	148	160	--	--
SLB-05 TO LPB-04	WWB100	7	18	--	--
2788-02-70 TOTALS		**616**	**713**	**0**	**0**

* OTHER QUANTITIES SHOWN ELSEWHERE

LIGHTING PULL BOX QUANTITIES

LOCATION	LABEL	653.0135 PULL BOXES STEEL 24X36-INCH EACH
PROJECT NO 2788-02-70		
273++83, 6.0' 'LT	LPB-01	1
275+14, 63.3' LT	LPB-02	1
275+15, 6.5 'RT	LPB-03	1
278+31, 5.8 'LT	LPB-04	1
2788-02-70 TOTALS		**4**
PROJECT NO 2788-00-72		
286+39, 0.5' LT	LPB-05	1
289+47, 6.0' LT	LPB-06	1
292+83, 4.2' RT	LPB-07	1
299+06, 66.3' LT	LPB-08	1
299+07, 0.8' LT	LPB-09	1
304+62, 5.9' LT	LPB-10	1
304+52, 62.1' RT	LPB-11	1
305+64, 96.2' LT	LPB-12	1
306+02, 61.5' LT	LPB-13	1
306+03, 6.0' RT	LPB-14	1
2788-00-72 TOTALS		**10**
CONSTRUCTION TOTALS		**14**

* OTHER QUANTITIES SHOWN ELSEWHERE

LIGHTING CONTROLLER QUANTITIES

LOCATION	SYSTEM	LABEL	656.0400 ELECTRIC SERVICE MAIN LUGS ONLY METER PEDESTAL EACH	SPV.0060.70 LIGHTING CONTROL CABINET EACH
PROJECT NO 2788-00-72				
298+96, 64.4' LT	WWB200	CABINET WWB200	1	1
2788-00-72 TOTALS			**1**	**1**
CONSTRUCTION TOTALS			**1**	**1**

ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-00-72 ARE CATEGORY 0040
ALL ITEMS ON THIS SHEET FOR PROJECT ID 2788-02-70 ARE CATEGORY 0030

3

CONDUIT AND WIRE QUANTITIES (2 of 2)

LOCATION TO LOCATION	SYSTEM (CIRCUIT)	671.0112 Conduit HDPE 1-Duct 2-Inch LF	655.0615 Electrical Wire Lighting 10 AWG LF	655.0625 Electrical Wire Lighting 6 AWG LF	655.0630 Electrical Wire Lighting 4 AWG LF
PROJECT NO 2788-00-72					
LPB-05 TO SLB-06	WWB200	5	16	--	--
SLB-06 TO SLB-07	WWB200	162	174	--	--
SLB-07 TO SLB-08	WWB200	126	138	--	--
SLB-08 TO LPB-06	WWB200	7	18	--	--
LPB-06 TO SLB-09	WWB200	153	164	--	--
SLB-09 TO SLB-10	WWB200	166	178	--	--
SLB-10 TO LPB-07	WWB200	10	21	--	--
LPB-07 TO SLB-11	WWB200	159	170	--	--
SLB-11 TO SLB-12	WWB200	166	178	--	--
SLB-12 TO SLB 13	WWB200	169	181	--	--
SLB-13 TOLPB-09	WWB200	122	133	--	--
LPB-09 TO LPB-10	WWB200	64	--	74	222
LPB-10 TO CAB. WWB200	WWB200	7	--	22	66
LPB-09 TO SLB-14	WWB200	44	--	55	165
SLB-14 TO SLB-15	WWB200	167	--	179	537
SLB-15 TO SLB-16	WWB200	169	--	181	543
SLB-16 TO LPB-10	WWB200	157	--	168	504
LPB-10 TO LPB-11	WWB200	66	--	76	152
LPB-11 TO SLB-18	WWB200	52	--	63	126
LPB-10 TO SLB-17	WWB200	19	--	30	90
SLB-17 TO SLB-20	WWB200	140	--	152	456
SLB-20 TO LPB-14	WWB200	22	--	33	99
LPB-14 TO LPB-13	WWB200	66	--	76	228
LPB-13 TO SLB-19	WWB200	51	--	62	186
SLB-19 TO LPB-12	WWB200	4	15	--	--
LPB-14 TO SLB-21	WWB200	168	179	--	--
SLB-21 TO SLB-22	WWB300	135	147	--	--
SLB-22 TO CONDUIT STUB	WWB300	40	52	--	--
2788-00-72 TOTALS		**2616**	**1764**	**1171**	**3374**
CONSTRUCTION TOTALS		**3,232**	**2,477**	**1,171**	**3,374**

* OTHER QUANTITIES SHOWN ELSEWHERE

CONSTRUCTION STAKING

LOCATION	650.8500 CONSTRUCTION STAKING ELECTRICAL LUMP SUM
PROJECT NO 2788-02-70	
WAUKESHA BYPASS	1
2788-02-70 TOTALS	**1**
PROJECT NO 2788-00-72	
WAUKESHA BYPASS	1
2788-00-72 TOTALS	**1**
CONSTRUCTION TOTALS	**2**

* OTHER QUANTITIES SHOWN ELSEWHERE

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
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

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN — IP
VALVE (GAS, WATER, ETC.) — ⌀ (TYPE)
SIGN — SIGN
OFF-PREMISE SIGN — I-25 — SIGN

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

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

BRIDGE

PARCEL NUMBER (25)
UTILITY NUMBER (40)

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—

NOTES

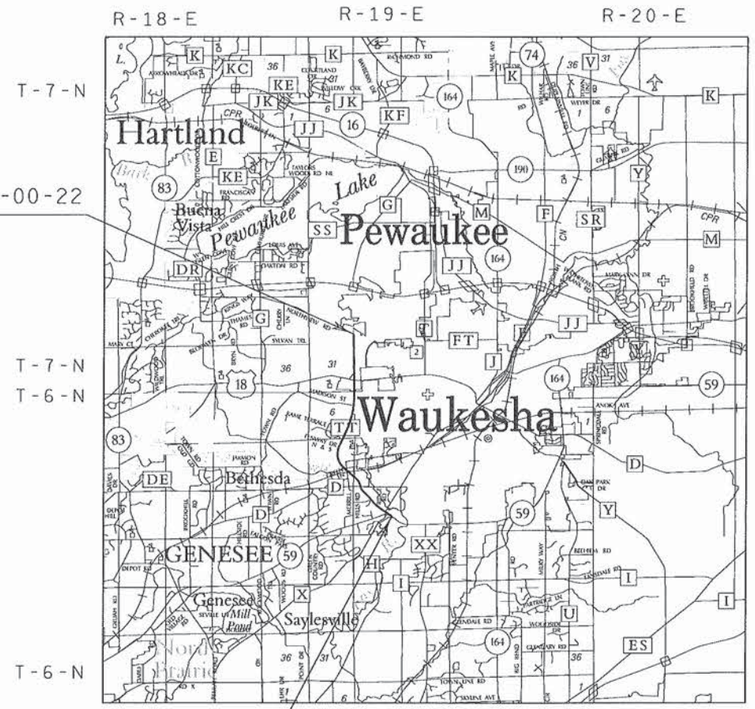
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY 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."

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN WAUKESHA

END RELOCATION ORDER 2788-00-22

STA 345+31.00
555.87' SOUTH OF AND
13.33' WEST OF THE
EAST 1/4 CORNER OF
SECTION 30, T7N, R19E



BEGIN RELOCATION ORDER 2788-00-22

STA 89+50.00
1451.65' SOUTH OF AND
196.52' EAST OF THE
EAST 1/4 CORNER OF
SECTION 17, T6N, R19E

LAYOUT
SCALE 0 0.75 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.84 MI.

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
2788-00-22	4.01	
FEDERAL PROJECT NUMBER		

PLAT OF RIGHT-OF-WAY REQUIRED FOR
WEST WAUKESHA BYPASS
USH 18
WIS 59 I-94

CONSTRUCTION PROJECT NUMBER
2788-00-71 / 2788-02-70

ORIGINAL PLANS PREPARED BY
KAPUR & ASSOCIATES
CONSULTING ENGINEERS
414.751.7200

WISCONSIN
MICHAEL V. BECKER
S-2674
PORT WASHINGTON
WISCONSIN
LAND SURVEYOR

MAY 21, 2015 (Date) — Michael V. Becker (Signature)

APPROVED FOR
WAUKESHA COUNTY
DEPARTMENT OF PUBLIC WORKS

5-21-15 (Date) — Allison Bussler, DIRECTOR

5/21/15 (Date) — ENGINEERING SERVICES MANAGER

REVISION DATE
August 28, 2015
March 2, 2016
April 27, 2016
June 3, 2016
July 29, 2016

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

AREAS SHOWN IN THE TOTAL AREA MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAINING	TLE ACRES	PLE ACRES	PARCEL NUMBER
1 [2]	4.06	THOMAS & JOYCE HOFFMANN	TLE	1.798				1.798	0.056		1 [2]
2 [2]	4.06,07,08	JEWEL FOOD STORES INC (STORE 36AY)	PLE, TLE	29.323				29.323	0.036	0.014	2 [2]
3 [2]	4.06	BRETT & AMBER MUELLER	TLE	0.976				0.976	0.050		3 [2]
4 [2]	4.06	JOSE G & IDA R MEDINA REVOCABLE TRUST	TLE	1.000				1.000	0.005		4 [2]
6 [3]	4.07,09,10	ROBERT F. SMART & CAROL O. SMART	FEE, PLE, TLE, AR	45.339	7.429		7.429	37.910	0.379	0.025	6 [3]
7 [3]	4.07	MERLYN W MINSTER	FEE, TLE	0.897	0.004		0.004	0.893	0.059		7 [3]
8 [2]	4.07,09	MERLYN W & KAREN D MINSTER	FEE, TLE	0.915	0.727		0.727	0.188	0.032		8 [2]
9 [2]	4.08	ST. JOHN NEUMANN CONGREGATION	TLE	9.000				9.000	0.030		9 [2]
11 [3]	4.09	WAUKESHA COUNTY PARKS & LAND USE	FEE	1.535	0.219		0.219	1.316			11 [3]
12 [2]	4.09	MICHAEL & SUSAN BELL	FEE, TLE, AR	4.216	0.013		0.013	4.203	0.060		12 [2]
13	4.10, 11	CHRISTINE K WHITSTONE	FEE	5.595	5.595		5.595	0.000			13
14		ELIMINATED									14
16 [3]	4.11	GIBSON FUND LLP	FEE, TLE, AR	30.984	0.270		0.270	30.714	0.036		16 [3]
17 [3]	4.11,12,13	LEESLEY B & JOAN J HARDY LIVING TRUST	FEE, PLE, TLE, AR	42.374	6.755		6.755	35.619	0.426	0.047	17 [3]
18 [5]	4.12	MARY H THORP C/O JANET HORNING	FEE, AR	2.860	0.191		0.191	2.669			18 [5]
19 [3]	4.12	DEBORAH THIEM ROLLO	FEE, AR	4.947	4.947		4.947	0.000			19 [3]
20 [4]	4.15,15A	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	TLE	VAST					1.001		20 [4]
21 [4]	4.13	TENLEY C HELLER	FEE, AR	4.320	0.153		0.153	4.167			21 [4]
22 [3]	4.13,14,15	CHRISTOPH FAMILY TRUST	FEE, PLE, TLE, AR	89.336	12.770	3.090	15.860	73.476	0.665	0.178	22 [3]
23		ELIMINATED									23
24 [4]		ELIMINATED									24 [4]
25 [4]	4.15A	ROBERT V. HARTMANN & DARLENE C. HARTMAN AS TRUSTEES U/D/T	FEE	14.900	2.143		2.143	12.757			25 [4]
26 [2]	4.15	WAUKESHA STORAGE LLC	TLE	10.167	0.000	0.014	0.014	10.153	0.033		26 [2]
27 [5]	4.16	RICHARD HASE	FEE,PLE, TLE, AR	30.982	5.571		5.571	25.411	0.388	0.068	27 [5]
28 [5]	4.16	RONALD J PIETROWIAK	FEE, PLE, TLE, AR	2.869	0.253		0.253	2.616	0.013	0.014	28 [5]
29 [3]	4.16	ROBERT V HARTMANN TRUSTEE U/D/T JACKIE KANE ET AL C/O JUDITH MANEY	FEE, PLE, AR	0.823	0.011		0.011	0.812		0.007	29 [3]
30 [4]	4.15,15A	STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURSES	TLE	VAST					1.939		30 [4]
31		ELIMINATED									31
32		ELIMINATED									32
33 [2]	4.16,17	SEE PROJECT #2788-00-20									33 [2]
34 [2]	4.18	ROBERT J JOHNSON FARM TRUST C/O CAROL JEAN HENDRICKS	FEE, TLE, AR	150.887	8.466		8.466	142.421	0.431		34 [2]
36 [2]	4.19	HAZEL DANNER & SUCCESSORS	FEE, TLE, AR	17.648	1.227		1.227	16.421	0.484		36 [2]
37		ELIMINATED									37
38 [5]	4.19,20	CHRISTOPH FAMILY TRUST	FEE, TLE, AR	29.179	8.507	1.546	10.053	19.126	0.730		38 [5]
39 [3]	4.21	FHB INVESTMENTS LLC	PLE, TLE, AR	23.445				23.445	0.084	0.014	39 [3]
40 [3]	4.20	ARTHUR FAULKNER	PLE, TLE	0.699				0.699	0.029	0.059	40 [3]
41 [5]	4.21	CITY OF WAUKESHA	FEE, TLE, AR	6.676	0.080		0.080	6.596	0.004		41 [5]
42 [2]	4.21	BROOKSHIRE CONDOMINIUM	TLE, AR	11.429				11.429	0.019		42 [2]
43 [5]	4.06	JASON KRAFT	FEE, TLE, AR	0.350	0.004		0.004	0.346	0.009		43 [5]
44 [5]	4.06	EUGENE J & CATHERINE GANIERE	PLE, TLE	4.506				4.506	0.037	0.002	44 [5]
45 [5]	4.06	TIMOTHY J NATVIG	FEE	0.482	0.010		0.010	0.472			45 [5]
46 [5]	4.06	GIBSON FUND LLP	TLE	4.643				4.643	0.081		46 [5]
47		ELIMINATED									47

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
700	4.21	WE ENERGIES - GAS	RELEASE OF RIGHTS
701	4.06-16,18-20	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
704	4.21	CITY OF WAUKESHA - SANITARY SEWER	RELEASE OF RIGHTS
706	4.06-08,13, 15	AT & T WISCONSIN	RELEASE OF RIGHTS
708	4.09,10	TOWN OF WAUKESHA FOR DRAINAGE FACILITIES	RELEASE OF RIGHTS

4

4

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016

DATE: 05/21/2015

SCALE, FEET 0 N/A

HWY: USH 18

COUNTY: WAUKESHA

STATE R/W PROJ. #2788-00-22

CONST. PROJ. #2788-00-71,72 ; 2788-02-70

PLAT SHEET 4.02

PS&E SHEET E

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

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PARCEL NUMBE	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED NEW	EXISTING	TOTAL	TOTAL REMAIN	TLE ACRES	PLE ACRES	PARCEL NUMBER
101	4.21	HOWARD G & TRICIA M TIMM	FEE, TLE	0.540	0.002		0.002	0.538	0.017		101
102	4.21	JON M SODEMANN & KAREN A KLEIN-SODEMANN	FEE, TLE	0.589	0.014		0.014	0.575	0.072		102
103 (2)	4.21,22	HARROGATE A VILLAGE OF BROOKSHIRE CONDOMINUM	FEE, TLE, AR	11.270	0.070		0.070	11.200	0.137		103 (2)
104	4.21,22	JERRY S & VALERIE M ZOREK	TLE	0.323					0.012		104
106 (2)	4.22	BRADLEY & JAMIE ANFINSON	TLE	0.281					0.021		106 (2)
107 (2)	4.22	GREGORY M BACKUS	TLE	0.259					0.032		107 (2)
108 (2)	4.22	HYMAN & KAREN S FELDMAN	TLE	0.317					0.060		108 (2)
109 (2)	4.22	JEFFREY D & LESLIE J GIFFORD	TLE	0.410					0.044		109 (2)
111 (2)	4.22	WISCONSIN ELECTRIC POWER CO.	FEE, TLE, AR	3.030	0.593	0.227	0.820	2.210	0.770		111 (2)
112 (2)	4.22	JUSTIN A RADICHEL & JANEA R ROWE	FEE, TLE	0.499	0.061		0.061	0.438	0.025		112 (2)
113 (2)	4.22	IRSHAD & SEEMI ALI	FEE, TLE	0.397	0.057		0.057	0.340	0.016		113 (2)
114	4.22	OWNERS OF LOTS IN HERITGAGE HILLS	FEE	1.016	0.045		0.045	0.971			114
116 (2)	4.22	CITY OF WAUKESHA	FEE, PLE, TLE, AR	1.047	0.178	0.186	0.364	0.683	0.203	0.028	116 (2)
117	4.22	JOHN P NEBEL	TLE	0.588					0.004		117
118 (2)	4.22	CITY OF WAUKESHA	FEE, TLE, AR	13.008	0.458	0.412	0.870	12.138	0.126		118 (2)
119	4.22	DOROTHY A HEALE	TLE	0.385					0.013		119
121 (2)	4.22	LOIS MAE KAPLAN	FEE, TLE	0.683	0.091	0.068	0.159	0.524	0.524		121 (2)
122	4.22	ROBERT J & JEAN M MOGENSEN	FEE, TLE	2.034	0.041	0.031	0.072	1.962	0.061		122
123 (2)	4.23	HEALTH CARE REIT INC	TLE	3.834					0.011		123 (2)
124 (2)	4.23	BANK MUTUAL	TLE	1.516					0.024		124 (2)
126		ELIMINATED									126
127	4.23,24	SUMMIT CORPORATE CENTER LLC	FEE, TLE, AR	2.870	0.034		0.034	2.836	0.254		127
128 (2)	4.23,25	GOOD TIMES DAY CAMP LLC	FEE, PLE, TLE, AR	15.148	0.073		0.073	15.075	0.498	0.092	128 (2)
129	4.23,25,26	MEADOWBROOK MARKETPLACE LLC	FEE, TLE	1.512	0.012		0.012	1.500	0.071		129
131 (2)	4.24	TARA HILL CONDOMINIUM	PLE, TLE	3.694					0.165	0.011	131 (2)
132 (3)	4.24,26,27,28	ROBERT F SMART & C O SMART REVOCABLE TRUST OF 2010	FEE, PLE, TLE, AR	130.877	0.534		0.534	130.343	1.519	0.024	132 (3)
133 (2)	4.24,26	MCMAHON PETROLEUM LLC	PLE, TLE	2.989					0.285	0.117	133 (2)
133A (5)	4.24	MCMAHON PETROLEUM LLC	FEE	2.989	0.032		0.032	2.957			133A (5)
134 (2)	4.24	WEST RESERVE AT FIDDLERS CREEK CONDOMINUM	TLE	20.389					0.348		134 (2)
136 (2)	4.24	ARBOR OAKS AT WEST RESERVE AT FIDDLERS CREEK CONDOMINUM	TLE	6.599					0.019		136 (2)
137 (2)	4.25,26,23	MEADOWBROOK MARKETPLACE LLC	TLE	6.712					0.239		137 (2)
139 (2)	4.25	CITY OF WAUKESHA	TLE	24.768					0.348		139 (2)
141	4.25	ELIMINATED									141
142 (2)	4.26	FAITH BAPTIST CHURCH INC.	FEE, PLE, TLE, AR	7.196	0.531		0.531	6.665	0.094	0.041	142 (2)
143	4.26	MEADOWBROOK MARKETPLACE LLC	TLE	0.993					0.011		143 (2)
144 (2)	4.27	WAUKESHA MEMORIAL HOSPITAL INC	FEE, TLE	10.857	0.227		0.227	10.630	0.092		144 (2)
146	4.27	BUTTS FAMILY TRUST	TLE	0.413					0.014		146
147 (2)	4.27	KENNETH R & LAURA J BUTTS FAMILY COMBINED REVOCABLE TRUST	TLE	0.482					0.044		147 (2)
148 (2)	4.27	SAMUEL CLOUD	TLE	0.362					0.009		148 (2)
149 (2)	4.29	JOHN & PATRICIA DURHAM	FEE, TLE, AR	1.947	0.490		0.490	1.457	0.017		149 (2)
150	4.29	WALTER H. AND HELEN L. GOLEMGESKE	FEE	1.210	1.210		1.210				150
151	4.29	MICHAEL W & LOU ANN NEWMAN	TLE, AR	1.000					0.003		151
152 (2)	4.29	DEBRA E BAKER	TLE	1.217					0.039		152 (2)
153 (2)	4.29	RANDAL & LORA JENDRUSIAK	PLE, TLE, AR	1.223					0.059	0.012	153 (2)
154 (2)	4.28,29,30	GM DEVELOPMENT LLC	FEE, TLE	15.725	1.415		1.415	14.310	0.166		154 (2)
156 (2)	4.30	JULIE A MESSNER	TLE	0.823					0.005		156 (2)
157 (2)	4.30	RONALD R & PATRICIA SENNOTT	FEE, TLE, AR	0.891	0.073		0.073	0.818	0.081		157 (2)
158	4.30	JEROME & NANCY BRUCHERT	FEE	1.039	0.019	0.103	0.122	0.917			158
159 (2)	4.30	THOMAS POWELEIT	FEE, TLE	1.035	0.019	0.103	0.122	0.913	0.015		159 (2)
161 (2)	4.30	MAJESKIE FAMILY IRREVOCABLE TRUST, VENDOR	FEE, TLE	1.033	0.019	0.103	0.122	0.911	0.074		161 (2)
162 (2)	4.30	CITY OF WAUKESHA	TLE, AR	3.176					0.544		162 (2)
163	4.30	CITY OF WAUKESHA	TLE	22.030					0.049		163

PARCEL	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
600	4.22,23,24,25,30	WE ENERGIES - GAS	RELEASE OF RIGHTS
601	4.21.22/23,24,25,26,27,29,30	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
602	4.21,22,23,24,26,27,30,	CITY OF WAUKESHA - STORM	RELEASE OF RIGHTS
603	4.21,22,23,24,25,26,27,31	WAUKESHA WATER UTILITY	RELEASE OF RIGHTS
604	4.22,23,24,25,26,29	CITY OF WAUKESHA SEWER	RELEASE OF RIGHTS
605	4.21,22,23,25,26,27,29,30	TIME WARNER	RELEASE OF RIGHTS
606	4.22,25,26,27,29,30	AT & T WISCONSIN	RELEASE OF RIGHTS
607	4.29	CITY OF PEWAUKEE	RELEASE OF RIGHTS
608	4.29	CENTURY LINK	RELEASE OF RIGHTS

4

4

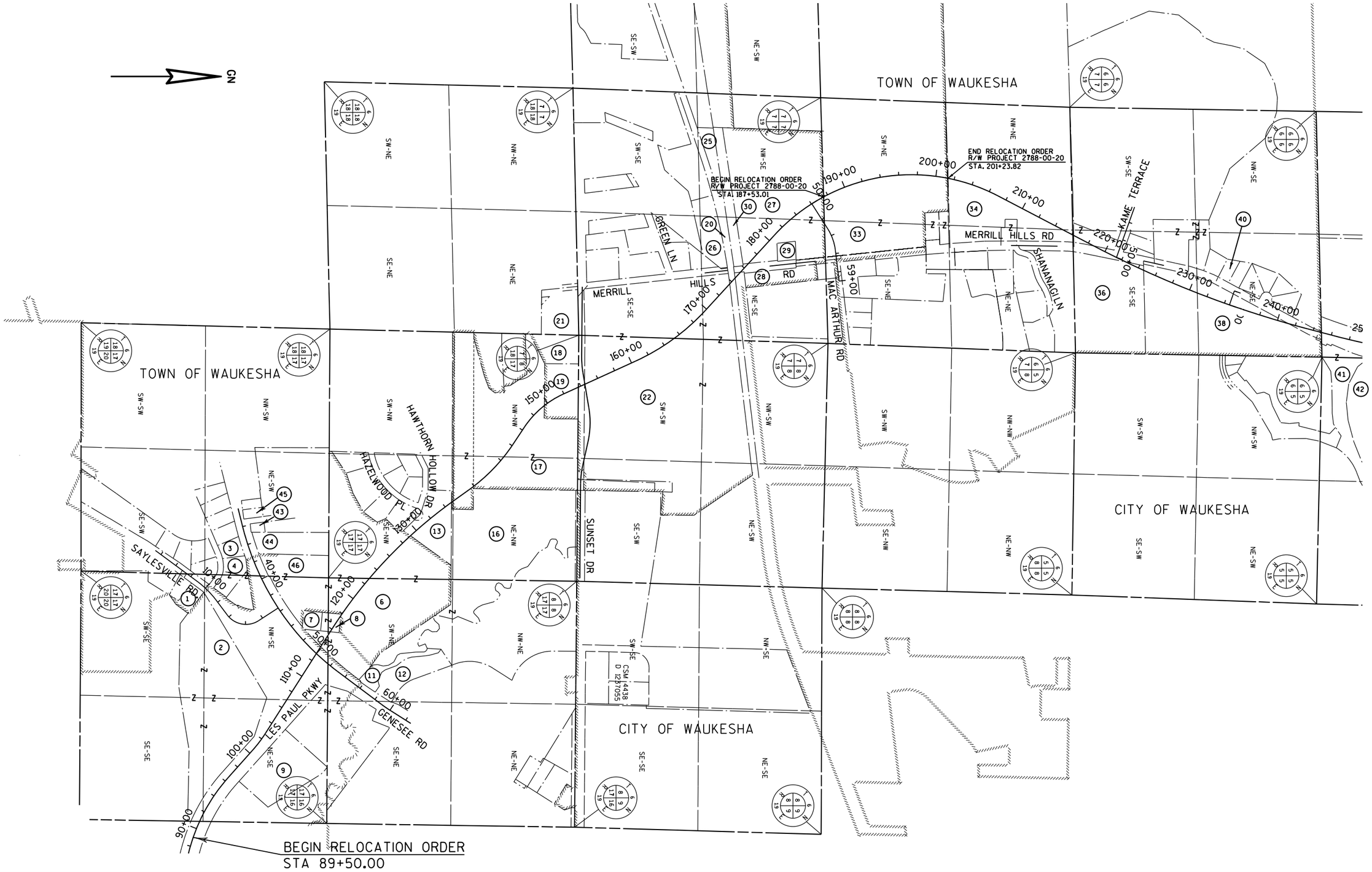
REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE, FEET
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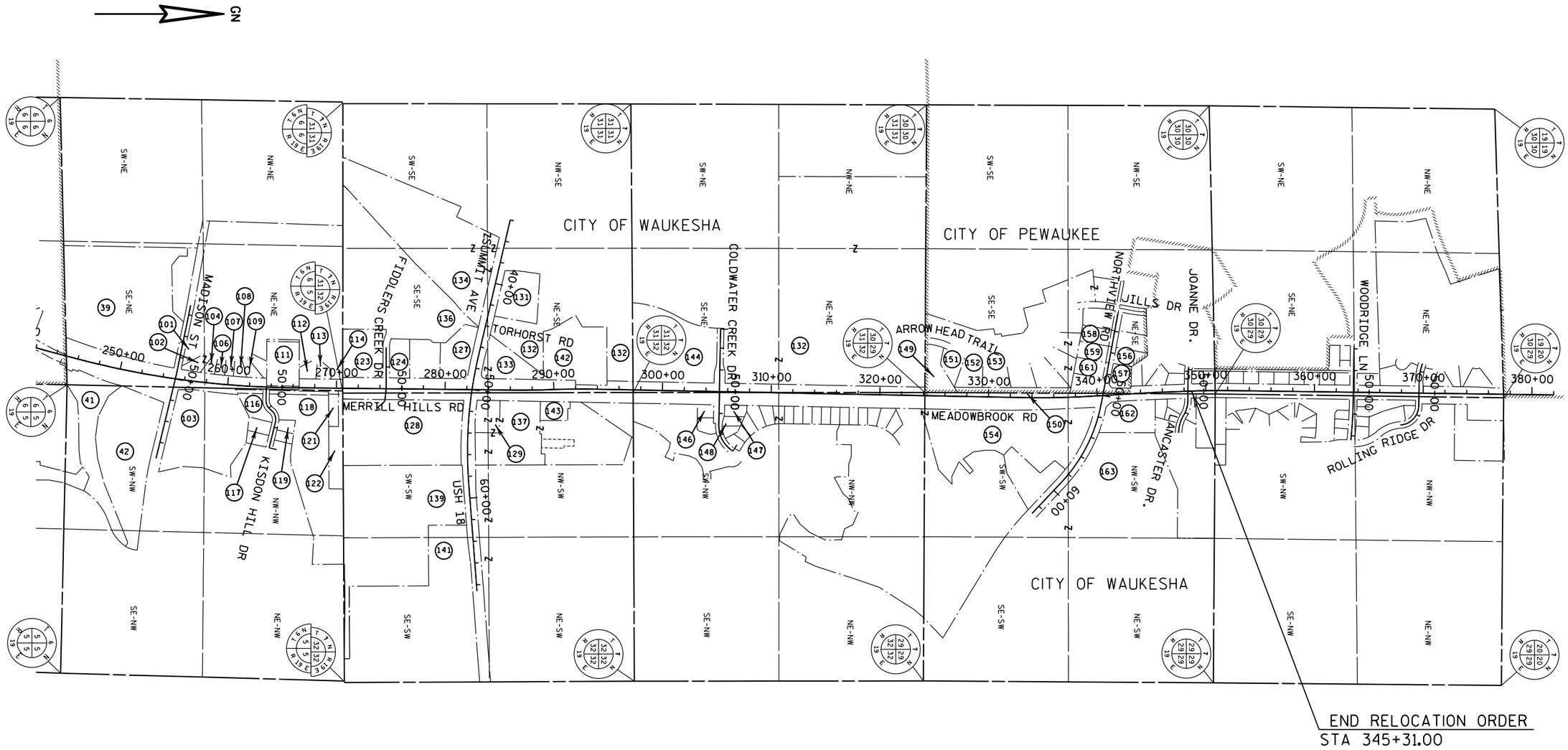
HWY: USH 18 | STATE R/W PROJ. #2788-00-22 | PLAT SHEET 4.03

COUNTY: WAUKESHA | CONST. PROJ. #2788-00-71,72 ; 2788-02-70 | PS&E SHEET E



REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 500 1000	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.04
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_04_1o.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:1000



REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 500 1000	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.05
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET **E**

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_05_lo.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:1000

GN

CLOVER KNOLL HEIGHTS SUBDIVISION

DOC. 425193

BLOCK 2 LOT 6

BLOCK 3

701 706 DOC. 4259142 V.683 P.438 5' AND 10' LINE POLE RIGHTS

LOT 6 43 KRAFT TAX KEY: WAKT1363023

45 NATVIG TAX KEY: WAKT1363997 DOC. 3744288

VALLEY VIEW DR.

CONC. MON. W/BRASS CAP Y 150064.58 X 668370.33

44 GANIERE TAX KEY: WAKT1363998 DOC. 2105875

2674.29 S89°40'44"E 1/4 S/L

701 WE ENERGY EASEMENT ALONG HIGHWAY DOC. 145325

46 GIBSON FUND LLP TAX KEY: WAKT1363999 DOC. 2105875

NE-SW NW-SE

TLE FOR SLOPES & DRIVEWAY

One AP Per ROW Plat DF063-1(11), Date 1958

SEE SHEET 4.07

CONC. MON. W/BRASS CAP Y 150049.59 X 671044.57

1/4 S/L 2640.62 S89°35'06"E

CONC. MON. W/BRASS CAP Y 150030.47 X 673685.12

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	STATE PROJECT #2773-03-22	1995	VARIES
STH-59 / CTH-X	STATE PROJECT #DF063-1(11)	1958	VARIES
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CLOVER KNOLL HEIGHTS	1955	33'
STH-59 / CTH-X	LAWRENCE WOODS SUBDIVISION	1960	VARIES

GENESEE RD

TLE DRIVEWAY

TLE FOR SLOPES & DRIVEWAY

SLOPE INTERCEPT

PLE DRAINAGE

PLE1405 PLE1406 PLE1407 PLE1224 PRW1223 PRW1345 PRW1226

TLE1642 TLE1643 TLE1644 TLE1645 TLE1646 TLE1647 TLE1648 TLE1649

S42°22'25"E 11.11

N14°28'59"W 7.00

N74°53'38"E 55.29'

N73°52'13"E 34.16

N82°39'05"E 51.98'

S37°23'05"W 42.28'

S82°35'04"W 29.76'

S14°12'13"E 35.80'

N75°47'47"E 116.05'

PC 34+11.03

PI 32+00.00

33+24.52 32.28'

NO ACCESS PER COVENANT DOC. 515940 V.837 P.17 OF LAWRENCE WOODS SUB

39+64.83 R/L= 1/4 S/L

PI 39+21.63

TLE1663 TLE1664 TLE1665

TLE SLOPES

701 706 WE ENERGY AND ATT EASEMENT DOC. 526122 V.852 P.529

706 ATT DOC. 2054250 R.2094 I.374

TLE1661 TLE1662

TLE FOR SLOPES

701 706 WE ENERGY AND ATT EASEMENT DOC. 526122 V.852 P.529

50' HWY BUILDING SET BACK LINE PER SUBDIVISION PLAT DOC. 520601

LOT 4 LOT 5 LOT 6 LOT 7

BLOCK 3

4 MEDINA REVOCABLE TRUST TAX KEY: WAKT1363063

LAWRENCE WOODS SUBDIVISION DOC. 520601

3 MUELLER TAX KEY: WAKT1363062

MASIAKOWSKI TAX KEY: WAKT1363061

VELMA DR

LOT 2 LOT 1 LOT 3

1/4 S/L

1/16" LINE

BLOCK 2

TOWN OF WAKESHA

TAX KEY: WAKT1364997

ACCESS TO COUNTY HIGHWAY CONTROLLED BY WAUKESHA COUNTY CODE OF ORDINANCES

TAX KEY: WAKT1363064

LOT 8

SEE SHEET 4.07 MATCH LINE

STA. 18+00

PT 17+50.60 Y=149299.01 X=671604.23

SLOPE INTERCEPTS

PI 16+08.44

706 AT&T WISCONSIN EXISTING EASEMENT IN R/W DOC. 680566 V.1076 P.639

PC 13+74.71 Y=148896.64 X=671445.42

PT 11+34.02 Y=148834.82 X=671271.82

CSM 9033 PARCEL 1 DOC. 2585747 V.81 P.137-140

NO ACCESS PER DOT ROW PLAT 2773-03-22 (11-15-94)

2 JEWEL FOOD STORES TAX KEY: WAKC1364018 DOC.2585749

IAP (1995) per DOC. 2109303

CITY OF WAUKESHA

PLE1401 PLE1404 PLE1403 PLE1402 PLE1640

S39°05'35"E 20.06'

S49°53'16"W 27.27'

PLE FOR DRAINAGE

SAYLESVILLE RD

TLE1639 TLE1638 TLE1636 TLE1637

TLE FOR SLOPES WE ENERGIES DOC. 145327 V.203 P.362

1 HOFFMANN TAX KEY: WAKT1364996 DOC.733171

TOWN OF WAUKESHA

PC 8+94.47 Y=148643.00 X=670988.13

7+50.74 R/L=S/L

CONC. MON. W/BRASS CAP Y 147388.92 X 670971.27

1140.93'

SEE SHEET 4.07

STATION & OFFSET TABLE (GENESEE RD.)		
Point	Station	Offset
PRW1226	32+94.98	35.80L
PRW1345	33+28.10	62.06L
PRW1223	34+30.29	80.00L
TLE1642	34+25.00	87.00L
PRW1224	34+85.26	80.00L
PLE1405	34+86.72	85.00L
TLE1643	34+87.31	87.00L
TLE1644	34+89.67	95.00L
TLE1661	34+91.36	70.00R
TLE1662	34+92.62	80.00R
PLE1406	35+00.00	85.00L
PLE1407	35+00.00	80.00L
TLE1645	35+25.00	95.00L
TLE1646	35+30.00	85.00L
TLE1663	37+01.11	80.00R
TLE1664	37+02.22	75.00R
TLE1647	37+36.85	85.00L
TLE1665	37+57.24	75.00R
TLE1648	37+75.00	90.00L
TLE1649	39+00.00	90.00L
ERW1955	33+24.52	32.28L
ERW1915	34+83.19	72.98L

STATION & OFFSET TABLE (SAYLESVILLE RD.)		
Point	Station	Offset
TLE1636	8+60.00	50.00R
TLE1637	8+60.00	65.00R
TLE1639	8+90.00	55.00R
TLE1638	8+90.00	65.00R
PLE1401	11+00.00	60.41R
TLE1640	11+00.00	75.00R
PLE1402	11+00.00	85.00R
PLE1404	11+30.00	64.94R
PLE1403	11+30.00	85.00R

COURSE TABLE		
POINT No.	BEARING	DISTANCE
1223-1224*	N74°51'41"E	53.43'
1642-1643	N74°53'38"E	55.29'
1224-1407*	N74°09'52"E	14.33'
1407-1406	N15°58'59"W	5.00'
1915-1224	N0°11'35"E	7.31'
1224-1405	N0°11'35"E	5.20'
1405-1406*	N74°08'59"E	12.88'
1405-1644	N0°11'35"E	10.40'
1407-1912*	N71°40'10"E	228.12'
1646-1647*	N71°20'54"E	200.67'
1912-1901*	N66°36'10"E	264.24'
1402-1401	N40°55'54"W	24.59'
1401-1640	S40°55'54"E	14.59'
1638-1639	N53°31'33"W	10.00'
1638-1637	N36°28'27"E	30.00'
1637-1636	N53°31'33"W	15.00'
1915-1405	N00°11'35"E	12.50'
1647-1912	S01°34'41"W	5.40'
1643-1224	S00°11'35"W	7.28'
1643-1644	N00°11'35"E	10.40'
1911-1663	S07°13'54"E	10.25'
1663-1662*	S72°04'47"W	214.27'
1662-1661	N23°11'56"W	10.08'
1661-1911	N72°04'12"E	217.10'
1665-1664*	S69°25'21"W	56.46'
1664-1911	N07°13'54"W	5.13'
1911-1913*	N69°36'32"E	34.98'
1836-1900	N59°10'51"E	0.79'

* INDICATES LC AND LCB

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1663-1662	2944.79	4°10'11"	214.32	107.20
1661-1911	2934.79	4°14'22"	217.15	108.62
1665-1664	2939.79	1°06'02"	56.46	28.23
1911-1913	2934.79	0°40'58"	34.98	17.49
1223-1224	2784.79	1°05'58"	53.43	26.72
1405-1406	2779.79	0°15'56"	12.88	6.44
1407-1224	2784.79	0°17'41"	14.33	7.16
1644-1645	2769.79	0°42'24"	34.16	17.08
1646-1647	2779.79	4°08'13"	200.71	100.40
1912-1224	2784.79	4°59'23"	242.51	121.33
1901-1912	2784.79	5°26'19"	264.33	132.27
1912-1407	2784.79	4°41'41"	228.18	114.16

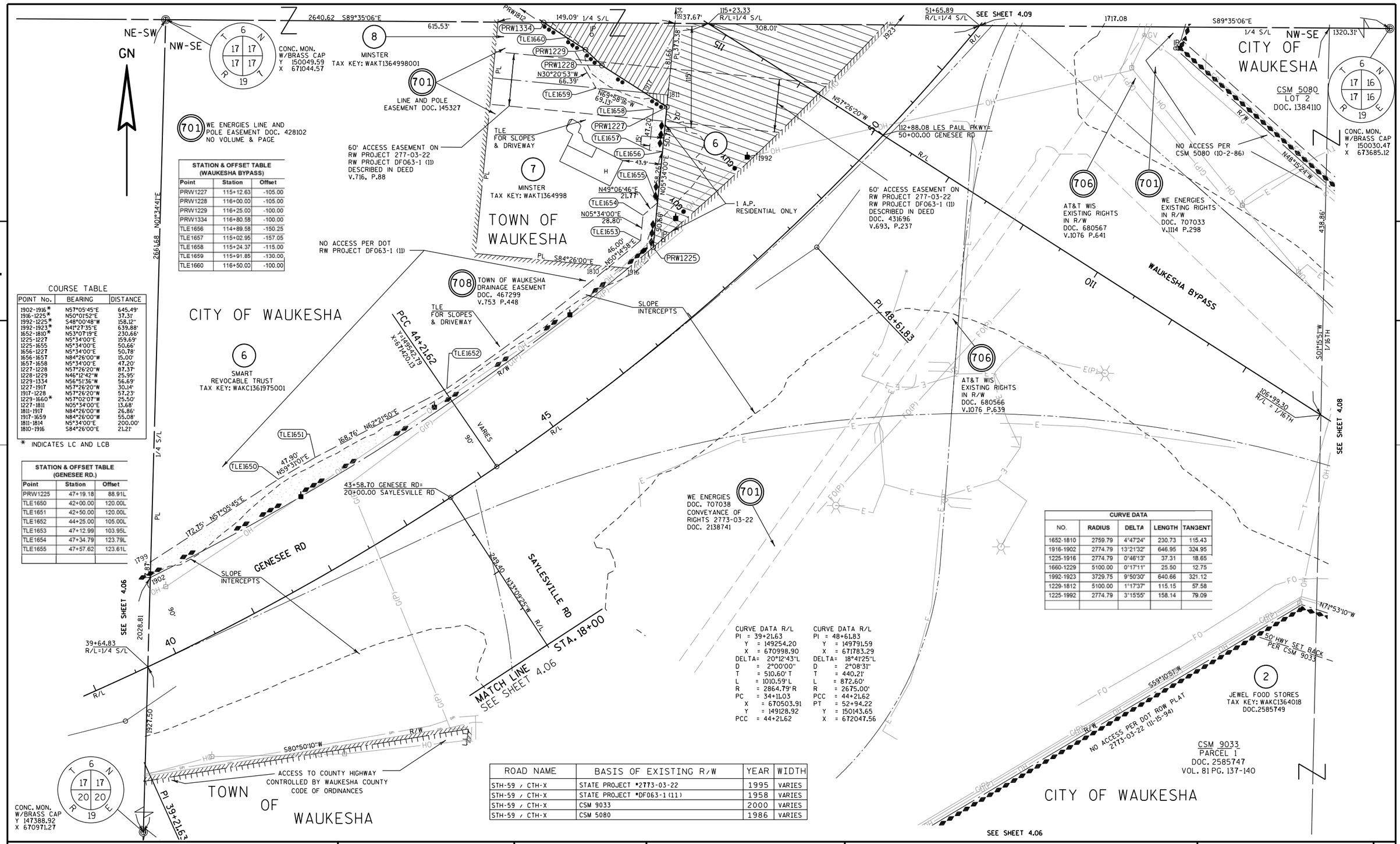
CURVE DATA
PI = 39+21.63
Y = 149254.20
X = 670998.90
DELTA= 20°12'43"L
D = 2°00'00"
T = 510.60' T
L = 1010.59' L
R = 2864.79' R
PC = 34+11.03
PCC = 44+21.62

CURVE DATA R/L
PI = 10+30.19
Y = 148754.13
X = 671168.81
DELTA= 16°31'02"R
D = 6°07'40"
T = 135.71'
L = 269.54'
R = 935.00'

CURVE DATA R/L
PI = 16+08.44
Y = 149103.33
X = 671632.07
DELTA= 86°08'54"L
D = 22°55'06"
T = 233.73'
L = 375.89'
R = 250.00'

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.06	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_06_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



COURSE TABLE

POINT No.	BEARING	DISTANCE
1902-1916*	N57°05'45"E	645.49'
1916-1225*	N50°01'52"E	37.31'
1992-1225*	S48°00'48"W	158.12"
1992-1923*	N41°27'35"E	639.88'
1652-1810*	N53°07'19"E	230.66'
1225-1227	N5°34'00"E	159.69'
1225-1655	N5°34'00"E	50.66'
1656-1227	N5°34'00"E	50.78'
1656-1657	N84°26'00"W	15.00'
1657-1658	N5°34'00"E	47.20'
1227-1228	N57°26'20"W	87.37'
1228-1229	N46°12'42"W	25.95'
1229-1334	N56°51'36"W	56.69'
1227-1917	N57°26'20"W	30.14'
1917-1228	N57°26'20"W	57.23'
1229-1660*	N57°02'07"W	25.50'
1227-1811	N05°34'00"E	13.68'
1811-1917	N84°26'00"W	26.86'
1917-1659	N84°26'00"W	55.08'
1811-1814	N5°34'00"E	200.00'
1810-1916	S84°26'00"E	21.21'

* INDICATES LC AND LCB

STATION & OFFSET TABLE (WAUKESHA BYPASS)

Point	Station	Offset
PRW1227	115+12.63	-105.00
PRW1228	116+00.00	-105.00
PRW1229	116+25.00	-100.00
PRW1334	116+80.58	-100.00
TLE1656	114+89.58	-150.25
TLE1657	115+02.95	-157.05
TLE1658	115+24.37	-115.00
TLE1659	115+91.85	-130.00
TLE1660	116+50.00	-100.00

STATION & OFFSET TABLE (GENESEE RD.)

Point	Station	Offset
PRW1225	47+19.18	88.91L
TLE1650	42+00.00	120.00L
TLE1651	42+50.00	120.00L
TLE1652	44+25.00	105.00L
TLE1653	47+12.99	103.95L
TLE1654	47+34.79	123.79L
TLE1655	47+57.62	123.61L

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1652-1810	2759.79	4°47'24"	230.73	115.43
1916-1902	2774.79	13°21'32"	646.95	324.95
1225-1916	2774.79	0°46'13"	37.31	18.65
1660-1229	5100.00	0°17'11"	25.50	12.75
1992-1923	3729.75	9°50'30"	640.66	321.12
1229-1812	5100.00	1°17'37"	115.15	57.58
1225-1992	2774.79	3°15'55"	158.14	79.09

CURVE DATA R/L
PI = 39+21.63
Y = 149254.20
X = 670998.90
DELTA= 20°12'43"L
D = 2°00'00"
T = 510.60' T
L = 1010.59' L
R = 2864.79' R
PC = 34+11.03
X = 670503.91
Y = 149128.92
PCC = 44+21.62

CURVE DATA R/L
PI = 48+61.83
Y = 149791.59
X = 671783.29
DELTA= 18°41'25"L
D = 2°08'31"
T = 440.21'
L = 872.60'
R = 2675.00'
PCC = 44+21.62
PT = 52+94.22
Y = 150143.65
X = 672047.56

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	STATE PROJECT #2773-03-22	1995	VARIES
STH-59 / CTH-X	STATE PROJECT #DF063-1(11)	1958	VARIES
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CSM 5080	1986	VARIES

REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE, FEET 0 50 100

HWY: USH 18 | STATE R/W PROJ. #2788-00-22 | PLAT SHEET 4.07

COUNTY: WAUKESHA | CONST. PROJ. #2788-00-71,72 ; 2788-02-70 | PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_07_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CSM 5080	1986	VARIES
STH-59 / CTH-X	PROJECT 2773-3-22	1995	VARIES

STATION & OFFSET TABLE		
Point	Station	Offset
TLE1666	104+20.27	157.82R
TLE1667	104+15.47	187.43R
TLE1668	103+74.35	180.79R
TLE1669	103+74.35	150.40R

CURVE DATA R/L	
PI	= 101+57.44
Y	= 149309.37
X	= 672812.29
DELTA	= 9°10'56"L
D	= 3°49'11"
T	= 120.45'
L	= 240.39'
R	= 1500.00'

CURVE DATA R/L	
PI	= 89+80.78
Y	= 148480.46
X	= 673741.22
DELTA	= 42°19'23"R
D	= 2°58'44"
T	= 744.54'
L	= 1420.75'
R	= 1923.37'

REVISION DATE	DATE: 05/21/2015	SCALE. FEET	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.08	
08/28/2015 10/30/2015 04/27/2016 06/03/2016 07/29/2016		0 50 100	COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_08_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	CSM 5080	1995	VARIES
STH-59 / CTH-X	STATE PROJECT #2370-08-70	2007	VARIES
STH-59 / CTH-X	CSM 8521	1998	VARIES
STH-59 / CTH-X	STATE PROJECT #DF063-1(11)	1958	VARIES

CONC. MON.
W/BRASS CAP
Y 152717.47
X 671080.79

GN

CITY OF WAUKESHA

TOWN OF WAUKESHA

CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
Y = 150087.25
X = 671594.13
PT = 135+00.04
Y = 151384.20
X = 670224.29

CURVE DATA R/L
PI = 48+61.83
Y = 149791.59
X = 671783.29
DELTA= 18°41'25"L
D = 2°08'31"
T = 440.21'
L = 872.60'
R = 2675.00'
PCC = 44+21.62
Y = 149542.79
X = 671420.13
PT = 51+94.22

CURVE DATA R/L
PI = 59+51.53
Y = 150669.33
X = 672442.17
DELTA= 4°38'11"L
D = 3°49'13"
T = 60.71'
L = 121.36'
R = 1499.75'

COURSE TABLE

POINT No.	BEARING	DISTANCE
1333-1237*	S52°22'32"E	625.07'
1923-1992*	S41°27'35"W	639.88'
1812-1332*	N53°14'54"W	469.22'
1229-1812*	N56°31'54"W	115.15'
1921-1923*	S36°21'07"W	24.32'
1232-1815*	S32°49'09"W	43.74'
1919-1232*	S32°22'12"W	14.90'
1674-1672*	S50°18'11"E	254.97'
1812-1813	N05°34'00"E	104.09'
1813-1814	S84°26'00"E	200.00'
1814-1811	S05°34'00"W	200.00'
1233-1232	N63°07'17"E	49.77'
1232-1670	S63°07'17"W	29.68'
1903-1815*	S34°39'35"W	196.52'
1234-1235*	S38°58'03"W	146.14'
1232-1815*	S32°49'09"W	43.74'

* INDICATES LC AND LCB

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1229-1812	5100.00	1°17'37"	115.15	57.58
1333-1237	4900.00	7°18'50"	625.50	313.17
1923-1992	3729.75	9°50'30"	640.66	321.12
1812-1332	5100.00	5°16'24"	469.39	234.86
1919-1232	3739.75	0°13'42"	14.90	7.45
1674-1672	5100.00	2°51'53"	255.00	127.53
1815-1903	3739.75	3°00'40"	196.54	98.29
1921-1923	3729.75	0°22'25"	24.32	12.16
1235-1234	2520.00	2°19'23"	146.16	73.10
1232-1815	3739.75	0°40'13"	43.74	21.87

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
TLE1845	114+21.36	150'R
PRW1235	114+22.75	140'R
PRW1236	114+50.00	140'R
PLE1676	115+75.00	122.33'R
PLE1682	115+75.00	140'R
TLE1844	115+75.00	150'R
PRW1334	116+80.58	100'L
PRW1237	117+25.00	100'R
TLE1672	121+00.00	100'L
PRW1332	121+98.07	100'L
PRW1333	123+63.26	100'R

STATION & OFFSET TABLE (GENESEE RD.)		
Point	Station	Offset
PRW1232	58+00.00	68.01'L
PRW1233	57+55.35	90.00'L
PRW1234	52+75.00	155.00'L
PRW1235	51+19.85	155.00'L
TLE1670	57+73.38	81.12'L
TLE1671	59+62.87	94.28'L

60' ACCESS EASEMENT ON
RW PROJECT 277-03-22
RW PROJECT DF063-1 (11)
DOC. 486310 V.785
P.491-492

NO ACCESS PER DOT
RW PROJECT DF063-1 (11)
DOC. 486310 V.785
P.491-492

(701) WE ENERGIES LINE AND POLE EASEMENT OVER AND ACROSS PREMISIS DOC. 428102

(6) SMART REVOCABLE TRUST
TAX KEY: WAKC1361975001
DOC. 3822686

(708) TOWN OF WAUKESHA DRAINAGE EASEMENT
DOC. 467299
V.753 P.448,449

(8) MINSTER
TAX KEY: WAKT1364998001

(12) BELL
TAX KEY: WAKT1361976003

(706) AT&T LINE AND POLE EASEMENT EXACT LOCATION NOT GIVEN
DOC. 676320

(11) WAUKESHA CO. PARKS & LAND USE
TAX KEY: WAKT1361976003

TAX KEY: WAKT1361037

LOT 1
CSM 8521
V74, P.348-354
DOC. 2308378

OUTLOT 1

NO ACCESS PER
CSM 8521 V.74
P.348-354

1 A.P.
RESIDENTIAL
ONLY

(700) WE ENERGIES GAS
NO RECORDED
EASEMENT

30' ACCESS
POINT PER
CSM 8521
V.74
P.348-354

WAUKESHA CO. PARKS
& LAND USE
TAX KEY: WAKT1361974

NO ACCESS PER
CSM 5080
DOC. 13841100
V.41 P.239-242

CSM 5080
LOT 2
DOC. 1384110

SLOPE INTERCEPTS

PT 60+12.18
Y=150720.67
X=672474.37

PC 58+90.81
Y=150620.77
X=672405.72

PT 52+94.22
Y=150343.65
X=672047.36

PI 59+51.53

PRW1333 PRW1239 PRW1230 TLE1674 TLE1673 PRW1332 TLE1672 PRW1334 PRW1237 PRW1234 PRW1235 PRW1236 PRW1232 PRW1233 TLE1844 PLE1682 PLE1676 TLE1845 TLE1670 TLE1671

PEBBLE CREEK

WAUKESHA BYPASS

GENESEE RD

SEE SHEET 4.10

SEE SHEET 4.07

SW-NE 1/4 S/L 2640.62 S89°35'6"E 615.53'

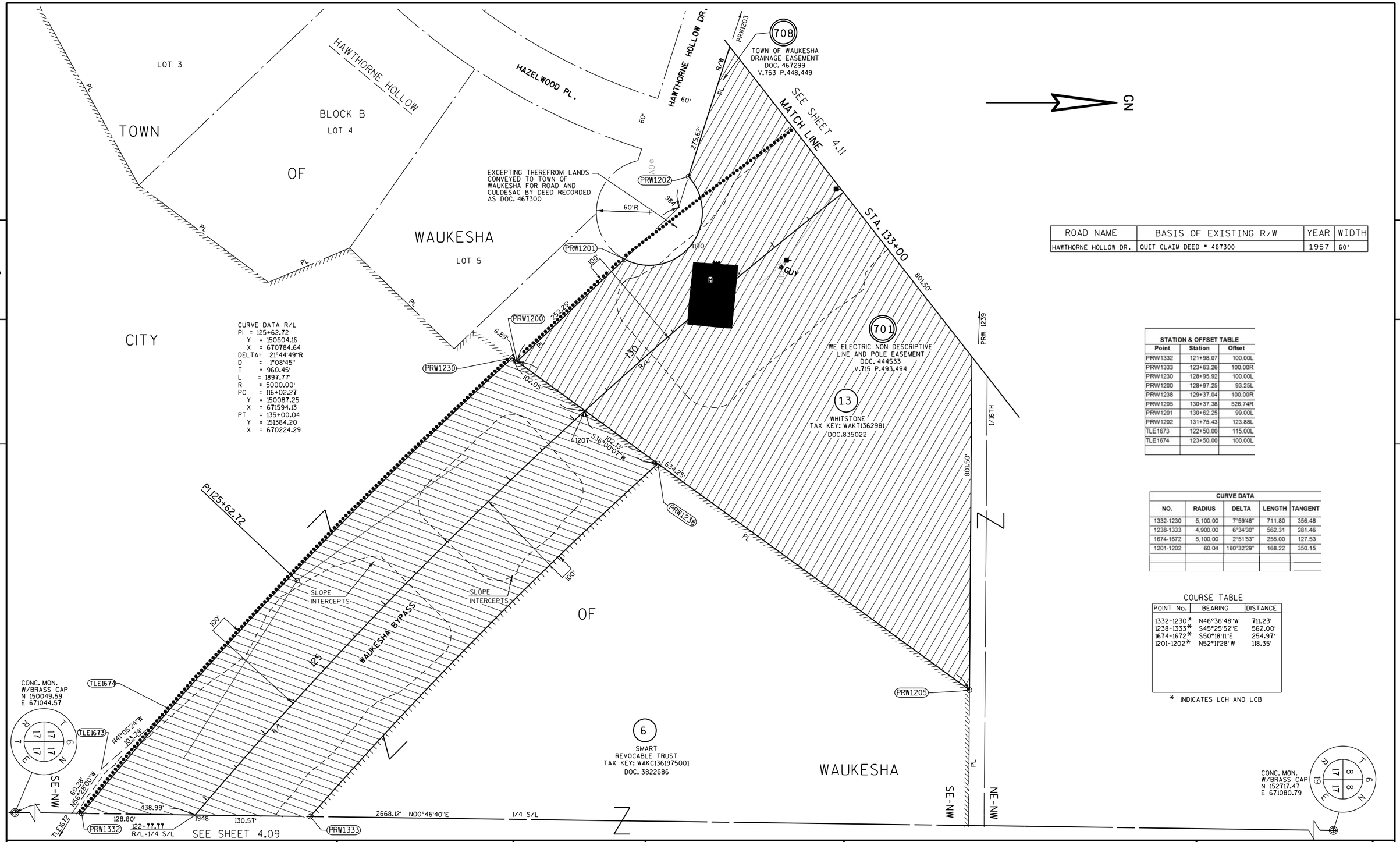
SW-NE SE-NE 1/4 S/L 2640.62 S89°35'06"E

CONC. MON.
W/BRASS CAP
Y 150049.59
X 671044.57

CONC. MON.
W/BRASS CAP
Y 150030.47
X 673685.12

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.09
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_09_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
Y = 150087.25
X = 671594.13
PT = 135+00.04
Y = 151384.20
X = 670224.29

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
HAWTHORNE HOLLOW DR.	QUIT CLAIM DEED # 467300	1957	60'

STATION & OFFSET TABLE

Point	Station	Offset
PRW1332	121+98.07	100.00L
PRW1333	123+63.26	100.00R
PRW1230	128+95.92	100.00L
PRW1200	128+97.25	93.25L
PRW1238	129+37.04	100.00R
PRW1205	130+37.38	526.74R
PRW1201	130+62.25	99.00L
PRW1202	131+75.43	123.88L
TLE1673	122+50.00	115.00L
TLE1674	123+50.00	100.00L

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1332-1230	5,100.00	7°59'48"	711.80	356.48
1238-1333	4,900.00	6°34'30"	562.31	281.46
1674-1672	5,100.00	2°51'53"	255.00	127.53
1201-1202	60.04	160°32'29"	168.22	350.15

COURSE TABLE

POINT No.	BEARING	DISTANCE
1332-1230*	N46°36'48"W	711.23'
1238-1333*	S45°25'52"E	562.00'
1674-1672*	S50°18'11"E	254.97'
1201-1202*	N52°11'28"W	118.35'

* INDICATES LCH AND LCB

REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE: FEET 0 50 100

HWY: USH 18 | STATE R/W PROJ. #2788-00-22 | PLAT SHEET 4.10

COUNTY: WAUKESHA | CONST. PROJ. #2788-00-71,72 ; 2788-02-70 | PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_10_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

STATION & OFFSET TABLE		
Point	Station	Offset
PRW1203	133+65.65	257.42'L
PRW1239	134+09.37	100.00'R
PRW1240	134+97.65	100.00'R
PRW1335	135+61.20	100.00'L
PRW1241	136+46.47	199.68'R
PRW1242	137+00.48	125.00'R
PRW1245	137+39.02	100.00'L
PRW1254	137+39.02	125.00'R
PRW1290	138+00.00	125.00'R
PRW1295	138+50.00	100.00'R
TLE1677	138+50.00	125.00'R
TLE1678	139+60.00	115.00'R
TLE1683	140+25.00	105.00'R
PLE1675	141+00.00	100.00'R
TLE1829	141+05.08	105.00'R
PLE1828	141+25.00	125.00'R
PLE1826	141+90.00	100.00'R
PLE1827	141+90.00	125.00'R
PRW1243	144+15.28	100.00'R
PRW1246	144+15.28	100.00'L

TOWN OF WAUKESHA

CITY OF WAUKESHA

TOWN OF WAUKESHA

CONC. MON.
W/ BRASS CAP
Y 150064.58
X 668370.33

CONC. MON.
W/ BRASS CAP
Y 152739.79
X 668436.82

CONC. MON.
W/BRASS CAP
Y 152717.47
X 671080.79

CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
Y = 150087.25
X = 671594.13
PT = 135+00.04
Y = 151384.20
X = 670224.29

CURVE 1245-1246
DELTA= 20°39'54"L
R = 1775.00'
T = 323.61'
L = 640.19'
LCB = N46°01'28"W
LCH = 636.73 '

CURVE 1239-1240
DELTA= 1°00'42"L
R = 4900.00'
T = 43.26'
L = 86.51'
LCB = N36°13'31"W
LCH = 86.51 '

CURVE 1290-1254
DELTA= 1°51'49"R
R = 2000.00'
T = 32.53'
L = 65.05'
LCB = S36°37'26"E
LCH = 65.04 '

CURVE 1922-1295
DELTA= 0°48'46"R
R = 1975.00'
T = 14.01'
L = 28.02'
LCB = S39°29'24"E
LCH = 28.02 '

CURVE 1922-1675
DELTA= 6°49'35"L
R = 1975.00'
T = 117.80'
L = 235.31'
LCB = N43°18'35"W
LCH = 235.17 '

CURVE 1675-1826
DELTA= 2°45'01"L
R = 1975.00'
T = 47.41'
L = 94.80'
LCB = N48°05'53"W
LCH = 94.79 '

CURVE 1827-1828
DELTA= 1°59'11"R
R = 2000.00'
T = 34.67'
L = 69.33'
LCB = S48°28'48"E
LCH = 69.33 '

CURVE 1243-1922
DELTA= 16°27'38"R
R = 1975.00'
T = 285.67'
L = 567.40'
LCB = S48°07'36"E
LCH = 565.45 '

CURVE C4
PI = 140+80.86
Y = 151842.05
X = 669895.39
DELTA= 20°39'54"L
D = 3°03'21"
T = 341.84'
L = 676.26'
R = 1875.00'
PC = 137+39.02
Y = 151564.41
X = 670094.83
PT = 144+15.28
Y = 152031.43
X = 669610.81

REVISION DATE 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.11
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_11_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CONC. MON.
W/BRASS CAP
Y 152739.79
X 668436.82
STA. 44+71.41
OFFSET 33.00'

CONC. MON.
W/BRASS CAP
Y 155418.28
X 668524.90

44+72.22
R/L=S/L

S01°53'01"W 2679.94'

PC 46+99.12

PT 48+73.65

SEE SHEET 4.14

154+50.00 WAUK. BYPASS=
50+00 SUNSET DR.

N80°29'01"E

SEE SHEET 4.13

GN

SUNSET DR

S/L 45

S89°30'59"E

W(P)

SE-SE

SEE SHEET 4.13

NE-NE

SW-SW

33'

33.00'

2644.07'
N89°30'59"W

S/L 308.45'

R/L

PRW1210

153+72.59
R/L=S/L

592.00'

342.08'

PRW1211

1743.50'

276.77'

SW-SW

TLE1714

SE-SW

S/L

S79°30'59"E
101.41'

TLE1700

NW-NW

NE-NW

27.00'

PRW1305

308.93'

60'

27'

PRW1304

PI 47+86.61

PL

NW-NW

TOWN OF WAUKESHA

701

WE ENERGIES LINE AND POLE
EASEMENT OVER AND ACROSS
PREMISES DOC. 310917
V.461 P.162

STATION & OFFSET TABLE (SUNSET DR.)		
Point	Station	Offset
PRW1210	47+77.17	36.15'R
PRW1304	47+75.18	63.07'R
PRW1305	44+70.97	60'R

180.61'

364.00'

PT 151+93.86

R/L N24°30'59"W

HSE

701

WE ENERGIES LINE AND POLE
EASEMENT OVER AND ACROSS
PREMISES DOC. 310917
V.461 P.162

364.00'

N00°29'01"E

PRW1248

701

TLE FOR SLOPES
& DRIVEWAY

TLE1696

S17°19'48"E
41.30'

TLE1697

S17°19'48"E
45.00'

TLE1698

N38°15'44"E
69.28'

TLE1699

322.04'

17
HARDY
TAX KEY: WAKC1362999003

CONC. MON.
W/BRASS CAP
Y 152717.47
X 671080.79

4

4

18
THORP
C/O HORNING
TAX KEY: WAKT1362997

19
ROLLO
TAX KEY: WAKT1362998

130.91'

PRW1209

326.75'

592.00'

PL

TLE1689

PRW1208

265.52'

PRW1213

PRW1248

7.91'

PIP

100'

CURVE 1248-1244
DELTA= 12°08'41"L
R = 900.00'
T = 95.74'
L = 190.77'
LCB = S50°17'05"E
LCH = 190.41'

701

WE ENERGIES LINE AND POLE
EASEMENT OVER AND ACROSS
PREMISES DOC. 310917
V.461 P.162

CURVE DATA R/L
SUNSET DR.
PI = 47+86.61
Y = 152770.12
X = 668752.28
DELTA= 10°00'00"L
D = 5°43'46"
T = 87.49'
L = 174.53'
R = 1000.00'
PC = 46+99.12
Y = 152770.86
X = 668664.79
PT = 48+73.65
Y = 152784.59
X = 668838.56

S/L 2676.03' N01°25'25"E

PL

CITY OF WAUKESHA

SLOPE
INTERCEPT

PRW1244

N56°21'25"W
222.86'

WAUKESHA BYPASS

PC 146+38.14

PI 149+23.38

R/L

40'

TLE1688

17
HARDY
LIVING TRUST
TAX KEY: WAKC1362999003

S60°12'00"E
140.19'

R/L CURVE DATA
PI = 149+23.38
Y = 152312.93
X = 669187.81
DELTA= 31°50'26"R
D = 5°43'46"
T = 285.24'
L = 555.72'
R = 1000.00'
PC = 146+38.14
Y = 152154.90
X = 669425.28
PT = 151+93.86
Y = 152572.45
X = 669069.45

CURVE 1688-1689
DELTA= 7°27'15"R
R = 1140.00'
T = 74.26'
L = 148.31'
LCB = N36°28'48"W
LCH = 148.21'

CURVE 1687-1208
DELTA= 12°57'03"L
R = 1100.00'
T = 124.85'
L = 248.64'
LCB = N40°36'26"W
LCH = 248.11'

CURVE 1681-1247
DELTA= 7°33'20"L
R = 1100.00'
T = 72.63'
L = 145.05'
LCB = N52°34'45"W
LCH = 144.95'

CURVE 1247-1208
DELTA= 22°13'30"R
R = 1100.00'
T = 216.06'
L = 426.69'
LCB = N45°14'40"W
LCH = 424.02'

100'

TLE1687

TLE1681

S29°59'37"E
71.26'

TLE1680

S64°16'22"E

N56°21'25"W
78.13'
160.44'

222.86'

PRW1247

TLE1679

MATCH LINE

STA. 145+00

145

PRW1243

SEE SHEET 4.11

PRW1246

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
TLE1679	145+60.00	100.00'L
PRW1244	146+38.14	100.00'R
PRW1247	146+38.14	100.00'L
TLE1680	147+10.00	125.00'L
TLE1681	147+70.00	100.00'L
TLE1687	148+00.00	100.00'L
PRW1248	148+50.10	100.00'R
PRW1213	148+56.38	105.54'R
TLE1688	149+20.00	140.00'L
PRW1208	150+26.04	100.00'L
TLE1689	150+50.10	140.00'L
PRW1209	151+60.99	381.31'L
PRW1211	153+28.02	310.03'R
PRW1304	154+53.78	237.99'L
PRW1210	154+78.24	226.56'L

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
SUNSET DR.	WARRANTY DEED #1292129	1985	33'

CONC. MON.
W/BRASS CAP
Y 150064.58
X 668370.33

REVISION DATE 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.12	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_12_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
SUNSET DR.	WARRANTY DEED #1292129	1985	33'
SUNSET DR.	WARRANTY DEED #867154	1973	66'
SUNSET DR.	WARRANTY DEED #1578901	1990	17'
SUNSET DR.	AWARD OF DAMAGES FOR FEE SIMPLE #486551	1958	17'

TOWN OF WAUKESHA

701 WE ENERGIES UTILITIES EASEMENT DOC. 517932 V.840 P.106

22 CHRISTOPH FAMILY TRUST TAX KEY: WAKT1327998

WAUKESHA COUNTY PUBLIC WORKS TAX KEY: WAKT1327996

CITY OF WAUKESHA TAX KEY: WAKC1328996

CITY OF WAUKESHA

GN

4 SEE SHEET 4.14

PRW1710 — PRW1256 — PRW1708 — PRW1255 — PRW1706 — PRW1258

N83°35'27"E 214.86 — S78°21'23"E 197.99 — 278.34 — N67°00'54"W — 121.96 — N77°40'23"W — S77°19'48"E

PC 52+60.15 — R 54+45.24 — PT 56+25.69 — PC 58+81.99 — PT 60+82.78

APPARENT GAP +/-8'

ERW1818 — R/W 1545.70'

1/16TH S01°44'23"W — S01°53'01"W — N02°24'30"E — N01°00'15"E — PL

CURVE C2
PI = 54+45.24
Y = 152879.09
X = 669402.28
DELTA= 22°11'11"R
D = 6°04'10"
T = 185.09'
L = 365.54'
R = 944.00'
PC = 52+60.15
Y = 152848.49
X = 669219.74
PT = 56+25.69
Y = 152838.49
X = 669582.87

CURVE C3
PI = 59+82.77
Y = 152760.17
X = 669931.25
DELTA= 12°11'11"L
D = 6°04'10"
T = 100.77'
L = 200.78'
R = 944.00'
PC = 58+81.99
Y = 152782.28
X = 669832.93
PT = 60+82.78
Y = 152759.32
X = 670032.01

CONC. MON. W/BRASS CAP Y 152717.47 X 671080.79

T 6 N — R 7 8 18 17 E — 19

S89°30'59"E — 23.40' — 1931 — 1930 — 60 — 33' — 50' — 65 — R/L — S89°30'59"E

(P) W(P) PRW1211 — 1322.035' — SW-SW — SE-SW 1411.93' — PL S/L 1950 1951 N89°30'59"W 255.54' 1954 — 1926 SUNSET DR 2644.07' — S/L — 6' 12' 33'

SEE SHEET 4.12 — S79°51'59"E 101.41 — PRW1250 — TLE1700 — N89°30'59"W 194.90 — S89°30'59"E 72.35 — 27' — PRW1249 — PRW1251 — S00°59'01"W 17.00' — SLOPE INTERCEPT — N89°30'59"W R/W

NW-NW — NE-NW — PI 59+82.77 — 1 A.P.

T 6 N — R 7 8 18 17 E — 19

NW-17-6-19
Y 152739.79
X 668436.82

CURVE 1249-1250
DELTA= 10°36'43"R
R = 994.00'
T = 92.31'
L = 184.10'
LCB = N84°12'38"W
LCH = 183.84'

701 LINE AND POLE 6' EASEMENT OVER NORTH DOC. 516583 V.838 P.40

701 LINE AND POLE 6' EASEMENT OVER NORTH DOC. 516582 V.838 P.38

17 HARDY LIVING TRUST TAX KEY: WAKC1362999003

16 GIBSON FUND LLP TAX KEY: WAKT1361976002

1/16TH N01°06'04"E — N00°59'01"E — PL

STATION & OFFSET TABLE		
Point	Station	Offset
PRW1264	39+69.52	50'L
PRW1263	39+72.36	25.38'L
PRW1307	39+79.60	48.79'R
PRW1306	39+79.74	50'R
PRW1352	42+50.00	60'R
PRW1353	42+50.00	50'R
TLE1692	44+00.00	50'L
PRW1305	44+70.97	60'R
PRW1308	44+73.44	50'L
PRW1256	52+60.15	100'L
PRW1708	54+50.00	130'L
PRW1255	56+25.69	100'L
PRW1706	59+00.00	65'L
PRW1258	59+50.00	50'L
PRW1259	60+82.78	50'L

TOWN OF WAUKESHA

MERRILL HILLS RD — C/L — GAS — OHU — G(P) — E — HH S06°50'50"E

701 WE ENERGY LINE AND POLE EASEMENT ALONG AND CROSS ROAD OR SECTION LINE ROAD DOC. 154943 V.210 P.359

22 CHRISTOPH FAMILY TRUST TAX KEY: WAKT1327998

706 AT&T LINE AND POLE EASEMENT ABBUTTING EASTERLY LINE OF MERRILL HILLS RD. DOC. 433744 V.697 P.103

701 WE ENERGY LINE AND POLE EASEMENT OVER AND UPON PREMISES DOC. 211093 V.266 P.12

PRW1264 — PRW1263 — PI 39+50.00 — 21.78' — 1925 — 40

S89°30'59"E — 50' — 503.93' — TLE1692 — PRW1308 — N85°42'21"E 2679.94' — S01°55'01"W

488.83' — S88°38'40"W — 1818 — N89°30'59"W 2.67' — 44+72.22 R/L=S/L

N48°55'09"W 12.40' — N05°59'35"W 1.22' — 2657.69 — S88°38'40"W — JP — MH

SUNSET DR — R/L — S89°30'59"E — 66' — S/L — 492.07' — 33.01' — 27.00'

SE-SE — SW-SW — SEE SHEET 4.12

270.26' N89°30'59"W — 50' — PRW1353 — 60' — 220.97' N89°30'59"W

PRW1307 — PRW1306 — NOO°29'01"E 10.00' — PRW1352 — 220.97 HELLER — 21 TAX KEY: WAKT1365999 — NE-NE — PRW1305 — NO1°25'25"E 2676.03'

NW-NW

CONC. MON. W/BRASS CAP Y 155418.28 X 668524.90

T 6 N — R 7 8 7 8 E — 19

SEE SHEET 4.14

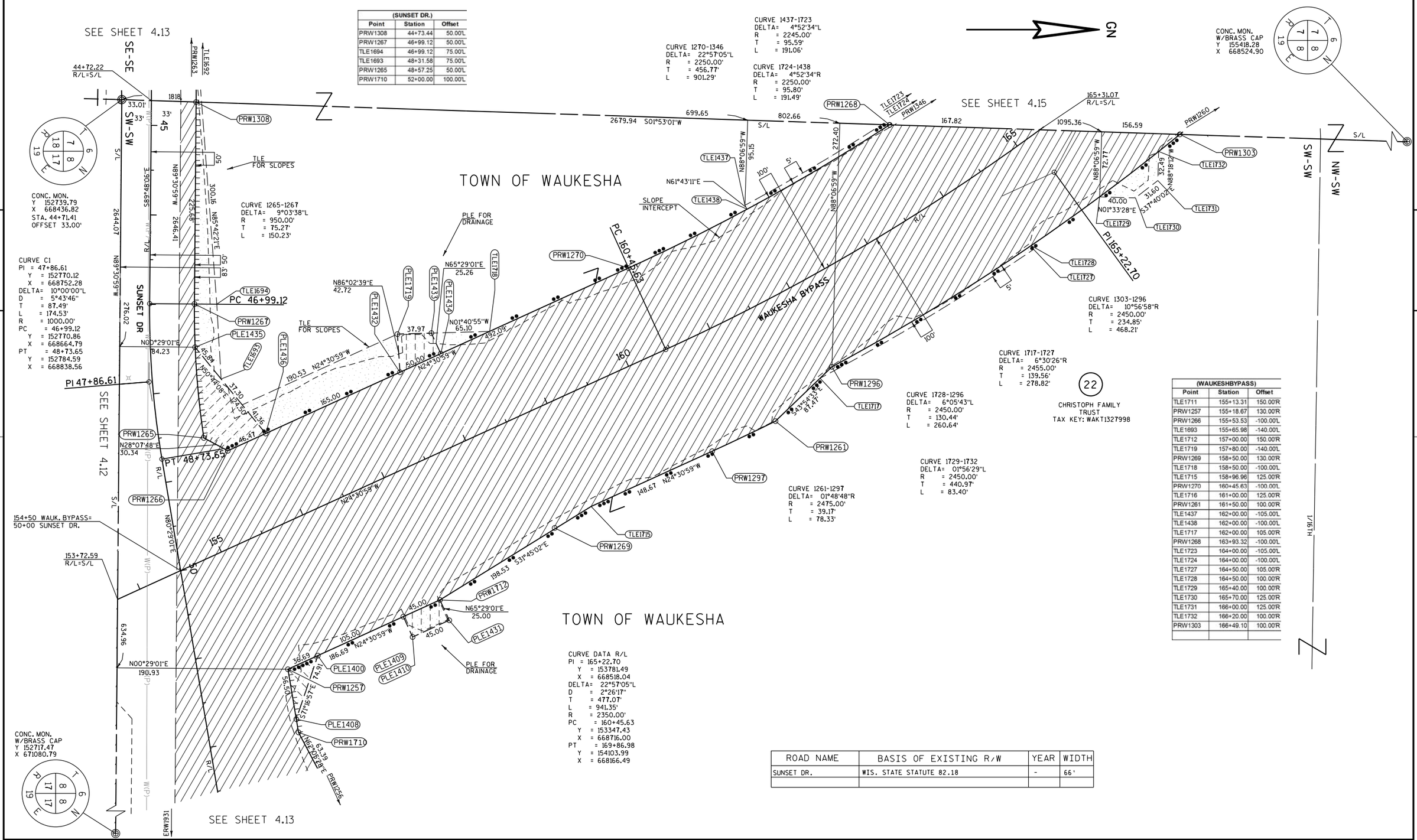
CONC. MON. W/BRASS CAP Y 152739.79 X 668436.82 STA. 44+71.41 OFFSET 33.00'

T 6 N — R 7 8 18 17 E — 19

TOWN OF WAUKESHA

REVISION DATE	08/28/2015	07/29/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.13	
	03/02/2016				COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E
	04/27/2016							
	06/03/2016							

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_13_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



(SUNSET DR.)		
Point	Station	Offset
PRW1308	44+73.44	50.00'L
PRW1267	46+99.12	50.00'L
TLE1694	46+99.12	75.00'L
TLE1693	48+31.58	75.00'L
PRW1265	48+57.25	50.00'L
PRW1710	52+00.00	100.00'L

CURVE 1270-1346
DELTA= 22°57'05"L
R = 2250.00'
T = 456.77'
L = 901.29'

CURVE 1437-1723
DELTA= 4°52'34"L
R = 2245.00'
T = 95.59'
L = 191.06'

CURVE 1724-1438
DELTA= 4°52'34"R
R = 2250.00'
T = 95.80'
L = 191.49'

CURVE 1265-1267
DELTA= 9°03'38"L
R = 950.00'
T = 75.27'
L = 150.23'

CURVE C1
PI = 47+86.61
Y = 152770.12
X = 668752.28
DELTA= 10°00'00"L
D = 5°43'46"
T = 87.49'
L = 174.53'
R = 1000.00'
PC = 46+99.12
Y = 152770.86
X = 668664.79
PT = 48+73.65
Y = 152784.59
X = 668838.56

CURVE 1303-1296
DELTA= 10°56'58"R
R = 2450.00'
T = 234.85'
L = 468.21'

CURVE 1717-1727
DELTA= 6°30'26"R
R = 2455.00'
T = 139.56'
L = 278.82'

CURVE 1728-1296
DELTA= 6°05'43"L
R = 2450.00'
T = 130.44'
L = 260.64'

CURVE 1729-1732
DELTA= 01°56'29"L
R = 2450.00'
T = 440.97'
L = 83.40'

CURVE 1261-1297
DELTA= 01°48'48"R
R = 2475.00'
T = 39.17'
L = 78.33'

22
CHRISTOPH FAMILY TRUST
TAX KEY: WAKT1327998

(WAUKESHBYPASS)		
Point	Station	Offset
TLE1711	155+13.31	150.00'R
PRW1257	155+18.67	130.00'R
PRW1266	155+53.53	-100.00'L
TLE1693	155+65.98	-140.00'L
TLE1712	157+00.00	150.00'R
TLE1719	157+80.00	-140.00'L
PRW1269	158+50.00	130.00'R
TLE1718	158+50.00	-100.00'L
TLE1715	158+96.96	125.00'R
PRW1270	160+45.63	-100.00'L
TLE1716	161+00.00	125.00'R
PRW1261	161+50.00	100.00'R
TLE1437	162+00.00	-105.00'L
TLE1438	162+00.00	-100.00'L
TLE1717	162+00.00	105.00'R
PRW1268	163+93.32	-100.00'L
TLE1723	164+00.00	-105.00'L
TLE1724	164+00.00	-100.00'L
TLE1727	164+50.00	105.00'R
TLE1728	164+50.00	100.00'R
TLE1729	165+40.00	100.00'R
TLE1730	165+70.00	125.00'R
TLE1731	166+00.00	125.00'R
TLE1732	166+20.00	100.00'R
PRW1303	166+49.10	100.00'R

CURVE DATA R/L
PI = 165+22.70
Y = 153781.49
X = 668518.04
DELTA= 22°57'05"L
D = 2°26'17"
T = 477.07'
L = 941.35'
R = 2350.00'
PC = 160+45.63
Y = 153347.43
X = 668716.00
PT = 169+86.98
Y = 154103.99
X = 668166.49

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
SUNSET DR.	WIS. STATE STATUTE 82.18	-	66'

REVISION DATE	DATE: 05/21/2015	SCALE, FEET	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.14	
08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016		0 50 100	COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_14_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD @ RRW CROSSING	WI AND SOUTHER RR	-	66'
MERRILL HILLS RD @ RRW CROSSING	WI DOT DOC #1267242	1983	100'
MERRILL HILLS RD	CSM 1505, DOC #805033	1971	50'

GN

TOWN OF WAUKESHA

BLDG

MERRILL HILLS RD

R/W 66' 33' 50' 73'

Parcel 2
CSM 01505
V10 P.127-128
Doc. #805033

Parcel 3
CSM 01505
V10 P.127-128
Doc. #805033

K R AUTO REPAIR LLC
TAX KEY: WAKT1324994003

Parcel 3

26
WAUKESHA STORAGE LLC
TAX KEY: WAKT1324991001
DOC. 2719464

701
WE ENERGIES LINE AND POLE EASEMENT OVER AND ACROSS DOC. 264546 V.274 P.273

701
WE ENERGIES 12'POLE EASEMENT DOC. 509711 V.825 P.323-324 ALSO V.825 P.327 DOC. 509713

SEE SHEET 4.15A

SEE SHEET 4.16

CURVE 1276-1906
DELTA= 0°08'13"R
R = 7123.82'
T = 8.51'
L = 17.02'
LCB = N81°10'28"E
LC = 17.02'

CURVE 1906-1936
DELTA= 0°04'14"R
R = 7123.82'
T = 4.38'
L = 8.76'
LCB = N81°16'41"E
LC = 8.76'

GLACIAL DRUMLIN STATE TRAIL

FIBER OPTIC EASEMENT
US SPRINT COMM. CO
EASEMENT DEED
DOC. 1459241
EXACT LOCATION NOT GIVEN

706
ATT TELEPHONE LINE EASEMENT D. 433744 V.697 P.103

TLE FOR SLOPES

SLOPE INTERCEPTS

CURVE 1346-1833
DELTA= 10°39'15"R
R = 2250.00'
T = 209.80'
L = 418.38'
LCB = S42°08'26"E
LC = 417.78'

CURVE DATA R/L
PI = 165+22.70
Y = 153781.49
X = 668518.04
DELTA= 22°57'05"L
D = 2°26'17"
T = 477.07'
L = 941.35'
R = 2350.00'
PC = 160+45.63
Y = 153347.43
X = 668716.00
PT = 169+86.98
Y = 154103.99
X = 668166.49

CURVE 1268-1346
DELTA= 14°28'27"L
R = 2250.00'
T = 285.72'
L = 568.40'

CURVE 1270-1346
DELTA= 22°57'05"L
R = 2250.00'
T = 456.77'
L = 901.29'

CURVE 1268-1833
DELTA= 3°49'12"L
R = 2250.00'
T = 75.04'
L = 150.02'

WAUKESHA BYPASS

R/L

PI 165+22.70

165+31.07 R/L=S/L

165+72.70 WAUK. BYPASS =50+00.00 GREEN LN

SEE SHEET 4.14

CONC. MON. W/BRASS CAP Y 152739.79 X 668436.82

CONC. MON. W/BRASS CAP Y 155418.28 X 668524.90

T 6 N R 19 E — 18 17 7 8

TOWN OF WAUKESHA

CITY OF WAUKESHA

CITY OF WAUKESHA

701
WE ENERGIES 15'UNDERGROUND ELECTRICAL EASEMENT D. 1061106 R.318 I.621-623

701
WE ENERGIES LINE AND POLE EASEMENT OVER AND ACROSS PREMISES D. 154943 V.210-359

701
WE ENERGIES 12' LINE AND POLE EASEMENT D. 517932 V.840 P.106-108

22
CHRISTOPH FAMILY TRUST
TAX KEY: WAKT1327998
DOC. 2797191

20
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
TAX KEY: WAKT 1324978

30
STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURSES
TAX KEY: WAKT 1329988

STATION & OFFSET TABLE

Point	Station	Offset
TLE1723	164+00.00	105L
TLE1724	164+00.00	100L
TLE1833	165+50.00	100L
TLE1834	165+50.00	115L
TLE1835	166+21.52	115L
PRW1303	166+49.10	100'R
TLE1738	168+25.00	140L
PRW1260	169+86.98	100'R
PRW1346	169+86.98	100L
TLE1739	170+50.00	100L
TLE1358	171+73.89	328.74'R
TLE1733	172+00.00	100L
TLE1734	172+00.00	105L
TLE1360	172+10.41	185.11'R
TLE1357	172+50.78	394.91'R
TLE1359	172+60.44	228.16'R
PRW1274	172+83.65	100'R
PRW1272	173+25.00	100L
PRW1273	173+25.00	189.45L
TLE1735	173+25.00	105L
ERW1934	174+41.02	87.34L

REVISION DATE 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.15	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_15_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

1/4 S/L

N88°17'46"E 2642.97

CONC. MON.
W/BRASS CAP
N 155339.70
E 665883.10

T 6 N
R 19 E
7 7
7 7

GN

TOWN OF WAUKESHA

STATION & OFFSET TABLE		
Point	Station	Offset
PRW1338	175+32.15	95.05'L
PRW1355	175+35.46	92.13'L
TLE1262	176+26.82	324.93'L
TLE1269	176+79.63	285.34'L
TLE1271	177+52.04	359.87'L
PRW1339	177+74.81	415.52'L
TLE1355	178+29.79	296.98'L
PRW1354	178+53.88	485.77'L
PRW1340	179+99.19	749.06'L
PRW1344	181+42.24	875.78'L
PRW1341	181+75.97	1142.68'L
PRW1342	182+51.47	1408.31'L
PRW1343	183+26.66	1287.69'L

180

WAUKESHA BYPASS

SEE SHEET 4.16

MERRILL HILLS RD

SEE SHEET 4.16

348.53 N81°30'09"E

1361

104.50 S06°06'50"E

TLE1356

TLE FOR SLOPES

100.00 S08°29'51"E

PRW1355

1362

PRW1338

344.37 S81°30'09"W

TLE1271

PRW1354

TLE1269

TLE FOR SLOPES

66.00 S10°35'42"E

PRW1339

TLE1262

1934

1936

1935

1905

SEE SHEET 4.15

30

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURSES
TAX KEY: WAKT 1329988

100

PRW1344

1506.30 S81°30'09"W

PRW1340

PRW1343

25

ROBERT V HARTMANN & DARLENE C HARTMAN
AS TRUSTEES U/D/T

20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TAX KEY: WAKT 1324978

99'

PRW1341

174.85 S02°13'19"W

292.95 N77°15'10"E

PRW1342

CURVE 1340-1341
DELTA= 3°36'28"L
R = 7194.96'
T = 226.60'
L = 453.04'
LCB = S73°03'24"W
LC = 452.97'

CURVE 1936-1262
DELTA= 1°57'55"L
R = 7123.82'
T = 122.18'
L = 244.34'
LCB = S80°19'50"W
LC = 244.33'

CURVE 1269-1338
DELTA= 1°55'07"R
R = 7189.82'
T = 120.39'
L = 240.76'
LCB = N80°18'28"E
LC = 240.75'

WE ENERGIES 12' POLE
EASEMENT DOC. 509711
V.825 P.323-324
ALSO V.825 P.327
DOC. 509713

CURVE 1338-1340
DELTA= 6°24'27"L
R = 7189.82'
T = 402.45'
L = 804.07'
LCB = S78°03'48"W
LC = 803.65'

1/16TH

NW-SE NE-SE

1/16TH

SW-SE SE-SE

CONC. MON.
W/BRASS CAP
Y 152739.79
X 668436.82

T 6 N
R 19 E
7 8
18 17

TOWN OF WAUKESHA

T 6 N
R 19 E
7 7
18 18

CONC. MON.
W/BRASS CAP
N 152676.92
E 665779.87

S88°38'40"W 2657.69 S/L

2202.63

REVISION DATE	08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.15A	
				COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_15A_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1278-1298	2100.00	20°33'41"	753.61	380.90
1299-1296	1900.00	0°26'44"	14.77	7.39
1301-1289	495.00	1°56'27"	16.77	8.38
1287-1286	1900.00	12°43'06"	421.75	211.75
1294-1293	595.00	25°41'02"	266.72	135.64
1290-1301	495.00	23°44'35"	205.13	104.06
1411-1278	2100.00	4°04'44"	149.50	74.78
1412-1413	2135.00	1°04'27"	40.03	20.02
1414-1411	2100.00	1°04'27"	39.38	19.69
1743-1744	2120.00	8°57'09"	331.25	165.96
1415-1414	2100.00	8°35'40"	315.00	157.80
1748-1419	1900.00	2°51'53"	95.00	47.51
1419-1422	1900.00	1°25'57"	47.50	23.75
1421-1420	1880.00	0°41'13"	22.54	11.27
1422-1287	1900.00	5°03'30"	167.74	83.92
1750-1749	1885.00	5°29'43"	180.79	90.47
1416-1417	2110.00	1°04'27"	39.56	19.78

COURSE TABLE

POINT No.	BEARING	DISTANCE
1278-1298*	N37°11'13"W	749.57'
1301-1289*	S58°28'59"W	16.77'
1287-1286*	S41°06'31"E	420.89'
1294-1293*	N70°21'17"E	264.49'
1411-1278*	S45°25'42"E	149.47'
1412-1413*	N42°51'06"W	40.03'
1414-1411*	S42°51'06"E	39.37'
1743-1744*	N37°50'17"W	330.91'
1415-1414*	S38°01'02"E	314.70'
1748-1419*	N42°40'21"W	94.99'
1419-1422*	N40°31'26"W	47.50'
1421-1420*	S40°09'04"E	22.54'
1422-1287*	N37°16'43"W	167.68'
1750-1749*	S37°03'36"E	180.72'
1411-1412	S46°36'41"W	35.00'
1413-1414	N47°41'08"E	35.00'
1411-1412	S46°36'41"W	35.00'
1413-1414	N47°41'08"E	35.00'
1415-1416	S56°16'48"W	10.00'
1416-1417*	N33°10'58"W	39.56'
1417-1418	N21°10'15"W	53.57'
1740-1741	S42°31'56"W	10.00'
1742-1411	N46°36'41"E	25.00'
1278-1740	S47°28'04"E	36.62'
1419-1817	N01°44'36"W	15.78'
1287-1750	N11°33'53"E	20.82'
1447-1445	N47°28'04"W	5.75'
1445-1446	S42°31'56"W	15.00'
1298-1414*	S34°36'37"E	563.03'
1298-1411*	S35°08'51"E	602.03'
1287-1419*	S37°58'41"E	215.12'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
PRW1283	176+70.44	100.00L
PRW1278	180+82.62	100.00L
PRW1279	174+79.00	130.00R
PRW1280	174+95.00	130.00R
PRW1281	175+05.00	120.00R
PRW1282	176+51.88	120.00R
PRW1285	180+12.52	100.00R
PRW1286	180+82.62	100.00R
PRW1287	185+26.57	100.00R
PRW1298	188+00.34	100.00L
PRW1299	187+00.04	100.00R
PLE1411	182+25.00	100.00L
PLE1412	182+25.00	135.00L
PLE1413	182+62.50	135.00L
PLE1414	182+62.50	100.00L
PLE1415	185+62.50	100.00L
PLE1416	185+62.50	110.00L
PLE1417	186+00.00	110.00L
PLE1418	186+50.00	100.00L
PLE1419	183+00.00	100.00R
PLE1420	183+26.02	120.00R
PLE1421	183+50.00	120.00R
PLE1422	183+50.00	100.00R
TLE1740	180+50.00	100.00L
TLE1741	180+50.00	110.00L
TLE1742	182+25.00	125.00L
TLE1743	182+62.50	120.00L
TLE1744	185+75.00	120.00L
TLE1745	185+90.00	175.00L
TLE1746	186+20.00	175.00L
TLE1747	186+40.00	101.89L
TLE1748	182+00.00	100.00R
TLE1749	183+50.00	115.00R
TLE1750	185+41.82	115.00R
ERW1817	183+12.89	110.00R

STATION & OFFSET TABLE (MacARTHUR RD.)		
Point	Station	Offset
PLE1295	51+25.66	50.00L
PLE1288	51+25.67	50.00R
PLE1300	51+68.84	50.00L
PLE1289	53+20.41	50.00R
PLE1294	53+20.41	50.00L
PLE1301	53+38.87	50.00R
PLE1290	55+64.72	50.00R
PLE1293	55+64.72	50.00L
PLE1291	56+27.41	50.00R
PLE1292	56+28.93	50.00L

CURVE DATA R/L
PI = 196+18.01
Y = 155882.58
X = 666227.69
DELTA= 75°01'36"R
D = 2°51'53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
PC = 180+82.62
Y = 154844.65
X = 667359.12
PT = 207+01.54
Y = 157243.76
X = 666938.06

CURVE DATA R/L
PI = 54+44.65
Y = 155483.05
X = 667399.17
DELTA= 25°41'02"R
D = 10°30'47"
T = 124.24'
L = 244.31'
R = 545.00'
PC = 53+20.41
PT = 55+64.72

SEE RIGHT OF WAY PROJECT PLAT #2788-00-20 FOR COMPLETE INFORMATION STA.187+53.01 TO STA.201+23.82 AS STATIONED IN RIGHT OF WAY PROJECT #2788-00-22. ALSO THAT PART OF Mac ARTHUR ROAD FROM STA.52+52.27 TO STA.56+28.93

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD.	WARRANTY DEED DOC. 2705551	2001	VARIES
MERRILL HILLS RD.	AWARD OF DAMAGES	2001	VARIES
MERRILL HILLS RD.	CSM 7971	1996	100'

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.16	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_16_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CITY OF WAUKESHA

GN

CONC. MON.
W/BRASS CAP
Y 155339.70
N 665883.10

T 6 N
R 19 E
7 7 7 7

SW-NE

CITY OF WAUKESHA
TOWN OF WAUKESHA

2642.97' N88°17'46"E

955.19'

PL

S/L

E(P)
E(P)

111.14'

112.54'

1 A.P.
AGRICULTURE ONLY

100'

PL

195

R/L

200

WAUKESHA BYPASS

188+00.34
-100.00'

190

100'

102'

47.52
N18°3'30"W

102'

100'

201+23.92
R/L=1/16TH

187+53.01
R/L=S/L

SEE SHEET 4.16

187+00.04
100'R

25'

701

WE ENERGIES UNDERGROUND
CABLE EASEMENT DOC. 912173
R.12111,530

T 7 N
R 19 E
7 8

CONC. MON.
W/BRASS CAP
Y 155418.28
X 668524.90

SE-NE

SEE RIGHT OF WAY PROJECT PLAT #2788-00-20 FOR COMPLETE INFORMATION STA.187+53.01 TO STA.201+23.82 AS STATIONED IN RIGHT OF WAY PROJECT #2788-00-22. ALSO THAT PART OF Mac ARTHUR ROAD FROM STA.52+52.27 TO STA.56+28.93

CURVE DATA R/L
PI = 196+18.01
Y = 155882.58
X = 666227.69
DELTA= 75°01'36"R
D = 2°51'53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
PC = 180+82.62
Y = 154844.65
X = 667359.12
PT = 207+01.54
Y = 157243.76
X = 666938.06

CITY OF WAUKESHA

1/16TH

TOWN OF WAUKESHA

PL

CSM 694

CSM 7971
D.2109301

N88°29'21"E

1/16TH

CITY OF WAUKESHA
TOWN OF WAUKESHA

SW-NE

SE-NE

NW-NE

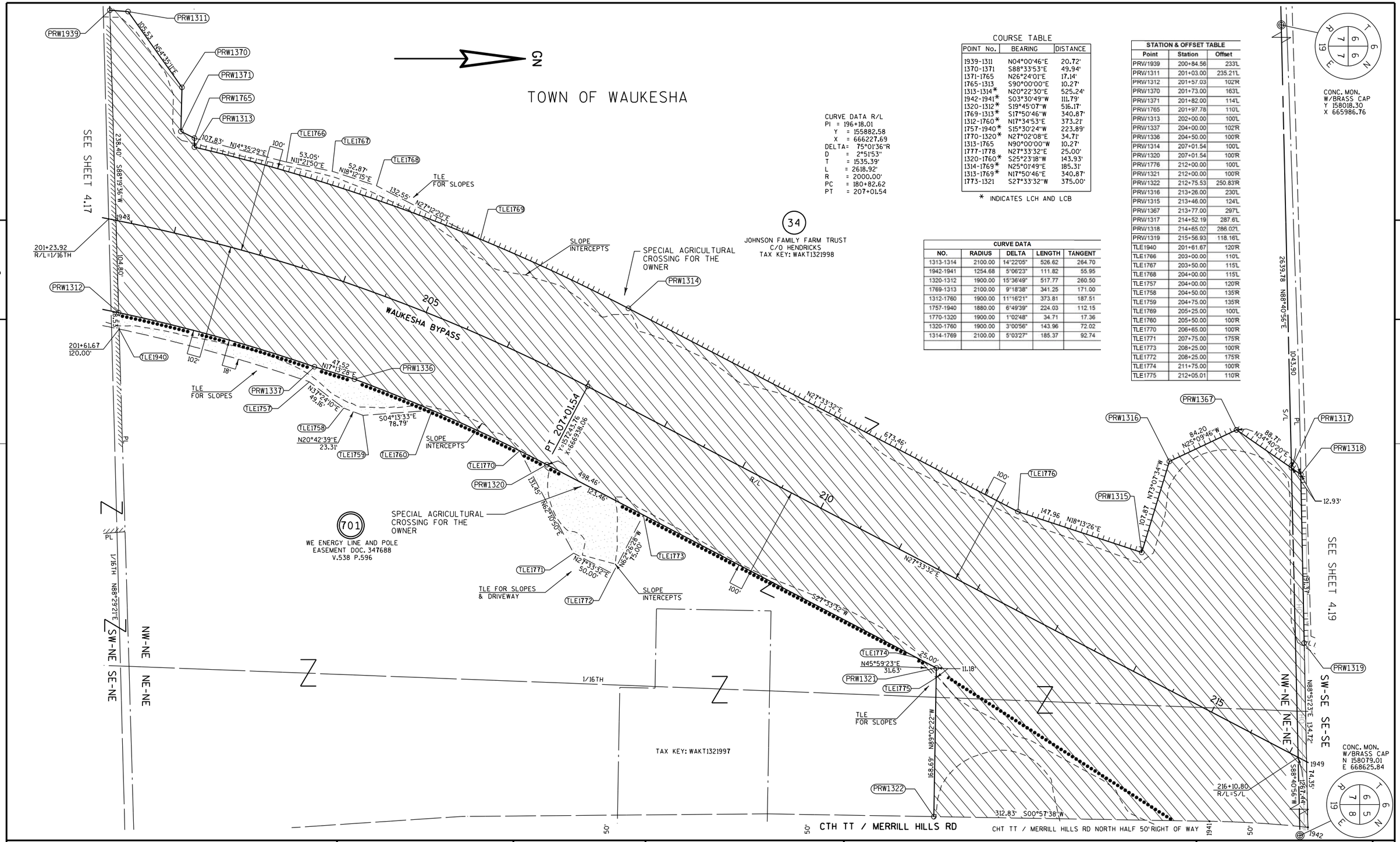
NE-NE

SEE SHEET 4.18

4

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.17
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_17_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



CURVE DATA R/L
PI = 196+18.01
Y = 155882.58
X = 666227.69
DELTA= 75°01'36"R
D = 2°55'53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
PC = 180+82.62
PT = 207+01.54

COURSE TABLE

POINT No.	BEARING	DISTANCE
1939-1311	N04°00'46"E	20.72'
1370-1371	S88°33'53"E	49.94'
1371-1765	N26°24'01"E	17.14'
1765-1313	S90°00'00"E	10.27'
1313-1314*	N20°22'30"E	525.24'
1942-1941*	S03°30'49"W	111.79'
1320-1312*	S19°45'07"W	516.17'
1769-1313*	S17°50'46"W	340.87'
1312-1760*	N17°34'53"E	373.21'
1757-1940*	S15°30'24"W	223.89'
1770-1320*	N27°02'08"E	34.71'
1313-1765	N90°00'00"W	10.27'
1777-1778	N27°33'32"E	25.00'
1320-1760*	S25°23'18"W	143.93'
1314-1769*	N25°01'49"E	185.31'
1313-1769*	N17°50'46"E	340.87'
1773-1321	S27°33'32"W	375.00'

* INDICATES LCH AND LCB

CURVE DATA

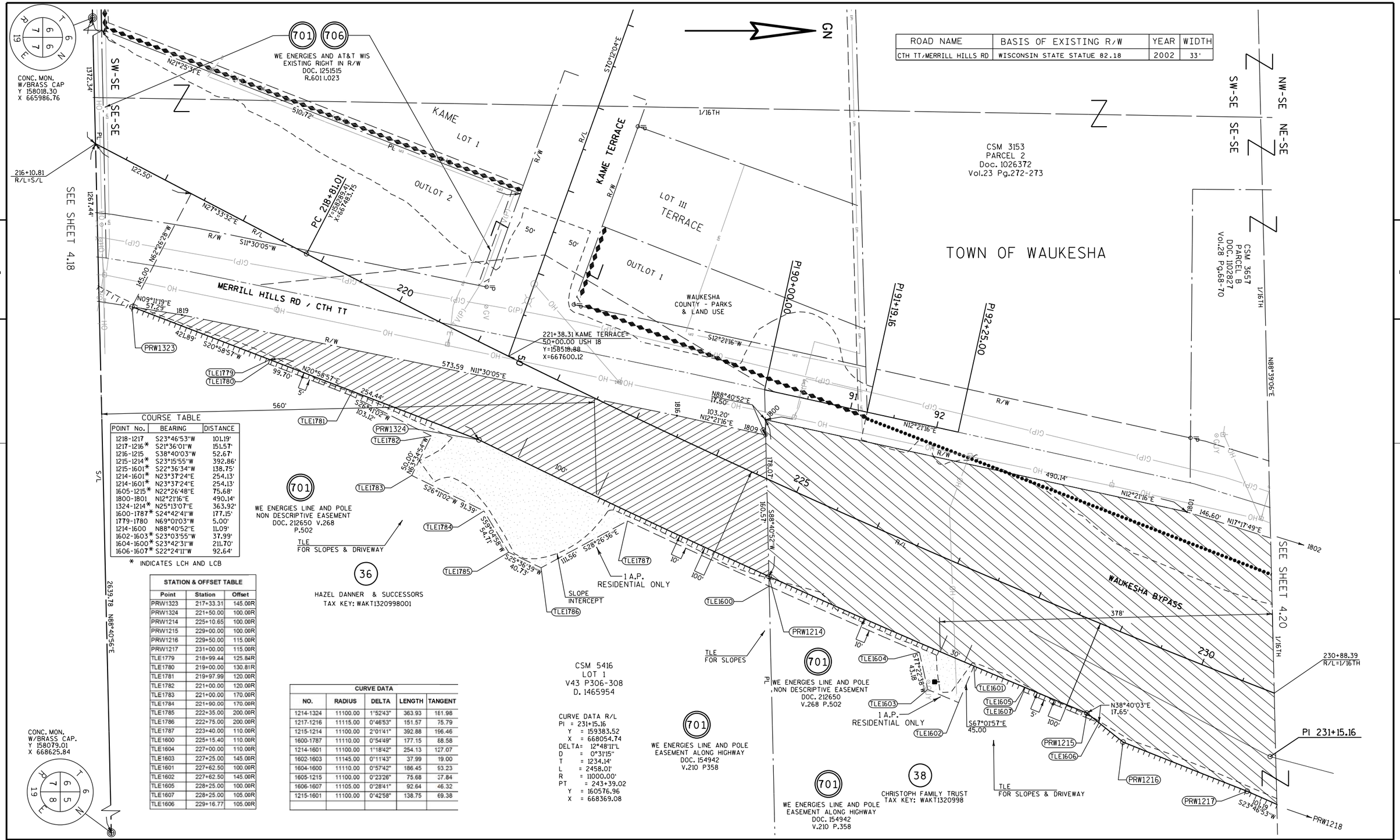
NO.	RADIUS	DELTA	LENGTH	TANGENT
1313-1314	2100.00	14°22'05"	526.62	264.70
1942-1941	1254.68	5°06'23"	111.82	55.95
1320-1312	1900.00	15°36'49"	517.77	260.50
1769-1313	2100.00	9°18'38"	341.25	171.00
1312-1760	1900.00	11°16'21"	373.81	187.51
1757-1940	1880.00	6°49'39"	224.03	112.15
1770-1320	1900.00	1°02'48"	34.71	17.36
1320-1760	1900.00	3°00'56"	143.96	72.02
1314-1769	2100.00	5°03'27"	185.37	92.74

STATION & OFFSET TABLE

Point	Station	Offset
PRW1939	200+84.56	233'L
PRW1311	201+03.00	235.21'L
PRW1312	201+57.03	102'R
PRW1370	201+73.00	163'L
PRW1371	201+82.00	114'L
PRW1765	201+97.78	110'L
PRW1313	202+00.00	100'L
PRW1337	204+00.00	102'R
PRW1336	204+50.00	100'R
PRW1314	207+01.54	100'L
PRW1320	207+01.54	100'R
PRW1776	212+00.00	100'L
PRW1321	212+00.00	100'R
PRW1322	212+75.53	250.83'R
PRW1316	213+26.00	230'L
PRW1315	213+46.00	124'L
PRW1367	213+77.00	297'L
PRW1317	214+52.19	287.6'L
PRW1318	214+65.02	286.02'L
PRW1319	215+56.93	118.16'L
TLE1940	201+61.67	120'R
TLE1766	203+00.00	110'L
TLE1767	203+50.00	115'L
TLE1768	204+00.00	115'L
TLE1757	204+00.00	120'R
TLE1758	204+50.00	135'R
TLE1759	204+75.00	135'R
TLE1769	205+25.00	100'L
TLE1760	205+50.00	100'R
TLE1770	206+65.00	100'R
TLE1771	207+75.00	175'R
TLE1773	208+25.00	100'R
TLE1772	208+25.00	175'R
TLE1774	211+75.00	100'R
TLE1775	212+05.01	110'R

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.18	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_18_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



COURSE TABLE

POINT No.	BEARING	DISTANCE
1218-1217	S23°46'53"W	101.19'
1217-1216*	S21°36'01"W	151.57'
1216-1215	S38°40'03"W	52.67'
1215-1214*	S23°15'55"W	392.86'
1215-1601*	S22°36'34"W	138.75'
1214-1601*	N23°37'24"E	254.13'
1214-1601*	N23°37'24"E	254.13'
1605-1215*	N22°26'48"E	75.68'
1800-1801	N12°21'16"E	490.14'
1324-1214*	N25°13'07"E	363.92'
1600-1787*	S24°42'41"W	177.15'
1779-1780	N69°01'03"W	5.00'
1214-1600	N88°40'52"E	11.09'
1602-1603*	S23°03'55"W	37.99'
1604-1600*	S23°42'31"W	211.70'
1606-1607*	S22°24'11"W	92.64'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE

Point	Station	Offset
PRW1323	217+33.31	145.00R
PRW1324	221+50.00	100.00R
PRW1214	225+10.65	100.00R
PRW1215	229+00.00	100.00R
PRW1216	229+50.00	115.00R
PRW1217	231+00.00	115.00R
TLE1779	218+99.44	125.84R
TLE1780	219+00.00	130.81R
TLE1781	219+97.99	120.00R
TLE1782	221+00.00	120.00R
TLE1783	221+00.00	170.00R
TLE1784	221+90.00	170.00R
TLE1785	222+35.00	200.00R
TLE1786	222+75.00	200.00R
TLE1787	223+40.00	110.00R
TLE1600	225+15.40	110.00R
TLE1604	227+00.00	110.00R
TLE1603	227+25.00	145.00R
TLE1601	227+62.50	100.00R
TLE1602	227+62.50	145.00R
TLE1605	228+25.00	100.00R
TLE1607	228+25.00	105.00R
TLE1606	229+16.77	105.00R

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1214-1324	11100.00	1°52'43"	363.93	181.98
1217-1216	11115.00	0°46'53"	151.57	75.79
1215-1214	11100.00	2°01'41"	392.88	196.46
1600-1787	11110.00	0°54'49"	177.15	88.58
1214-1601	11100.00	1°18'42"	254.13	127.07
1602-1603	11145.00	0°11'43"	37.99	19.00
1604-1600	11110.00	0°57'42"	186.45	93.23
1605-1215	11100.00	0°23'26"	75.68	37.84
1606-1607	11105.00	0°28'41"	92.64	46.32
1215-1601	11100.00	0°42'58"	138.75	69.38

CURVE DATA R/L
PI = 231+15.16
Y = 159383.52
X = 668054.74
DELTA= 12°48'11"L
D = 0°31'15"
T = 1234.14'
L = 2458.01'
R = 11000.00'
PT = 243+39.02
Y = 160576.96
X = 668369.08

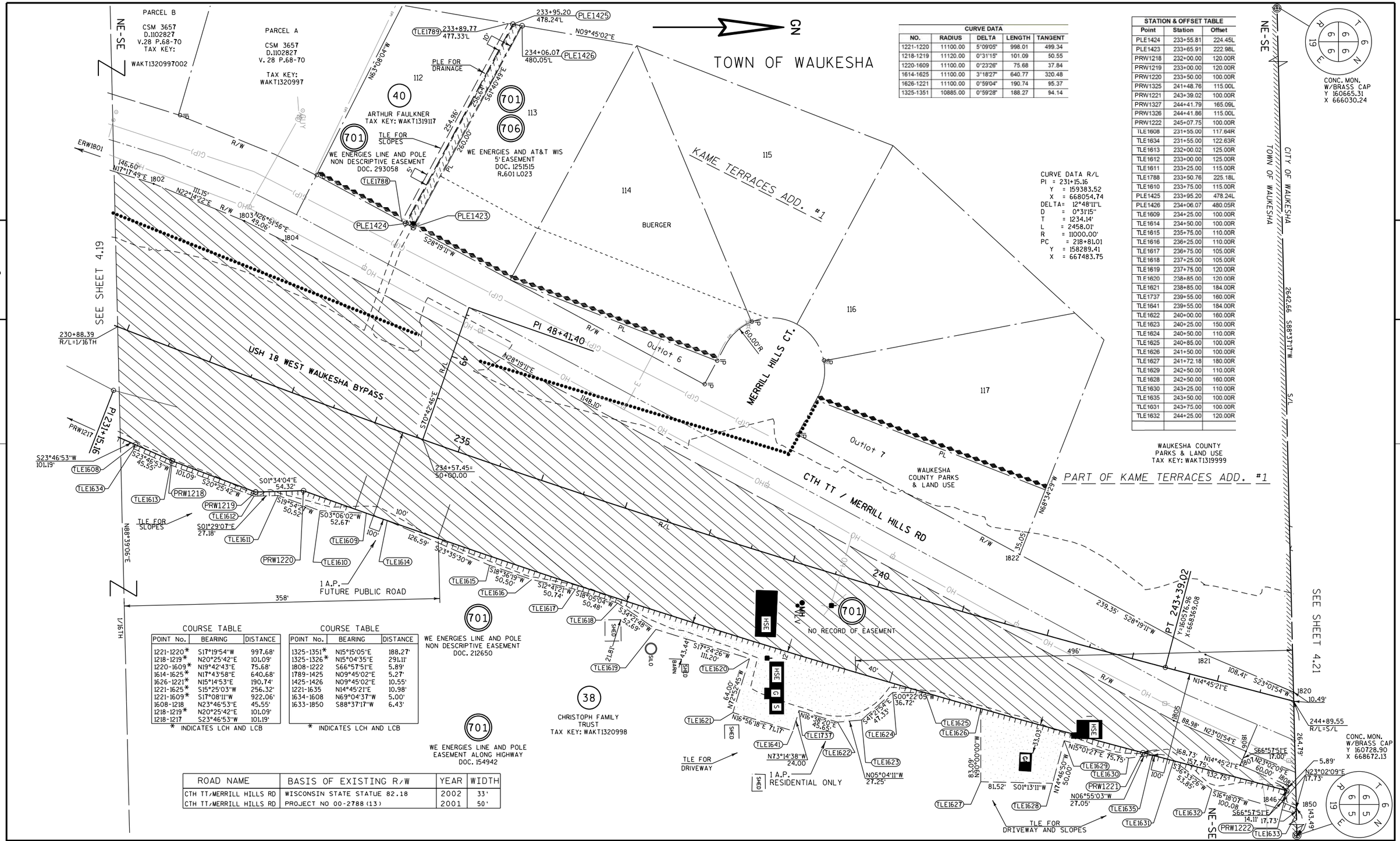
REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE. FEET
0 50 100

HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.19	
COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_19_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100


PARCEL B
CSM 3657
D.1102827
V.28 P.68-70
TAX KEY:
WAKT1320997002
PARCEL A
CSM 3657
D.1102827
V. 28 P.68-70
TAX KEY:
WAKT1320997
ARTHUR FAULKNER
TAX KEY: WAKT1319117
TOWN OF WAUKESHA
KAME TERRACES ADD. #1
BUERGER
MERRILL HILLS CT.
Outlot 6
Outlot 7
WAUKESHA COUNTY PARKS & LAND USE
TAX KEY: WAKT1319999
PART OF KAME TERRACES ADD. #1
USH 18 WEST WAUKESHA BYPASS
CTH TT / MERRILL HILLS RD
CITY OF WAUKESHA
TOWN OF WAUKESHA
WE ENERGIES LINE AND POLE
NON DESCRIPTIVE EASEMENT
DOC. 293058
WE ENERGIES AND AT&T WIS
5' EASEMENT
DOC. 1251515
R.601 I.023
WE ENERGIES LINE AND POLE
NON DESCRIPTIVE EASEMENT
DOC. 212650
WE ENERGIES LINE AND POLE
EASEMENT ALONG HIGHWAY
DOC. 154942
NO RECORD OF EASEMENT
CHRISTOPH FAMILY
TRUST
TAX KEY: WAKT1320998
1 A.P.
FUTURE PUBLIC ROAD
1 A.P.
RESIDENTIAL ONLY
TLE FOR SLOPES
TLE FOR DRIVEWAY
TLE FOR DRIVEWAY AND SLOPES
TLE FOR DRAINAGE
CONC. MON. W/BRASS CAP Y 160665.31 X 666030.24
CONC. MON. W/BRASS CAP Y 160728.90 X 668672.13
PT 243+39.02 Y:160576.98 X:668369.08
230+88.39 R/L=1/16TH
244+89.55 R/L=S/L
233+95.20 478.24'L PLE1425
233+89.77 477.33'L TLE1789
234+06.07 480.05'L PLE1426
234+57.45= 50+80.00
PI 231+15.16
PI 48+41.40
SEE SHEET 4.19
SEE SHEET 4.21
1/16TH
N
NE-SE
S/L
R/L
R/W
ERW1801
PRW1217
N63°08'04"W
N09°45'02"E
S81°40'49"E
S28°19'11"W
N28°19'11"E
S10°42'16"E
N88°39'06"E
S01°34'04"E 54.32'
S01°29'07"E 27.18'
S03°06'02"W 52.67'
S19°54'27"W 50.52'
S20°25'42"W 101.09'
S23°46'53"W 45.55'
S23°46'53"W 101.19'
S23°35'30"W 126.59'
S18°36'19"W 50.50'
S12°41'41"W 50.74'
S18°05'04"W 50.48'
S17°21'48"W 52.69'
S17°24'26"W 111.20'
S00°22'09"W 36.72'
S48°21'54"W 47.33'
N16°38'20"E 35.65'
N16°56'18"E 71.17'
N73°14'38"W 24.00'
N05°04'11"W 27.25'
N14°45'21"E 108.41'
N23°01'54"W 88.98'
N15°01'27"E 75.75'
N74°46'50"W 50.00'
N06°55'03"W 27.05'
S16°18'07"W 100.08'
S36°33'26"W 53.85'
N14°45'21"E 157.75'
N14°45'21"E 132.75'
N23°02'09"E 17.73'
S66°57'51"E 17.00'
S66°57'51"E 14.11' 17.73'
N68°34'29"W
S88°37'17"W 2642.66
146.60' N17°17'49"E 1802
111.15' N22°14'22"E 1803
49.06' N26°51'56"E 1804
1148.10'
358'
496'
239.35' S28°19'11"W
231.96'
258.34'
260.00'
100'
40'
12'
R=60.00'
R=11000.00'
R=80.00'
R=60.00'
R=60.00'
81.52' S01°13'11"W
33.03'
M.00.00.060"
M.00.00.060"
64.00' N72°32'45"W
21.81'
43.44'
MARK
SIGN
SHED
HSE
G
S
WH
SHED
SHED
SHED

4

CONC. MON.
W/BRASS CAP
Y 160665.31
X 666030.24

SEE SHEET 4.20

1/4 S/L

264.79

S88°31'17"W

245

244+89.55
R/L=1/4 S/L

N14°45'21"E

PC 245+97.23

CITY OF WAUKESHA

701
WE ENERGIES
DOC. 154938
V.210 P.356

RETZER NATURE CENTER
CSM 9614
OUTLOT 1
D.3036667
V.88 P.182-188

39
FHB INVESTMENTS, LLC.
TAX KEY: WAKC1317002

25' SIDEWALK EASEMENT PER CSM 9614

R/W

TLE1790

TLE1791

TLE FOR SLOPES

92.27 N07°45'10"E

SLOPE INTERCEPTS

MERRILL HILLS RD / CTH TT

250

R/L

12' SANITARY SEWER EASEMENT
CITY OF WAUKESHA
DOC. 3036667 (CSM 9614)
V.88 P.182

704

CURVE 1791-1428
DELTA= 2°15'51"L
R = 5619.58'
T = 111.04'
L = 222.06'
LCB = N12°22'30"E
LCH = 222.05'

CURVE 1427-1790
DELTA= 3°11'54"R
R = 5629.58'
T = 157.17'
L = 314.26'
LCB = N12°50'32"E
LCH = 314.22'

CURVE 1428-1429
DELTA= 0°38'09"L
R = 5619.58'
T = 31.18'
L = 62.36'
LCB = N10°55'31"E
LCH = 62.36'

CURVE 1430-1427
DELTA= 0°38'02"R
R = 5629.58'
T = 31.15'
L = 62.29'
LCB = N10°55'34"E
LCH = 62.29'

VISION CORNER EASEMENT

PLE FOR DRAINAGE

PLE1428
N78°45'25"W
10.00'

PLE1427

PLE1429

TLE1794

TLE1793

TLE1792

WATER UTILITY
CITY OF WAUKESHA
DOC. 3193905

603

PERMANENT SIDEWALK EASEMENT/PER HERITAGE HILLS SUBDIVISION PLAT

MADISON ST.

R/L

R/W

PRW700

55.84'

33'

S78°20'44"E

PRW701

PRW902

ERW902

602

PERMANENT SIDEWALK EASEMENT
CITY OF WAUKESHA DOC. 3193905

PI 49+57.05
Y=161734.40
X=668575.30

255+13.69 MERRILL HILLS=
50+00.00 MADISON ST
Y=161724.31
X=668617.05

255

101
TIMM
TAX KEY: WAKC1317064

601
WE ENERGIES
DOC.194938
V.210 P356

602
30' DRAINAGE/STORM SEWER EASEMENT/CITY OF WAUKESHA
DOC. 3193905

62

N89°19'53"E

HERITAGE HILLS

30' WATER UTILITY
CITY OF WAUKESHA
DOC. 3193905

603

1/16TH

47+95.00
33', 38.54'
TLE540
TLE541

48+25.00
38.54'L
TLE542

S68°55'02"W
70.83'

N28°18'24"W

102
SODEMANN
TAX KEY: WAKC1317063
DOC. 041100255

61

602
30' DRAINAGE/STORM SEWER EASEMENT
CITY OF WAUKESHA
DOC. 3193905

601
WE ENERGIES
DOC.194938
V.210 P356

S53°22'28"E

104
ZOREK
TAX KEY: WAKC1317062

256+00.00
110'
TLE543

257+42.62
100'
TLE544

N11°07'38"E
141.10'

82.61

N15°58'37"E

TLE545

CONC. MON.
W/BRASS CAP
Y 163264.65
X 668749.35

T 6 N R 19 E
S 31 32 5 6

SEE SHEET 4.22

TLE1633

1850
N16°18'04"E
49.96'

1847

245+74.99
124.05'

TLE FOR DRAINAGE

S23°01'45"W

137.06'
CITY OF WAUKESHA
TOWN OF WAUKESHA

SE-NE

PRW1328

11.01'

1824

N50°43'34"E

PRW1329

N37°32'01"W
19.36'

444.96'
N01°15'52"E
2536.39'

PRW1330

PRW1331

CURVE 1824-1823
DELTA= 10°02'47"L
R = 1366.00'
T = 120.07'
L = 239.52'
LCB = N18°0'21"E
LCH = 239.21'

CURVE 1329-1331
DELTA= 8°48'55"R
R = 1381.00'
T = 106.45'
L = 212.48'
LCB = N17°54'04"E
LCH = 212.27'

S21°39'42"W

1069.36'

EX. C/L

S/L

SLOPE INTERCEPT

21.56'
S88°44'08"E

ERW965
1467.03'

PRW702

N00°59'42"W 92.66'

46.21'

256+15.00
94.14'
TLE551

16.02'
N11°03'14"W

256+00.00
99.25'
TLE550

36.50
N07°25'47"E

255+63.95
99.42'
TLE546

ERW911
PRW703
TLE635

SW-NW

CONC. MON.
W/BRASS CAP
Y 160728.90
X 668672.13
STA. 245+63.13
OFFSET 254.36'

N88°42'57"W
2653.55

1/4 S/L

41
CITY OF WAUKESHA
TAX KEY: WAKC1315999

42
BROOKSHIRE CONDOMINIUM
TAX KEY: WAKC1314003-1314036

701
WE ENERGIES
6' EASEMENT IN EXISTING R/W
DOC. 934307
R.153 I.885

DOC. 1168094

BROOKSHIRE CONDOMINIUMS

PARCEL 1
CSM 4024
D.1168093
V.1 P.377-391

TLE1795

TLE FOR SLOPES

700
WE ENERGIES GAS
EXISTING RIGHT IN R/W
DOC. 833306
R.211.787

TLE1796

TLE1797

S76°24'28"E

305.97'

78.85'

PI 255+87.62

308.14'

24.17'

MADISON ST.

R/L

R/W

TLE FOR SLOPES

54+00.00
50', 60'
TLE548
TLE547

103
HARROGATE A VILLAGE OF BROOKSHIRE CONDOMINIUM
TAX KEY: WAKC1314113
DOC. 3316556

606
ATT WIS
NO RECORD OF EASEMENT

HARROGATE PHASE 1

601
WE ENERGIES
NO RECORD OF EASEMENT

605
TWC
NO RECORD OF EASEMENT

CONC. MON.
W/BRASS CAP
Y 160669.43
X 671325.01

T 6 N R 19 E
S 5 5 5 6

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD.	CSM 9614	2003	VARIES
MADISON ST.	CSM 9614	2003	33'
MADISON ST.	HERITAGE HILLS SUB.	2004	VARIES
MERRILL HILLS RD.	HARROGATE PHASE 1, CONDO	1987	VARIES
MERRILL HILLS RD./ MAISON ST.	BROOKSHIRE CONDO	1981	VARIES

STATION & OFFSET TABLE (WAUKESHA BYPASS)

Point	Station	Offset
TLE1633	245+25.05	122.70'R
PRW1328	248+00.00	122.44'R
PRW1329	248+25.00	141.95'R
PRW1330	249+88.14	160.29'R
PRW1331	250+32.35	162.37'R
PRW701	255+80.56	92.87'L
PRW702	255+99.48	89.25'R
TLE1790	251+06.49	114.27'L
PLE1427	254+24.57	98.52'L
PLE1428	254+25.00	108.51'L
PLE1429	254+88.16	105.98'L
TLE1791	252+00.00	119.13'L
TLE1792	254+78.03	106.37'L
TLE546	255+63.95	99.42'R
TLE543	256+00.00	110.00'L
TLE550	256+00.00	99.25'R
TLE551	256+15.00	94.14'R
TLE544	257+42.62	100.00'L
TLE545	258+25.00	86.05'L

STATION & OFFSET TABLE (MADISON ST.)

Point	Station	Offset
PRW700	48+50.84	33.00'L
TLE541	47+95.00	38.54'L
TLE540	47+95.00	33.00'L
TLE1794	48+00.00	33.00'R
TLE1793	48+00.00	43.00'R
TLE542	48+25.00	38.54'L
TLE1795	52+35.84	55.00'R
TLE547	54+00.00	60.00'L
TLE548	54+00.00	50.00'L
TLE1797	54+00.00	50.00'R
TLE1796	54+00.00	55.00'R

CURVE 703-702
DELTA= 3°14'09"R
R = 5066.50'
T = 143.11'
L = 286.14'

CURVE 965-911
DELTA= 4°04'35"L
R = 5794.58'
T = 206.22'
L = 412.27'

CURVE 635-551
DELTA= 3°03'32"R
R = 5071.50'
T = 135.41'
L = 270.75'

CURVE 701-902
DELTA= 0°15'49"R
R = 5629.58'
T = 12.96'
L = 25.91'

CURVE 904-701
DELTA= 1°33'43"R
R = 5629.58'
T = 76.74'
L = 153.47'

CURVE 545-904
DELTA= 0°53'57"R
R = 5629.58'
T = 44.17'
L = 88.34'

R/L CURVE DATA
CTH TT
PI = 255+87.62
Y = 161784.38
X = 668687.10
DELTA= 14°06'52"L
D = 0°42'58"
T = 990.38'
L = 1970.74'
R = 8000.00'
PC = 245+97.23
Y = 160826.66
X = 668434.85
PT = 265+67.97
Y = 162774.70
X = 668698.19

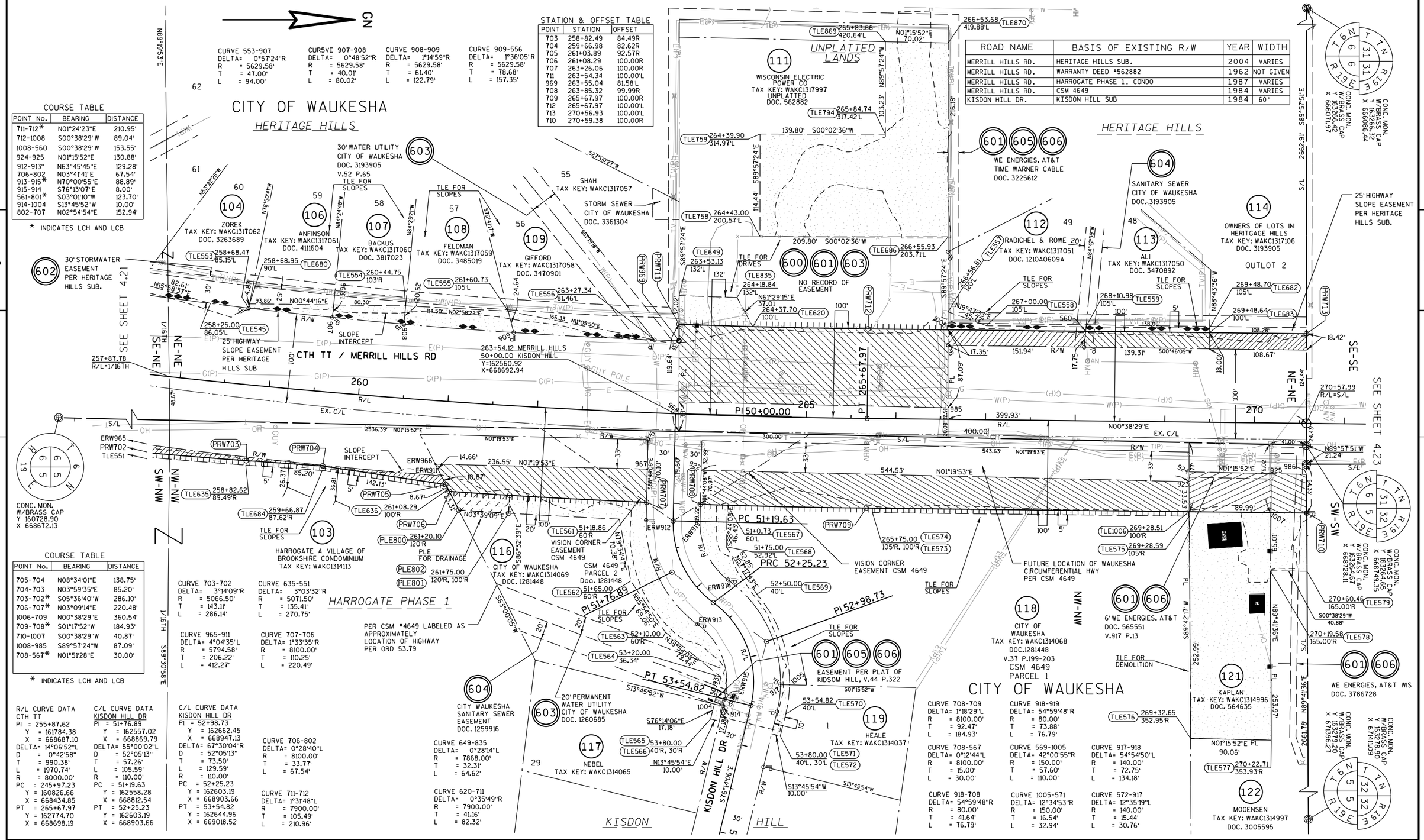
COURSE TABLE

POINT No.	BEARING	DISTANCE
902-900	N78°20'44"W	30.75'
901-701	N75°15'12"E	40.70'
701-902	S09°48'58"W	25.91'
900-700	N78°20'44"W	22.25'
700-901	N75°15'12"E	17.54'
901-900	S28°18'24"E	10.18'
965-911*	N06°28'47"E	412.27'
703-702*	S05°36'40"W	286.10'
1791-1428*	N12°22'30"E	222.05'
1428-1429*	N10°55'31"E	62.36'
1427-1790*	S12°50'32"W	314.22'
1430-1427*	S10°55'34"W	62.29'
1824-1823*	N18°00'21"E	239.21'
1329-1331*	N17°54'13"E	212.15'
1850-1847	N23°02'09"E	52.27'
1331-133*		

* INDICATES LC AND LCB

REVISION DATE: 08/28/2015 03/02/2016 04/27/2016 06/03/2016	07/29/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18
STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.21			
COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E	

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_21_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD.	HERITAGE HILLS SUB.	2004	VARIES
MERRILL HILLS RD.	WARRANTY DEED #562882	1962	NOT GIVEN
MERRILL HILLS RD.	HARROGATE PHASE 1, CONDO	1987	VARIES
MERRILL HILLS RD.	CSM 4649	1984	VARIES
KISDON HILL DR.	KISDON HILL SUB	1984	60'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
703	258+82.49	84.49R
704	259+66.98	82.62R
705	261+03.89	92.57R
706	261+08.29	100.00R
707	263+26.06	100.00R
711	263+54.34	100.00'L
969	263+55.04	81.58'L
708	263+85.32	99.99R
709	265+67.97	100.00R
712	265+67.97	100.00'L
713	270+56.93	100.00'L
710	270+59.38	100.00R

COURSE TABLE		
POINT No.	BEARING	DISTANCE
711-712*	N01°24'23"E	210.95'
712-1008	S00°38'29"W	89.04'
1008-560	S00°38'29"W	153.55'
924-925	N01°15'52"E	130.88'
912-913"	N63°45'45"E	129.28'
706-802	N03°41'41"E	67.54'
913-915*	N70°00'55"E	88.89'
915-914	S76°13'07"E	8.00'
561-801*	S03°01'10"W	123.70'
914-1004	S13°45'52"W	10.00'
802-707	N02°54'54"E	152.94'

* INDICATES LCH AND LCB

COURSE TABLE		
POINT No.	BEARING	DISTANCE
705-704	N08°34'01"E	138.75'
704-703	N03°59'35"E	85.20'
703-702*	S05°36'40"W	286.10'
706-707*	N03°09'14"E	220.48'
1006-709	N00°38'29"E	360.54'
709-708*	S01°17'52"W	184.93'
710-1007	S00°38'29"W	40.87'
1008-985	S89°57'24"W	87.09'
708-567*	N01°51'28"E	30.00'

* INDICATES LCH AND LCB

CURVE 553-907
DELTA= 0°57'24"R
R = 5629.58'
T = 47.00'
L = 94.00'

CURVE 907-908
DELTA= 0°48'52"R
R = 5629.58'
T = 40.01'
L = 80.02'

CURVE 908-909
DELTA= 1°14'59"R
R = 5629.58'
T = 61.40'
L = 122.79'

CURVE 909-556
DELTA= 1°36'05"R
R = 5629.58'
T = 78.68'
L = 157.35'

CURVE 703-702
DELTA= 3°14'09"R
R = 5066.50'
T = 143.11'
L = 286.14'

CURVE 635-551
DELTA= 3°03'32"R
R = 5071.50'
T = 135.41'
L = 270.75'

CURVE 965-911
DELTA= 4°04'35"L
R = 5794.58'
T = 206.22'
L = 412.27'

CURVE 707-706
DELTA= 1°33'35"R
R = 8100.00'
T = 110.25'
L = 220.49'

CURVE 706-802
DELTA= 0°28'40"L
R = 8100.00'
T = 33.77'
L = 67.54'

CURVE 711-712
DELTA= 1°31'48"L
R = 7900.00'
T = 105.49'
L = 210.96'

CURVE 649-835
DELTA= 0°28'14"L
R = 7868.00'
T = 32.31'
L = 64.62'

CURVE 620-711
DELTA= 0°35'49"R
R = 7900.00'
T = 41.16'
L = 82.32'

CURVE 708-709
DELTA= 1°18'29"L
R = 8100.00'
T = 92.47'
L = 184.93'

CURVE 708-567
DELTA= 0°12'44"L
R = 8100.00'
T = 15.00'
L = 30.00'

CURVE 918-919
DELTA= 54°59'48"R
R = 80.00'
T = 73.88'
L = 76.79'

CURVE 569-1005
DELTA= 42°00'55"R
R = 150.00'
T = 57.60'
L = 110.00'

CURVE 917-918
DELTA= 54°54'50"L
R = 140.00'
T = 72.75'
L = 134.18'

CURVE 918-708
DELTA= 54°59'48"R
R = 80.00'
T = 41.64'
L = 76.79'

CURVE 1005-571
DELTA= 12°34'53"R
R = 150.00'
T = 16.54'
L = 32.94'

CURVE 572-917
DELTA= 12°35'19"L
R = 140.00'
T = 15.44'
L = 30.76'

REVISION DATE: 08/28/2015, 03/02/2016, 04/27/2016, 06/03/2016, 07/29/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18
			COUNTY: WAUKESHA

STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.22
CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_22_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CITY OF WAUKESHA

LOT 1

123 HEALTH CARE REIT INC TAX KEY: WAKC0988151 CSM 10613 DOC. 3609575

124 BANK MUTUAL TAX KEY: WAKC0988001 DOC. 3237941

LOT 1 CSM 8884 DOC. 2522341 VOL. 79 PG. 177-181

LOT 2 CSM 10439 DOC. 3036667 VOL. 99 PG. 206-211

SUMMIT CORPORATE CENTER LLC TAX KEY: WAKC0988150 DOC. 3964751

127 SUMMIT CORPORATE CENTER LLC TAX KEY: WAKC0988149 DOC. 2825080

LOT 1 CSM 10439

FIDDLERS CREEK DR

MERRILL HILLS RD / CTH TT

SUMMIT AVE / USH 18

SEE SHEET 4.22

SEE SHEET 4.24

SEE SHEET 4.26

MATCH LINE STA 47+00

MATCH LINE STA 55+00 SEE SHEET 4.25

GN

601 WE ENERGIES DOC. 331635 V.505 P.241 NON DESCRIPTIVE EASEMENT

602 15' RADIUS SIDEWALK EASEMENT PER CSM*10613

605 TWC NO RECORDED EASEMENT

601 WE ENERGIES DOC. 331635 V.505 P.241 NON DESCRIPTIVE EASEMENT

602 20' PUBLIC STORM SEWER EASEMENT PER CSM 10439 V.99 P.206

600 WE ENERGIES GAS OPERATIONS NO RECORD OF EASEMENT

601 WE ENERGIES DOC. 331635 V.505 P.241 NON DESCRIPTIVE EASEMENT

PUBLIC SIDEWALK EASEMENT CSM 10439

601 EXISTING EASEMENT IN R/W DOC. 735845 V.1115 P.336-338

606

WE ENERGIES DOC. 3410554

WE ENERGIES DOC. 3514623 DOC. 3531515

SLOPE INTERCEPT

WE ENERGIES CONVEYANCE OF RIGHTS 94-2788(11) DOC. 2222955

601 WE ENERGIES EXISTING RIGHTS IN R/W DOC. 562128 V.911 P.627

602 PERMANENT EASE. FOR FUTURE SIDE WALK PER CSM 8791

601 WE ENERGIES EXISTING RIGHTS IN R/W DOC. 2201346 R.2410 L.1906

601 WE ENERGIES ELECTRIC DOC. 2789882

602 15' SIDEWALK EASEMENT PER CSM 8683

603 WATER UTILITY CITY OF WAUKESHA CSM 8683

601 605 606 12' OVERHEAD JOINT EASEMENT DOC. 3573803

WE ENERGIES ELECTRIC EASEMENT DOC. 2182106 R.2369 L.1082

601 WATERMAIN EASEMENT CSM 8683

603

20" FORCEMAIN EASEMENT CSM 8683

LOT 1 CSM 8683 DOC. 2395481 VOL. 77 PG. 9-18

137 MEADOWBROOK MARKETPLACE LLC TAX KEY: WAKC0990048 DOC.3968494

129 MEADOWBROOK MARKETPLACE LLC TAX KEY: WAKC0990047 DOC. 3968494

128 GOOD TIMES DAY CAMP LLC TAX KEY: WAKC0991001 DOC. 2330488

PARCEL 1 CSM 8791 DOC. 2473818 VOL. 78 PG. 159-162

600 WE ENERGIES GAS OPERATIONS NO RECORD OF EASEMENT

CURVE 791-795
DELTA= 3°17'46"R
R = 3884.22'
T = 111.76'
L = 223.46'

CURVE 970-932
DELTA= 3°17'08"L
R = 3879.72'
T = 111.27'
L = 222.47'

CURVE 716-931
DELTA= 0°26'57"R
R = 3759.72'
T = 14.74'
L = 29.47'

CURVE 975-716
DELTA= 2°41'47"R
R = 3759.72'
T = 88.49'
L = 176.94'

CURVE 930-827
DELTA= 2°42'38"L
R = 3879.72'
T = 91.78'
L = 183.53'

CURVE 830-977
DELTA= 5°23'44"L
R = 3879.72'
T = 182.81'
L = 365.36'

CURVE 827-830
DELTA= 0°41'57"L
R = 3879.72'
T = 23.67'
L = 47.34'

CURVE 784-790
DELTA= 3°45'27"R
R = 3894.72'
T = 127.76'
L = 255.42'

COURSE TABLE

POINT No.	BEARING	DISTANCE
714-930	N00°38'29"E	74.48'
930-827*	S84°29'52"E	183.52'
827-715	N86°11'08"W	157.88'
715-714	N29°14'58"W	53.15'
827-830*	S86°12'10"E	47.34'
716-931*	N83°06'31"W	29.47'
931-717	N01°07'07"E	34.35'
717-716	S37°02'22"E	47.45'
791-795*	N80°10'21"W	223.43'
829-828	N85°57'18"W	13.93'
828-827	S04°08'49"E	33.00'

* INDICATES LC AND LCB

STATION & OFFSET TABLE

POINT	STATION	OFFSET
714	281+00.00	100'R
810	281+00.00	120'L
791	281+96.98	100'L
717	283+30.00	96.41'R
716	51+20.00	60'L
715	51+35.00	85'R

C/L CURVE DATA
PRIVATE DR
PI = 51+22.72
Y = 163651.97
X = 668830.21
DELTA= 46°59'07"R
D = 78°29'15"
T = 31.73'
L = 59.86'
R = 73.00'
PC = 50+90.99
Y = 163655.25
X = 668798.65
PT = 51+50.85
Y = 163626.65
X = 668849.35

R/L CURVE DATA
USH 18
PI = 52+78.19
Y = 164378.34
X = 668985.39
DELTA= 17°31'18"L
D = 1°30'00"
T = 588.65'
L = 1168.10'
R = 3819.72'
PC = 46+89.55
Y = 164511.99
X = 668412.11
PT = 58+57.65
Y = 164423.48
X = 669572.30

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	STATE PROJECT No. 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM 10439	2007	VARIES
MEADOWBROOK RD/CTH TT	CSM 8848	1999	95'
MEADOWBROOK RD/CTH TT	CSM 10613	2008	VARIES
FIDDLERS CREEK DRIVE	CSM 10613	2008	30'
FIDDLERS CREEK DRIVE	CSM 8884	1999	30'
MEADOWBROOK RD/CTH TT	CSM 8791	1999	VARIES

CONC. MON. W/BRASS CAP Y 165935.99 X 668742.80

CONC. MON. W/BRASS CAP Y 165266.42 X 666086.44

CONC. MON. W/BRASS CAP Y 163264.67 X 668728.11 STA. 270+58.24 OFFSET 24.43'

CONC. MON. W/BRASS CAP Y 163266.55 X 668749.35 STA. 270+58.47 OFFSET 45.68'

CONC. MON. W/BRASS CAP Y 163279.20 X 671396.27

CONC. MON. W/BRASS CAP Y 165278.90 X 671411.09

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.23
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : \\kapur-assoc.com\kna\milw\s-drive\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_23_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

GN

CONC. MON. W/BRASS CAP
Y 165935.99
X 668742.80

T 7 N R 19 E
3.1 | 3.2
3.1 | 3.2

SEE SHEET 4.26

PI 287+96.63

LOT 1
CSM 9770
DOC. 3158972
VOL. 90 PG. 204-207

CITY OF WAUKESHA

TORHORST RD
(PRIVATE ROAD)

606
601 15' AT&T WIS
WE ENERGIES
DOC. 1883672 R1788 I0639

601 WE ELECTRIC EASEMENT
NON DESCRIPTIVE
DOC. 265685
V.274 P.278

NOTED IN WARRANTY DEED
DOC. #1488934, 40'
EASEMENT FOR INGRESS
AND EGRESS VEHICLES

604 20' SANITARY
SEWER EASEMENT
CSM #9398, LOT 1

STATION & OFFSET TABLE

POINT	STATION	OFFSET
840	41+80.00	60'L
841	41+80.00	70'L
842	42+30.00	70'L
843	42+30.00	60'L
825	44+89.64	108.74'L
823	45+00.81	60'L
824	45+17.06	96.55'L
797	45+54.45	60'R
795	46+89.55	64.50'R
796	46+18.30	64.50'R

601 WE ELECTRIC EASEMENT
NON DESCRIPTIVE
DOC. 265685
V.274 P.278

WE ENERGIES GAS
NO RECORDED EASEMENT

600

TARA HILL CONDOMINIUMS

131
WALTERS
TAX KEY: WAKC0988142

602 603 604
66' UTILITY EASEMENT
CITY OF WAUKESHA
DOC. 3114128

132
SMART REVOCABLE TRUST
TAX KEY: WAKC0985999
DOC.3822690

601 WE ENERGIES
DOC. 331635 V.505 P.241

TARA HILL CONDOMINIUM

TLE FOR
SLOPES &
PRIVATE ROAD

601 WE ELECTRIC EASEMENT
NON DESCRIPTIVE
DOC. 265685 V.274 P.278

602 DRAINAGE FACILITY EASEMENT
TO CITY DOC. 2815513
CSM #9398, LOT 1

133
MCMAHON PETROLEUM LLC
TAX KEY: WAKC0988134
DOC. 2825080

LOT 1
CSM. 9398
DOC. 2815513
VOL. 85 PG. 281-285

605
TWC
NO RECORDED
EASEMENT

133A

601 WE ELECTRIC
NO RECORD OF
EASEMENT

603 WATERMAIN
NO RECORD
OF EASEMENT

10' WATERMAIN
CSM 9398, LOT 1 603

PC 286+20.16

MEADOWBROOK RD

CURVE DATA
PI = 287+96.63
Y = 165003.21
X = 668723.14
DELTA= 2°46'10"L
D = 0°47'06"
T = 176.46'
L = 352.85'
R = 7300.00'
PC = 286+20.16
Y = 164826.76
X = 668721.16
PT = 289+73.02
Y = 165179.55
X = 668716.59

CURVE 971-972
DELTA= 2°14'26"R
R = 3759.72'
T = 73.52'
L = 147.02'

CURVE 972-776
DELTA= 71°32'36"R
R = 40.30'
T = 29.04'
L = 50.32'

TLE765 39+65.00 75'L
21.21' N58°07'23"E
TLE737 39+50.00 60'L
15'
40+60.00 75'L TLE782
40+60.00 70'L TLE834
TLE844 42+44.00 90'L
TLE766 42+44.00 70'L
PLE FOR DRAINAGE
TLE768 42+73.78 175.18'L
TLE767 42+60.00 102'L
N66°15'14"E 20.00'
TLE769 42+71.92 214.37'L
N10°23'34"E 39.24'
N23°47'30"E 14.42'
155.13'
S79°06'38"E 50.00'
43+36.87 216.9'L TLE770
38.67' S10°23'34"W
43+38.71 178.28'L TLE771
S24°56'13"E
TLE773 44+75.00 100'L
44+00.00 100'L TLE772
173.68'
N37°05'20"E
4.91'
S50°06'16"E 42.22'
PRW825
PRW824
45+25.00 85'L TLE774
155.00' S76°52'35"E
46+80.00 85'L TLE775
S50°06'16"E 33.18'
47+10.00 70'L TLE845
N52°10'04"E 29.19'
TLE776 283+54.23 107.10'L
S78°13'05"E 135.36'
283+58.00 115'L TLE793
N01°07'07"E
S01°07'07"W
S00°08'26"E
267.34'
1184.94'
S/L
C/L
R/L
E(P)
SEE SHEET 4.25

N76°52'35"W
S76°52'35"E
40
SLOPE
INTERCEPTS
60'
R/W
PLE841
PLE842
PLE840
PLE843
MH
SS
G(P)
W(P)
TV(P)
CV
VLV
WV
42'
HIGHWAY SETBACK LINE PER CSM#8963
N89°47'50"E
NW-SE
NE-SE
SE-SE
SW-SE
1/16TH
5' SIDEWALK
EASEMENT
CSM#9285
20'
384.31'
220.23'
S79°28'44"E
TLE736 40+40.00 60'R
TLE699 40+40.00 95'R
602 STORM SEWER & DRAINAGE EASEMENT
CSM NO#9285
134
WEST RESERVE AT FIDDLERS CREEK
CONDOMINIUM
TAX KEY: 0988078
DOC. 3154049
LOT 4
CSM 8963
DOC. 2553846
VOL. 80 PG. 165-173
602 50' DRAINAGE EASEMENT
CITY OF WAUKESHA
CSM #8963
MEANDER LINE
CL OF CREEK
MEANDER LINE
50'
602 CITY OF WAUKESHA AND
CANTERBURY HOMES
UTILITY EASEMENT
DOC. 3114129
CL OF PROPOSED DRIVE
SUBJECT TO DOT APPROVAL
CSM#8963
45
R/L
60' SUMMIT AVE / USH 18
5.34'
55.10'
41.88'
PRW797
PRW796
S76°52'35"E
135.09'
TLE698 42+60.00 85'R
S05°18'41"E 47.43'
TLE697 42+75.00 130'R
123.95' S87°10'52"E
33.25'
10.51'
N42°53'48"E
TLE FOR
SLPOES & DRAINAGE
ACCESS EASEMENT
CSM NO#8884
602 603
EASEMENT
PER CSM 10439
DOC 3508283
V.199 P.206
136
ARBOR OAKS AT FIDDLERS
CREEK CONDOMINIUMS
LOT 2
CSM 8963
DOC. 2553846
VOL. 80 PG. 165-173
601 WE ENERGIES
DOC. 331635 V.505 P.241
8' SIDEWALK
EASEMENT
CITY OF WAUKESHA
CSM 10439
127
SUMMIT CORPORATE
CENTER LLC
TAX KEY: WAKC0988149
DOC. 3964751
604 20' SANITARY SEWER
CITY OF WAUKESHA
CSM 10439
LOT 1
CSM 10439
DOC. 3508283
VOL. 99 PG. 206-211
601 WE ENERGIES
DOC. 331635 V.505 P.241
PRIVATE ROAD
(TURNBERRY OAK DR)
CITY OF WAUKESHA
604 SAN SEWER EASEMENT
CITY OF WAUKESHA
DOC. 3114129
PRW823
221.57'
971
973
972
ERW970
ERW932
PRW791
PRW795
STA 47+00
MATCH LINE
SEE SHEET 4.23
64.5'
TLE681 46+00.00 85'R
TLE695 46+00.00 100'R
TLE694 46+25.00 74.50'R
TLE669 47+00.00 100'R
N80°20'29"E 27.12'
S77°16'55"E 200.58'
TLE792 48+48.00 70'L
602 50X50' VISION COR.
DOC. 2815513
CSM 9398, LOT 1
50+29.77
S/L=R/L
282+47.24 MEADOWBROOK=
50+00.00 U.S.H. 18
Y=164453.86
X=668716.99
SEE SHEET 4.23

CURVE 791-795
DELTA= 3°17'46"R
R = 3884.22'
T = 111.76'
L = 223.46'

CURVE 970-932
DELTA= 3°17'08"L
R = 3879.72'
T = 111.27'
L = 222.47'

R/L CURVE DATA
USH 18
PI = 52+78.19
Y = 164378.34
X = 668985.39
DELTA= 17°31'18"L
D = 1°30'00"
T = 588.65'
L = 1168.10'
R = 3819.72'
PC = 46+89.55
Y = 164511.99
X = 668412.11
PT = 58+57.65
Y = 164423.48
X = 669572.30

COURSE TABLE

POINT No.	BEARING	DISTANCE
794-795	S77°42'49"E	113.53'
795-796	S76°52'35"E	71.22'
796-797	S72°50'47"E	64.03'
970-932	S78°31'09"E	222.44'
840-841	N13°07'25"E	10.00'
841-842	S76°52'35"E	50.00'
842-843	S13°07'25"W	10.00'
843-840	N76°52'35"W	50.00'
776-792	S61°53'57"W	47.12'
1017-825	N37°05'20"E	53.34'
825-824	S52°54'40"E	30.00'
824-823	S37°05'20"W	40.00'
823-1017	N76°52'35"W	32.83'

* INDICATES LC AND LCB

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
SUMMIT AVE. / USH 18	STATE PROJECT No. 94-2788 (11)	1995	120'
SUMMIT AVE. / USH 18	CSM #10439	2007	VARIES
SUMMIT AVE. / USH 18	CSM #9398	2001	VARIES

CONC. MON.
W/BRASS CAP
Y 163264.65
X 668749.35

T 7 N R 19 E
31 | 32

REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE, FEET
0 50 100

HWY: USH 18

COUNTY: WAUKESHA

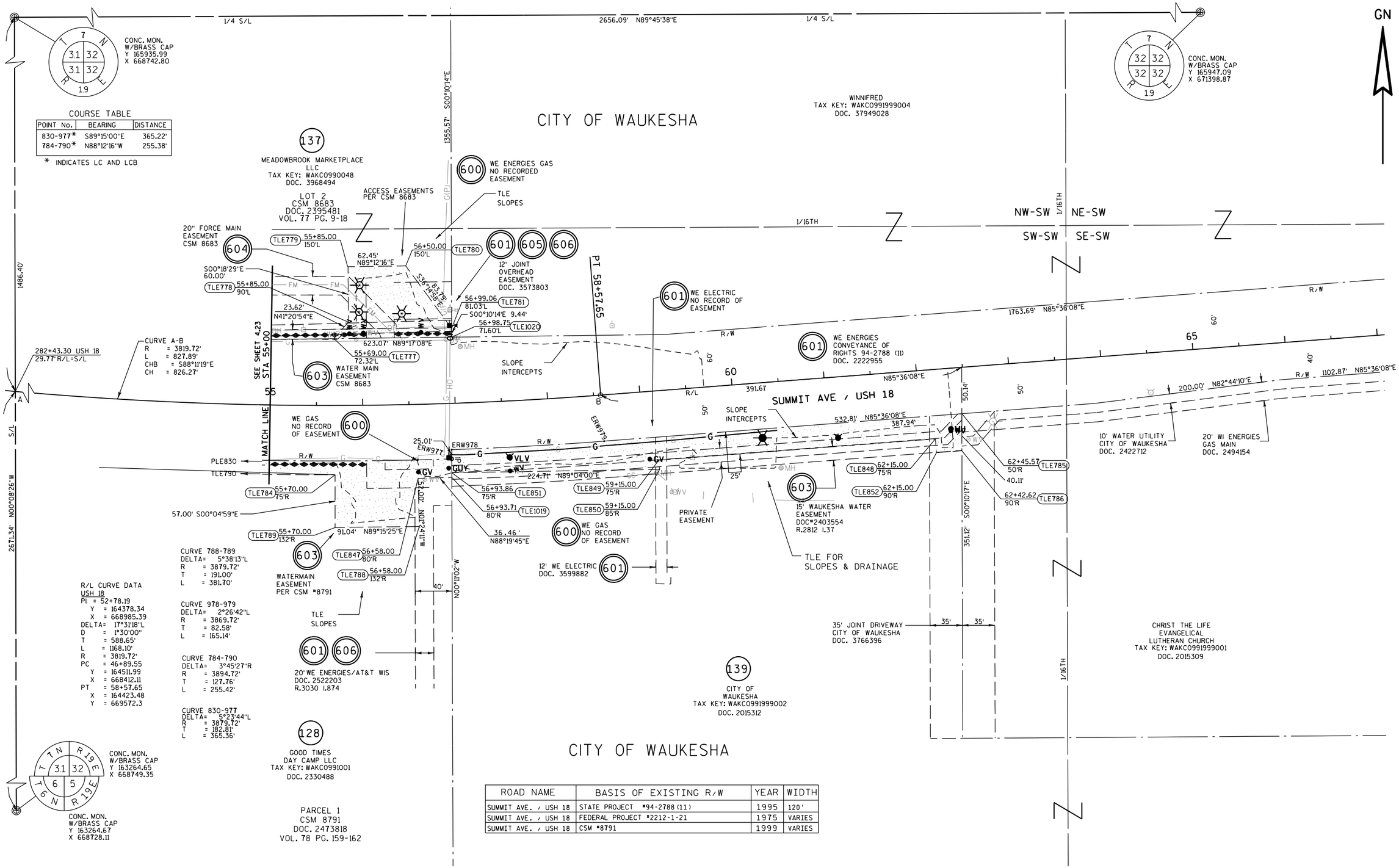
STATE R/W PROJ. #2788-00-22

CONST. PROJ. #2788-00-71,72 ; 2788-02-70

PLAT SHEET 4.24

PS&E SHEET E

FILE NAME : \\kapur-assoc.com\kna\milw\s-drive\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_24_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100



4

4

REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE, FEET
0 50 100

HWY: USH 18

COUNTY: WAUKESHA

STATE R/W PROJ. #2788-00-22

CONST. PROJ. #2788-00-71,72 ; 2788-02-70

PLAT SHEET 4.25

PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_25_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.25

COURSE TABLE		
POINT No.	BEARING	DISTANCE
811-812	S68°58'39"E	80.30'
812-813	N35°18'21"W	20.58'
813-814	N37°05'20"E	9.00'
814-1042	S37°05'20"W	62.84'
1042-1009	S37°05'20"W	77.51'
1009-819	S01°07'07"W	48.51'
819-818	N37°05'20"E	92.06'
818-817	N68°58'27"W	58.06'
817-811	S01°07'07"W	21.26'
814-815	N52°54'40"W	18.51'
815-1041	N37°05'20"E	48.78'
1041-1042	S89°51'34"W	23.24'
1041-816	N37°05'20"E	117.08'
816-1009	S01°11'37"W	31.51'
814-1009	N37°05'20"E	140.35'
817-819	N01°07'07"E	95'
815-718	S37°05'20"W	131.68'

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	STATE PROJECT # 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM #9398	2001	VARIES
MEADOWBROOK RD/CTH TT	CSM #8683	1998	95'
MEADOWBROOK RD/CTH TT	DEED DOC #2136453	1996	VARIES
MEADOWBROOK RD/CTH TT	DEED DOC #2136454	1996	VARIES

COURSE TABLE		
POINT No.	BEARING	DISTANCE
816-718	S37°05'20"W	34.31'
718-719*	N01°19'58"W	204.34'
719-720	N89°27'26"E	10.00'
720-836*	N00°17'17"E	214.55'
836-721	S01°07'07"W	100.86'
721-936	N89°46'47"E	62.01'
935-934	N88°52'53"W	40.00'
937-722	S89°46'47"W	42.01'
723-938	N89°33'25"E	42.01'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
718	289+73.69	110'L
719	291+75.00	110'L
720	291+75.00	100'L
836	293+86.66	100'l
721	294+87.52	100'L
722	294+87.05	120'L
723	297+26.14	120'L
724	297+26.28	115'L
811	288+02.00	97.45'L
812	288+32.55	171.94'L
813	288+50.00	183.52'L
814	288+57.24	177.94'L
815	288+69.03	192.46'L
816	289+99.95	88.36'L
817	288+23.54	96.72'L
818	288+45.73	150.53'L
819	289+19.70	92.65'L

CITY OF WAUKESHA

CITY OF WAUKESHA

R/L CURVE DATA CTH TT	
PI	= 287+96.63
Y	= 165003.21
X	= 668723.14
DELTA	= 2°46'10"L
D	= 0°47'06"
T	= 176.46'
L	= 352.85'
R	= 7300.00'
PC	= 286+20.16
Y	= 164826.76
X	= 668721.16
PT	= 289+73.02
Y	= 165179.55
X	= 668716.59

R/L CURVE DATA CTH TT	
PI	= 291+79.89
Y	= 165386.28
X	= 668708.91
DELTA	= 3°14'48"R
D	= 0°47'06"
T	= 206.88'
L	= 413.64'
R	= 7300.00'
PC	= 289+73.02
Y	= 165179.55
X	= 668716.59
PT	= 293+86.66
Y	= 165593.12
X	= 668712.94

REVISION DATE: 08/28/2015 NC 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.26
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_26_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CITY OF WAUKESHA

CONC. MON.
W/BRASS CAP
Y 165915.51
X 666089.00

N89°33'28"E
2655.88'
1/4 S/L

602
CITY OF WAUKESHA
STORM WATER
EASEMENT
PER CSM 10394

144
WAUKESHA MEMORIAL
HOSPITAL INC
TAX KEY: WAKC0985300
DOC. 3490683

603
WATER MAIN EASEMENT
CITY OF WAUKESHA
DOC. 3674257

LOT 1
CSM 10394
DOC. 3487280
VOL. 98 PG. 331-334

WE ENERGIES, AT&T
DISTRIBUTION EASEMENT
DOC. 3568505

606 601

COLDWATER CREEK DR

CURVE 941-940
DELTA= 14°58'01"L
R = 75.00'
T = 9.85'
L = 19.59'

CURVE 982-983
DELTA= 14°58'01"L
R = 75.00'
T = 9.85'
L = 19.59'

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	ROLLING RIDGE SOUTH ADDITION NO. 8	2004	VARIES
MEADOWBROOK RD/CTH TT	STATE PROJECT No.94-2788(11)	1996	200'
MEADOWBROOK RD/CTH TT	CSM 10541	2008	VARIES
MEADOWBROOK RD/CTH TT	DEED DOC # 2136453	1966	VARIES
COLDWATER CREEK DRIVE	ROLLING RIDGE SOUTH ADDITION NO. 8 & 9	2004	VARIES
COLDWATER CREEK DRIVE	CSM 10541 & CSM 10394	2008	VARIES

STATION & OFFSET TABLE

POINT	STATION	OFFSET
729	48+90.00	50L
723	297+26.14	120L
724	297+26.28	115L
725	298+50.00	115L
726	299+00.00	100L
727	300+75.00	100L
728	300+75.00	78L
730	306+00.00	83L
798	306+25.00	83L
799	306+50.00	78L

132
SMART
REVOCABLE TRUST
TAX KEY: WAKC0985999
DOC. 3822690

UNPLATTED LAND

CONC. MON.
W/BRASS CAP
Y 168619.82
X 668743.61

SEE SHEET 4.26

SEE SHEET 4.28

297+29.41
R/L=1/4 S/L

CONC. MON.
W/BRASS CAP
Y 165947.09
X 671398.87

CONC. MON.
W/BRASS CAP
Y 165935.99
X 668742.80
STA. 297+30.04
OFFSET 23.16'

2656.09' S89°45'38"W
1/4 S/L

309+34.86
R/L=S/L

310+70.00
R/L=16TH LINE

1/16TH

MEADOWBROOK RD / CTH TT

EX C/L

2683.84' S00°01'02"W

843.39' N01°07'07"E

305+24.03 MEADOWBROOK=
50+00.00 COLDWATER CREEK EAST
Y=166730.27
X=668735.15

305+23.27 MEADOWBROOK=
50+00.00 COLDWATER CREEK WEST
Y=166729.52
X=668735.13

15' UTILIY EASE.
PER ROLLING RIDGE
SOUTH ADD. NO.8
DOC. 3377485

15' UTILIY EASE. PER ROLLING
RIDGE SOUTH ADD. NO.8
DOC. 3377485

MK/S-EP LLC
TAX KEY: WAKC0990128
DOC. 4016317

10' JOINT DISTRIBUTION EASEMENT
WE ENERGIES, AT&T AND TWC
DOC. 3417940

10' WE ENERGIES,
DOC. 3459746

KENNETH R & LAURA J BUTTS
REVOCABLE TRUST
TAX KEY: WAKC0990068
DOC. 4080707

KYLE & ELIZABETH UDOVICH
TAX KEY: WAKC0990129
DOC. 4064912

SAMUEL CLOUD
TAX KEY: WAKC0990067
DOC. 4114537

LOT 2
CSM 10541
DOC. 3569324
VOL. 101 PG. 14-32

LOT 431

LOT 432

Out Lot 14

ROLLING SOUTH RIDGE NO.9

ROLLING SOUTH RIDGE NO.8

SLOPE INTERCEPTS

TLE SLOPES

25'X25' VISION
CORNER EASEMENT
PER CSM 10394

25X25' VISION
CORNER. PER
ROLLING RIDGE
ADD. NO.9

SIDEWALK EASEMENT
PER CSM 10541

COURSE TABLE

POINT No.	BEARING	DISTANCE
725-726	S17°49'04"W	52.20'
727-728	S88°52'53"E	22.00'
729-730	N46°23'02"E	38.04
730-798	S01°07'07"W	25.00'
798-799	S12°25'43"W	25.50'
629-730	S46°23'02"W	16.72'

R/L CURVE DATA
CTH TT
PI = 54+65.27
Y = 166721.54
X = 669200.34
DELTA= 59°12'49"L
D = 20°50'16"
T = 156.24'
L = 284.16'
R = 274.96'

CURVE 946-948
DELTA= 10°20'35"L
R = 190.00'
T = 17.20'
L = 34.30'

CURVE 947-948
DELTA= 9°10'35"L
R = 190.00'
T = 15.25'
L = 30.43'

CURVE 641-947
DELTA= 8°55'56"R
R = 158.00'
T = 12.34'
L = 24.63'

PC 53+09.03
PC 53+09.03

PI 54+65.27

CITY OF WAUKESHA

COLDWATER CREEK DR

REVISION DATE: 08/28/2015 NC 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.27
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_27_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	ROLLING RIDGE SOUTH ADDITION NO. 7 & 8	2004	VARIES
MEADOWBROOK RD/CTH TT	STATE PROJECT No.94-2788(11)	1996	200'
MEADOWBROOK RD/CTH TT	DEED DOC # 2136453	1996	VARIES

COURSE TABLE

POINT No.	BEARING	DISTANCE
739-740	N88°52'53"W	10.00'
741-742	S88°52'53"E	15.00'
742-1022	N01°07'07"E	37.28'
826-735	S88°52'53"E	12.00'

STATION & OFFSET TABLE
PROPOSED ROW POINTS

POINT	STATION	OFFSET
731	310+67.93	105'L
732	311+50.00	105'L
733	314+50.00	145'L
734	316+55.00	145'L
735	319+50.00	90'L
826	319+50.00	78'L
738	320+50.00	90'L
739	322+80.00	115'L
740	322+80.00	125'L
741	323+75.00	125'L
742	323+75.00	110'L
950	323+82.67	122'R
1022	324+12.29	110'L

CITY OF WAUKESHA

CITY OF WAUKESHA

SEE SHEET 4.27

SEE SHEET 4.29

4

4

GN

CONC. MON.
W/BRASS CAP
Y 168635.87
X 666098.40

CONC. MON.
W/BRASS CAP
Y 165935.99
X 668742.80

CONC. MON.
W/BRASS CAP
Y 168619.82
X 668743.61
STA. 324+13.38
OFFSET 28.42'L

CONC. MON.
W/BRASS CAP
Y 168606.08
X 671395.53

310+69.95
2.60'L

310+70.00
R/L=1/16TH

324+13.79
R/L=S/L

132
SMART
REVOCABLE TRUST
TAX KEY: WAKC0985999
DOC.3822690

154
GM DEVELOPMENT
LLC
TAX KEY: WAKC0979305
DOC. 3947966

15'UTILIY EASEMENT PER
ROLLING RIDGE SOUTH
ADD. NO.7
DOC. 3218346

CITY OF WAUKESHA
DPW 20'SAN SEWER
EASEMENT
PER ROLLING RIDGE
PLAT ADD.7

TLE731 TLE732 TLE733 TLE783 TLE854 TLE734
PRW735 PRW738 PRW739 PRW740 PRW741 PRW742 PRW1022 PRW747
PRWMB26

TLE FOR SLOPES

SLOPE INTERCEPTS

MEADOWBROOK RD / CTH TT

ROLLING RIDGE SOUTH NO.8

ROLLING RIDGE SOUTH NO.7

LOT 291

REVISION DATE:	08/28/2015 NC 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.28	
				COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_28_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

CITY OF PEWAUKEE

CITY OF WAUKESHA

ARROWHEAD TRAILS SUBDIVISION

SMOLINSKI
TAX KEY: PWC 0984007

CHEESMAN
TAX KEY: PWC 0984008

KUSCH
TAX KEY: PWC 0984009

PARCEL A CSM 3123
V23 P186-188
DOC. 1024041

149 JOHN & PATRICIA DURHAM
TAX KEY: PWC 0984999001
DOC. 3117200

151 MICHAEL W & LOU ANN NEWMAN
TAX KEY: PWC 0984012
DOC. 795972

152 DEBRA E BAKER
TAX KEY: PWC 0984011
DOC. 39552000

153 RANDAL & LORA JENDRUSIAK
TAX KEY: PWC 0984010
DOC. 2699277

150 GOLEMGESKE

154 GM DEVELOPMENT LLC
TAX KEY: WAKC0979305

BLK 2

CONC. MON.
W/BRASS CAP
Y 168635.87
X 666098.40

STA. 324+13.38
OFFSET 28.42'L
CONC. MON.
W/BRASS CAP
Y 168619.82
X 668743.61

CONC. MON.
W/BRASS CAP
Y 168606.08
X 671395.53

CONC. MON.
W/BRASS CAP
Y 171291.29
X 668756.57

SEE SHEET 4.28

SEE SHEET 4.30

NE-NE

SE-SE

NW-NW

SW-SW

NE-SE

SE-SE

NW-NW

SW-SW

4

4

GN

S79°08'44"W 20'

N88°21'16"W

N70°28'02"W

S59°04'42"W

N75°45'02"W

PRW1022 2613.67' S89°39'09"E 2645.26'

PRW743 PRW744 PRW745 PRW746 PRW747 PRW748 PRW749 PRW750 PRW751 PRW752 PRW753 PRW855 PRW865 PRW872 PRW873 PRW876 PRW877 PRW878 PRW880 PRW950 PRW952 PRW953

TLE644 326+87.10 98'L

TLE645 327+50.00 55'L

TLE646 328+45.00 90'L,84.76'L

TLE647 329+40.47 86.15'L

TLE648 329+40.60 100.00'L

TLE831 324+50.00 115'L, 110'L

TLE832 326+00.00 115'L, 110'L

TLE833 331+50.00 100'L,89.24'L

TLE750 331+50.00

TLE SLOPES 5'

TLE SLOPES 95.13' N04°07'53"E

TLE SLOPES

TLE SLOPES

607 DRAINAGE EASEMENT PER ARROWHEAD TRAILS SUBDIVISION V.26 P.14

601 WE ENERGIES NO RECORDED EASEMENT

PLE821 PLE822 PLE1028 PLE820 PLE FOR DRAINAGE

PC 333+42.79

110' 16.47' 13.84' 10.76' 11.8'

269.82' N00°16'40"E

62.37' N03°52'32"E

209.40 N01°07'07"E

258.00'

264.06'

240.00'

312.09'

S88°52'53"E 5.20'

S88°52'53"E

50' RESERVED HIGHWAY RIGHT OF WAY

50' RESERVED HIGHWAY RIGHT OF WAY

50' RESERVED HIGHWAY RIGHT OF WAY

GOLEMGESKE RESERVED BY ARROWHEAD TRAILS SUBDIVISION

S00°16'40"W

PL

R/W

50'

28.43'

300.15'

1023

2671.49' S00°16'40"W

SLOPE INTERCEPT

325

330

335

N01°07'07"E

R/L

S/L

607 CITY OF PEWAUKEE DRAINAGE DITCH EASEMENT DOC. 899815

DRAINAGE DITCH EASEMENT TOWN. DOC. 899815 R.103 I.526

607 N LINE OF DRAINAGE EASEMENT DOC. 899815

EX. C/L

MEADOWBROOK RD / CTH TT

R/W VARIES

324+13.79 R/L=S/L

S01°07'07"W 32.87'

102.21'

122.00'

329+00.00 122'R

329+24.68 127'R

328+37.50 127'R

TLE651

TLE650

484.46'

24.68'

158.66' S02°37'12"E

PI 336+25.76

337+28.65 110'R

337+00.00 115'R

334+00.00 120'R

336+00.00 115'R, 120'R

N89°05'59"E 5'R

333+42.79 114.26'R

333+79.78 117.92'R

327+00.00 150'R

328+00.00 130'R

326+20.00 180'R

325+65.00 225'R

325+40.06 566.98'R

325+22.96 577.35'R

101.98' S10°11'29"E

85.44' S19°26'15"E

S38°10'15"E 11.06'

416.47' S73°59'42"W

342.88' S84°42'36"E

320.00' S30°07'02"E

SAN

KAYLA DRIVE (PRIVATE ROAD)

50'

601 605 608 15' UTILIY EASEMENT WE ENERGIES, TWC, CENTURY LINK PER ROLLING RIDGE SOUTH ADD. NO.7 DOC. 3218346

604 CITY OF WAUKESHA SANITARY SEWER PER ROLLING RIDGE SOUTH ADD. NO.7 DOC. 3218346

604 CITY OF WAUKESHA WATER CSM 10795 DOC. 3763368 V. 104 P. 241

TURNBERRY RESERVE CONDOMINIUM

LOT 2
CSM 10795
DOC. 3763368
VOL. 104 PG. 241-251

CURVE 952-871
DELTA= 2°04'26"L
R = 11554.16'
T = 209.12'
L = 418.20'

CURVE 652-651
DELTA= 2°15'34"R
R = 11559.16'
T = 227.94'
L = 455.81'

CURVE 871-953
DELTA= 1°38'25"L
R = 11554.16'
T = 165.41'
L = 330.79'

CURVE 873-872
DELTA= 1°34'11"R
R = 7420.00'
T = 101.65'
L = 203.29'

CURVE 877-876
DELTA= 0°47'06"R
R = 7415.00'
T = 50.79'
L = 101.58'

R/L CURVE DATA
CTH TT
PI = 336+25.76
Y = 169831.42
X = 668795.70
DELTA= 4°26'23"L
D = 0°47'06"
T = 282.97'
L = 565.66'
R = 7300.00'
PC = 333+42.79
Y = 169548.50
X = 668790.18
PT = 339+08.45
Y = 170113.91
X = 668779.3

STATION & OFFSET TABLE

POINT	STATION	OFFSET
950	323+82.67	122'R
1022	324+12.29	-110'L
743	326+00.00	110'L
744	326+25.00	98'L
745	326+72.72	98'L
746	326+82.50	82.38'L
821	331+75.00	109.68'L
820	331+75.00	89.60'L
822	332+00.29	109.68'L
1028	332+04.45	90.04'L
865	337+61.67	86.27'L

COURSE TABLE

POINT No.	BEARING	DISTANCE
743-744	N26°45'35"E	27.73'
744-745	N01°07'07"E	47.72'
745-746	N59°04'42"E	18.43'
1023-746	S59°04'42"W	58.45'
746-865	N00°16'40"E	1074.11'
865-1024	S79°20'45"E	50.83'
1024-1023	S00°16'40"W	1034.67'
820-821	S88°52'53"W	20.07'
821-822	N01°07'07"E	25.29'
822-1028	N79°08'44"E	20.08'
1028-820	S00°16'40"W	29.46'
647-833	S00°16'14"E	209.55'

COURSE TABLE

POINT No.	BEARING	DISTANCE
650-855	NXX°51'04"W	XX6'
650-651	S01°07'07"W	87.18'
749-855	S03°27'19"E	100.32'
650-855	N03°27'19"W	62.70'
952-871*	N00°03'27"E	418.18'
871-652	N06°32'19"E	37.75'
871-872	S06°32'19"W	58.41'
651-652*	S00°02'07"E	455.79'
877-876*	S01°17'33"E	101.57'
871-953*	N01°47'59"W	330.78'
874-873*	S01°31'19" E	465.91'

* INDICATES LCH AND LCB

CITY OF WAUKESHA

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	CSM #10795	2010	VARIES
MEADOWBROOK RD/CTH TT	STATE PROJECT No.94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM 3123	1977	50'

REVISION DATE: 08/28/2015 07/29/2016
03/02/2016
04/27/2016
06/03/2016

DATE: 05/21/2015

SCALE, FEET 0 50 100

HWY: USH 18

COUNTY: WAUKESHA

STATE R/W PROJ. #2788-00-22

CONST. PROJ. #2788-00-71,72 ; 2788-02-70

PLAT SHEET 4.29

PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_29_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

GN

MEADOW BROOK HEIGHTS SOUTH

CONC. MON. W/BRASS CAP Y 171291.29 X 668756.57

T 7 N R 19 E — 30 29 / 31 32

WE ENERGIES, TWC, AT&T PER CSM 10795

END RELOCATION ORDER
STA 345+31.00
X=668743.24
Y=170735.42

CITY OF WAUKESHA
CITY OF PEWAUKEE

LOT 3 CSM 1024

CITY OF PEWAUKEE

LOT 2 CSM 1024

TAX KEY: PWC 0984993

156 MESSNER
TAX KEY: PWC 0984992

157 SENNOTT
TAX KEY: PWC 0984994
DOC. 1626721

LOT 1 CSM 1024
V6 P352-353
DOC. 738289

158 BRUCHERT
TAX KEY: PWC 0984998

159 POWELEIT
TAX KEY: PWC 0984997
DOC. 4180618

161 MAJESKIE FAMILY IRREVOCABLE TRUST, VENDOR
TAX KEY: PWC 0984996

601 WE ENERGIES
DOC. 444337
DOC. 439106

601 WE ENERGIES
DOC. 225692
V.274 P.77

601 WE ENERGIES
DOC. 225695
V.274 P.78

601 606 WE ENERGIES, AT&T
DOC. 497923

AT&T NO RECORD OF EASEMENT 606

TLE FOR SLOPES & DRIVES

EXIST RIGHTS IN R/W DOC. 1589977 R.1198 I.110 601

25' RADIUS SIDEWALK EASE. PER CSM 10795

606 22' AT&T EASEMENT DOC. 2438259 VOL. 2 PG. 244-245

FIRE STATION EASEMENT TOWER SITE AS SHOWN ON PLAT OF SURVEY(1983) NOT REFERENCED IN TITLE

606 12' AT&T EASEMENT DOC. 2236561 R.2486 I.1944

TLE SLOPES

TLE DRIVE & SLOPES

606 NO RECORDED EASEMENT

601 605 608 15' UTILIY EASEMENT PER ROLLING RIDGE SOUTH ADDITION NO. 7 DOC. 3218346

154 GM DEVELOPMENT LLC
TAX KEY: WAKC0979305

LOT 2 CSM 10795 DOC. 3763368 VOL. 104 PG. 241-251

162 TAX KEY: WAKC0979996001
CITY OF WAUKESHA
LOT 1 CSM 361 DOC. 651418

163 CITY OF WAUKESHA
TAX KEY: WAKC0979998004

601 12' WE ENERGIES DOC. 1589977 R.1198 I.110

CITY OF WAUKESHA

NORTHVIEW RD

MEADOWBROOK RD / CTH TT

R/W VARIES

PC 345+26.92

PC 50+99.43

PT 339+08.45

PI 55+06.01

PI 50+00.00 NORTHVIEW RD. X=668771.01 Y=170256.85

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	MEADOWBROOK HEIGHTS SOUTH (SUBDIVISION)	1997	VARIES
MEADOWBROOK RD/CTH TT	CSM #1024	1969	VARIES
MEADOWBROOK RD/CTH TT	COUNTY PROJECT 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM #10795	2010	VARIES
NORTHVIEW RD.	STATE PROJECT #2717-01-70	1988	100'
NORTHVIEW RD.	CSM #1024	1969	40'

STATION & OFFSET TABLE

POINT	STATION	OFFSET
754	43+94.41	30'R
755	43+94.43	35.50'R
756	48+44.75	35.50'R
757	48+44.70	30'R
760	48+46.70	40'L
761	48+87.23	57.60'L
762	341+50.33	80.44'L
763	342+31.74	68.50'L
764	343+15.34	68.50'L
865	337+61.67	86.27'L

COURSE TABLE

POINT No.	BEARING	DISTANCE
755-754	N10°14'14"E	5.50'
1032-1031	S09°56'44"W	5.50'
1030-1029	S09°56'40"W	5.50'
757-756	S09°56'40"W	5.50'
760-761	N77°01'02"E	44.19'
761-762	N40°42'02"E	22.04'
762-763	N05°01'23"E	82.28'
763-764	N03°19'16"W	83.60'
657-656	S58°20'05"W	18.46'
954-875*	S76°58'40"E	40.00'
880-789	N87°20'02"E	6.78'
879-878*	S02°17'17"E	97.80'
656-875	N50°12'04"E	25.36'
874-875	S50°12'04"W	48.34'
874-959	N02°37'12"W	148.72'
875-659*	S68°52'27"E	348.01'

* INDICATES LCH AND LCB

CURVE 670-955
DELTA= 6°41'56"L
R = 1475.00'
T = 86.33'
L = 172.46'

CURVE 955-956
DELTA= 9°32'26"L
R = 1475.00'
T = 123.09'
L = 245.61'

CURVE 879-878
DELTA= 0°45'22"R
R = 7410.00'
T = 48.90'
L = 97.80'

CURVE 954-875
DELTA= 1°40'01"R
R = 1375.00'
T = 20.00'
L = 40.00'

CURVE 875-659
DELTA= 14°32'26"R
R = 1375.00'
T = 175.42'
L = 348.95'

R/L CURVE DATA
CTH TT
PI = 336+25.76
Y = 169831.42
X = 668795.70
DELTA= 4°26'23"L
D = 0°47'06"
T = 282.97'
L = 565.66'
R = 7300.00'
PC = 333+42.79
Y = 169548.50
X = 668790.18
PT = 339+08.45
Y = 170113.91
X = 668779.3

R/L CURVE DATA
NORTHVIEW RD
PI = 55+06.01
Y = 170157.82
X = 669267.24
DELTA= 31°50'56"R
D = 4°01'15"
T = 406.58'
L = 792.11'
R = 1425.00'

CONC. MON. W/BRASS CAP Y 168619.82 X 668743.61

SEE SHEET 4.29

REVISION DATE: 08/28/2015 07/29/2016 03/02/2016 04/27/2016 06/03/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.30
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_30_rp.dgn PLOT DATE : 7/29/2016 PLOT BY : mmyaskovsky PLOT NAME : PLOT SCALE : 1:100

WE ENERGIES

JUSTIN A. RADICHEL
& JANEA R. ROWE

IRSHAD &
SEEMI ALI

OWNERS OF LOTS
IN HERITGAGE HILLS

N

R/W

TLE

BEGIN CONSTRUCTION
STA 264+65.71

R/L WAUKESHA BYPASS

PRE-PAVING TELEVISING
SANITARY MAIN LINE

BM 727

264 265 266 267 268 269 270

MATCH LINE STA 270+00

WAUKESHA BYPASS

EXISTING PAVEMENT TO REMAIN

PRE-PAVING TELEVISING
SANITARY MAIN LINE

R/W

TLE

HSE

LOIS M. KAPLAN

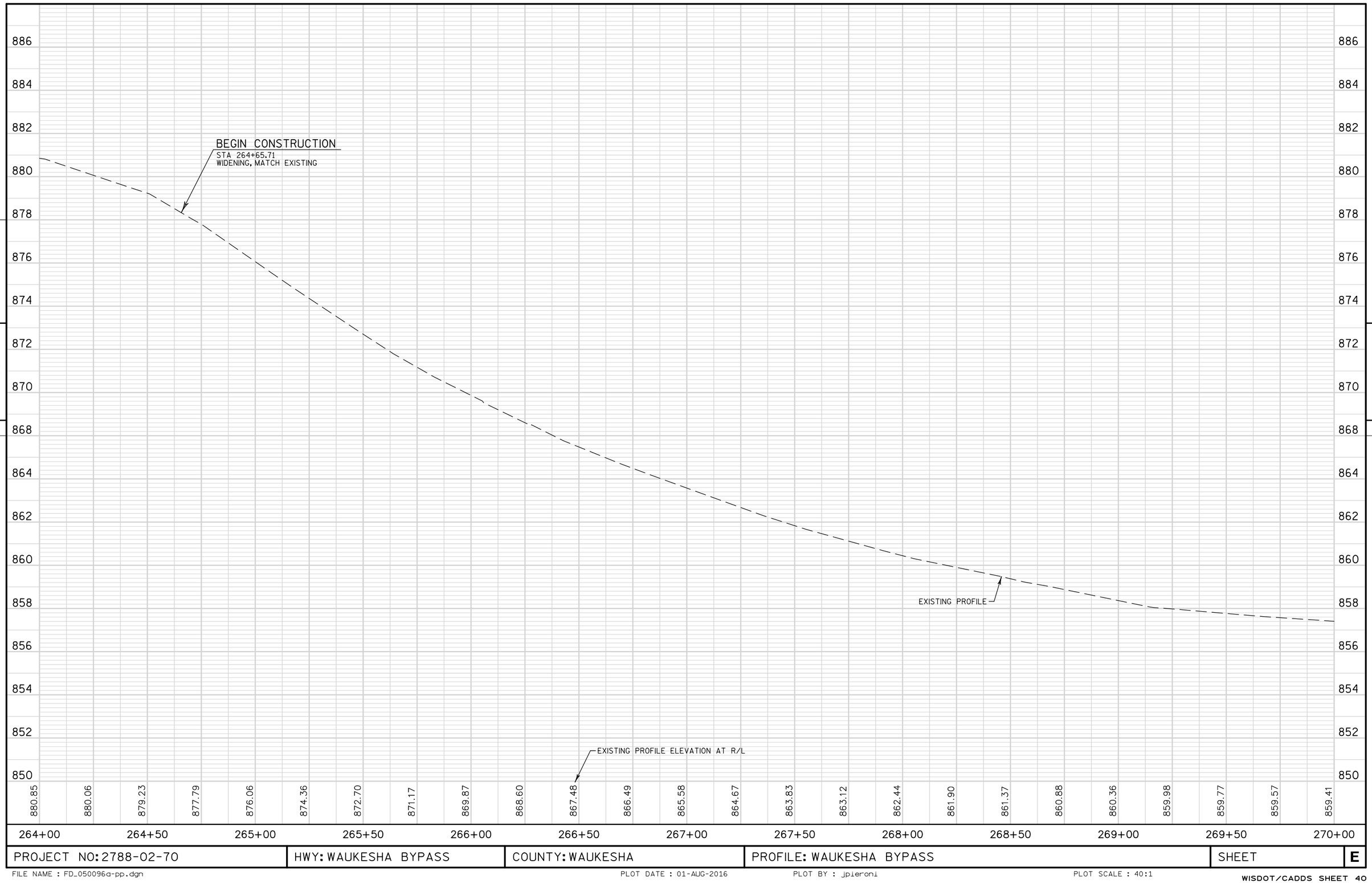
CITY OF WAUKESHA

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
727	266+58.46 LT	UPPER NNE BOLT ON 2nd HYDRANT	866.18
		NORTH OF KISDON HILL DR. ON WEST	
		SIDE OF CTH TT	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

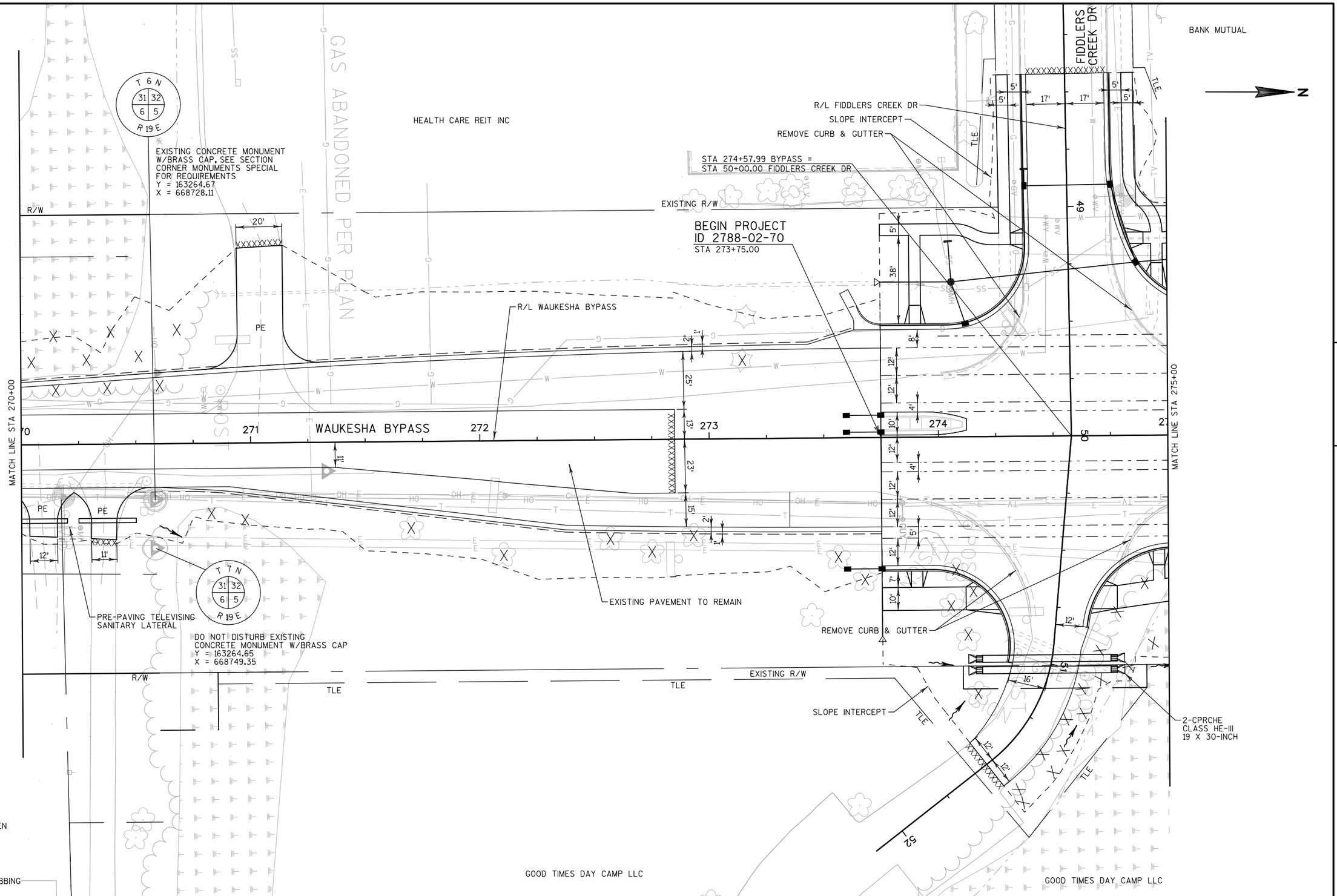
FILE NAME : FD_050095-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1



5

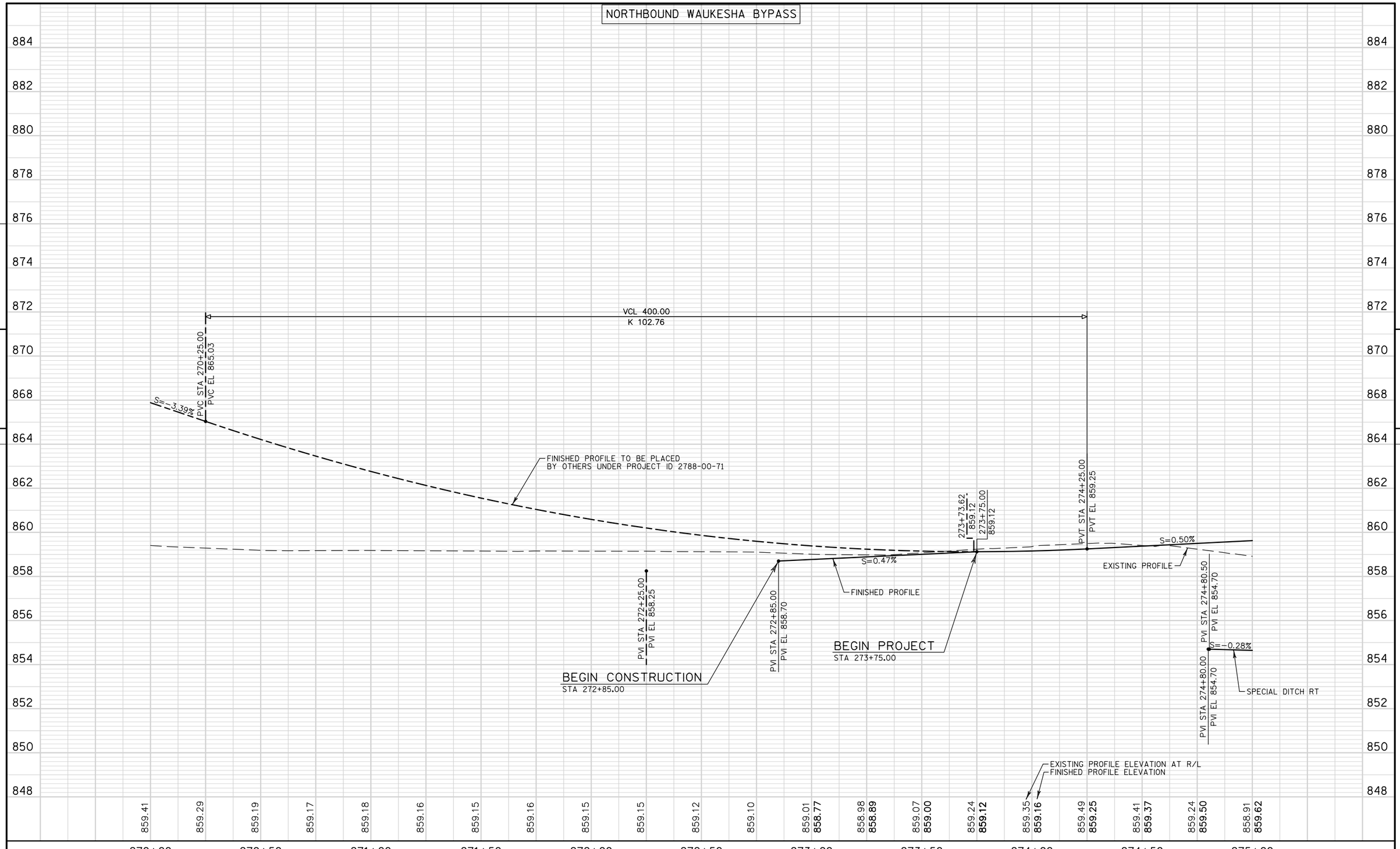
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050098a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS

VCL 400.00
K 104.80

PVC STA 270+25.00
PVC EL 864.88

S=-3.32%

FINISHED PROFILE TO BE PLACED BY
OTHERS UNDER PROJECT ID 2788-00-71

PVI STA 272+25.00
PVI EL 858.25

BEGIN CONSTRUCTION
STA 272+85.00

PVI STA 272+85.00
PVI EL 858.70

S=0.47%

FINISHED PROFILE

BEGIN PROJECT
STA 273+75.00

273+72.60
859.12

273+75.00
859.12

PVT STA 274+25.00
PVT EL 859.25

S=0.50%

EXISTING PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

270+00	270+50	271+00	271+50	272+00	272+50	273+00	273+50	274+00	274+50	275+00
859.41	859.29	859.19	859.17	859.18	859.16	859.15	859.16	859.15	859.15	859.12	859.10	859.01	**858.77**	858.98	**858.89**	859.07	**859.00**	859.24	**859.12**	859.35	**859.15**	859.49	**859.25**	859.41	**859.38**	859.24	**859.50**	858.91	**859.63**

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050098b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

BANK MUTUAL

SUMMIT CORPORATE CENTER LLC

N

PRIVATE STORMWATER POND

SLOPE INTERCEPT

REMOVE CURB & GUTTER

EXISTING R/W

EXISTING R/W

R/L WAUKESHA BYPASS

MATCH LINE STA 275+00

MATCH LINE STA 279+00

275 276 277 278 WAUKESHA BYPASS

2' 1' 12' 5' 12' 12' 4' 12' 10' 4' 12' 12' 8' 8' 10'

2' 6' 12' 12' 4' 10' 12' 4' 12' 12' 5' 12' 7' 10'

REMOVE CURB & GUTTER

EXISTING R/W

SLOPE INTERCEPT

EXISTING R/W

TLE

TLE

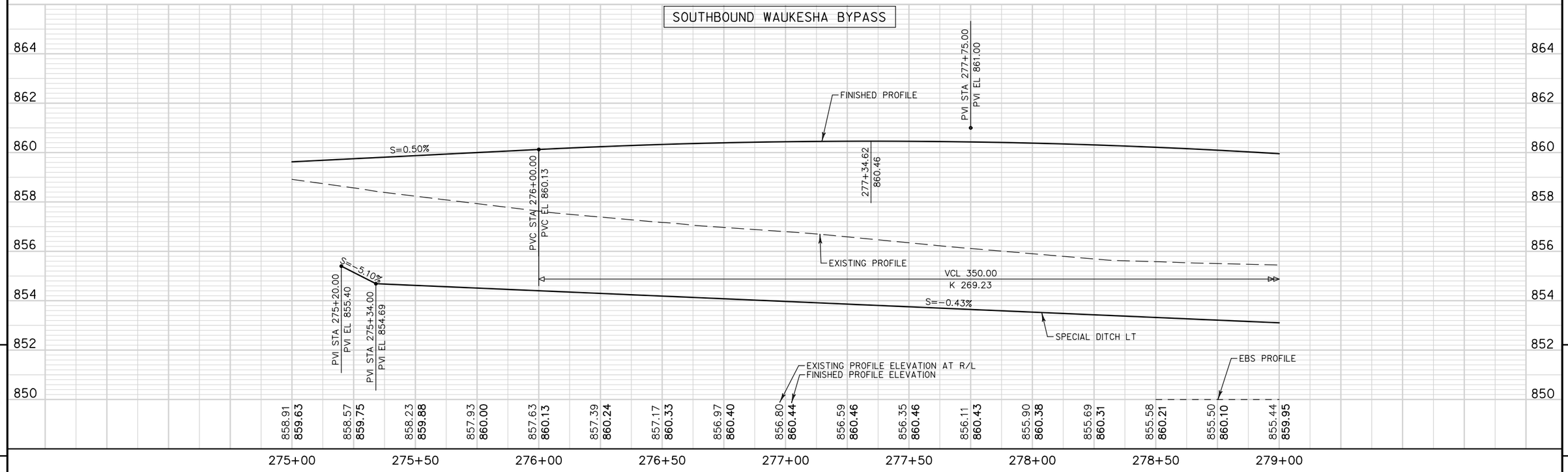
GOOD TIMES DAY CAMP LLC

X = CLEARING AND GRUBBING

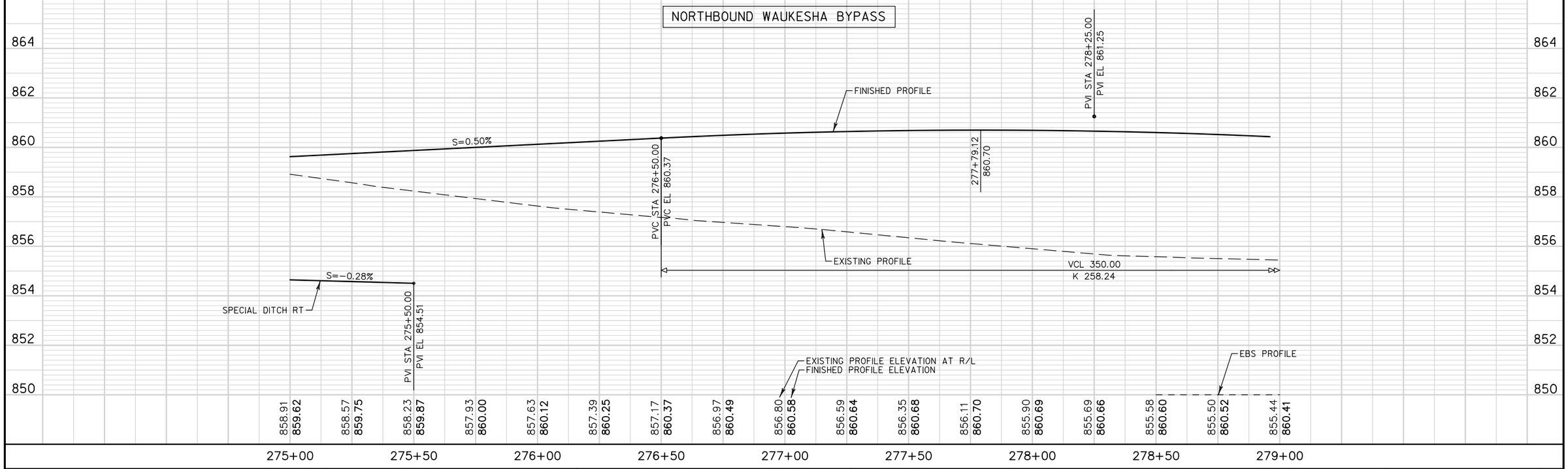
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050099-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS



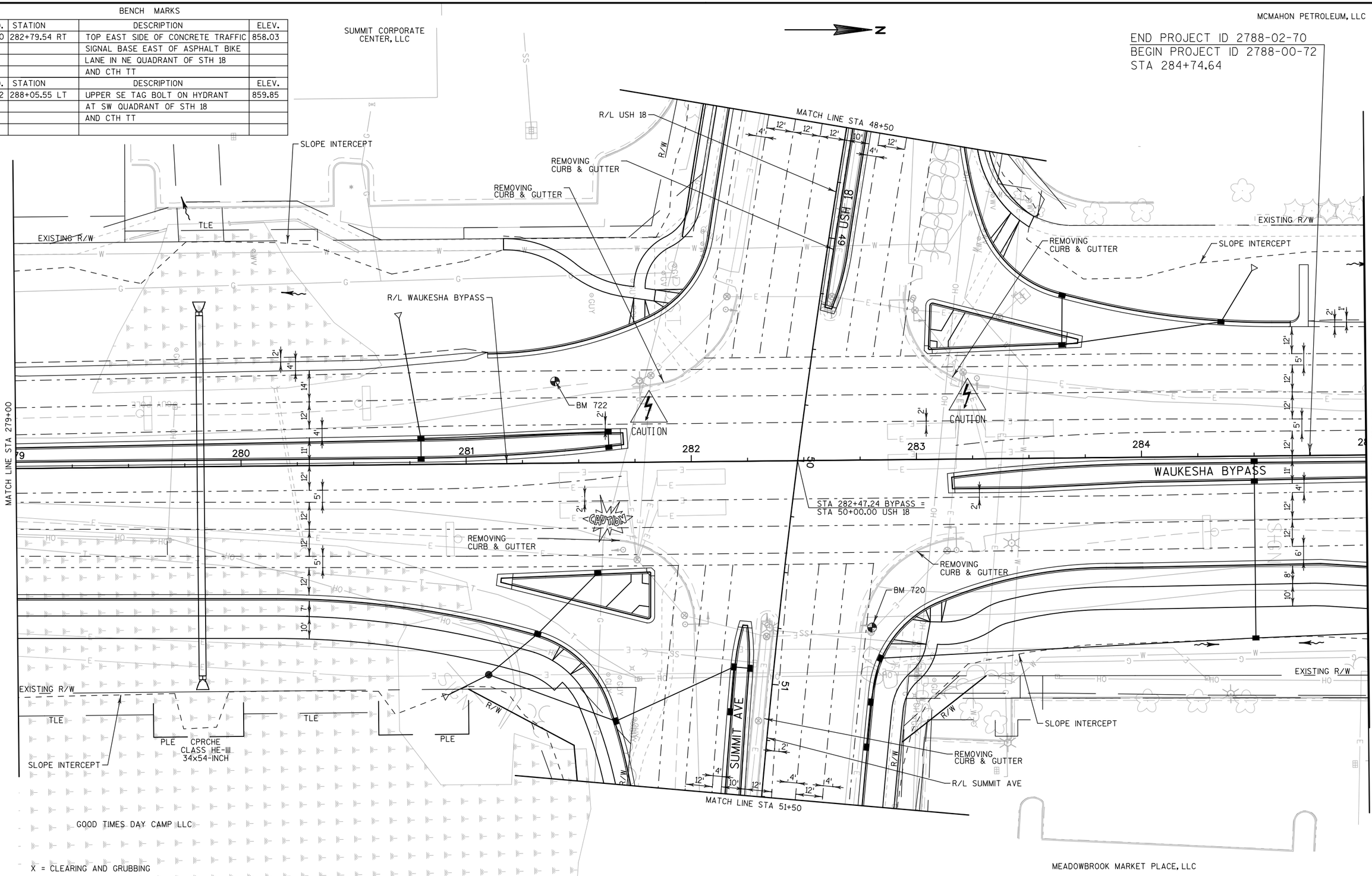
NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

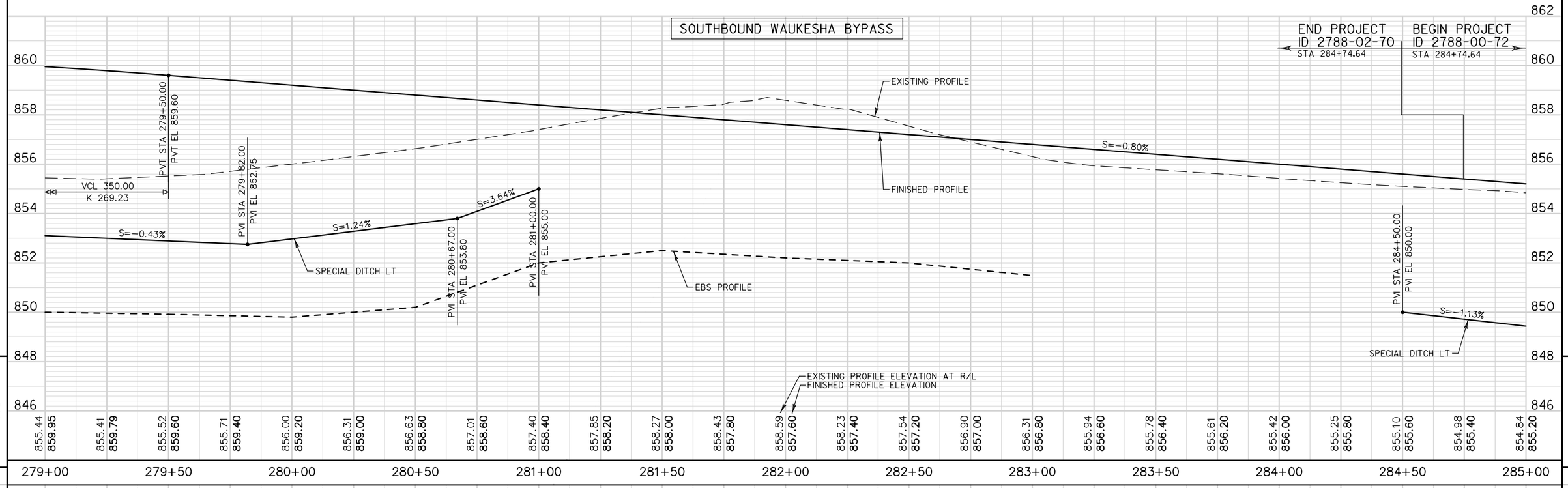
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
720	282+79.54 RT	TOP EAST SIDE OF CONCRETE TRAFFIC	858.03
		SIGNAL BASE EAST OF ASPHALT BIKE	
		LANE IN NE QUADRANT OF STH 18	
		AND CTH TT	
NO.	STATION	DESCRIPTION	ELEV.
722	288+05.55 LT	UPPER SE TAG BOLT ON HYDRANT	859.85
		AT SW QUADRANT OF STH 18	
		AND CTH TT	

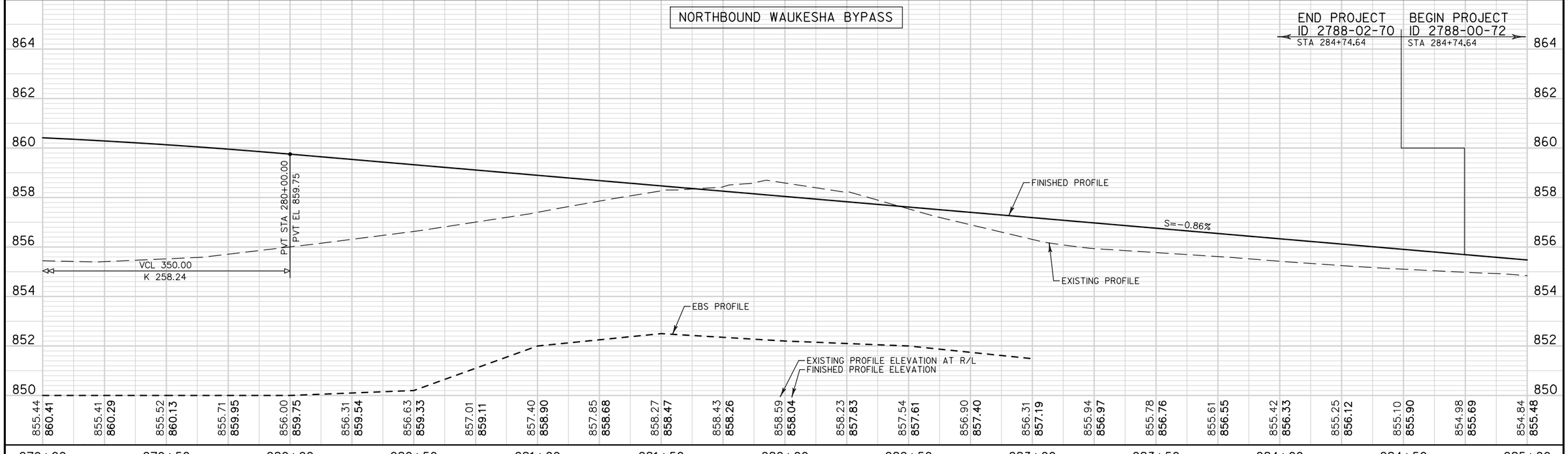


PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

SOUTHBOUND WAUKESHA BYPASS



NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

MCMAHON PETROLEUM, LLC

ROBERT F. SMART
AND C Q SMART

FAITH BAPTIST CHURCH INC

INSTALL BID ITEM "FENCE CHAIN LINK 4-FT" PLACE DIRECTLY BEHIND WING WALLS AND HEAD WALL

RECONSTRUCTING SANITARY MANHOLE

REMOVE APRON ENDWALL AND CONNECT TO EXISTING PIPE UNDERDRAIN
55' PIPE UNDERDRAIN WRAPPED
6-INCH AT 2% SLOPE
1-APRON ENDWALLS FOR UNDERDRAIN
REINFORCED CONCRETE 6-INCH REQ'D

M-67-01
1 - CPRC 72-INCH EXTENSION
2 - CPRC 48-INCH EXTENSIONS

R/L DRIVEWAY

TLE

PLE

SLOPE INTERCEPT

PROPOSED R/W

EXISTING R/W

REMOVING CURB & GUTTER

MATCH LINE STA 285+00

MATCH LINE STA 291+00

285

286

287

288

289

290

WAUKESHA BYPASS

STA 288+68.48 BYPASS =
STA 50+00.00 DRIVEWAY

R/L WAUKESHA BYPASS

CAUTION

BM 719

27'

17'

MEADOWBROOK MARKET PLACE, LLC

X = CLEARING & GRUBBING

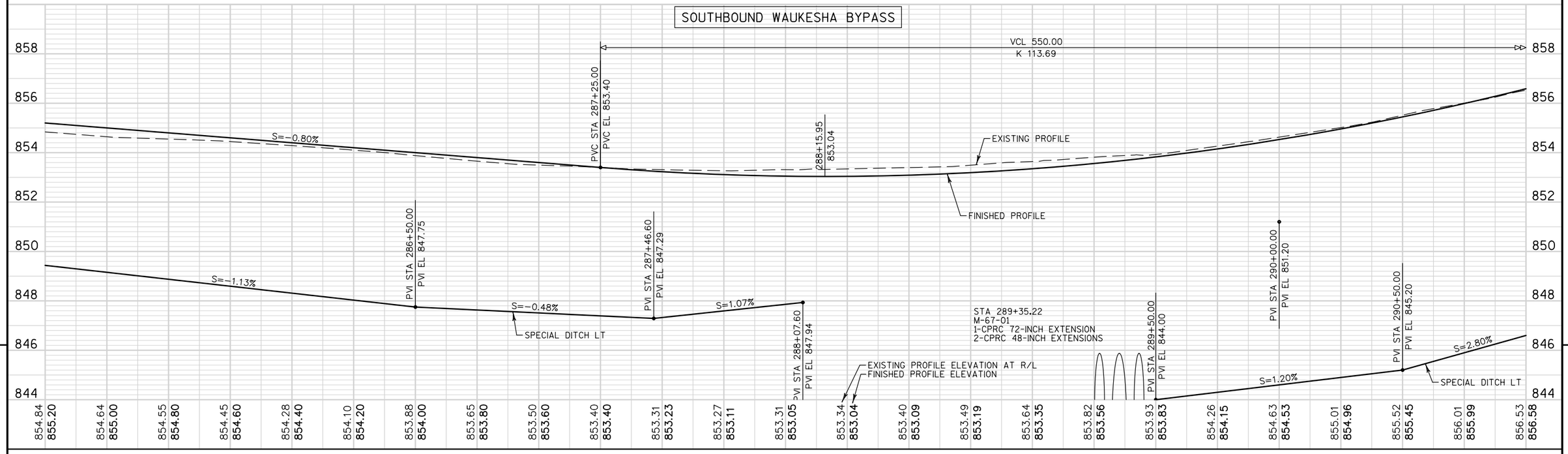
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
719	288+66.00 RT	TOP WEST SIDE OF WESTERN LIGHT	858.80
		POLE IN MEDIAN TO McDONALD'S JUST	
		NORTH OF STH 18; EAST OC CTH TT	

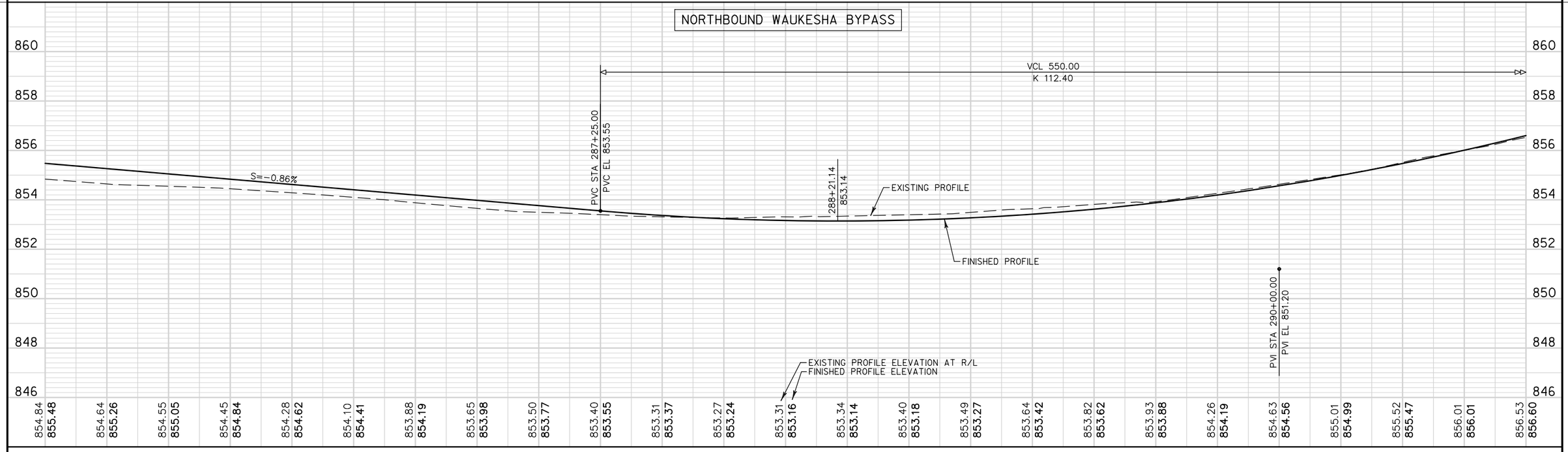
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050103-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS



NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050104-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

FAITH BAPTIST CHURCH INC

REMOVE APRON ENDWALL AND CONNECT
TO EXISTING PIPE UNDERDRAIN
62' PIPE UNDERDRAIN WRAPPED
6-INCH AT 2% SLOPE
1-APRON ENDWALLS FOR UNDERDRAIN
REINFORCED CONCRETE 6-INCH REQ'D

N

SLOPE INTERCEPT

TLE

R/W

TLE

R/W

TLE

R/W

EXISTING R/W

MATCH LINE STA 291+00

291

292

293

294

295

296

MATCH LINE STA 297+00

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

SLOPE INTERCEPT

C-67-89

INSTALL BID ITEM "FENCE
CHAIN LINK 4-FT" PLACE
DIRECTLY BEHIND WING
WALLS AND HEAD WALL

EXISTING R/W

EXISTING R/W

OWNER'S OF LOTS IN ROLLING

MEADOWBROOK MARKET PLACE, LLC

X = CLEARING & GRUBBING

MEADOWBROOK MARKET PLACE, LLC

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050105-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

NORTHBOUND WAUKESHA BYPASS

882 880 878 876 874 872 870 868 866 864 862 860 858 856 854 852 850 848

VCL 550.00
K 112.40

PVT STA 292+75.00
PVT EL 862.30

S=4.04%

FINISHED PROFILE

EXISTING PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

291+00	291+50	292+00	292+50	293+00	293+50	294+00	294+50	295+00	295+50	296+00	296+50	297+00
856.53 / **856.60**	857.03 / **857.25**	857.63 / **857.95**	858.25 / **858.71**	859.00 / **859.53**	859.95 / **860.40**	860.90 / **861.32**	861.74 / **862.30**	862.52 / **863.31**	863.46 / **864.32**	864.44 / **865.33**	865.46 / **866.34**	866.52 / **867.35**	867.56 / **868.36**	868.51 / **869.37**	869.34 / **870.38**	870.30 / **871.39**	871.29 / **872.40**	872.33 / **873.41**	873.40 / **874.42**	874.36 / **875.43**	875.31 / **876.44**	876.40 / **877.45**	877.37 / **878.45**	878.37 / **879.46**

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

SOUTHBOUND WAUKESHA BYPASS

880 878 876 874 872 870 868 866 864 862 860 858 856 854 852 850 848 846

VCL 550.00
K 113.69

PVT STA 292+75.00
PVT EL 862.30

FINISHED PROFILE

EXISTING PROFILE

S=4.04%

PVI STA 297+00.00
PVI EL 863.75

PVI STA 295+50.00
PVI EL 860.00

S=2.50%

S=0.60%

SPECIAL DITCH LT

PVI STA 293+00.00
PVI EL 858.50

S=3.00%

PVI STA 292+00.00
PVI EL 855.50

S=15.00%

PVI STA 291+50.00
PVI EL 848.00

S=2.80%

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

856.53	857.03	857.63	858.25	859.00	859.95	860.90	861.74	862.52	863.46	864.44	865.46	866.52	867.56	868.51	869.34	870.30	871.29	872.33	873.40	874.36	875.31	876.40	877.37	878.37
856.58	**857.24**	**857.94**	**858.71**	**859.52**	**860.39**	**861.32**	**862.30**	**863.31**	**864.32**	**865.33**	**866.34**	**867.35**	**868.36**	**869.37**	**870.38**	**871.39**	**872.40**	**873.41**	**874.42**	**875.43**	**876.44**	**877.45**	**878.46**	**879.46**

291+00 291+50 292+00 292+50 293+00 293+50 294+00 294+50 295+00 295+50 296+00 296+50 297+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050106b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

T 7 N
31 | 32
31 | 32
R 19 E

EXISTING CONCRETE MONUMENT W/ BRASS CAP,
SEE SECTION CORNER MONUMENTS SPECIAL
FOR REQUIREMENTS
Y = 165935.99
X = 668742.80

PRIVATE STORMWATER POND

PRIVATE STORMWATER POND

WAUKESHA MEMORIAL HOSPITAL INC

REMOVE APRON ENDWALL AND CONNECT
TO EXISTING PIPE UNDERDRAIN
68' PIPE UNDERDRAIN WRAPPED
6-INCH AT 2% SLOPE
1-APRON ENDWALLS FOR UNDERDRAIN
REINFORCED CONCRETE 6-INCH REQ'D

SLOPE INTERCEPT

TLE
R/W
TLE
R/W
M/R/W

EXISTING R/W
EXISTING R/W

MATCH LINE STA 297+00

297
298
299
300
301
302
303

MATCH LINE STA 303+00

8' 5'
8'
12'
12'
4'
22'
4'
12'
14'
6'
7'

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

SLOPE INTERCEPT

BM 718

EXISTING R/W
EXISTING R/W

OWNER'S OF
LOT IN ROLLING

THE LODGE LLC &
BRYCE P. STYZA

X = CLEARING & GRUBBING

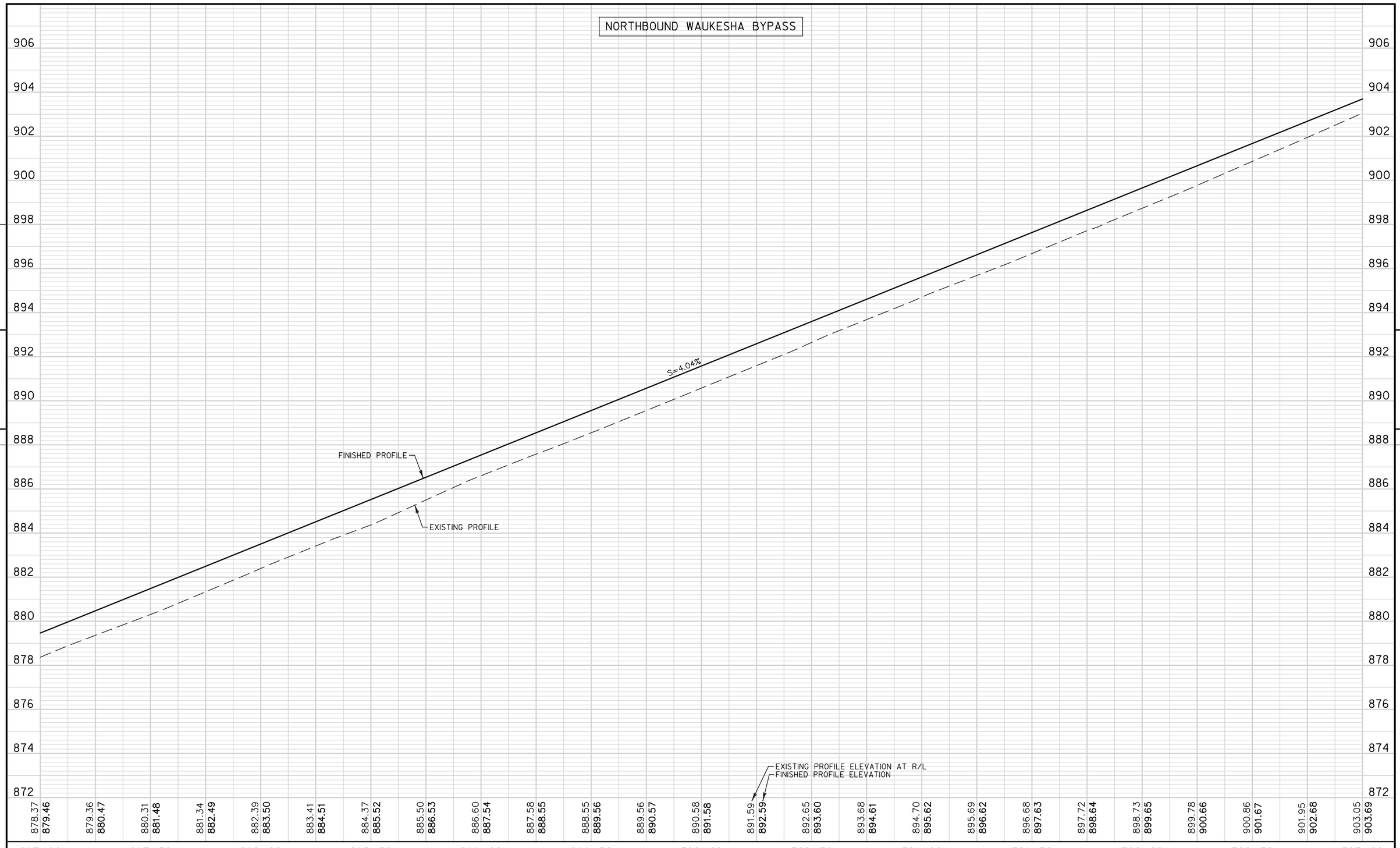
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
718	297+48.96 RT	TOP OF 12 INCH CONCRETE CULVERT ON	878.99
		EAST SIDE OF CTH TT; JUST SW OF	
		"TH LODGE APARTMENTS", SOUTH OF	
		COLDWATER CREEK DR.	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050107-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

NORTHBOUND WAUKESHA BYPASS

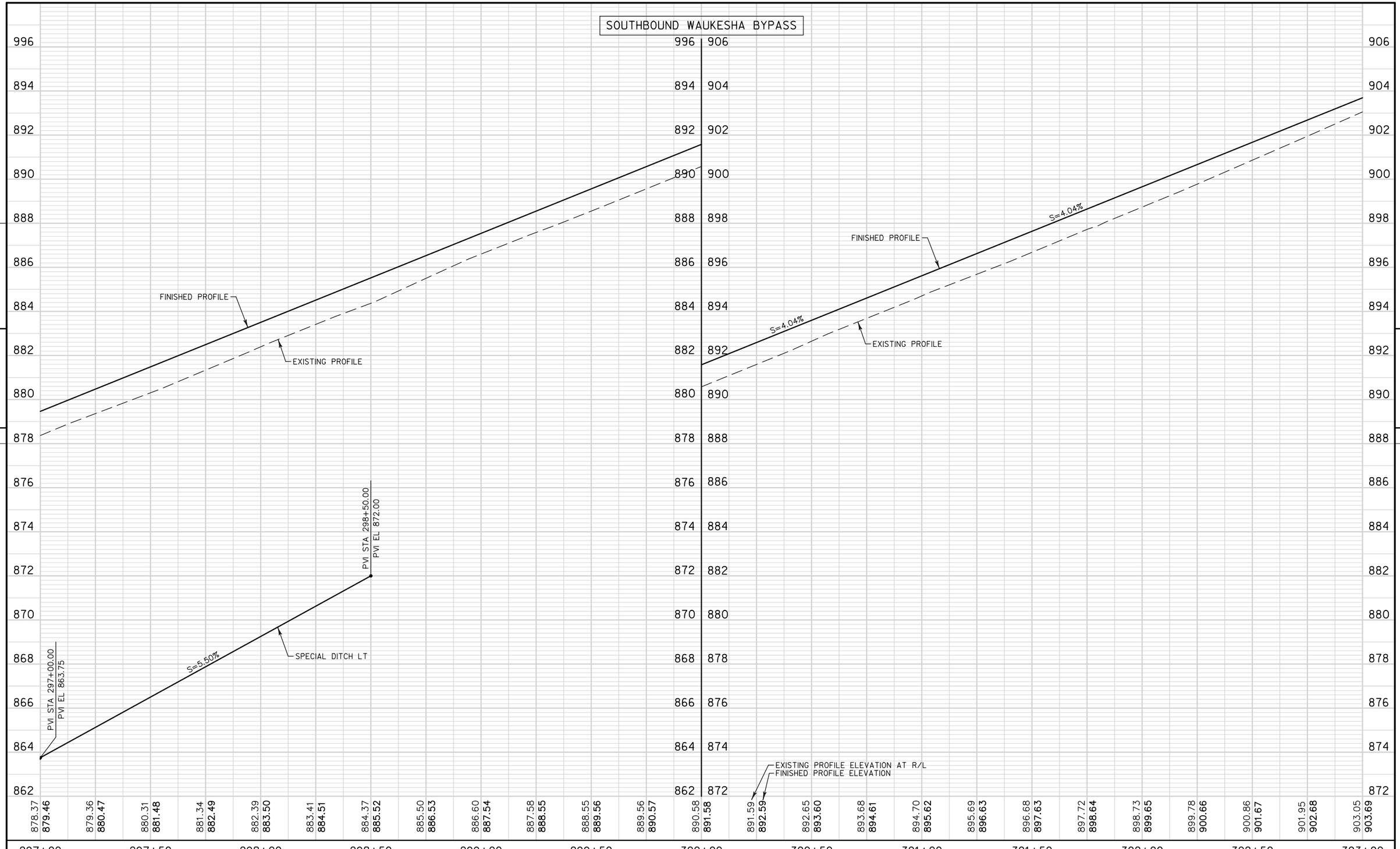


5

5

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

SOUTHBOUND WAUKESHA BYPASS



5

5

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050108b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

WAUKESHA MEMORIAL HOSPITAL INC

ROBERT F SMART & C O SMART

N

COLDWATER CREEK DR

REMOVING CURB & GUTTER

R/L COLDWATER CREEK DR

SLOPE INTERCEPT

EXISTING R/W

TLE

R/W

MATCH LINE STA 303+00

MATCH LINE STA 309+00

STA 305+23.27 BYPASS = STA 50+00.00 COLDWATER CREEK DRIVE

STA 305+24.03 BYPASS = STA 50+00.00 COLDWATER CREEK DRIVE

WAUKESHA BYPASS

303 304 305 306 307 308

12' 12' 12' 60' 28' 4'

5' 8' 12' 12' 4' 10' 12' 4' 12' 12' 5' 12'

5' 7' 12' 5' 12' 12' 4' 12' 10' 4' 12' 14' 6' 2'

CAUTION

BM 717

R/L WAUKESHA BYPASS

THE LODGE LLC & BRYCE P. STYZA

MK/S-EP LLC

MATT K NEUMANN

= CLEARING & GRUBBING

PETER & CARMEN M GULCZYSKI

CHRISTIAN J MONAHAN

WILLIAM RYAN HOMES WIS INC

OWNER'S OF LOTS IN ROLLING

BENCH MARKS

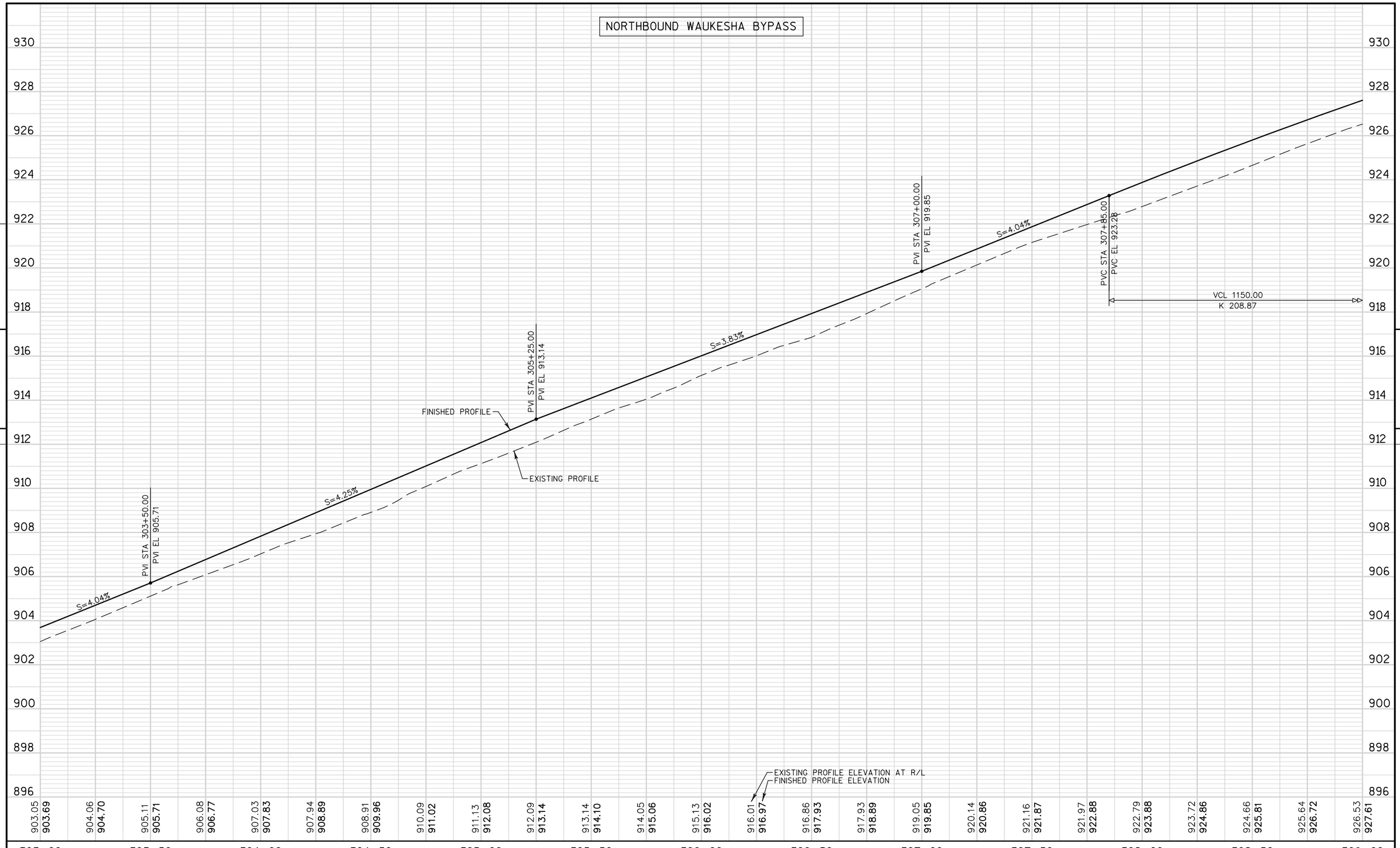
NO.	STATION	DESCRIPTION	ELEV.
717	304+82.53 RT	UPPER SSE BOLT ON HYDRANT AT SE QUADRANT OF COLDWATER CREEK DR AND CTH TT	914.77

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050109-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

NORTHBOUND WAUKESHA BYPASS



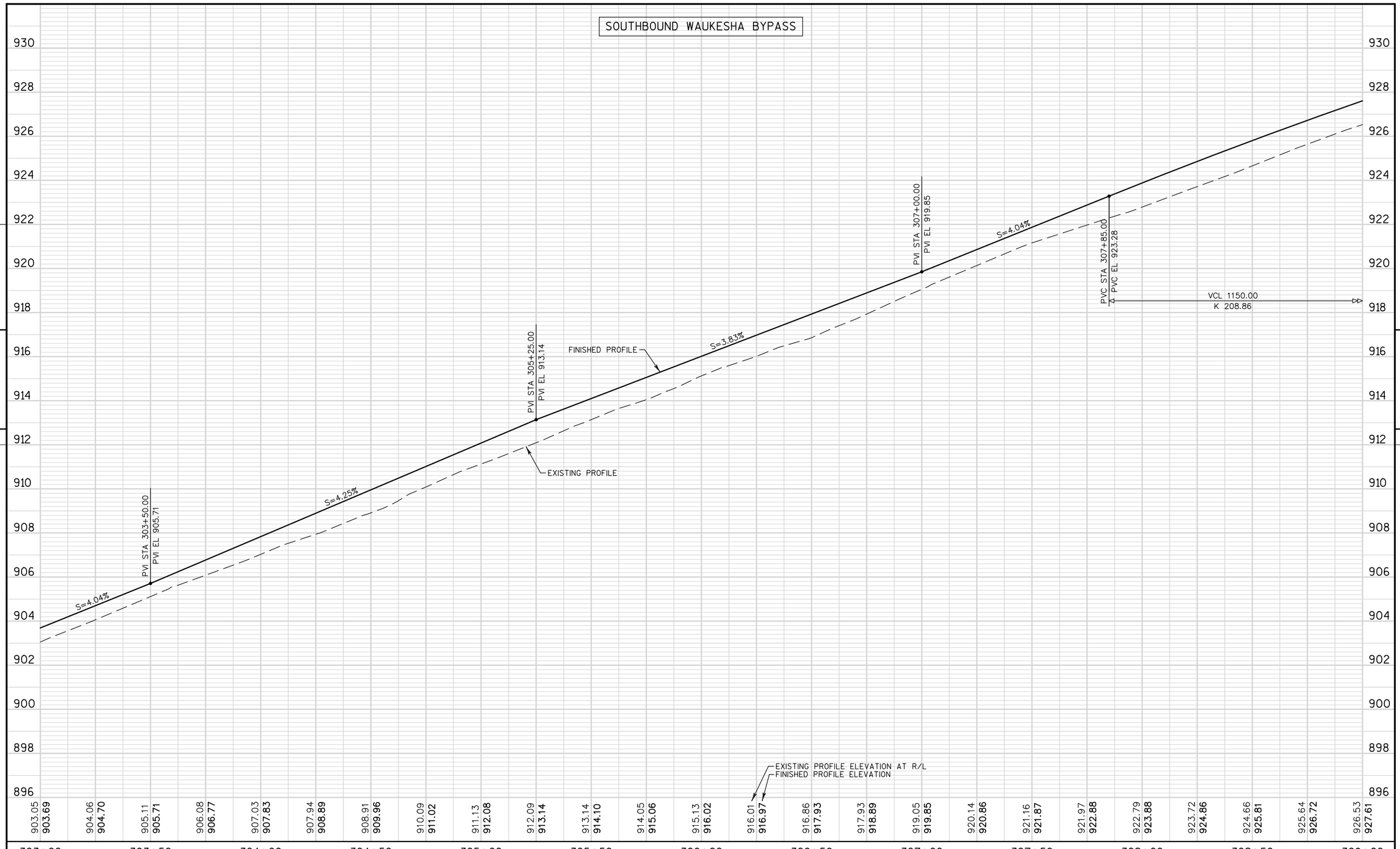
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5

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050110a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS



5

5

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
716	310+08.91 RT	UPPER SE BOLT ON 1st HYDRANT	930.32
		NORTH OF COLDWATER CREEK DR;	
		EAST SIDE OF CTH TT	

ROBERT F SMART & C O SMART

N

SLOPE INTERCEPT

R/W

R/W

R/W

TLE

TLE

EXISTING R/W

EXISTING R/W

MATCH LINE STA 309+00

MATCH LINE STA 315+00

5'
8'
12'
4'
22'
4'
12'
14'
6'
2'

309
310
311
312
313
314

WAUKESHA BYPASS

SLOPE INTERCEPT

BM 716

R/L WAUKESHA BYPASS

TV

W

E

EXISTING R/W

EXISTING R/W

X = CLEARING & GRUBBING

CHRISTIAN J MONAHAN

HARMONY HOMES INC

SHREYA SHAH

YONG BIN KIM & SAMANTHA VANG

ARUN KUMAR NATESAN & KAVYA CHANDRAMOULI KOUSHIK

GLENN A & ELEEN P SMILEY

VIJAY C APPALARAJU & SRUJANA L KONKALA

THOMAS & TINA SENTOSA

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050111-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

NORTHBOUND WAUKESHA BYPASS

PVI STA 313+60.00
PVI EL 946.50

950 948 946 944 942 940 938 936 934 932 930 928 926 924 922 920 918 916

FINISHED PROFILE

EXISTING PROFILE

VCL 1150.00
K 208.87

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

309+00	309+50	310+00	310+50	311+00	311+50	312+00	312+50	313+00	313+50	314+00	314+50	315+00
926.53 **927.61**	927.33 **928.47**	928.05 **929.29**	928.88 **930.09**	929.66 **930.86**	930.43 **931.59**	931.17 **932.30**	931.84 **932.98**	932.43 **933.63**	933.05 **934.24**	933.70 **934.83**	934.29 **935.39**	934.79 **935.92**	935.30 **936.41**	935.85 **936.88**	936.30 **937.32**	936.74 **937.73**	937.07 **938.11**	937.49 **938.45**	937.82 **938.77**	938.14 **939.06**	938.37 **939.32**	938.57 **939.55**	938.77 **939.75**	938.93 **939.92**

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

SOUTHBOUND WAUKESHA BYPASS

950 948 946 944 942 940 938 936 934 932 930 928 926 924 922 920 918 916

PVI STA 313+60.00
PVI EL 946.50

FINISHED PROFILE

EXISTING PROFILE

VCL 1150.00
K 208.86

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

926.53	927.33	928.05	928.88	929.66	930.43	931.17	931.84	932.43	933.05	933.70	934.29	934.79	935.30	935.85	936.30	936.74	937.07	937.49	937.82	938.14	938.37	938.57	938.77	938.93
927.61	**928.47**	**929.29**	**930.09**	**930.86**	**931.59**	**932.30**	**932.98**	**933.63**	**934.24**	**934.83**	**935.39**	**935.92**	**936.41**	**936.88**	**937.32**	**937.73**	**938.11**	**938.45**	**938.77**	**939.06**	**939.32**	**939.55**	**939.75**	**939.91**

309+00 309+50 310+00 310+50 311+00 311+50 312+00 312+50 313+00 313+50 314+00 314+50 315+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

ROBERT F SMART & C O SMART

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
714	315+48.78 LT	UPPER SE BOLT ON 2nd HYDRANT	940.54
		NORTH OF COLDWATER CREEK DR;	
		EAST SIDE OF CTH TT	

N

TLE

R/W

SLOPE INTERCEPT

R/W

REMOVE APRON ENDWALL AND CONNECT
TO EXISTING PIPE UNDERDRAIN
58'PIPE UNDERDRAIN WRAPPED
6-INCH AT 2% SLOPE
1-APRON ENDWALLS FOR UNDERDRAIN
REINFORCED CONCRETE 6-INCH REQ'D

R/W

EXISTING R/W

EXISTING R/W

5'
8'
8'
12'
12'
4'

316 317 318 319 320

WAUKESHA BYPASS

4'
12'
14'
6'
2'

MATCH LINE STA 315+00

MATCH LINE STA 321+00

SLOPE INTERCEPT

BM 714

R/L WAUKESHA BYPASS

EXISTING R/W

EXISTING R/W

X = CLEARING & GRUBBING

THOMAS & TINA SENTOSA

DARRIN J & LISA A HANNEMANN

THOMAS J & MARINA T HECK

RICHARD J & RENEE B KAPUSNIAK

ROY W & SHELLY L SPIELMANN

DWAYNE A LATZKE

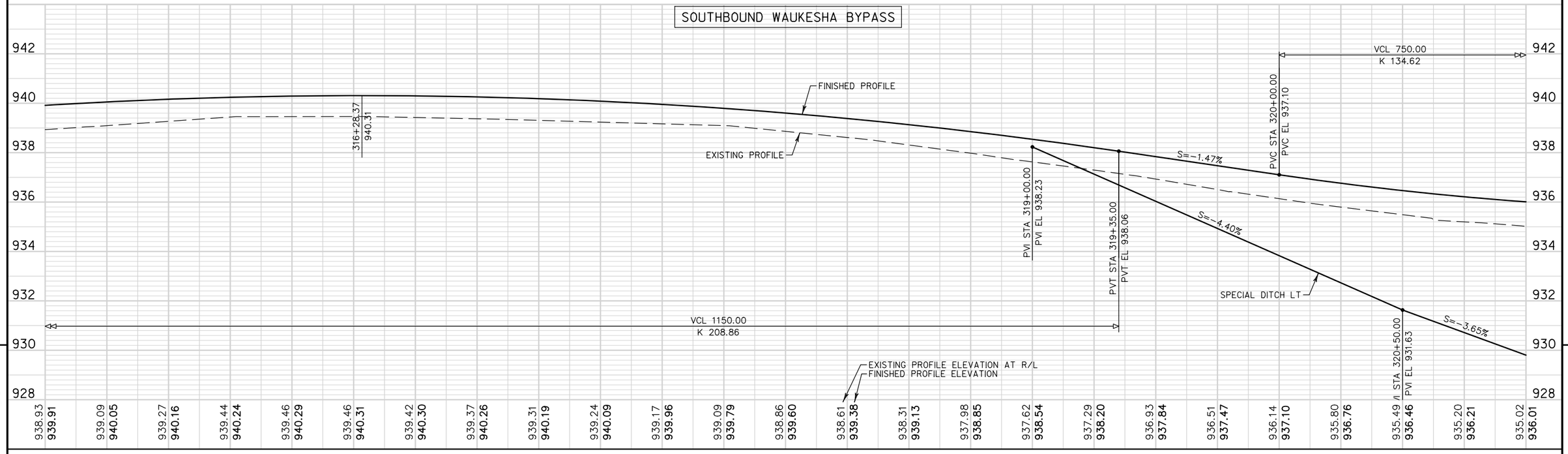
BRIAN T & KIM M WENCKA

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

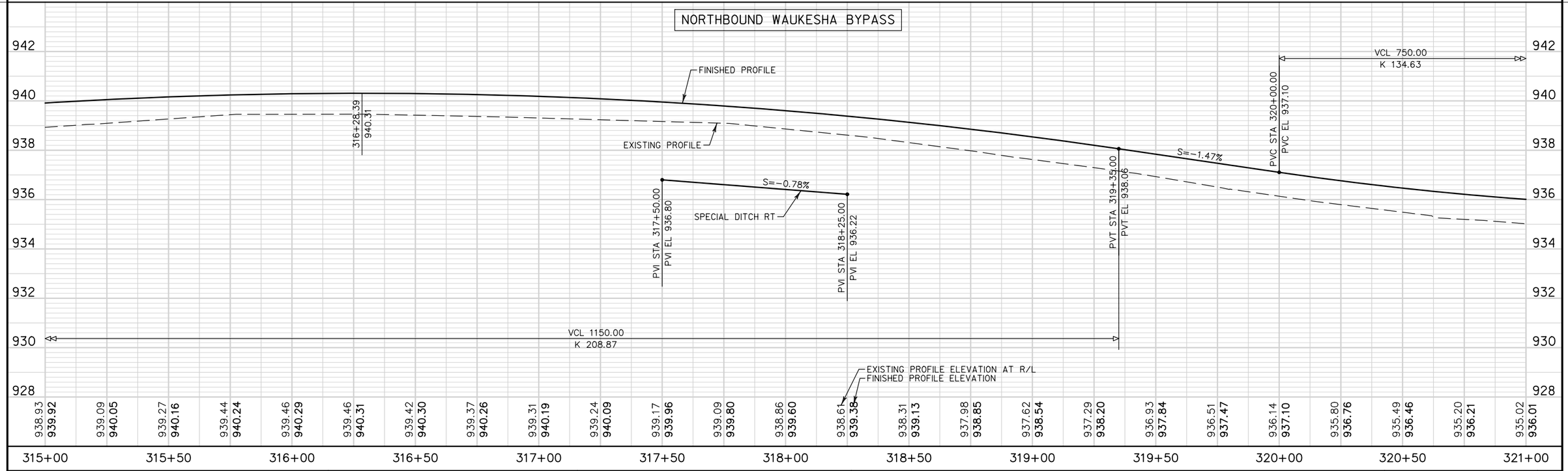
FILE NAME : FD_050113-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

SOUTHBOUND WAUKESHA BYPASS



NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050114-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

ROBERT F SMART & C O SMART

JOHN & PATRICIA DURHAM

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
713	321+46.15 RT	UPPER SE BOLT ON 3rd HYDRANT	935.82
		NORTH OF COLDWATER CREEK DR;	
		EAST SIDE OF CTH TT	

T 7 N
30 29
31 32
R 19 E

EXISTING CONCRETE MONUMENT
W/BRASS CAP, SEE SECTION CORNER
MONUMENTS SPECIAL FOR REQUIREMENTS
Y = 168619.82
X = 668743.61

N

REMOVE APRON ENDWALL AND CONNECT
TO EXISTING PIPE UNDERDRAIN
73' PIPE UNDERDRAIN WRAPPED
6-INCH AT 2% SLOPE
1-APRON ENDWALLS FOR UNDERDRAIN
REINFORCED CONCRETE 6-INCH REQ'D

MICHAEL &
L A NEWMAN

SLOPE INTERCEPT

TLE

R/W

EXISTING R/W

RECONSTRUCT
SANITARY
MANHOLE

MH

SAN

5'
8'
8'
12'
12'
4'
22'
4'
12'
14'
6'
2'

MATCH LINE STA 321+00

321 322 323 324 325 326 327

MATCH LINE STA 327+00

WAUKESHA BYPASS

SLOPE INTERCEPT

REMOVING GUARDRAIL

R/L WAUKESHA BYPASS

BM 713

MH

W

TV

T

E

EXISTING R/W

X = CLEARING & GRUBBING

PRE-PAVING TELEVISING
SANITARY MAIN LINE

BRIAN T &
KIM M WENCKA

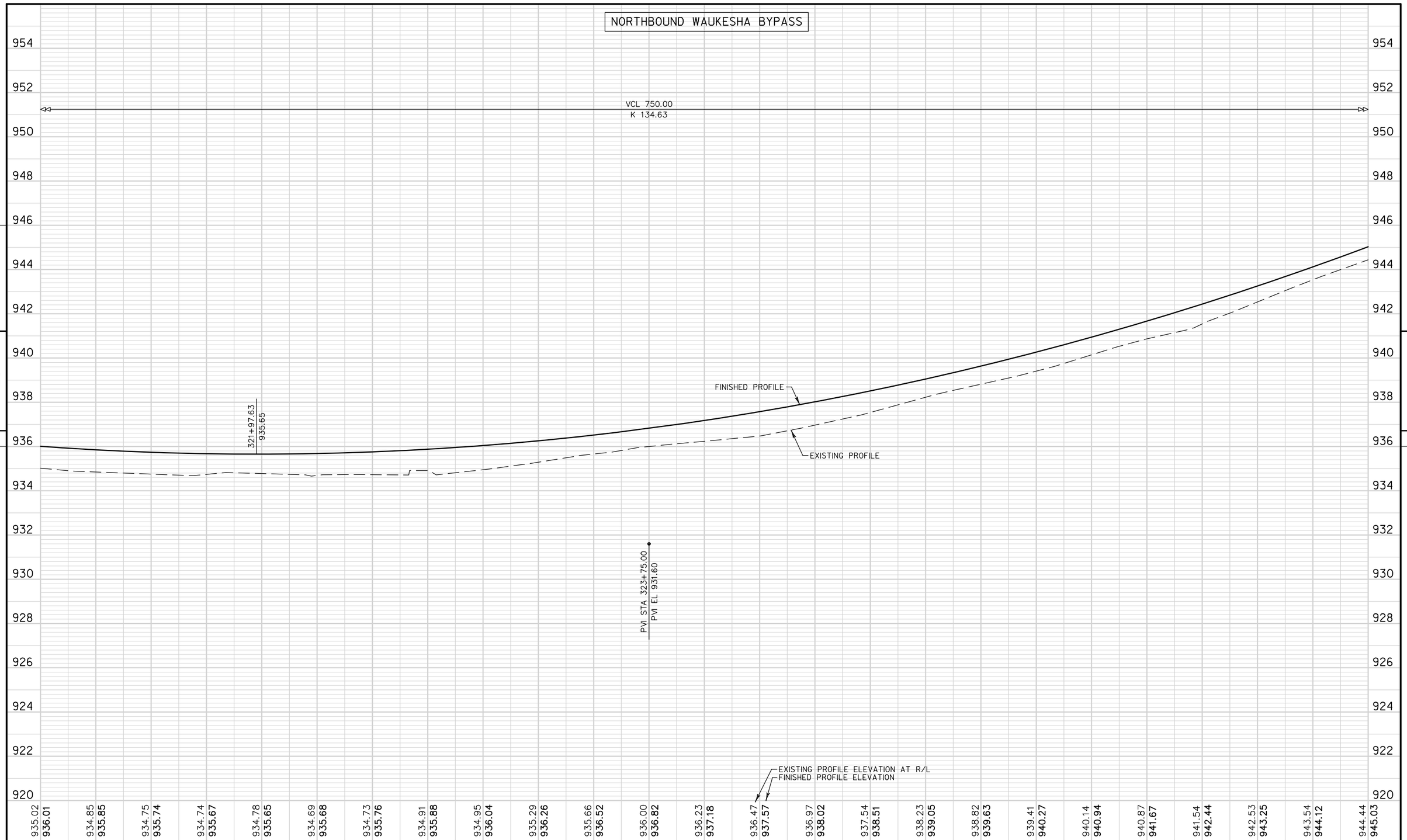
DAVID W & MARIA A WILLS

OWNERS OF LOTS IN ROLLING

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050115-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

NORTHBOUND WAUKESHA BYPASS



5

5

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050116a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS

954 952 950 948 946 944 942 940 938 936 934 932 930 928 926 924 922 920

VCL 750.00
K 134.62

FINISHED PROFILE

EXISTING PROFILE

321+97.64
935.65

S=-3.65%

PVI STA 322+00.00
PVI EL 926.15

S=-2.35%

PVI STA 323+00.00
PVI EL 923.80

STA 323+11.53
1-48" CPRC EXTENSION
1-AEW REQ'D

S=0.60%

PVI STA 323+50.00
PVI EL 924.10

PVI STA 323+75.00
PVI EL 931.60

S=2.90%

PVI STA 324+50.00
PVI EL 927.00

S=0.60%

PVI STA 325+00.00
PVI EL 927.30

SPECIAL DITCH LT

S=1.40%

PVI STA 325+50.00
PVI EL 928.00

S=3.80%

PVI STA 326+00.00
PVI EL 929.90

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

935.02	934.85	934.75	934.74	934.78	934.69	934.73	934.91	934.95	935.29	935.66	936.00	936.23	936.47	936.97	937.54	938.23	938.82	939.41	940.14	940.87	941.54	942.53	943.54	944.44
936.01	**935.85**	**935.74**	**935.67**	**935.65**	**935.68**	**935.76**	**935.88**	**936.04**	**936.26**	**936.52**	**936.82**	**937.17**	**937.57**	**938.02**	**938.51**	**939.05**	**939.63**	**940.26**	**940.94**	**941.67**	**942.44**	**943.25**	**944.12**	**945.03**

321+00 321+50 322+00 322+50 323+00 323+50 324+00 324+50 325+00 325+50 326+00 326+50 327+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET **E**

FILE NAME : FD_050116b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

MICHAEL & L A NEWMAN

DEBRA E BAKER

RANDAL & LORA JENDRUSIAK

MARK & DEBRA KUSCH

N

SLOPE INTERCEPT

TLE

TLE

TLE

EXISTING R/W

EXISTING R/W

5'
8'
8'
12'
12'
4'

MATCH LINE STA 327+00

327

328

329

330

331

332

MATCH LINE STA 333+00

WAUKESHA BYPASS

22'
4'
12'
14'
6'
2'

REMOVING GUARDRAIL

BM 712

SLOPE INTERCEPT

R/L WAUKESHA BYPASS

EXISTING R/W

TLE

TLE

EXISTING R/W

TLE

R/W

X = CLEARING & GRUBBING

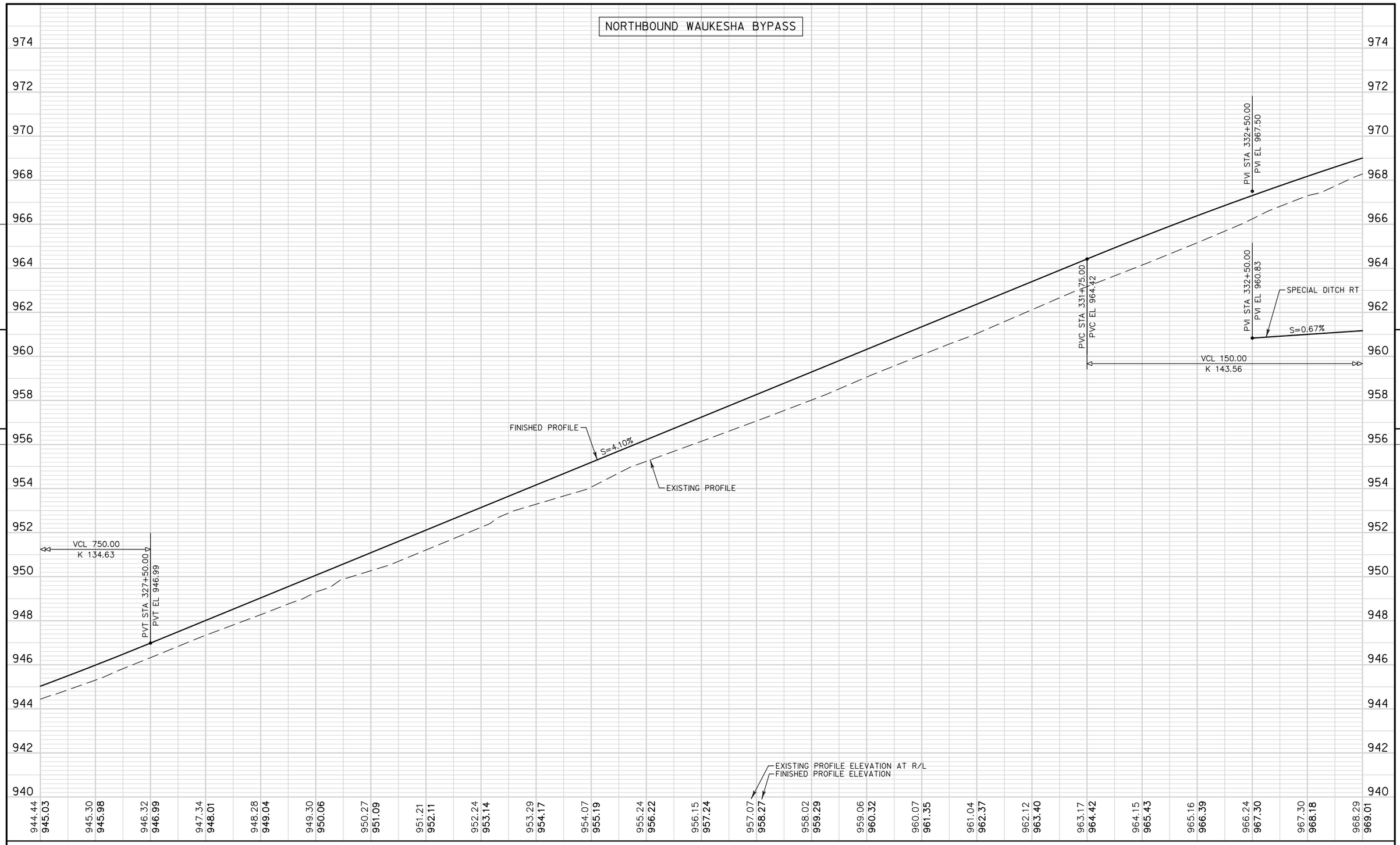
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
712	327+32.60 RT	UPPER SE BOLT ON 2nd HYDRANT	946.02
		SOUTH OF NORTHVIEW RD;	
		EAST SIDE OF CTH TT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050117-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

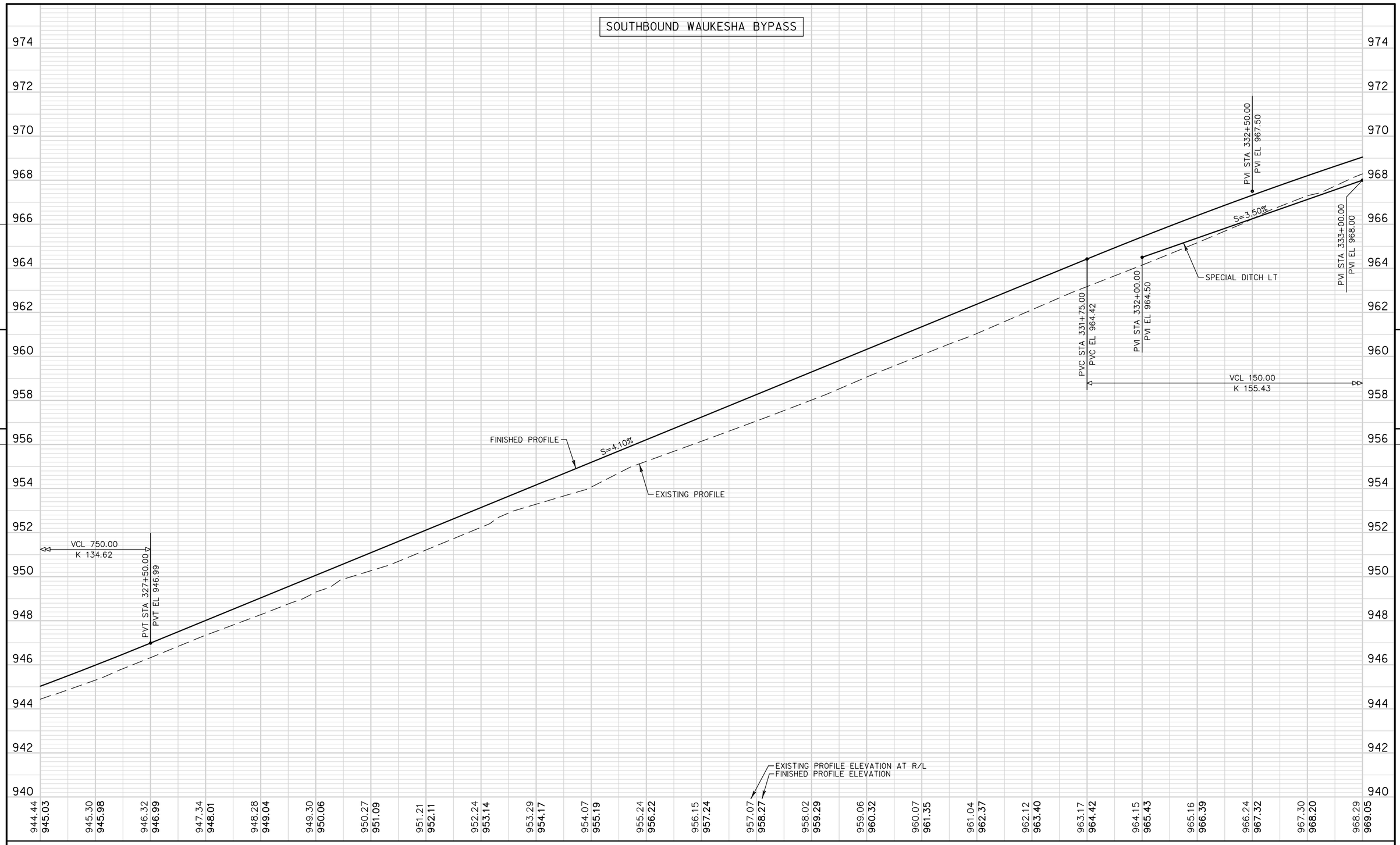
NORTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

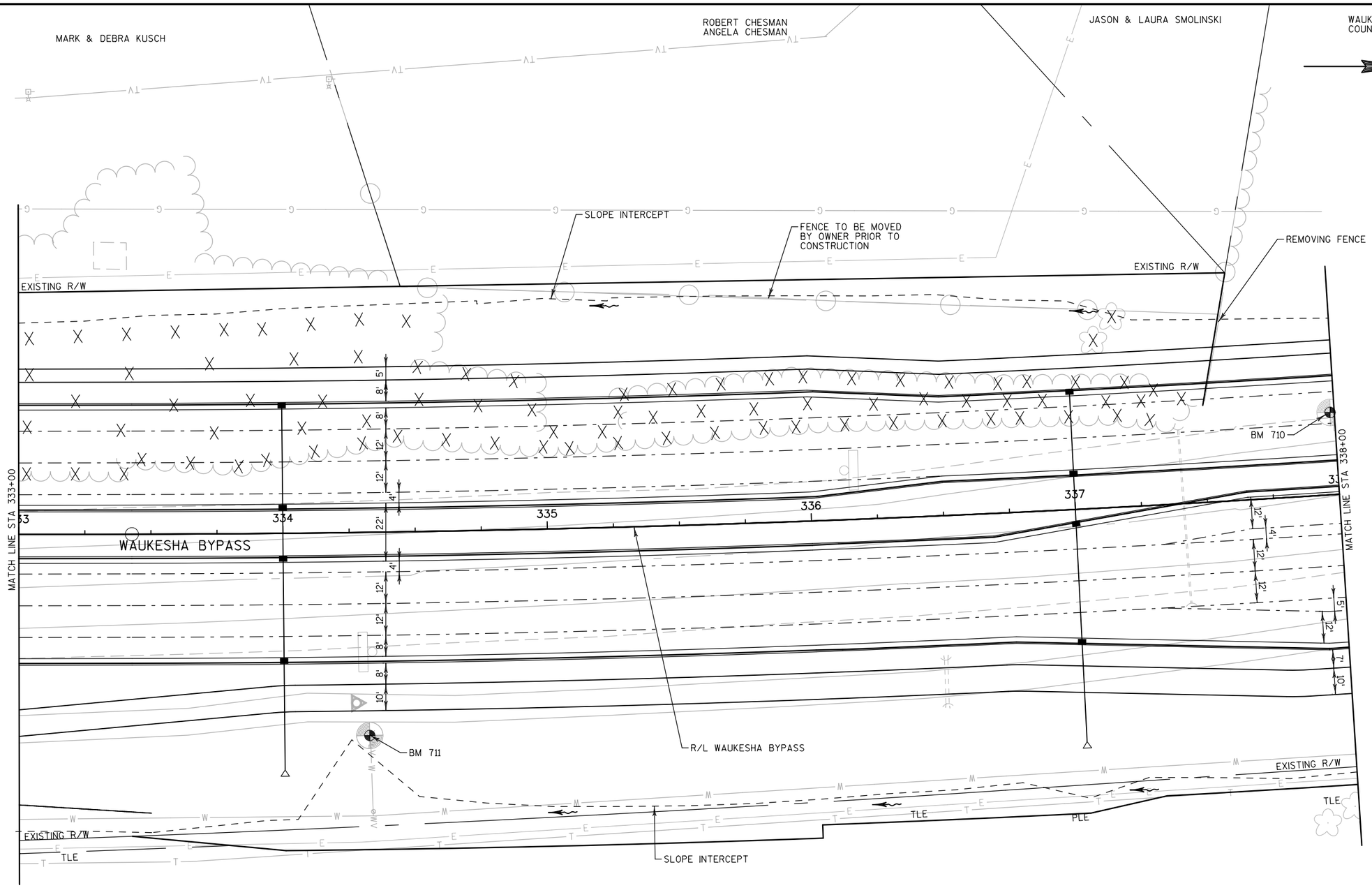
FILE NAME : FD_050118a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050118b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1



X = CLEARING & GRUBBING

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
711	334+31.74 RT	UPPER SE BOLT ON 1st HYDRANT	973.00
		SOUTH OF NORTHVIEW RD;	
		EAST SIDE OF CTH TT	

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
710	337+98.48 LT	RAILROAD SPIKE SET IN EAST FACE OF	982.99
		194 SIGN SOUTH OF NORTHVIEW RD;	
		WEST SIDE OF CTH TT	

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050119-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

NORTHBOUND WAUKESHA BYPASS

992
990
988
986
984
982
980
978
976
974
972
970
968
966
964
962
960
958

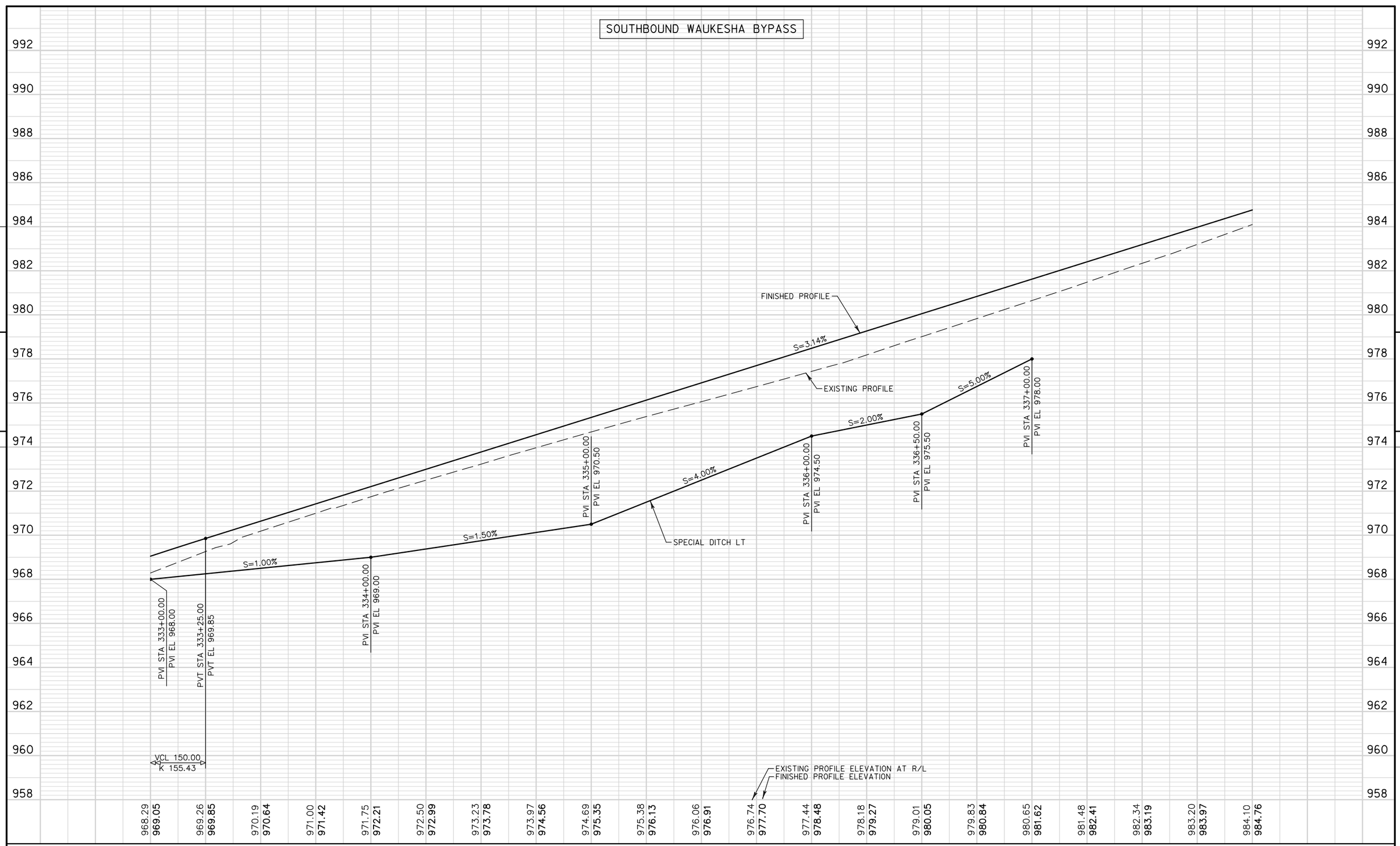
FINISHED PROFILE
S=3.06%
EXISTING PROFILE
PVT STA 333+25.00
PVT EL 969.79
PVI STA 333+50.00
PVI EL 961.50
VCL 150.00
K 143.56
SPECIAL DITCH RT
EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

333+00	333+50	334+00	334+50	335+00	335+50	336+00	336+50	337+00	337+50	338+00
968.29 / **969.01**	969.26 / **969.79**	970.19 / **970.56**	971.00 / **971.32**	971.75 / **972.09**	972.50 / **972.85**	973.23 / **973.62**	973.97 / **974.38**	974.69 / **975.14**	975.38 / **975.91**	976.06 / **976.67**	976.74 / **977.44**	977.44 / **978.20**	978.18 / **978.97**	979.01 / **979.73**	979.83 / **980.50**	980.65 / **981.26**	981.48 / **982.03**	982.34 / **982.79**	983.20 / **983.55**	984.10 / **984.32**

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050120a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050120b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

EXISTING R/W

WAUKESHA COUNTY
COUNTY TREASURE

NORTHVIEW RD

RONALD & PATRICIA SENNOTT

CITY OF WAUKESHA WATER UTILITY

N

STA 340+51.62 BYPASS =
STA 50+00.00 NORTHVIEW ROAD

REMOVING
CURB & GUTTER

SLOPE INTERCEPT

BM 710

BM 709

EXISTING R/W

CAUTION

MATCH LINE STA 338+00

339

340

341

342

343

WAUKESHA BYPASS

REMOVING
CURB &
GUTTER

EXISTING R/W

R/W

TLE

SLOPE INTERCEPT

R/L WAUKESHA BYPASS

REMOVING
CURB & GUTTER

R/L NORTHVIEW ROAD

END PROJECT ID 2788-00-72
BEGIN CITY OF WAUKESHA PROJECT
(BY OTHERS)
STA 342+31.74

CITY OF WAUKESHA

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
710	337+98.48 LT	RAILROAD SPIKE SET IN EAST FACE OF	982.99
		194 SIGN SOUTH OF NORTHVIEW RD;	
		WEST SIDE OF CTH TT	

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
709	343+67.82 LT	CHISEL X ON SW TOP OF 1st HYDRANT	994.71
		NORTH OF NORTHVIEW RD.	
		ON WEST SIDE OF CTH TT	

X = CLEARING & GRUBBING

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

NORTHBOUND WAUKESHA BYPASS

1004
1002
1000
998
996
994
992
990
988
986
984
982
980
978
976
974
972
970

PVI STA 342+50.00
PVI EL 998.08

END PROJECT ID 2788-00-72
BEGIN CITY OF WAUKESHA PROJECT
(BY OTHERS)
STA 342+31.74

EXISTING PROFILE

FINISHED PROFILE

341+92.53
991.47

S=3.06%

PVC STA 338+75.00
PVC EL 986.61

VCL 750.00
K 103.84

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

984.10	984.94	985.77	986.52	987.36	988.10	988.72	989.19	989.74	990.52	991.22	991.17	990.99	991.29	991.87	992.27	992.55	992.67	992.57	992.41	992.15	991.89	991.79	991.43	990.88
984.32	**985.08**	**985.85**	**986.61**	**987.35**	**988.02**	**988.64**	**989.19**	**989.68**	**990.12**	**990.49**	**990.80**	**991.06**	**991.25**	**991.38**	**991.45**	**991.46**	**991.42**	**991.31**	**991.14**	**990.91**	**990.62**	**990.27**	**989.86**	**989.39**

338+00 338+50 339+00 339+50 340+00 340+50 341+00 341+50 342+00 342+50 343+00 343+50 344+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

5

5

FILE NAME : FD_050122a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

SOUTHBOUND WAUKESHA BYPASS

1004
1002
1000
998
996
994
992
990
988
986
984
982
980
978
976
974
972
970

PVI STA 342+50.00
PVI EL 998.88

END PROJECT ID 2788-00-72
BEGIN CITY OF WAUKESHA PROJECT
(BY OTHERS)
STA 342+31.74

FINISHED PROFILE

EXISTING PROFILE

341+91.92
992.09

S=3.14%

PVC STA 338+75.00
PVC EL 987.11

VCL 750.00
K 101.00

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

984.10	984.94	985.77	986.52	987.36	988.10	988.72	989.19	989.74	990.52	991.22	991.17	990.99	991.29	991.87	992.27	992.55	992.67	992.57	992.41	992.15	991.89	991.79	991.43	990.88
984.76	**985.54**	**986.33**	**987.11**	**987.87**	**988.56**	**989.19**	**989.76**	**990.26**	**990.71**	**991.09**	**991.41**	**991.67**	**991.86**	**992.00**	**992.07**	**992.08**	**992.03**	**991.92**	**991.74**	**991.51**	**991.21**	**990.85**	**990.43**	**989.94**

338+00 338+50 339+00 339+50 340+00 340+50 341+00 341+50 342+00 342+50 343+00 343+50 344+00

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

FILE NAME : FD_050122b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

BANK MUTUAL

SLOPE INTERCEPT

R/L FIDDLERS CREEK DR

TLE

EXISTING R/W

FIDDLERS CREEK DR

EXISTING R/W

TLE

PRIVATE UNDERGROUND DETENTION PIPES

SLOPE INTERCEPT

WAUKESHA BYPASS 274

STA 50+00.00 FIDDLERS CREEK DR =
STA 274+57.99 BYPASS

GOOD TIMES DAY CAMP LLC

SLOPE INTERCEPT

R/L DRIVEWAY

TLE

DRIVEWAY 52

2-CPRCHE
CLASS HE-III
19x30 INCH

SLOPE INTERCEPT

R/L WAUKESHA BYPASS

TLE

GOOD TIMES DAY CAMP LLC

BEGIN CONSTRUCTION
STA 42+42.00
MATCH EXISTING
SAW CUT REQ'D

X = CLEARING AND GRUBBING

HEALTH CARE REIT INC

END CONSTRUCTION
STA 51+53.00
MATCH EXISTING
SAW CUT REQ'D

PVI STA 48+42.00
PVI EL 860.40

PVC STA 48+67.00
PVC EL 860.07

VCL 90.00
K 69.57

PVT STA 49+57.00
PVT EL 859.49

PVC STA 50+43.00
PVC EL 859.32

VCL 110.00
K 73.59

PVT STA 51+53.00
PVT EL 857.90

S=-1.29%

EXISTING PROFILE

FINISHED PROFILE

PVI STA 49+12.00
PVI EL 859.49

49+57.00
859.49

EXCEPTION TO VERTICAL PROFILE

PVI STA 50+98.00
PVI EL 858.20

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

| | | |

TARA HILLS CONDOMINIUM

BEGIN CONSTRUCTION
STA 38+50.00
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
STA 42+50.00
MATCH EXISTING
SAW CUT REQ'D

EXISTING R/W

20'

PE

SLOPE INTERCEPT

TLE

PLE

REMOVING
CURB & GUTTER

EXISTING
R/W

TLE

5

USH 18

37 38 39 40 41 42 43

12'
12'
13'
14'
12'
4'
12'
9'
10'
5'

MATCH LINE STA 43+00

MH SS SS SS SS MH

MH MH

EXISTING R/W

VLV

R/L USH 18

SLOPE INTERCEPT

TLE

EXISTING R/W

REMOVING
CURB & GUTTER

PRIVATE
STORMWATER
POND

TLE

WEST RESERVE AT
FIDDLERS CREEK
CONDOMINIUM

X = CLEARING & GRUBBING

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: USH 18	SHEET	E

FILE NAME : FD_050136-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WESTBOUND USH 18

S=-3.23%

PVI STA 42+50.00
PVI EL 854.12

EXISTING PROFILE

FINISHED PROFILE

S=-1.48%

S=-5.77%

S=-4.54%

BEGIN CONSTRUCTION
STA 42+50.00
MATCH EXISTING
SAW CUT REQ'D

PVI STA 42+50.00
PVI EL 853.75

PVI STA 42+75.00
PVI EL 852.68

PVI STA 42+89.42
PVI EL 852.02

SPECIAL SIDEWALK LT

PVI STA 42+50.00
PVI EL 844.68

PVI STA 42+82.46
PVI EL 843.70

S=-3.02%

SPECIAL DITCH LT

FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION AT R/L

856	854	852	850	848	846	844	842

872.70	871.45	870.22	868.96	867.74	866.59	865.44	864.37	863.33	862.33	861.39	860.49	859.63	858.83	858.07	857.41	856.83	856.25	855.70	855.16	854.69	854.40	854.11	853.81	853.51
																						853.75	**853.38**	**853.01**

37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00

EASTBOUND USH 18

PVI STA 40+45.78
PVI EL 850.95

S=3.90%

SPECIAL SIDEWALK RT

PVI STA 41+
PVI EL 85

PVI STA 42+50.00
PVI EL 853.67

EXISTING PROFILE

FINISHED PROFILE

S=-1.18%

BEGIN CONSTRUCTION
STA 42+50.00
MATCH EXISTING
SAW CUT REQ'D

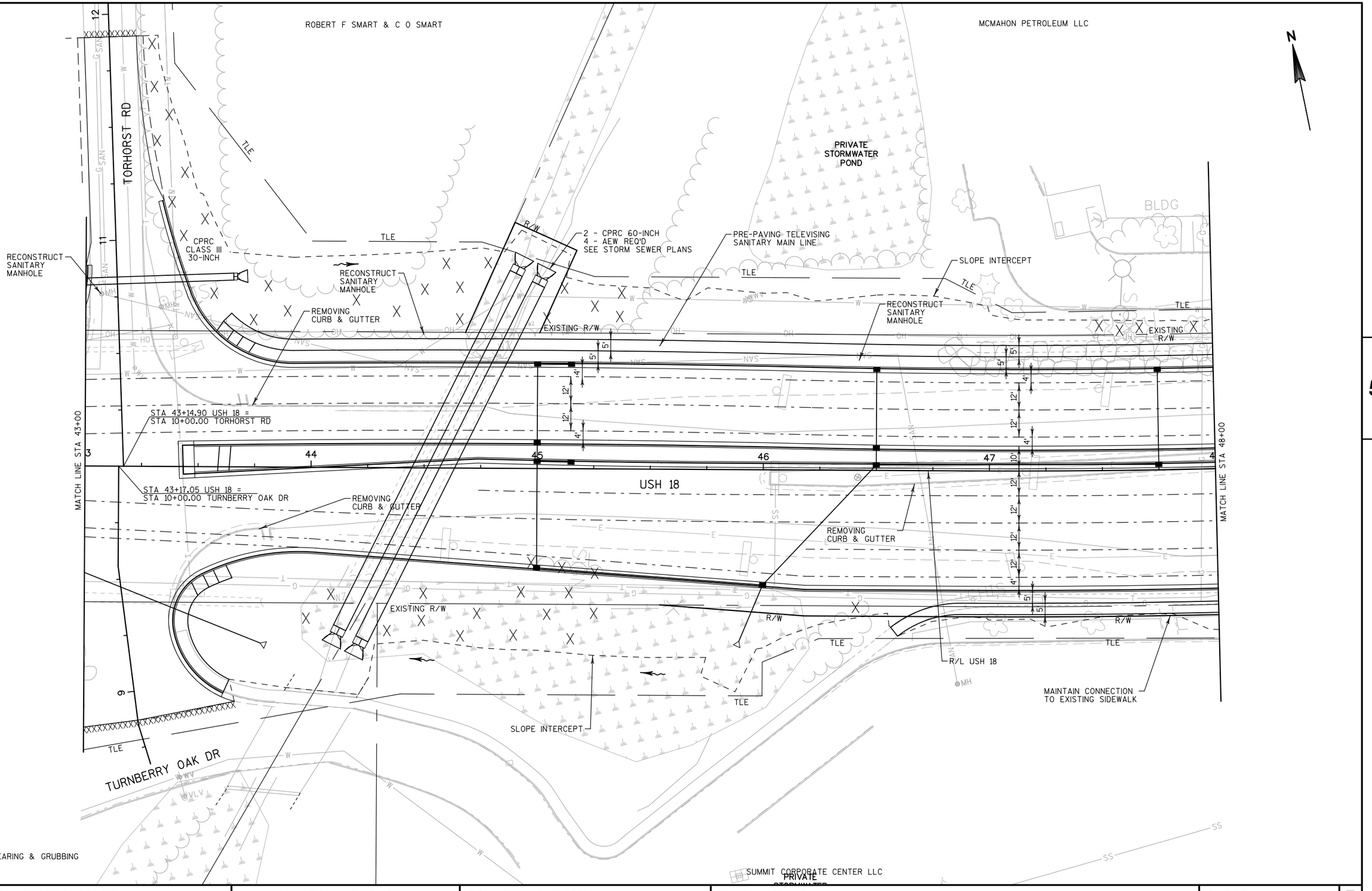
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION AT R/L

856	854	852	850	848	846	844	842

872.70	871.45	870.22	868.96	867.74	866.59	865.44	864.37	863.33	862.33	861.39	860.49	859.63	858.83	858.07	857.41	856.83	856.25	855.70	855.16	854.69	854.40	854.11	853.81	853.51
																						853.67	**853.37**	**853.08**

37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: USH 18	SHEET	E



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: USH 18	SHEET	E

FILE NAME : FD_050138-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

EASTBOUND USH 18

872 870 868 866 864 862 860 858 856 854 852 850 848 846 844 842 840 838

VCL 300.50
K 112.28

PVC STA 43+72.00
PVC EL 852.23

S=-1.18%

45+04.08
851.46

PVI STA 45+22.25
PVI EL 850.47

STA 44+18
2-CPRC 60-INCH
4-AEW REQ'D

EXISTING PROFILE

PVI STA 46+55.31
PVI EL 852.04

PVT STA 46+72.50
PVT EL 852.72

S=5.01%

PVI STA 47+00.00
PVI EL 854.28

S=1.50%

FINISHED PROFILE

SPECIAL SIDEWALK RT

PVI STA 47+50.00
PVI EL 855.14

S=4.01%

PVI STA 47+77.41
PVI EL 856.24

S=1.29%

PVI STA 47+80.50
PVI EL 856.28

3.24%

PVI STA 47+95.00
PVI EL 855.81

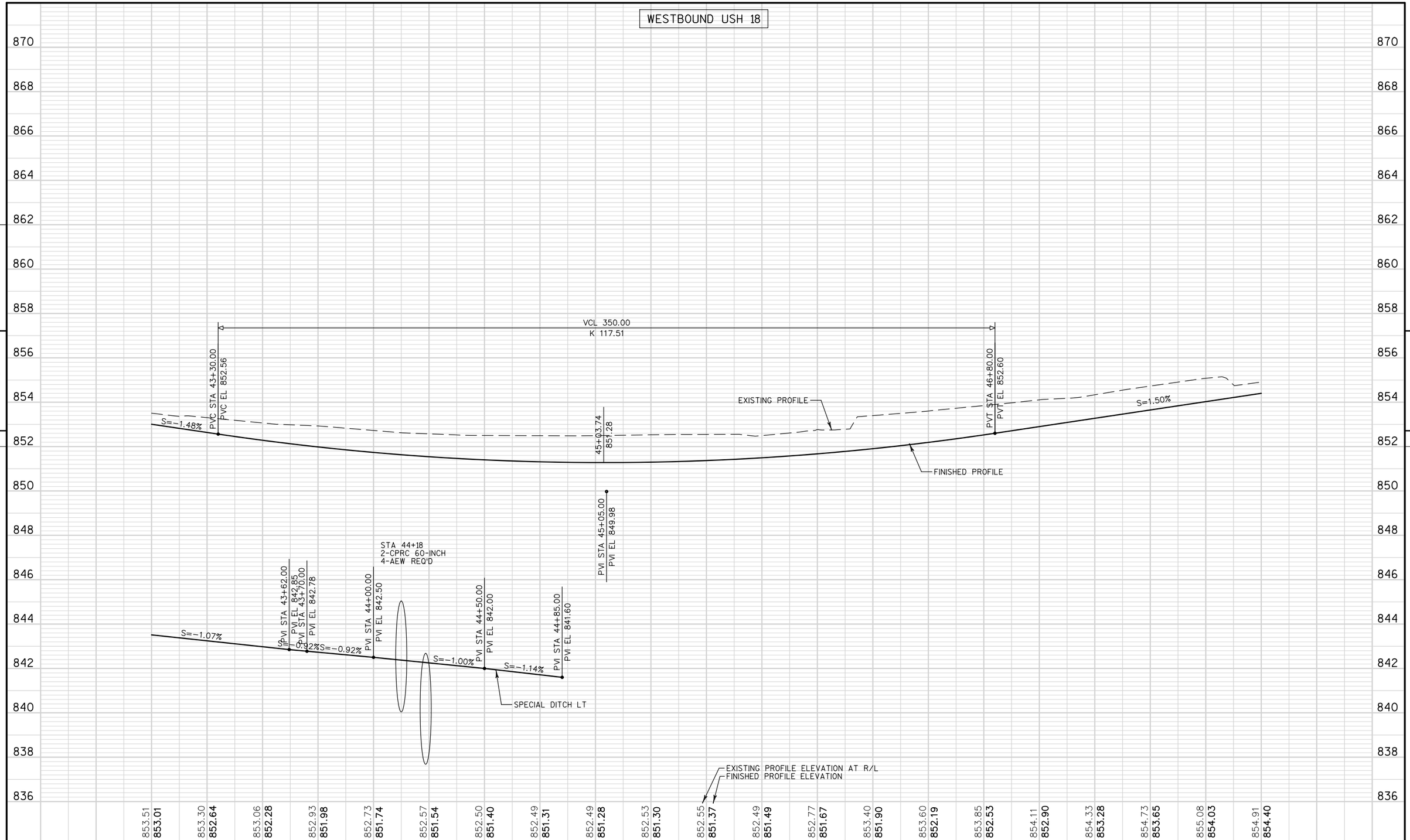
SPECIAL SIDEWALK RT

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

43+00	43+50	44+00	44+50	45+00	45+50	46+00	46+50	47+00	47+50	48+00
853.51 / **853.08**	853.30 / **852.79**	853.06 / **852.49**	852.93 / **852.20**	852.73 / **851.94**	852.57 / **851.73**	852.50 / **851.59**	852.49 / **851.49**	852.49 / **851.46**	852.53 / **851.48**	852.55 / **851.55**
852.49 / **851.68**	852.77 / **851.87**	853.40 / **852.11**	853.60 / **852.40**	853.85 / **852.76**	854.11 / **853.13**	854.33 / **853.51**	854.73 / **853.88**	855.08 / **854.26**	854.91 / **854.63**	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: USH 18	SHEET	E

WESTBOUND USH 18



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: USH 18	SHEET	E

FILE NAME : FD_050139b-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

MCMAHON PETROLEUM LLC

MEADOWBROOK MARKETPLACE LLC

N

EXISTING R/W

SLOPE INTERCEPT

14'

TLE

EXISTING R/W

CAUTION

CAUTION

284

283

282

281

SLOPE INTERCEPT

REMOVING
CURB & GUTTER

MAINTAIN CONNECTION
TO EXISTING SIDEWALK

R/W

TLE

5'

8'

4'

12'

12'

12'

2'

5'

BM 720

REMOVING
CURB & GUTTER

CAUTION

CAUTION

MATCH LINE STA 48+00

MATCH LINE STA 52+00

8'

10'

4'

USH 18

49

50

51

12'

12'

12'

12'

11'

4'

12'

12'

SUMMIT AVE

R/L USH 18

R/L SUMMIT AVE

4'

5'

5'

R/W

TLE

BM 722

CAUTION

R/W

TLE

SLOPE INTERCEPT

14'

REMOVING
CURB & GUTTER

REMOVING
CURB & GUTTER

STA 50+00.00 USH 18 =
STA 282+47.24 BYPASS

PLE

WAUKESHA BYPASS

EXISTING R/W

SLOPE INTERCEPT

R/L WAUKESHA BYPASS

EXISTING R/W

TLE

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
720	282+79.54 RT	TOP EAST SIDE OF CONCRETE TRAFFIC	858.03
		SIGNAL BASE EAST OF ASPHALT BIKE	
		LANE IN NE QUADRANT OF STH 18	
		AND CTH TT	
NO.	STATION	DESCRIPTION	ELEV.
722	288+05.55 LT	UPPER SE TAG BOLT ON HYDRANT	859.85
		AT SW QUADRANT OF STH 18	
		AND CTH TT	

X = CLEARING & GRUBBING

SUMMIT CORPORATE CENTER LLC

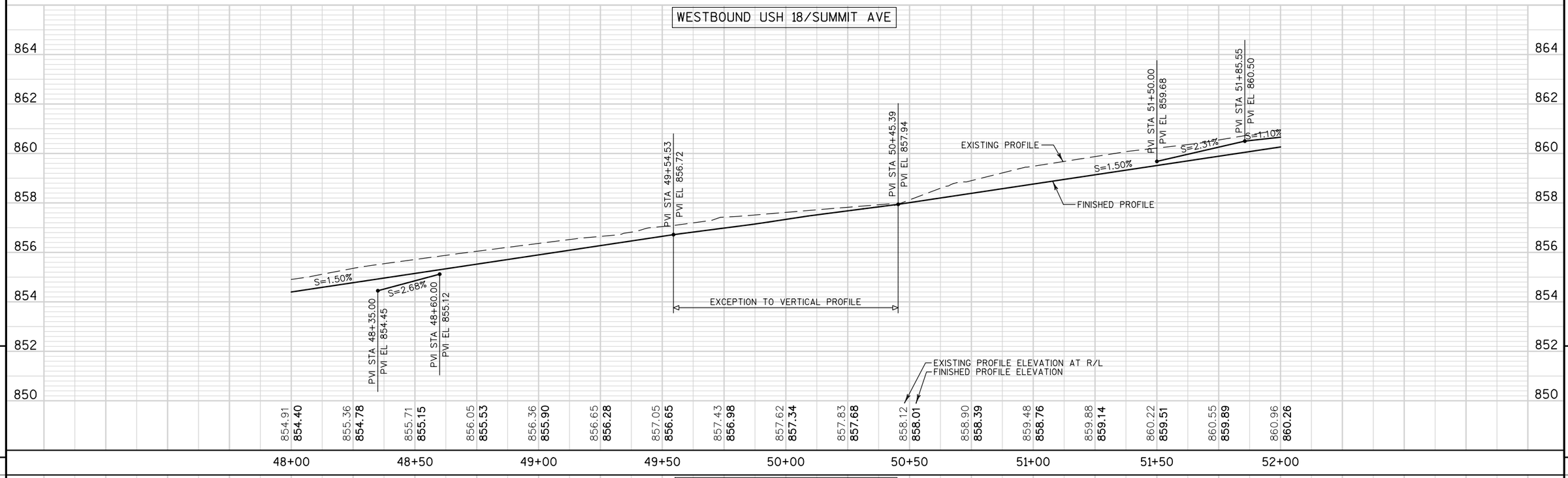
GOOD TIMES DAY CAMP LLC

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: USH 18/SUMMIT AVE	SHEET	E

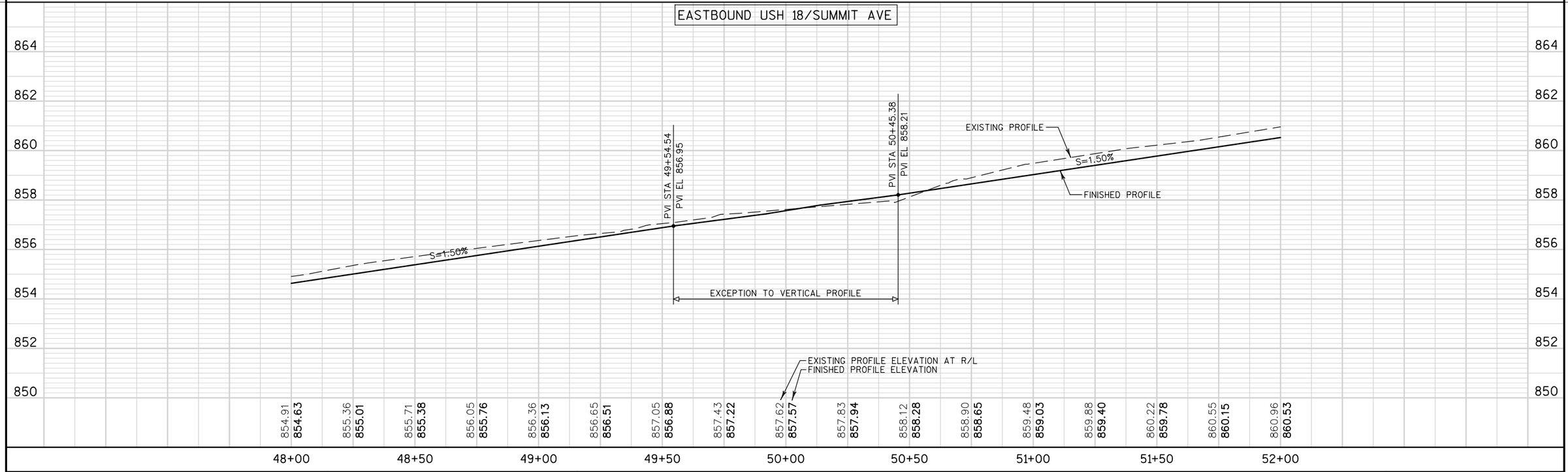
FILE NAME : FD_050140-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

WESTBOUND USH 18/SUMMIT AVE



EASTBOUND USH 18/SUMMIT AVE



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: USH 18/SUMMIT AVE	SHEET	E

MEADOWBROOK MARKETPLACE LLC

MEADOWBROOK MARKETPLACE LLC
C/O SIEGEL-GALLAGHER

N

STA 56+17.40 USH 18 =
10+00.00 DRIVEWAY

TLE

REMOVING
CURB & GUTTER

GRADE AROUND EXISTING
LIGHT POLES TO REMAIN

SLOPE INTERCEPT

GRADE AROUND EXISTING
LIGHT POLES TO REMAIN

REMOVING
CURB & GUTTER

EXISTING
R/W

TLE

EXISTING R/W

CAUTION

MATCH LINE STA 52+00

MATCH LINE STA 57+00

SUMMIT AVE

EXISTING R/W

R/W

TLE

TLE

SLOPE INTERCEPT

TLE

REMOVING
CURB & GUTTER

R/L SUMMIT AVE

CAUTION

EXISTING R/W

REMOVING
CURB & GUTTER

TLE

STA 56+12.61 USH 18 =
10+00.00 DRIVEWAY

GOOD TIMES DAY CAMP LLC

X = CLEARING & GRUBBING

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUMMIT AVE	SHEET	E

FILE NAME : FD_050142-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

EASTBOUND SUMMIT AVE

VCL 420.00
K 170.00

VCL 150.00
K 255.00

PVC STA 52+05.00
PVC EL 860.60

S=1.50%

PVT STA 56+25.00
PVT EL 872.09

S=3.91%

PVC STA 56+75.00
PVC EL 874.08

PVI STA 54+15.00
PVI EL 863.75

EXISTING PROFILE

FINISHED PROFILE

EBS PROFILE

884 882 880 878 876 874 872 870 868 866 864 862 860 858 856 854 852 850

52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00
EXISTING PROFILE ELEVATION AT R/L	860.96	861.93	862.40	862.91	863.48	864.07	864.69	864.79	865.42	866.17	866.92	867.70	868.56	869.40	870.24	870.98	871.85	872.70	873.52	874.42	875.42
FINISHED PROFILE ELEVATION	**860.53**	**860.91**	**861.34**	**861.80**	**862.29**	**862.83**	**863.40**	**864.00**	**864.65**	**865.33**	**866.04**	**866.80**	**867.59**	**868.41**	**869.28**	**870.18**	**871.12**	**872.09**	**873.08**	**874.08**	**875.08**

5

5

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SUMMIT AVE	SHEET	E

WESTBOUND SUMMIT AVE

VCL 564.00
K 177.01

PVC STA 52+20.00
PVC EL 860.56

PVI STA 52+50.00
PVI EL 861.21

S=1.10%

S=1.50%

EXISTING PROFILE

FINISHED PROFILE

PVI STA 55+02.00
PVI EL 864.79

EBS PROFILE

PVI STA 56+67.42
PVI EL 871.82

PVI STA 57+07.00
PVI EL 872.52

S=2.32%

S=0.57%

PVI STA 56+75.00
PVI EL 871.00

SPECIAL DITCH LT

	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00
EXISTING PROFILE ELEVATION AT R/L	860.96	861.93	862.40	862.91	863.48	864.07	864.69	864.79	865.42	866.17	866.92
FINISHED PROFILE ELEVATION	**860.26**	**860.64**	**861.04**	**861.47**	**861.94**	**862.45**	**862.99**	**863.57**	**864.18**	**864.83**	**865.51**
	867.70	868.56	869.40	870.24	870.98	871.85	872.70	873.52	874.42	875.42	
	866.23	**866.98**	**867.77**	**868.59**	**869.45**	**870.34**	**871.27**	**872.24**	**873.24**	**874.27**	

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SUMMIT AVE	SHEET	E

HARRY J & WINNIFRED S WILKINS FAMILY TRUST

N

END CONSTRUCTION
62+33.94
MATCH EXISTING
SAW CUT REQ'D

EXISTING R/W

EXISTING R/W

SLOPE INTERCEPT

MATCH LINE STA 57+00

3'
12'
5'
12'
4'
12'
10'
12'
12'
4'
5'
6'

58 59 60 61 62 63

SUMMIT AVE

TLE

BM 721

SLOPE INTERCEPT

R/L SUMMIT AVE

CE

TLE

101'

TLE

REMOVING
CURB & GUTTER

9

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
721	57+55.70 RT	UPPER BOLT ON 1st HYDRANT WEST OF	877.44
		WAUKESHA FIRE DEPT. 5 ON THE SOUTH	
		SIDE OF STH 18; EAST OF CTH TT	

X = CLEARING & GRUBBING

CITY OF WAUKESHA

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUMMIT AVE	SHEET	E

FILE NAME : FD_050144-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

EASTBOUND SUMMIT AVE

904 902 900 898 896 894 892 890 888 886 884 882 880 878 876 874 872 870

5

VCL 150.00
K 255.00

PVI STA 57+50.00
PVI EL 877.05

PVT STA 58+25.00
PVT EL 880.47

S=4.56%

PVI STA 58+75.00
PVI EL 882.75

S=4.44%

PVI STA 59+69.56
PVI EL 886.95

S=-3.26%

PVI STA 59+75.00
PVI EL 887.49

PVI STA 59+94.00
PVI EL 886.87

S=4.96%

PVI STA 60+26.00
PVI EL 887.98

PVI STA 60+75.00
PVI EL 890.41

S=4.83%

PVI STA 61+25.00
PVI EL 892.28

PVI STA 62+05.00
PVI EL 896.14

EXISTING PROFILE

SPECIAL SIDEWALK RT

END CONSTRUCTION
STA 59+69.56
MATCH EXISTING
SAW CUT REQ'D

FINISHED PROFILE

EBS PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

| | | |

WESTBOUND SUMMIT AVE

902 900 898 896 894 892 890 888 886 884 882 880 878 876 874 872 870 868

EXISTING PROFILE

PVI STA 59+69.56
PVI EL 886.70

END CONSTRUCTION
STA 59+69.56
MATCH EXISTING
SAW CUT REQ'D

S=4.69%

VCL 564.00
K 177.01

PVT STA 57+84.00
PVT EL 878.01

FINISHED PROFILE

EBS PROFILE

PVI STA 59+25.00
PVI EL 881.23

S=4.59%

SPECIAL DITCH LT

STA 57+06.00
PVT EL 871.18

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

| | | |

FAITH BAPTIST CHURCH INC

M-67-01
1 - CPRC 72-INCH EXTENSION
2 - CPRC 48-INCH EXTENSION

SLOPE INTERCEPT

REMOVING CURB & GUTTER

ROBERT F. SMART
AND C O SMART

PLE

TLE

SAN

SS

MH

289

50

49

288

WAUKESHA BYPASS

STA 288+68.48 BYPASS =
STA 50+00.00 DRIVEWAY

R/L WAUKESHA BYPASS

PRE-PAVING TELEVISING SANITARY MAIN LINE

CAUTION

27'

17'

C/L DRIVEWAY

DRIVEWAY

52

53

SLOPE INTERCEPT

REMOVING CURB & GUTTER

SLOPE INTERCEPT

END CONSTRUCTION
STA 51+50.00
MATCH EXISTING
SAW CUT REQ'D

X = CLEARING & GRUBBING

MATT K NEUMANN

N

5

5

BEGIN CONSTRUCTION
STA 48+25.00
MATCH EXISTING
SAW CUT REQ'D

PVI STA 48+25.00
PVI EL 848.73

PVI STA 48+39.00
PVI EL 849.13

PVI STA 48+82.00
PVI EL 850.90

PVI STA 49+24.00
PVI EL 852.20

PVI STA 49+35.00
PVI EL 852.41

PVI STA 49+57.00
PVI EL 853.09

PVI STA 50+43.00
PVI EL 853.79

PVI STA 50+80.00
PVI EL 854.50

PVI STA 51+50.00
PVI EL 856.29

S=2.91%
S=4.10%
S=3.10%
S=1.90%
S=3.10%
S=1.91%
S=2.55%

FINISHED PROFILE

EXISTING PROFILE

EXCEPTION TO VERTICAL PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

| | | |

ROBERT F SMART & C O SMART

PETER & CARMEN M GULCZYNSKI

WILLIAM RYAN HOMES WIS INC

WAUKESHA BYPASS

REMOVING CURB & GUTTER

TLE

R/W

SLOPE INTERCEPT

STA 50+00.00 COLDWATER CREEK DRIVE EAST = STA 305+24.03 BYPASS

C/L COLDWATER CREEK DR

EXISTING R/W

PE

CAUTION

COLDWATER CREEK DR

BEGIN CONSTRUCTION
STA 48+00.00
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 52+75.00
MATCH EXISTING
SAW CUT REQ'D

X = CLEARING & GRUBBING

WAUKESHA MEMORIAL HOSPITAL INC

MK/S-EP LLC

BM 717

STA 50+00.00 COLDWATER CREEK DRIVE WEST = STA 305+23.27 BYPASS

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
717	304+82.53 RT	UPPER SSE BOLT ON HYDRANT AT SE QUADRANT OF COLDWATER CREEK DR AND CTH TT	914.77

MATT K NEUMANN

VCL 133.00
K 28.39

VCL 109.00
K 37.00

VCL 122.00
K 26.78

PVI STA 48+00.00
PVI EL 914.73

PVC STA 48+11.00
PVC EL 914.30

PVT STA 49+44.00
PVT EL 912.19

PVI STA 49+57.00
PVI EL 912.29

49+22.49
912.11

PVC STA 50+44.00
PVC EL 912.47

50+80.89
912.29

PVI STA 50+98.50
PVI EL 911.93

PVI STA 52+14.00
PVI EL 914.18

PVT STA 52+75.00
PVT EL 912.59

52+05.18
913.50

PVI STA 48+77.50
PVI EL 911.69

FINISHED PROFILE

EXISTING PROFILE

EXCEPTION TO VERTICAL PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

916.99	915.73	914.73	914.73	913.82	913.78	913.06	913.04	913.18	912.51	912.67	912.20	911.79	912.11	911.80	912.24	911.76	912.63	912.06	912.69	912.66	912.23	912.42	912.10	912.29	912.48	912.34	914.17	912.55	915.04	912.93	914.67	913.33	913.90	913.49	913.60	913.42	913.19	913.12	912.59	911.84	911.06	910.33
47+50	48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50																														

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: COLDWATER CREEK DRIVE	SHEET	E

FILE NAME : FD_050149-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

5

5

NORTHVIEW RD

43 44 45 46

TIMOTHY J MOAT
LATTICIA A KOKAN

JULIE A MESSNER

WELL

N

BEGIN GRADING
OF LEFT DITCH
STA 44+00

R/L NORTHVIEW RD

SLOPE INTERCEPT

TLE

17'

13'

PE

4'

12'

5'

3'

CAUTION

MATCHLINE STA 47+00

R/W

PE

18'

24'

BEGIN GRADING
OF RIGHT DITCH
STA 44+25

BEGIN CONSTRUCTION
STA 44+50.00
MATCH EXISTING
SAW CUT REQ'D

RECONSTRUCT
SANITARY
MANHOLE

SLOPE INTERCEPTS

JEROME &
NANCY BRUCHERT

MARGARET A POWELEIT
C/O THOMAS POWELEIT

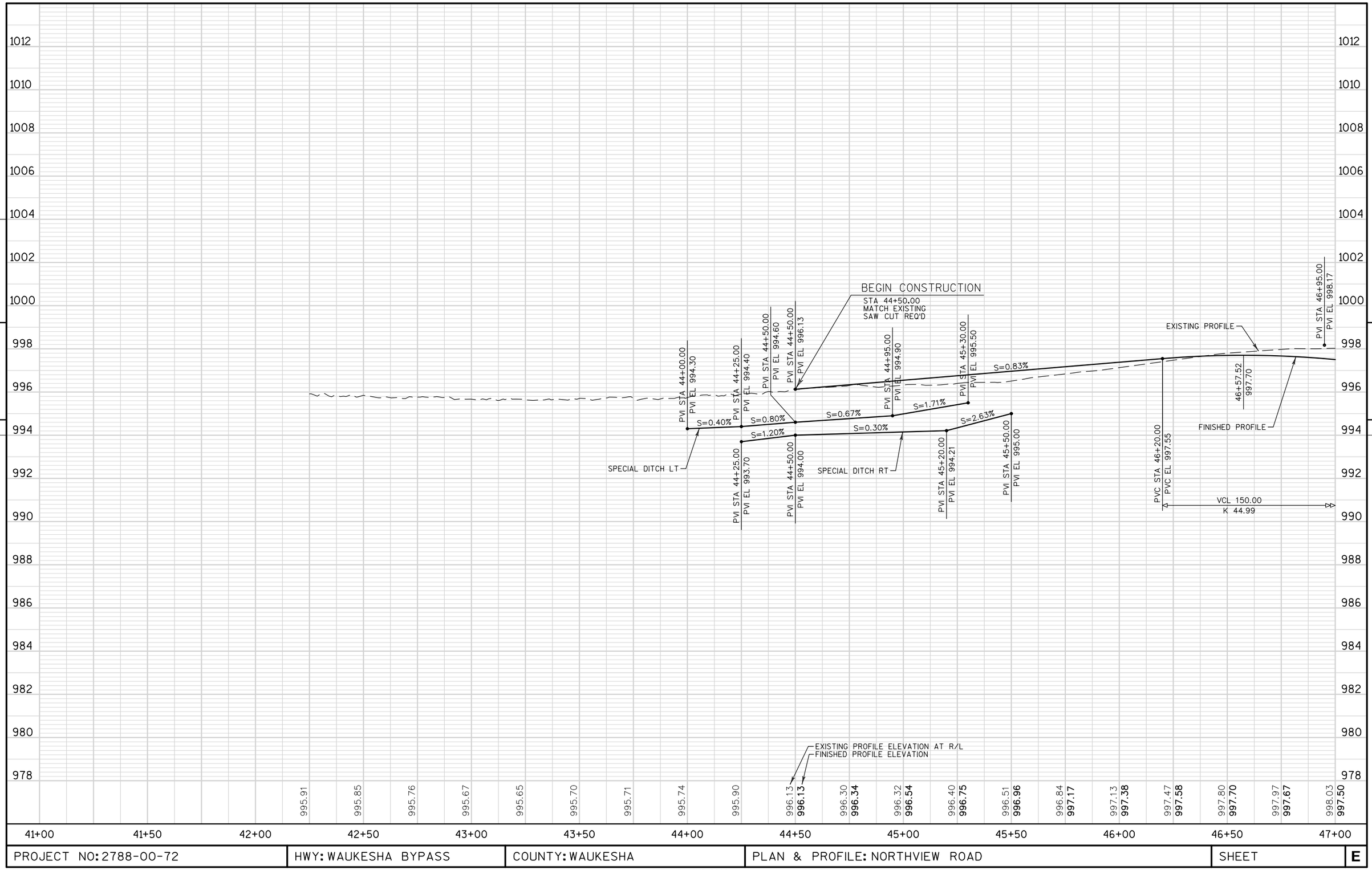
CP 135

X = CLEARING & GRUBBING

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E

FILE NAME : FD_050150-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E

RONALD & PATRICIA SENNOTT

MATCHLINE STA 47+00

SLOPE INTERCEPT

44'

R/L NORTHVIEW RD

TLE

PE

REMOVING CURB & GUTTER

R/W

CAUTION

NORTHVIEW RD

RECONSTRUCT SANITARY MANHOLE

PE 20'

SLOPE INTERCEPT

REMOVING CURB & GUTTER

X = CLEARING & GRUBBING

MAJESKIE FAMILY IRREVOCABLE TRUST

WAUKESHA COUNTY COUNTY TREASURER

WAUKESHA BYPASS

R/L WAUKESHA BYPASS CITY OF WAUKESHA

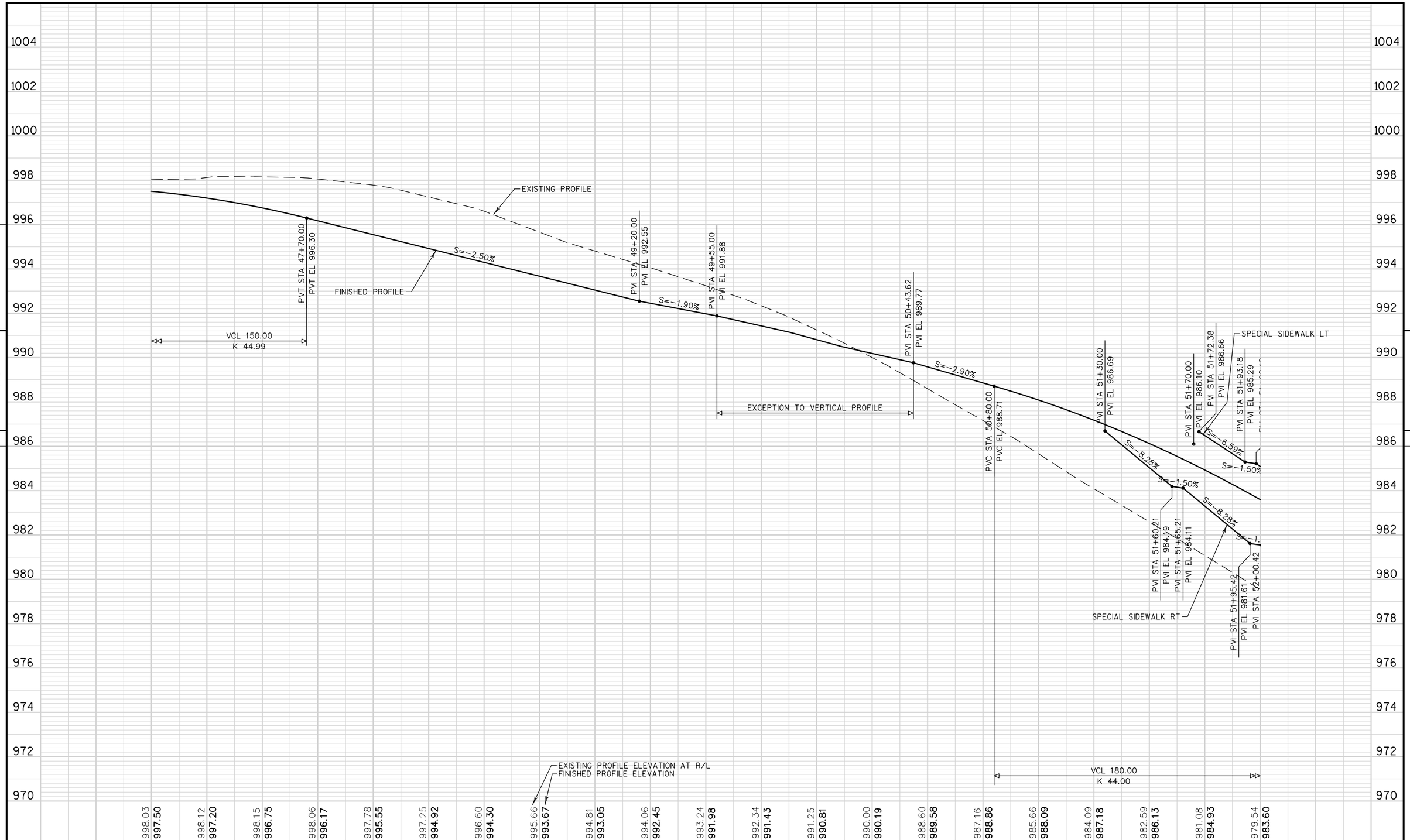
REMOVING CURB & GUTTER

STA 50+00.00 NORTHVIEW ROAD =
STA 340+51.62 BYPASS

MATCHLINE STA 52+00

N

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E

CITY OF WAUKESHA

THOS E. &
SANDRA MARTIN

TLE

SLOPE INTERCEPT

PE

CAUTION

CAUTION

MATCHLINE STA 52+00

53

54

55

56

57

R/L NORTHVIEW RD

NORTHVIEW RD

END CONSTRUCTION
STA 56+65.00
MATCH EXISTING
SAW CUT REQ'D

STA 10+00.00 DRIVEWAY =
STA 52+74.89 NORTHVIEW ROAD

X = CLEARING & GRUBBING

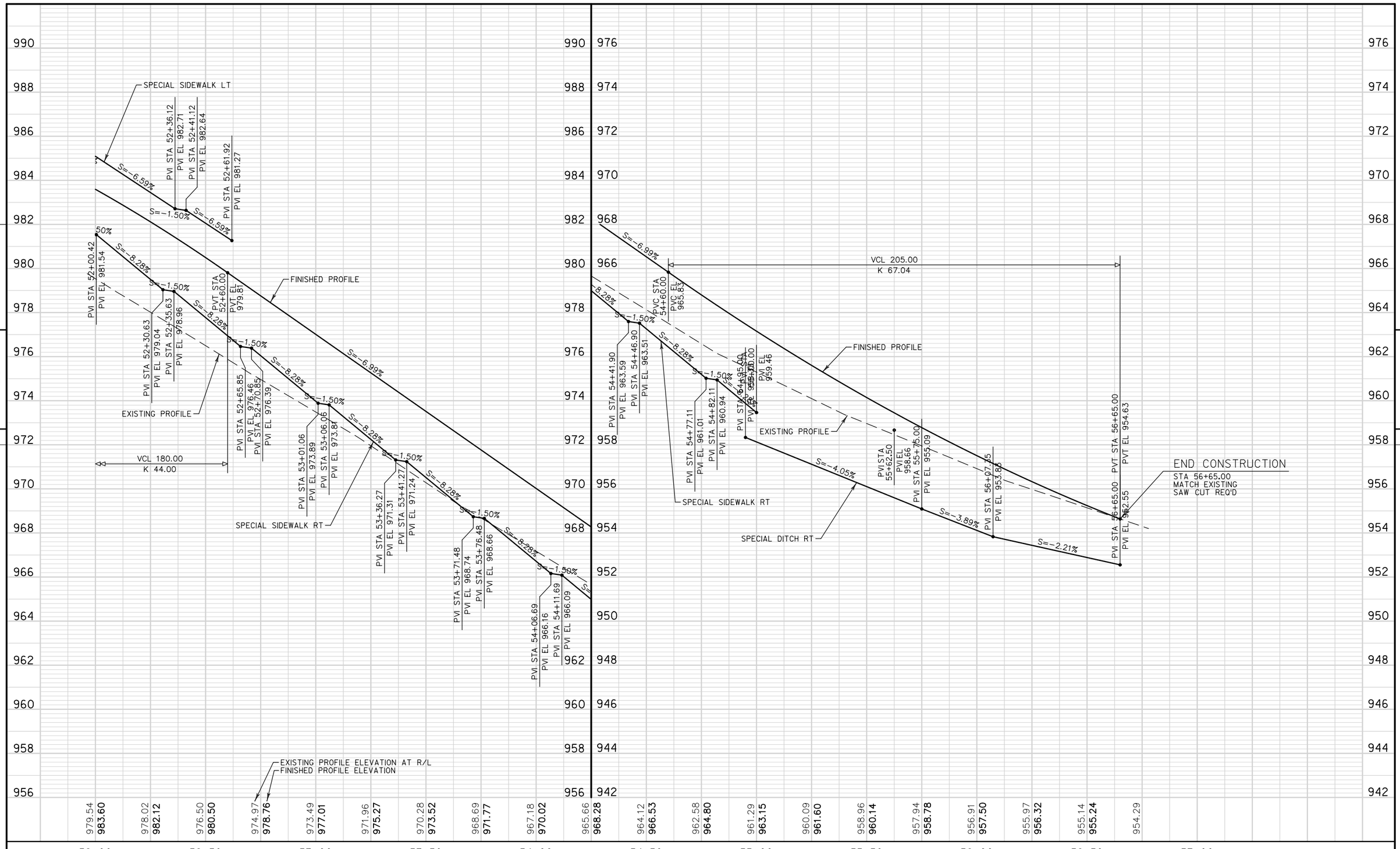
Dirt Filled

N

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E

FILE NAME : FD_050152-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN & PROFILE: NORTHVIEW ROAD	SHEET	E

FILE NAME : FD_050152a-pp.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT SCALE : 40.000002:1

R/L USH 18
STA 10+00.00 TURNBERRY OAK DR =
STA 43+17.05 USH 18

TURNBERRY OAK DR

USH 18

EXISTING R/W

TLE

REMOVING
CURB & GUTTER

SLOPE INTERCEPT

R/L TURNBERRY OAK DR

22'

19'

9

43

44

TORHORST RD

STA 10+00.00 TORHORST RD =
STA 43+14.91 USH 18

R/L TORHORST RD

11

12

13

3'

11'

12'

3'

CPRC
CLASS III
30-INCH

= CLEARING & GRUBBING

ROBERT F SMART & C O SMART

BEGIN
CONSTRUCTION
STA 8+87.15
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 11+90.00
MATCH EXISTING
SAW CUT REQ'D

VCL 100.00
K 26.64

PVI STA 8+87.15
PVI EL 847.65

PVI STA 8+96.75
PVI EL 847.99

PVI STA 8+90.32
PVI EL 847.71

PVI STA 9+03.00
PVI EL 848.34

PVI STA 9+58.00
PVI EL 852.08

PVI STA 9+68.05
PVI EL 852.59

PVI STA 9+63.00
PVI EL 852.36

PVI STA 10+38.75
PVI EL 852.30

PVI STA 10+40.00
PVI EL 852.27

PVI STA 10+60.00
PVI EL 851.65

PVC STA 10+90.00
PVC EL 850.39

PVI STA 10+83.12
PVI EL 844.60

PVI STA 0+87.75
PVI EL 843.70

PVI STA 11+40.00
PVI EL 848.29

PVI STA 11+90.00
PVI EL 848.07

PVI STA 12+16.06
PVI EL 846.49

S=1.70%
S=4.43%
S=5.60%
S=6.80%
S=5.60%
S=4.40%
S=1.94%
S=3.10%
S=4.20%
S=6.1%
S=2.17%

EXCEPTION TO VERTICAL PROFILE

EXISTING PROFILE
FINISHED PROFILE

EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

SPECIAL DITCH LT

| | | |

GOOD TIMES DAY CAMP LLC

MEADOWBROOK MARKETPLACE LLC
C/O SIEGEL-GALLAGHER

STA 10+00.00 DRIVEWAY =
STA 56+12.61 USH 18

REMOVING
CURB & GUTTER

SLOPE INTERCEPT

R/L DRIVEWAY

DRIVEWAY

CAUTION

EXISTING R/W

TLE

USH 18

56

57

REMOVING
CURB & GUTTER

R/L USH 18

SLOPE INTERCEPT

CAUTION

SLOPE INTERCEPT

R/L DRIVEWAY

DRIVEWAY

TLE

REMOVING
CURB & GUTTER

SLOPE INTERCEPT

STA 10+00.00 DRIVEWAY =
STA 56+17.40 USH 18

EXISTING R/W

TLE

N

X = CLEARING & GRUBBING

BEGIN
CONSTRUCTION
STA 8+75.00
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 11+38.86
MATCH EXISTING
SAW CUT REQ'D

5

5

876
874
872
870
868
866
864
862

VCL 20.00
K 12.95

PVC STA 8+75.00
PVC EL 867.90

PVI STA 8+85.00
PVI EL 868.59

PVI STA 9+25.00
PVI EL 871.97

S=-0.60%

PVI STA 9+60.36
PVI EL 872.18

PVT STA 9+55.00
PVT EL 872.15

FINISHED PROFILE

EXISTING PROFILE

VCL 60.00
K 7.65

EXCEPTION TO VERTICAL PROFILE

PVI STA 10+43.03
PVI EL 870.37

EXISTING PROFILE

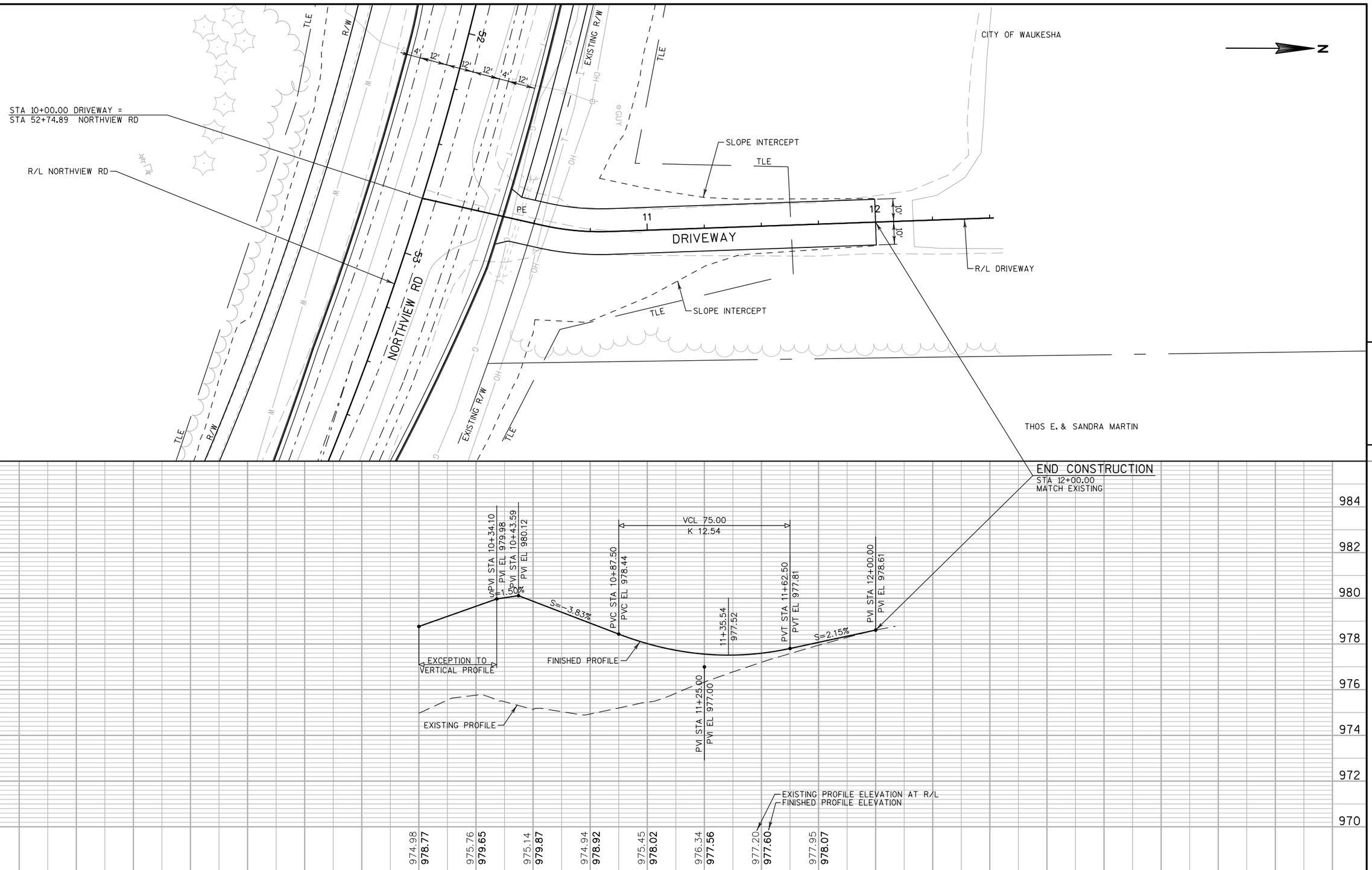
S=-1.09%

FINISHED PROFILE

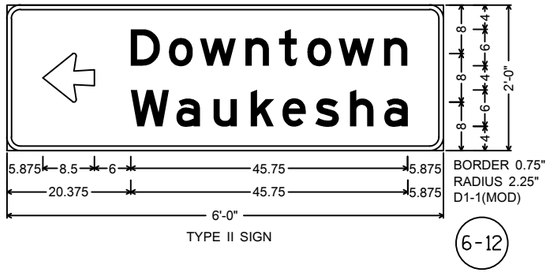
PVI STA 11+38.86
PVI EL 869.32

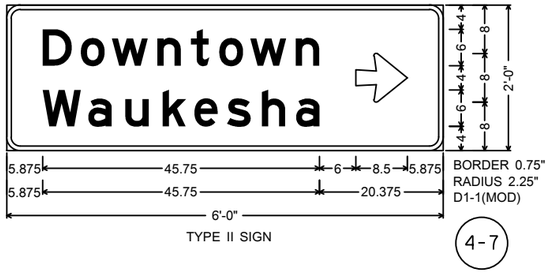
EXISTING PROFILE ELEVATION AT R/L
FINISHED PROFILE ELEVATION

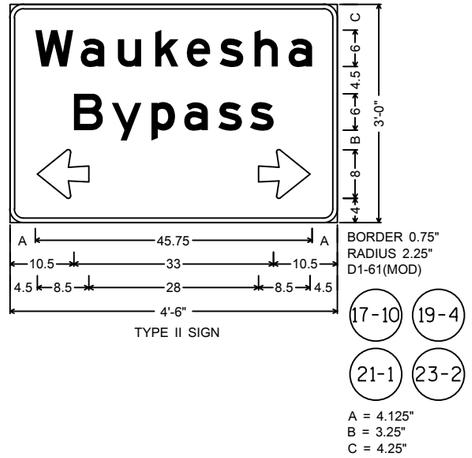
| | | |



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: DRIVEWAY - 52+74.89 LT NORTHVIEW RD	SHEET	E

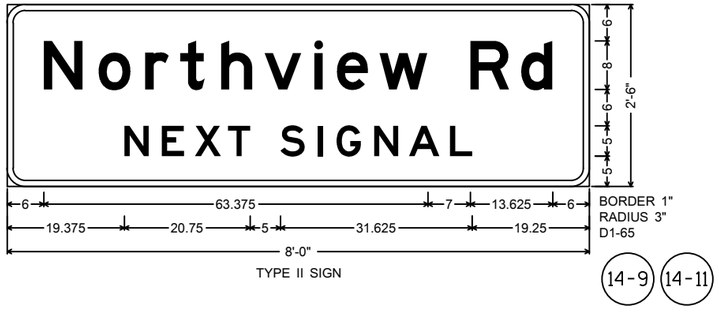


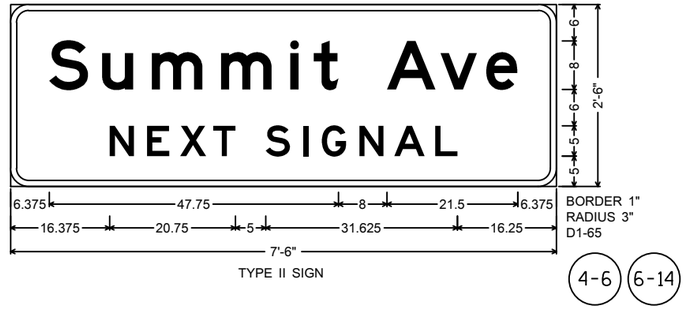




GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

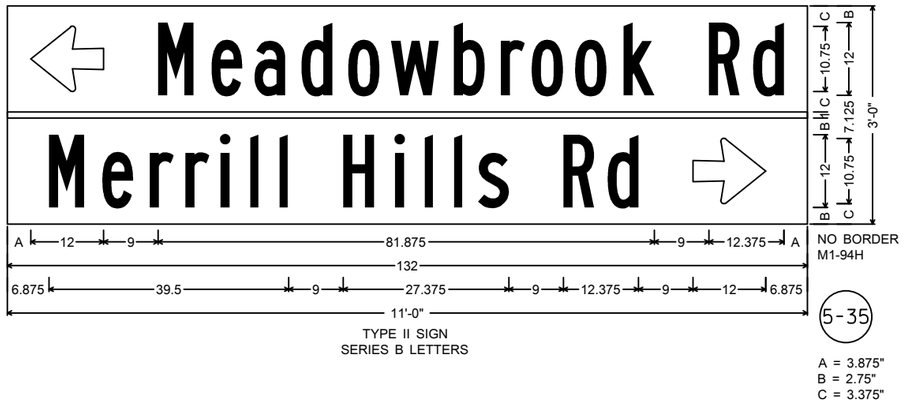




SHEET 1 OF 2

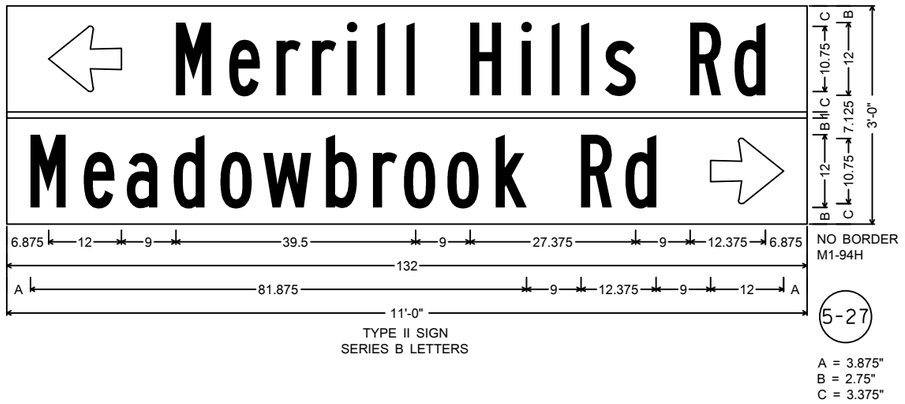
PROJECT NO: 2788-00-70/2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	SIGNING DETAIL - TYPE II SIGNS	SHEET	E

FILE NAME : J:\PROJECTS\D2_27880059\SIGNS\070101_MS_2788-00-70_72.DWG
LAYOUT NAME - 070101_MS
PLOT DATE : 3/22/2016 3:13 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET



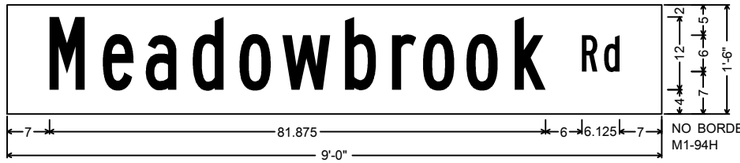
TYPE II SIGN
SERIES B LETTERS

A = 3.875"
B = 2.75"
C = 3.375"

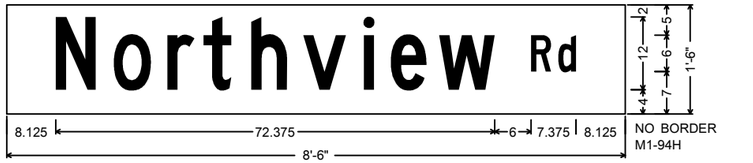


TYPE II SIGN
SERIES B LETTERS

A = 3.875"
B = 2.75"
C = 3.375"



TYPE II SIGN
SERIES B LETTERS



TYPE II SIGN
SERIES C LETTERS



TYPE II SIGN
SERIES B LETTERS

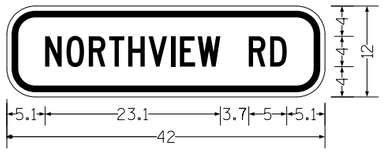
GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

PROJECT NO: 2788-00-70/2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	SIGNING DETAIL - TYPE II SIGNS	SHEET	E

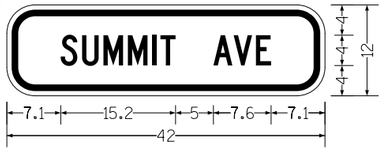
FILE NAME : J:\PROJECTS\D2_27880059\SIGNS\070101_MS_2788-00-70_72.DWG
LAYOUT NAME - 070101_MS (2)
PLOT DATE : 3/22/2016 3:13 PM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET

1



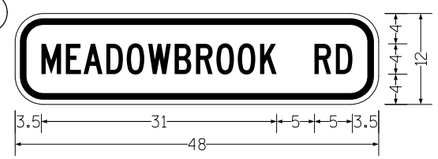
3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"NORTHVIEW RD" C 75% spacing;

2



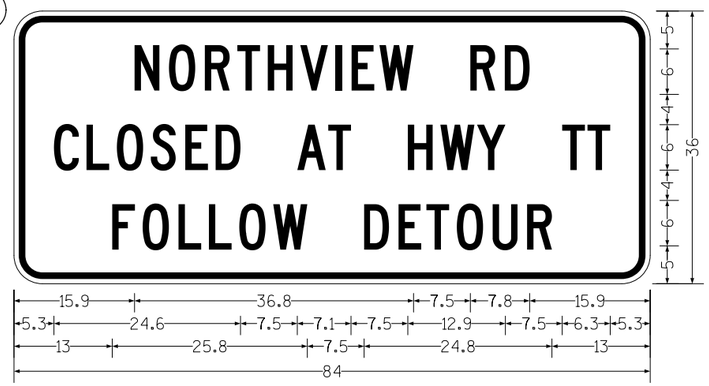
3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"SUMMIT AVE" C 75% spacing;

3



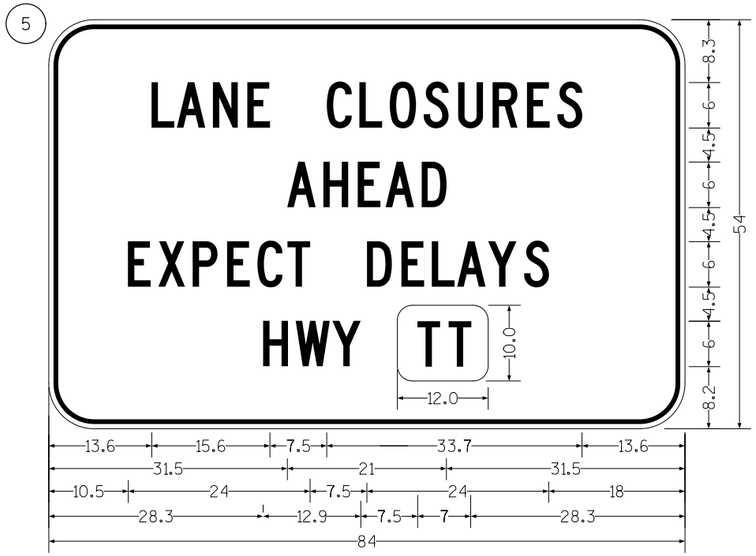
3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"MEADOWBROOK RD" C 75% spacing;

4



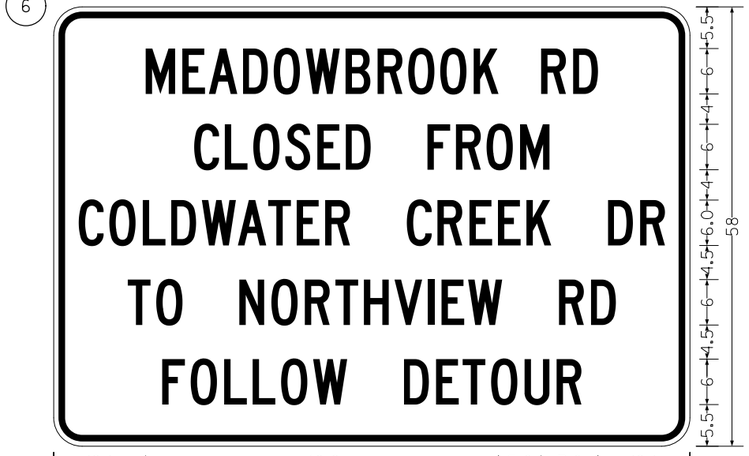
3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"NORTHVIEW RD" C 75% spacing; "CLOSED AT HWY TT" C 75% spacing;
"FOLLOW DETOUR" C 75% spacing;

5



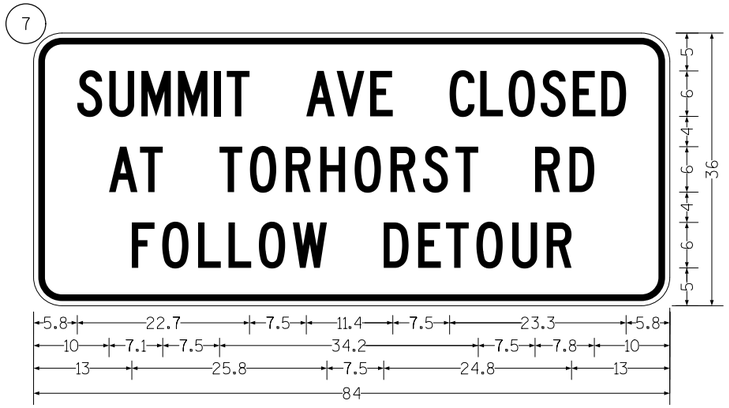
6.0" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"LANE CLOSURES" C 75% spacing; "AHEAD" C 75% spacing;
"EXPECT DELAYS" C 75% spacing; "HWY FF" C 75% spacing

6



3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"MEADOWBROOK RD" C 75% spacing; "CLOSED FROM" C 75% spacing;
"COLDWATER CREEK DR" C 75% spacing; "TO NORTHVIEW RD" C 75% spacing;
"FOLLOW DETOUR" C 75% spacing;

7

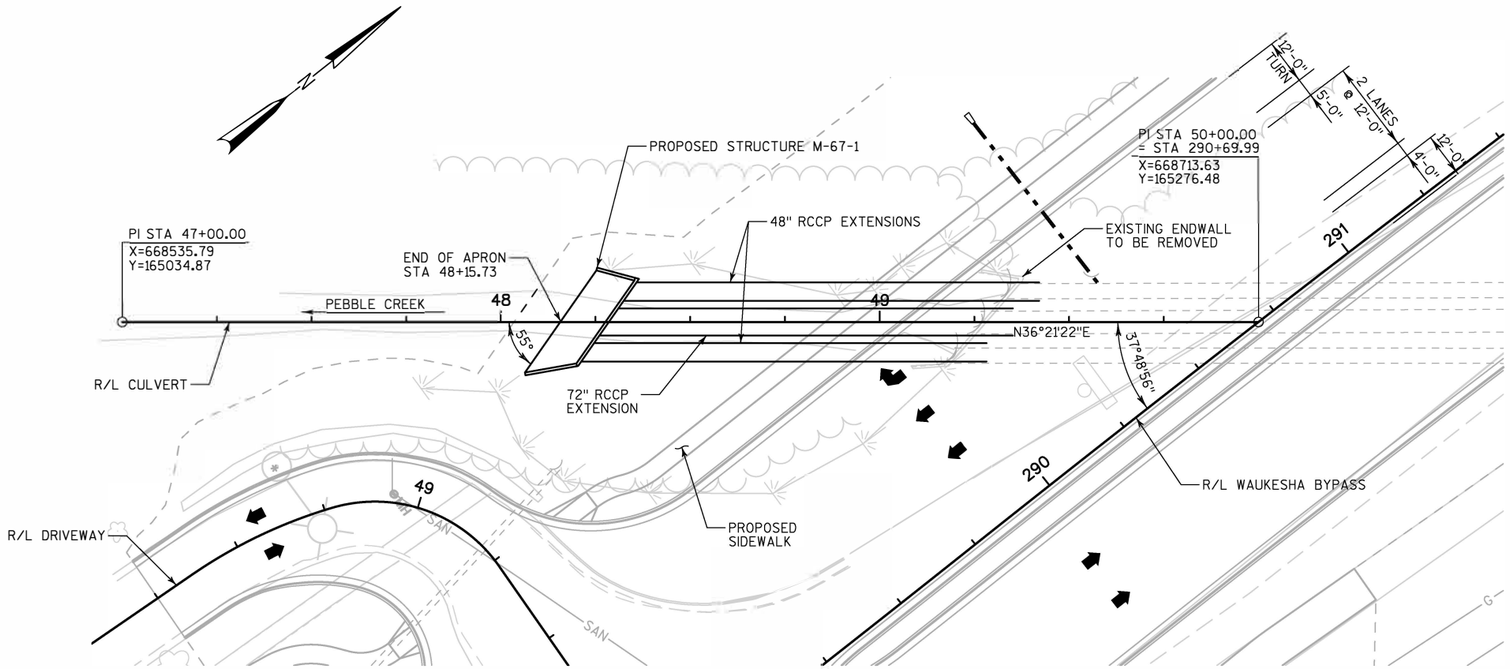


3.8" Radius, 0.9" Border, 0.6" Indent, Black on Orange
"SUMMIT AVE CLOSED" C 75% spacing; "AT TORHORST RD" C 75% spacing;
"FOLLOW DETOUR" C 75% spacing;

GENERAL NOTES:

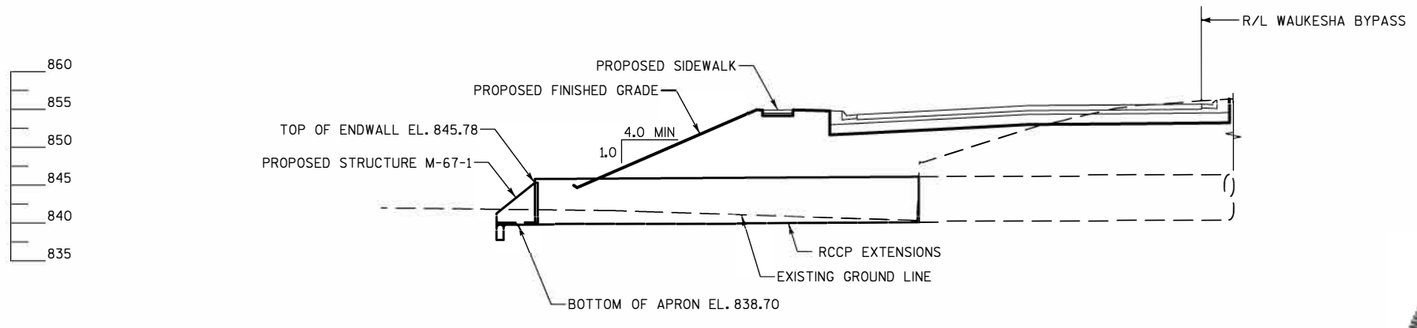
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIRMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE XX".
3. UNLESS OTHERWISE NOTED, TYPE I AND TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E, MODIFIED". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E, MODIFIED".
6. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
9. DO NOT SCALE.

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	SIGNING DETAIL - FIXED MESSAGE SIGNS	SHEET	E



PLAN

OUTLET ENDWALL AND APRON FOR 2-48" & 1-72" RCCP EXTENSION



ELEVATION

(DISTANCES AND STATIONS ARE GIVEN ALONG R/L CULVERT)

DESIGN DATA

MATERIAL PROPERTIES

CONCRETE MASONRY ENDWALLS ———— f'c = 3.5 K.S.I.
BAR STEEL REINFORCEMENT ———— fy = 60 K.S.I.

DESIGN SPECIFICATONS

AASHTO LRFD DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD

LIVE LOAD SURCHARGE (NON-ROADWAY) ———— 120 psf

GENERAL NOTES

DRAWING SHALL NOT BE SCALED.

BAR STEEL SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY ENDWALLS". REFER TO S.D.D "NAME PLATE (STRUCTURES)" FOR NAME PLATE DETAILS.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS SHOWN OR NOTED OTHERWISE.

COORDINATES ON THIS PLAN SET ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY ZONE, NAD 873 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL STATIONS ARE ALONG R/L CULVERT (C/L OF RCCP 72").

UTILITY INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
206.2000	EXCAVATION FOR STRUCTURES CULVERTS (M-67-1)	LS	1
210.1100	BACKFILL STRUCTURE TYPE A	CY	55
504.0900	CONCRETE MASONRY ENDWALLS	CY	23
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,830
	NON-BID ITEM		
	NAME PLATE	EACH	1

LEGEND

➡ INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. APRON DETAILS
3. ENDWALL DETAILS
4. WINGWALL DETAILS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER, PE (608) 266-8489
CONSULTANT:
STEVE G. MILLER, PE (414) 847-0480

WISCONSIN
STEVEN G. MILLER
E-26710
MILWAUKEE, WI
PROFESSIONAL ENGINEER
7/29/2016

NO.	DATE	REVISION	BY

ch2m:

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
2788-00-70

STRUCTURE M-67-1

ENDWALL AND APRON FOR RCCP EXTENSION

COUNTY	TOWN/~~CITY/VILLAGE~~
WAUKESHA	WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SGM	EKM	MHM	EKM

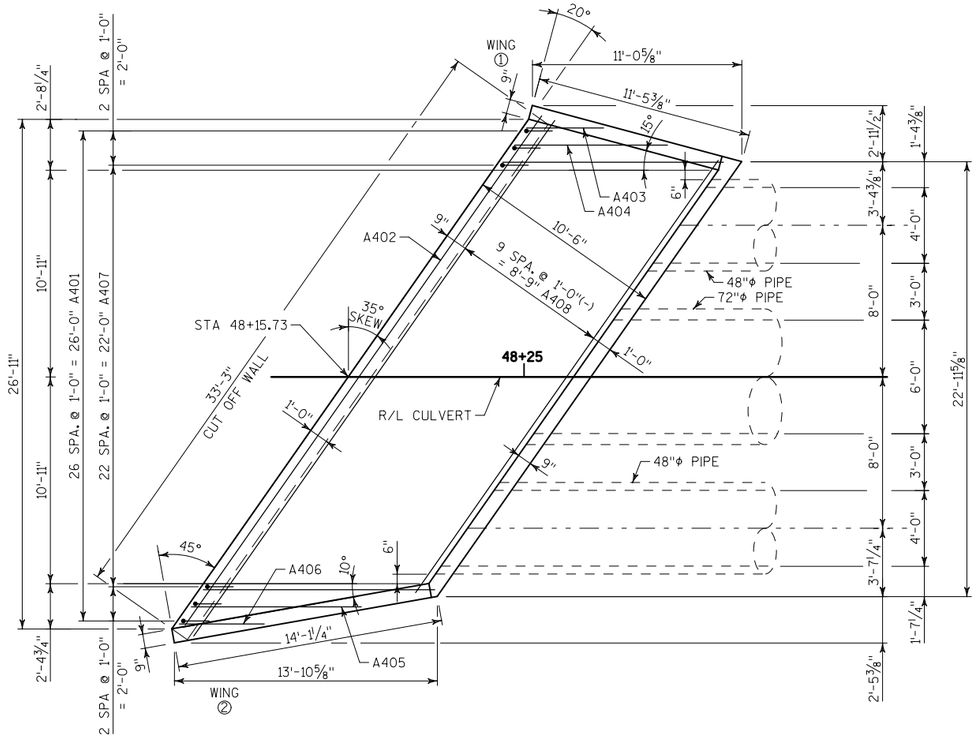
GENERAL PLAN & ELEVATION

SHEET 1 OF 4

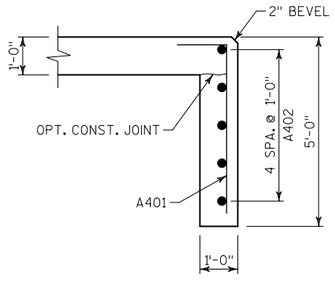
8

8

STATE PROJECT NUMBER
2788-00-70

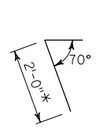


PLAN OF OUTLET APRON



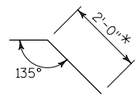
SECTION THRU CUTOFF WALL

OUTLET APRON



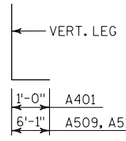
A437 THRU A444

* PLACE 2'-0" LEG IN WING WALL



A445 THRU A452

* PLACE 2'-0" LEG IN WING WALL



BAR SERIES TABLE

BAR MARK	NO REQ'D	LENGTH
A408	1 SERIES OF 10	28'-2" TO 33'-8"
A518	1 SERIES OF 9	2'-2" TO 5'-4"
A419	1 SERIES OF 9	2'-2" TO 5'-4"
A520	1 SERIES OF 12	2'-0" TO 5'-5"
A421	1 SERIES OF 12	2'-0" TO 5'-5"

BUNDLE AND TAG EACH SERIES SEPARATELY

BILL OF BARS

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	SERIES	LOCATION
A401		27	5'-6"	X		CUTOFF WALL VERTICAL
A402		5	32'-9"			CUTOFF WALL HORIZONTAL
A403		1	4'-0"			APRON AT WING 1
A404		1	8'-6"			APRON AT WING 1
A405		1	10'-4"			APRON AT WING 2
A406		1	5'-5"			APRON AT WING 2
A407		23	12'-4"			APRON
A408		10	30'-11"		◭	APRON
A509		2	8'-7"	X		APRON AT WINGS VERTICAL BACK FACE
A510		25	9'-1"	X		APRON AT WINGS VERTICAL BACK FACE
A411		3	11'-1"			APRON AT WING 1 BOTTOM
A412		3	13'-9"			APRON AT WING 2 BOTTOM
A413		25	2'-6"			APRON AT WINGS VERTICAL FRONT FACE
A514		22	8'-7"	X		APRON AT ENDWALL VERTICAL BACK FACE
A515		4	8'-4"	X		APRON AT ENDWALL VERTICAL BACK FACE
A416		26	2'-4"			APRON AT ENDWALL VERTICAL FRONT FACE
A417		2	27'-9"			APRON ENDWALL HORIZONTAL
A518		9	3'-9"		◭	WING 1 VERTICAL BACK FACE
A419		9	3'-9"		◭	WING 1 VERTICAL FRONT FACE
A520		12	3'-9"		◭	WING 2 VERTICAL BACK FACE
A421		12	3'-9"		◭	WING 2 VERTICAL FRONT FACE
A422		4	11'-0"			WING 1 HORIZONTAL
A423		2	7'-11"			WING 1 HORIZONTAL
A424		2	4'-3"			WING 1 HORIZONTAL
A525		2	11'-6"			WING 1 HORIZONTAL TOP
A426		4	13'-4"			WING 2 HORIZONTAL
A427		2	9'-3"			WING 2 HORIZONTAL
A428		2	5'-2"			WING 2 HORIZONTAL
A529		2	14'-1"			WING 2 HORIZONTAL TOP
A530		11	5'-11"			ENDWALL VERTICAL BACK FACE
A431		8	5'-11"			ENDWALL VERTICAL FRONT FACE
A432		4	4'-6"			ENDWALL HORIZONTAL
A433		8	2'-10"			ENDWALL HORIZONTAL
A434		8	2'-2"			ENDWALL HORIZONTAL
A435		4	9'-6"			ENDWALL HORIZONTAL
A436		4	10'-5"			ENDWALL HORIZONTAL
A437		2	2'-11"	X		ENDWALL AT WING 1 HORIZONTAL FRONT FACE
A438		2	3'-9"	X		ENDWALL AT WING 1 HORIZONTAL BACK FACE
A439		2	3'-1"	X		ENDWALL AT WING 1 HORIZONTAL FRONT FACE
A440		2	3'-0"	X		ENDWALL AT WING 1 HORIZONTAL BACK FACE
A441		1	2'-10"	X		ENDWALL AT WING 1 HORIZONTAL FRONT FACE
A442		1	2'-9"	X		ENDWALL AT WING 1 HORIZONTAL BACK FACE
A443		2	4'-0"	X		ENDWALL AT WING 1 HORIZONTAL FRONT FACE
A444		2	4'-0"	X		ENDWALL AT WING 1 HORIZONTAL BACK FACE
A445		2	3'-5"	X		ENDWALL AT WING 2 HORIZONTAL FRONT FACE
A446		2	4'-1"	X		ENDWALL AT WING 2 HORIZONTAL BACK FACE
A447		2	2'-7"	X		ENDWALL AT WING 2 HORIZONTAL FRONT FACE
A448		2	3'-3"	X		ENDWALL AT WING 2 HORIZONTAL BACK FACE
A449		1	2'-6"	X		ENDWALL AT WING 2 HORIZONTAL FRONT FACE
A450		1	3'-1"	X		ENDWALL AT WING 2 HORIZONTAL BACK FACE
A451		2	4'-0"	X		ENDWALL AT WING 2 HORIZONTAL FRONT FACE
A452		2	4'-0"	X		ENDWALL AT WING 2 HORIZONTAL BACK FACE

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CACULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST DIGIT OF A BAR SIGNIFIES THE BAR SIZE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

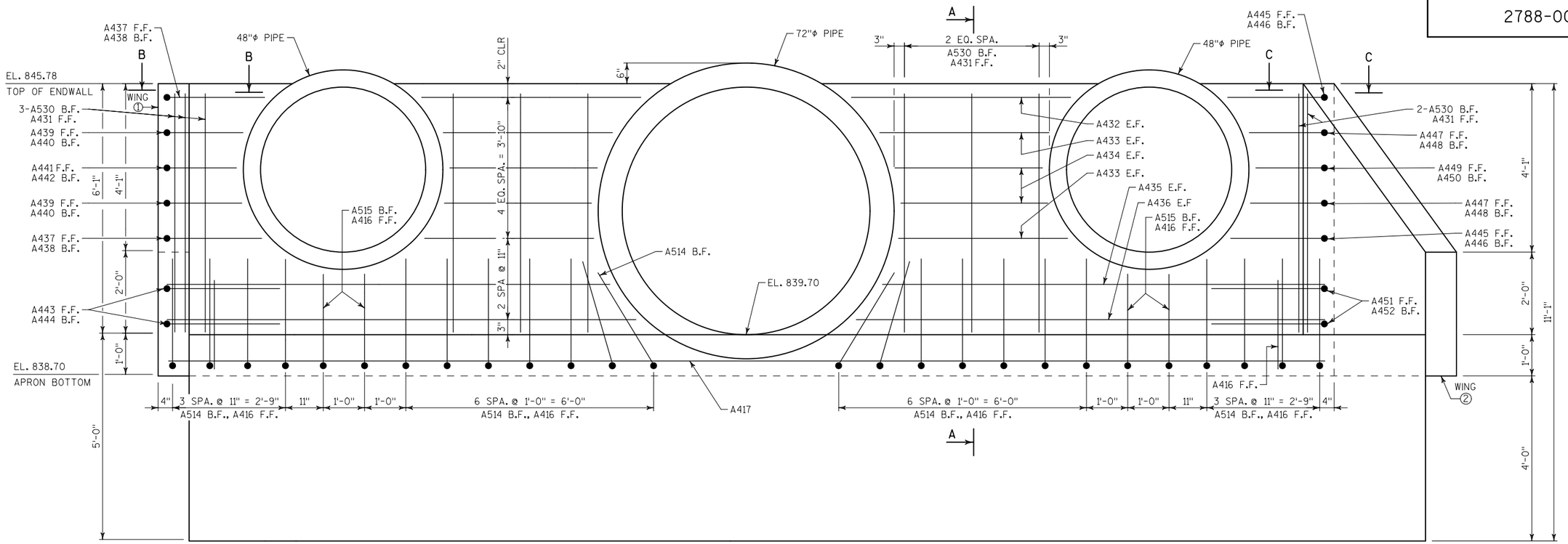
STRUCTURE M-67-1

DRAWN BY MHM | PLANS CK'D. EKM

APRON DETAILS

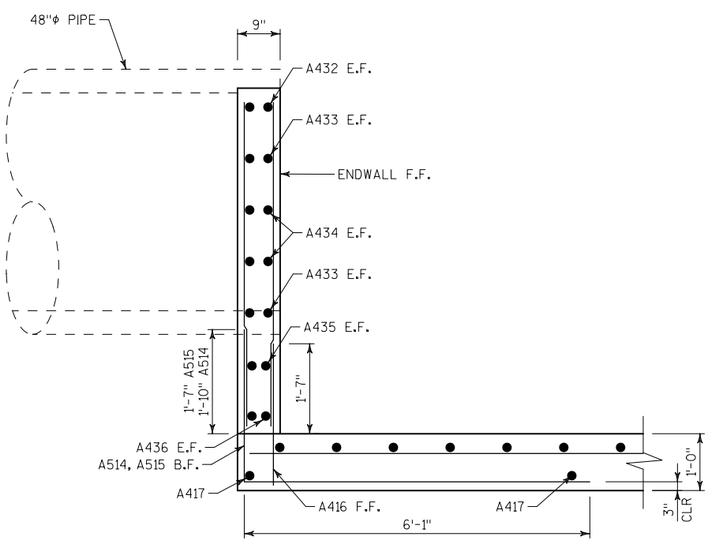
SHEET 2 OF 4

STATE PROJECT NUMBER
2788-00-70

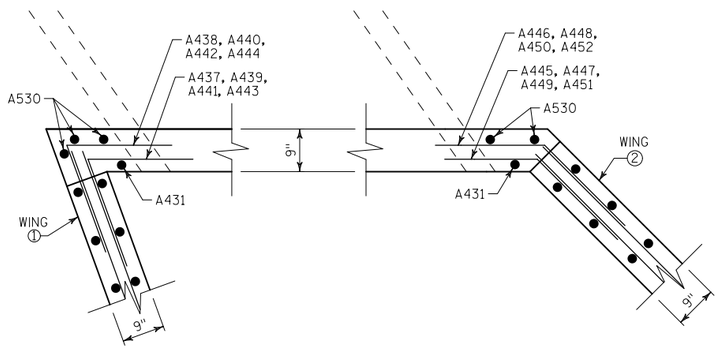


ELEVATION - APRON OUTLET ENDWALL

(DIMENSIONS GIVEN ALONG FRONT FACE OF ENDWALL)



SECTION A-A



SECTION B-B

SECTION C-C

E.F. = EACH FACE
F.F. = FRONT FACE
B.F. = BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-67-1

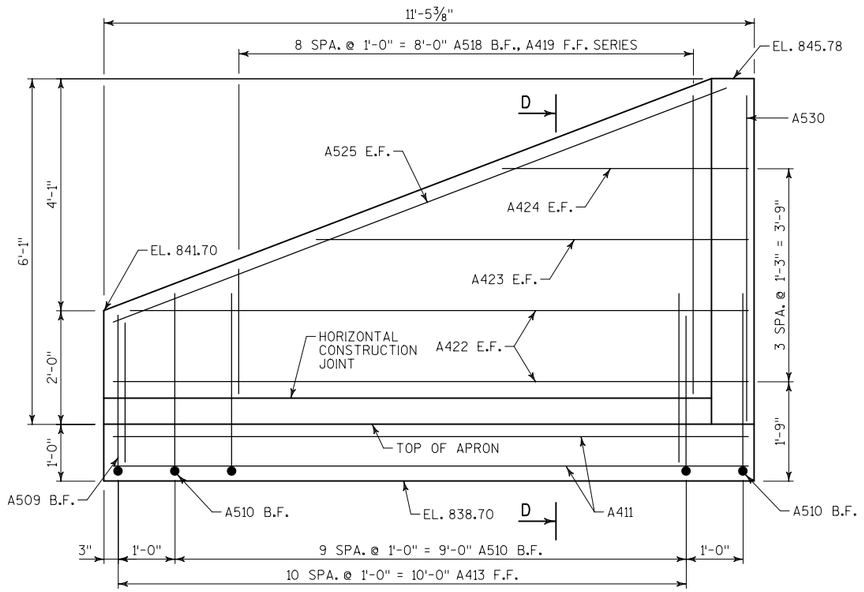
DRAWN BY MHM | PLANS CK'D. EKM

ENDWALL DETAILS

SHEET 3 OF 4

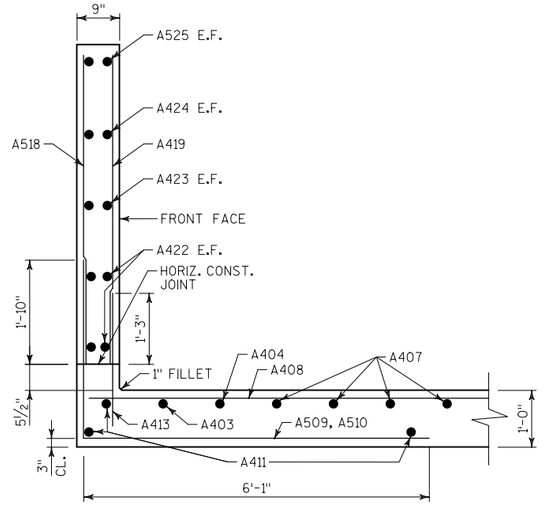
8

STATE PROJECT NUMBER
2788-00-70



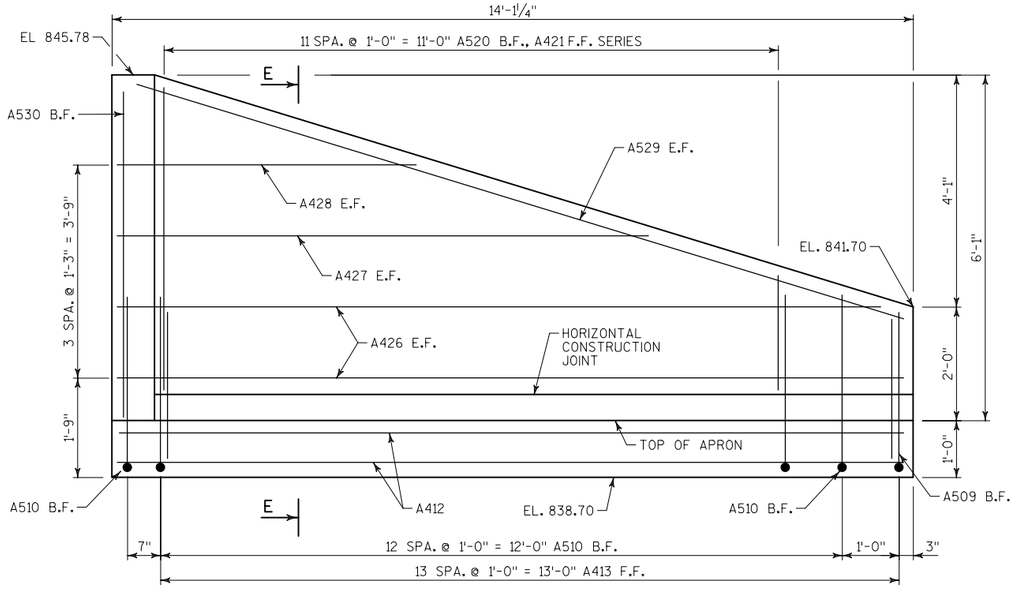
ELEVATION WING 1

(FRONT FACE)



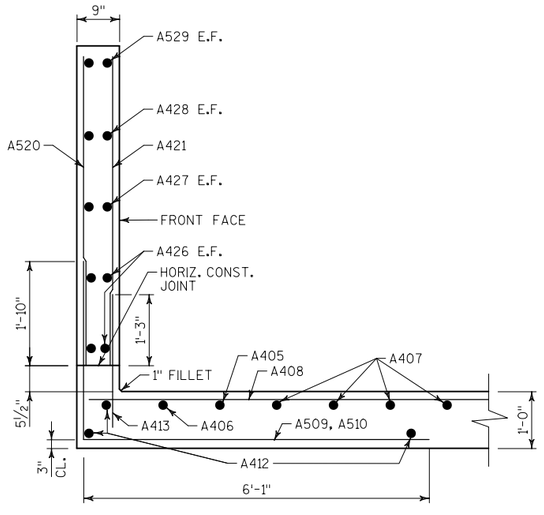
SECTION D-D

(WING 1)



ELEVATION WING 2

(FRONT FACE)



SECTION E-E

(WING 2)

E.F. = EACH FACE
F.F. = FRONT FACE
B.F. = BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-67-1

DRAWN BY MHM | PLANS CK'D. EKM

WINGWALL DETAILS

SHEET 4 OF 4

8

8

2788-02-70 - DIVISION 1 - WAUKESHA BYPASS TEMPORARY

STATION	REAL STATION	EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
264+66 AH	26465.71	0	0
265+00	26500.00	0	17
265+50	26550.00	0	65
266+00	26600.00	0	108
266+50	26650.00	0	160
267+00	26700.00	0	222
267+50	26750.00	0	289
268+00	26800.00	0	369
268+50	26850.00	0	446
269+00	26900.00	0	503
269+50	26950.00	0	546
270+00	27000.00	0	594
270+50	27050.00	0	652
271+00	27100.00	2	691
271+50	27150.00	4	721
272+00	27200.00	4	766
272+50	27250.00	4	820
272+85 BK	27285.00	7	841
275+24 AH	27524.38	7	841
275+50	27550.00	7	849
276+00	27600.00	9	867
276+50	27650.00	28	862
277+00	27700.00	64	839
277+50	27750.00	104	812
278+00	27800.00	134	794
278+50	27850.00	146	805
279+00	27900.00	154	822
279+50	27950.00	170	830
280+00	28000.00	197	828
280+50	28050.00	237	813
281+00	28100.00	263	818
281+50	28150.00	264	854
281+97	28197.35	264	914
282+72	28271.97	264	1007
283+00	28300.00	264	1042
283+50	28350.00	264	1110
284+00	28400.00	266	1143
284+50	28450.00	272	1158
284+75 BK	28474.64	275	1164

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 1 - WAUKESHA BYPASS TEMPORARY

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
284+75 AH	28474.64	0	9.17	2.95	0	0	0	0	0
285+00	28500.00	25	8.09	4.40	8	3	8	4	4
285+50	28550.00	50	8.52	4.23	15	8	23	14	9
286+00	28600.00	50	8.96	3.22	16	7	40	23	17
286+47 BK	28647.00	47	8.50	3.50	15	6	55	30	25
335+12 AH	33512.00	0	2.50	0.00	0	0	0	0	0
335+50	33550.00	38	2.67	0.00	4	0	4	0	4
336+00	33600.00	50	3.14	0.00	5	0	9	0	9
336+50	33650.00	50	2.51	0.12	5	0	14	0	14
337+00	33700.00	50	19.81	5.35	21	5	35	6	28
337+50	33750.00	50	11.26	15.99	29	20	64	31	33
338+00	33800.00	50	9.17	19.61	19	33	83	72	10
338+50	33850.00	50	7.55	27.60	15	44	98	127	-29
339+00	33900.00	50	9.37	21.99	16	46	114	184	-71
339+50	33950.00	50	15.09	16.68	23	36	136	229	-93
339+95 BK	33995.00	45	15.50	17.50	25	28	162	265	-103
340+80 AH	34080.00	0	60.00	15.00	0	0	0	0	0
341+00	34100.00	20	65.68	11.13	47	10	47	12	34
341+50	34150.00	50	18.12	20.70	78	29	124	49	75
342+00	34200.00	50	8.69	55.82	25	71	149	138	11
342+32 BK	34231.74	32	8.90	64.71	10	71	159	226	-67
			COLUMN TOTALS		376	417			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 2 - WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
266+58 AH	26658.41	0	6.42	8.77	0	0	0	0	0
267+00	26700.00	42	6.16	3.81	10	10	10	12	-2
267+50	26750.00	50	7.96	0.95	13	4	23	18	5
268+00	26800.00	50	7.21	0.23	14	1	37	19	18
268+50	26850.00	50	6.85	1.04	13	1	50	20	29
269+00	26900.00	50	7.40	1.44	13	2	63	23	40
269+50	26950.00	50	5.26	13.47	12	14	75	41	34
270+00	27000.00	50	6.82	5.48	11	18	86	63	23
270+50	27050.00	50	20.66	0.17	25	5	111	69	42
271+00	27100.00	50	103.21	0.00	115	0	226	69	157
271+50	27150.00	50	42.89	0.00	135	0	361	69	292
272+00	27200.00	50	43.19	0.00	80	0	441	69	372
272+50	27250.00	50	44.71	0.00	81	0	522	69	453
273+00	27300.00	50	1.87	18.06	43	17	566	90	475
273+50	27350.00	50	12.58	2.53	13	19	579	114	465
273+75	27375.00	25	10.20	6.44	11	4	589	119	470
273+75	27375.00	0	59.80	131.81	0	0	589	119	470
274+00	27400.00	50	61.15	91.00	112	206	701	377	324
274+50	27450.00	50	64.43	0.00	116	84	818	482	335
275+00	27500.00	50	41.32	0.00	98	0	916	482	433
275+50	27550.00	50	6.74	34.19	45	32	960	522	438
276+00	27600.00	50	1.91	125.67	8	148	968	707	261
276+50	27650.00	50	0.99	157.01	3	262	971	1034	-63
277+00	27700.00	50	2.84	212.03	4	342	974	1461	-487
277+50	27750.00	50	5.67	259.30	8	436	982	2007	-1025
278+00	27800.00	50	9.39	297.23	14	515	996	2651	-1655
278+50	27850.00	50	11.48	307.15	19	560	1016	3350	-2335
279+00	27900.00	50	18.34	287.99	28	551	1043	4039	-2996
279+50	27950.00	50	5.43	289.54	22	535	1065	4708	-3643
280+00	28000.00	50	0.01	251.47	5	501	1070	5334	-4264
280+50	28050.00	50	14.42	146.62	13	369	1084	5795	-4711
281+00	28100.00	50	60.31	6.16	69	141	1153	5971	-4819
281+50	28150.00	50	149.09	0.00	194	6	1347	5979	-4632
282+00	28200.00	50	169.62	0.00	295	0	1642	5979	-4337
282+50	28250.00	50	121.06	0.00	269	0	1911	5979	-4068
283+00	28300.00	50	68.81	0.00	176	0	2087	5979	-3892
283+50	28350.00	50	218.25	0.00	266	0	2353	5979	-3626
284+00	28400.00	50	122.73	1.81	316	2	2668	5981	-3312
284+50	28450.00	50	95.69	25.52	202	25	2870	6012	-3142
284+75 BK	28474.64	25	83.29	2.30	82	13	2952	6028	-3076
				COLUMN TOTALS	2952	4823			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
284+75 AH	28474.64	0	83.29	2.30	0	0	0	0	0
285+00	28500.00	25	65.86	8.50	70	5	70	6	64
285+50	28550.00	50	42.91	31.22	101	37	171	52	118
286+00	28600.00	50	32.69	63.81	70	88	241	162	78
286+50	28650.00	50	28.47	109.12	57	160	297	362	-65
287+00	28700.00	50	12.74	192.11	38	279	336	711	-376
287+50	28750.00	50	69.16	96.40	76	267	411	1045	-634
288+00	28800.00	50	62.45	87.48	122	170	533	1258	-725
288+50	28850.00	50	58.18	0.00	112	81	645	1359	-714
289+00	28900.00	50	68.33	76.06	117	70	762	1447	-685
289+50	28950.00	50	40.26	454.69	101	491	863	2061	-1199
290+00	29000.00	50	28.66	447.44	64	835	926	3106	-2179
290+50	29050.00	50	23.10	387.10	48	773	974	4071	-3097
291+00	29100.00	50	9.16	456.53	30	781	1004	5048	-4044
291+50	29150.00	50	16.14	487.58	23	874	1028	6141	-5113
292+00	29200.00	50	4.59	327.96	19	755	1047	7085	-6038
292+50	29250.00	50	22.38	213.76	25	502	1072	7712	-6640
293+00	29300.00	50	44.90	94.24	62	285	1134	8068	-6934
293+50	29350.00	50	47.41	120.01	85	198	1220	8316	-7096
294+00	29400.00	50	46.44	246.98	87	340	1306	8741	-7434
294+50	29450.00	50	50.91	326.73	90	531	1397	9405	-8008
295+00	29500.00	50	50.39	437.23	94	707	1490	10289	-8799
295+50	29550.00	50	51.10	534.70	94	900	1584	11414	-9829
296+00	29600.00	50	35.53	614.76	80	1064	1665	12744	-11080
296+50	29650.00	50	17.94	678.09	50	1197	1714	14241	-12526
297+00	29700.00	50	12.16	750.98	28	1323	1742	15895	-14153
297+50	29750.00	50	26.74	678.37	36	1323	1778	17549	-15771
298+00	29800.00	50	7.60	785.69	32	1356	1810	19243	-17434
298+50	29850.00	50	9.40	809.42	16	1477	1826	21090	-19264
299+00	29900.00	50	0.00	826.26	9	1515	1834	22983	-21149
299+50	29950.00	50	0.00	784.95	0	1492	1834	24848	-23013
300+00	30000.00	50	0.00	620.62	0	1301	1834	26474	-24640
300+50	30050.00	50	0.00	390.64	0	936	1834	27645	-25811
301+00	30100.00	50	23.18	44.59	21	403	1856	28149	-26293
301+50	30150.00	50	99.98	1.83	114	43	1970	28202	-26233
302+00	30200.00	50	199.12	1.12	277	3	2247	28206	-25959
302+50	30250.00	50	201.48	0.92	371	2	2618	28208	-25591
303+00	30300.00	50	131.85	3.17	309	4	2926	28213	-25287
303+50	30350.00	50	74.24	10.20	191	12	3117	28228	-25111
304+00	30400.00	50	64.86	8.86	129	18	3246	28250	-25005

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - WAUKESHA BYPASS (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
			CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	NOTE 3
304+50	30450.00	50	34.63	20.51	92	27	3338	28284	-24946
305+00	30500.00	50	53.70	1.73	82	21	3420	28310	-24890
305+50	30550.00	50	19.36	2.26	68	4	3487	28315	-24827
306+00	30600.00	50	20.42	59.94	37	58	3524	28387	-24862
306+50	30650.00	50	55.90	16.69	71	71	3595	28475	-24881
307+00	30700.00	50	69.49	17.49	116	32	3711	28515	-24804
307+50	30750.00	50	115.39	11.88	171	27	3882	28549	-24667
308+00	30800.00	50	133.35	13.20	230	23	4113	28578	-24465
308+50	30850.00	50	152.19	13.27	264	25	4377	28609	-24232
309+00	30900.00	50	199.46	11.47	326	23	4703	28637	-23935
309+50	30950.00	50	245.70	12.73	412	22	5115	28665	-23551
310+00	31000.00	50	276.01	10.37	483	21	5598	28692	-23094
310+50	31050.00	50	367.10	2.94	595	12	6193	28707	-22514
311+00	31100.00	50	432.28	3.94	740	6	6933	28715	-21782
311+50	31150.00	50	457.17	2.63	824	6	7757	28723	-20966
312+00	31200.00	50	539.75	3.56	923	6	8680	28730	-20050
312+50	31250.00	50	753.97	2.27	1198	5	9878	28737	-18859
313+00	31300.00	50	862.45	2.32	1497	4	11375	28742	-17368
313+50	31350.00	50	1028.62	1.77	1751	4	13126	28747	-15621
314+00	31400.00	50	1202.74	1.52	2066	3	15192	28751	-13559
314+50	31450.00	50	1355.94	1.50	2369	3	17561	28754	-11193
315+00	31500.00	50	1408.57	1.11	2560	2	20121	28757	-8637
315+50	31550.00	50	1413.77	0.92	2613	2	22734	28760	-6026
316+00	31600.00	50	1366.79	0.92	2575	2	25308	28762	-3453
316+50	31650.00	50	1267.34	1.31	2439	2	27747	28764	-1017
317+00	31700.00	50	1140.43	1.13	2229	2	29977	28767	1210
317+50	31750.00	50	1021.19	0.63	2002	2	31978	28769	3209
318+00	31800.00	50	785.12	0.89	1673	1	33651	28771	4880
318+50	31850.00	50	526.92	2.06	1215	3	34866	28774	6091
319+00	31900.00	50	309.58	2.00	775	4	35640	28779	6861
319+50	31950.00	50	167.58	1.89	442	4	36082	28784	7298
320+00	32000.00	50	50.46	28.63	202	28	36284	28819	7465
320+50	32050.00	50	7.13	152.76	53	168	36337	29029	7308
321+00	32100.00	50	4.35	257.98	11	380	36348	29504	6844
321+50	32150.00	50	2.48	336.94	6	551	36354	30193	6161
322+00	32200.00	50	5.61	411.70	7	693	36362	31059	5302
322+50	32250.00	50	7.57	488.99	12	834	36374	32102	4272
323+00	32300.00	50	6.82	582.02	13	992	36387	33341	3046
323+50	32350.00	50	9.79	765.82	15	1248	36403	34901	1501

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - WAUKESHA BYPASS (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
324+00	32400.00	50	10.27	641.59	19	1303	36421	36530	-109
324+50	32450.00	50	11.05	637.69	20	1185	36441	38011	-1570
325+00	32500.00	50	10.89	651.24	20	1193	36461	39503	-3041
325+50	32550.00	50	12.52	672.84	22	1226	36483	41035	-4552
326+00	32600.00	50	8.30	672.06	19	1245	36502	42592	-6090
326+50	32650.00	50	0.00	656.04	8	1230	36510	44129	-7619
327+00	32700.00	50	0.00	615.02	0	1177	36510	45600	-9090
327+50	32750.00	50	0.00	567.01	0	1094	36510	46968	-10458
328+00	32800.00	50	0.00	474.85	0	965	36510	48174	-11664
328+50	32850.00	50	0.00	275.97	0	695	36510	49043	-12533
329+00	32900.00	50	73.65	61.48	68	312	36578	49434	-12856
329+50	32950.00	50	262.88	14.57	312	70	36890	49522	-12632
330+00	33000.00	50	470.75	0.63	679	14	37569	49539	-11970
330+50	33050.00	50	510.43	2.85	909	3	38477	49543	-11066
331+00	33100.00	50	454.64	1.66	894	4	39371	49549	-10177
331+50	33150.00	50	328.36	3.27	725	5	40096	49554	-9458
332+00	33200.00	50	250.43	8.50	536	11	40632	49568	-8936
332+50	33250.00	50	158.78	12.62	379	20	41011	49592	-8581
333+00	33300.00	50	79.50	14.87	221	25	41232	49624	-8393
333+50	33350.00	50	44.72	33.31	115	45	41347	49680	-8333
334+00	33400.00	50	30.10	67.03	69	93	41416	49796	-8380
334+50	33450.00	50	23.39	103.24	50	158	41465	49993	-8528
335+00	33500.00	50	18.92	131.22	39	217	41505	50264	-8760
335+50	33550.00	50	18.45	122.42	35	235	41539	50558	-9019
336+00	33600.00	50	20.66	95.13	36	201	41575	50810	-9234
336+50	33650.00	50	13.55	110.24	32	190	41607	51048	-9441
337+00	33700.00	50	10.92	91.27	23	187	41630	51281	-9651
337+50	33750.00	50	14.21	69.93	23	149	41653	51467	-9814
338+00	33800.00	50	24.60	47.50	36	109	41689	51603	-9914
338+50	33850.00	50	40.96	23.78	61	66	41750	51686	-9936
339+00	33900.00	50	87.03	12.08	119	33	41868	51727	-9859
339+50	33950.00	50	110.05	13.93	182	24	42051	51757	-9707
340+00	34000.00	50	117.85	11.21	211	23	42262	51786	-9525
340+50	34050.00	50	118.25	0.00	219	10	42480	51799	-9319
341+00	34100.00	50	171.30	0.00	268	0	42748	51799	-9051
341+50	34150.00	50	133.72	3.37	282	3	43031	51803	-8773
342+00	34200.00	50	159.05	0.00	271	3	43302	51807	-8505
342+32 BK	34231.74	32	192.45	0.00	207	0	43508	51807	-8299
			COLUMN TOTALS		43508	41446			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 3 - WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
272+85 AH	27285.00	0	87.69	0.00	0	0	0	0	0
273+00	27300.00	15	79.64	0.00	46	0	46	0	46
273+50	27350.00	50	60.97	0.97	130	1	177	1	176
273+75	27375.00	25	60.90	0.00	56	0	233	2	231
273+75	27375.00	0	114.76	58.29	0	0	233	2	231
274+00	27400.00	25	94.27	0.00	97	27	330	35	294
274+50	27450.00	50	72.03	0.00	154	0	484	35	448
275+00	27500.00	50	37.62	0.01	102	0	585	35	550
275+50	27550.00	50	6.57	170.98	41	158	626	233	393
276+00	27600.00	50	0.00	296.05	6	432	632	774	-141
276+50	27650.00	50	0.00	358.04	0	606	632	1531	-899
277+00	27700.00	50	0.00	396.57	0	699	632	2404	-1772
277+50	27750.00	50	0.00	432.18	0	767	632	3364	-2731
278+00	27800.00	50	0.00	453.39	0	820	632	4388	-3756
278+50	27850.00	50	0.00	464.15	0	850	632	5450	-4818
279+00	27900.00	50	0.00	452.52	0	849	632	6511	-5879
279+50	27950.00	50	0.00	424.12	0	812	632	7526	-6894
280+00	28000.00	50	0.00	366.79	0	732	632	8441	-7809
280+50	28050.00	50	0.00	294.81	0	613	632	9207	-8575
281+00	28100.00	50	15.74	75.76	15	343	647	9636	-8989
281+50	28150.00	50	67.28	99.24	77	162	724	9839	-9115
282+00	28200.00	50	139.23	0.00	191	92	915	9953	-9038
282+50	28250.00	50	108.84	0.00	230	0	1145	9953	-8809
283+00	28300.00	50	110.95	21.49	204	20	1348	9978	-8630
283+50	28350.00	50	30.38	77.71	131	92	1479	10093	-8614
284+00	28400.00	50	33.31	101.83	59	166	1538	10301	-8763
284+50	28450.00	50	34.01	107.89	62	194	1600	10544	-8943
284+75 BK	28474.64	25	37.33	105.43	33	97	1633	10665	-9032
				COLUMN TOTALS	1633	8532			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 3 - WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
284+75 AH	28474.64	0	37.33	105.43	0	0	0	0	0
285+00	28500.00	25	41.12	105.37	37	99	37	124	-87
285+50	28550.00	50	47.09	91.99	82	183	119	352	-234
286+00	28600.00	50	40.87	79.06	81	158	200	550	-350
286+50	28650.00	50	37.81	72.16	73	140	273	725	-452
287+00	28700.00	50	50.02	26.37	81	91	354	839	-485
287+50	28750.00	50	77.53	16.64	118	40	472	889	-417
288+00	28800.00	50	100.08	8.28	164	23	637	918	-281
288+50	28850.00	50	81.55	0.00	168	8	805	927	-123
289+00	28900.00	50	82.44	0.00	152	0	957	927	29
289+50	28950.00	50	101.10	77.82	170	72	1127	1017	109
290+00	29000.00	50	0.00	73.32	94	140	1220	1192	28
290+50	29050.00	50	0.00	25.46	0	91	1220	1307	-86
291+00	29100.00	50	0.00	21.71	0	44	1220	1361	-141
291+50	29150.00	50	0.00	25.11	0	43	1220	1416	-195
292+00	29200.00	50	0.00	35.20	0	56	1220	1485	-265
292+50	29250.00	50	0.00	26.88	0	57	1220	1557	-337
293+00	29300.00	50	0.00	1.92	0	27	1220	1591	-370
293+50	29350.00	50	0.00	3.57	0	5	1220	1597	-377
294+00	29400.00	50	0.00	3.62	0	7	1220	1605	-385
294+50	29450.00	50	0.00	6.62	0	9	1220	1617	-397
295+00	29500.00	50	0.00	4.55	0	10	1220	1630	-410
295+50	29550.00	50	0.00	2.02	0	6	1220	1638	-417
296+00	29600.00	50	0.00	1.69	0	3	1220	1642	-422
296+50	29650.00	50	0.00	2.36	0	4	1220	1647	-426
297+00	29700.00	50	0.00	3.78	0	6	1220	1654	-433
297+50	29750.00	50	0.00	2.49	0	6	1220	1661	-441
298+00	29800.00	50	0.00	1.37	0	4	1220	1665	-445
298+50	29850.00	50	0.00	2.33	0	3	1220	1670	-449
299+00	29900.00	50	0.00	4.86	0	7	1220	1678	-458
299+50	29950.00	50	0.00	1.71	0	6	1220	1686	-465
300+00	30000.00	50	0.00	1.53	0	3	1220	1689	-469
300+50	30050.00	50	0.00	7.83	0	9	1220	1700	-480
301+00	30100.00	50	0.00	3.57	0	11	1220	1713	-493
301+50	30150.00	50	0.00	14.14	0	16	1220	1734	-514
302+00	30200.00	50	0.00	29.73	0	41	1220	1785	-564
302+50	30250.00	50	0.00	29.78	0	55	1220	1854	-633
303+00	30300.00	50	0.00	34.60	0	60	1220	1928	-708
303+50	30350.00	50	0.00	39.10	0	68	1220	2013	-793
304+00	30400.00	50	0.00	60.11	0	92	1220	2128	-908

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 3 - WAUKESHA BYPASS (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
304+50	30450.00	50	0.00	23.57	0	77	1220	2225	-1005
305+00	30500.00	50	0.00	0.00	0	22	1220	2252	-1032
305+50	30550.00	50	0.00	0.02	0	0	1220	2252	-1032
306+00	30600.00	50	0.00	6.79	0	6	1220	2260	-1040
306+50	30650.00	50	0.00	3.29	0	9	1220	2272	-1052
307+00	30700.00	50	0.00	5.84	0	8	1220	2282	-1062
307+50	30750.00	50	0.00	2.04	0	7	1220	2292	-1071
308+00	30800.00	50	0.00	5.94	0	7	1220	2301	-1081
308+50	30850.00	50	0.00	2.78	0	8	1220	2311	-1091
309+00	30900.00	50	0.00	1.57	0	4	1220	2316	-1096
309+50	30950.00	50	0.00	0.69	0	2	1220	2319	-1098
310+00	31000.00	50	0.00	0.19	0	1	1220	2320	-1099
310+50	31050.00	50	0.00	23.25	0	22	1220	2347	-1126
311+00	31100.00	50	0.00	24.33	0	44	1220	2402	-1181
311+50	31150.00	50	0.00	23.54	0	44	1220	2457	-1237
312+00	31200.00	50	0.00	23.73	0	44	1220	2512	-1292
312+50	31250.00	50	0.00	21.72	0	42	1220	2564	-1344
313+00	31300.00	50	0.00	21.83	0	40	1220	2615	-1395
313+50	31350.00	50	0.00	20.63	0	39	1220	2664	-1444
314+00	31400.00	50	0.00	20.00	0	38	1220	2711	-1491
314+50	31450.00	50	0.00	20.82	0	38	1220	2758	-1538
315+00	31500.00	50	0.00	20.55	0	38	1220	2806	-1586
315+50	31550.00	50	0.00	19.64	0	37	1220	2853	-1632
316+00	31600.00	50	0.00	19.89	0	37	1220	2898	-1678
316+50	31650.00	50	0.00	19.50	0	36	1220	2944	-1724
317+00	31700.00	50	0.00	19.35	0	36	1220	2989	-1769
317+50	31750.00	50	0.00	18.11	0	35	1220	3032	-1812
318+00	31800.00	50	0.00	18.02	0	33	1220	3074	-1854
318+50	31850.00	50	0.00	19.01	0	34	1220	3117	-1897
319+00	31900.00	50	0.00	20.01	0	36	1220	3162	-1942
319+50	31950.00	50	0.00	19.62	0	37	1220	3208	-1988
320+00	32000.00	50	0.00	20.83	0	37	1220	3255	-2035
320+50	32050.00	50	0.00	19.26	0	37	1220	3301	-2081
321+00	32100.00	50	0.00	21.29	0	38	1220	3348	-2128
321+50	32150.00	50	0.00	20.60	0	39	1220	3397	-2176
322+00	32200.00	50	0.00	19.51	0	37	1220	3443	-2223
322+50	32250.00	50	0.00	21.81	0	38	1220	3491	-2271
323+00	32300.00	50	0.00	23.38	0	42	1220	3543	-2323
323+50	32350.00	50	0.00	20.57	0	41	1220	3594	-2374

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 3 - WAUKESHA BYPASS (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT	INCREMENTAL VOL (CY) (UNADJUSTED) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE
324+00	32400.00	50	0.00	23.54	0	41	1220	3645	-2425
324+50	32450.00	50	0.00	24.17	0	44	1220	3700	-2480
325+00	32500.00	50	0.00	22.91	0	44	1220	3755	-2535
325+50	32550.00	50	0.00	21.16	0	41	1220	3806	-2586
326+00	32600.00	50	0.00	19.49	0	38	1220	3853	-2633
326+50	32650.00	50	0.00	19.62	0	36	1220	3898	-2678
327+00	32700.00	50	0.00	19.47	0	36	1220	3943	-2723
327+50	32750.00	50	0.00	17.50	0	34	1220	3986	-2766
328+00	32800.00	50	0.00	17.84	0	33	1220	4027	-2807
328+50	32850.00	50	0.00	18.61	0	34	1220	4069	-2849
329+00	32900.00	50	8.00	31.21	7	46	1228	4127	-2899
329+50	32950.00	50	40.00	21.14	44	48	1272	4188	-2915
330+00	33000.00	50	74.00	23.83	106	42	1378	4240	-2862
330+50	33050.00	50	60.00	28.24	124	48	1502	4300	-2798
331+00	33100.00	50	148.82	25.55	193	50	1695	4362	-2667
331+50	33150.00	50	131.06	27.80	259	49	1954	4424	-2470
332+00	33200.00	50	148.85	33.85	259	57	2213	4495	-2282
332+50	33250.00	50	143.37	59.86	271	87	2484	4604	-2120
333+00	33300.00	50	141.59	46.63	264	99	2748	4727	-1979
333+50	33350.00	50	133.15	43.06	254	83	3002	4831	-1829
334+00	33400.00	50	85.09	40.64	202	78	3204	4928	-1723
334+50	33450.00	50	78.42	74.82	151	107	3356	5061	-1706
335+00	33500.00	50	75.91	96.56	143	159	3499	5260	-1761
335+50	33550.00	50	68.85	116.58	134	197	3633	5506	-1874
336+00	33600.00	50	57.23	133.93	117	232	3749	5796	-2047
336+50	33650.00	50	47.93	155.97	97	268	3847	6132	-2285
337+00	33700.00	50	60.69	142.66	101	277	3947	6477	-2530
337+50	33750.00	50	85.47	156.08	135	277	4083	6823	-2741
338+00	33800.00	50	123.29	149.79	193	283	4276	7177	-2901
338+50	33850.00	50	138.97	109.00	243	240	4519	7477	-2958
339+00	33900.00	50	142.60	84.78	261	179	4780	7701	-2922
339+50	33950.00	50	152.11	141.44	273	209	5052	7963	-2910
340+00	34000.00	50	39.32	1.94	177	133	5230	8129	-2899
340+50	34050.00	50	66.16	0.00	98	2	5327	8131	-2804
341+00	34100.00	50	37.32	0.00	96	0	5423	8131	-2708
341+50	34150.00	50	77.46	81.55	106	76	5529	8225	-2696
342+00	34200.00	50	98.02	42.37	162	115	5692	8369	-2677
342+32 BK	34231.74	32	98.72	31.59	116	43	5808	8423	-2616
			COLUMN TOTALS		5808	6739			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 4- WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
273+75 AH	27375.00	0	36.78	0.00	0	0	0	0	0
274+00	27400.00	25	38.35	0.00	35	0	35	0	35
274+50	27450.00	50	50.70	0.00	82	0	117	0	117
275+00	27500.00	50	38.14	0.00	82	0	199	0	199
275+50	27550.00	50	19.53	-0.01	53	0	253	0	253
276+00	27600.00	50	0.00	23.46	18	22	271	27	244
276+50	27650.00	50	0.00	44.72	0	63	271	106	165
277+00	27700.00	50	0.00	58.79	0	96	271	226	45
277+50	27750.00	50	0.00	69.13	0	118	271	374	-103
278+00	27800.00	50	0.00	76.17	0	135	271	542	-271
278+50	27850.00	50	0.00	76.83	0	142	271	719	-448
279+00	27900.00	50	0.00	71.24	0	137	271	891	-620
279+50	27950.00	50	0.00	60.34	0	122	271	1043	-772
280+00	28000.00	50	0.00	44.29	0	97	271	1164	-893
280+50	28050.00	50	0.00	23.79	0	63	271	1243	-972
281+00	28100.00	50	25.59	0.00	24	22	295	1270	-976
281+50	28150.00	50	56.07	0.00	76	0	370	1270	-900
281+72 BK	28172.27	22	53.00	1.00	45	0	415	1271	-856
283+15 AH	28315.48	0	43.50	4.00	0	0	0	0	0
283+50	28350.00	35	48.59	0.00	59	3	59	3	56
284+00	28400.00	50	48.35	0.00	90	0	149	3	145
284+50	28450.00	50	51.10	0.00	92	0	241	3	238
284+75 BK	28474.64	25	47.00	1.50	45	1	285	4	281
			COLUMN TOTALS		701	1020			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 4 - WAUKESHA BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
284+75 AH	28474.64	0	48.00	1.50	0	0	0	0	0
285+00	28500.00	25	53.13	0.00	47	1	47	1	47
285+50	28550.00	50	52.62	0.00	98	0	145	1	145
286+00	28600.00	50	63.09	0.00	107	0	253	1	252
286+50	28650.00	50	61.98	0.00	116	0	368	1	367
287+00	28700.00	50	64.55	0.00	117	0	486	1	485
287+50	28750.00	50	48.87	0.01	105	0	591	1	590
288+00	28800.00	50	51.38	0.00	93	0	683	1	682
288+50	28850.00	50	64.74	0.00	108	0	791	1	790
289+00	28900.00	50	63.98	0.00	119	0	910	1	909
289+50	28950.00	50	46.57	0.00	102	0	1012	1	1012
290+00	29000.00	50	49.33	0.00	89	0	1101	1	1100
290+50	29050.00	50	48.50	0.01	91	0	1192	1	1191
291+00	29100.00	50	43.78	0.00	85	0	1277	1	1276
291+50	29150.00	50	40.65	0.00	78	0	1355	1	1354
292+00	29200.00	50	37.49	0.00	72	0	1428	1	1427
292+50	29250.00	50	36.53	0.00	69	0	1496	1	1495
293+00	29300.00	50	17.64	5.10	50	5	1546	7	1540
293+50	29350.00	50	15.00	6.00	30	10	1577	20	1557
293+87 BK	29386.54	37	12.00	8.00	18	9	1595	31	1563
300+10 AH	30010.25	0	1.50	16.00	0	0	0	0	0
300+50	30050.00	40	1.51	15.79	2	23	2	29	-27
301+00	30100.00	50	3.80	10.18	5	24	7	59	-52
301+50	30150.00	50	6.51	0.00	10	9	17	71	-54
302+00	30200.00	50	6.32	0.00	12	0	29	71	-43
302+50	30250.00	50	7.08	0.00	12	0	41	71	-30
303+00	30300.00	50	7.11	0.00	13	0	54	71	-17
303+50	30350.00	50	6.86	0.00	13	0	67	71	-4
304+00	30400.00	50	2.72	0.00	9	0	76	71	5
304+50	30450.00	50	1.40	0.00	4	0	80	71	9
305+00	30500.00	50	14.46	2.35	15	2	94	74	21
305+50	30550.00	50	13.68	2.28	26	4	120	79	41
306+00	30600.00	50	29.24	0.00	40	2	160	82	78
306+50	30650.00	50	24.97	0.00	50	0	210	82	129
307+00	30700.00	50	24.40	1.37	46	1	256	83	173
307+50	30750.00	50	24.15	1.35	45	3	301	87	215
308+00	30800.00	50	20.43	1.74	41	3	342	90	252
308+50	30850.00	50	20.16	1.42	38	3	380	94	286
309+00	30900.00	50	18.54	0.74	36	2	416	96	319
309+50	30950.00	50	6.86	7.83	24	8	439	106	333
310+00	31000.00	50	0.99	21.51	7	27	446	140	306
310+08 BK	31007.68	8	0.50	22.00	0	6	447	148	299

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 4 - WAUKESHA BYPASS (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
333+43 AH	33342.79	0	0.00	12.00	0	0	0	0	0
333+50	33350.00	7	0.00	12.20	0	3	0	4	-4
334+00	33400.00	50	0.00	12.53	0	23	0	33	-33
334+50	33450.00	50	0.00	13.39	0	24	0	63	-63
335+00	33500.00	50	0.00	14.69	0	26	0	95	-95
335+50	33550.00	50	15.69	16.22	15	29	15	131	-116
336+00	33600.00	50	14.35	18.14	28	32	42	171	-128
336+50	33650.00	50	13.29	24.83	26	40	68	220	-153
337+00	33700.00	50	15.37	14.79	27	37	94	266	-172
337+50	33750.00	50	17.20	6.67	30	20	125	291	-167
338+00	33800.00	50	18.60	4.19	33	10	158	304	-146
338+50	33850.00	50	19.99	3.23	36	7	194	312	-119
339+00	33900.00	50	20.46	3.05	37	6	231	320	-89
339+50	33950.00	50	31.21	0.00	48	3	279	323	-44
340+00	34000.00	50	58.66	0.00	83	0	362	323	39
340+50	34050.00	50	70.22	0.00	119	0	481	323	158
341+00	34100.00	50	49.64	0.00	111	0	592	323	269
341+50	34150.00	50	24.96	0.01	69	0	661	323	338
342+00	34200.00	50	32.10	0.00	53	0	714	323	391
342+32 BK	34231.74	32			38	0	752	323	429
				COLUMN TOTALS	2794	402			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 2 - FIDDLERS CREEK DR

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
48+42 AH	4842.00	0	63.45	0.47	0	0	0	0	0
48+50	4850.00	8	64.33	0.66	19	0	19	0	19
49+00	4900.00	50	113.74	9.41	165	9	184	12	172
49+50 BK	4950.00	50	184.91	15.15	277	23	460	40	420
				COLUMN TOTALS	460	32			

2788-02-70 - DIVISION 3 - FIDDLERS CREEK DR

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
50+50 AH	5050.00	0	141.66	11.94	0	0	0	0	0
51+00	5100.00	50	56.02	8.31	183	19	183	23	160
51+50	5150.00	50	73.83	0.00	120	8	303	33	270
51+53 BK	5153.00	3	74.39	0.00	8	0	312	33	278
				COLUMN TOTALS	312	26			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 1 - USH 18/SUMMIT AVE TEMPORARY

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
41+50 AH	4150.00	0	0.00	0.00	0	0	0	0	0
42+00	4200.00	50	5.68	54.04	5	50	5	63	-57
42+50	4250.00	50	5.57	49.51	10	96	16	182	-167
43+00	4300.00	50	18.72	0.00	22	46	38	240	-202
43+50	4350.00	50	9.19	30.26	26	28	64	275	-211
44+00	4400.00	50	6.61	85.38	15	107	79	409	-330
44+50	4450.00	50	6.13	108.41	12	179	90	633	-542
45+00	4500.00	50	3.65	116.90	9	209	99	894	-794
45+50	4550.00	50	4.55	94.38	8	196	107	1138	-1031
46+00	4600.00	50	5.74	81.57	10	163	117	1342	-1225
46+50	4650.00	50	6.21	87.81	11	157	128	1538	-1410
47+00	4700.00	50	7.75	46.59	13	124	141	1693	-1553
47+50	4750.00	50	10.13	28.65	17	70	157	1780	-1623
48+00	4800.00	50	9.15	8.27	18	34	175	1823	-1648
48+50	4850.00	50	71.66	0.35	75	8	250	1833	-1583
49+00	4900.00	50	148.92	0.00	204	0	454	1834	-1380
49+50	4950.00	50	105.83	0.00	236	0	690	1834	-1144
50+00	5000.00	50	91.74	0.00	183	0	873	1834	-961
50+50	5050.00	50	11.52	0.00	96	0	969	1834	-865
51+00	5100.00	50	36.14	62.04	44	57	1013	1905	-893
51+50	5150.00	50	34.06	23.79	65	79	1078	2005	-927
52+00	5200.00	50	33.76	4.17	63	26	1140	2037	-897
52+50	5250.00	50	32.02	3.84	61	7	1201	2046	-845
53+00	5300.00	50	35.86	0.48	63	4	1264	2051	-787
53+50	5350.00	50	43.09	0.00	73	0	1337	2052	-715
54+00	5400.00	50	22.04	0.00	60	0	1398	2052	-654
54+50	5450.00	50	21.48	0.00	40	0	1438	2052	-614
55+00	5500.00	50	24.68	0.00	43	0	1481	2052	-571
55+50	5550.00	50	30.95	0.00	52	0	1532	2052	-520
56+00	5600.00	50	13.83	0.22	41	0	1574	2052	-479
56+50	5650.00	50	19.58	0.00	31	0	1605	2052	-448
57+00	5700.00	50	13.96	0.00	31	0	1636	2052	-417
57+50	5750.00	50	5.99	14.30	18	13	1654	2069	-415
58+00	5800.00	50	9.17	13.34	14	26	1668	2101	-433
58+50	5850.00	50	9.51	17.19	17	28	1685	2136	-451
59+00	5900.00	50	9.29	17.49	17	32	1703	2176	-474
59+50	5950.00	50	8.85	16.59	17	32	1720	2216	-496
60+00	6000.00	50	24.67	0.00	31	15	1751	2235	-484
60+50	6050.00	50	3.23	15.38	26	14	1776	2253	-476
61+00 BK	6100.00	50	0.00	0.00	3	14	1779	2271	-491
			COLUMN TOTALS		1779	1817			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 2 - USH 18/SUMMIT AVE

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
38+50 AH	3850.00	0	18.74	11.92	0	0	0	0	0
39+00	3900.00	50	17.19	21.05	33	31	33	38	-5
39+50	3950.00	50	29.02	0.00	43	19	76	63	14
40+00	4000.00	50	17.81	57.80	43	54	119	129	-10
40+46	4046.01	46	35.79	102.65	46	137	165	300	-135
40+46	4046.01	0	61.42	147.90	0	0	165	300	-135
40+50	4050.00	4	62.83	154.48	9	22	174	328	-154
41+00	4100.00	50	54.57	308.48	109	429	283	864	-581
41+50	4150.00	50	49.31	299.46	96	563	379	1568	-1189
42+00	4200.00	50	89.11	196.39	128	459	507	2142	-1634
42+50	4250.00	50	75.06	194.18	152	362	659	2594	-1934
42+50	4250.00	0	196.88	204.27	0	0	659	2594	-1934
43+00	4300.00	50	178.38	0.00	347	189	1007	2830	-1823
43+50	4350.00	50	208.39	0.03	358	0	1365	2830	-1465
44+00	4400.00	50	269.12	268.32	442	248	1807	3141	-1334
44+50	4450.00	50	288.22	234.45	516	466	2323	3723	-1400
45+00	4500.00	50	294.49	232.54	540	432	2863	4263	-1400
45+50	4550.00	50	260.60	210.21	514	410	3377	4776	-1399
46+00	4600.00	50	308.20	186.64	527	367	3903	5235	-1332
46+50	4650.00	50	335.90	70.71	596	238	4500	5533	-1033
47+00	4700.00	50	343.37	36.68	629	99	5129	5657	-528
47+50	4750.00	50	342.42	25.41	635	57	5764	5729	35
48+00	4800.00	50	345.02	20.72	637	43	6400	5782	618
48+50	4850.00	50	345.78	29.87	640	47	7040	5841	1199
49+00	4900.00	50	334.48	0.00	630	28	7670	5875	1794
49+50 BK	4950.00	50	333.98	0.00	619	0	8289	5875	2413
				COLUMN TOTALS	8289	4700			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 3 - USH 18/SUMMIT AVE

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
50+50 AH	5050.00	0	234.10	0.00	0	0	0	0	0
51+00	5100.00	50	330.31	25.61	523	24	523	30	493
51+50	5150.00	50	322.81	48.29	605	68	1127	115	1012
52+00	5200.00	50	321.12	33.98	596	76	1724	210	1513
52+50	5250.00	50	332.78	23.46	605	53	2329	277	2052
53+00	5300.00	50	310.36	33.83	595	53	2925	343	2581
53+50	5350.00	50	322.25	44.10	586	72	3510	433	3077
54+00	5400.00	50	305.04	62.77	581	99	4091	557	3534
54+50	5450.00	50	301.47	72.16	562	125	4653	713	3939
55+00	5500.00	50	304.34	76.08	561	137	5214	885	4329
55+50	5550.00	50	316.70	61.14	575	127	5789	1044	4745
56+00	5600.00	50	286.92	0.00	559	57	6348	1114	5233
56+50	5650.00	50	269.47	0.00	515	0	6863	1114	5748
57+00	5700.00	50	395.67	96.15	616	89	7479	1226	6253
57+50	5750.00	50	238.45	60.67	587	145	8066	1407	6659
58+00	5800.00	50	219.30	64.49	424	116	8490	1552	6938
58+50	5850.00	50	207.61	63.12	395	118	8885	1700	7185
59+00	5900.00	50	188.90	50.33	367	105	9252	1831	7421
59+50	5950.00	50	168.75	40.80	331	84	9583	1937	7647
59+70	5969.56	20	162.53	37.11	120	28	9703	1972	7731
59+70	5969.56	0	101.49	36.48	0	0	9703	1972	7731
60+00	6000.00	30	119.41	0.02	125	21	9828	1998	7830
60+50	6050.00	50	88.24	27.63	192	26	10020	2030	7990
61+00	6100.00	50	73.08	46.17	149	68	10169	2115	8054
61+50	6150.00	50	77.32	49.11	139	88	10309	2225	8083
62+00	6200.00	50	95.78	41.07	160	84	10469	2330	8139
62+34 BK	6233.94	34	67.25	0.00	102	26	10571	2362	8209
			COLUMN TOTALS		10571	1889			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - DRIVEWAY

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
48+25 AH	4825.00	0	43.84	0.00	0	0	0	0	0
48+50	4850.00	25	34.62	12.76	36	6	36	7	29
49+00	4900.00	50	28.89	59.60	59	67	95	91	4
49+50 BK	4950.00	50	116.70	46.61	135	98	230	214	16
				COLUMN TOTALS	230	171			

2788-00-72 - DIVISION 3 - DRIVEWAY

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
50+50	5050.00	0	279.77	5.50	0	0	0	0	0
51+00	5100.00	50	182.72	0.85	428	6	428	7	421
51+15	5115.00	15	173.11	0.16	99	0	527	8	519
51+15	5115.00	0	42.12	0.00	0	0	527	8	519
51+50	5150.00	35	31.81	0.00	48	0	575	8	567
				COLUMN TOTALS	575	6			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - COLDWATER CREEK DRIVE

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
48+00 AH	4800.00	0	82.34	0.83	0	0	0	0	0
48+50	4850.00	50	86.37	6.64	156	7	156	9	148
49+00	4900.00	50	77.92	14.39	152	19	308	33	275
49+50 BK	4950.00	50	144.87	48.28	206	58	515	106	409
				COLUMN TOTALS	515	84			

2788-00-72 - DIVISION 3 - COLDWATER CREEK DRIVE

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
50+50 AH	5050.00	0	91.12	3.86	0	0	0	0	0
51+00	5100.00	50	77.47	30.10	156	31	156	39	117
51+50	5150.00	50	152.40	4.53	213	32	369	79	290
52+00	5200.00	50	131.11	0.67	263	5	631	85	546
52+50	5250.00	50	106.44	0.00	220	1	851	86	765
52+75 BK	5275.00	25	70.97	0.76	82	0	934	87	847
				COLUMN TOTALS	934	69			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-00-72 - DIVISION 2 - NORTHVIEW ROAD

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
44+00 AH	4400.00	0	0.00	2.26	0	0	0	0	0
44+50	4450.00	50	2.90	12.78	3	14	3	17	-15
44+50	4450.00	0	46.20	8.41	0	0	3	17	-15
45+00	4500.00	50	43.25	11.56	83	18	86	41	45
45+50	4550.00	50	29.62	18.45	67	28	153	75	78
46+00	4600.00	50	33.48	14.84	58	31	211	114	98
46+50	4650.00	50	72.06	10.01	98	23	309	143	167
47+00	4700.00	50	80.79	13.07	142	21	451	169	281
47+50	4750.00	50	131.13	4.90	196	17	647	190	457
48+00	4800.00	50	279.61	0.00	380	5	1027	196	831
48+50	4850.00	50	228.37	0.00	470	0	1498	196	1302
49+00	4900.00	50	329.57	0.45	517	0	2014	196	1818
49+50 BK	4950.00	50	223.12	0.00	512	0	2526	197	2329
				COLUMN TOTALS	2526	157			

2788-00-72 - DIVISION 3 - NORTHVIEW ROAD

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
50+50 AH	5050.00	5050	98.29	34.10	0	0	0	0	0
51+00	5100.00	50	0.54	150.61	92	171	92	214	-122
51+50	5150.00	50	0.00	505.35	1	607	92	973	-881
52+00	5200.00	50	0.00	567.65	0	994	92	2215	-2123
52+50	5250.00	50	0.00	512.11	0	1000	92	3465	-3373
53+00	5300.00	50	0.00	371.11	0	818	92	4487	-4395
53+50	5350.00	50	0.00	356.57	0	674	92	5329	-5237
54+00	5400.00	50	0.00	275.38	0	585	92	6061	-5969
54+50	5450.00	50	0.67	172.51	1	415	93	6579	-6486
55+00	5500.00	50	8.80	87.67	9	241	101	6880	-6779
55+50	5550.00	50	3.67	24.98	12	104	113	7010	-6897
56+00	5600.00	50	26.83	5.16	28	28	141	7045	-6904
56+50	5650.00	50	58.01	0.28	79	5	220	7052	-6832
56+65 BK	5665.00	15	69.09	0.00	35	0	255	7052	-6797
				COLUMN TOTALS	255	5641			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 2 - TORHORST RD

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
10+39 AH	1038.75	0	135.29	0.30	0	0	0	0	0
10+50	1050.00	11	11.23	211.72	31	44	31	55	-25
11+00	1100.00	50	23.52	104.60	32	293	63	421	-359
11+50	1150.00	50	26.86	12.95	47	109	109	557	-448
11+90 BK	1190.00	40	48.77	0.61	56	10	165	570	-405
				COLUMN TOTALS	165	456			

2788-02-70 - DIVISION 2 - TURNBERRY OAK DR

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
8+87 AH	887.15	0	54.50	0.00	0	0	0	0	0
9+00	900.00	13	66.34	23.24	29	6	29	7	22
9+50 BK	950.00	50	24.83	44.09	84	62	113	85	28
				COLUMN TOTALS	113	68			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

2788-02-70 - DIVISION 3 - DWY_US_5613

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
8+75 AH	875.00	0	56.29	0.00	0	0	0	0	0
9+00	900.00	25	21.22	13.68	36	6	36	8	28
9+50	950.00	50	49.82	8.39	66	20	102	33	68
9+60 BK	960.00	10	214.06	0.00	49	2	151	35	115
				COLUMN TOTALS	151	28			

2788-02-70 - DIVISION 3 - DWY_US_5617

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
10+43 AH	1043.00	0	263.39	0.00	0	0	0	0	0
10+50	1050.00	7	141.87	0.00	53	0	53	0	53
11+00	1100.00	50	105.46	0.00	229	0	282	0	282
11+39 BK	1138.86	39	60.29	0.00	119	0	401	0	401
				COLUMN TOTALS	401	0			

NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]

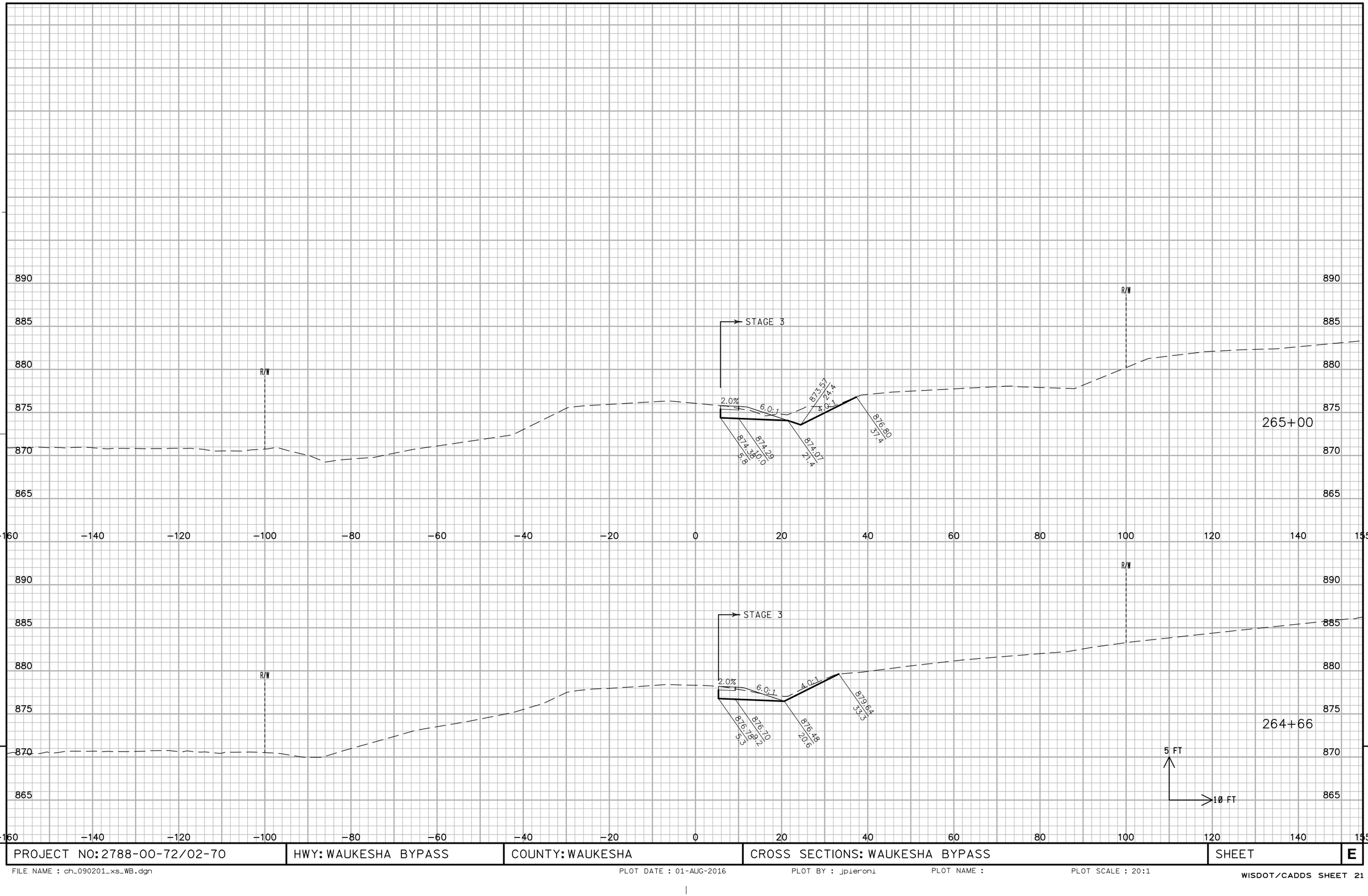
2788-00-72 - DIVISION 3 - DWY_NV_5272

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
10+42 AH	1041.63	0	0.00	264.63	0	0	0	0	0
10+50	1050.00	8	0.00	230.06	0	77	0	96	-96
11+00	1100.00	50	0.00	67.32	0	275	0	440	-440
11+50	1150.00	50	3.29	0.00	3	62	3	518	-515
12+00 BK	1200.00	50	1.68	0.00	5	0	8	518	-510
				COLUMN TOTALS	8	414			

2788-00-72 - DIVISION 2 - DRY POND 324

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 2	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	MASS ORDINATE NOTE 3
DP324					975	750	975	937	38
				COLUMN TOTALS	975	750			

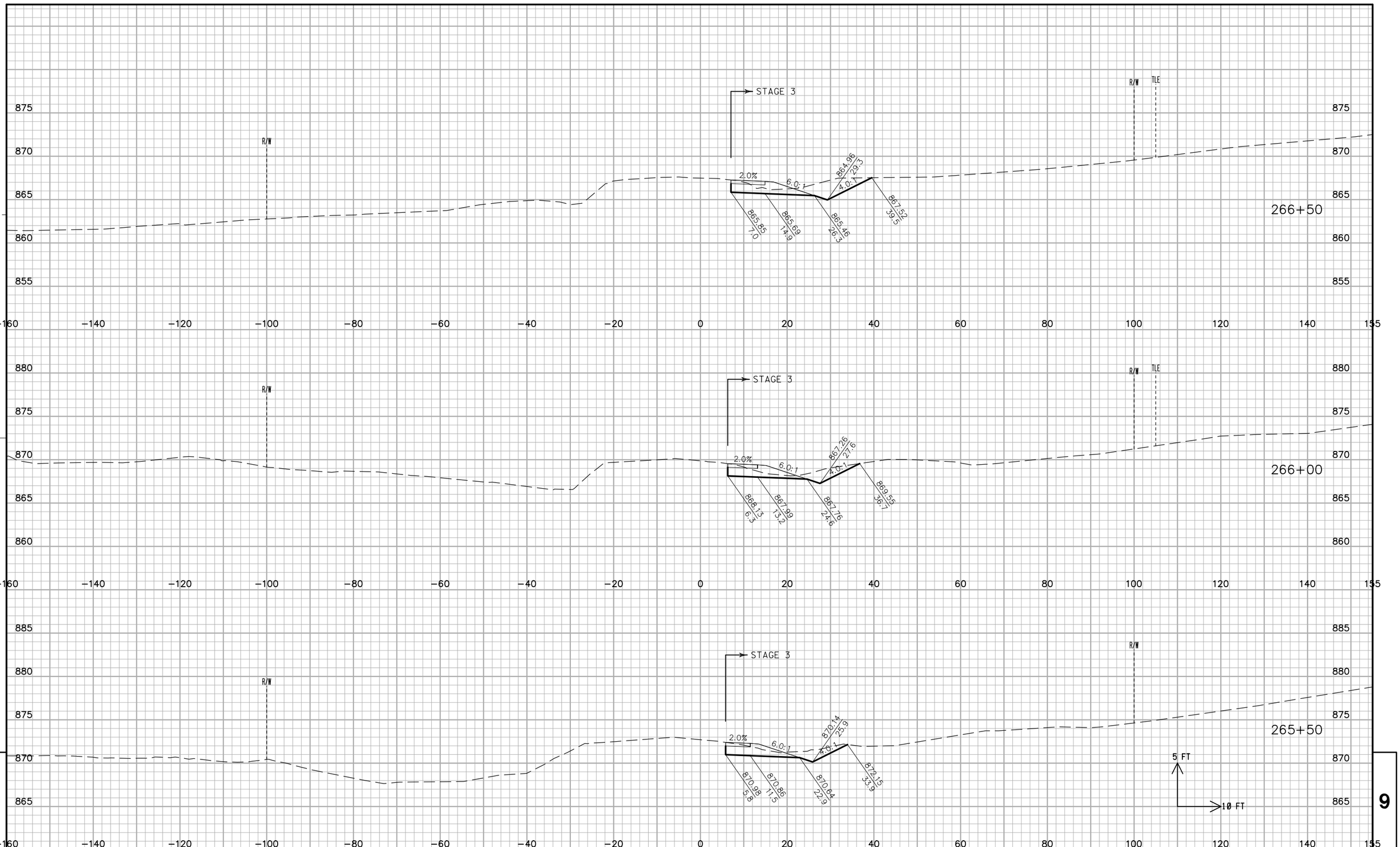
NOTES:	
1 - CUT	CUT DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVMENT MATERIAL IS CALCULATED ON THE THE SUMMARY SHEET.
3 - MASS ORDINATE	[(CUT) - ((FILL) * FILL FACTOR)]



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



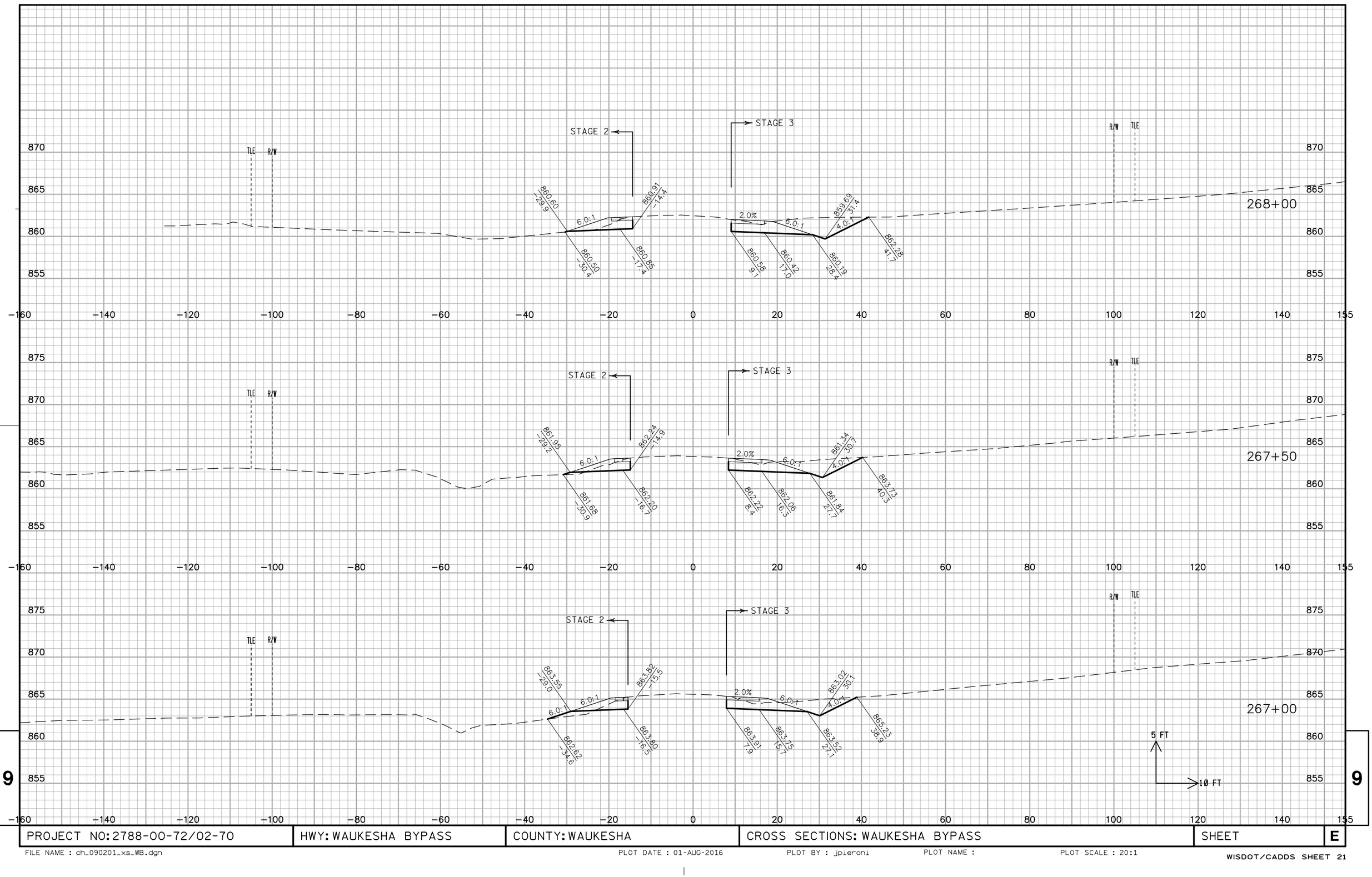
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

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FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



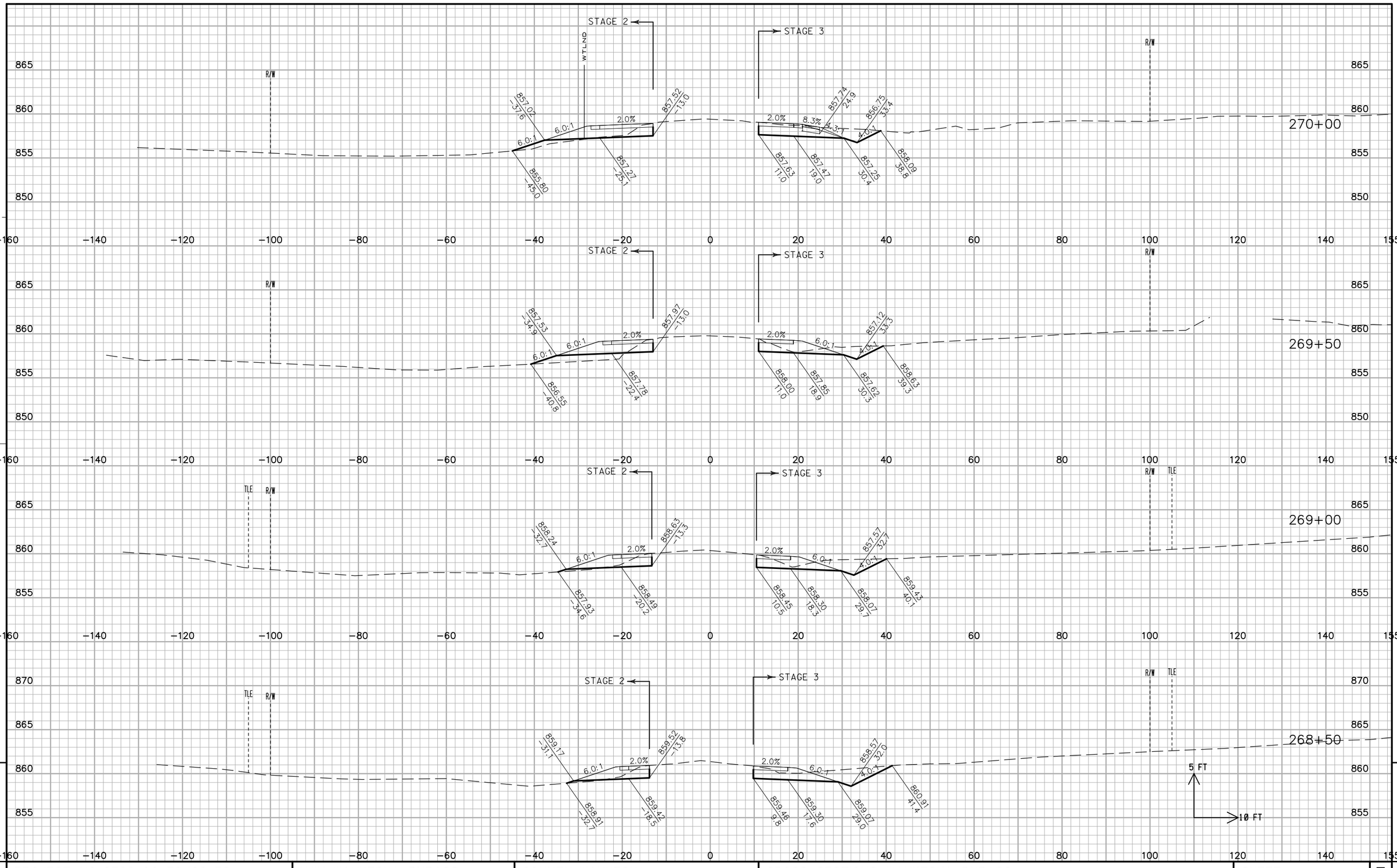
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

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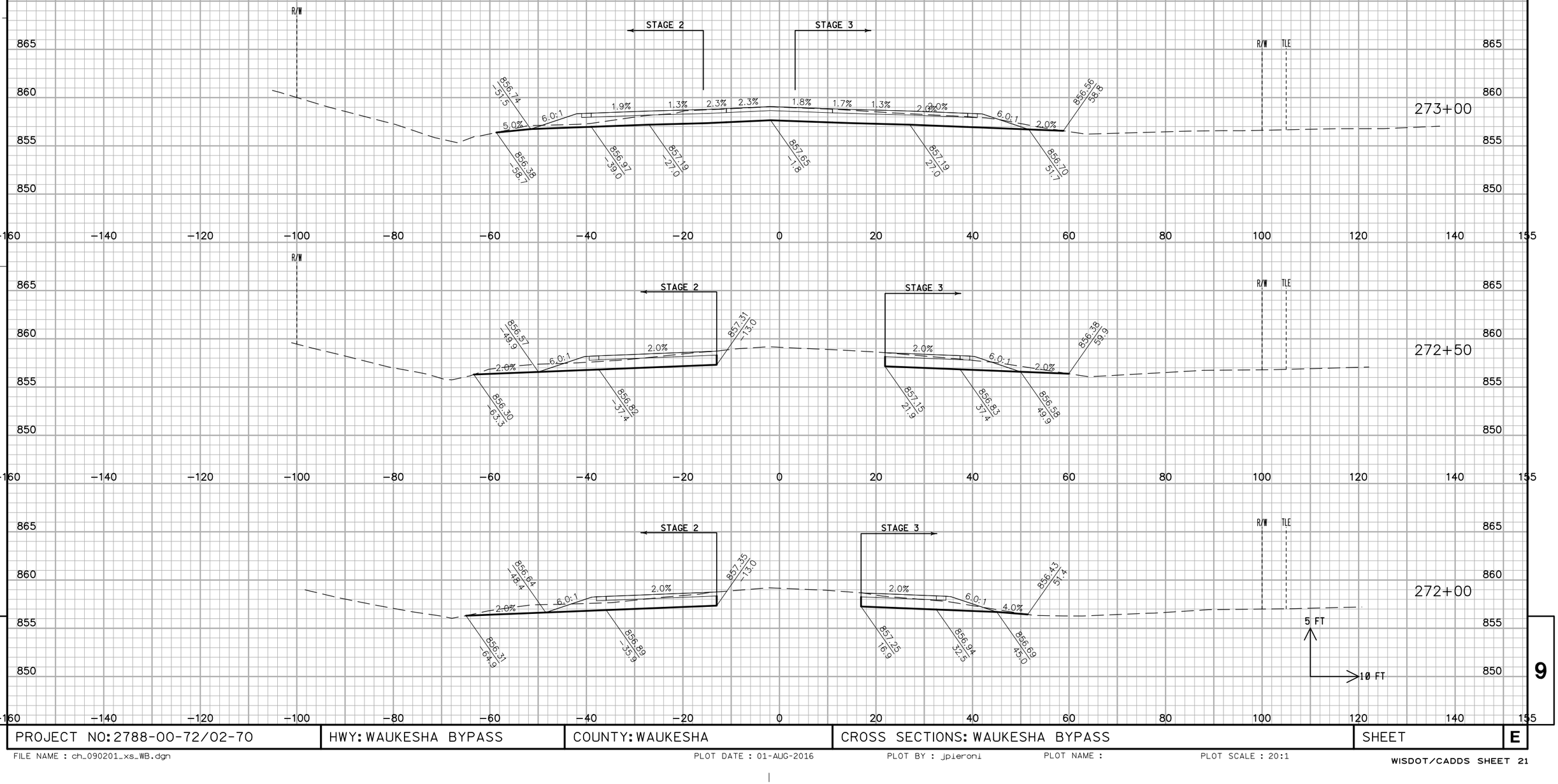
WISDOT/CADDS SHEET 21

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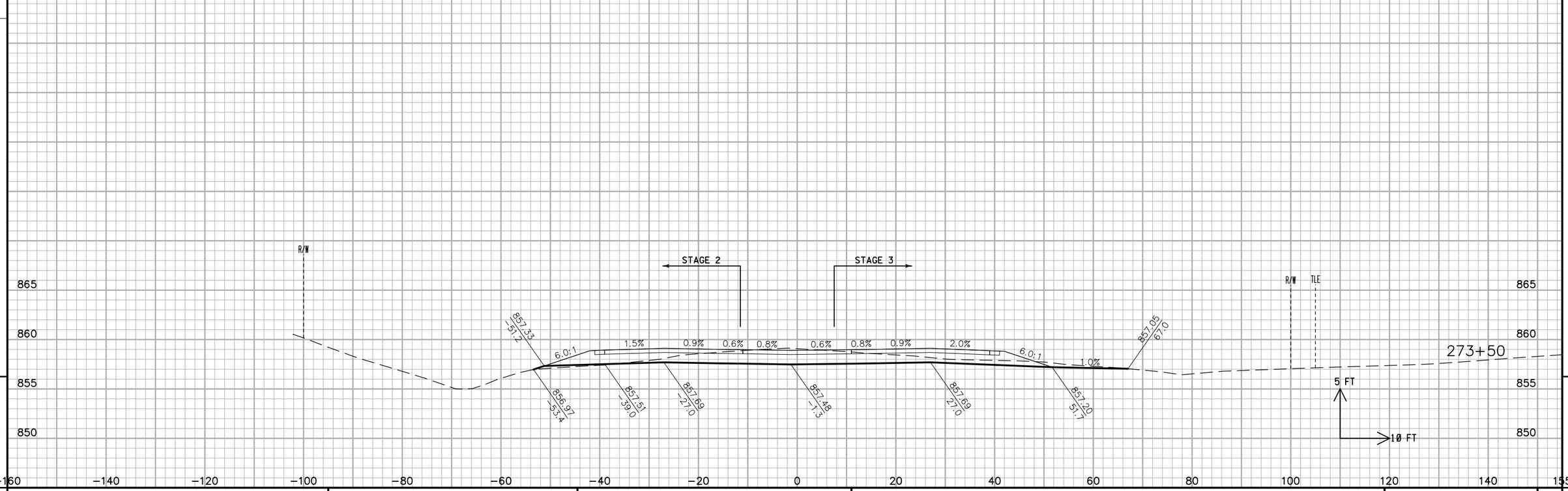
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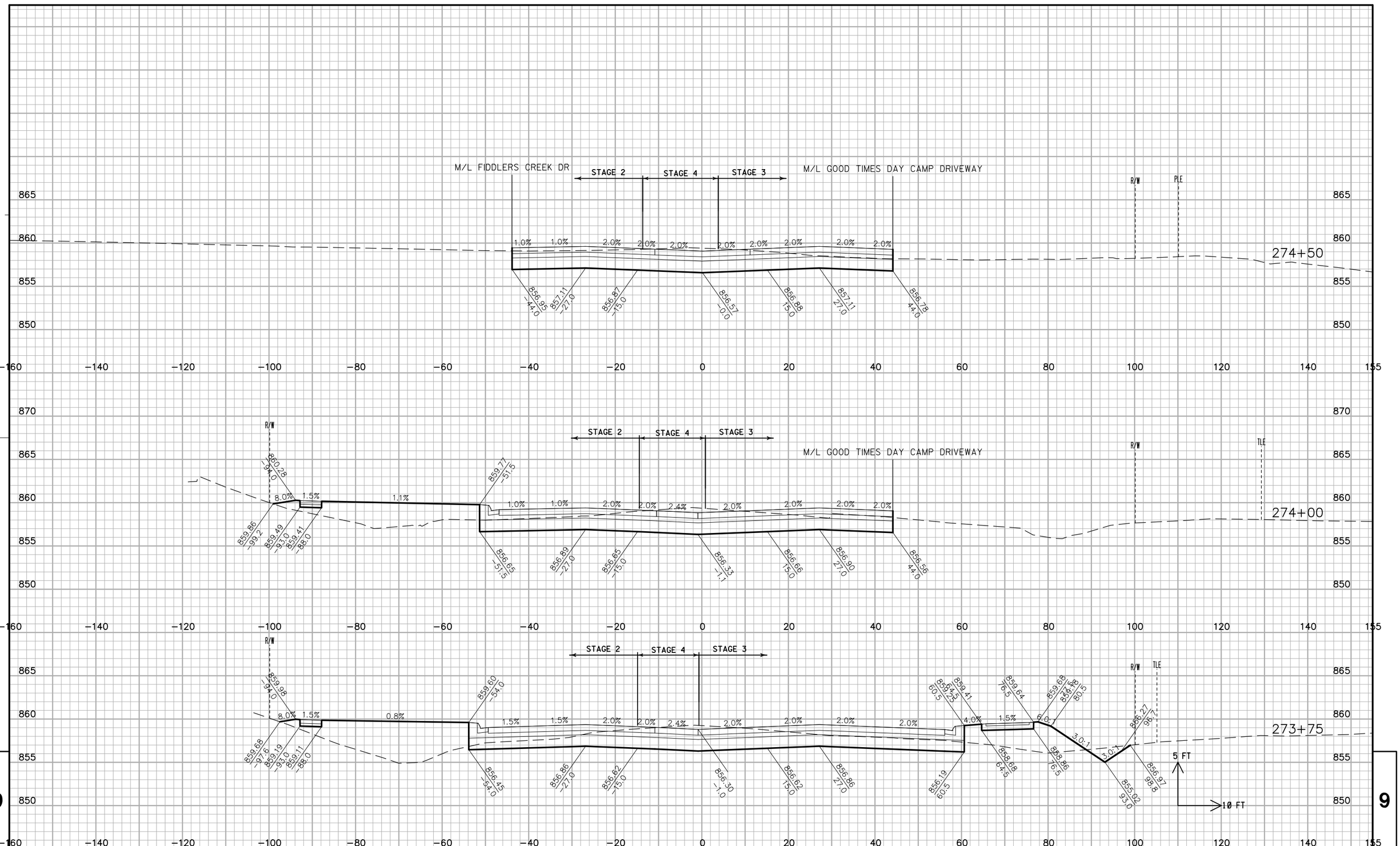


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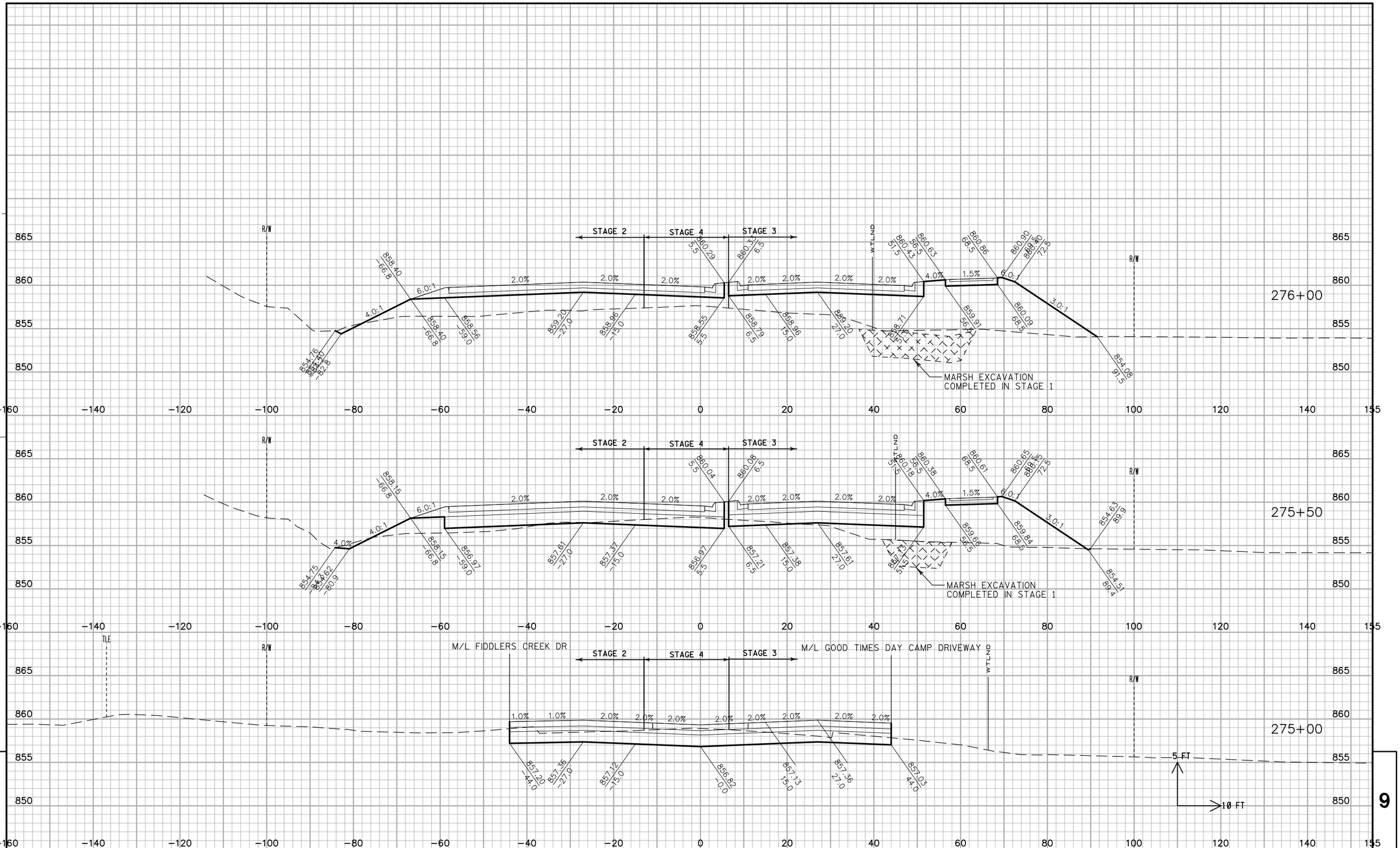
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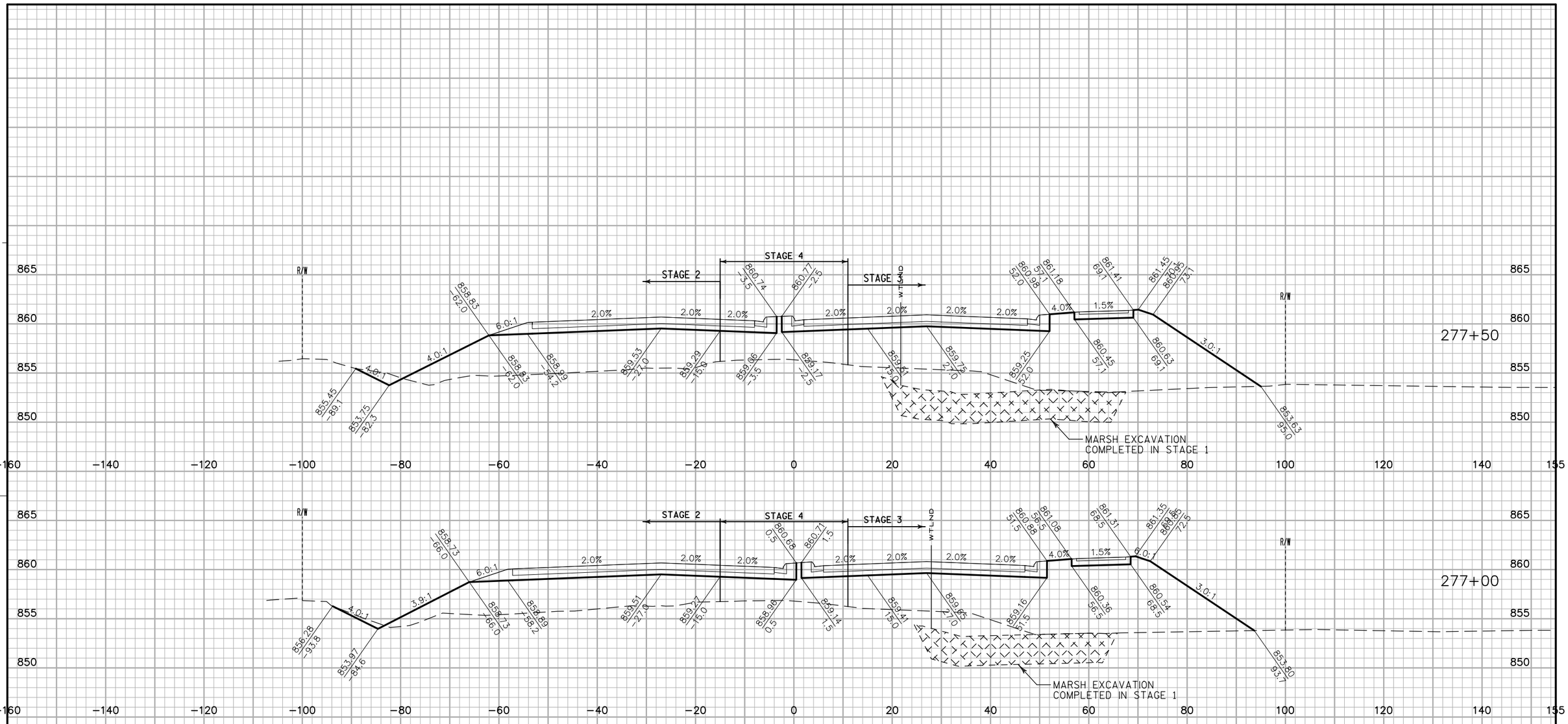
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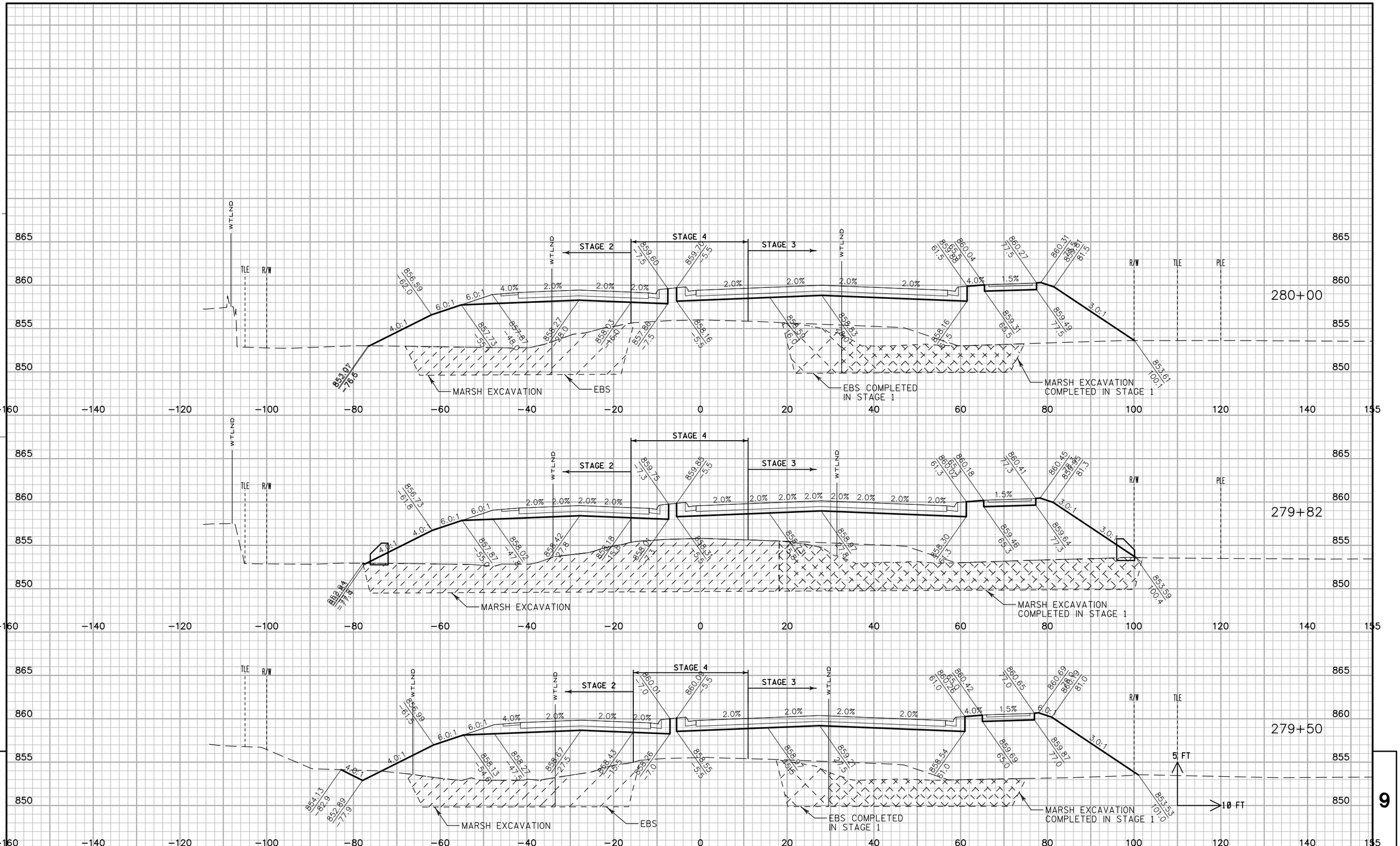


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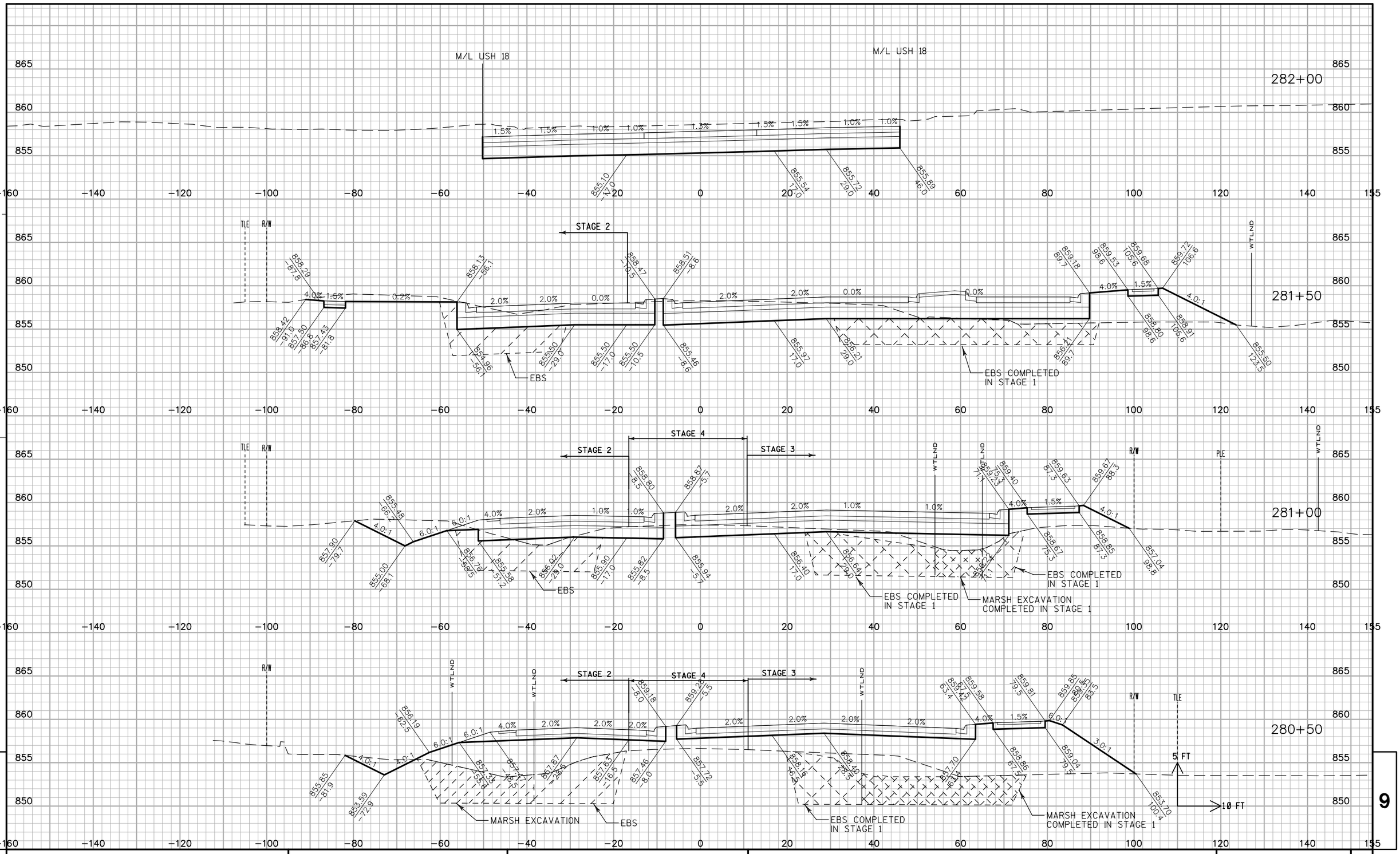
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

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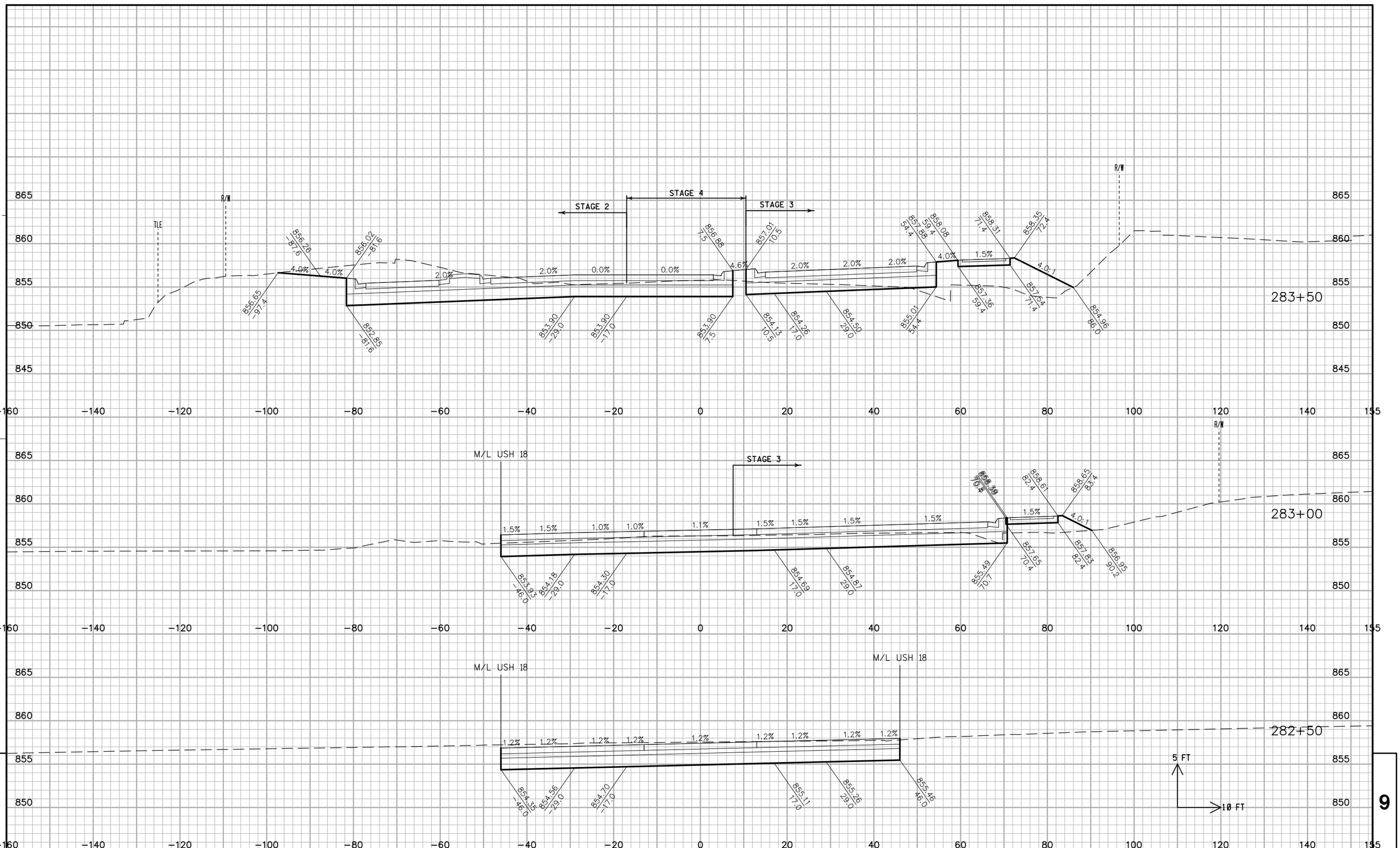
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

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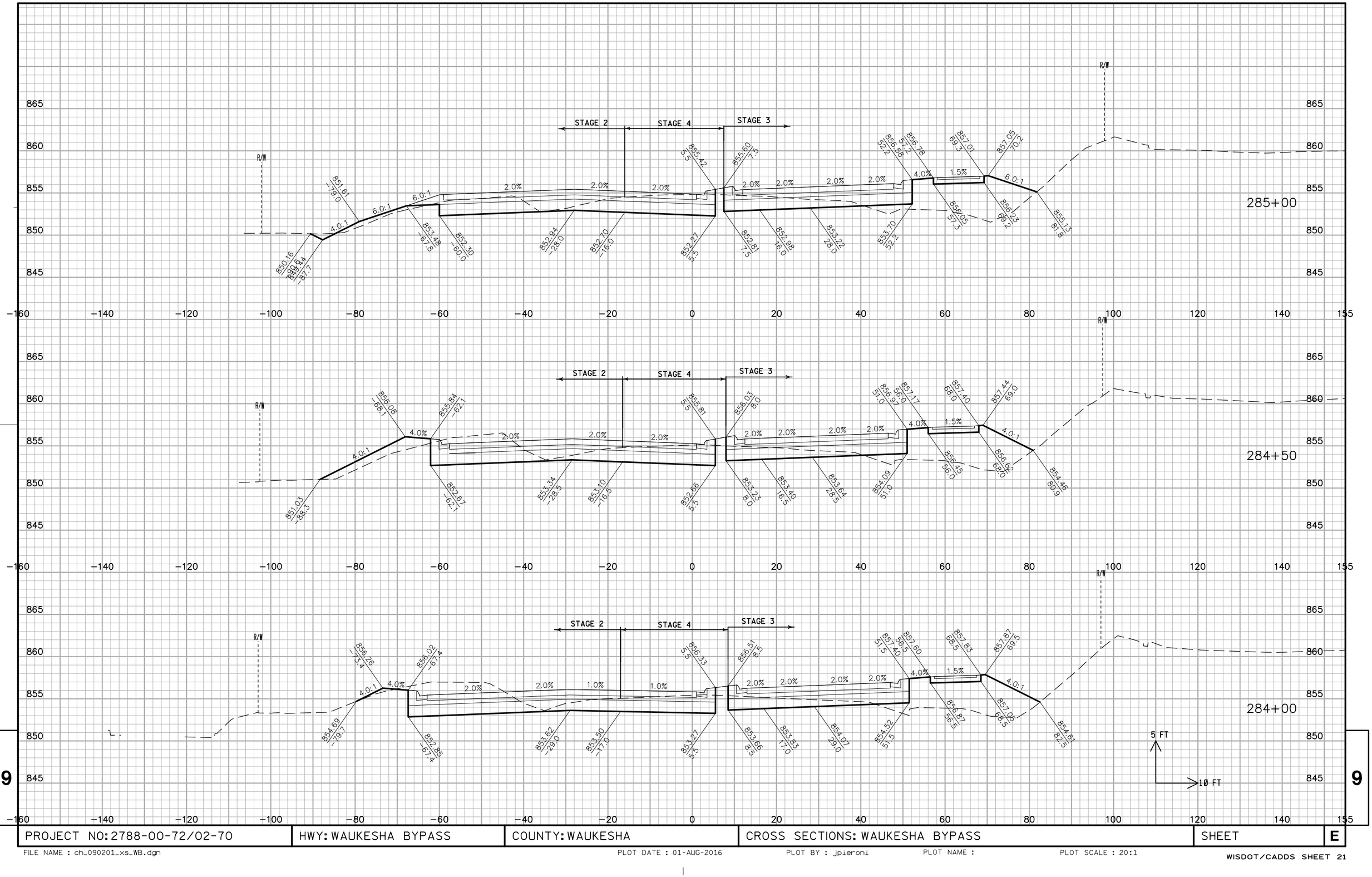
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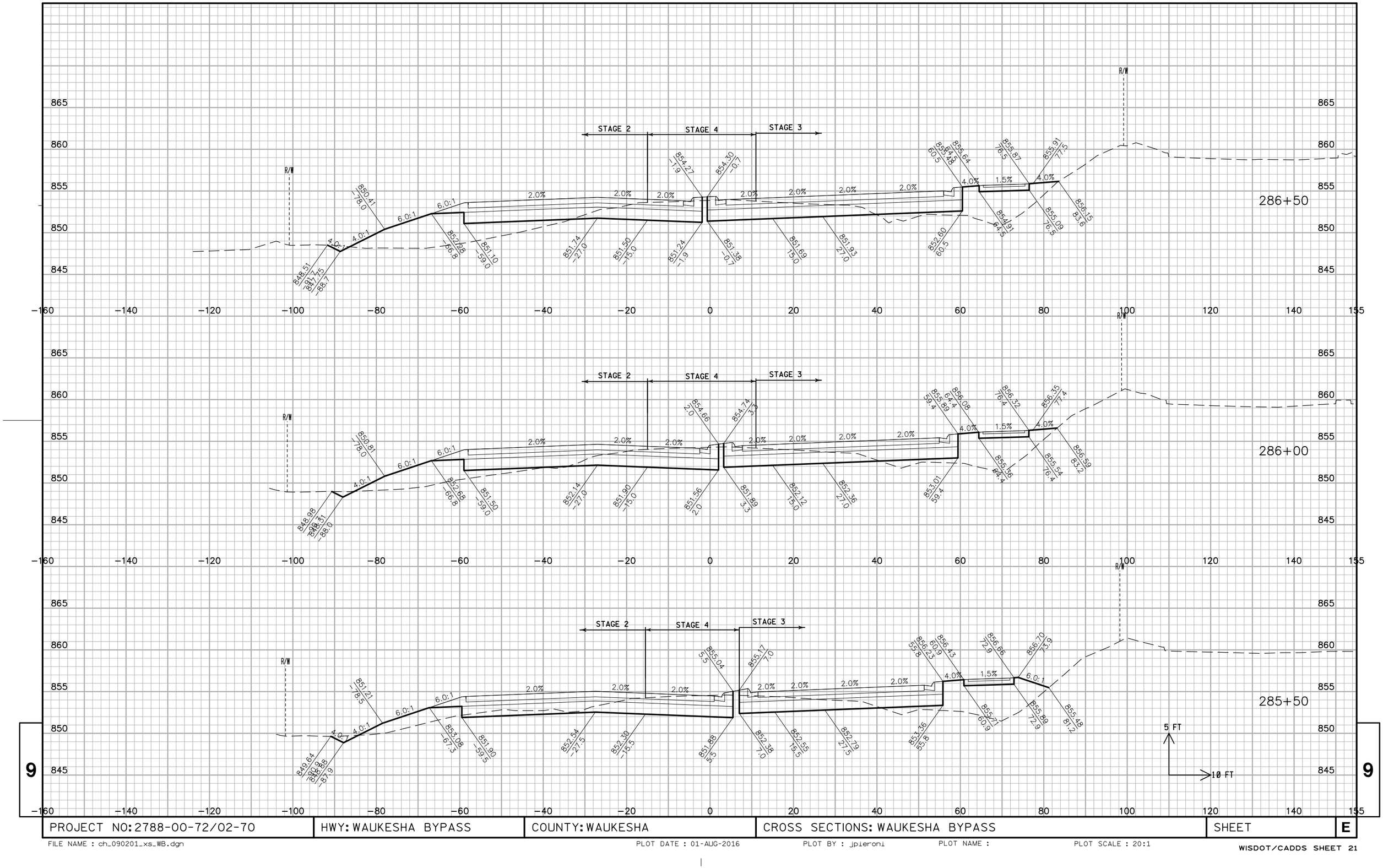
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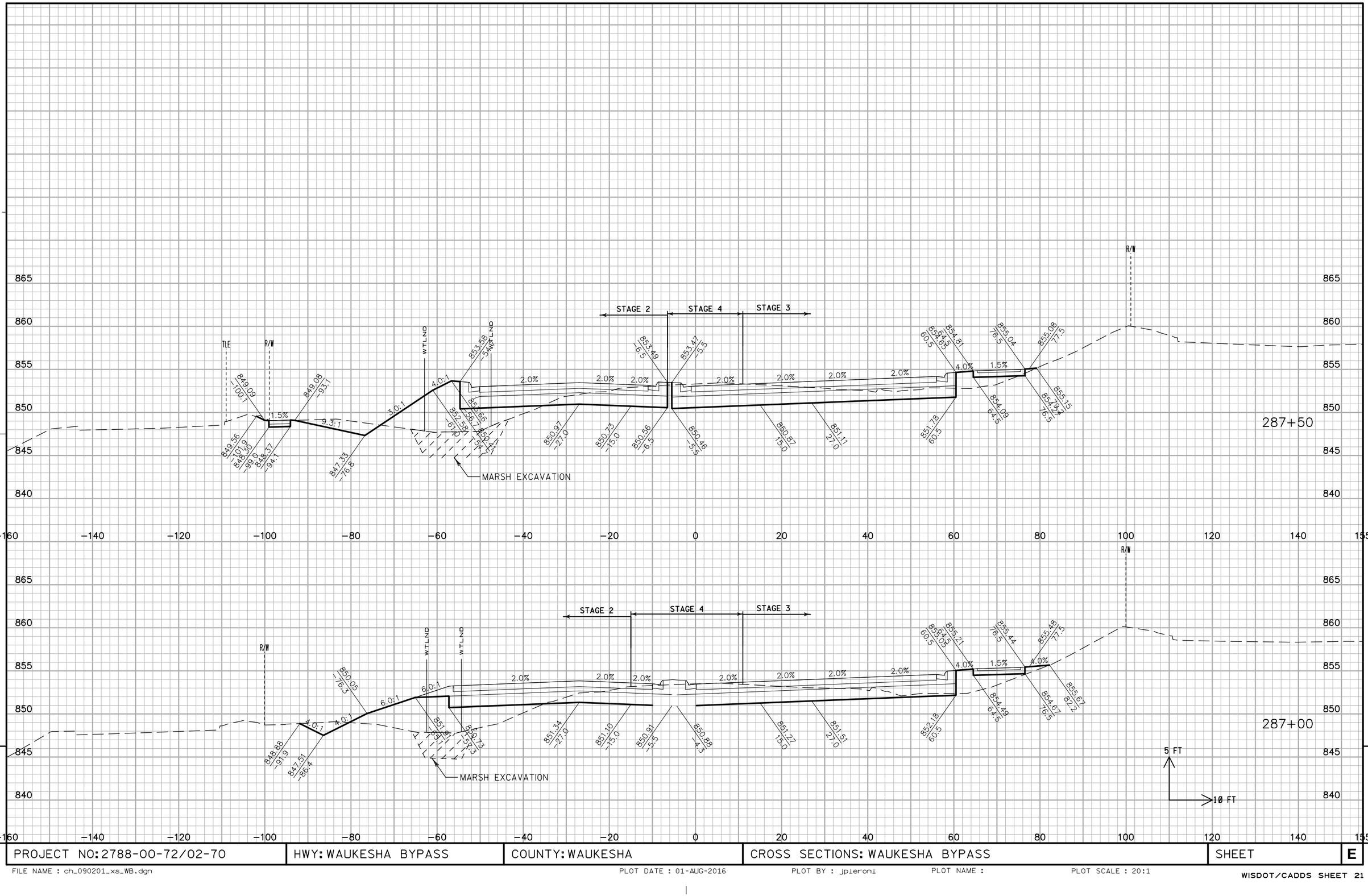
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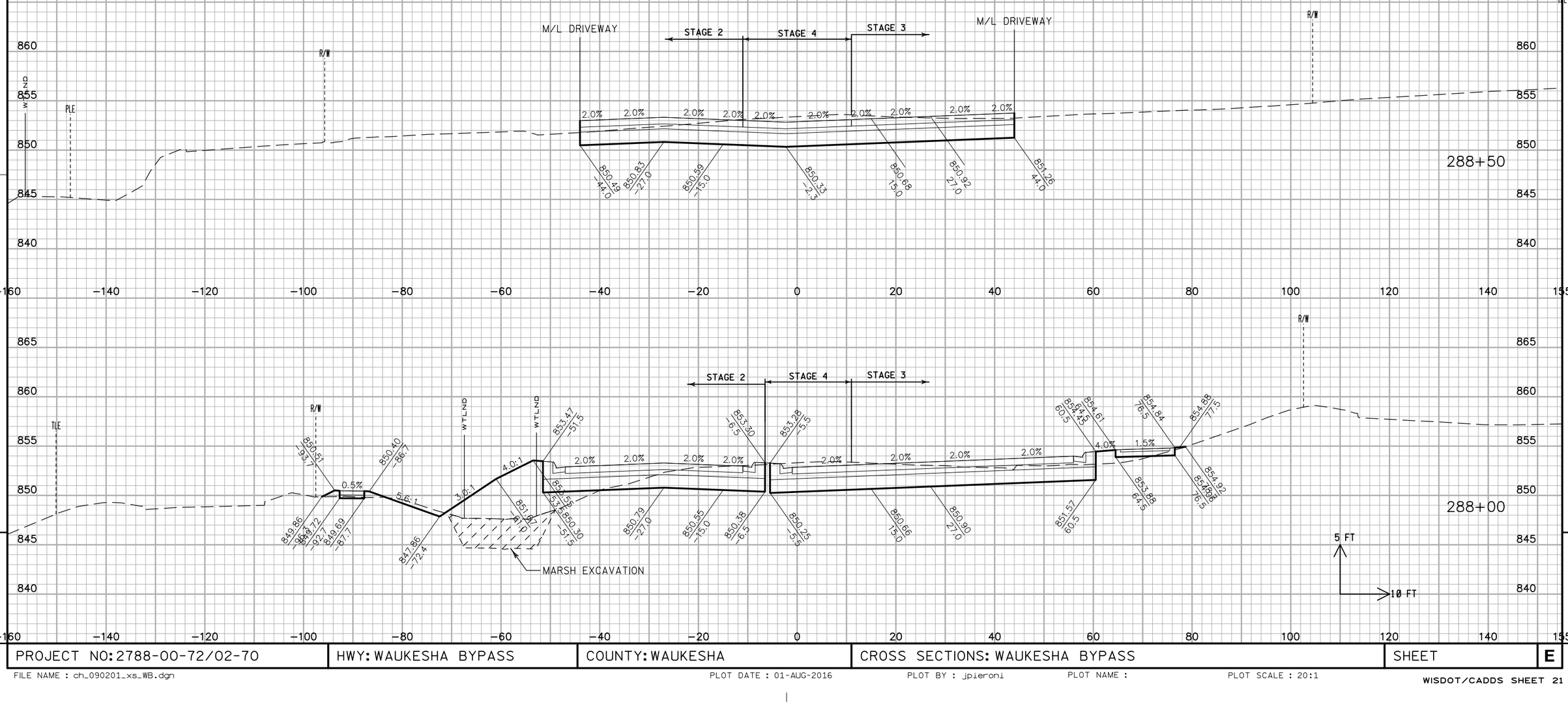
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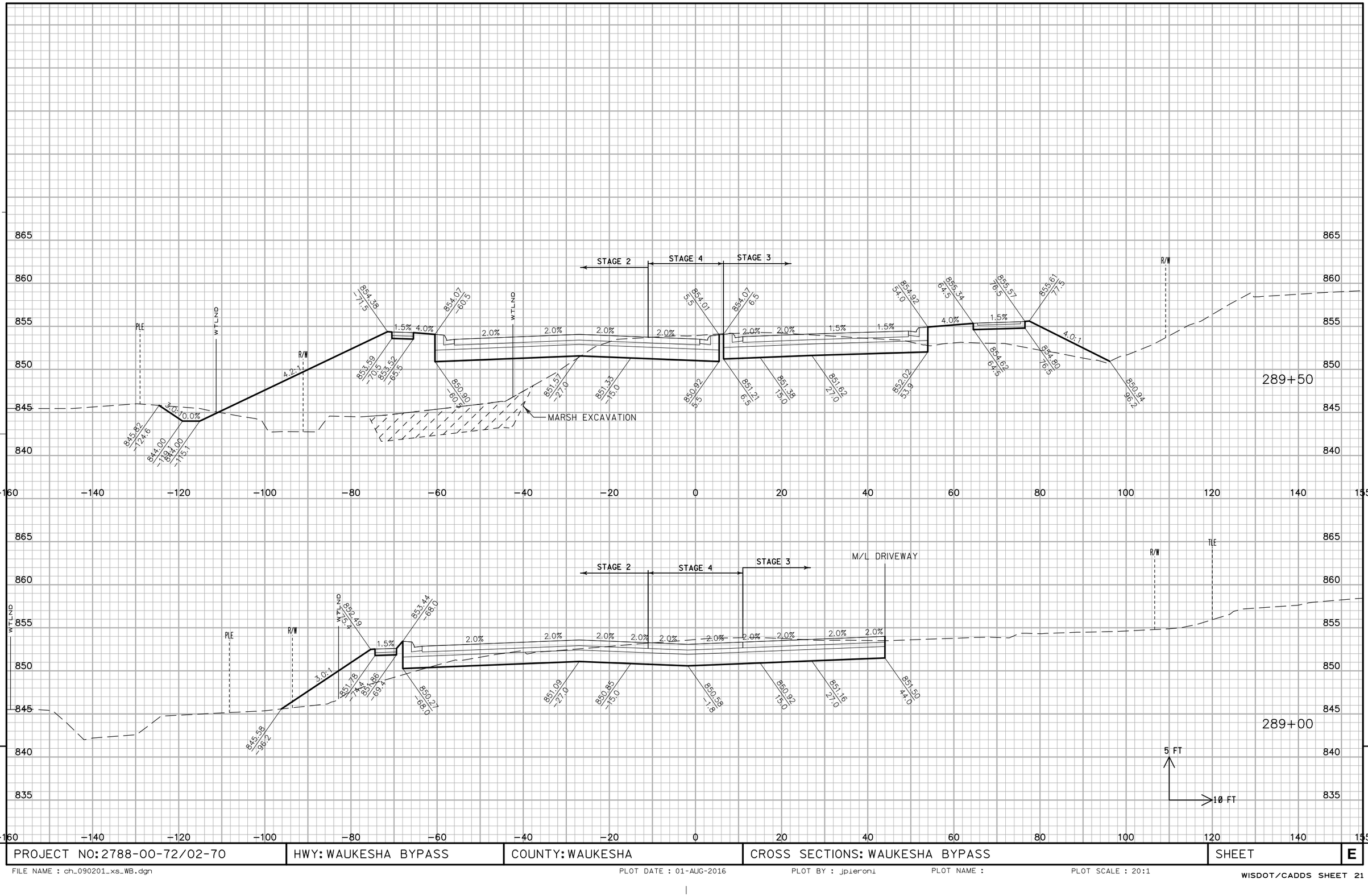
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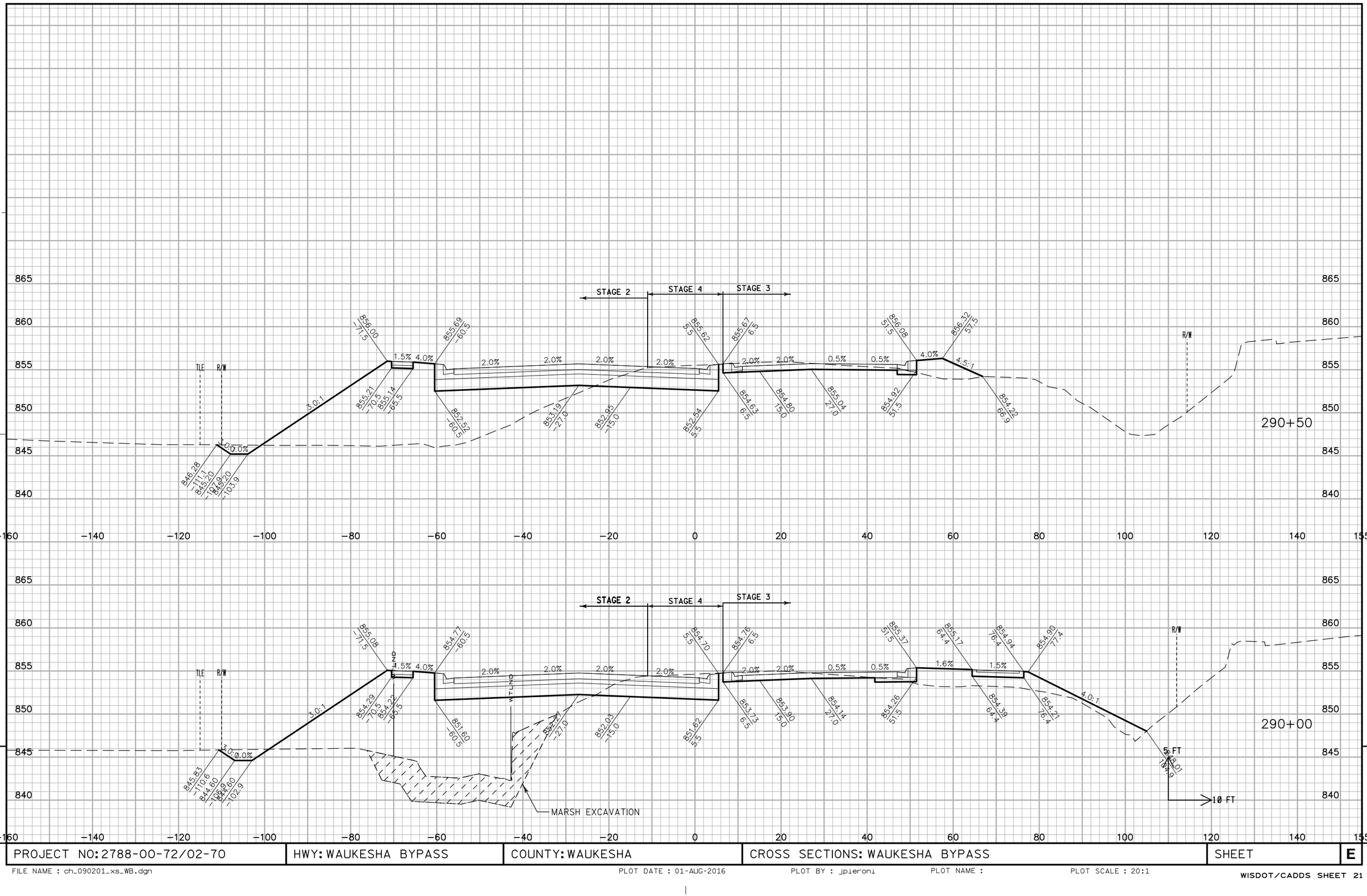
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WISDOT/CADDS SHEET 21



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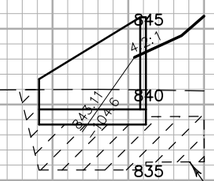
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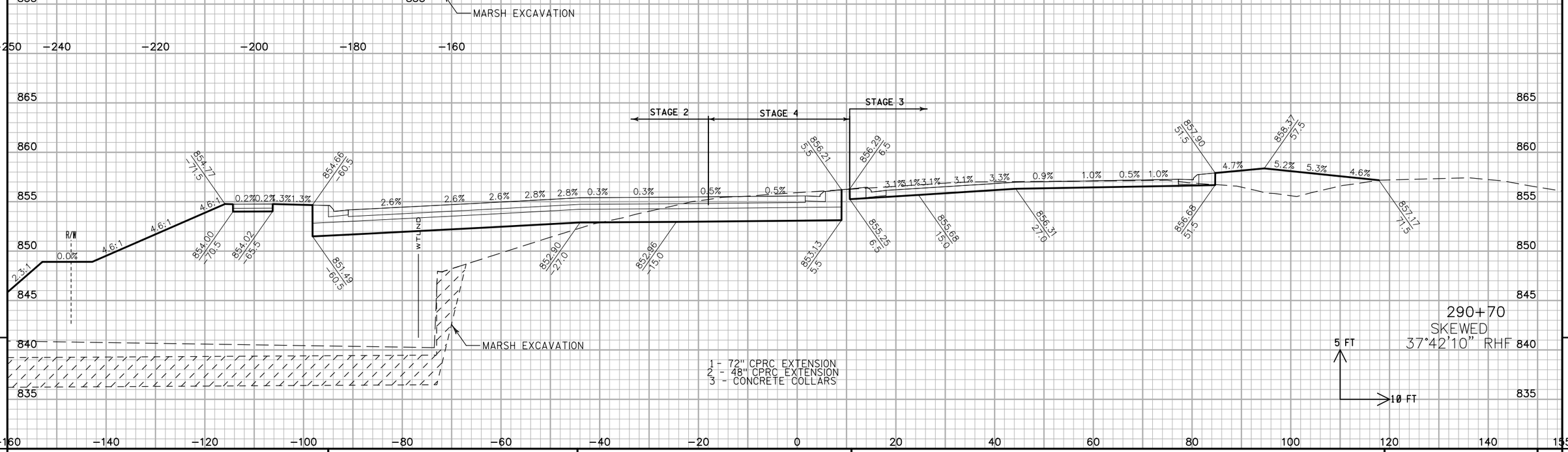


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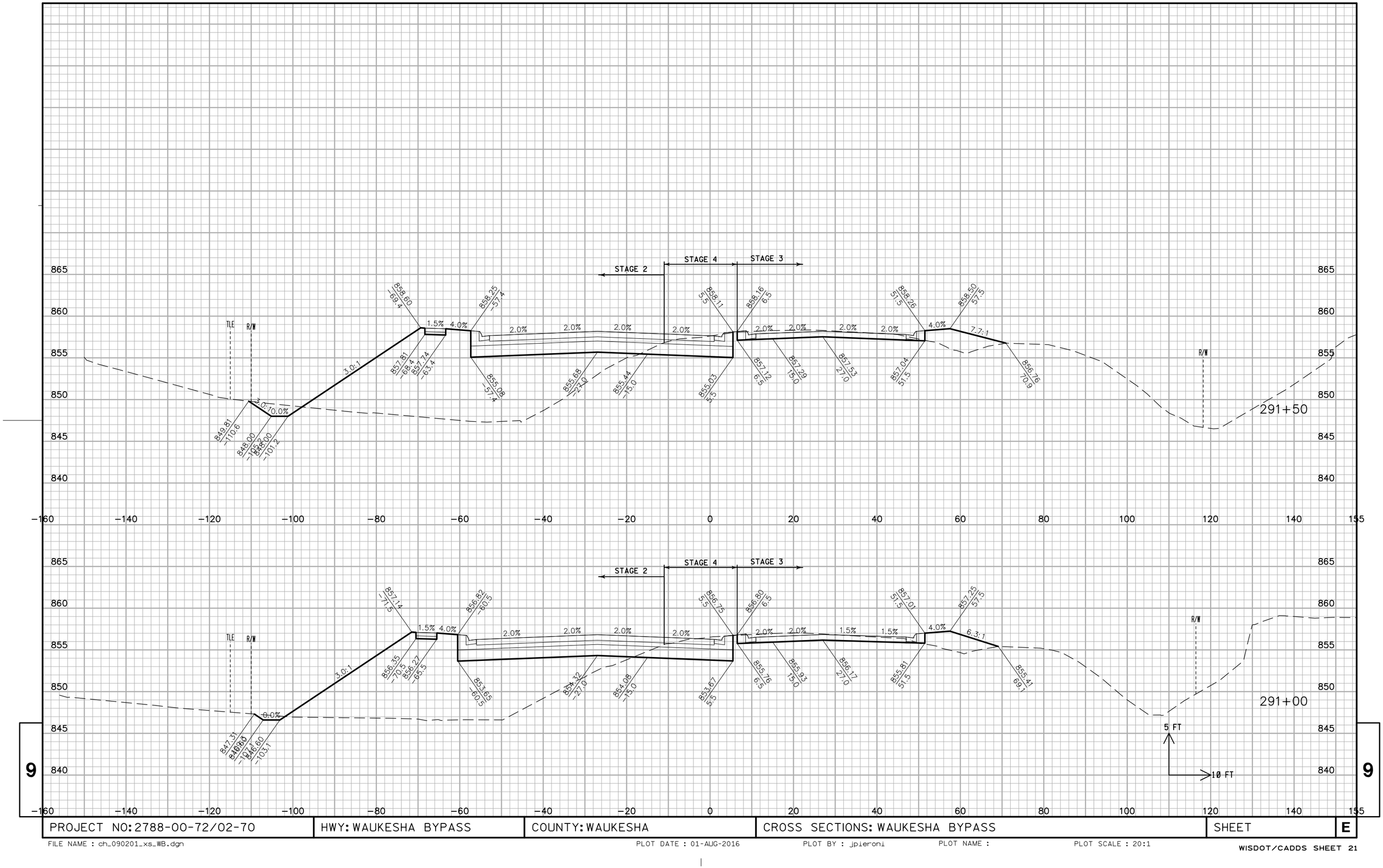
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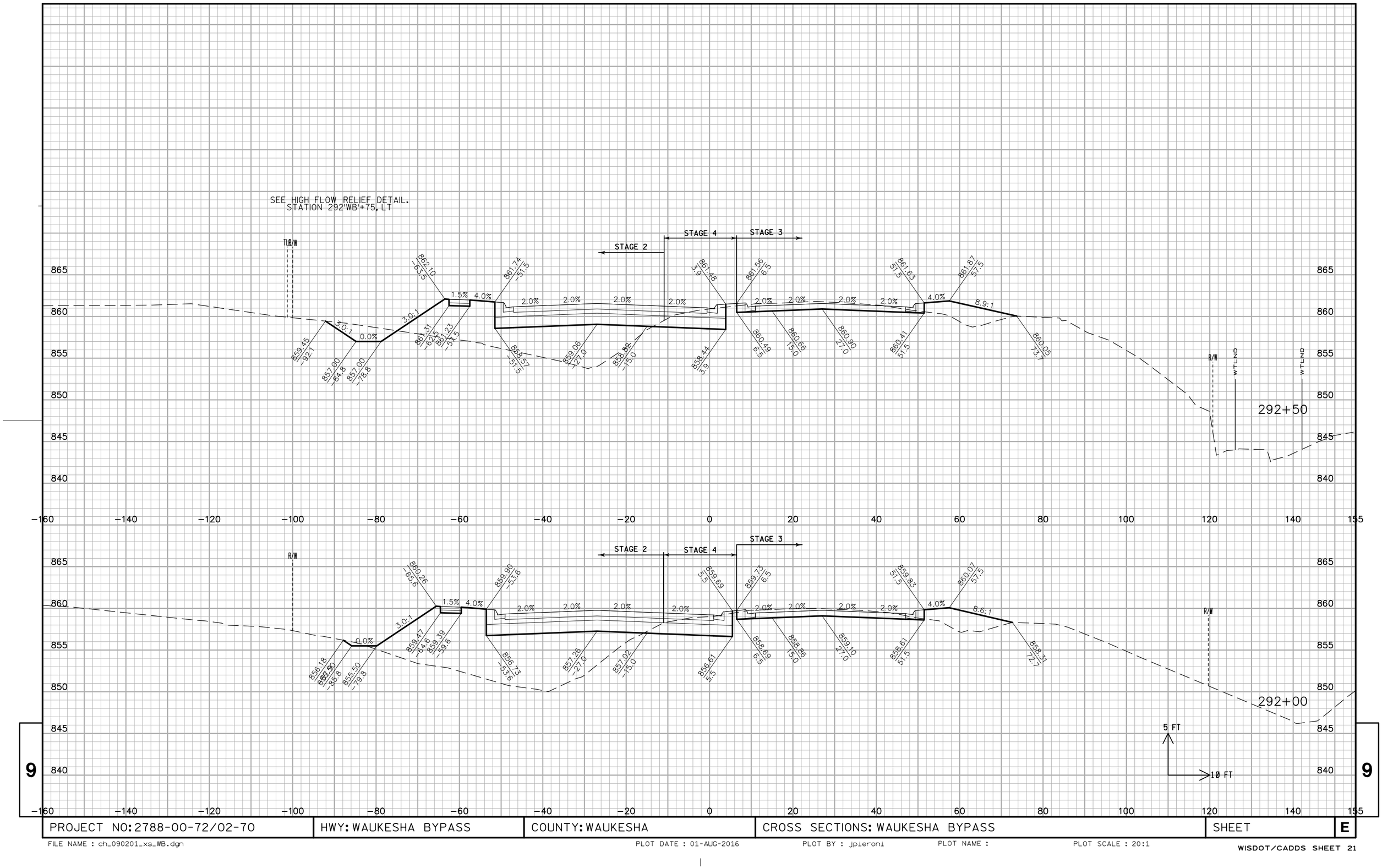
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

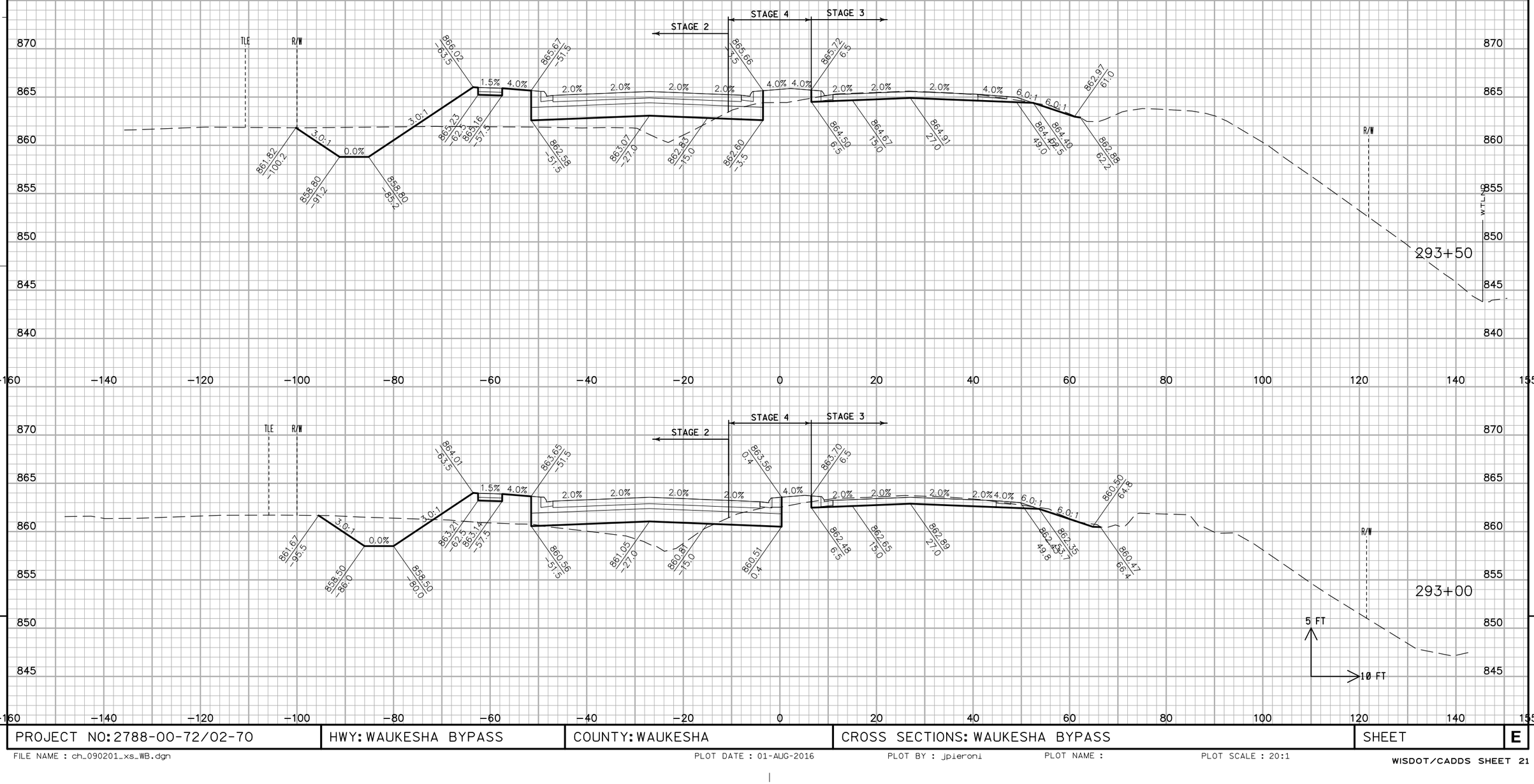
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WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

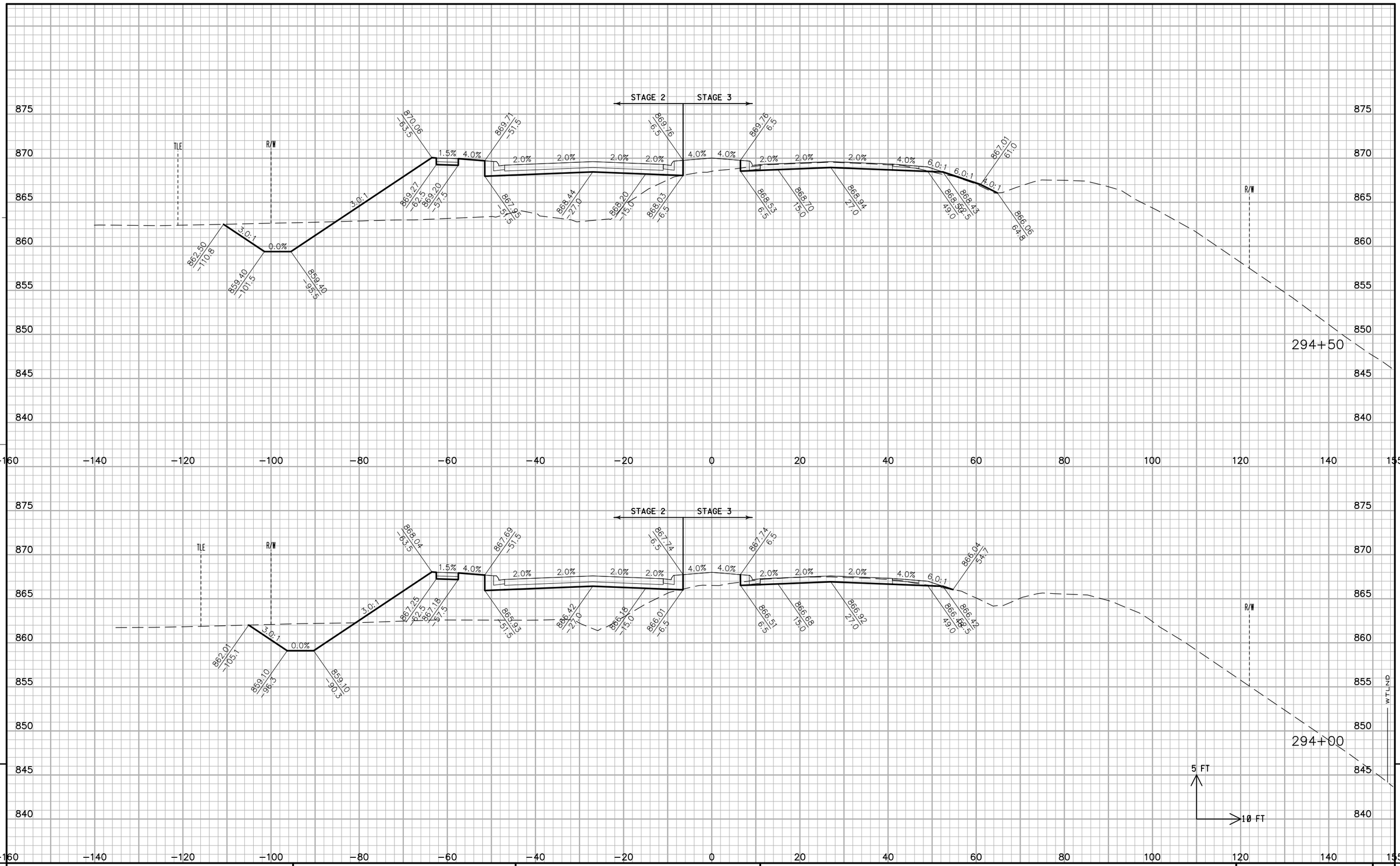


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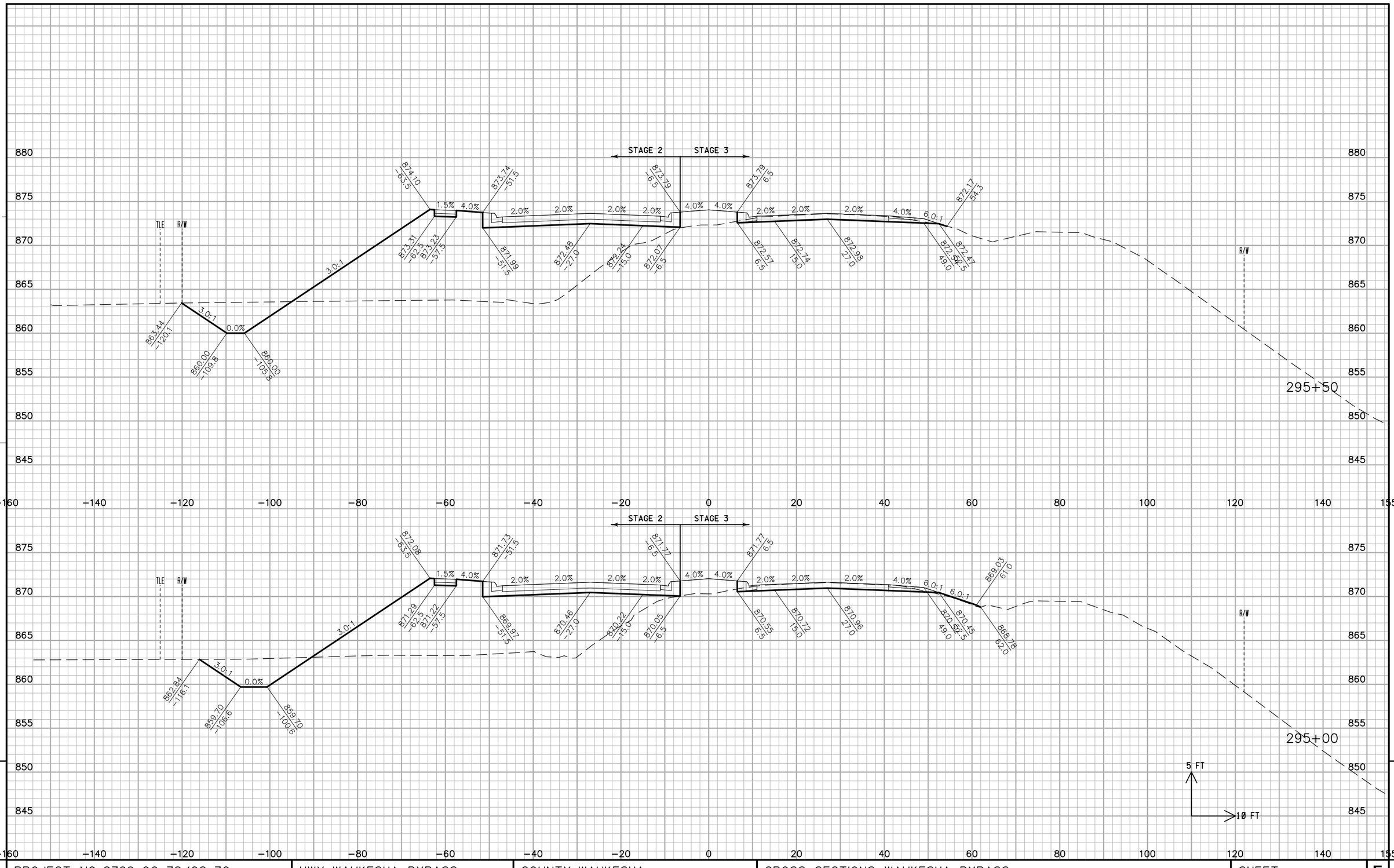
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FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1



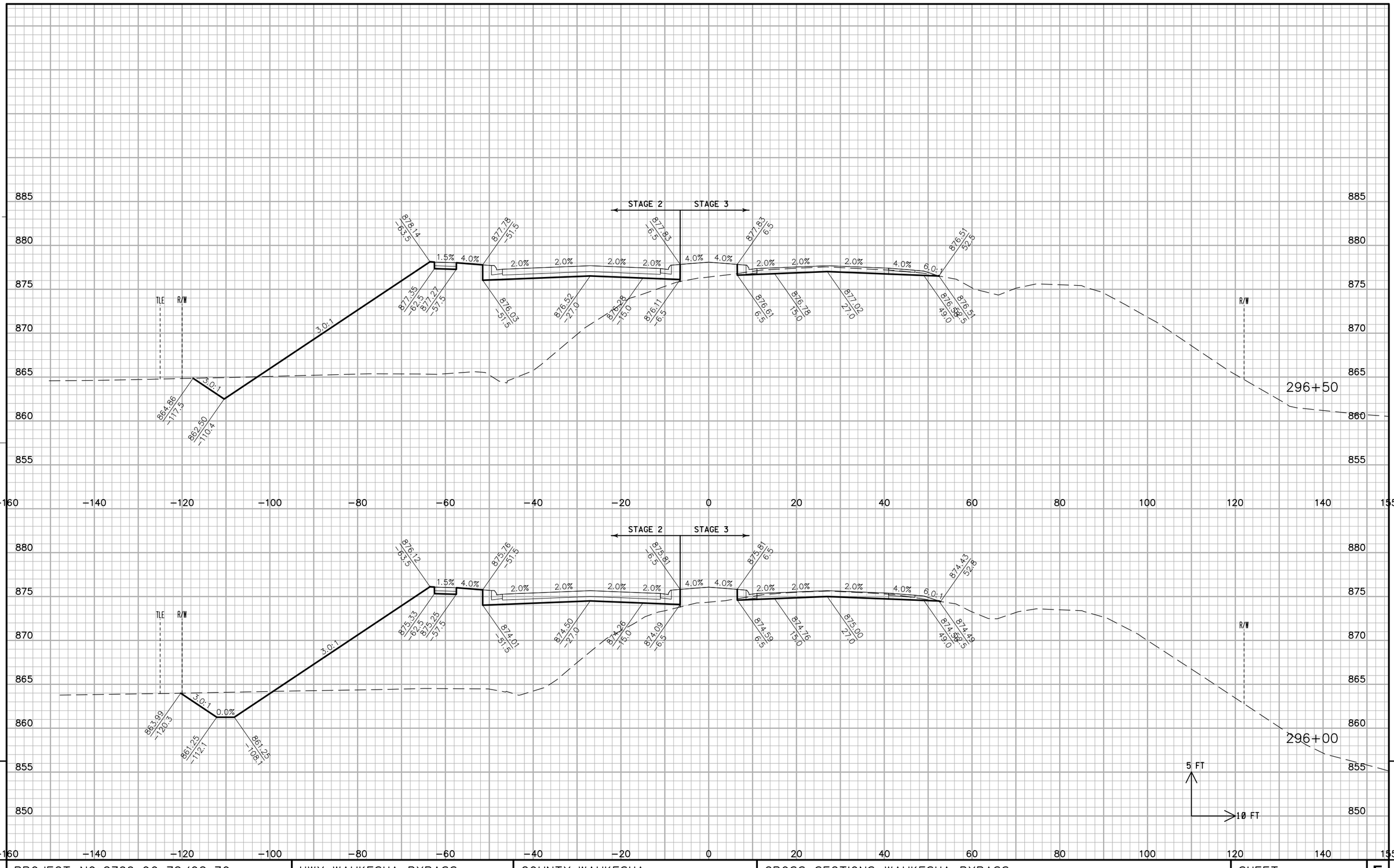
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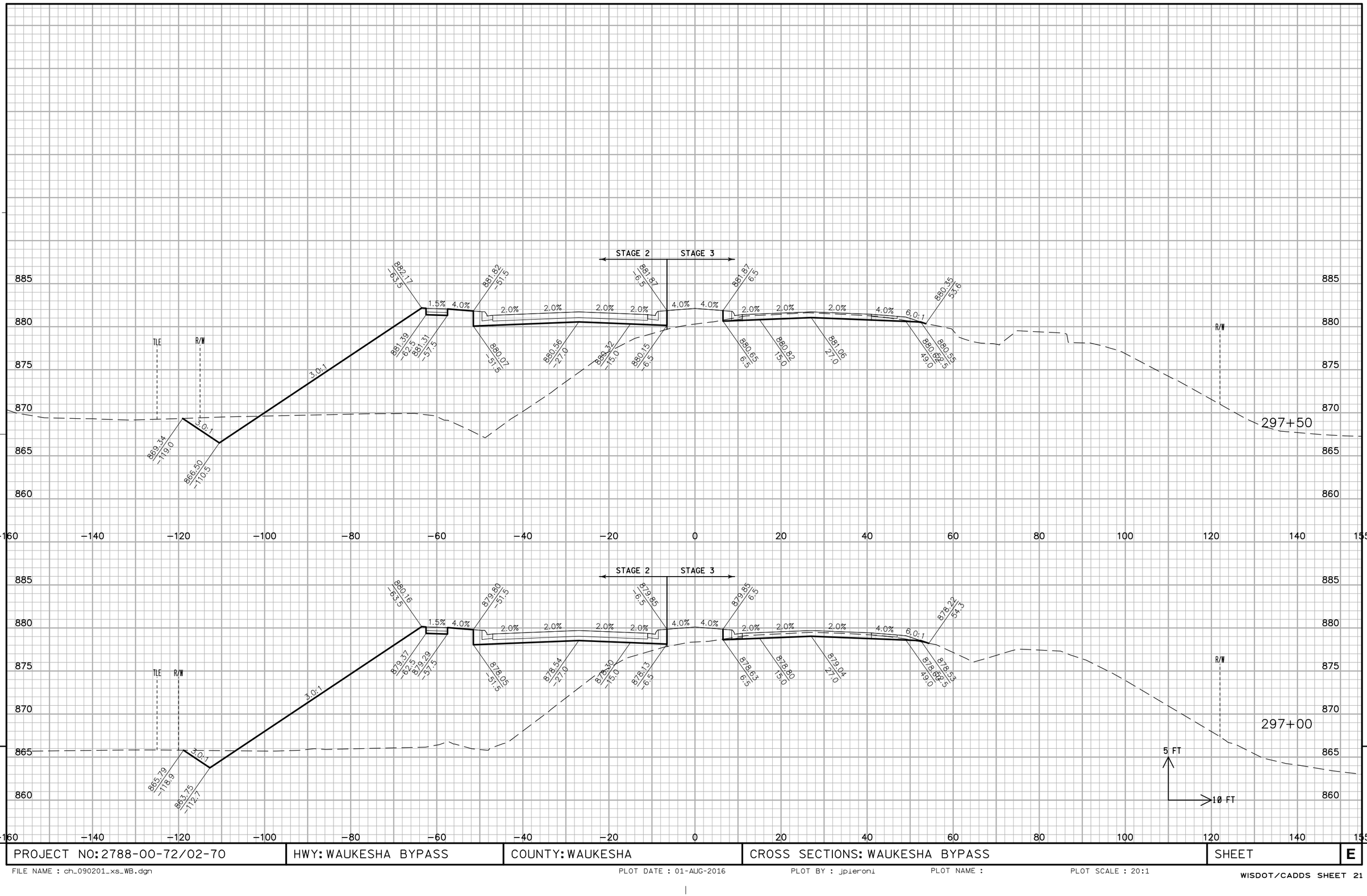
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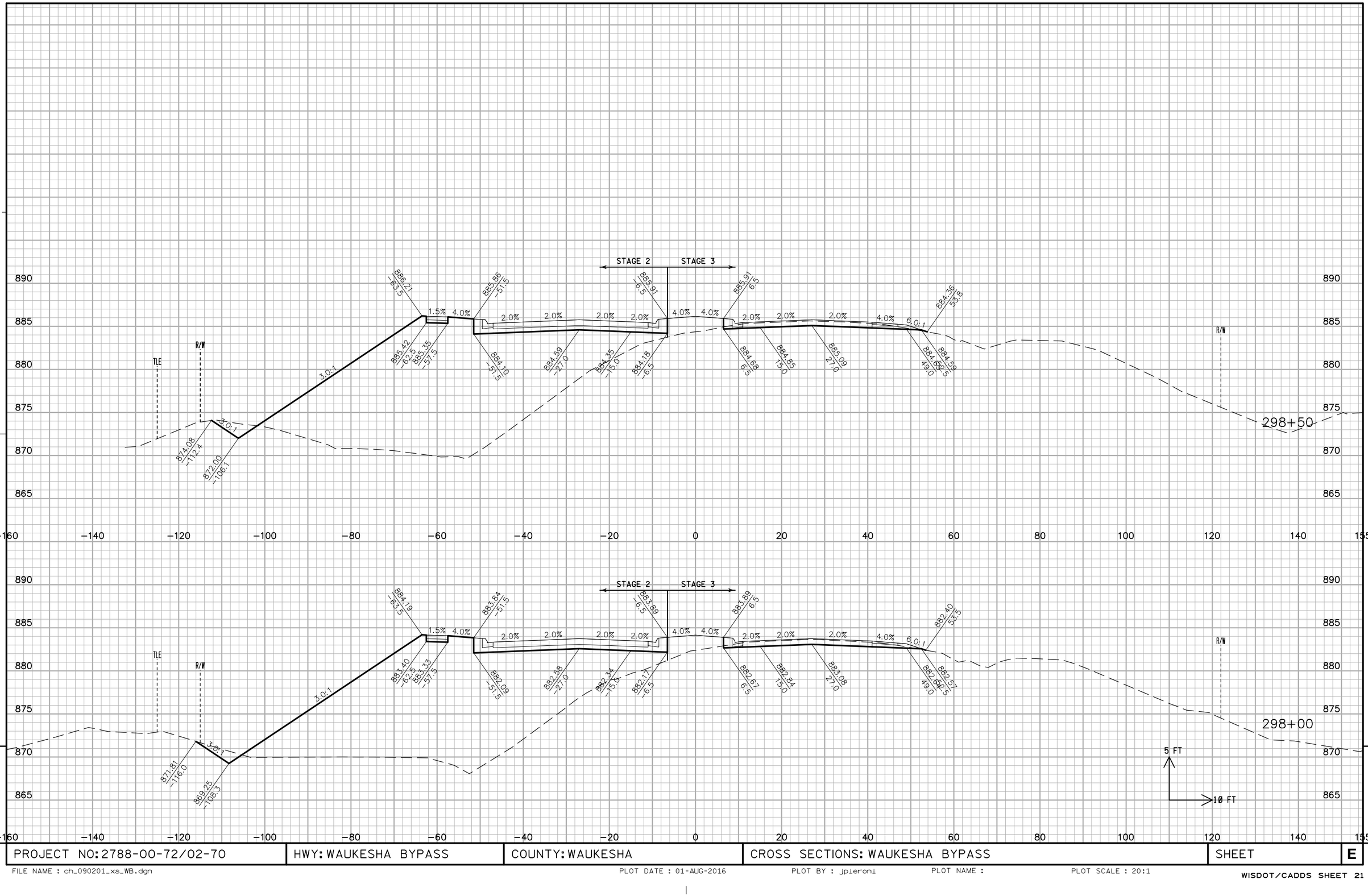
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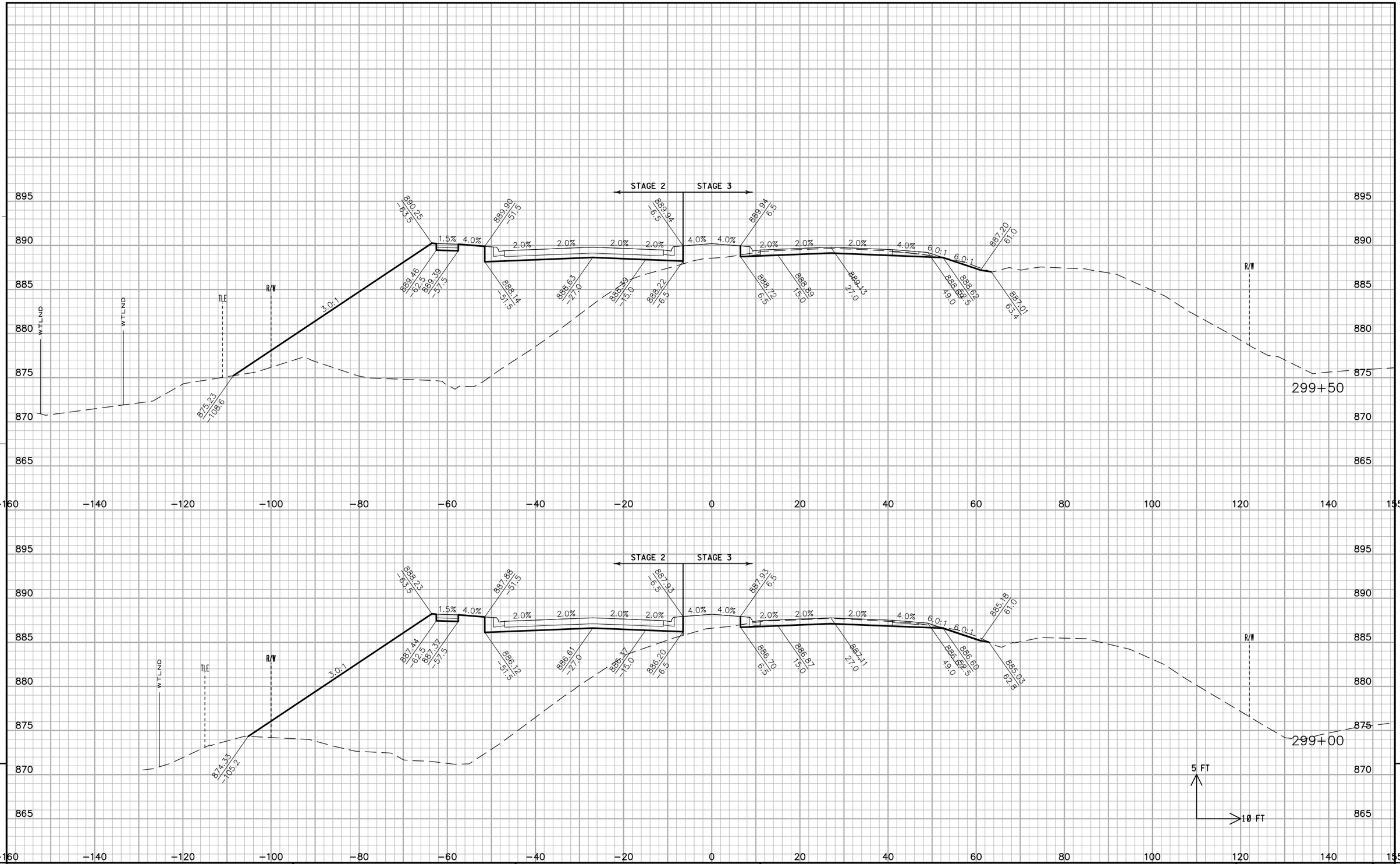
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WISDOT/CADDS SHEET 21



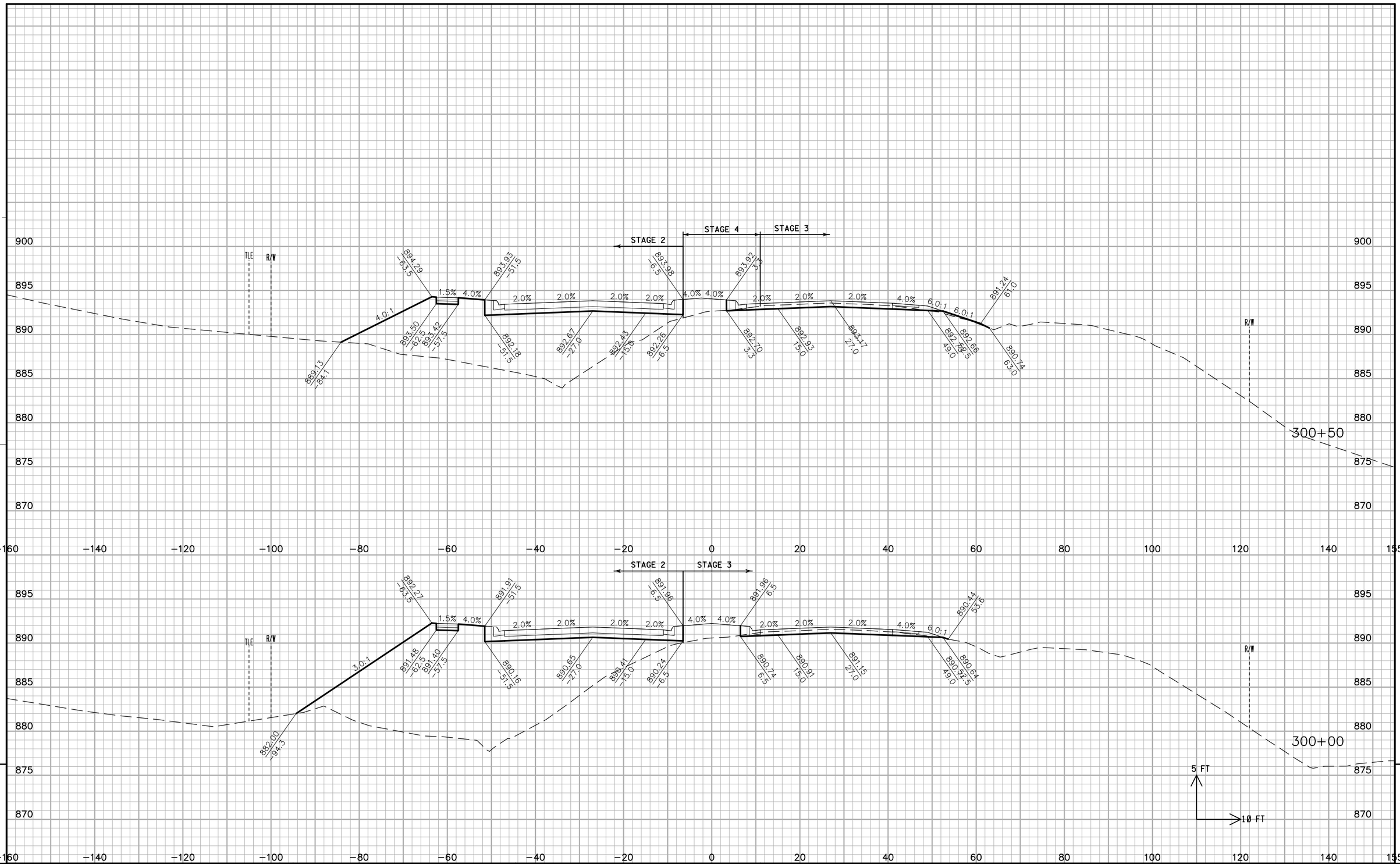
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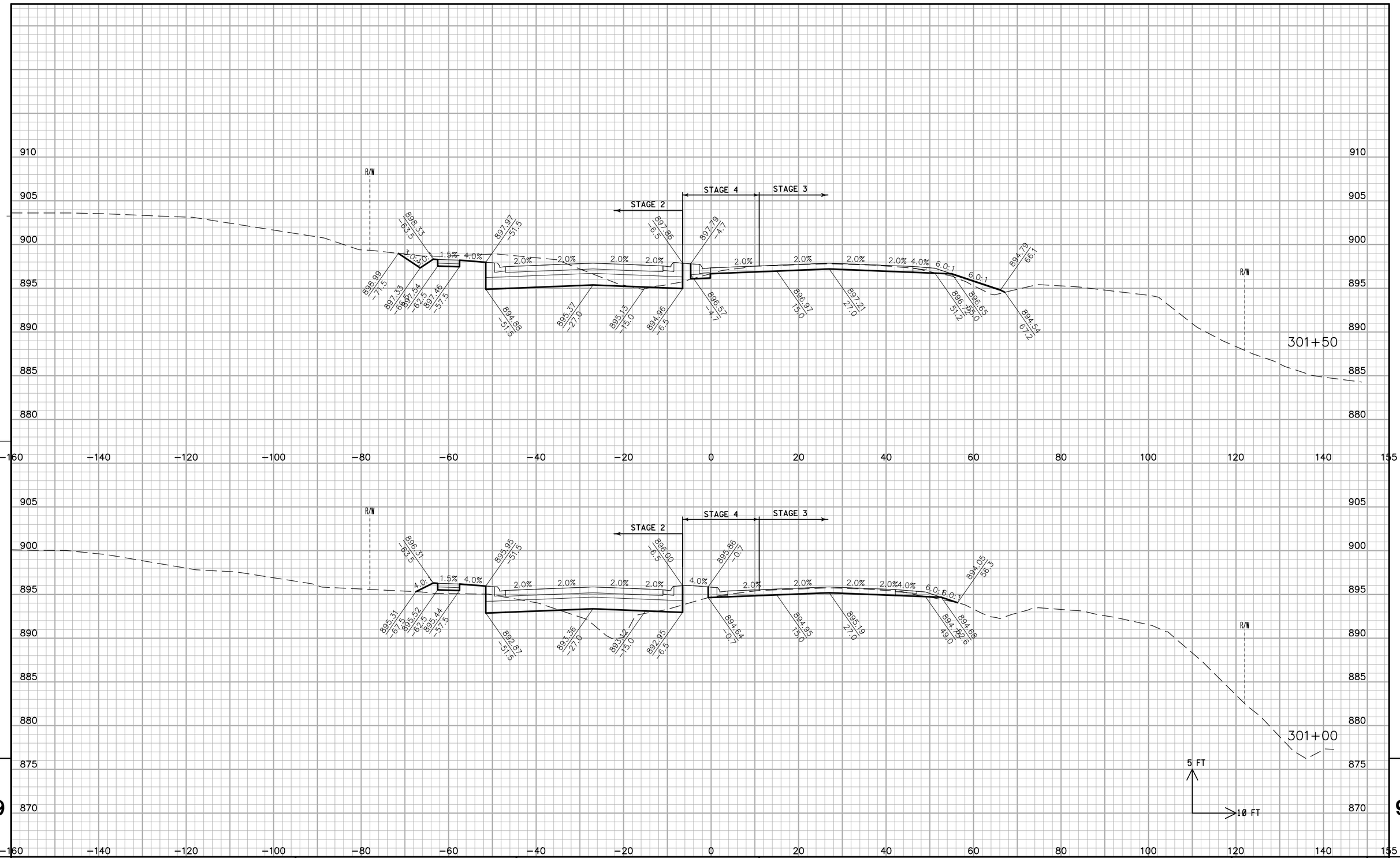


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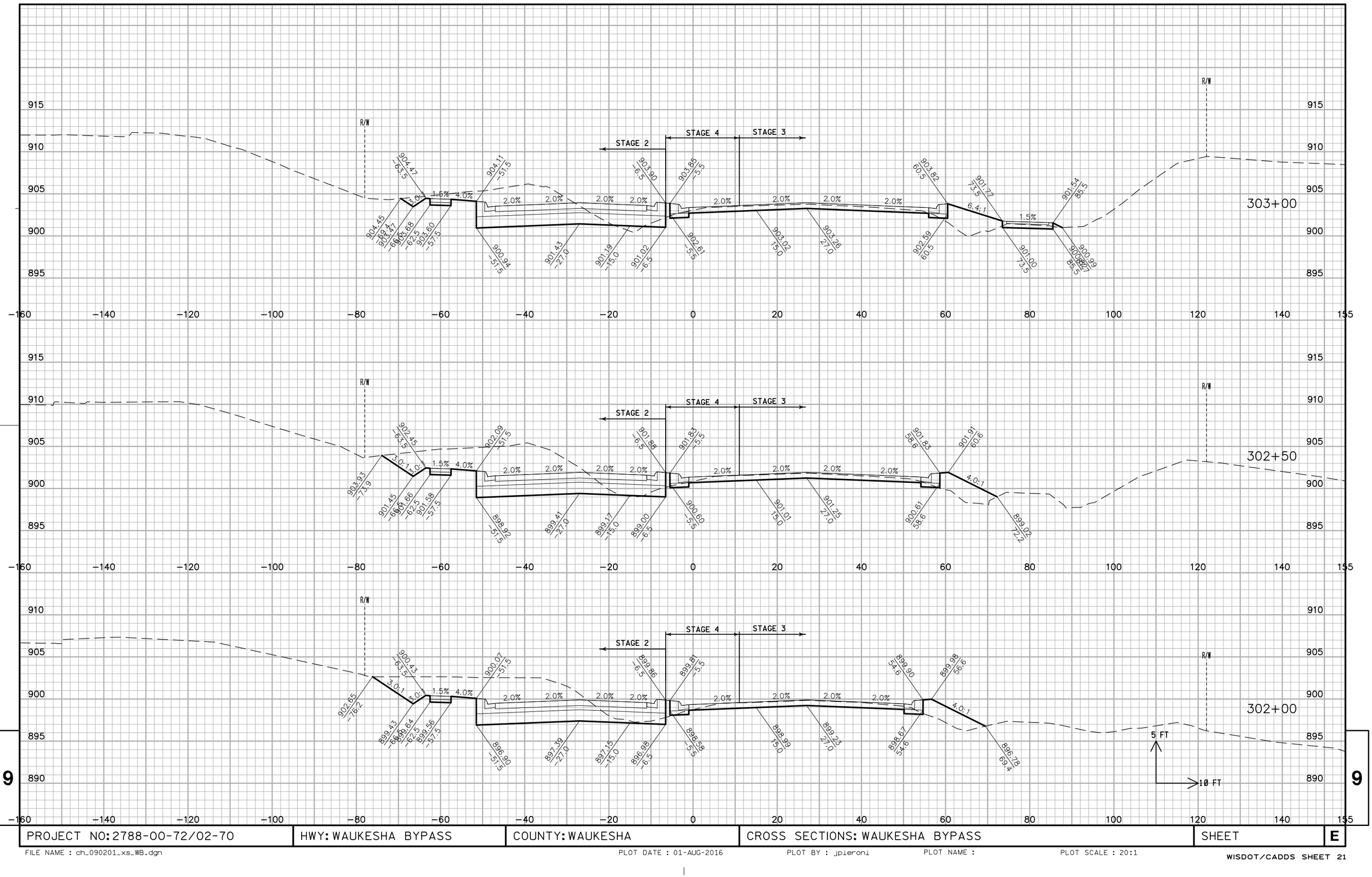
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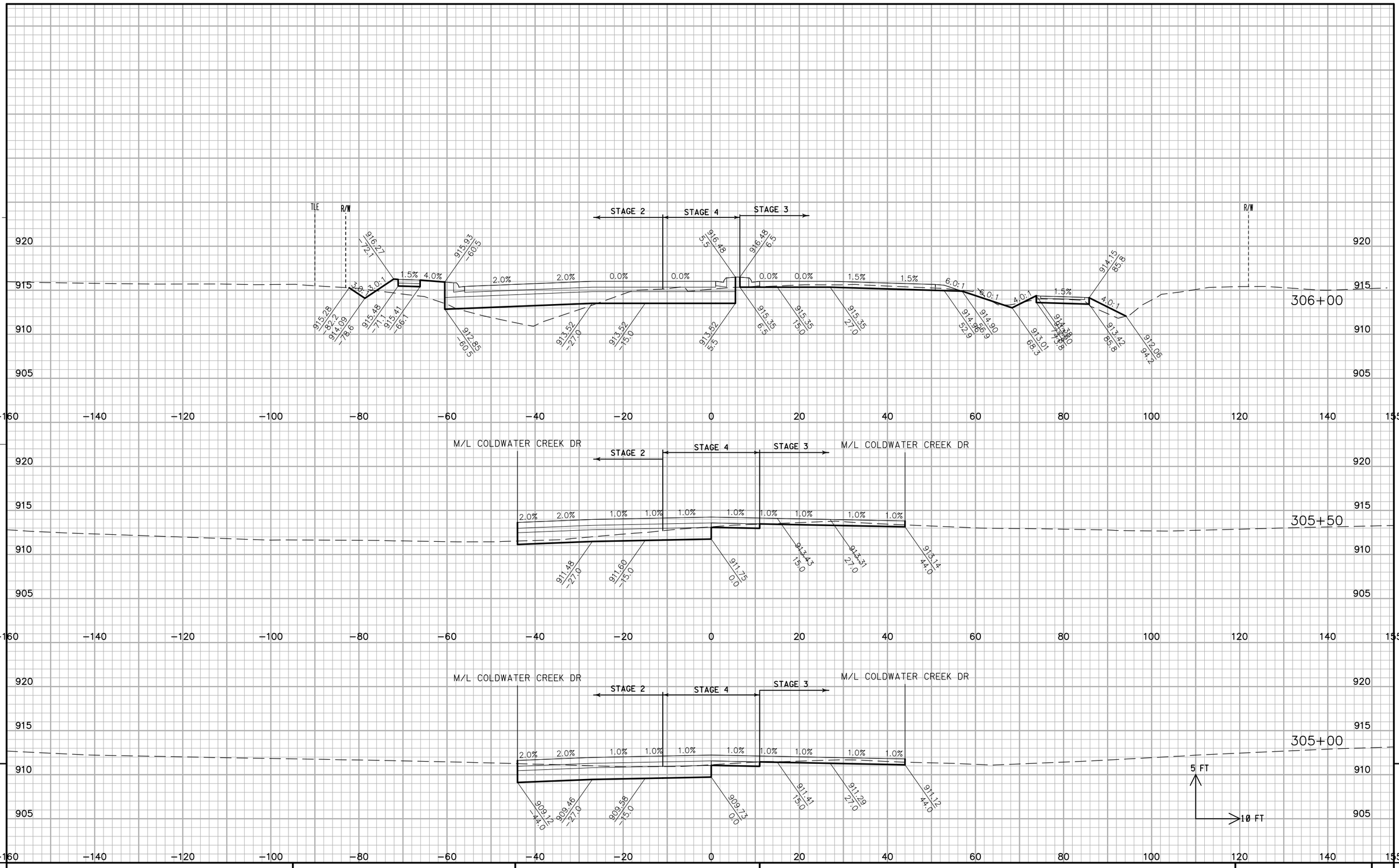
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WISDOT/CADDS SHEET 21



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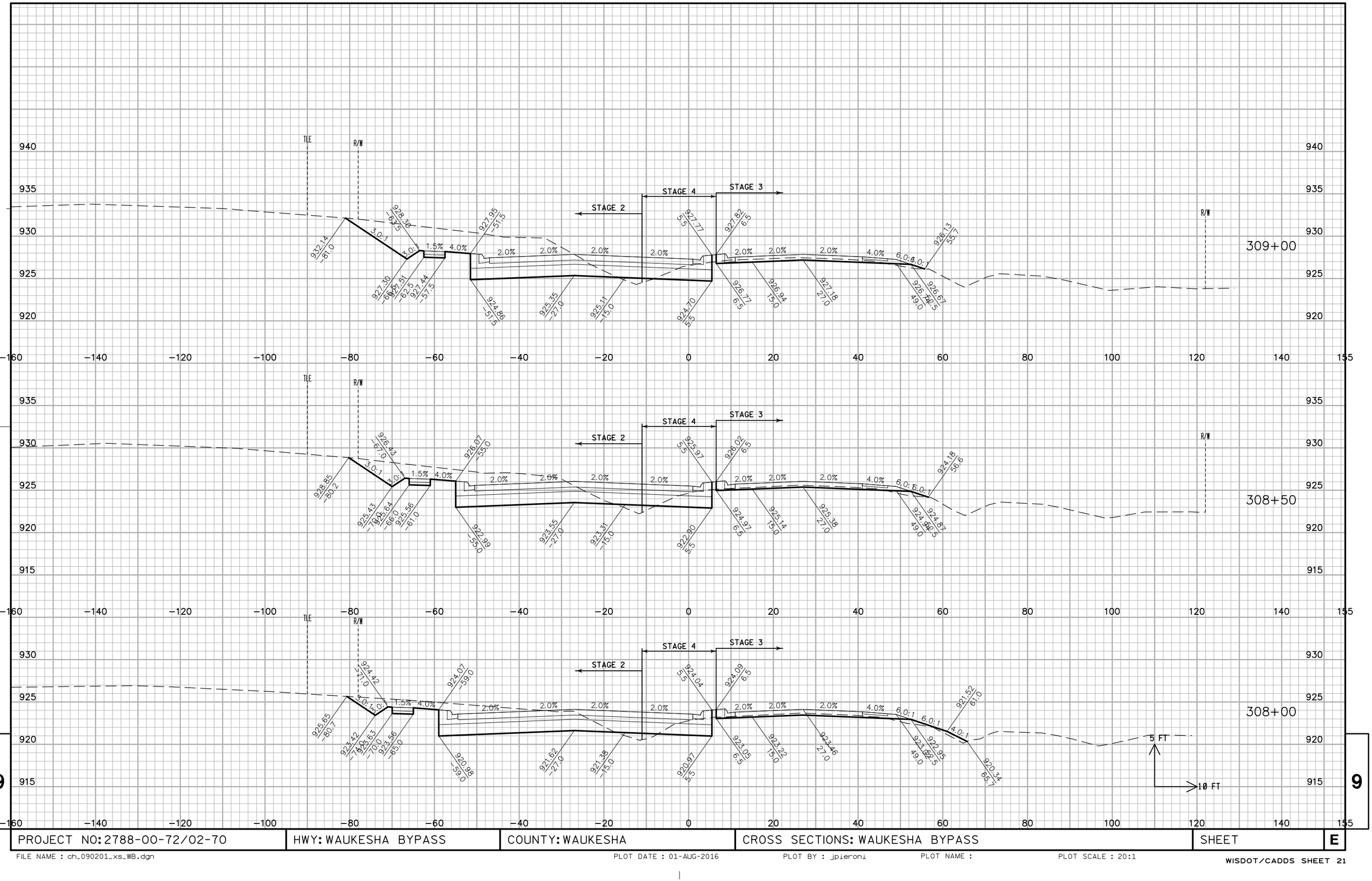
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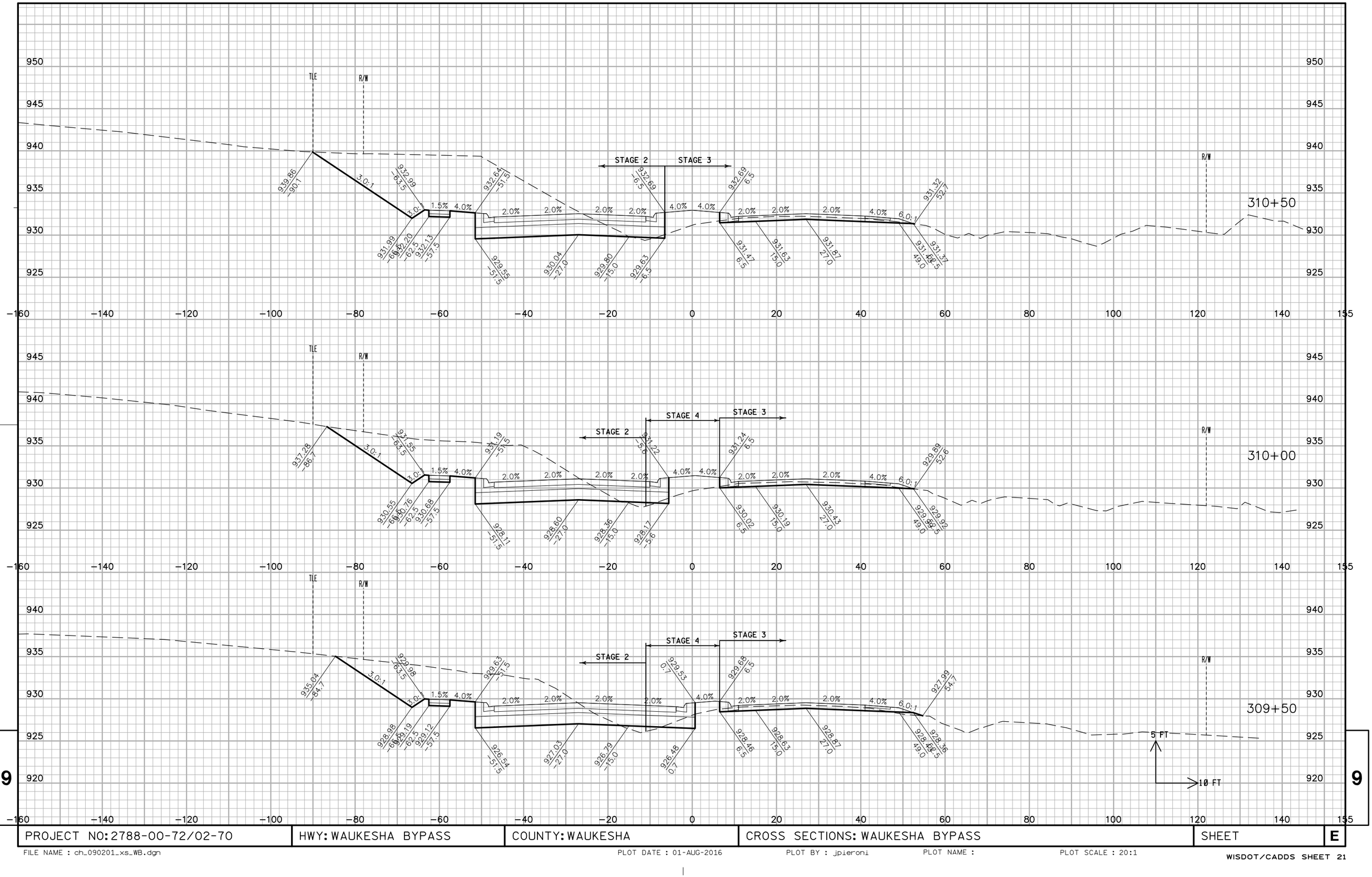
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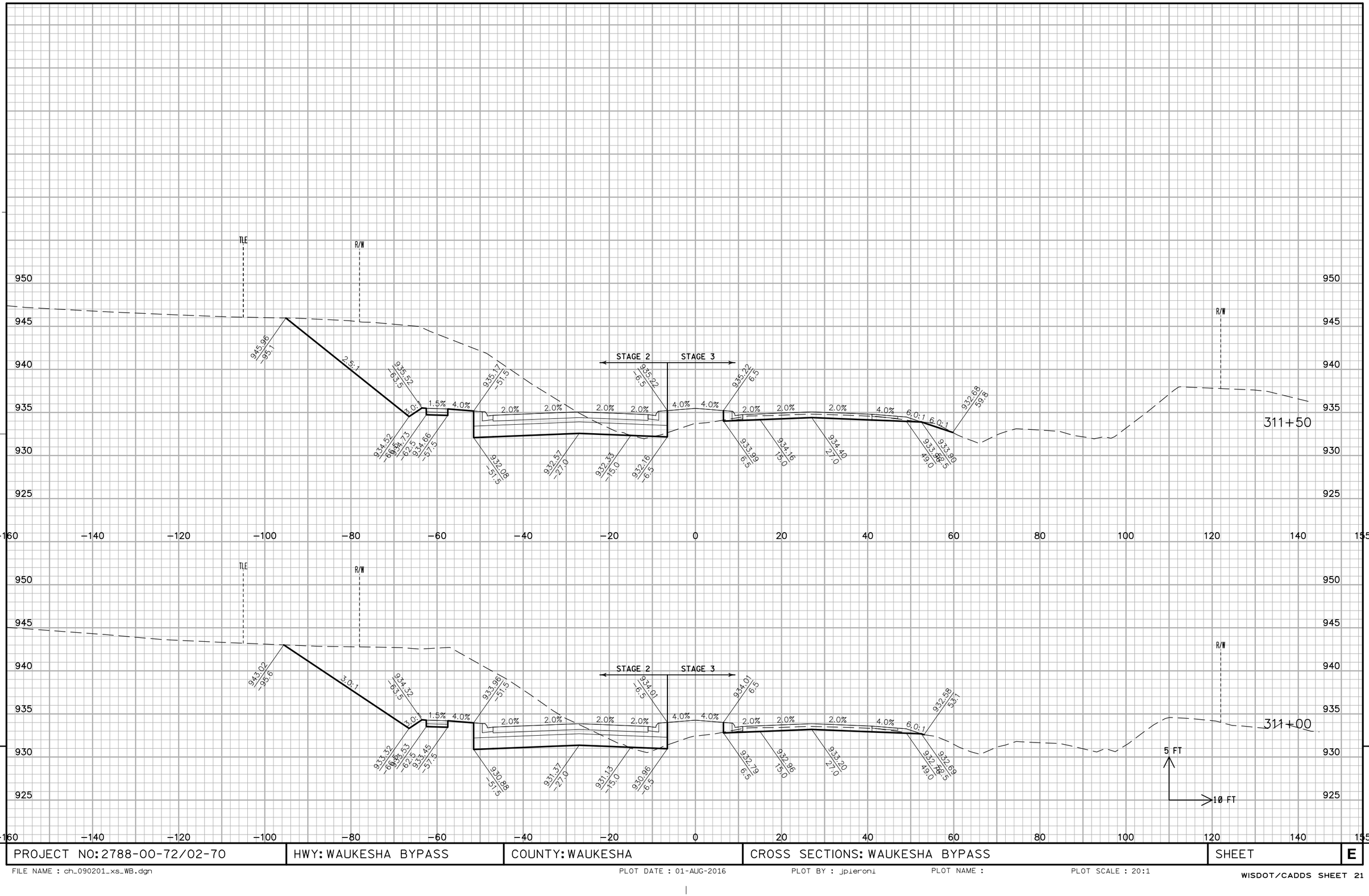
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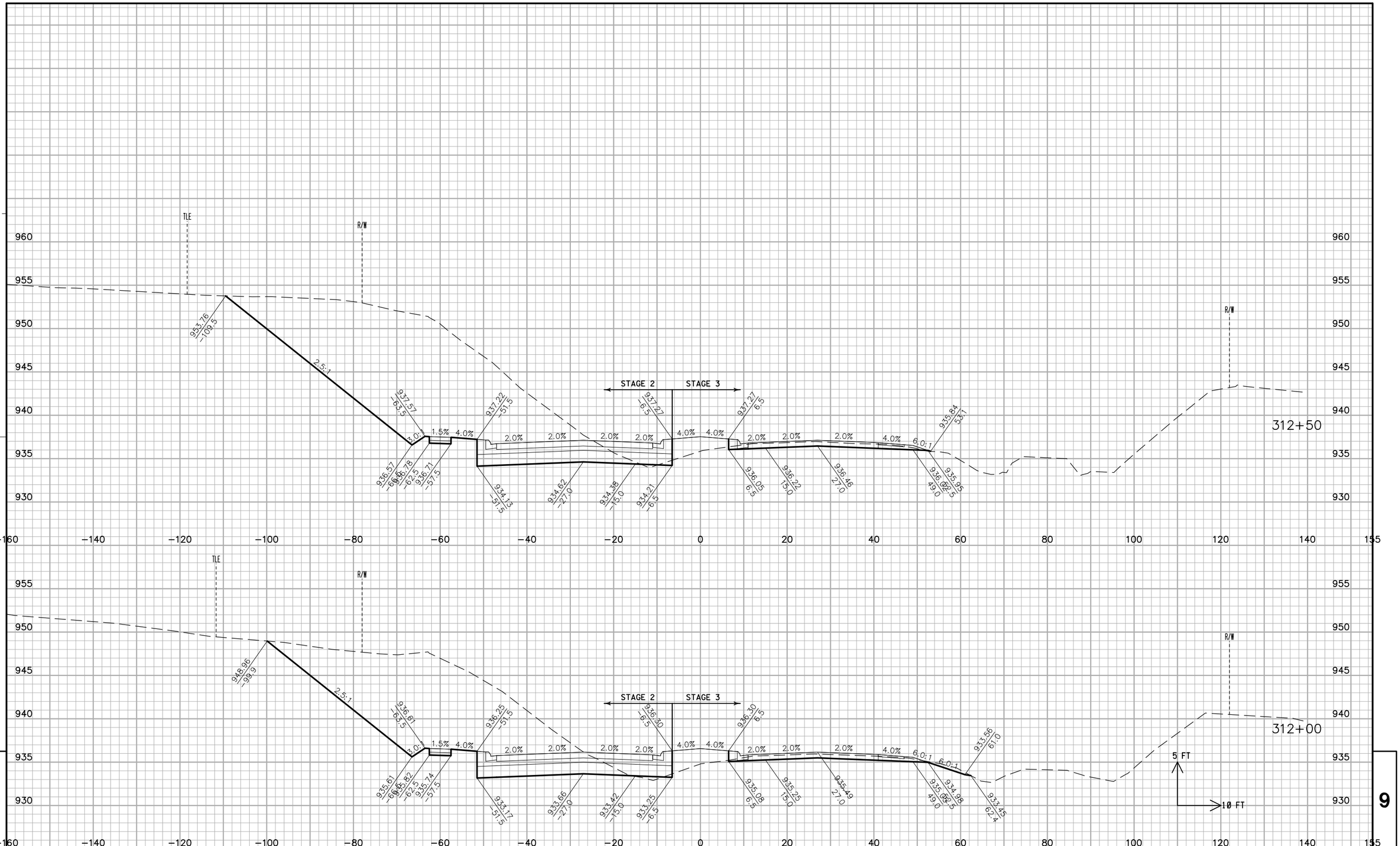
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WISDOT/CADDS SHEET 21

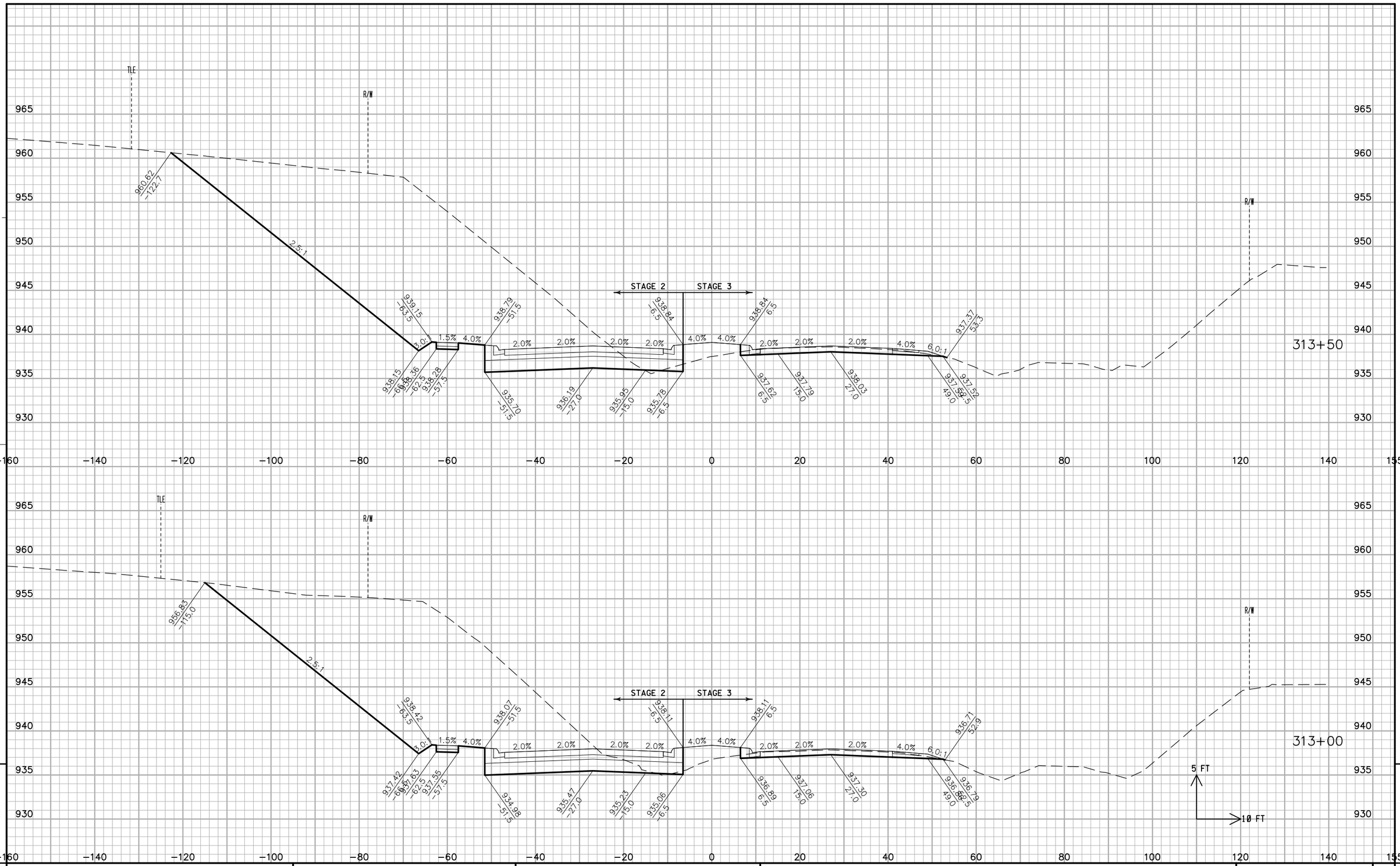


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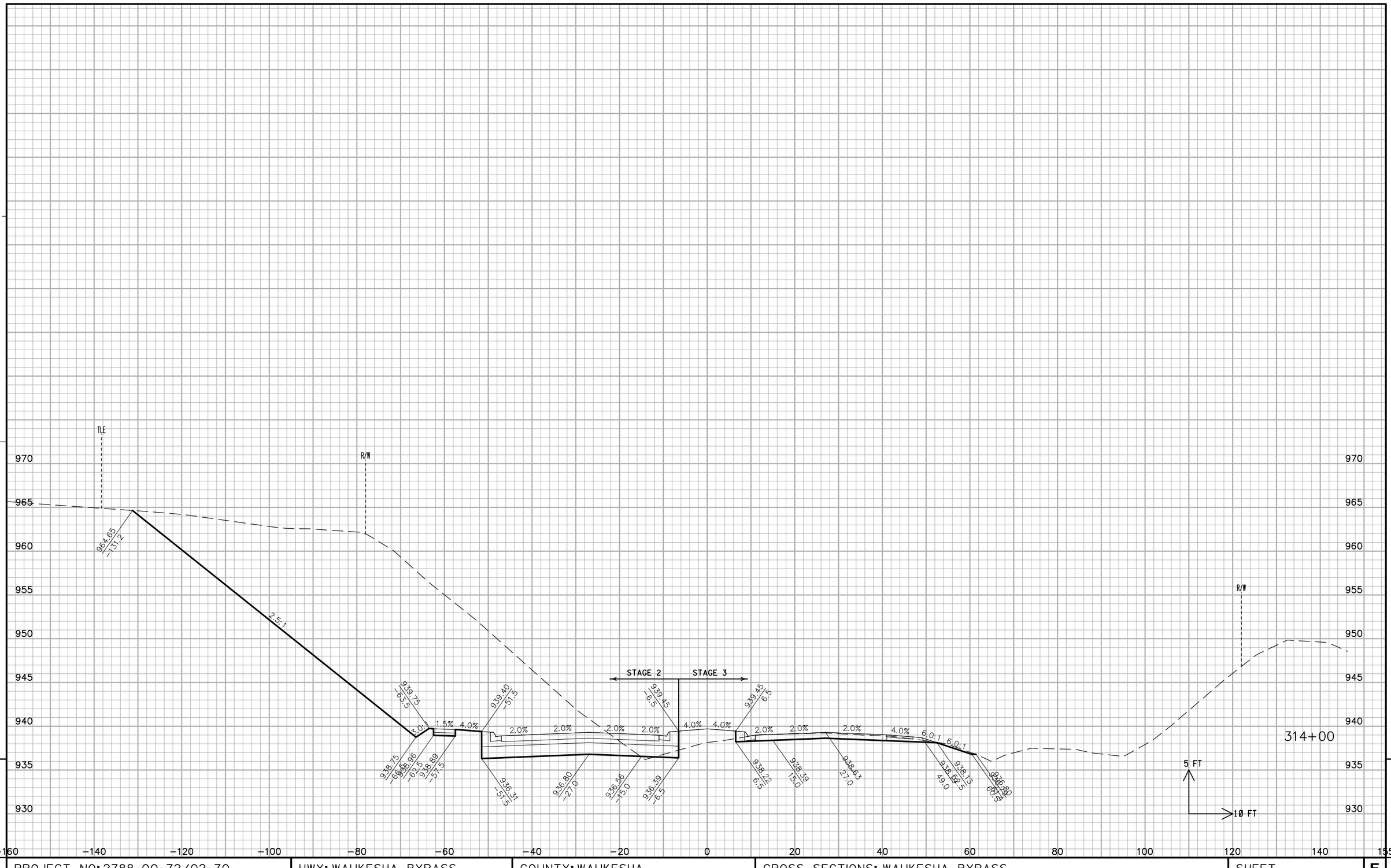


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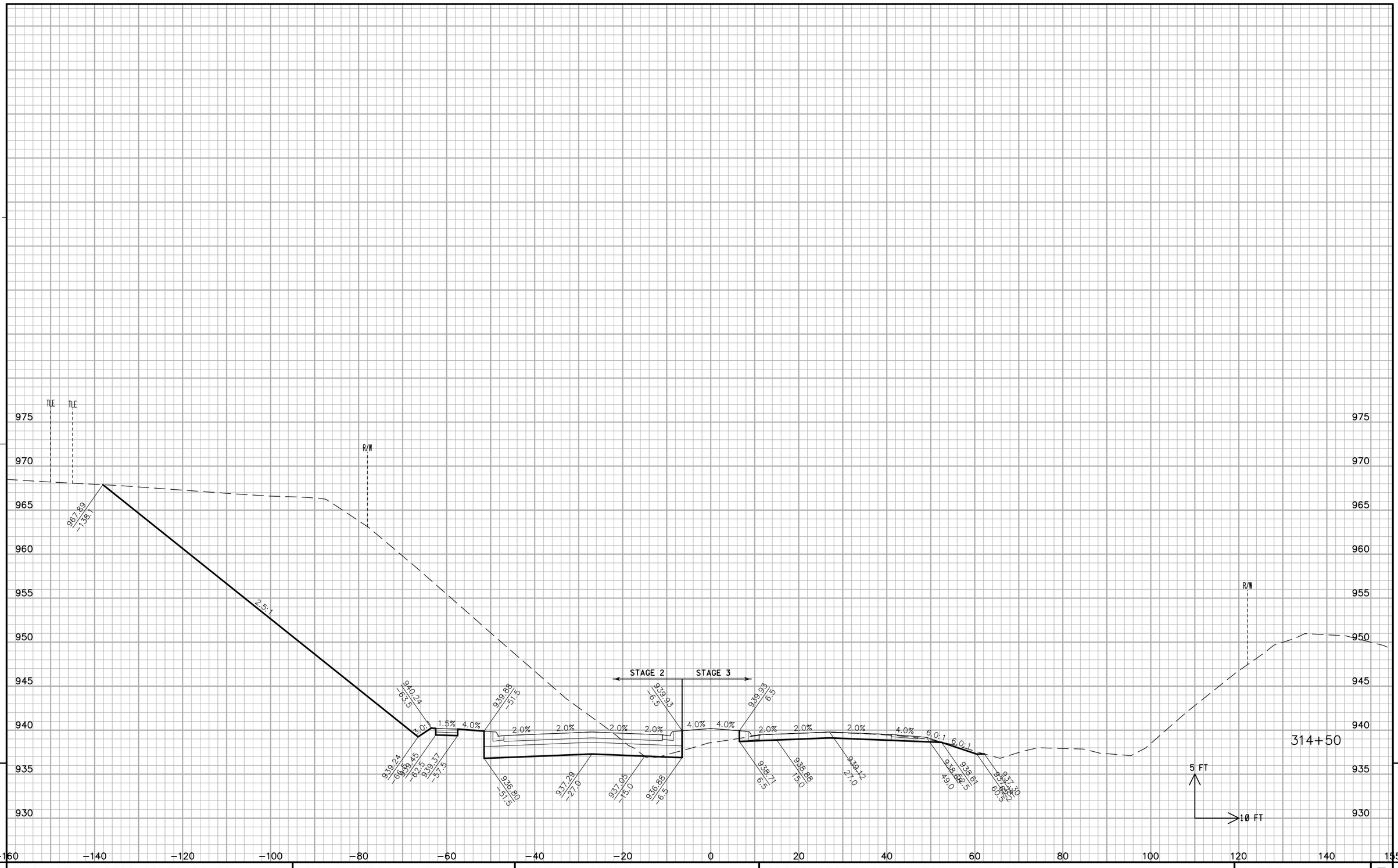


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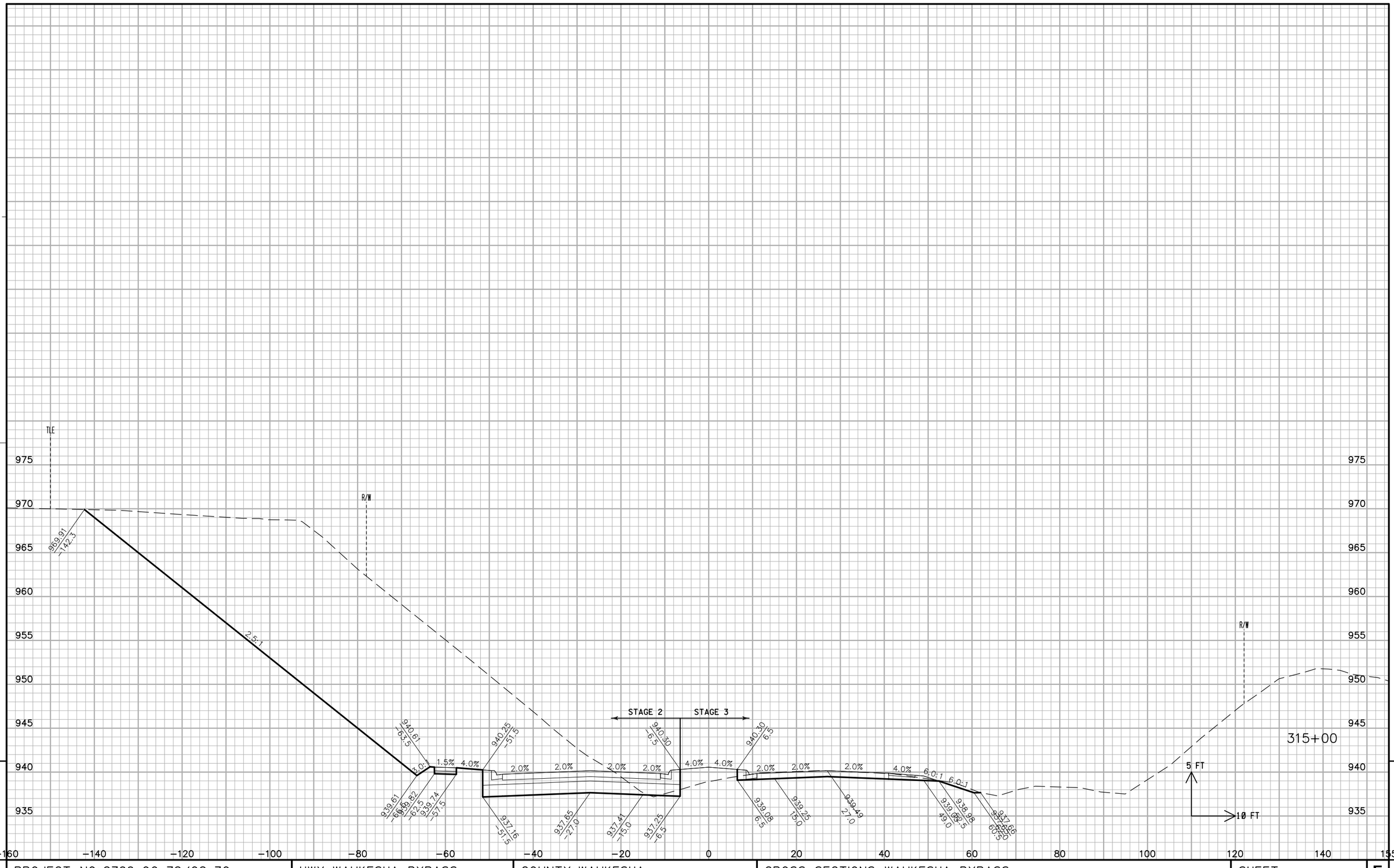
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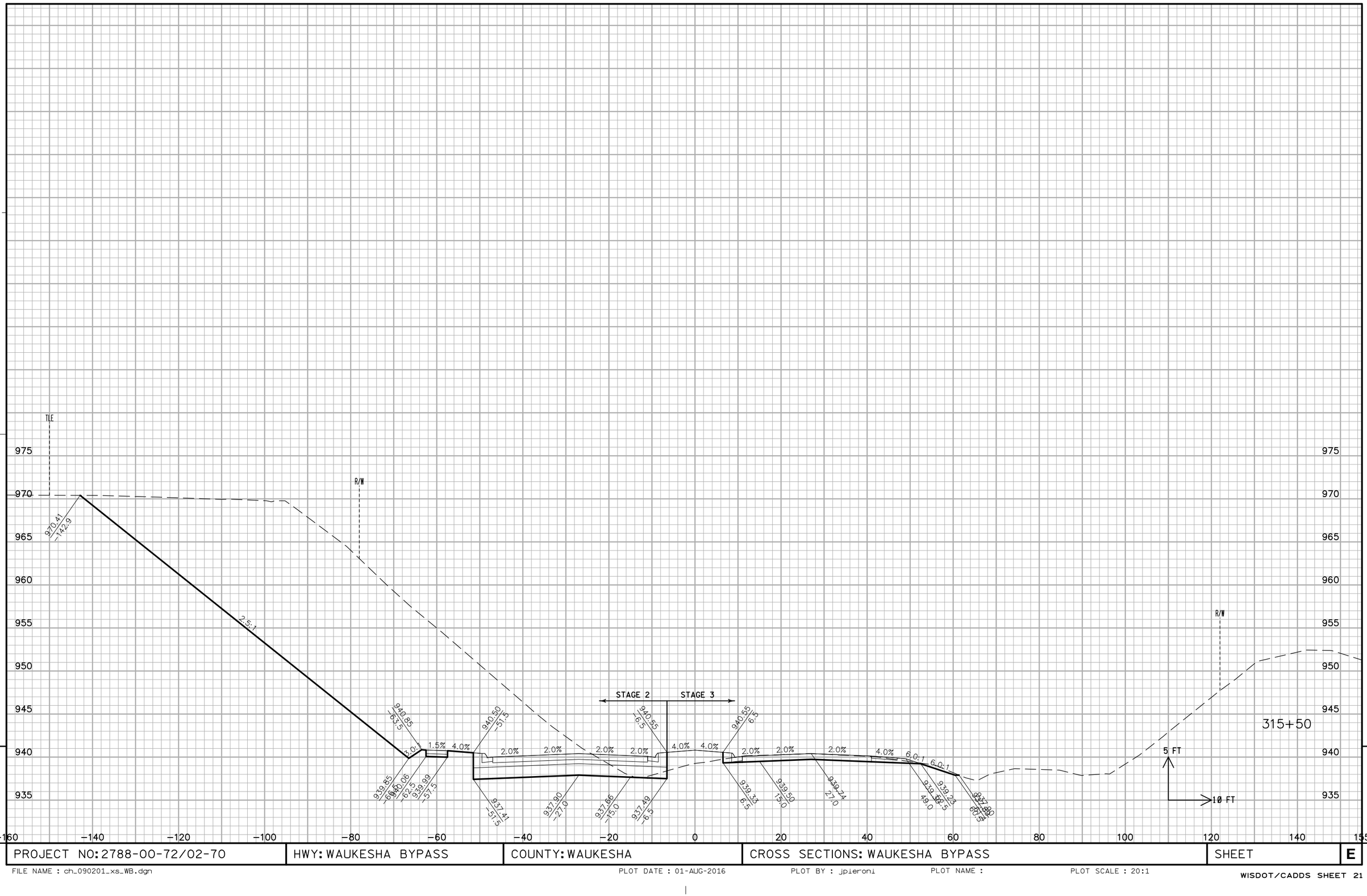


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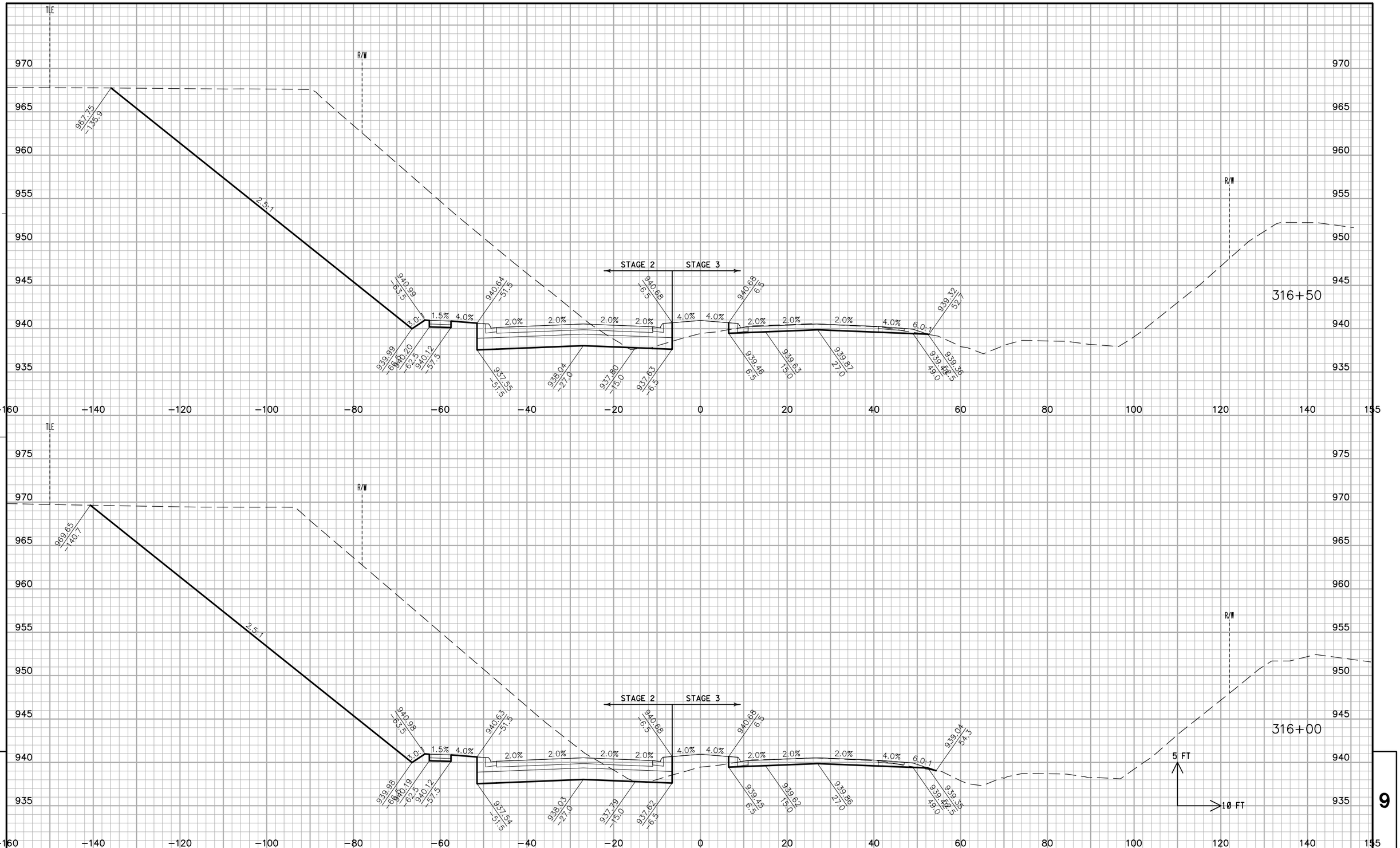
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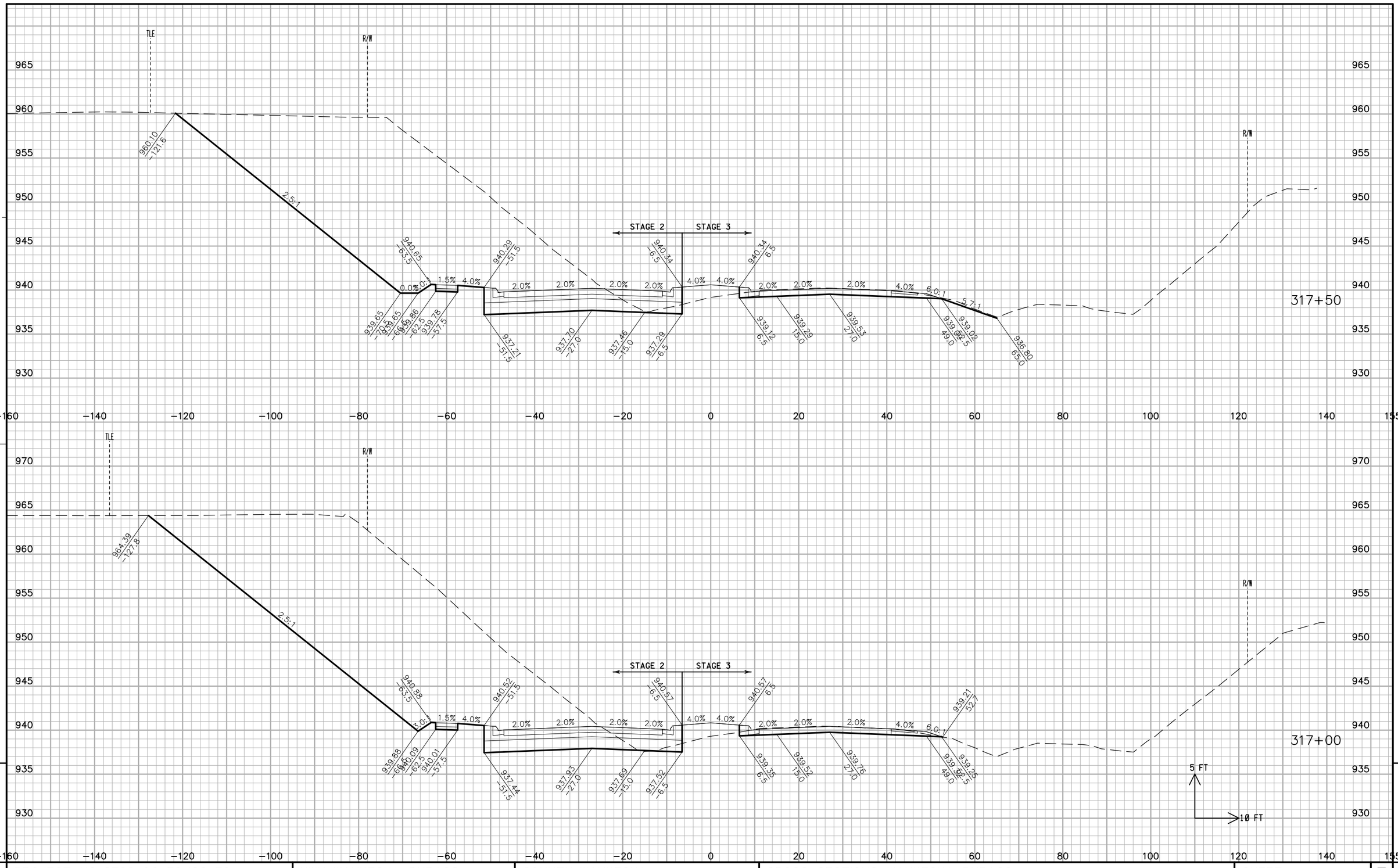
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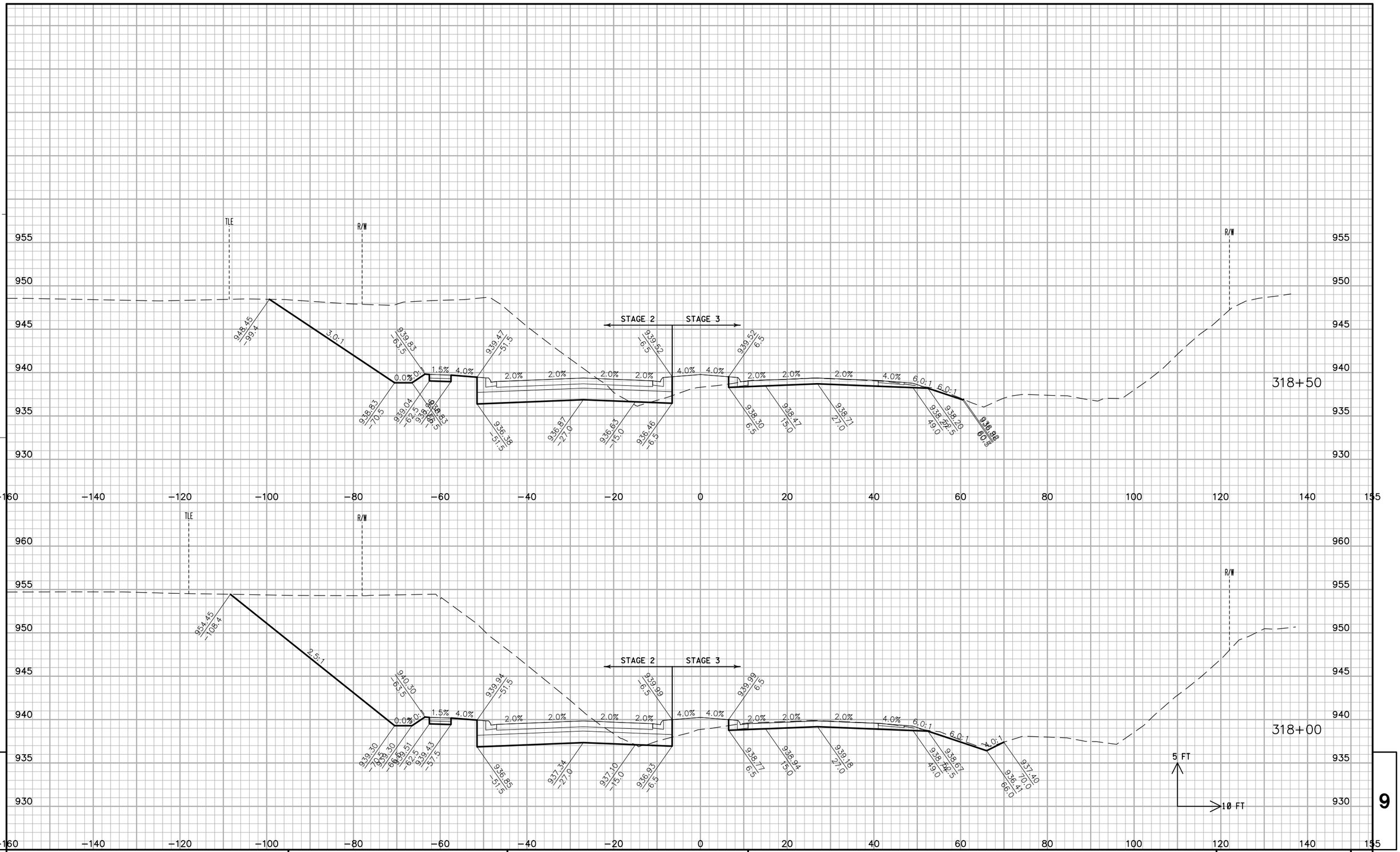
WISDOT/CADDS SHEET 21



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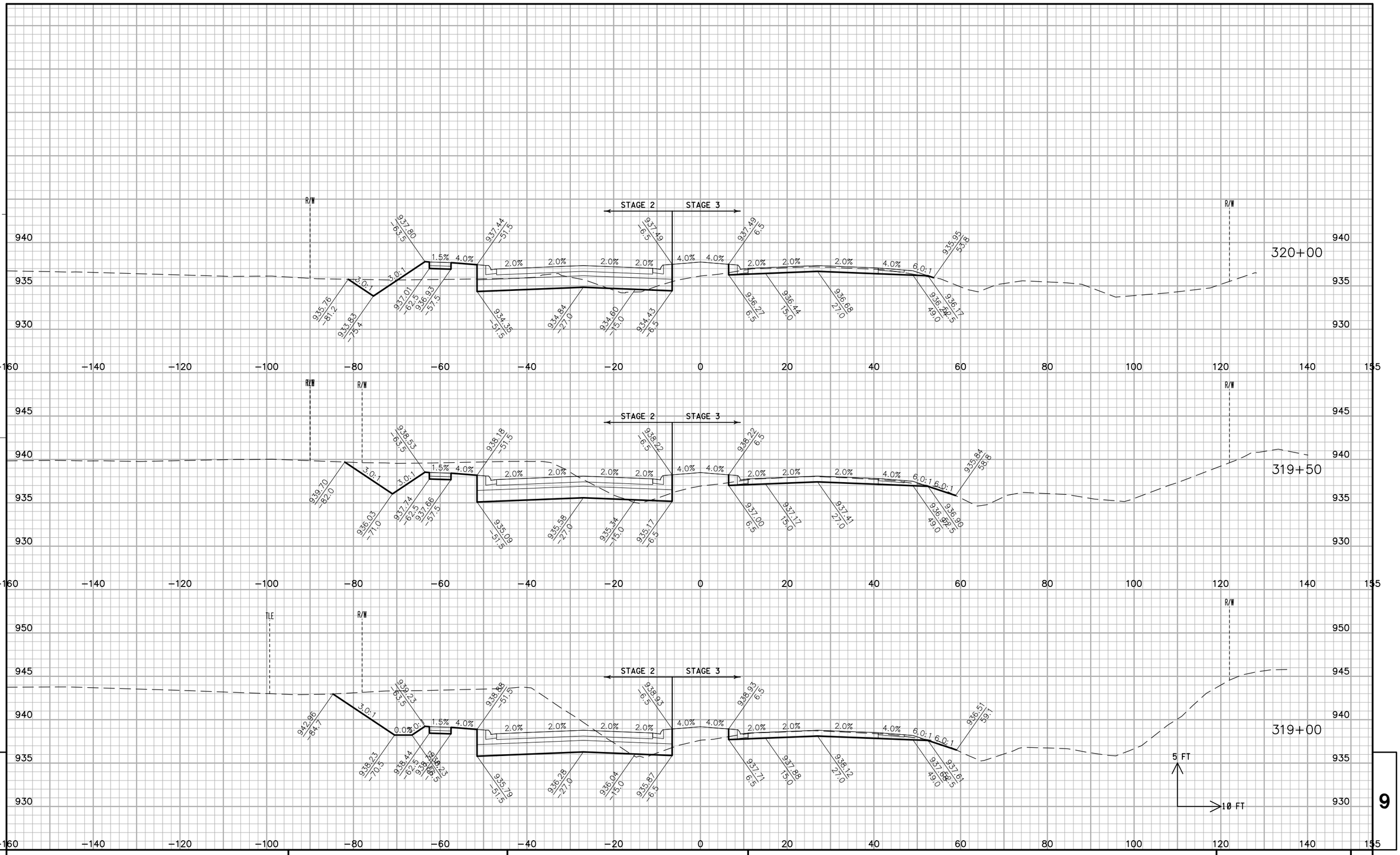
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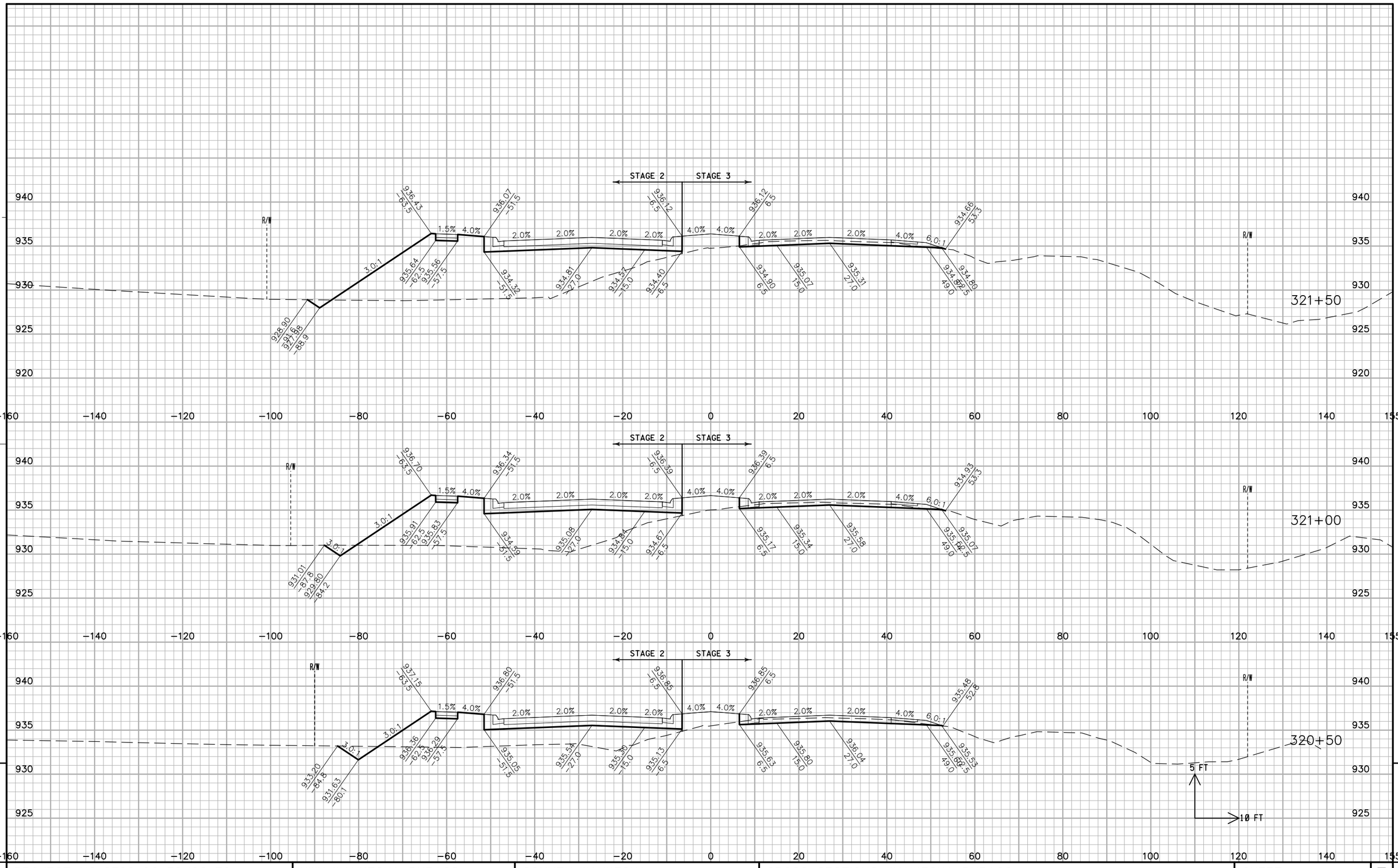
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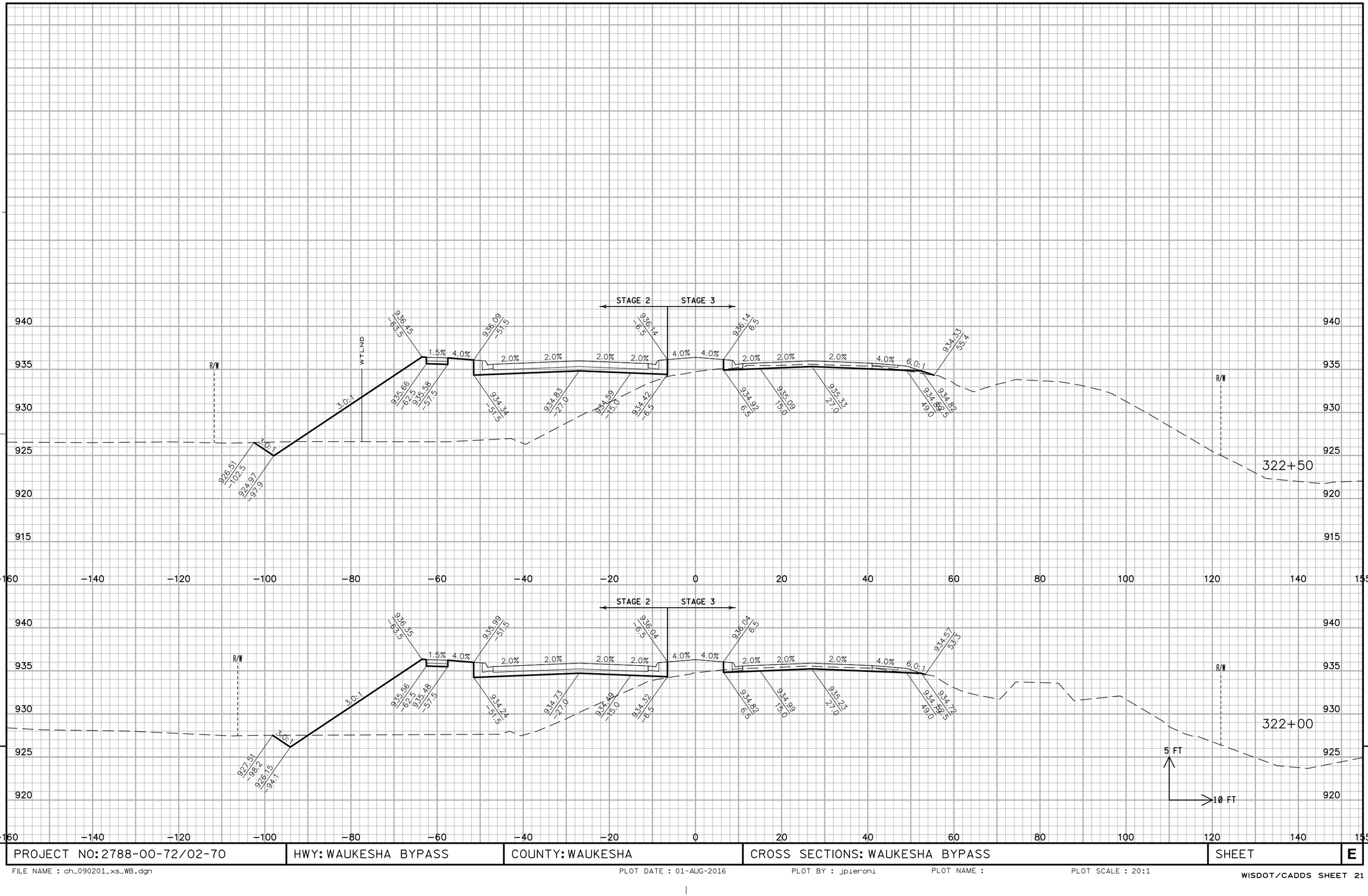


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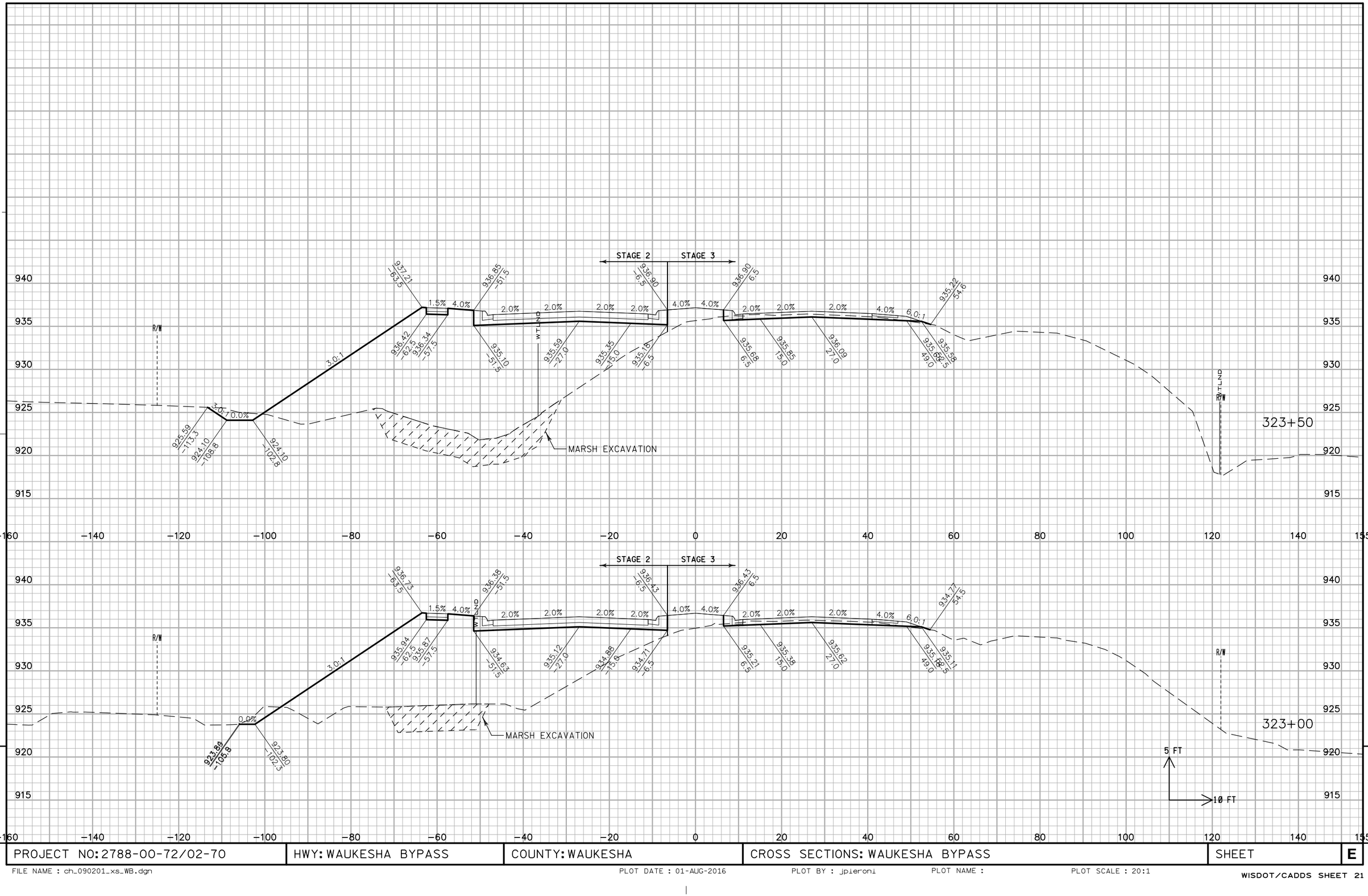
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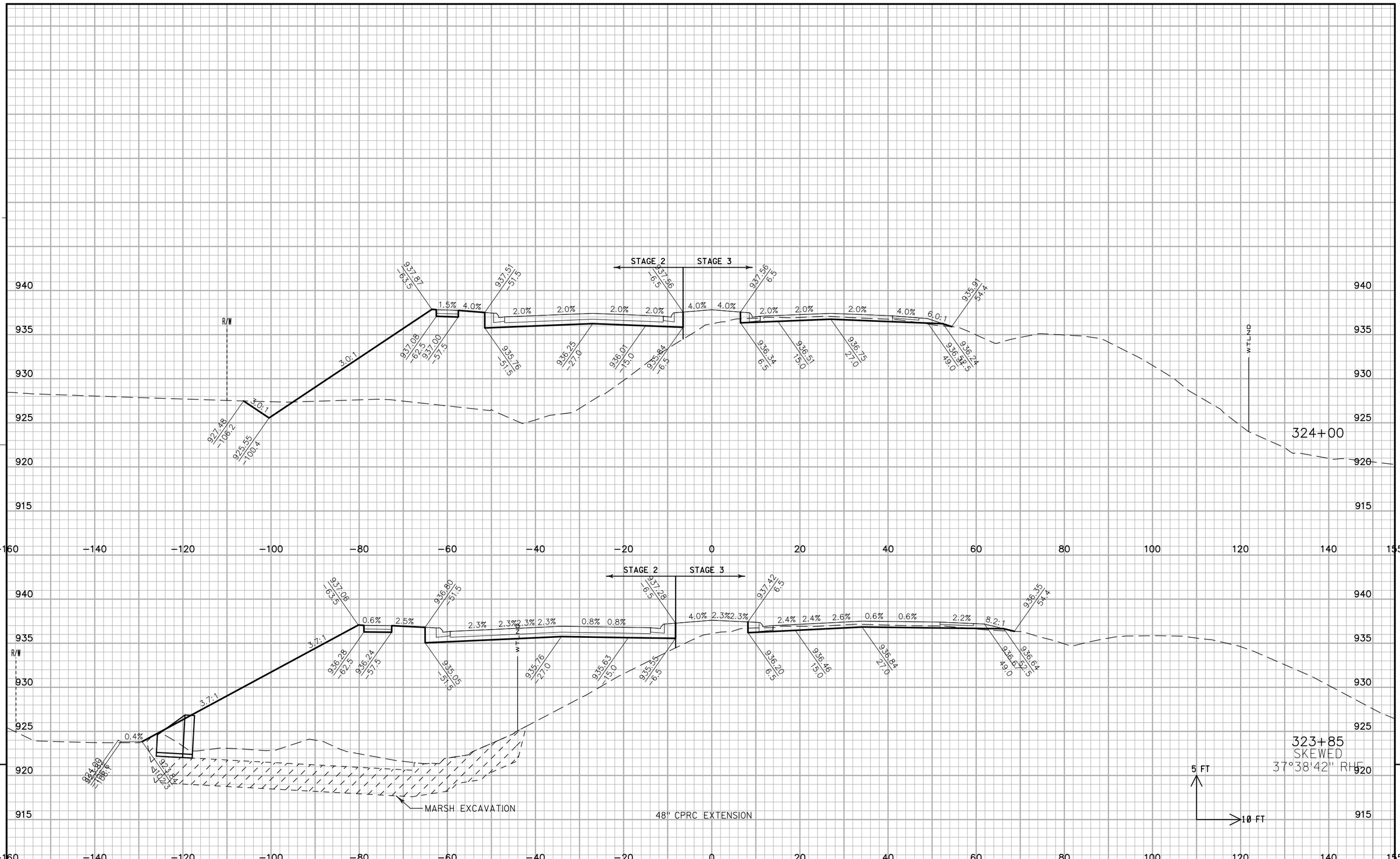
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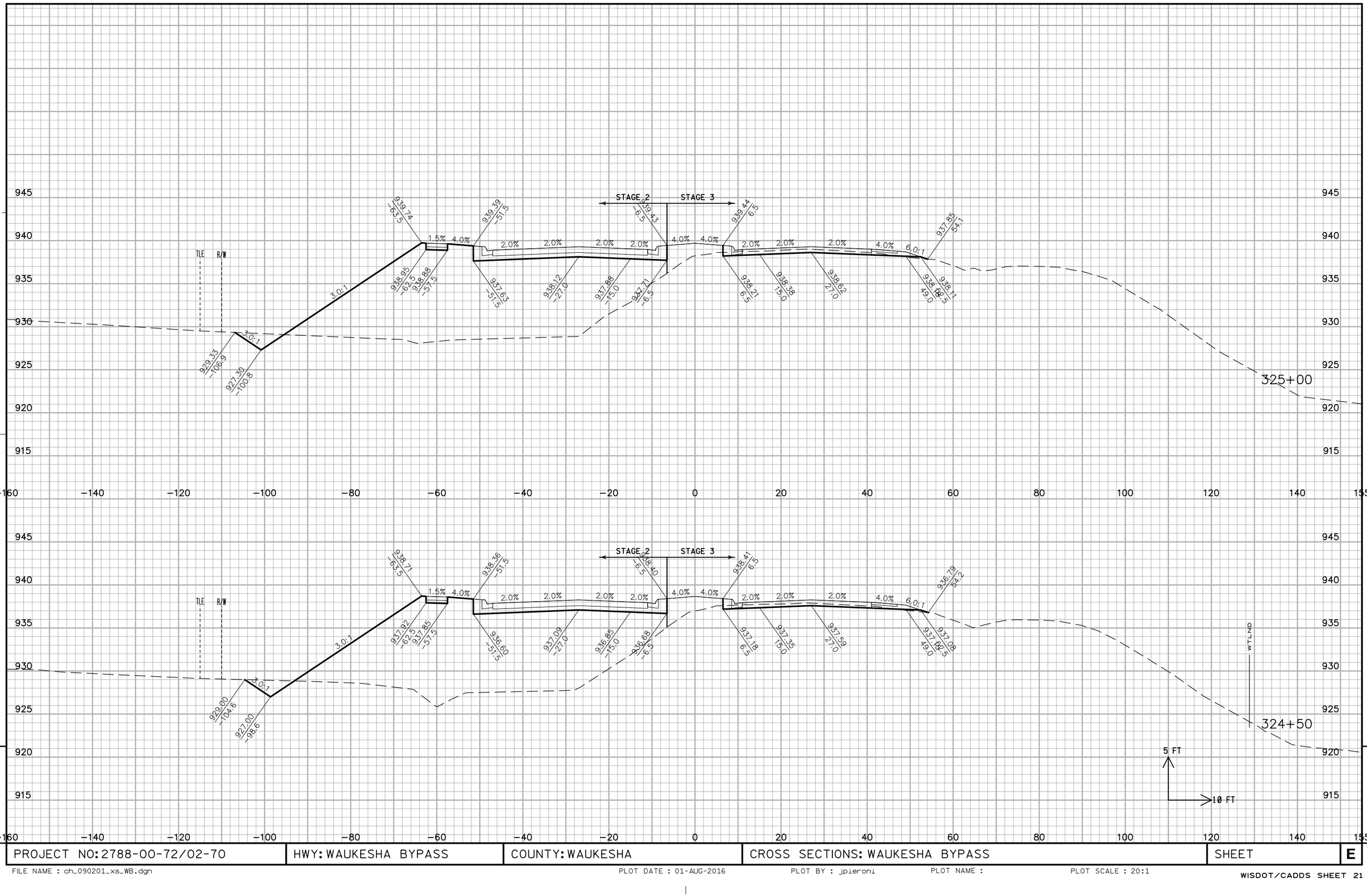
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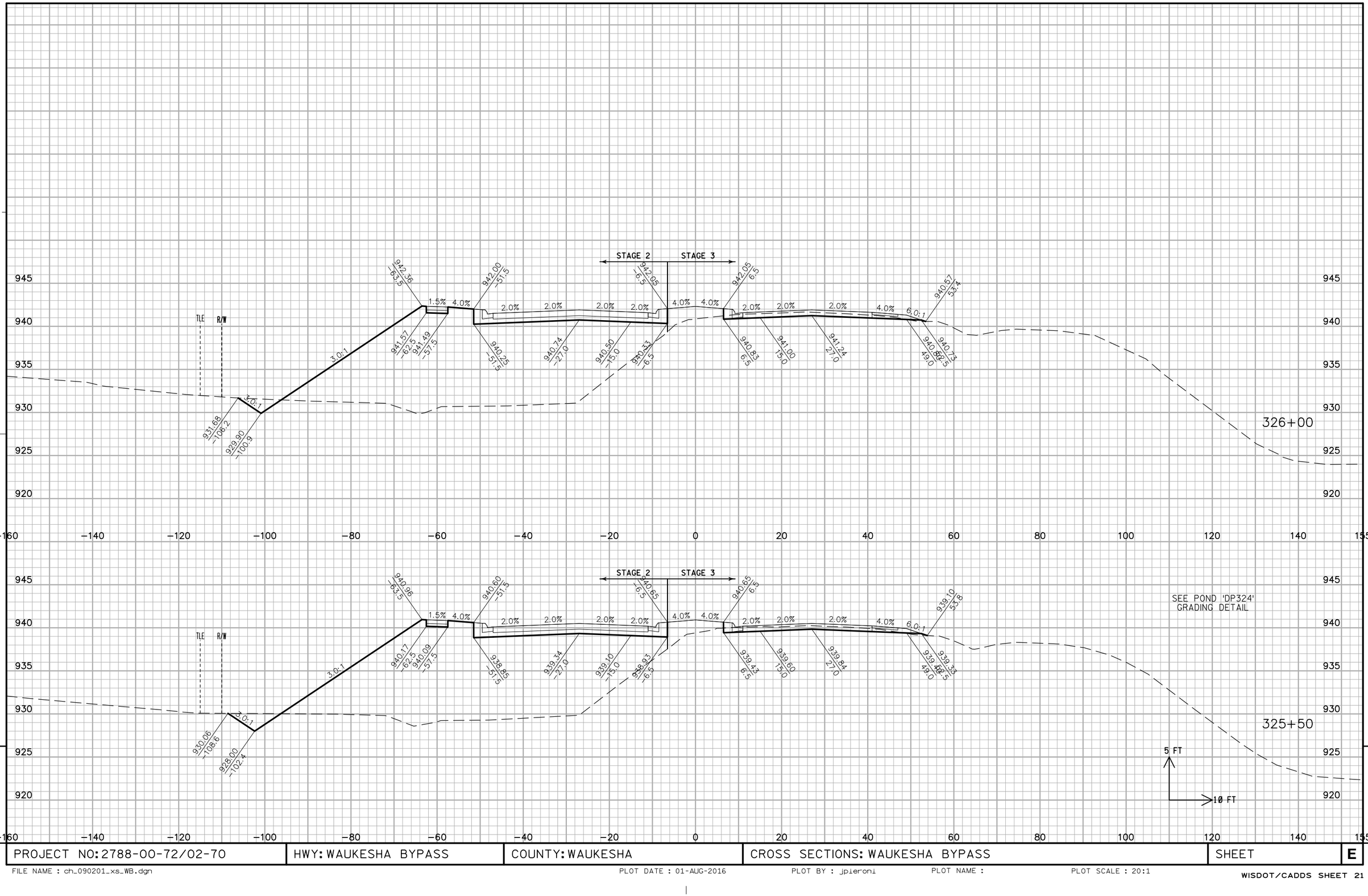
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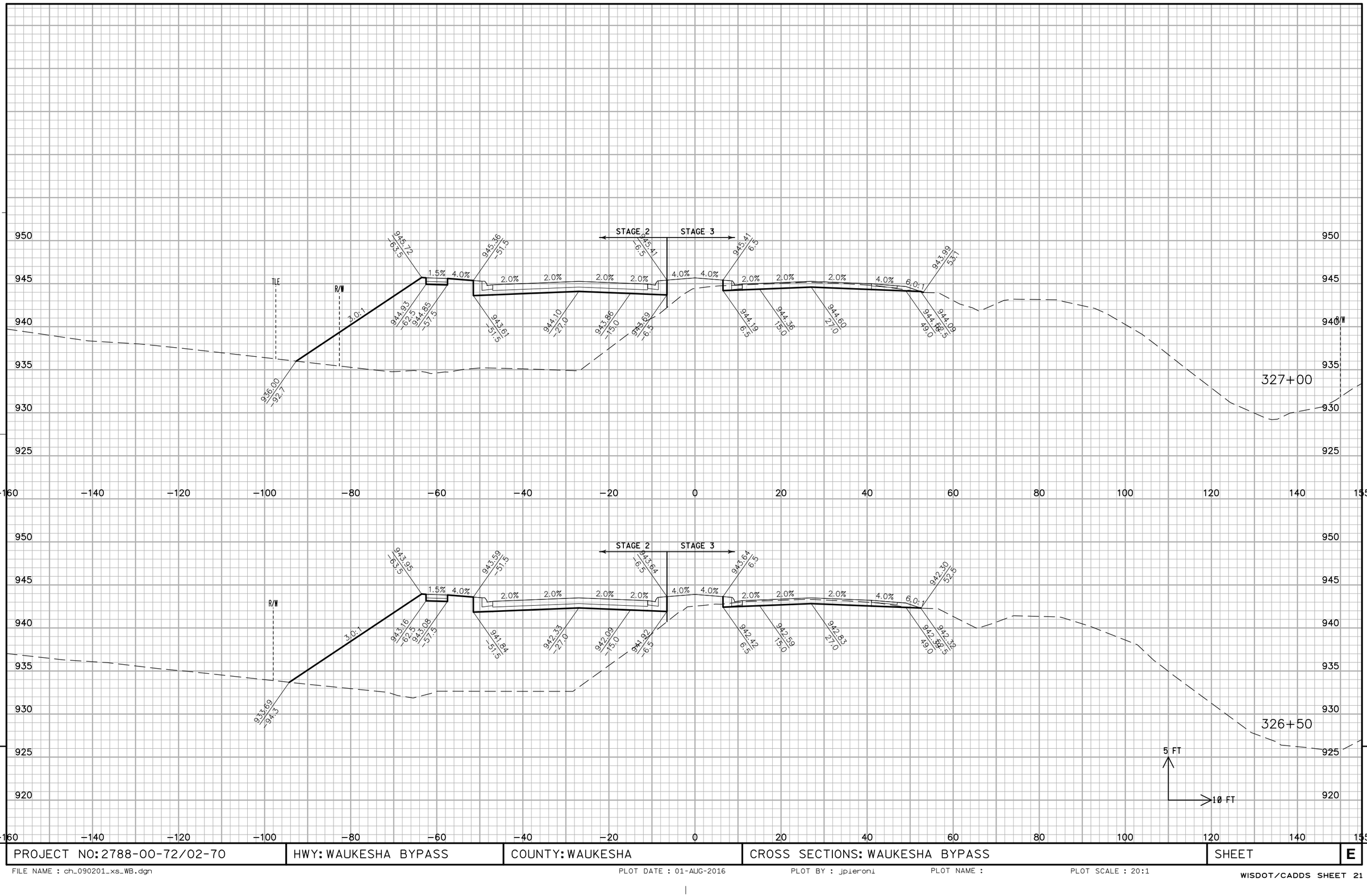
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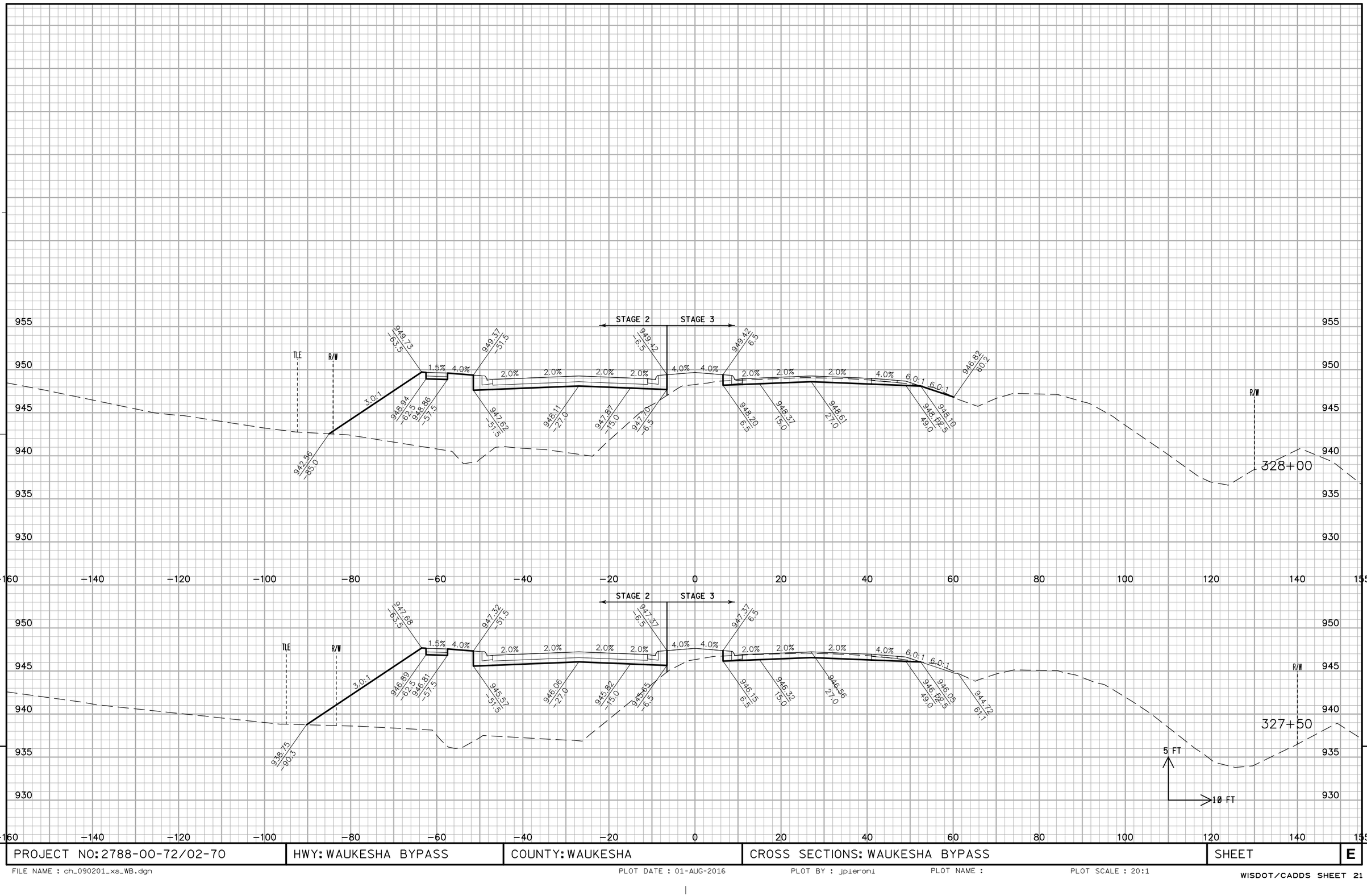
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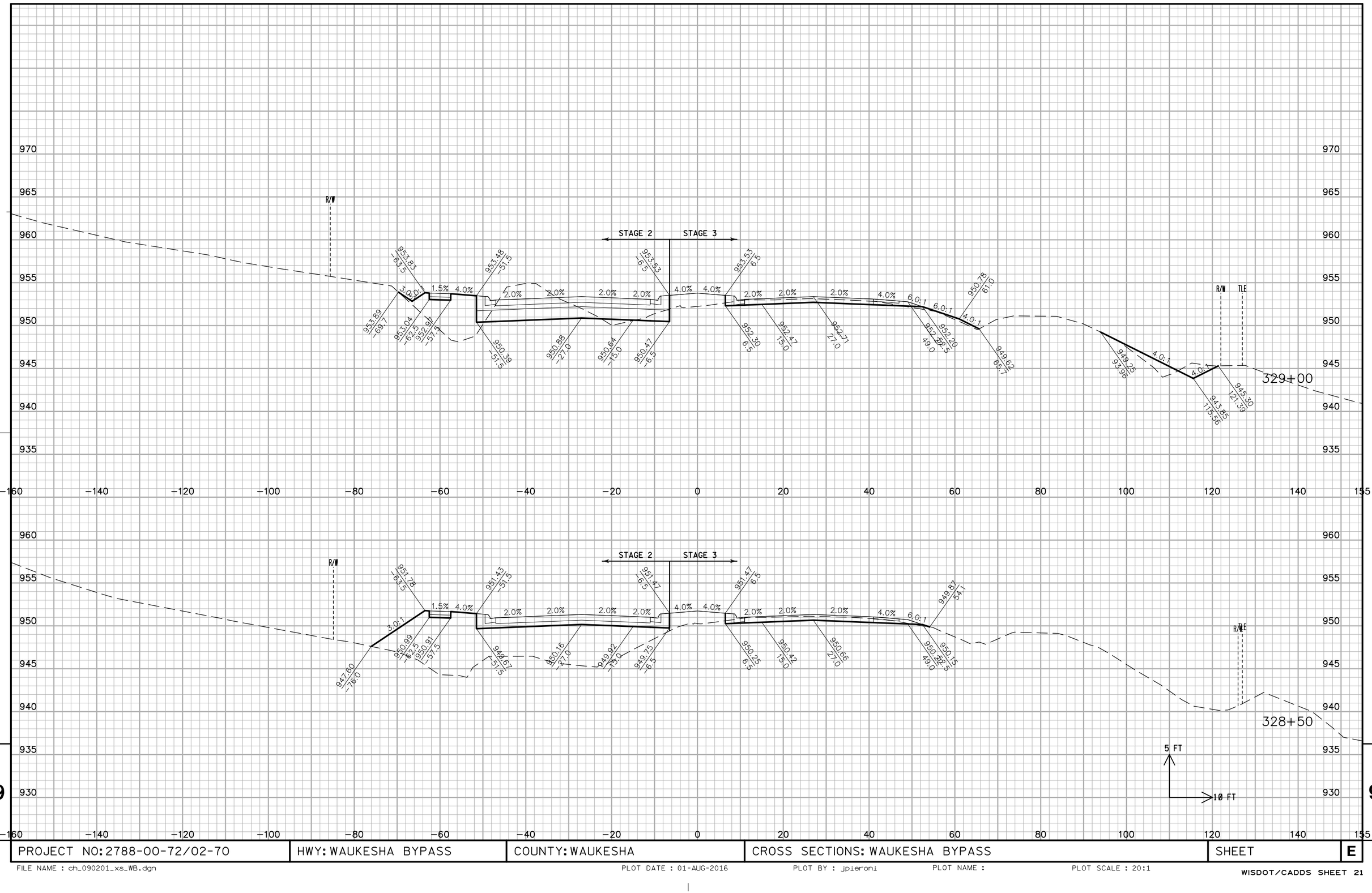
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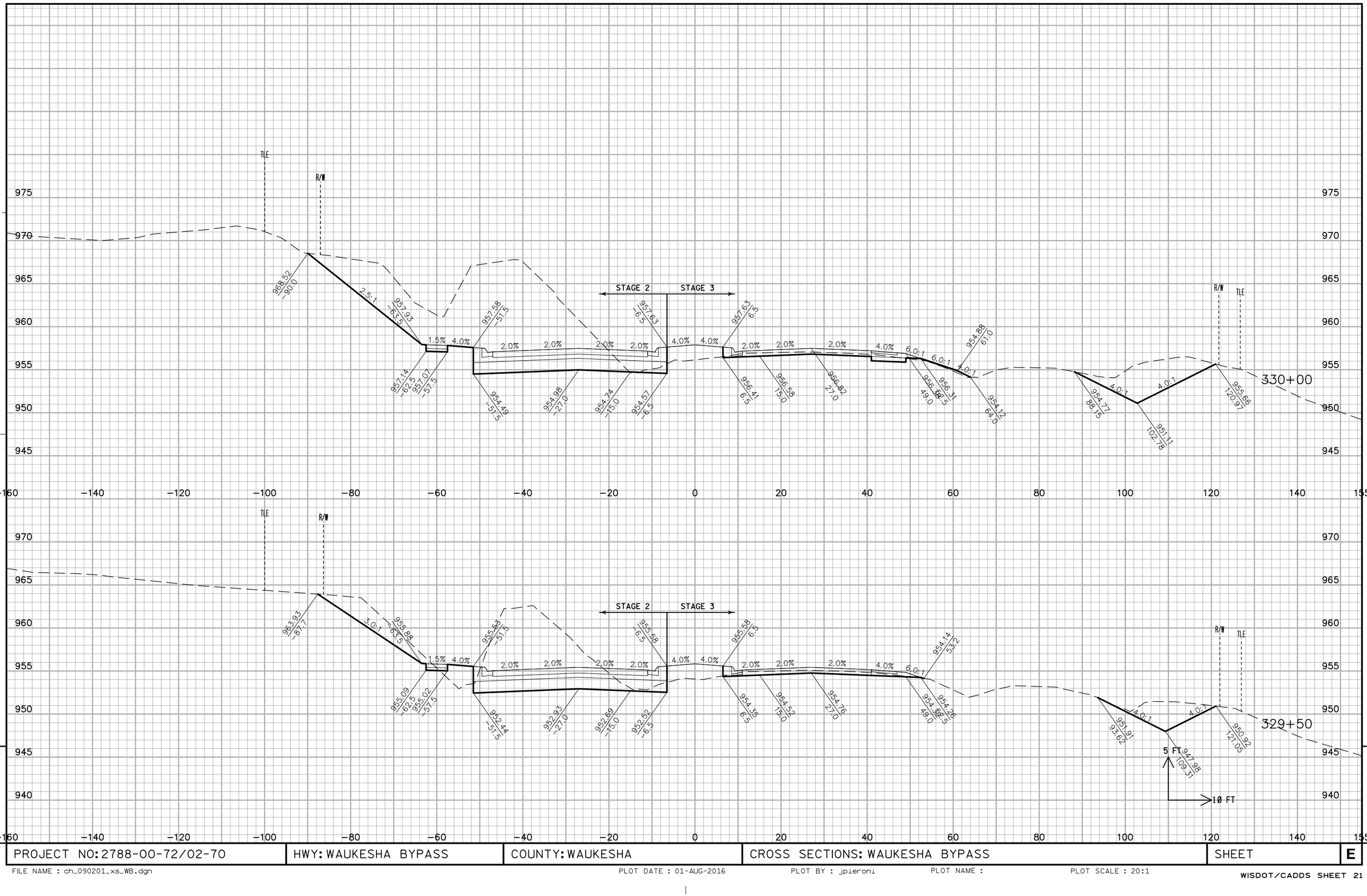
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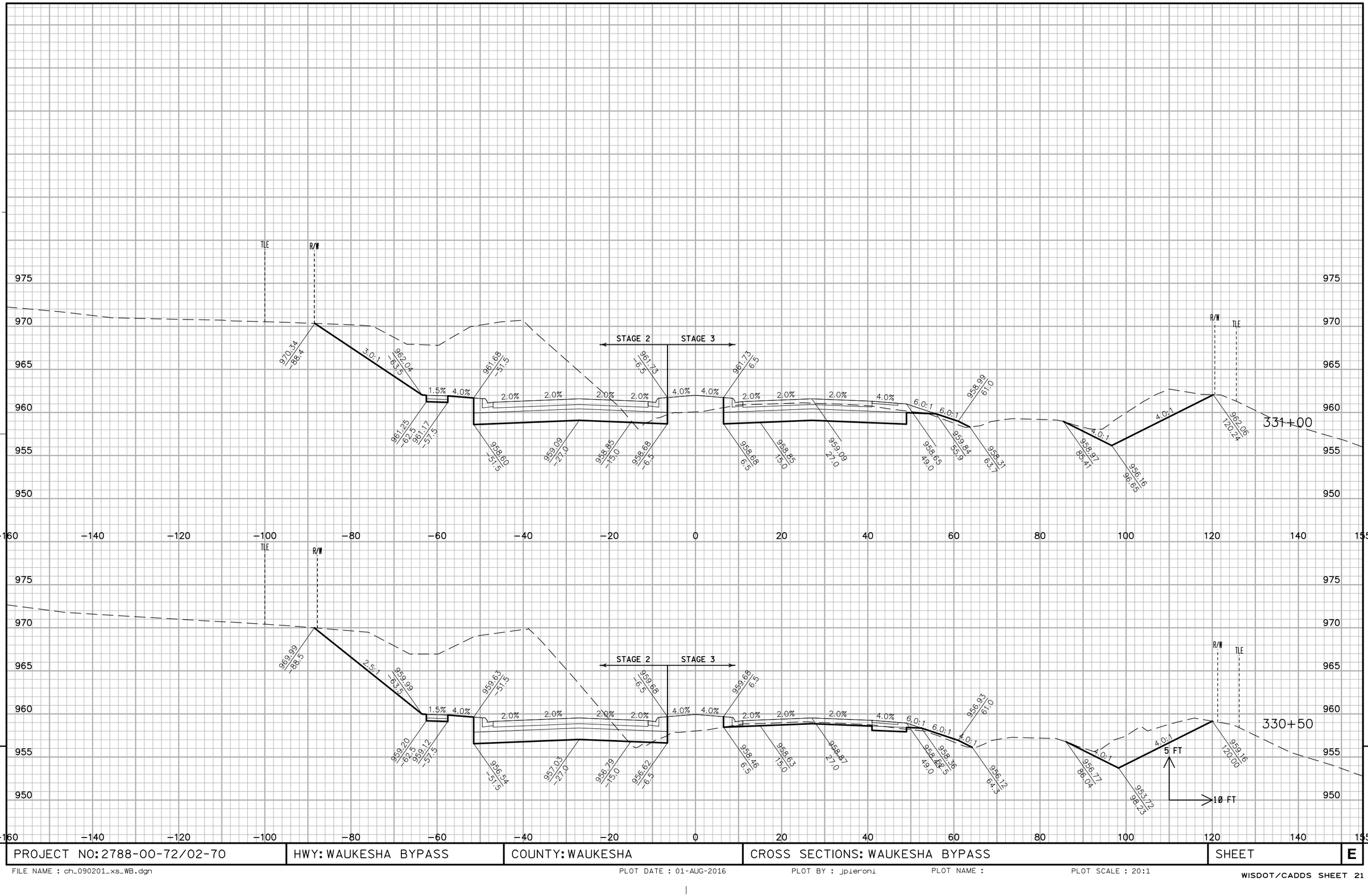


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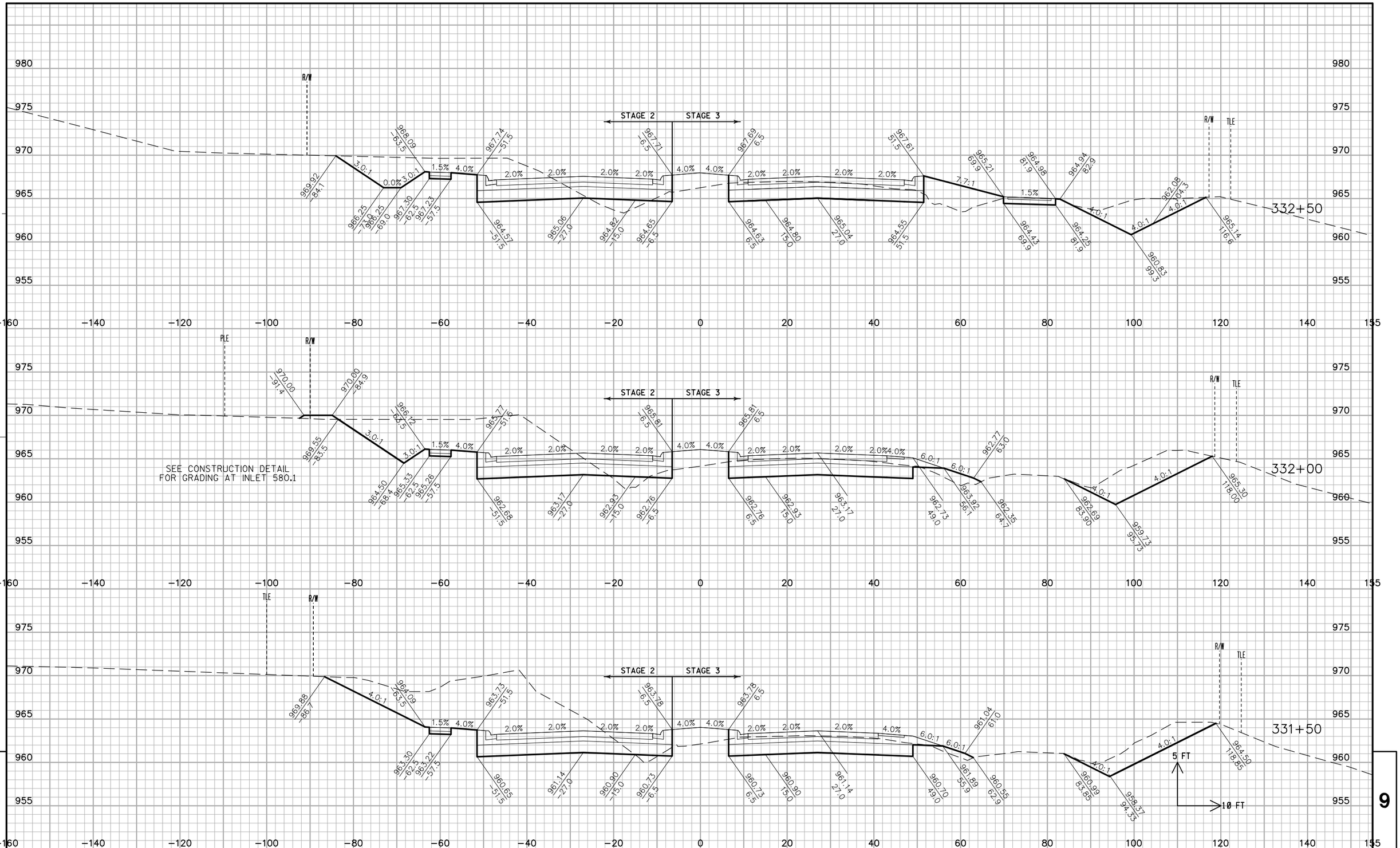
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

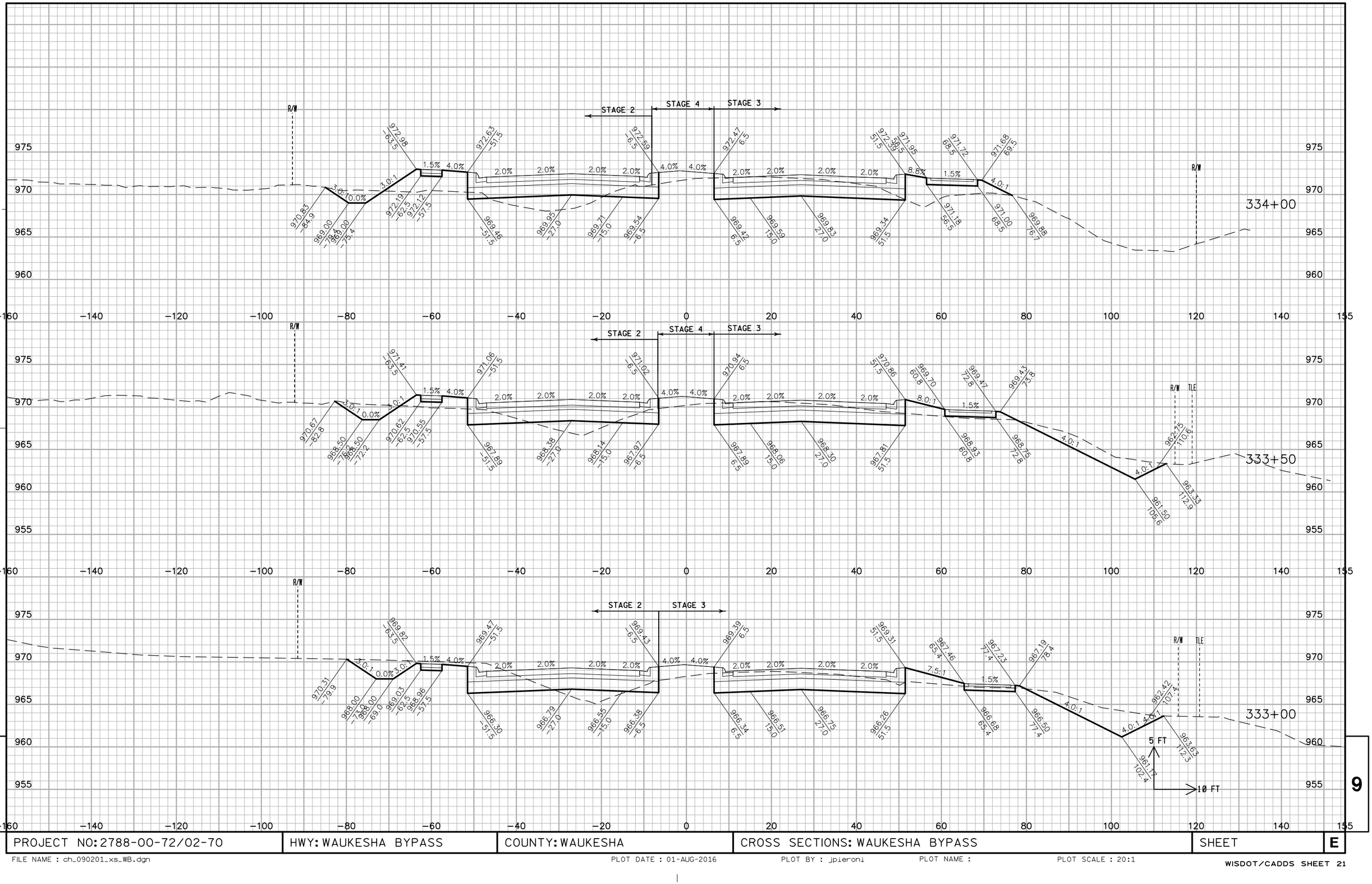
FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

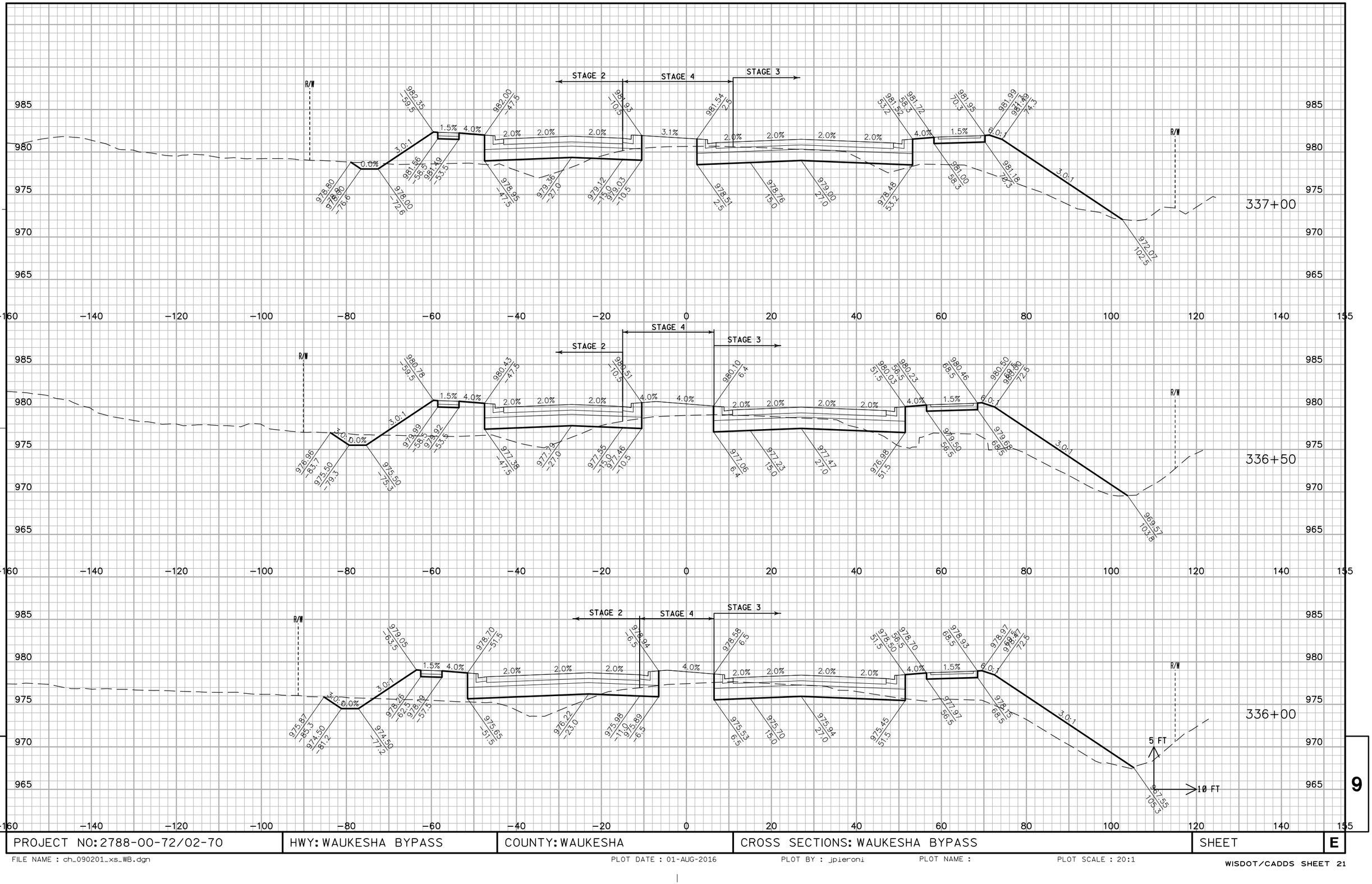


PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1



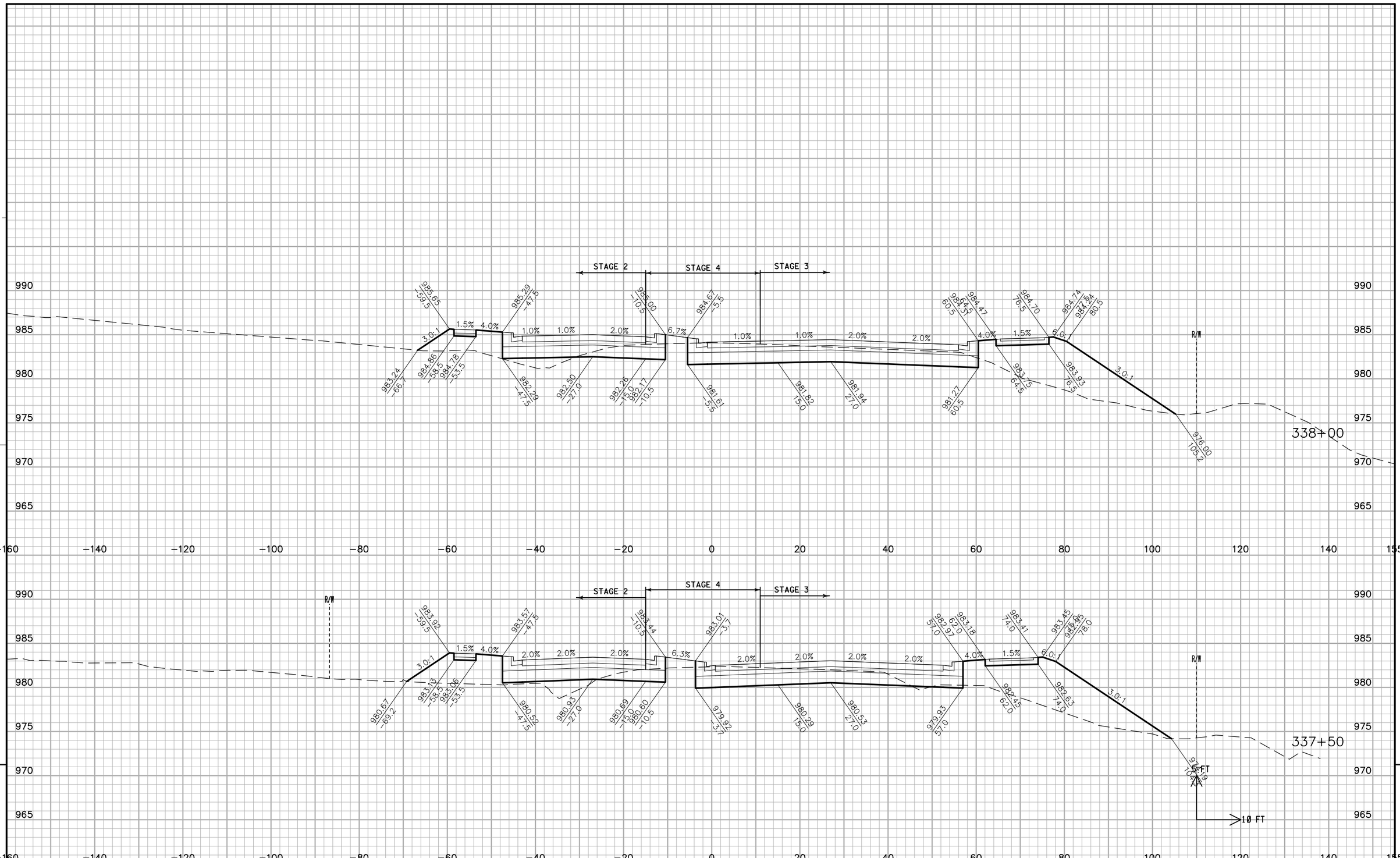
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

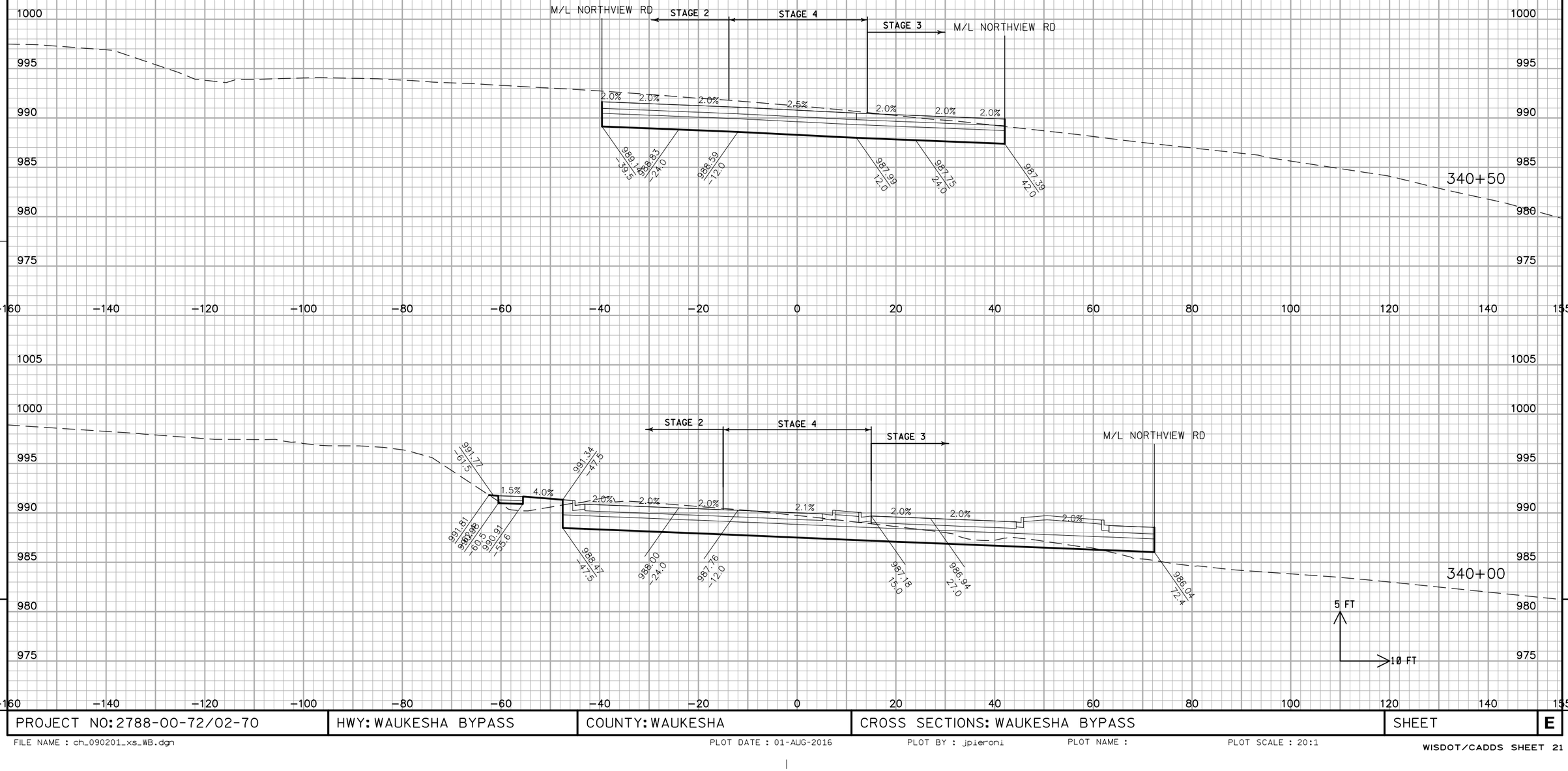
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PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

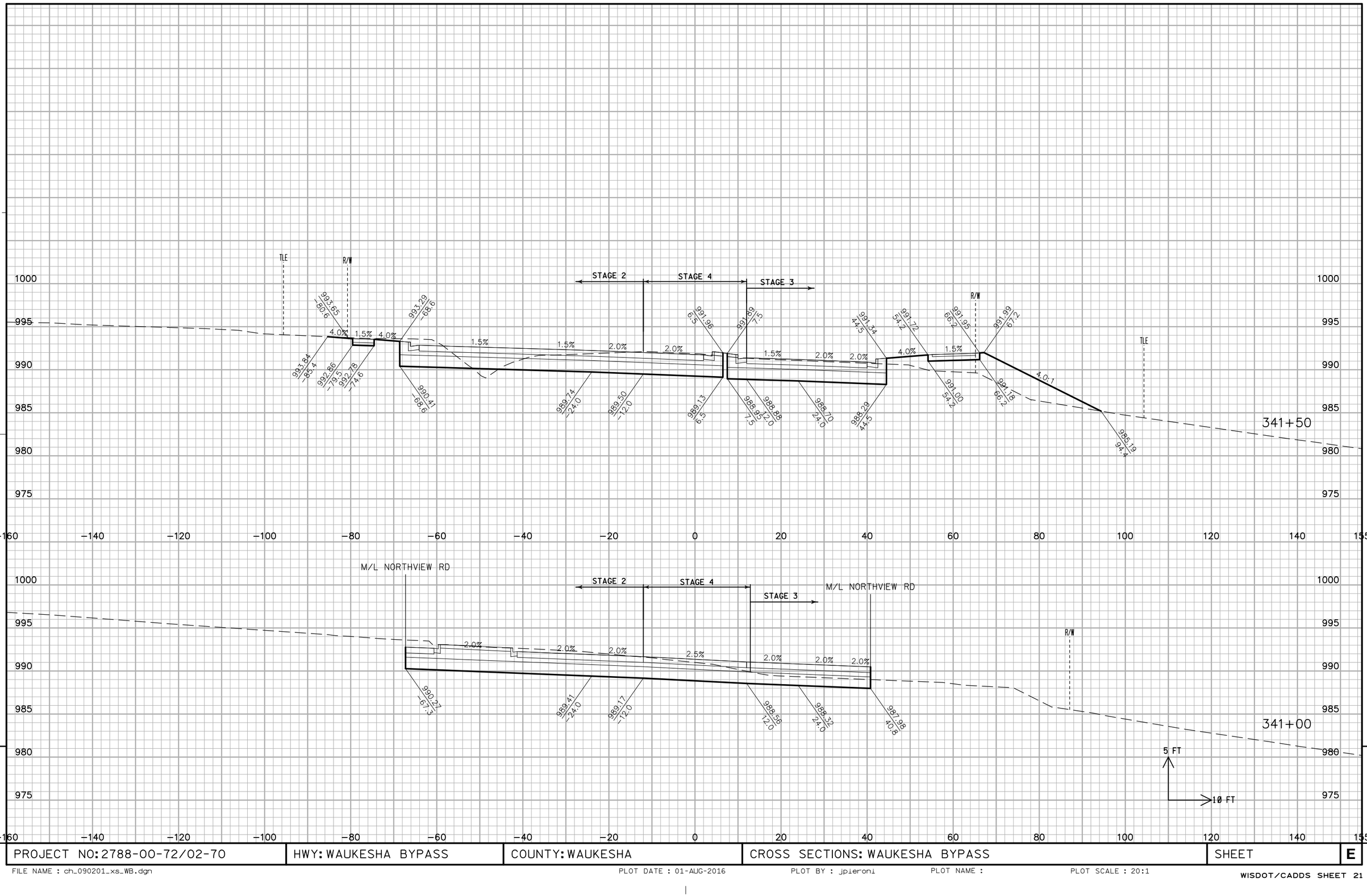
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

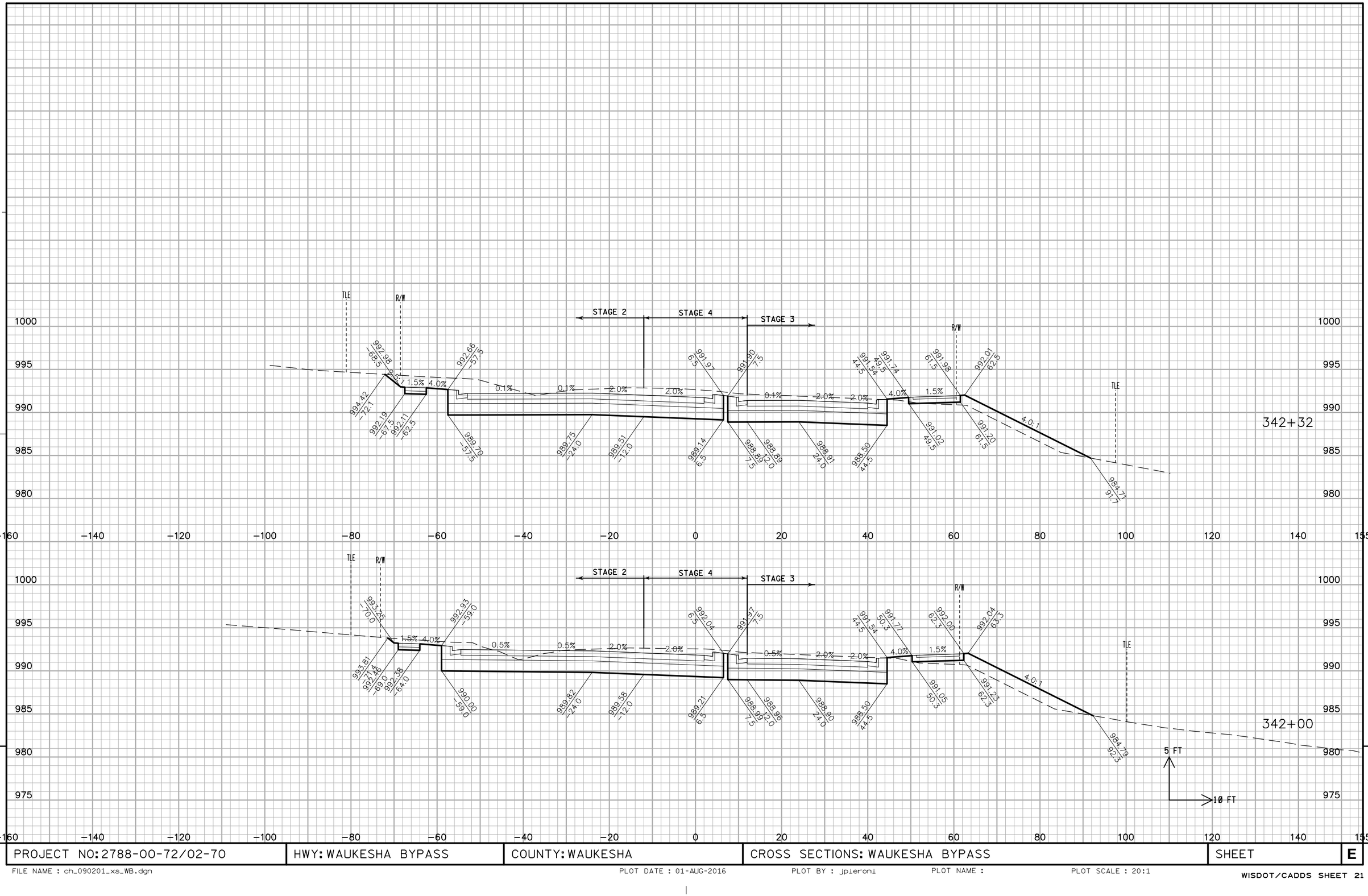
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : ch_090201_xs_WB.dgn PLOT DATE : 01-AUG-2016 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 20:1

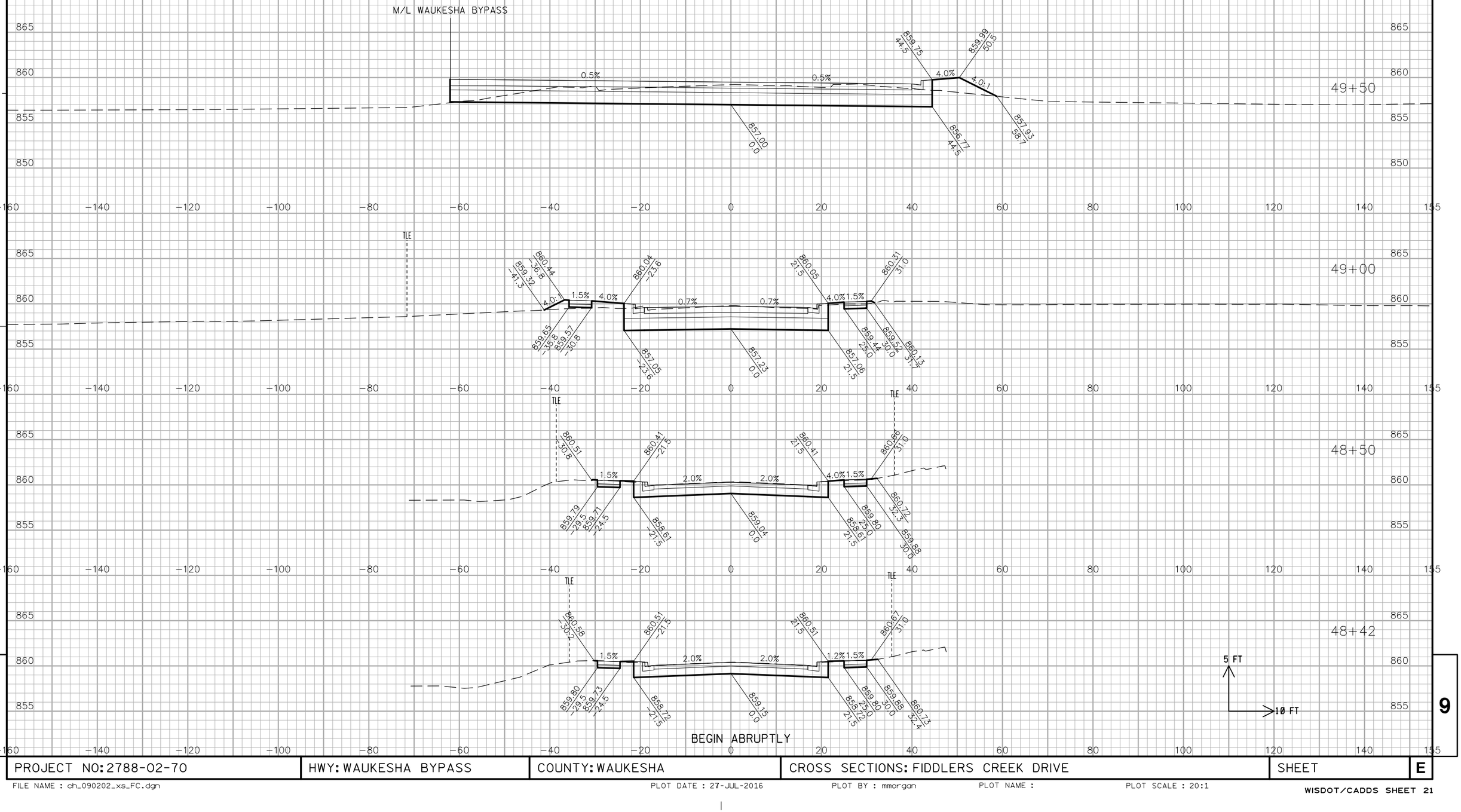
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-72/02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

ALL WORK COMPLETED
STAGE 2

END ABRUPTLY

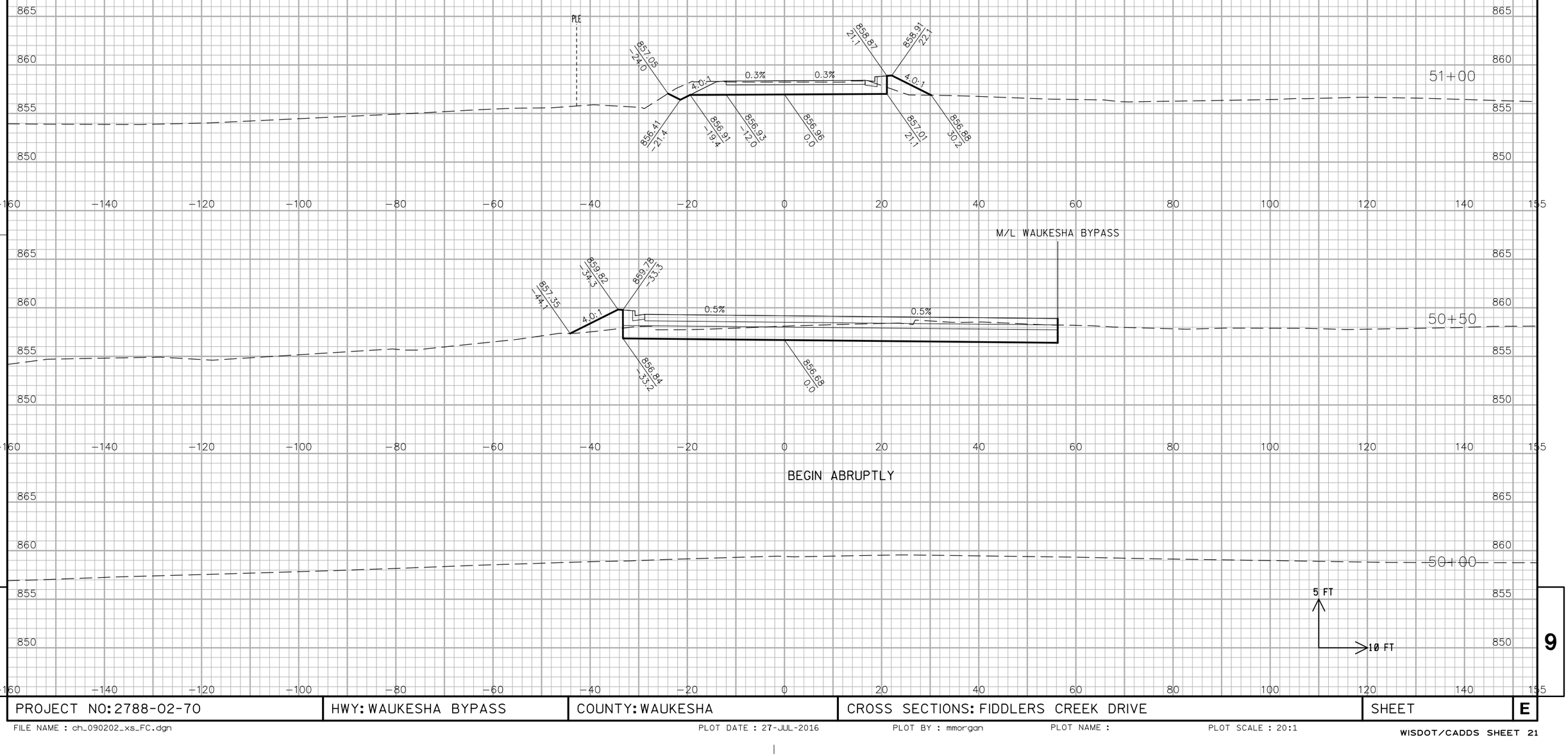


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: FIDDLERS CREEK DRIVE	SHEET	E

FILE NAME : ch_090202_xs_FC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

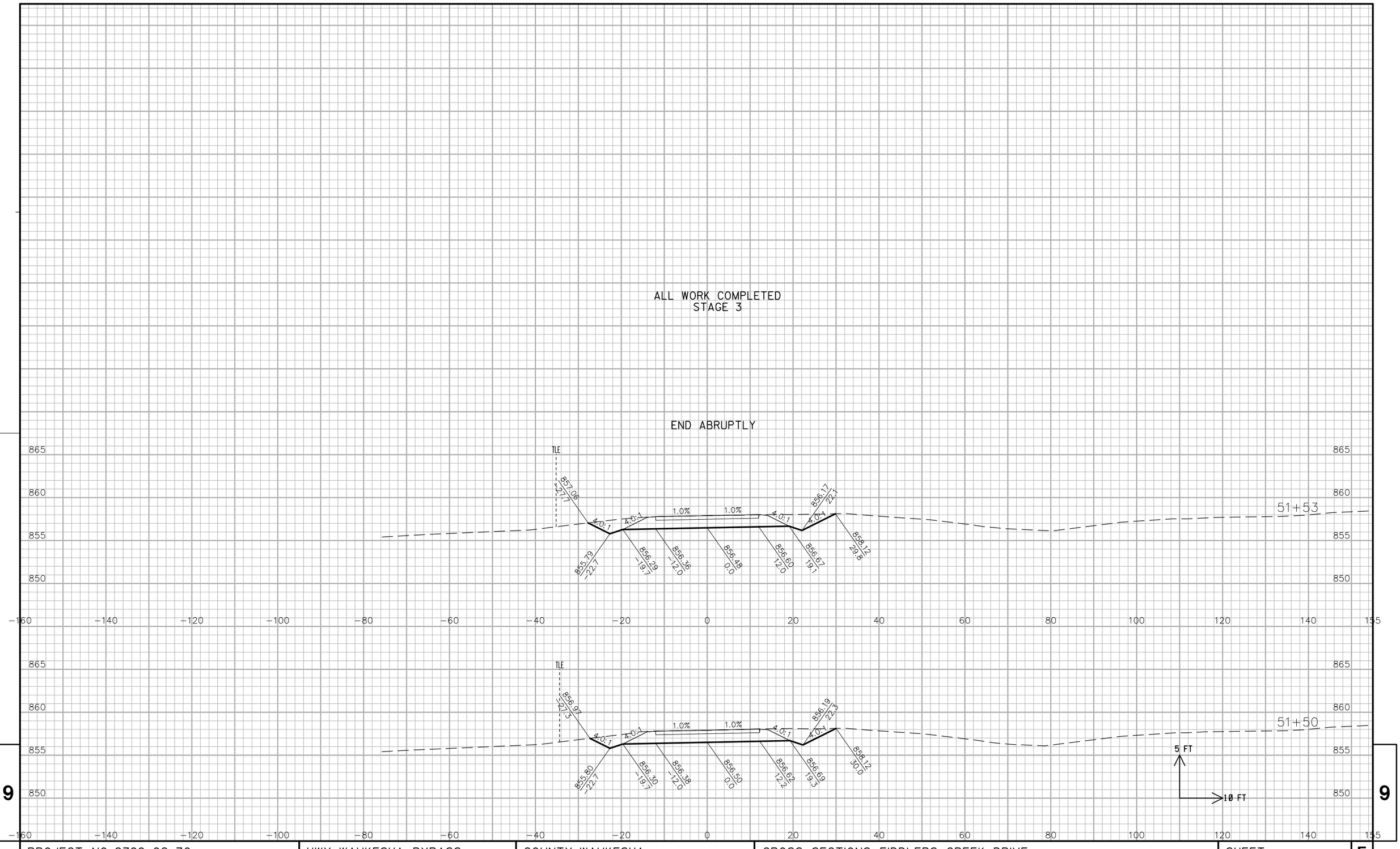
ALL WORK COMPLETED
STAGE 3



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: FIDDLERS CREEK DRIVE	SHEET	E

ALL WORK COMPLETED
STAGE 3

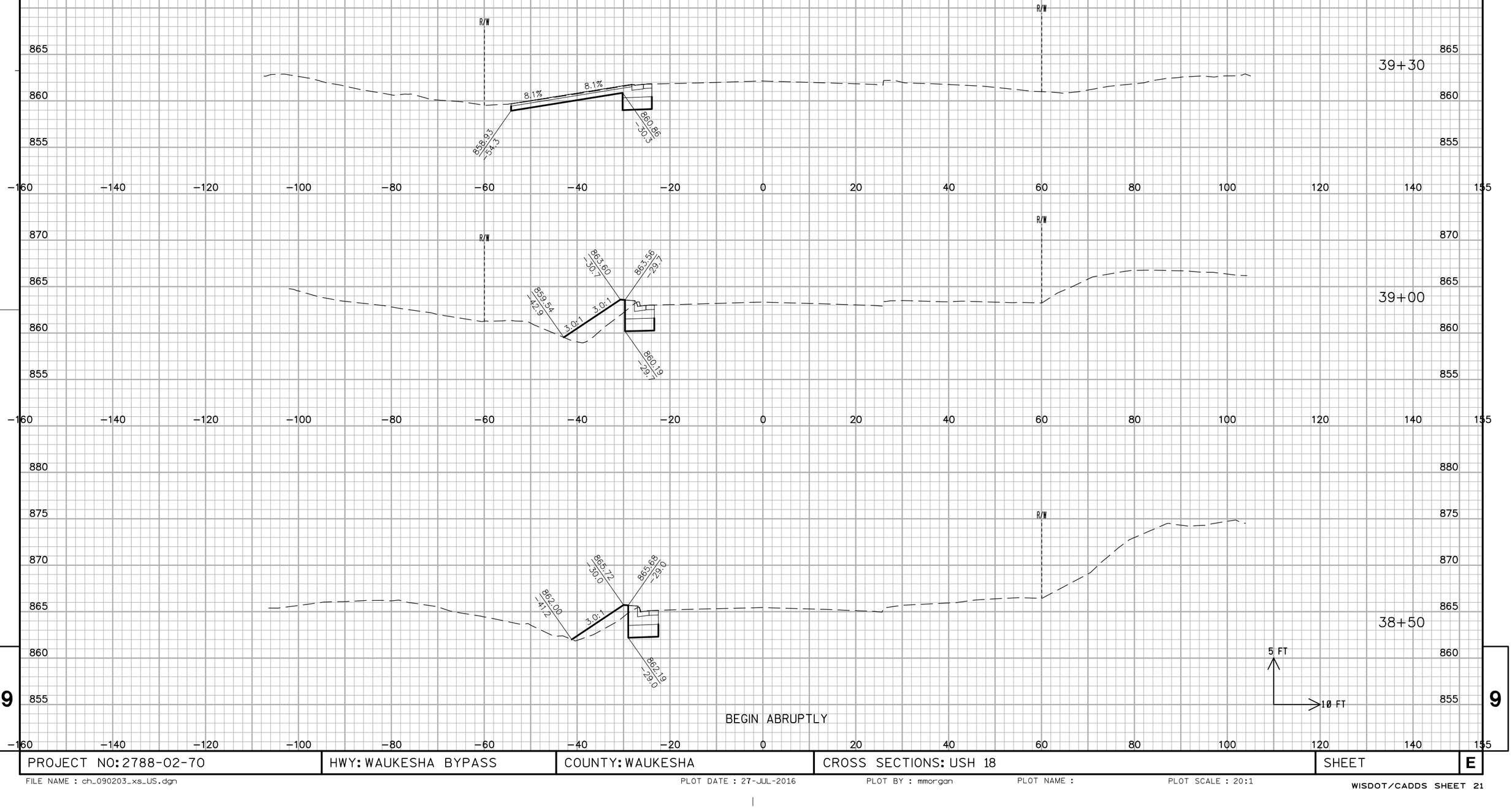
END ABRUPTLY



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: FIDDLERS CREEK DRIVE	SHEET	E

FILE NAME : ch_090202_xs_FC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2



BEGIN ABRUPTLY

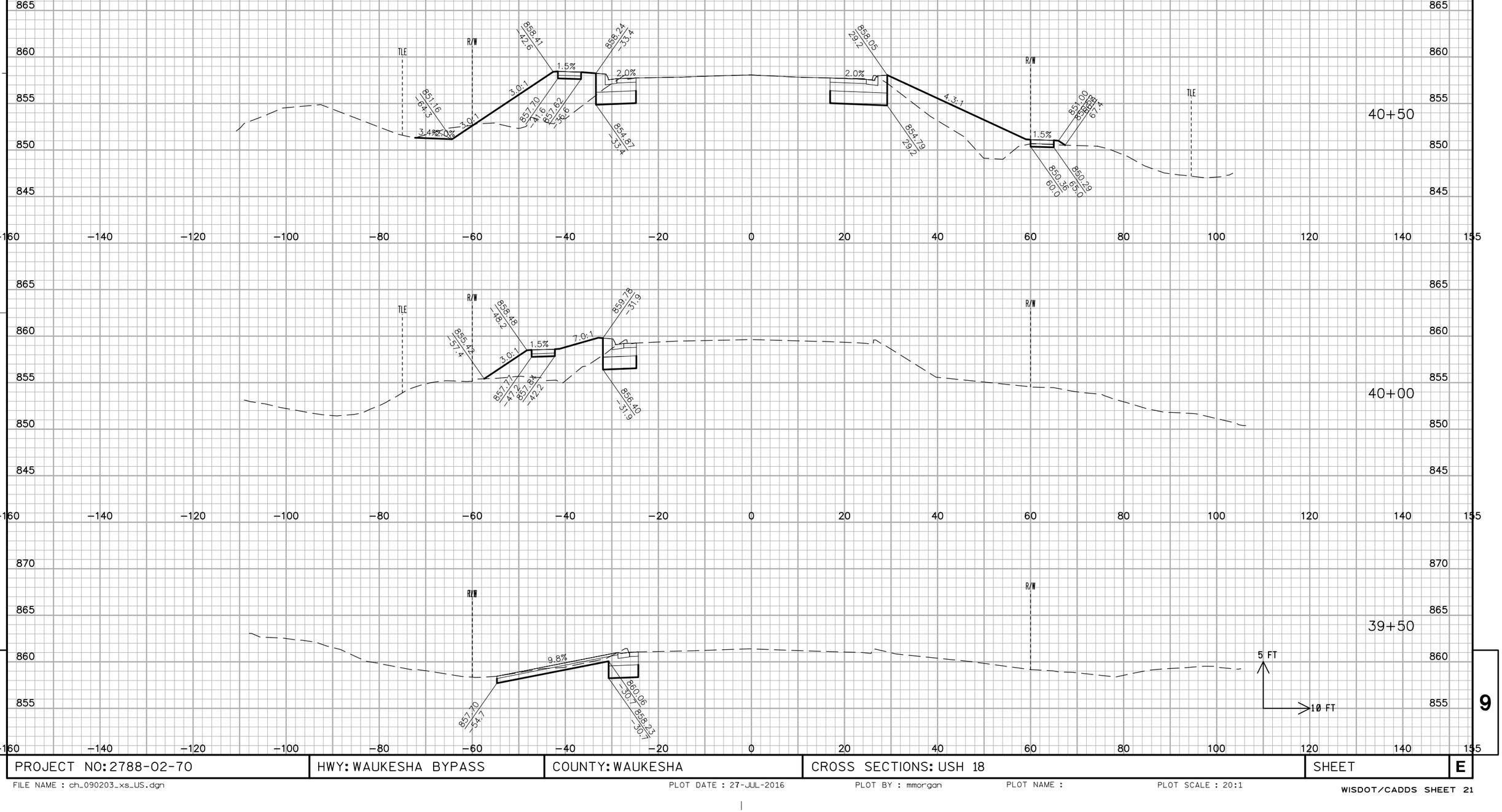
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

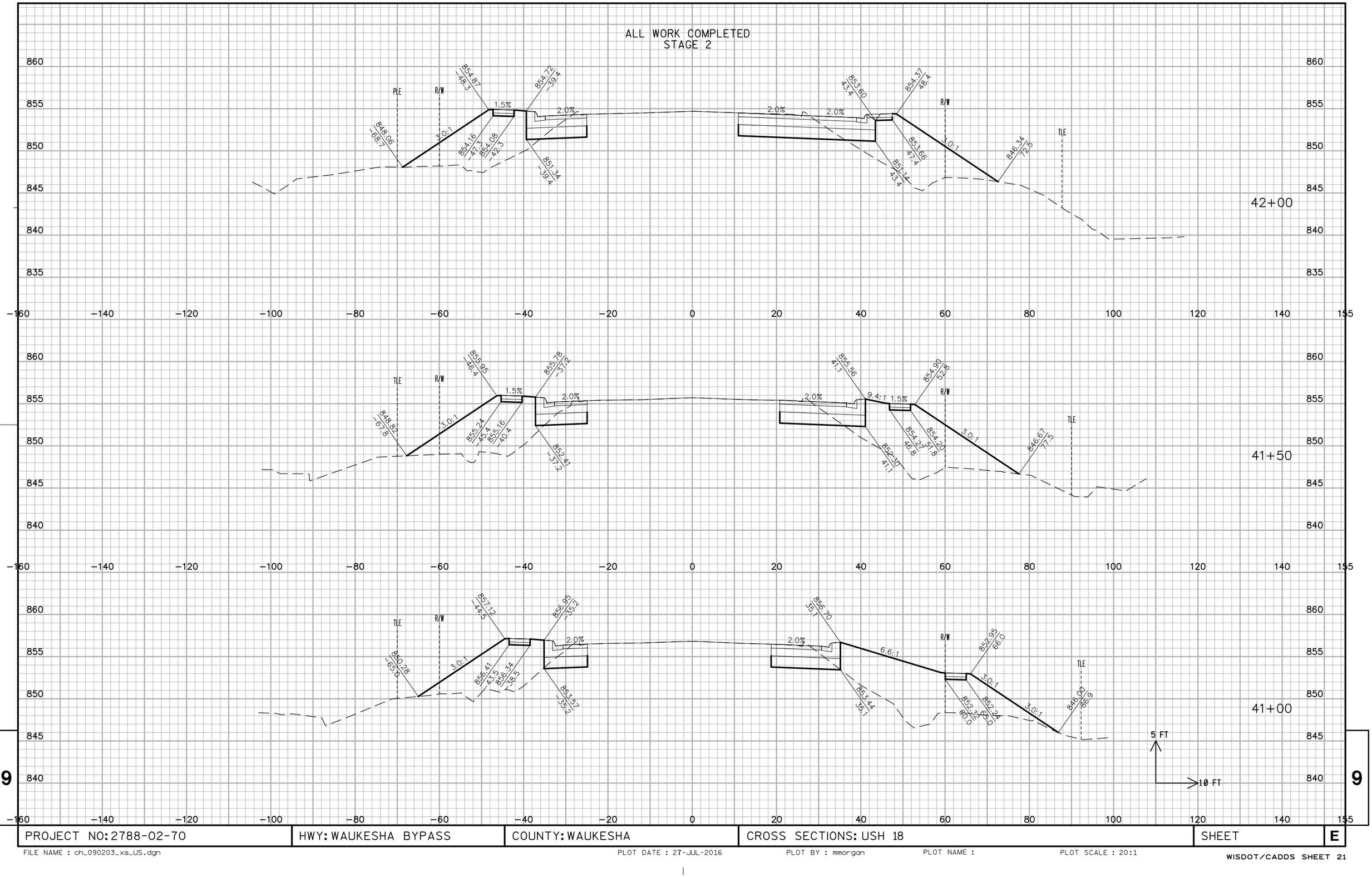
WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 2

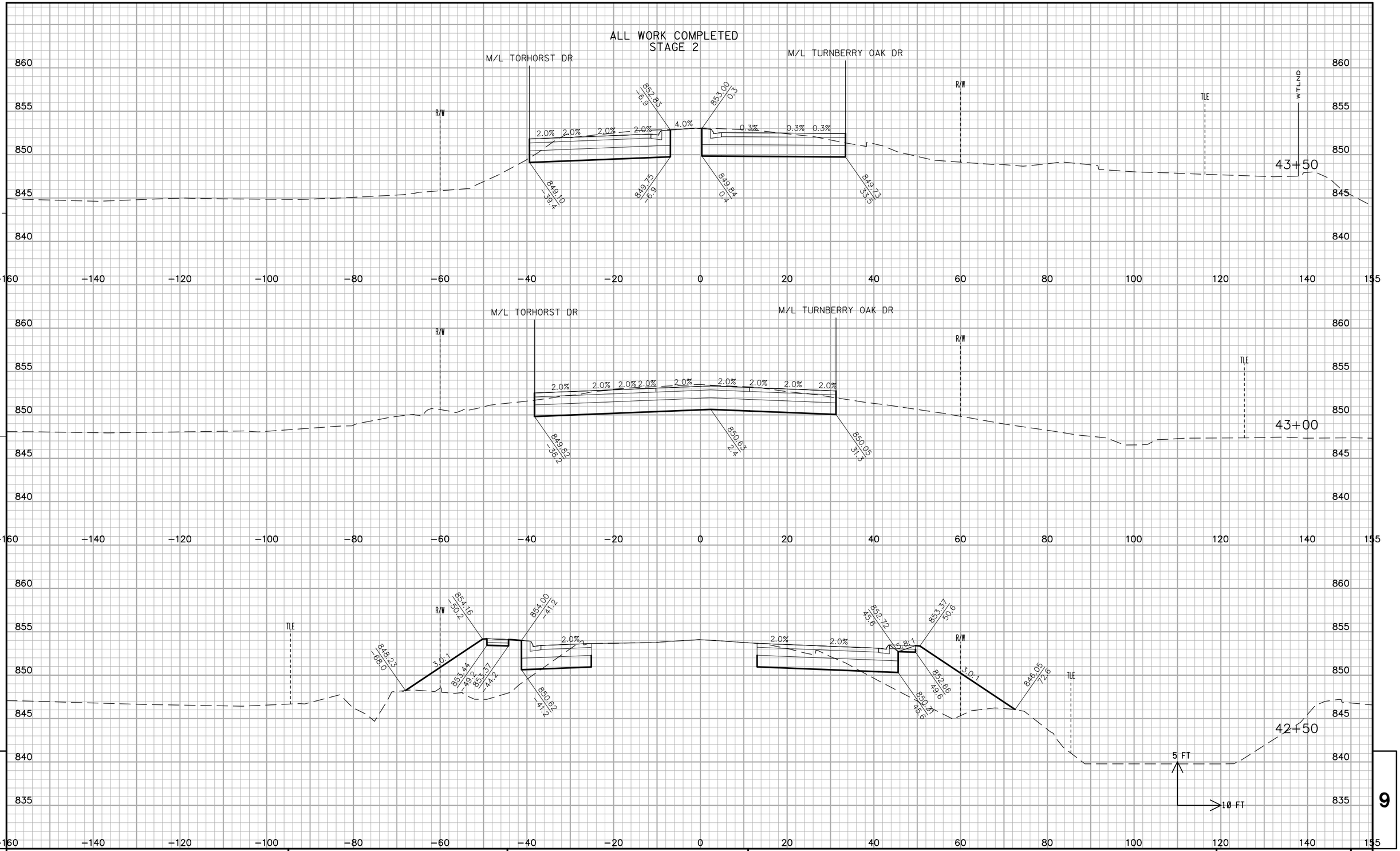


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

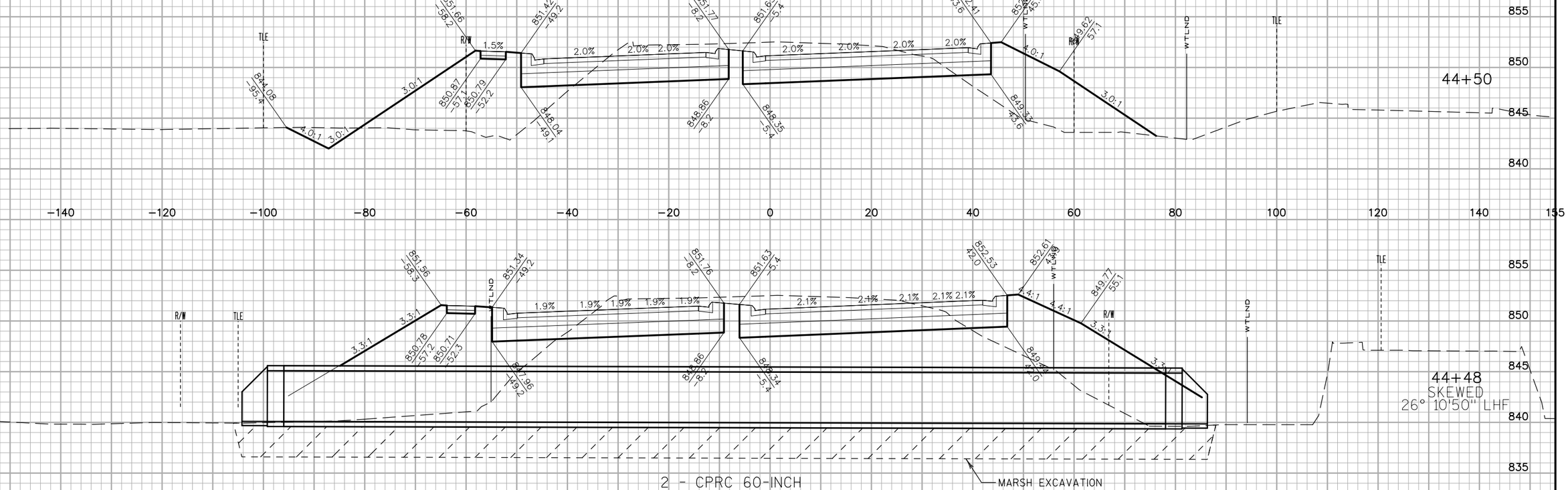
ALL WORK COMPLETED
STAGE 2



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E


ALL WORK COMPLETED
STAGE 2
M/L TORHORST DR
M/L TURNBERRY OAK DR
R/W
TLE
WTLND
852.83
-6.9
853.00
0.3
2.0%
2.0%
2.0%
2.0%
4.0%
0.3%
0.3%
0.3%
849.10
-39.4
849.75
-6.9
849.84
0.4
849.73
53.5
43+50
860
855
850
845
840
-160
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
155
M/L TORHORST DR
M/L TURNBERRY OAK DR
R/W
TLE
2.0%
2.0%
2.0%
2.0%
2.0%
2.0%
2.0%
2.0%
2.0%
849.52
-39.2
850.67
2.4
850.05
31.3
43+00
854.16
-50.2
854.00
-41.2
848.23
-68.0
3.0:1
853.44
-49.2
853.37
-44.2
850.62
-41.2
852.72
45.6
853.37
50.6
852.66
49.6
850.71
45.6
846.05
72.6
42+50
5 FT
10 FT
9
PROJECT NO: 2788-02-70
HWY: WAUKESHA BYPASS
COUNTY: WAUKESHA
CROSS SECTIONS: USH 18
SHEET
E
FILE NAME : ch_090203_xs_US.dgn
PLOT DATE : 27-JUL-2016
PLOT BY : mmorgan
PLOT NAME :
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

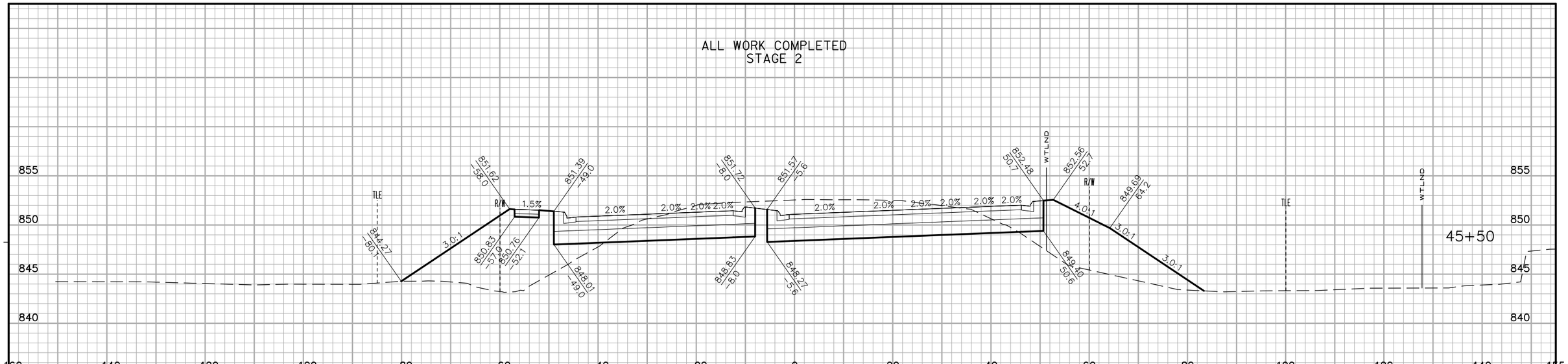
ALL WORK COMPLETED
STAGE 2

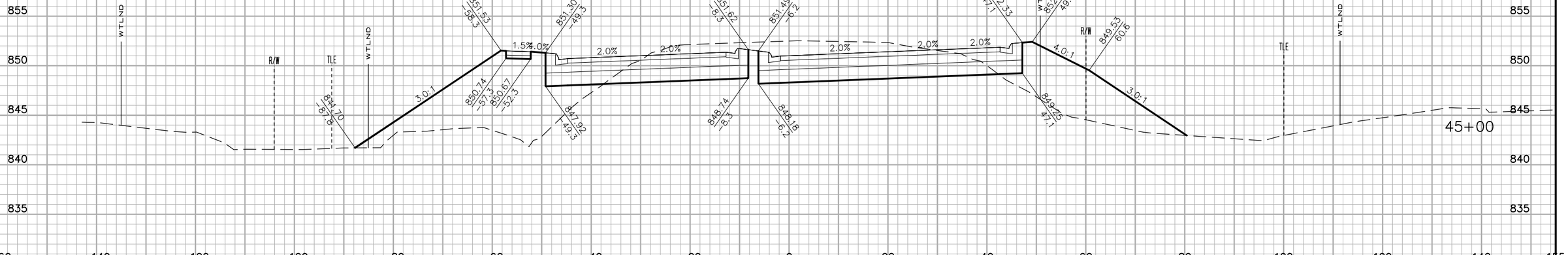


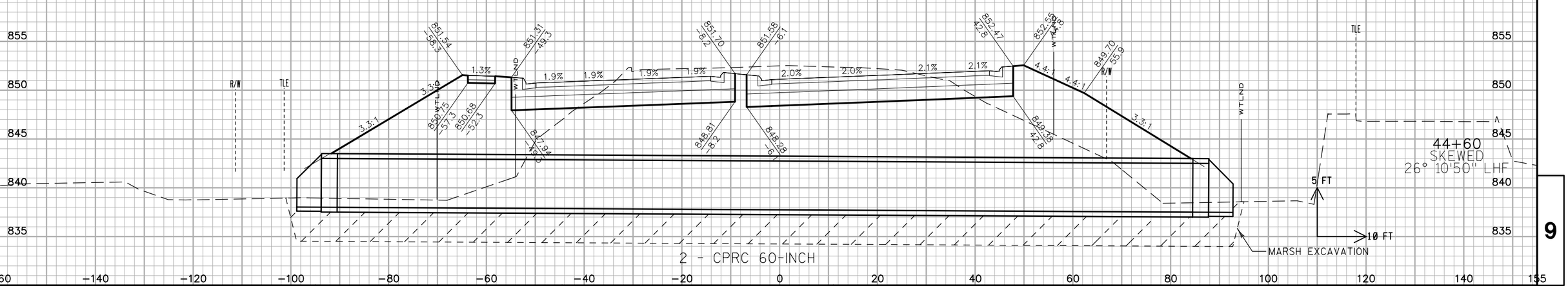
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2







9

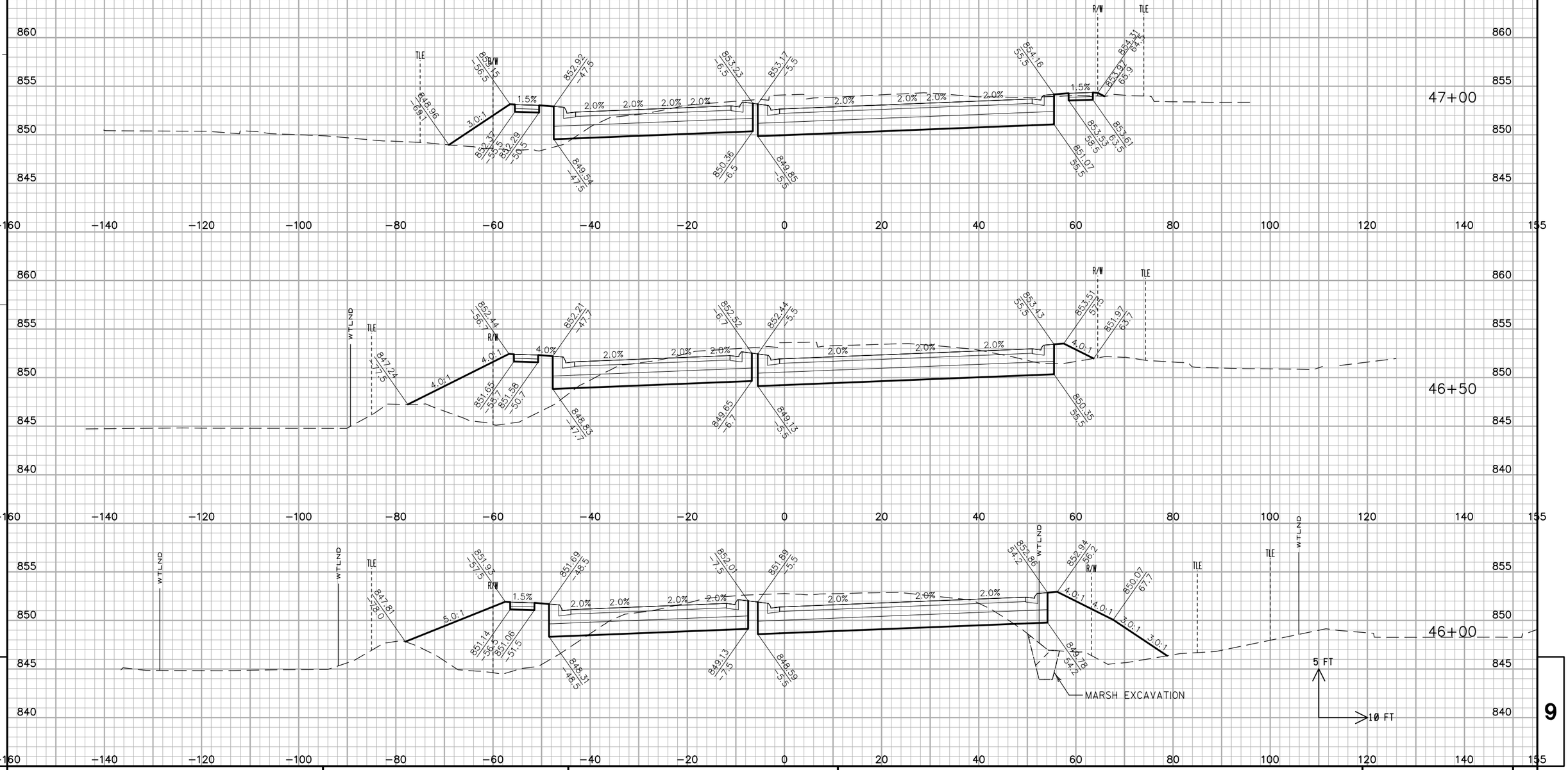
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

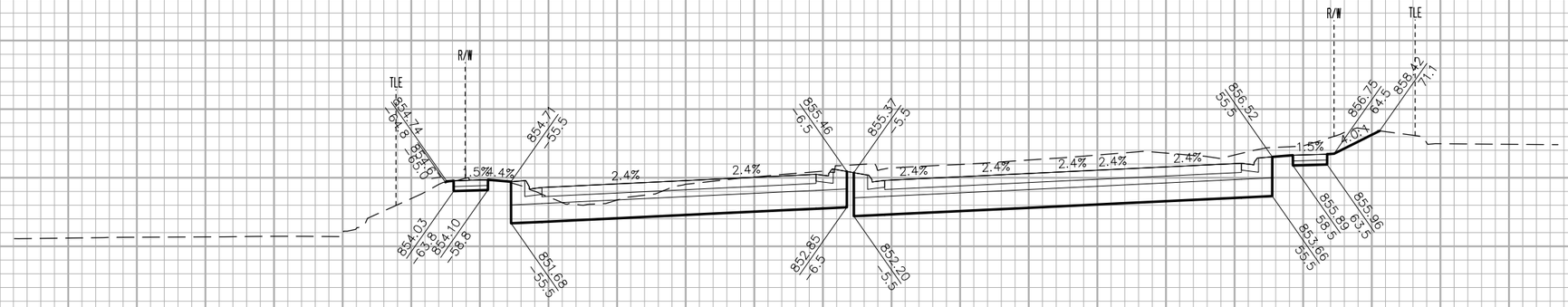
ALL WORK COMPLETED
STAGE 2

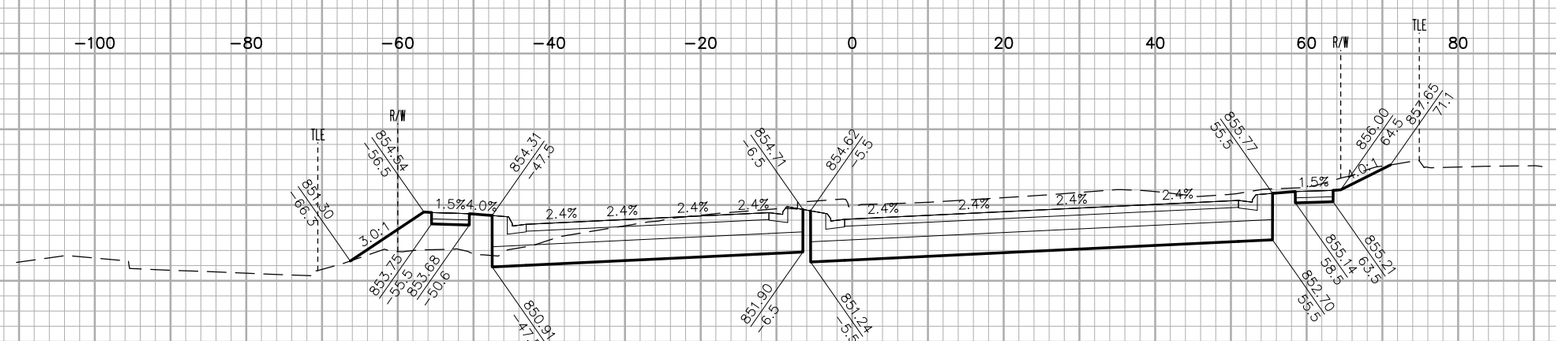


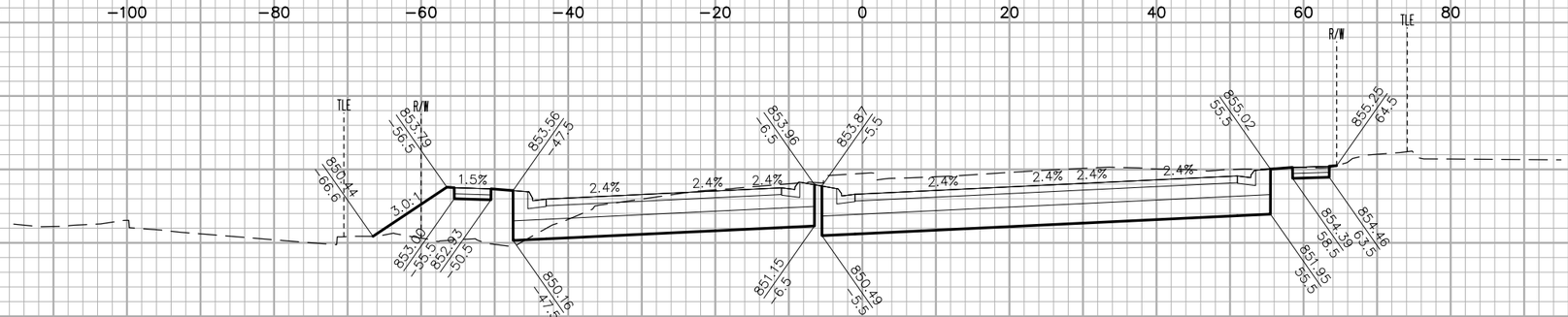
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2







PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 2

865
860
855
850

50+00

−160 −140 −120 −100 −80 −60 −40 −20 0 20 40 60 80 100 120 140 155

M/L WAUKESHA BYPASS

END ABRUPTLY

M/L WAUKESHA BYPASS

49+50

0.8% 0.8% 0.8% 0.2% 0.8% 0.8% 0.8% 0.8%

853.96
−39.0

854.76
69.8

M/L WAUKESHA BYPASS

R/W

TLE

856.25
−6.5

856.19
−5.5

857.10
55.5

857.36
65.2

859.00
74.7

1.8% 1.8% 1.8% 1.8% 1.8% 1.8% 4.0% 1.5% 4.0%

49+00

852.61
−58.7

853.55
−6.5

855.12
−5.5

856.50
59.2

856.57
64.1

854.22
55.5

5 FT

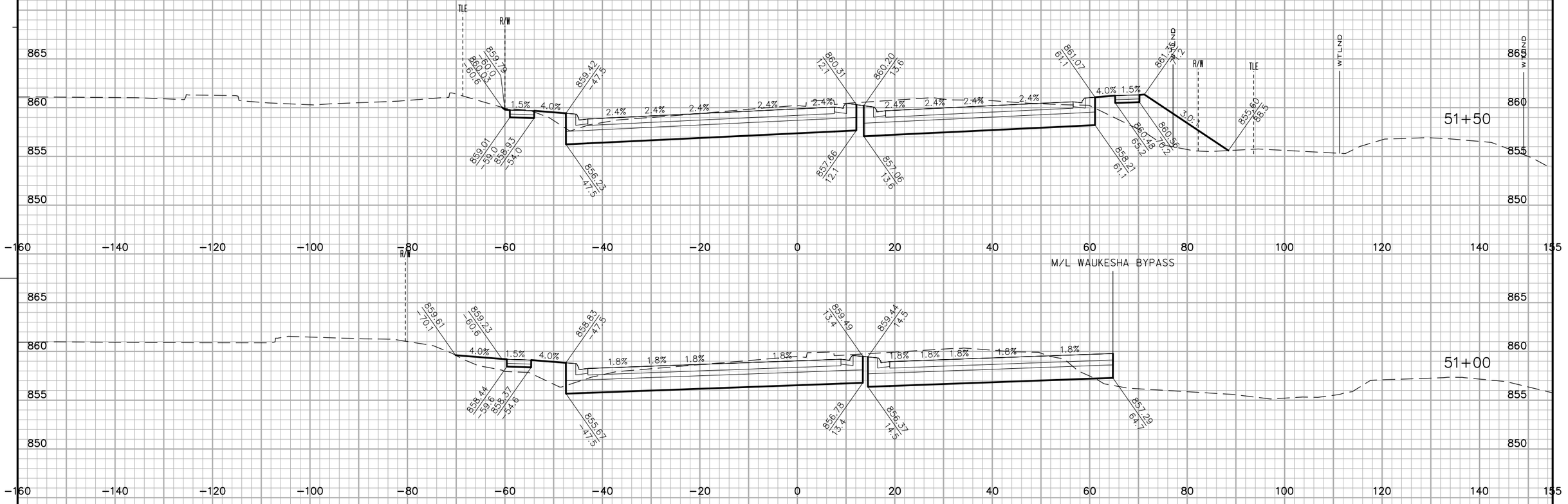
10 FT

9

9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18	SHEET	E

ALL WORK COMPLETED
STAGE 3



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

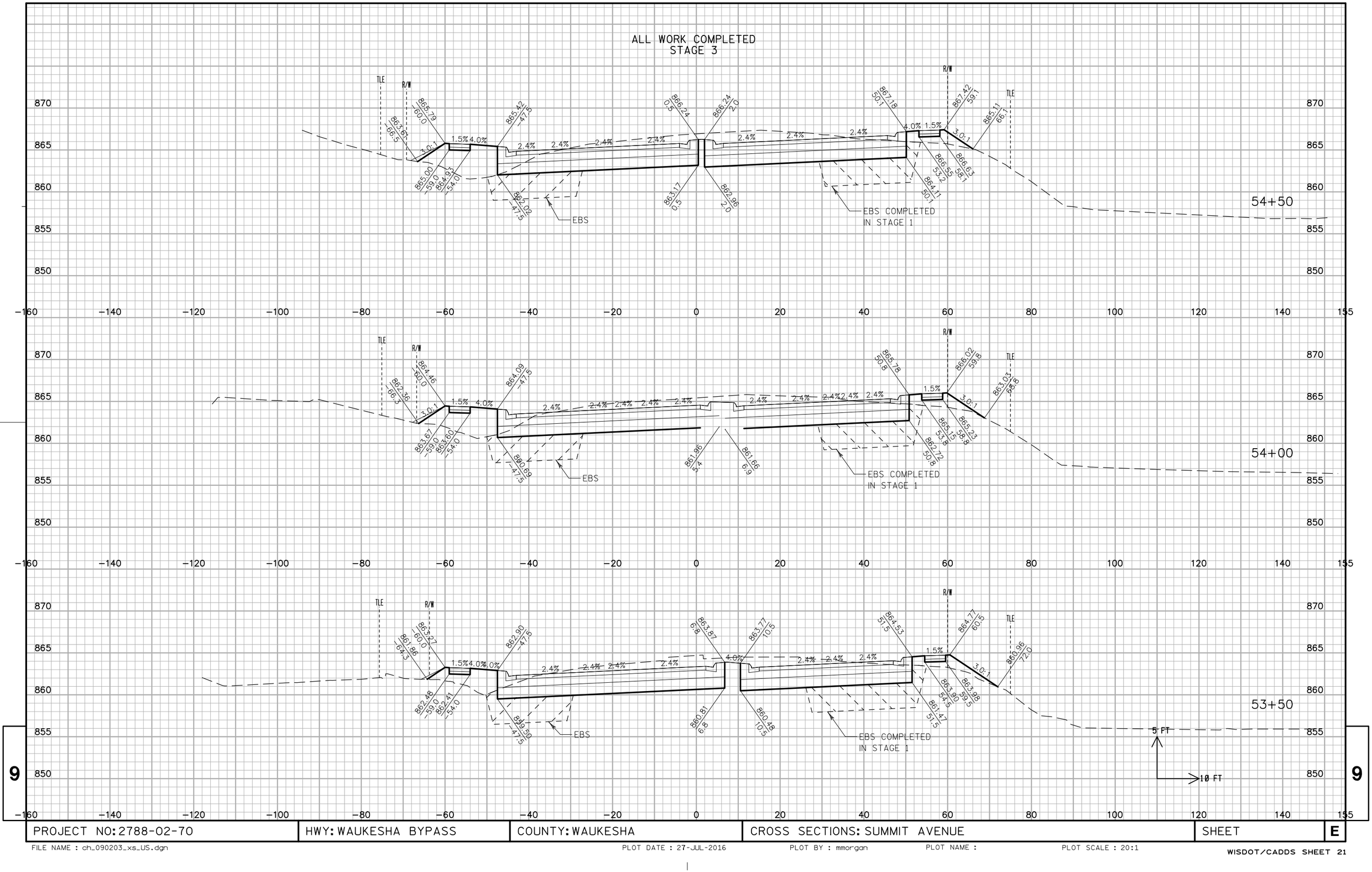
FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

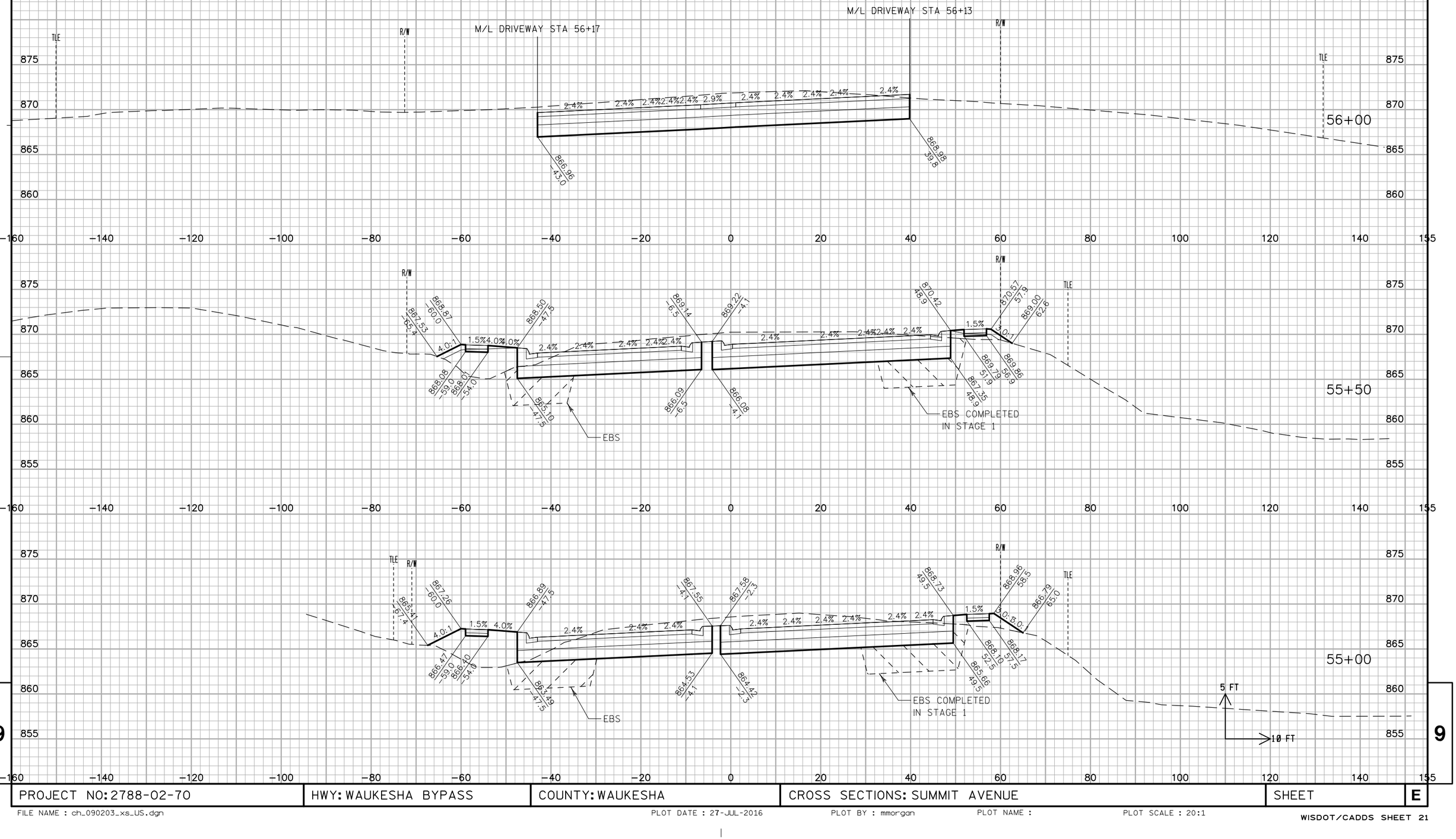


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

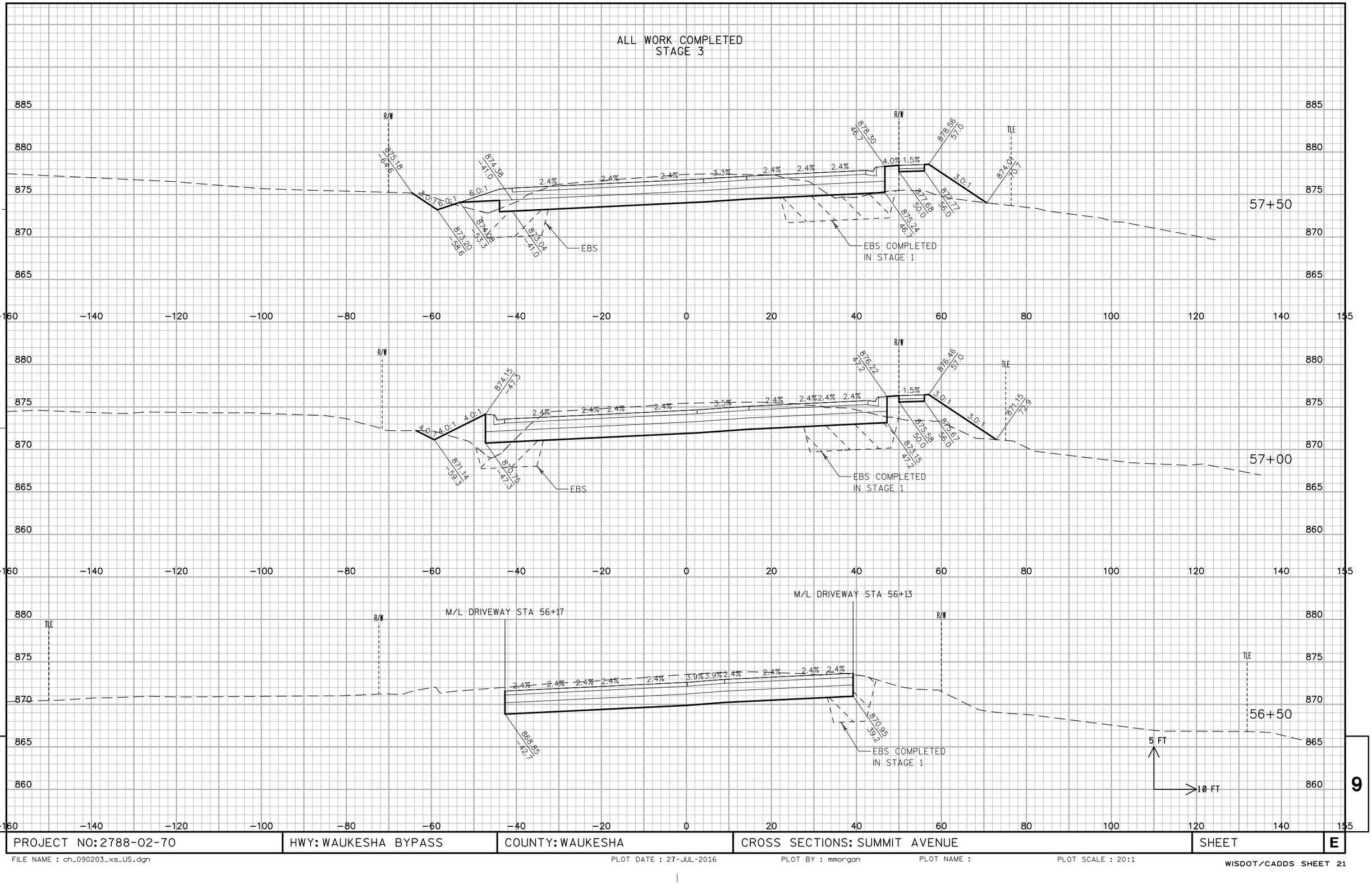
FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 3



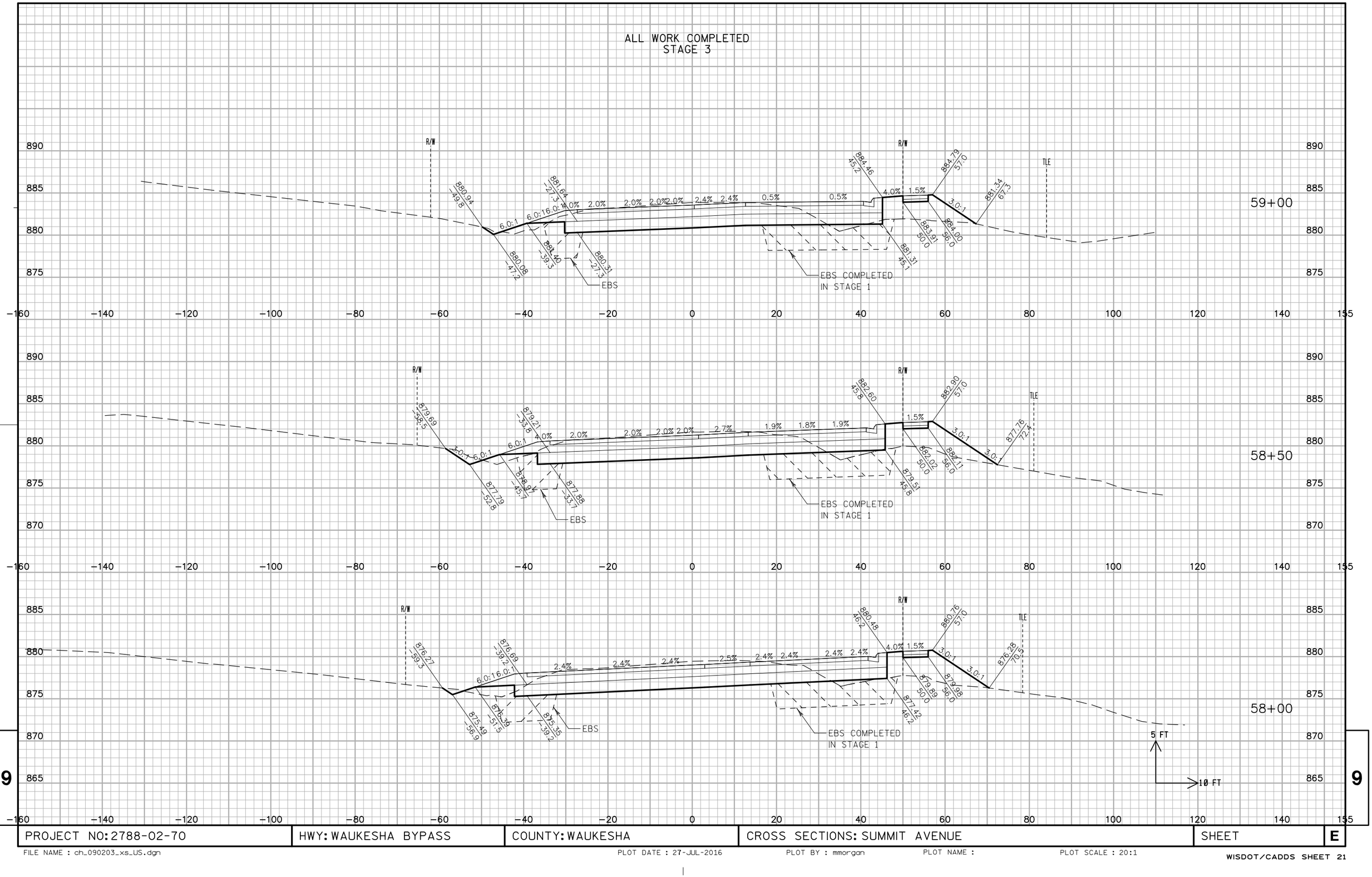
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E



9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

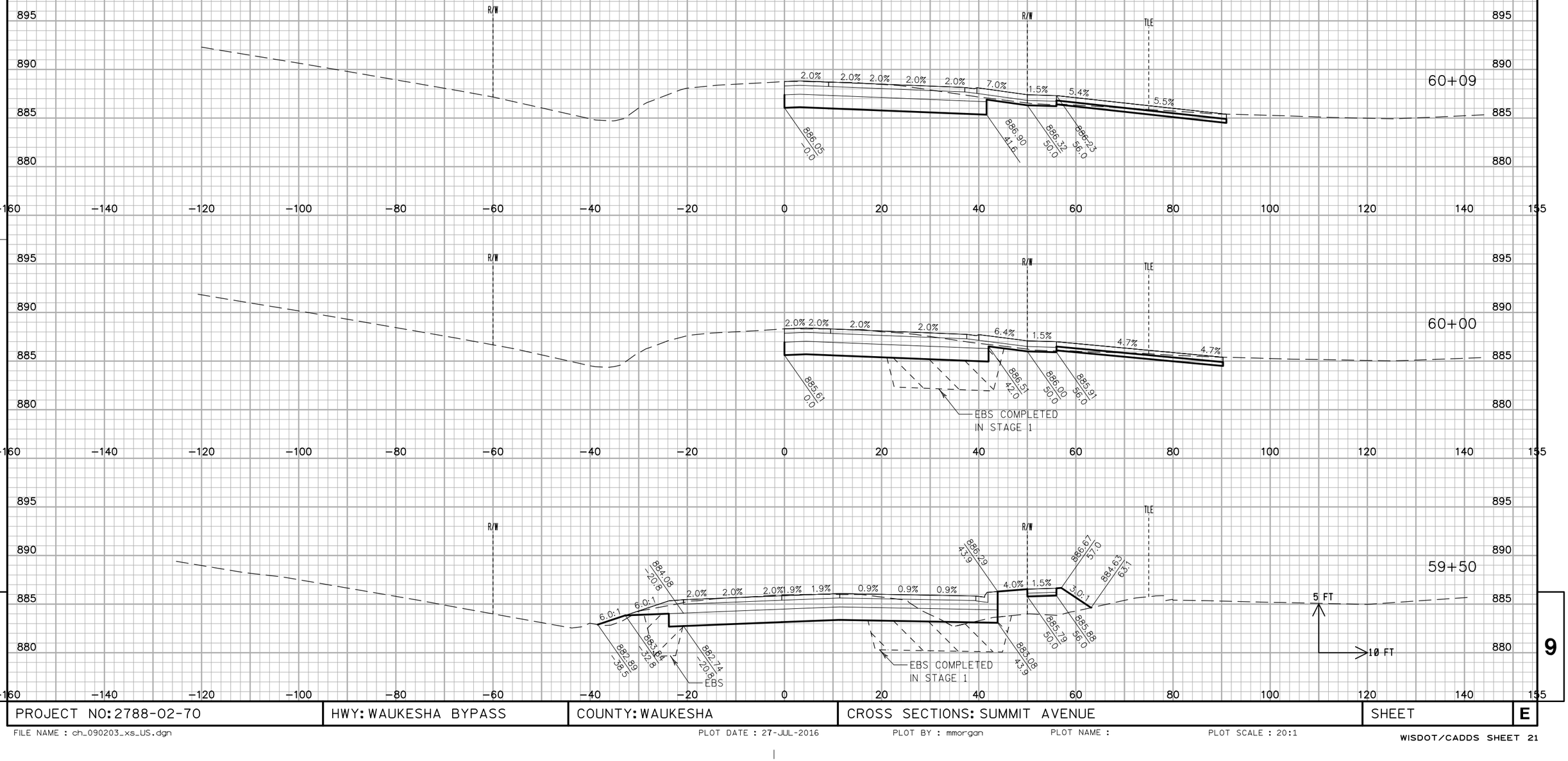


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 3



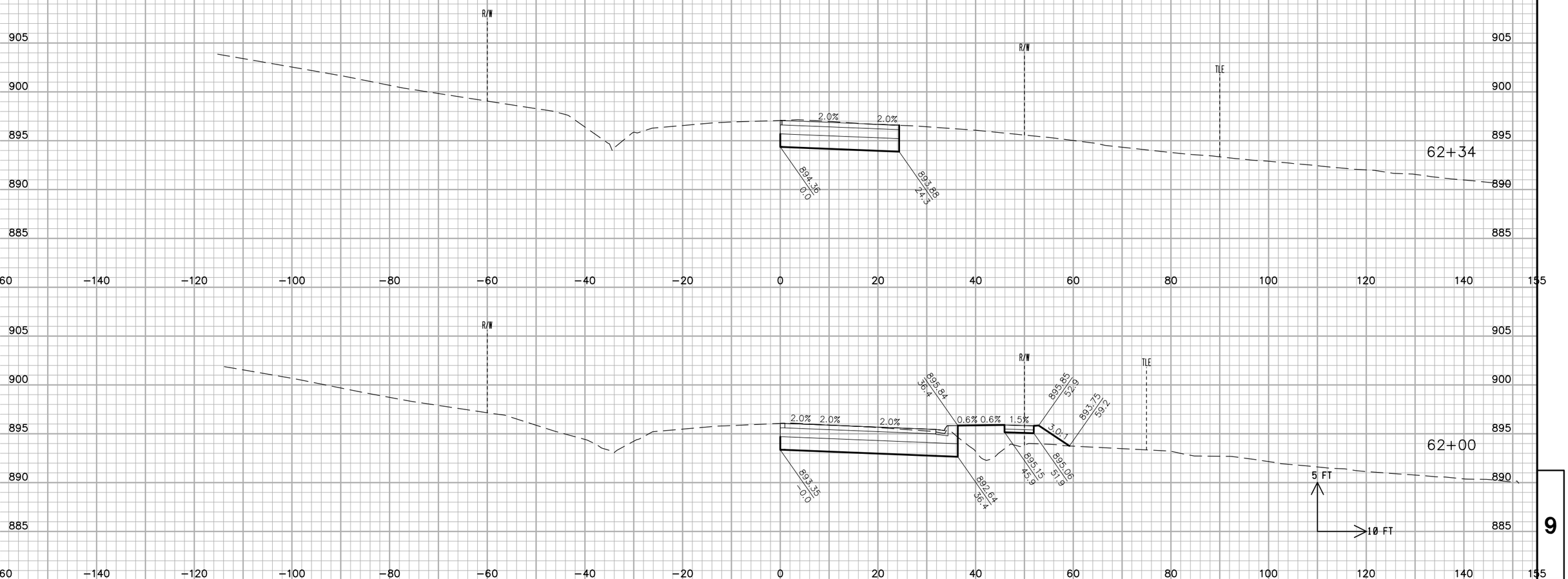
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

ALL WORK COMPLETED
STAGE 3

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

ALL WORK COMPLETED
STAGE 3

END ABRUPTLY

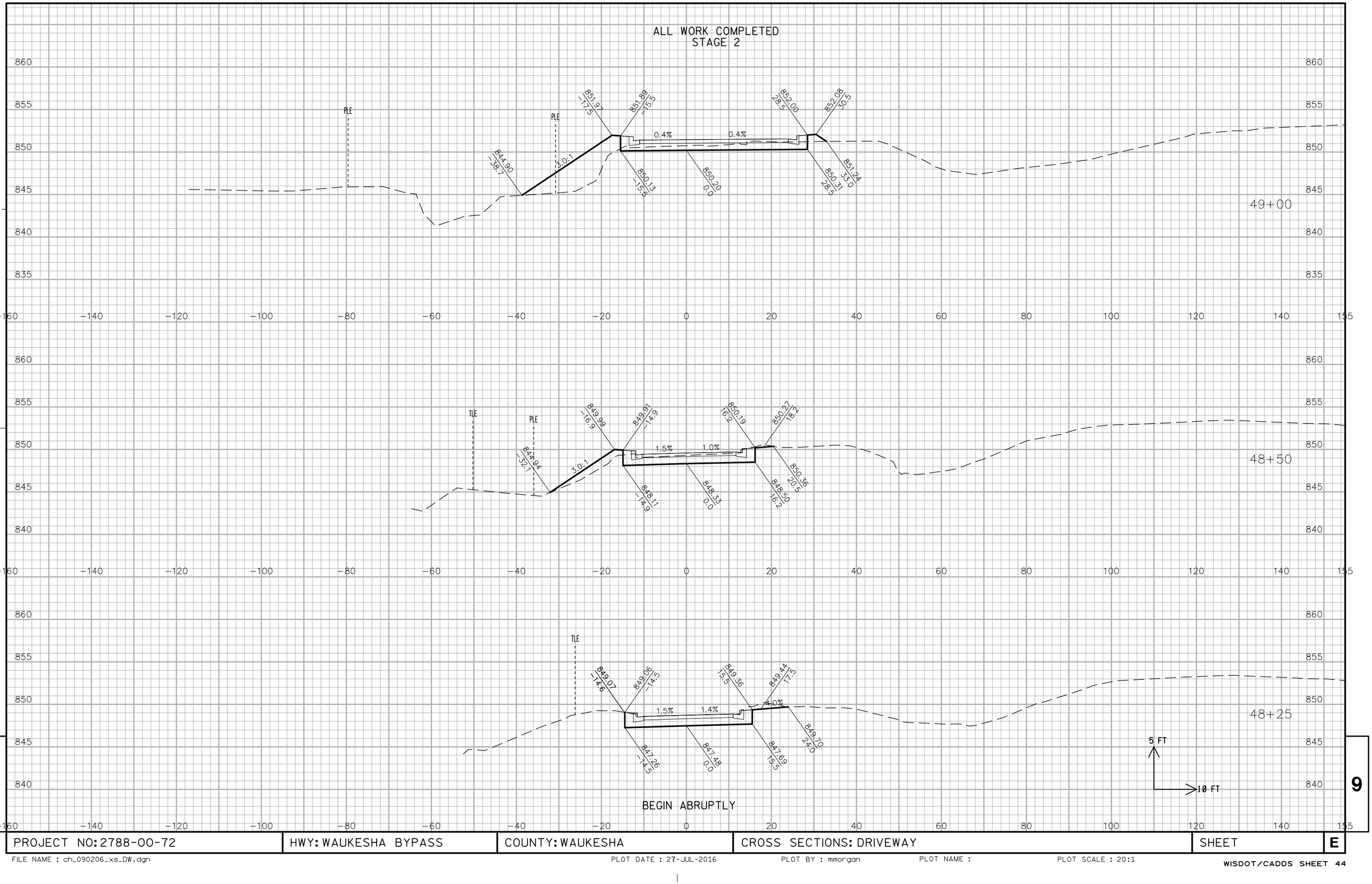


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVENUE	SHEET	E

FILE NAME : ch_090203_xs_US.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 2



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET	E

FILE NAME : ch_090206_xs_DW.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3

M/L WAUKESHA BYPASS

50+50

854.74
-75.4

854.74
-75.3

852.75
-81.3

3.0:1

0.6%

0.0%

0.4%

BEGIN ABRUPTLY

50+00

END ABRUPTLY

M/L WAUKESHA BYPASS

ALL WORK COMPLETED
STAGE 2

853.20
47.1

853.28
49.1

0.6%

0.3%

3.0:1

49+50

850.37
0.0

850.23
47.1

848.23
64.3

5 FT

10 FT

860
855
850
845
840

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET	E

ALL WORK COMPLETED
STAGE 3

END ABRUPTLY

52+00

51+50

51+00

TLE

TLE

856.56
21.0

857.05
28.5

1.3%

1.5%

856.18
22.5

856.26
27.5

857.42
29.4

855.21
-37.5

855.21
-40.2

854.30
-34.2

0.8%

0.8%

855.26
29.1

4.0%

1.5%

2.0%

855.74
44.3

857.28
48.1

855.58
-30

854.88
38.3

854.95
43.5

5 FT

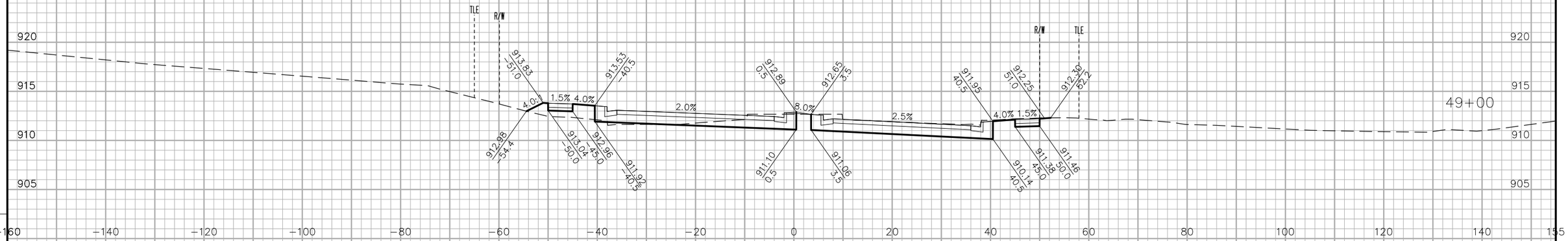
10 FT

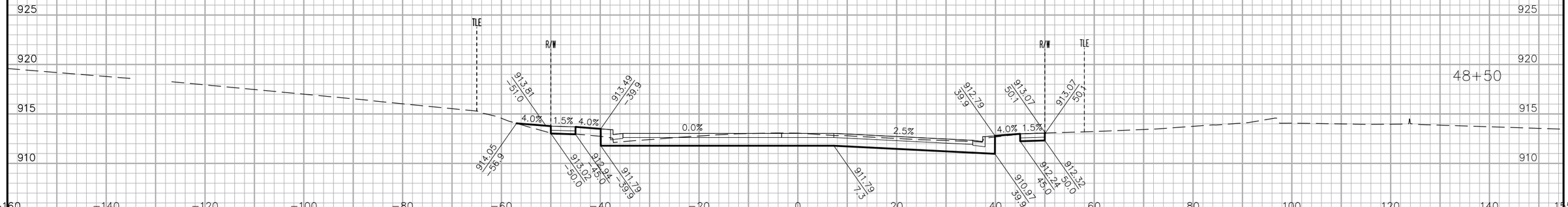
9

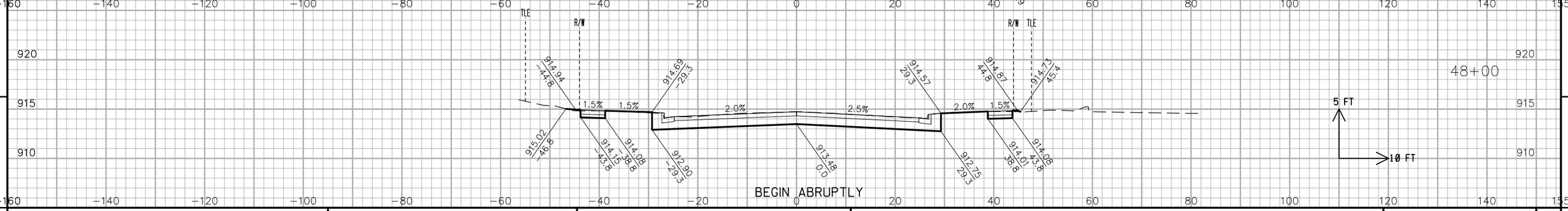
9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET	E

ALL WORK COMPLETED
STAGE 2







9

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	COLDWATER CREEK DRIVE	SHEET	E

FILE NAME : ch_090207_xs_CC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2

925
920
915
910
905
900

50+00

END ABRUPTLY

−160 −140 −120 −100 −80 −60 −40 −20 0 20 40 60 80 100 120 140 155

M/L WAUKESHA BYPASS

4.0%

4.0%

4.1%

M/L WAUKESHA BYPASS

49+50

5 FT

10 FT

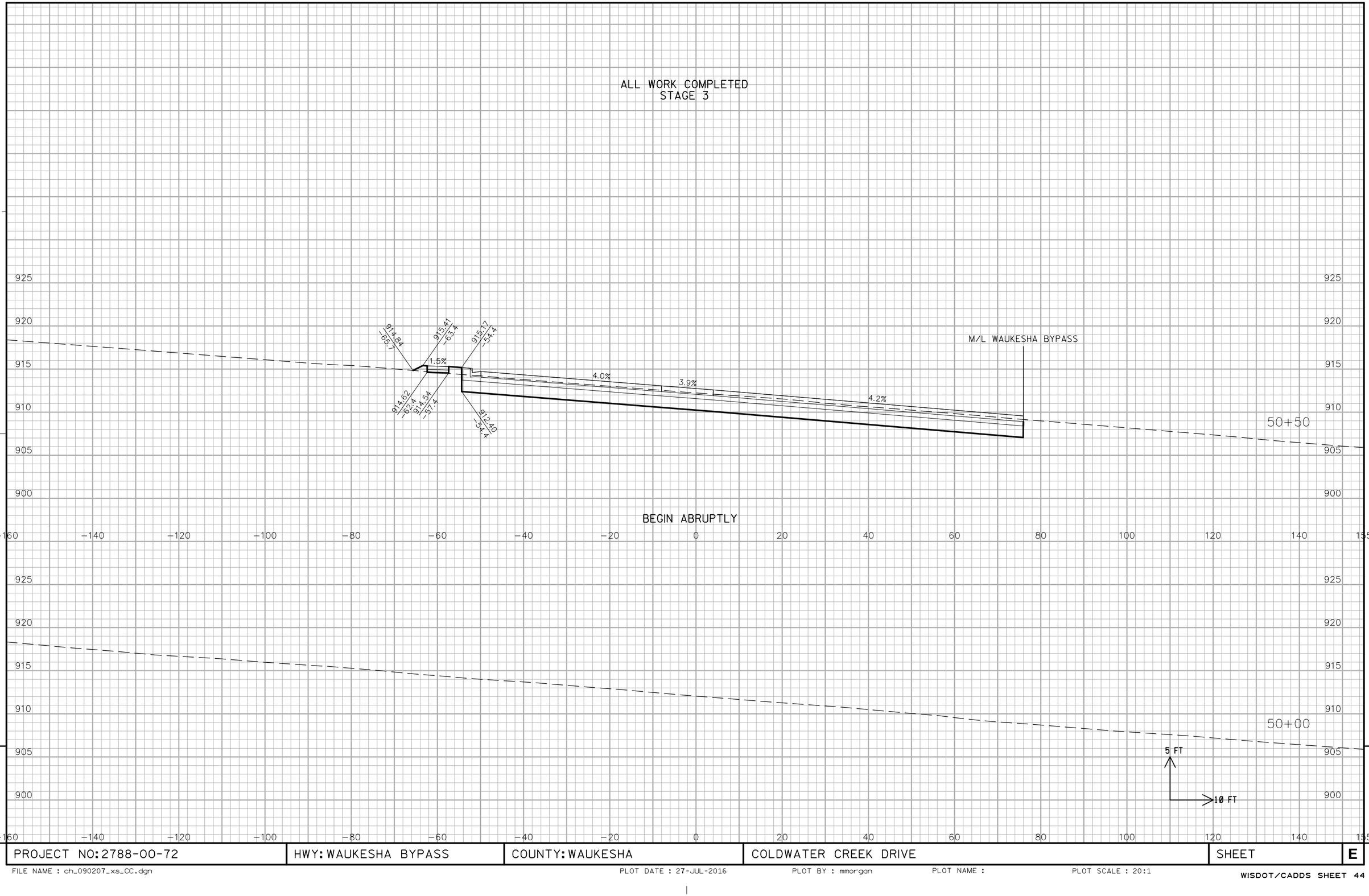
9

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	COLDWATER CREEK DRIVE	SHEET	E

FILE NAME : ch_090207_xs_CC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3



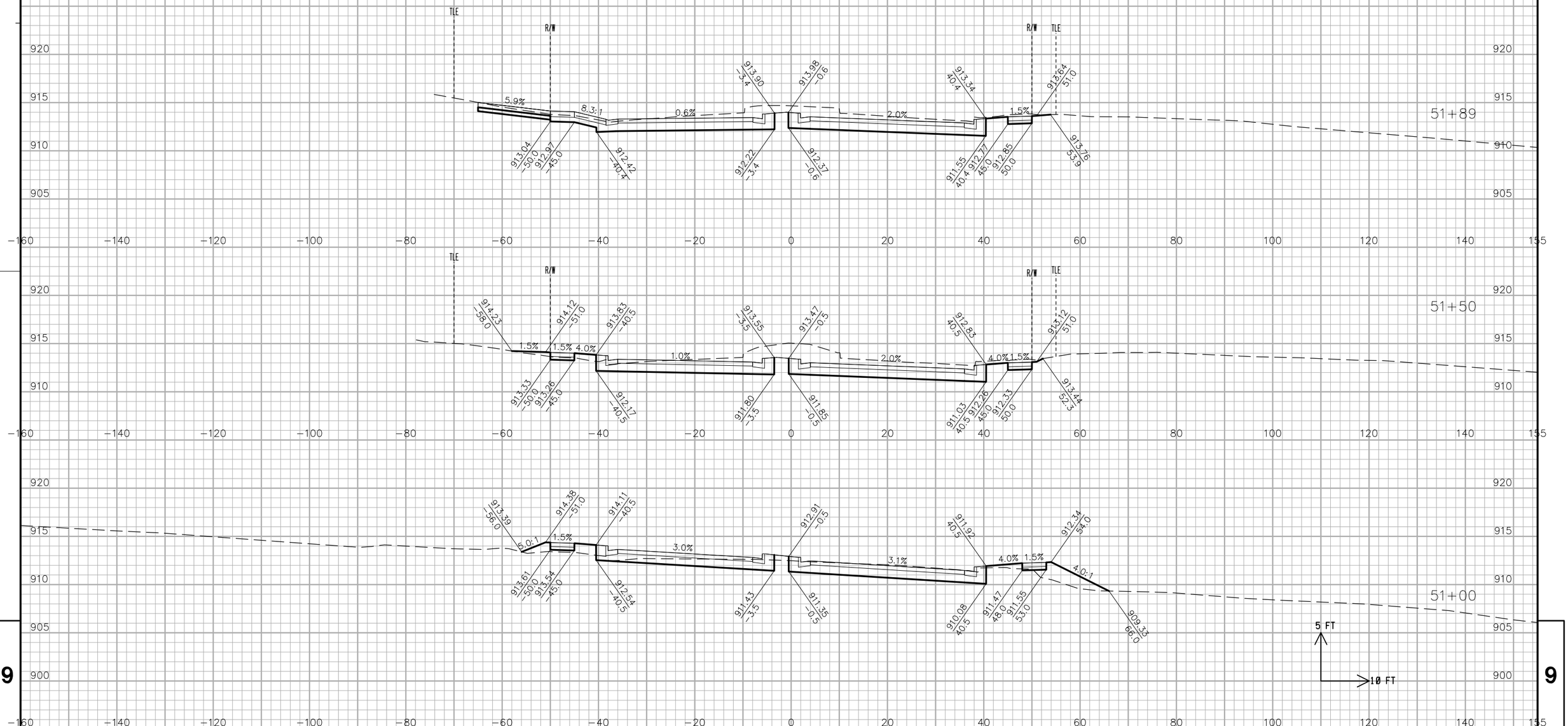
BEGIN ABRUPTLY

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	COLDWATER CREEK DRIVE	SHEET	E

FILE NAME : ch_090207_xs_CC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3



9

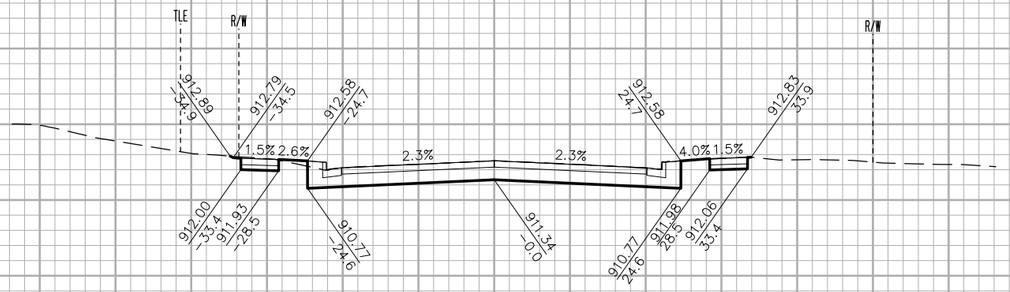
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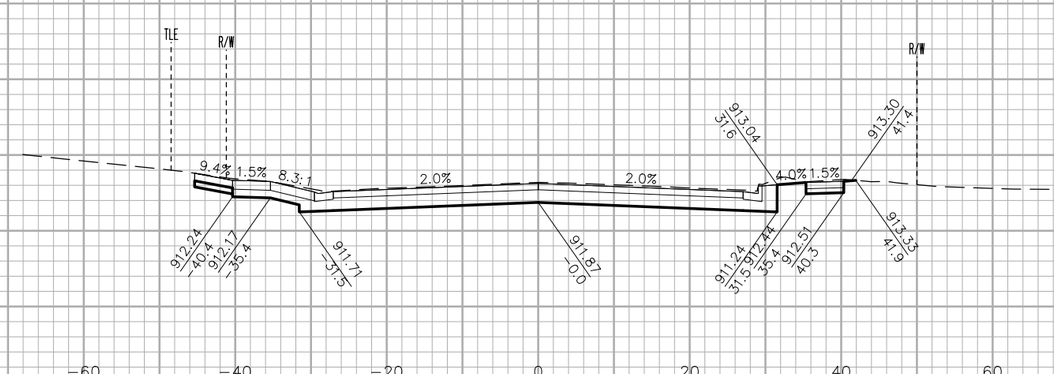
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	COLDWATER CREEK DRIVE	SHEET	E

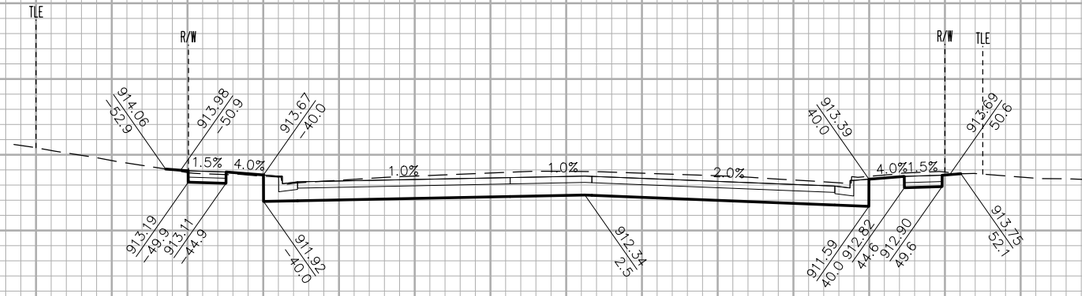
FILE NAME : ch_090207_xs_CC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3

END ABRUPTLY





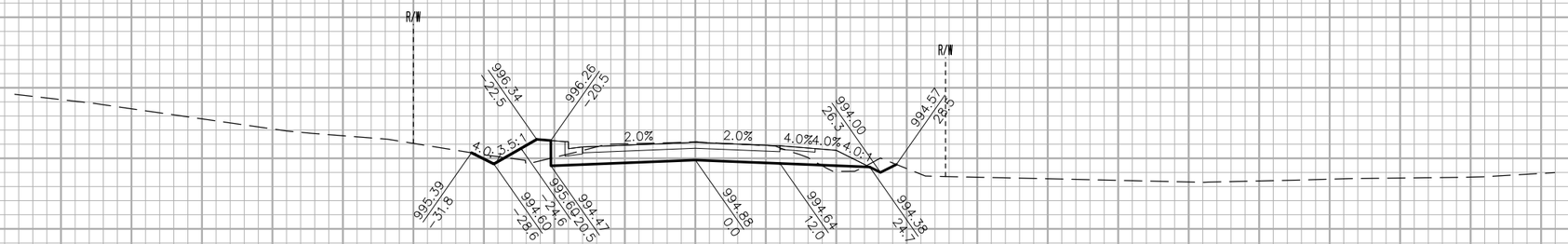


PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	COLDWATER CREEK DRIVE	SHEET	E

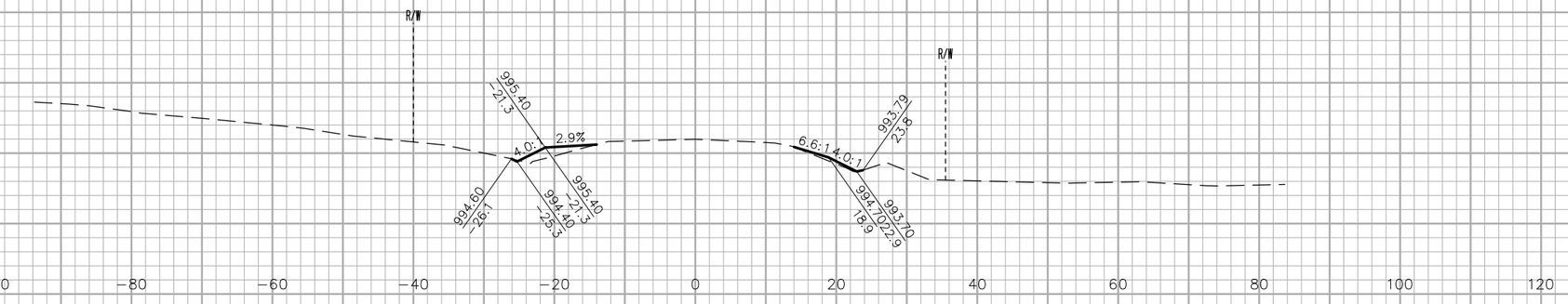
FILE NAME : ch_090207_xs_CC.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44

ALL WORK COMPLETED
STAGE 2



44+50



44+25



44+00

5 FT
10 FT

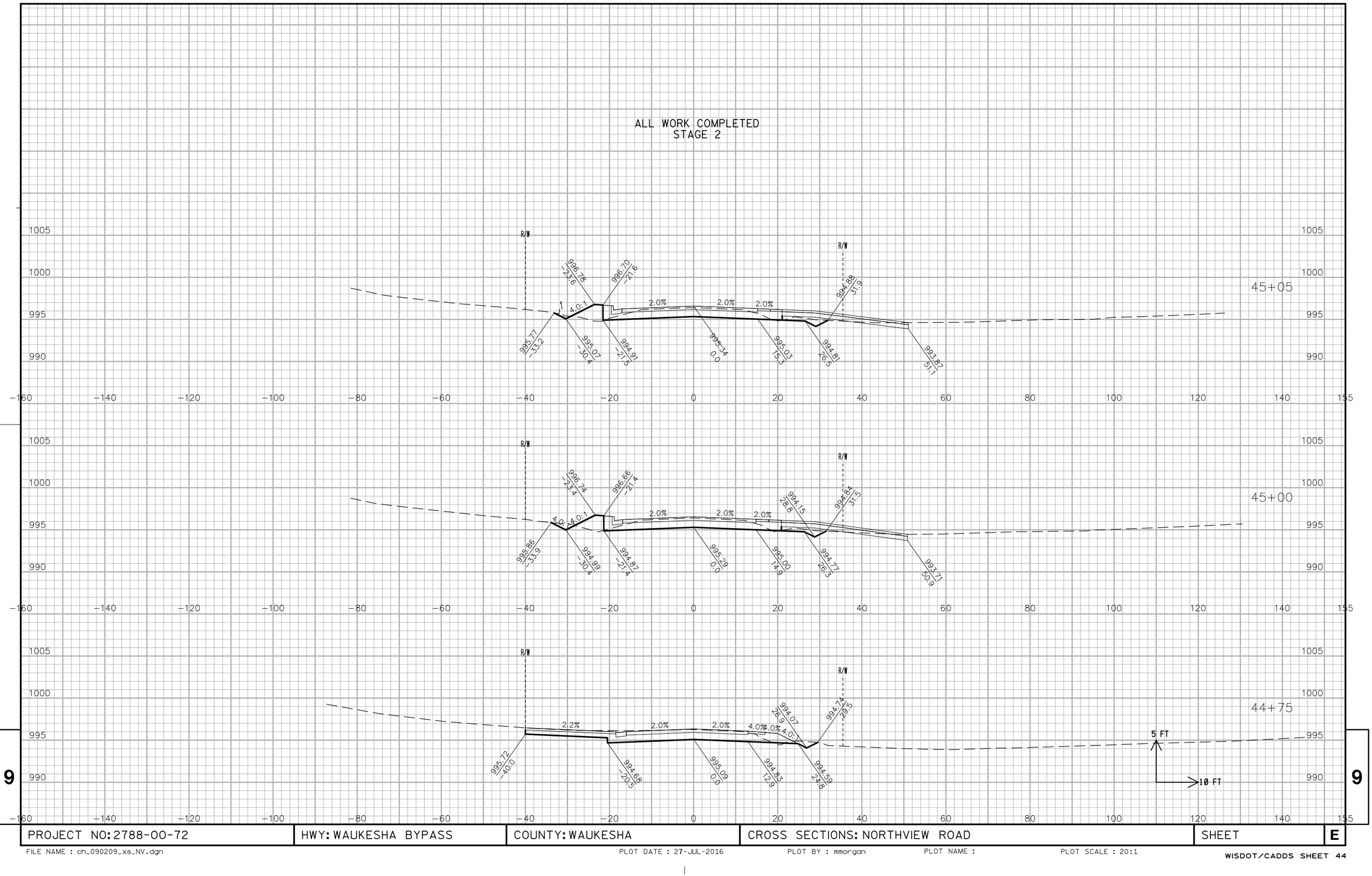
BEGIN ABRUPTLY

9

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

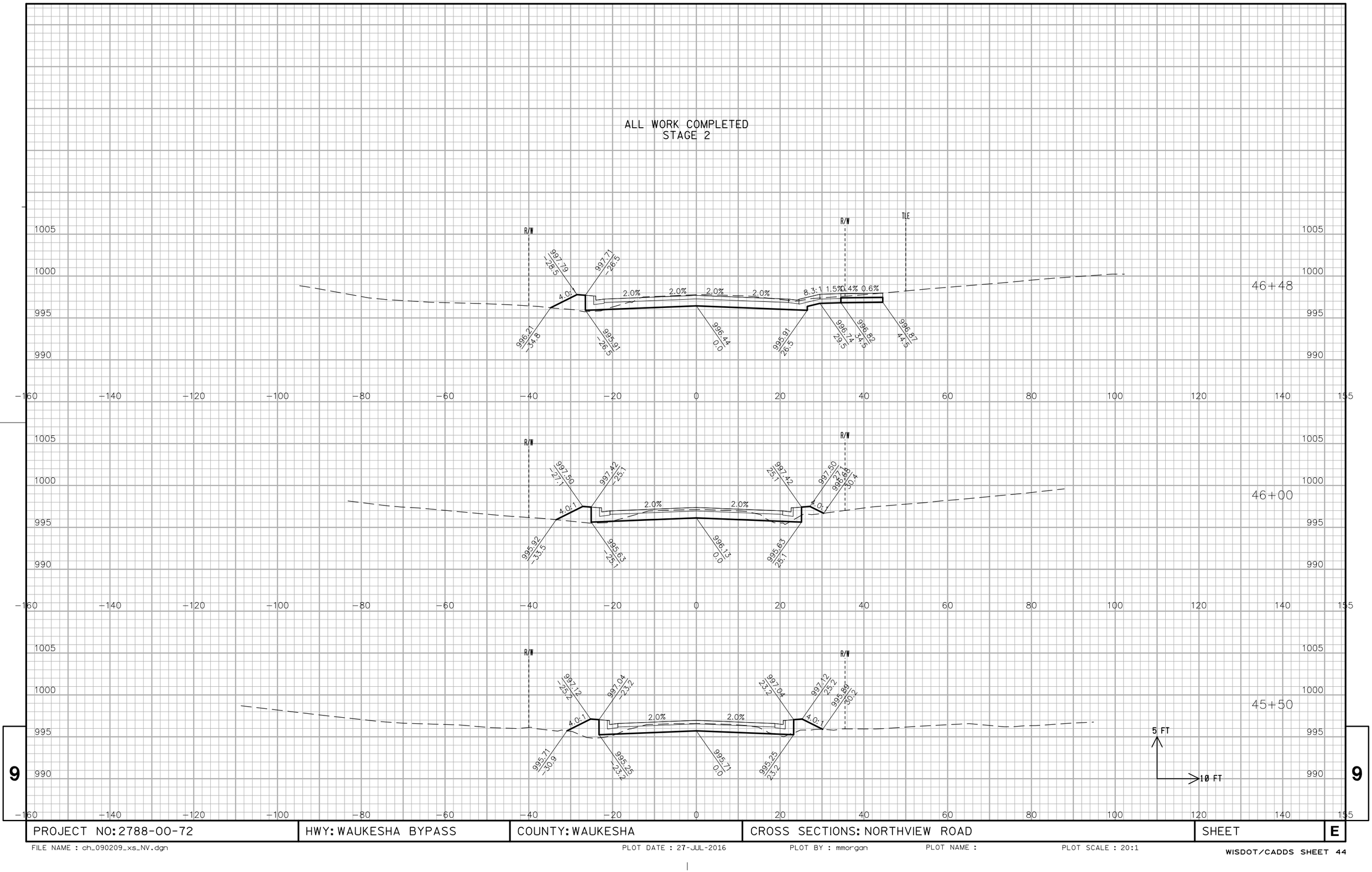
ALL WORK COMPLETED
STAGE 2



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2



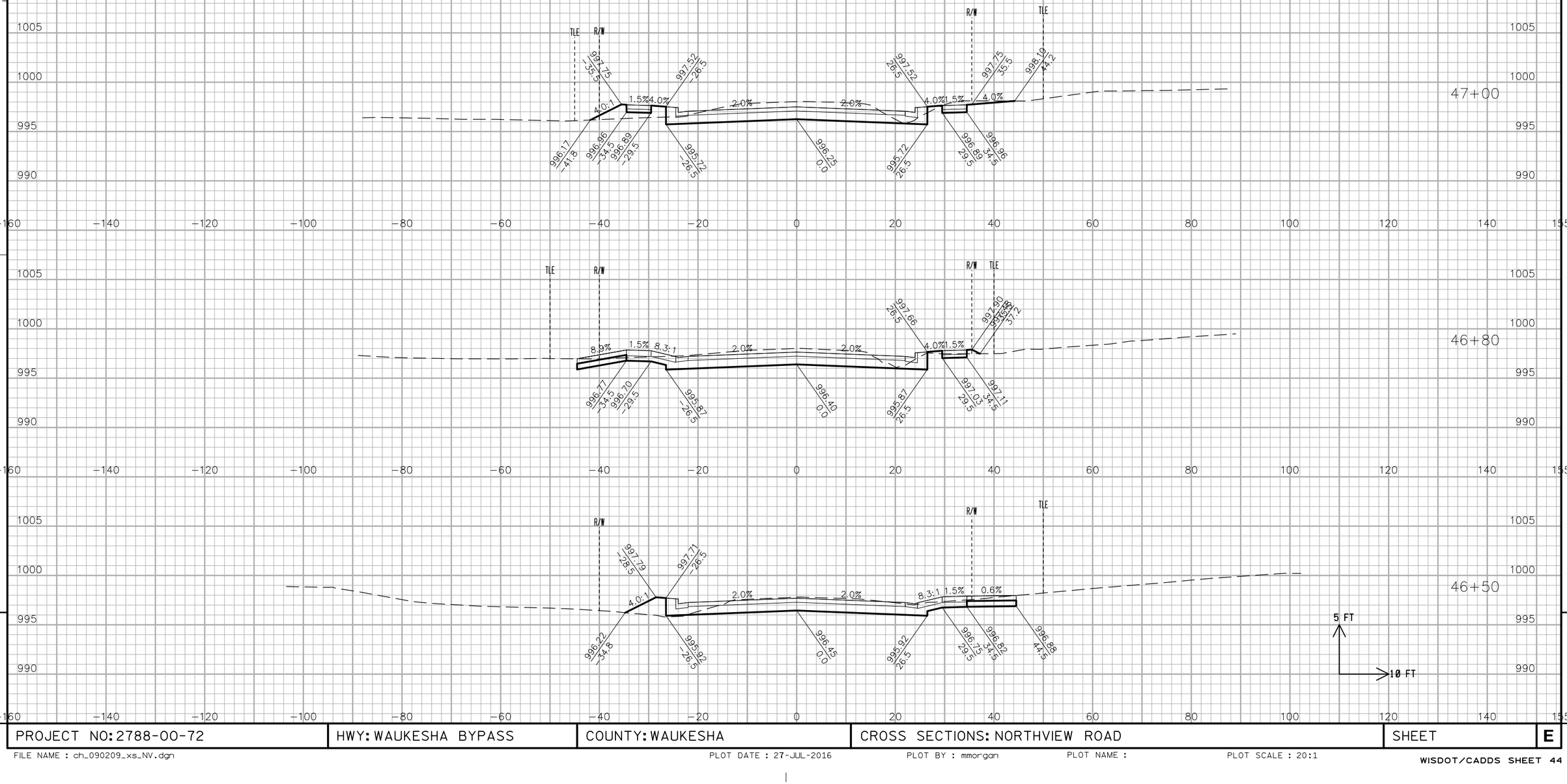
9

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

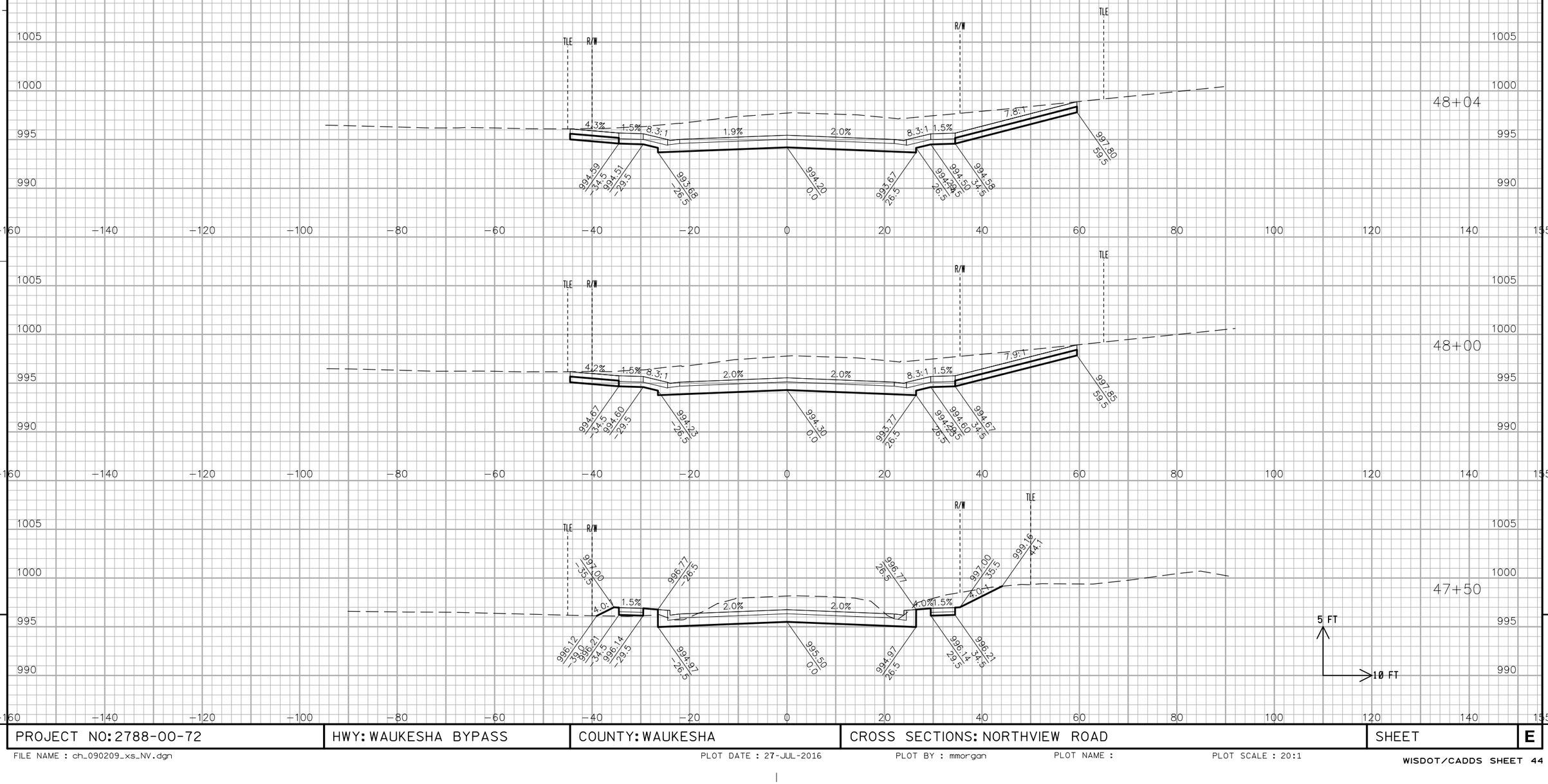
ALL WORK COMPLETED
STAGE 2



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 2



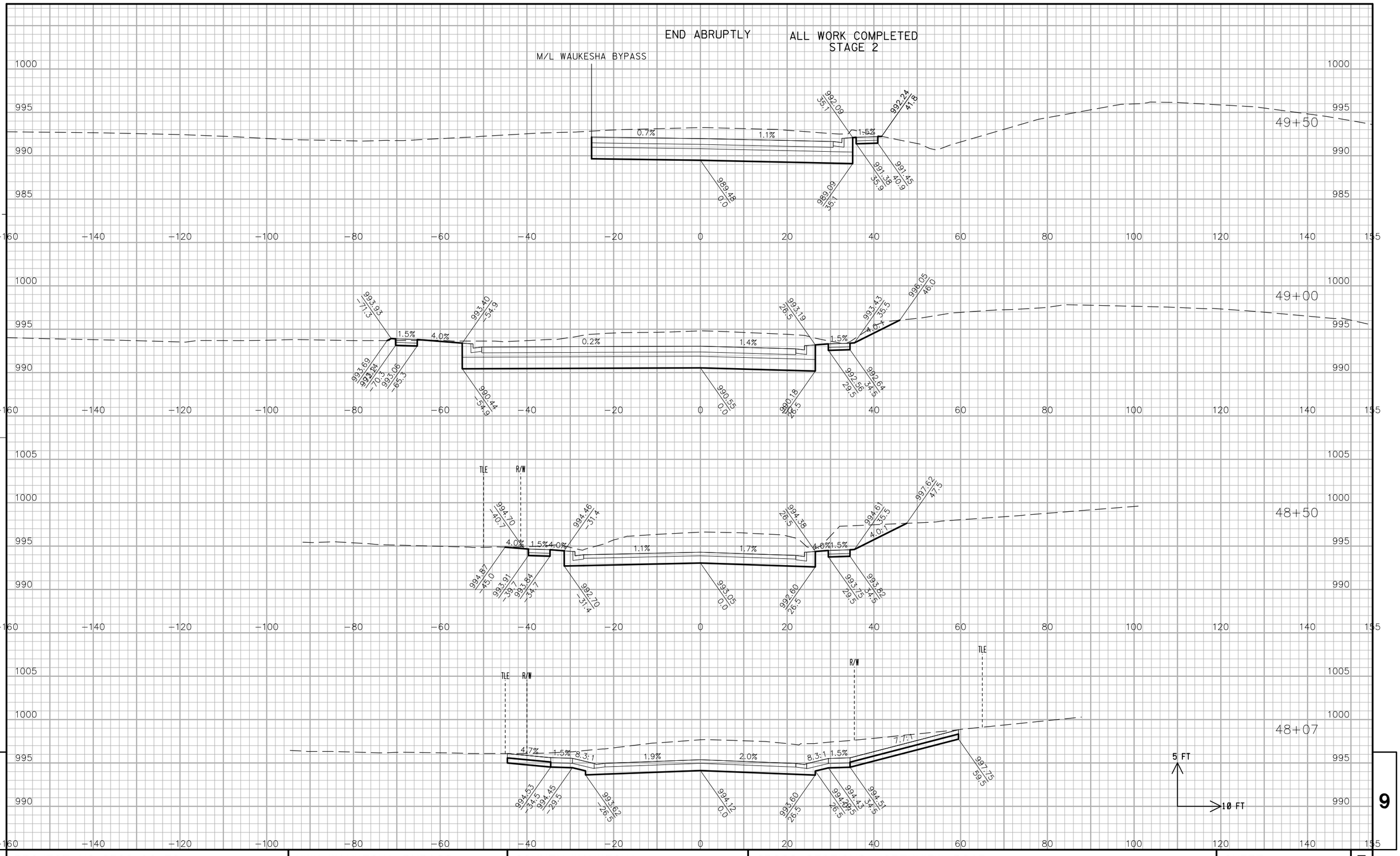
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

END ABRUPTLY

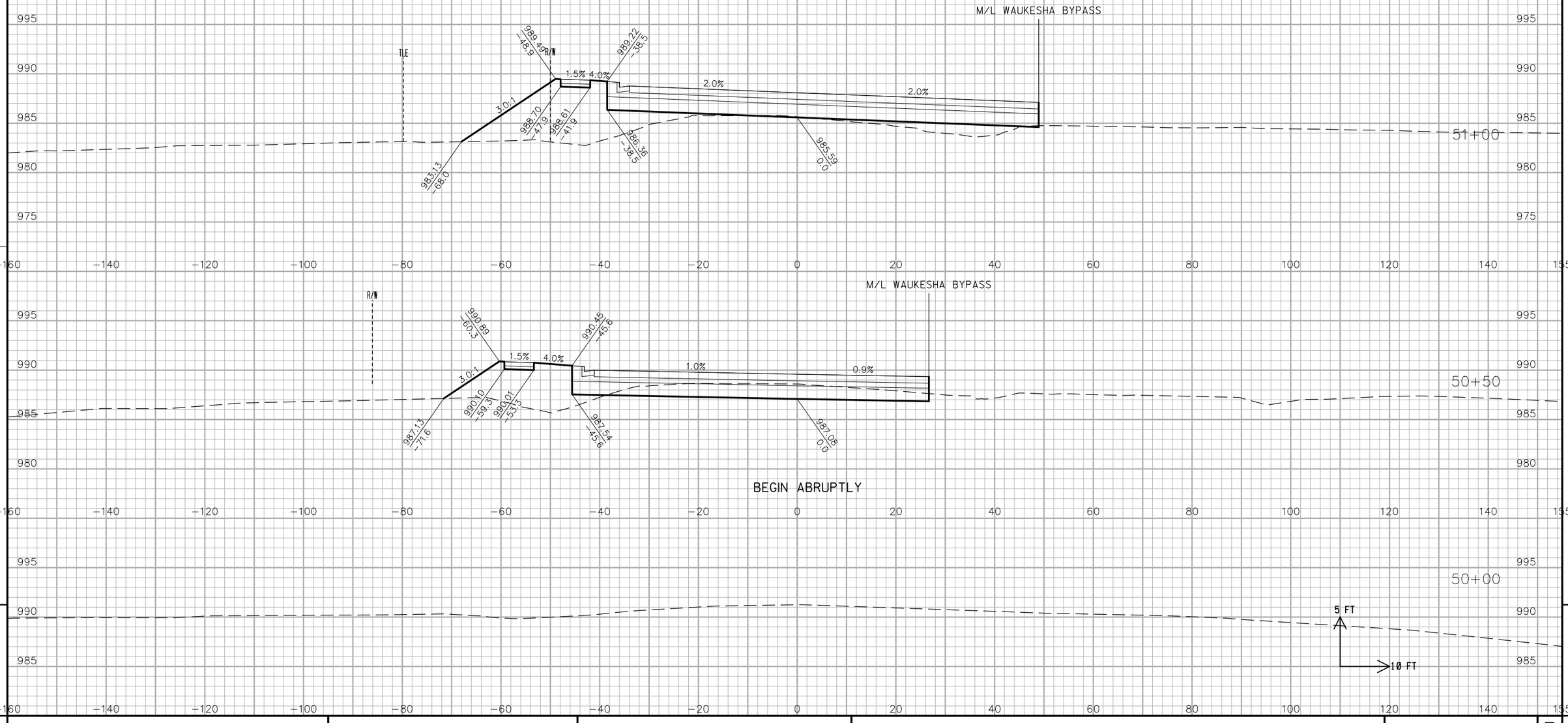
ALL WORK COMPLETED
STAGE 2

M/L WAUKESHA BYPASS



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

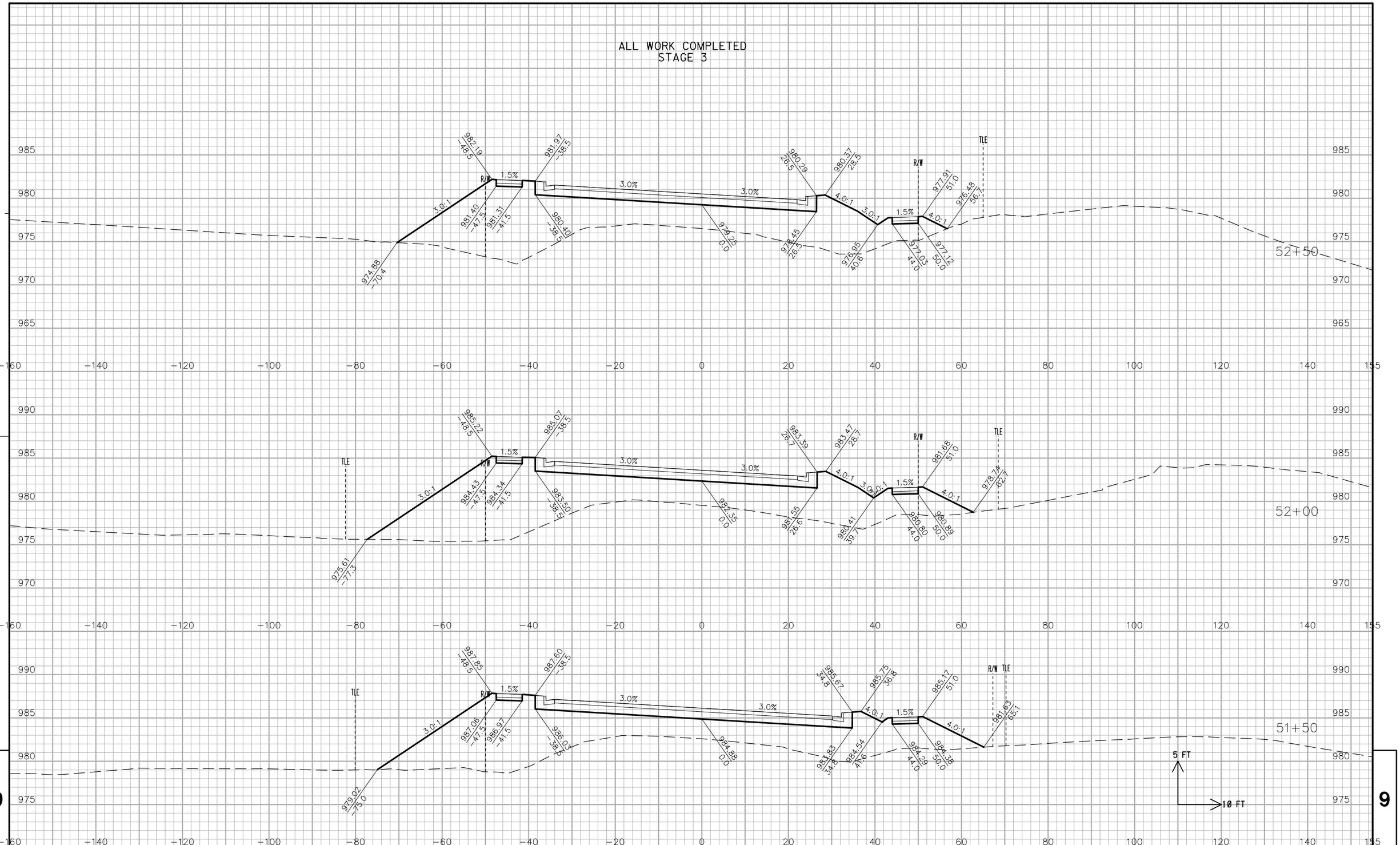
ALL WORK COMPLETED
STAGE 3



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3

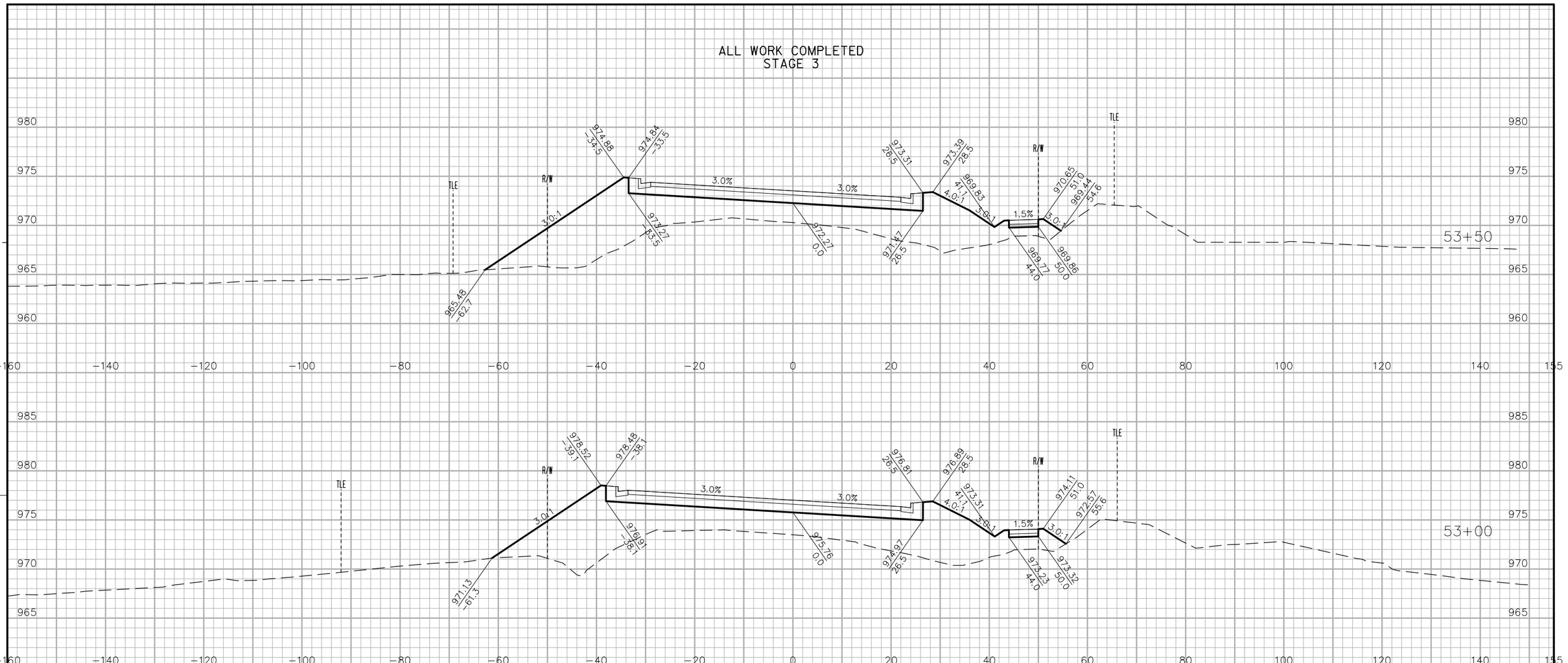


PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44

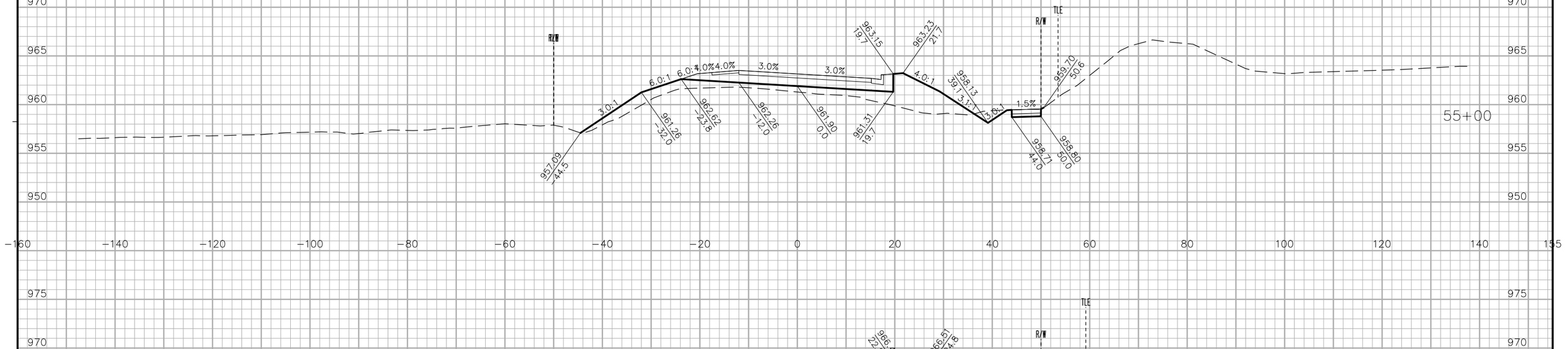
ALL WORK COMPLETED
STAGE 3

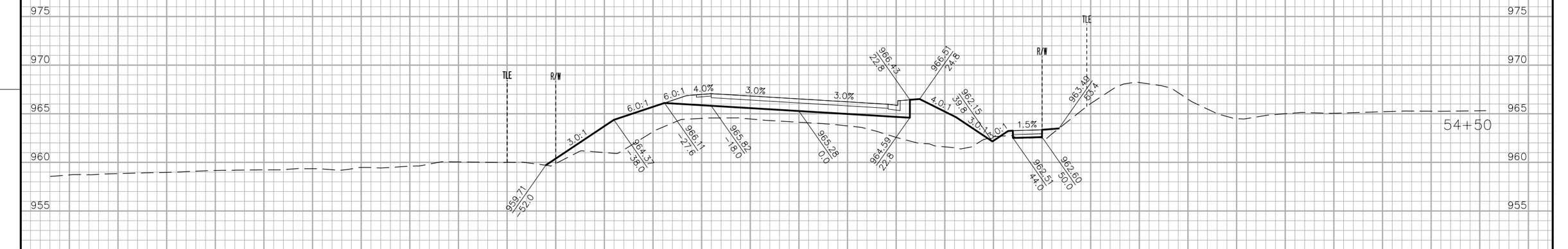


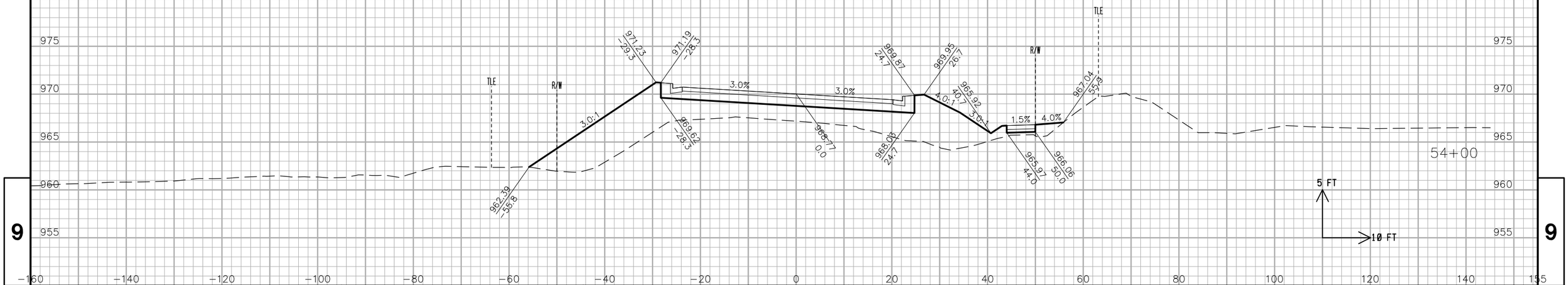
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3





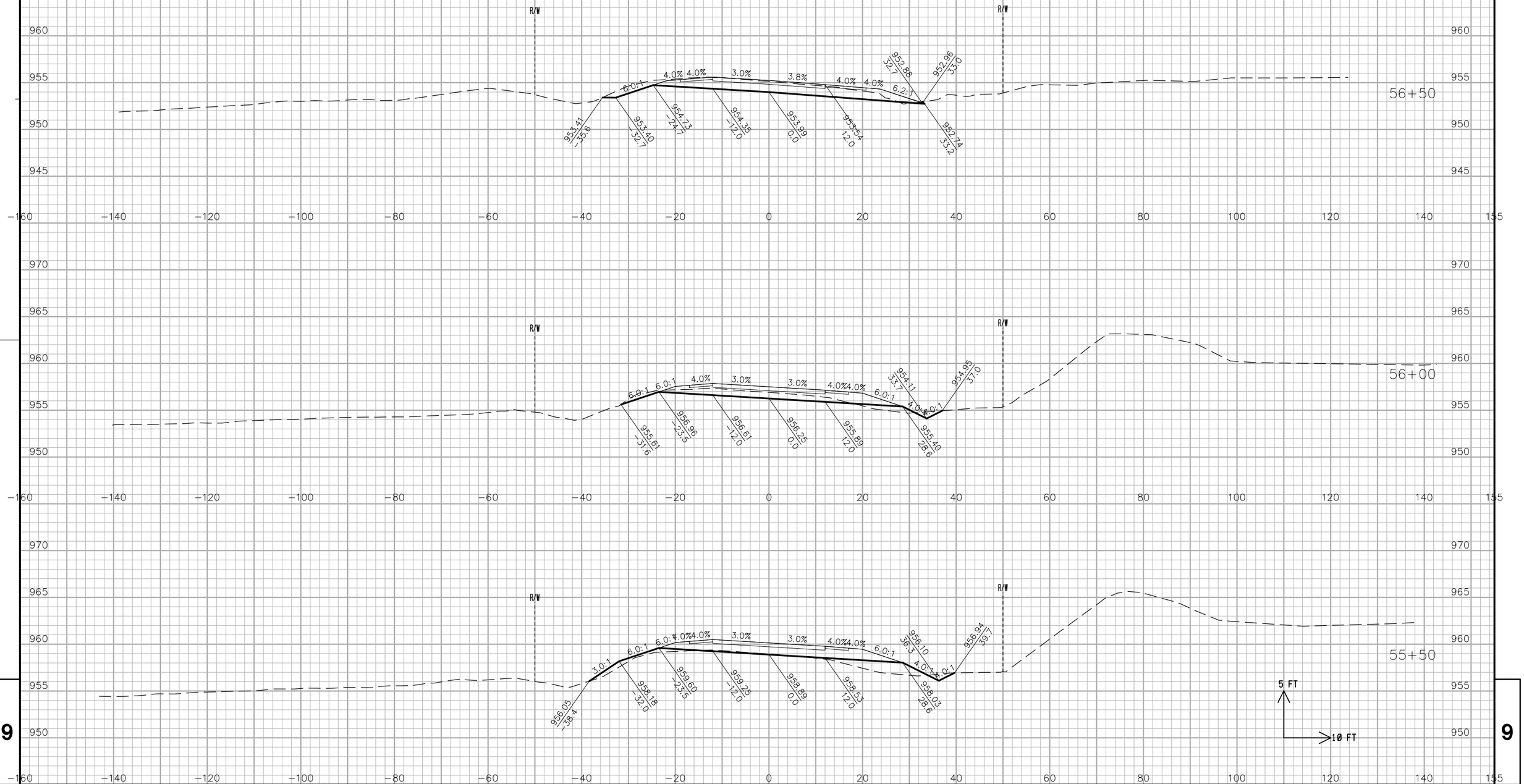


PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44

ALL WORK COMPLETED
STAGE 3



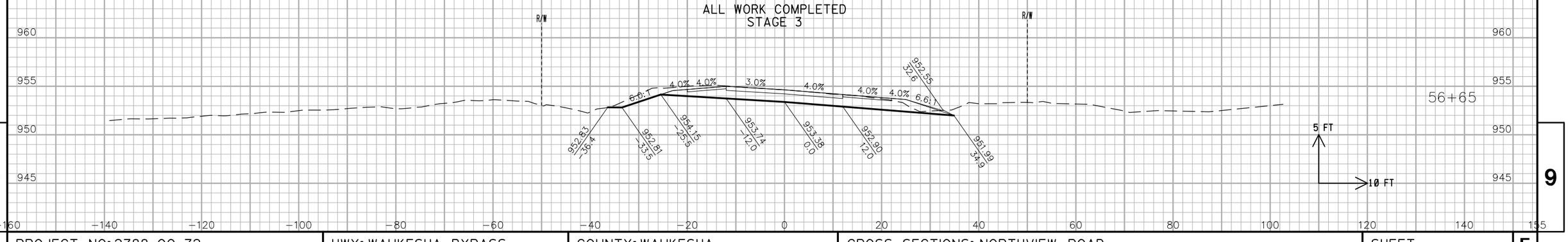
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

FILE NAME : ch_090209_xs_NV.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44

END ABRUPTLY

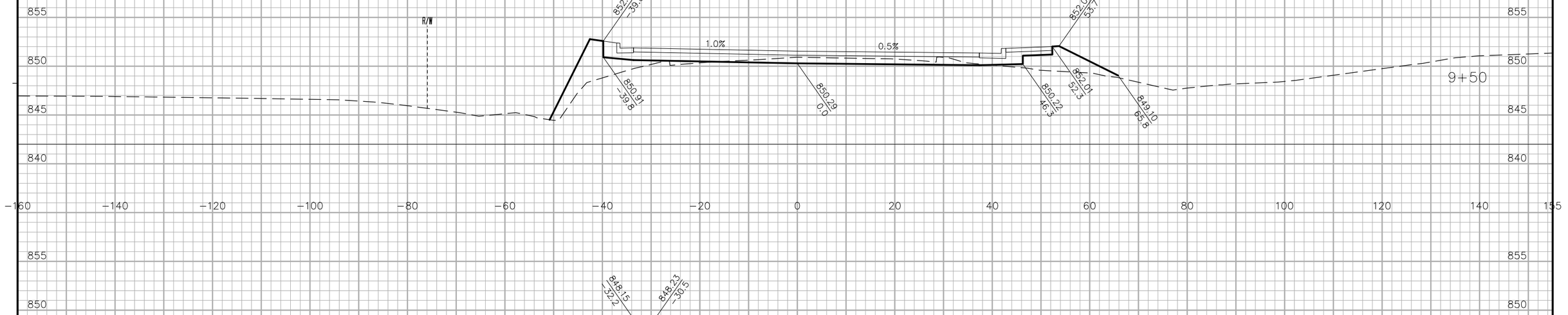
ALL WORK COMPLETED
STAGE 3

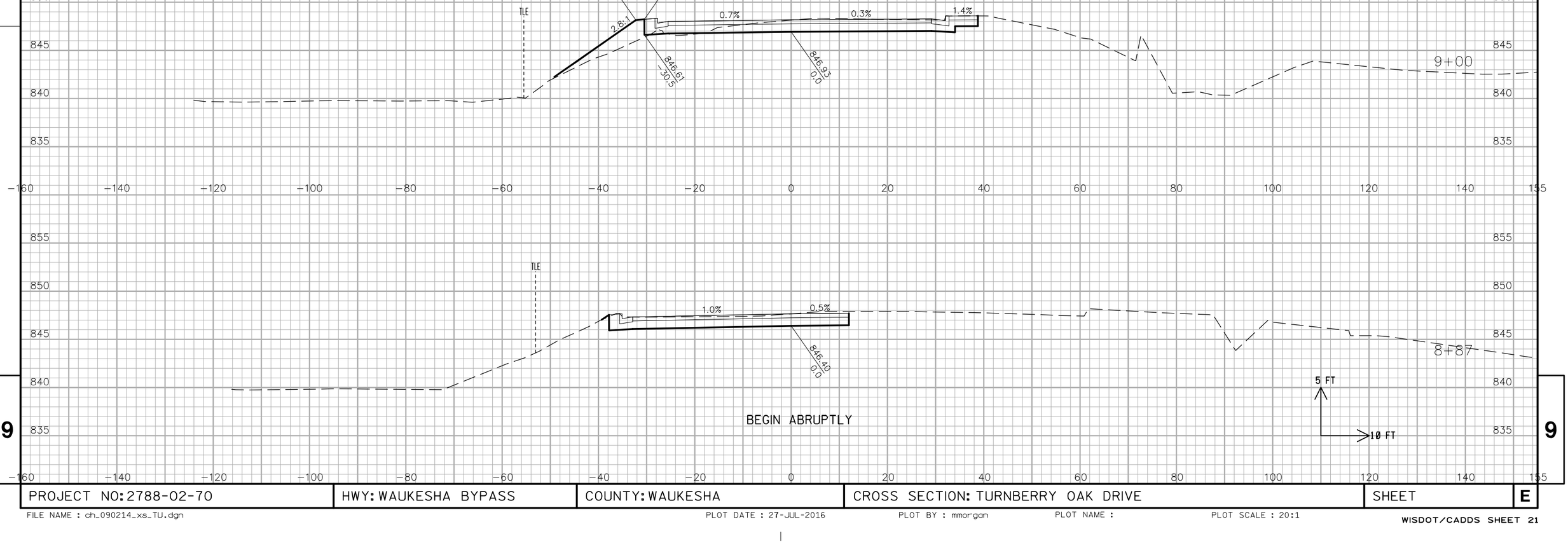


PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: NORTHVIEW ROAD	SHEET	E

ALL WORK COMPLETED
STAGE 2A

END ABRUPTLY





BEGIN ABRUPTLY

9

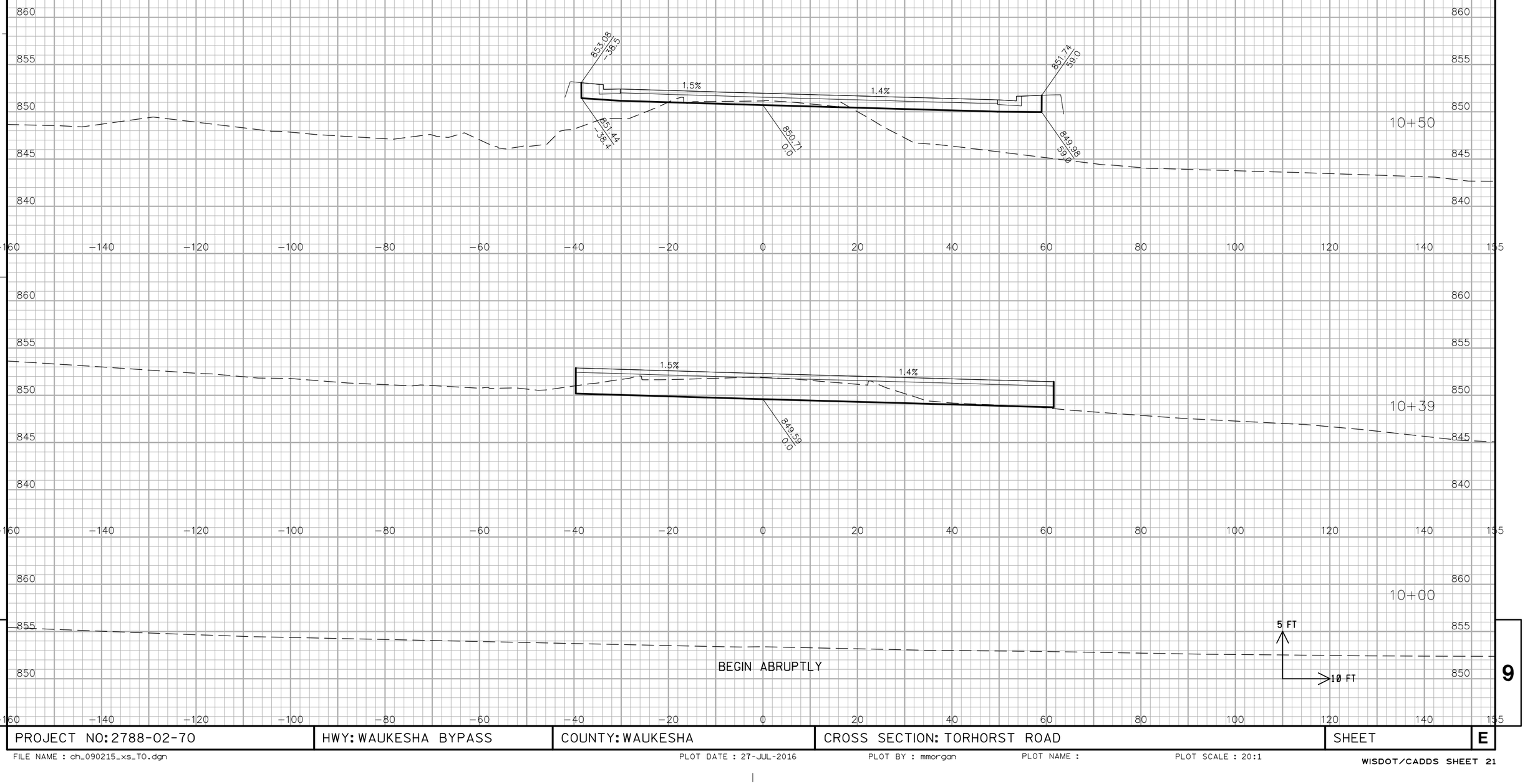
9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: TURNBERRY OAK DRIVE	SHEET	E

FILE NAME : ch_090214_xs_TU.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED
STAGE 2B



BEGIN ABRUPTLY

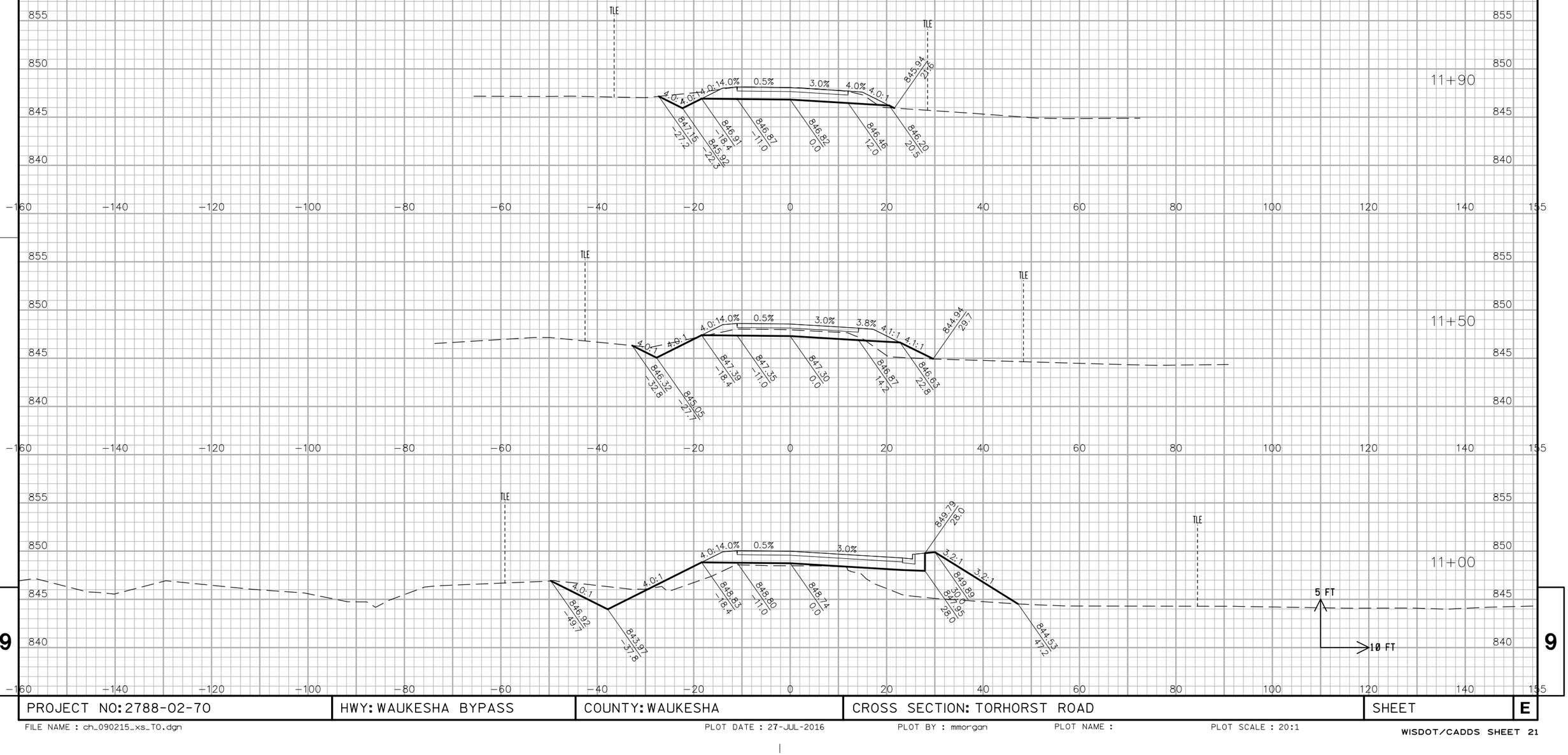
9 9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: TORHORST ROAD	SHEET	E

FILE NAME : ch_090215_xs_T0.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

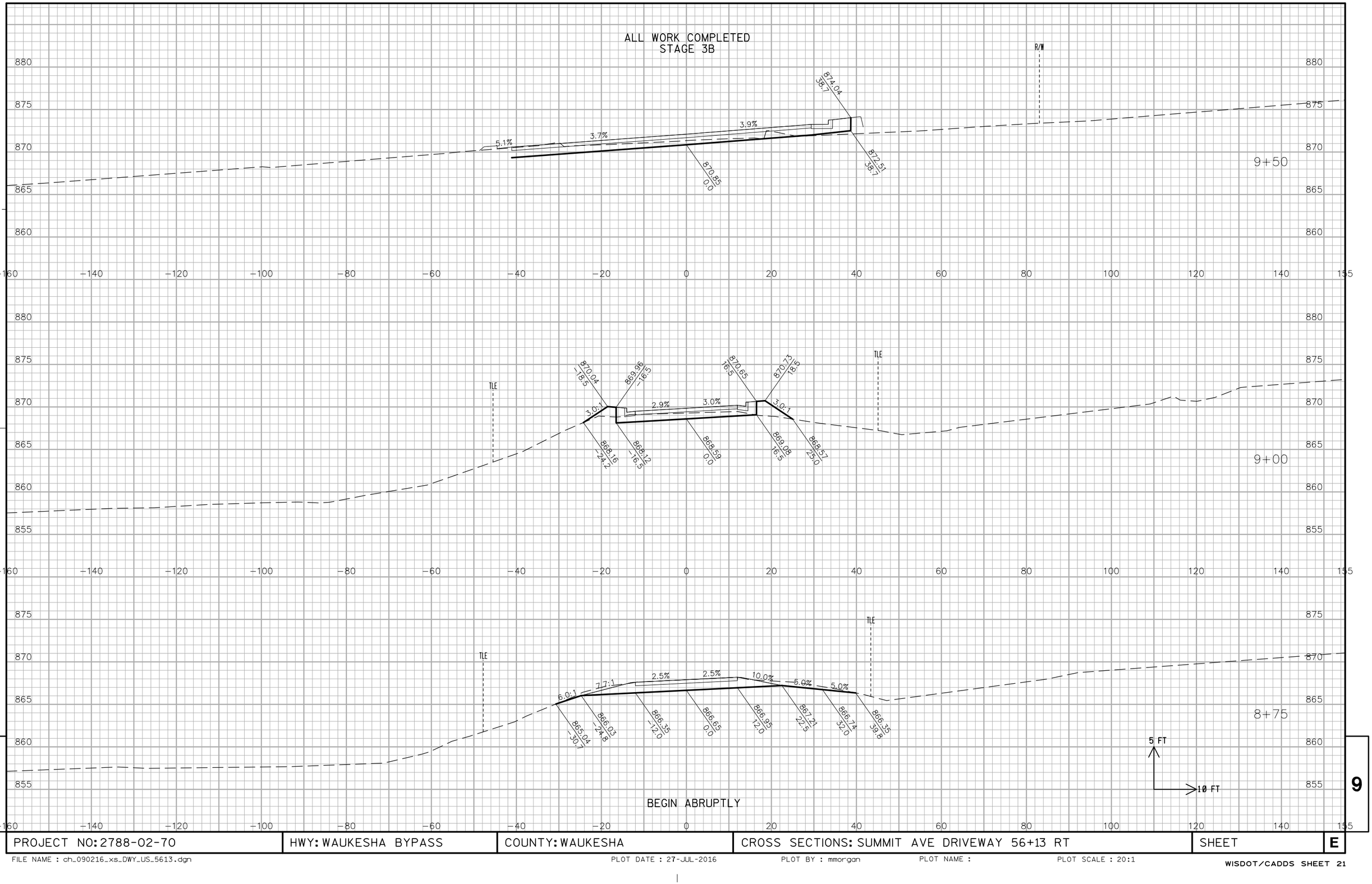
ALL WORK COMPLETED
STAGE 2B

END ABRUPTLY



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: TORHORST ROAD	SHEET	E

FILE NAME : ch_090215_xs_TO.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



9

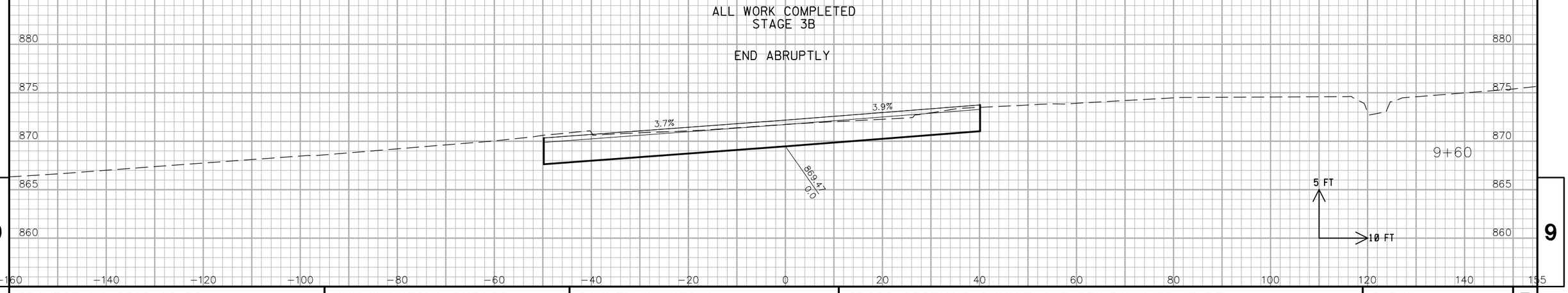
9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVE DRIVEWAY 56+13 RT	SHEET	E

FILE NAME : ch_090216_xs_DWY_US_5613.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3B

END ABRUPTLY

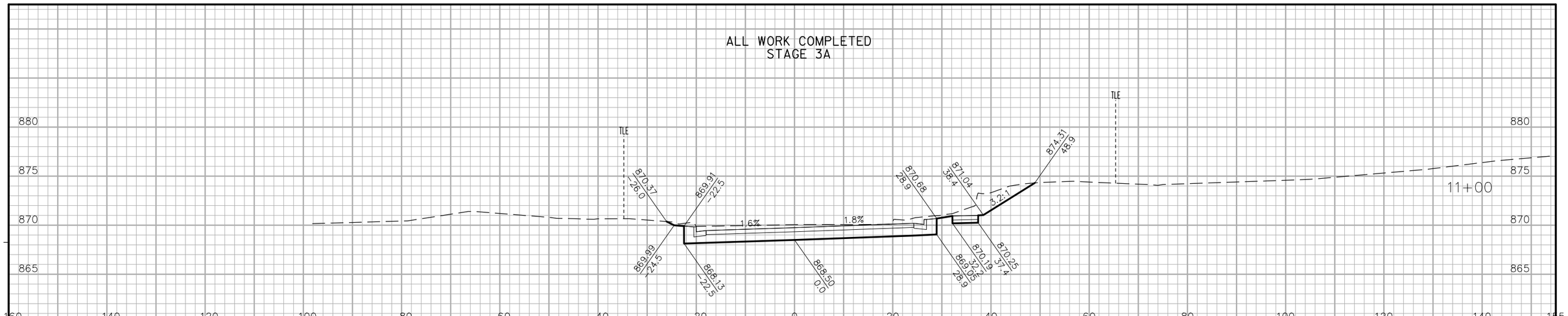


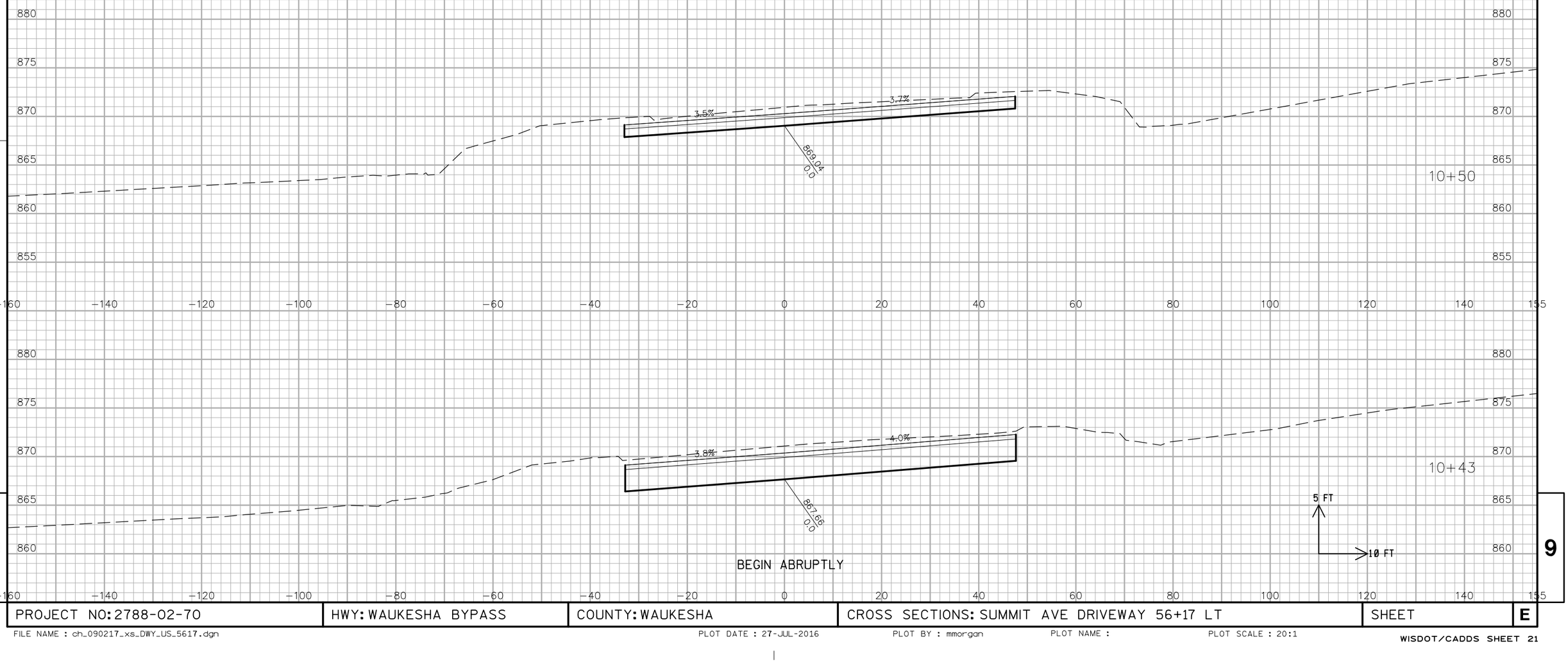
9

9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVE DRIVEWAY 56+13 RT	SHEET	E

ALL WORK COMPLETED
STAGE 3A

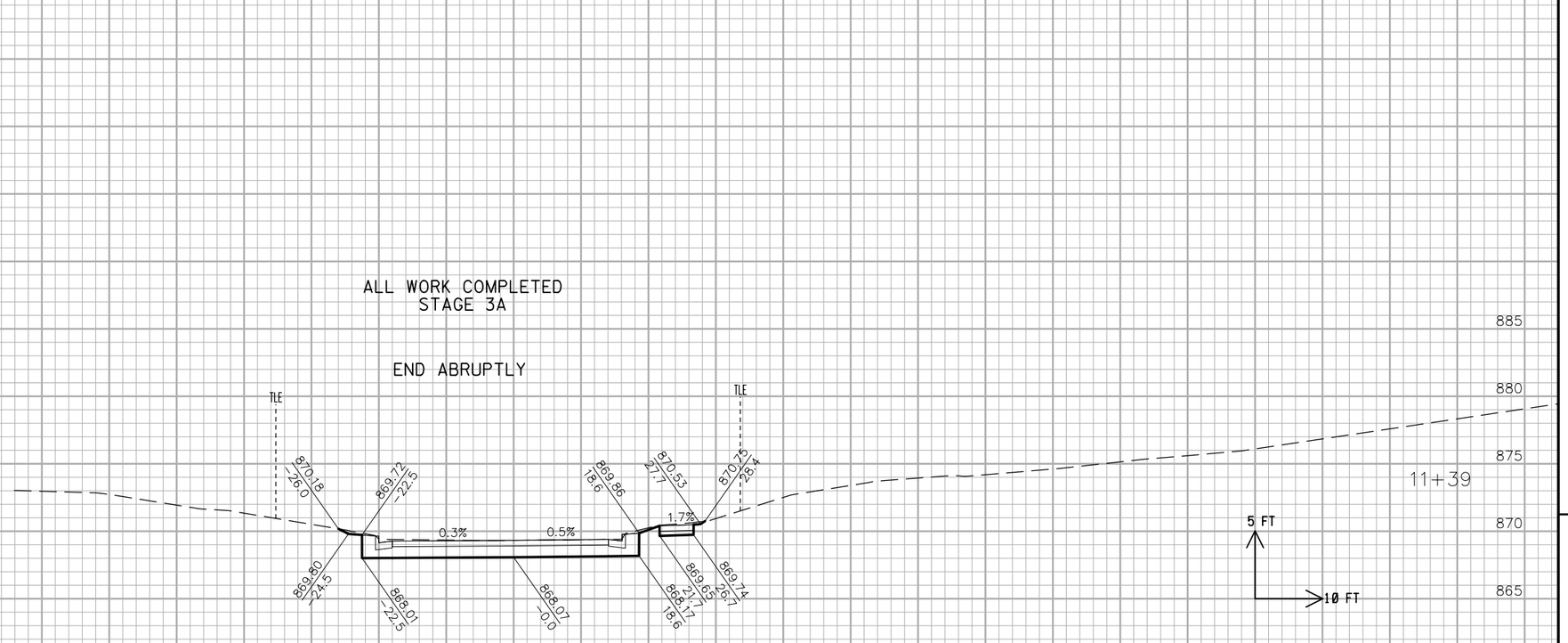




PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVE DRIVEWAY 56+17 LT	SHEET	E

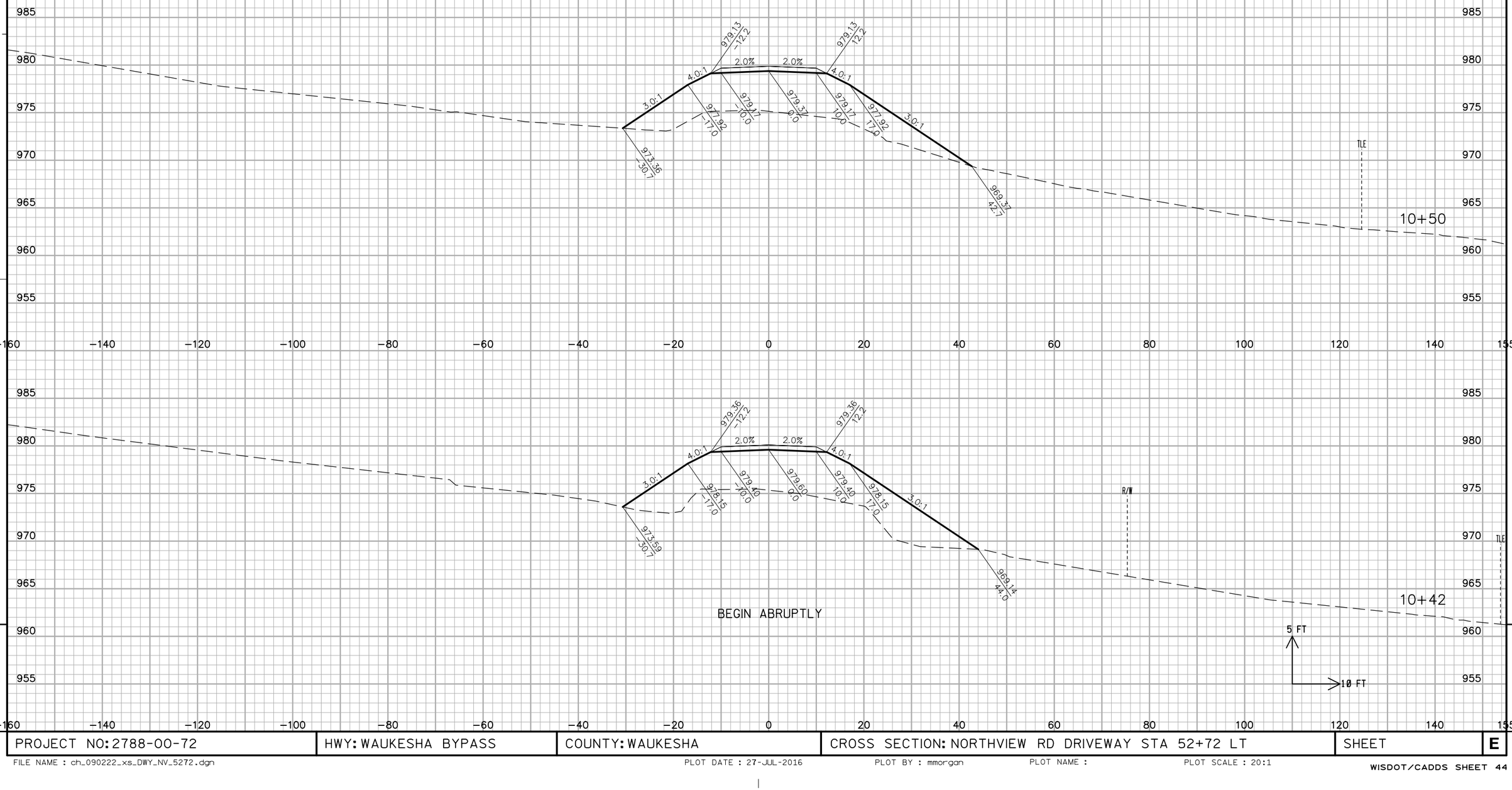
ALL WORK COMPLETED
STAGE 3A

END ABRUPTLY



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUMMIT AVE DRIVEWAY 56+17 LT	SHEET	E

ALL WORK COMPLETED
STAGE 3

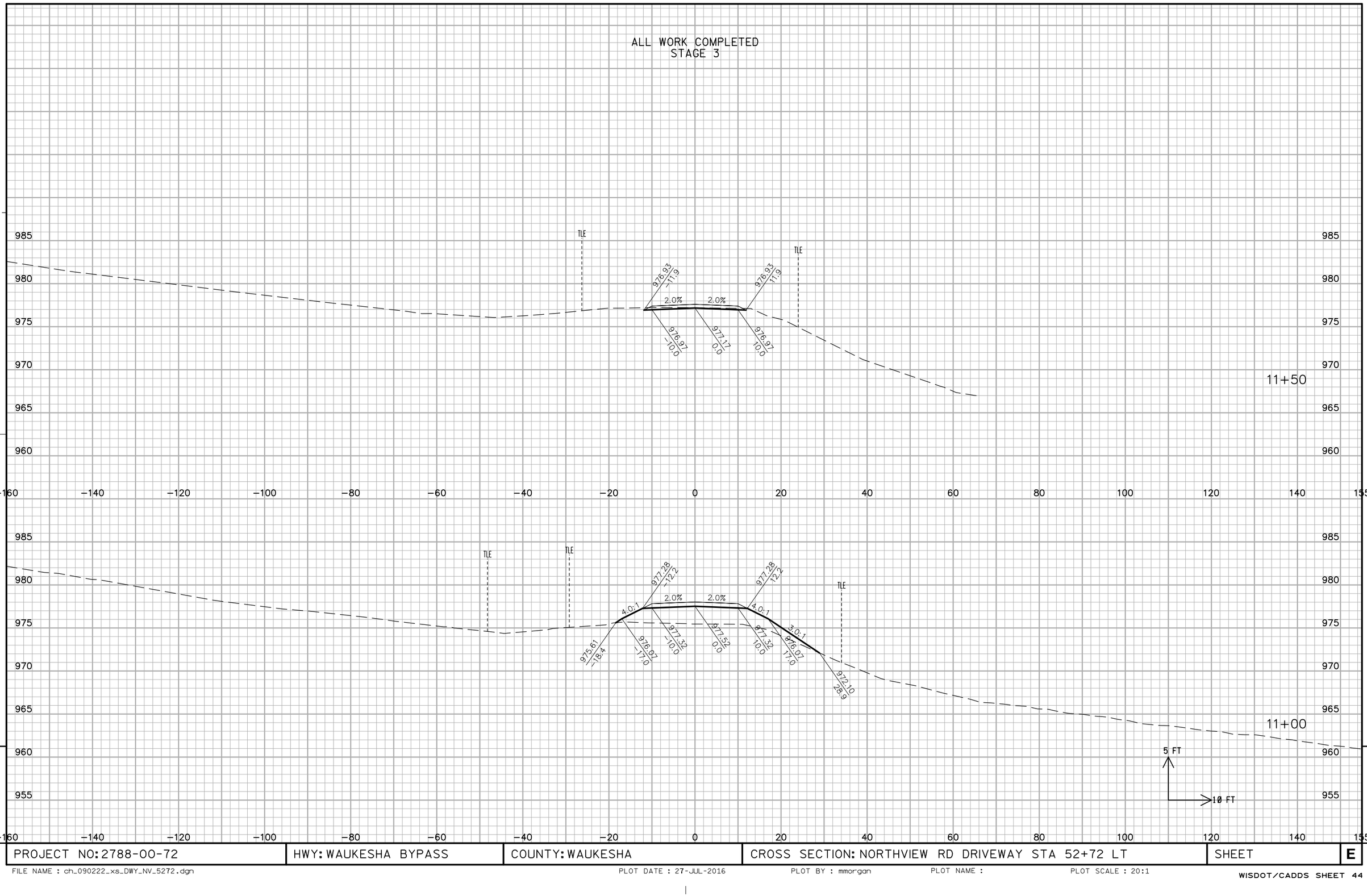


BEGIN ABRUPTLY

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: NORTHVIEW RD DRIVEWAY STA 52+72 LT	SHEET	E

FILE NAME : ch_090222_xs_DWY_NV_5272.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3



9

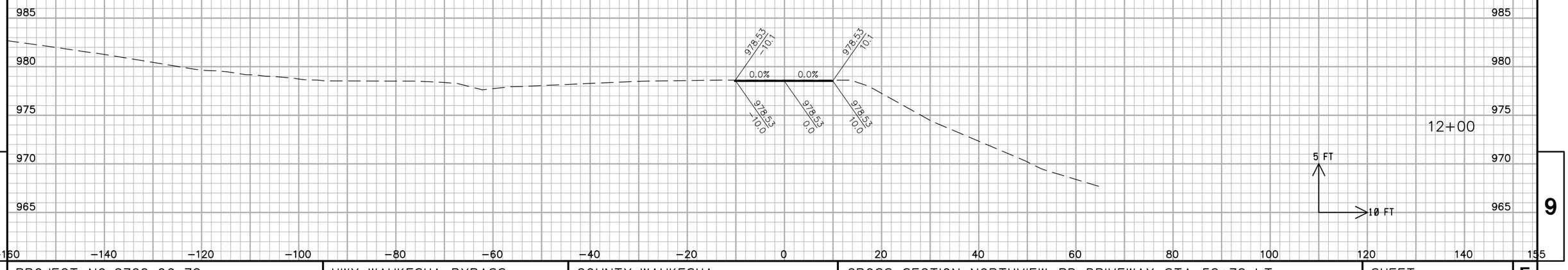
9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: NORTHVIEW RD DRIVEWAY STA 52+72 LT	SHEET	E

FILE NAME : ch_090222_xs_DWY_NV_5272.dgn PLOT DATE : 27-JUL-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED
STAGE 3

END ABRUPTLY



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTION: NORTHVIEW RD DRIVEWAY STA 52+72 LT	SHEET	E

890
885
880
875
870
865

−160 −140 −120 −100 −80 −60 −40 −20 0 20 40 60 80 100 120 140 155

265+00

264+66

BEGIN ABRUPT

5 FT

10 FT

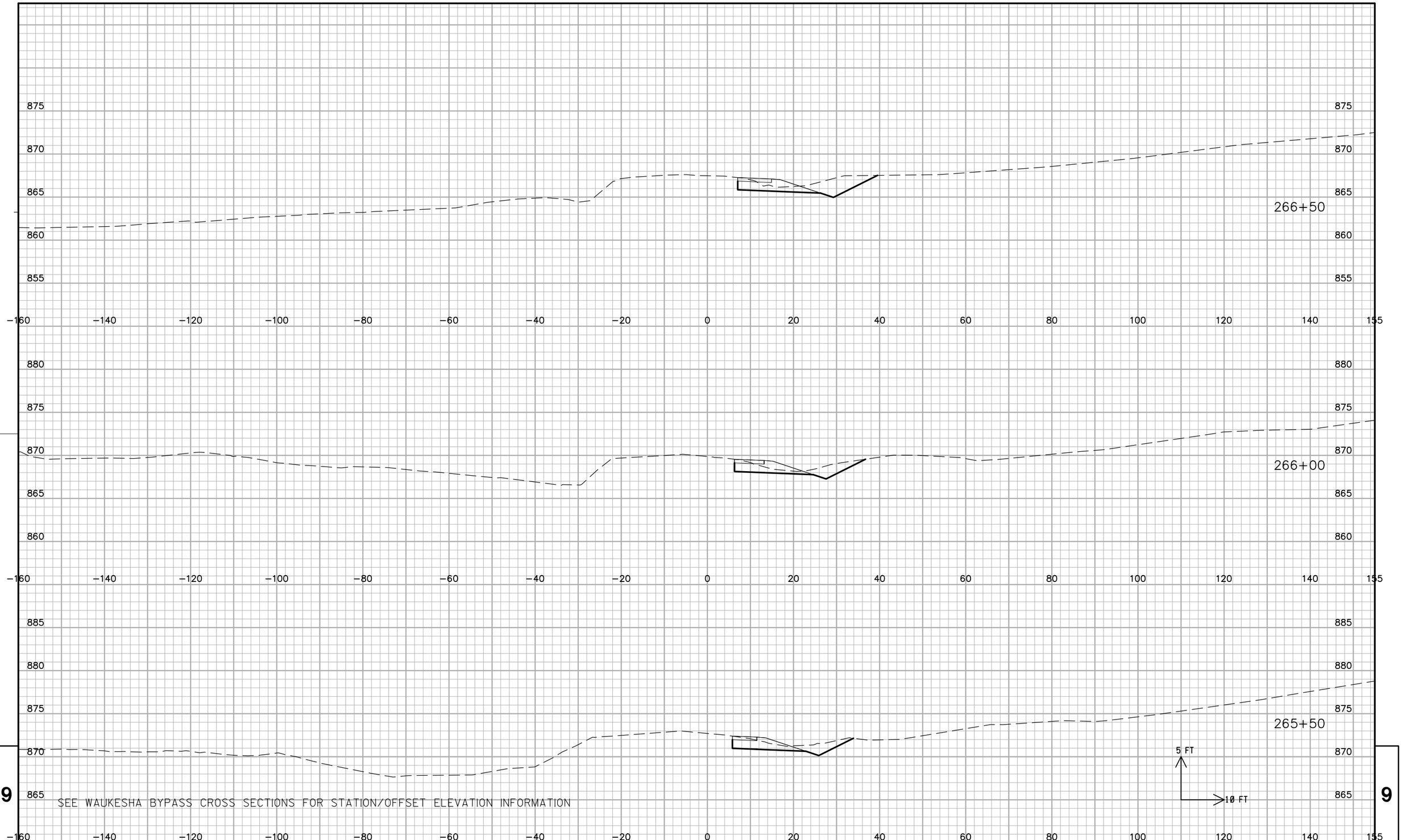
SEE WAUKESHA BYPASS CROSS SECTIONS FOR STATION/OFFSET ELEVATION INFORMATION

9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

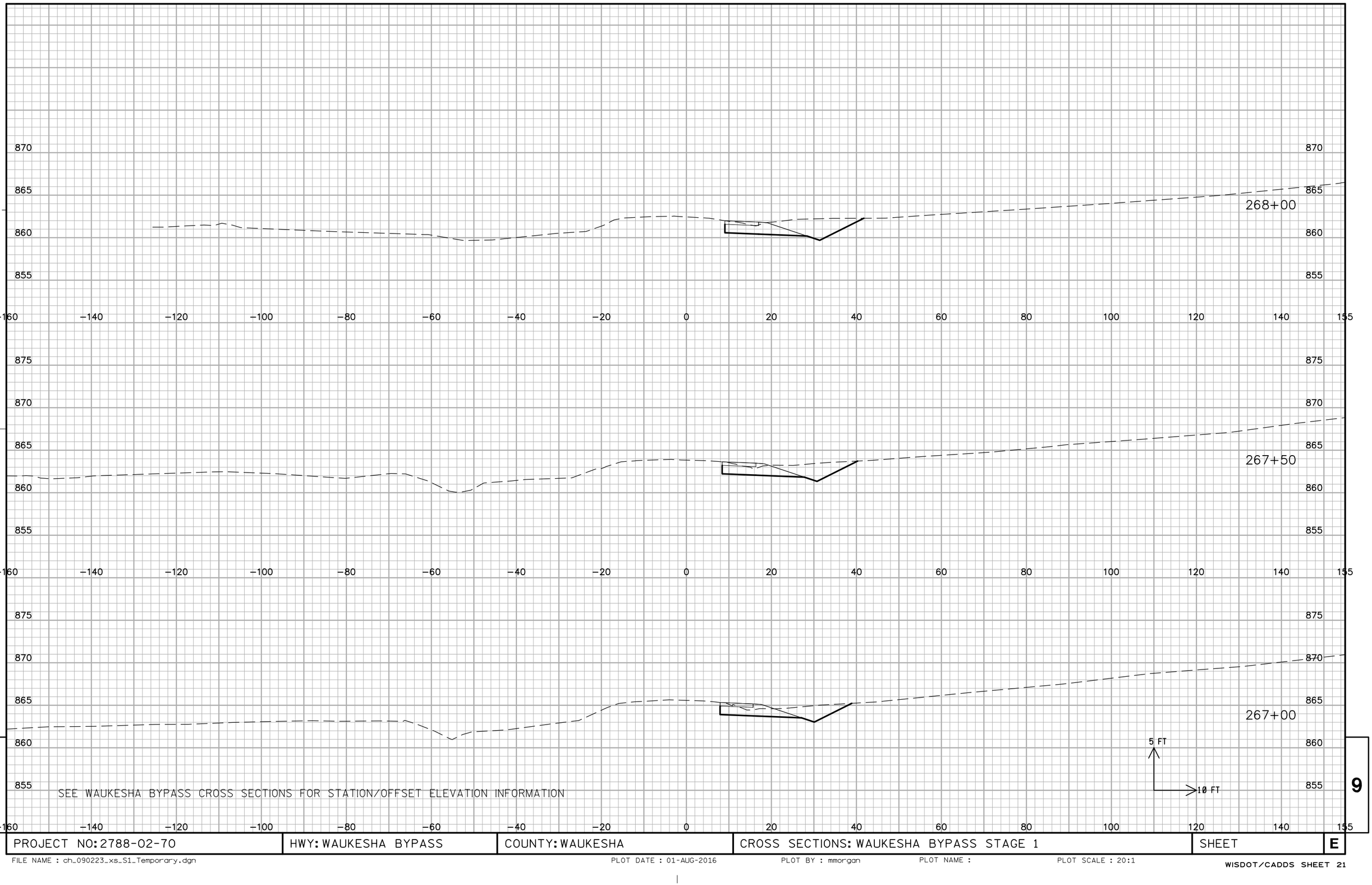


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SEE WAUKESHA BYPASS CROSS SECTIONS FOR STATION/OFFSET ELEVATION INFORMATION

9

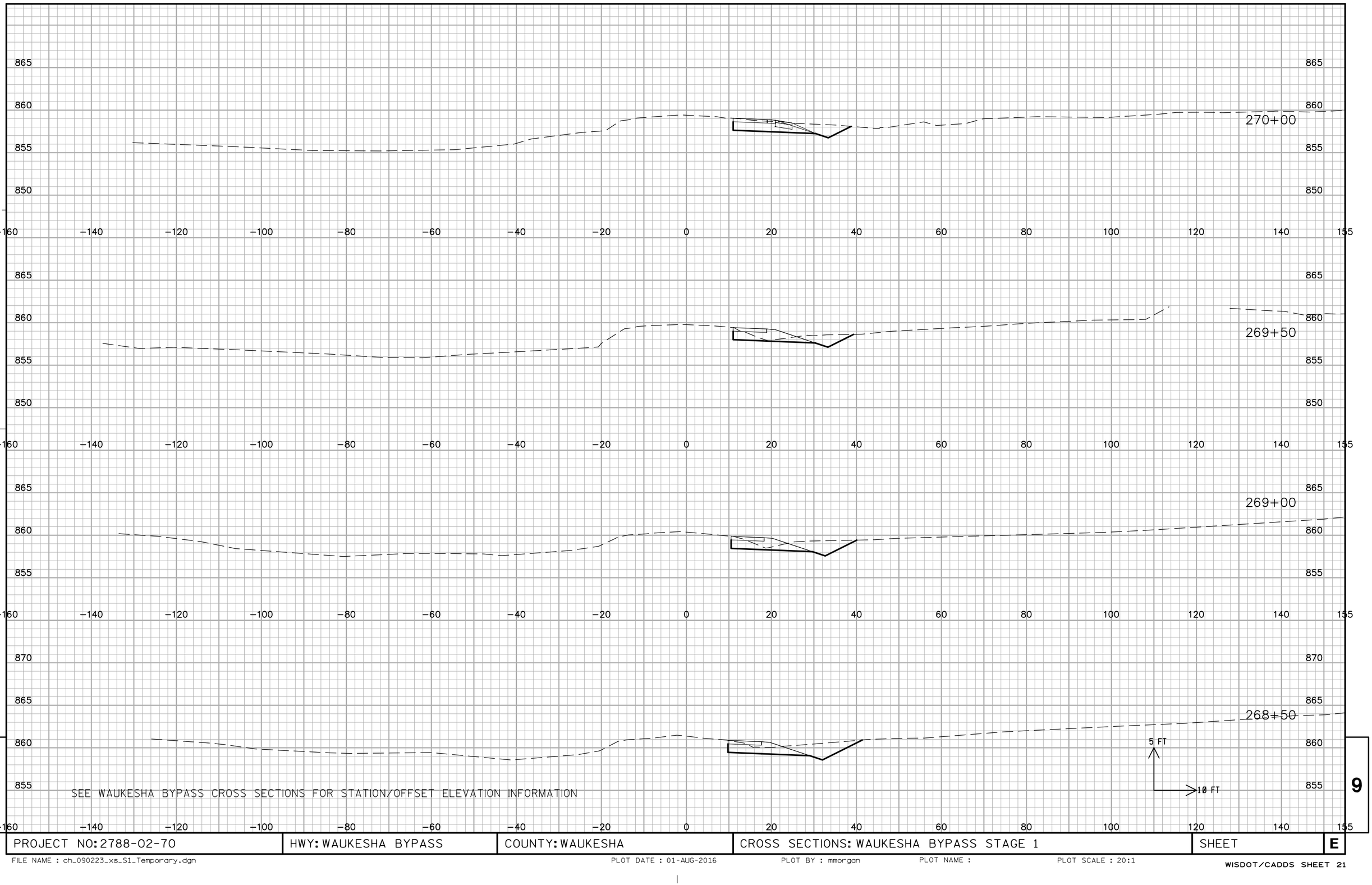
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E



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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

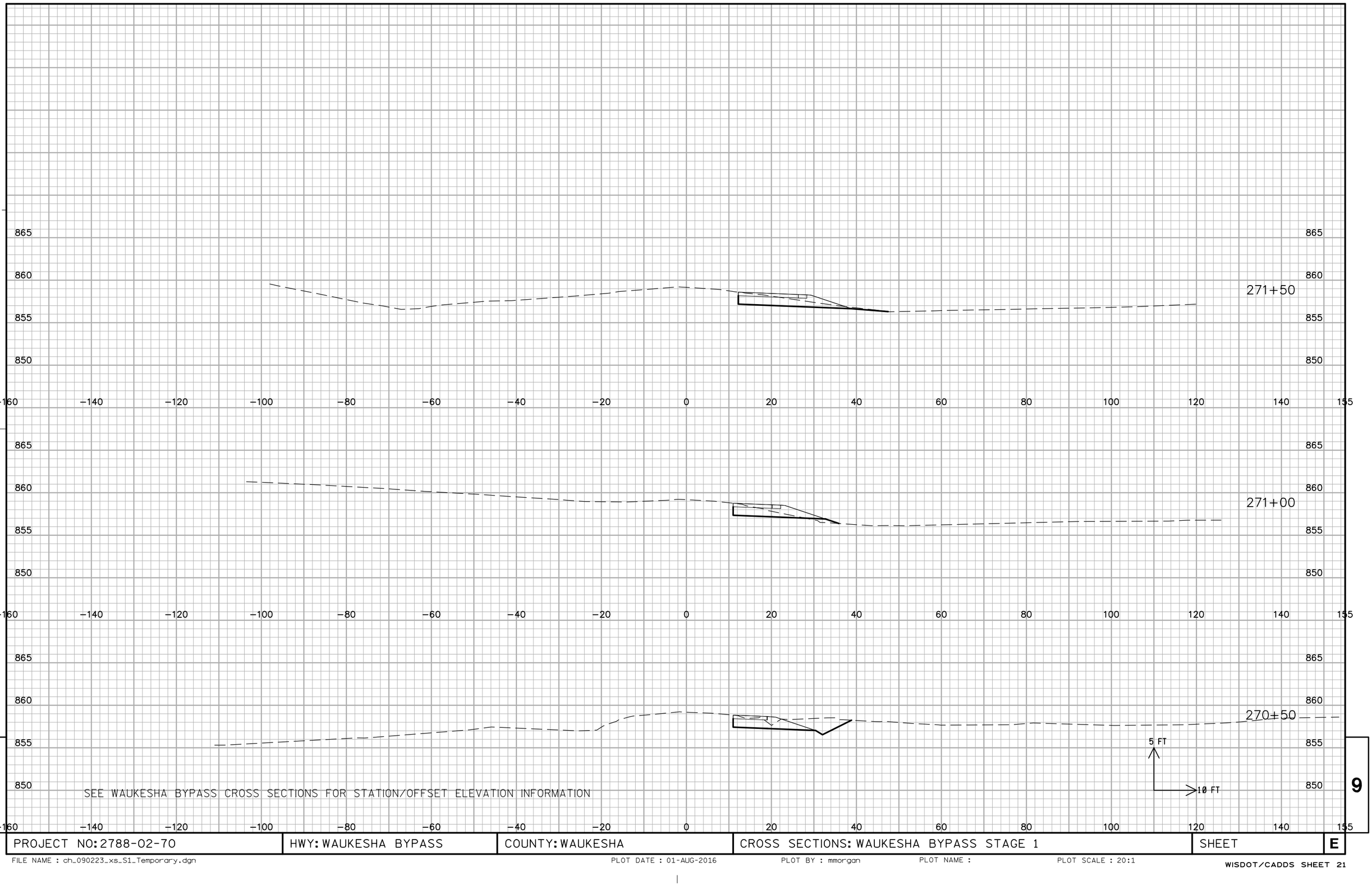


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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



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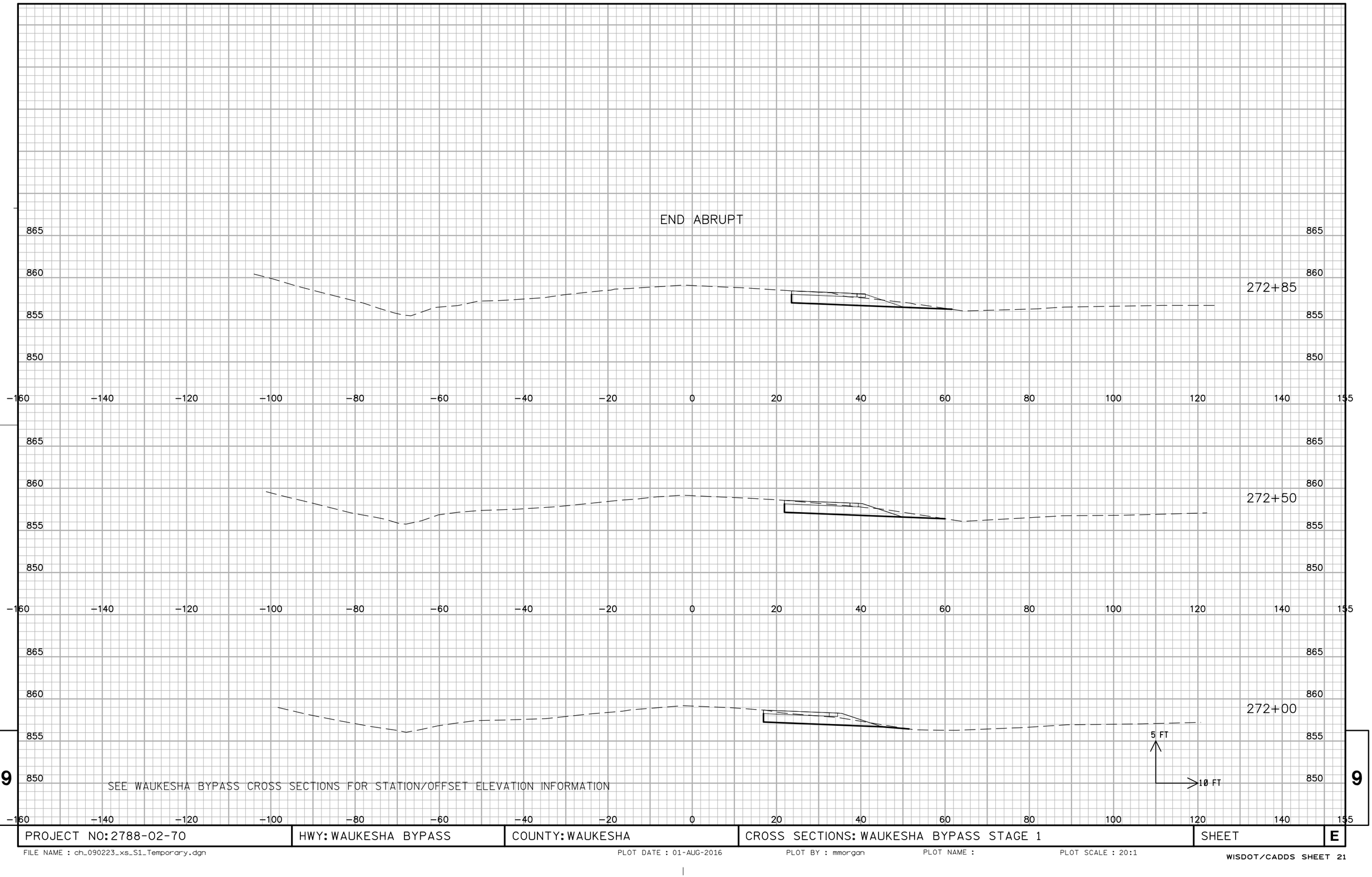
SEE WAUKESHA BYPASS CROSS SECTIONS FOR STATION/OFFSET ELEVATION INFORMATION

9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

END ABRUPT

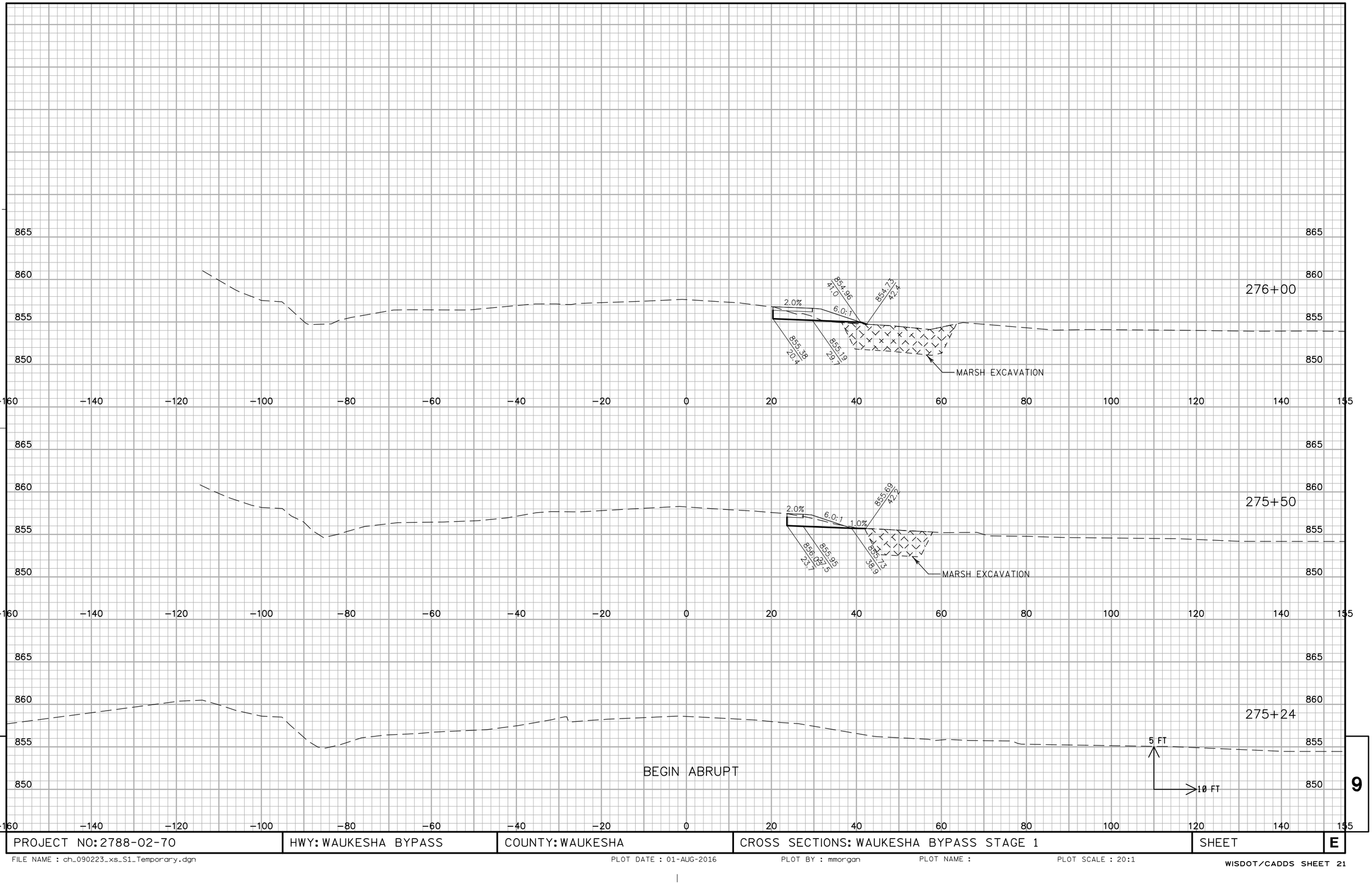


SEE WAUKESHA BYPASS CROSS SECTIONS FOR STATION/OFFSET ELEVATION INFORMATION

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

9

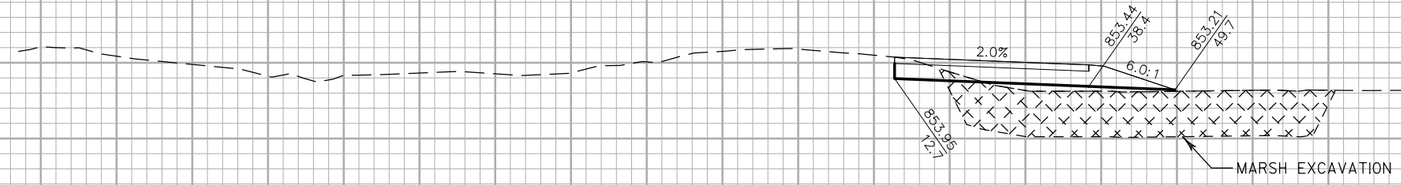
FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



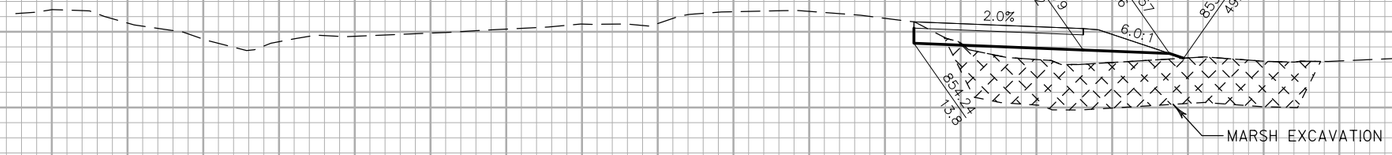
PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

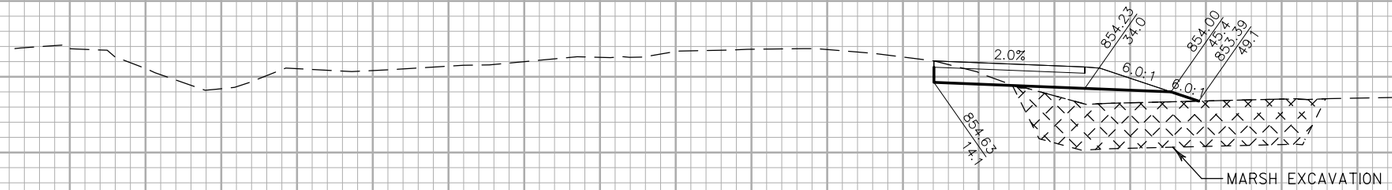
278+00



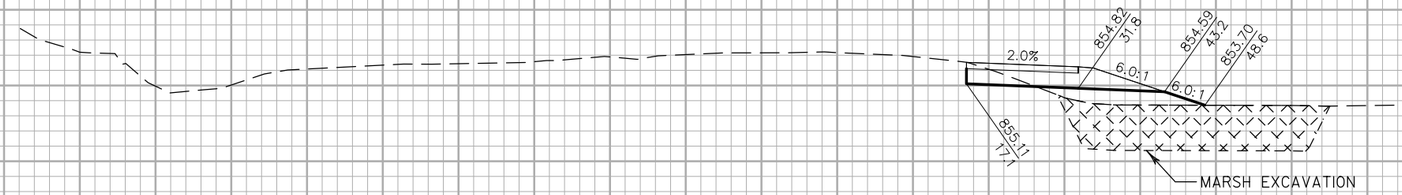
277+50



277+00

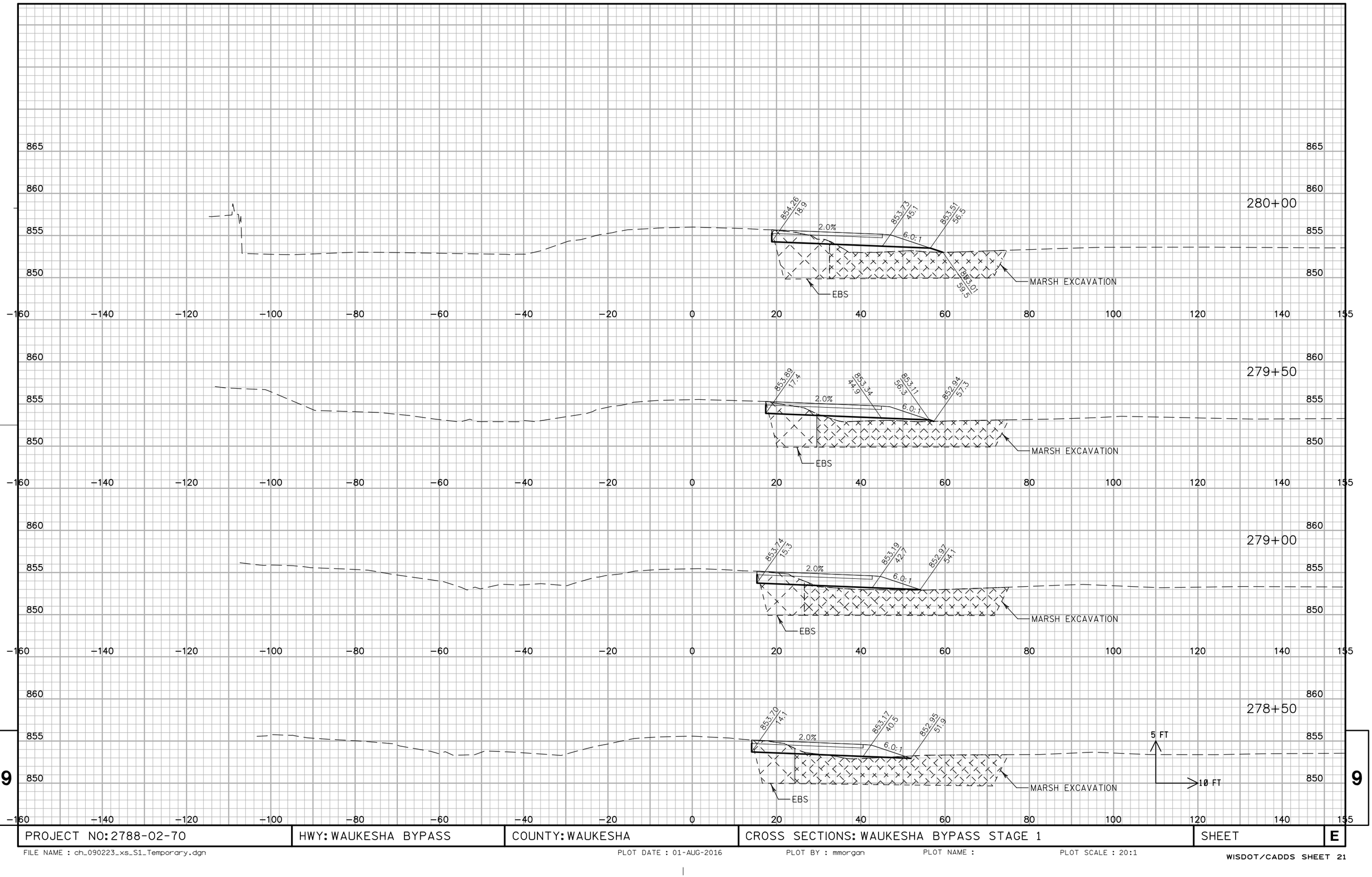


276+50



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

END ABRUPT

281+97

281+50

281+00

280+50

856.57
30.0
856.37
40.2
856.14
51.6
856.41
52.7
2.0%
6.0:1
EBS

855.63
23.8
855.27
41.8
855.05
53.2
854.60
55.9
2.0%
6.0:1
EBS
EBS
MARSH EXCAVATION

854.91
19.6
854.42
43.6
854.20
55.0
853.40
59.8
2.0%
6.0:1
6.0:1
MARSH EXCAVATION
EBS
5 FT
10 FT

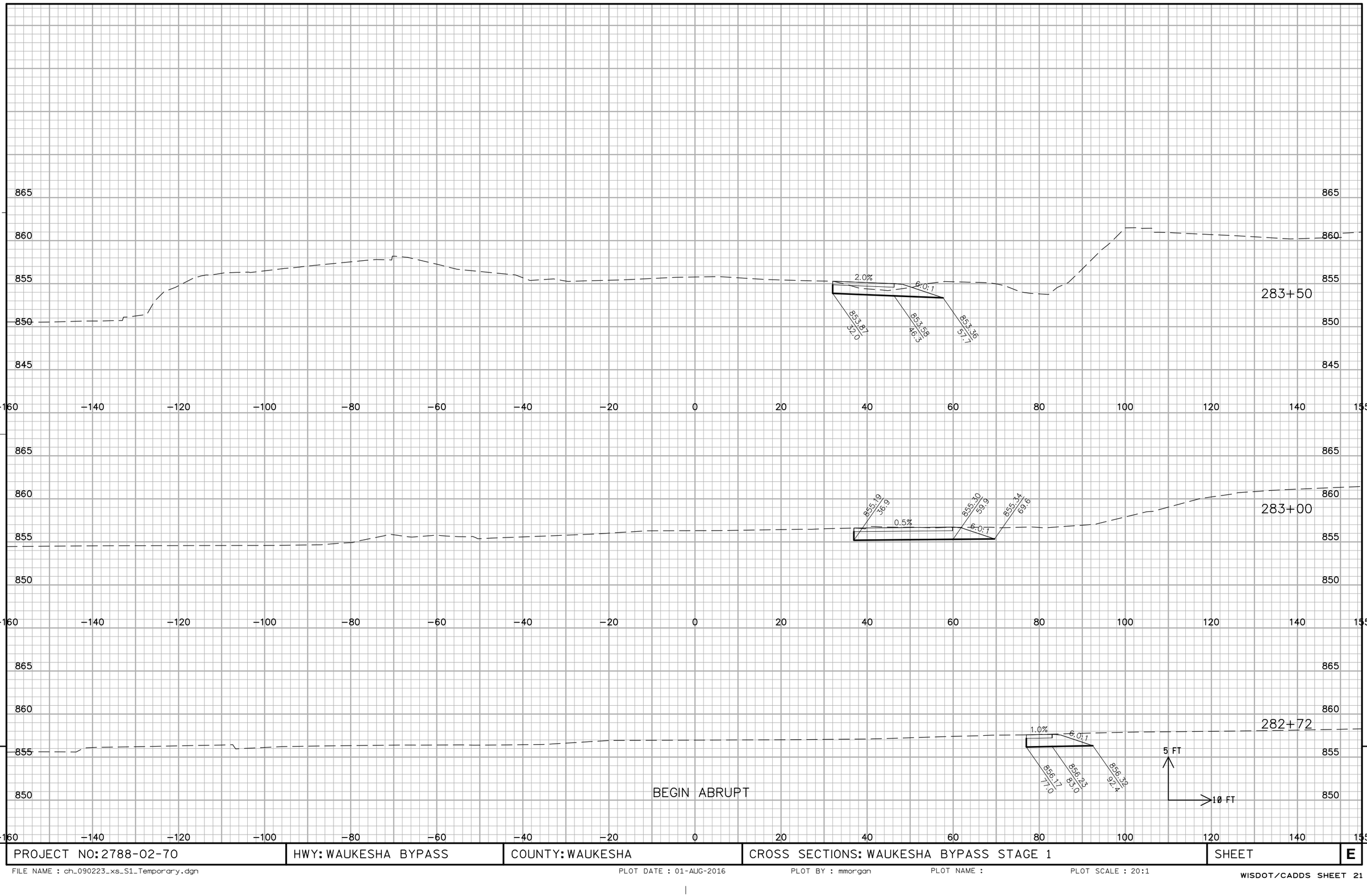
865 860 855 850

−160 −140 −120 −100 −80 −60 −40 −20 0 20 40 60 80 100 120 140 155

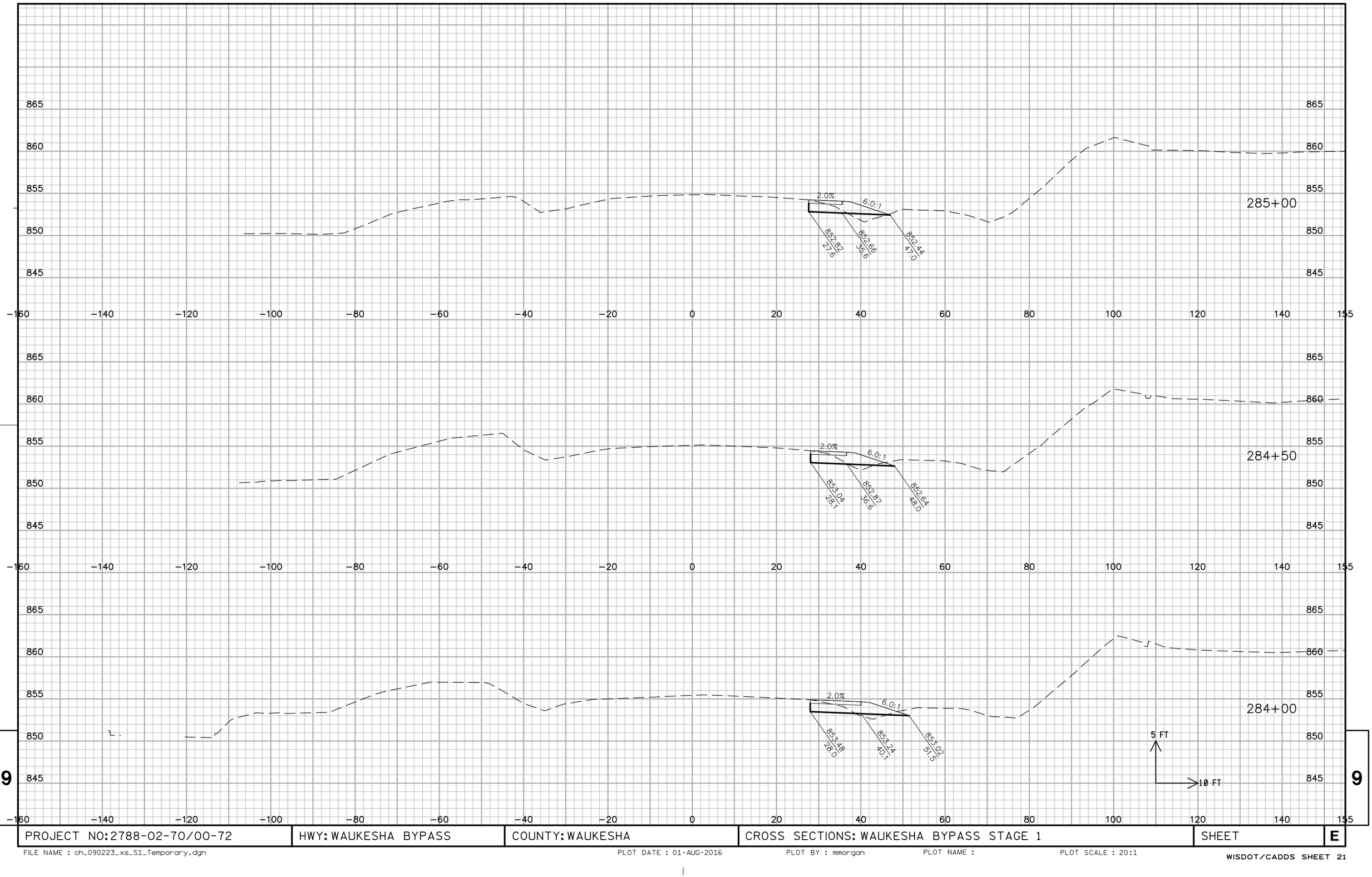
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E



9

9

PROJECT NO:2788-02-70/00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

END ABRUPT

286+47

286+00

2.0%
6.0:1
852.27
28.1
852.17
33.4
851.98
45.88

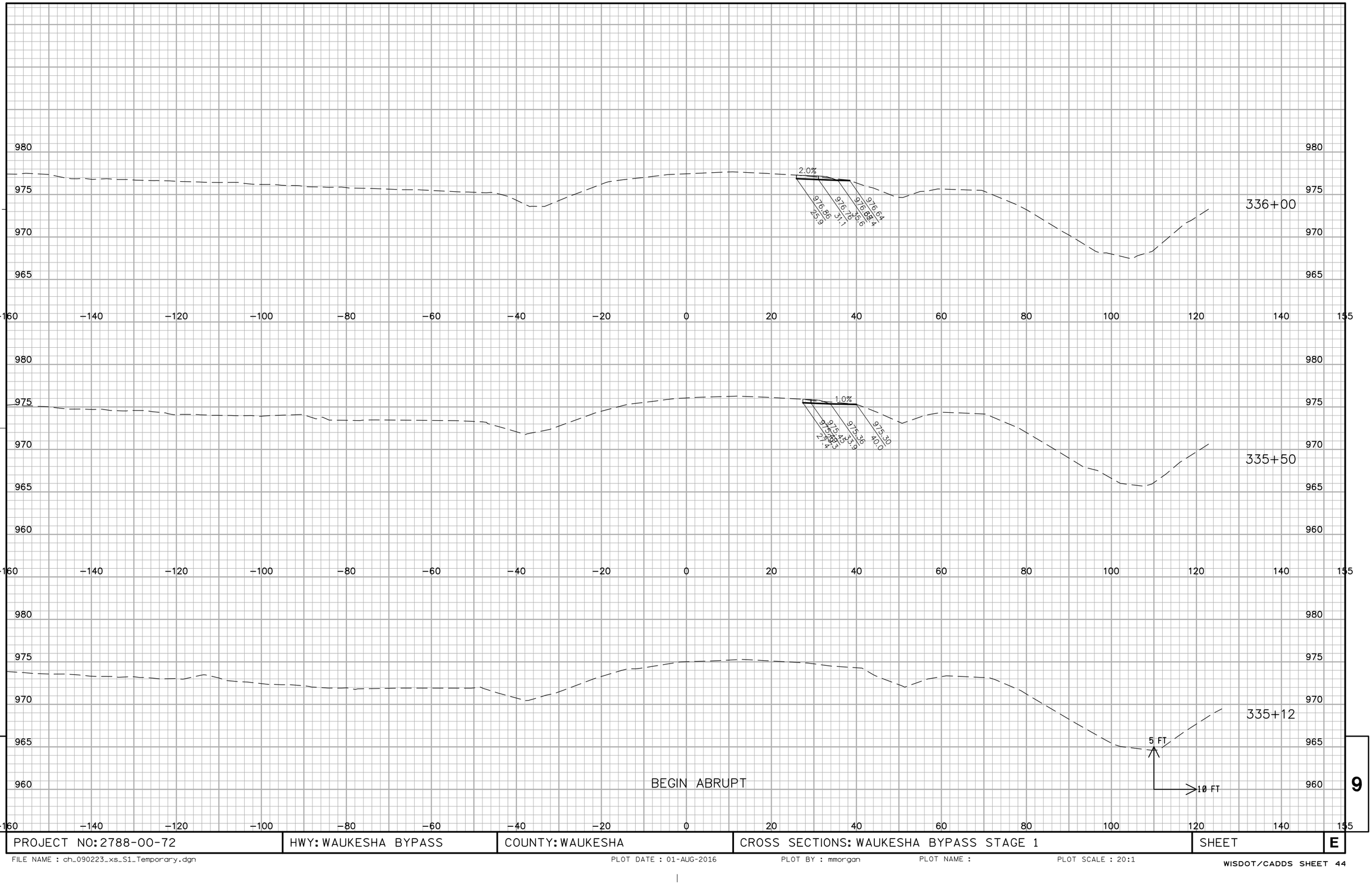
285+50

2.0%
6.0:1
852.61
21.1
852.46
34.5
852.23
45.9

5 FT
10 FT

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

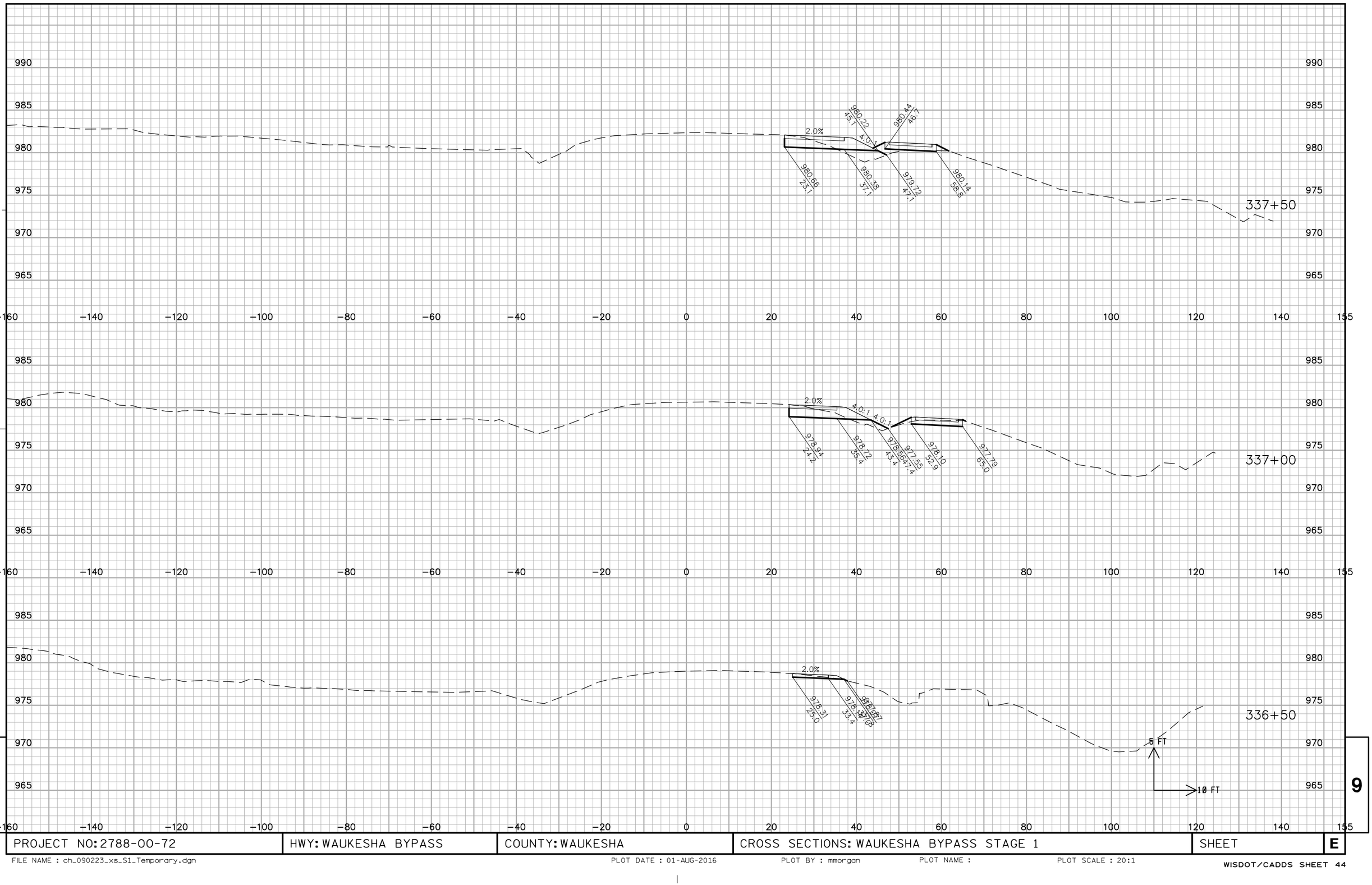
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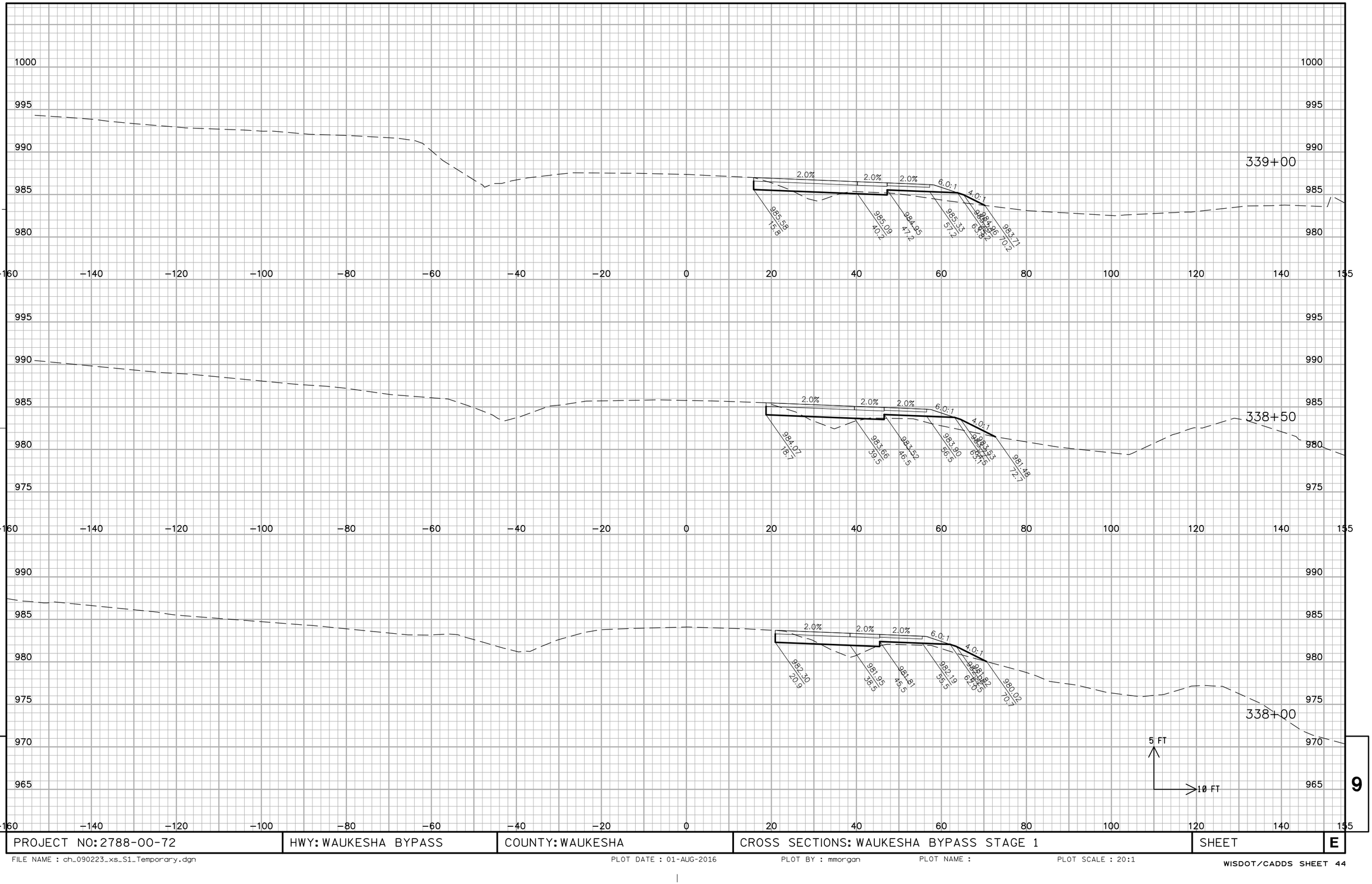
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



9

9

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

END ABRUPT

339+95

339+50

2.0%
2.0%
2.0%
6.0:1
4.0:1

986.78
15.3
986.28
40.5
986.14
47.5
986.52
57.5
985.01
70.1

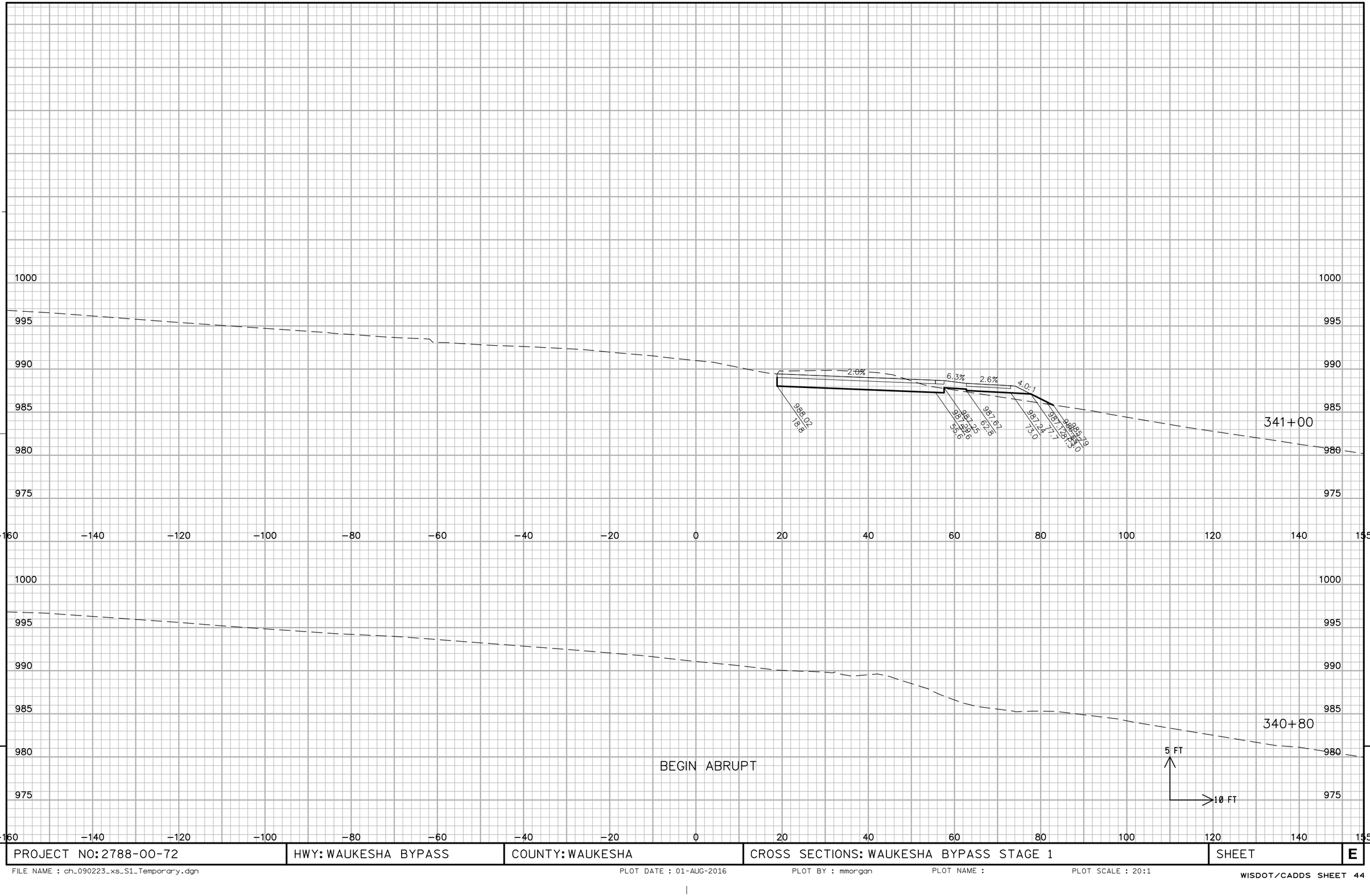
5 FT
10 FT

9

9

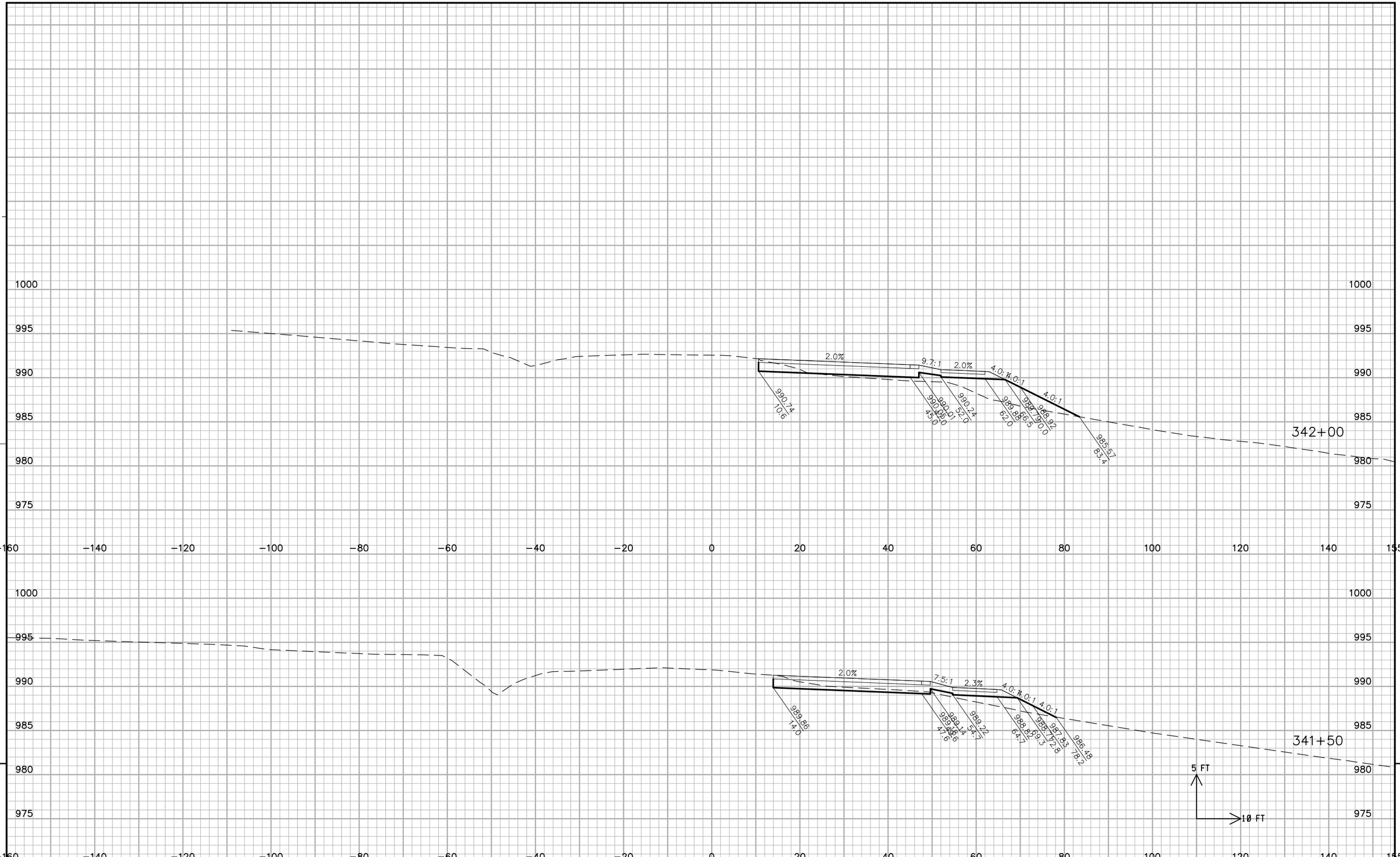
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

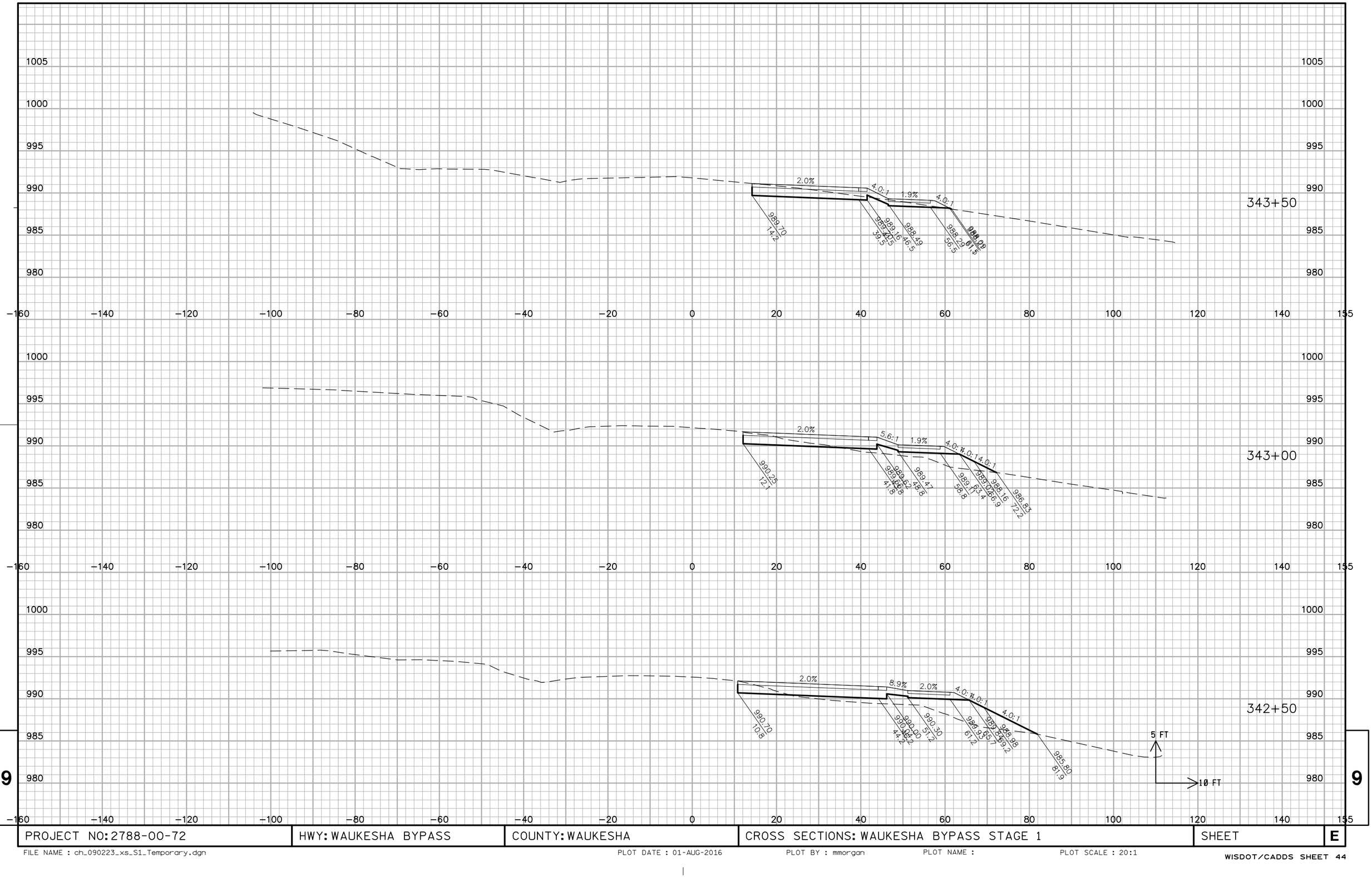
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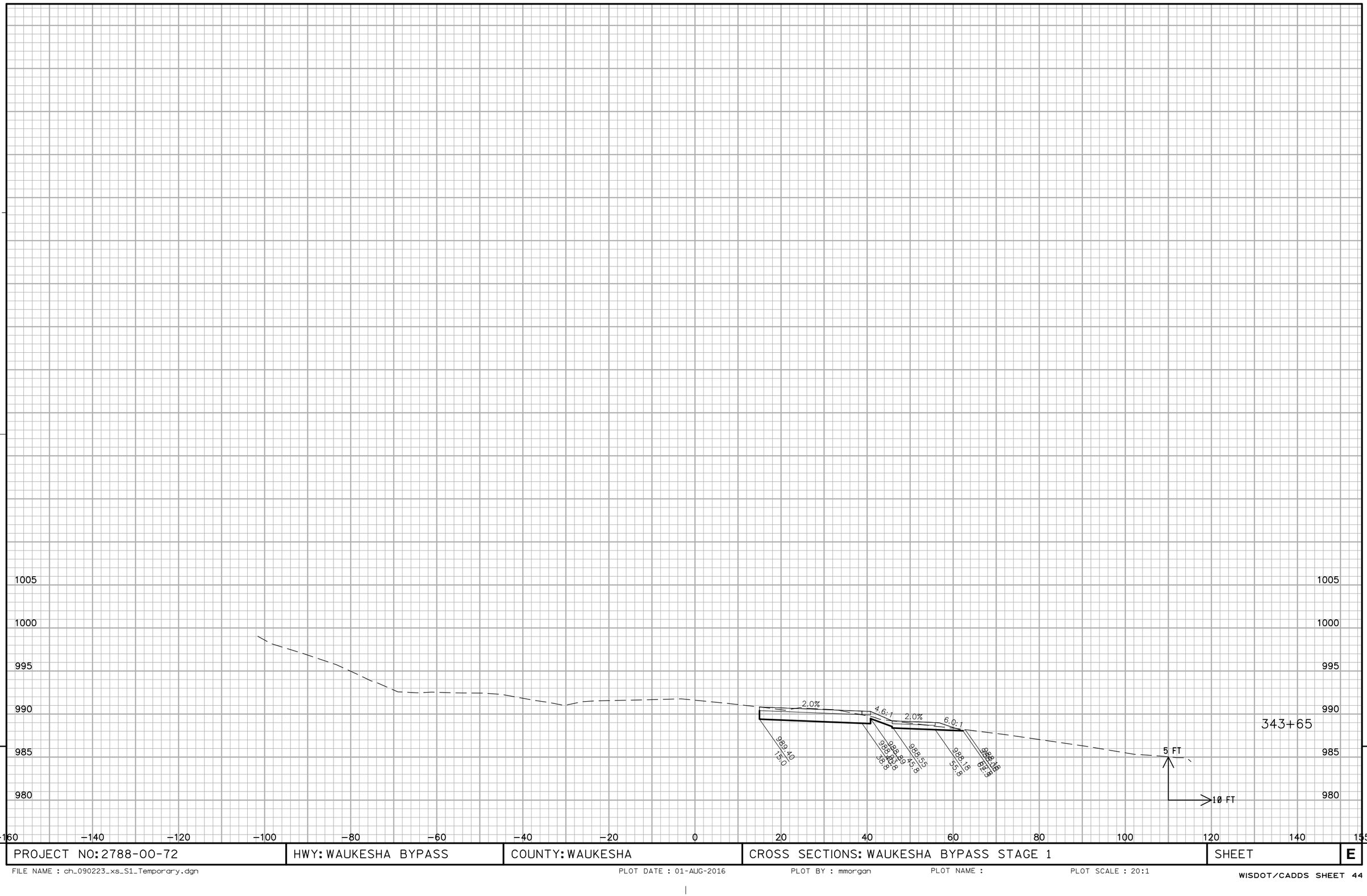
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

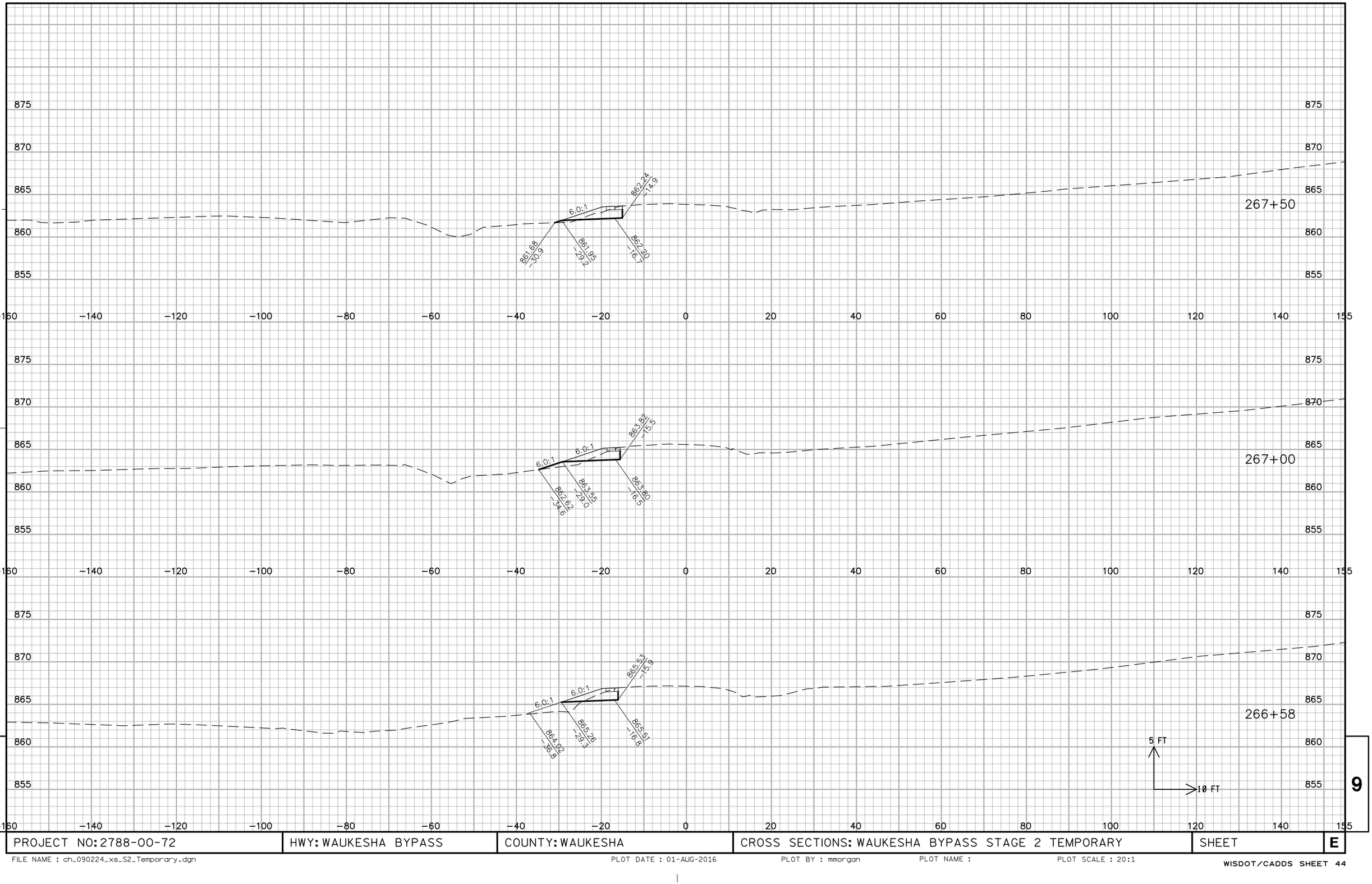


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 1	SHEET	E

FILE NAME : ch_090223_xs_S1_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

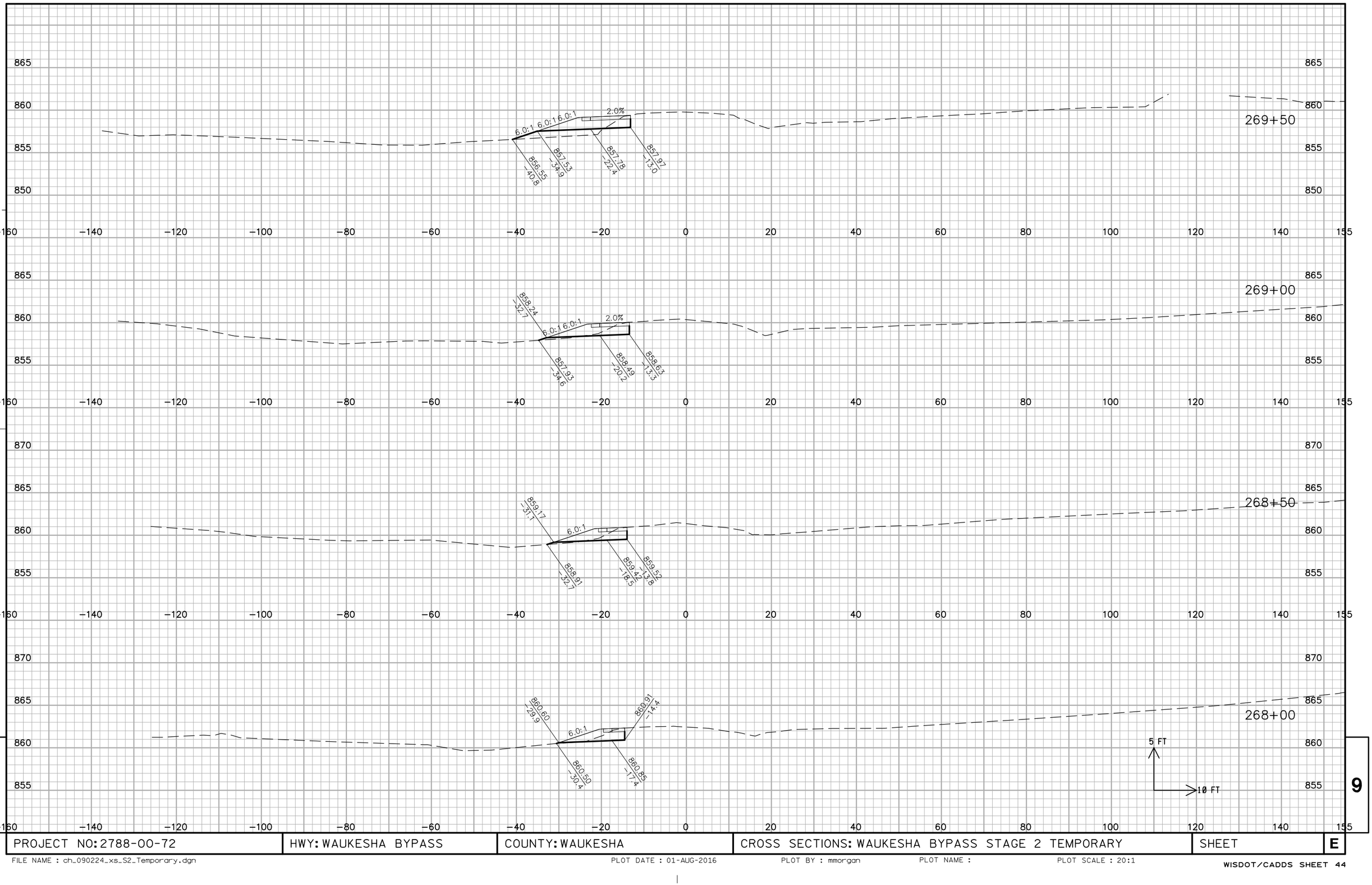


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

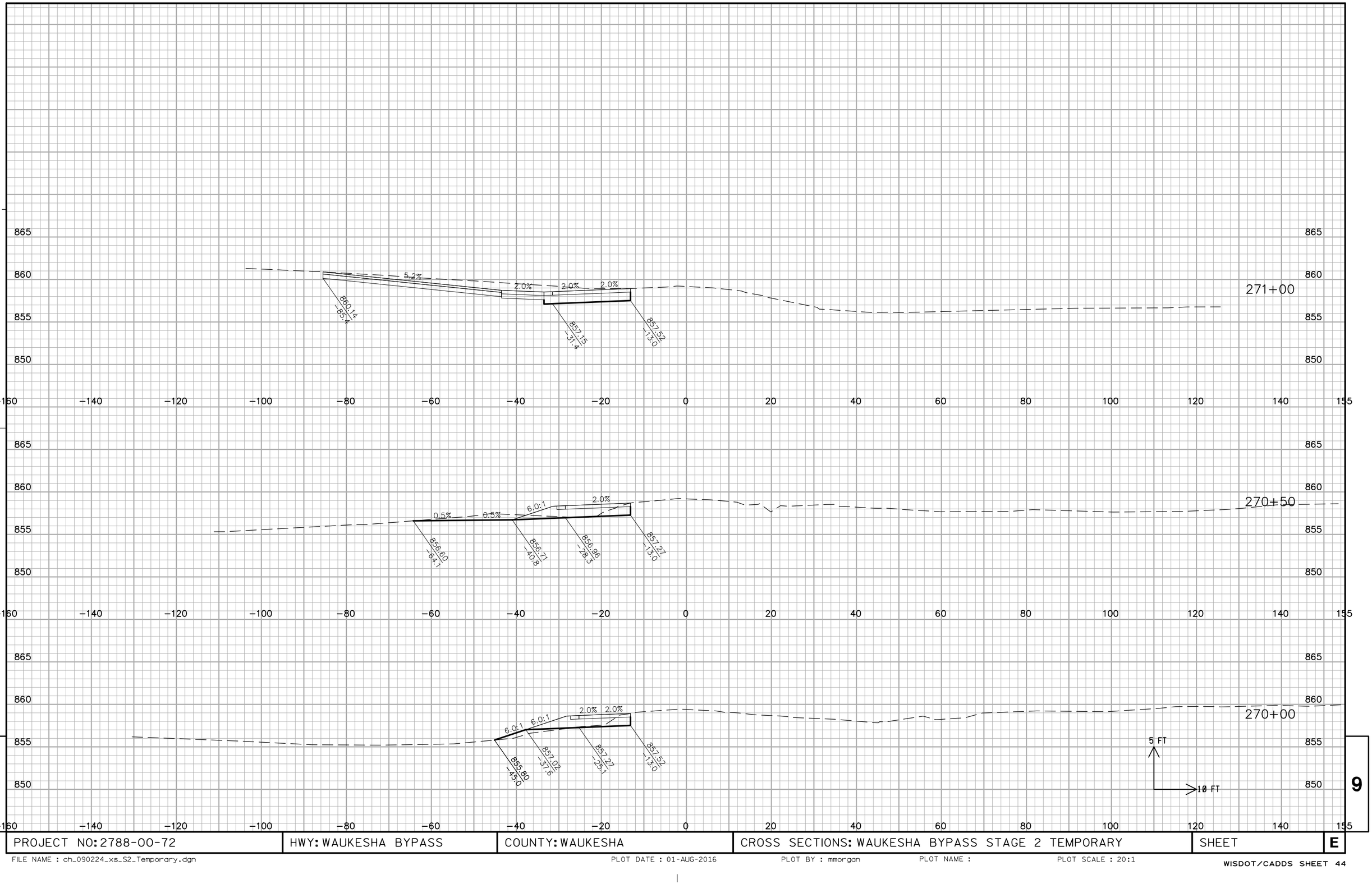
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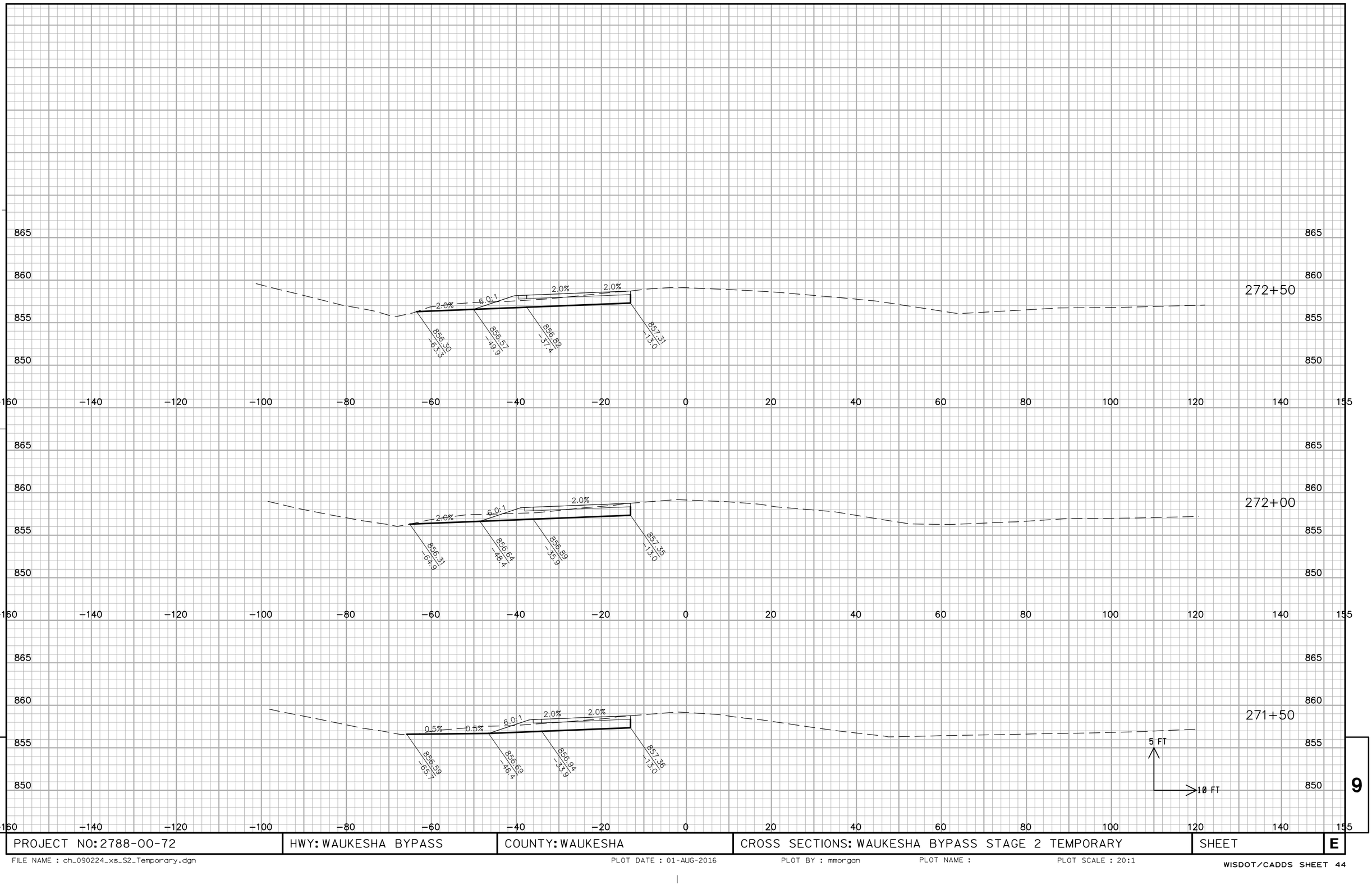
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

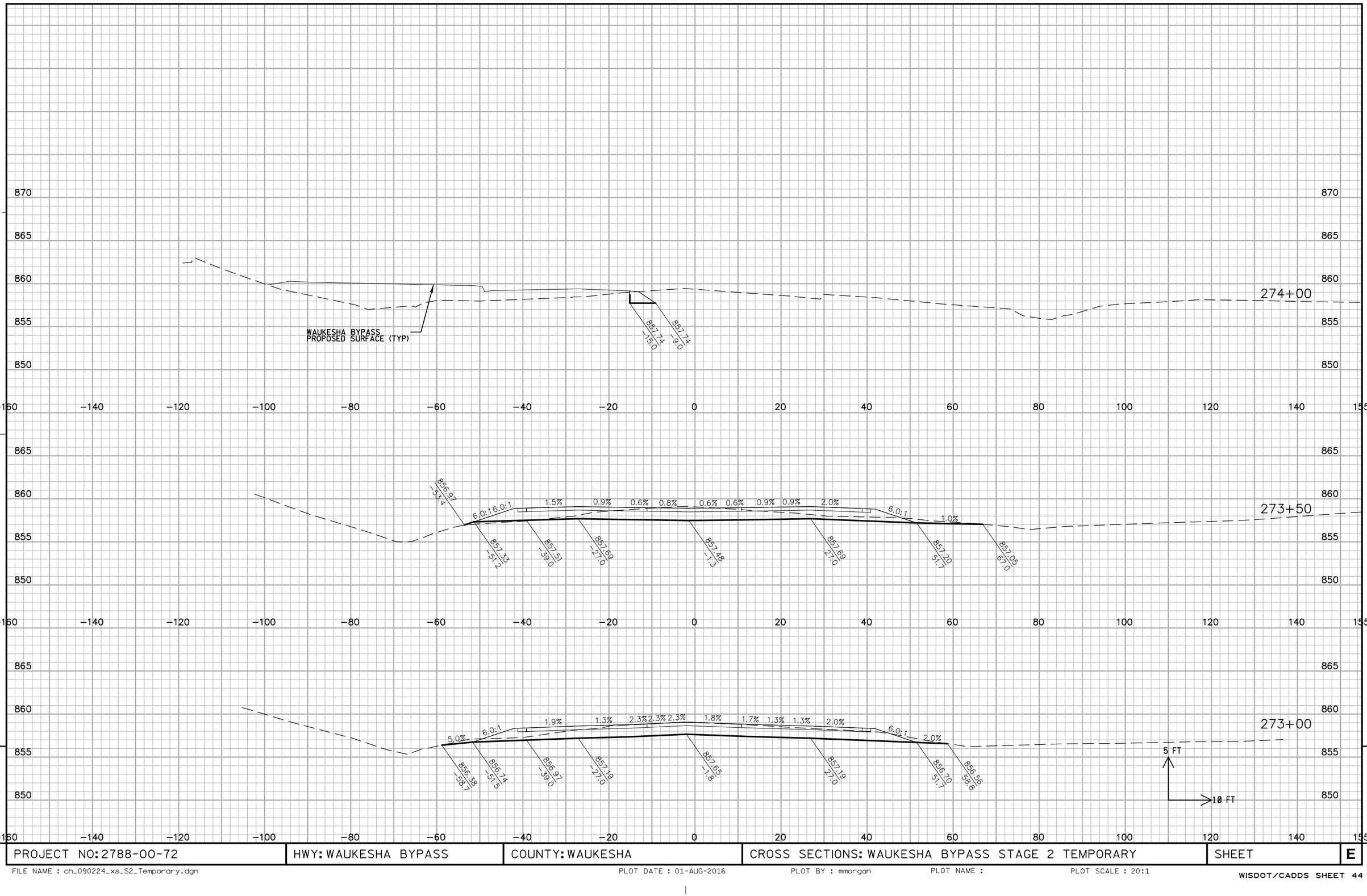


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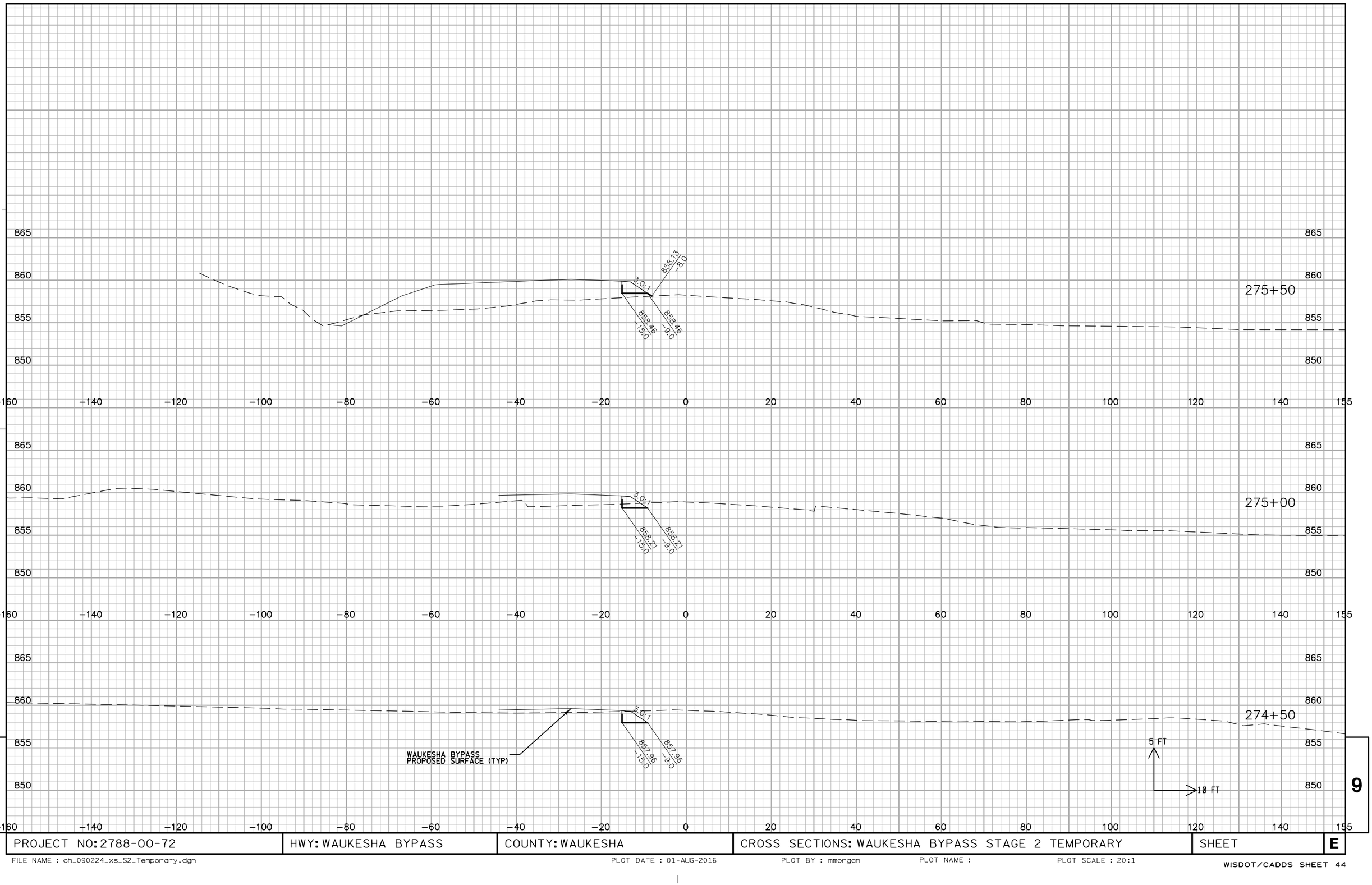
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FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

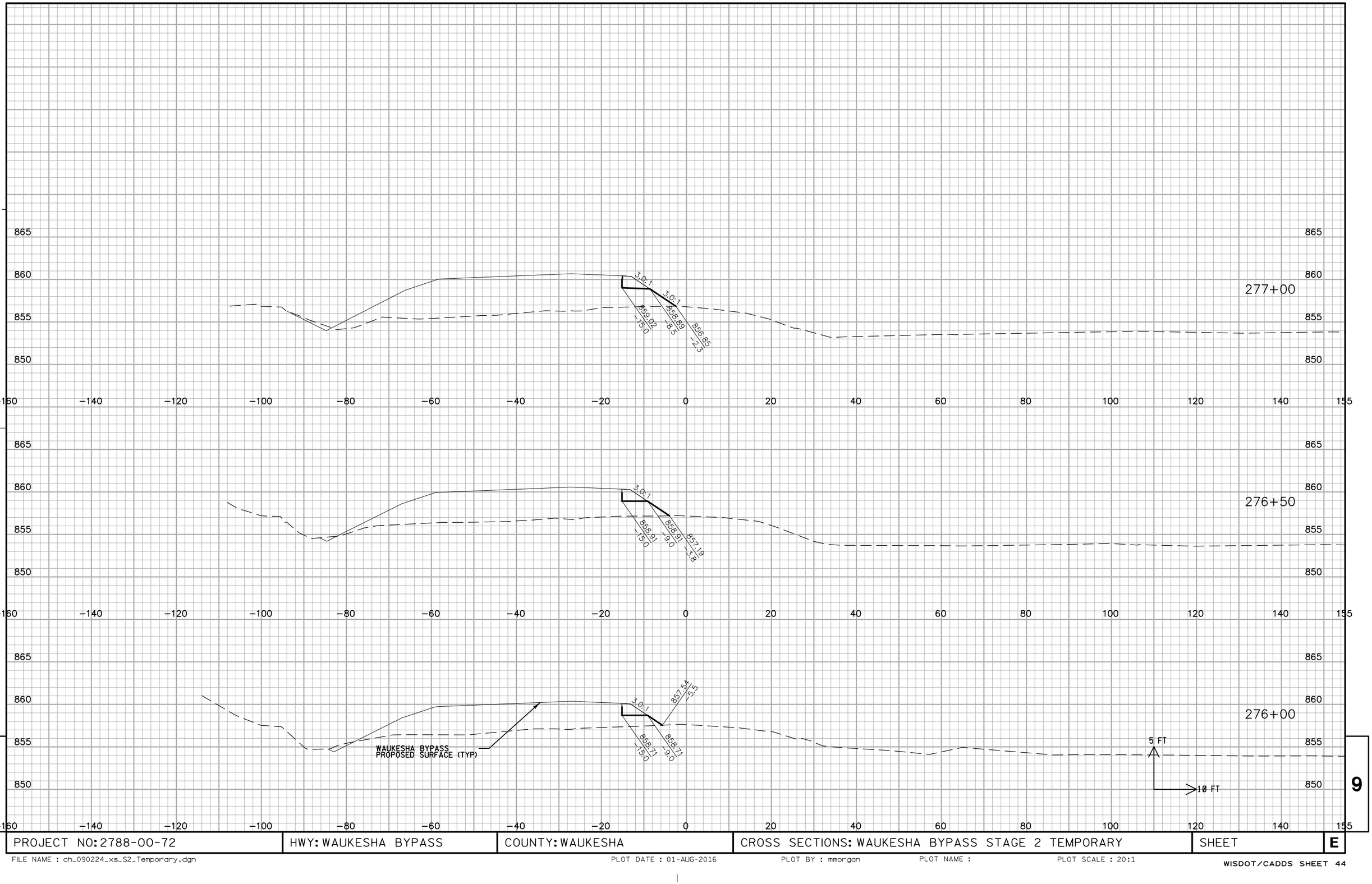


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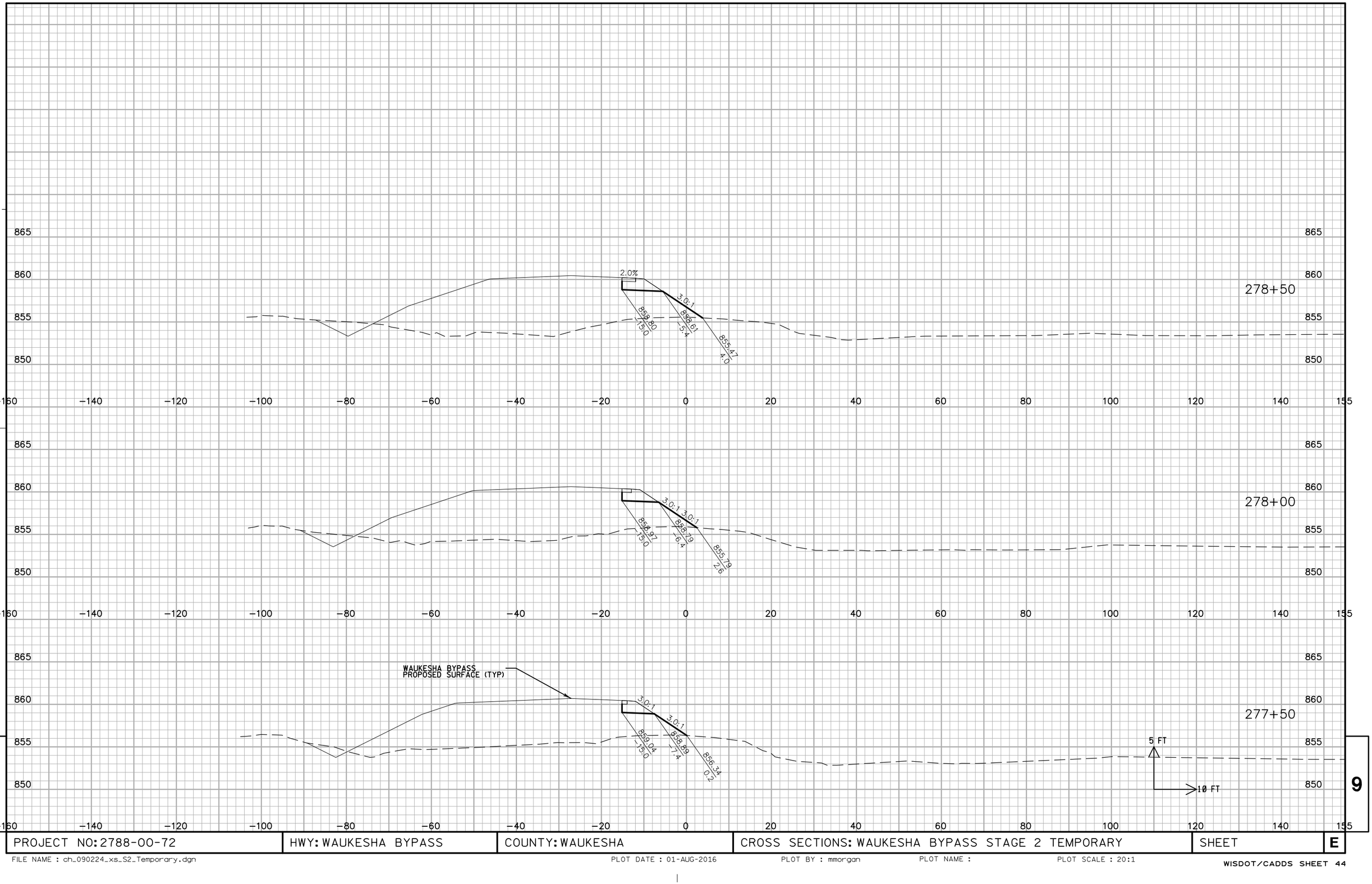
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FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

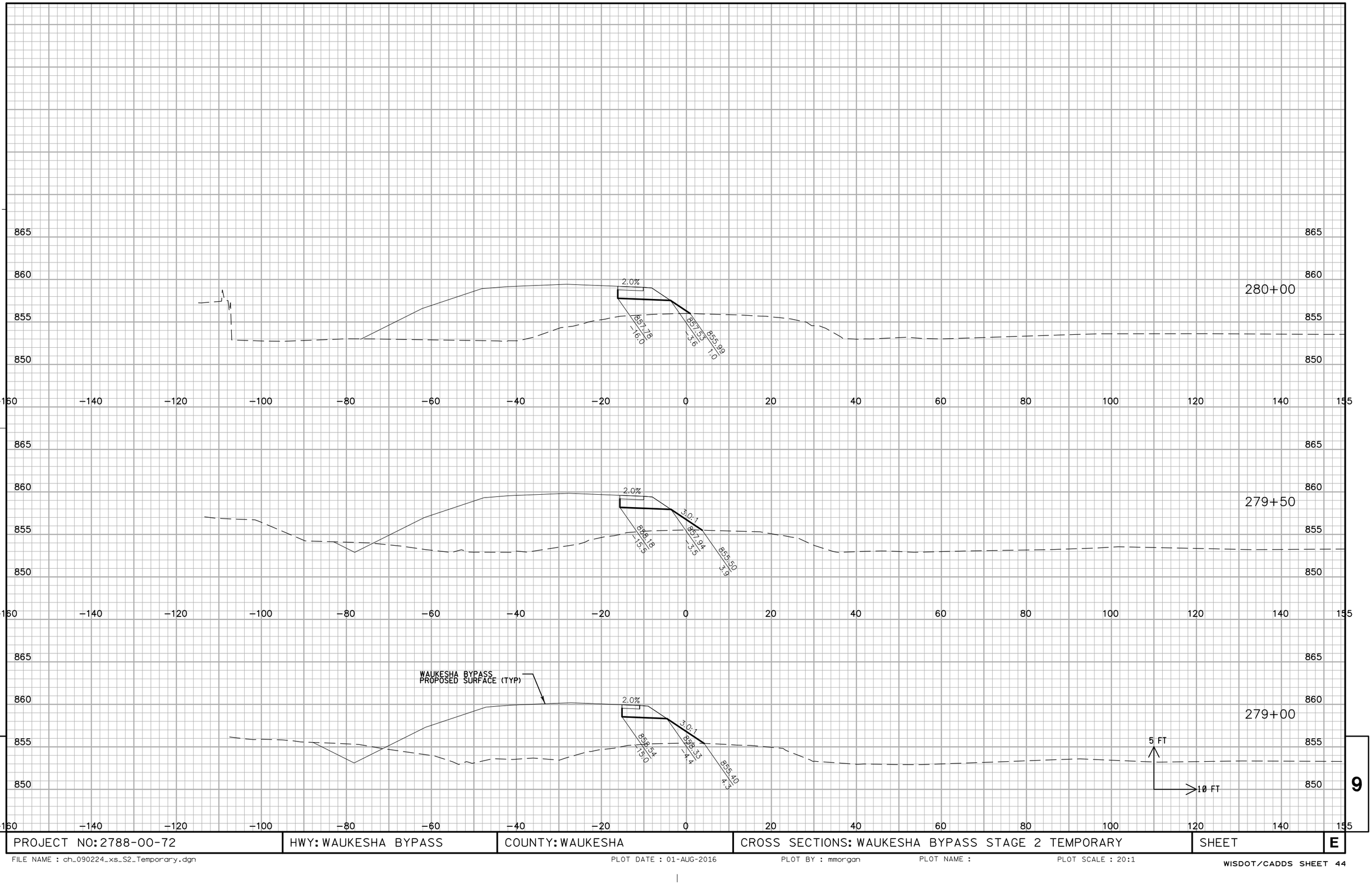


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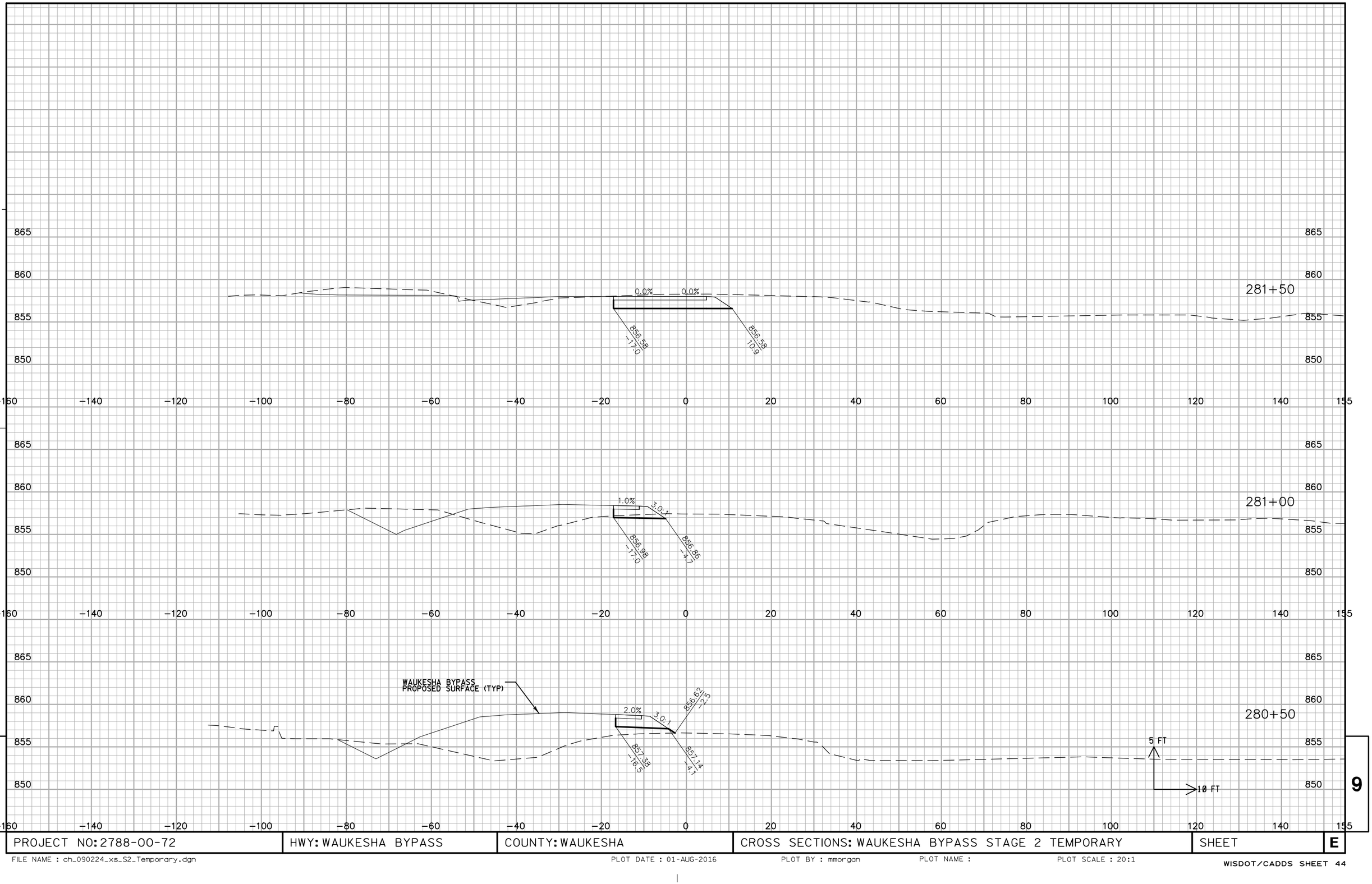
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



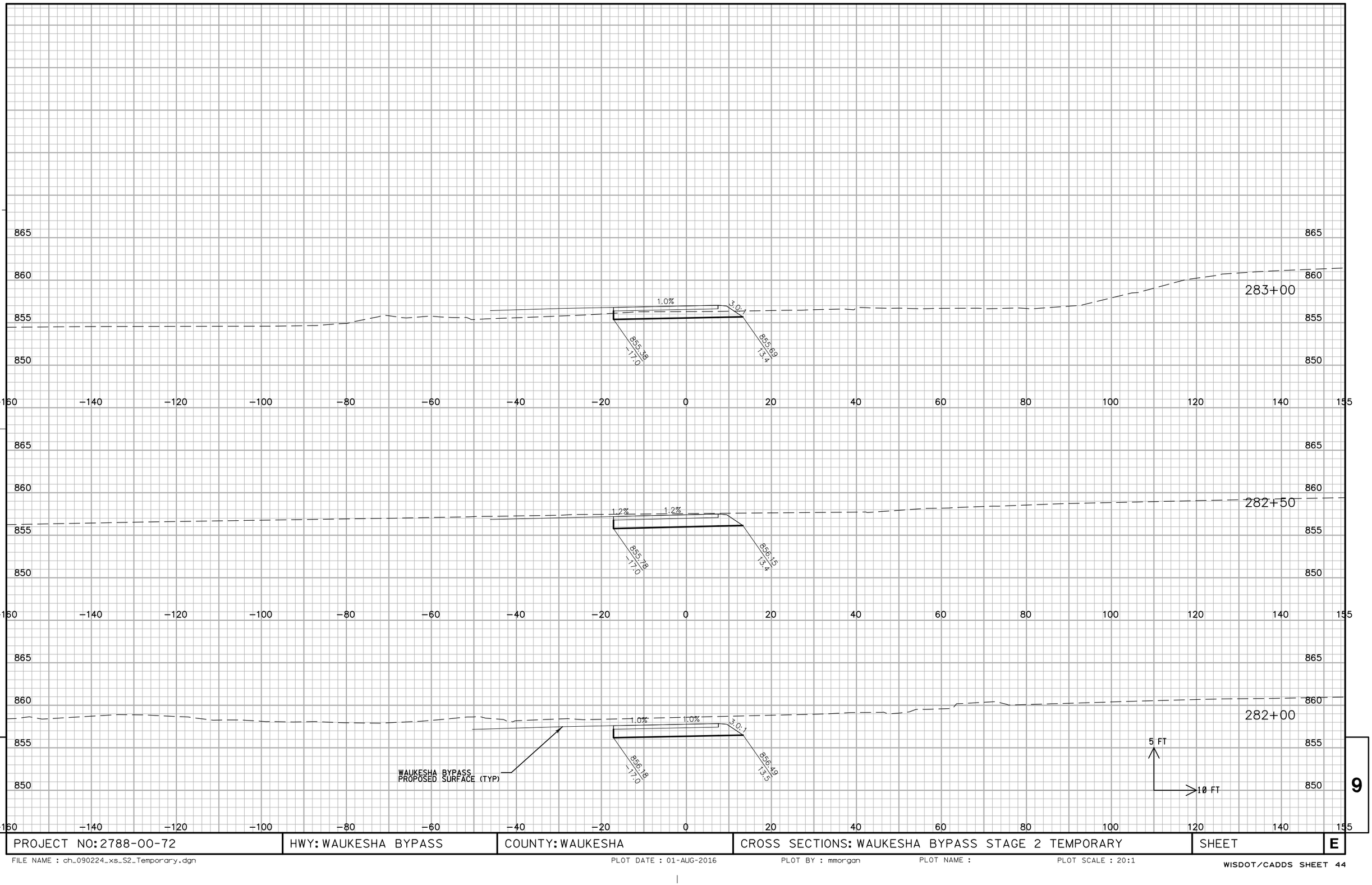
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FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

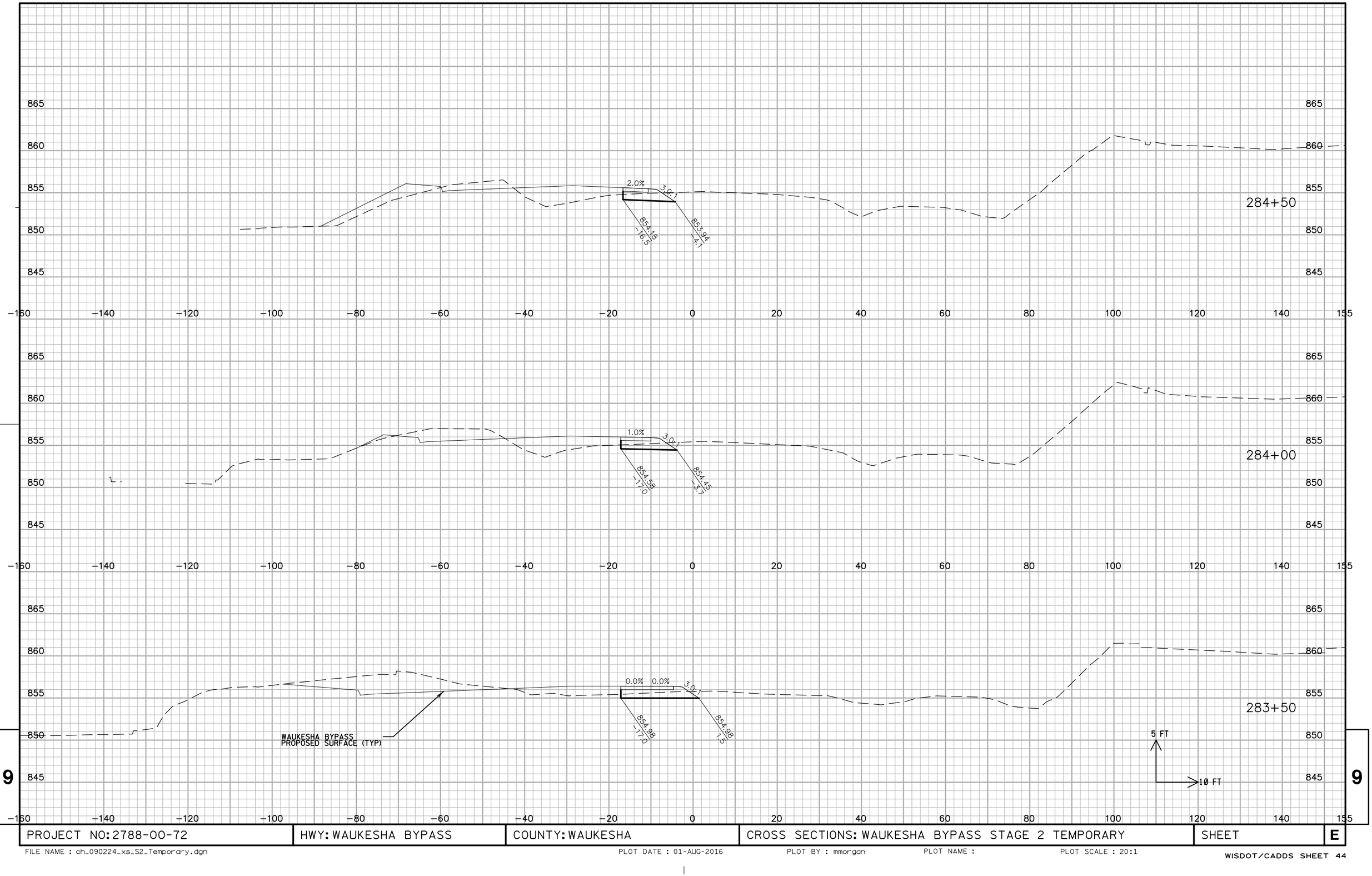
FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

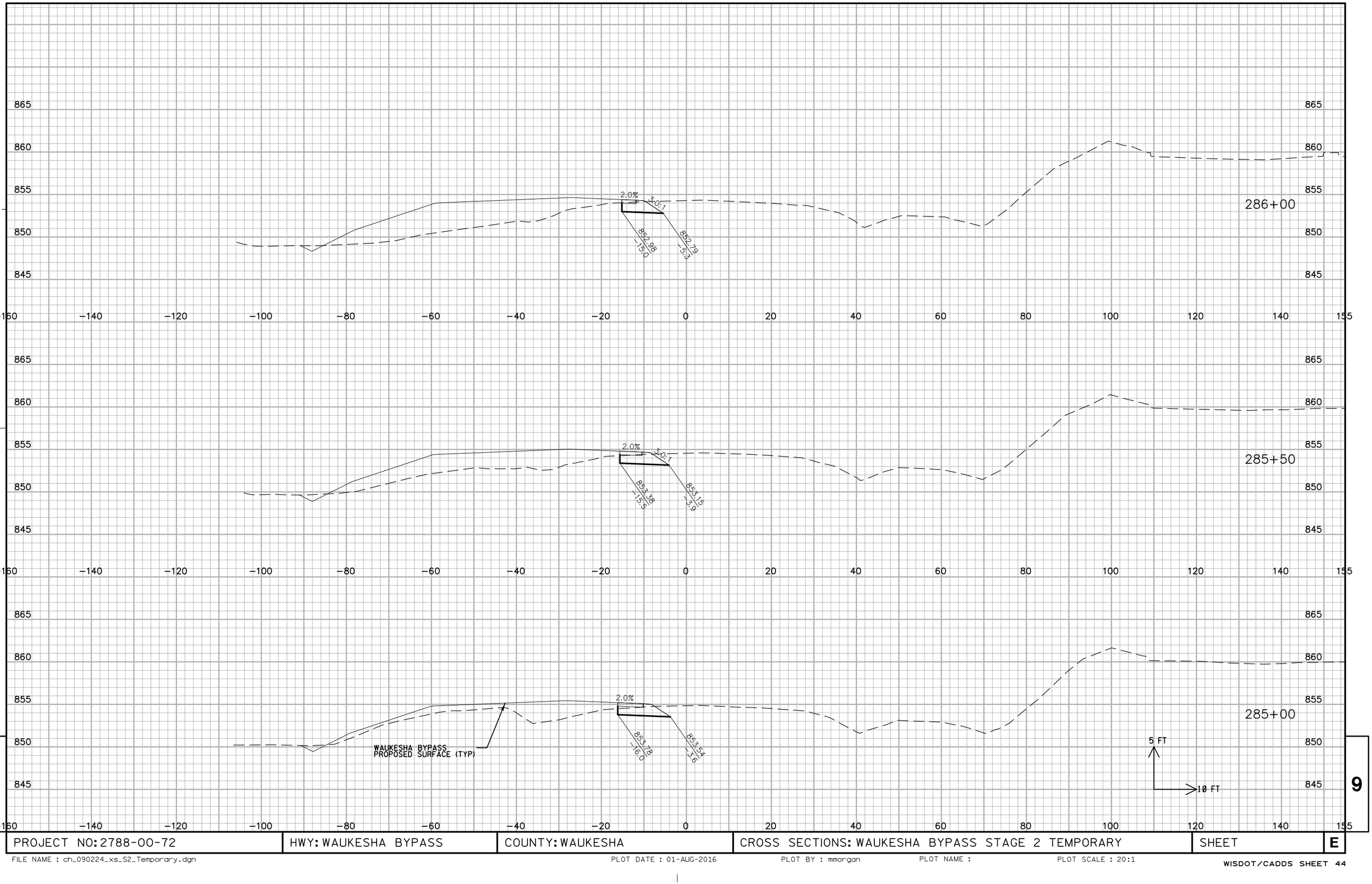


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

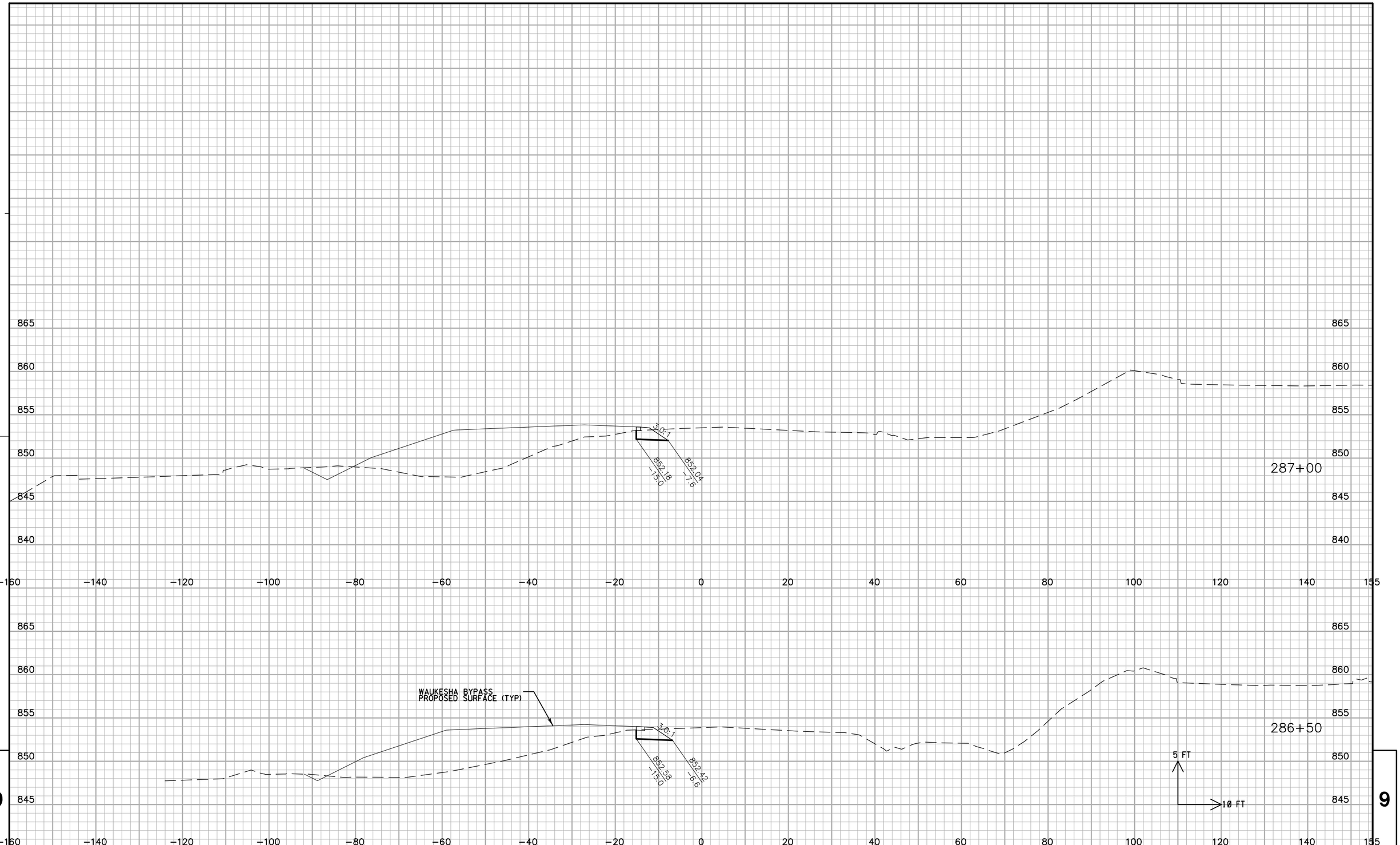
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

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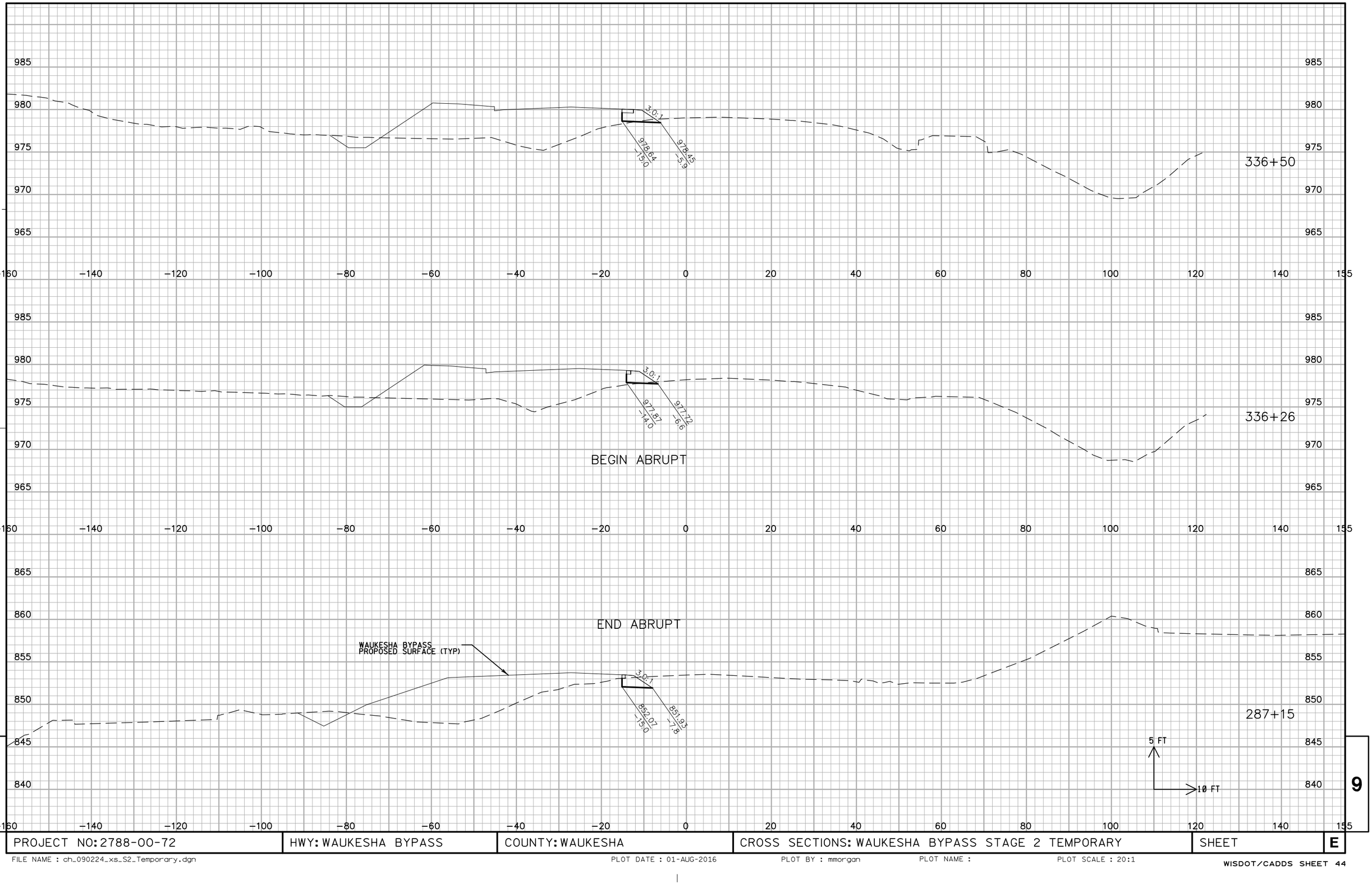


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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

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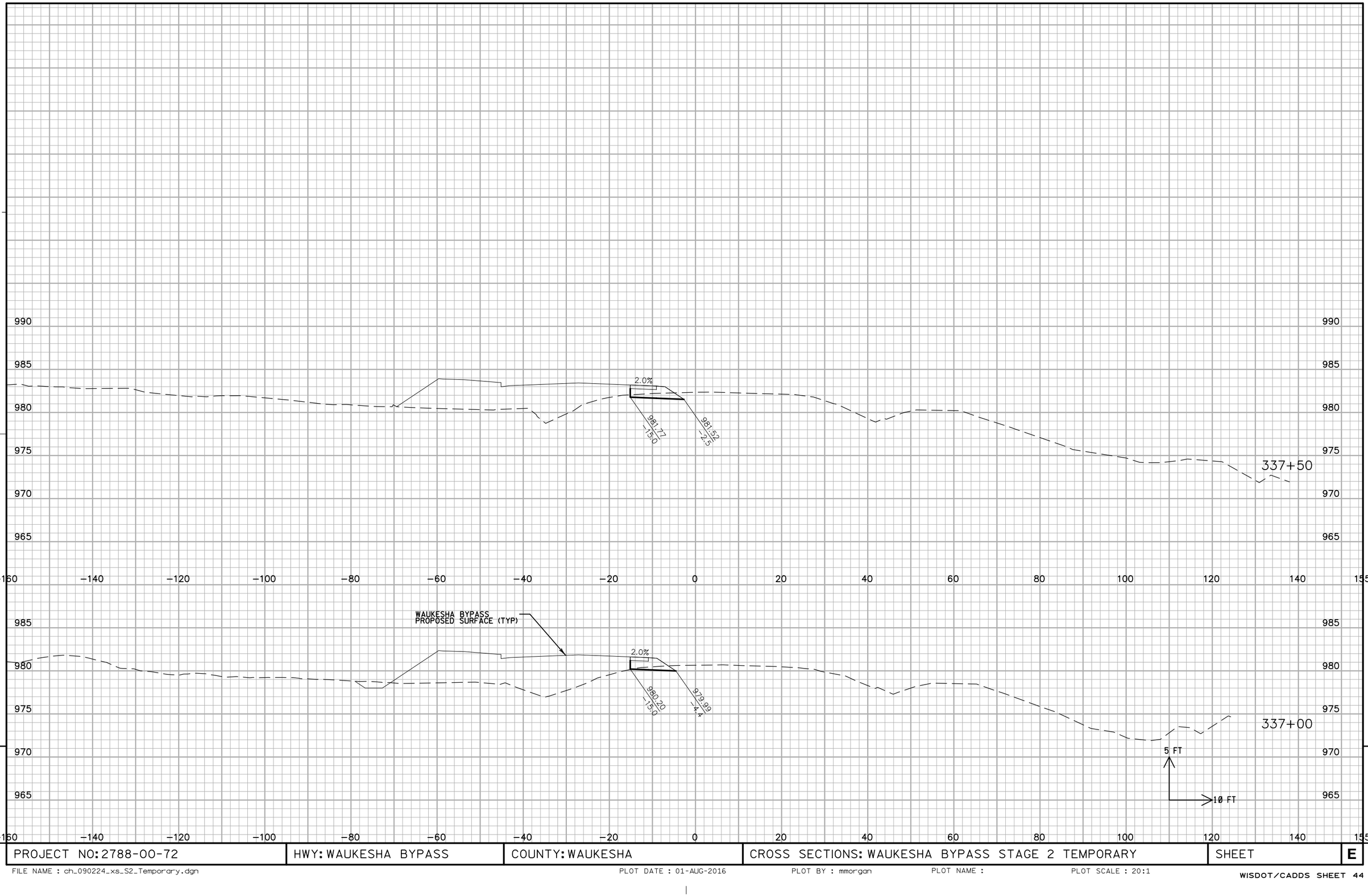
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET E

FILE NAME : ch_090224_xs_S2_Temporary.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44

339+00

2.0% 2.0% 3.0:1

986.45 15.0

986.16 0.6

338+50

2.0% 2.0% 3.0:1

984.91 15.0

984.62 0.6

WAUKESHA BYPASS
PROPOSED SURFACE (TYP)

338+00

2.0% 3.0:1

983.34 15.0

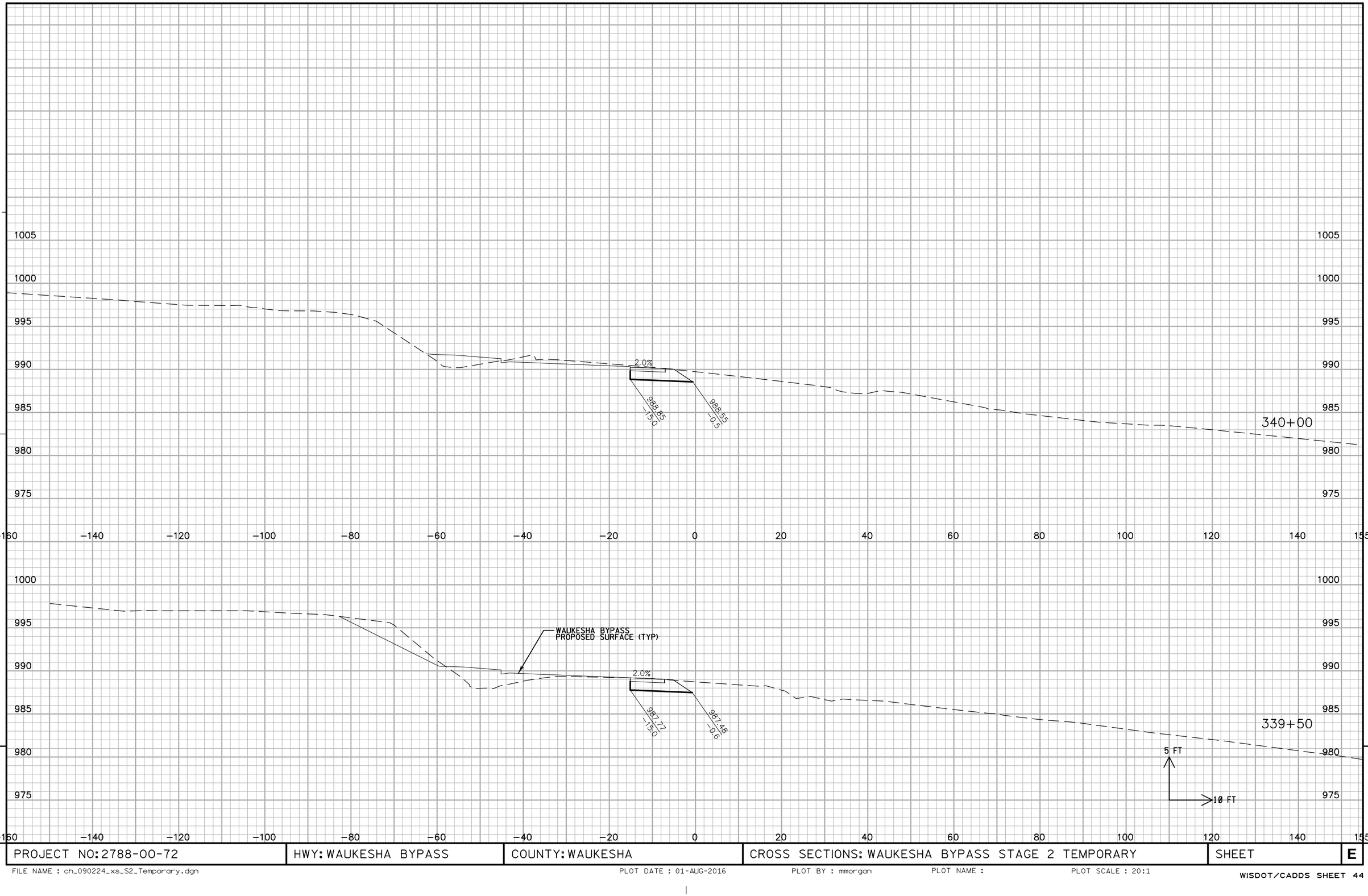
983.06 0.6

5 FT

10 FT

PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

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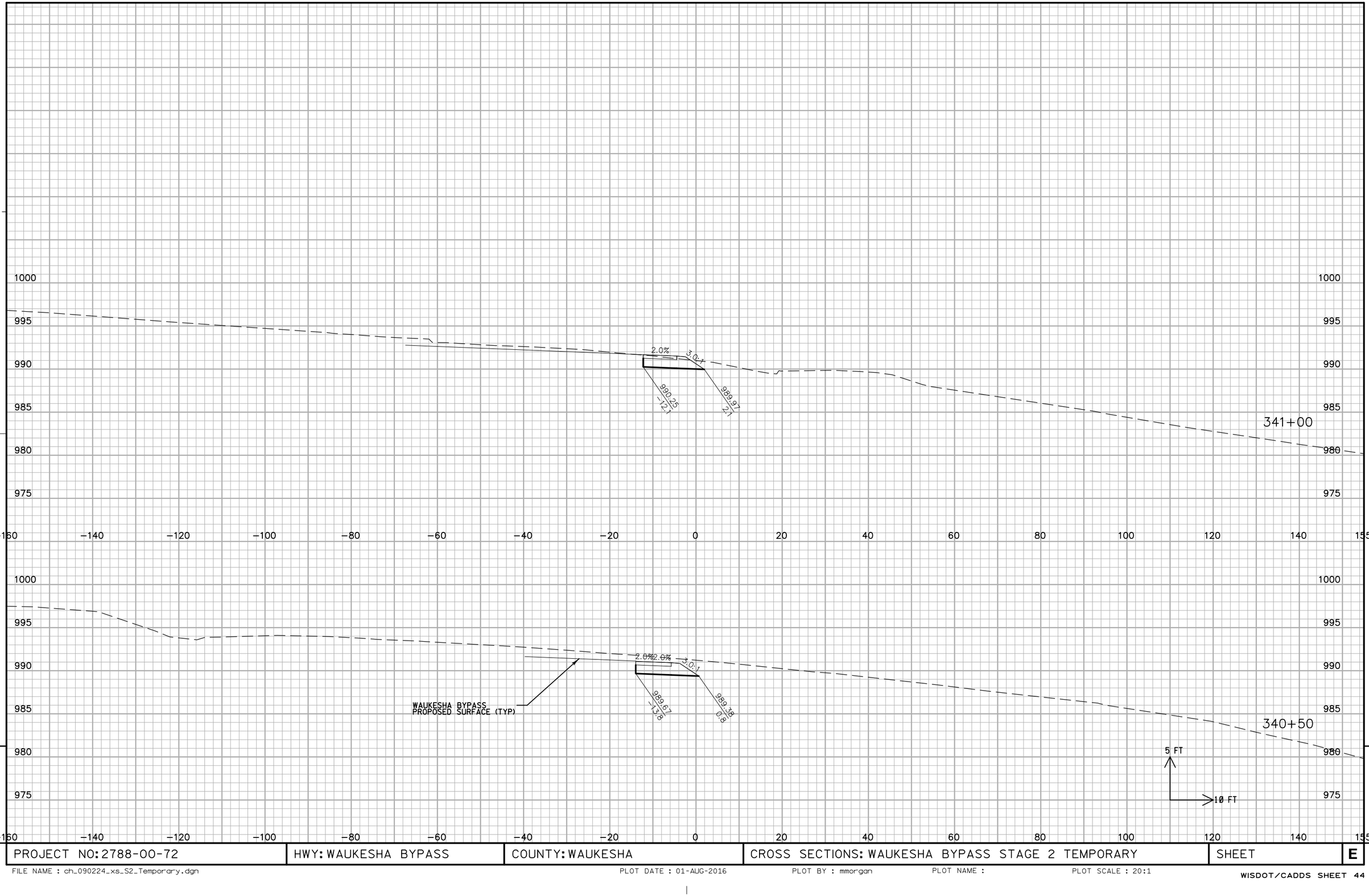


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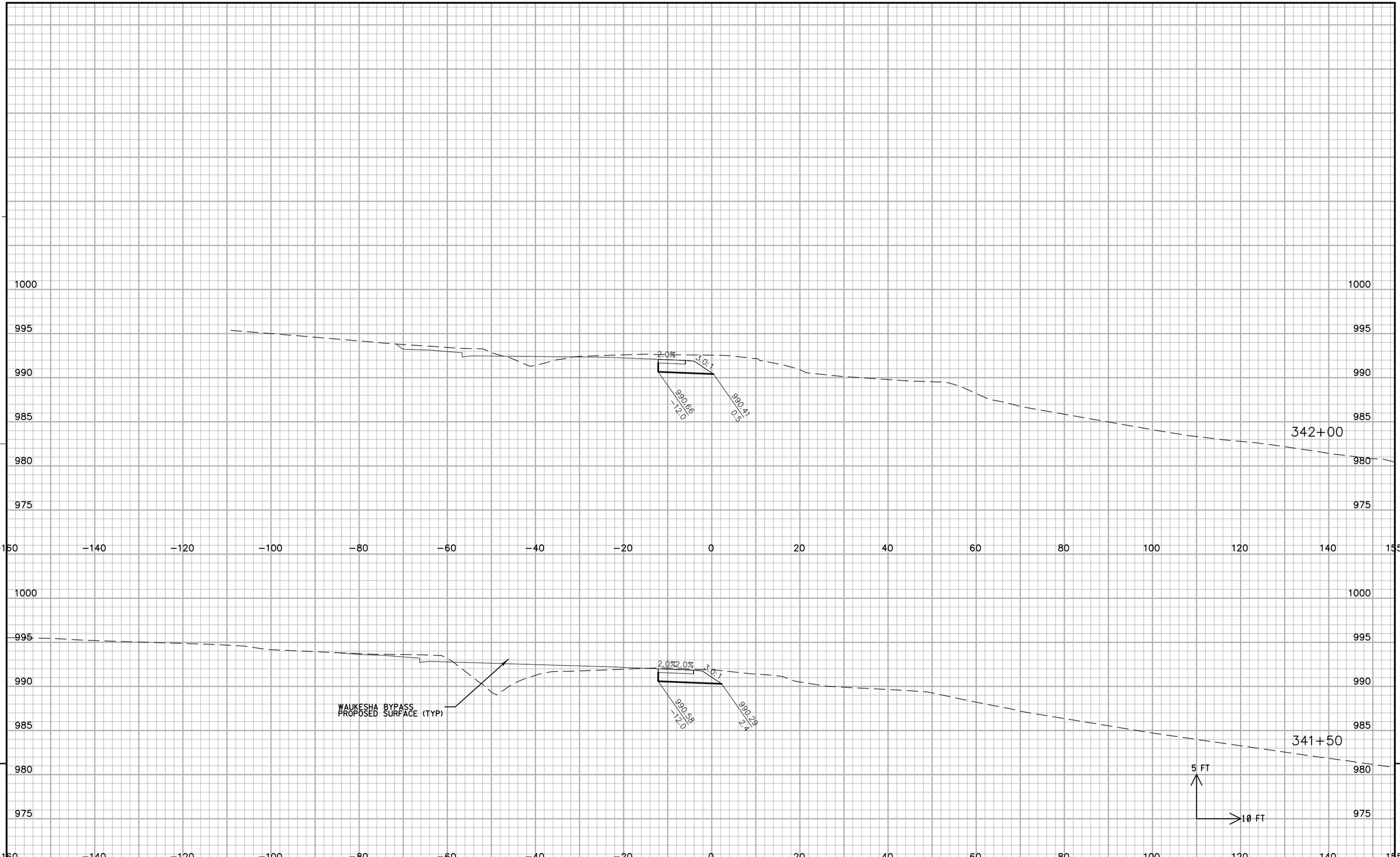
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

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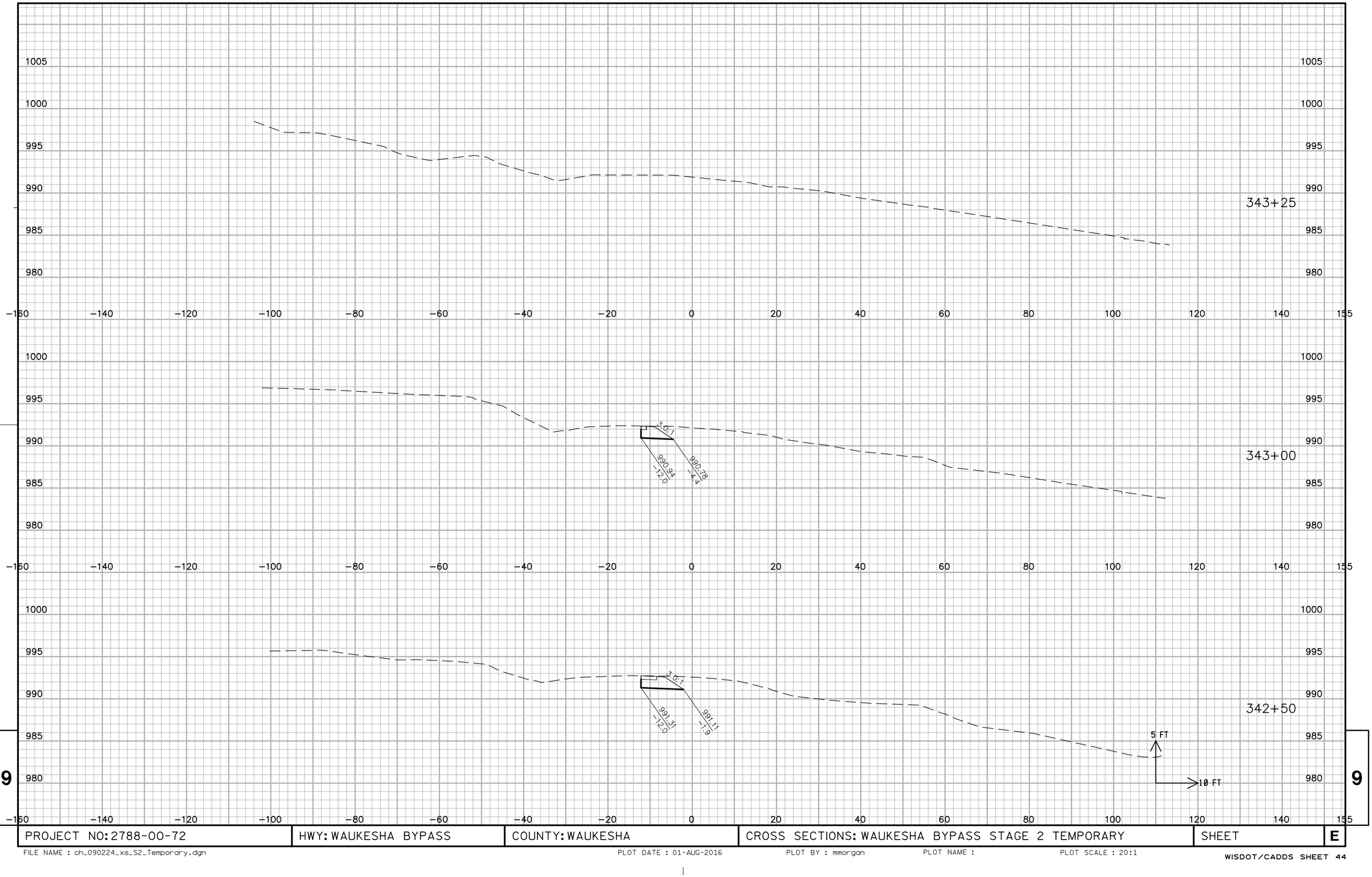


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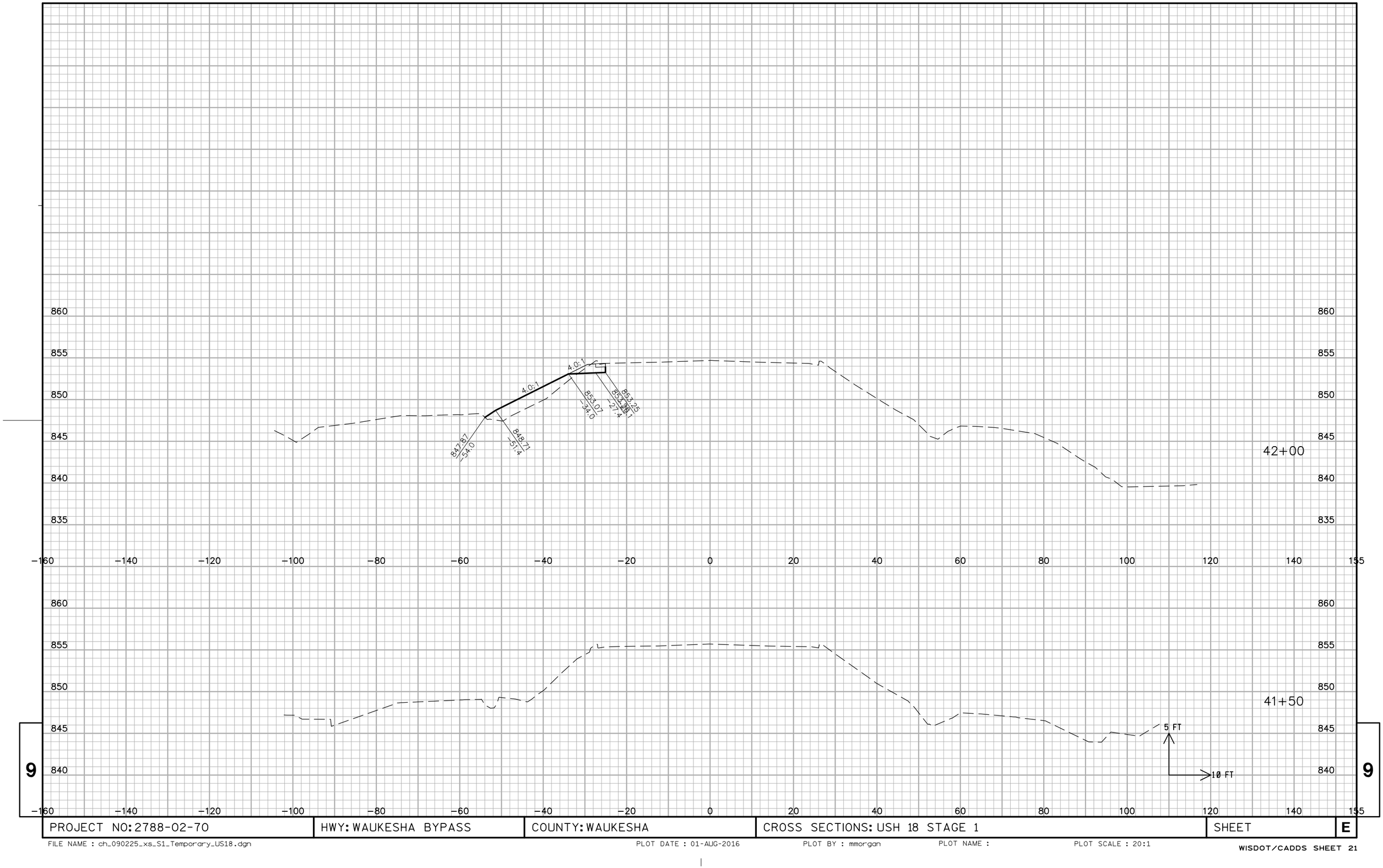
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PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS STAGE 2 TEMPORARY	SHEET	E

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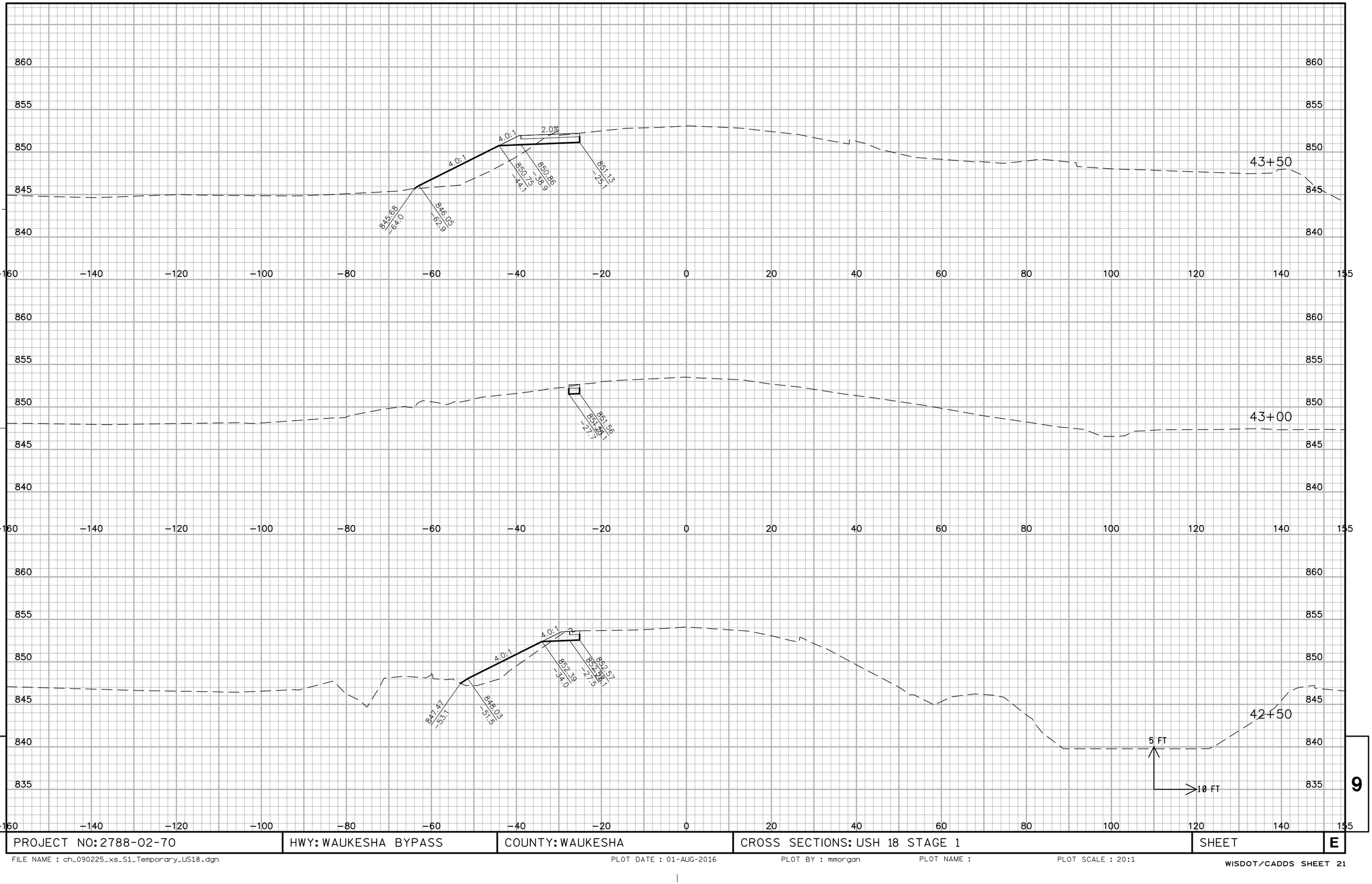


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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

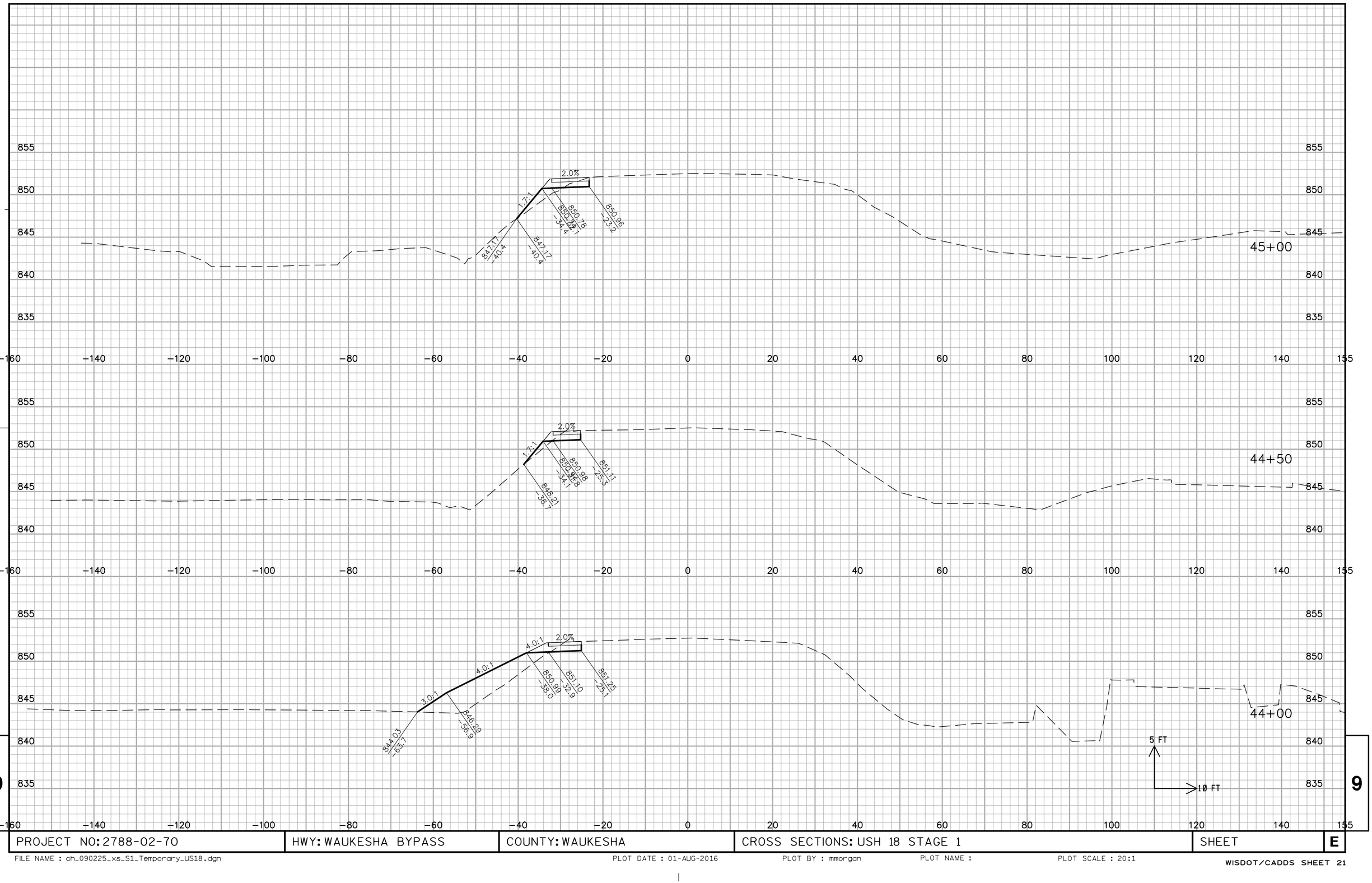
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

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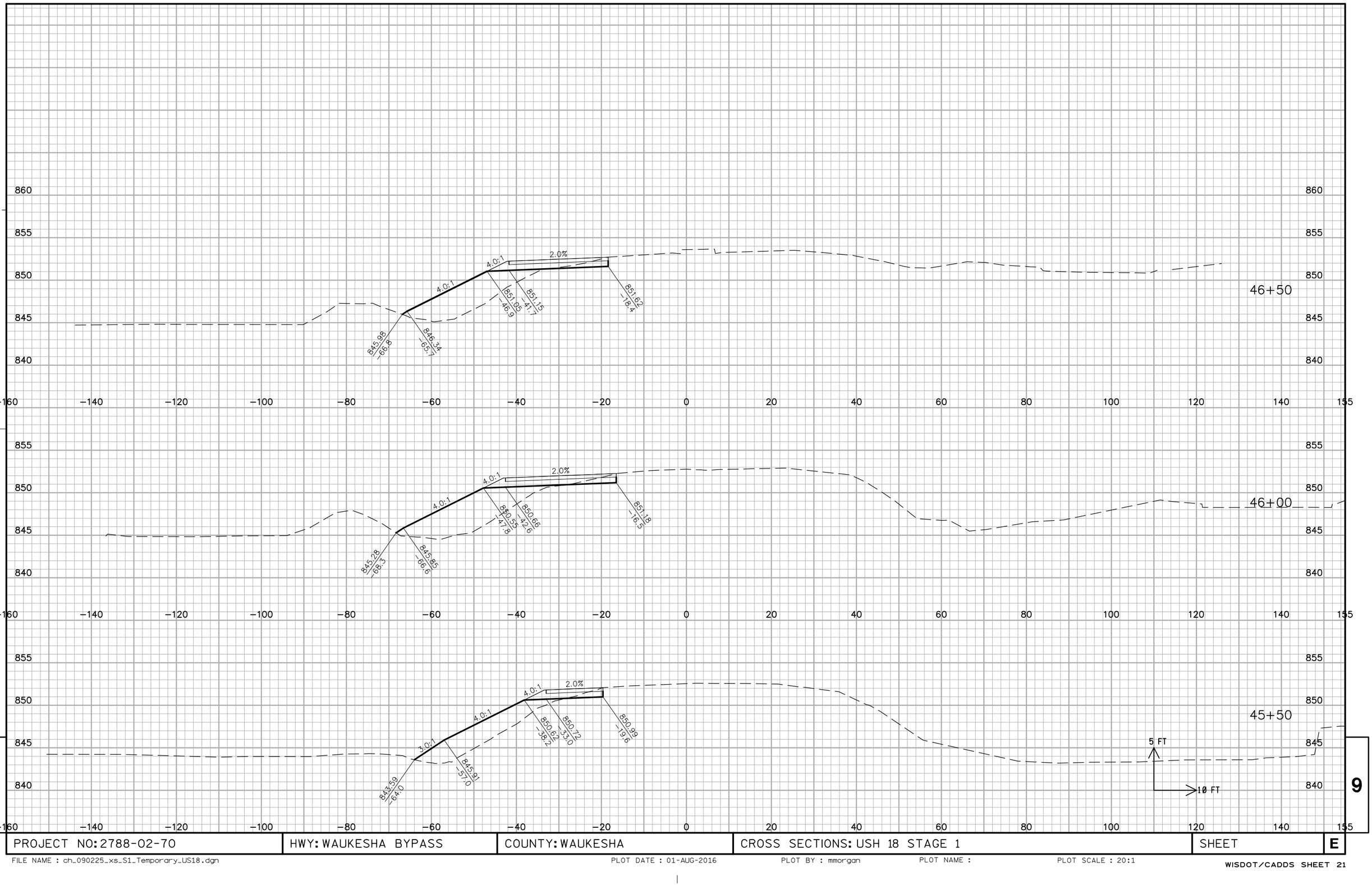
WISDOT/CADDS SHEET 21



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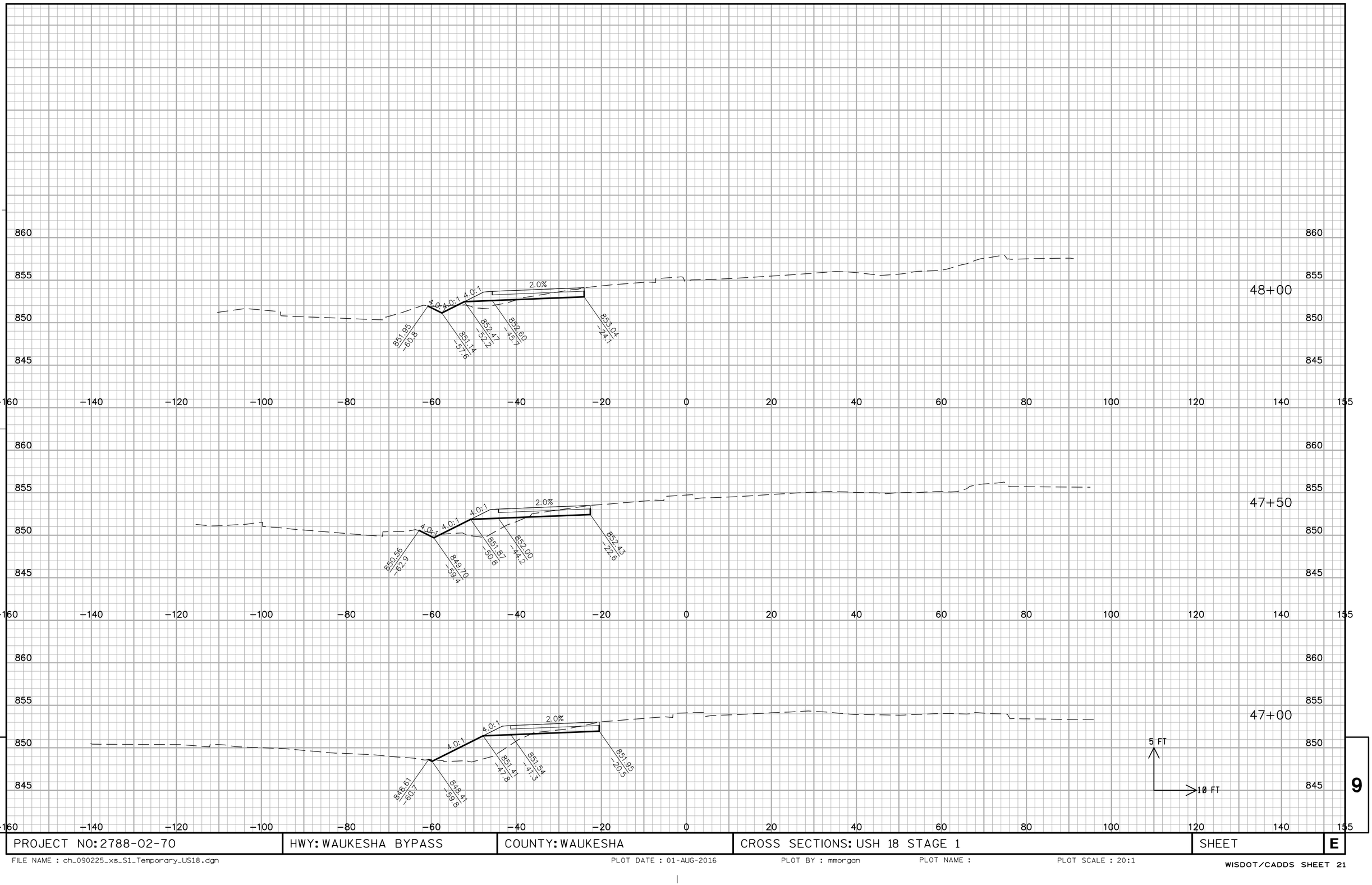
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WISDOT/CADDS SHEET 21



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

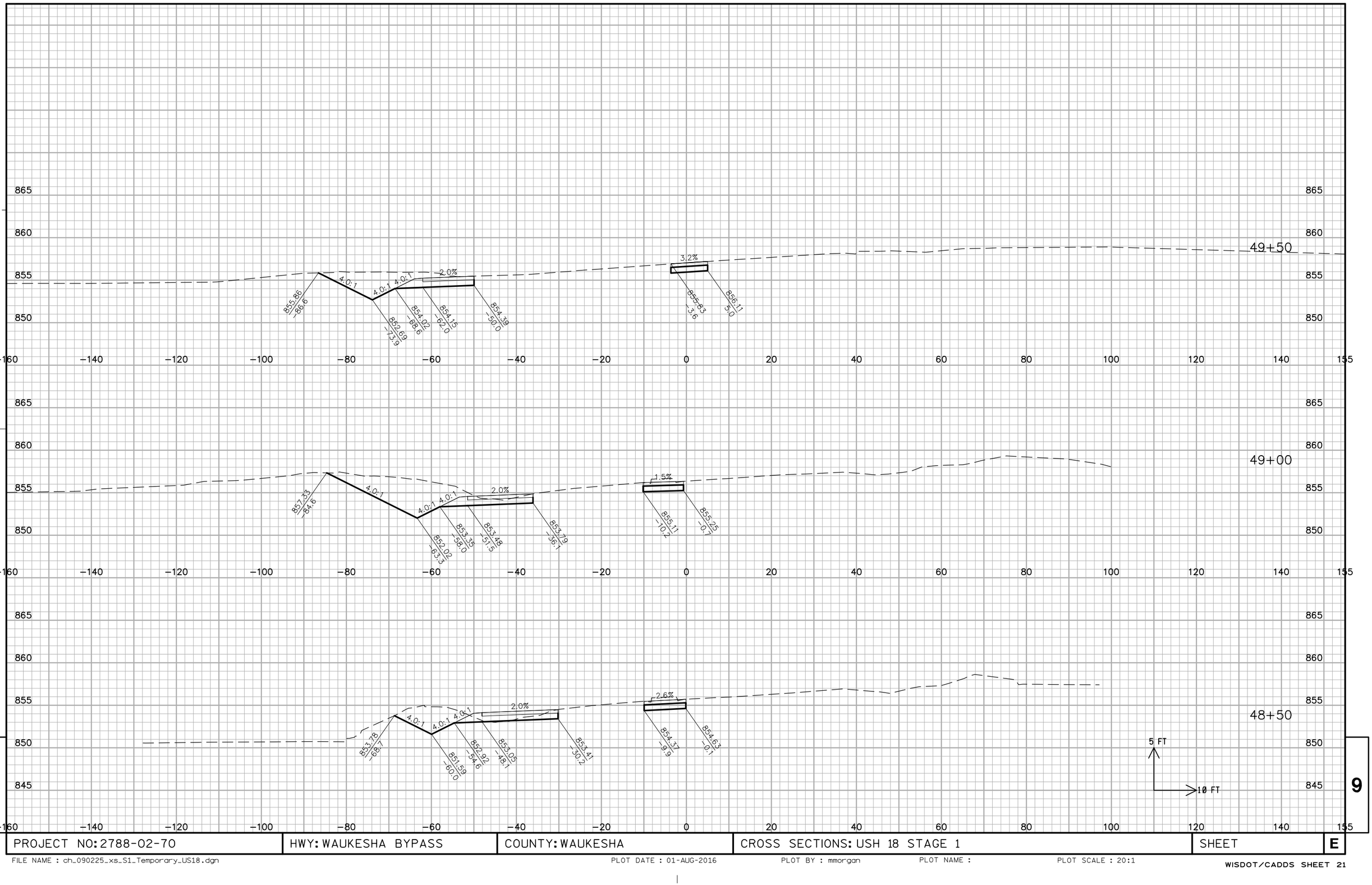
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

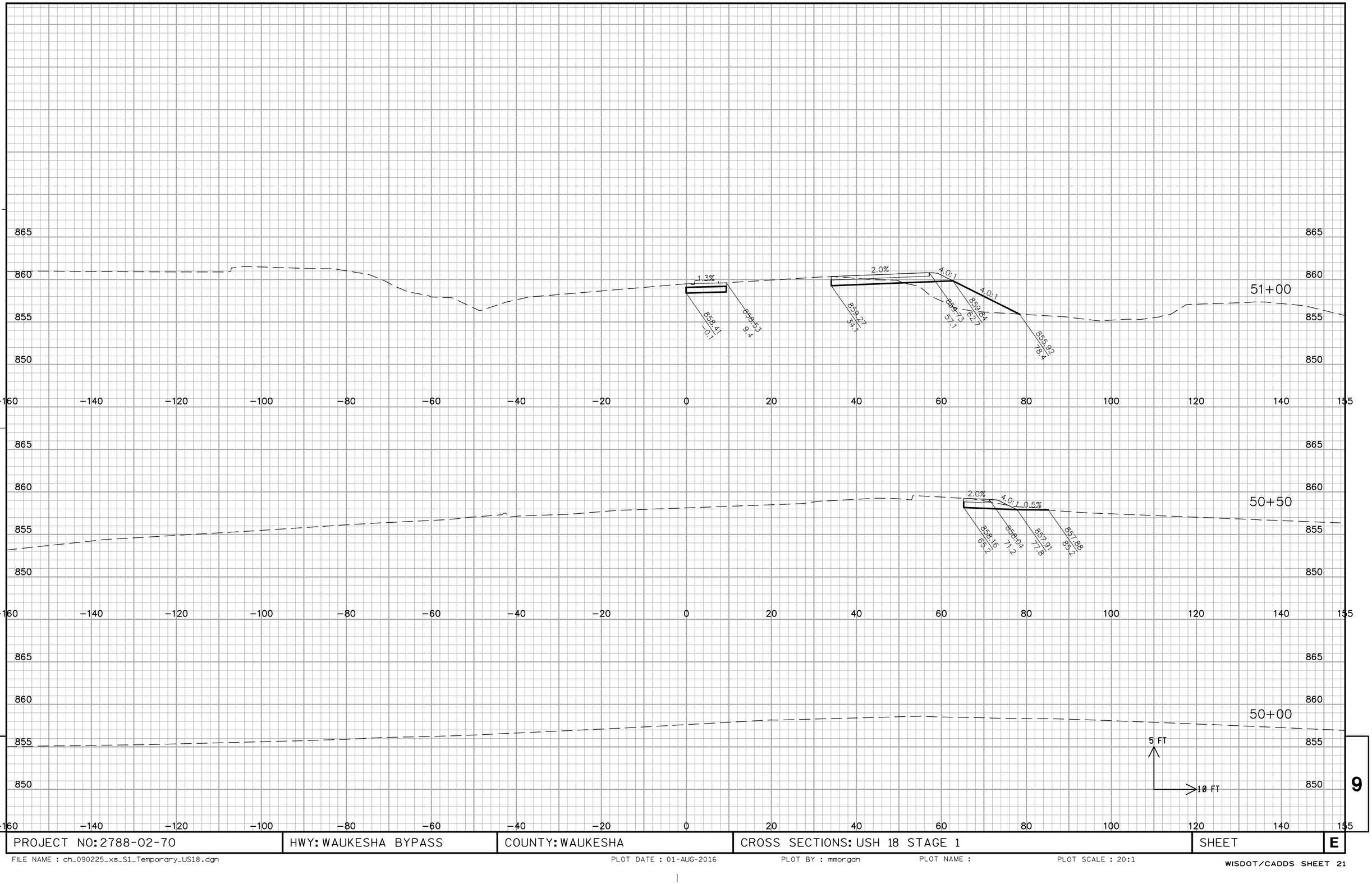


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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

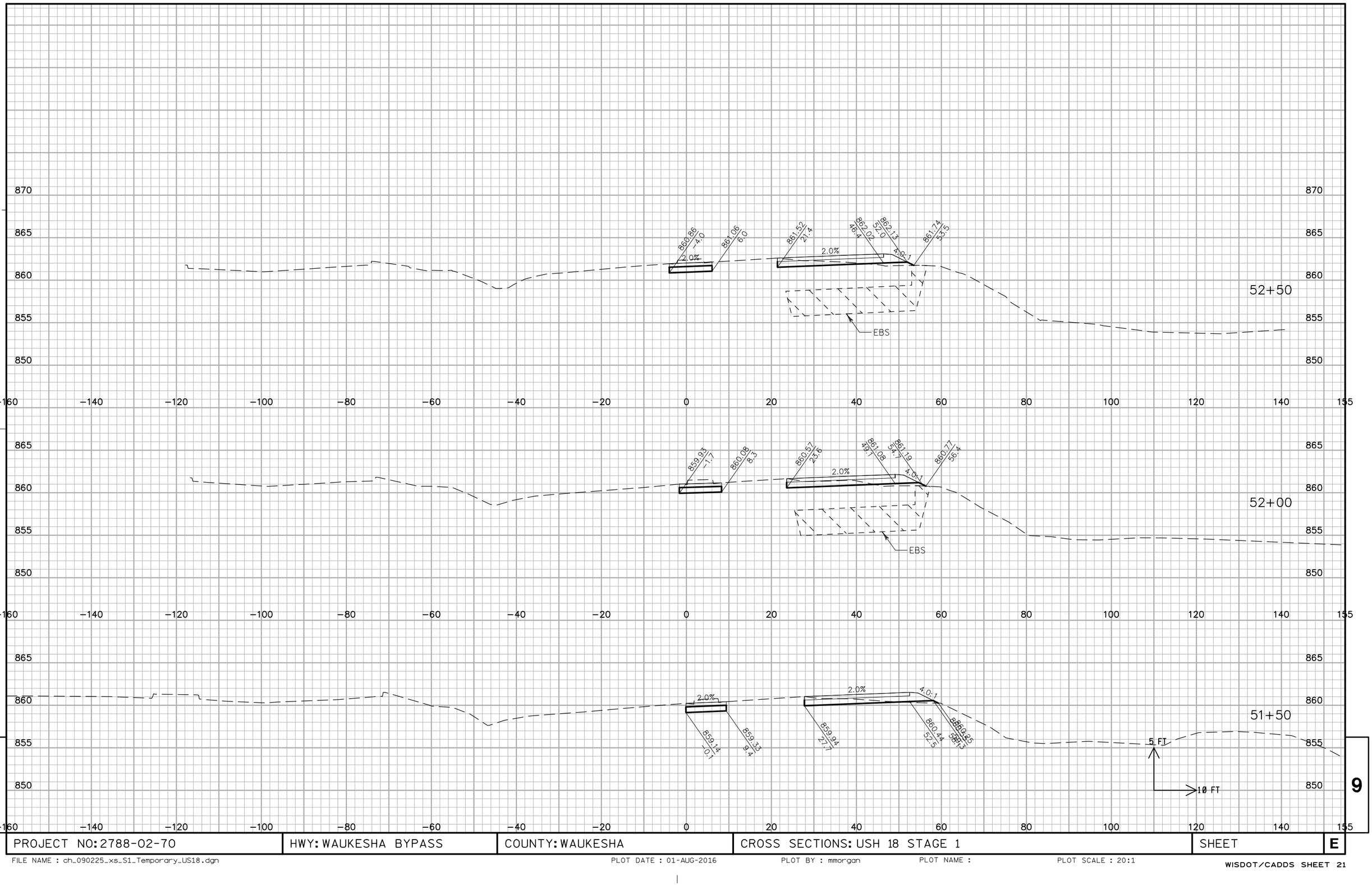
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

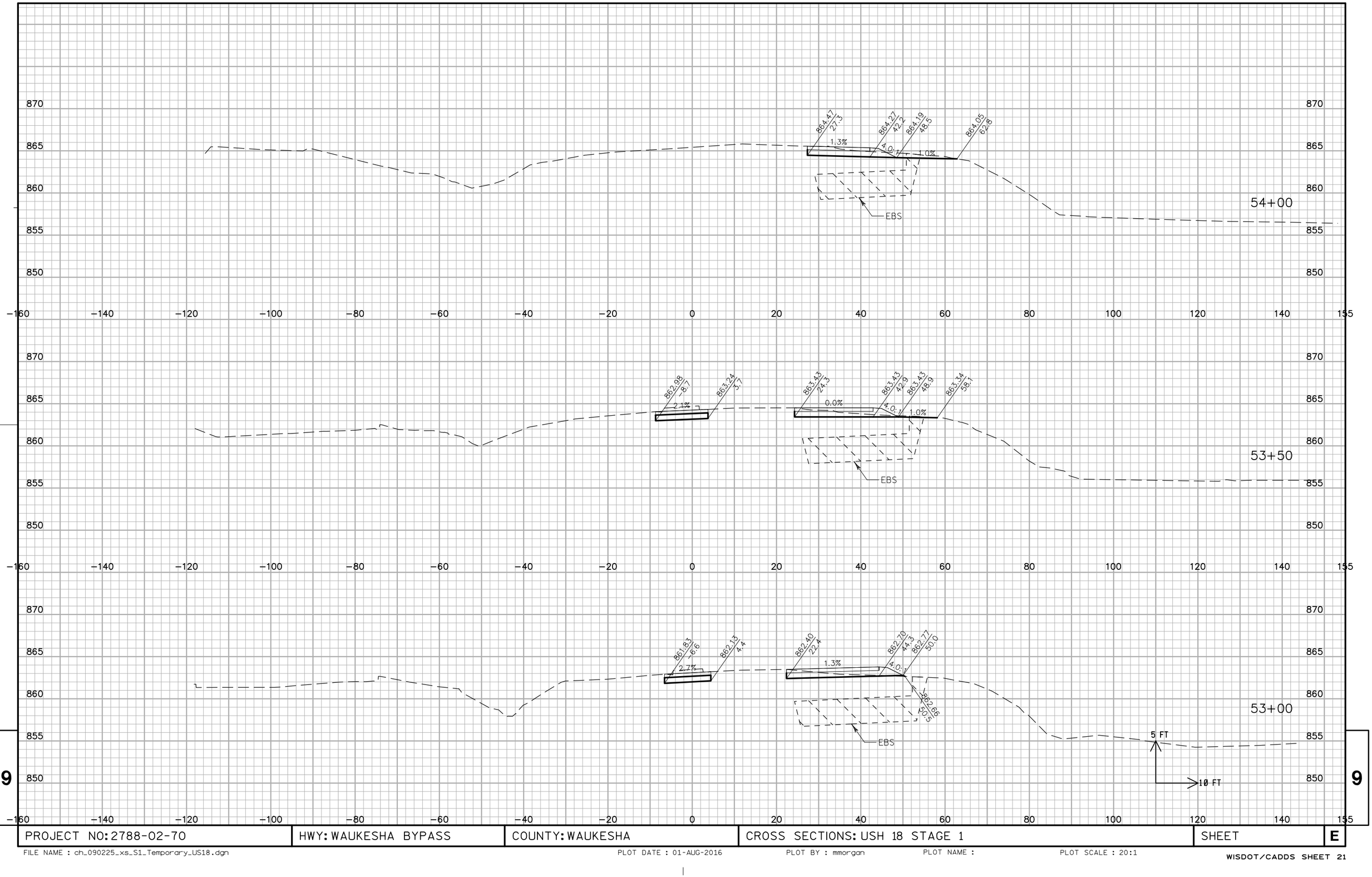


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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

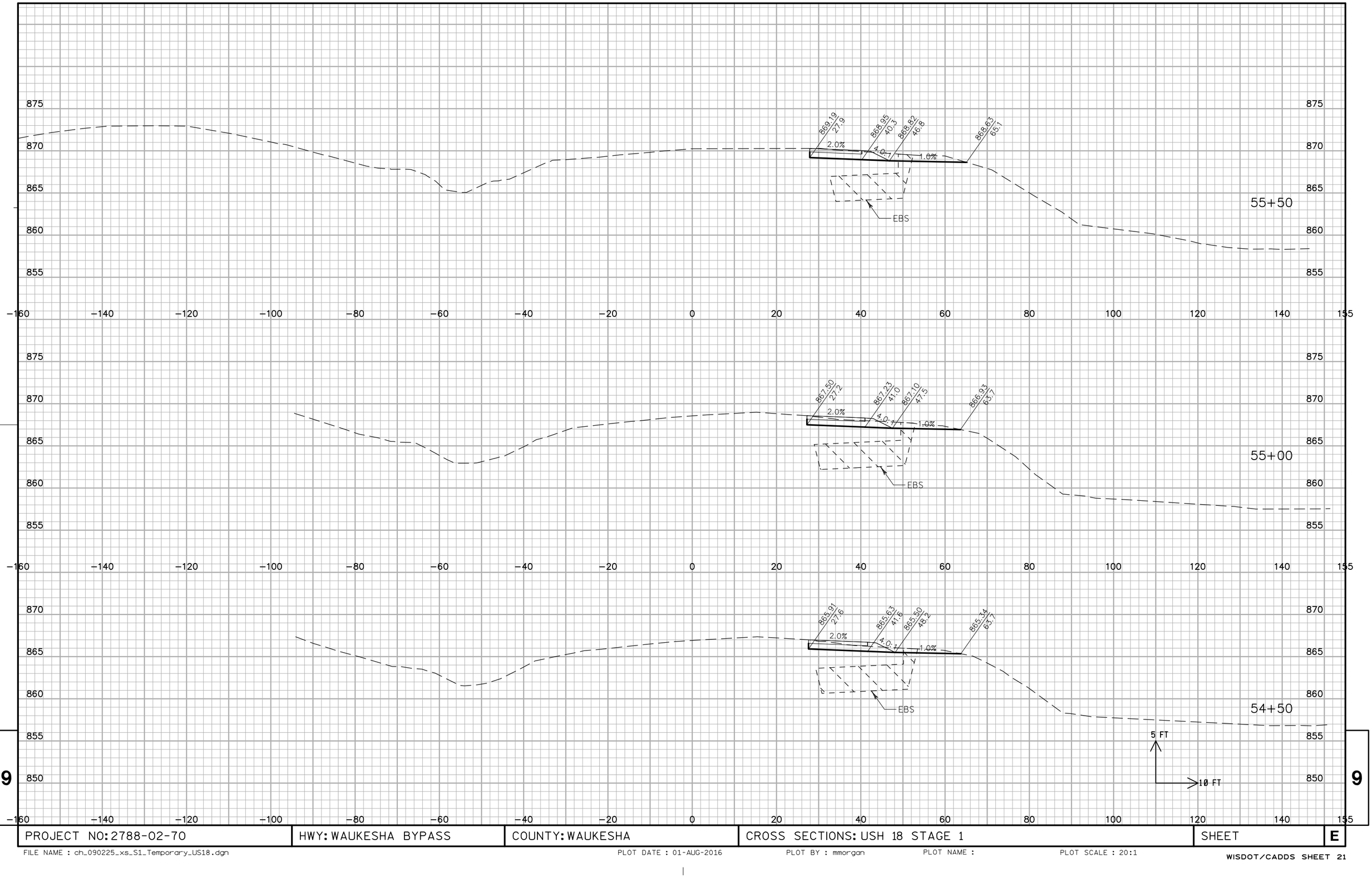
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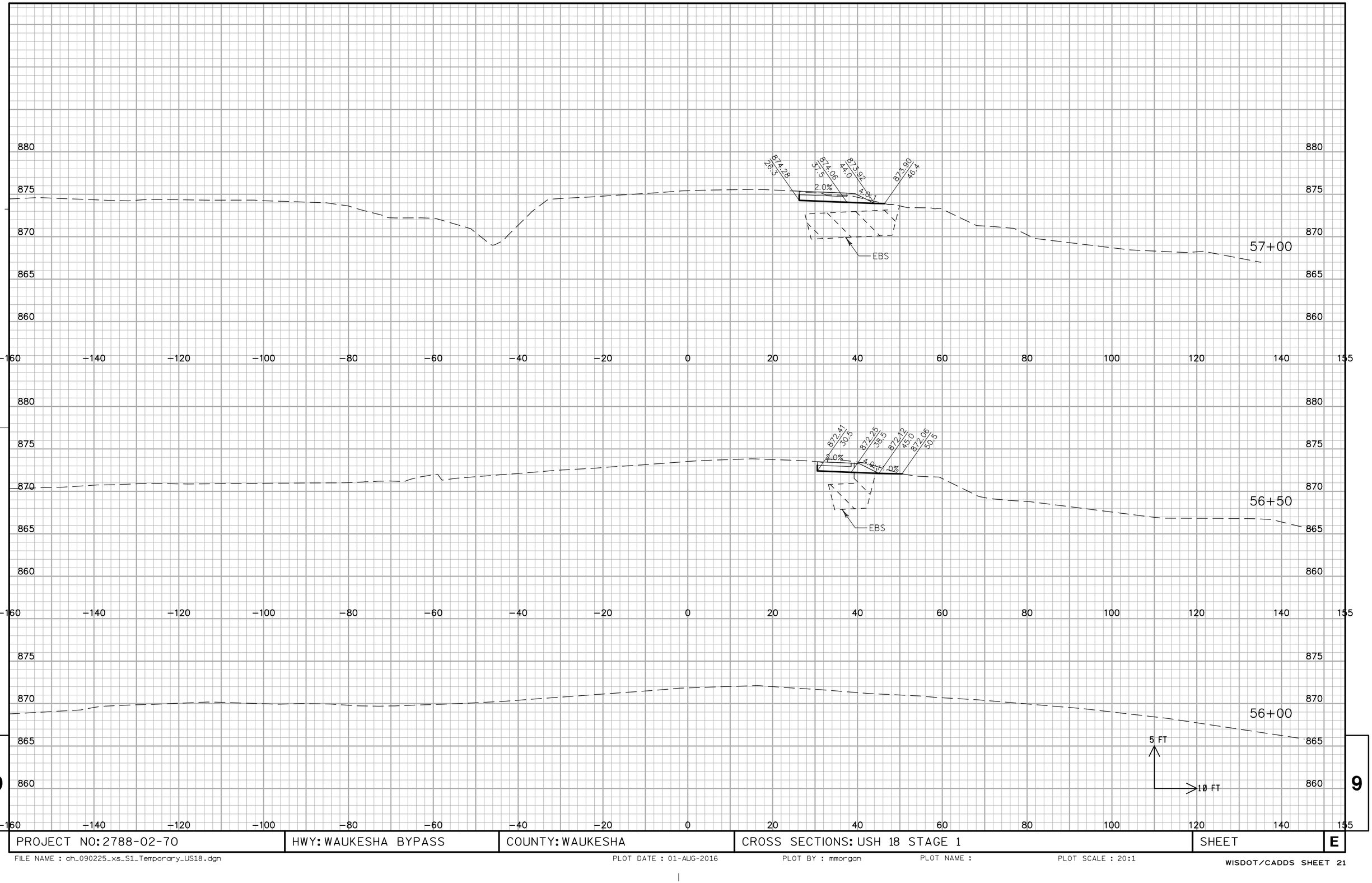
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FILE NAME : ch_090225_xs_S1_Temporary_US18.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

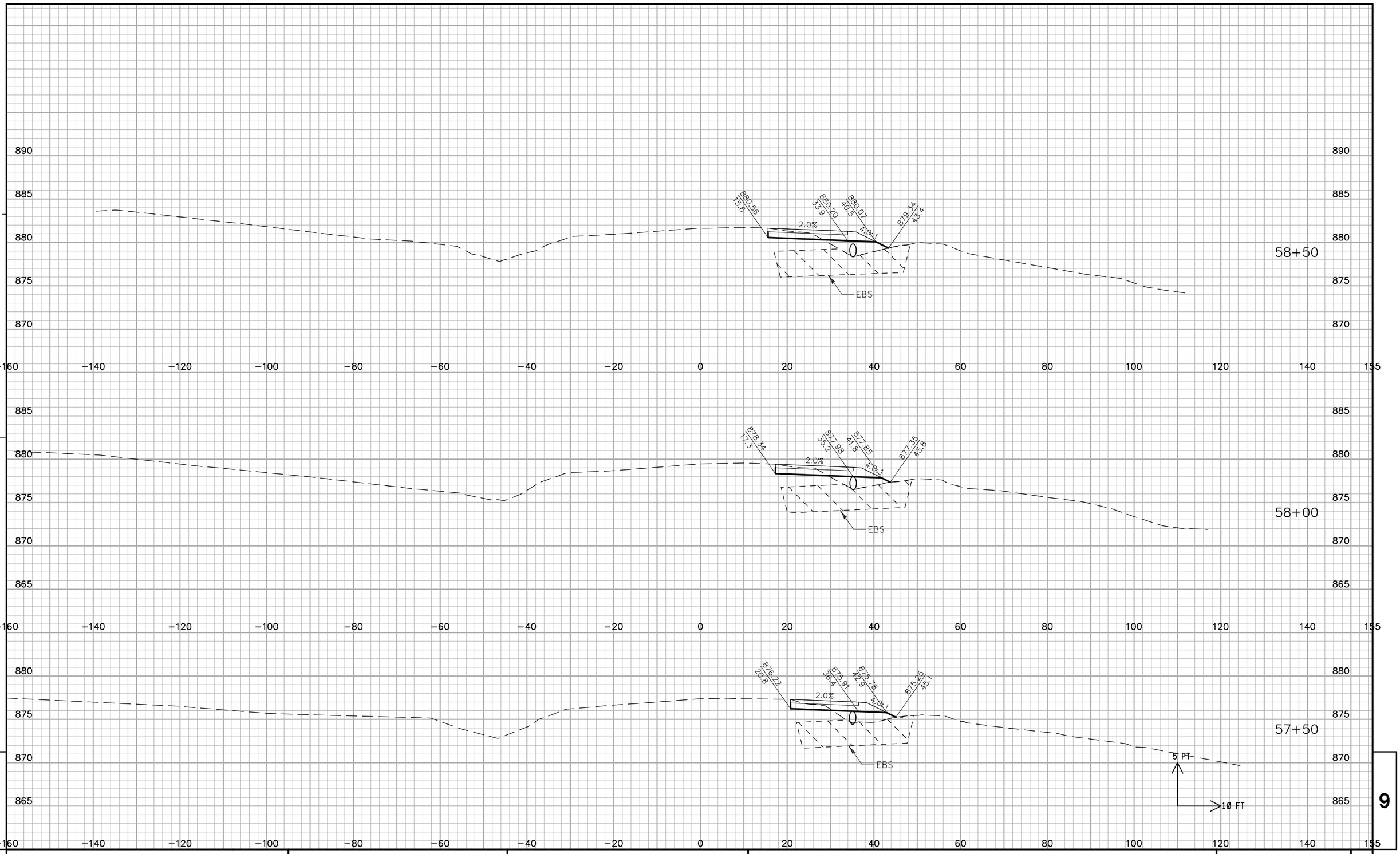


PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

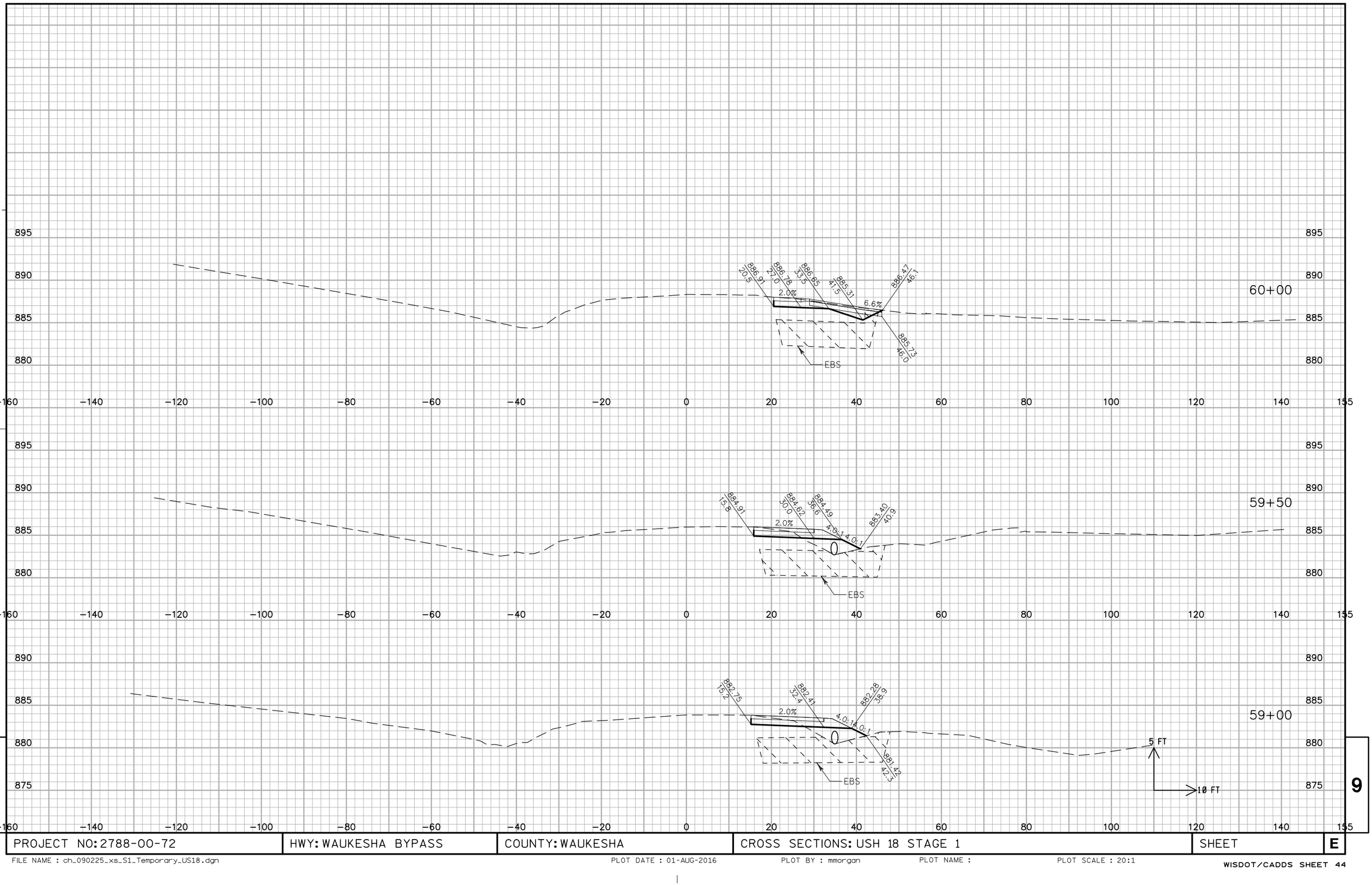
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PROJECT NO:	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

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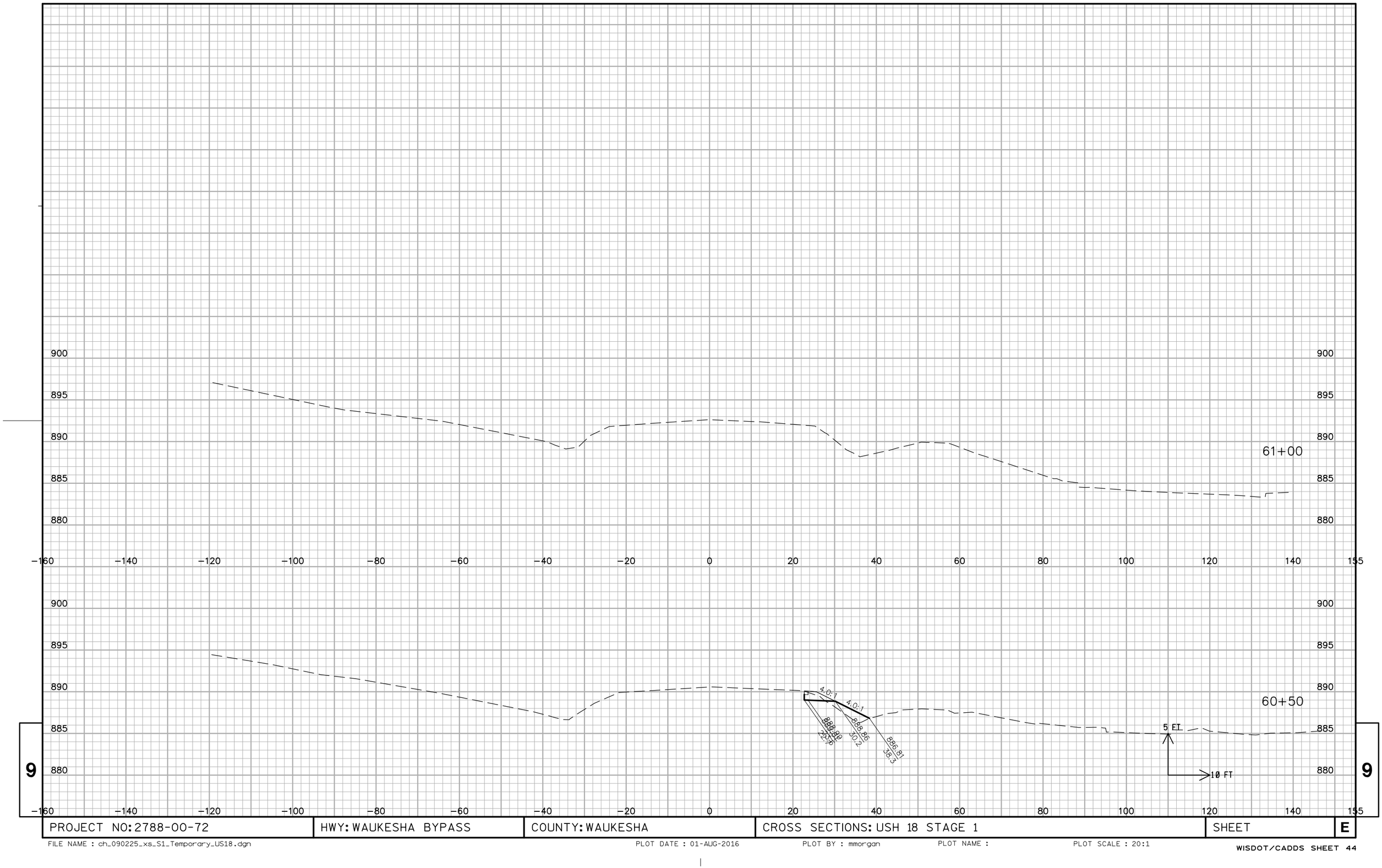
WISDOT/CADDS SHEET 21



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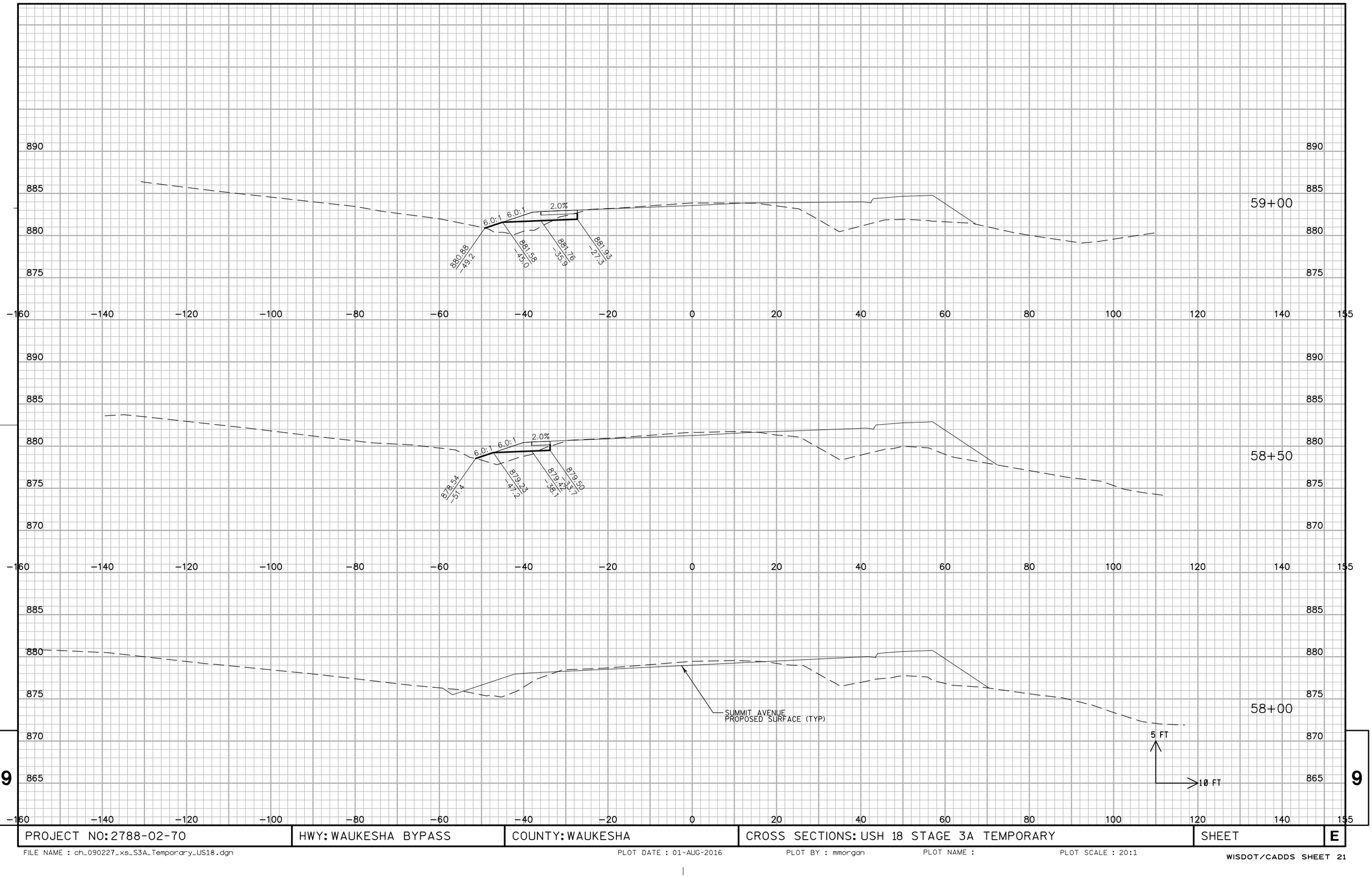
PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E



PROJECT NO: 2788-00-72	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 1	SHEET	E

FILE NAME : ch_090225_xs_S1_Temporary_US18.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 44



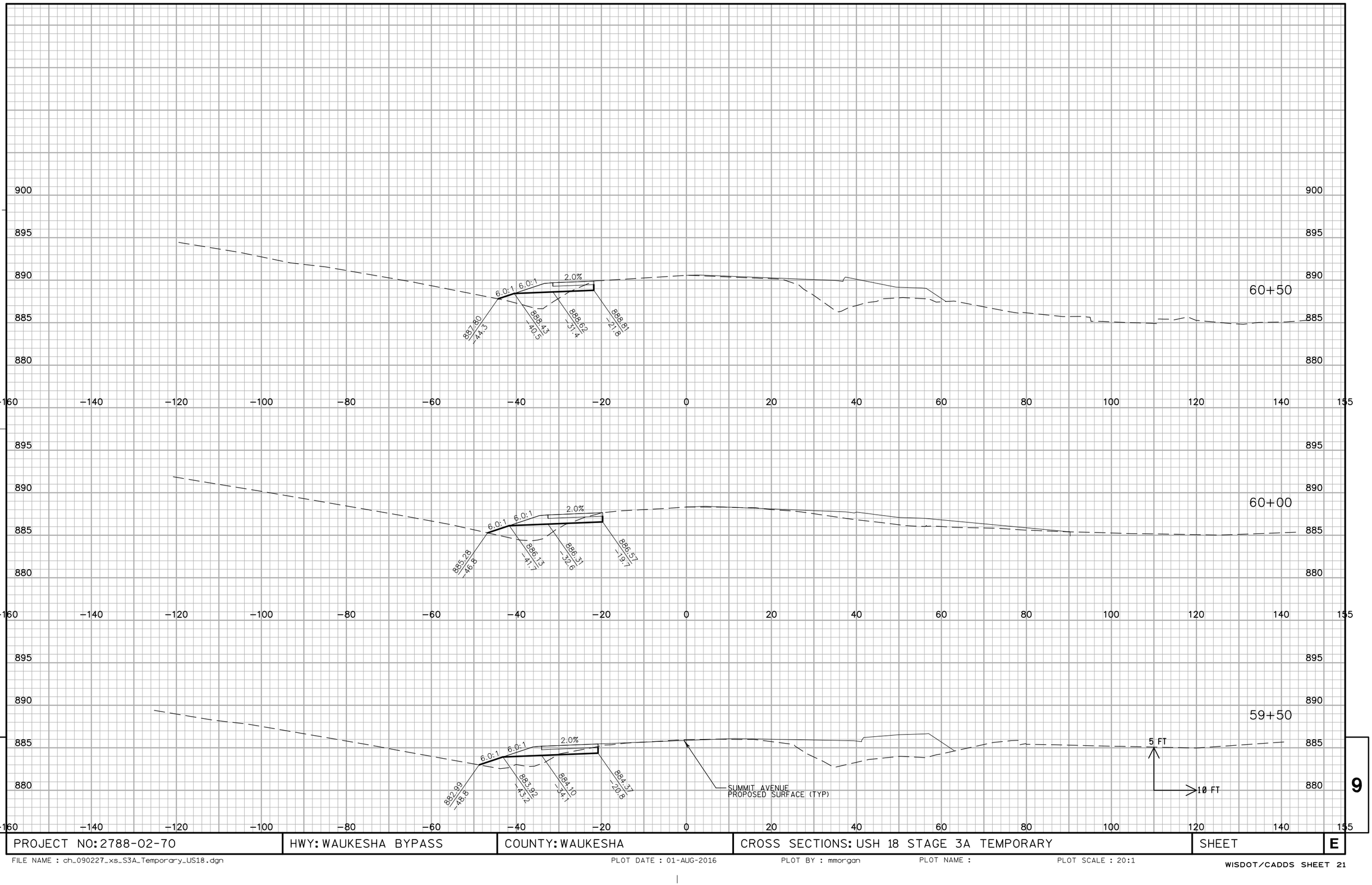
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PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 3A TEMPORARY	SHEET	E

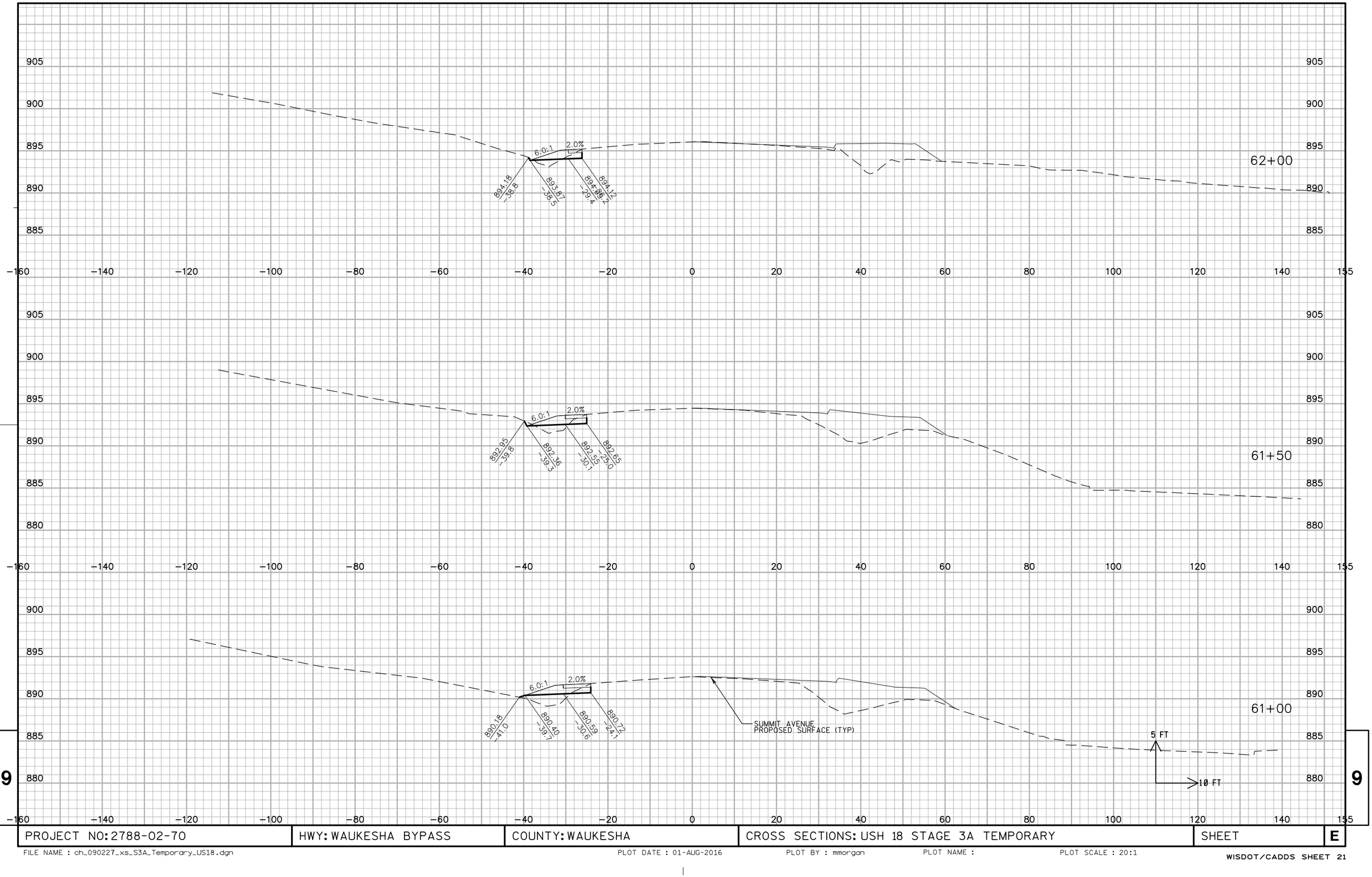
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WISDOT/CADDS SHEET 21



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 3A TEMPORARY	SHEET	E

FILE NAME : ch_090227_xs_S3A_Temporary_US18.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1



PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 3A TEMPORARY	SHEET	E

63+00

62+50

910
905
900
895
890
885

−160 −140 −120 −100 −80 −60 −40 −20 0 20 40 60 80 100 120 140 155

897.42
−38.5
895.47
−36.5
895.68
895.57
895.50
−27.4

0.1
6

5 FT
10 FT

9

PROJECT NO: 2788-02-70	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: USH 18 STAGE 3A TEMPORARY	SHEET	E

FILE NAME : ch_090227_xs_S3A_Temporary_US18.dgn PLOT DATE : 01-AUG-2016 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 20:1