GRE FEB 2016

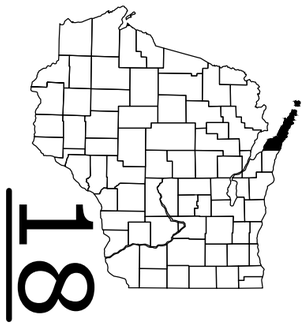
PROJECT ID: 4140-20-73
WITH: N/A

COUNTY: DOOR

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 = 500



18

N

DESIGN DESIGNATION

A.A.D.T.	(2015)	=	11,500
A.A.D.T.	(2035)	=	14,000
D.H.V.	(2035)	=	1,740
D.D.		=	59/41
T. (2035)		=	12.4%
DESIGN SPEED		=	50 MPH
ESALS		=	3,839,800

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

GREEN BAY ROAD,
CITY OF STURGEON BAY

(MICHIGAN STREET - EGG HARBOR ROAD)

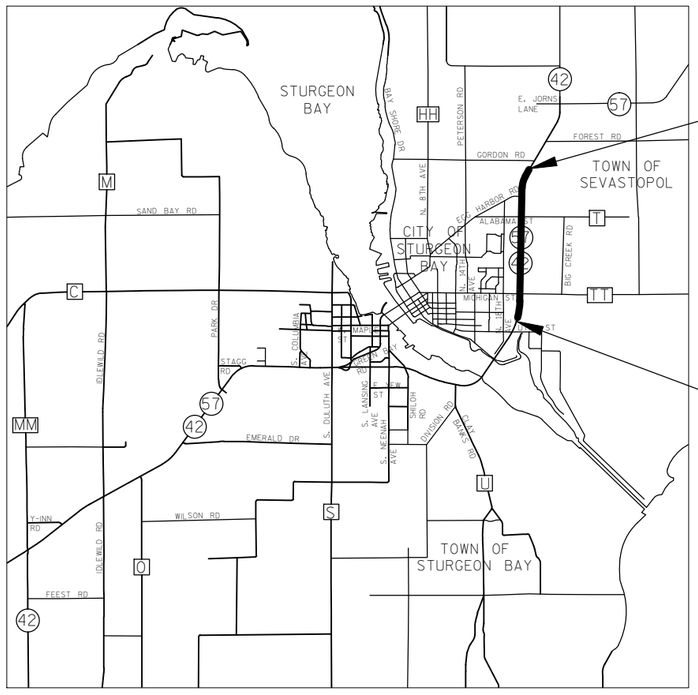
STH 42/57

DOOR COUNTY

STATE PROJECT NUMBER
4140-20-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4140-20-73	WISC 2016022	1

R-25-E R-26-E



T-28-N

END PROJECT
STA. 915+21.45 NB PGL

BEGIN PROJECT STA.
827+00.00 NB PGL
Y=157447.96
X=501533.60

T-27-N

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.671 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DOOR COUNTY, NAD1983 (1991)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ORIGINAL PLANS PREPARED BY:

exp U.S. S□r□□□□l□□
□□1.414.221.0088
241 N Br□□d□□□
M□□□□□□, WI 53202
U.S.A.
www.exp.com

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WISCONSIN JEFFREY A. ROEMER E-23321 MILWAUKEE, WI PROFESSIONAL ENGINEER

09/29/2015 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	QUEST CIVIL ENGINEERS, LLC
Designer	EXP US SERVICES, INC.
Project Manager	JEREMY ASHAUER, PE
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 09/29/2015 Jeremy J. Ashauer (Signature)

E

UTILITY CONTACT LIST

JAY GREENBERG
AT&T WISCONSIN - COMMUNICATION LINE
1601 NORTH BALLARD RD
APPLETON, WI 54911-4211
PHONE: (920) 735-3372
MOBILE : (920) 227-3528
EMAIL: jg3125@us.att.com

DOUG VOSBERG
ATC MANAGEMENT, INC. - ELECTRIC TRANSMISSION
5303 FEN OAK DRIVE
MADISON, WI 53718
PHONE: (608) 877-7650
EMAIL: DVOSBERG@ATCLLC.COM

NICK FRASE
CHARTER COMMUNICATIONS - COMMUNICATION LINE
3315 LINCOLN AVENUE
TWO RIVERS, WI 54241
PHONE: (920) 793-2216 EXT. 30
MOBILE: (920) 304-6797
EMAIL: nicholas.frase@charter.com

DENNIS LAFAVE
NET-LEC LLC - COMMUNICATION LINE
1700 INDUSTRIAL DR
GREEN BAY, WI 54302
MOBILE: (920) 619-9774
EMAIL: dlafave@mi-tech.us

JASON BIERI
STURGEON BAY UTILITIES - ELECTRIC
230 EAST VINE STREET
PO BOX 27
STURGEON BAY, WI 54235-0024
PHONE: (920) 746-2820
EMAIL: jbieri@wppienergy.org

CLIFF WHITE
STURGEON BAY UTILITIES - SANITARY SEWER
230 EAST VINE STREET
PO BOX 27
STURGEON BAY, WI 54235-0024
PHONE: (920) 746-2820
MOBILE: (920) 493-4102
EMAIL: cwhite@wppienergy.org

CLIFF WHITE
STURGEON BAY UTILITIES - WATER
230 EAST VINE STREET
PO BOX 27
STURGEON BAY, WI 54235-0024
PHONE: (920) 746-2820
MOBILE: (920) 493-4102
EMAIL: cwhite@wppienergy.org

JERRY PEOT
WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
800 COLUMBUS STREET
TWO RIVERS, WI 54241
PHONE: (920) 657-1815
MOBILE: (920) 655-0522
EMAIL: gjpeot@wisconsinpublicservice.com

DNR CONTACT

MATT SCHAEVE
WISCONSIN DEPT. OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
PHONE: (920) 662-5472
EMAIL: matthew.schaeve@wisconsin.gov

OTHER CONTACTS

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GREEN BAY, WI 54304-0080
PHONE: (920) 412-6381
EMAIL: jeremy.ashauer@dot.wi.com

CORMAC MCINNIS, SURVEYOR
WISCONSIN DEPT. OF TRANSPORTATION
944 VANDERPERREN WAY
GREEN BAY, WI 54304-0080
PHONE: (920) 492-5638
EMAIL: cormac.mcinnins@dot.wi.com

JEFFREY ROEMER
EXP US SERVICES INC.
241 NORTH BROADWAY, SUITE 203
MILWAUKEE, WI 53202
PHONE: (414) 221-0088 EXT 3132
EMAIL: jeff.roemer@exp.com

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE WORKING DAYS PRIOR TO BEGINNING WORK.

THE LOCATIONS OF EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURES NO LONGER NECESSARY.

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

LANDSCAPE ALL TOPSOILED AREAS AS THE PLANS SHOW OR THE ENGINEER DIRECTS WITHIN FIVE CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL.

ROUNDABOUT ENHANCEMENT PLANS AND SPECIFICATIONS PREPARED BY AYRES ASSOCIATES.

LIST OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
PAVEMENT GRADES
EROSION CONTROL
STORM SEWER PLANS
ROUNDABOUT ENHANCEMENT PLAN
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKINGS
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT DETAILS

RUNOFF COEFFICIENT TABLE

	HYRDOLIC 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 .30	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27' .34			.28 .36			.30 .38
PAVEMENT:												
ASHPALT	.07 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

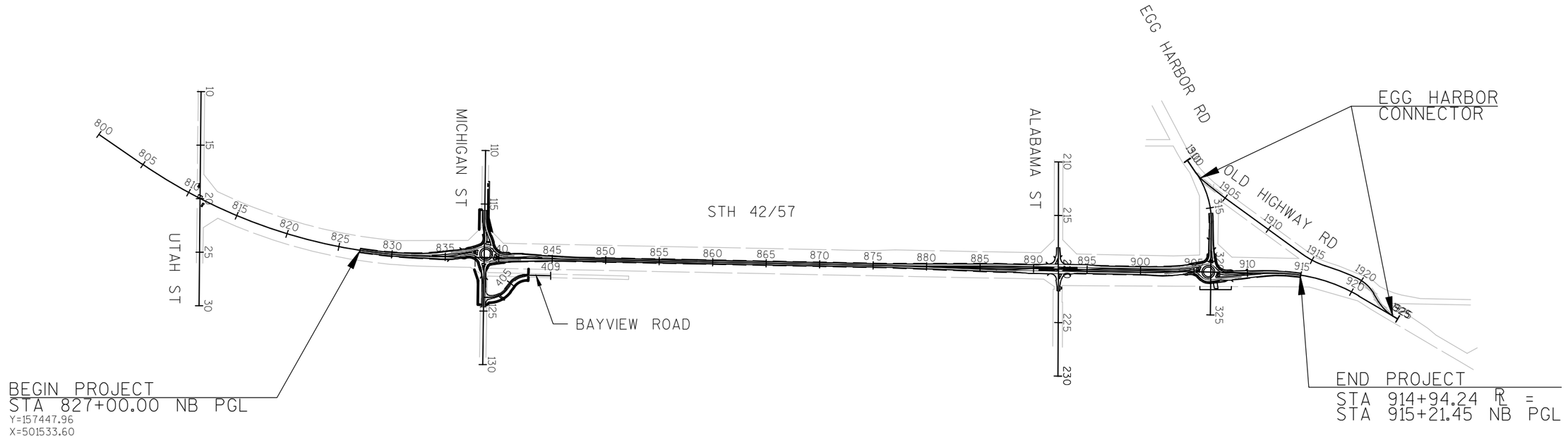
TOTAL PROJECT AREA = 56.5 ACRES

TOTAL AREA EXPECTED TO BE DISTRUBED BY CONSTRUCTION ACTIVITES = 27.9 ACRES

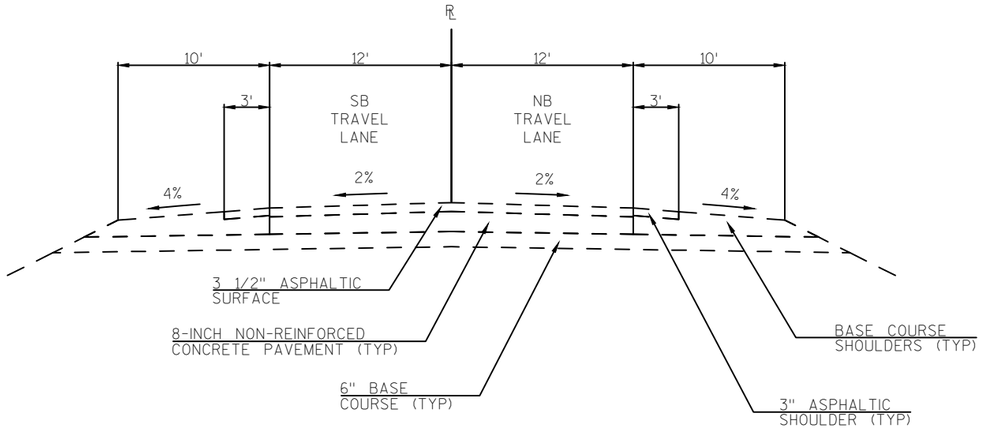
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2

N

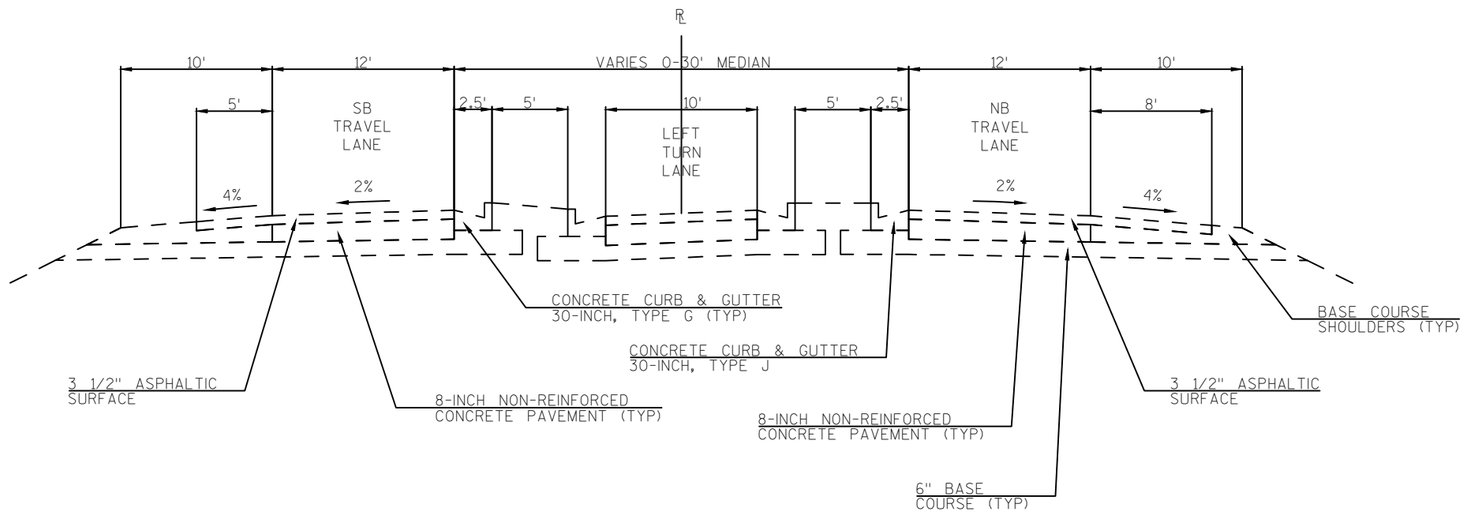


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PROJECT OVERVIEW	SHEET 3	E



EXISTING TYPICAL SECTION - STH 42/57

STA. 827+00 - STA. 827+30



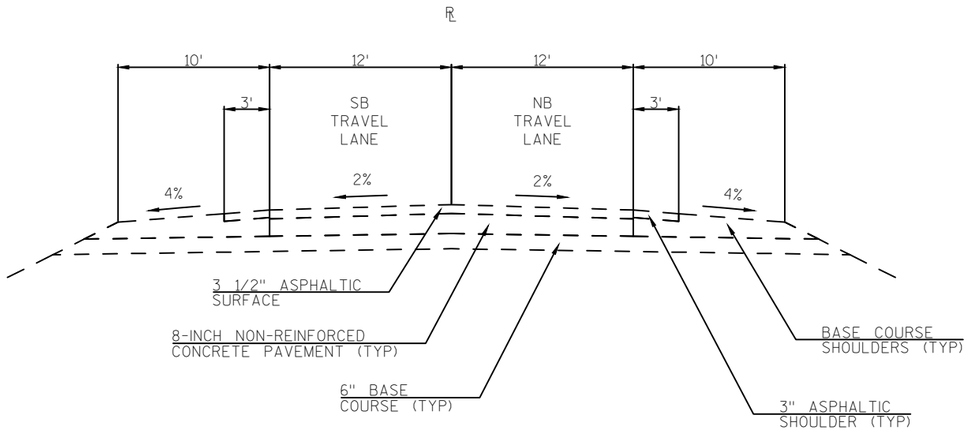
EXISTING TYPICAL SECTION - STH 42/57

STA. 827+30 - STA. 852+30 (MICHIGAN STREET INTERSECTION)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL EXISTING SECTIONS	SHEET 4	E

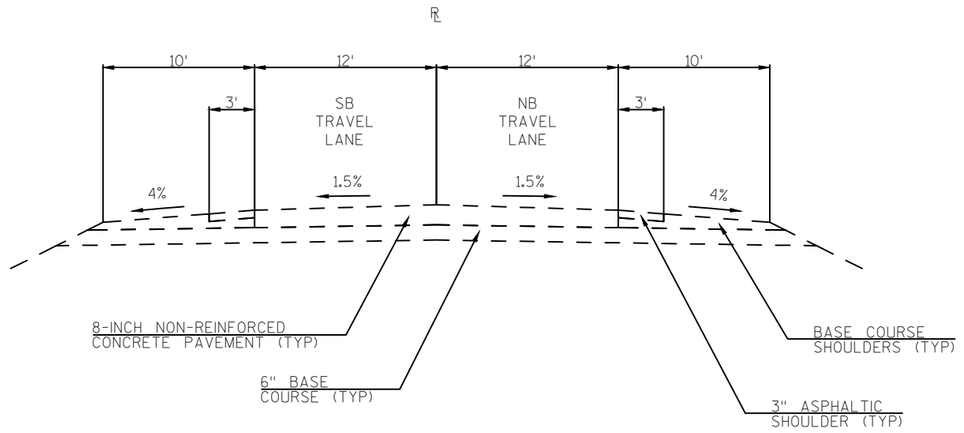
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\020301_TS.DWG PLOT DATE : 12/10/2015 9:42 AM PLOT BY : JASEN GROVES PLOT NAME : 020301_TS PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION - STH 42/57

STA. 852+30 - STA. 856+60



EXISTING TYPICAL SECTION - STH 42/57

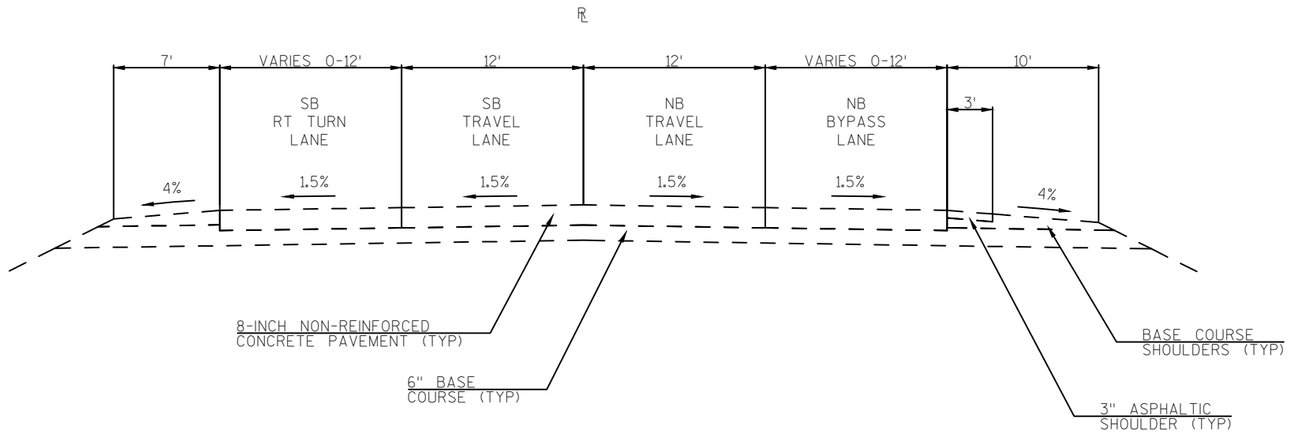
STA. 856+60 - STA. 899+70

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL EXISTING SECTIONS	SHEET 5	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\020301_TS.DWG PLOT DATE : 12/10/2015 9:42 AM PLOT BY : JASEN GROVES PLOT NAME : 020302_TS PLOT SCALE : 1:10_XREF

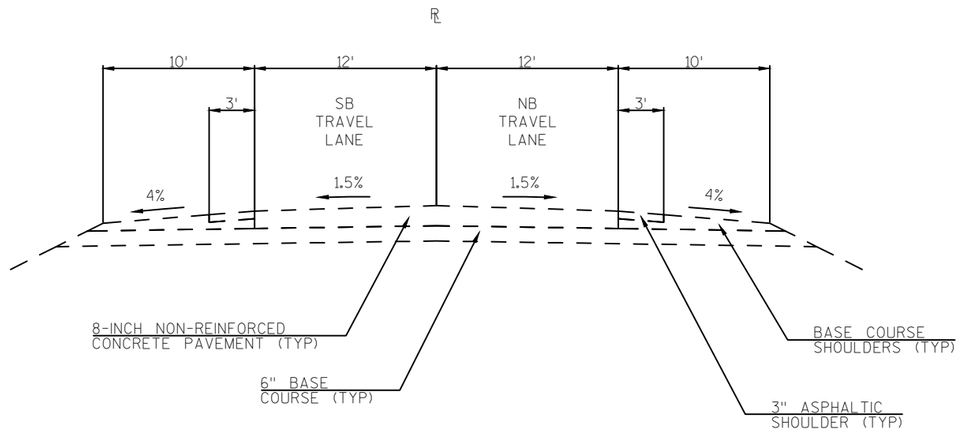
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION - STH 42/57

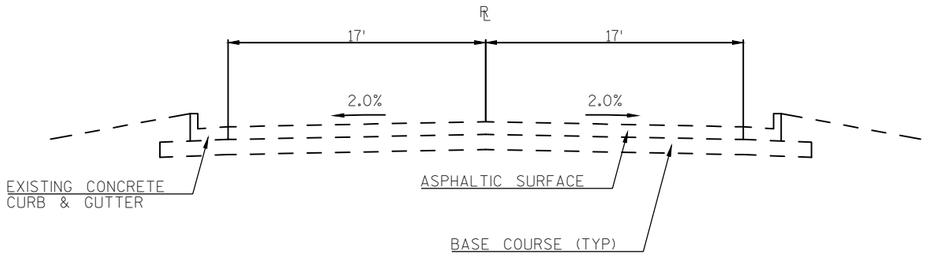
STA. 899+70 - STA. 912+65 (EGG HARBOR ROAD INTERSECTION)



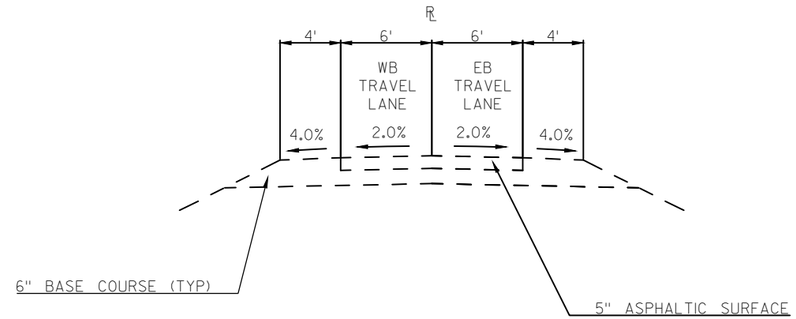
EXISTING TYPICAL SECTION - STH 42/57

STA. 912+65 - STA. 915+21

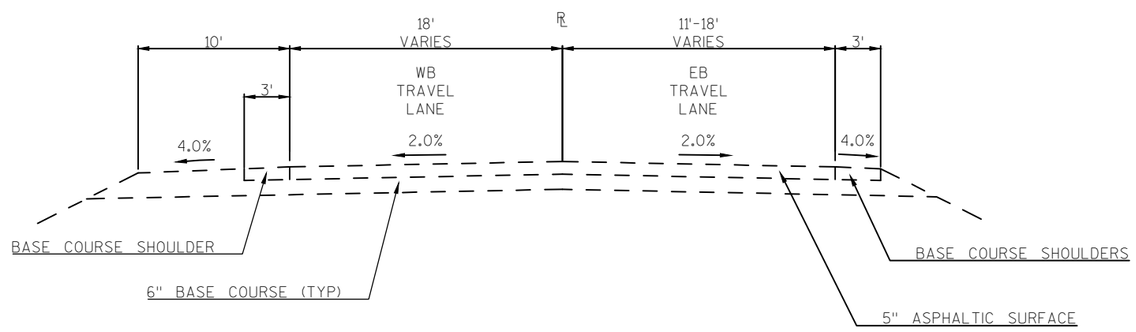
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL EXISTING SECTIONS	SHEET 6	E



EXISTING TYPICAL SECTION - MICHIGAN STREET
STA. 115+60 - STA. 116+60



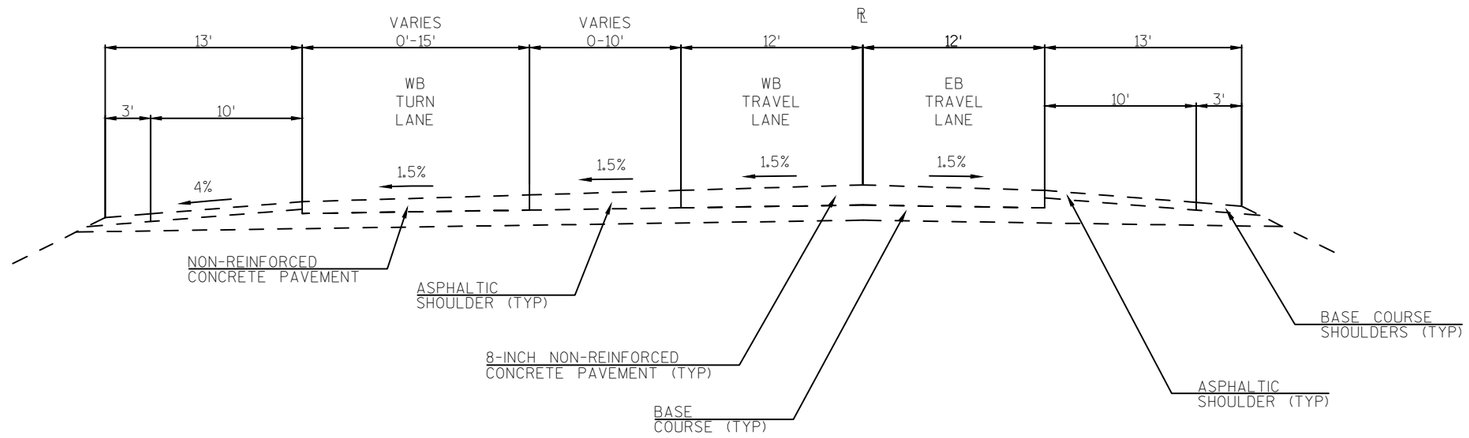
EXISTING TYPICAL SECTION - BAYVIEW ROAD



EXISTING TYPICAL SECTION - MICHIGAN STREET
STA. 116+60 - STA. 118+97
STA. 120+73 - STA. 124+69

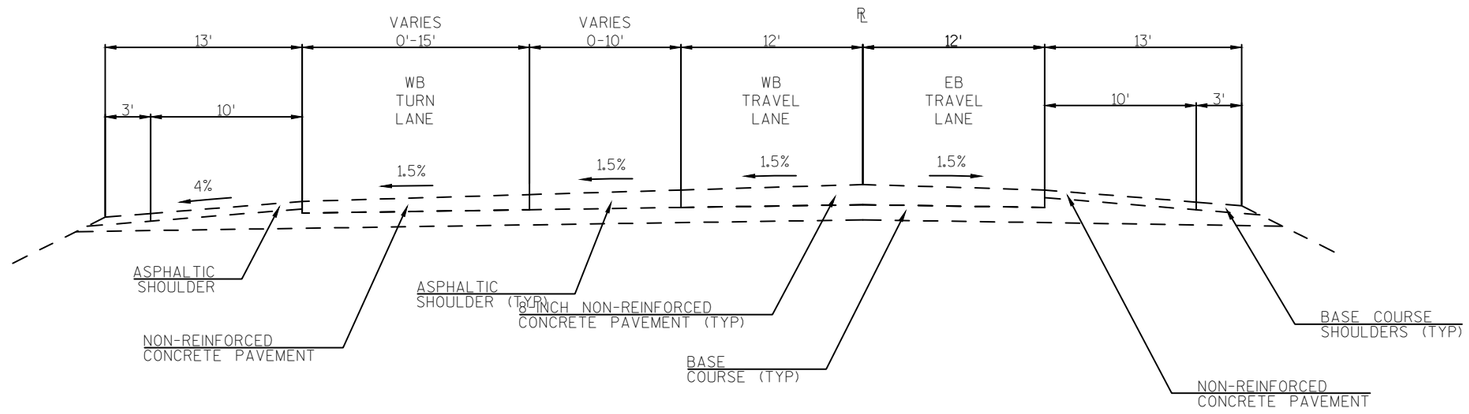
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL EXISTING SECTIONS	SHEET 7	E

2



EXISTING TYPICAL SECTION - EGG HARBOR ROAD

STA. 315+50 - STA. 318+65

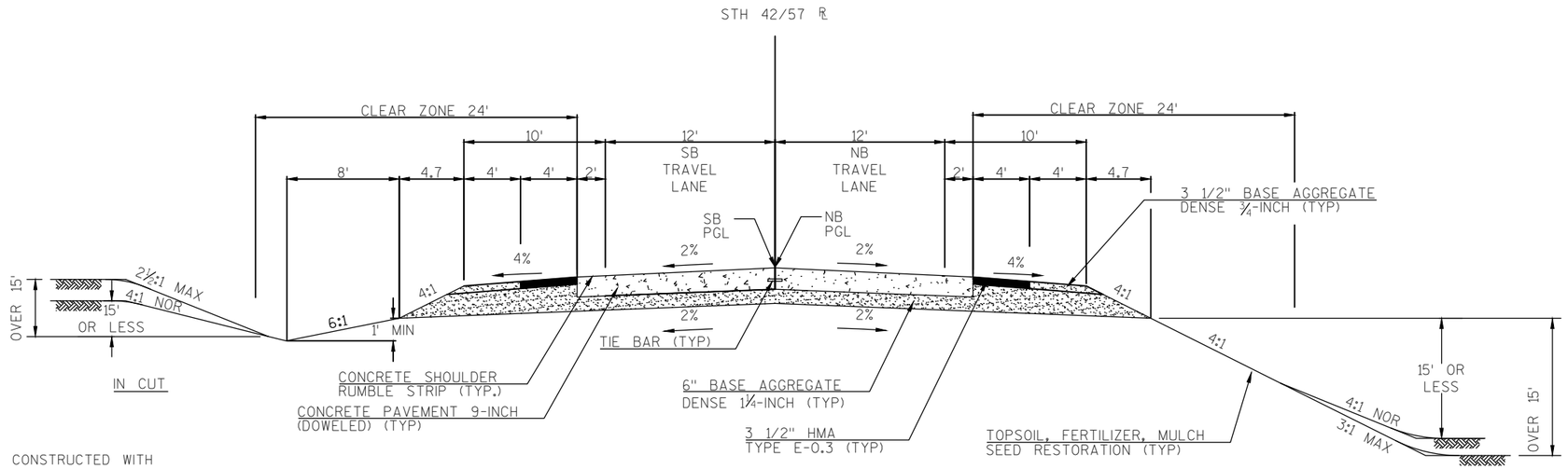


EXISTING TYPICAL SECTION - EGG HARBOR ROAD

STA. 318+65 - STA. 320+71

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL EXISTING SECTIONS	SHEET 8	E

2

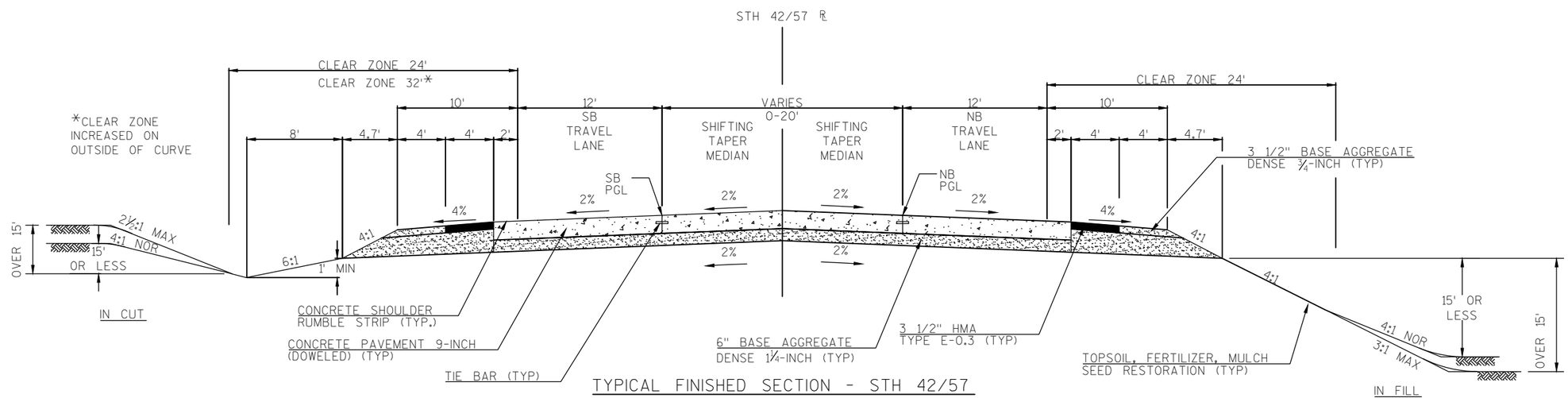


ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28

TYPICAL FINISHED SECTION - STH 42/57

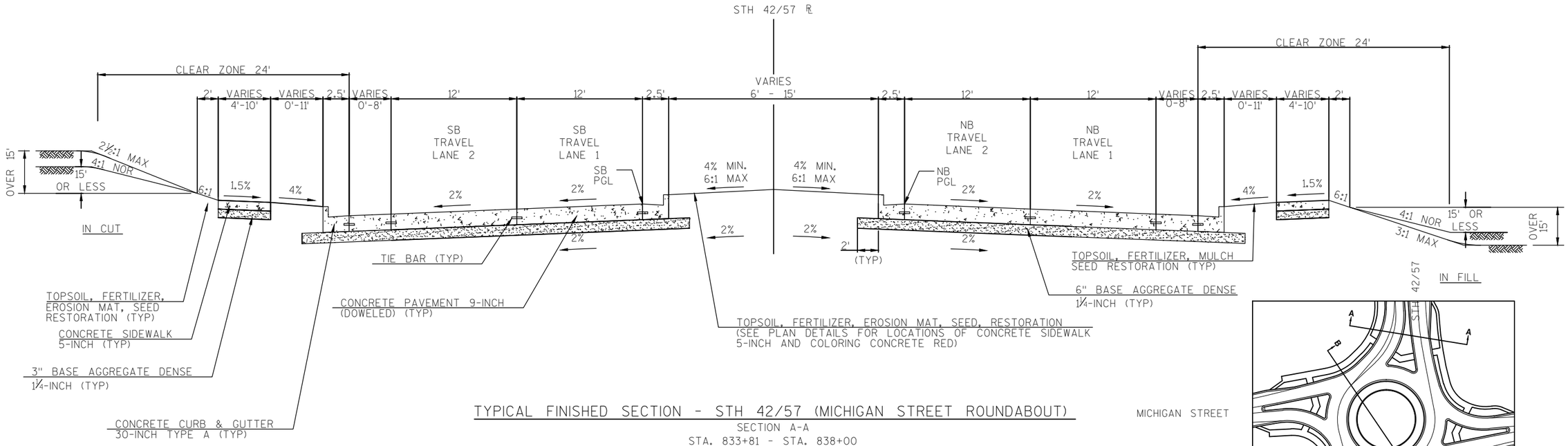
STA. 827+00 - STA. 827+83 - NB PGL
STA. 847+63 - STA. 876+61 - NB PGL



TYPICAL FINISHED SECTION - STH 42/57

STA. 827+93 - STA. 833+81 - NB PGL
STA. 844+10 - STA. 847+63 - NB PGL
STA. 876+61 - STA. 880+38 - NB PGL
STA. 911+43 - STA. 915+21 - NB PGL

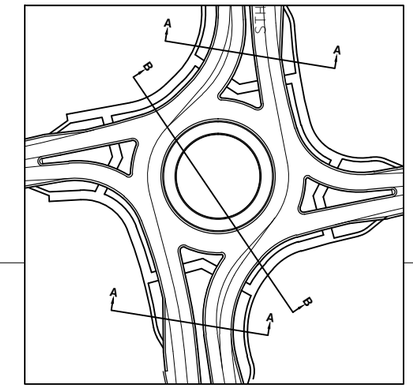
2

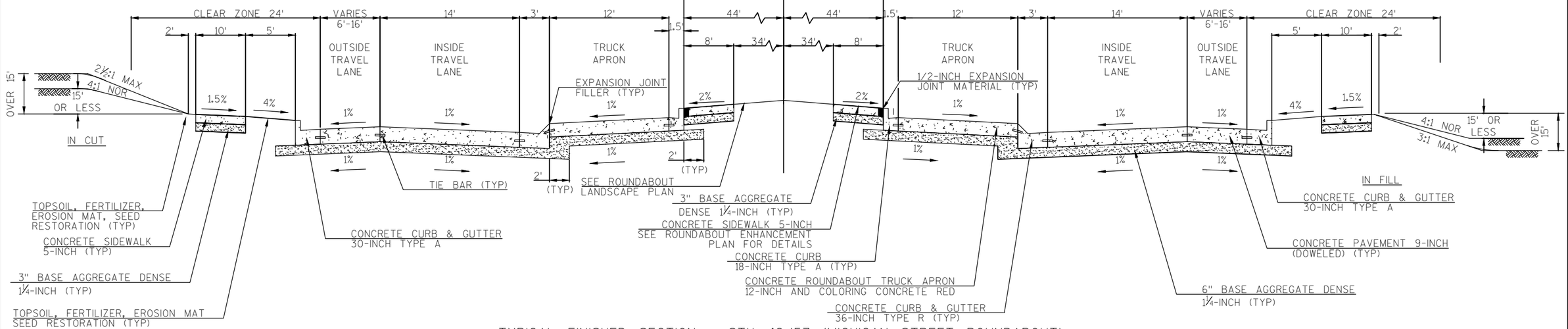


TYPICAL FINISHED SECTION - STH 42/57 (MICHIGAN STREET ROUNDABOUT)

SECTION A-A
STA. 833+81 - STA. 838+00
STA. 839+65 - STA. 844+10

MICHIGAN STREET

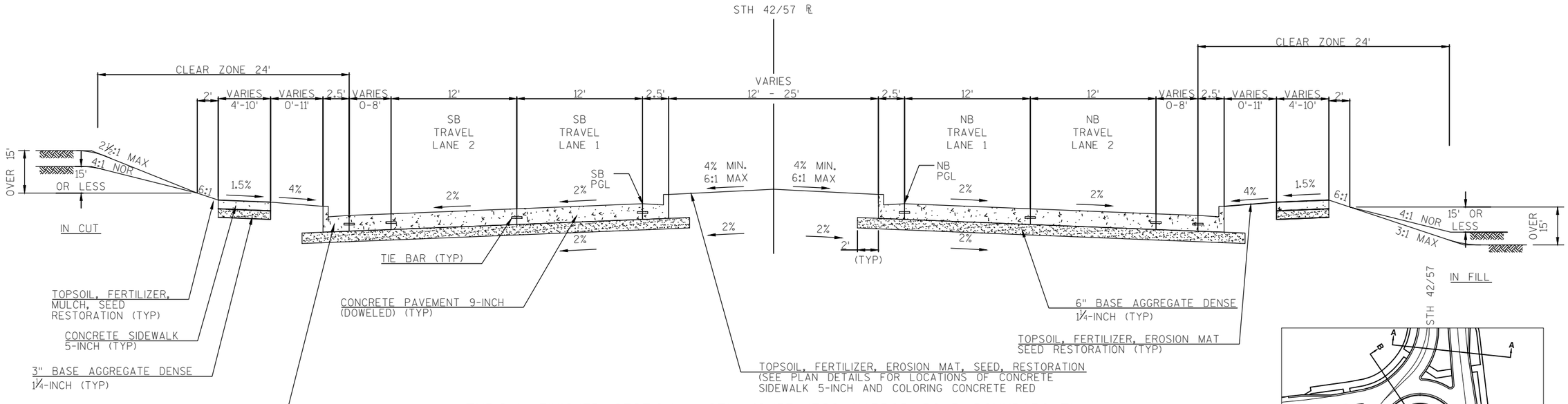




TYPICAL FINISHED SECTION - STH 42/57 (MICHIGAN STREET ROUNDABOUT)

SECTION B-B
STA. 838+00 - STA. 839+65

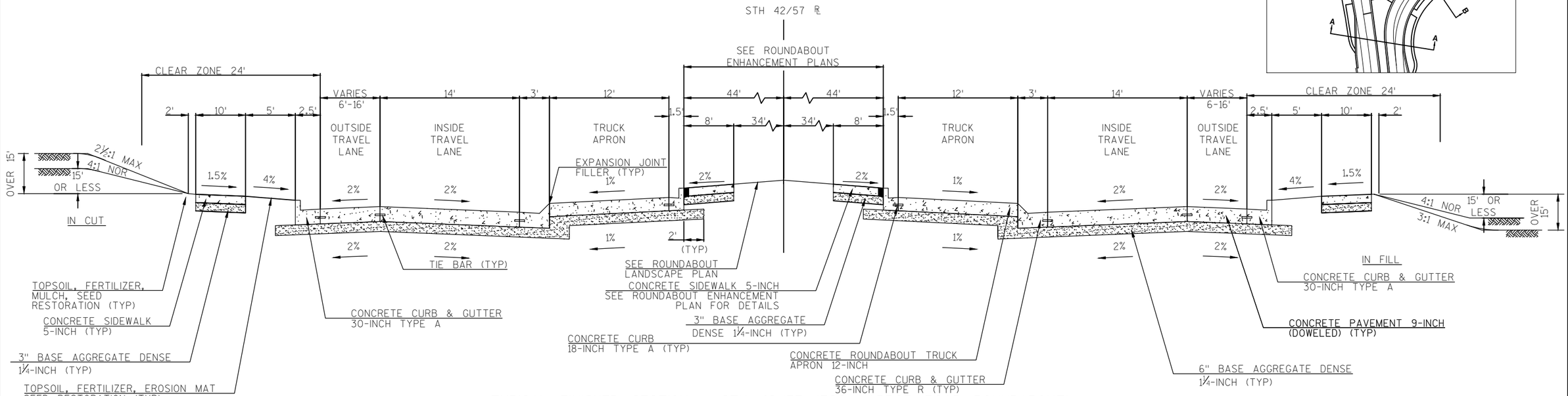
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 10	E



TYPICAL FINISHED SECTION - STH 42/57 (EGG HARBOR ROAD ROUNDABOUT)

SECTION A-A
STA. 901+63 - STA. 905+64
STA. 907+32 - STA. 911+43

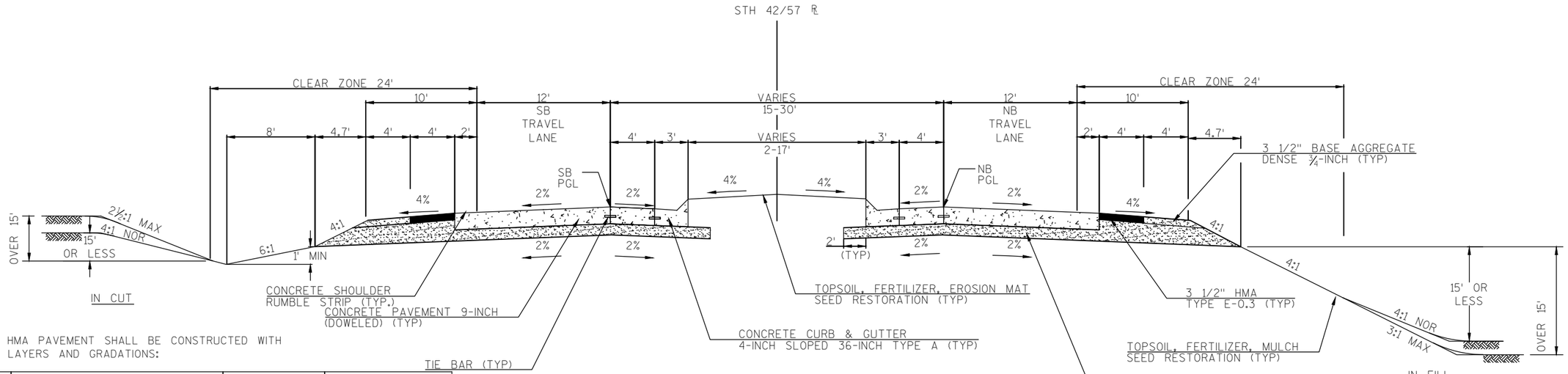
EGG HARBOR ROAD



TYPICAL FINISHED SECTION - STH 42/57 (EGG HARBOR ROAD ROUNDABOUT)

SECTION B-B
STA. 905+64 - STA. 907+32

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 11	E

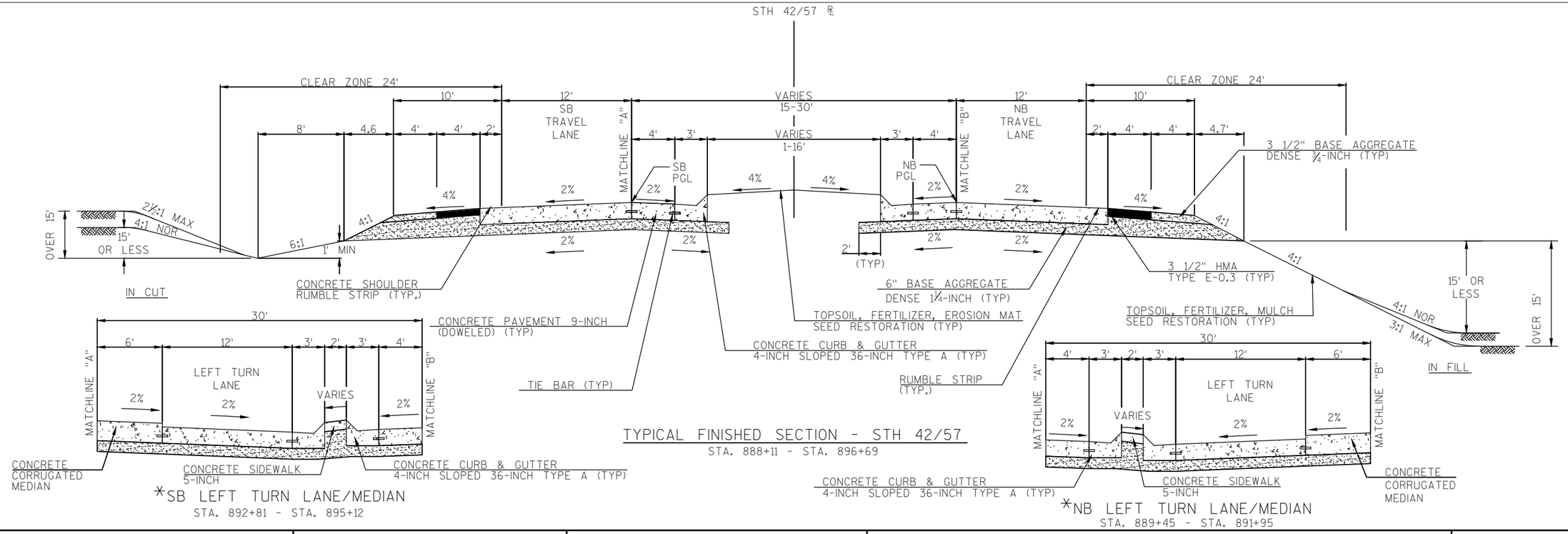


ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28

TYPICAL FINISHED SECTION - STH 42/57

STA. 880+38 - STA. 888+11
STA. 896+69 - STA. 901+63



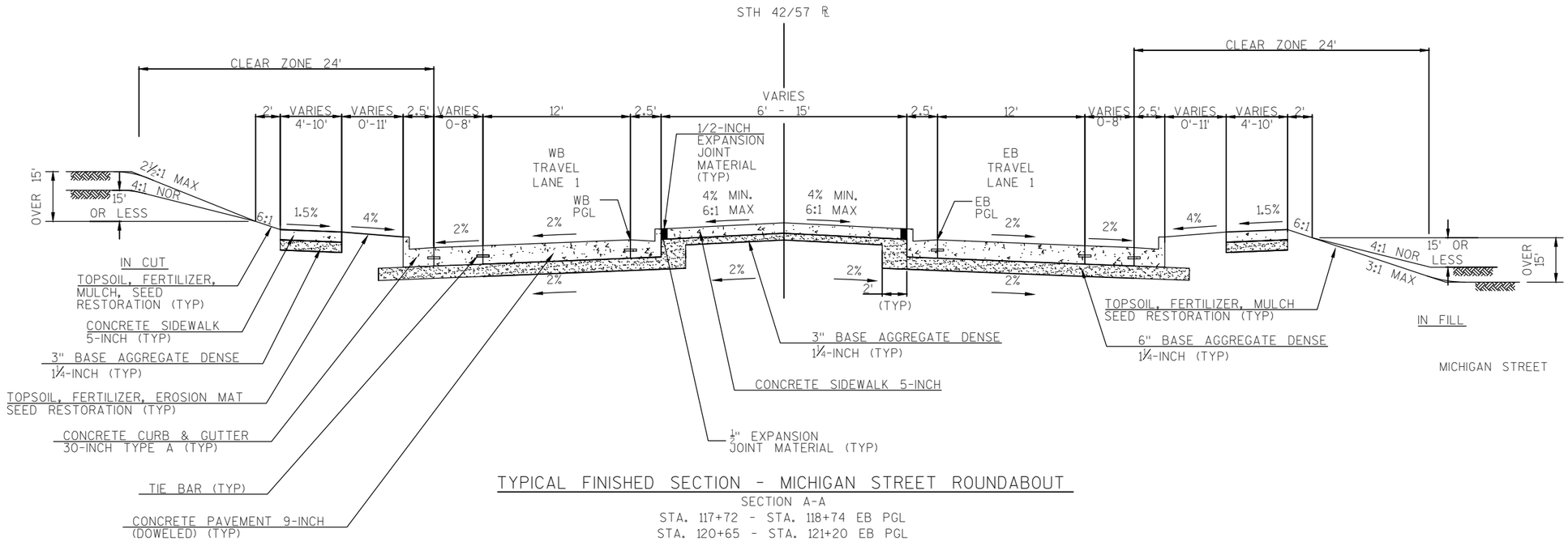
TYPICAL FINISHED SECTION - STH 42/57

STA. 888+11 - STA. 896+69

*SB LEFT TURN LANE/MEDIAN
STA. 892+81 - STA. 895+12

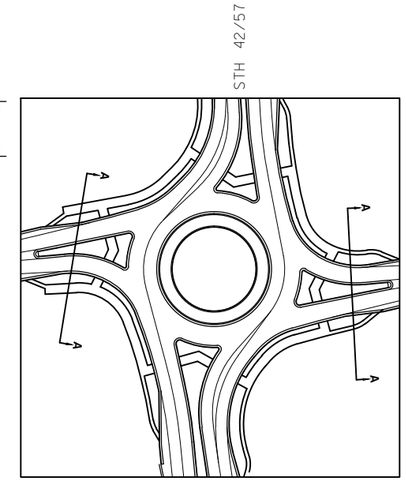
*NB LEFT TURN LANE/MEDIAN
STA. 889+45 - STA. 891+95

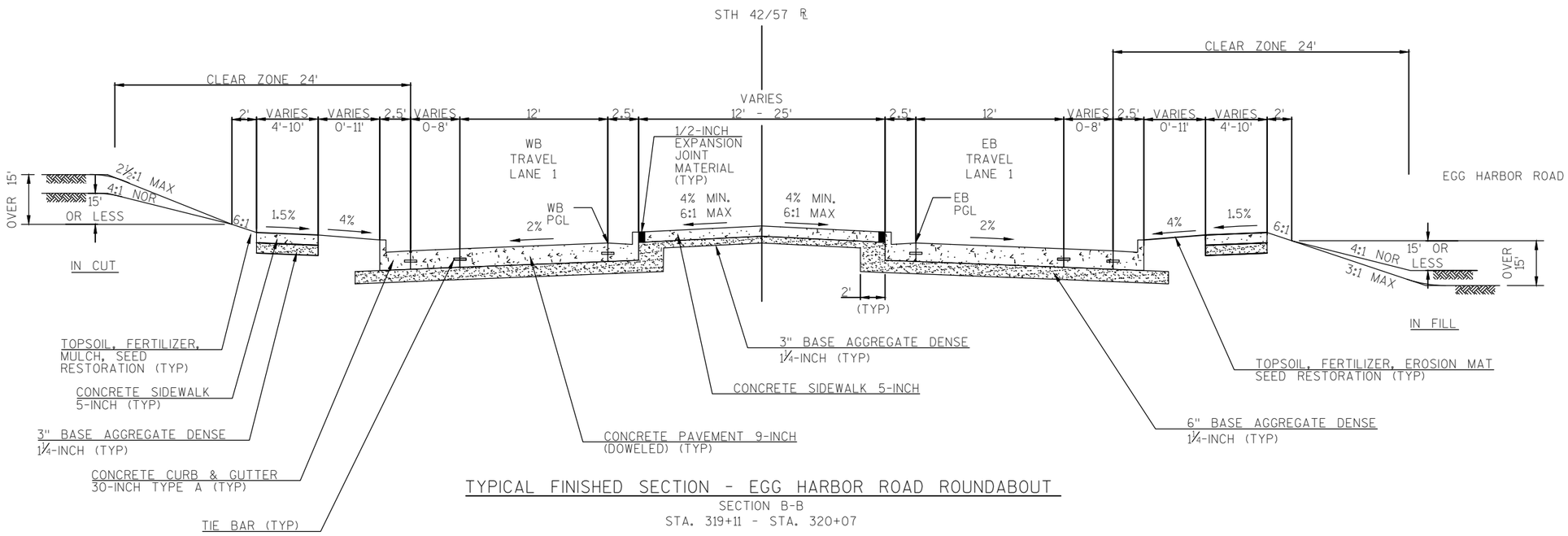
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 12	E



TYPICAL FINISHED SECTION - MICHIGAN STREET ROUNDABOUT

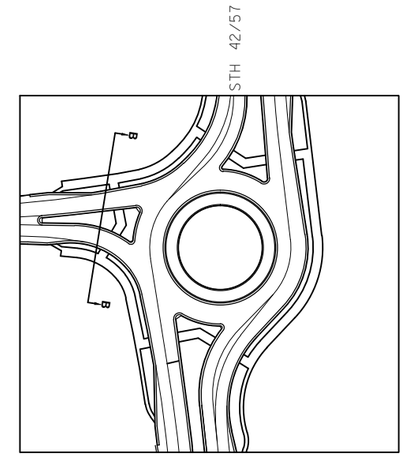
SECTION A-A
STA. 117+72 - STA. 118+74 EB PGL
STA. 120+65 - STA. 121+20 EB PGL



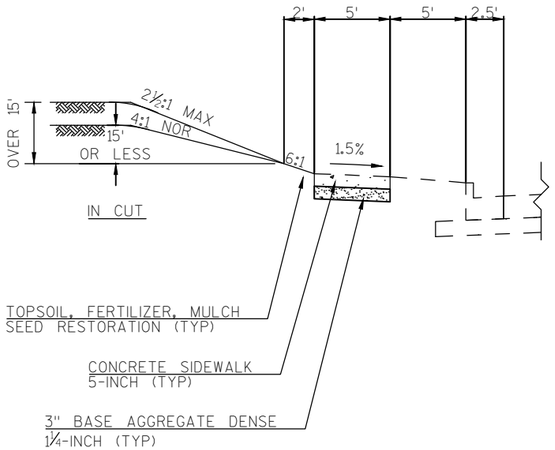


TYPICAL FINISHED SECTION - EGG HARBOR ROAD ROUNDABOUT

SECTION B-B
STA. 319+11 - STA. 320+07

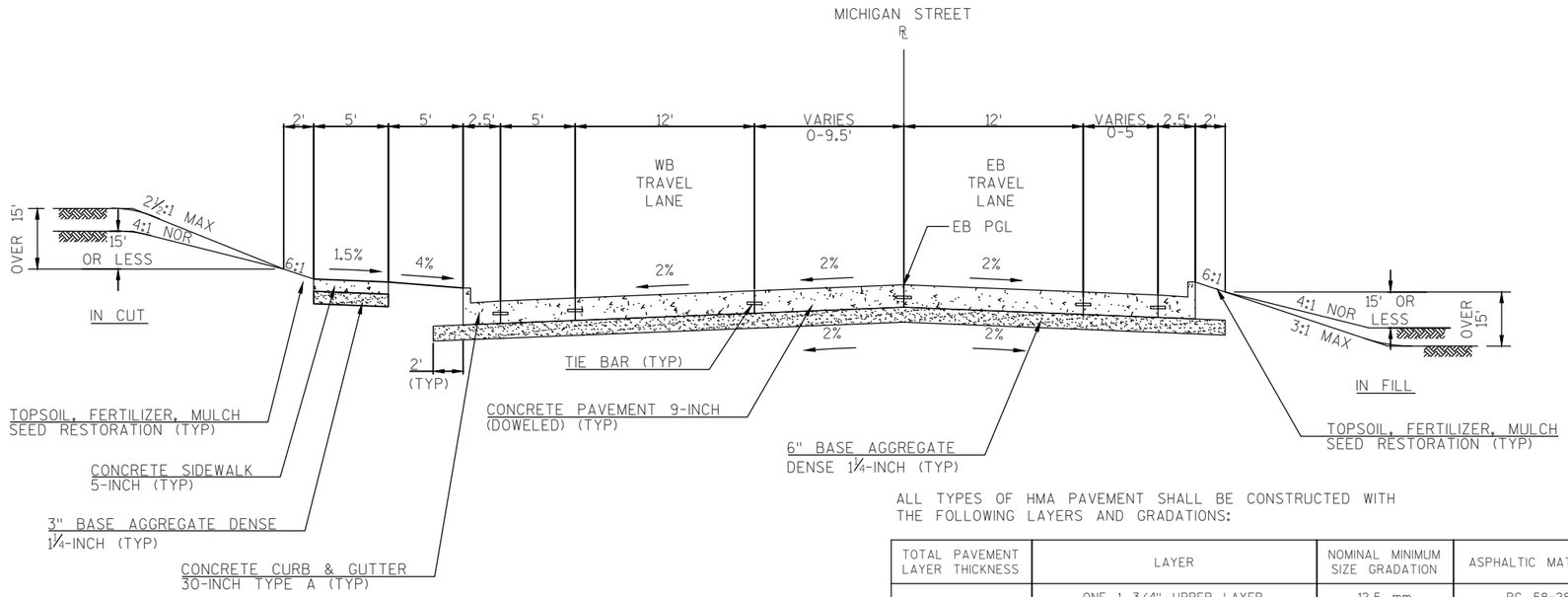


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 13	E



SIDEWALK ONLY - MICHIGAN STREET

STA. 113+08 - STA. 115+60

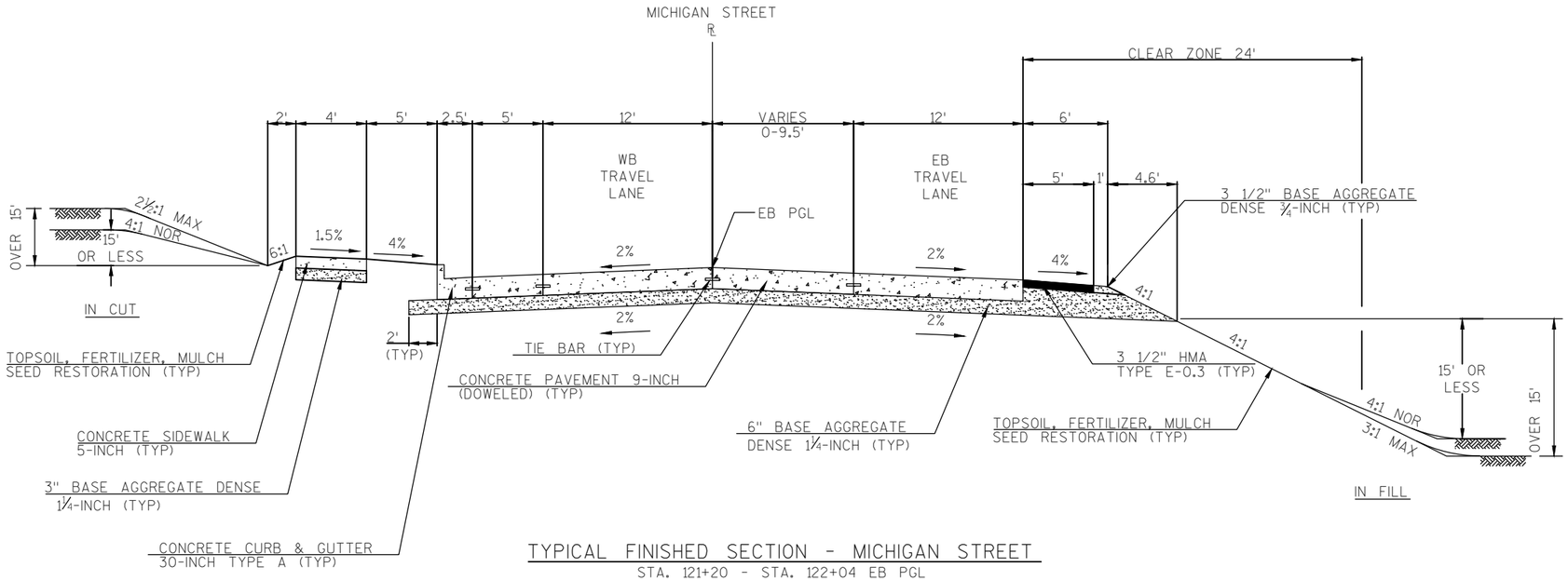


TYPICAL FINISHED SECTION - MICHIGAN STREET

STA. 115+60 - STA. 117+72 EB PGL

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

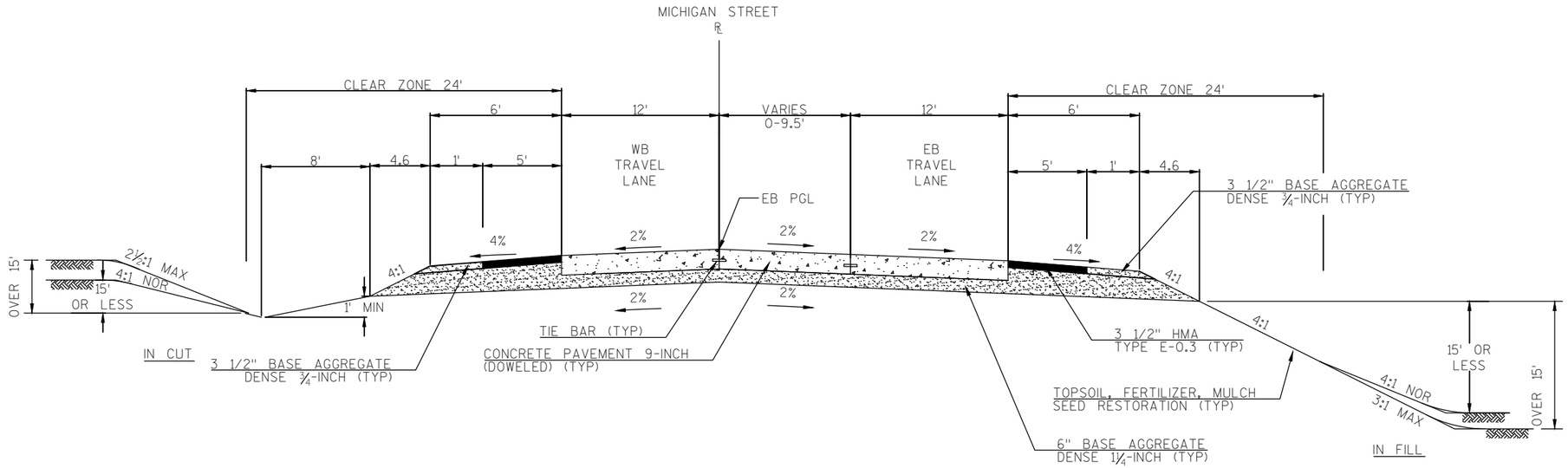
TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28



TYPICAL FINISHED SECTION - MICHIGAN STREET

STA. 121+20 - STA. 122+04 EB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 14	E

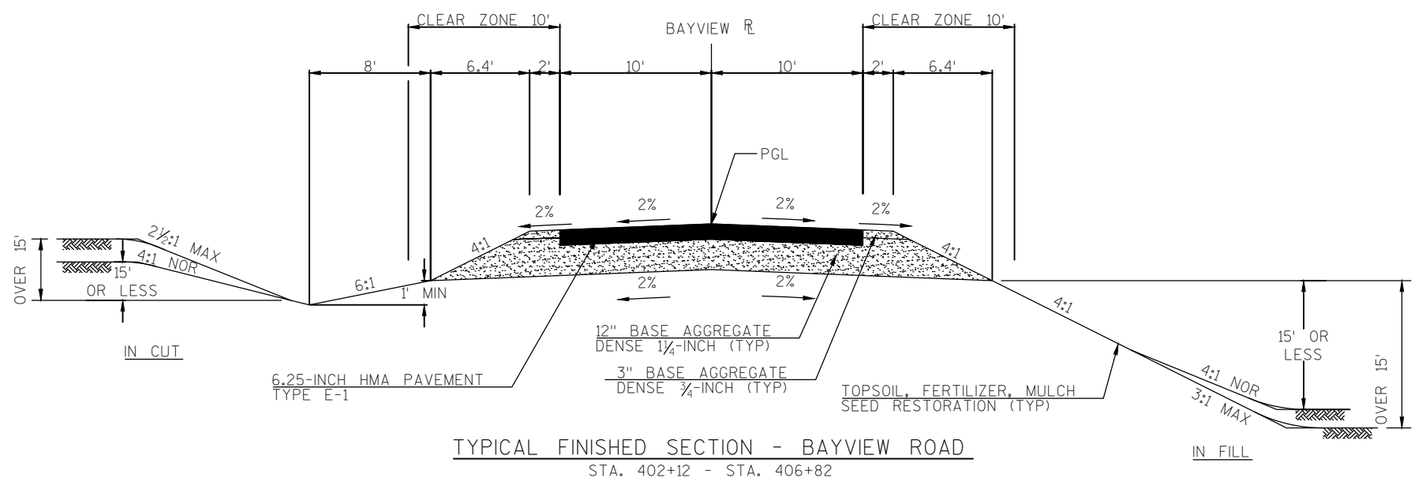


TYPICAL FINISHED SECTION - MICHIGAN STREET

STA. 122+04 - STA. 124+69

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28

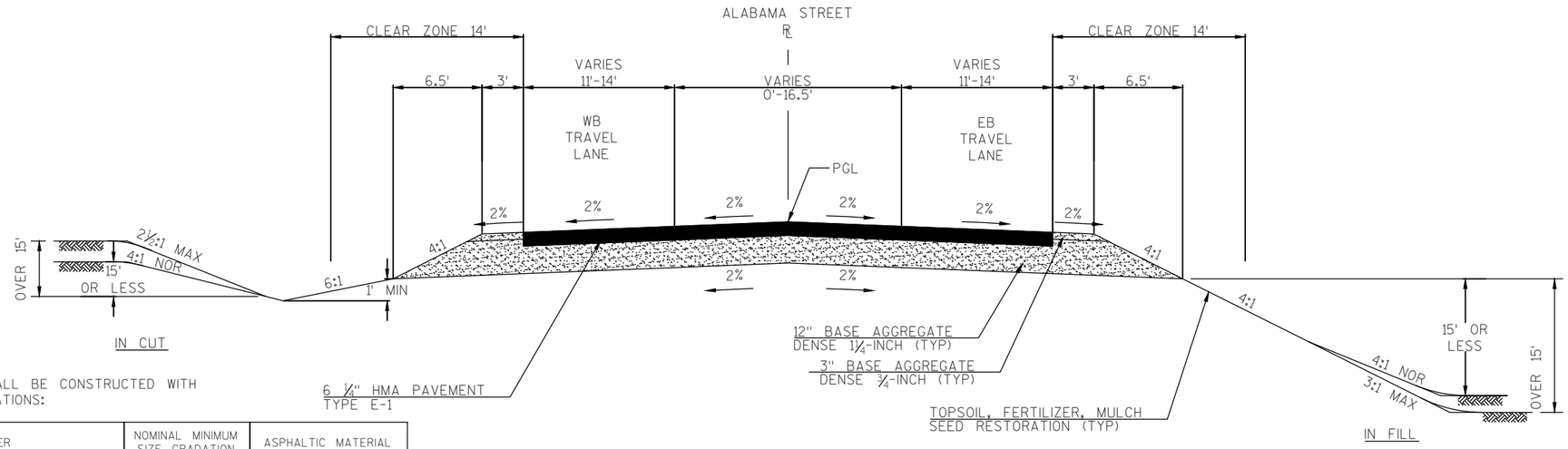


TYPICAL FINISHED SECTION - BAYVIEW ROAD

STA. 402+12 - STA. 406+82

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 15	E

2



ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28

TYPICAL FINISHED SECTION - ALABAMA STREET

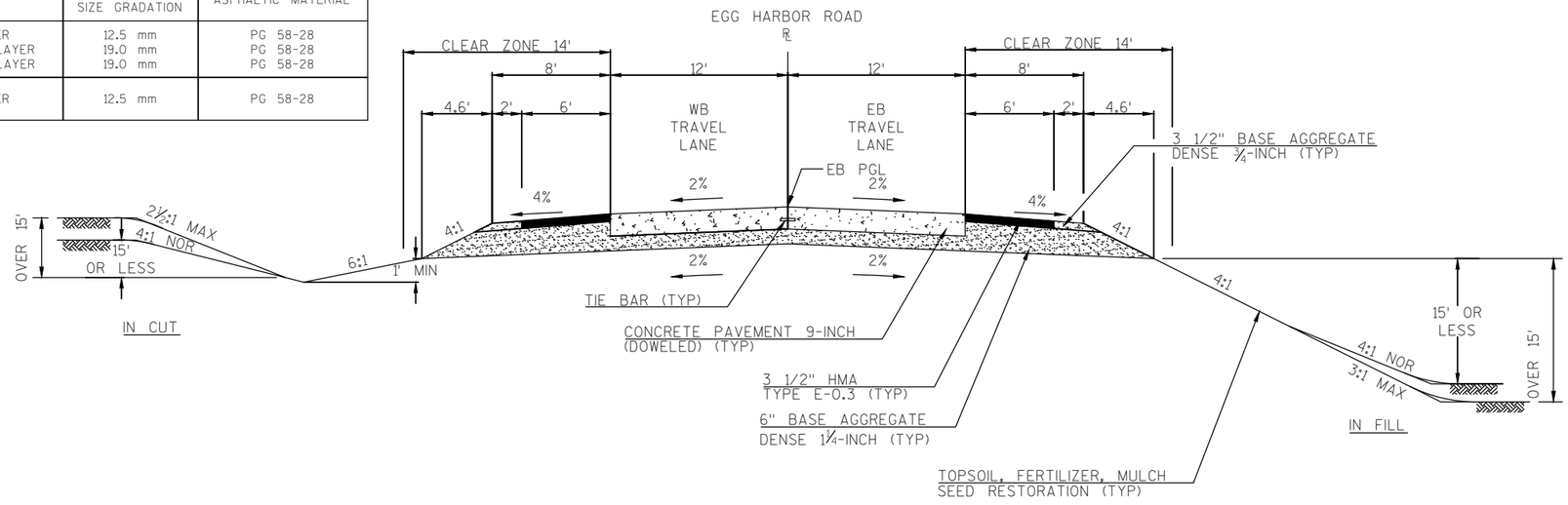
STA. 218+00 - STA. 219+56
STA. 220+20 - STA. 222+05

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 16	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\020301_TS.DWG PLOT DATE : 12/10/2015 9:43 AM PLOT BY : JASEN GROVES PLOT NAME : 020314_TS PLOT SCALE : 1:10_XREF
WISDOT/CADDS SHEET 42

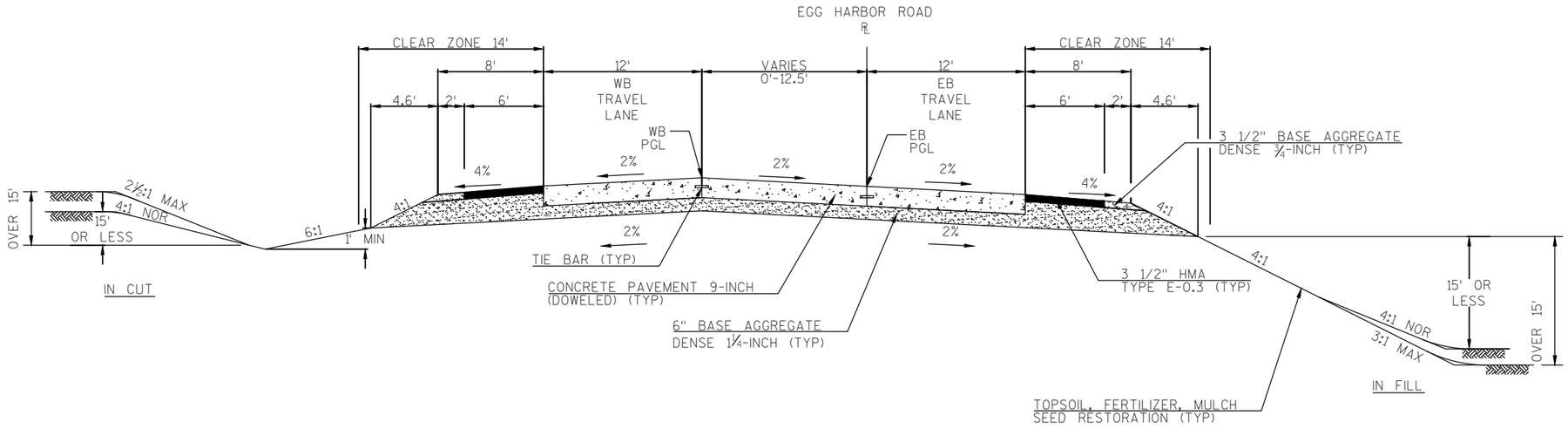
ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MINIMUM SIZE GRADATION	ASPHALTIC MATERIAL
6 1/4"	ONE 1 3/4" UPPER LAYER ONE 2 1/4" UPPER LOWER LAYER ONE 2 1/4" LOWER LOWER LAYER	12.5 mm 19.0 mm 19.0 mm	PG 58-28 PG 58-28 PG 58-28
3 1/2"	ONE 3 1/2" UPPER LAYER	12.5 mm	PG 58-28



TYPICAL FINISHED SECTION - EGG HARBOR ROAD

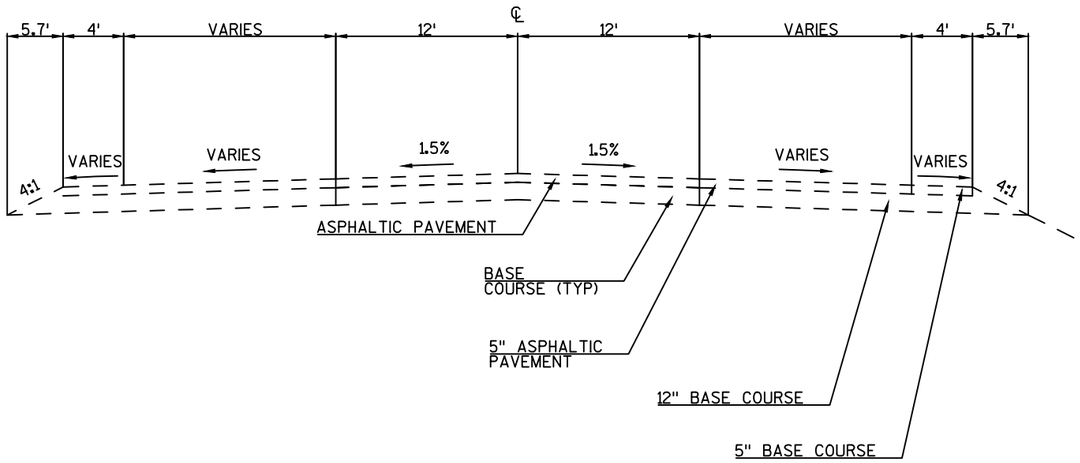
STA. 315+50 - STA. 316+03 EB PGL



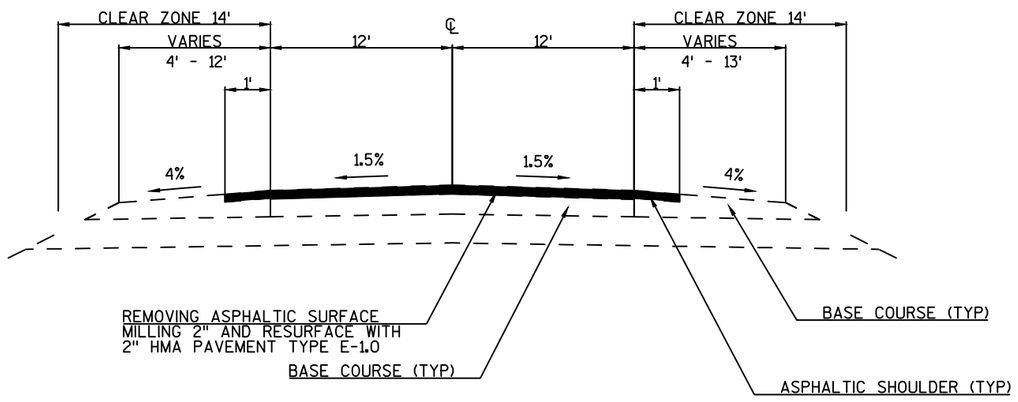
TYPICAL FINISHED SECTION - EGG HARBOR ROAD

STA. 316+03 - STA. 319+11 EB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TYPICAL FINISHED SECTIONS	SHEET 17	E

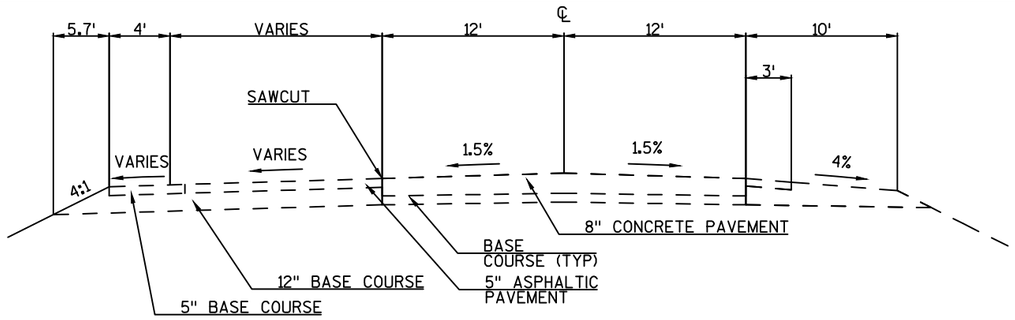


EXISTING TYPICAL SECTION
STA. 1901+50 - STA. 1904+25 EGG HARBOR ROAD
STA. 1904+25 - STA. 1921+25 OLD HIGHWAY ROAD

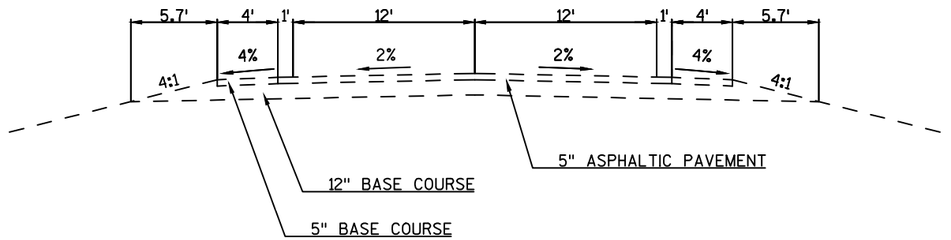


NOTE:
WIDENING IS ON NORTH SIDE ON EGG HARBOR ROAD
WIDENING IS ON WEST SIDE ON OLD HIGHWAY ROAD

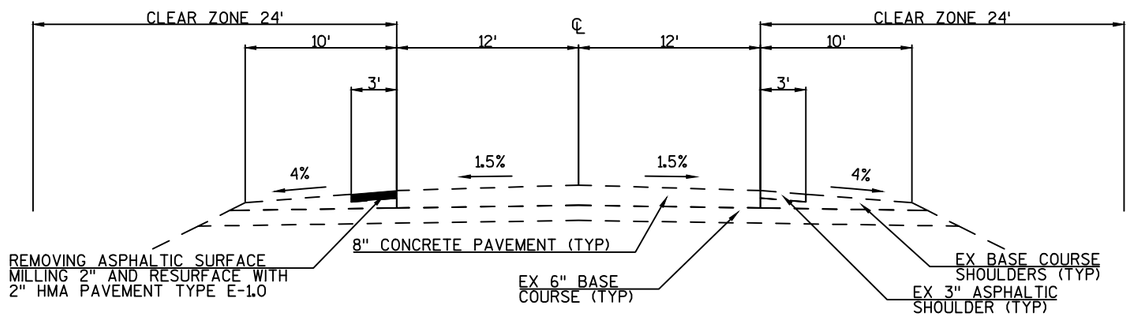
TYPICAL FINISHED SECTION
STA. 1901+50 - STA. 1904+25 EGG HARBOR ROAD
STA. 1904+25 - STA. 1921+50 OLD HIGHWAY ROAD



EXISTING TYPICAL SECTION - WIDENING
STA. 1922+75 - STA. 1924+50 STH 42/57

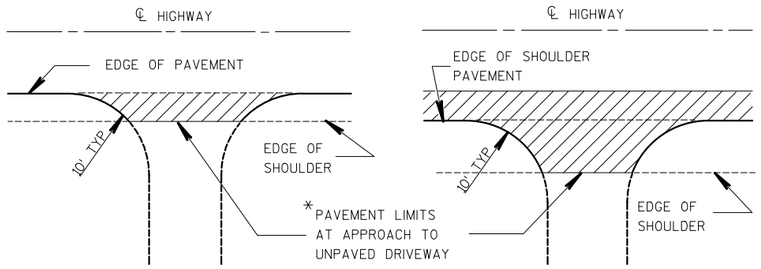


EXISTING TYPICAL SECTION - TEMPORARY ROADWAY
STA. 1921+25 - STA. 1922+75



FINISHED TYPICAL SECTION STH 42/57
STA. 1922+75 - STA. 1924+50

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: TYPICAL EXISTING AND FINISHED SECTIONS	SHEET 18	E

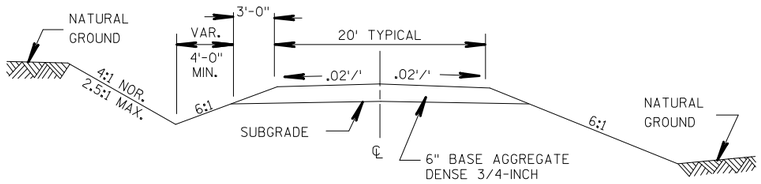


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW

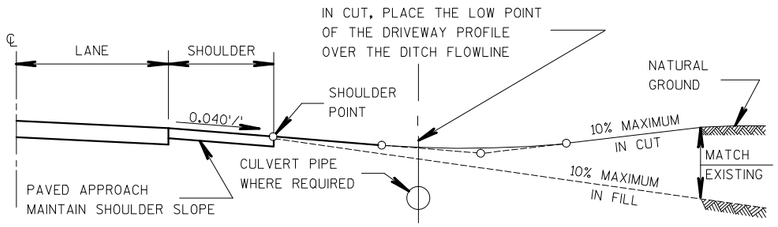
PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL

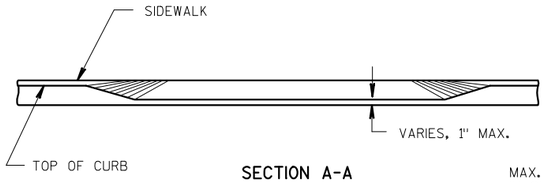


IN CUT **IN FILL**

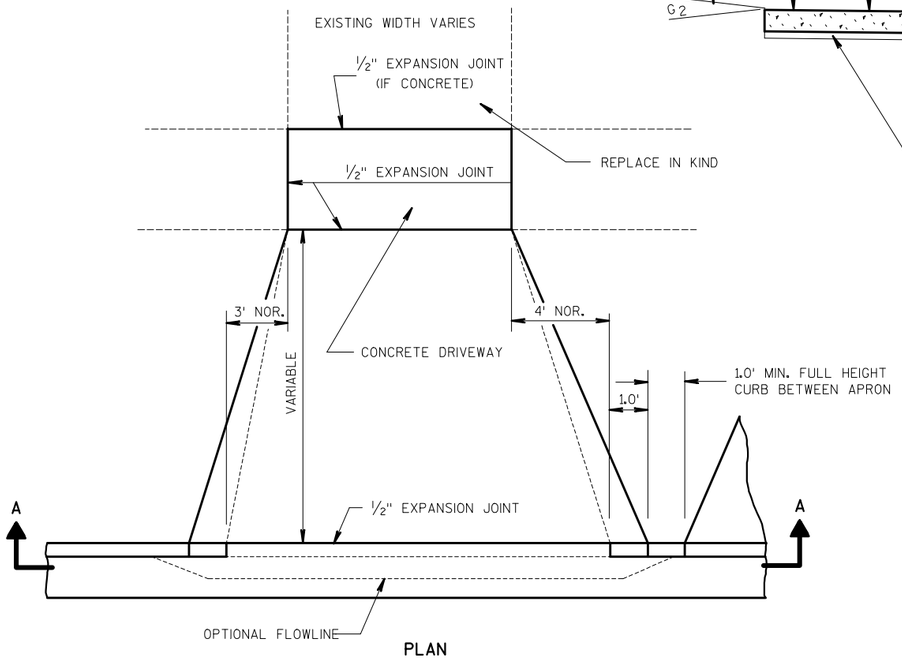
TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE



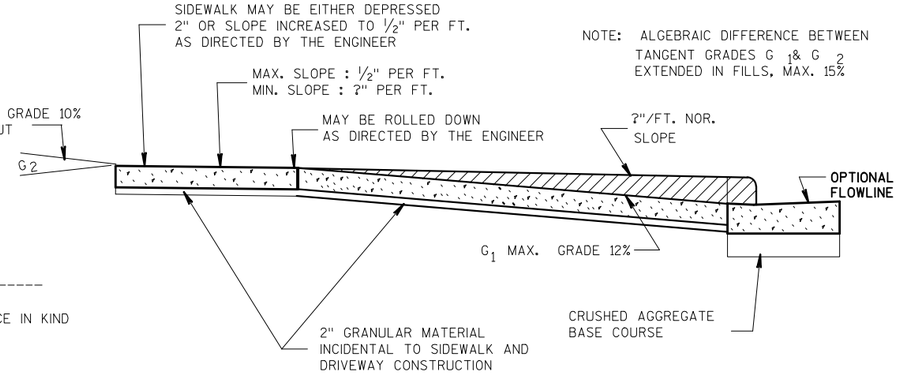
TYPICAL DRIVEWAY PROFILES



SECTION A-A

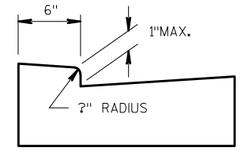


PLAN



PROFILE

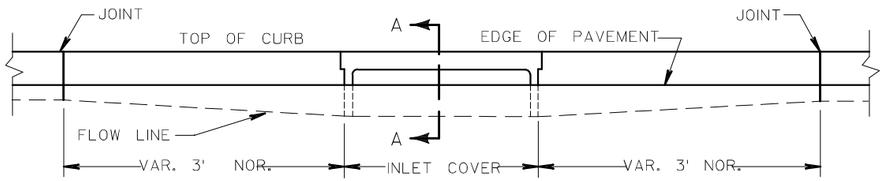
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G_1 & G_2 EXTENDED IN FILLS, MAX. 15%



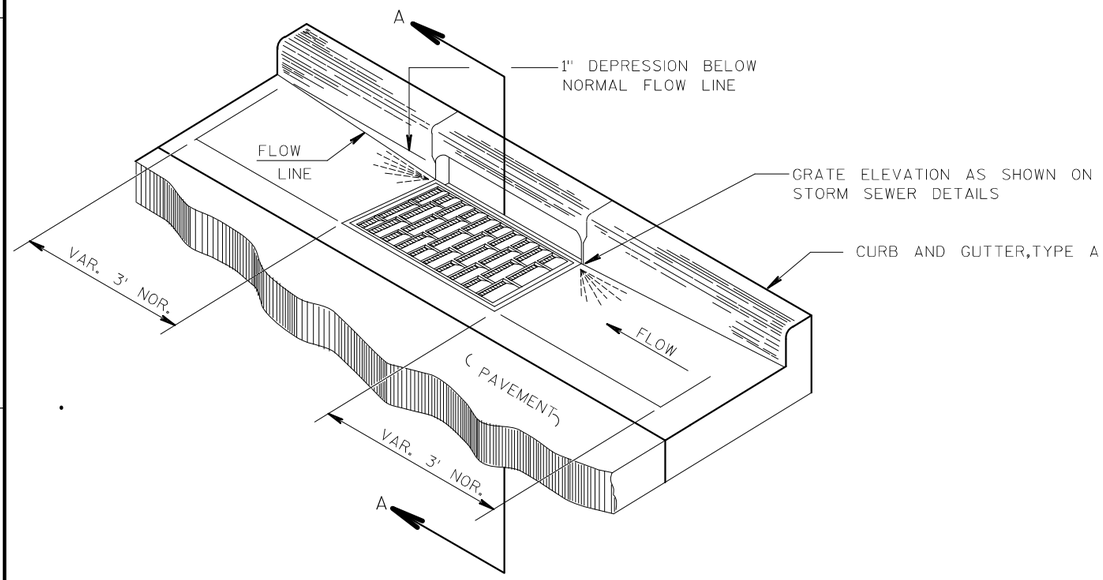
OPTIONAL METHOD FOR CONCRETE GUTTER

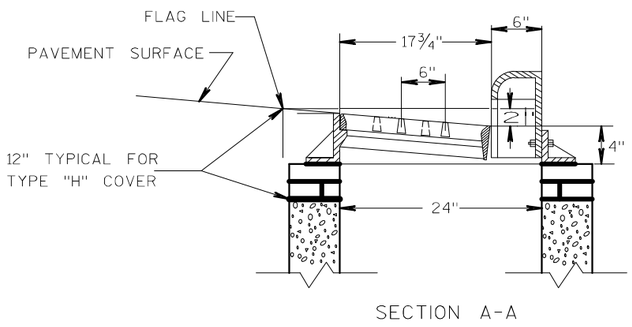
URBAN DRIVEWAY DETAIL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 19	E



ELEVATION

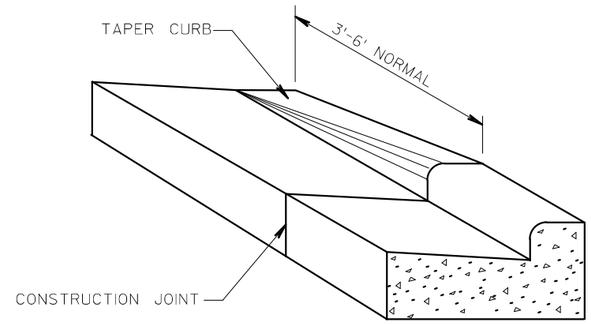




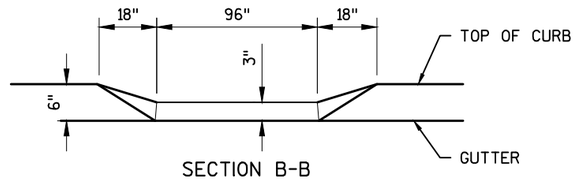
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

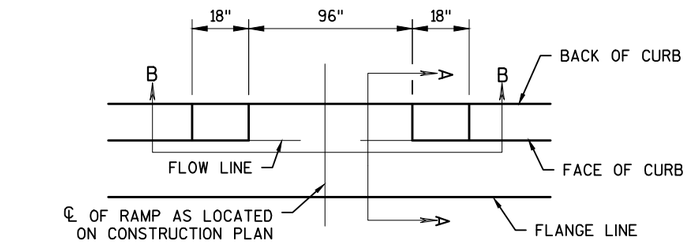
(TYPE 3-H INLET SHOWN)



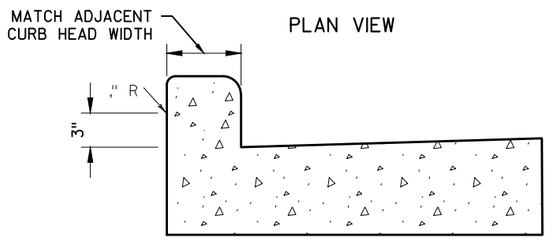
DETAIL OF CURB & GUTTER TERMINI



SECTION B-B



PLAN VIEW



SECTION A-A

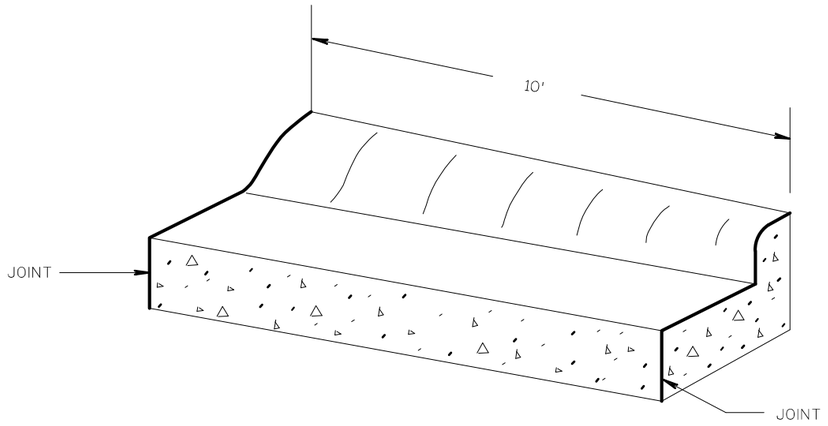
NOTE

PAID FOR AS CURB AND GUTTER. MEASURED ALONG FLOW LINE.

MAINTENANCE OPENING

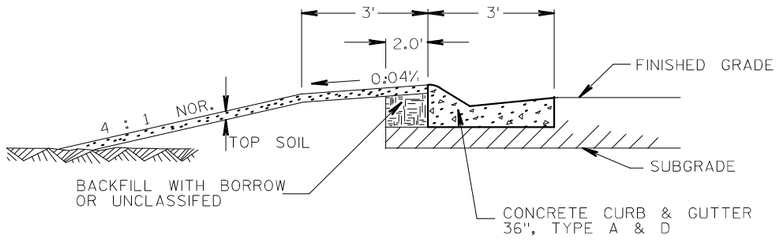
LOCATIONS AS NOTED ON THE PLAN DETAILS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 20	E

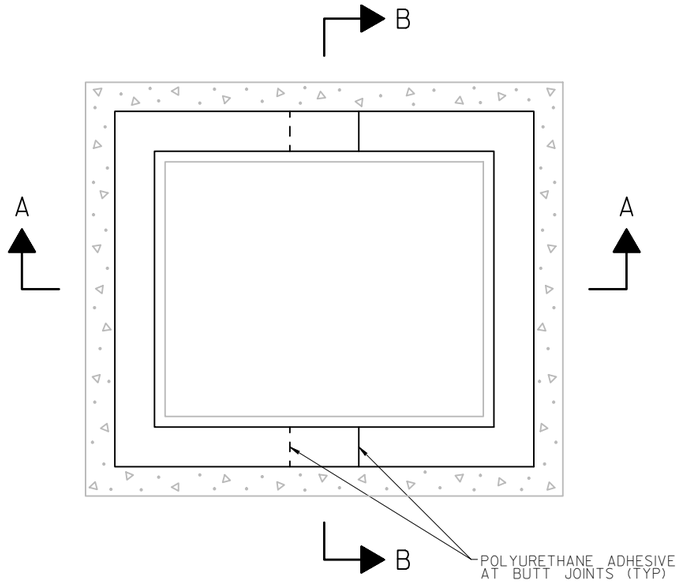


TRANSITION DETAIL

36" TYPE "A" CURB & GUTTER TO 30" TYPE "A" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)



BERM DETAIL BEHIND 36" MOUNTABLE CURB & GUTTER

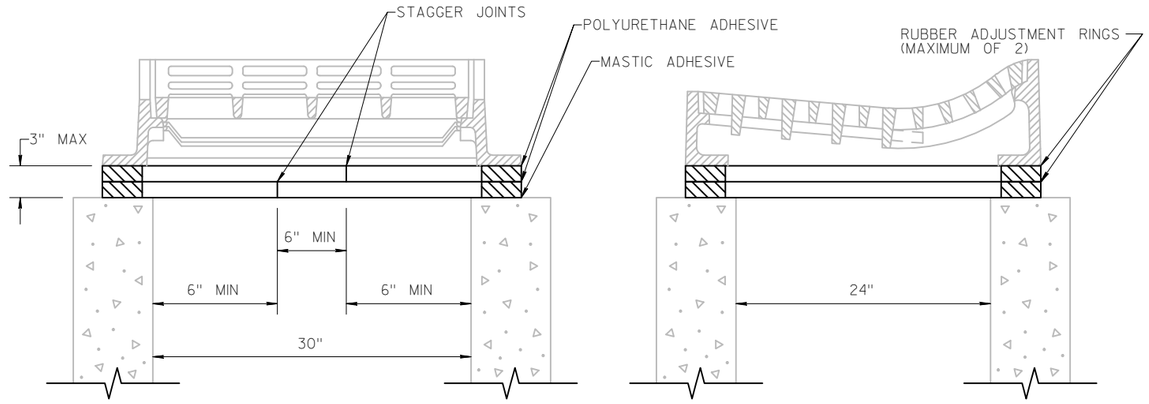


PLAN VIEW

NOTE:

TO BE USED WITH INLETS IN THE CIRCULATING ROADWAY OF ROUNDABOUTS AND OTHER LOCATIONS WHERE IT IS LIKELY VEHICLES WILL RUN OVER THE GRATES. INCLUDE CORRESPONDING SPV

ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.



SECTION A-A

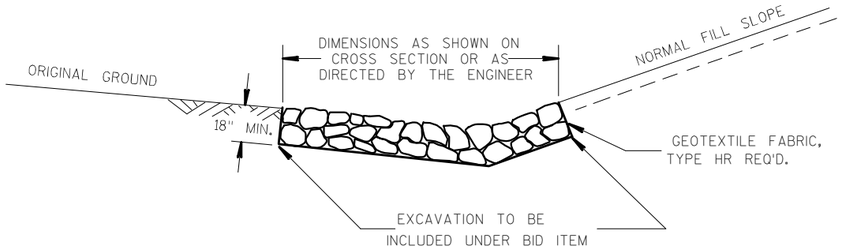
SECTION B-B

RUBBER RING CUTTING DETAIL

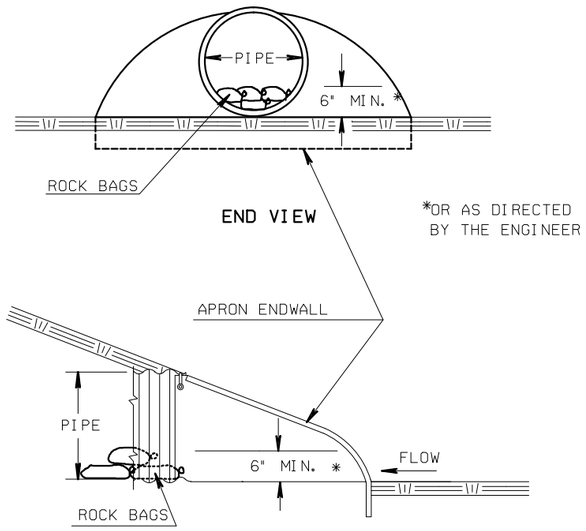
INLET TYPE 4-FT DIAMETER SPECIAL
INLET TYPE 2X2.5-FT SPECIAL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 21	E

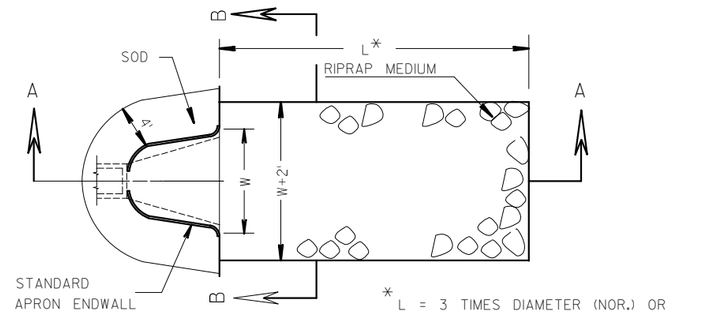
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021001_CD.DWG PLOT DATE : 12/11/2015 9:15 AM PLOT BY : JASEN GROVES PLOT NAME : 021003_CD PLOT SCALE : **********
WISDOT/CADDS SHEET 42

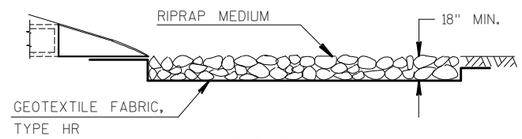


DETAIL FOR RIPRAP MEDIUM IN DITCHES

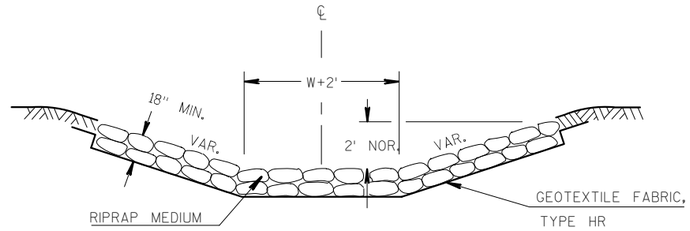


CULVERT PIPE DITCH CHECK



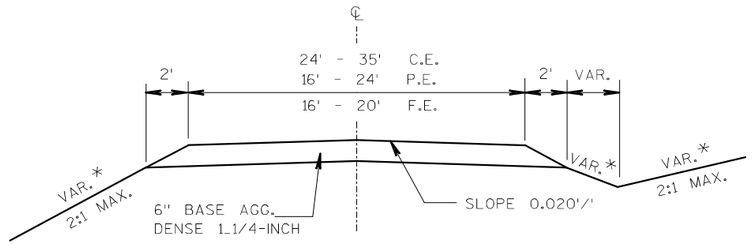


SECTION A-A



SECTION B-B

SOD, RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

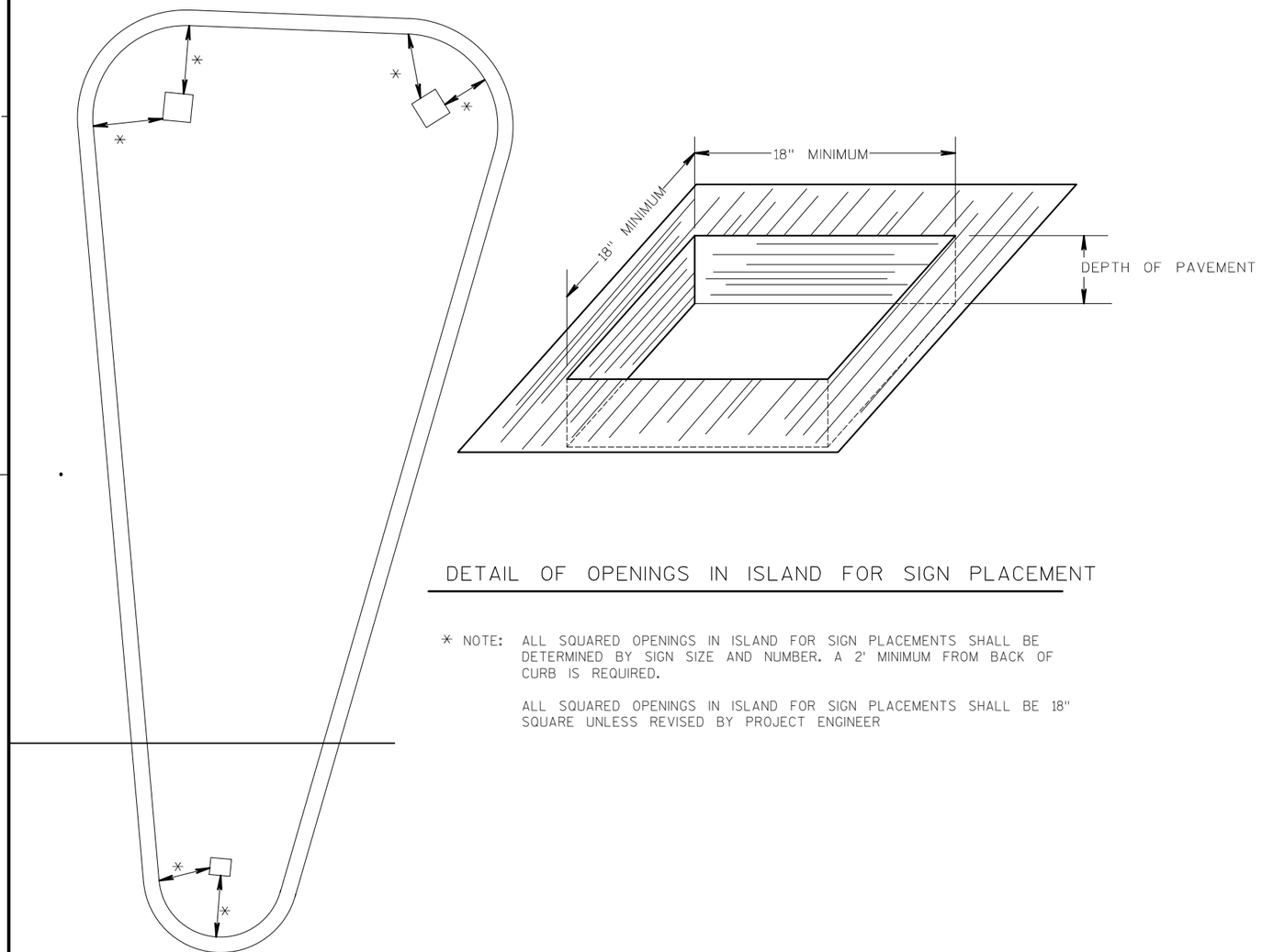


HALF SECTION IN FILL HALF SECTION IN CUT

* 6:1 WITHIN CLEAR ZONE

TYPICAL SECTION FOR PRIVATE ENTRANCES

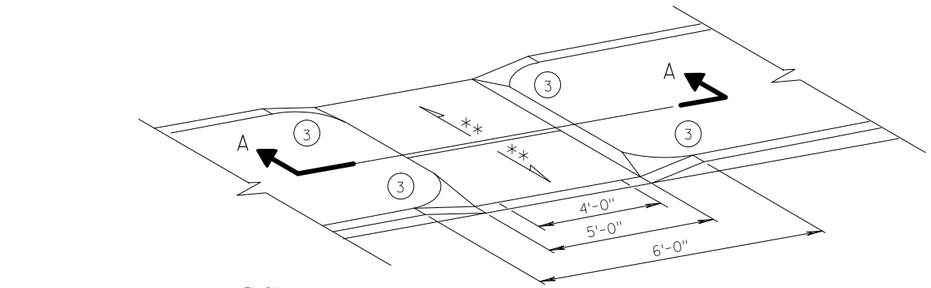
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 22	E

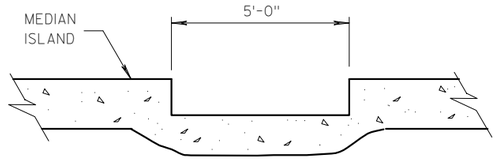


DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT

* NOTE: ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE DETERMINED BY SIGN SIZE AND NUMBER. A 2' MINIMUM FROM BACK OF CURB IS REQUIRED.

ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE 18" SQUARE UNLESS REVISED BY PROJECT ENGINEER





SECTION A-A

MEDIAN ISLAND CROSSING

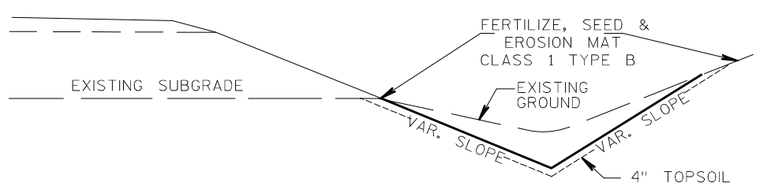
TYPE 5 MOD

GENERAL NOTES

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

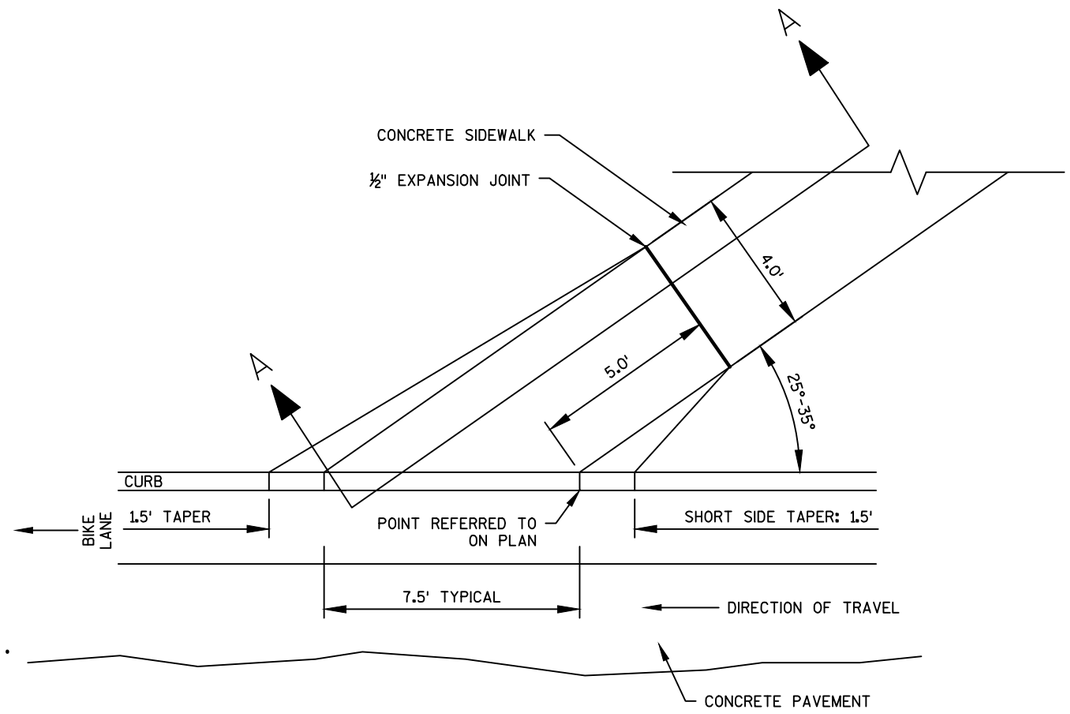
(2) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(3) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

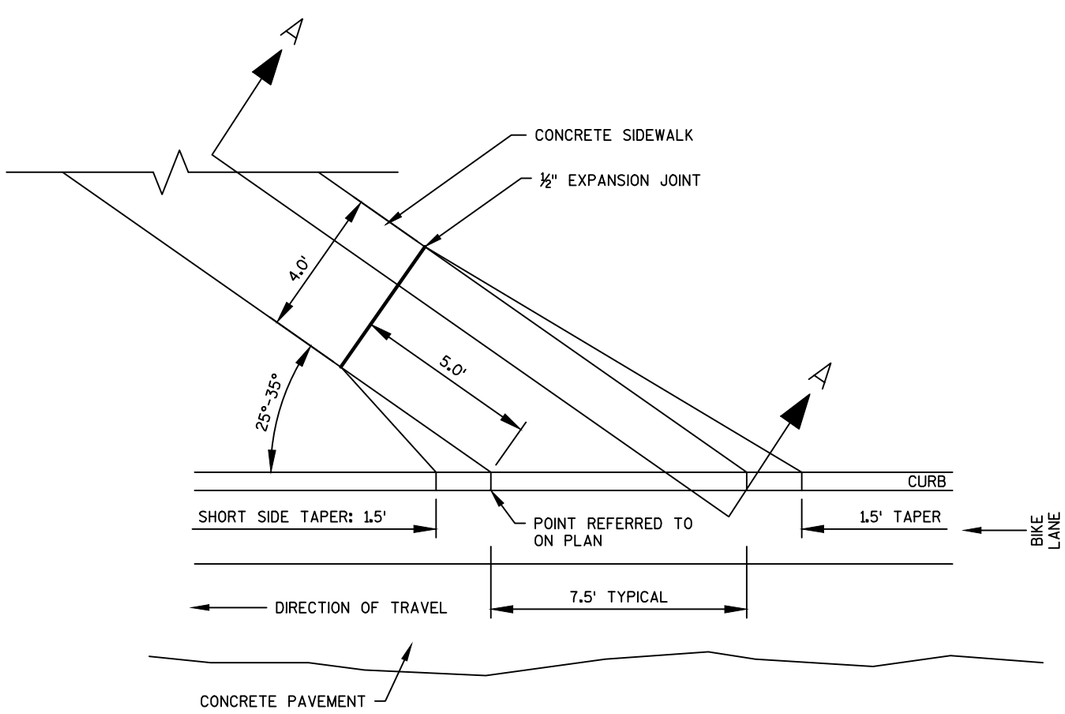


DITCH CLEANING DETAIL

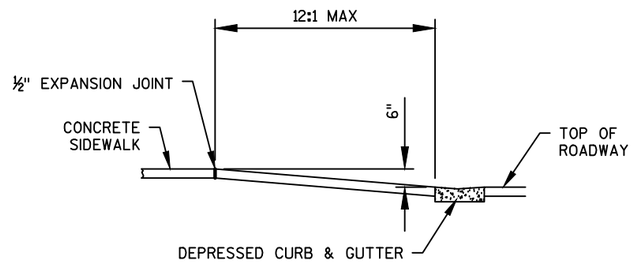
2



BIKE RAMP ENTRANCE

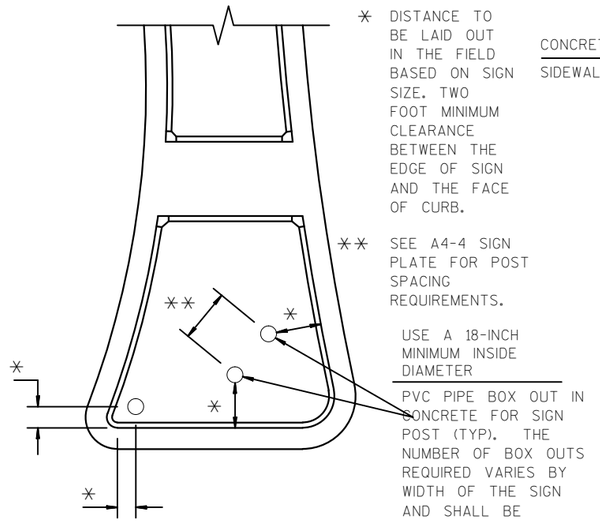


BIKE RAMP EXIT



SECTION A-A

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 24	E



* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

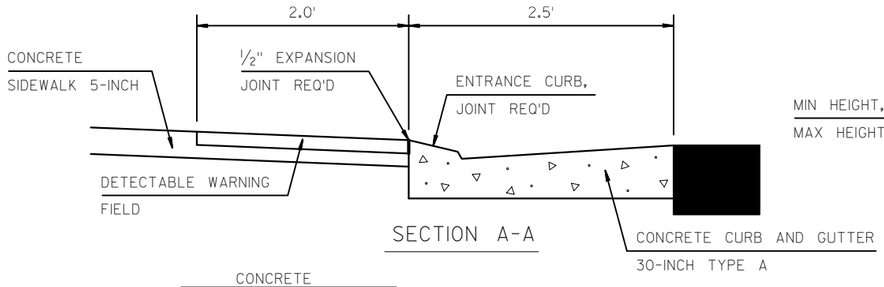
** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

USE A 18-INCH MINIMUM INSIDE DIAMETER

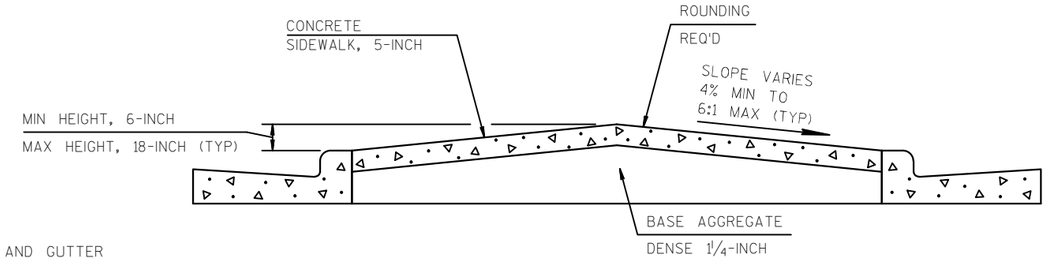
PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)

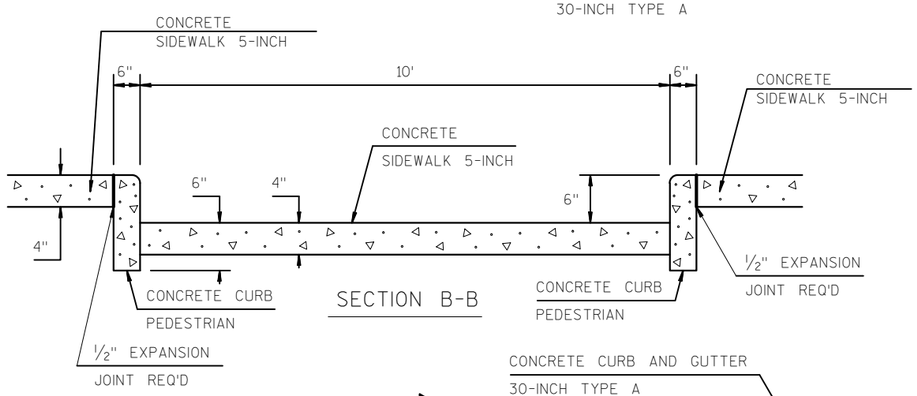
NOTIFY THE REGIONAL TRAFFIC UNIT AT 920-492-5653 A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.



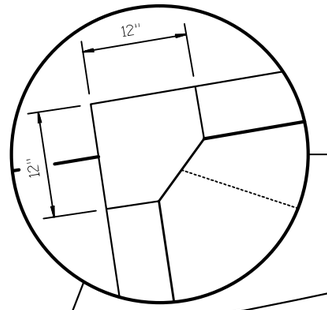
SECTION A-A



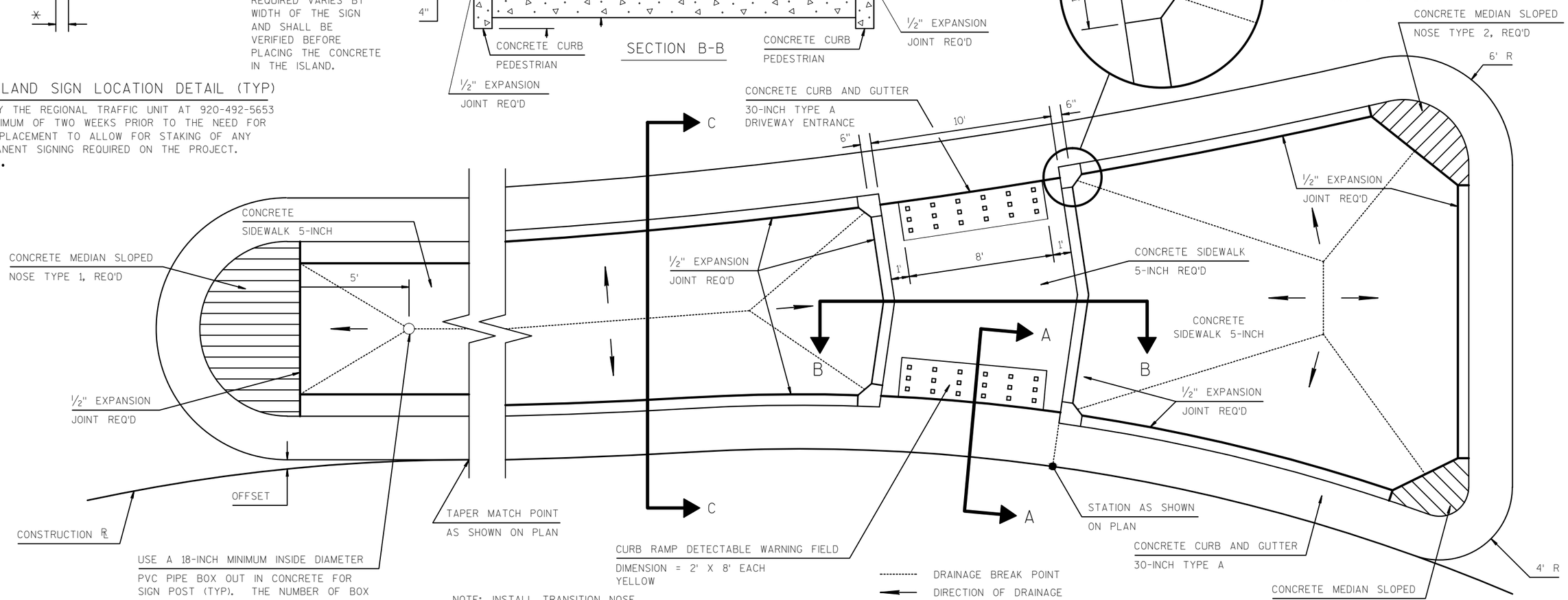
SECTION C-C



SECTION B-B



TRANSITION NOSE TYPICAL
AT 4 CROSSWALK CORNERS



USE A 18-INCH MINIMUM INSIDE DIAMETER

PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

CURB RAMP DETECTABLE WARNING FIELD

DIMENSION = 2' X 8' EACH
YELLOW

NOTE: INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

DRAINAGE BREAK POINT

DIRECTION OF DRAINAGE

SPLITTER ISLAND DETAIL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN: CONSTRUCTION DETAIL	SHEET 25	E

2

SAWING CONCRETE

REMOVING SIDEWALK

BEGIN CONSTRUCTION
STA 115+60.00 MICHIGAN ST ℄

SAWING ASPHALT

SAWING CONCRETE

REMOVING CURB AND GUTTER

MATCHLINE STA. 116+00.00

REMOVING DELINEATORS AND MARKERS STA. 828+25, 56' LT

REMOVING STORM SEWER 18-INCH STA. 834+85

REMOVING INLET STA. 834+85, 30' LT

REMOVING DELINEATORS AND MARKERS STA. 834+22, 78' LT

REMOVING STORM SEWER 18-INCH STA. 839+20

REMOVING INLET STA. 839+20, 30' LT

REMOVING STORM SEWER 12-INCH STA. 834+95

SAWING CONCRETE

REMOVING STORM SEWER 12-INCH STA. 828+25

REMOVING INLET STA. 828+25, 8' LT

826

828

830

832

834

836

838

BEGIN PROJECT
STA 827+00.00 STH 42/57 ℄

REMOVING INLET STA. 828+25, 0' LT

STH 42/57 ℄

REMOVE CONCRETE SIDEWALK

R/W

REMOVING INLET STA. 834+85, 20' LT

REMOVING INLET STA. 834+95, 0' LT

REMOVING CONCRETE SIDEWALK

REMOVING STORM SEWER 12-INCH STA. 839+20

REMOVE TRAFFIC SIGNAL (STH 42/57 & MICHIGAN STREET) (TYP.)

REMOVING SMALL PIPE CULVERT, STA 118+80 (SEE PROPOSED STORM SEWER PLAN FOR THE LIMIT OF CULVERT PIPE REMOVAL AND NEW END WALL LOCATION).

REMOVING CURB AND GUTTER

REMOVING SMALL PIPE CULVERT STA 119+17

REMOVING DELINEATORS AND MARKERS STA. 119+17, 64' RT

REMOVING DELINEATORS AND MARKERS STA. 119+17, 64' LT
STA. 839+20, 72' LT

REMOVING INLET STA. 839+20, 10' LT

REMOVING INLET STA. 839+20, 0' LT

REMOVING CURB AND GUTTER

MATCHLINE STA. 840+00.00

REMOVING SMALL PIPE CULVERT STA. 121+58

CLEARING & GRUBBING

MICHIGAN STREET

MICHIGAN STREET ℄

REMOVING SMALL PIPE CULVERT STA. 124+32

SAWING ASPHALT

END CONSTRUCTION
STA 124+61.18 MICHIGAN ST ℄

PROPOSED R/W

118

122

124

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

REMOVE TRAFFIC SIGNAL (STH 42/57 & MICHIGAN STREET) AND REMOVE CONCRETE BASES

XXXX SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 26	E

2

2

N

MATCHLINE STA. 840+00.00

MATCHLINE STA. 855+00.00

REMOVING DELINEATORS
AND MARKERS
STA 843+90, 82' LT

R/W

REMOVING STORM
SEWER 18-INCH
STA. 843+90

REMOVE CONCRETE SIDEWALK

REMOVING INLET
STA. 843+90, 30' LT

STH 42/57 ℄

REMOVING STORM
SEWER 12-INCH
STA. 843+90

REMOVE CONCRETE SIDEWALK

842 844 846 848 850 852 854

REMOVING INLET
STA. 843+90, 0' LT

R/W

SAWING ASPHALT
STA 406+82.41 BAYVIEW ROAD ℄
SEE PLAN & PROFILE

PROPOSED R/W

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 27	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021002_RE.DWG PLOT DATE : 12/10/2015 9:47 AM PLOT BY : JASEN GROVES PLOT NAME : 020503_RE PLOT SCALE : 1:100_XREF

2

2

N

R/W

STH 42/57 ℄

MATCHLINE STA. 855+00.00

MATCHLINE STA. 870+00.00

R/W

OH

FO

FIBER CAP

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

xxxx SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 28	E

2

2

N

MATCHLINE STA. 870+00.00

MATCHLINE STA. 885+00.00

R/W

STH 42/57 ℄

870 875 880 885 890

R/W

FO

OH

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

xxxx SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 29	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021002_RE.DWG PLOT DATE : 12/10/2015 9:47 AM PLOT BY : JASEN GROVES PLOT NAME : 020505_RE PLOT SCALE : 1:100_XREF

2

2

N

ALABAMA STREET

216

218

222

224

ALABAMA STREET ℄

BEGIN CONSTRUCTION
STA 218+00.00 ALABAMA ST ℄

R/W

REMOVING CURB AND GUTTER

STH 42/57 ℄

STH 42/57

REMOVING SMALL PIPE CULVERT STA. 220+47

FILLED CAP

END CONSTRUCTION
STA 222+05.00 ALABAMA ST ℄

MATCHLINE STA. 885+00.00

MATCHLINE STA. 900+00.00

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

XXXX SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 30	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021002_RE.DWG PLOT DATE : 12/10/2015 9:47 AM PLOT BY : JASEN GROVES PLOT NAME : 020506_RE PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2

2

SAWING ASPHALT

SAWING ASPHALT

SAWING CONCRETE

BEGIN CONSTRUCTION
STA 315+50.00 EGG HARBOR ROAD ℄

EGG HARBOR ROAD

EGG HARBOR ROAD ℄

REMOVING SMALL
PIPE CULVERT
STA. 319+66

REMOVING DELINEATORS
AND MARKERS
STA. 320+45, 23' RT

STH 42/57 ℄

MATCHLINE STA. 900+00.00

R/W

REMOVING GUARDRAIL
STA. 909+65-910+94

STH 42/57

CLEARING &
GRUBBING

REMOVING SMALL
PIPE CULVERT
STA. 906+70

END PROJECT
STA 914+94.24 STH 42/57 ℄

TLE

EGG HARBOR
CONNECTOR ℄

OLD HIGHWAY ROAD

1908

1910

1912

1914

N

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

SAWCUT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 31	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021002_RE.DWG PLOT DATE : 12/10/2015 9:47 AM PLOT BY : JASEN GROVES PLOT NAME : 020507_RE PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2

2

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

xxxx SAWCUT

N

BEGIN CONSTRUCTION
STA 1901+50 EGG HARBOR CONNECTOR ℄

REMOVE TEMPORARY ROAD
AFTER THE OPENING OF
STH 42/57 (INCLUDED IN THE
COST OF OBLITERATING OLD ROAD)

EGG HARBOR CONNECTOR ℄

1900
1902
1904
1906
1908
1910
1912

SAWING
ASPHALT

SAWING
ASPHALT

EGG HARBOR ROAD

314

OLD HIGHWAY ROAD

R/W

REMOVING SMALL
PIPE CULVERT
STA. 1903+71

EGG HARBOR ROAD ℄

STH 42/57

MATCHLINE STA. 1914+00.00

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 32	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021002_RE.DWG PLOT DATE : 12/10/2015 9:47 AM PLOT BY : JASEN GROVES PLOT NAME : 020508_RE PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2

LEGEND

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

xxxx SAWCUT

N

MATCHLINE STA. 1914+00.00

OLD HIGHWAY ROAD

STH 42/57

REMOVE TEMPORARY ROAD AFTER THE OPENING OF STH 42/57 (INCLUDED IN THE COST OF OBLITERATING OLD ROAD)

SAWING ASPHALT

EGG HARBOR CONNECTOR ℄

REMOVING SMALL PIPE CULVERT
STA. 1921+40
STA. 1922+68

SAWING ASPHALT

STH 42/57 ℄

END CONSTRUCTION
STA 1924+50.00 EGG HARBOR CONNECTOR ℄

END PROJECT
STA 914+94.24 STH 42/57 ℄

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	REMOVAL DETAILS	SHEET 33	E

2

N

STH 42/57

812+00

STH 42/57 ℄

REMOVING CONCRETE SIDEWALK

50'

A

C

45'

REMOVING CURB & GUTTER

REMOVING CURB & GUTTER

REMOVING PAVEMENT MARKINGS (DOUBLE YELLOW) STA. 20+95-21+20

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) STA. 18+00-22+50

17+00 18+00 19+00 20+00 21+00 22+00 23+00

UTAH STREET

REMOVING PAVEMENT MARKINGS (DOUBLE YELLOW) STA. 17+66-18+57

REMOVING CURB & GUTTER

REMOVING CURB & GUTTER

35'

UTAH STREET ℄

REMOVING CONCRETE SIDEWALK (TYP)

REMOVING CURB & GUTTER (TYP)

REMOVAL DETAIL SECTION A-A

5" ASPHALTIC SURFACE TEMPORARY

13" BASE AGGREGATE DENSE 1 1/4-INCH

TEMPORARY PAVEMENT DETAIL

REMOVAL

NOTES:
1. SEE TRAFFIC CONTROL PLANS FOR STH 42/57 CLOSURE
2. SEE PERMANENT SIGNING PLANS FOR TYPE II SIGN REMOVALS

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
100	18+41.81	75.62' RT	155878.49	500891.02	68.4'
101	18+58.38	65.75' RT	155888.21	500907.67	64.4'
102	20+08.58	27.34' RT	155925.26	501058.21	49.4'
103	19+39.75	13.52' LT	155966.74	500989.75	60.2'
104	20+96.79	76.75' LT	156028.55	501147.36	60'
105	20+81.28	70.74' LT	156022.68	501131.79	60'

STH 42/57 ℄

STA. 20+48.90,33.18LT
STA. 811+72.33,29.14RT NB

CONCRETE SIDEWALK 5-INCH ON 3" BASE AGGREGATE DENSE 1 1/4-INCH

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH DRILLED TIE BARS

STA. 20+46.62,28.03LT
STA. 811+66.73,29.35RT NB

105

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J

CONCRETE SIDEWALK 5-INCH ON 3" BASE AGGREGATE DENSE 1 1/4-INCH

STA. 18+68.27,7.14RT
STA. 810+54.16,114.15LT NB

104

103

PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW) STA. 20+60-22+75

CONCRETE MEDIAN SLOPED NOSE TYPE 1

17+00 18+00 19+00 20+00 21+00 22+00 23+00

UTAH STREET

STA. 20+71.76,16.52LT
STA. 811+67.43,57.00RT NB

CONCRETE MEDIAN SLOPED NOSE TYPE 1

101

102

811+00

UTAH STREET ℄

5' TYP

100

PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW) STA. 17+75-18+75

PAVEMENT MARKING CURB EPOXY (YELLOW)

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J

C
XXXXXXXXXX
A
XXXXXXXXXX SAWING CONCRETE

SAWING ASPHALT

ASPAHLTIC SURFACE TEMPORARY

ASPHALTIC SURFACE

60

RESTORATION

5" ASPHALTIC SURFACE

13" BASE AGGREGATE DENSE 1-1/4"

RESTORATION DETAIL SECTION C-C

3" BASE AGGREGATE DENSE 1-1/4INCH

CONCRETE SIDEWALK 5-INCH

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J

DRILLED TIE BARS

RESTORATION DETAIL SECTION B-B

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - UTAH STREET INTERSECTION	SHEET 34	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021100-1_ID.DWG PLOT DATE : 12/15/2015 8:26 AM PLOT BY : VLAICU MATEI PLOT NAME : 050100 PLOT SCALE : 1:40_XREF

2

2

LAKE SHORE HEALTH SERVICES, INC.
1843 MICHIGAN STREET

N

STH 42/57 SB PGL

STH 42/57

+00.00 NB
14.00'LT

825NB

826NB

827NB

828SB

828NB

829SB

829NB

830SB

830NB

831

4'

14'

O

N

B

STH 42/57 NB PGL

BEGIN PROJECT
STA 827+00.00
SAW AND MATCH

+00.00 NB
14.00'RT

XXX

MATCHLINE 831+00.00

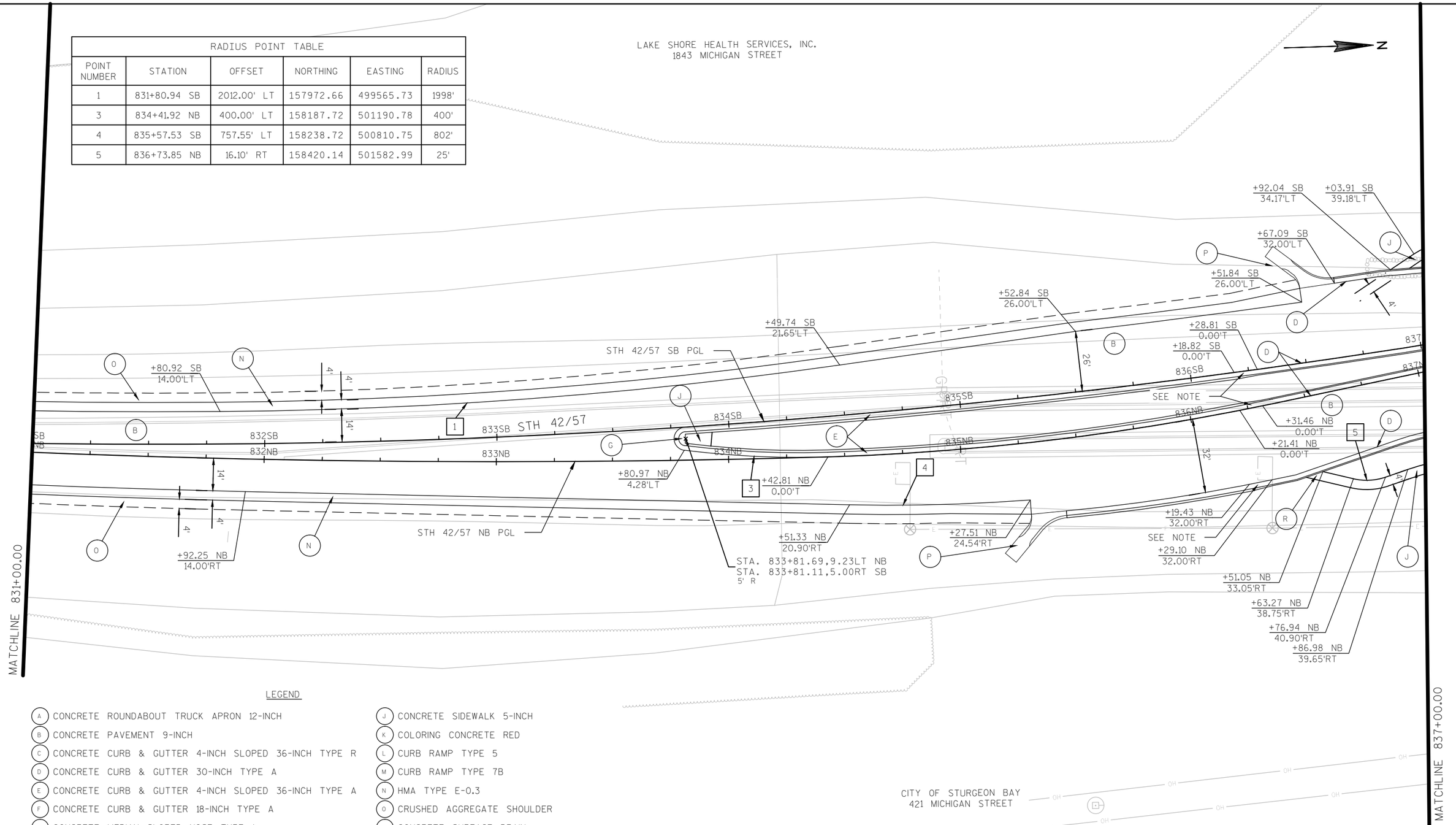
CITY OF STURGEON BAY
421 MICHIGAN STREET

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 35	E

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
1	831+80.94 SB	2012.00' LT	157972.66	499565.73	1998'
3	834+41.92 NB	400.00' LT	158187.72	501190.78	400'
4	835+57.53 SB	757.55' LT	158238.72	500810.75	802'
5	836+73.85 NB	16.10' RT	158420.14	501582.99	25'



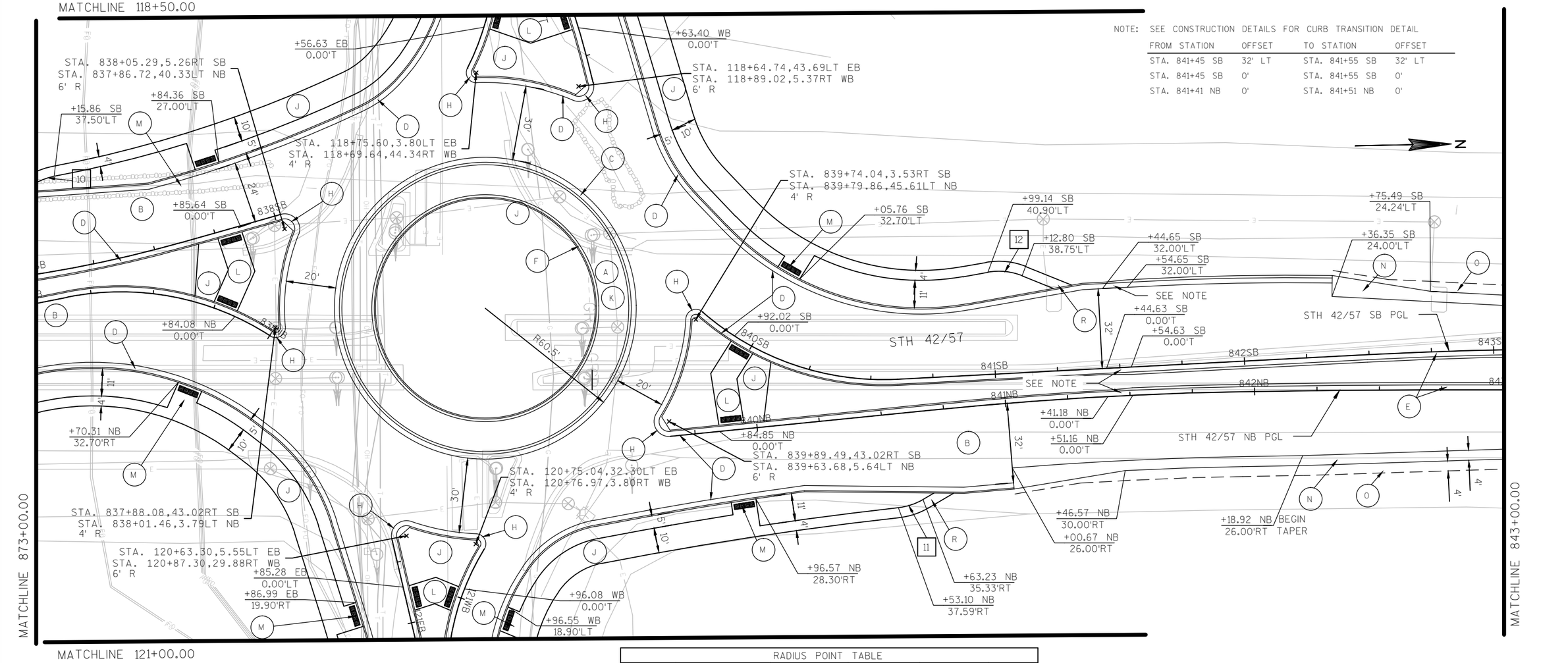
LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

NOTE: SEE CONSTRUCTION DETAILS FOR CURB TRANSITION DETAIL

FROM STATION	OFFSET	TO STATION	OFFSET
STA. 836+19 SB	0'	STA. 836+29 SB	0'
STA. 836+21 NB	0'	STA. 836+31 NB	0'
STA. 836+19 NB	32' RT	STA. 836+29 NB	32 'RT

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 36	E



NOTE: SEE CONSTRUCTION DETAILS FOR CURB TRANSITION DETAIL

FROM STATION	OFFSET	TO STATION	OFFSET
STA. 841+45 SB	32' LT	STA. 841+55 SB	32' LT
STA. 841+45 SB	0'	STA. 841+55 SB	0'
STA. 841+41 NB	0'	STA. 841+51 NB	0'

RADIUS POINT TABLE

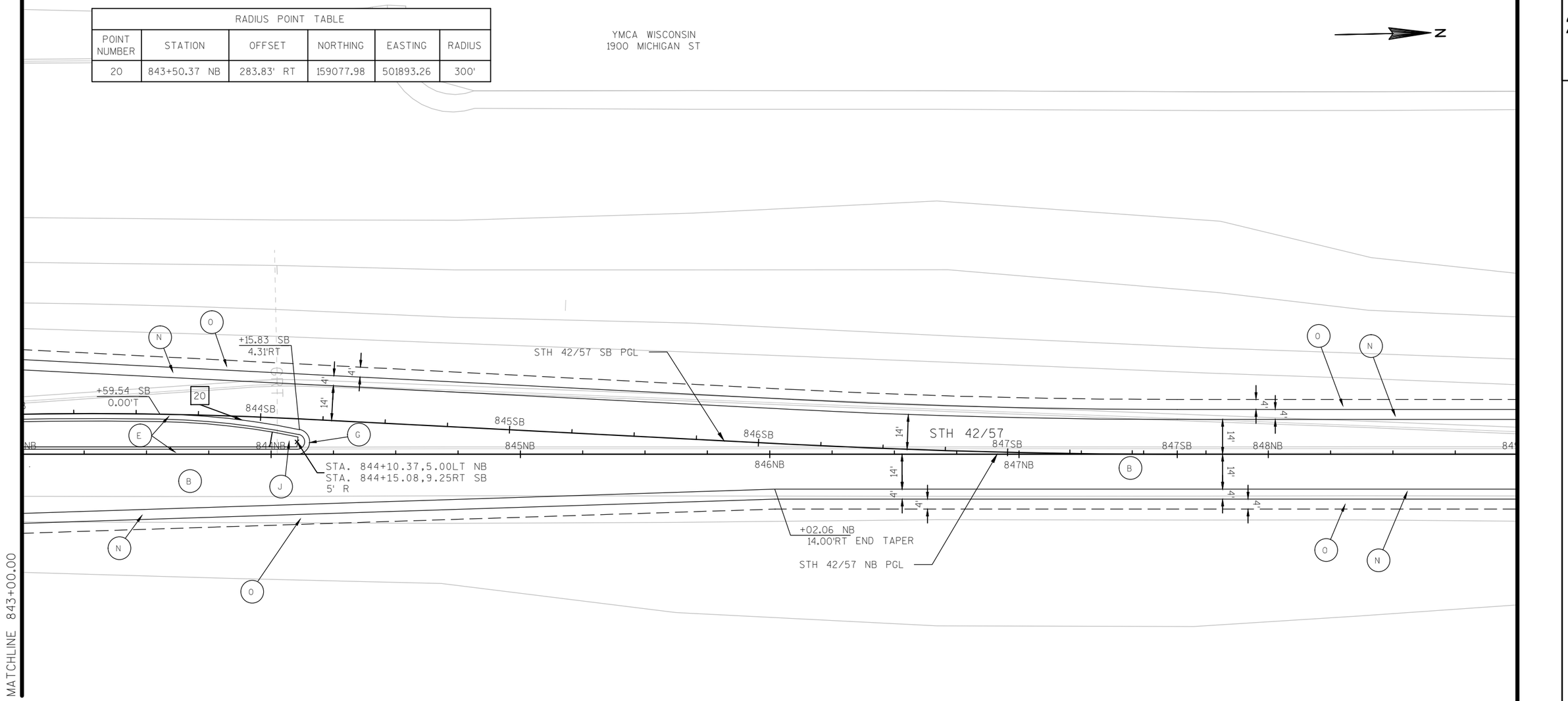
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
10	837+15.88 SB	12.50' LT	158458.09	501535.89	25'
11	840+52.83 NB	12.60' RT	158787.3	501625.91	25'
12	841+02.25 SB	16.10' LT	158831.2	501581.9	25'

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 37	E

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
20	843+50.37 NB	283.83' RT	159077.98	501893.26	300'



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 38	E

2

2

DOOR COUNTY YMCA
1900 MICHIGAN ST

N

NB 850NB 851NB 852NB 853NB 854NB 85

14'
4'
4'
14'
4'
4'

STH 42/57

STH 42/57 NB PGL

MATCHLINE 849+00.00

MATCHLINE 855+00.00

NATURES HARVEST LAND COMPANY
1901 MICHIGAN ST

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 39	E

2

2

N

O

N

B

4'

4'

14'

14'

4'

4'

NB

856NB

857NB

858NB

859NB

860NB

86

STH 42/57

B

STH 42/57 NB PGL

O

N

MATCHLINE 855+00.00

MATCHLINE 861+00.00

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

OH

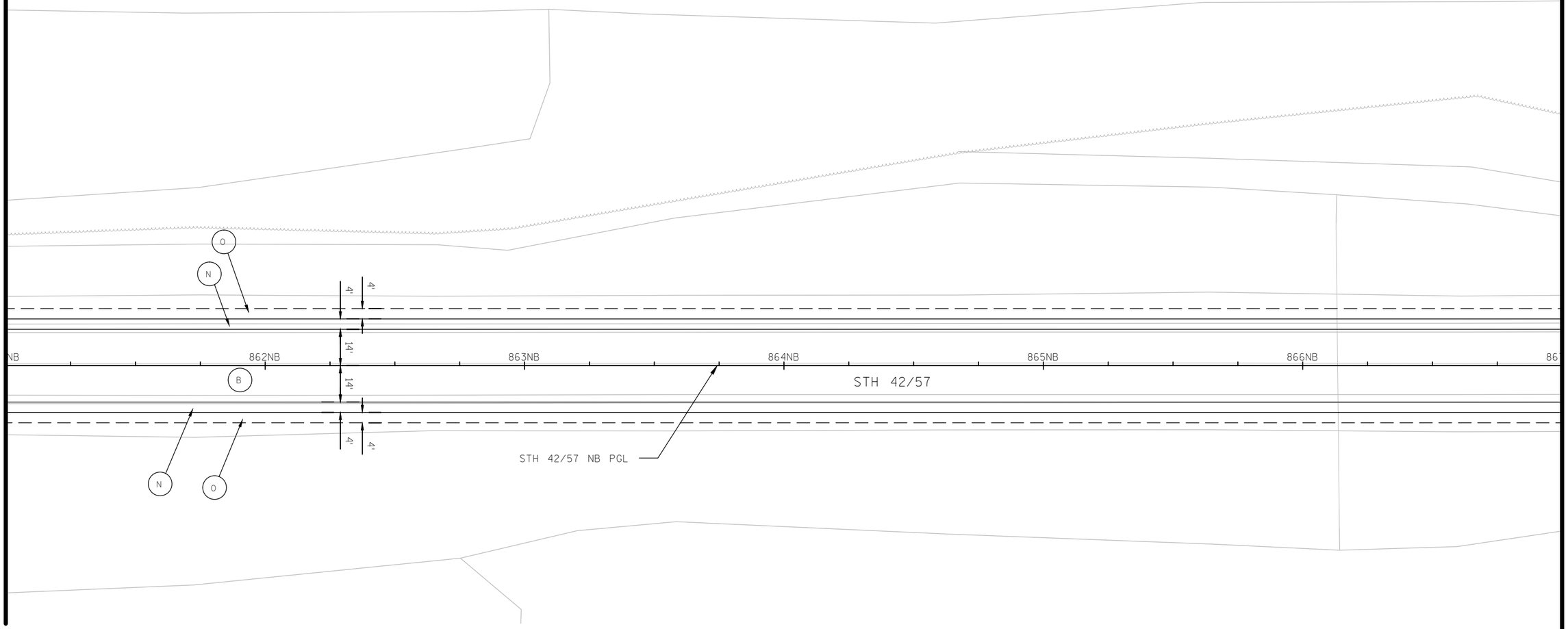
NATURES HARVEST LAND COMPANY
1901 MICHIGAN ST

FO

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 40	E

2

N



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 41	E

2

2

N

N

O

4'

4'

14'

NB

868NB

869NB

870NB

871NB

872NB

B

14'

STH 42/57

4'

4'

STH 42/57 NB PGL

N

O

MATCHLINE 867+00.00

MATCHLINE 873+00.00

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

FO FO FO FO FO FO FO

OH OH OH OH OH OH OH

OH OH OH OH OH OH OH

CITY OF STURGEON BAY
1902 MICHIGAN ST

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 42	E

FILE NAOE : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021201_PD.DWG PLOT DATE : 12/11/2015 9:23 AM PLOT BY : JASEN GROVES PLOT NAME : 021208_PD PLOT SCALE : 1" = 40'_XREF

2

N

STH 42/57 SB PGL

STH 42/57

STH 42/57 NB PGL

STA. 876+61.47,0.00T NB
STA. 876+61.47,0.00LT SB

874NB 875NB 876NB 876SB 877SB 878SB 878NB 877NB

14' 14' 14' 14' 14' 14'

4' 4' 4' 4'

MATCHLINE 873+00.00

MATCHLINE 879+00.00

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
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- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

FO FO FO FO FO FO FO

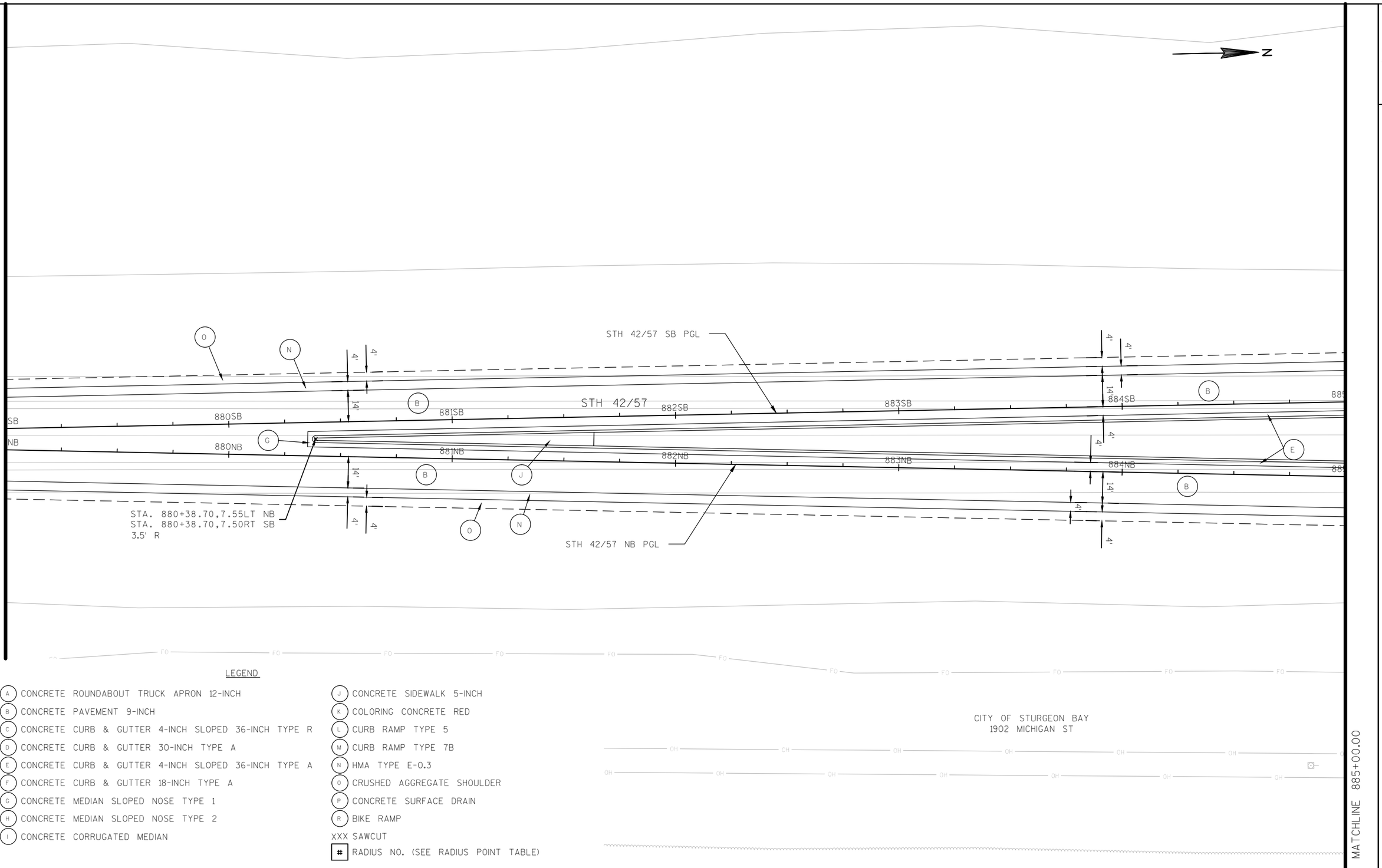
OH OH OH OH OH OH OH

OH OH OH OH OH OH OH

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 43	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021201_PD.DWG PLOT DATE : 12/11/2015 3:40 PM PLOT BY : JASEN GROVES PLOT NAME : 021209_PD PLOT SCALE : 1" = 40'_XREF

2



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 44	E

2

N

STH 42/57

+62.10 SB END
14.11'LT TAPER

STH 42/57 SB PGL

+54.62 SB
14.00'LT

+71.84 SB
4.00'RT

+71.82 NB
4.00'LT

MAINTENANCE OPENING
SEE DETAIL

+11.77 NB
4.00'LT

12.5 : 1 TAPER

+61.77 NB
24.00'LT

+62.25 NB
0.00'LT

+43.80 NB
14.00'RT

STH 42/57 NB PGL

+61.77 NB END
14.00'RT TAPER

+68.70 NB
24.00'RT

886SB 887SB 888SB 889SB 890SB

886NB 887NB 888NB 889NB 890NB

MATCHLINE 885+00.00

MATCHLINE 891+00.00

CITY OF STURGEON BAY
1902 MICHIGAN ST

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

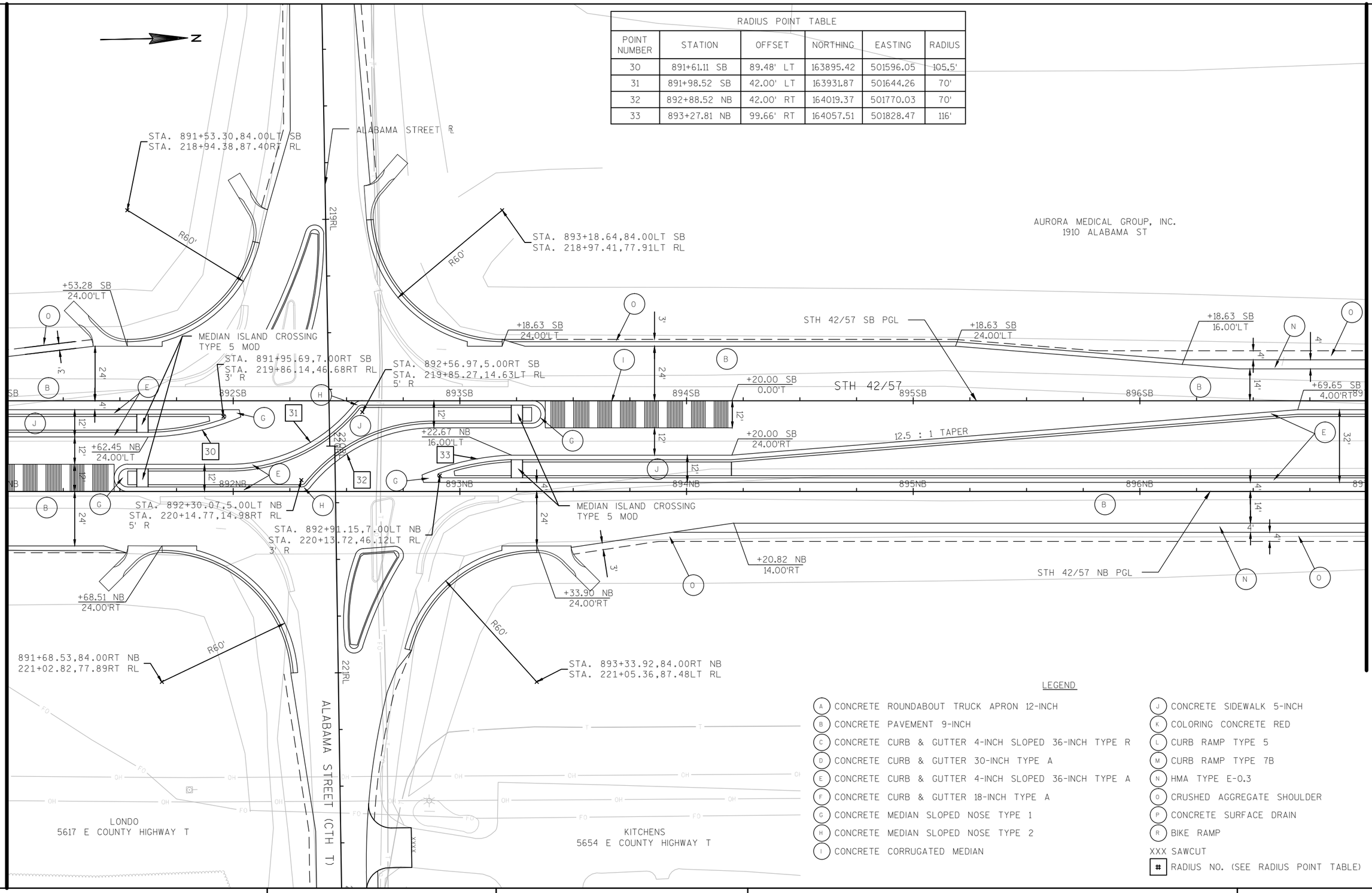
XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 45	E

FILE NAOE : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021201_PD.DWG PLOT DATE : 12/11/2015 9:23 AM PLOT BY : JASEN GROVES PLOT NAME : 021211_PD PLOT SCALE : 1" = 40'_XREF WISDOT/CADDS SHEET 42

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
30	891+61.11 SB	89.48' LT	163895.42	501596.05	105.5'
31	891+98.52 SB	42.00' LT	163931.87	501644.26	70'
32	892+88.52 NB	42.00' RT	164019.37	501770.03	70'
33	893+27.81 NB	99.66' RT	164057.51	501828.47	116'



LEGEND

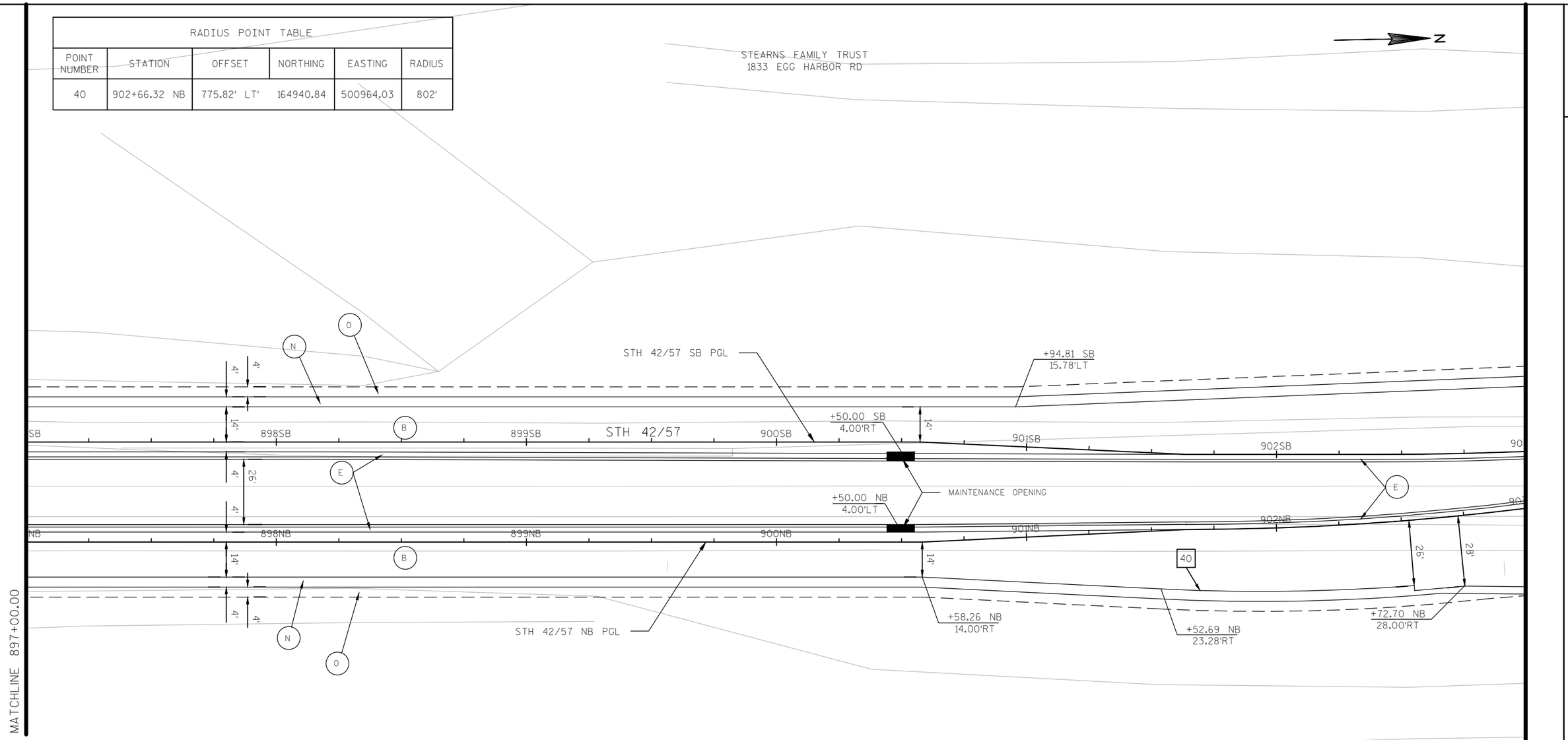
- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 46	E

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
40	902+66.32 NB	775.82' LT'	164940.84	500964.03	802'



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

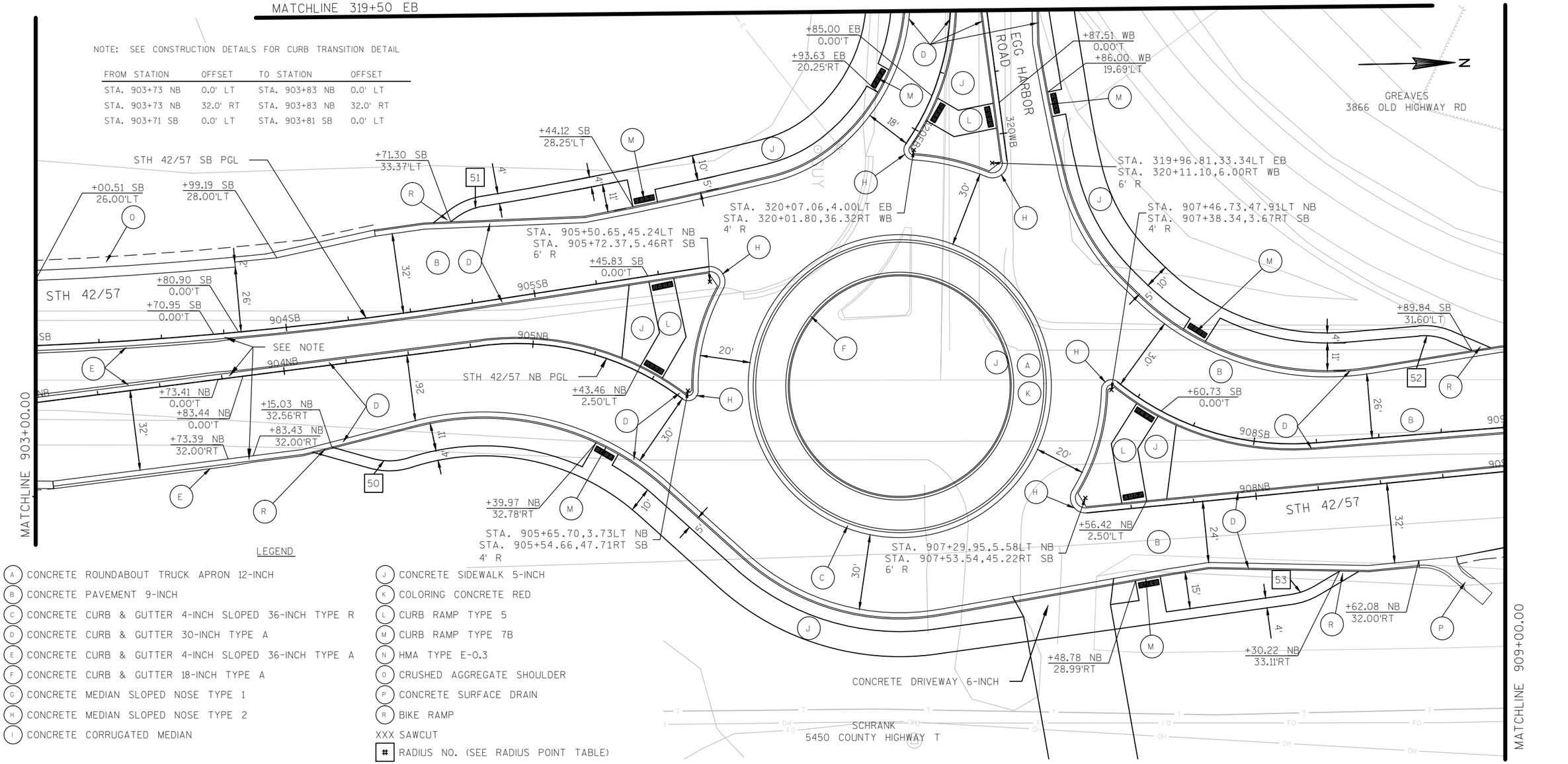
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 47	E

2

MATCHLINE 319+50 EB

NOTE: SEE CONSTRUCTION DETAILS FOR CURB TRANSITION DETAIL

FROM STATION	OFFSET	TO STATION	OFFSET
STA. 903+73 NB	0.0' LT	STA. 903+83 NB	0.0' LT
STA. 903+73 NB	32.0' RT	STA. 903+83 NB	32.0' RT
STA. 903+71 SB	0.0' LT	STA. 903+81 SB	0.0' LT



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
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- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
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- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
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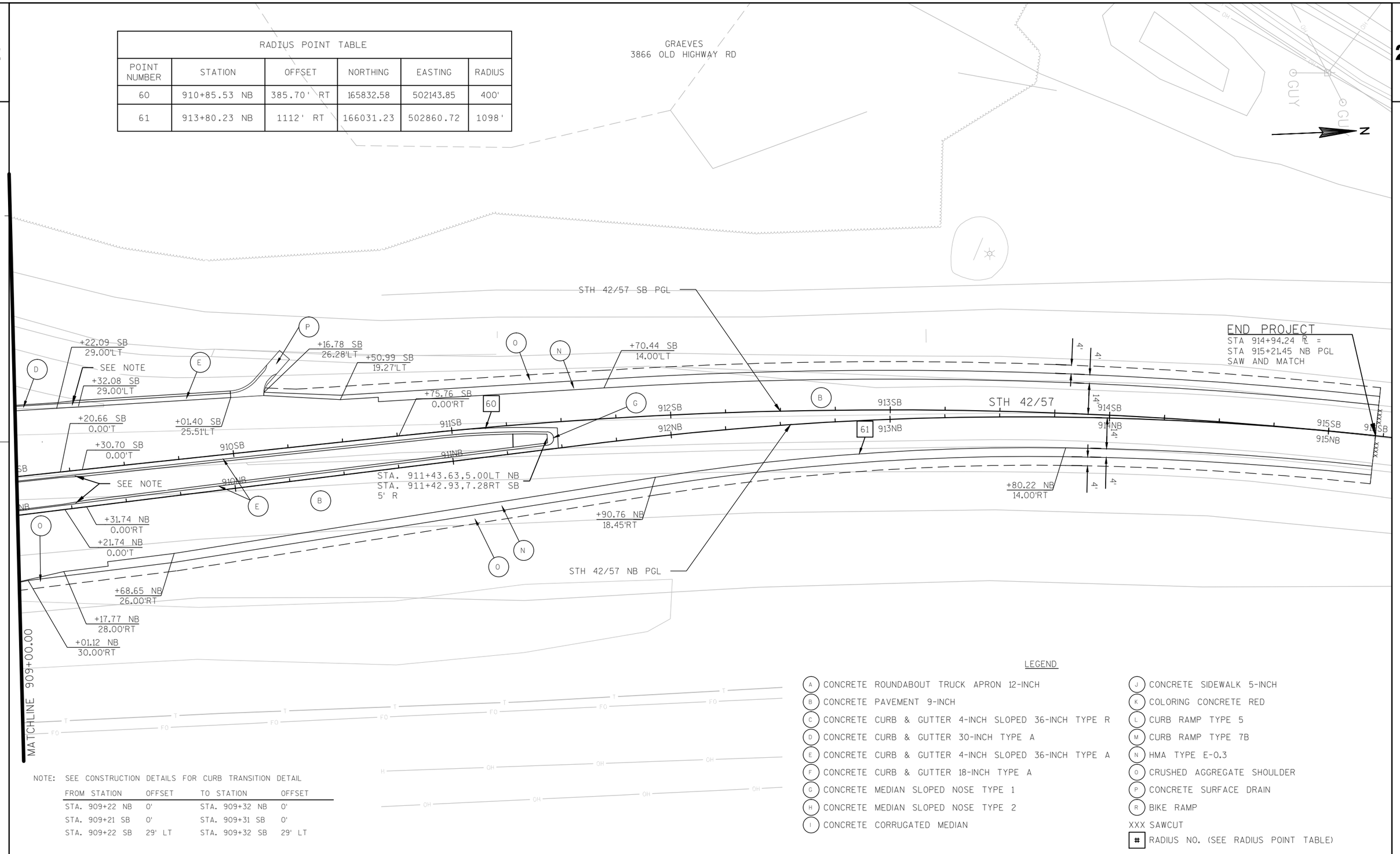
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

POINT RADIUS TABLE

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
50	904+40.25 NB	16.06' RT	165172.45	501735.83	25'
51	904+85.35 SB	12.56' LT	165215.05	501684.68	25'
52	908+69.32 SB	14.12' LT	165585.48	501744.17	29'
53	908+08.89 NB	15.49' RT	165527.63	501796.57	25'

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
60	910+85.53 NB	385.70' RT	165832.58	502143.85	400'
61	913+80.23 NB	1112' RT	166031.23	502860.72	1098'



NOTE: SEE CONSTRUCTION DETAILS FOR CURB TRANSITION DETAIL

FROM STATION	OFFSET	TO STATION	OFFSET
STA. 909+22 NB	0'	STA. 909+32 NB	0'
STA. 909+21 SB	0'	STA. 909+31 SB	0'
STA. 909+22 SB	29' LT	STA. 909+32 SB	29' LT

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAILS	SHEET 49	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021201_PD.DWG PLOT DATE : 12/11/2015 3:43 PM PLOT BY : JASEN GROVES PLOT NAME : 021215_PD PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2

N

DOOR COUNTY YMCA
1900 MICHIGAN ST

MATCH TO EXISTING SIDEWALK
(THE SIDEWALK CROSS-SLOPE SHALL NOT EXCEED 2%
WITHOUT PRIOR APPROVAL FROM THE ENGINEER)

ASPHALTIC SURFACE FOR
DRIVEWAYS AND FIELD ENTRANCES

CONCRETE DRIVEWAY
6-INCH

+28.22WB
25.50'LT
MICHIGAN STREET WB PGL

+94.55WB
25.50'LT

+60.00EB
18.00'LT

+31.51EB
30.40'LT

+34.69EB
24.25'LT

+61.77EB
24.30'LT

+05.83WB
20.02'LT

+53.33WB
23.82'LT

+98.26WB
20.43'LT

118WB

118EB

117WB

113WB

114WB

115WB

116WB

BEGIN CONSTRUCTION
STA 115+60.00

MICHIGAN STREET

+60.00EB
17.00'RT

+78.45EB
20.91'RT

+86.83EB
25.18'RT

MICHIGAN STREET EB PGL
STA. 117+72.97,5.00LT EB
STA. 117+72.45,5.00RT WB
5' R

LAKE SHORE HEALTH SERIVCES, INC.
1843 MICHIGAN ST

MATCHLINE 118+50.00

LEGEND

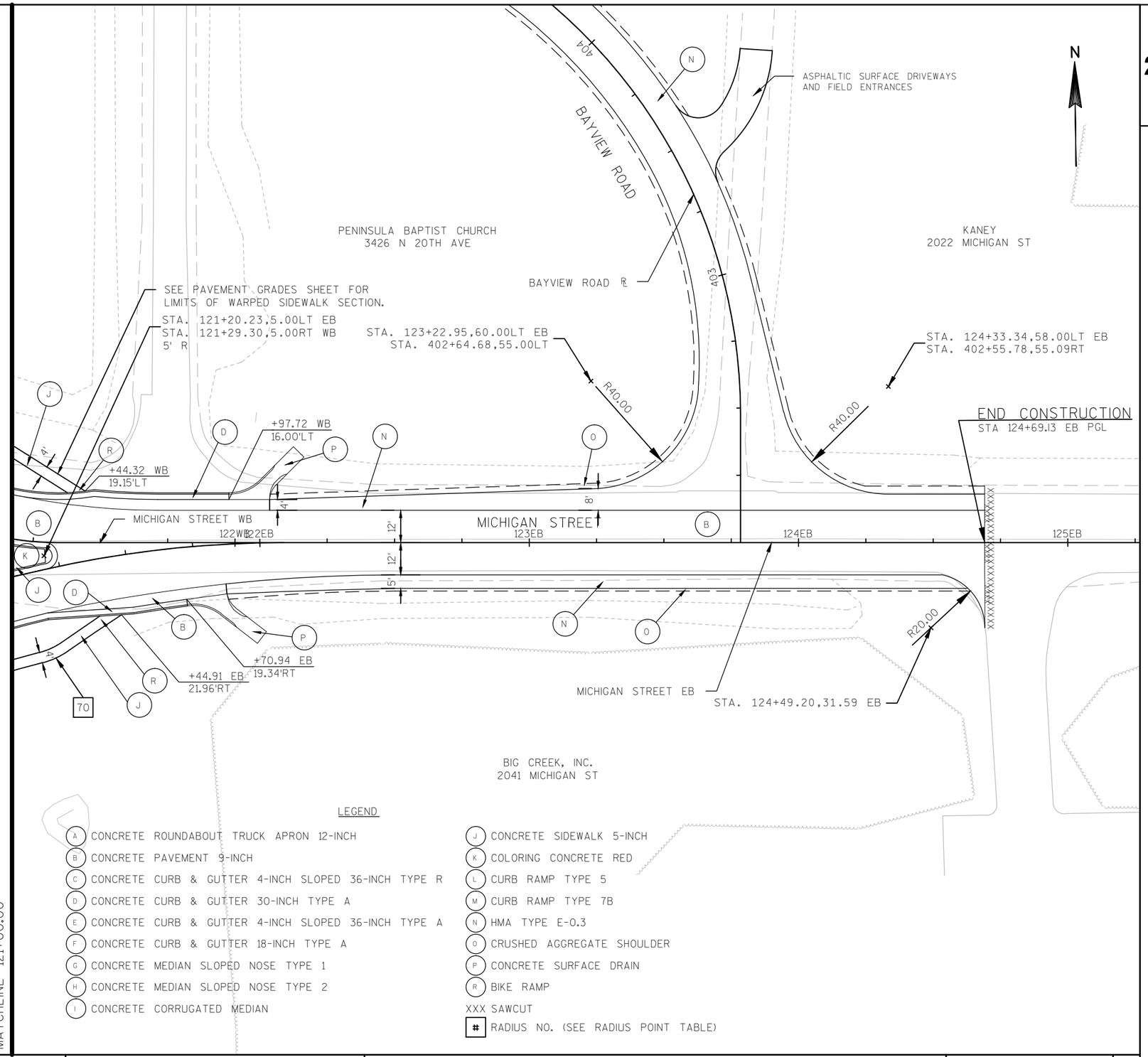
- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - MICHIGAN STREET INTERSECTION	SHEET 50	E

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
70	121+10.61 EB	4.61 RT	158591.14	501703.97	29



LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP

XXX SAWCUT

[#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - MICHIGAN STREET INTERSECTION	SHEET 51	E

2

RADIUS POINT TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
80	218+13.40	284.5'RT	163690.53	501520.05	290.5'
81	219+06.88	151.06'RT	163823.82	501613.75	150'
82	221+87.65	314.85'LT	1642290.91	501896.26	303.8'
83	221+41.16	170.41'LT	164146.68	501849.12	167.9'
84	220+78.47	86.35'LT	164062.91	501786.04	83.8'

N

AURORA MEDICAL GROUP, INC.
1910 ALABAMA ST

DE LEERS
5592 E COUNTY HIGHWAY T

894SB
894NB
893SB
893NB
892SB
892NB
891SB
891NB
STH 42/57

STA. 893+18.64,84.00LT SB
STA. 218+97.41,77.91LT

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH
TYPE D

CONCRETE CURB & GUTTER
6-INCH SLOPED 30-INCH
TYPE J

R60'

STA. 893+33.92,84.00RT NB
STA. 221+05.36,87.48LT

ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES

END CONSTRUCTION
STA 222+05.00

STA. 219+06.48,5.06
4' R

STA. 220+87.42,-7.08
4' R

ALABAMA STREET

BEGIN CONSTRUCTION
STA 218+00.00

STA. 892+71.06,28.23RT NB
STA. 220+48.63,25.49LT
4' R

STA. 892+57.64,29.23RT NB
STA. 220+49.42,12.06LT
4' R

ALABAMA STREET

STA. 892+29.91,29.03LT SB
STA. 219+50.75,11.80RT
4' R

STA. 892+17.38,28.03LT SB
STA. 219+51.52,24.36RT
4' R

STA. 891+53.30,84.00LT SB
STA. 218+94.38,87.40RT

STH 42/57 SB

STH 42/57 NB

STA. 891+68.53,84.00RT NB
STA. 221+02.82,77.89RT

KELLER
5703 ALABAMA ST

LONDO
5617 E COUNTY HIGHWAY T

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- (#) RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - ALABAMA STREET INTERSECTION	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021219_PD.DWG PLOT DATE : 12/10/2015 10:03 AM PLOT BY : JASEN GROVES PLOT NAME : 021103_ID PLOT SCALE : 1:40_XREF

2

2

TANCK
3854 OLD HIGHWAY RD

EGG HARBOR ROAD

EGG HARBOR ROAD WB PGL

EGG HARBOR ROAD EB PGL

BEGIN CONSTRUCTION
STA 315+50.00

315EB
316EB
317EB
318WB
318EB
319WB
319EB

+25.00 EB BEGIN
0.00'T TAPER

+00.22 WB
20.81'LT

+35.96 WB
34.17'LT

+36.06 WB
28.55'LT

+36.14 WB
24.17'LT

+32.96 WB
22.70'LT

+06.30 EB
18.00'RT

STA. 319+11.69,5.00LT EB
STA. 319+11.44,5.02RT WB
5' R

+27.28 EB
19.39'RT

+32.68 EB
22.31'RT

+32.31 EB
26.66'RT

+31.82 EB
32.28'RT

+50.67 EB
23.68'RT

+50.10 EB
33.67'RT

STEARNS FAMILY TRUST
1833 EGG HARBOR RD

MATCHLINE 319+50.00 EB PGL

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - EGG HARBOR ROAD INTERSECTION	SHEET 53	E

2

N

121EB

123EB

124EB

MICHIGAN STREET

MICHIGAN STREET EB PGL

PENINSULA BAPTIST CHURCH
3426 N 20TH AVE

BAYVIEW ROAD

BAYVIEW ROAD ℄

KANEY
2022 MICHIGAN ST

STA. 123+22.95,60.00LT EB
STA. 402+64.68,55.00LT ℄

+00.00
10.00'LT

+80.00
6.00'LT

+82.37
6.00'LT

20:1 TAPER

20:1 TAPER

+80.00
6.00'RT

+82.37
6.00'RT

+00.00
10.00'RT

END CONSTRUCTION
STA 406+82.41

+51.46
10.00'LT

+58.05
15.37'LT

R40'

+95.79
10.00'RT

ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES

+48.42
16.03'RT

R40.00

BEGIN CONSTRUCTION
STA 402+17.00

STA. 124+33.34,58.00LT EB
STA. 402+55.78,55.09RT ℄

XXXX XXXX XXXX

404 405 406 407 408 403

2' 10' 10' 2' 5' 2' 2' 2'

RADIUS POINT TABLE					
POINT NUMBERS	STATION	OFFSET	NORTHING	EASTING	RADIUS
90	403+51.46	150.00' LT	158673.84	501806.12	150'
91	403+93.22	8.64' RT	158791.15	501928.77	50'

LEGEND

- (A) CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
- (B) CONCRETE PAVEMENT 9-INCH
- (C) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- (D) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (E) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (F) CONCRETE CURB & GUTTER 18-INCH TYPE A
- (G) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (H) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (I) CONCRETE CORRUGATED MEDIAN
- (J) CONCRETE SIDEWALK 5-INCH
- (K) COLORING CONCRETE RED
- (L) CURB RAMP TYPE 5
- (M) CURB RAMP TYPE 7B
- (N) HMA TYPE E-0.3
- (O) CRUSHED AGGREGATE SHOULDER
- (P) CONCRETE SURFACE DRAIN
- (R) BIKE RAMP
- XXX SAWCUT
- [#] RADIUS NO. (SEE RADIUS POINT TABLE)

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - BAYVIEW ROAD	SHEET 54	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021221_PD.DWG PLOT DATE : 12/10/2015 10:03 AM PLOT BY : JASEN GROVES PLOT NAME : 021217_PD PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2

N

STH 42/57

STH 42/57

STH 42/57 SB PGL

STH 42/57 NB PGL

BEGIN PROJECT
STA 827+00.00 NB PGL
SAW AND MATCH

MATCHLINE 831+00.00 NB PGL

825NB 826NB 827NB 828NB 829NB 830NB 831NB 830SB 831SB

611.70 612.01 612.35 612.68 612.99 613.28 613.57 613.86 614.15 614.44 614.73 615.02 615.31 615.60 615.89 616.18 616.47

612.16 612.49 612.81 613.14 613.45 613.75 614.04 614.33 614.62 614.91 615.20 615.49 615.78 616.07 616.36 616.65 616.94

612.62 612.94 613.27 613.60 613.92 614.21 614.50 614.79 615.09 615.38 615.67 615.96 616.26 616.55 616.84 617.13 617.43

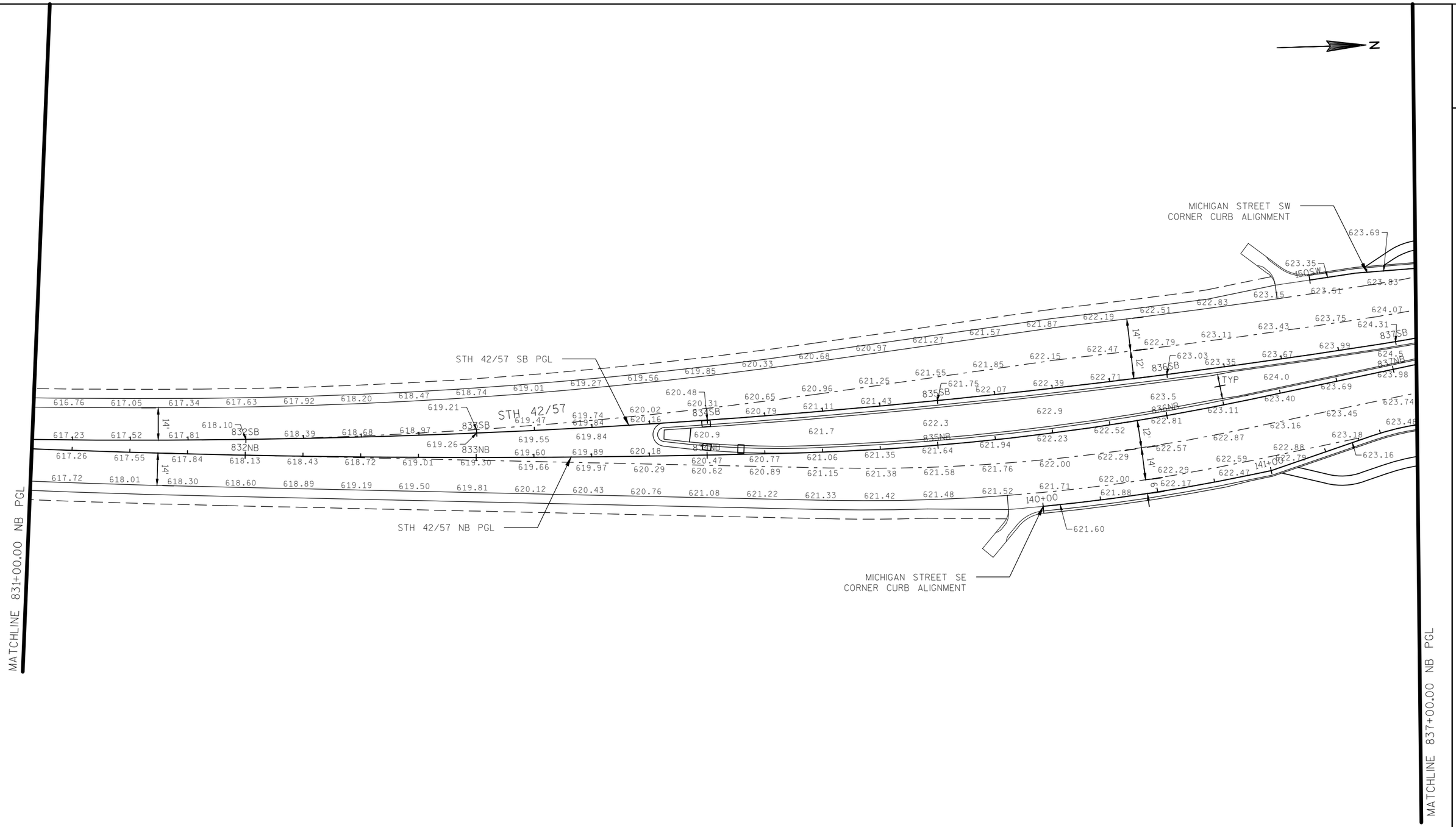
14'

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 55	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:32 PM PLOT BY : JASEN GROVES PLOT NAME : 021251_PG PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 56	E

2

MICHIGAN STREET

MATCHLINE 118+50.00 EB PGL

MICHIGAN STREET SW
CORNER CURB ALIGNMENT

15' JOINT SPACING MAX
SEE SDD "CONCRETE PAVEMENT JOINTING"

MICHIGAN STREET NW
CORNER CURB ALIGNMENT

15' JOINT SPACING MAX
SEE SDD "CONCRETE PAVEMENT JOINTING"

STH 42/57 SB PGL

STH 42/57

MICHIGAN STREET
ICD ALIGNMENT

MICHIGAN STREET SE
CORNER CURB ALIGNMENT

MICHIGAN STREET NE
CORNER CURB ALIGNMENT

STH 42/57 NB PGL

MATCHLINE 873+00.00 NB PGL

MATCHLINE 121+00.00 EB PGL

MICHIGAN STREET

MATCHLINE 843+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 57	E

2

N

STH 42/57

STH 42/57 SB PGL

636.28 637.12 637.96 638.79 639.61 640.43 641.25 642.07 642.89 643.71 644.53 645.35 646.17 646.99 647.81 648.63 649.45 650.27 651.17 651.83 652.42 652.96 653.43 653.86

636.56 637.40 638.25 639.07 639.89 640.71 641.53 642.35 643.17 643.99 644.81 645.63 646.45 647.27 648.09 648.91 649.73 650.55 652.70 653.24 653.71

636.86 637.68 638.50 639.32 640.14 640.96 641.77 642.59 643.41 644.23 645.05 645.87 646.69 647.51 648.32 649.14 649.96 650.74 651.45 652.11 654.14

636.68 637.52 638.34 639.19 640.02 640.86 641.69 642.53 643.36 644.20 645.03 645.59 646.41 647.23 648.04 648.86 649.68 650.46 651.17 651.83 652.42 652.96 653.43 653.86

636.40 637.24 638.07 638.91 639.74 640.58 641.41 642.25 643.08 643.92 644.75

844SB 845SB 846SB 848SB

844NB 845NB 846NB 848NB 849NB

TYP 638.3 639.7

14'

14'

14'

STH 42/57 NB PGL

MATCHLINE 843+00.00 NB PGL

MATCHLINE 849+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 58	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:33 PM PLOT BY : JASEN GROVES PLOT NAME : 021254_PG PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2

2

N

STH 42/57

654.29	654.72	655.16	655.59	656.02	656.45	656.88	657.31	657.74	658.15	658.53	658.87	659.17	659.43	659.65	659.84	660.00	660.11	660.19	660.23	660.23	660.20	660.13	660.04

654.57	655.00	655.44	850NB	656.30	656.73	657.16	851NB	658.02	658.43	658.81	852NB	659.45	659.71	659.93	853NB	660.28	660.39	660.47	854NB	660.51	660.48	660.41	855NB
			655.87				657.59				659.15				660.12				660.51				660.32

654.29	654.72	655.16	655.59	656.02	656.45	656.88	657.31	657.74	658.15	658.53	658.87	659.17	659.43	659.65	659.84	660.00	660.11	660.19	660.23	660.23	660.20	660.13	660.04

STH 42/57 NB PGL

MATCHLINE 849+00.00 NB PGL

MATCHLINE 855+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 59	E

2

2

N

STH 42/57

659.95 659.86 659.77 659.68 659.60 659.51 659.42 659.33 659.22 659.06 658.86 658.62 658.35 658.09 657.82 657.56 657.29 657.03 656.76 656.50 656.23 655.97 655.70 655.44

660.23 660.14 660.05 856NB 659.88 659.79 659.70 857NB 659.50 659.34 659.14 858NB 658.63 658.37 14' 658.10 859NB 657.57 657.31 657.04 860NB 656.51 656.25 655.98 861NB

659.96 659.61 658.90 657.84 656.78 655.72

659.95 659.86 659.77 659.68 659.60 659.51 659.42 659.33 659.22 659.06 658.86 658.62 658.35 658.09 14' 657.82 657.56 657.29 657.03 656.76 656.50 656.23 655.97 655.70 655.44

STH 42/57 NB PGL

MATCHLINE 855+00.00 NB PGL

MATCHLINE 861+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 60	E

2

2

N

STH 42/57

655.17 654.91 654.64 654.38 654.11 653.85 653.58 653.32 653.05 652.79 652.52 652.26 651.99 651.73 651.46 651.20 650.93 650.67 650.40 650.14 649.87 649.61 649.34 649.08

655.45 655.19 654.92 862NB 654.66 654.39 654.13 653.86 863NB 653.60 653.33 653.07 652.80 864NB 652.54 652.27 652.01 14' 651.74 865NB 651.48 651.21 650.95 650.68 866NB 650.42 650.15 649.89 649.62 867NB 649.36

655.17 654.91 654.64 654.38 654.11 653.85 653.58 653.32 653.05 652.79 652.52 652.26 651.99 651.73 14' 651.46 651.20 650.93 650.67 650.40 650.14 649.87 649.61 649.34 649.08

STH 42/57 NB PGL

MATCHLINE 861+00.00 NB PGL

MATCHLINE 867+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 61	E

2

N

STH 42/57

648.81	648.55	648.28	648.02	647.75	647.50	647.22	646.96	646.69	646.43	646.16	645.90	645.63	645.39	645.19	645.02	644.90	644.82	644.78	644.78	644.82	644.90	645.02	645.16
649.09	648.83	648.56	868NB 648.30	648.03	647.76	647.50	869NB 647.24	646.97	646.71	646.44	870NB 646.18	645.91	645.67	645.47	871NB 645.30	645.18	645.10	645.06	872NB 645.06	645.10	645.18	645.30	873NB 645.44
648.81	648.55	648.28	648.02	647.75	647.49	647.22	646.96	646.69	646.43	646.16	645.90	645.63	645.39	645.19	645.02	644.90	644.82	644.78	644.78	644.82	644.90	645.02	645.16

14'

14'

STH 42/57 NB PGL

MATCHLINE 867+00.00 NB PGL

MATCHLINE 873+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 62	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:33 PM PLOT BY : JASEN GROVES PLOT NAME : 021258_PG PLOT SCALE : 1" = 40'_XREF WISDOT/CADDS SHEET 42

2

N

STH 42/57

STH 42/57 SB PGL

645.30 645.44 645.58 645.72 645.86 646.00 646.14 646.28 646.42 646.56 646.70 646.84 647.00 647.21 647.45 647.73 648.06 648.44 648.87 649.36 649.90 650.49 651.13 651.80

645.58 645.72 645.86 874NB 646.00 646.14 646.28 646.42 875NB 646.56 646.70 646.84 14' 646.98 876NB 647.12 647.28 647.49 647.73 877SB 647.74 648.01 648.34 648.72 649.15 878SB 649.64 650.18 650.77 651.41 14' 879SB 652.08

645.30 645.44 645.58 645.72 645.86 646.00 646.14 646.28 646.42 646.56 646.70 646.84 647.00 647.21 647.46 647.76 648.10 648.48 648.91 649.38 649.90 650.46 651.06 651.71

877NB 648.04 648.38 648.76 649.19 878NB 649.66 650.18 650.74 651.34 14' 879NB 651.99

MATCHLINE 874+00.00 NB PGL

STH 42/57 NB PGL

MATCHLINE 879+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 63	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:33 PM PLOT BY : JASEN GROVES PLOT NAME : 021259_PG PLOT SCALE : 1" = 40'_XREF

2

N

STH 42/57 SB PGL

STH 42/57

652.47 653.14 653.81 654.48 655.15 655.82 656.49 657.16 657.83 658.50 659.17 659.84 660.51 661.18 661.85 662.52 663.19 663.86 664.53 665.20 665.87 666.54 667.21 667.88

652.75 653.42 654.09 880SB 654.76 655.43 656.10 656.77 881SB 657.44 658.11 658.78 659.45 882SB 660.12 660.79 661.46 662.13 883SB 662.80 663.47 664.14 664.81 884SB 665.48 666.15 666.82 667.49 885SB 668.16

652.66 653.33 654.00 880NB 654.67 655.34 656.01 656.68 881NB 657.35 658.02 658.69 659.36 882NB 660.03 660.70 661.37 662.04 883NB 662.71 663.38 664.05 664.72 884NB 665.39 666.06 666.73 667.40 885NB 668.07

652.38 653.05 653.72 654.39 655.06 655.73 656.40 657.07 657.74 658.41 659.08 659.75 660.42 661.09 661.76 662.43 663.10 663.77 664.44 665.11 665.78 666.45 667.12 667.79

14'

4'

TYP

655.83 655.77 657.27 660.5 659.95 661.8 663.3 662.63 664.7 666.0 665.31 667.4 668.7 667.99

STH 42/57 NB PGL

MATCHLINE 879+00.00 NB PGL

MATCHLINE 885+00.00 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 64	E

FILE NAOE : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:33 PM PLOT BY : JASEN GROVES PLOT NAME : 021260_PG PLOT SCALE : 1" = 40'_XREF

2

N

STH 42/57

STH 42/57 SB PGL

668.55 669.22 669.89 670.55 671.22 671.89 672.57 673.24 673.91 674.58 675.25 675.92 676.59 677.25 677.88 678.46 678.99 679.47 679.95 680.42 680.89 681.36 681.88 682.35

681.79 682.20

668.83 669.50 670.17 670.84 886SB 671.51 672.18 672.85 673.52 887SB 674.19 674.86 675.53 676.20 888SB 676.87 677.53 678.16 678.74 889SB 679.27 679.75 680.23 680.70 890SB 681.17 681.64 682.12 682.59 891SB

668.75 669.42 670.09 670.76 671.43 672.10 672.77 673.44 674.11 674.78 675.45 676.12 676.79 677.45 678.08 678.66 679.19 679.67 680.15 680.62 681.09 681.56 682.04 682.51

14'

4'

TYP

670.2 671.6 672.9 674.3 675.6 677.0 678.1 679.2 680.2 680.9 681.7

887NB 888NB

668.66 669.33 670.00 670.67 671.34 672.01 672.68 673.35 674.02 674.69 675.36 676.03 676.68 677.31 677.89 678.43 678.92 679.37 679.80 680.23 680.66 681.10 681.55 682.02

668.74 669.41 670.08 670.75 671.42 672.09 672.76 673.43 674.10 674.77 675.44 676.11 676.78 677.45 678.08 678.65 679.18 679.67 680.14 680.61 681.08 681.56 682.03 682.50

886NB 889NB 890NB 891NB

12'

12'

12'

12'

14'

4'

668.46 669.13 669.80 670.47 671.14 671.81 672.48 673.15 673.82 674.49 675.16 675.83 676.54 676.46 677.21 677.13 677.84 677.70 678.41 677.90 678.94 677.93 679.43 677.95 679.90 678.28 680.37 678.65 680.84 679.12 681.32 679.60 681.79 680.00 682.26 680.40

MATCHLINE 885+00.00 NB PGL

MATCHLINE 891+00.00 NB PGL

STH 42/57 NB PGL

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 65	E

2

N

ALABAMA STREET ℄ - WEST

STAGE 2
STA. 892+30 - STA. 982+30 SB
PROVIDE CONCRETE PAVEMENT GAP
AND CONCRETE PAVEMENT
HES 9-INCH

STAGE 3
STA. 892+30 - STA. 892+60 SB
PROVIDE HES CONCRETE PAVEMENT 9-INCH

STH 42/57

STH 42/57 SB PGL

STH 42/57 NB PGL

STAGE 2
STA. 892+30 - STA. 892+60 SB
PROVIDE CONCRETE PAVEMENT GAP
AND CONCRETE PAVEMENT
HES 9-INCH

SEE ALABAMA STREET PAVEMENT
GRADES FOR ADDITIONAL INFORMATION

ALABAMA STREET ℄ - EAST

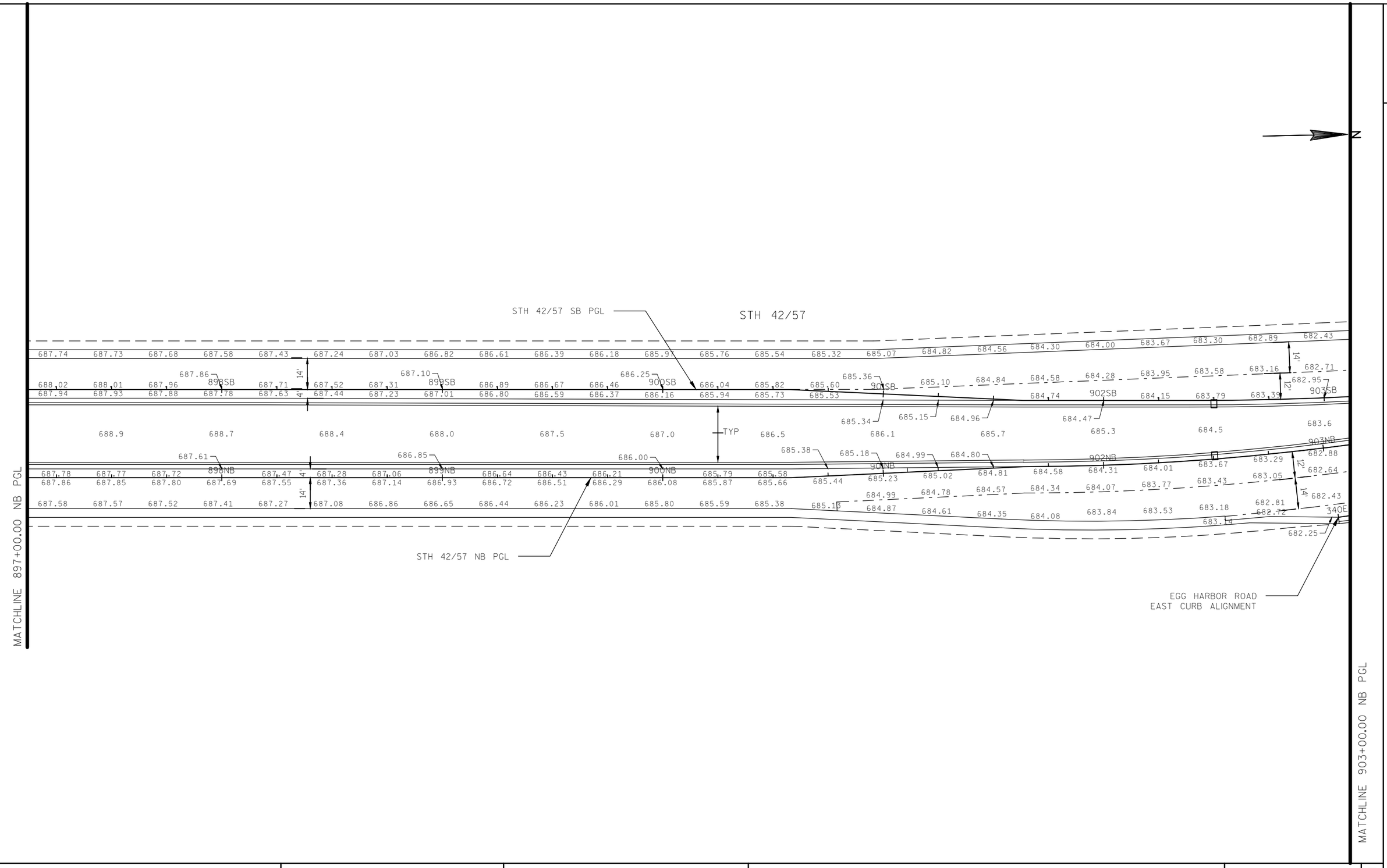
MATCHLINE 891+00.00 NB PGL

MATCHLINE 897+00.00 NB PGL

TYP

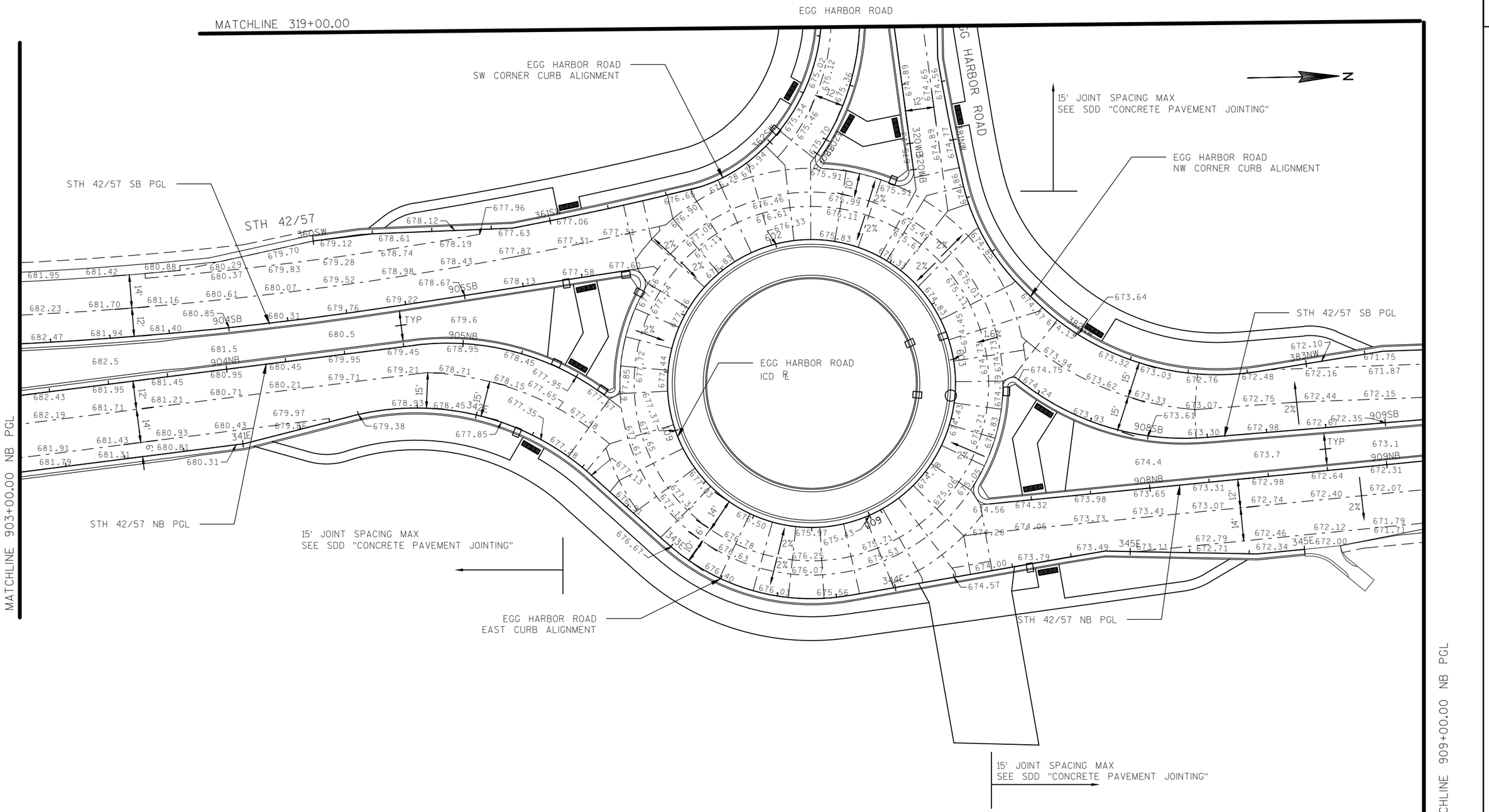
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 66	E

2



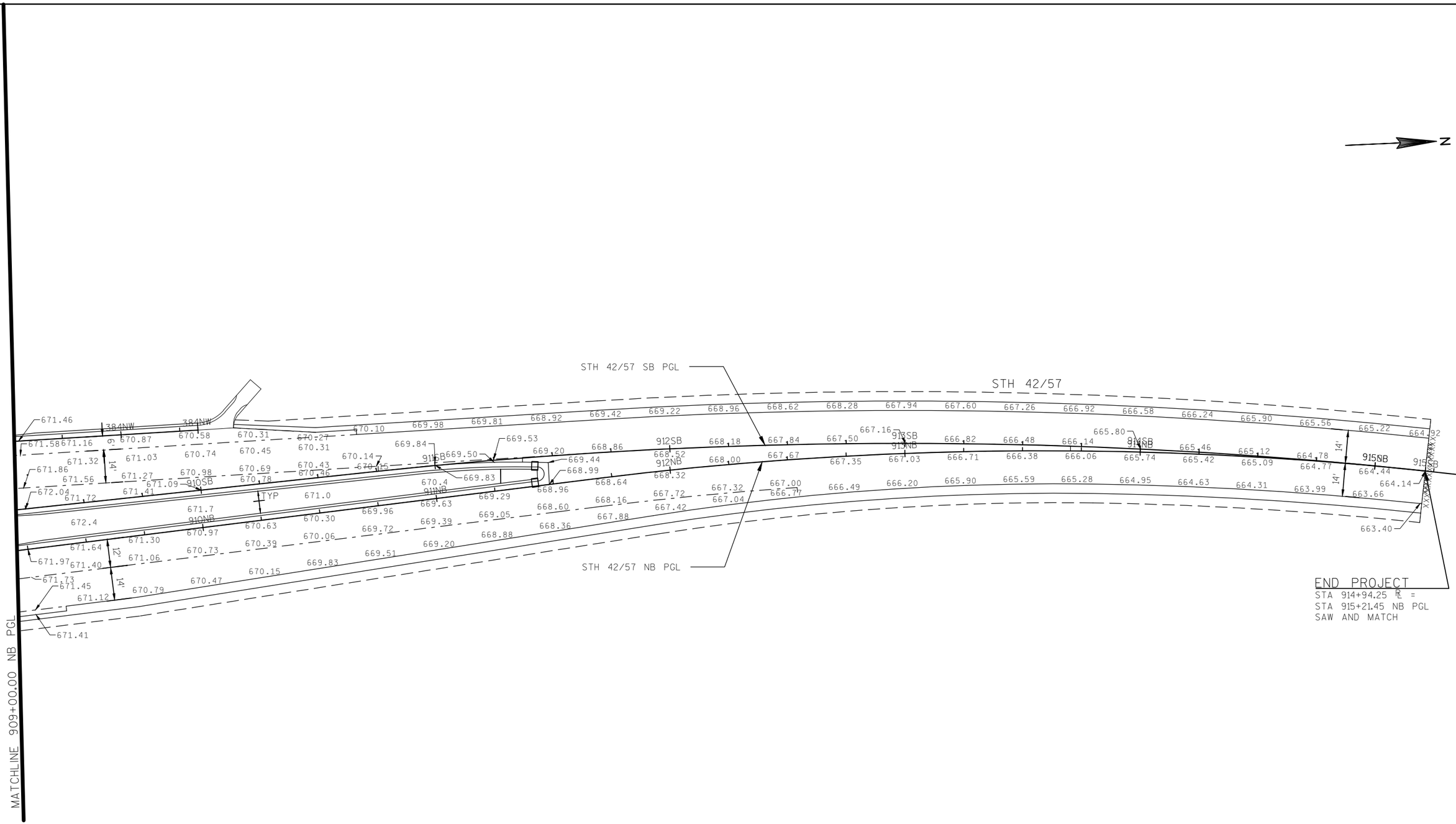
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 67	E

2



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 68	E

2



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 69	E

2

N

MATCHLINE 118+50.00 EB PGL

MICHIGAN STREET WB PGL

MICHIGAN STREET EB PGL

MICHIGAN STREET

115EB

116WB

117WB

118EB

160NW

161NW

162NW

154SW

630.64

630.29 630.12 629.83 629.55 629.26 629.02 628.80 628.61 628.44 628.27 628.09 627.95

630.40 630.23 629.95 629.67 629.38 629.12 628.89 628.71 628.54 628.37 628.18 627.97 627.79

630.47 630.19 629.91 629.63 629.34 629.06 628.78 628.50 628.22 627.92 627.60 627.32

630.40 630.23 629.95 629.67 629.39 629.10 628.82 628.52 628.22 627.92 627.60 627.32

630.30 630.13 629.85 629.57 629.28 629.00 628.72 628.42 628.12 627.84 627.56 627.31

629.59 629.34 629.13 628.95 628.78 628.62 628.45 628.27 628.09 627.93 627.65 627.37

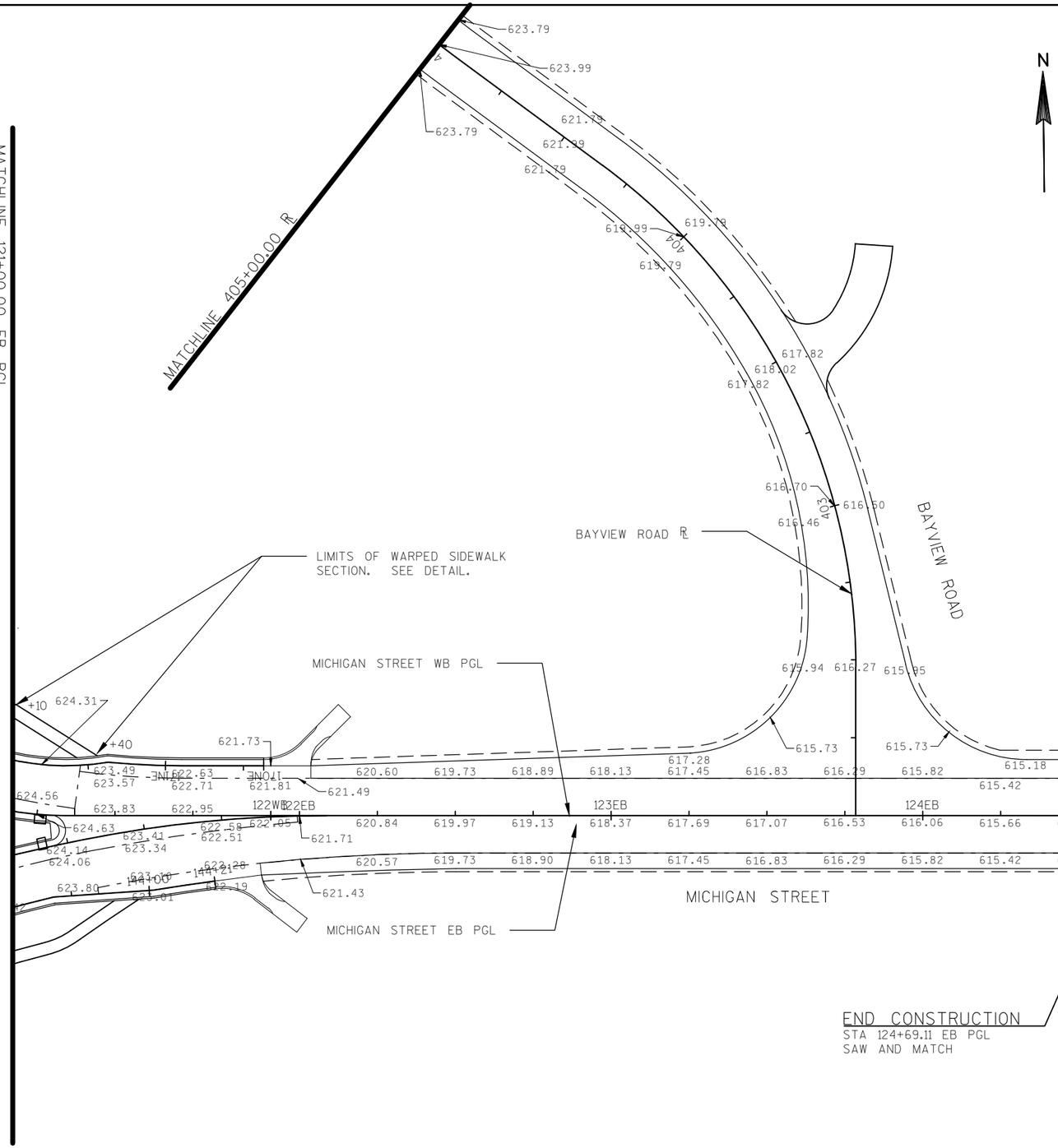
628.03 628.21 628.18 628.21 627.86 627.19

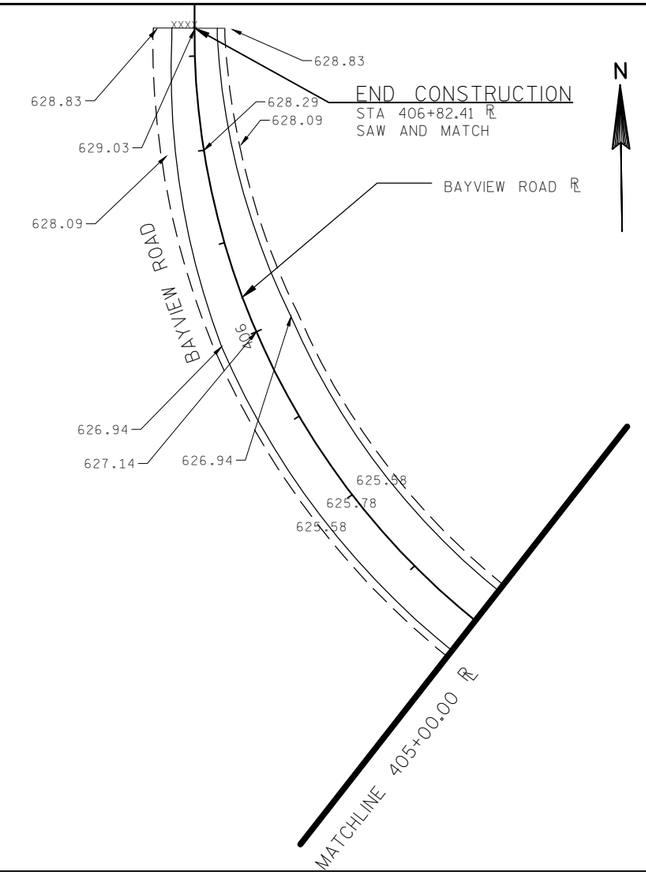
BEGIN CONSTRUCTION
STA 115+60.00 EB PGL
SAW AND MATCH

MICHIGAN STREET SW

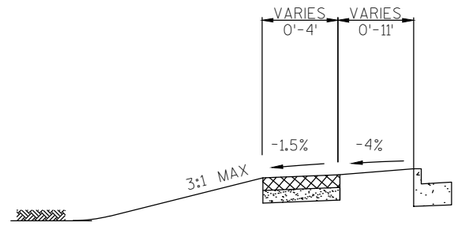
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 70	E

FILE NAOE : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\021251_PG.DWG PLOT DATE : 12/10/2015 3:33 PM PLOT BY : JASEN GROVES PLOT NAME : 021266_PG PLOT SCALE : 1" = 40'_XREF WISDOT/CADDS SHEET 42





SIDEWALK AND TERRACE TRANSITION STA. 121+10-121+25. TRANSITION FROM TYPICAL SLOPES TO WARPED SIDEWALK SECTION (SEE DETAIL).



WARPED SIDEWALK SECTION DETAIL
STA. 121+25 - 121+40

SIDEWALK WARPING TABLE		
STATION	TERRACE CROSS SLOPE	SIDEWALK CROSS SLOPE
121+10	4%	1.50%
121+15	1.33%	0.50%
121+20	-1%	-0.50%
121+25	-4%	-1.50%
121+30	-4%	-1.50%
121+35	-4%	-1.50%
121+40	-4%	-1.50%

2

2

N

STH 42/57

894SB

894NB

893SB

893NB

892SB

892NB

891SB

891NB

1/2

684.24

679.91

681.88

683.75

ALABAMA STREET ℄ - WEST

217

218

219

220

221

222

680.19

681.94

683.64

684.08

683.51

681.65

683.15

683.35

684.09

683.13

684.45

684.39

684.72

684.60

684.97

685.85

686.13

685.41

684.86

685.80

685.40

685.56

687.30

687.35

688.22

688.13

688.44

688.35

685.55

687.08

688.13

688.22

684.42

ALABAMA STREET ℄ - EAST

SEE STH 42/57 PAVEMENT
GRADES FOR ADDITIONAL INFORMATION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 72	E

2

N

MATCHLINE 319+00.00 EB PGL

EGG HARBOR ROAD WB PGL

EGG HARBOR ROAD

EGG HARBOR ROAD EB PGL

663.95 664.32 664.76 665.22 665.57 666.03 666.38 666.74 667.18 667.48 667.99 668.26 668.80 668.80 669.49 669.61 670.17 670.39 670.95 671.13 671.66 671.82 672.29 672.47 672.84 673.06 673.54 673.62

315WB 316WB 317WB 318WB 319

663.72 664.52 665.11 666.02 666.88 667.72 668.56 669.37 670.15 670.89 671.46 671.58 672.11 672.23 672.70 672.83 673.26 673.38 673.76 673.88 674.12

671.90 673.10 673.59 673.72 674.01

315EB 316EB 317EB 318EB

MSE 9E

BEGIN CONSTRUCTION
STA 315+50.00 EB PGL
SAW AND MATCH

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES	SHEET 73	E

2

UTAH STREET

STH 42/57

STH 42/57 ℄

UTAH STREET ℄

UTAH STREET
STAGE 1

BEGIN CONSTRUCTION
STA 115+60.00

MICHIGAN STREET ℄

SEEDING MIXTURE #40

TYPE A ONLY

SEEDING MIXTURE #40

SEEDING MIXTURE #30 (TYP.)

8' TYP.

BEGIN PROJECT
STA 827+00.00

0'-15' SEEDING MIXTURE #30 (TYP.)
OVER 15' SEEDING MIXTURE #10 (TYP.)

STH 42/57 ℄

BAYVIEW ROAD ℄

MICHIGAN STREET

MATCHLINE 840+00.00 ℄

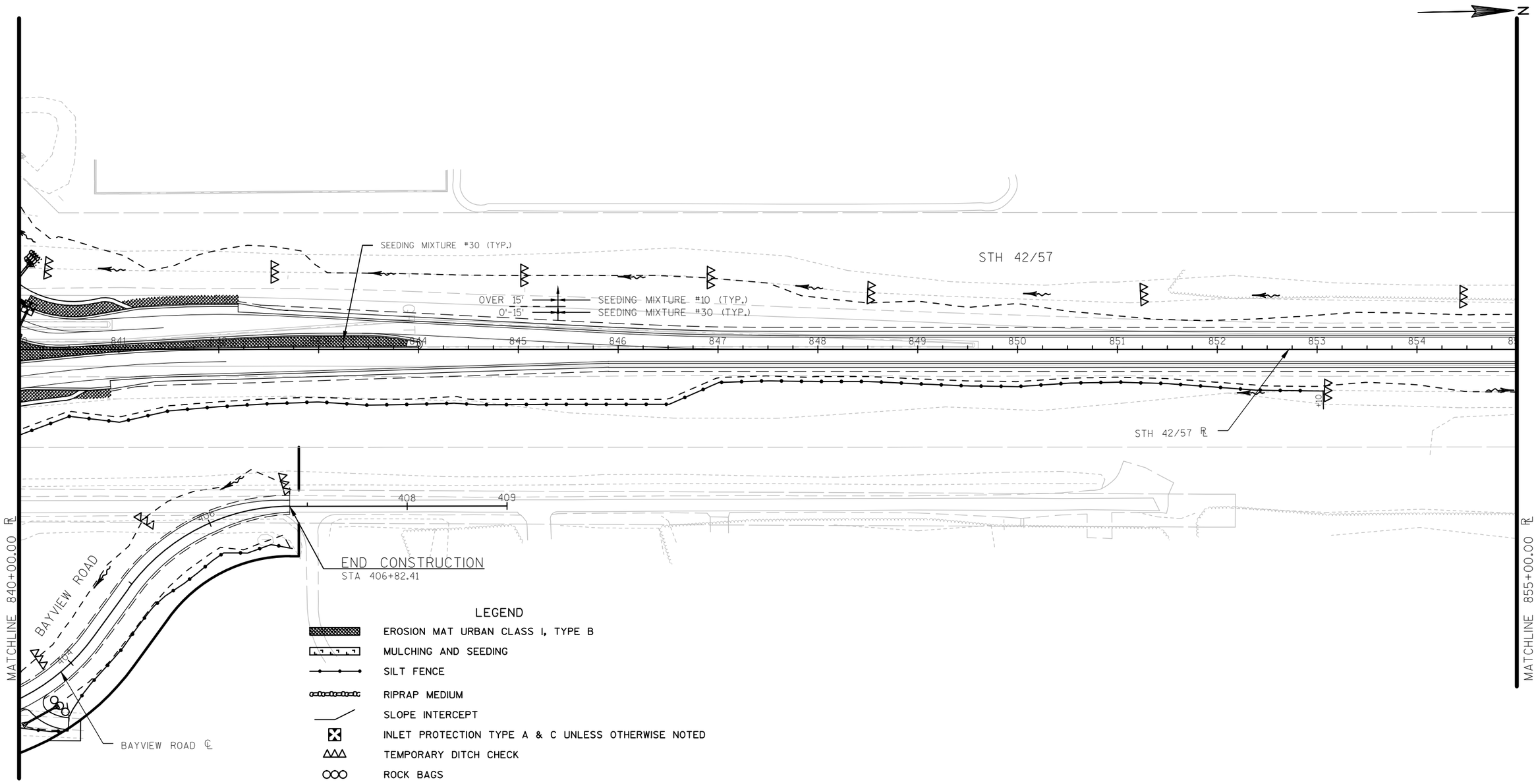
END CONSTRUCTION
STA 124+61.16

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING AND SEEDING
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A & C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 1 & 2	SHEET 74	E

2



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 2	SHEET 75	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022001_EC.DWG PLOT DATE : 12/10/2015 10:46 AM PLOT BY : JASEN GROVES PLOT NAME : 022002EC PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

2

N

OVER 15' — SEEDING MIXTURE #10 (TYP.)

0'-15' — SEEDING MIXTURE #30 (TYP.)

STH 42/57

5 856 857 858 859 860 861 862 863 864 865 866 867 868 869 8

+80

STH 42/57 ℄

MATCHLINE 855+00.00 ℄

MATCHLINE 870+00.00 ℄

LEGEND

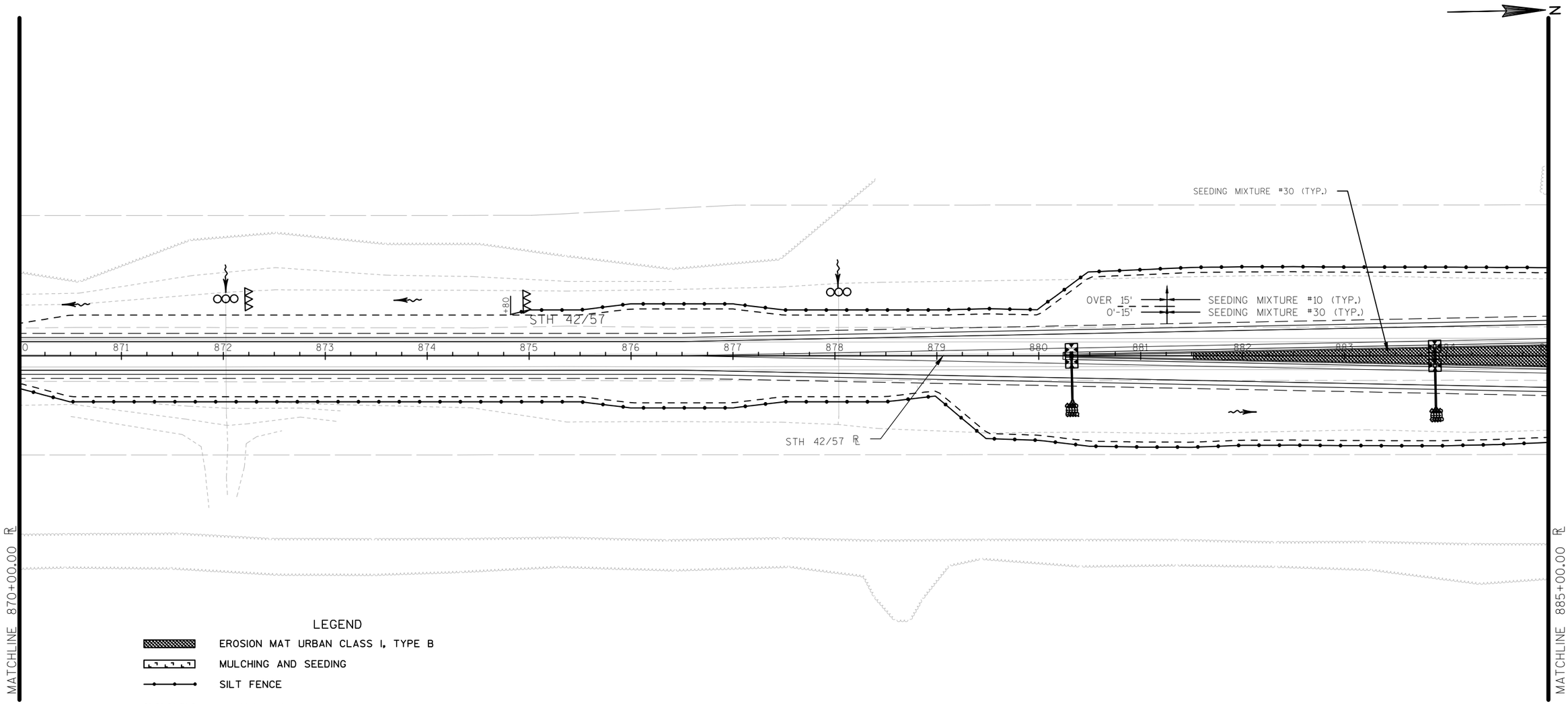
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING AND SEEDING
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A & C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 2	SHEET 76	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022001_EC.DWG PLOT DATE : 12/10/2015 10:46 AM PLOT BY : JASEN GROVES PLOT NAME : 022003EC PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2



LEGEND

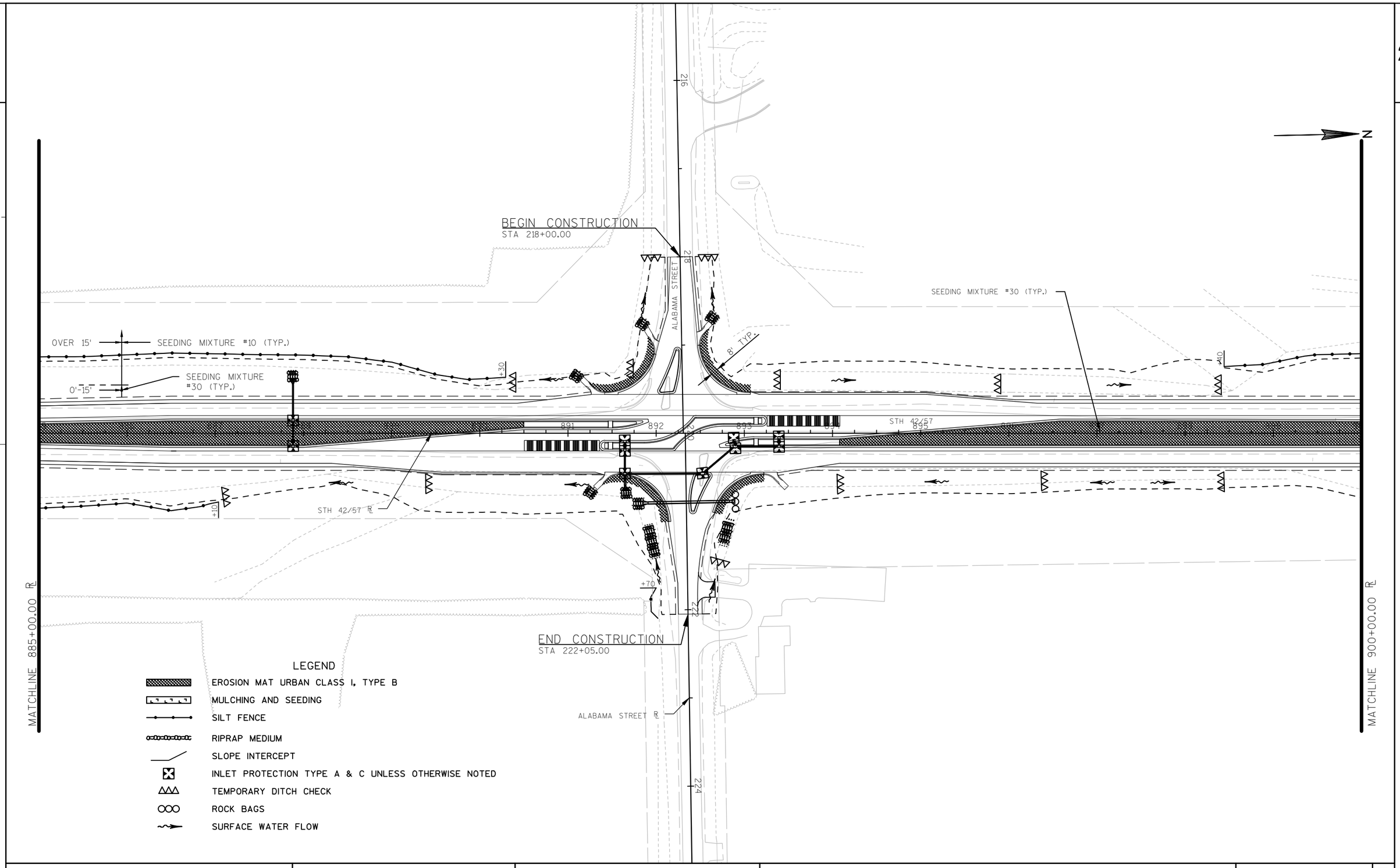
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING AND SEEDING
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A & C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 2	SHEET 77	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022001_EC.DWG PLOT DATE : 12/10/2015 10:46 AM PLOT BY : JASEN GROVES PLOT NAME : 022004EC PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

2

2

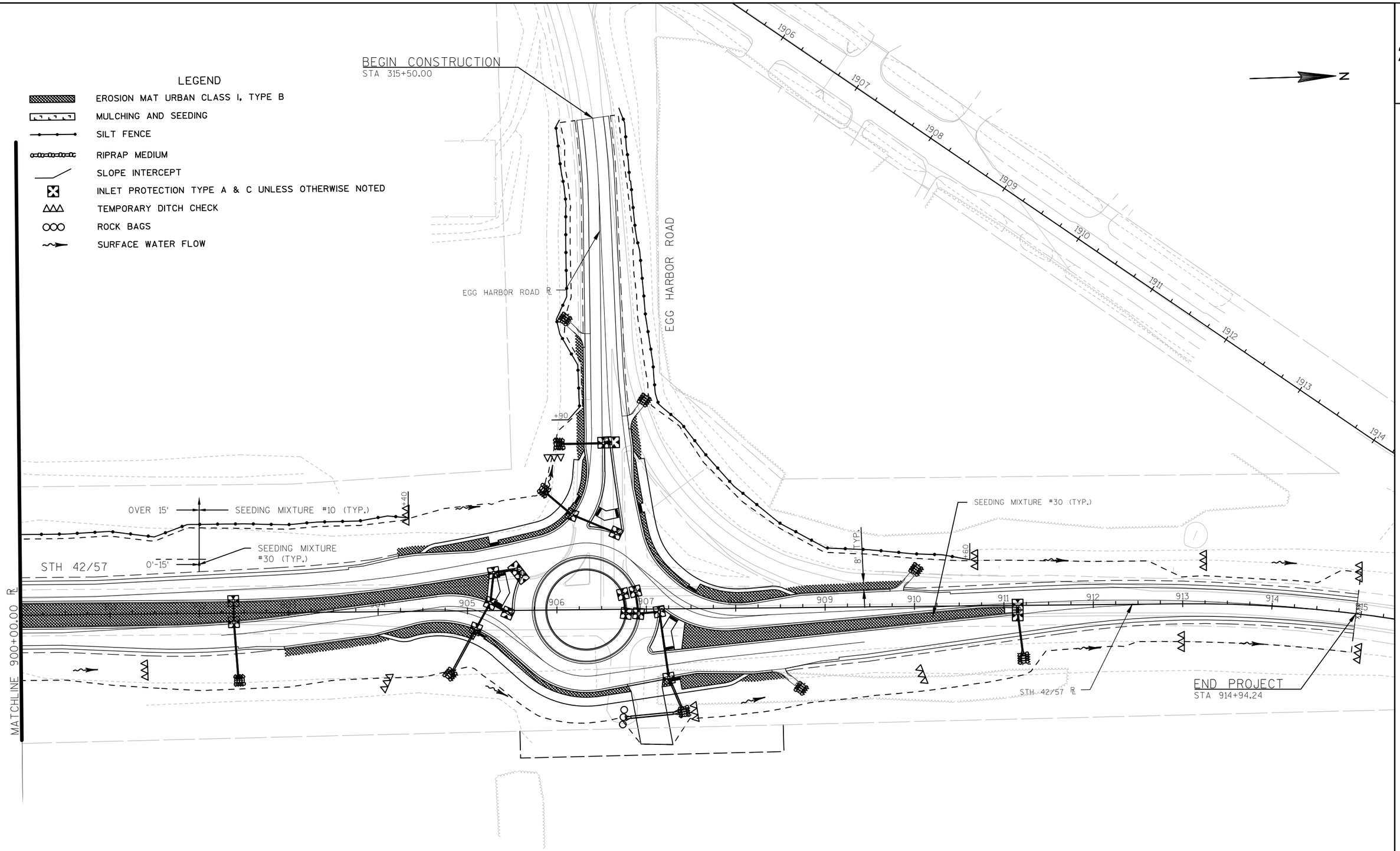


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 2	SHEET 78	E

2

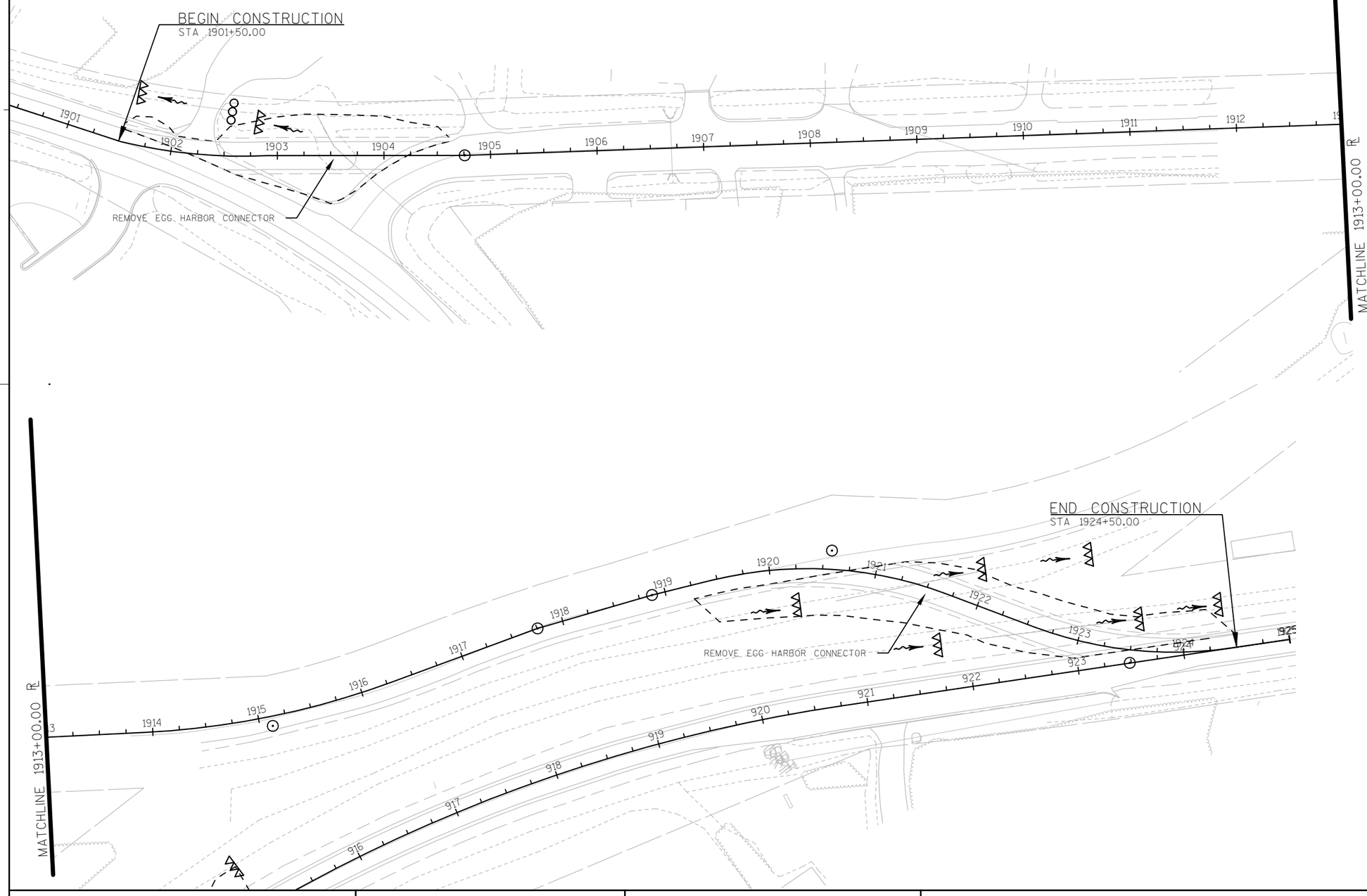
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING AND SEEDING
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A & C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 2	SHEET 79	E

2

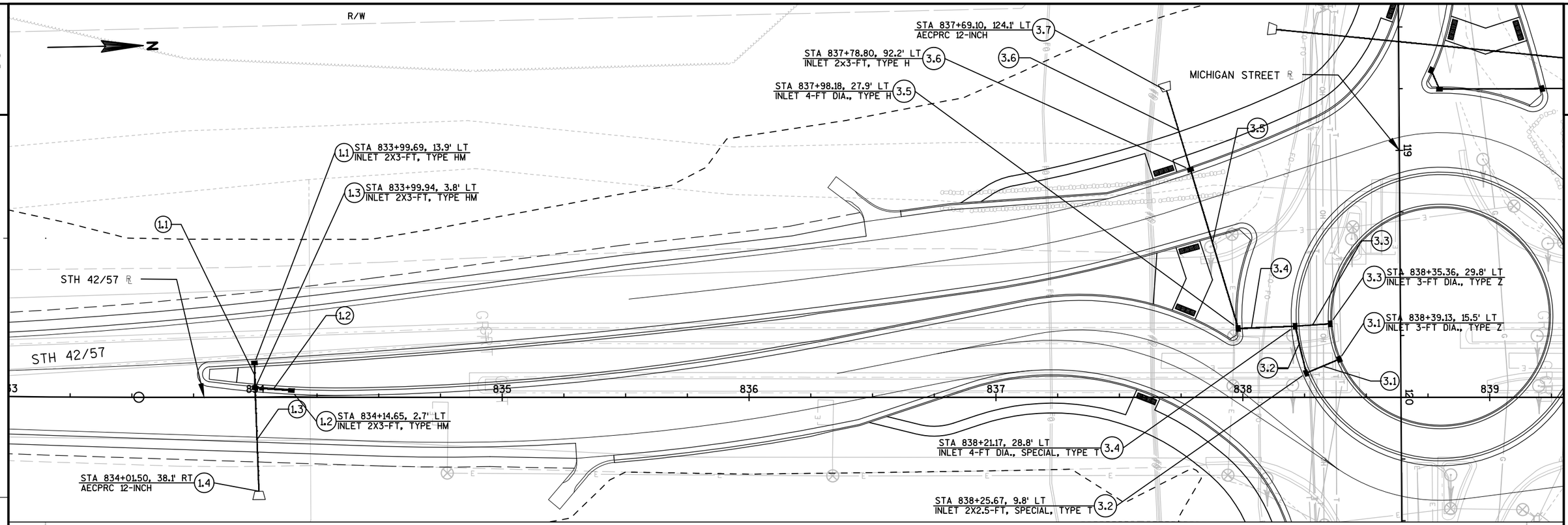


LEGEND

- EROSION MAT CLASS I, TYPE B
- MULCHING AND SEEDING
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A & C
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL - STAGE 3 (EGG HARBOR CONNECTOR REMOVAL)	SHEET 80	E

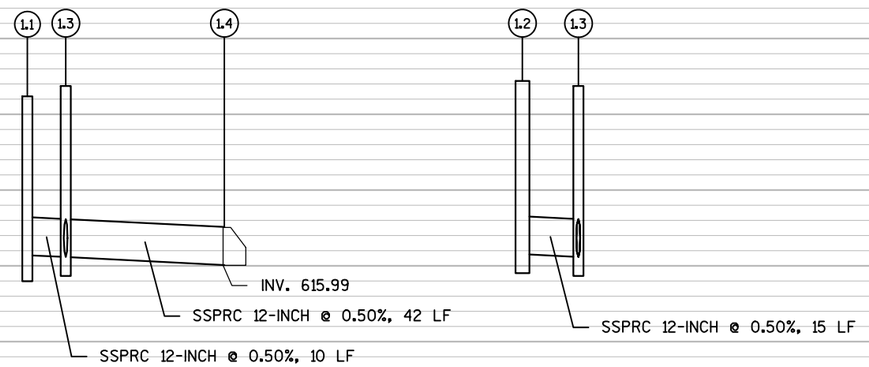
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022001_EC.DWG PLOT DATE : 12/10/2015 10:46 AM PLOT BY : JASEN GROVES PLOT NAME : 022007EC PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

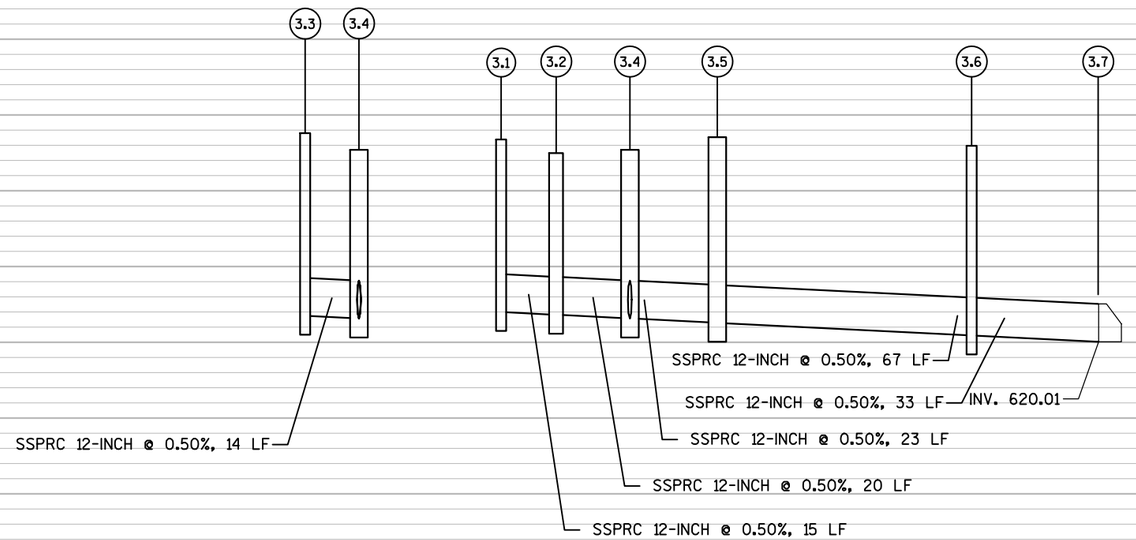


LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH



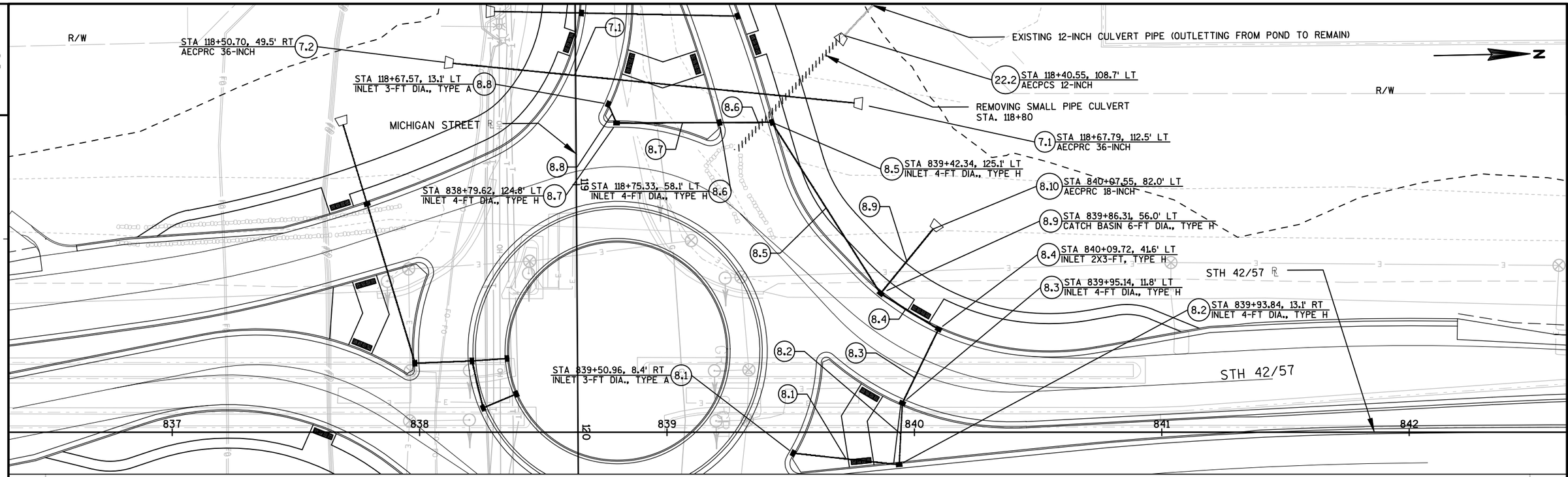


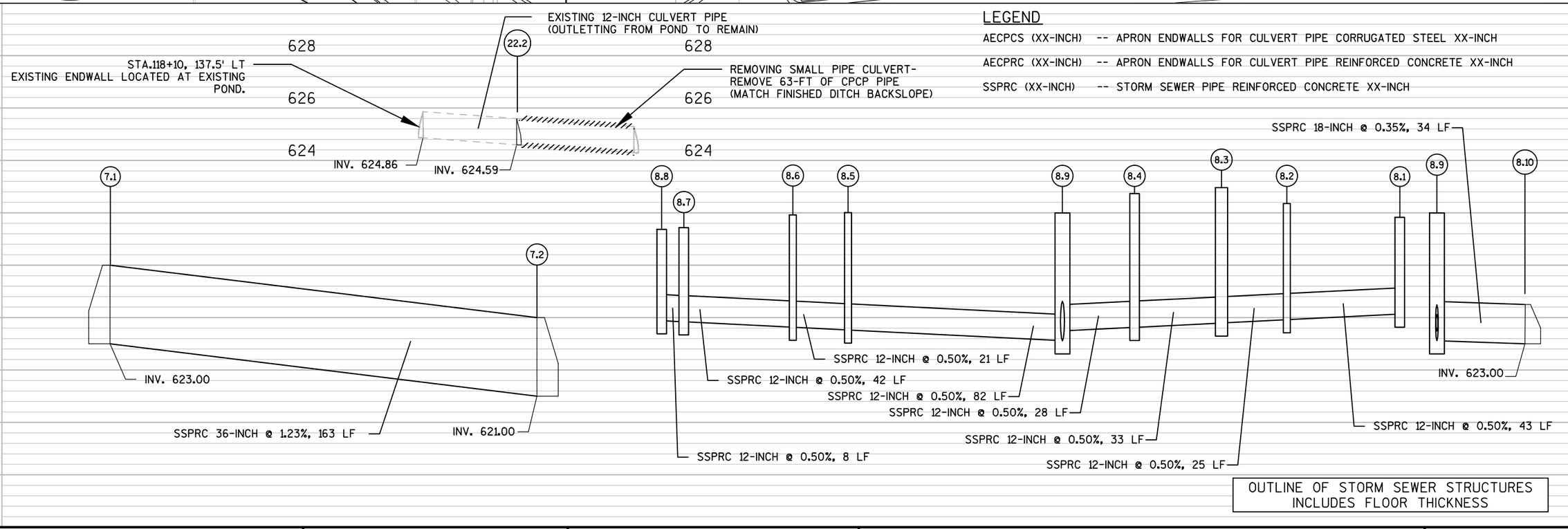
OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

628 626 624 622 620 618 616 614 612

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022501_SS.DWG PLOT DATE : 12/9/2015 2:34 PM PLOT BY : JASEN GROVES PLOT NAME : 022501_SS PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 41





LEGEND

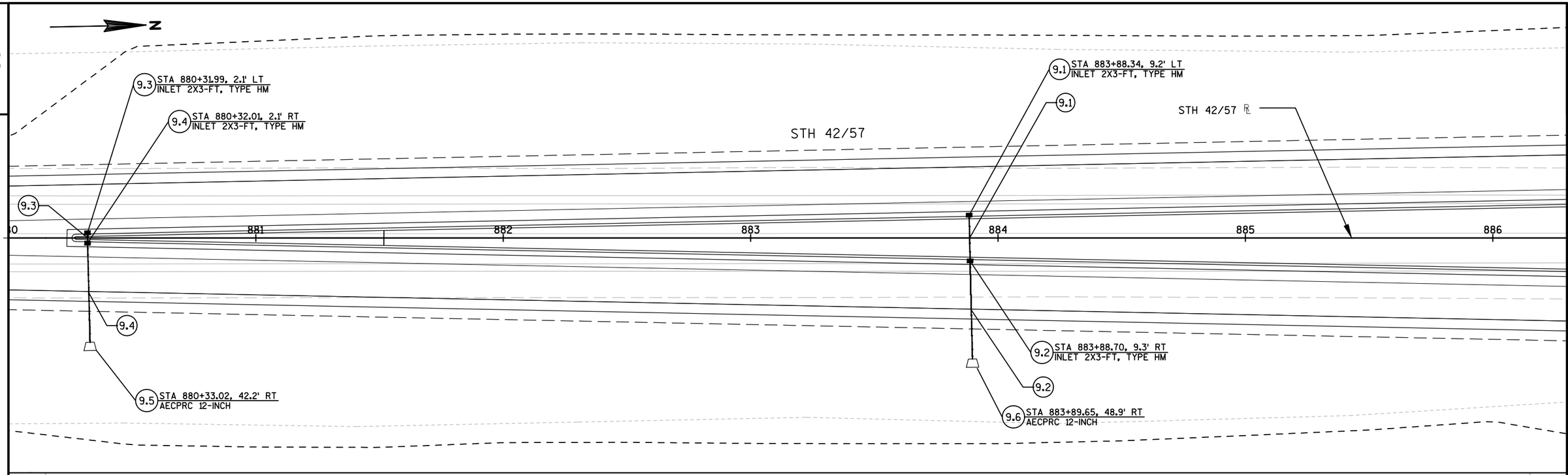
AECPCS (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE CORRUGATED STEEL XX-INCH

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH

OUTLINE OF STORM SEWER STRUCTURES INCLUDES FLOOR THICKNESS

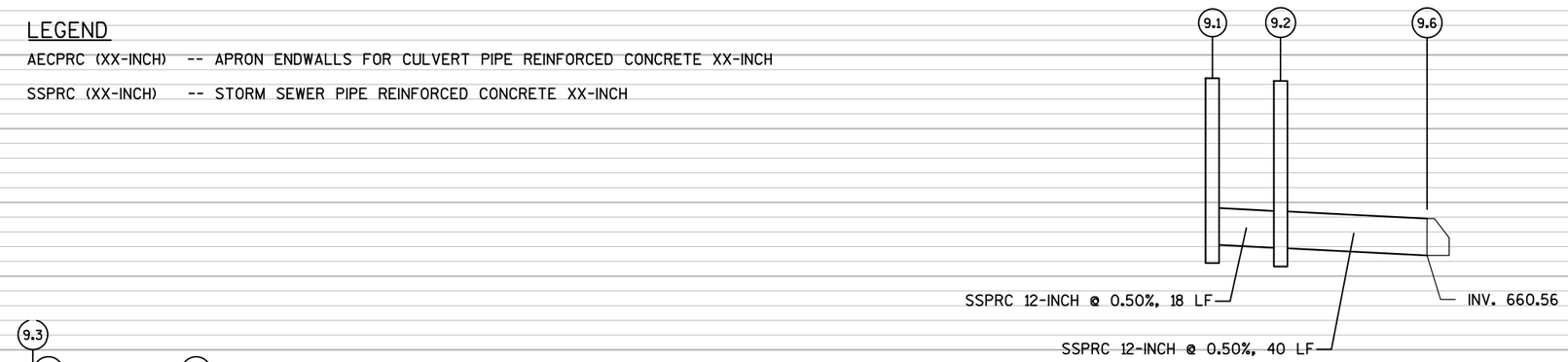
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET 82	E

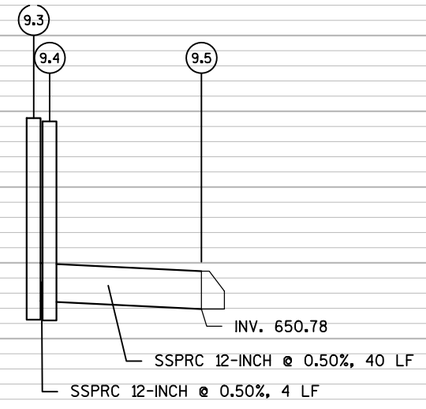


LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH

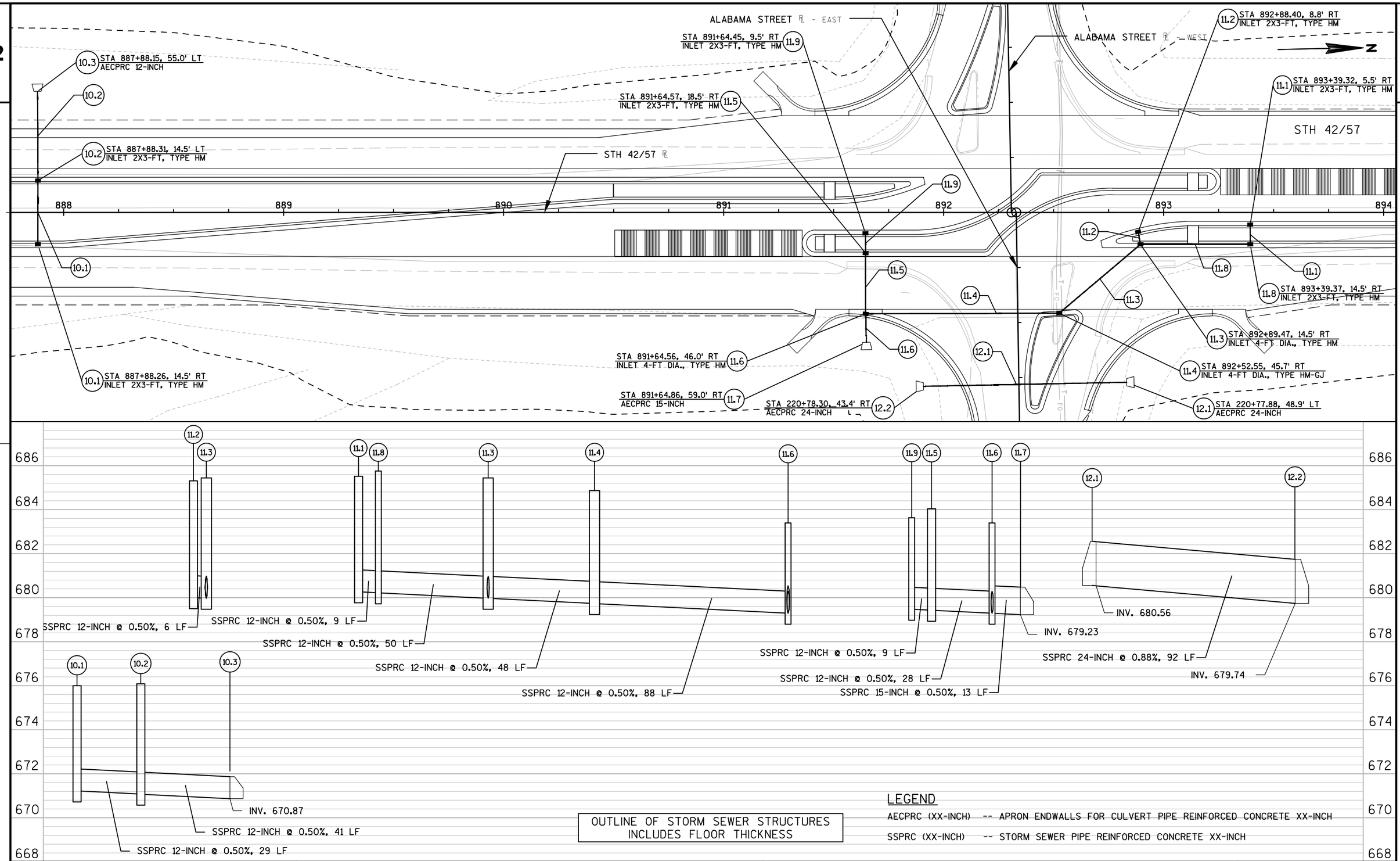




OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

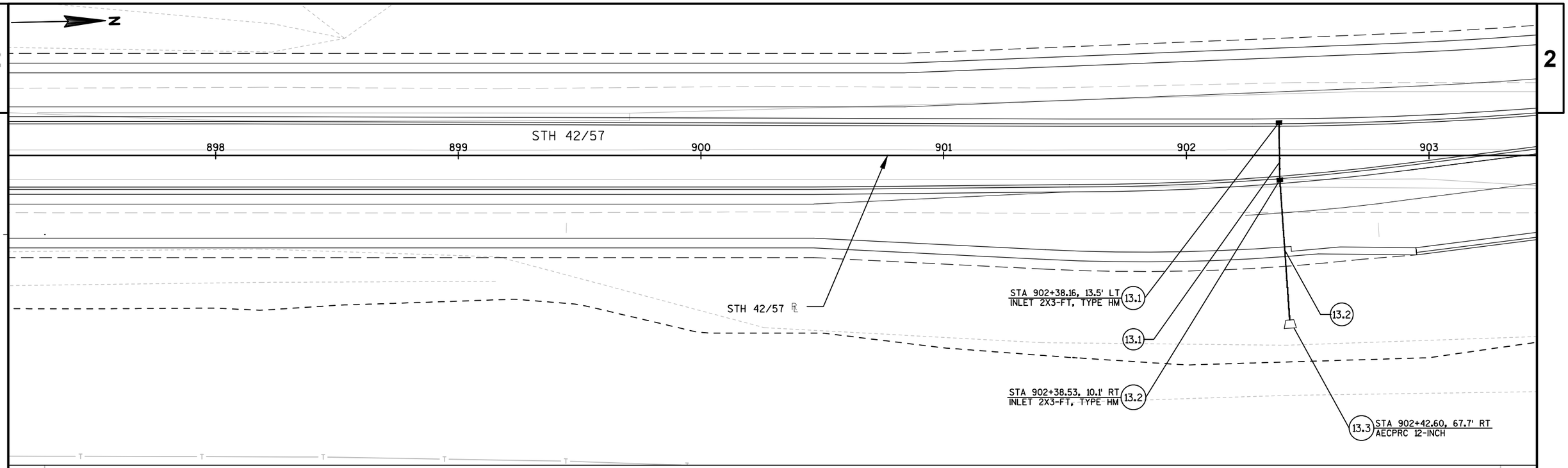
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022503_SS.DWG PLOT DATE : 12/9/2015 2:37 PM PLOT BY : JASEN GROVES PLOT NAME : 022503_SS PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 41



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET	E

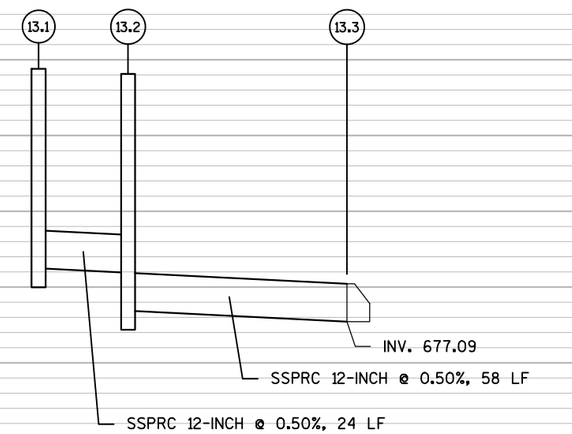
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022504_SS.DWG PLOT DATE : 12/9/2015 2:39 PM PLOT BY : JASEN GROVES PLOT NAME : 022504_SS PLOT SCALE : 1:40_XREF



LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

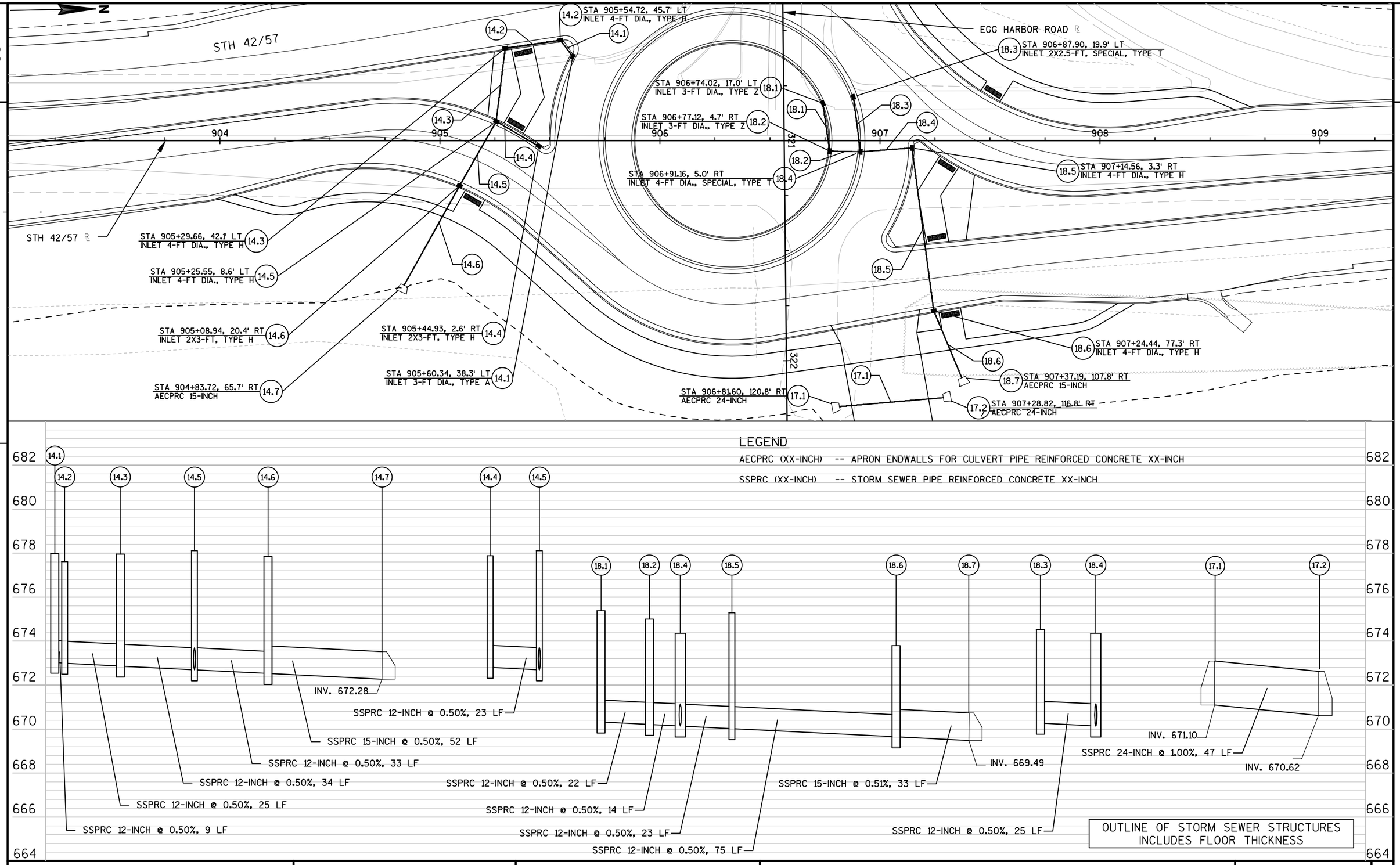
SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH



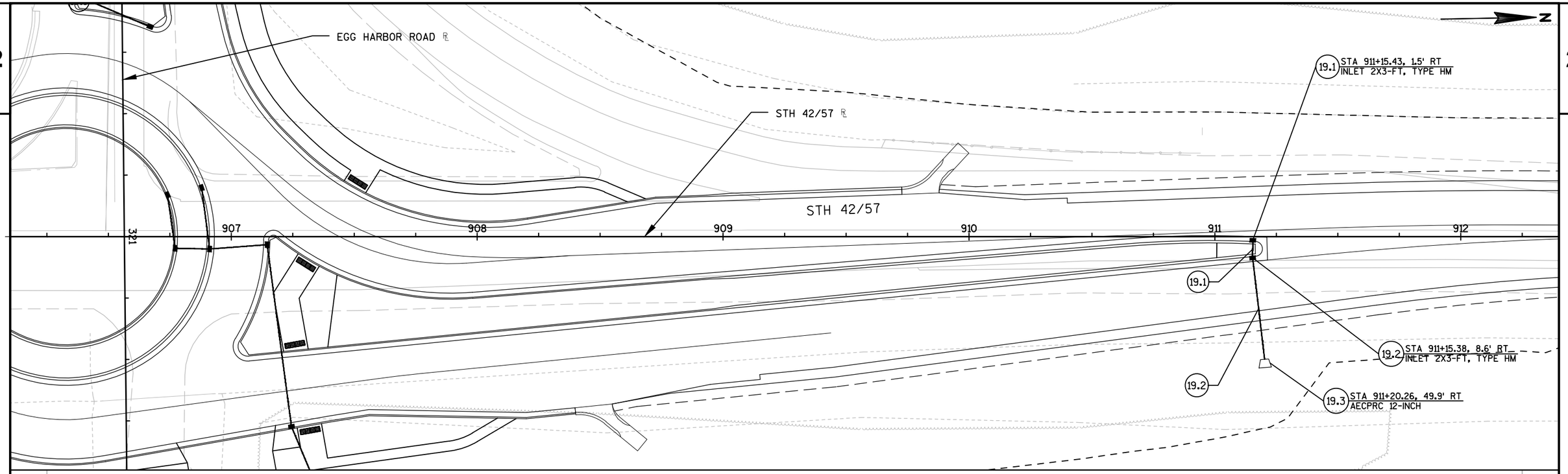
OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022505_SS.DWG PLOT DATE : 12/9/2015 2:41 PM PLOT BY : JASEN GROVES PLOT NAME : 022505_SS PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 41



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET 86	E



678

LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH

676

674

672

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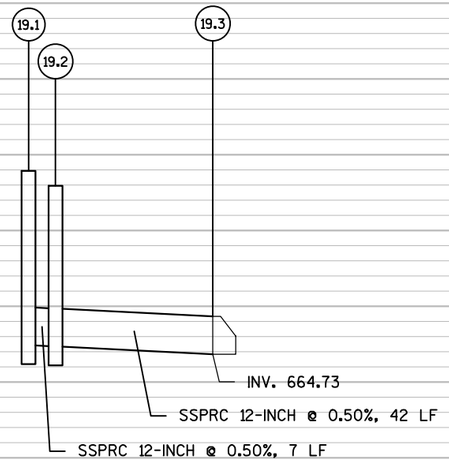
660



OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET 87	E

STA 116+50.00, 19.5' LT
ADJUSTING INLET COVERS 2.1

2.1

STA 116+50.00, 10.9' LT
ADJUSTING MANHOLE COVERS 2.2

2.2

STA 118+32.40, 65.6' LT
INLET 3-FT DIA., TYPE A 6.1

6.1

STH 42/57

R/W

TLE

MICHIGAN STREET

STA 116+50.02, 18.6' RT
ADJUSTING INLET COVERS 2.3

2.3

STA 116+50.01, 35.2' RT
AECPCS 24-INCH 2.4

STA 118+30.73, 2.6' LT
INLET 4-FT DIA., TYPE H 6.2

6.2

STA 118+29.87, 32.6' RT
AECPRC 12-INCH 6.3

115 116 117 118 119 120

839 838

N

2 2

634 632 630 628 626 624 622 620 618 616

2.1 2.2 2.3 2.4

EXISTING (TO REMAIN) PVC 12-INCH @ 4.76%, 9 LF

EXISTING (TO REMAIN) ADS 24-INCH @ 0.92%, 29 LF

CPCPE 24-INCH @ 0.89%, 17 LF

624.39

6.1 6.2 6.3

SSPRC 12-INCH @ 0.50%, 63 LF

SSPRC 12-INCH @ 0.51%, 35 LF

INV. 622.00

LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH

AECPCS (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE CORRUGATED STEEL XX-INCH

CPCPE (XX-INCH) -- CULVERT PIPE CORRUGATED POLYETHYLENE XX-INCH

OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MICHIGAN STREET	SHEET 88	E

STH 42/57 ℄

4.3 STA 121+01.14, 48.2' LT
AECPRC 12-INCH

4.2 STA 120+79.92, 26.9' LT
INLET 4-FT DIA., TYPE H

5.1 STA 121+08.85, 1.2' RT
INLET 3-FT DIA., TYPE A

5.2 STA 121+09.44, 9.0' RT
INLET 4-FT DIA., TYPE H

BAYVIEW ROAD ℄

STA 123+96.63, 43.9' LT
AECPRC 12-INCH 20.2

STA 123+42.98, 47.3' LT
AECPRC 12-INCH 20.1

21.2 STA 124+55.76, 28.0' LT
AECPCS 15-INCH

N

839

838

119 120 121 122 123 124 125

MICHIGAN STREET

MICHIGAN STREET ℄

STA 120+55.17, 11.3' RT
INLET 3-FT DIA., TYPE A 4.1

5.3 STA 121+22.41, 52.7' RT
AECPRC 12-INCH

21.1 STA 124+05.49, 32.9' RT
AECPCS 15-INCH

LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH

AECPCS (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE CORRUGATED STEEL XX-INCH

SSPCS (XX-INCH) -- STORM SEWER PIPE CORRUGATED STEEL XX-INCH

628 626 624 622 620 618 616 614 612 610

4.1 4.2 4.3

SSPRC 12-INCH @ 0.50%, 46 LF

SSPRC 12-INCH @ 0.50%, 30 LF

INV. 621.12

5.1 5.2 5.3

SSPRC 12-INCH @ 0.50%, 8 LF

SSPRC 12-INCH @ 0.50%, 46 LF

INV. 620.01

OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

20.1 20.2

INV. 612.50

SSPRC 12-INCH @ 0.44%, 54 LF

INV. 612.26

21.1 21.2

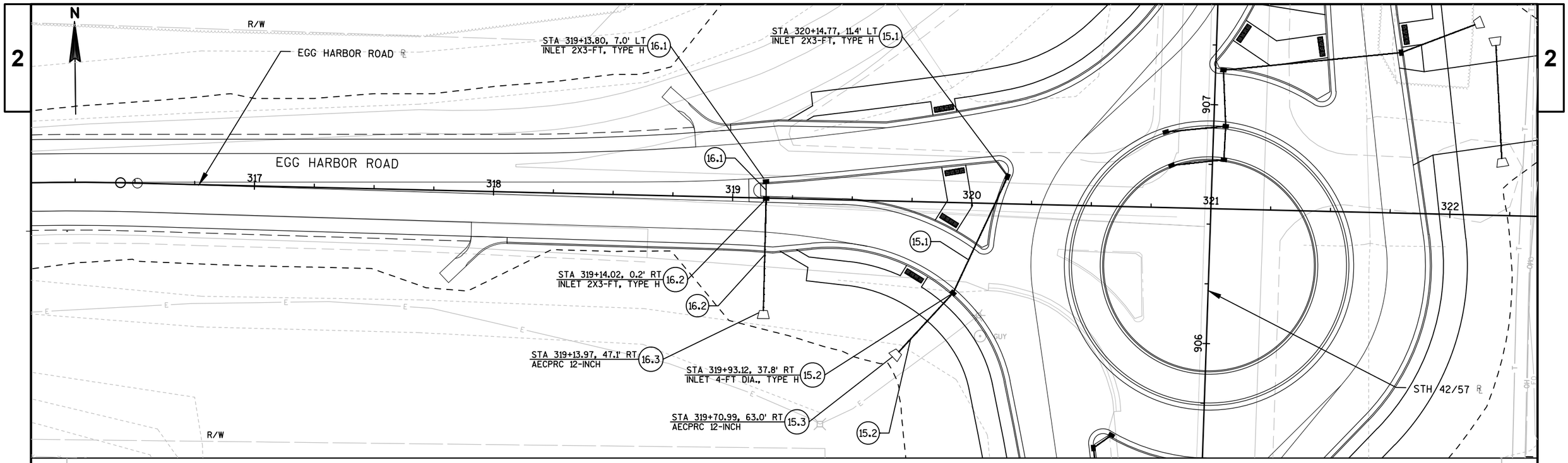
613.00

SSPCS 15-INCH @ 1.27%, 79 LF

612.00

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MICHIGAN STREET	SHEET 89	E

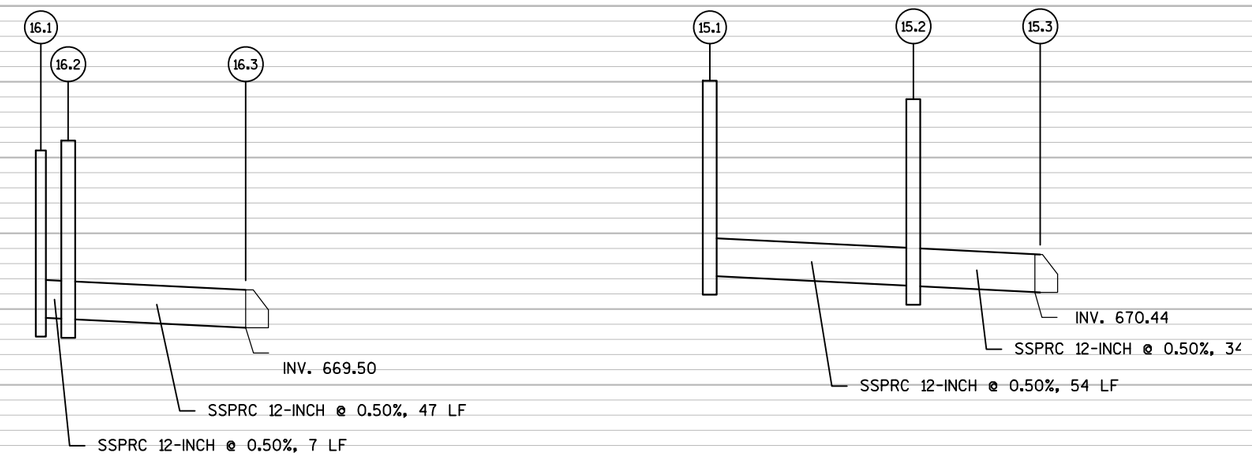
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022509_SS.DWG PLOT DATE : 12/9/2015 3:02 PM PLOT BY : JASEN GROVES PLOT NAME : 022509_SS PLOT SCALE : 1:40_XREF



LEGEND

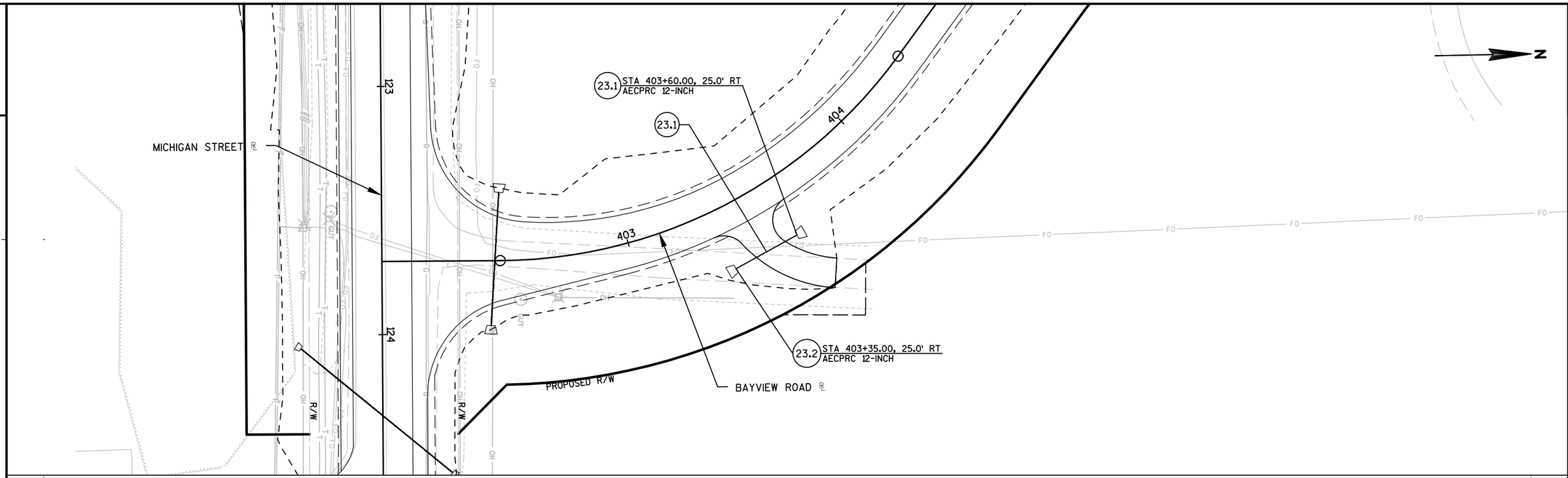
AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH



OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - EGG HARBOR ROAD	SHEET 90	E



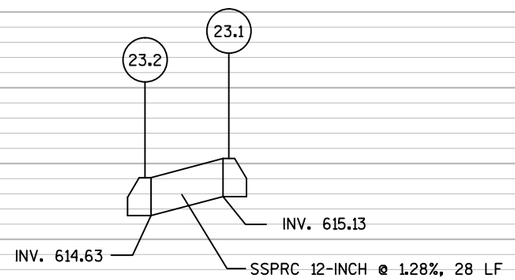
2

624
622
620
618
616
614
612
610
608
606

LEGEND

AECPRC (XX-INCH) -- APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE XX-INCH

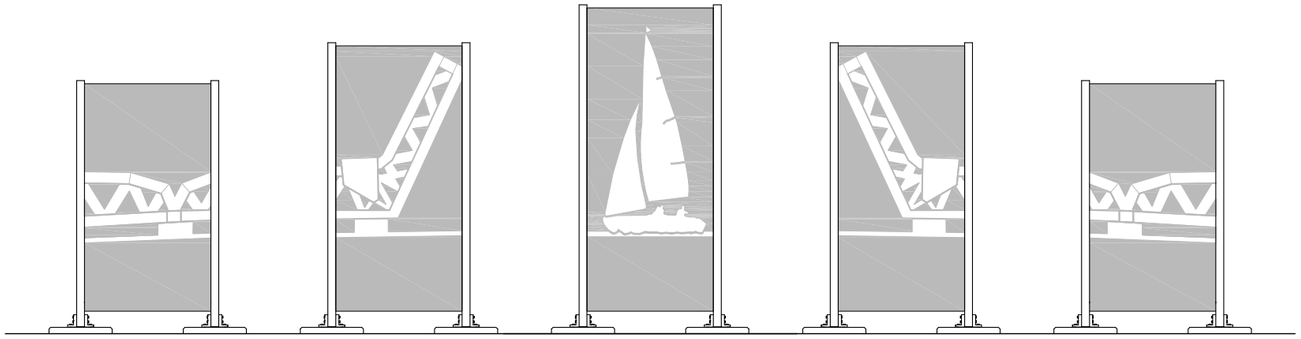
SSPRC (XX-INCH) -- STORM SEWER PIPE REINFORCED CONCRETE XX-INCH



OUTLINE OF STORM SEWER STRUCTURES
INCLUDES FLOOR THICKNESS

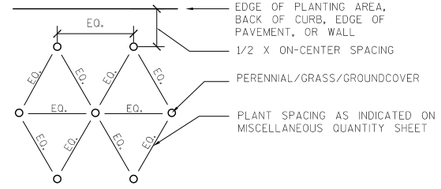
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER PLANS - MAINLINE	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\022511_SS.DWG PLOT DATE : 12/9/2015 2:50 PM PLOT BY : JASEN GROVES PLOT NAME : 022511_SS PLOT SCALE : 1:40_XREF

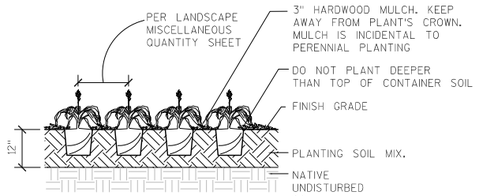


DECORATIVE PANEL LAYOUT

SCALE 1/4" = 1'-0"



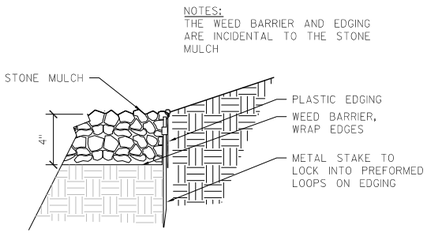
PERENNIAL SPACING



PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL

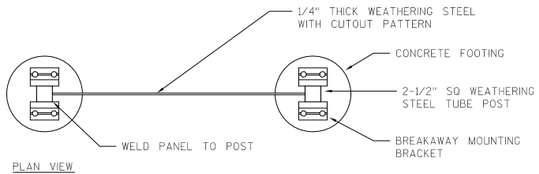
NTS

NOTES:
THE WEED BARRIER AND EDGING ARE INCIDENTAL TO THE STONE MULCH



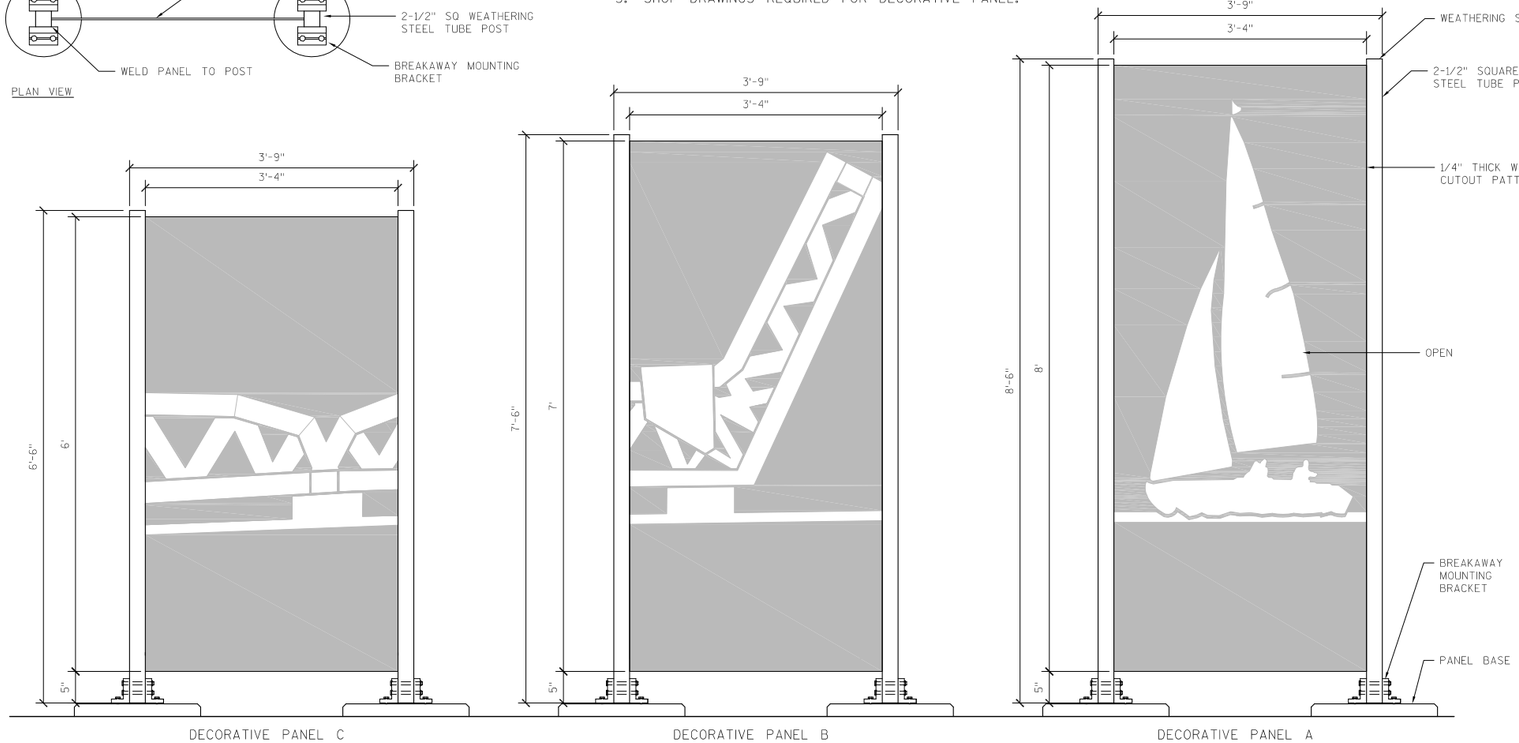
STONE MULCH

NTS



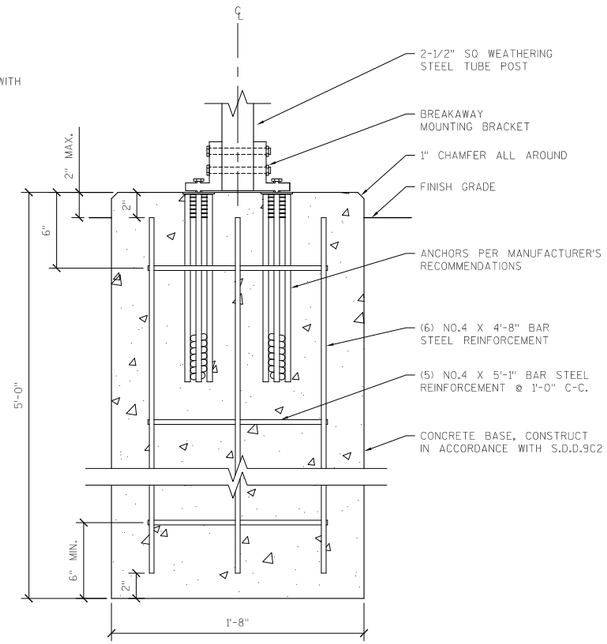
PLAN VIEW

NOTES:
1. PATTERNS ARE AVAILABLE FROM AYRES ASSOCIATES IN AUTOCAD FORMAT.
2. DECORATIVE PANEL FABRICATOR TO RECOMMEND AND SUBMITTED PATTERN MODIFICATIONS TO PROVIDE NEEDED SUPPORT OF SOLID AND VOID AREAS.
3. SHOP DRAWINGS REQUIRED FOR DECORATIVE PANEL.



DECORATIVE PANEL

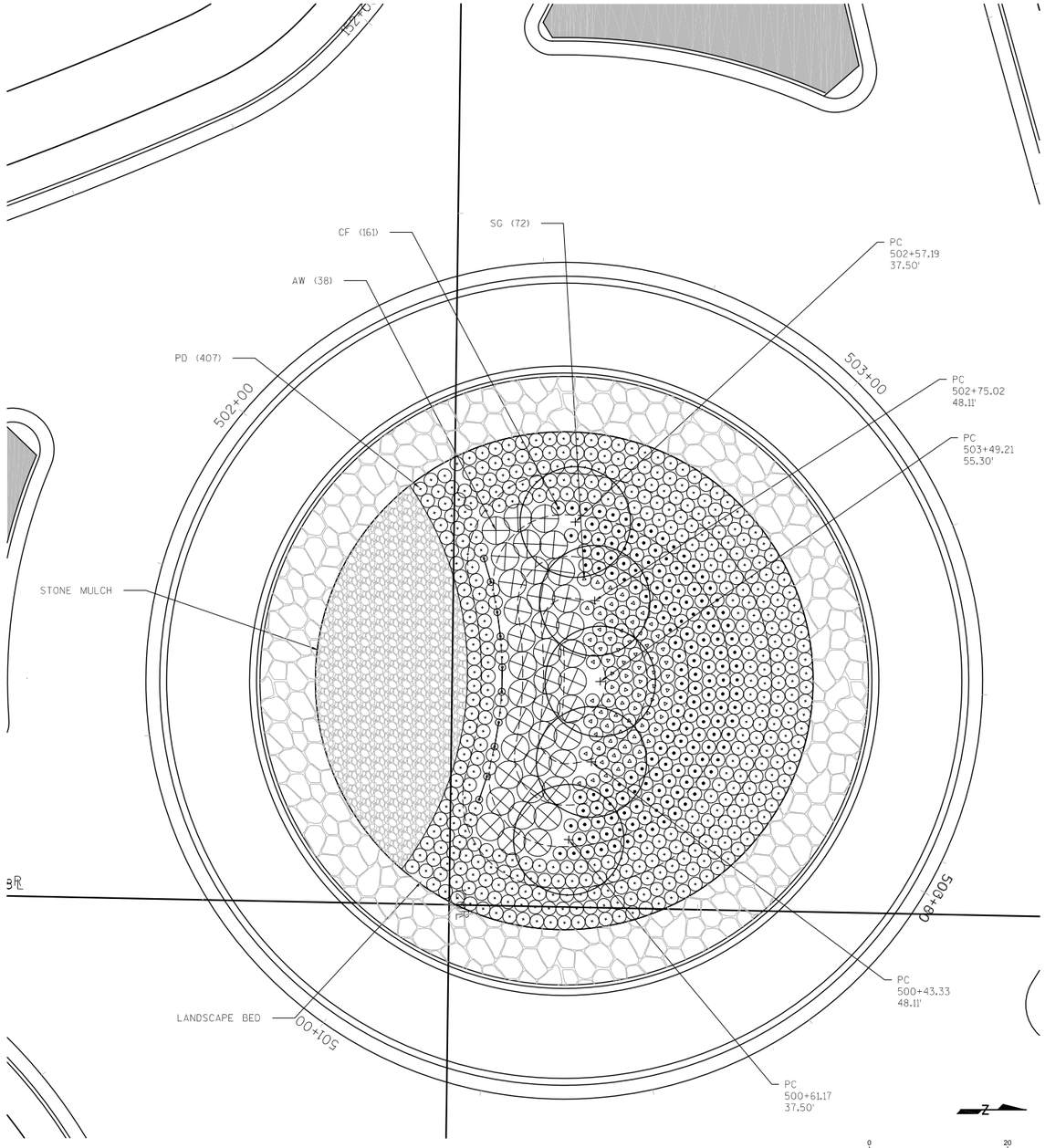
SCALE 1/2" = 1'-0"



PANEL BASE

SCALE 1" = 1'-0"

PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	ROUNDABOUT ENHANCEMENT DETAILS	SHEET 92	E



S.T.H. 42/57 & MICHIGAN STREET ROUNDABOUT LANDSCAPING ENLARGEMENT

0 10 20 Feet

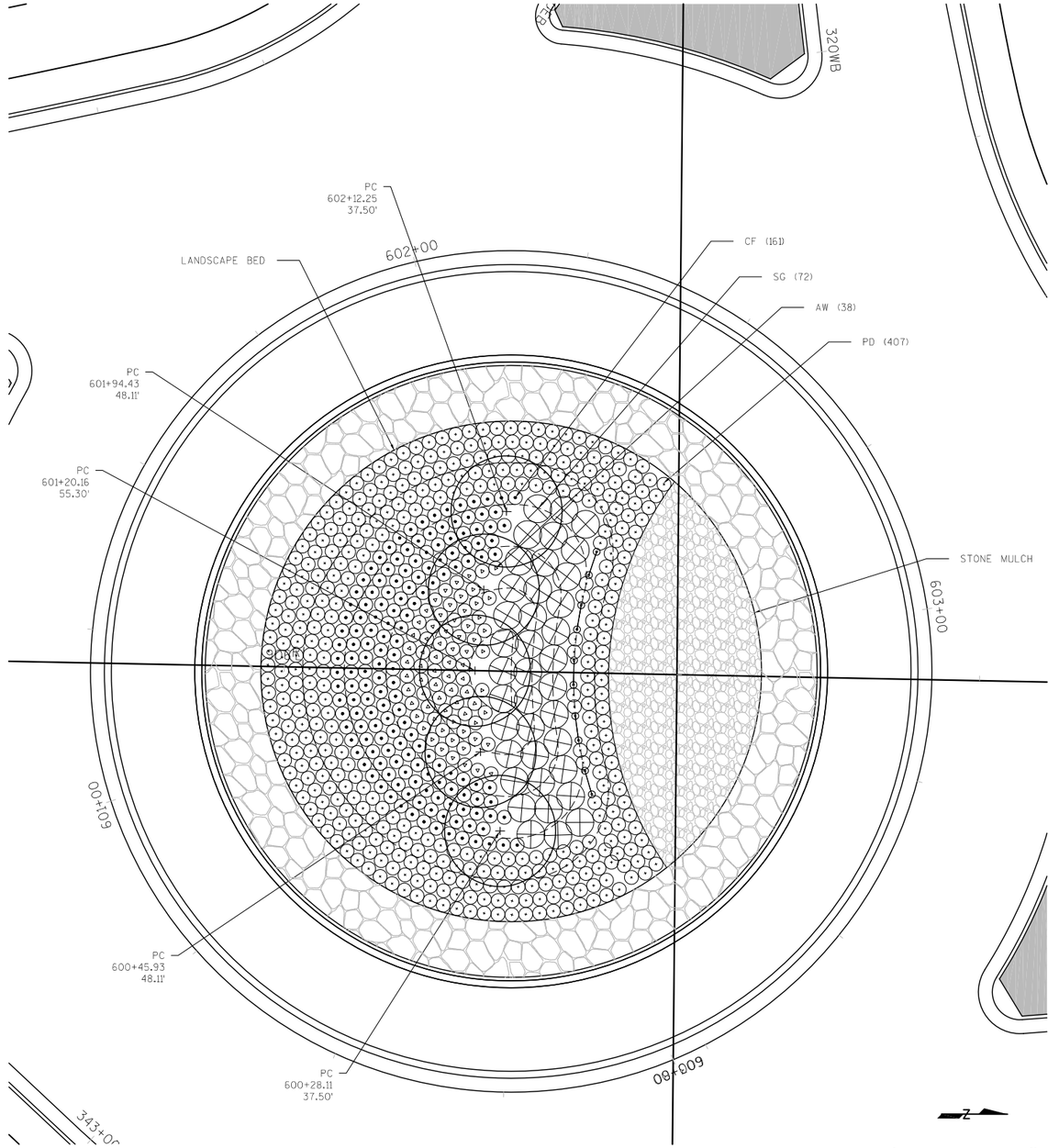
NOTES:
1. STAMPING CONCRETE PATTERN SHOWN FOR GRAPHICAL REPRESENTATION ONLY. PATTERN TO BE RANDOM FLAGSTONE PATTERN. PROVIDE SAMPLE PATTERN TO ENGINEER FOR APPROVAL BEFORE USE.
2. LANDSCAPE BED IN ROUNDABOUT TO HAVE 12-INCH DEPTH OF PLANTING SOIL MIX.
3. HARDWOOD MULCH IS INCIDENTAL TO PLANTINGS.

PLANT LEGEND

TREE
PC PRAIRIFIRE CRABAPPLE

SHRUB
AS ANTHONY WATERER SPIREA

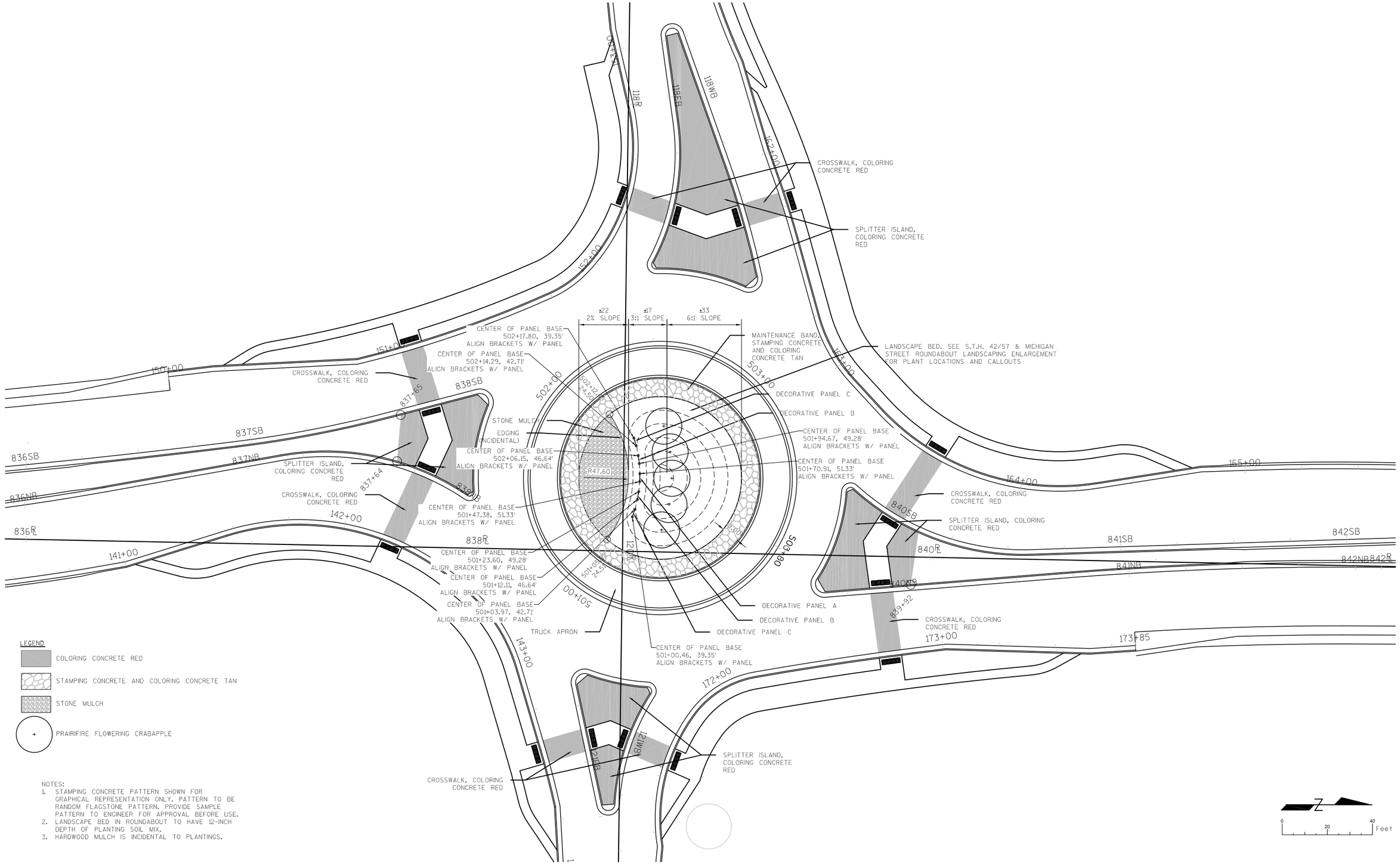
PERENNIALS
CF PURPLE CONEFLOWER
PD PRAIRIE DROPSEED
SG SWITCH GRASS



S.T.H. 42/57 & EGG HARBOR ROAD ROUNDABOUT LANDSCAPING ENLARGEMENT

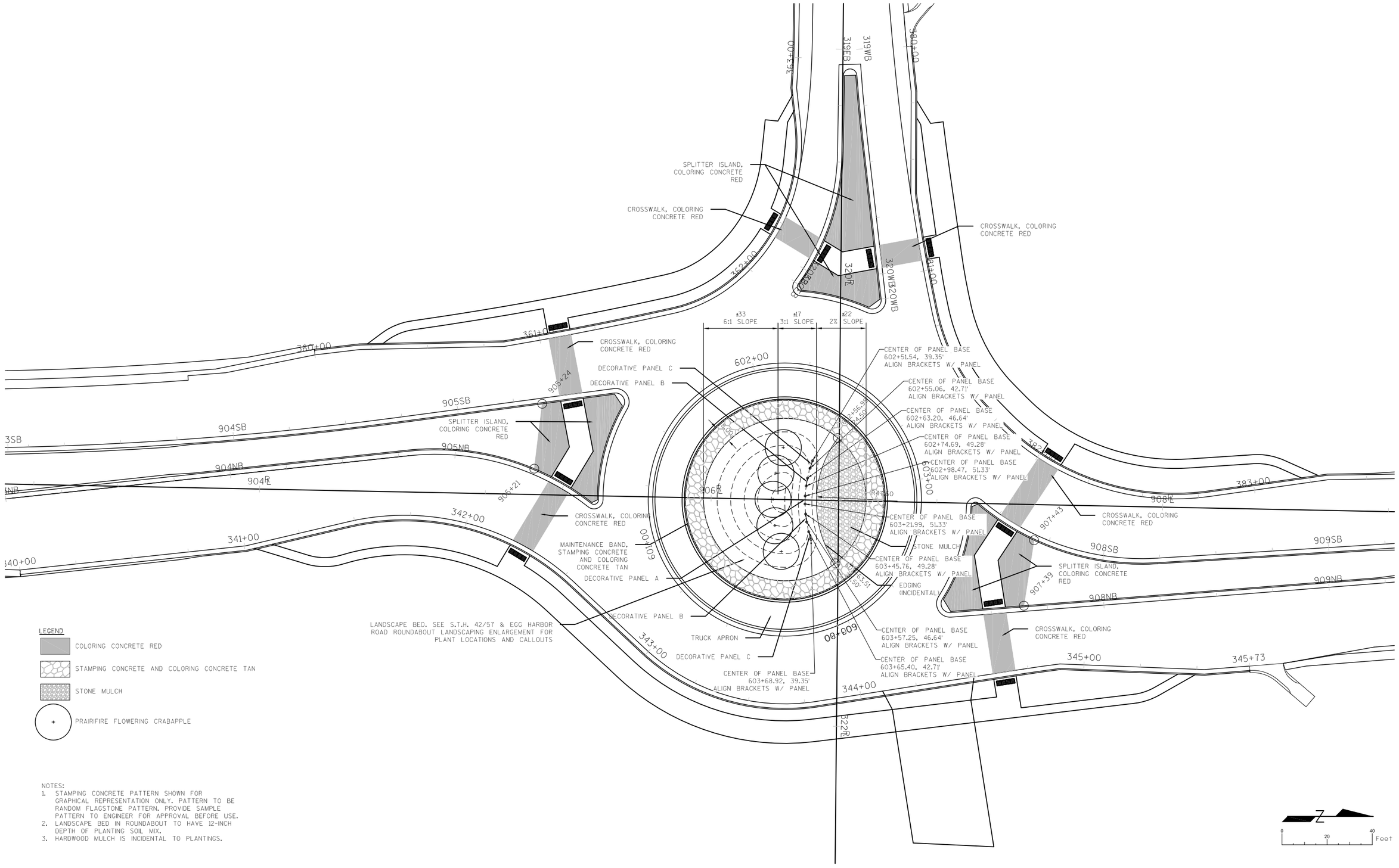
0 10 20 Feet

2



PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	ROUNDABOUT ENHANCEMENT PLAN	SHEET 94	E

2

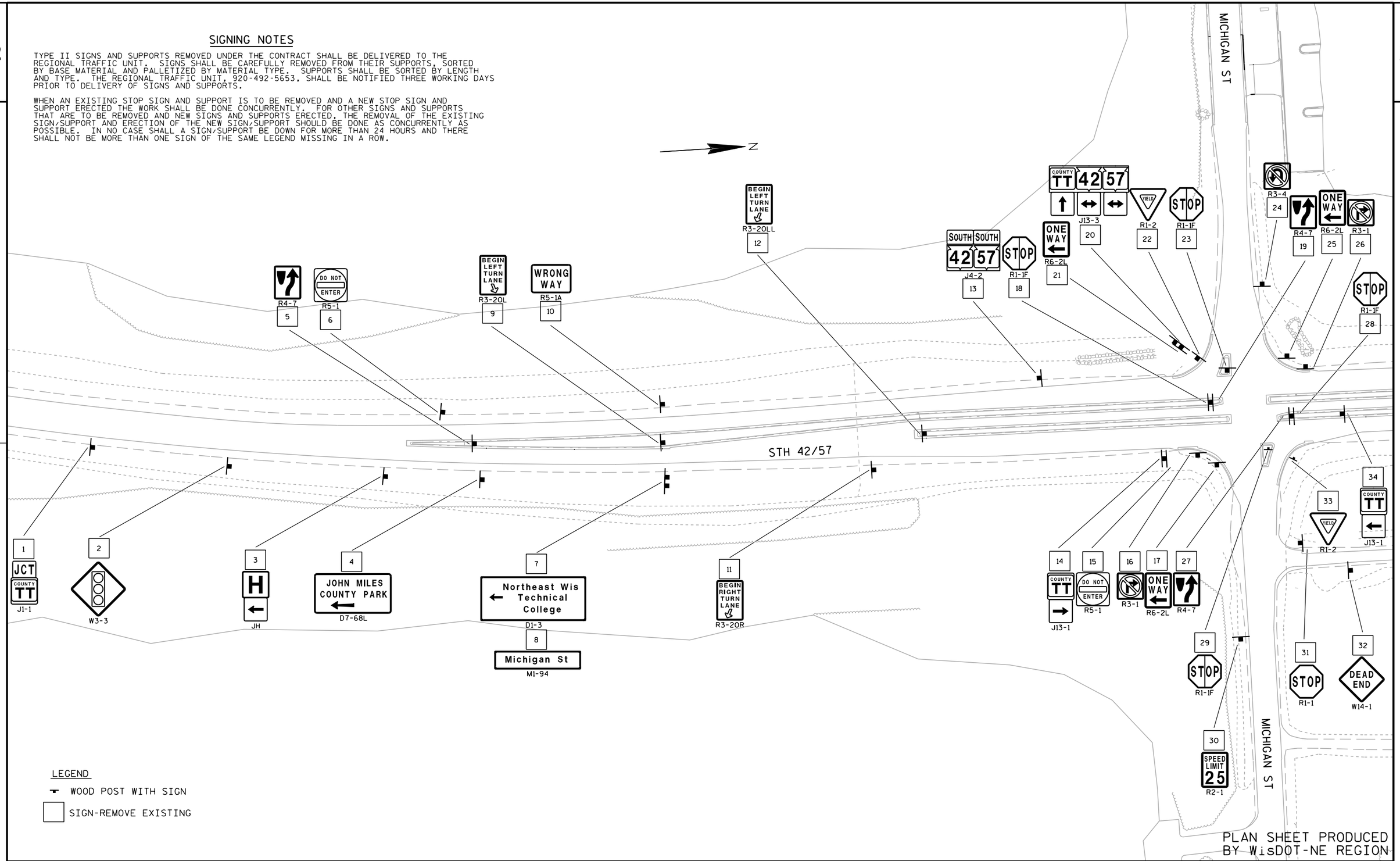


PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	ROUNDABOUT ENHANCEMENT PLAN	SHEET 95	E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THEIR SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT, 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND 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 SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.



LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN REMOVALS	SHEET 96 E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THEIR SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT, 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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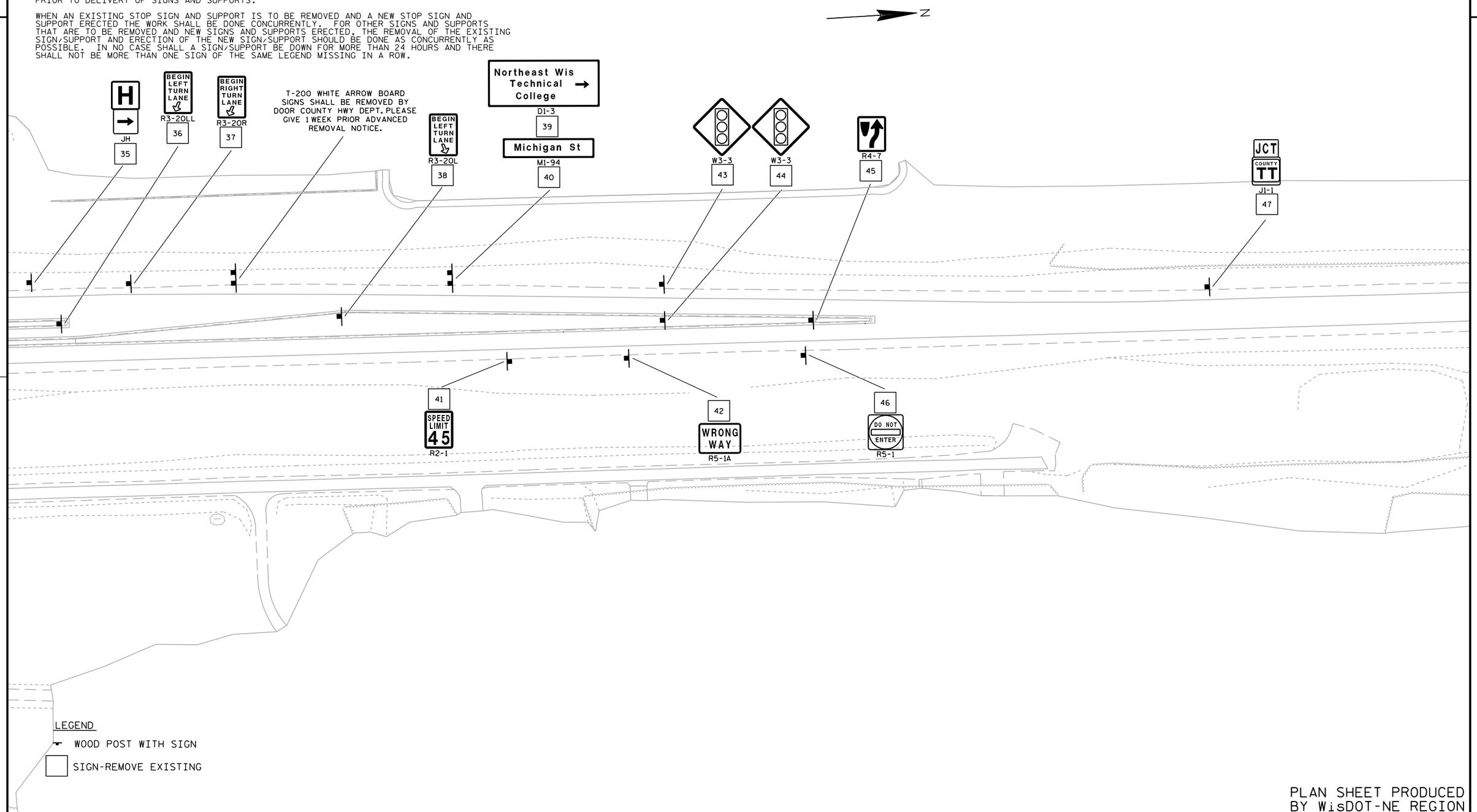


LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

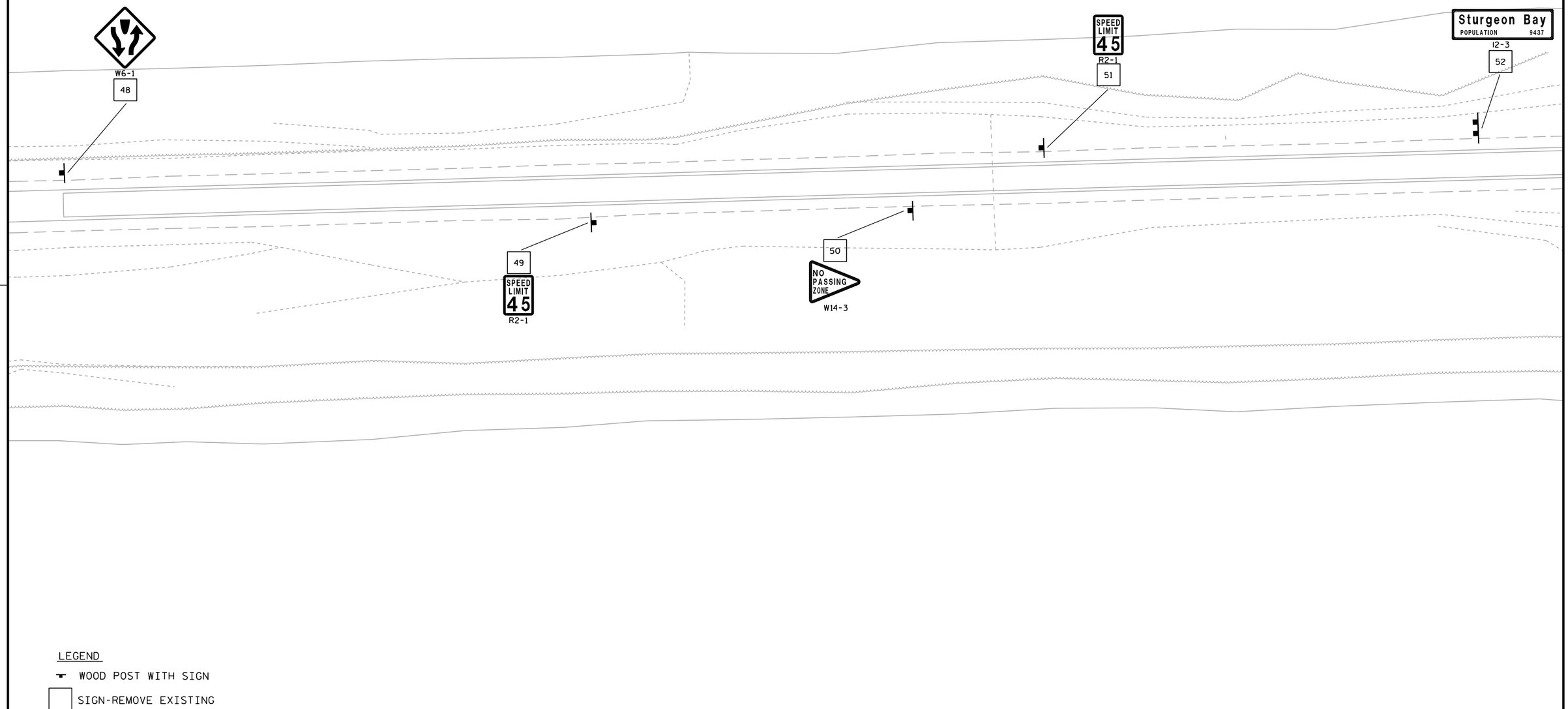
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN REMOVALS	SHEET 97	E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THEIR SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT, 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND 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 SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.



LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

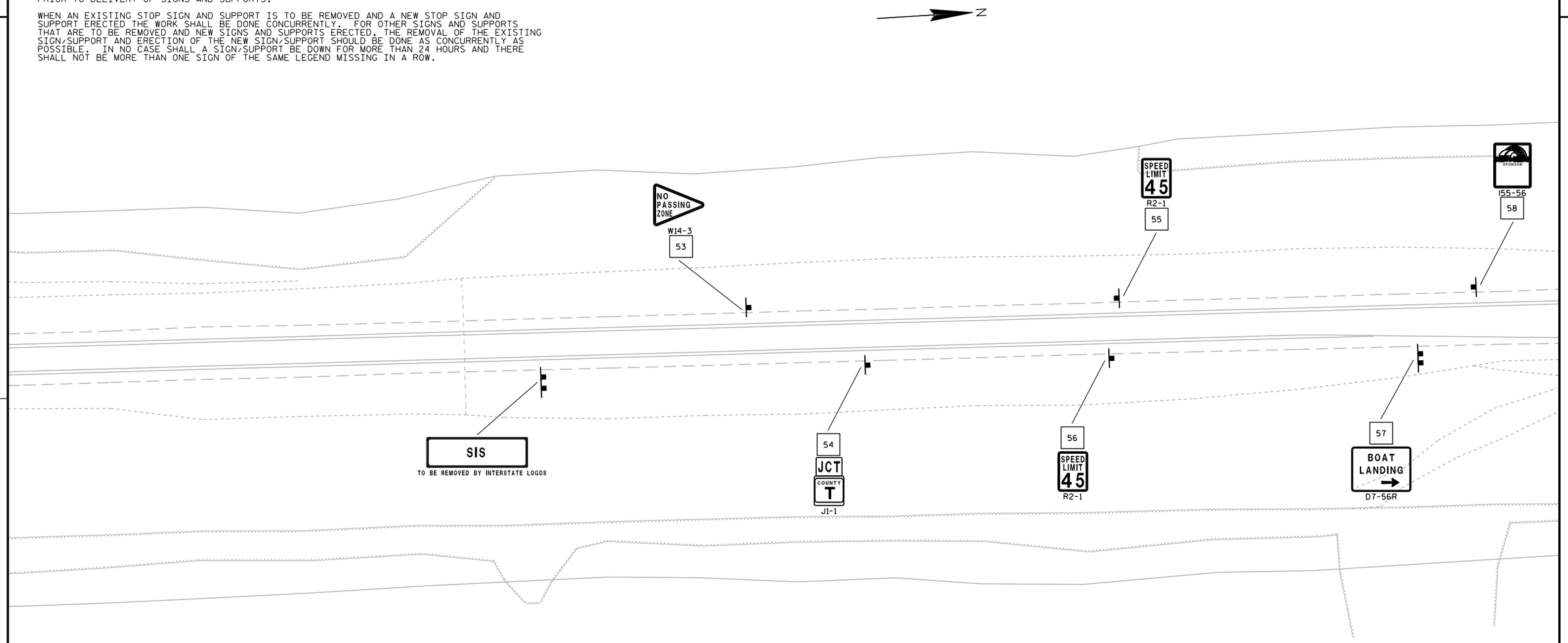
PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY:DOOR	SIGN REMOVALS	SHEET 98	E

2

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THEIR SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT, 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND 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 SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.



LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY:DOOR	SIGN REMOVALS	SHEET 99	E

2

N

STH 42/57

ALABAMA ST

59 — COUNTY T — J13-1

60 — COUNTY T 42 57 — J13-3

61 — STOP R1-1

62 — STOP R1-1

63 — R4-7

64 — SPEED LIMIT 35 R2-1

65 — R4-7

66 — STOP R1-1

67 — STOP R1-1

68 — COUNTY T 42 57 — J13-3

69 — COUNTY T — J13-1

70 — I55-56 SPONSOR

71 — Lily Bay County Park D7-68L

72 — SPEED LIMIT 45 R2-1

73 — REMOVE 2 EXISTING SIGN POSTS

74 — JCT COUNTY T — J1-1

75 — SPEED LIMIT 45 R2-1

76 — Business Dist; Vehicle Registration Driver Licensing — D1-3

77 — SOUTH SOUTH 42 57 — J4-2

LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

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PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN REMOVALS	SHEET 100	E

SIGNING NOTES

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N

EGG HARBOR RD

SIGN CANTILEVER S-15-02

REMOVE TYPE I SIGN AND CANTILEVER SUPPORT AND CONCRETE FOOTING S-15-02

JCT JCT 42 57 — J1-2 — 82

83 — BUSINESS BUSINESS 42 57 — J4-2

TWO WAY TRAFFIC — SP

KEEP RIGHT — R4-52R — 81

DO NOT ENTER — R5-1 — 84

YIELD — R1-2 — 85

WRONG WAY — R5-1A — 86

WRONG WAY — R5-1A — 87

STOP — R1-1 — 79

NO TRESPASSING STATE OF WIS-OWNER VIOLATORS WILL BE PROSECUTED SEC 943.13 WIS STATUTES — R5-98 — 80

Business District → — SP — 91

EXIT 25 M.P.H. — W13-2 — 92

↑ Algoma Green Bay / Sturgeon Bay Business Dist ↗ — D1-4 — 94

JOHN MILES COUNTY PARK → — D7-68R — 96

SOUTH SOUTH BUSINESS BUSINESS 42 57 42 57 — J2-4 — 97

78 — DO NOT ENTER — R5-1

88 — R4-7

89 — STOP — R1-1

90 — W1-7

93 — NORTH NORTH 42 57 — J4-2

95 — SPEED LIMIT 45 — R2-1

LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN REMOVALS	SHEET 101	E

SIGNING NOTES

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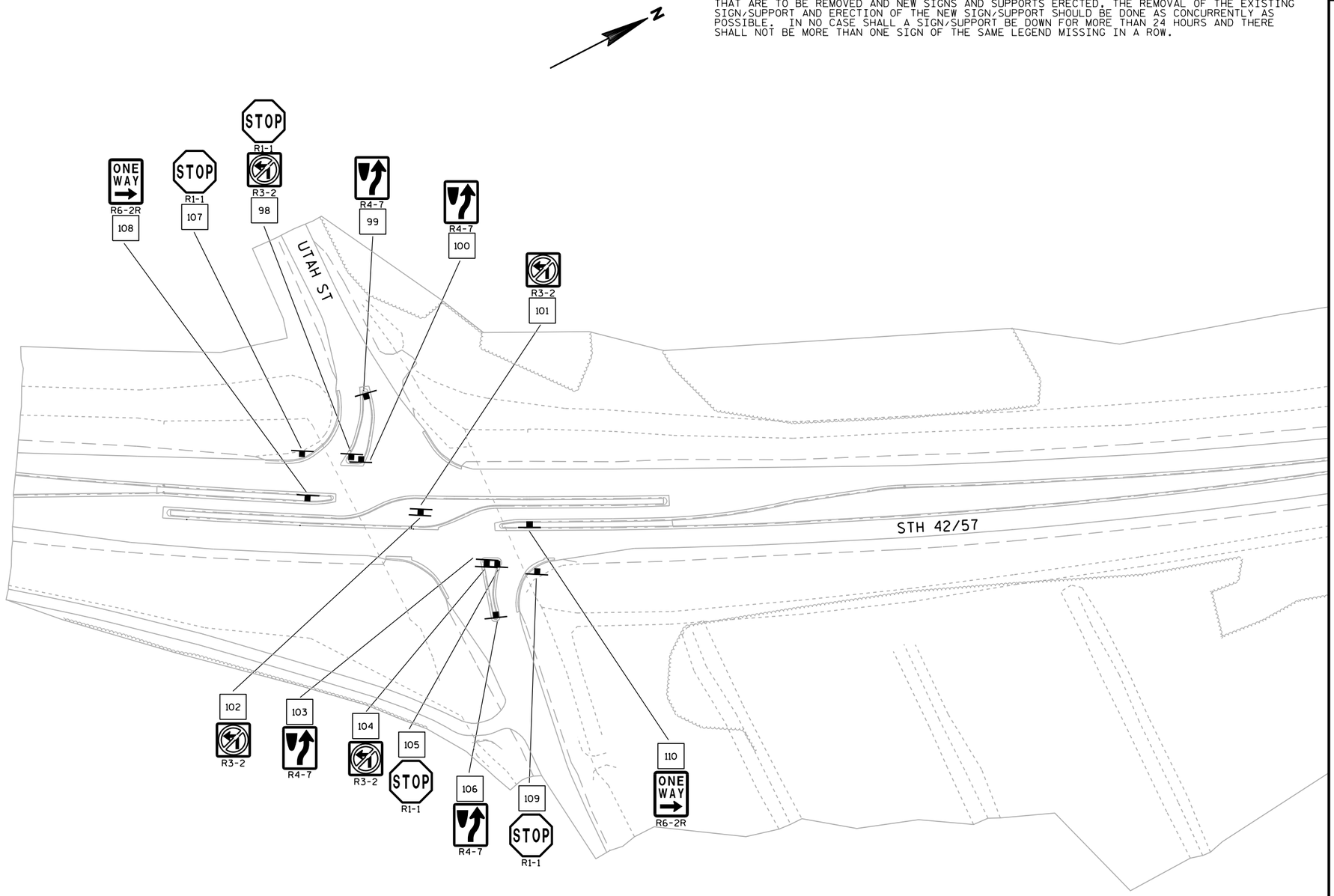

LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN REMOVALS	SHEET 102	E

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WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.

NEW YIELD SIGNS (R1-2) SHALL HAVE A MINIMUM OF 7' 3" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF SIGNS BENEATH THE YIELD SIGN.

N

207 J1-1 24" X 39" — JCT / COUNTY TT

208 W2-6 30" X 30"

209 15 M.P.H. W13-1 18" X 18"

210 D1-62 144" X 78" — NORTH NORTH 42 57; Michigan St; TT

210A D1-3 96" X 36" — Northeast Wis Technical College

212 W3-2 36" X 36"

213 R4-7 24" X 30"

214 J4-3 72" X 36" — SOUTH SOUTH 42 57

215 J3-2 48" X 57" — NORTH NORTH 42 57

216 J13-2 48" X 45" — H COUNTY TT

217 R3-6X 42" X 48"

218 R3-6R 42" X 48"

SIGN CANTILEVER
STA 835+85
S-15-15

219 R1-2 48" X 42"

220 R6-2R 24" X 30" — ONE WAY

221 R1-2 48" X 42"

222 R1-54 24" X 15" — TO TRAFFIC FROM LEFT

223 R6-1R 54" X 18" — ONE WAY

224 R6-4B 60" X 24"

225 D2-2 72" X 30" — SOUTH SOUTH 42 57

226 D1-2 84" X 30" — TT Michigan St

211 R2-1 24" X 30" — SPEED LIMIT 45

245 R6-1R 36" X 12" — ONE WAY

246 R6-4B 60" X 24"

247 R1-2 36" X 31" — YIELD

248 R1-54 24" X 15" — TO TRAFFIC FROM LEFT

249 R1-2 36" X 31" — YIELD

250 R6-2R 24" X 30" — ONE WAY

824NB 825NB 826NB 827NB 828SB 829SB 830SB 831SB 831NB 832SB 832NB 833SB 833NB 834SB 834NB 835SB 835NB 836SB 836NB 837SB 837NB 838SB 838NB

115-00 116EB 117EB 121EB 123EB 124EB 502-00 503-00 500-00 501-00 402-00

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 103 E

SIGNING NOTES

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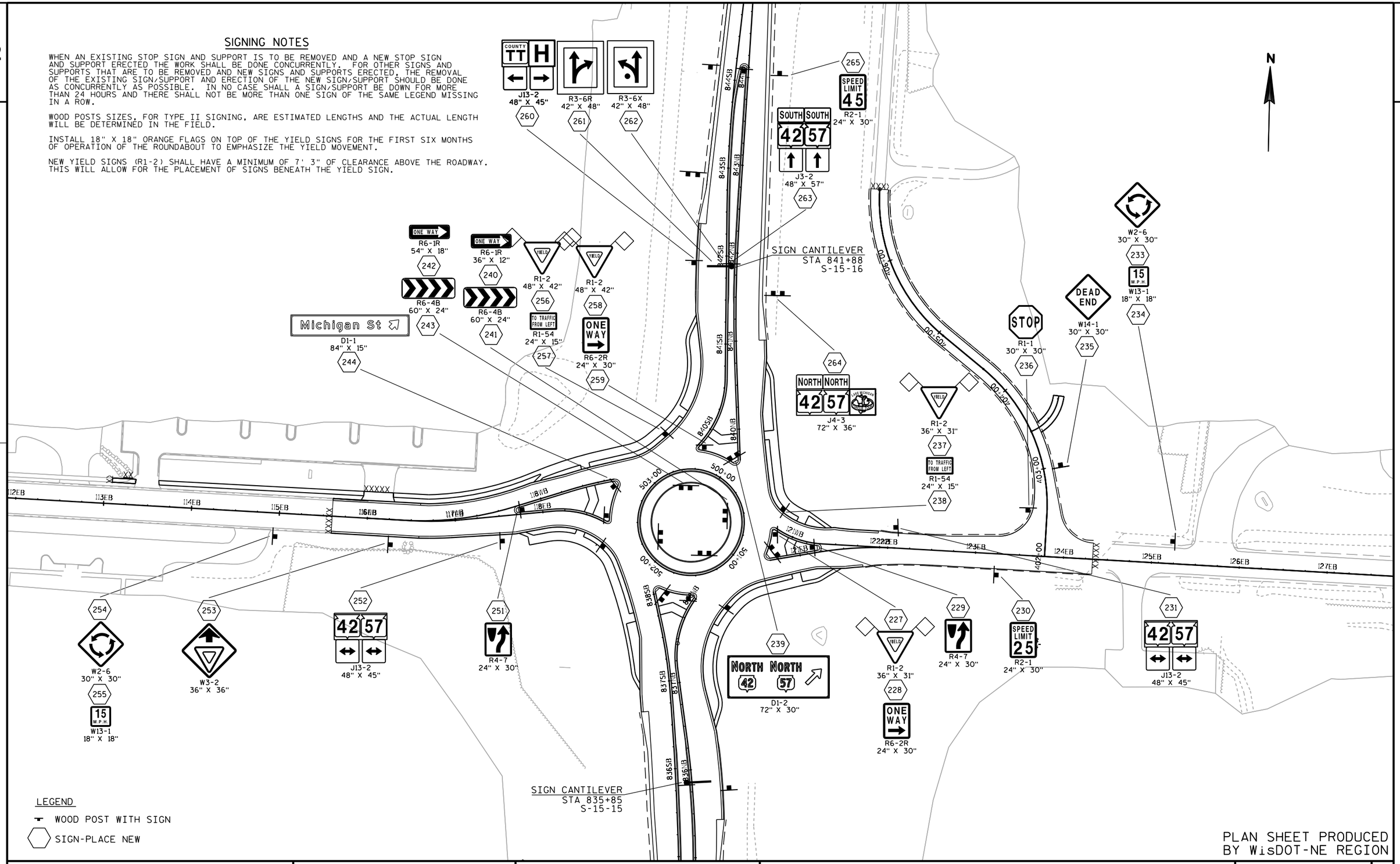
INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.

NEW YIELD SIGNS (R1-2) SHALL HAVE A MINIMUM OF 7' 3" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF SIGNS BENEATH THE YIELD SIGN.



PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 104	E

2

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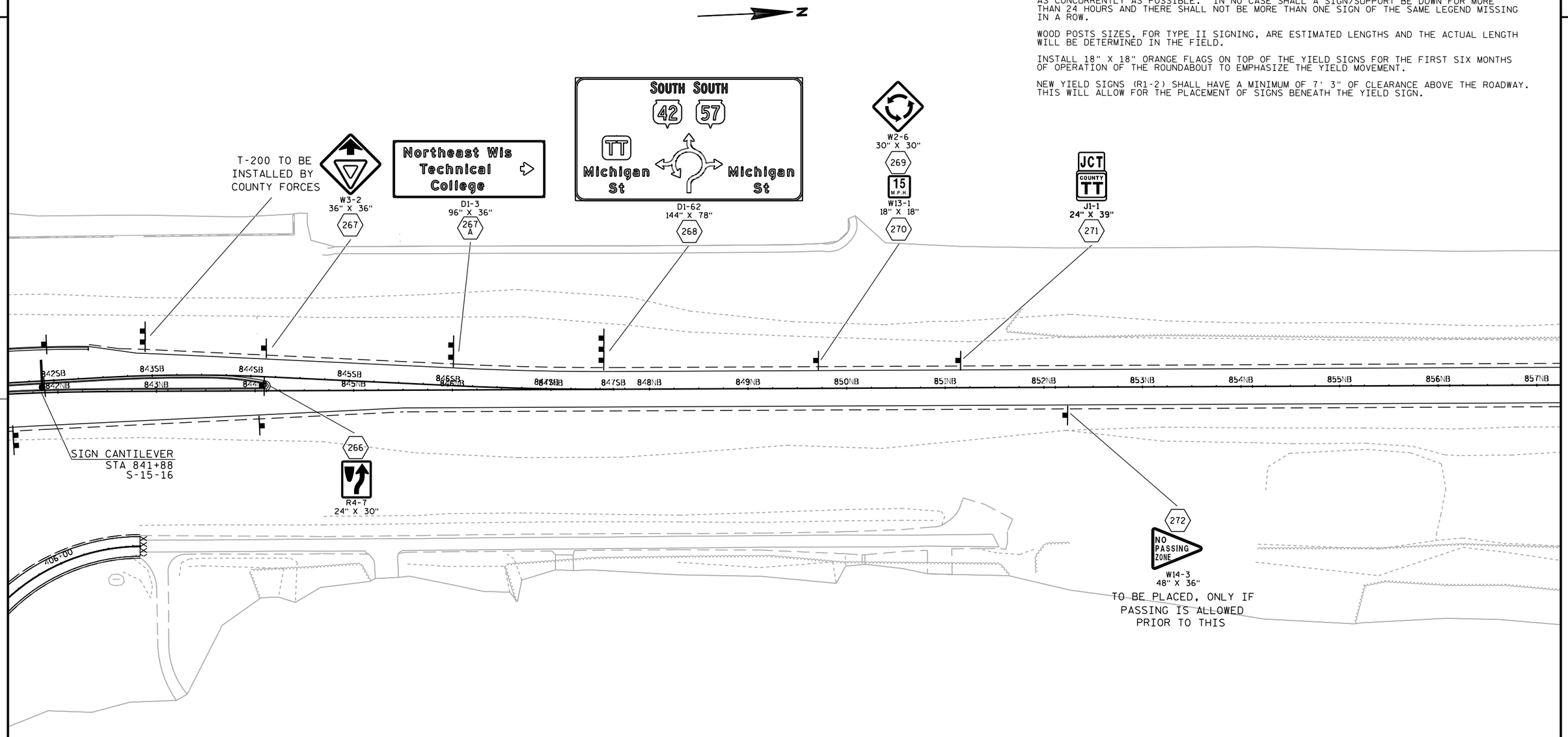

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 105	E

SIGNING NOTES

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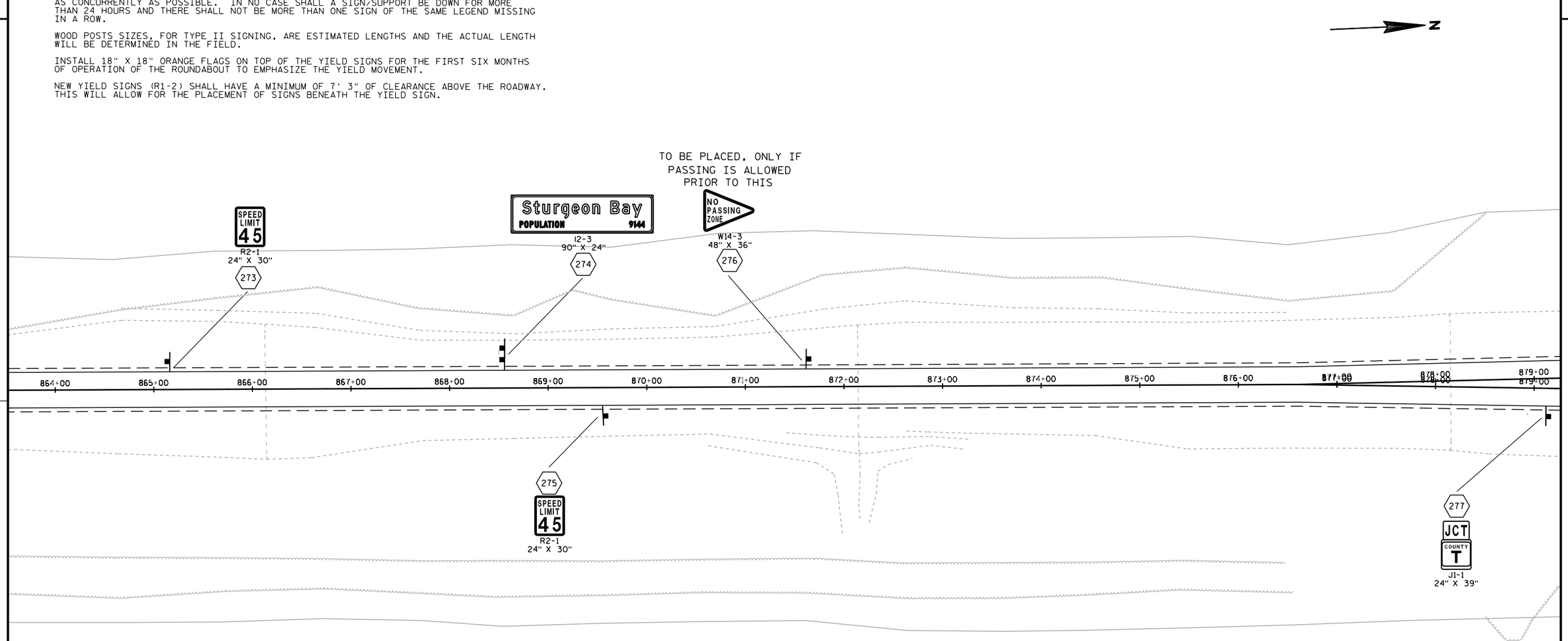

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 106	E

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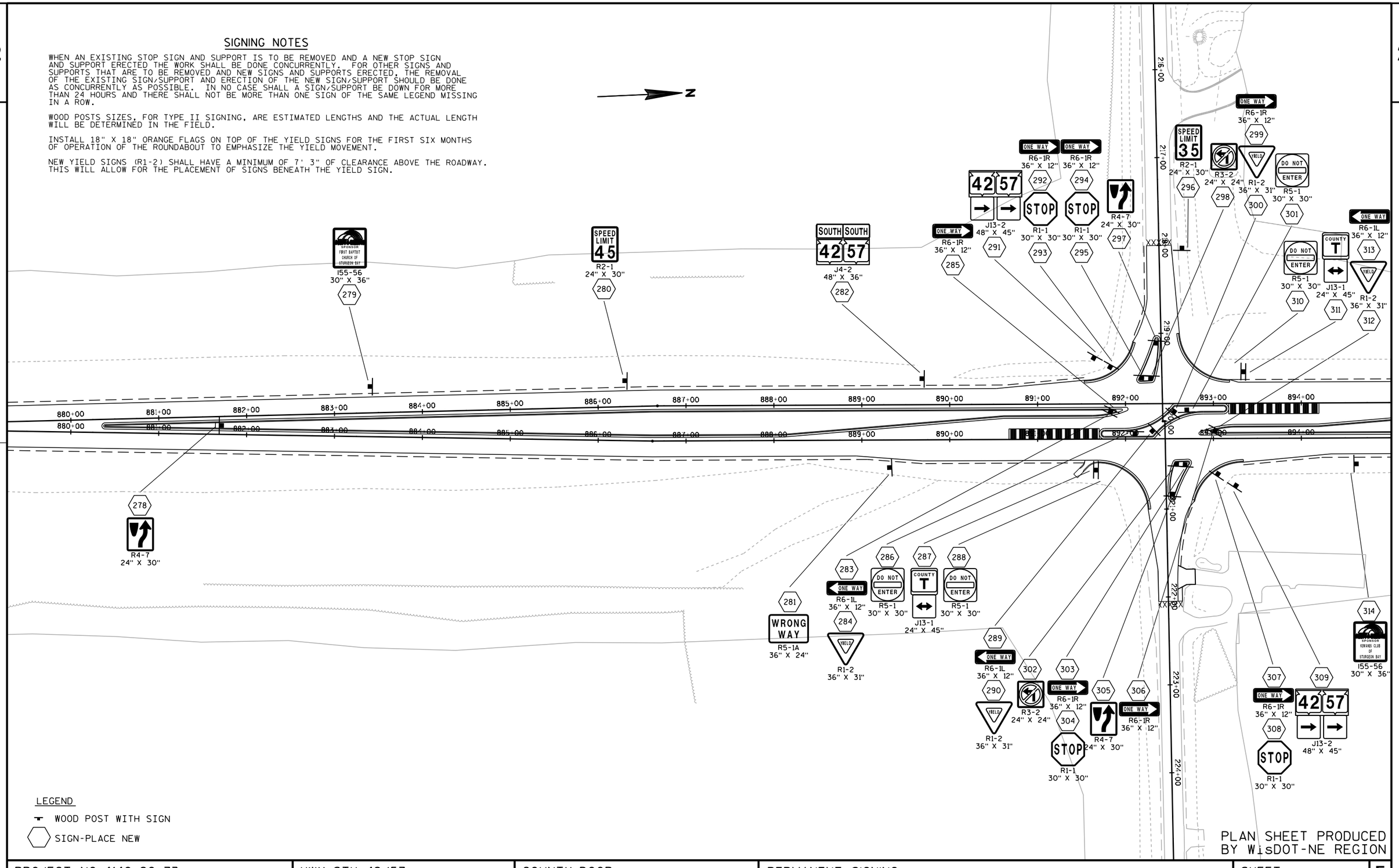

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 107 E

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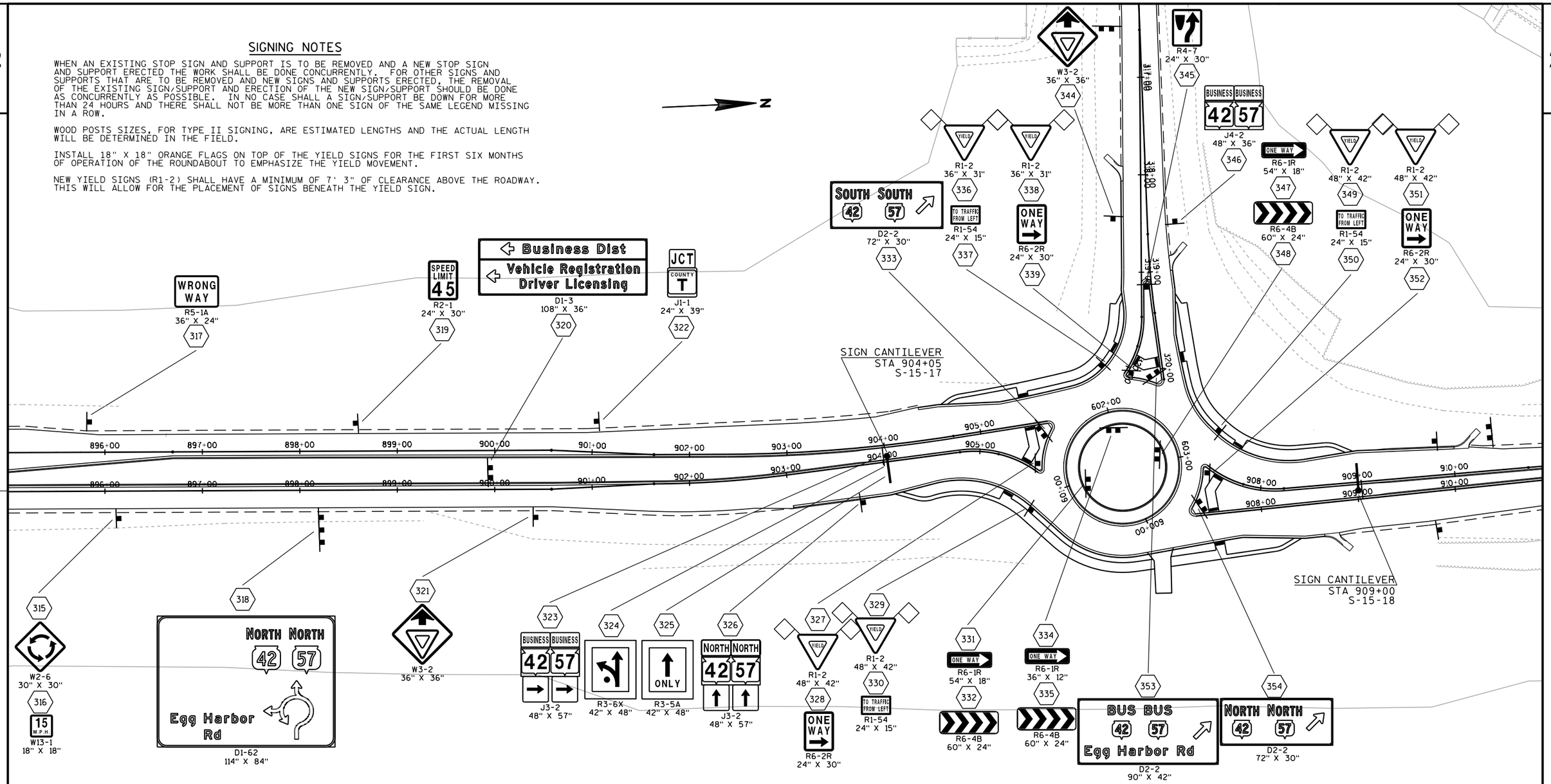

LEGEND

- WOOD POST WITH SIGN
- SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 108 E

2

JCT JCT END BUSINESS END BUSINESS
42 57 42 57
J1-4
96" X 48"
340

341
W2-6
30" X 30"
342
15 M.P.H.
W13-1
18" X 18"

343
NORTH NORTH SOUTH SOUTH
42 57 42 57
J3-4
96" X 57"

SEE PREVIOUS SHEET

316+00
317+00
318+00
319+00
320+00
602+00
603+00
600+00
601+00
904+00
905+00
905+00
908+00
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912+00
912+00
913+00
914+00
915+00
916+00

BUSINESS BUSINESS
42 57
J3-2
48" X 57"
355

R3-6R
42" X 48"
356

R3-5A
42" X 48"
357

SOUTH SOUTH
42 57
J3-2
48" X 57"
358

359
NORTH NORTH
42 57
J4-3
72" X 36"

SIGN CANTILEVER
STA 909+00
S-15-18

Business Dist
Sturgeon Bay
D1-2
90" X 30"
360

361
R4-7
24" X 30"

362
SPEED LIMIT 45
R2-1
24" X 30"

SOUTH SOUTH
42 57
BUS BUS
42 57
Egg Harbor Rd
D1-62
114" X 84"
364

W3-2
36" X 36"
363

W2-6
30" X 30"
365
15 M.P.H.
W13-1
18" X 18"
366

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

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PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 109 E

SIGNING NOTES

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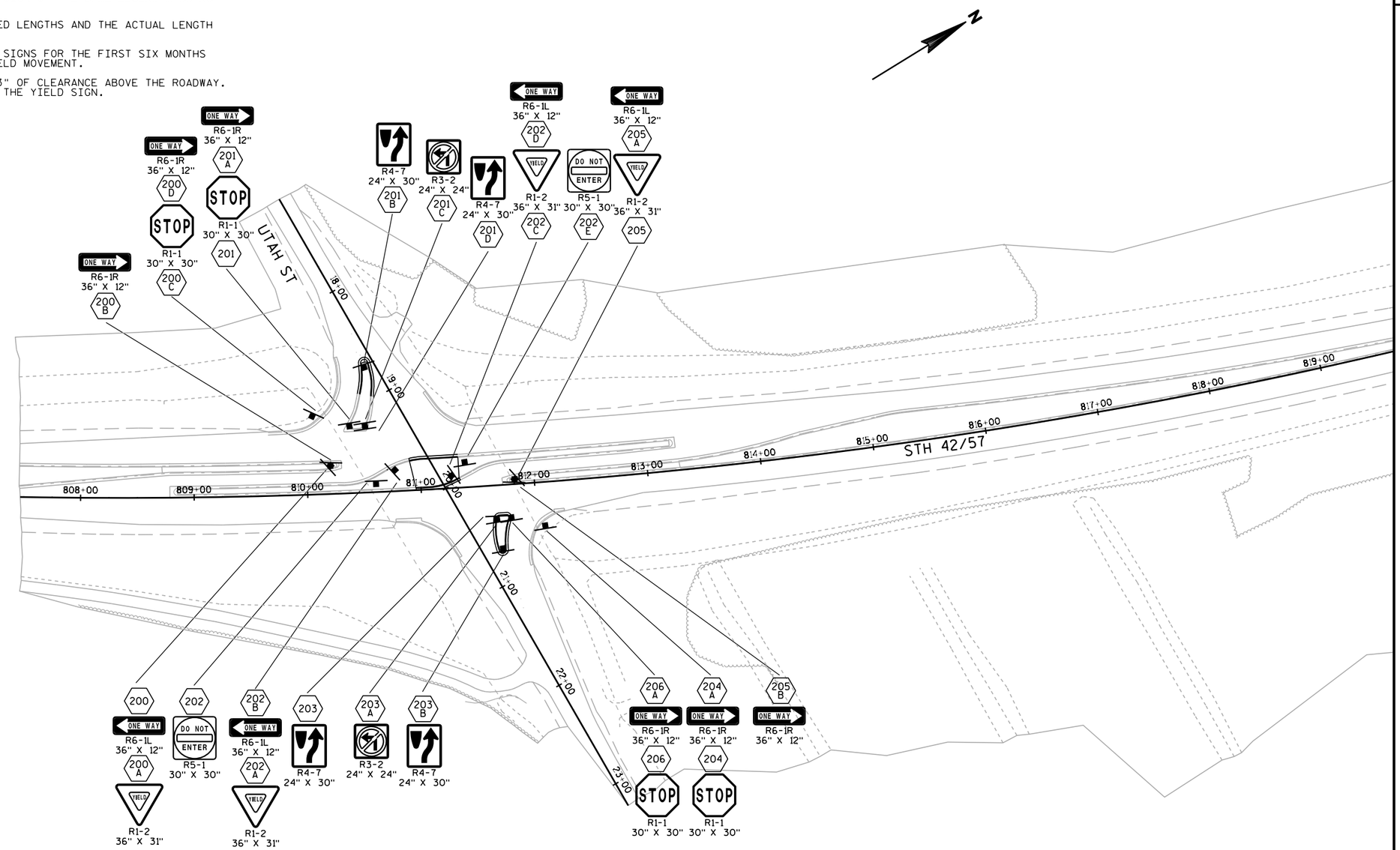


LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

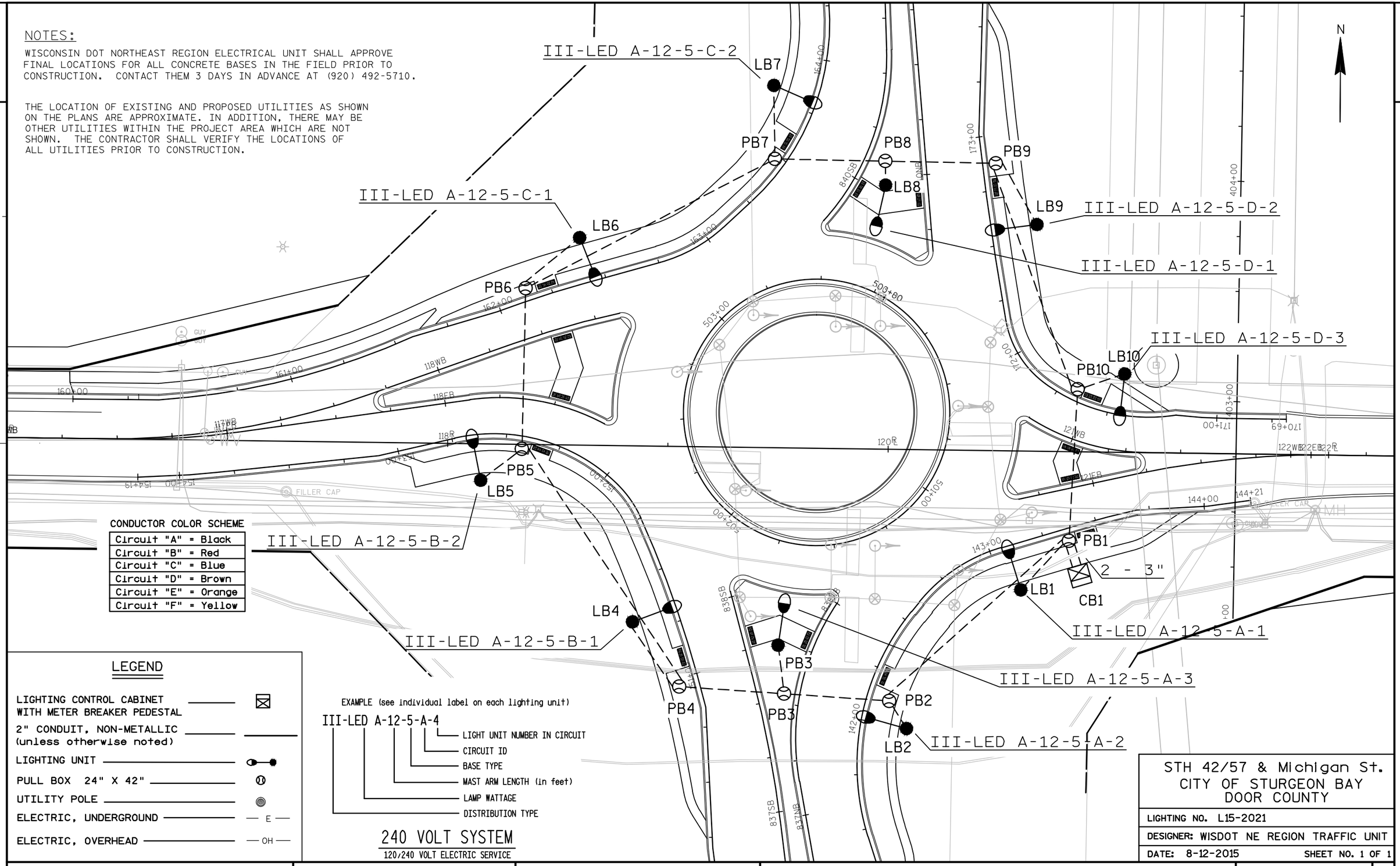
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 110 E

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- A-4: LIGHT UNIT NUMBER IN CIRCUIT
- A: CIRCUIT ID
- 5: BASE TYPE
- 12: MAST ARM LENGTH (in feet)
- LED: LAMP WATTAGE
- III: DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 42/57 & Michigan St.
CITY OF STURGEON BAY
DOOR COUNTY

LIGHTING NO. L15-2021

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

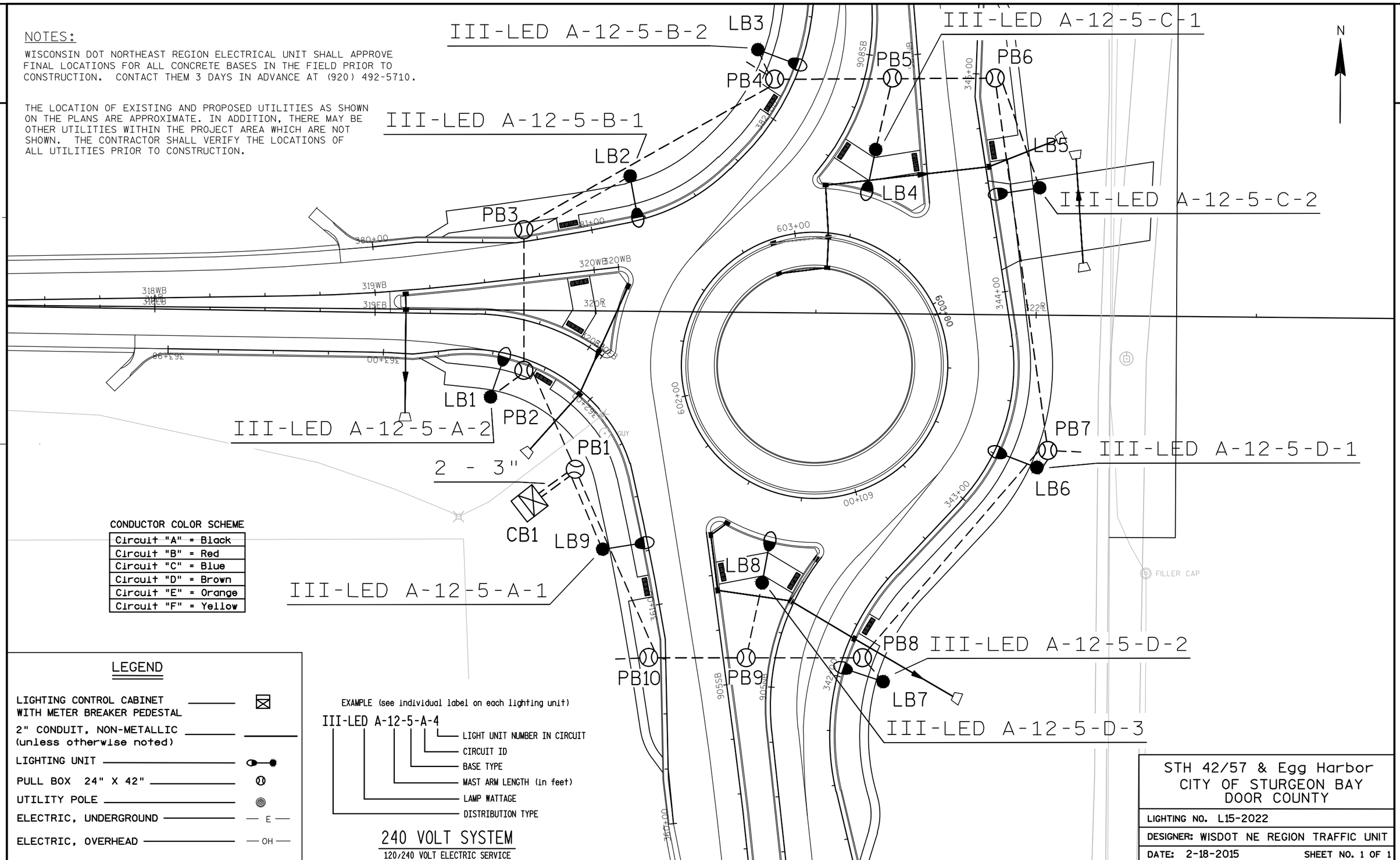
DATE: 8-12-2015 SHEET NO. 1 OF 1

PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 111 E

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 42/57 & Egg Harbor
CITY OF STURGEON BAY
DOOR COUNTY

LIGHTING NO. L15-2022

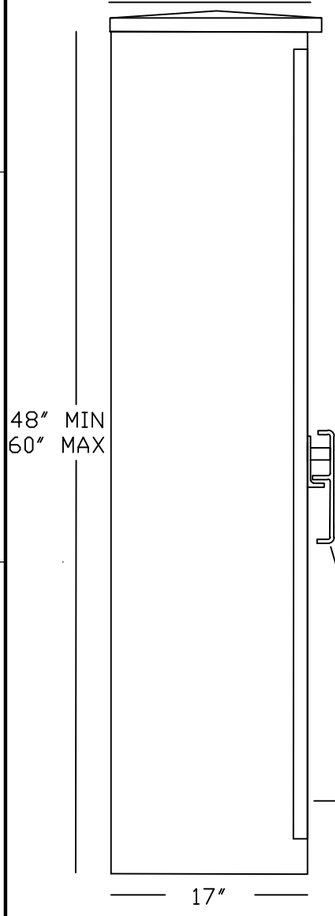
DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2-18-2015 SHEET NO. 1 OF 1

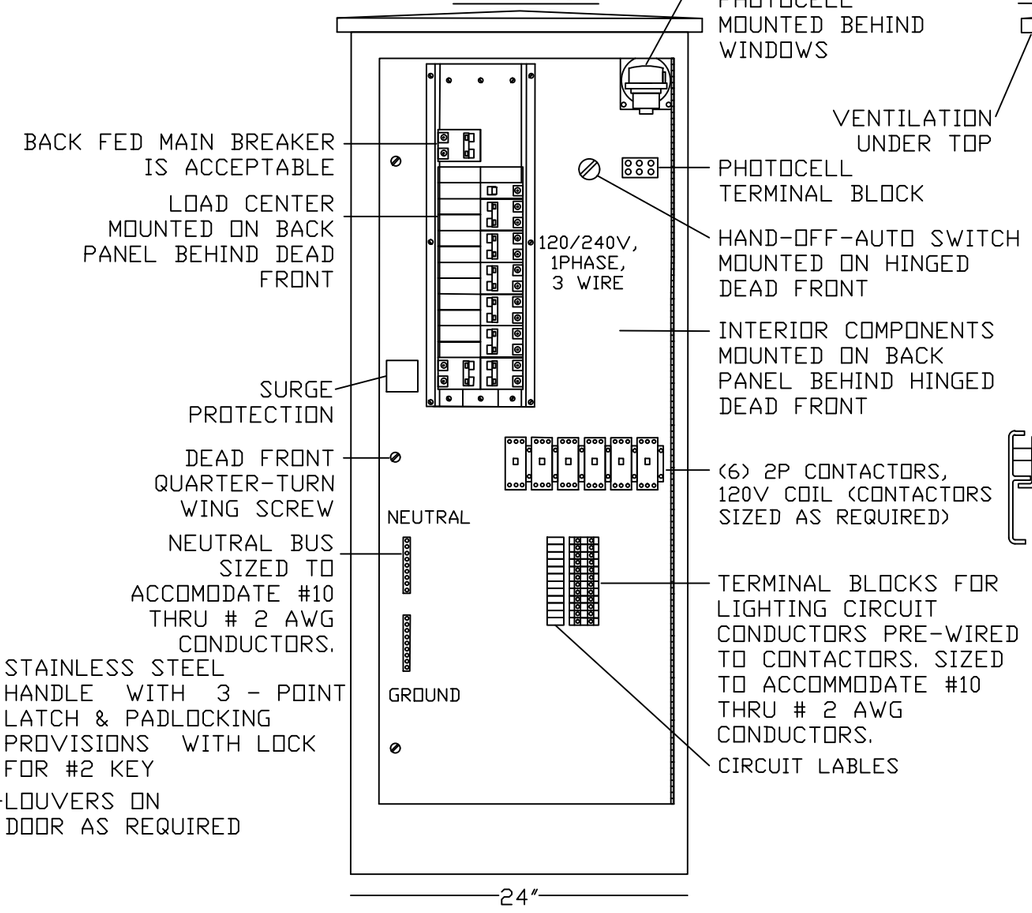
PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 112 E

Not to scale

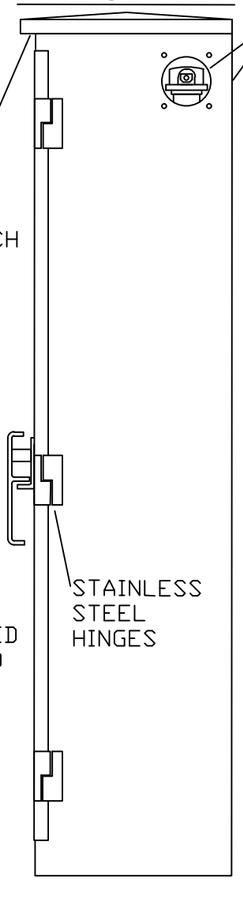
LEFT SIDE VIEW

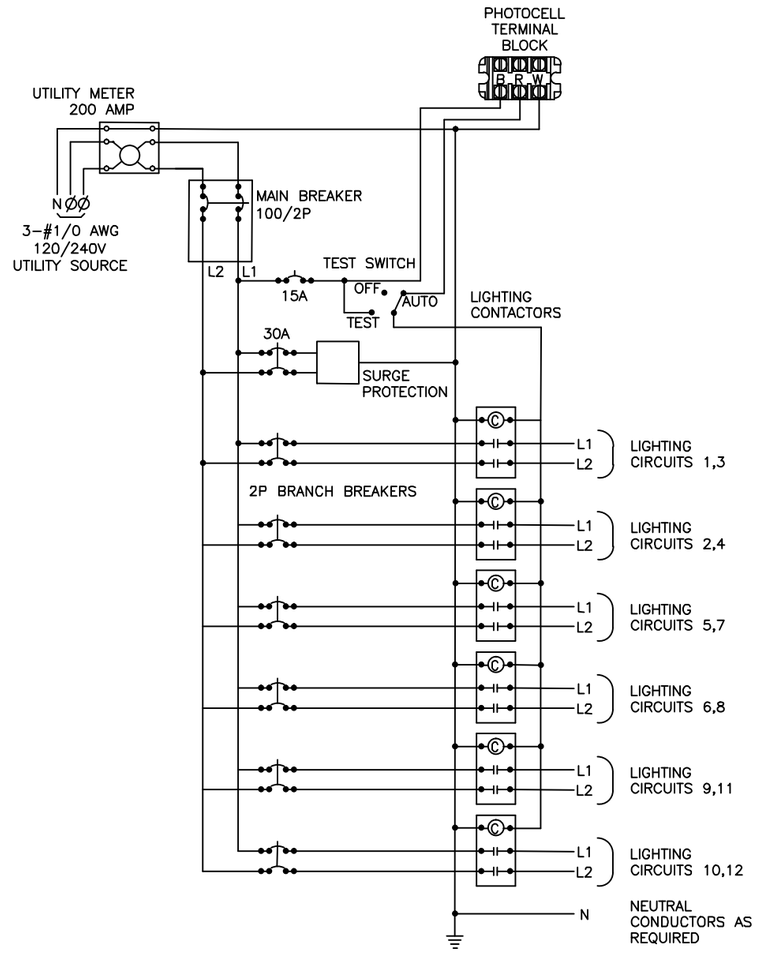


FRONT INTERIOR ELEVATION



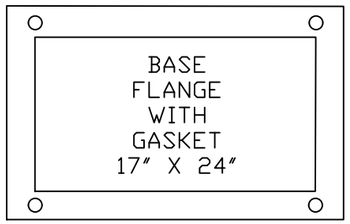
RIGHT SIDE VIEW





BOX CONSTRUCTION:

- NEMA3R
- UL LISTED
- 1⅛" ALUMINUM 5052-H32 ANODIZED CLEAR
- BENT CONSTRUCTION - ONE PIECE SIDES AND BACK
- NEOPRENE GASKETED DOORS
- STAINLESS STEEL HARDWARE
- ETL LISTED IN ACCORDANCE W/ UL508A



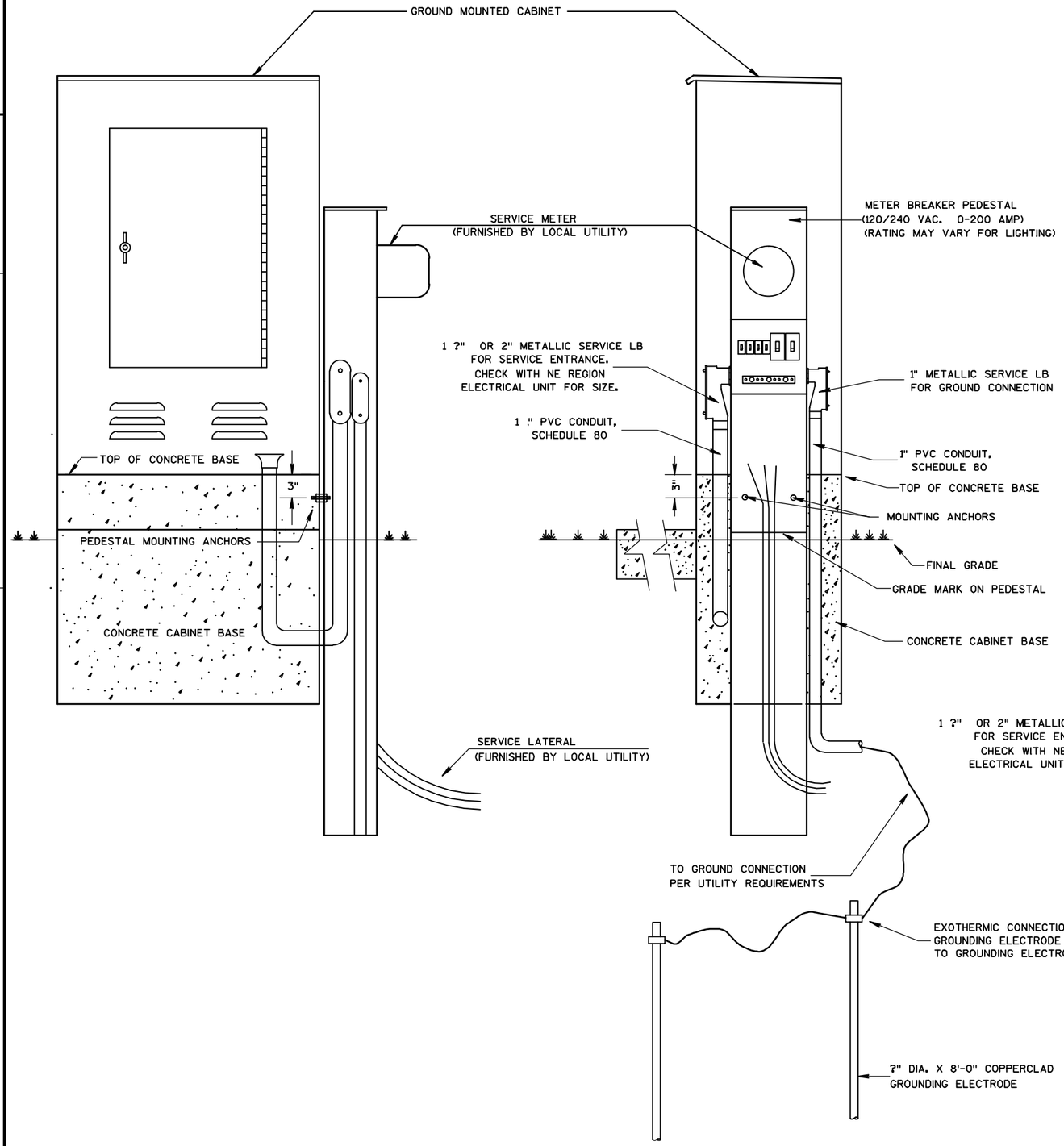
LOAD CENTER:

- 30 CIRCUIT MIN.
- 100AMP MAIN CIRCUIT BREAKER
- COPPER BUS
- 22K AIC
- (1) 15A/1P CONTROL BREAKER
- (1) 30A/2P BREAKER FOR SURGE PROTECTION DEVICE
- (□) 2P BRANCH BREAKERS (BREAKERS SIZED AS REQUIRED)

CONTROL CABINET SCHEMATIC

120/240 VOLT LIGHTING CONTROL CABINET WISDOT 120/240

PROJECT NO: 4140-20-73	HWY: 42/57	COUNTY: DOOR	CONSTRUCTION DETAIL- NER LIGHTING CABINET INSTALLATION	SHEET 113	E



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

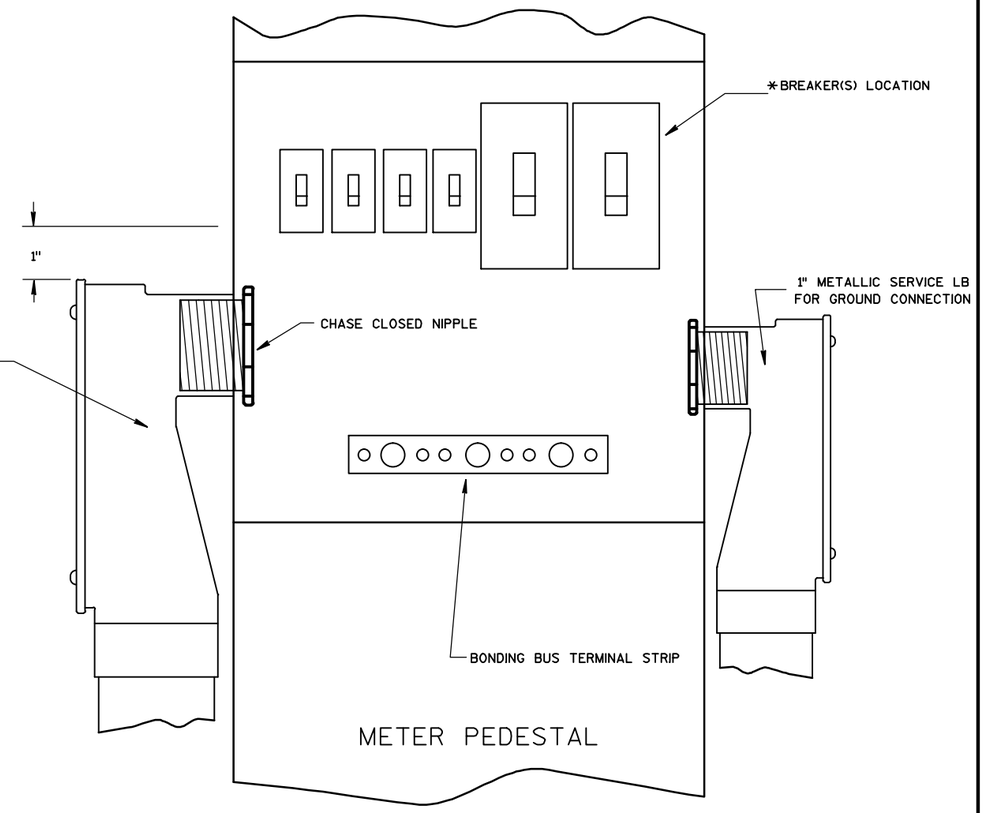
WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER NEC.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



2

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)
5. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
6. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
8. PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
9. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
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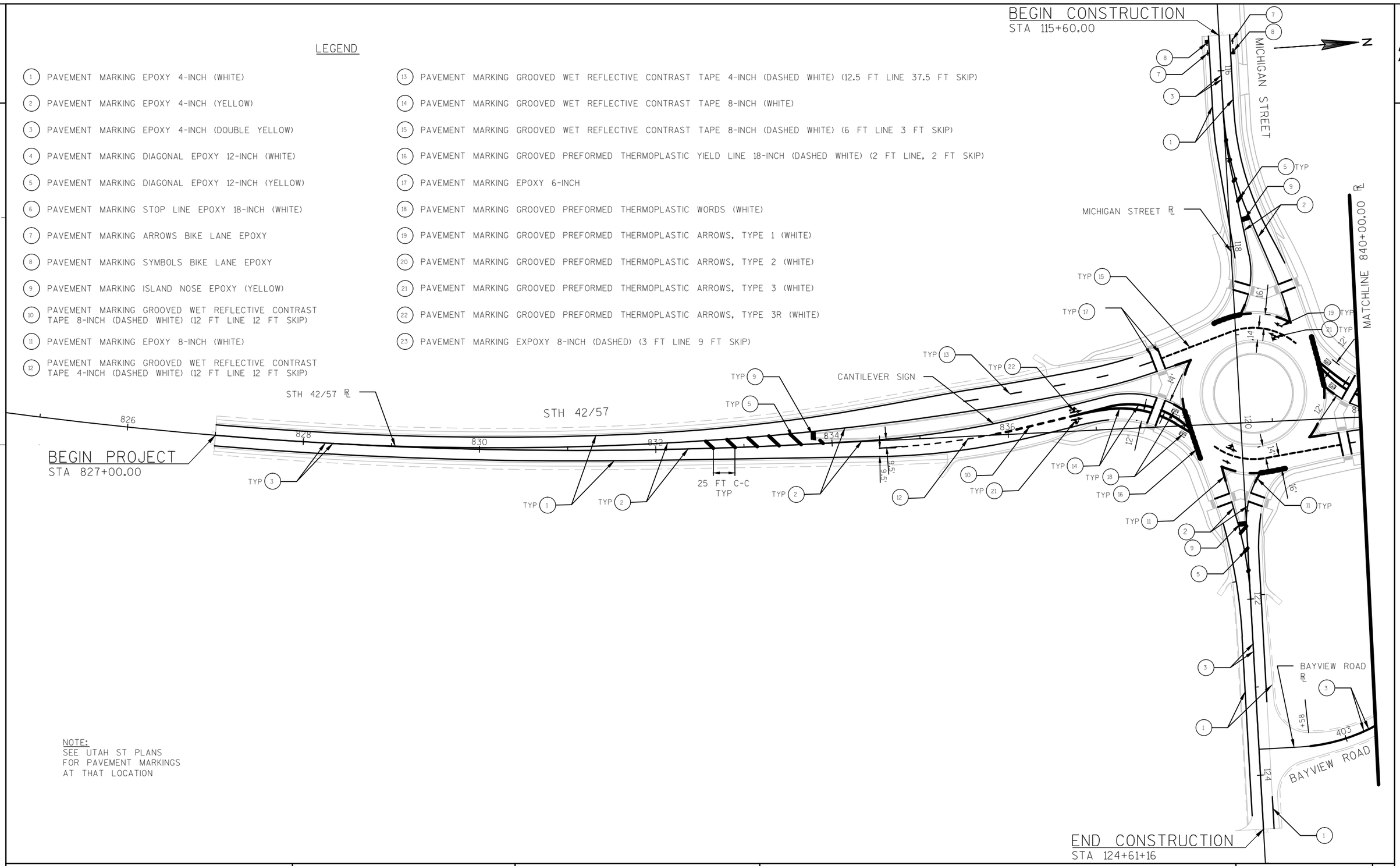
23. PAVEMENT MARKING EXPOXY 8-INCH (DASHED) (3 FT LINE 9 FT SKIP)



NOTE:
SEE UTAH ST PLANS
FOR PAVEMENT MARKINGS
AT THAT LOCATION

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 115	E

2

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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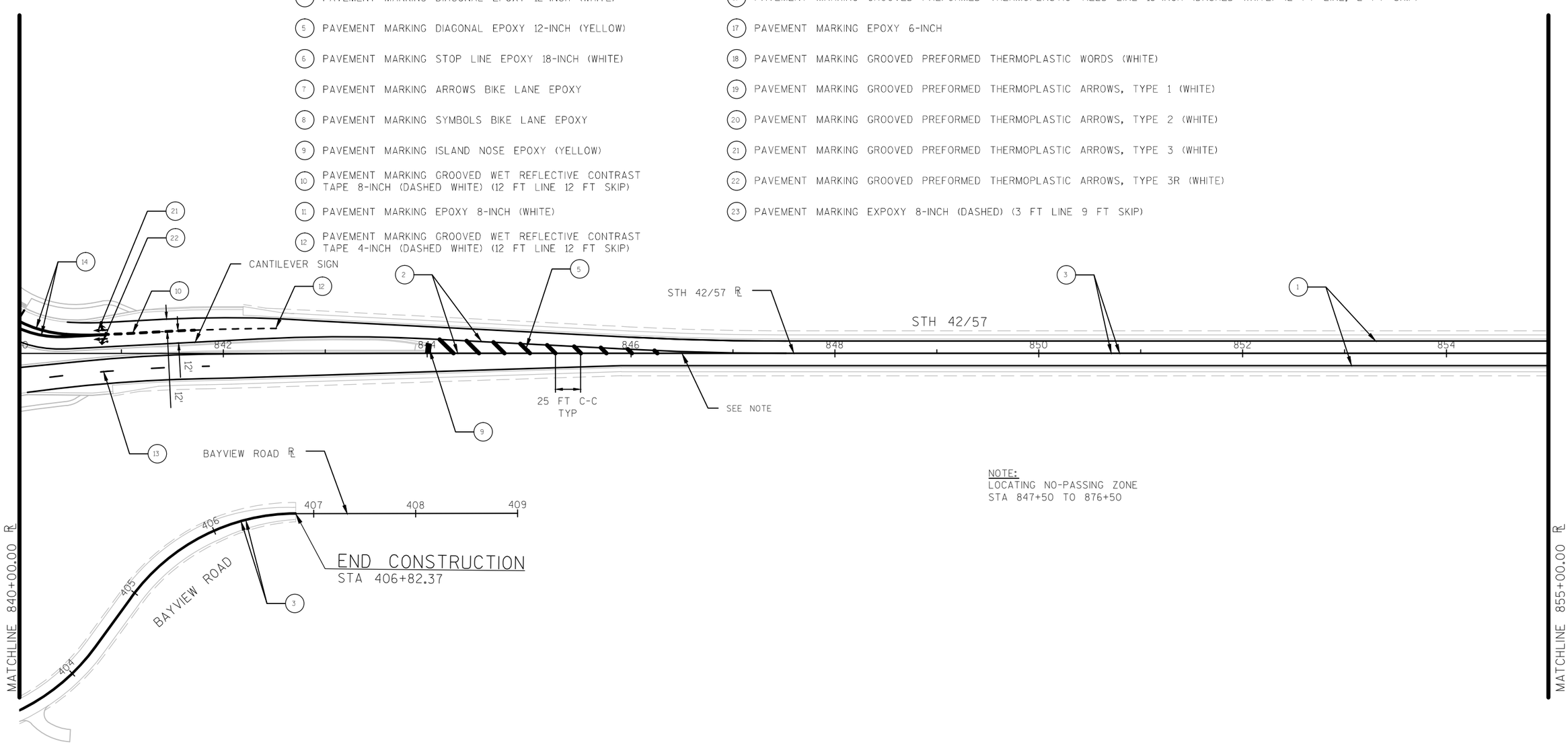
N



NOTE:
LOCATING NO-PASSING ZONE
STA 847+50 TO 876+50

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 116	E

2

LEGEND

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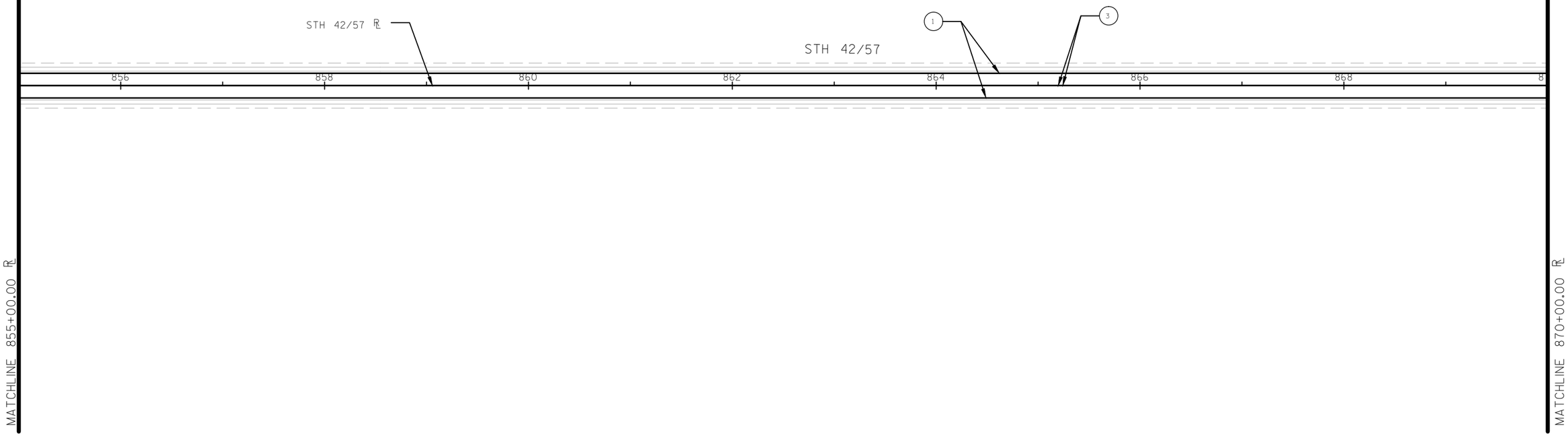

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 117	E

LEGEND

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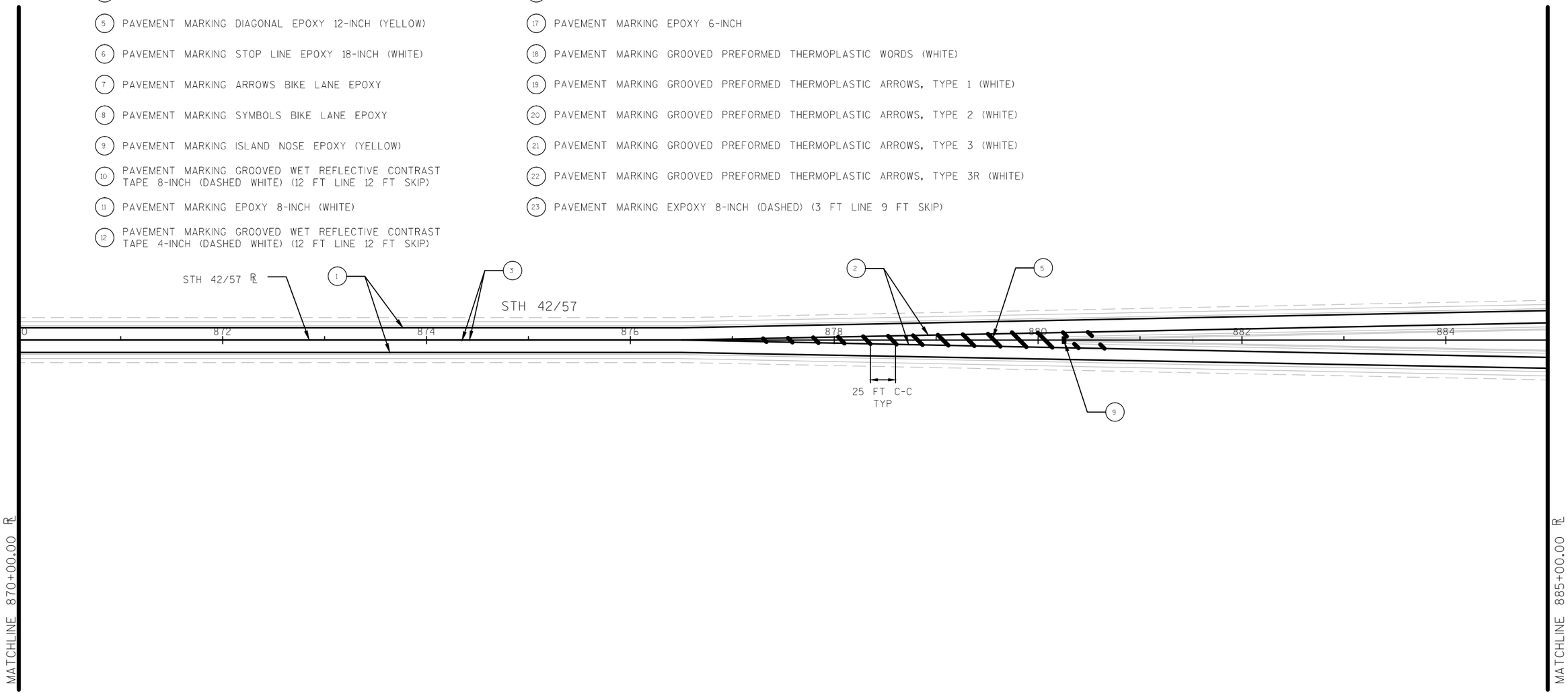

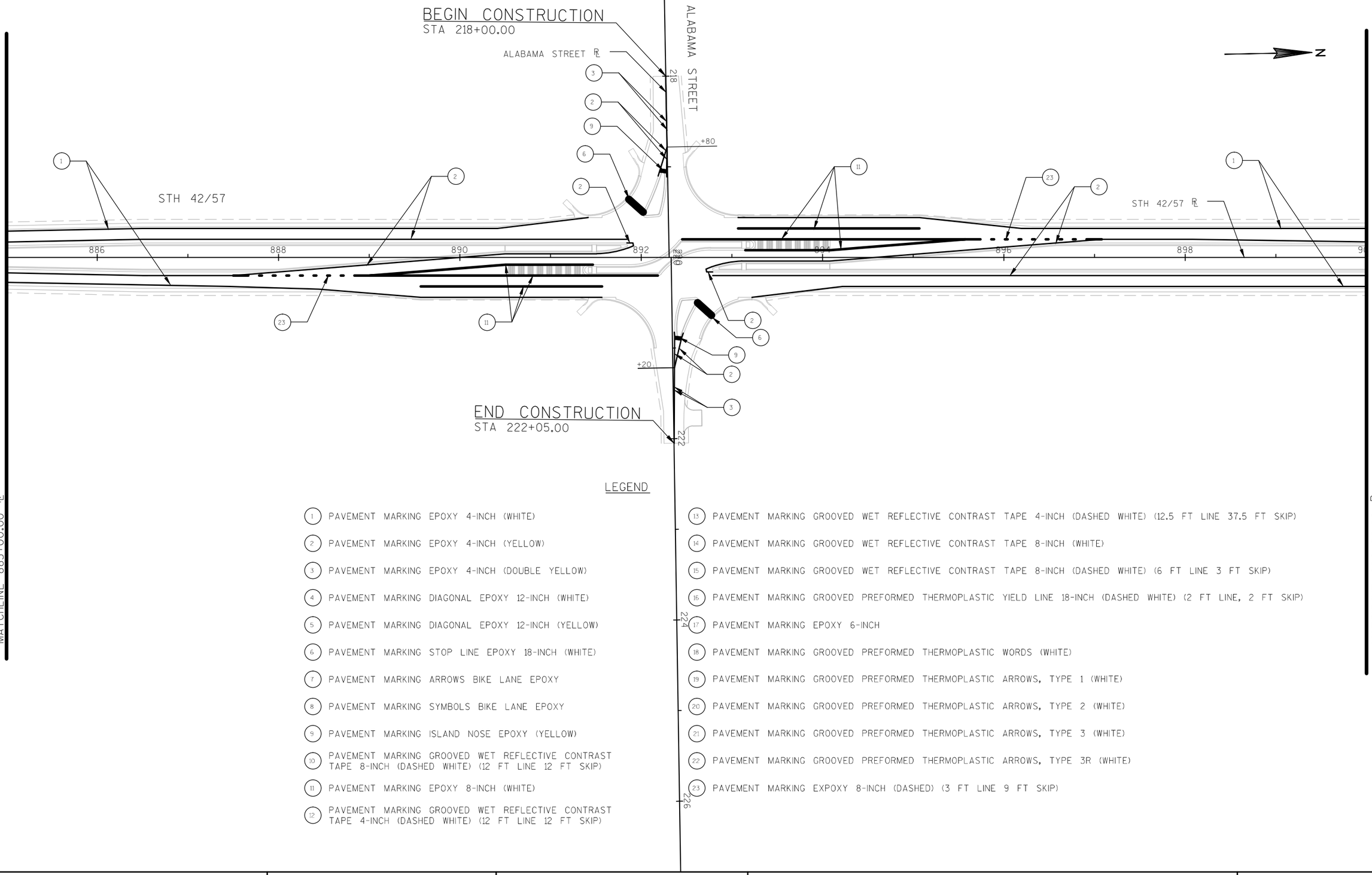

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2

LEGEND

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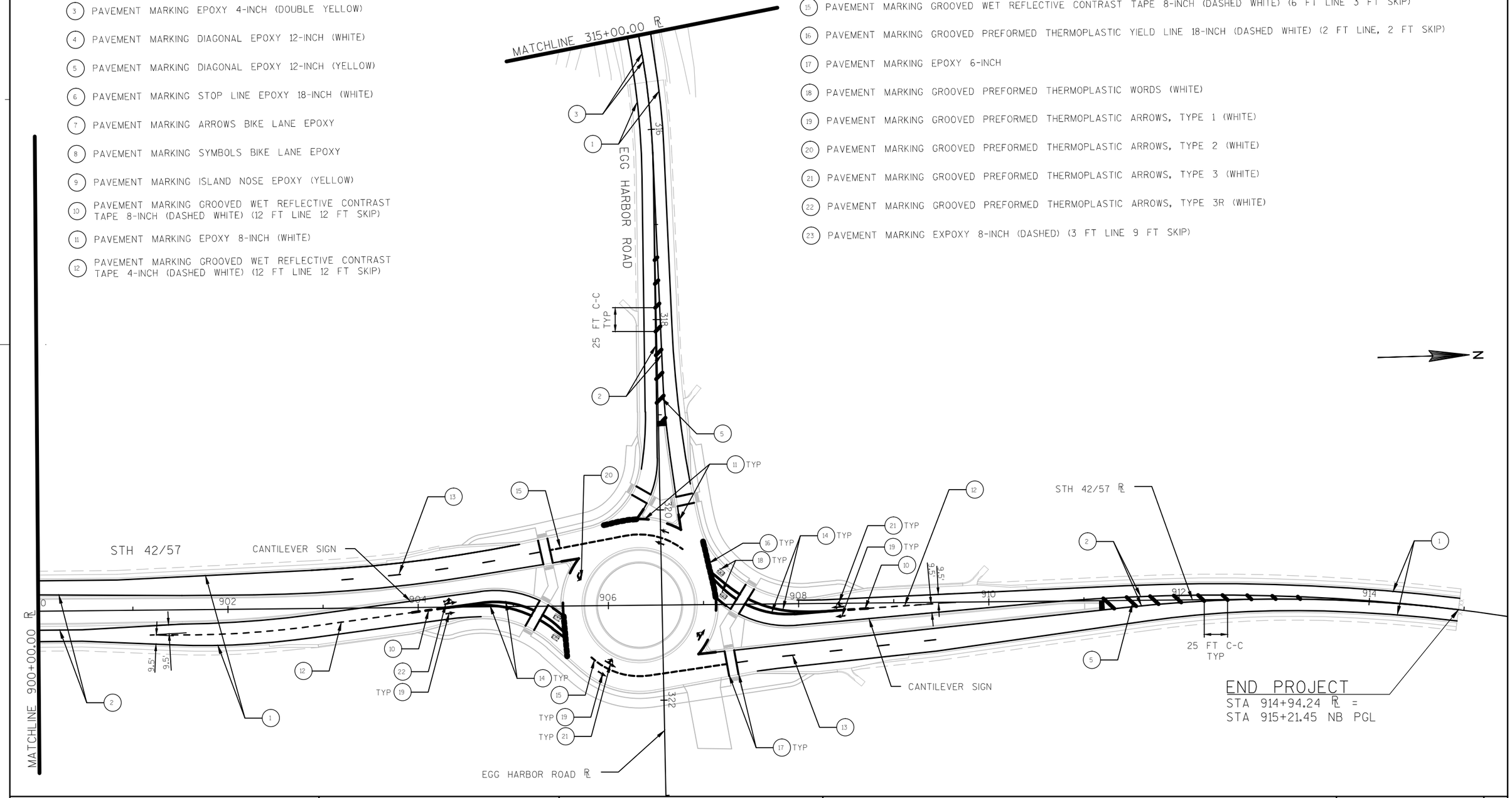
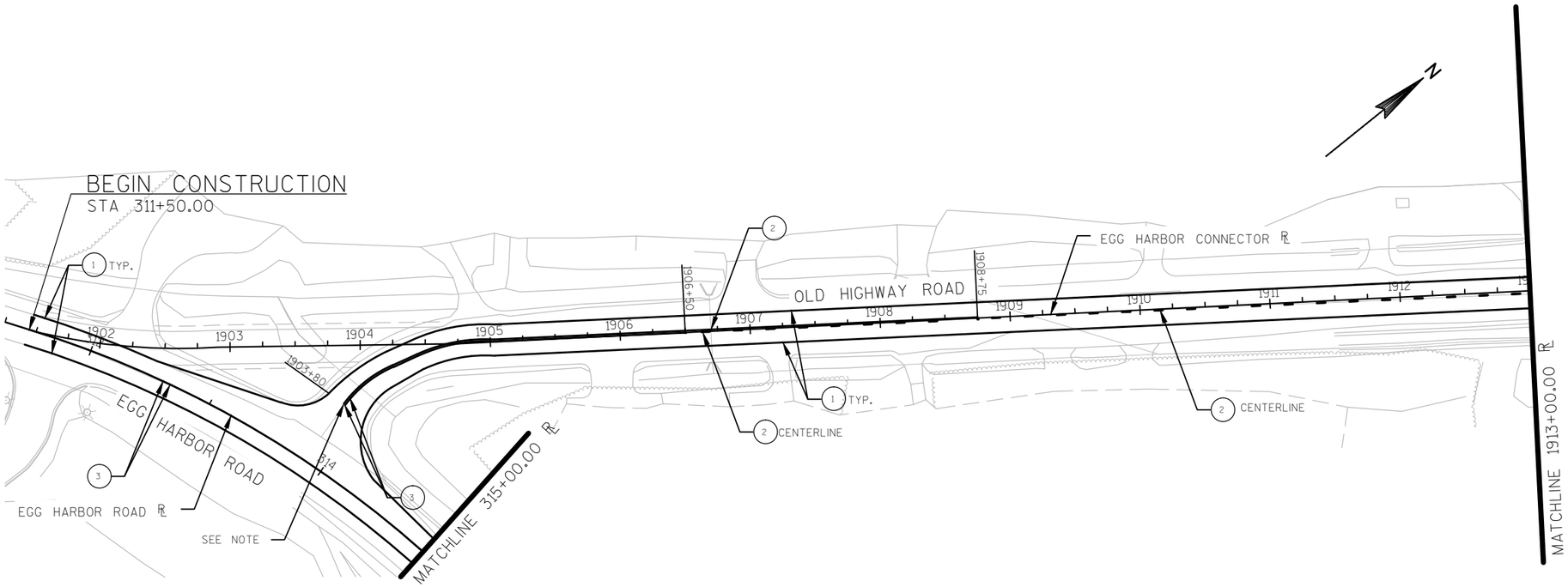
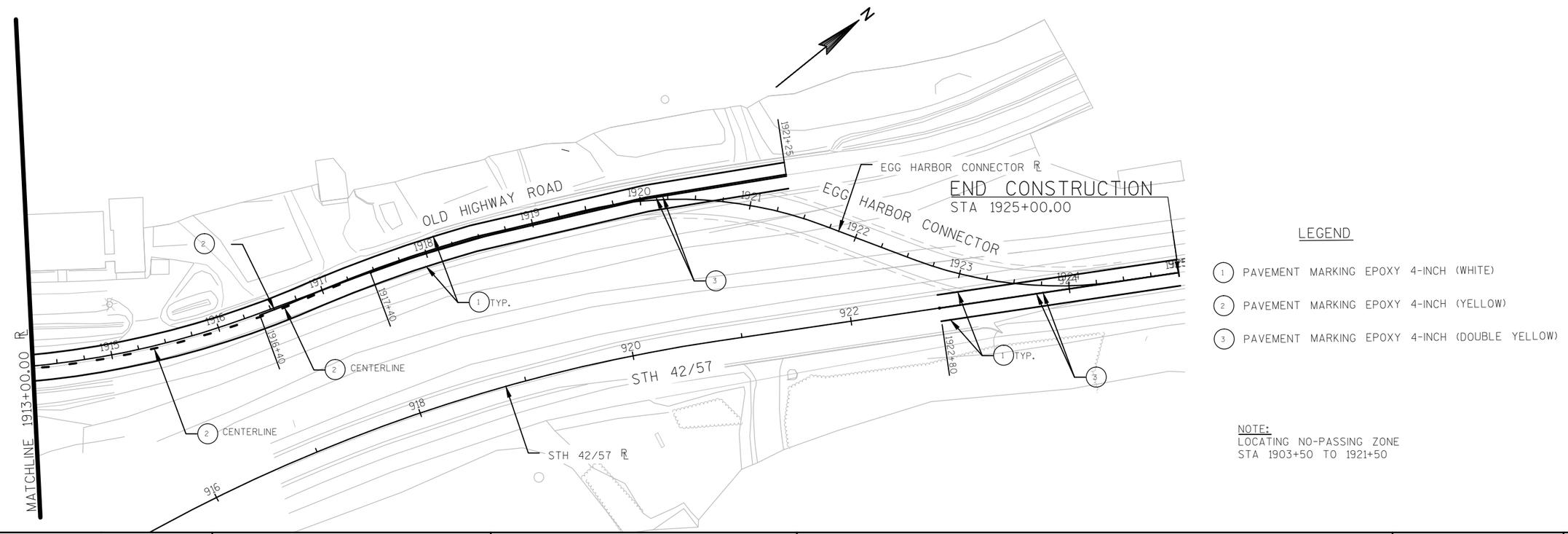


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 120	E

2





PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 121	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\024501_PM.DWG PLOT DATE : 12/10/2015 10:55 AM PLOT BY : JASEN GROVES PLOT NAME : 024507_PM PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
2. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS 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. FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.
6. ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED. EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
7. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSUREDRUMS FOR A MINIMUM OF 500' IN FRONT OF DRUMS.
8. ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE CURB WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.
9. MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.
10. USE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE FOR ALL TEMPORARY PAVEMENT MARKING PLACED ON FINISHED CONCRETE PAVEMENT SURFACE LAYERS.

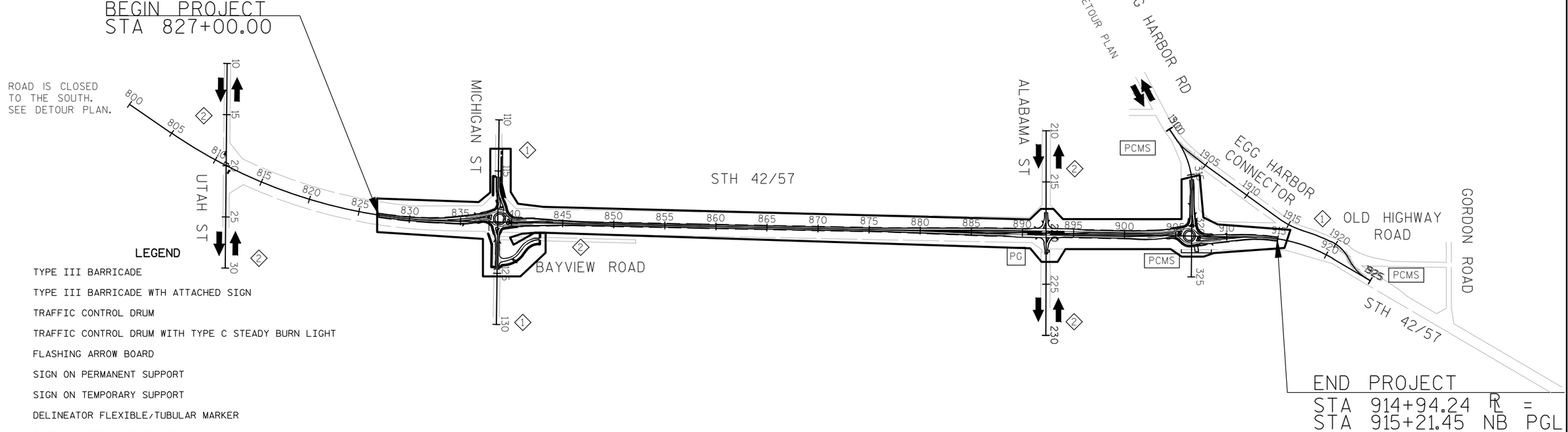
FOR PLACEMENT OF TRAFFIC CONTROL DEVICES ALONG SIDEROADS SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

LEGEND DETAIL REFERENCE

◇1 DETAIL 1 - NO ACCESS TO PROJECT

◇2 DETAIL 2 - PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- Ⓐ TYPE A WARNING LIGHT (FLASHING)
- Ⓑ TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- Ⓒ TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

LEGEND

- WORK ZONE
- PG CONCRETE PAVEMENT GAP
- DIRECTION OF TRAFFIC

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - OVERVIEW	SHEET 122	E

LEGEND

- W — TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE OR DOUBLE YELLOW CENTERLINE)
- W — TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE OR DOUBLE YELLOW CENTERLINE)
- TEMPORARY RAISED PAVEMENT MARKERS (TWO-WAY YELLOW)
- TEMPORARY DELINEATOR (WHITE) (SINGLE DELINEATOR)
- DIRECTION OF TRAFFIC

EGG HARBOR ROAD

REMOVE BARRICADES PERMANENT TYPE III. COST INCLUDED IN ITEM "TRAFFIC CONTROL (PROJECT)"

REMOVE BARRICADES PERMANENT TYPE III. COST INCLUDED IN ITEM "TRAFFIC CONTROL (PROJECT)"

REMOVE PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS

REMOVE PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS

EGG HARBOR CONNECTOR ℄

OLD HIGHWAY ROAD

1900+00 1901+00 1902+00 1903+00 1904+00 1905+00 1906+00 1907+00 1908+00 1909+00 1910+00 1911

MATCHLINE 1911+00.00

EGG HARBOR ROAD

NOTES

1. SEE SDD "TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY" FOR ADVANCE SIGNING LAYOUT.
2. ADVISORY SPEED IS 35 MPH.
3. SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR TEMPORARY PAVEMENT MARKINGS APPLICATION
4. SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".

REMOVE ACCESS TO OLD HIGHWAY ROAD

REMOVE BARRICADES PERMANENT TYPE III. COST INCLUDED IN ITEM "TRAFFIC CONTROL (PROJECT)"

REMOVE PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS

REMOVE BARRICADES PERMANENT TYPE III. COST INCLUDED IN ITEM "TRAFFIC CONTROL (PROJECT)"

GORDON ROAD

OLD HIGHWAY ROAD

EGG HARBOR CONNECTOR

EGG HARBOR CONNECTOR ℄

1911+00 1912+00 1913+00 1914+00 1915+00 1916+00 1917+00 1918+00 1919+00 1920+00 1921+00 1922+00 1923+00 1924+00 1925+00

OLD HIGHWAY ROAD

MATCHLINE 1911+00.00

REMOVE PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS

STH 42/57

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - EGG HARBOR CONNECTOR - STAGE 1	SHEET 123	E

LEGEND

- W — TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE OR DOUBLE YELLOW CENTERLINE) (INSTALLED IN STAGE 1)
- W — TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE OR DOUBLE YELLOW CENTERLINE) (INSTALLED IN STAGE 1)
- TEMPORARY RAISED PAVEMENT MARKERS (TWO-WAY YELLOW)
- TEMPORARY DELINEATOR (WHITE) (SINGLE DELINEATOR)
- DIRECTION OF TRAFFIC

EGG HARBOR ROAD

1900+00 1901+00 1902+00 1903+00 1904+00 1905+00 1906+00 1907+00 1908+00 1909+00 1910+00 1911

W W W DY DY W

COVERING SIGNS TYPE II

EGG HARBOR CONNECTOR R

OLD HIGHWAY ROAD

COVERING SIGNS TYPE II

MATCHLINE 1911+00.00

NOTES

1. SEE SDD "TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY" FOR ADVANCE SIGNING LAYOUT.
2. ADVISORY SPEED IS 35 MPH.
3. SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR TEMPORARY PAVEMENT MARKINGS APPLICATION
4. SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".
5. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" - DETAIL 1 NO ACCESS TO PROJECT.

MATCHLINE 1911+00.00

REMOVE ACCESS TO OLD HIGHWAY ROAD

GORDON ROAD

OLD HIGHWAY ROAD

1912+00 1913+00 1914+00 1915+00 1916+00 1917+00 1918+00 1919+00 1920+00 1921+00 1922+00 1923+00 1924+00 1925+00

W W DY W W DY

EGG HARBOR CONNECTOR

EGG HARBOR CONNECTOR R

OLD HIGHWAY ROAD

STH 42/57

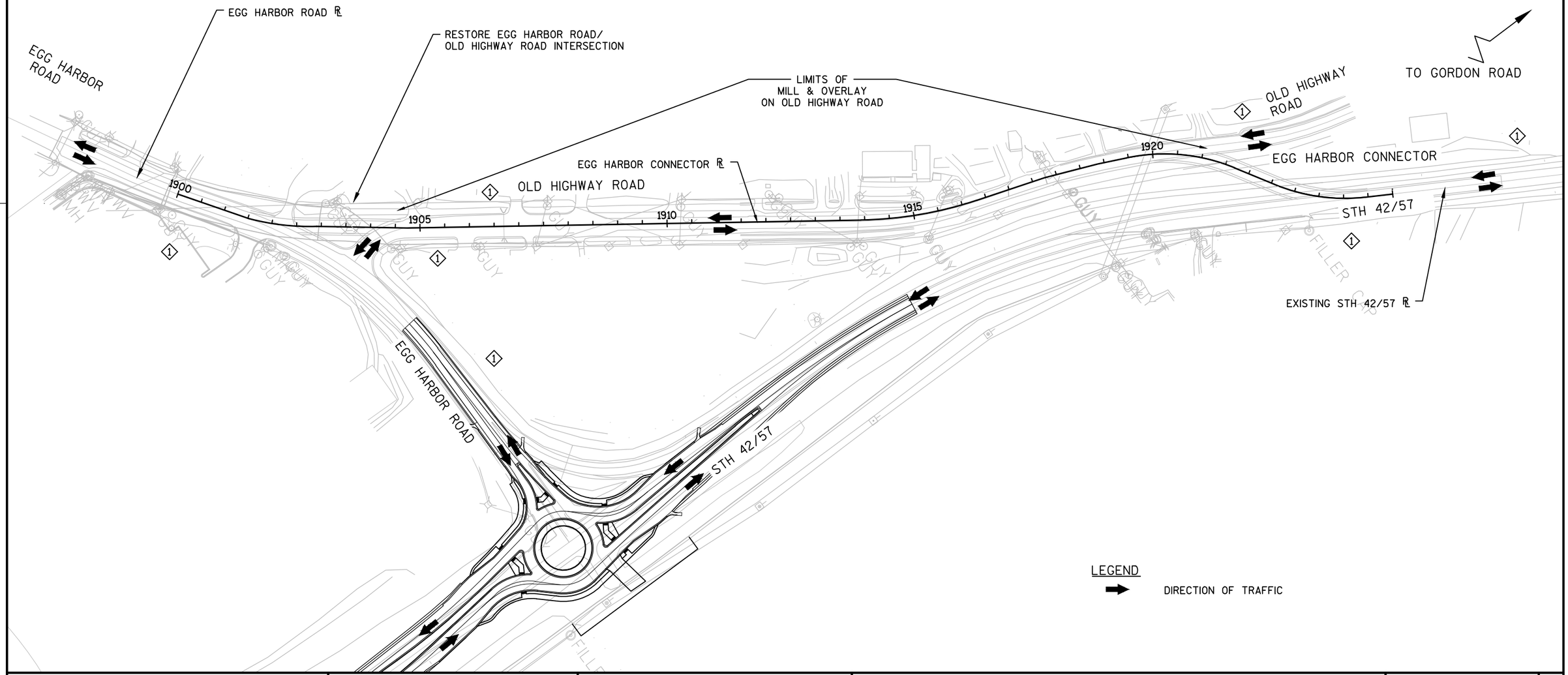
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - EGG HARBOR CONNECTOR - STAGE 2	SHEET 124	E

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
2. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS 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. FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.
6. ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED. EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
7. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSUREDRUMS FOR A MINIMUM OF 500' IN FRONT OF DRUMS.
8. ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE CURB WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.
9. MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.
10. USE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE FOR ALL TEMPORARY PAVEMENT MARKING PLACED ON FINISHED CONCRETE PAVEMENT SURFACE LAYERS.

NOTES

(1) FOR PLACEMENT OF TRAFFIC CONTROL DEVICES, SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" AND "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"



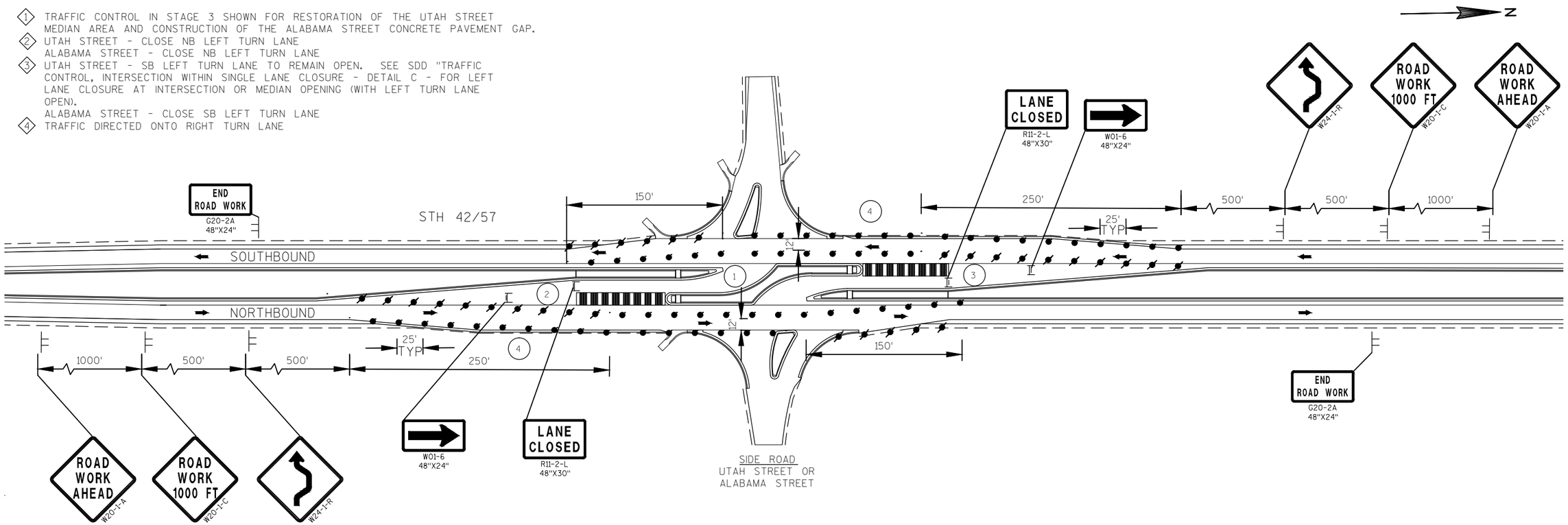
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - EGG HARBOR CONNECTOR - STAGE 3	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\025004_TC.DWG PLOT DATE : 12/11/2015 9:39 AM PLOT BY : JASEN GROVES PLOT NAME : 025004_TC PLOT SCALE : 1" = 200'_XREF

WISDOT/CADDS SHEET 42

NOTES

1. TRAFFIC CONTROL IN STAGE 3 SHOWN FOR RESTORATION OF THE UTAH STREET MEDIAN AREA AND CONSTRUCTION OF THE ALABAMA STREET CONCRETE PAVEMENT GAP.
2. UTAH STREET - CLOSE NB LEFT TURN LANE
   ALABAMA STREET - CLOSE NB LEFT TURN LANE
3. UTAH STREET - SB LEFT TURN LANE TO REMAIN OPEN. SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE - DETAIL C - FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN LANE OPEN).
   ALABAMA STREET - CLOSE SB LEFT TURN LANE
4. TRAFFIC DIRECTED ONTO RIGHT TURN LANE



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- (A) TYPE A WARNING LIGHT (FLASHING)
- (B) TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - UTAH ST & ALABAMA ST - STAGE 3	SHEET 126	E

2

NOTES:

1. STATE HIGHWAY 42/57 (GREEN BAY RD.) OVER STURGEON BAY SHIP CANAL WILL BE CLOSED DURING BRIDGE MAINTENANCE WORK. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE DETOURED THROUGH STURGEON BAY DOWNTOWN AS DESCRIBED BELOW.

2. NORTHBOUND NON-TRUCK TRAFFIC WILL BE DETOURED VIA S. MADISON AVE./MICHIGAN ST./N. 3RD AVE./ JEFFERSON ST./EGG HARBOR RD./OLD HWY RD. (EGG HARBOR CONNECTOR) TO STH 42/57.

3. NORTHBOUND TRUCK TRAFFIC WILL BE DETOURED VIA S. MADISON AVE./MICHIGAN ST./N. 14TH AVE./ EGG HARBOR RD./OLD HWY RD. (EGG HARBOR CONNECTOR) TO STH 42/57.

4. SOUTHBOUND NON-TRUCK TRAFFIC WILL BE DETOURED VIA OLD HWY RD. (EGG HARBOR CONNECTOR)/EGG HARBOR RD./ JEFFERSON ST./N. 3RD AVE./MICHIGAN ST./S. MADISON AVE. TO STH 42/57.

5. SOUTHBOUND TRUCK TRAFFIC WILL BE DETOURED VIA OLD HWY RD. (EGG HARBOR CONNECTOR)/EGG HARBOR RD./ N. 14TH AVE./MICHIGAN ST./S. MADISON AVE. TO STH 42/57.

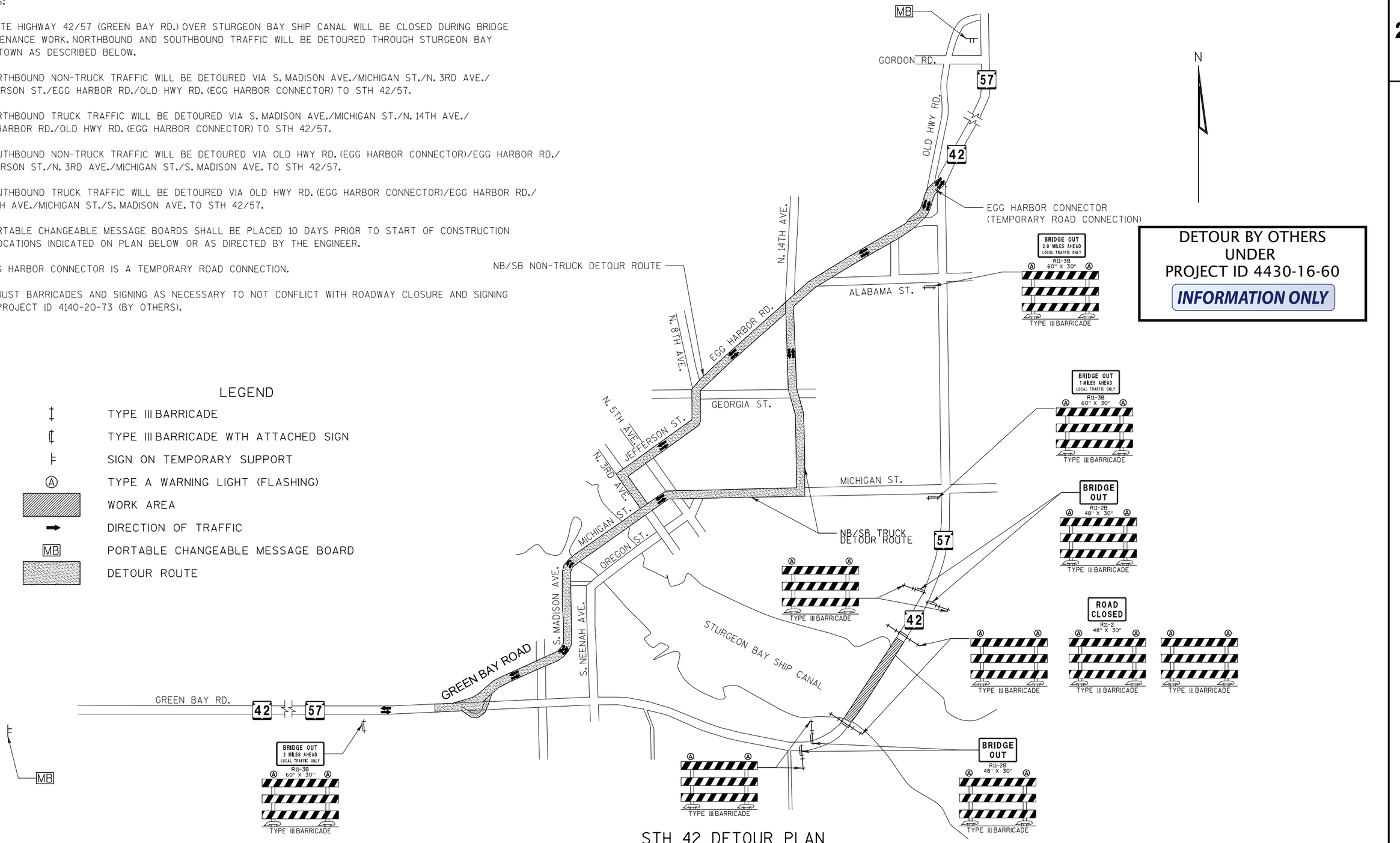
6. PORTABLE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 10 DAYS PRIOR TO START OF CONSTRUCTION AT LOCATIONS INDICATED ON PLAN BELOW OR AS DIRECTED BY THE ENGINEER.

7. EGG HARBOR CONNECTOR IS A TEMPORARY ROAD CONNECTION.

8. ADJUST BARRICADES AND SIGNING AS NECESSARY TO NOT CONFLICT WITH ROADWAY CLOSURE AND SIGNING FOR PROJECT ID 4140-20-73 (BY OTHERS).

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- DETOUR ROUTE

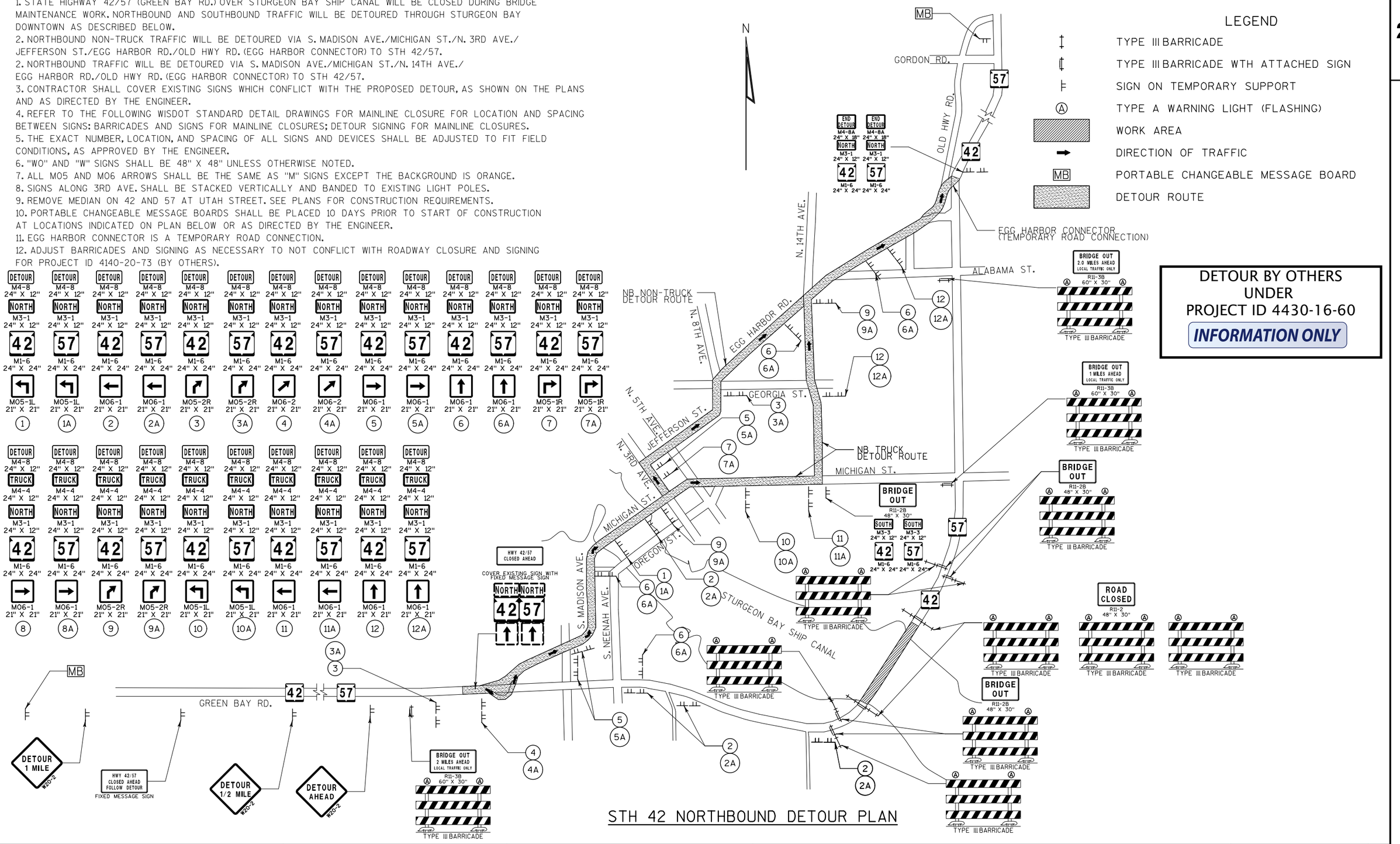


STH 42 DETOUR PLAN

PROJECT NO: 4430-16-60	HWY: STH 42	COUNTY: DOOR	DETOUR PLAN OVERVIEW	SHEET 127 E

NOTES:

1. STATE HIGHWAY 42/57 (GREEN BAY RD.) OVER STURGEON BAY SHIP CANAL WILL BE CLOSED DURING BRIDGE MAINTENANCE WORK. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE DETOURED THROUGH STURGEON BAY DOWNTOWN AS DESCRIBED BELOW.
2. NORTHBOUND NON-TRUCK TRAFFIC WILL BE DETOURED VIA S. MADISON AVE./MICHIGAN ST./N. 3RD AVE./ JEFFERSON ST./EGG HARBOR RD./OLD HWY RD. (EGG HARBOR CONNECTOR) TO STH 42/57.
2. NORTHBOUND TRAFFIC WILL BE DETOURED VIA S. MADISON AVE./MICHIGAN ST./N. 14TH AVE./ EGG HARBOR RD./OLD HWY RD. (EGG HARBOR CONNECTOR) TO STH 42/57.
3. CONTRACTOR SHALL COVER EXISTING SIGNS WHICH CONFLICT WITH THE PROPOSED DETOUR, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
4. REFER TO THE FOLLOWING WISDOT STANDARD DETAIL DRAWINGS FOR MAINLINE CLOSURE FOR LOCATION AND SPACING BETWEEN SIGNS: BARRICADES AND SIGNS FOR MAINLINE CLOSURES; DETOUR SIGNING FOR MAINLINE CLOSURES.
5. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS, AS APPROVED BY THE ENGINEER.
6. "WO" AND "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
7. ALL M05 AND M06 ARROWS SHALL BE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
8. SIGNS ALONG 3RD AVE. SHALL BE STACKED VERTICALLY AND BANDED TO EXISTING LIGHT POLES.
9. REMOVE MEDIAN ON 42 AND 57 AT UTAH STREET. SEE PLANS FOR CONSTRUCTION REQUIREMENTS.
10. PORTABLE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 10 DAYS PRIOR TO START OF CONSTRUCTION AT LOCATIONS INDICATED ON PLAN BELOW OR AS DIRECTED BY THE ENGINEER.
11. EGG HARBOR CONNECTOR IS A TEMPORARY ROAD CONNECTION.
12. ADJUST BARRICADES AND SIGNING AS NECESSARY TO NOT CONFLICT WITH ROADWAY CLOSURE AND SIGNING FOR PROJECT ID 4140-20-73 (BY OTHERS).



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- DETOUR ROUTE

DETOUR BY OTHERS UNDER PROJECT ID 4430-16-60

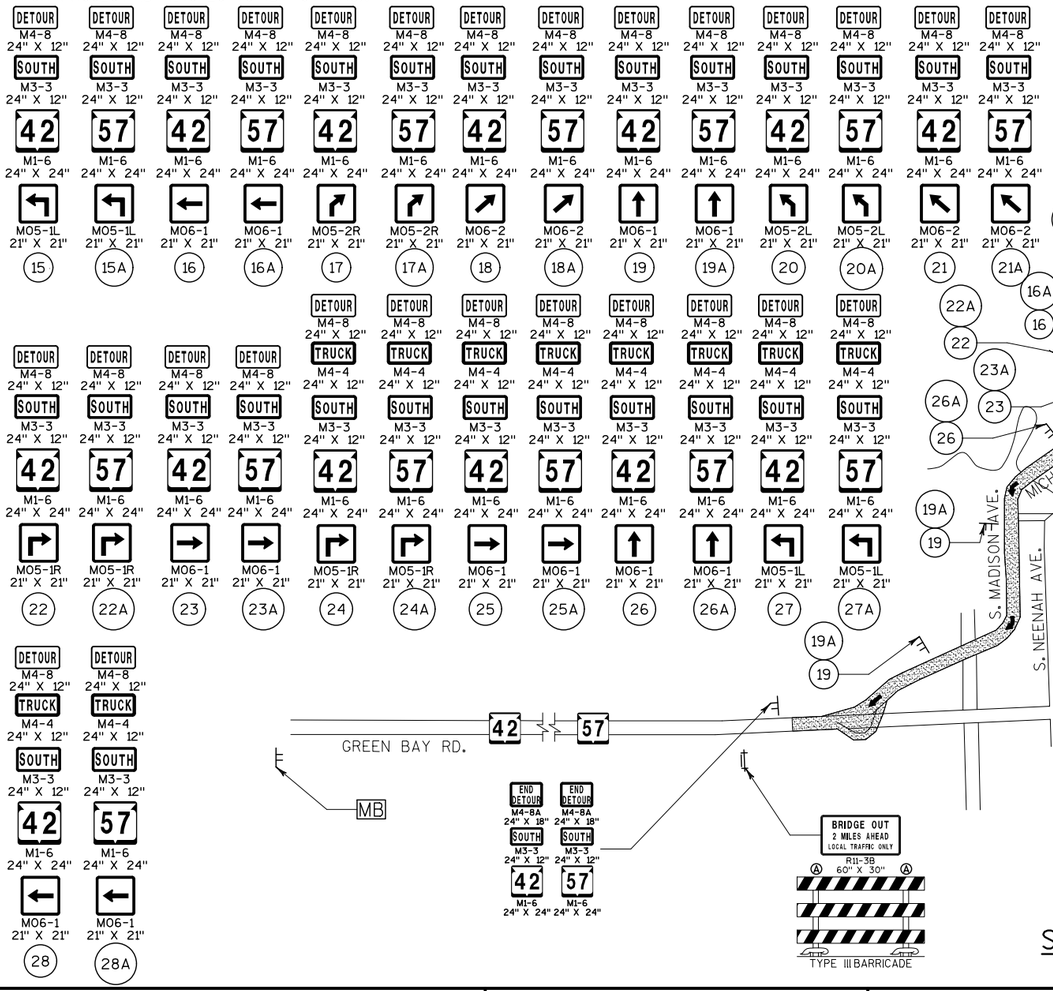
INFORMATION ONLY

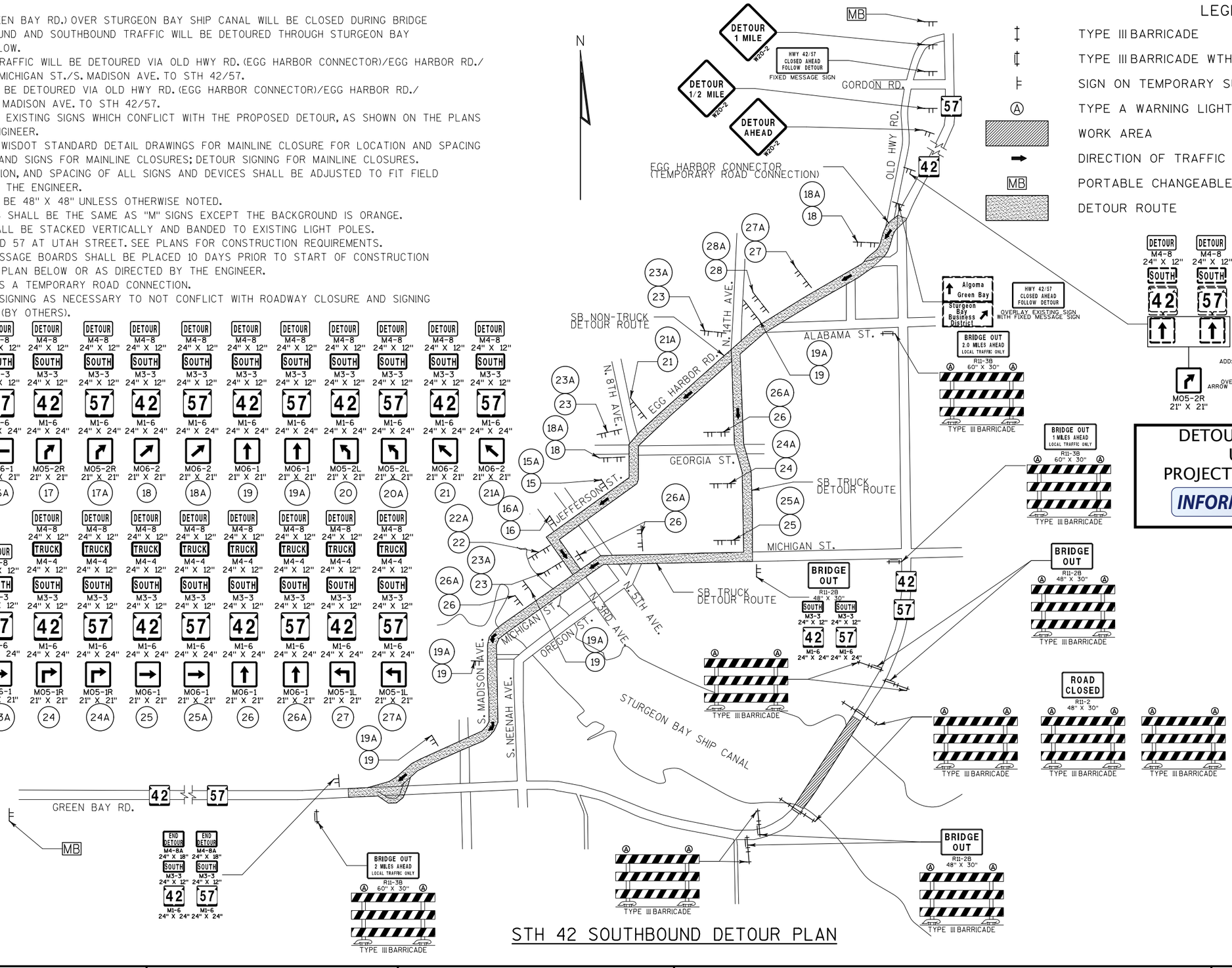
STH 42 NORTHBOUND DETOUR PLAN

PROJECT NO: 4430-16-60	HWY: STH 42	COUNTY: DOOR	NORTHBOUND DETOUR PLAN	SHEET 128 E

NOTES:

1. STATE HIGHWAY 42/57 (GREEN BAY RD.) OVER STURGEON BAY SHIP CANAL WILL BE CLOSED DURING BRIDGE MAINTENANCE WORK. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE DETOURED THROUGH STURGEON BAY DOWNTOWN AS DESCRIBED BELOW.
2. SOUTHBOUND NON-TRUCK TRAFFIC WILL BE DETOURED VIA OLD HWY RD. (EGG HARBOR CONNECTOR)/EGG HARBOR RD./ JEFFERSON ST./N. 3RD AVE./MICHIGAN ST./S. MADISON AVE. TO STH 42/57.
3. SOUTHBOUND TRAFFIC WILL BE DETOURED VIA OLD HWY RD. (EGG HARBOR CONNECTOR)/EGG HARBOR RD./ N. 14TH AVE./MICHIGAN ST./S. MADISON AVE. TO STH 42/57.
4. CONTRACTOR SHALL COVER EXISTING SIGNS WHICH CONFLICT WITH THE PROPOSED DETOUR, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
5. REFER TO THE FOLLOWING WISDOT STANDARD DETAIL DRAWINGS FOR MAINLINE CLOSURE FOR LOCATION AND SPACING BETWEEN SIGNS: BARRICADES AND SIGNS FOR MAINLINE CLOSURES; DETOUR SIGNING FOR MAINLINE CLOSURES.
6. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS, AS APPROVED BY THE ENGINEER.
7. "WO" AND "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
8. ALL M05 AND M06 ARROWS SHALL BE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
9. SIGNS ALONG 3RD AVE. SHALL BE STACKED VERTICALLY AND BANDED TO EXISTING LIGHT POLES.
10. REMOVE MEDIAN ON 42 AND 57 AT UTAH STREET. SEE PLANS FOR CONSTRUCTION REQUIREMENTS.
11. PORTABLE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 10 DAYS PRIOR TO START OF CONSTRUCTION AT LOCATIONS INDICATED ON PLAN BELOW OR AS DIRECTED BY THE ENGINEER.
12. EGG HARBOR CONNECTOR IS A TEMPORARY ROAD CONNECTION.
13. ADJUST BARRICADES AND SIGNING AS NECESSARY TO NOT CONFLICT WITH ROADWAY CLOSURE AND SIGNING FOR PROJECT ID 4140-20-73 (BY OTHERS).





LEGEND

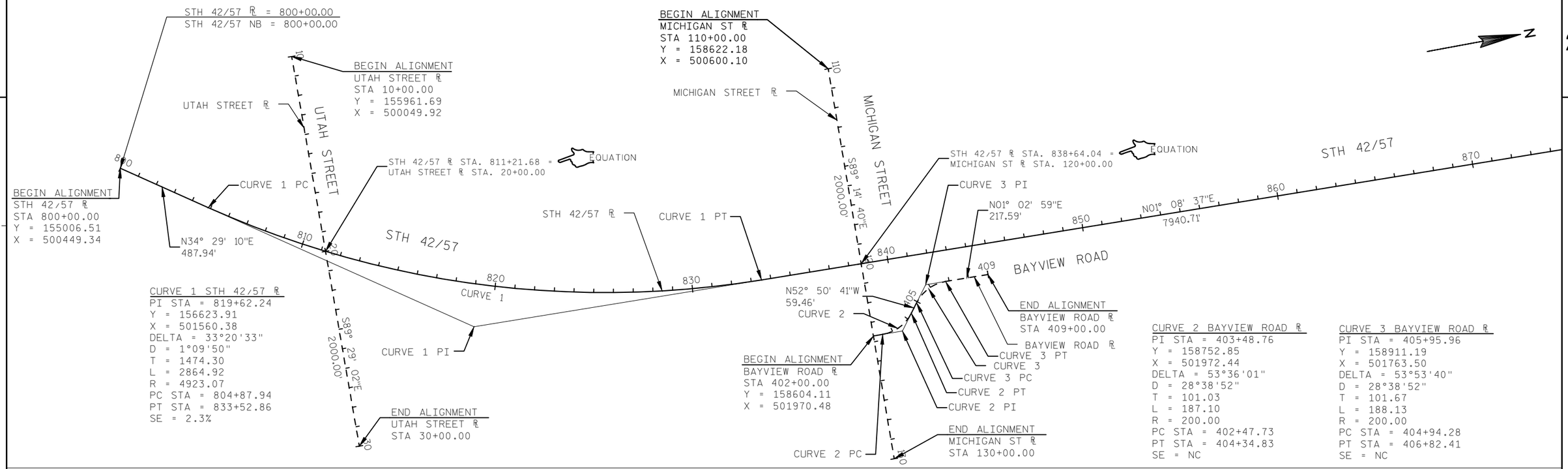
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- DETOUR ROUTE

DETOUR BY OTHERS UNDER PROJECT ID 4430-16-60

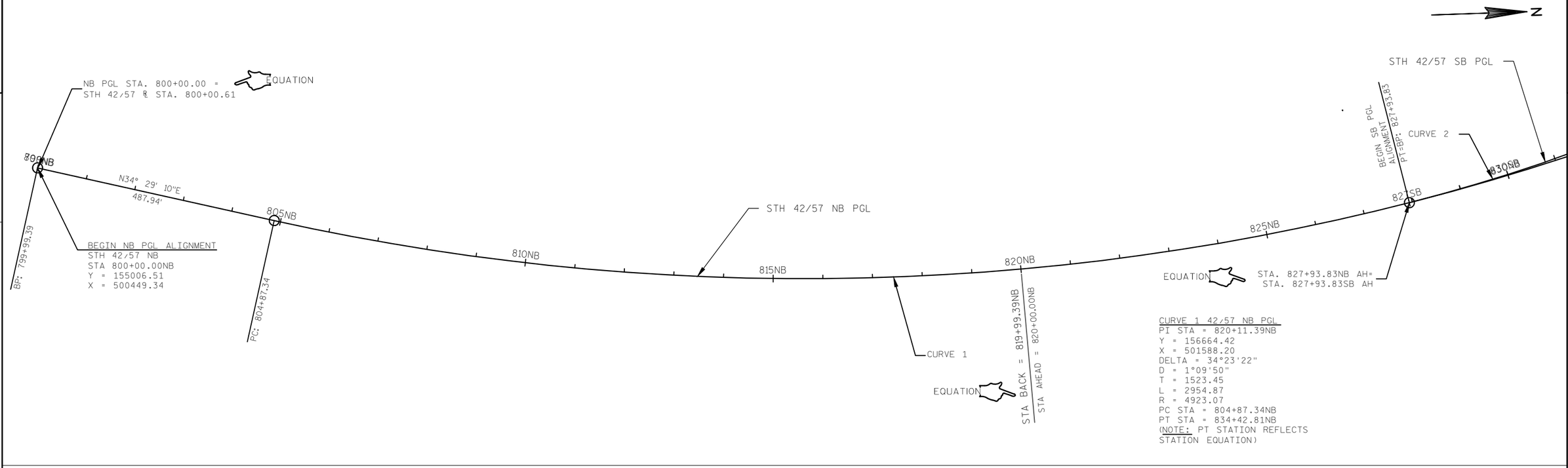
INFORMATION ONLY

STH 42 SOUTHBOUND DETOUR PLAN

PROJECT NO: 4430-16-60	HWY: STH 42	COUNTY: DOOR	SOUTHBOUND DETOUR PLAN	SHEET 129	E

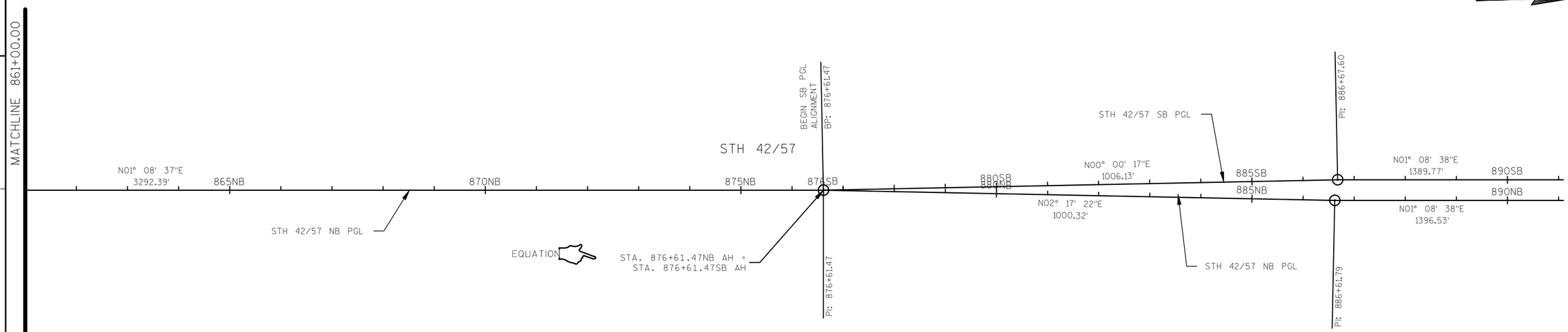


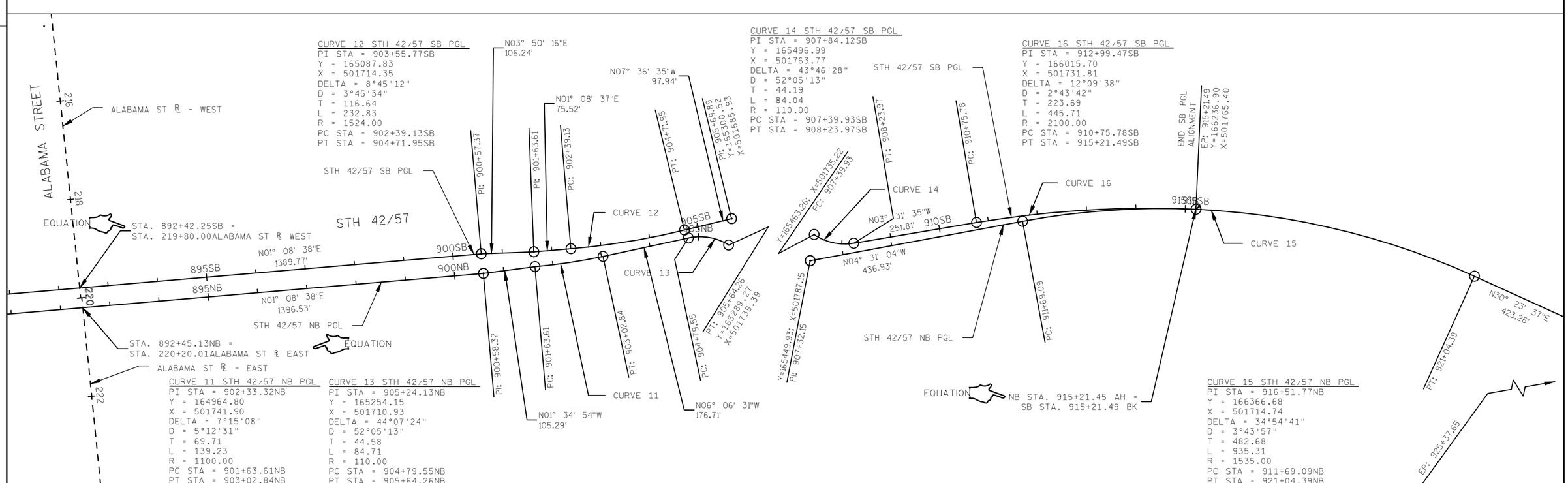
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAIL - STH 42/57 ℄ & SIDE ROADS	SHEET 130	E



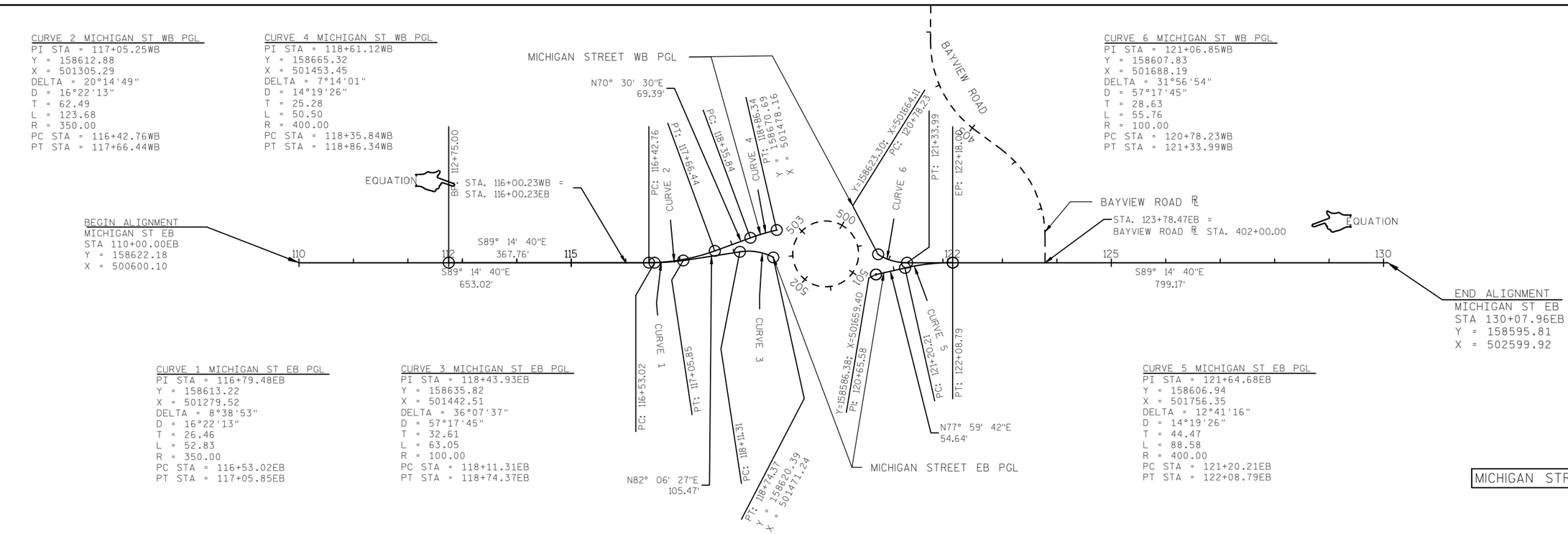
PROJECT NO: 4140-20-73	HWY: DOOR	COUNTY: STH 42/57	ALIGNMENT DETAIL - STH 42/57 NB/SB	SHEET 131	E

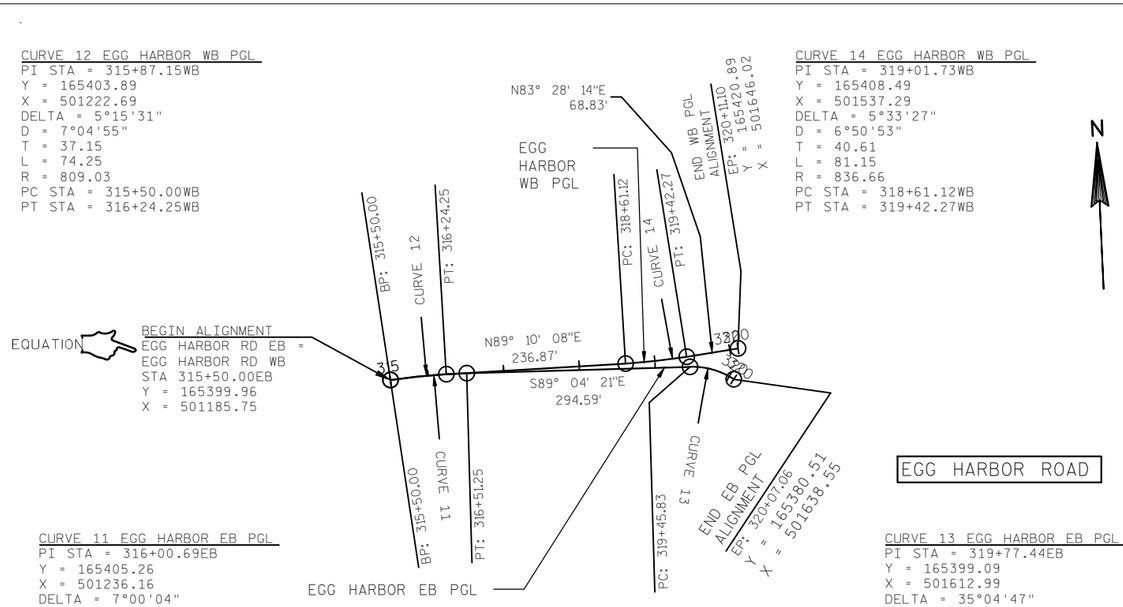
2

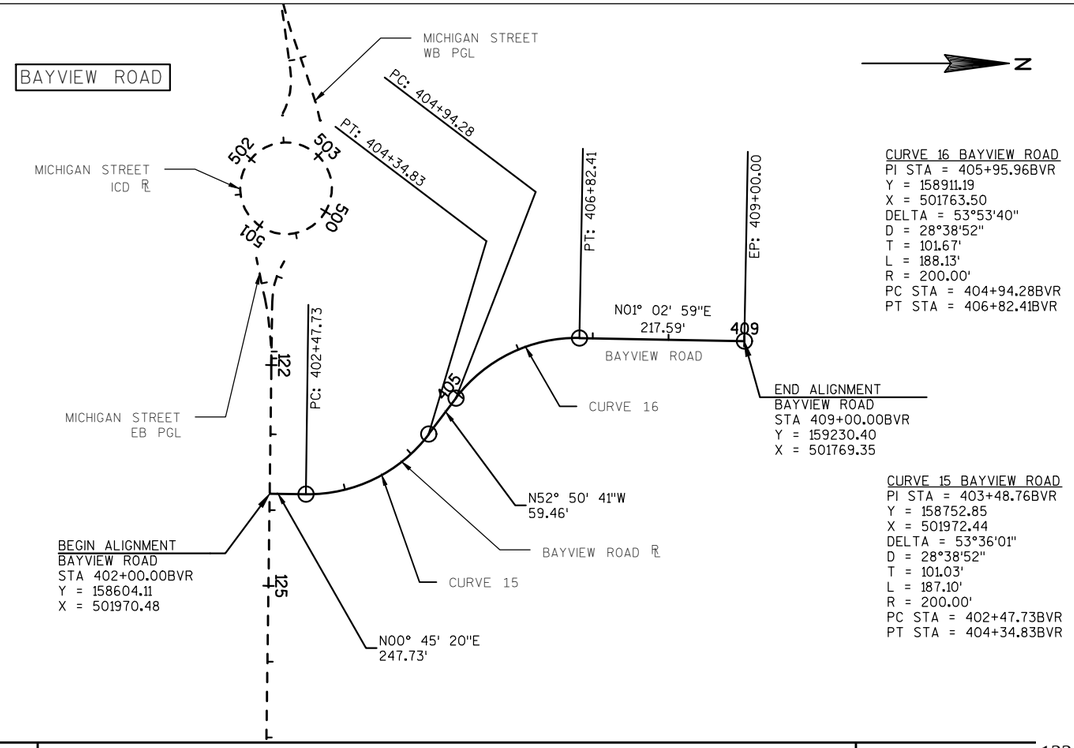




PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS - STH 42/57 NB/SB	SHEET 132	E

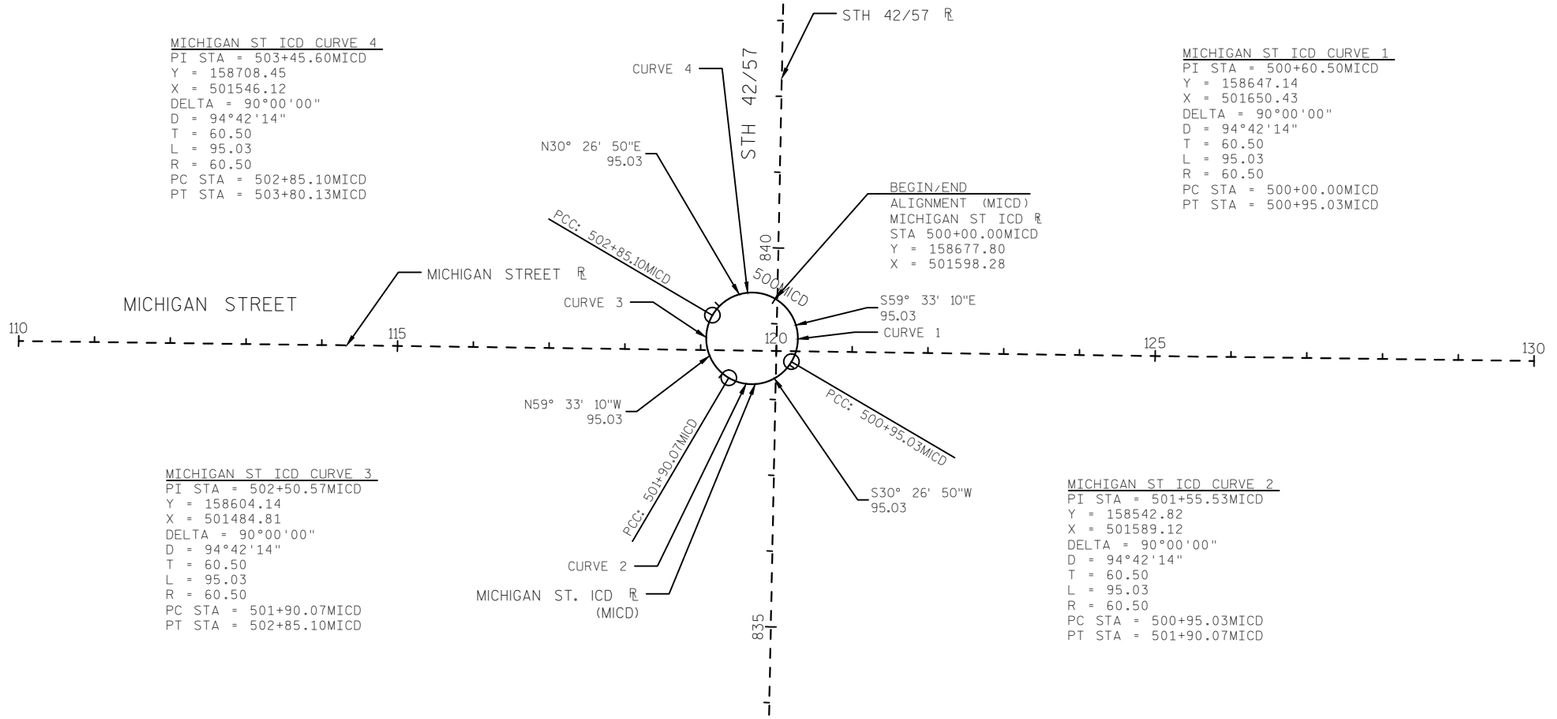






PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS - MICHIGAN, EGG HARBOR, BAY VIEW	SHEET 133 E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\027204_AD.DWG PLOT DATE : 12/14/2015 10:10 AM PLOT BY : JASEN GROVES PLOT NAME : 027204_AD PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



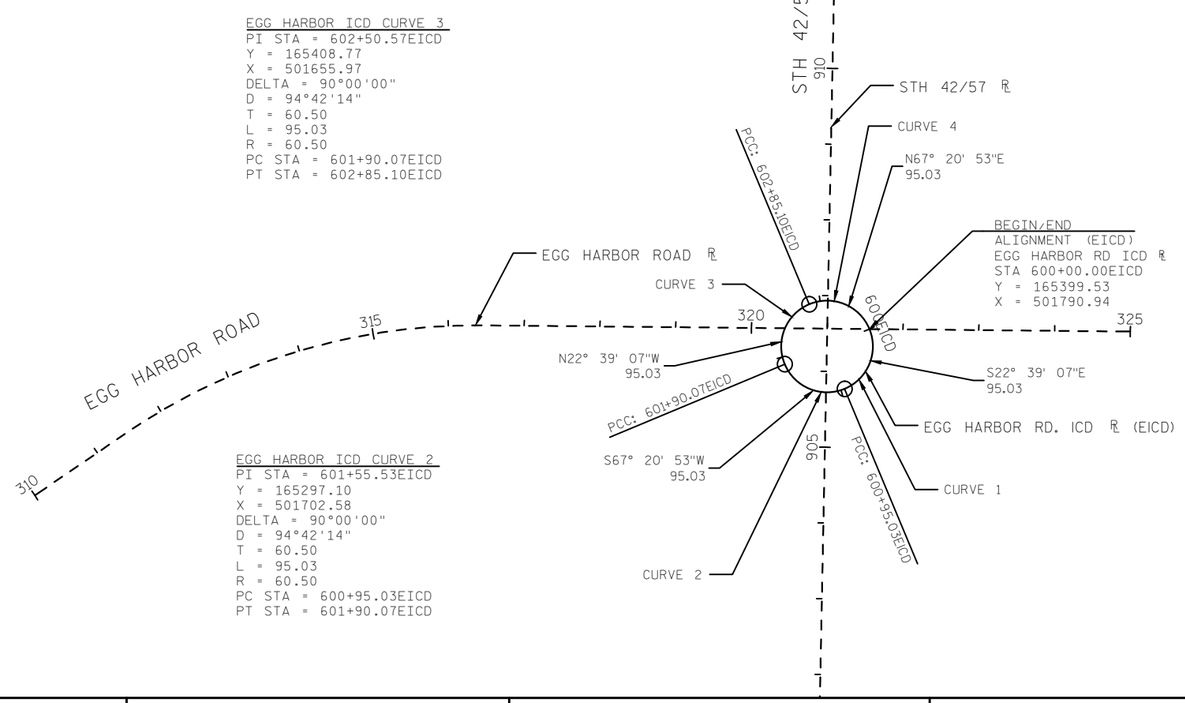
MICHIGAN ST ICD CURVE 4
PI STA = 503+45.60MICD
Y = 158708.45
X = 501546.12
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 502+85.10MICD
PT STA = 503+80.13MICD

MICHIGAN ST ICD CURVE 1
PI STA = 500+60.50MICD
Y = 158647.14
X = 501650.43
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 500+00.00MICD
PT STA = 500+95.03MICD

MICHIGAN ST ICD CURVE 3
PI STA = 502+50.57MICD
Y = 158604.14
X = 501484.81
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 501+90.07MICD
PT STA = 502+85.10MICD

MICHIGAN ST ICD CURVE 2
PI STA = 501+55.53MICD
Y = 158542.82
X = 501589.12
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 500+95.03MICD
PT STA = 501+90.07MICD

MICHIGAN STREET



EGG HARBOR ICD CURVE 3
PI STA = 602+50.57EICD
Y = 165408.77
X = 501655.97
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 601+90.07EICD
PT STA = 602+85.10EICD

EGG HARBOR ICD CURVE 4
PI STA = 603+45.60EICD
Y = 165455.37
X = 501767.64
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 602+85.10EICD
PT STA = 603+80.13EICD

EGG HARBOR ICD CURVE 2
PI STA = 601+55.53EICD
Y = 165297.10
X = 501702.58
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 600+95.03EICD
PT STA = 601+90.07EICD

EGG HARBOR ICD CURVE 1
PI STA = 600+60.50EICD
Y = 165343.70
X = 501814.24
DELTA = 90°00'00"
D = 94°42'14"
T = 60.50
L = 95.03
R = 60.50
PC STA = 600+00.00EICD
PT STA = 600+95.03EICD

EGG HARBOR ROAD

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS - MICHIGAN ST ICD & EGG HARBOR RD ICD	SHEET 134	E

MICHIGAN NW CORNER

CURVE 5 NW CORNER CURB
PI STA = 165+42.77MNW
DELTA = 3°55'04"
D = 5°10'16"
T = 37.90
L = 75.76
R = 1108.00
PC STA = 165+04.87MNW
PT STA = 165+80.64MNW

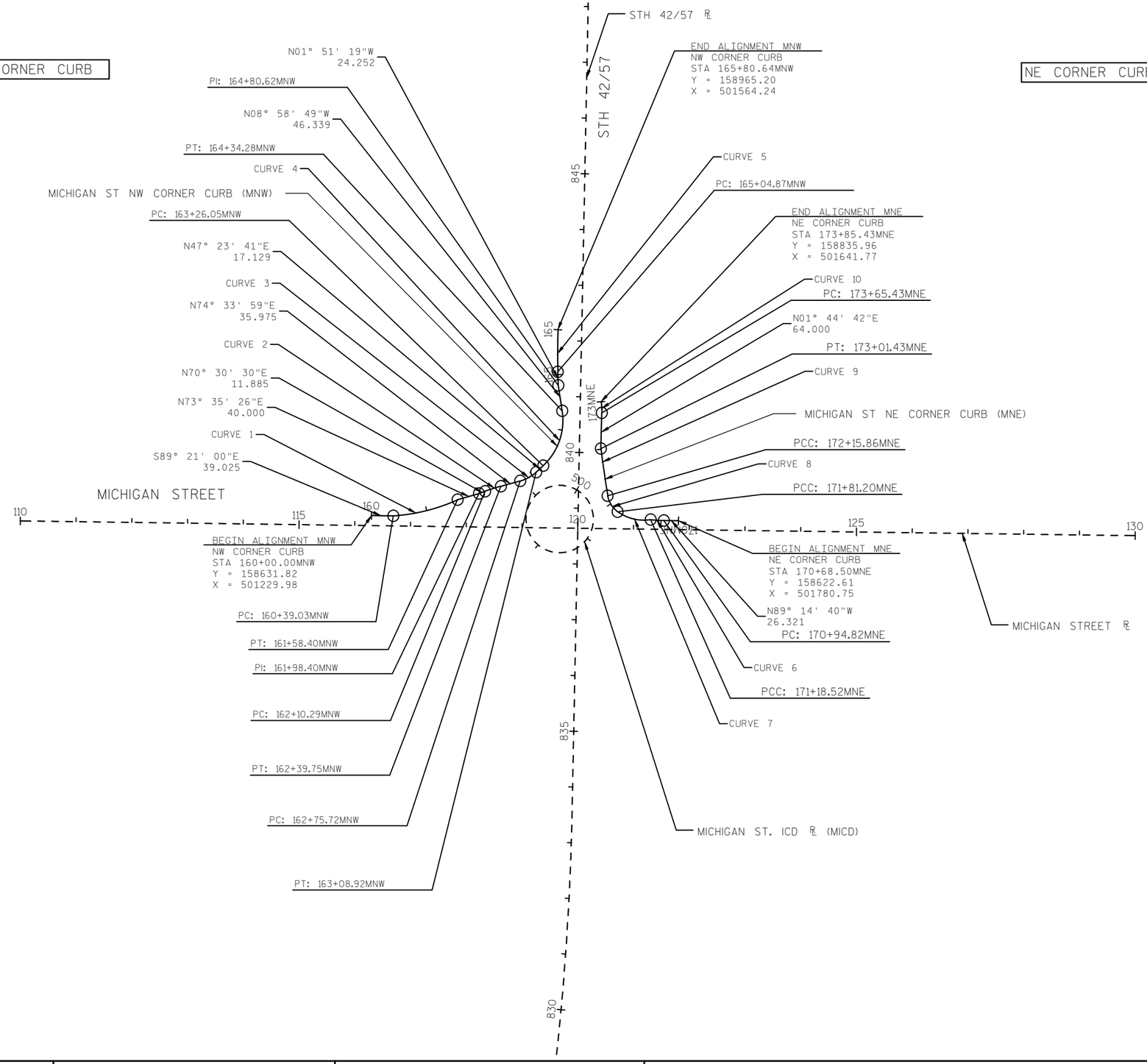
CURVE 4 NW CORNER CURB
PI STA = 163+85.00MNW
DELTA = 56°22'30"
D = 52°05'13"
T = 58.95
L = 108.23
R = 110.00
PC STA = 163+26.05MNW
PT STA = 164+34.28MNW

CURVE 3 NW CORNER CURB
PI STA = 162+92.64MNW
DELTA = 27°10'18"
D = 81°51'04"
T = 16.92
L = 33.20
R = 70.00
PC STA = 162+75.72MNW
PT STA = 163+08.92MNW

CURVE 2 NW CORNER CURB
PI STA = 162+25.02MNW
DELTA = 4°03'29"
D = 13°46'23"
T = 14.74
L = 29.46
R = 416.00
PC STA = 162+10.29MNW
PT STA = 162+39.75MNW

CURVE 1 NW CORNER CURB
PI STA = 160+99.36MNW
DELTA = 20°32'22"
D = 17°12'21"
T = 60.33
L = 119.37
R = 333.00
PC STA = 160+39.03MNW
PT STA = 161+58.40MNW

NW CORNER CURB



NE CORNER CURB

MICHIGAN NE CORNER

CURVE 10 NE CORNER CURB
PI STA = 173+75.43MNE
DELTA = 0°46'05"
D = 3°50'25"
T = 10.00
L = 20.00
R = 1492.00
PC STA = 173+65.43MNE
PT STA = 173+85.43MNE

CURVE 9 NE CORNER CURB
PI STA = 172+58.66MNE
DELTA = 3°16'08"
D = 3°49'11"
T = 42.80
L = 85.58
R = 1500.00
PC STA = 172+15.86MNE
PT STA = 173+01.43MNE

CURVE 8 NE CORNER CURB
PI STA = 171+99.44MNE
DELTA = 44°07'28"
D = 127°19'26"
T = 18.24
L = 34.66
R = 45.00
PC STA = 171+81.20MNE
PT STA = 172+15.86MNE

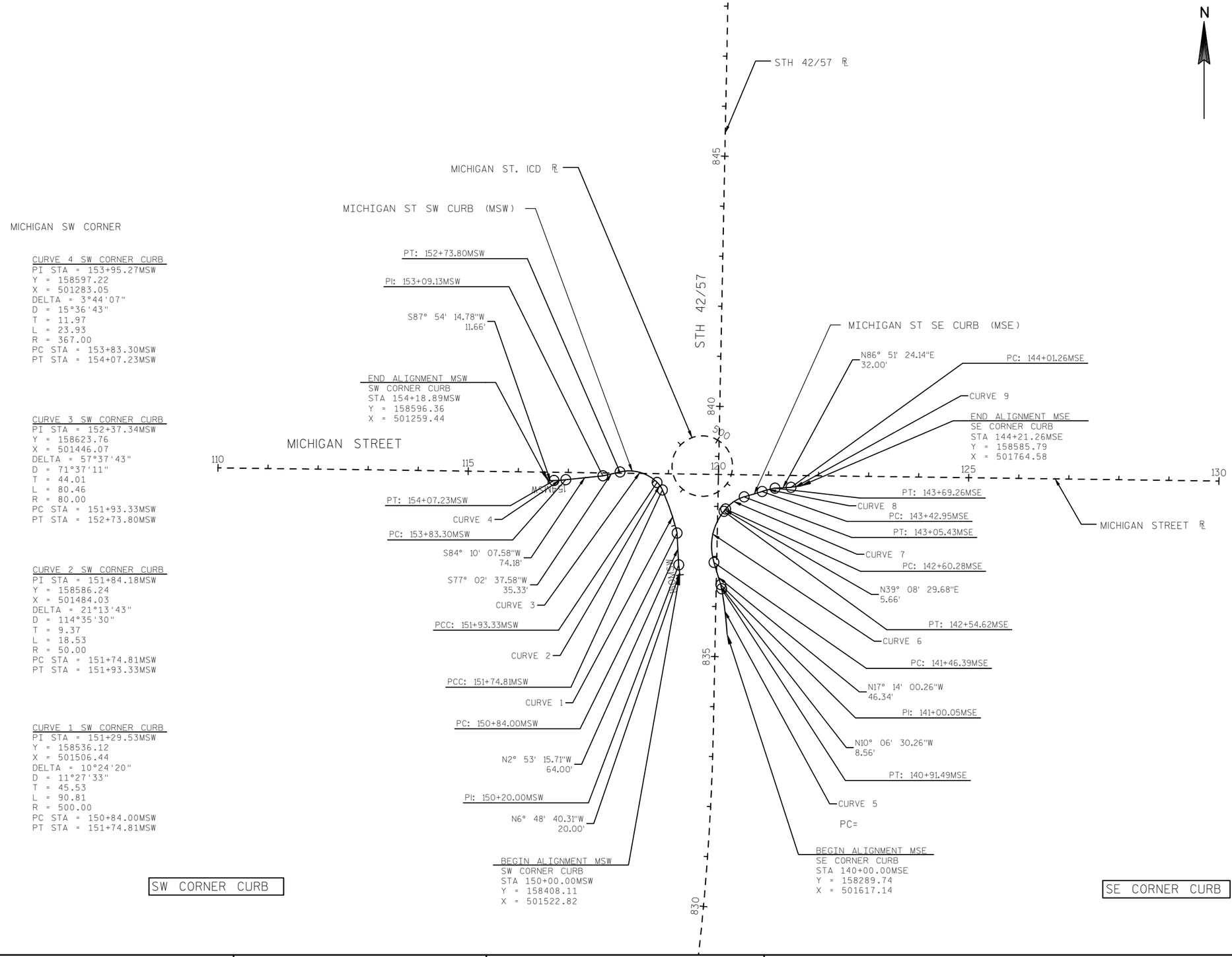
CURVE 7 NE CORNER CURB
PI STA = 171+51.57MNE
DELTA = 44°53'21"
D = 71°37'11"
T = 33.05
L = 62.68
R = 80.00
PC STA = 171+18.52MNE
PT STA = 171+81.20MNE

CURVE 6 NE CORNER CURB
PI STA = 171+06.68MNE
DELTA = 5°31'14"
D = 23°17'27"
T = 11.86
L = 23.70
R = 246.00
PC STA = 170+94.82MNE
PT STA = 171+18.52MNE

N

2

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS-MICHIGAN ST ROUNDABOUT NW & NE CORNERS	SHEET 135	E



MICHIGAN SW CORNER

CURVE 4 SW CORNER CURB
PI STA = 153+95.27MSW
Y = 158597.22
X = 501283.05
DELTA = 3°44'07"
D = 15°36'43"
T = 11.97
L = 23.93
R = 367.00
PC STA = 153+83.30MSW
PT STA = 154+07.23MSW

CURVE 3 SW CORNER CURB
PI STA = 152+37.34MSW
Y = 158623.76
X = 501446.07
DELTA = 57°37'43"
D = 71°37'11"
T = 44.01
L = 80.46
R = 80.00
PC STA = 151+93.33MSW
PT STA = 152+73.80MSW

CURVE 2 SW CORNER CURB
PI STA = 151+84.18MSW
Y = 158586.24
X = 501484.03
DELTA = 21°13'43"
D = 114°35'30"
T = 9.37
L = 18.53
R = 50.00
PC STA = 151+74.81MSW
PT STA = 151+93.33MSW

CURVE 1 SW CORNER CURB
PI STA = 151+29.53MSW
Y = 158536.12
X = 501506.44
DELTA = 10°24'20"
D = 11°27'33"
T = 45.53
L = 90.81
R = 500.00
PC STA = 150+84.00MSW
PT STA = 151+74.81MSW

SW CORNER CURB

MICHIGAN SE CORNER

CURVE 9 SE CORNER CURB
PI STA = 144+11.26MSE
Y = 158584.62
X = 501754.65
DELTA = 1°55'22"
D = 9°36'48"
T = 10.00
L = 20.00
R = 596.00
PC STA = 144+01.26MSE
PT STA = 144+21.26MSE

CURVE 8 SE CORNER CURB
PI STA = 143+56.11MSE
Y = 158578.53
X = 501699.96
DELTA = 3°55'31"
D = 14°55'15"
T = 13.16
L = 26.31
R = 384.00
PC STA = 143+42.95MSE
PT STA = 143+69.26MSE

CURVE 7 SE CORNER CURB
PI STA = 142+83.56MSE
Y = 158557.69
X = 501628.99
DELTA = 34°29'26"
D = 76°23'40"
T = 23.28
L = 45.15
R = 75.00
PC STA = 142+60.28MSE
PT STA = 143+05.43MSE

CURVE 6 SE CORNER CURB
PI STA = 142+05.34MSE
Y = 158489.52
X = 501573.51
DELTA = 56°22'30"
D = 52°05'13"
T = 58.95
L = 108.23
R = 110.00
PC STA = 141+46.39MSE
PT STA = 142+54.62MSE

CURVE 5 SE CORNER CURB
PI STA = 140+45.79MSE
Y = 158335.45
X = 501614.24
DELTA = 6°29'15"
D = 7°05'28"
T = 45.79
L = 91.49
R = 808.00
PC STA = 140+00.00MSE
PT STA = 140+91.49MSE

SE CORNER CURB

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS-MICHIGAN ST ROUNDABOUT SW & SE CORNERS	SHEET 136	E

EGG HARBOR NW CORNER

CURVE 3 NW CORNER CURB
PI STA = 381+45.04
Y = 165446.98ENW
X = 501677.96
DELTA = 32°32'43"
D = 63°39'43"
T = 26.27
L = 51.12
R = 90.00
PC STA = 381+18.77ENW
PT STA = 381+69.89ENW

CURVE 4 NW CORNER CURB
PI STA = 382+32.85
Y = 165509.66ENW
X = 501741.46
DELTA = 53°25'42"
D = 52°05'13"
T = 55.36
L = 102.57
R = 110.00
PC STA = 381+77.49ENW
PT STA = 382+80.06ENW

CURVE 2 NW CORNER CURB
PI STA = 380+96.86
Y = 165436.90ENW
X = 501630.83
DELTA = 3°08'21"
D = 7°09'43"
T = 21.92
L = 43.83
R = 800.00
PC STA = 380+74.94ENW
PT STA = 381+18.77ENW

CURVE 1 NW CORNER CURB
PI STA = 380+10.00
Y = 165431.09ENW
X = 501544.41
DELTA = 0°57'35"
D = 4°47'55"
T = 10.00
L = 20.00
R = 1194.00
PC STA = 380+00.00ENW
PT STA = 380+20.00ENW

EGG HARBOR SW CORNER

CURVE 8 SW CORNER CURB
PI STA = 362+97.65
Y = 165382.29ESW
X = 501541.67
DELTA = 3°38'01"
D = 16°27'48"
T = 11.04
L = 22.07
R = 348.02
PC STA = 362+86.61ESW
PT STA = 363+08.68ESW

CURVE 7 SW CORNER CURB
PI STA = 362+35.84
Y = 165388.19ESW
X = 501609.98
DELTA = 56°05'12"
D = 71°35'47"
T = 42.63
L = 78.34
R = 80.03
PC STA = 361+93.21ESW
PT STA = 362+71.55ESW

CURVE 6 SW CORNER CURB
PI STA = 361+79.51
Y = 165345.33ESW
X = 501647.17
DELTA = 24°14'59"
D = 87°11'07"
T = 14.12
L = 27.81
R = 65.72
PC STA = 361+65.39ESW
PT STA = 361+93.21ESW

CURVE 6 SW CORNER CURB
PI STA = 361+24.70
Y = 165292.19ESW
X = 501660.59
DELTA = 3°41'46"
D = 4°32'23"
T = 40.72
L = 81.41
R = 1262.07
PC STA = 360+83.98ESW
PT STA = 361+65.39ESW

NW CORNER CURB

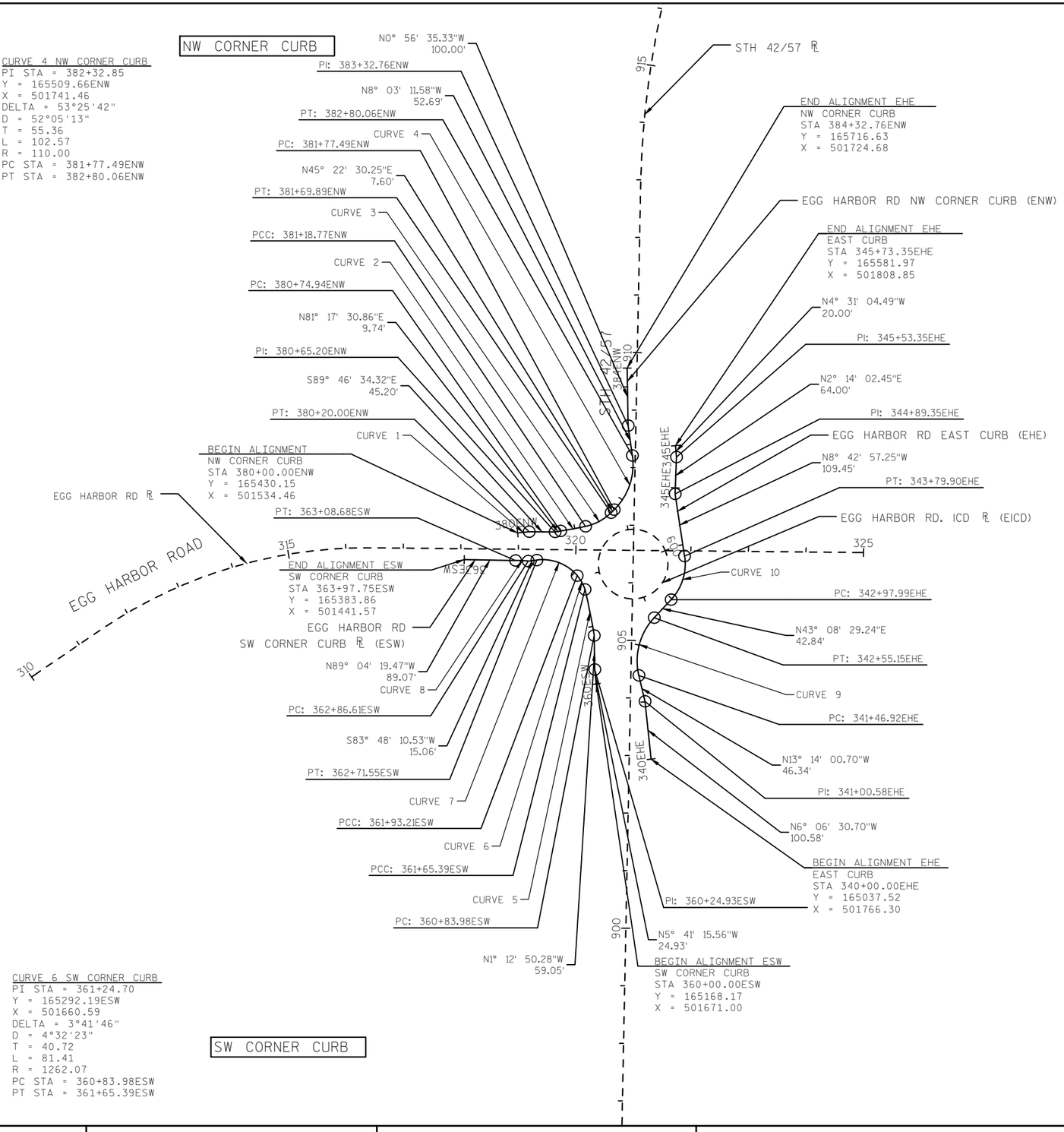
SW CORNER CURB

EAST CURB

EGG HARBOR EAST CURB

CURVE 10 EAST CURB
PI STA = 343+41.99
Y = 165346.40EHE
X = 501831.18
DELTA = 51°51'26"
D = 63°18'37"
T = 44.00
L = 81.91
R = 90.50
PC STA = 342+97.99EHE
PT STA = 343+79.90EHE

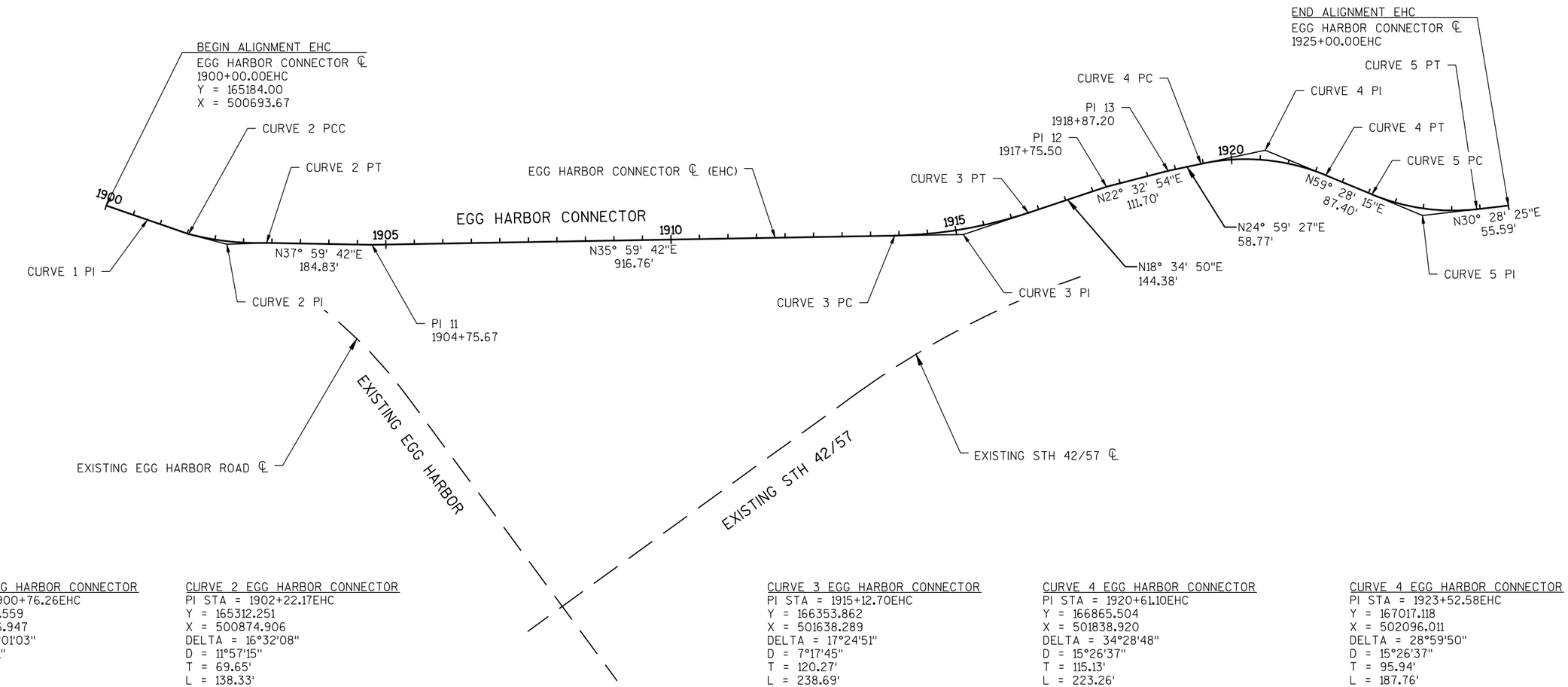
CURVE 9 EAST CURB
PI STA = 342+05.87
Y = 165240.03EHE
X = 501731.49
DELTA = 56°22'30"
D = 52°05'13"
T = 58.95
L = 108.23
R = 110.00
PC STA = 341+46.92EHE
PT STA = 342+55.15EHE



PI 11
STA. = 1904+75.67EHC
Y = 165514.83
X = 501028.8113
DELTA = 2°00'00.00"

PI 12
PI STA. = 1917+75.50EHC
Y = 166604.72
X = 501722.6189
DELTA = 3°58'03.58"

PI 13
PI STA. = 1918+87.20EHC
Y = 166707.88
X = 501765.4512
DELTA = 2°26'32.51"



CURVE 1 EGG HARBOR CONNECTOR
PI STA = 1900+76.26EHC
Y = 165226.559
X = 500756.947
DELTA = 0°01'03"
D = 0°00'41"
T = 76.26'
L = 152.52'
R = 502560.18'
PC STA = 1900+00.00EHC
PT STA = 1901+52.52EHC

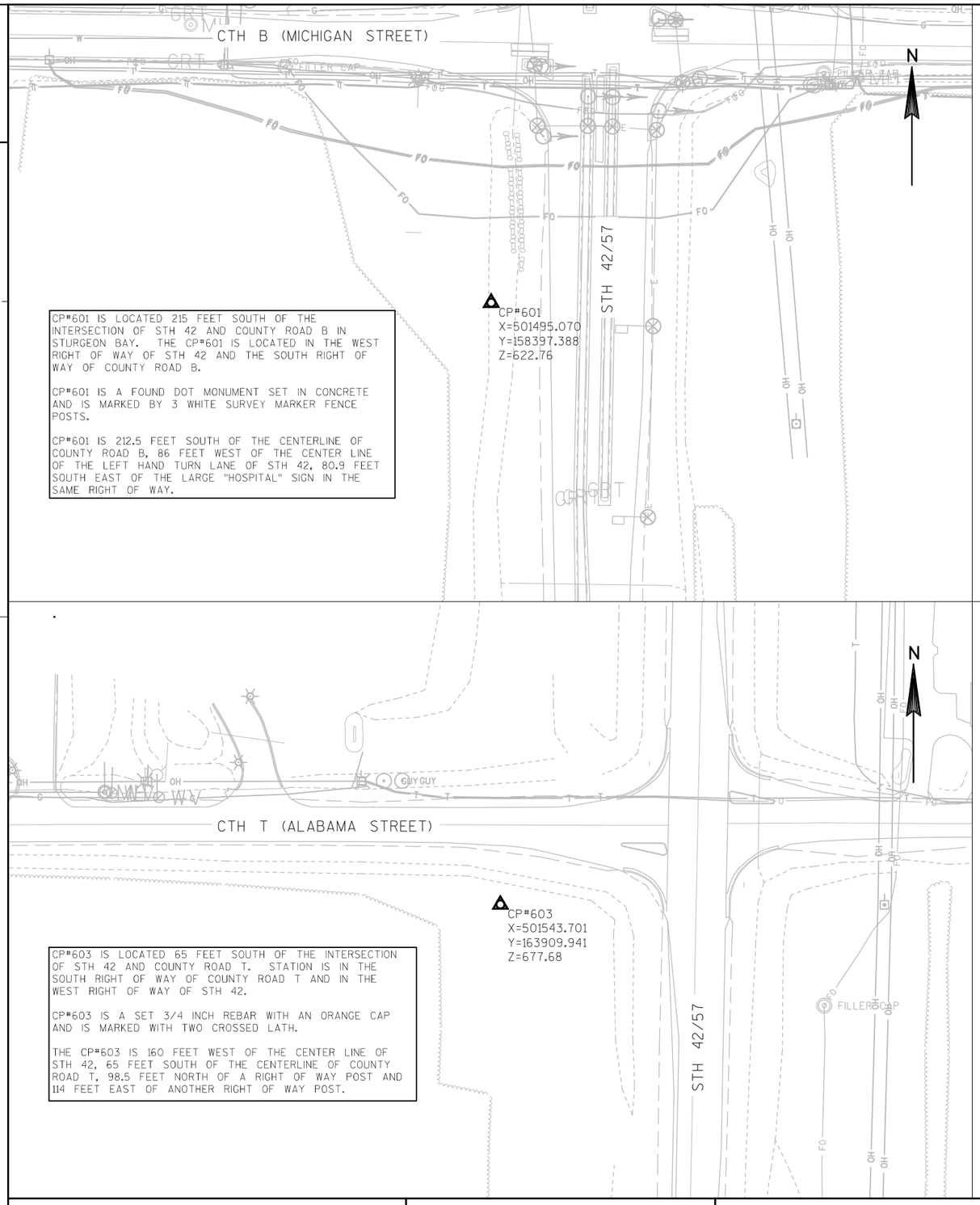
CURVE 2 EGG HARBOR CONNECTOR
PI STA = 1902+22.17EHC
Y = 165312.251
X = 500874.906
DELTA = 16°32'08"
D = 11°57'15"
T = 69.65'
L = 138.33'
R = 479.29'
PC STA = 1901+52.52EHC
PT STA = 1902+90.84EHC

CURVE 3 EGG HARBOR CONNECTOR
PI STA = 1915+12.70EHC
Y = 166353.862
X = 501638.289
DELTA = 17°24'51"
D = 7°17'45"
T = 120.27'
L = 238.69'
R = 785.33'
PC STA = 1913+92.43EHC
PT STA = 1916+31.12EHC

CURVE 4 EGG HARBOR CONNECTOR
PI STA = 1920+61.10EHC
Y = 166865.504
X = 501838.920
DELTA = 34°28'48"
D = 15°26'37"
T = 115.13'
L = 223.26'
R = 371.00'
PC STA = 1919+45.98EHC
PT STA = 1921+69.24EHC

CURVE 4 EGG HARBOR CONNECTOR
PI STA = 1923+52.58EHC
Y = 167017.118
X = 502096.011
DELTA = 28°59'50"
D = 15°26'37"
T = 95.94'
L = 187.76'
R = 371.00'
PC STA = 1922+56.64EHC
PT STA = 1924+44.41EHC

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAILS - EGG HARBOR CONNECTOR	SHEET 138	E



CP*601 IS LOCATED 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B IN STURGEON BAY. THE CP*601 IS LOCATED IN THE WEST RIGHT OF WAY OF STH 42 AND THE SOUTH RIGHT OF WAY OF COUNTY ROAD B.

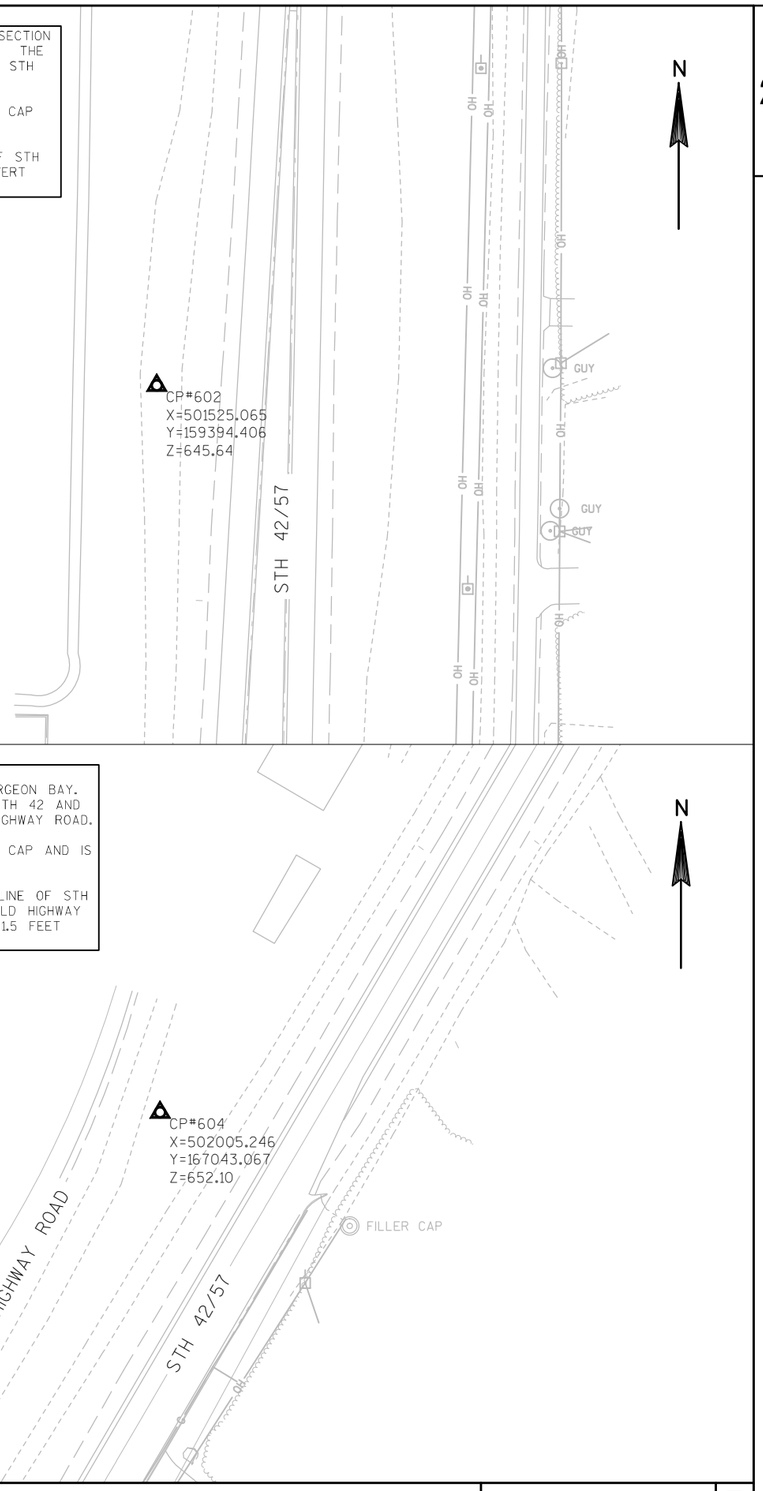
CP*601 IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS.

CP*601 IS 212.5 FEET SOUTH OF THE CENTERLINE OF COUNTY ROAD B, 86 FEET WEST OF THE CENTER LINE OF THE LEFT HAND TURN LANE OF STH 42, 80.9 FEET SOUTH EAST OF THE LARGE "HOSPITAL" SIGN IN THE SAME RIGHT OF WAY.

CP*602 IS LOCATED 0.2 MILES NORTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B IN STURGEON BAY. THE CP*602 IS LOCATED IN THE WEST RIGHT OF WAY OF STH 42.

CP*602 IS A SET 3/4 INCH REBAR WITH AN ORANGE CAP AND IS MARKED WITH TWO CROSSED LATH.

CP*602 IS 80.5 FEET WEST OF THE CENTER LINE OF STH 42, 258 FEET NORTH OF THE WEST END OF A CULVERT PIPE AND 44.5 FEET EAST OF A PARK BENCH.



CP*603 IS LOCATED 65 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD T. STATION IS IN THE SOUTH RIGHT OF WAY OF COUNTY ROAD T AND IN THE WEST RIGHT OF WAY OF STH 42.

CP*603 IS A SET 3/4 INCH REBAR WITH AN ORANGE CAP AND IS MARKED WITH TWO CROSSED LATH.

THE CP*603 IS 160 FEET WEST OF THE CENTER LINE OF STH 42, 65 FEET SOUTH OF THE CENTERLINE OF COUNTY ROAD T, 98.5 FEET NORTH OF A RIGHT OF WAY POST AND 114 FEET EAST OF ANOTHER RIGHT OF WAY POST.

CP*604 IS LOCATED 0.2 MILES SOUTH WEST OF THE INTERSECTION OF STH 42 AND GORDON ROAD IN STURGEON BAY. CP*604 IS IN THE NORTH WEST RIGHT OF WAY OF STH 42 AND ALSO IN THE SOUTH EAST RIGHT OF WAY OF OLD HIGHWAY ROAD.

CP*604 IS A SET 3/4 INCH REBAR WITH AN ORANGE CAP AND IS MARKED WITH TWO CROSSED LATH.

CP*604 IS 91.5 FEET NORTH WEST OF THE CENTER LINE OF STH 42, 55 FEET SOUTH EAST OF THE CENTERLINE OF OLD HIGHWAY ROAD, 31.5 WEST OF A RIGHT OF WAY POST AND 341.5 FEET SOUTH WEST OF A POWER POLE #39-X-2.

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT PLAN - CONTROL POINTS	SHEET 139	E

DATE 16DEC15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-73 QUANTITY
0010	203.0100	Removing Small Pipe Culverts	EACH	10.000	10.000
0020	204.0100	Removing Pavement	SY	33,875.000	33,875.000
0030	204.0120	Removing Asphaltic Surface Milling	SY	6,700.000	6,700.000
0040	204.0150	Removing Curb & Gutter	LF	1,290.000	1,290.000
0050	204.0155	Removing Concrete Sidewalk	SY	735.000	735.000
0060	204.0165	Removing Guardrail	LF	129.000	129.000
0070	204.0180	Removing Delineators and Markers	EACH	7.000	7.000
0080	204.0195	Removing Concrete Bases	EACH	13.000	13.000
0090	204.0220	Removing Inlets	EACH	10.000	10.000
0100	204.0245	Removing Storm Sewer (size) 01. 12-INCH	LF	132.000	132.000
0110	204.0245	Removing Storm Sewer (size) 02. 18-INCH	LF	164.000	164.000
0120	204.9060.S	Removing (item description) 01. Removing Endwall 24-INCH	EACH	2.000	2.000
0130	204.9060.S	Removing (item description) 02. Removing Endwall 36-INCH	EACH	1.000	1.000
0140	205.0100	Excavation Common	CY	40,979.000	40,979.000
0150	213.0100	Finishing Roadway (project) 01. 4140-20-73	EACH	1.000	1.000
0160	214.0100	Obliterating Old Road	STA	7.300	7.300
0170	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,694.000	1,694.000
0180	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	34,049.000	34,049.000
0190	405.0100	Coloring Concrete Red	CY	480.000	480.000
0200	415.0090	Concrete Pavement 9-Inch	SY	43,685.000	43,685.000
0210	415.0210	Concrete Pavement Gaps	EACH	2.000	2.000
0220	415.1090	Concrete Pavement HES 9-Inch	SY	295.000	295.000
0230	416.0160	Concrete Driveway 6-Inch	SY	108.000	108.000
0240	416.0512	Concrete Roundabout Truck Apron 12-Inch	SY	864.000	864.000
0250	416.0610	Drilled Tie Bars	EACH	34.000	34.000
0260	416.0620	Drilled Dowel Bars	EACH	48.000	48.000
0270	416.1010	Concrete Surface Drains	CY	31.000	31.000
0280	416.1110	Concrete Shoulder Rumble Strips	LF	14,208.000	14,208.000
0290	440.4410	Incentive IRI Ride	DOL	4,130.300	4,130.300
0300	455.0105	Asphaltic Material PG58-28	TON	189.000	189.000
0310	455.0605	Tack Coat	GAL	301.000	301.000
0320	460.1100	HMA Pavement Type E-0.3	TON	1,502.000	1,502.000
0330	460.1101	HMA Pavement Type E-1	TON	1,807.000	1,807.000
0340	460.2000	Incentive Density HMA Pavement	DOL	2,120.000	2,120.000
0350	465.0105	Asphaltic Surface	TON	22.000	22.000
0360	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	30.000	30.000
0370	465.0125	Asphaltic Surface Temporary	TON	77.000	77.000
0380	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	1.000	1.000
0390	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	1.000	1.000
0400	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	1.000	1.000
0410	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	16.000	16.000
0420	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	5.000	5.000
0430	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0440	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	6.000	6.000

3

DATE 16DEC15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-73 QUANTITY
0450	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	3.000	3.000
0460	530.0124	Culvert Pipe Corrugated Polyethylene 24-Inch	LF	17.000	17.000
0470	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	560.000	560.000
0480	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	5,270.000	5,270.000
0490	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	435.000	435.000
0500	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	6,660.000	6,660.000
0510	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	330.000	330.000
0520	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	740.000	740.000
0530	601.0600	Concrete Curb Pedestrian	LF	440.000	440.000
0540	602.0410	Concrete Sidewalk 5-Inch	SF	35,720.000	35,720.000
0550	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	448.000	448.000
0560	606.0200	Riprap Medium	CY	173.000	173.000
0570	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,796.000	1,796.000
0580	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	177.000	177.000
0590	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	34.000	34.000
0600	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	139.000	139.000
0610	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	163.000	163.000
0620	611.0600	Inlet Covers Type A	EACH	6.000	6.000
0630	611.0624	Inlet Covers Type H	EACH	23.000	23.000
0640	611.0627	Inlet Covers Type HM	EACH	20.000	20.000
0650	611.0630	Inlet Covers Type HM-GJ	EACH	1.000	1.000
0660	611.0652	Inlet Covers Type T	EACH	4.000	4.000
0670	611.0666	Inlet Covers Type Z	EACH	4.000	4.000
0680	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0690	611.3003	Inlets 3-FT Diameter	EACH	10.000	10.000
0700	611.3004	Inlets 4-FT Diameter	EACH	18.000	18.000
0710	611.3230	Inlets 2x3-FT	EACH	25.000	25.000
0720	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0730	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0740	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4140-20-73	EACH	1.000	1.000
0750	619.1000	Mobilization	EACH	1.000	1.000
0760	620.0100	Concrete Corrugated Median	SF	2,000.000	2,000.000
0770	620.0300	Concrete Median Sloped Nose	SF	1,694.000	1,694.000
0780	624.0100	Water	MGAL	1,800.000	1,800.000
0790	625.0100	Topsoil	SY	45,825.000	45,825.000
0800	625.0500	Salvaged Topsoil	SY	27,395.000	27,395.000
0810	627.0200	Mulching	SY	62,460.000	62,460.000
0820	628.1504	Silt Fence	LF	11,350.000	11,350.000
0830	628.1520	Silt Fence Maintenance	LF	11,350.000	11,350.000
0840	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0850	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0860	628.2004	Erosion Mat Class I Type B	SY	240.000	240.000

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DATE 16DEC15 E S T I M A T E O F Q U A N T I T I E S

LINE 4140-20-73

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0870	628.2008	Erosion Mat Urban Class I Type B	SY	10,520.000	10,520.000
0880	628.7005	Inlet Protection Type A	EACH	58.000	58.000
0890	628.7015	Inlet Protection Type C	EACH	62.000	62.000
0900	628.7504	Temporary Ditch Checks	LF	1,030.000	1,030.000
0910	628.7555	Culvert Pipe Checks	EACH	115.000	115.000
0920	628.7560	Tracking Pads	EACH	5.000	5.000
0930	629.0210	Fertilizer Type B	CWT	55.100	55.100
0940	630.0110	Seeding Mixture No. 10	LB	510.000	510.000
0950	630.0130	Seeding Mixture No. 30	LB	875.000	875.000
0960	630.0140	Seeding Mixture No. 40	LB	5.000	5.000
0970	630.0200	Seeding Temporary	LB	2,330.000	2,330.000
0980	632.0101	Trees (species) (size) (root) 01. Crabapple, Prairifire, B&B, 2" Cal.	EACH	12.000	12.000
0990	632.0201	Shrubs (species) (size) (root) 01. Spirea, Anthony Waterer, CG, 1.5' Ht	EACH	76.000	76.000
1000	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	20.000	20.000
1010	633.1100	Delineators Temporary	EACH	80.000	80.000
1020	633.5200	Markers Culvert End	EACH	38.000	38.000
1030	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	92.000	92.000
1040	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	58.000	58.000
1050	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	4.000	4.000
1060	637.2210	Signs Type II Reflective H	SF	1,575.190	1,575.190
1070	637.2230	Signs Type II Reflective F	SF	131.750	131.750
1080	638.2601	Removing Signs Type I	EACH	1.000	1.000
1090	638.2602	Removing Signs Type II	EACH	99.000	99.000
1100	638.3000	Removing Small Sign Supports	EACH	105.000	105.000
1110	641.8100	Overhead Sign Support (structure) 01. S-15-15	LS	1.000	1.000
1120	641.8100	Overhead Sign Support (structure) 02. S-15-16	LS	1.000	1.000
1130	641.8100	Overhead Sign Support (structure) 03. S-15-17	LS	1.000	1.000
1140	641.8100	Overhead Sign Support (structure) 04. S-15-18	LS	1.000	1.000
1150	642.5401	Field Office Type D	EACH	1.000	1.000
1160	643.0100	Traffic Control (project) 01. 4140-20-73	EACH	1.000	1.000
1170	643.0300	Traffic Control Drums	DAY	15,135.000	15,135.000
1180	643.0420	Traffic Control Barricades Type III	DAY	8,112.000	8,112.000
1190	643.0705	Traffic Control Warning Lights Type A	DAY	10,464.000	10,464.000
1200	643.0715	Traffic Control Warning Lights Type C	DAY	4,620.000	4,620.000
1210	643.0900	Traffic Control Signs	DAY	6,281.000	6,281.000
1220	643.0920	Traffic Control Covering Signs Type II	EACH	4.000	4.000
1230	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000
1240	645.0120	Geotextile Fabric Type HR	SY	743.000	743.000
1250	646.0106	Pavement Marking Epoxy 4-Inch	LF	46,970.000	46,970.000
1260	646.0116	Pavement Marking Epoxy 6-Inch	LF	655.000	655.000
1270	646.0126	Pavement Marking Epoxy 8-Inch	LF	2,035.000	2,035.000
1280	646.0600	Removing Pavement Markings	LF	950.000	950.000
1290	646.0841.S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	LF	495.000	495.000
1300	646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF	1,565.000	1,565.000
1310	647.0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	2.000	2.000
1320	647.0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	2.000	2.000

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DATE 16DEC15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-73 QUANTITY
1330	647.0456	Pavement Marking Curb Epoxy	LF	75.000	75.000
1340	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	42.000	42.000
1350	647.0606	Pavement Marking Island Nose Epoxy	EACH	9.000	9.000
1360	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	535.000	535.000
1370	648.0100	Locating No-Passing Zones	MI	0.890	0.890
1380	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	2,200.000	2,200.000
1390	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	8,250.000	8,250.000
1400	649.2100	Temporary Raised Pavement Markers	EACH	45.000	45.000
1410	650.4000	Construction Staking Storm Sewer	EACH	91.000	91.000
1420	650.4500	Construction Staking Subgrade	LF	11,720.000	11,720.000
1430	650.5000	Construction Staking Base	LF	1,299.000	1,299.000
1440	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	765.000	765.000
1450	650.7000	Construction Staking Concrete Pavement	LF	10,421.000	10,421.000
1460	650.8500	Construction Staking Electrical Installations (project) 01. 4140-20-73	LS	1.000	1.000
1470	650.9910	Construction Staking Supplemental Control (project) 01. 4140-20-73	LS	1.000	1.000
1480	650.9920	Construction Staking Slope Stakes	LF	10,460.000	10,460.000
1490	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,190.000	2,190.000
1500	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	60.000	60.000
1510	653.0140	Pull Boxes Steel 24x42-Inch	EACH	20.000	20.000
1520	654.0105	Concrete Bases Type 5	EACH	19.000	19.000
1530	654.0224	Concrete Control Cabinet Bases Type L24	EACH	2.000	2.000
1540	655.0610	Electrical Wire Lighting 12 AWG	LF	2,850.000	2,850.000
1550	655.0615	Electrical Wire Lighting 10 AWG	LF	12,390.000	12,390.000
1560	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 42/57 & Michigan St.	LS	1.000	1.000
1570	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. STH 42/57 & Egg Harbor	LS	1.000	1.000
1580	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	19.000	19.000
1590	657.0322	Poles Type 5-Aluminum	EACH	19.000	19.000
1600	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	19.000	19.000
1610	659.1115	Luminaires Utility LED A	EACH	19.000	19.000
1620	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	2.000	2.000
1630	690.0150	Sawing Asphalt	LF	466.000	466.000
1640	690.0250	Sawing Concrete	LF	92.000	92.000
1650	715.0415	Incentive Strength Concrete Pavement	DOL	13,105.000	13,105.000
1660	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
1670	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,100.000	2,100.000
1680	SPV.0035	Special 01. Coloring Concrete Tan	CY	62.000	62.000
1690	SPV.0035	Special 02. Planting Soil Mix	CY	240.000	240.000
1700	SPV.0060	Special 01. Pavement Marking Grooved Preformed Thermoplastic Words	EACH	8.000	8.000
1710	SPV.0060	Special 02. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 1	EACH	7.000	7.000

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DATE 16DEC15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-73 QUANTITY
1720	SPV.0060	Special 03. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2	EACH	1.000	1.000
1730	SPV.0060	Special 04. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 3	EACH	7.000	7.000
1740	SPV.0060	Special 05. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 3R	EACH	3.000	3.000
1750	SPV.0060	Special 06. Inlets Type 2x2.5-FT Special	EACH	2.000	2.000
1760	SPV.0060	Special 07. Inlets Type 4-FT Diameter Special	EACH	2.000	2.000
1770	SPV.0060	Special 08. Adjusting Water Valve Box	EACH	3.000	3.000
1780	SPV.0060	Special 09. Panel Base	EACH	20.000	20.000
1790	SPV.0060	Special 10. Decorative Panel A	EACH	2.000	2.000
1800	SPV.0060	Special 11. Decorative Panel B	EACH	4.000	4.000
1810	SPV.0060	Special 12. Decorative Panel C	EACH	4.000	4.000
1820	SPV.0060	Special 13. Perennial, Coneflower, Purple	EACH	322.000	322.000
1830	SPV.0060	Special 14. Perennial, Switch Grass	EACH	144.000	144.000
1840	SPV.0060	Special 15. Perennial, Prairie Dropseed	EACH	814.000	814.000
1850	SPV.0075	Special 01. Street Sweeping	HRS	40.000	40.000
1860	SPV.0090	Special 01. Pavement Marking Grooved Preformed Thermoplastic Yield Line 18-INCH	LF	160.000	160.000
1870	SPV.0090	Special 02. Ditch Cleaning	LF	240.000	240.000
1880	SPV.0105	Special 01. Removing Cantilever Sign Support S-15-02	LS	1.000	1.000
1890	SPV.0105	Special 02. Remove Traffic Signal	LS	1.000	1.000
1900	SPV.0105	Special 03. Concrete Pavement Joint Layout	LS	1.000	1.000
1910	SPV.0165	Special 01. Stamping Concrete	SF	4,022.000	4,022.000
1920	SPV.0180	Special 01. Stone Mulch	SY	188.000	188.000

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REMOVALS
REMOVING PAVEMENT
SAWCUTTING

LOCATION	STATION	TO	STATION	204.0100 REMOVING PAVEMENT SY	204.0195 REMOVING CONCRETE BASES EA	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	204.0180 REMOVING DELINEATORS AND MARKERS EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	SPV.0105.02 REMOVE TRAFFIC SIGNAL LS
STH 42/57 RL	827+00		840+00	6,434	13	---	---	490	---	5	10	24	1
	840+00		855+00	5,393	---	---	---	130	---	1	---	---	---
	855+00		870+00	4,000	---	---	---	---	---	---	---	---	---
	870+00		885+00	4,000	---	---	---	---	---	---	---	---	---
	885+00		900+00	5,533	---	---	---	---	---	---	---	---	---
	900+00		915+21	5,769	---	---	---	---	129	---	6	24	---
MICHIGAN STREET	113+08		118+45	---	---	---	371	11	---	---	70	20	---
	120+24		124+61	---	---	---	213	---	---	---	54	---	---
ALABAMA STREET	218+00		218+73	---	---	---	213	---	---	---	29	---	---
	220+22		222+05	---	---	---	218	---	---	---	23	---	---
EGG HARBOR ROAD	315+50		320+71	2,746	---	---	---	---	---	1	20	24	---
BAYVIEW ROAD	402+00		406+82	---	---	---	---	---	---	---	12	---	---
UTAH STREET	17+75		22+75	---	---	---	275	104	---	---	---	---	---
EGG HARBOR CONNECTOR STAGE 3	1901+50		1921+50	---	---	6,700	---	---	---	---	242	---	---
PROJECT 4140-20-73 TOTALS (0010)				33,875	13	6,700	1,290	735	129	7	466	92	1

LOCATION	STATION	TO	STATION	214.0100 OBLITERATING OLD ROAD STA
BAYVIEW ROAD	402+20		405+80	3.6
EGG HARBOR CONNECTOR	1902+55		1904+15	1.6
	1921+00		1923+10	2.1
PROJECT 4140-20-73 TOTALS (0010)				7.3

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

REMOVING STRUCTURES AND STORM SEWER

STATION	TO	STATION	OFFSET	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0220 REMOVING INLETS EACH	204.0245 REMOVING STORM SEWER 12-INCH LF	204.0245 REMOVING STORM SEWER 18-INCH LF	204.9060.S.01 REMOVING ENDWALL 24-INCH EACH	204.9060.S.02 REMOVING ENDWALL 36-INCH EACH	SPV.0090.02 DITCH CLEANING LF	PIPE INFORMATION
828+25		---	0' LT	STH 42/57	---	1	6	---	---	---	---	---
828+25		---	8' LT	STH 42/57	---	1	48	---	---	---	---	---
834+07	--	834+37	78' LT	STH 42/57	---	---	---	---	---	---	30	---
834+07	--	834+37	49' RT	STH 42/57	---	---	---	---	---	---	30	---
834+22		---	78' LT	STH 42/57	---	---	---	---	---	1	---	---
834+85		---	20' LT	STH 42/57	---	1	8	---	---	---	---	---
834+85		---	30' LT	STH 42/57	---	1	---	56	---	---	---	---
834+95		---	0' LT	STH 42/57	---	1	26	---	---	---	---	---
839+20		---	0' LT	STH 42/57	---	1	8	---	---	---	---	---
839+20		---	10'LT	STH 42/57	---	1	---	---	---	---	---	---
839+20		---	30' LT	STH 42/57	---	1	---	56	---	---	---	---
843+90		---	0' LT	STH 42/57	---	1	36	---	---	---	---	---
843+90		---	30' LT	STH 42/57	---	1	---	52	---	---	---	---
865+99	--	866+29	55' LT	STH 42/57	---	---	---	---	---	---	30	---
865+99	--	866+29	62' RT	STH 42/57	---	---	---	---	---	---	30	---
866+14		---	55' LT	STH 42/57	---	---	---	---	1	---	---	---
871+99	--	872+29	52' LT	STH 42/57	---	---	---	---	---	---	30	---
871+99	--	872+29	58' RT	STH 42/57	---	---	---	---	---	---	30	---
872+14		---	52' LT	STH 42/57	---	---	---	---	1	---	---	---
878+00	--	878+30	58' LT	STH 42/57	---	---	---	---	---	---	30	---
878+00		878+30	59'RT	STH 42/57	---	---	---	---	---	---	30	---
878+15		---	58'LT	STH 42/57	---	---	---	---	---	---	---	---
906+70		---	65' RT	STH 42/57	1	---	---	---	---	---	---	24-INCH CMCP
118+80		---	71' LT	MICHIGAN ST	1	---	---	---	---	---	---	12-INCH CPCP
119+17		---	0' LT	MICHIGAN ST	1	---	---	---	---	---	---	36-INCH RCCP
121+58		---	36' LT	MICHIGAN ST	1	---	---	---	---	---	---	18-INCH CMCP
124+32		---	0' LT	MICHIGAN ST	1	---	---	---	---	---	---	15-INCH CMCP
220+47		---	0' LT	ALABAMA ST	1	---	---	---	---	---	---	24-INCH CMCP
319+66		---	81' LT	EGG HARBOR RD	1	---	---	---	---	---	---	18-INCH CMCP
1903+71		---	0' LT	EGG HARBOR CONNECTOR	1	---	---	---	---	---	---	15-INCH CMCP
1921+40		---	0' LT	EGG HARBOR CONNECTOR	1	---	---	---	---	---	---	24-INCH CMCP
1922+68		---	0' LT	EGG HARBOR CONNECTOR	1	---	---	---	---	---	---	24-INCH CMCP
PROJECT 4140-20-73 TOTALS (0010)					10	10	132	164	2	1	240	

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

EARTHWORK SUMMARY

Division	From/To Station	Location	Excavation Common (1) Cut (2)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor 1.33	Mass Ordinate +/- (14)	Waste	Borrow (item #208.0100)	Comment:
1	17+75.00 - 22+75.00	UTAH STREET	40	40	0	0	0	0	0	0	
Division 1 Subtotal			40	40	0	0	0	0	0	-	
1	827+00.00 - 838+00.17	STH 42/57 NB	2,034	691	1,343	28	37	1,306	1,306	0	
2	839+65.10 - 905+64.26	STH 42/57 NB	12,581	4,305	8,276	4,374	5,817	2,459	2,459	0	
3	907+32.15 - 915+21.45	STH 42/57 NB	1,307	341	966	1,165	1,549	-583	-583	0	
4	827+93.83 - 838+02.40	STH 42/57 SB	2,235	956	1,279	619	823	456	456	0	
5	839+75.93 - 847+68.09	STH 42/57 SB	5,443	710	4,733	2	3	4,730	4,730	0	
6	876+61.47 - 905+69.89	STH 42/57 SB	4,936	1,815	3,121	5,190	6,903	-3,782	-3,782	0	
7	907+39.93 - 915+21.37	STH 42/57 SB	2,837	631	2,206	65	86	2,120	2,120	0	
8	115+60.00 - 124+69.13	MICHIGAN EB	809	249	560	619	823	-263	-263	0	
9	113+08.57 - 122+18.00	MICHIGAN WB	319	116	203	443	589	-386	-386	0	
10	500+00.00 - 503+80.13	MICHIGAN ICD	697	576	121	700	931	-810	-810	0	
11	171+78.61 - 172+51.93	MICHIGAN NE CURB	73	0	73	202	269	-196	-196	0	
12	142+40.18 - 143+19.41	MICHIGAN SE CURB	192	0	192	79	105	87	87	0	
13	151+30.04 - 152+12.86	MICHIGAN SW CURB	384	0	384	50	67	318	318	0	
14	162+51.84 - 163+40.49	MICHIGAN NW CURB	553	0	553	169	225	328	328	0	
15	218+00.00 - 222+05.00	ALABAMA STREET	1,174	201	973	265	352	621	621	0	
16	315+50.00 - 320+07.06	EGG HARBOR EB	681	227	454	113	150	304	304	0	
17	315+50.00 - 320+11.10	EGG HARBOR WB	1,698	329	1,369	229	305	1,064	1,064	0	
18	600+00.00 - 603+80.13	EGG HARBOR ICD	1,059	432	627	129	172	455	455	0	
19	342+40.71 - 344+44.89	EGG HARBOR EAST CURB	83	0	83	1,276	1,697	-1,614	-1,614	0	
20	361+27.82 - 362+08.08	EGG HARBOR SW CURB	35	0	35	566	753	-718	-718	0	
21	381+08.59 - 381+91.94	EGG HARBOR NW CURB	1,200	0	1,200	422	561	639	639	0	
22	402+17.00 - 406+82.41	BAYVIEW ROAD	613	0	613	1,108	1,474	-861	-861	0	
Division 2 Subtotal			40,943	11,579	29,364	17,813	23,691	5,673	5,673	-	
1	17+75.00 - 22+75.00	UTAH STREET	36	36	0	0	0	0	0	0	
Division 3 Subtotal			36	36	0	0	0	0	0	0	
PROJECT 4140-20-73 TOTALS (0010)			40,979	11,615	29,364	17,813	23,691	5,673	5,673	0	
			Total Common Exc								

1) Excavation Common equals the Cut column. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusable Pavement Material
13) Expanded Fill Factor = 1.33
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER MANHOLES AND INLETS

LOCATION				611.1006	SPV.0060.06	611.3230	611.3003	611.3004	SPV.0060.07	611.0600	611.0624	611.0627	611.0630	611.0652	611.0666				650.4000*
				CATCH BASINS	INLETS 2x2.5-FT	INLETS			INLETS 4-FT DIAMETER	INLET COVERS TYPE						RIM	FLOW	STRUCTURE	CONSTRUCTION STAKING
STRUCTURE NO.	STATION	OFFSET FT		6-FT DIAMETER EACH	SPECIAL EACH	2X3-FT EACH	3-FT DIA EACH	4-FT DIA EACH	SPECIAL EACH	A EACH	H EACH	HM EACH	HM-GJ EACH	T EACH	Z EACH	ELEV. FT	LINE	DEPTH FT	STORM SEWER EACH
1.1	833+99.69	13.9	LT	--	--	1	--	--	--	--	--	1	--	--	--	620.44	616.25	3.35	1
1.2	834+14.65	2.7	LT	--	--	1	--	--	--	--	--	1	--	--	--	620.63	616.27	3.52	1
1.3	833+99.94	3.8	LT	--	--	1	--	--	--	--	--	1	--	--	--	620.48	616.20	3.44	1
3.1	838+39.13	15.5	LT	--	--	--	1	--	--	--	--	--	--	--	1	625.35	620.80	3.63	1
3.2	838+25.67	9.8	LT	--	1	--	--	--	--	--	--	--	--	1	--	624.99	620.72	3.35	1
3.3	838+35.36	29.8	LT	--	--	--	1	--	--	--	--	--	--	--	1	625.51	620.70	3.89	1
3.4	838+21.17	28.8	LT	--	--	--	--	--	1	--	--	--	--	1	--	625.07	620.63	3.52	1
3.5	837+98.18	27.9	LT	--	--	--	--	1	--	--	1	--	--	--	--	625.41	620.51	4.06	1
3.6	837+78.80	92.2	LT	--	--	1	--	--	--	--	1	--	--	--	--	625.38	620.18	4.36	1
4.1	120+55.17	11.3	RT	--	--	--	1	--	--	1	--	--	--	--	--	625.80	621.50	3.38	1
4.2	120+79.92	26.9	LT	--	--	--	--	1	--	--	1	--	--	--	--	625.68	621.27	3.57	1
5.1	121+08.85	1.2	RT	--	--	--	1	--	--	1	--	--	--	--	--	624.66	620.27	3.47	1
5.2	121+09.44	9.0	RT	--	--	--	--	1	--	--	1	--	--	--	--	624.57	620.23	3.50	1
6.1	118+32.40	65.6	LT	--	--	--	1	--	--	1	--	--	--	--	--	627.94	622.50	4.52	1
6.2	118+30.73	2.6	LT	--	--	--	--	1	--	--	1	--	--	--	--	627.21	622.18	4.11	1
8.1	839+50.96	8.4	RT	--	--	--	1	--	--	1	--	--	--	--	--	627.89	624.13	2.84	1
8.2	839+93.84	13.1	RT	--	--	--	--	1	--	--	1	--	--	--	--	628.43	623.92	3.67	1
8.3	839+95.14	11.8	LT	--	--	--	--	1	--	--	1	--	--	--	--	629.11	623.79	4.48	1
8.4	840+09.72	41.6	LT	--	--	1	--	--	--	--	1	--	--	--	--	628.73	623.63	4.26	1
8.5	839+42.34	125.1	LT	--	--	--	--	1	--	--	1	--	--	--	--	627.95	623.53	3.58	1
8.6	118+75.33	58.1	LT	--	--	--	--	1	--	--	1	--	--	--	--	627.92	623.63	3.45	1
8.7	838+79.62	124.8	LT	--	--	--	--	1	--	--	1	--	--	--	--	627.43	623.84	2.75	1
8.8	118+67.57	13.1	LT	--	--	--	1	--	--	1		--	--	--	--	627.12	623.88	2.32	1
8.9	839+86.31	56.0	LT	1	--	--	--	--	--	--	1	--	--	--	--	628.22	623.12	4.26	1
9.1	883+88.34	9.2	LT	--	--	1	--	--	--	--	--	1	--	--	--	665.36	660.85	3.67	1
9.2	883+88.70	9.3	RT	--	--	1	--	--	--	--	--	1	--	--	--	665.27	660.76	3.67	1
9.3	880+31.99	2.1	LT	--	--	1	--	--	--	--	--	1	--	--	--	655.81	651.00	3.97	1
9.4	880+32.01	2.1	RT	--	--	1	--	--	--	--	--	1	--	--	--	655.71	650.97	3.90	1
10.1	887+88.26	14.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	675.99	671.23	3.92	1
10.2	887+88.31	14.5	LT	--	--	1	--	--	--	--	--	1	--	--	--	676.09	671.08	4.17	1
11.1	893+39.32	5.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	685.51	680.27	4.40	1
11.2	892+88.40	8.8	RT	--	--	1	--	--	--	--	--	1	--	--	--	685.30	680.00	4.46	1
11.3	892+89.47	14.5	RT	--	--	--	--	1	--	--	--	1	--	--	--	685.39	679.97	4.58	1
11.4	892+52.55	45.7	RT	--	--	--	--	1	--	--	--	--	1	--	--	684.87	679.73	4.30	1
11.5	891+64.57	18.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	683.90	679.43	3.63	1
SUBTOTALS				1	1	14	7	11	1	5	12	13	1	2	2				35

* - ADDITIONAL QUANTITIES ELSEWHERE

(CONTINUED ON NEXT PAGE)

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER MANHOLES AND INLETS

LOCATION		OFFSET		611.1006 CATCH BASINS 6-FT DIAMETER	SPV.0060.06 INLETS 2x2.5-FT SPECIAL	611.3230 INLETS 2X3-FT	611.3003 INLETS 3-FT DIA	611.3004 INLETS 4-FT DIA	SPV.0060.07 INLETS 4-FT DIAMETER SPECIAL	611.0600 INLET COVERS TYPE A	611.0624 INLET COVERS TYPE H	611.0627 INLET COVERS TYPE HM	611.0630 INLET COVERS TYPE HM-GJ	611.0652 INLET COVERS TYPE T	611.0666 INLET COVERS TYPE Z	RIM ELEV.	FLOW LINE	STRUCTURE DEPTH	650.4000* CONSTRUCTION STAKING STORM SEWER
STRUCTURE NO.	STATION	FT		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT		FT	EACH
11.6	891+64.56	46.0	RT	--	--	--	--	1	--	--	--	1	--	--	--	683.63	679.29	3.50	1
11.8	893+39.37	14.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	685.75	680.22	4.69	1
11.9	891+64.45	9.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	683.63	679.47	3.32	1
13.1	902+38.16	13.5	LT	--	--	1	--	--	--	--	--	1	--	--	--	683.76	678.49	4.43	1
13.2	902+38.53	10.1	RT	--	--	1	--	--	--	--	--	1	--	--	--	683.64	677.38	5.42	1
14.1	905+60.34	38.3	LT	--	--	--	1	--	--	1	--	--	--	--	--	678.11	673.04	4.15	1
14.2	905+54.72	45.7	LT	--	--	--	--	1	--	--	1	--	--	--	--	677.63	673.00	3.79	1
14.3	905+29.66	42.1	LT	--	--	--	--	1	--	--	1	--	--	--	--	677.96	672.88	4.24	1
14.4	905+44.93	2.6	RT	--	--	1	--	--	--	--	1	--	--	--	--	677.69	672.82	4.03	1
14.5	905+25.55	8.6	LT	--	--	--	--	1	--	--	1	--	--	--	--	678.13	672.70	4.59	1
14.6	905+08.94	20.4	RT	--	--	1	--	--	--	--	1	--	--	--	--	677.62	672.54	4.24	1
15.1	320+14.77	11.4	LT	--	--	1	--	--	--	--	1	--	--	--	--	675.99	670.88	4.27	1
15.2	319+93.12	37.8	RT	--	--	--	--	1	--	--	1	--	--	--	--	675.54	670.61	4.09	1
16.1	319+13.80	7.0	LT	--	--	1	--	--	--	--	1	--	--	--	--	674.19	669.78	3.57	1
16.2	319+14.02	0.2	RT	--	--	1	--	--	--	--	1	--	--	--	--	674.42	669.74	3.84	1
18.1	906+74.02	17.0	LT	--	--	--	1	--	--	--	--	--	--	--	1	675.32	670.33	4.07	1
18.2	906+77.12	4.7	RT	--	--	--	1	--	--	--	--	--	--	--	1	674.96	670.22	3.82	1
18.3	906+87.90	19.9	LT	--	1	--	--	--	--	--	--	--	--	1	--	674.49	670.28	3.29	1
18.4	906+91.16	5.0	RT	--	--	--	--	--	1	--	--	--	--	1	--	674.31	670.15	3.24	1
18.5	907+14.56	3.3	RT	--	--	--	--	1	--	--	1	--	--	--	--	675.25	670.03	4.38	1
18.6	907+24.44	77.3	RT	--	--	--	--	1	--	--	1	--	--	--	--	673.81	669.66	3.31	1
19.1	911+15.43	1.5	RT	--	--	1	--	--	--	--	--	1	--	--	--	669.35	664.98	3.53	1
19.2	911+15.38	8.6	RT	--	--	1	--	--	--	--	--	1	--	--	--	669.04	664.94	3.26	1
SUBTOTALS				0	1	11	3	7	1	1	11	7	0	2	2				23
PROJECT 4140-20-73 TOTALS (0010)				1	2	25	10	18	2	6	23	20	1	4	4				58

* - ADDITIONAL QUANTITIES ELSEWHERE

NOTES:

1. STATIONS AND OFFSETS ARE TO THE CENTER OF MANHOLE STRUCTURES AND THE APRON END OF ENDWALLS.
2. STATIONS AND OFFSETS ARE TO THE FLOWLINE OF INLET STRUCTURES.
3. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
4. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES
5. STR DEPTH = RIM ELEV - INLET ELEV - CASTING HEIGHT ADJUSTMENT
6. OFFSETS TO STORM SEWER ENDWALLS ARE SHOWN ON THE STORM SEWER PLANS.
7. ITEMS MARKED "TBD" ARE TO BE DETERMINED BY IN FIELD BY SITE ENGINEER.

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER PIPES AND ENDWALLS

LOCATION STRUCTURE FROM NO.	LOCATION STRUCTURE TO NO.	INLET ELEV. FT	OUTLET ELEV. FT	SLOPE	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	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	521.1015 APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	633.5200* MARKERS CULVERT END EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH	JOINT TIES (NON-BID ITEM) (FOR INFORMATION ONLY) EACH
1.1	1.3	616.25	616.20	0.50%	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1.2	1.3	616.27	616.20	0.50%	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1.3	1.4	616.20	615.99	0.50%	42	--	--	--	--	--	--	1	--	--	--	--	1	1	4
2.3	2.4	624.54	624.39	0.89%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.1	3.2	620.80	620.73	0.50%	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.2	3.4	620.73	620.63	0.50%	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.3	3.4	620.70	620.63	0.50%	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.4	3.5	620.63	620.51	0.50%	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.5	3.6	620.51	620.18	0.50%	67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.6	3.7	620.18	620.01	0.50%	33	--	--	--	--	--	--	1	--	--	--	--	1	1	4
4.1	4.2	621.50	621.27	0.50%	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4.2	4.3	621.27	621.12	0.50%	30	--	--	--	--	--	--	1	--	--	--	--	1	1	4
5.1	5.2	620.27	620.23	0.50%	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5.2	5.3	620.23	620.00	0.50%	46	--	--	--	--	--	--	1	--	--	--	--	1	1	4
6.1	6.2	622.50	622.18	0.50%	63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6.2	6.3	622.18	622.00	0.51%	35	--	--	--	--	--	--	1	--	--	--	--	1	1	4
7.1	7.2	623.00	621.00	1.23%	--	--	--	--	163	--	--	--	--	--	--	2	2	2	8
8.1	8.2	624.14	623.92	0.50%	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.2	8.3	623.92	623.79	0.50%	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.3	8.4	623.79	623.63	0.50%	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.4	8.9	623.63	623.49	0.50%	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.5	8.9	623.53	623.12	0.50%	82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.6	8.5	623.63	623.53	0.50%	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.7	8.6	623.84	623.63	0.50%	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.8	8.7	623.88	623.84	0.50%	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8.9	8.10	623.12	623.00	0.35%	--	--	34	--	--	--	--	--	--	1	--	--	1	1	4
9.1	9.2	660.85	660.76	0.50%	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9.2	9.6	660.76	660.56	0.50%	40	--	--	--	--	--	--	1	--	--	--	--	1	1	4
9.3	9.4	651.00	650.98	0.50%	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9.4	9.5	650.98	650.78	0.50%	40	--	--	--	--	--	--	1	--	--	--	--	1	1	4
10.1	10.2	671.22	671.08	0.50%	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10.2	10.3	671.08	670.87	0.50%	41	--	--	--	--	--	--	1	--	--	--	--	1	1	4
11.1	11.8	680.27	680.22	0.50%	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.2	11.3	680.00	679.97	0.50%	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.3	11.4	679.97	679.73	0.50%	48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.4	11.6	679.73	679.29	0.50%	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.5	11.6	679.43	679.29	0.50%	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.6	11.7	679.29	679.23	0.50%	--	13	--	--	--	--	--	--	1	--	--	--	1	1	4
11.8	11.3	680.22	679.97	0.50%	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.9	11.5	679.48	679.43	0.50%	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SUBTOTALS					1,158	13	34	0	163	0	0	8	1	1	0	2	12	12	48

(CONTINUED ON NEXT PAGE)

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STORM SEWER PIPES AND ENDWALLS

LOCATION STRUCTURE FROM NO.	TO NO.	INLET ELEV. FT	OUTLET ELEV. FT	SLOPE	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	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	521.1015 APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	633.5200* MARKERS CULVERT END EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH	JOINT TIES (NON-BID ITEM) (FOR INFORMATION ONLY) EACH
12.1	12.2	680.56	679.74	0.88%	--	--	--	92	--	--	--	--	--	--	2	--	2	2	8
13.1	13.2	678.50	678.38	0.50%	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13.2	13.3	677.38	677.09	0.50%	58	--	--	--	--	--	--	1	--	--	--	--	1	1	4
14.1	14.2	673.05	673.00	0.50%	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.2	14.3	673.00	672.87	0.50%	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.3	14.5	672.87	672.70	0.50%	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.4	14.5	672.82	672.70	0.50%	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.5	14.6	672.70	672.54	0.50%	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14.6	14.7	672.54	672.28	0.50%	--	52	--	--	--	--	--	--	1	--	--	--	1	1	4
15.1	15.2	670.88	670.61	0.50%	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15.2	15.3	670.61	670.44	0.50%	34	--	--	--	--	--	--	1	--	--	--	--	1	1	4
16.1	16.2	669.77	669.74	0.50%	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16.2	16.3	669.74	669.50	0.50%	47	--	--	--	--	--	--	1	--	--	--	--	1	1	4
17.1	17.2	671.10	670.62	1.00%	--	--	--	47	--	--	--	--	--	--	2	--	2	2	8
18.1	18.2	670.33	670.22	0.50%	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18.2	18.4	670.22	670.15	0.50%	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18.3	18.4	670.28	670.15	0.50%	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18.4	18.5	670.15	670.03	0.50%	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18.5	18.6	670.03	669.66	0.50%	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18.6	18.7	669.66	669.49	0.51%	--	33	--	--	--	--	--	--	1	--	--	--	1	1	4
19.1	19.2	664.98	664.94	0.50%	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19.2	19.3	664.94	664.73	0.50%	42	--	--	--	--	--	--	1	--	--	--	--	1	1	4
20.1	20.2	612.50	612.26	0.44%	54	--	--	--	--	--	--	2	--	--	--	--	2	2	8
21.1	21.2	613.00	612.00	1.27%	--	79	--	--	--	--	--	--	2	--	--	--	2	2	8
22.1	22.2	624.86	624.59	0.64%	--	--	--	--	--	1	--	--	--	--	--	--	1	1	--
23.1	23.2	615.13	614.63	1.78%	28	--	--	--	--	--	--	2	--	--	--	--	2	2	8
ENDWALL REPLACEMENT																			
STATION	OFFSET																		
834+22	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	1	2
866+01	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	1	2
872+02	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	1	2
878+03	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--
1903+71	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
SUBTOTALS					638	164	0	139	0	1	1	8	4	0	6	1	25	20	70
PROJECT 4140-20-73 TOTALS (0010)					1,796	177	34	139	163	1	1	16	5	1	6	3	37	32	118

* - ADDITIONAL QUANTITIES ELSEWHERE

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

STORM SEWER PIPES AND ENDWALLS

LOCATION STRUCTURE FROM NO.	TO NO.	INLET ELEV. FT	OUTLET ELEV. FT	SLOPE	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	530.0124 CULVERT PIPE CORRUGATED POLYETHYLENE 24-INCH LF	633.5200* MARKERS CULVERT END EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH
2.3	2.4	624.54	624.39	0.89%	1	17	1	1
PROJECT 4140-20-73 TOTALS (0010)					1	17	1	1

* - ADDITIONAL QUANTITIES ELSEWHERE

ADJUSTING STRUCTURES

ROADWAY	STRUCTURE	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
MICHIGAN STREET	2.1	--	1
MICHIGAN STREET	2.2	1	--
MICHIGAN STREET	2.3	--	1
PROJECT 4140-20-73 TOTALS (0010)		1	2

3

STORM SEWER NOTES:

1. STATIONS AND OFFSETS ARE TO THE CENTER OF MANHOLE STRUCTURES AND THE APRON END OF ENDWALLS.
2. STATIONS AND OFFSETS ARE TO THE FLOWLINE OF INLET STRUCTURES.
3. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
4. RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES
5. STR DEPTH = RIM ELEV - INLET ELEV - CASTING HEIGHT ADJUSTMENT
6. OFFSETS TO STORM SEWER ENDWALLS ARE SHOWN ON THE STORM SEWER PLANS.
7. JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS IN ACCORDANCE TO SDD "JOINT TIES FOR CONCRETE PIPE" . THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

BASE AGGREGATE DENSE
HMA PAVEMENT
ASPHALTIC SURFACE

STATION	TO STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4 - INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4 - INCH TON	455.0105 ASPHALTIC MATERIAL PG58-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1101 HMA PAVEMENT TYPE E-1 TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
827+00	838+00	STH 42/57	189	3,433	10	---	174	---	---	---	---
839+65	840+00	STH 42/57	0	130	---	---	---	---	---	---	---
840+00	855+00	STH 42/57	278	4,443	14	---	254	---	---	---	---
855+00	870+00	STH 42/57	313	4,101	16	---	280	---	---	---	---
870+00	885+00	STH 42/57	313	4,521	16	---	280	---	---	---	---
885+00	900+00	STH 42/57	276	5,660	12	---	206	---	---	---	---
900+00	905+62	STH 42/57	75	1,968	4	---	62	---	---	---	---
907+32	915+21	STH 42/47	119	2,427	6	---	100	---	---	---	---
113+08	118+74	MICHIGAN STREET	---	654	---	---	---	---	---	---	---
120+65	124+69	MICHIGAN STREET	17	503	4	---	65	---	---	---	---
500+00	503+80	MICHIGAN STREET ICD	---	1,043	---	---	---	---	---	---	---
402+00	406+82	BAYVIEW ROAD	45	1,283	25	60	---	444	---	17	---
218+00	219+56	ALABAMA STREET	12	661	16	36	---	277	---	---	---
220+20	222+05	ALABAMA STREET	12	647	16	38	---	285	---	13	---
315+50	320+07	EGG HARBOR ROAD	35	1,262	5	---	81	---	---	---	---
600+00	603+80	EGG HARBOR ROAD ICD	---	953	---	---	---	---	---	---	---
17+75	22+75	UTAH STREET	---	276	---	---	---	---	22	---	77
1900+00	1925+00	EGG HARBOR CONNECTOR (STAGE 3)	10	---	45	167	---	801	---	---	---
PROJECT ID 4140-20-73 SUBTOTALS (0010)			1,694	33,965	189	301	1,502	1,807	22	30	77
113+08	115+60		---	84	---	---	---	---	---	---	---
PROJECT ID 4140-20-73 SUBTOTALS (0020)			0	84	0	0	0	0	0	0	0
PROJECT ID 4140-20-73 TOTALS			1,694	34,049	189	301	1,502	1,807	22	30	77

DUST CONTROL AND WATER

ROADWAY	STATION	- STATION	DESCRIPTION	624.0100 WATER MGAL
STH 42/57 AND SIDE ROADS	827+00	915+21	EXCAVATION	80
	827+00	915+21	BASE AGGREGATE	75
	827+00	915+21	SEEDING	1,645
PROJECT 4140-20-73 TOTALS (0010)				1,800

APPLICATION RATES:

2 GAL / TON BASE COURSE CABC
2 GAL / CY COMMON EXCAVATION OR BORROW
5.5 GAL / SY SEEDING * 4 WEEKS

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

CONCRETE PAVEMENT ITEMS

STATION	TO	STATION	LOCATION	405.0100 COLORING * CONCRETE RED CY	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1090 CONCRETE PAVEMENT HES 9-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0512 CONCRETE ROUNDABOUT TRUCK APRON 12-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1110 CONCRETE SHOULDER RUMBLE STRIPS LF
827+00		838+00	STH 42/57	---	4,870	---	---	---	---	---	16	1,810
839+65		840+00	STH 42/57	---	220	---	---	---	---	---	---	---
840+00		855+00	STH 42/57	---	5,890	---	---	---	---	---	---	2,670
855+00		870+00	STH 42/57	---	4,670	---	---	---	---	---	---	3,000
870+00		885+00	STH 42/57	---	5,390	---	---	---	---	---	---	3,000
885+00		900+00	STH 42/57	---	8,080	---		---	---	---	---	1,834
892+30		892+60	STH 42/57 AT ALABAMA STREET - STAGE 2	---	---	2	160	---	---	---	---	---
892+30		892+60	STH 42/57 MEDIAN - STAGE 3	---	---	---	135	---	---	---	---	---
900+00		905+62	STH 42/57	---	3,160	---	---	---	---	---	---	744
907+32		915+21	STH 42/57	---	3,665	---	---	---	---	---	16	1,150
113+08		118+74	MICHIGAN STREET	---	1,260	---	---	40	---	---	---	---
120+65		124+69	MICHIGAN STREET	---	1,250	---	---	---	---	---	---	---
500+00		503+80	MICHIGAN STREET ICD	144	1,870	---	---	---	432	---	---	---
315+50		320+07	EGG HARBOR ROAD	---	1,580	---	---	---	---	---	16	---
600+00		603+80	EGG HARBOR ROAD ICD	144	1,780	---	---	68	432	---	---	---
17+75		22+75	UTAH STREET	---	---	---	---	---	---	34	---	---
PROJECT ID 4140-20-73 TOTALS (0010)				288	43,685	2	295	108	864	34	48	14,208

*-ADDITIONAL QUANTITIES ELSEWHERE

CONCRETE CURB AND GUTTER CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	601.0405 18-INCH TYPE A LF	601.0409 30-INCH TYPE A LF	601.0415 6-INCH SLOPED 30-INCH TYPE J LF	601.0551 4-INCH SLOPED 36-INCH TYPE A LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0580 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELDS NATURAL PATINA SF	620.0100 CONCRETE CORRUGATED MEDIAN SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
				CONCRETE CURB AND GUTTER											
827+00		838+00	STH 42/57	5	---	720	---	590	---	---	61	2,450	64	---	68
839+65		840+00	STH 42/57	---	---	140	---	---	---	---	66	1,790	64	---	---
840+00		855+00	STH 42/57	---	---	490	---	635	---	---	---	880	---	---	66
855+00		870+00	STH 42/57	---	---	---	---	---	---	---	---	---	---	---	---
870+00		885+00	STH 42/57	---	---	---	---	925	---	---	---	440	---	---	50
885+00		900+00	STH 42/57	8	---	---	---	3,135	---	---	---	2,540	---	2,000	300
900+00		905+62	STH 42/57	---	---	625	---	845	---	---	79	2,310	64	---	---
907+32		915+21	STH 42/57	5	---	680	---	530	---	---	79	2,560	64	---	70
115+60		118+74	MICHIGAN STREET	---	---	850	---	---	---	---	64	4,960	64	---	70
120+65		124+69	MICHIGAN STREET	3	---	320	---	---	---	---	37	1,840	64	---	70
500+00		503+80	MICHIGAN STREET ICD	---	280	470	---	---	---	370	---	4,960	---	---	320
218+00		219+56	ALABAMA STREET	5	---	---	110	---	165	---	---	470	---	---	110
220+44		222+05	ALABAMA STREET	---	---	---	100	---	165	---	---	435	---	---	115
315+50		320+07	EGG HARBOR ROAD	---	---	495	---	---	---	---	54	2,980	64	---	70
600+00		603+80	EGG HARBOR ROAD ICD	5	280	480	---	---	---	370	---	5,040	---	---	245
17+75		22+75	UTAH STREET	---	---	---	225	---	---	---	---	935	---	---	140
PROJECT ID 4140-20-73 SUBTOTALS (0010)				31	560	5,270	435	6,660	330	740	440	34,590	448	2,000	1,694
113+08		115+60	MICHIGAN STREET	---	---	---	---	---	---	---	---	1,130	---	---	---
PROJECT ID 4140-20-73 SUBTOTALS (0020)				0	0	0	0	0	0	0	0	1,130	0	0	0
PROJECT ID 4140-20-73 TOTALS				31	560	5,270	435	6,660	330	740	440	35,720	448	2,000	1,694

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

EROSION CONTROL ITEMS

STATION	TO	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	645.0120 GEOTEXTILE FABRIC TYPE HR SY
STAGE 1												
UTAH STREET												
17+75		22+75	RT	---	200	200	---	5	---	---	---	---
STAGE 2												
STH 42/57												
827+00	--	840+00	LT	6	---	---	11	11	60	12	1	34
827+00	--	840+00	RT	6	140	140	3	3	48	---	---	34
840+00	--	855+00	LT	3	---	----	1	1	84	---	---	12
840+00	--	855+00	RT	---	1,320	1,320	---	---	12	---	---	---
855+00	--	870+00	LT	---	---	---	---	---	60	9	---	---
855+00	--	870+00	RT	---	1,130	1,130	---	---	24	---	---	---
870+00	--	885+00	LT	---	1,040	1,040	2	2	24	18	---	---
870+00	--	885+00	RT	6	1,520	1,520	2	2	---	---	---	24
885+00	--	900+00	LT	6	690	690	1	1	60	---	---	24
885+00	--	900+00	RT	12	210	210	9	9	60	---	---	46
900+00	--	914+94	LT	3	670	670	9	9	48	---	1	22
900+00	--	914+94	RT	15	---	---	8	8	72	9	---	70
MICHIGAN STREET												
115+60	--	RAB	LT	---	290	290	8	7	12	12	---	---
115+60	--	RAB	RT	9	250	250	1	1	24	---	---	36
RAB	--	124+50	LT	6	100	100	---	---	24	6	1	34
RAB	--	124+50	RT	6	110	110	---	---	36	4	---	34
BAYVIEW ROAD												
402+00	--	406+82	LT	---	---	---	---	---	36	---	---	---
402+00	--	406+82	RT	---	500	500	---	---	---	6	---	---
ALABAMA STREET												
218+00	--	219+56	LT	3	---	---	---	---	12	---	---	22
218+00	--	219+56	RT	3	---	---	---	---	12	---	---	22
220+20	--	222+05	LT	17	---	---	---	---	12	9	1	48
220+20	--	222+05	RT	23	40	40	---	---	12	---	---	63
EGG HARBOR ROAD												
315+50	--	RAB	LT	3	520	520	1	1	---	---	1	22
315+50	--	RAB	RT	9	350	350	2	2	12	---	---	46
STAGE 3												
EGG HARBOR CONNECTOR												
1900+00		1925+00	LT	---	---	---	---	---	60	4	---	---
1900+00		1925+00	RT	---	---	---	---	---	36	---	---	---
UNDISTRIBUTED				37	2,270	2,270	---	---	190	26	---	150
PROJECT ID 4140-20-73 TOTAL (0010)				173	11,350	11,350	58	62	1,030	115	5	743

TRACKING PADS TO BE LOCATED IN THE FIELD BY CONTRACTOR.

EROSION CONTROL ITEMS

STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
1	1	1
2	1	3
3	1	2
PROJECT ID 4140-20-73 TOTAL (0010)	3	6

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

LANDSCAPING

STATION	TO	STATION	OFFSET	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB
STH 42/57													
827+00	--	840+00	LT	3,666	1,265	4,281	---	650	3.1	36	41	---	133
827+00	--	840+00	RT	3,886	---	3,556	---	330	2.4	29	31	---	105
840+00	--	855+00	LT	4,806	1,255	5,671	---	390	3.8	49	44	---	164
840+00	--	855+00	RT	2,604	---	2,339	---	265	1.6	6	39	---	70
855+00	--	870+00	LT	2,330	---	2,330	---	---	1.5	---	42	---	63
855+00	--	870+00	RT	2,286	---	2,286	---	---	1.4	---	41	---	62
870+00	--	885+00	LT	2,150	2,515	4,405	---	260	2.9	22	54	---	126
870+00	--	885+00	RT	2,410	2,715	4,865	---	260	3.2	28	54	---	138
885+00	--	900+00	LT	---	6,350	4,840	---	1,510	4.0	35	68	---	171
885+00	--	900+00	RT	---	6,205	4,715	---	1,490	3.9	33	68	---	167
900+00	--	914+94	LT	3,971	2,795	5,651	---	1,115	4.3	52	53	---	183
900+00	--	914+94	RT	2,036	4,295	4,996	---	1,335	4.0	47	52	---	171
DITCH CLEANING LOCATIONS				---	---	---	240	---	---	---	---	---	---
MICHIGAN STREET													
115+60	--	RAB	LT	751	---	591	---	160	0.5	1	9	4	20
115+60	--	RAB	RT	864	---	574	---	290	0.5	6	8	---	23
RAB	--	124+50	LT	777	---	687	---	90	0.5	4	8	---	21
RAB	--	124+50	RT	822	---	742	---	80	0.5	4	9	---	22
BAYVIEW ROAD													
402+00	--	406+82	LT	690	---	690	---	---	0.4	---	12	---	19
402+00	--	406+82	RT	701	---	701	---	---	0.4	---	13	---	19
ALABAMA STREET													
218+00	--	219+56	LT	151	---	151	---	---	0.1	---	3	---	4
218+00	--	219+56	RT	202	---	202	---	---	0.1	1	3	---	5
220+20	--	222+05	LT	159	---	159	---	---	0.1	---	3	---	4
220+20	--	222+05	RT	309	---	309	---	---	0.2	2	3	---	8
EGG HARBOR ROAD													
315+50	--	RAB	LT	1,532	---	1,462	---	70	1.0	13	11	---	41
315+50	--	RAB	RT	746	---	626	---	120	0.5	3	10	---	20
EGG HARBOR CONNECTOR (STAGE 3)													
1900+00	--	1925+00	LT	1,963	---	1,963	---	---	1.2	19	10	---	53
1900+00	--	1925+00	RT	1,844	---	1,844	---	---	1.2	16	12	---	50
UNDISTRIBUTED				4,169	0	1,824	0	2,105	11.8	104	174	1	468
PROJECT ID 4140-20-73 TOTAL (0010)				45,825	27,395	62,460	240	10,520	55.1	510	875	5	2,330

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

TRAFFIC CONTROL

LOCATION	ESTIMATED DURATION TIME	643.0100 TRAFFIC CONTROL (PROJECT) 4140-20-73	643.0300 TRAFFIC CONTROL DRUMS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	643.0900 TRAFFIC CONTROL SIGNS	643.1050 TRAFFIC CONTROL SIGNS PCMS	COMMENTS
	DAYS	EACH	DAYS	DAYS	DAYS	DAYS	DAYS	DAY	
STAGE 1									
STH 42/57	4	---	---	---	---	---	---	---	
UTAH STREET	4	---	---	---	---	---	---	---	
MICHIGAN STREET	4	---	---	---	---	---	---	---	
BAYVIEW ROAD	4	---	---	---	---	---	---	---	
ALABAMA STREET	4	---	---	---	---	---	---	---	
EGG HARBOR CONNECTOR	4	---	100	---	---	---	96	21	PCMS BOARDS SHOULD BE SET 7 DAYS IN ADVANCE OF SHOULDER CLOSURE
STAGE 2									
STH 42/57	90	---	---	---	---	---	---	---	
UTAH STREET	90	---	---	2,520	2,700	---	360	---	
MICHIGAN STREET	90	---	---	810	990	---	540	---	
BAYVIEW ROAD	90	---	---	360	450	---	180	---	
ALABAMA STREET	90	---	---	1,980	2,160	---	360	---	
EGG HARBOR CONNECTOR	90	---	5,400	2,160	3,600	1,800	2,160	---	
STAGE 3									
STH 42/57	47	---	8,460	282	564	2,820	1,081	---	
UTAH STREET	47	---	---	---	---	---	---	---	
MICHIGAN STREET	47	---	---	---	---	---	---	---	
BAYVIEW ROAD	47	---	---	---	---	---	---	---	
ALABAMA STREET	47	---	---	---	---	---	---	---	
EGG HARBOR CONNECTOR	47	---	1,175	---	---	---	1,504	---	
PROJECT 4140-20-73 TOTAL (0010)		1	15,135	8,112	10,464	4,620	6,281	21	

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

REMOVING PAVEMENT MARKING
TEMPORARY PAVEMENT MARKING

LOCATION	STATION	TO	STATION	633.1100 DELINEATORS TEMPORARY EACH	646.0600 REMOVING PAVEMENT MARKINGS LF	649.0403 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH CENTERLINE YELLOW LF	649.0403 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH EDGE LINE WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH CENTERLINE YELLOW LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGE LINE WHITE LF	649.2100 TEMPORARY RAISED PAVEMENT MARKERS EACH
STAGE 1										
UTAH STREET	17+75	-	22+75	---	145	---	---	900	---	---
EGG HARBOR CONNECTOR	1900+00	-	1925+00	80	805	4,100	4,150	700	600	45
SUBTOTALS				80	950	4,100	4,150	1,600	600	45
PROJECT 4140-20-73 TOTALS (0010)				80	950	8,250		2,200		45

COVERING SIGNS FOR TRAFFIC CONTROL

LOCATION	STATION	TO	STATION	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	NUMBER OF CYCLES	NUMBER OF SIGNS
STAGE 1						
UTAH STREET	17+75	-	22+75	2	1	2
EGG HARBOR CONNECTOR	1900+00	-	1925+00	2	1	2
SUBTOTALS				4		
PROJECT 4140-20-73 TOTALS (0010)				4		

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

PAVEMENT MARKING

STATION	TO	STATION	LOCATION	646.0106 EPOXY 4-INCH (WHITE) LF	646.0106 EPOXY 4-INCH (YELLOW) LF	646.0116 EPOXY 6-INCH (WHITE) LF	646.0126 EPOXY 8-INCH (WHITE) LF	647.0206 PAVEMENT MARKING ARROWS BIKE LANE EPOXY EACH	647.0306 SYMBOLS BIKE LANE EPOXY EACH	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0606 ISLAND NOSE EPOXY EACH	647.0726 DIAGONAL EPOXY 12-INCH (YELLOW) LF
STH 42/57													
827+00	--	840+00	RT/LT	2,070	2,290	225	250	---	---	---	---	1	80
840+00	--	855+00	RT/LT	2,950	3,005	---	---	---	---	---	---	1	105
855+00	--	870+00	RT/LT	3,000	3,000	---	---	---	---	---	---	---	---
870+00	--	885+00	RT/LT	3,000	3,000	---	---	---	---	---	---	1	175
885+00	--	900+00	RT/LT	2,670	2,850	---	1,595	---	---	---	---	---	---
900+00	--	914+94	RT/LT	2,415	2,640	225	190	---	---	---	---	1	85
STH 42/57 TOTAL				16,105	16,785	450	2,035	---	---	---	---	4	445
MICHIGAN STREET													
115+60	--	124+40	RT/LT	1,105	1,325	135	---	2	2	---	---	2	30
MICHIGAN STREET TOTAL				1,105	1,325	135	---	2	2	---	---	2	30
BAYVIEW ROAD													
402+00	--	406+82	RT/LT	---	850	---	---	---	---	---	---	---	---
BAYVIEW ROAD TOTAL				---	850	---	---	---	---	---	---	---	---
ALABAMA STREET													
218+00	--	222+05	RT/LT	---	470	---	---	---	---	---	42	2	---
ALABAMA STREET TOTAL				---	470	---	---	---	---	---	42	2	---
EGG HARBOR ROAD													
311+50	--	320+07	RT/LT	1,635	1,675	70	---	---	---	---	---	1	60
EGG HARBOR ROAD TOTAL				1,635	1,675	70	---	---	---	---	---	1	60
UTAH STREET													
17+75	--	22+75	RT/LT	---	630	---	---	---	---	75	---	---	---
UTAH STREET TOTAL					630	---	---	---	---	75	---	---	---
EGG HARBOR CONNECTOR													
1900+00	--	1925+00	RT/LT	3,960	2,430	---	---	---	---	---	---	---	---
EGG HARBOR CONNECTOR TOTAL				3,960	2,430	---	---	---	---	---	---	---	---
ALL ROADS SUBTOTAL				22,805	24,165	655	2,035	2	2	75	42	9	535
PROJECT 4140-20-73 TOTALS (0010)				46,970		655	2,035	2	2	75	42	9	535

NOTE: ADDITIONAL PAVEMENT MARKING QUANTITIES SHOWN ON NEXT SHEET.

*UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

PAVEMENT MARKING

STATION	TO	STATION	LOCATION	646.0841.S WET REFLECTIVE CONTRAST TAPE 4-INCH LF	646.0843.S WET REFLECTIVE CONTRAST TAPE 8-INCH LF	SPV.0060.01 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS EACH	SPV.0060.02 ARROWS TYPE 1 EACH	SPV.0060.03 ARROWS TYPE 2 EACH	SPV.0060.04 ARROWS TYPE 3 EACH	SPV.0060.05 ARROWS TYPE 3R EACH	SPV.0090.01 YIELD LINE 18-INCH LF	REMARKS
STH 42/57												
827+00	--	840+00	RT/LT	125	595	4	2	---	3	1	90	
840+00	--	855+00	RT/LT	90	225	---	---	---	1	1	---	
855+00	--	870+00	RT/LT	---	---	---	---	---	---	---	---	
870+00	--	885+00	RT/LT	---	---	---	---	---	---	---	---	
885+00	--	900+00	RT/LT	---	---	---	---	---	---	---	---	
900+00	--	914+94	RT/LT	280	745	4	5	1	3	1	70	
			STH 42/57 TOTAL	495	1,565	8	7	1	7	3	160	
MICHIGAN STREET												
115+60	--	124+40	RT/LT	---	---	---	---	---	---	---	---	
			MICHIGAN STREET TOTAL	---	---	---	---	---	---	---	---	
BAYVIEW ROAD												
402+00	--	406+82	RT/LT	---	---	---	---	---	---	---	---	
			BAYVIEW ROAD TOTAL	---	---	---	---	---	---	---	---	
ALABAMA STREET												
218+00	--	222+05	RT/LT	---	---	---	---	---	---	---	---	
			ALABAMA STREET TOTAL	---	---	---	---	---	---	---	---	
EGG HARBOR ROAD												
311+50	--	320+07	RT/LT	---	---	---	---	---	---	---	---	
			EGG HARBOR ROAD TOTAL	---	---	---	---	---	---	---	---	
UTAH STREET												
17+75	--	22+75	RT/LT	---	---	---	---	---	---	---	---	
			UTAH STREET TOTAL	---	---	---	---	---	---	---	---	
EGG HARBOR CONNECTOR												
1900+00	--	1925+00	RT/LT	---	---	---	---	---	---	---	---	
			EGG HARBOR CONNECTOR TOTAL	---	---	---	---	---	---	---	---	
			ALL ROADS SUBTOTAL	495	1,565	8	7	1	7	3	160	
			PROJECT 4140-20-73 TOTALS (0010)	495	1,565	8	7	1	7	3	160	

NOTE: ADDITIONAL PAVEMENT MARKING QUANTITIES SHOWN ON PREVIOUS SHEET.

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

CONSTRUCTION STAKING ITEMS

STATION	-	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	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
827+00		838+00	STH 42/57	1,100	-	-	1,100	-	-	1,100
839+65		840+00	STH 42/57	35	-	-	35	-	-	35
840+00		855+00	STH 42/57	1,500	-	-	1,500	-	-	1,500
855+00		870+00	STH 42/57	1,500	-	-	1,500	-	-	1,500
870+00		885+00	STH 42/57	1,500	-	-	1,500	-	-	1,500
885+00		900+00	STH 42/57	1,500	-	-	1,500	-	-	1,500
900+00		905+62	STH 42/57	562	-	-	562	-	-	562
907+32		915+21	STH 42/57	789	-	-	789	-	-	789
115+60		118+74	MICHIGAN STREET	314	-	-	314	-	-	314
120+65		124+69	MICHIGAN STREET	404	-	-	404	-	-	404
500+00		503+80	MICHIGAN STREET ICD	380	-	-	380	-	-	-
402+00		406+82	BAYVIEW ROAD	482	482	-	-	-	-	482
218+00		219+56	ALABAMA STREET	156	156	275	-	-	-	156
220+44		222+05	ALABAMA STREET	161	161	265	-	-	-	161
315+50		320+07	EGG HARBOR ROAD	457	-	-	457	-	-	457
600+00		603+80	EGG HARBOR ROAD ICD	380	-	-	380	-	-	-
17+75		22+75	UTAH STREET	500	500	225	-	-	-	-
PROJECT 4140-20-73				-	-	-	-	1	1	-
PROJECT 4140-20-73 TOTALS (0010)				11,720	1,299	765	10,421	1	1	10,460

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

STREET SWEEPING

ROADWAY	SPV.0075.01 STREET SWEEPING HRS
STH 42/57 AND SIDE ROADS	40
PROJECT 4140-20-73 TOTALS (0010)	40

CONCRETE PAVEMENT JOINT LAYOUT

ROADWAY	SPV.0105.03 CONCRETE PAVEMENT JOINT LAYOUT LS
STH 42/57 AND SIDE ROADS	1
PROJECT 4140-20-73 TOTALS (0010)	1

ADJUSTING WATER VALVE BOX

ROADWAY	STATION	OFFSET	SPV.0060.08 ADJUSTING WATER VALVE BOX EACH
MICHIGAN STREET	113+64	33' LT	1
MICHIGAN STREET	116+89	3.5' LT	1
MICHIGAN STREET	116+92	0' LT	1
PROJECT 4140-20-73 TOTALS (0020)			3

LOCATING NO-PASSING ZONE

STATION	TO	STATION	648.0100 LOCATING NO-PASSING ZONE MI
STH 42/57 CL			
847+50	--	876+50	0.55
EGG HARBOR CONNECTOR			
1903+50	--	1921+50	0.34
PROJECT 4140-20-73 TOTALS (0010)			0.89

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

REMOVING, TYPE I AND II SIGNS
REMOVING SMALL SIGN SUPPORTS AND CANTILEVER SIGN SUPPORT

SIGN	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.2601 REMOVING SIGNS TYPE I EACH	SPV.0105.01 REMOVING CANTILEVER SIGN SUPPORT LS	REMARKS
1	STH 42/57, S. OF MICHIGAN ST	J1-1	1	1	---	---	
2	"	W3-3	1	1	---	---	
3	"	JH	1	1	---	---	
4	"	D7-68L	1	1	---	---	
5	"	R4-7	1	1	---	---	
6	"	R5-1	1	1	---	---	
7	"	D1-3	1	2	---	---	
8	"	M1-94	---	---	---	---	PART OF REMOVAL FOR SIGN #7, LOCATION BASED REMOVAL
9	"	R3-20L	1	1	---	---	
10	"	R5-1A	1	1	---	---	
11	"	R3-20R	1	1	---	---	
12	"	R3-20LL	1	1	---	---	
13	"	J4-2	1	1	---	---	
14	"	J13-1	1	1	---	---	
15	"	R5-1	---	---	---	---	PART OF REMOVAL FOR SIGN #14, LOCATION BASED REMOVAL
16	STH 42/57, AT MICHIGAN ST INTERSECTION	R3-1	1	1	---	---	
17	"	R6-2L	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
18	"	R1-1F	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
19	"	R4-7	---	---	---	---	PART OF REMOVAL FOR SIGN #18, MOUNTED TO SIGNAL
20	MICHIGAN ST	J13-3	1	2	---	---	
21	"	R6-2L	---	---	---	---	PART OF REMOVAL FOR SIGN #20, LOCATION BASED REMOVAL
22	"	R1-2	---	---	---	---	PART OF REMOVAL FOR SIGN #20, LOCATION BASED REMOVAL
23	"	R1-1F	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
24	"	R3-4	1	1	---	---	
25	STH 42/57, AT MICHIGAN ST INTERSECTION	R6-2L	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
26	"	R3-1	1	1	---	---	
27	"	R4-7	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
28	"	R1-1F	---	---	---	---	PART OF REMOVAL FOR SIGN #27, LOCATION BASED REMOVAL
29	MICHIGAN ST	R1-1F	1	---	---	---	MOUNTED TO SIGNAL CURRENTLY
30	"	R2-1	1	1	---	---	
31	BAYVIEW RD	R1-1	1	1	---	---	
32	"	W14-1	1	1	---	---	
33	MICHIGAN ST	R1-2	1	1	---	---	
34	STH 42/57, N. OF MICHIGAN ST	J13-1	1	1	---	---	
35	"	JH	1	1	---	---	
36	"	R3-20LL	1	1	---	---	
37	"	R3-20R	1	1	---	---	
	PAGE SUBTOTALS		31	27	0	0	

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REMOVING, TYPE I AND II SIGNS
REMOVING SMALL SIGN SUPPORTS AND CANTILEVER SIGN SUPPORT

SIGN	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.2601 REMOVING SIGNS TYPE I EACH	SPV.0105.01 REMOVING CANTILEVER SIGN SUPPORT LS	REMARKS
38	STH 42/57, N. OF MICHIGAN ST	R3-20L	1	1	---	---	
39	"	D1-3	1	2	---	---	
40	"	M1-94	---	---	---	---	PART OF REMOVAL FOR SIGN #39, SAME LOCATION REMOVAL
41	"	R2-1	1	1	---	---	
42	"	R5-1A	1	1	---	---	
43	"	W3-3	1	1	---	---	
44	"	W3-3	1	1	---	---	
45	"	R4-7	1	1	---	---	
46	"	R5-1	1	1	---	---	
47	"	J1-1	1	1	---	---	
48	"	W6-1	1	1	---	---	
49	"	R2-1	1	1	---	---	
50	"	W14-3	1	1	---	---	
51	"	R2-1	1	1	---	---	
52	"	I2-3	1	2	---	---	
53	STH 42/57, S. OF ALABAMA ST	W14-3	1	1	---	---	
54	"	J1-1	1	1	---	---	
55	"	R2-1	1	1	---	---	
56	"	R2-1	1	1	---	---	
57	"	D7-56R	1	2	---	---	
58	"	I55-56	1	1	---	---	
59	"	J13-1	1	1	---	---	
60	STH 42/57, AT ALABAMA ST INTERSECTION	J13-3	1	2	---	---	
61	ALABAMA ST	R1-1	1	1	---	---	
62	"	R1-1	1	1	---	---	
63	"	R4-7	1	1	---	---	
64	"	R2-1	1	1	---	---	
65	"	R4-7	1	1	---	---	
66	"	R1-1	1	1	---	---	
67	"	R1-1	1	1	---	---	
68	STH 42/57, AT ALABAMA ST INTERSECTION	J13-3	1	2	---	---	
69	STH 42/57, N. OF ALABAMA ST	J13-1	1	1	---	---	
70	"	I55-56	1	1	---	---	
71	"	D7-68L	1	2	---	---	
72	"	R2-1	1	1	---	---	
73	"	---	---	2	---	---	
74	"	J1-1	1	1	---	---	
	PAGE SUBTOTALS		35	43	0	0	

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REMOVING, TYPE I AND II SIGNS
REMOVING SMALL SIGN SUPPORTS AND CANTILEVER SIGN SUPPORT

SIGN	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.2601 REMOVING SIGNS TYPE I EACH	SPV.0105.01 REMOVING CANTILEVER SIGN SUPPORT LS	REMARKS
75	STH 42/57, N. OF ALABAMA ST	R2-1	1	1	---	---	
76	"	D1-3	1	2	---	---	
77	"	J4-2	1	1	---	---	
78	EGG HARBOR RD	R5-1	1	1	---	---	
79	"	R1-1	1	1	---	---	
80	"	R5-98	1	---	---	---	MOUNTED TO POWER POLE CURRENTLY
81	"	R4-52R	1	1	---	---	
82	"	J1-2	1	1	---	---	
83	"	J4-2	1	1	---	---	
84	"	R5-1	1	1	---	---	
85	"	R1-2	1	1	---	---	
86	"	R5-1A	1	1	---	---	
87	"	R5-1A	1	1	---	---	
88	"	R4-7	1	1	---	---	
89	"	R1-1	1	1	---	---	
90	STH 42/57, AT EGG HARBOR RD INTERSECTION	W1-7	1	1	---	---	
91	STH 42/57, N. OF EGG HARBOR RD	SP	---	---	1	1	REMOVE CANTILEVER SIGN SUPPORT (S-15-02) AS WELL
92	"	W13-2	1	1	---	---	
93	"	J4-2	1	1	---	---	
94	"	D1-4	1	2	---	---	
95	"	R2-1	1	1	---	---	
96	"	D7-68R	1	1	---	---	
97	"	J2-4	1	2	---	---	
98	UTAH ST	R1-1	1	1	---	---	ALSO REMOVE R3-2 MOUNTED BELOW R1-1
99	"	R4-7	1	1	---	---	
100	"	R4-7	1	1	---	---	
101	STH 42/57, AT UTAH ST INTERSECTION	R3-2	1	1	---	---	
102	"	R3-2	---	---	---	---	PART OF REMOVAL FOR SIGN #101
103	UTAH ST	R4-7	1	1	---	---	
104	"	R3-2	---	---	---	---	PART OF REMOVAL FOR SIGN #103
105	"	R1-1	1	1	---	---	
106	"	R4-7	1	1	---	---	
107	"	R1-1	1	1	---	---	
108	STH 42/57, AT UTAH ST INTERSECTION	R6-2R	1	1	---	---	
109	UTAH ST	R1-1	1	1	---	---	
110	STH 42/57, AT UTAH ST INTERSECTION	R6-2R	1	1	---	---	
	PAGE SUBTOTALS		33	35	1	1	
	PROJECT TOTALS		**99**	**105**	**1**	**1**	

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ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	641.8100 OVERHEAD SIGN SUPPORT LS	REMARKS
200	STH 42/57, AT UTAH ST INTERSECTION	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #200A
200A	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
200B	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #200
200C	UTAH ST, AT STH 42/57 INTERSECTION	R1-1	30" X 30"	5.18	---	---	1	---	---	
200D	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #200C
201	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
201A	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #201
201B	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
201C	"	R3-2	24" X 24"	4.00	---	1	---	---	---	
201D	"	R4-7	24" X 30"	5.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #201C
202	STH 42/57, AT UTAH ST INTERSECTION	R5-1	30" X 30"	6.25	---	1	---	---	---	
202A	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
202B	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #202A
202C	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
202D	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #202C
202E	"	R5-1	30" X 30"	6.25	---	1	---	---	---	
203	UTAH ST, AT STH 42/57 INTERSECTION	R4-7	24" X 30"	5.00	---	1	---	---	---	
203A	"	R3-2	24" X 24"	4.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #203
203B	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
204	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
204A	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #204
205	STH 42/57, AT UTAH ST INTERSECTION	R1-2	36" X 31"	3.88	---	---	1	---	---	
205A	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #205
205B	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #205A
206	UTAH ST, AT STH 42/57 INTERSECTION	R1-1	30" X 30"	5.18	---	---	1	---	---	
206A	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #206
207	STH 42/57, S. OF MICHIGAN ST	J1-1	24" X 39"	6.50	---	1	---	---	---	JCT CTH TT
208	"	W2-6	30" X 30"	---	6.25	---	1	---	---	
209	"	W13-1	18" X 18"	---	2.25	---	---	---	---	MOUNT BELOW SIGN #208
210	"	D1-62	144" X 78"	78.00	---	---	3	---	---	SEE SIGN DETAIL SHEET
210A	"	D1-3	96" X 36"	24.00	---	2	---	---	---	NORTHEAST WIS TECHNICAL COLLEGE, SEE SIGN DETAIL SHEET
211	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
212	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
213	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
214	"	J4-3	72" X 36"	18.00	---	2	---	---	---	SOUTH STH 42, SOUTH STH 57, LMCT
215	"	J3-2	48" X 57"	19.00	---	---	---	---	---	NORTH STH 42, NORTH STH 57, SEE PLAN SHEET, MOUNT TO SIGN CANTILEVER (S-15-15) COLUMN
216	"	J13-2	48" X 45"	15.00	---	---	1	---	---	HOSPITAL, CTH TT, SEE PLAN SHEET
217	"	R3-6X	42" X 48"	14.00	---	---	---	---	1	STA. 836+06, MOUNT CENTERED ON S-15-15 OVER LEFT LANE
218	"	R3-6R	42" X 48"	14.00	---	---	---	---	---	MOUNT CENTERED ON S-15-15 OVER RIGHT LANE
	PAGE SUBTOTALS			305.24	17.50	14	13	0	1	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	641.8100 OVERHEAD SIGN SUPPORT LS	REMARKS
219	STH 42/57, AT MICHIGAN ST RAB	R1-2	48" X 42"	7.00	---	---	---	1	---	
220	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #219
221	"	R1-2	48" X 42"	7.00	---	---	1	---	---	
222	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #221
223	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	MOUNT ABOVE SIGN #224
224	"	R6-4B	60" X 24"	10.00	---	2	---	---	---	
225	"	D2-2	72" X 30"	15.00	---	2	---	---	---	SOUTH STH 42, SOUTH STH 57, SEE SIGN DETAIL SHEET
226	CTH TT/MICHIGAN ST, AT STH 42/57 RAB	D1-2	84" X 30"	17.50	---	2	---	---	---	CTH TT, MICHIGAN ST, SEE SIGN DETAIL SHEET
227	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
228	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #227
229	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
230	"	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH
231	"	J13-2	48" X 45"	15.00	---	---	1	---	---	STH 42, STH 57, SEE PLAN SHEET
232	VACANT	---	---	---	---	---	---	---	---	
233	CTH TT/MICHIGAN ST, AT STH 42/57 RAB	W2-6	30" X 30"	---	6.25	---	1	---	---	
234	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN #233
235	BAYVIEW RD	W14-1	30" X 30"	---	6.25	1	---	---	---	
236	"	R1-1	30" X 30"	5.18	---	1	---	---	---	
237	CTH TT/MICHIGAN ST, AT STH 42/57 RAB	R1-2	36" X 31"	3.88	---	1	---	---	---	
238	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #237
239	STH 42/57, N. OF MICHIGAN ST RAB	D1-2	72" X 30"	15.00	---	2	---	---	---	NORTH STH 42, NORTH STH 57, SEE SIGN DETAIL SHEET
240	STH 42/57, AT MICHIGAN ST RAB	R6-1R	36" X 12"	3.00	---	2	---	---	---	
241	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN #240
242	"	R6-1R	54" X 18"	6.75	---	2	---	---	---	
243	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN #242
244	CTH TT/MICHIGAN ST, AT STH 42/57 RAB	D1-1	84" X 15"	8.75	---	2	---	---	---	MICHIGAN ST, SEE SIGN DETAIL SHEET
245	STH 42/57, AT MICHIGAN ST RAB	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #246
246	"	R6-4B	60" X 24"	10.00	---	2	---	---	---	
247	MICHIGAN ST, AT STH 42/57 RAB	R1-2	36" X 31"	3.88	---	1	---	---	---	
248	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #247
249	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
250	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #249
251	MICHIGAN ST	R4-7	24" X 30"	5.00	---	1	---	---	---	
252	"	J13-2	48" X 45"	15.00	---	---	1	---	---	STH 42, STH 57, SEE PLAN SHEET
253	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
254	"	W2-6	30" X 30"	---	6.25	---	1	---	---	
255	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN #254
256	STH 42/57, AT MICHIGAN ST RAB	R1-2	48" X 42"	7.00	---	1	---	---	---	
257	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #256
258	"	R1-2	48" X 42"	7.00	---	---	1	---	---	
259	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #258
260	STH 42/57, N. OF MICHIGAN ST RAB	J13-2	48" X 45"	15.00	---	---	1	---	---	CTH TT, HOSPITAL, SEE PLAN SHEET
261	"	R3-6R	42" X 48"	14.00	---	---	---	---	1	STA. 841+35, MOUNT CENTERED ON S-15-16 OVER RIGHT LANE
262	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	MOUNT CENTERED ON S-15-16 OVER LEFT LANE
263	"	J3-2	48" X 57"	19.00	---	---	---	---	---	SOUTH STH 42, SOUTH STH 57, SEE PLAN SHEET, MOUNT TO SIGN CANTILEVER (S-15-16) COLUMN
264	"	J4-3	72" X 36"	18.00	---	2	---	---	---	NORTH STH 42, NORTH STH 57, LMCT
265	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
	PAGE SUBTOTALS			324.45	32.25	28	9	1	1	

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ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	641.8100 OVERHEAD SIGN SUPPORT LS	REMARKS
266	STH 42/57, N. OF MICHIGAN ST RAB	R4-7	24" X 30"	5.00	---	1	---	---	---	
267	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
267A	"	D1-3	96" X 36"	24.00	---	2	---	---	---	NORTHEAST WIS TECHNICAL COLLEGE, SEE SIGN DETAIL SHEET
268	"	D1-62	144" X 78"	78.00	---	---	3	---	---	SEE SIGN DETAIL SHEET
269	"	W2-6	30" X 30"	---	6.25	---	1	---	---	
270	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN #269
271	"	J1-1	24" X 39"	6.50		1	---	---	---	JCT CTH TT
272	"	W14-3	48" X 36"	---	6.00	1	---	---	---	
273	STH 42/57, S. OF ALABAMA ST	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
274	"	I2-3	90" X 24"	15.00	---	2	---	---	---	STURGEON BAY, SEE SIGN DETAIL SHEET
275	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
276	"	W14-3	48" X 36"	---	6.00	1	---	---	---	
277	"	J1-1	24" X 39"	6.50	---	1	---	---	---	JCT CTH T
278	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
279	"	I55-56	30" X 36"	7.50	---	1	---	---	---	FIRST BAPTIST CHURCH OF STURGEON BAY
280	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
281	"	R5-1A	36" X 24"	6.00	---	1	---	---	---	
282	"	J4-2	48" X 36"	12.00	---	1	---	---	---	SOUTH STH 42, SOUTH STH 57
283	STH 42/57, AT ALABAMA ST INTERSECTION	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #284
284	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
285	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #283
286	"	R5-1	30" X 30"	6.25	---	1	---	---	---	
287	"	J13-1	24" X 45"	7.50	---	---	1	---	---	CTH T, SEE PLAN SHEET
288	"	R5-1	30" X 30"	6.25	---	---	---	---	---	MOUNT ON BACK OF SIGN #287
289	STH 42/57, AT ALABAMA ST INTERSECTION	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #290
290	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
291	ALABAMA ST, AT STH 42/57 INTERSECTION	J13-2	48" X 45"	15.00	---	---	1	---	---	STH 42, STH 57, SEE PLAN SHEET
292	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #293
293	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
294	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #295
295	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
296	ALABAMA ST	R2-1	24" X 30"	5.00	---	1	---	---	---	35 MPH
297	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
298	ALABAMA ST, AT STH 42/57 INTERSECTION	R3-2	24" X 24"	4.00	---	1	---	---	---	
299	STH 42/57, AT ALABAMA ST INTERSECTION	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #300
300	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
301	"	R5-1	30" X 30"	6.25	---	1	---	---	---	
302	ALABAMA ST, AT STH 42/57 INTERSECTION	R3-2	24" X 24"	4.00	---	1	---	---	---	
303	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #304
304	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
305	ALABAMA ST	R4-7	24" X 30"	5.00	---	1	---	---	---	
306	STH 42/57, AT ALABAMA ST INTERSECTION	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ON BACK OF SIGN #312
307	ALABAMA ST, AT STH 42/57 INTERSECTION	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #308
308	"	R1-1	30" X 30"	5.18	---	---	1	---	---	
309	"	J13-2	48" X 45"	15.00	---	---	1	---	---	STH 42, STH 57, SEE PLAN SHEET
	PAGE SUBTOTALS			319.11	29.50	24	14	0	0	

PLAN SHEET PRODUCED

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3

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	641.8100 OVERHEAD SIGN SUPPORT LS	REMARKS
310	STH 42/57, N. OF ALABAMA ST	R5-1	30" X 30"	6.25	---	---	---	---	---	MOUNT ON BACK OF SIGN #311
311	"	J13-1	24" X 45"	7.50	---	---	1	---	---	
312	STH 42/57, AT ALABAMA ST INTERSECTION	R1-2	36" X 31"	3.88	---	---	1	---	---	
313	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #312
314	STH 42/57, N. OF ALABAMA ST	I55-56	30" X 36"	7.50	---	---	---	---	---	
315	"	W2-6	30" X 30"	---	6.25	---	---	---	---	
316	"	W13-1	18" X 18"	---	2.25	---	---	---	---	
317	"	R5-1A	36" X 24"	6.00	---	1	---	---	---	
318	STH 42/57, S. OF EGG HARBOR RD	D1-62	114" X 84"	66.50	---	---	3	---	---	SEE SIGN DETAIL SHEET
319	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
320	"	D1-3	108" X 36"	27.00	---	2	---	---	---	BUSINESS DIST, VEHICLE REGISTRATION DRIVER LICENSING, SEE SIGN DETAIL SHEET
321	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
322	"	J1-1	24" X 39"	6.50	---	1	---	---	---	JCT CTH T
323	"	J3-2	48" X 57"	19.00	---	---	1	---	---	BUSINESS STH 42, BUSINESS STH 57, SEE PLAN SHEET, MOUNT TO SIGN CANTILEVER (S-15-17) COLUMN
324	"	R3-6L	42" X 48"	14.00	---	---	---	---	1	STA. 904+05, MOUNT CENTERED ON S-15-17 OVER LEFT LANE
325	"	R3-5A	42" X 48"	14.00	---	---	---	---	---	MOUNT CENTERED ON S-15-17 OVER RIGHT LANE
326	"	J3-2	48" X 57"	19.00	---	---	1	---	---	NORTH STH 42, NORTH STH 57, SEE PLAN SHEET
327	STH 42/57, AT EGG HARBOR RD RAB	R1-2	48" X 42"	7.00	---	---	1	---	---	
328	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #327
329	"	R1-2	48" X 42"	7.00	---	---	1	---	---	
330	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #329
331	"	R6-1R	54" X 18"	6.75	---	2	---	---	---	
332	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN #331
333	STH 42/57, AT EGG HARBOR RD RAB	D2-2	72" X 30"	15.00	---	2	---	---	---	SOUTH STH 42, SOUTH STH 57, SEE SIGN DETAIL SHEET
334	"	R6-1R	36" X 12"	3.00	---	2	---	---	---	
335	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN #334
336	EGG HARBOR RD, AT STH 42/57 RAB	R1-2	36" X 31"	3.88	---	---	1	---	---	
337	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #336
338	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
339	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #338
340	EGG HARBOR RD	J1-4	96" X 39"	26.00	---	---	2	---	---	JCT STH 42, JCT STH 57, END BUSINESS 42, END BUSINESS 57
341	"	W2-6	30" X 30"	---	6.25	---	1	---	---	
342	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN #341
343	"	J3-4	96" X 57"	38.00	---	---	---	2	---	NORTH STH 42, NORTH STH 57, SOUTH STH 42, SOUTH STH 57, SEE PLAN SHEET
344	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
345	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
346	"	J4-2	48" X 36"	12.00	---	1	---	---	---	BUSINESS STH 42, BUSINESS STH 57
347	STH 42/57, AT EGG HARBOR RD RAB	R6-1R	54" X 18"	6.75	---	2	---	---	---	
348	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN #347
349	"	R1-2	48" X 42"	7.00	---	---	1	---	---	
350	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN #349
351	"	R1-2	48" X 42"	7.00	---	---	1	---	---	
352	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #351
353	"	D2-2	90" X 42"	26.25	---	2	---	---	---	BUS STH 42, BUS STH 57, EGG HARBOR RD, SEE SIGN DETAIL SHEET
354	"	D2-2	72" X 30"	15.00	---	2	---	---	---	NORTH STH 42, NORTH STH 57, SEE SIGN DETAIL SHEET
	PAGE SUBTOTALS			447.14	35.00	21	16	2	1	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

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3

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	641.8100 OVERHEAD SIGN SUPPORT LS	REMARKS
355	STH 42/57, N. OF EGG HARBOR RD	J3-2	48" X 57"	19.00	---	---	---	1	---	BUSINESS STH 42, BUSINESS STH 57, SEE PLAN SHEET
356	"	R3-6R	42" X 48"	14.00	---	---	---	---	1	STA. 909+00, MOUNT CENTERED ON S-15-18 OVER RIGHT LANE
357	"	R3-5A	42" X 48"	14.00	---	---	---	---	---	MOUNT CENTERED ON S-15-18 OVER LEFT LANE
358	"	J3-2	48" X 57"	19.00	---	---	---	---	---	SOUTH STH 42, SOUTH STH 57, MOUNT TO SIGN CANTILEVER (S-15-18) COLUMN
359	"	J4-3	72" X 36"	18.00	---	2	---	---	---	NORTH STH 42, NORTH STH 57, LMCT
360	"	D1-2	90" X 30"	18.75	---	---	2	---	---	BUSINESS DIST, STURGEON BAY, SEE SIGN DETAIL SHEET
361	"	R4-7	24" X 30"	5.00	---	1	---	---	---	
362	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
363	"	W3-2	36" X 36"	---	9.00	1	---	---	---	
364	"	D1-62	114" X 84"	66.50	---	---	3	---	---	SEE SIGN DETAIL SHEET
365	"	W2-6	30" X 30"	---	6.25	---	1	---	---	
366	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN #365
	PAGE SUBTOTALS			179.25	17.50	5	6	1	1	
	PROJECT TOTALS			**1575.19**	**131.75**	**92**	**58**	**4**	**4**	

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Conduit Rigid Nonmetallic Schedule 40

LOCATION		652.0225	652.0235	652.0615
STH 42/57 & Michigan St.		2-Inch	3-Inch	3-Inch Special
FROM	TO	LF	LF	LF
CB1	PB1		10	
CB1	PB1		10	
PB1	PB2	110		
PB1	LB1	20		
PB2	PB3	45		
PB3	PB4	45		
PB2	LB2	15		
PB3	LB3	20		
PB4	LB4	35		
PB4	PB5	130		
PB5	LB5	25		
PB5	PB6	70		
PB6	LB6	35		
PB6	PB7	125		
PB7	LB7	35		
PB7	PB8	50		
PB8	LB8	10		
PB8	PB9	50		
PB9	LB9	35		
PB9	PB10	110		
PB10	LB10	30		
PB10	PB1	65		
PB2	Drain	10		
PB3	Drain	10		
PB5	Drain	10		
PB10	Drain	10		
	TOTAL	1,100	20	0

Concrete Bases

		654.0224
	654.0105	Control
	Type 5	Cabinet
LOCATION	EACH	EACH
STH 42/57 & Michigan St.	10	1

Pull Boxes Steel

	653.0140
	24x42-Inch
LOCATION	EACH
STH 42/57 & Michigan St.	10

Conduit Rigid Nonmetallic Schedule 40

LOCATION		652.0225	652.0235	652.0615
STH 42/57 & Egg Harbor		2-Inch	3-Inch	3-Inch Special
FROM	TO	LF	LF	LF
CB1	PB1		20	
CB1	PB1		20	
PB1	PB2	50		
PB2	LB1	15		
PB2	PB3	60		
PB3	PB4	130		
PB3	LB2	55		
PB4	PB5	50		
PB4	LB3	15		
PB5	PB6	45		
PB5	LB4	30		
PB6	PB7	170		
PB6	LB5	50		
PB7	PB8	120		
PB7	LB6	10		
PB8	PB9	50		
PB8	LB7	10		
PB9	PB10	40		
PB9	LB7	30		
PB10	PB1	90		
PB1	LB9	40		
PB4	Drain	10		
PB6	Drain	10		
PB10	Drain	10		
	TOTAL	1,090	40	0

Concrete Bases

		654.0224
	654.0105	Control
	Type 5	Cabinet
LOCATION	EACH	EACH
STH 42/57 & Egg Harbor	9	1

Pull Boxes Steel

	653.0140
	24x42-Inch
LOCATION	EACH
STH 42/57 & Egg Harbor	10

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

Electrical Wire Lighting

			10AWG	12AWG	
LOCATION					655.0610
STH 42/57 & Michigan St.			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	**(Black)/(Red)**	**(Green)**
Circuit	FROM	TO	LF	LF	LF
A	CB1	LB1	120		
(Black)	LB1	Luminaires		100	50
	LB1	LB2	370		
	LB2	Luminaires		100	50
	LB2	LB3	240		
	LB3	Luminaires		100	50
B	CB1	LB4	610		
(Red)	LB4	Luminaires		100	50
	LB4	LB5	460		
	LB5	Luminaires		100	50
C	CB1	LB6	1050		
(Blue)	LB6	Luminaire		100	50
	LB6	LB7	470		
	LB7	Luminaire		100	50
D	CB1	LB10	290		
(Brown)	LB10	Luminaire		100	50
	LB10	LB9	430		
	LB9	Luminaire		100	50
	LB9	LB8	250		
	LB8	Luminaire		100	50
		SUB-TOTALS	4,290	1,000	500
		TOTAL	4,290	1,500	

Electrical Wire Lighting

			10AWG	12AWG	
LOCATION					655.0610
STH 42/57 & Egg Harbor			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	**(Black)/(Red)**	**(Green)**
Circuit	FROM	TO	LF	LF	LF
A	CB1	LB1	250		
(Black)	LB1	Luminaires		100	50
	CB1	LB9	180		
	LB9	Luminaires		100	50
B	CB1	LB2	470		
(Red)	LB2	Luminaires		100	50
	LB2	LB3	480		
	LB3	Luminaires		100	50
C	CB1	LB4	820		
(Blue)	LB4	Luminaire		100	50
	LB4	LB5	330		
	LB5	Luminaire		100	50
D	CB1	LB8	460		
(Brown)	LB8	Luminaire		100	50
	LB8	LB7	260		
	LB7	Luminaire		100	50
	LB7	LB6	360		
	LB6	Luminaire		100	50
		SUB-TOTALS	3,610	900	450
		TOTAL	3,610	1,350	

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

3

Electrical Wire Lighting 10AWG		
LOCATION		655.0615
STH 42/57 & Michigan St.		Equipment
		Grounding
(240 VOLT SYSTEM)		Conductor
		(Green)
FROM	TO	LF
CB1	LB1	60
CB1	PB1	30
LB1	LB2	185
LB2	PB2	35
LB2	LB3	120
LB3	PB3	40
LB3	LB4	140
LB4	PB4	55
LB4	LB5	230
LB5	PB5	45
LB5	LB6	170
LB6	PB6	55
LB6	LB7	235
LB7	PB7	55
LB7	LB8	135
LB8	PB8	30
LB8	LB9	135
LB9	PB9	55
LB9	LB10	215
LB10	PB10	50
LB10	CB1	145
	TOTAL	2,220

Electric Service		
	656.0200	659.2124
	Meter Breaker Pedestal	Lighting Control Cabinet
LOCATION	LS	EACH
STH 42/57 & Michigan St.	1	1

Lighting Summary				
	657.0255	657.0322	657.0710	659.1115
	Transformer Bases	Poles	Luminaire Arms	Luminaires
	Breakaway	Type 5	Truss Type	Utility
	11 1/2-Inch	(Aluminum)	4 1/2-Inch Clamp	LED-A
	Bolt Circle		12-FT	
LOCATION	EACH	EACH	EACH	EACH
STH 42/57 & Michigan St.	10	10	10	10

Electrical Wire Lighting 10AWG		
LOCATION		655.0615
STH 42/57 & Egg Harbor		Equipment
		Grounding
(240 VOLT SYSTEM)		Conductor
		(Green)
FROM	TO	LF
CB1	LB1	125
CB1	PB1	40
LB1	LB2	170
LB1	PB2	35
LB2	LB3	240
LB2	PB3	75
LB3	LB4	135
LB3	PB4	35
LB4	LB5	165
LB4	PB5	50
LB5	LB6	270
LB5	PB6	70
LB6	LB7	180
LB6	PB7	30
LB7	LB8	130
LB7	PB8	30
LB8	LB9	250
LB8	PB9	50
LB8	PB10	100
LB9	CB1	90
	TOTAL	2,270

Electric Service		
	656.0200	659.2124
	Meter Breaker Pedestal	Lighting Control Cabinet
LOCATION	LS	EACH
STH 42/57 & Egg Harbor	1	1

Lighting Summary				
	657.0255	657.0322	657.0710	659.1115
	Transformer Bases	Poles	Luminaire Arms	Luminaires
	Breakaway	Type 5	Truss Type	Utility
	11 1/2-Inch	(Aluminum)	4 1/2-Inch Clamp	LED-A
	Bolt Circle		12-FT	
LOCATION	EACH	EACH	EACH	EACH
STH 42/57 & Egg Harbor	9	9	9	9

UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

DECORATIVE PAVEMENT

STATION	TO	STATION	405.0100 COLORING CONCRETE RED CY	SPV.0035.01 COLORING CONCRETE TAN CY	SPV.0165.01 STAMPING CONCRETE SF	REMARKS
CAT 010						
117+70		118+82	29	-	-	SPLITTER ISLAND
118+39		118+55	9	-	-	CROSSWALK
120+55		121+12	12	-	-	SPLITTER ISLAND
120+79		120+96	9	-	-	CROSSWALK
319+12		320+12	19	-	-	SPLITTER ISLAND
837+58		837+82	15	-	-	CROSSWALK
837+63		838+00	13	-	-	SPLITTER ISLAND
839+74		840+05	16	-	-	CROSSWALK
839+50		839+95	14	-	-	SPLITTER ISLAND
905+13		905+42	16	-	-	CROSSWALK
905+21		905+60	12	-	-	SPLITTER ISLAND
907+22		907+53	16	-	-	CROSSWALK
907+03		907+44	12	-	-	SPLITTER ISLAND
CAT 030						
500+00		503+80		31	2011	MAINTENANCE BAND
600+00		603+80		31	2011	MAINTENANCE BAND
TOTALS			192	62	4022	

PANEL BASE

STATION	LOCATION	SPV.0060.09 PANEL BASE EACH
CAT 030		
501+00.46	39.35	1
501+03.97	42.71	1
501+12.11	46.64	1
501+23.60	49.28	1
501+47.38	51.33	1
501+70.91	51.33	1
501+94.67	49.28	1
502+06.15	46.64	1
502+14.29	42.17	1
502+17.80	39.35	1
602+51.54	39.35	1
602+55.06	42.71	1
602+63.20	46.64	1
602+74.69	49.28	1
602+98.47	51.33	1
603+21.99	51.33	1
603+45.76	49.28	1
603+57.25	46.64	1
603+65.40	42.71	1
603+68.92	39.35	1
TOTALS		20

DECORATIVE PANEL

STATION	TO	STATION	SPV.0060.10 DECORATIVE PANEL A EACH	SPV.0060.11 DECORATIVE PANEL B EACH	SPV.0060.12 DECORATIVE PANEL C EACH
CAT 030					
501+00.46		501+03.97	-	-	1
501+12.11		501+23.60	-	1	-
501+47.38		501+70.91	1	-	-
501+94.67		502+06.15	-	1	-
502+14.29		502+17.80	-	-	1
602+51.54		602+55.06	-	-	1
602+63.20		602+74.69	-	1	-
602+98.47		603+21.99	1	-	-
603+45.76		603+57.25	-	1	-
603+65.40		603+68.92	-	-	1
TOTALS			2	4	4

STONE MULCH

STATION	TO STATION	SPV.0180.01 STONE MULCH SY
CAT 030		
602+57	603+64	94
501+06	502+12	94
TOTALS		188

TREES, SHRUBS AND PERENNIALS

SYM	COMMON NAME	SIZE WHEN PLANTED	ROOT ZONE MODE	SPACING	500+00 TO 503+80 EACH	600+00 TO 603+80 EACH	TOTALS EACH	BID ITEM
CAT 030								
	DECIDUOUS TREES							
PC	CRABAPPLE, PRAIRIFIRE	2" CAL.	B&B	-	6	6	12	632.0101.01
	DECIDUOUS SHRUBS							
AW	SPIREA, ANTHONY WATERER	1.5' HT.	CG	48" O.C.	38	38	76	632.0201.01
	PERENNIALS							
CF	CONEFLOWER, PURPLE	SP4	CG	24" O.C.	161	161	322	SPV.0060.13
SG	SWITCH GRASS	SP4	CG	24" O.C.	72	72	144	SPV.0060.14
PS	PRAIRIE DROPSEED	SP4	CG	24' O.C.	407	407	814	SPV.0060.15

PLANTING SOIL MIX

STATION	TO STATION	SPV.0035.02 PLANTING SOIL MIX CY	REMARKS
CAT 030			
500+00	503+80	120	1' DEEP ROUNDABOUT
600+00	603+80	120	1' DEEP ROUNDABOUT
TOTALS		240	

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLE

STATION	632.9100 LANDSCAPE PLANTING SURV & CARE CYCLE EACH
CAT 030	
UNDISTRIBUTED	20
TOTALS	20

PLANT DATA CHART

SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE (CAL. OR HT.) WHEN PLANTED	MODE	ROOT ZONE DIAM.	MINIMUM SIZE BALL/POT DEPTH	MINIMUM SIZE BALL/POT SPREAD	MINIMUM SIZE ROOT DIAM.	MINIMUM SIZE PLANT HOLE DEPTH	BRACE OR GUY REQ'D GUY	BRACE OR GUY REQ'D BRACE	FERT. UNITS REQ'D	RODENT PROTECT DIAM.	MULCH RING DIA. OR BED
	DECIDUOUS TREES															
PC	FLOWERING CRABAPPLE, PRAIRIFIRE	MALUS 'PRAIRIFIRE'	3	20'	2" Cal.	B&B	24"	16"		36"	16"	NO	NO	4	NO	BED
	DECIDUOUS SHRUBS															
AW	SPIREA, ANTHONY WATERER	SPIRAEA x BUMALDA 'ANTHONY WATERER'	1	3'	1.5' Ht.	CG	-	-	14"	26"	11"	-	-	2	NO	BED
	PERENNIALS															
CF	CONEFLOWER, PURPLE	ECHINACEA PURPUREA	-	36"	SP4	CG	-	-	-	-	-	-	-	-	-	BED
SG	SWITCH GRASS	PANICUM VIRGATUM	-	42"	SP4	CG	-	-	-	-	-	-	-	-	-	BED
PD	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS	-	24"	SP4	CG	-	-	-	-	-	-	-	-	-	BED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 4140-20-23
CITY OF STURGEON BAY
MICHIGAN STREET - EGG HARBOR ROAD
STH 42
DOOR COUNTY

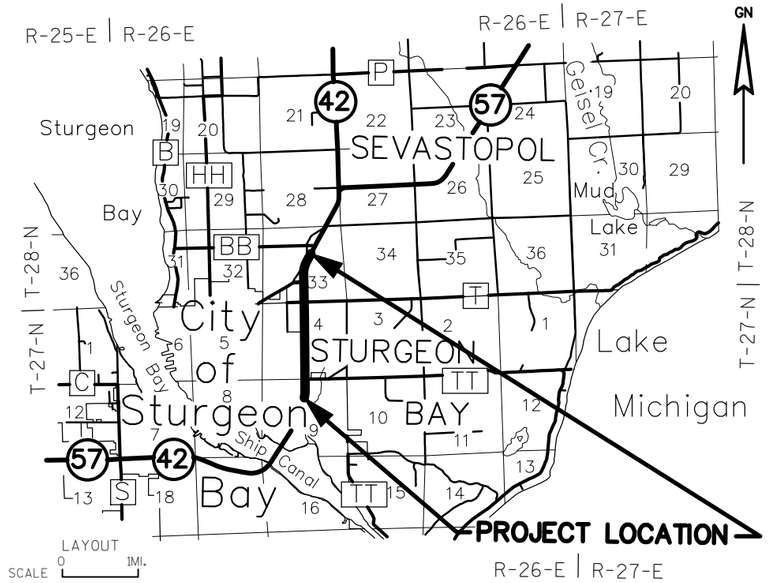
CONVENTIONAL SYMBOLS

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)
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 COMBUSTIBLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE
EXISTING MONUMENT NUMBER
R/W BOUNDARY POINT NUMBER

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON MON.
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
PARCEL NUMBER
UTILITY NUMBER

COMPENSABLE | NON-COMPENSABLE



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, DOOR COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLE's) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY, WI.

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

EXISTING ACCESS CONTROL ALONG S.T.H. 42 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT 4150-1-23

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR S.T.H. 42 ESTABLISHED FROM PREVIOUS PROJECTS 4150-1-23 & 4430-12-00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-20-23 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : S:\DESIGN\DESIGN PROJECTS\4140-20-02 (STH 42) - TENG\SURVEY\TPP INFO\DRAWINGS\41402023_STH42_TPP.DWG
APPRAISAL PLAT DATE : APPRAISALPLATDATE
PLOT BY : KOLBY SCHERTZ
PLOT DATE : February 24, 2015
PLOT NAME : STH 42/57
SHEET 2 OF 2
4140-20-23

TRANSPORTATION PROJECT PLAT NO: 4140-20-23 - 4.01

PART OF LOT 1, CSM NO. 1698 LOCATED IN THE NW 1/4 - NE 1/4, AND PART OF THE NE 1/4 - NW 1/4, SECTION 9; AND PART OF LOT 1, REPLAT OF PART OF SPRING OAKS-SOUTH LOCATED IN AND INCLUDING THE SE 1/4 - SW 1/4, SECTION 4; ALL IN THE CITY OF STURGEON BAY; AND PART OF THE SW 1/4 - SE 1/4, SECTION 4, TOWN OF STURGEON BAY; ALL IN TOWNSHIP 27 NORTH, RANGE 26 EAST, DOOR COUNTY, WISCONSIN

RELOCATION ORDER STH 42 CITY OF STURGEON BAY (MICHIGAN STREET TO EGG HARBOR ROAD) DOOR COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

DOC#: 785699

Recorded
MAR. 9, 2015 AT 11:11AM

CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI

Fee Amount Paid: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-20-23 - 4.01
AMENDMENT NO:__

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	TLE S.F. REQUIRED
1	DOOR COUNTY YOUNG MEN'S CHRISTIAN ASSOCIATION, INC.-	FEE,TLE	1,516	----	1,516	4,541
2	NATURES HARVEST LAND COMPANY	FEE	16,294	----	16,294	----
3	PENINSULA BAPTIST CHURCH, INC.	FEE	52,717	----	52,717	----
4	JOSHUA AND JENNY KANEY	FEE,TLE	5,996	----	5,996	329
5	LAKE SHORE HEALTH SERVICES, INC.	FEE	3,599	----	3,599	----
6	CITY OF STURGEON BAY	FEE	1,833	----	1,833	----
7	CROSSROADS A BIG CREEK, INC.	FEE,TLE	7,235	----	7,235	490
8	COMMERCIAL CONDOMINIUM	TLE	----	----	----	142

UTILITY INTEREST TABLE

UTILITY #	PARCEL #	INTEREST DESCRIPTION	RECORDING DATA
100	3	GENERAL EASEMENT	DOC# 737031
	5	RIGHT OF WAY GRANT	DOC# 369050
	6	RIGHT OF WAY GRANT	DOC# 365333
	7	RIGHT OF WAY GRANT	DOC# 365334
130	2	ELECTRIC TRANSMISSION EASEMENT (S)	DOC# 751015 DOC# 732343
	3	ELECTRIC TRANSMISSION EASEMENT (S)	DOC# 732130
	4	ELECTRIC TRANSMISSION EASEMENT (S)	DOC# 731253

UTILITY INTERESTS REQUIRED

UTILITY #	OWNER(S)	INTEREST REQUIRED
100	WISCONSIN BELL INC. D/B/A AT&T INC.	RELEASE OF RIGHTS
110	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
120	NSIGHT COMMUNICATIONS	RELEASE OF RIGHTS
130	AMERICAN TRANSMISSION COMPANY (ELECTRIC)	RELEASE OF RIGHTS
140	WISCONSIN PUBLIC SERVICE (GAS)	RELEASE OF RIGHTS
150	STURGEON BAY UTILITIES	RELEASE OF RIGHTS

R/W COORDINATE TABLE

Point #	Y	X
300	158645.298	501228.552
301	158674.295	501350.261
302	159027.690	501471.054
304	159023.070	501706.009
305	159022.219	501749.326
306	159021.570	501782.320
307	159020.930	501815.521
308	159011.932	501815.356
309	158889.633	501874.734
310	158853.723	501922.121
311	158653.459	502021.125
312	158633.554	502040.511
313	158603.559	502040.009
314	158573.563	502039.507
315	158548.201	502039.173
316	158551.143	501816.072
317	158516.322	501713.468
318	158453.152	501689.802
320	158562.451	501337.735
321	158564.884	501153.223
322	158585.527	501153.495
323	158588.721	500889.622
324	158618.719	500889.985
325	158648.716	500890.348
326	158647.272	501009.712

R/W STATION AND OFFSET TABLE TO BAYVIEW ROAD CENTERLINE ALIGNMENT

POINT #	STATION	OFFSET
304	406+91.55	59.53'L
305	406+91.49	16.21'L
306	406+91.44	16.79'R
307	406+91.41	50.00'R
308	406+82.41	50.00'R
309	404+94.28	50.00'R
310	404+34.83	50.00'R
311	402+49.55	50.00'R
312	402+30.36	69.64'R
TLE398	403+73.86	50.00'R
TLE399	403+64.44	67.12'R
TLE400	403+42.35	50.00'R

R/W STATION AND OFFSET TABLE TO MICHIGAN STREET ALIGNMENT

POINT #	STATION	OFFSET
300	116+28.10	31.40'L
301	117+49.41	62.00'L
311	124+20.49	50.01'L
312	124+40.14	30.36'L
313	124+40.03	0.36'L
314	124+39.93	29.64'R
315	124+39.93	55.00'R
316	122+16.81	55.00'R
317	121+14.67	91.17'R
320	117+38.36	50.00'R
321	115+53.83	50.00'R
322	115+53.83	29.36'R
323	112+89.94	29.64'R
324	112+89.91	0.36'L
325	112+16.81	55.00'R
326	114+09.25	30.49'L
TLE401	122.80.43	55.00'R
TLE402	121+73.36	70.39'R
TLE403	112+89.87	39.99'L
TLE404	116+26.83	41.40'L
TLE405	117+63.31	75.82'L
2416	118+40.83	153.02'R
2417	117+17.65	29.18'R
2419	117+18.05	30.82'L
2420	118+63.98	175.90'L
5332	120+92.01	127.72'R

R/W STATION AND OFFSET TABLE TO S.T.H. "42"/"57" CENTERLINE ALIGNMENT

POINT #	STATION	OFFSET
300	838+92.92	372.11'L
301	839+24.34	251.00'L
302	842+80.08	137.29'L
304	842+80.15	97.71'R
305	842+80.16	141.04'R
306	842+80.17	174.04'R
307	842+80.19	207.25'R
308	842+71.19	207.26'R
309	841+50.10	269.07'R
310	841+15.15	317.16'R
311	839+16.90	420.14'R
312	838+97.39	439.92'R
313	838+67.39	440.02'R
314	838+37.39	440.12'R
315	838+12.02	440.29'R
316	838+10.51	217.17'R
317	837+73.65	115.29'R
318	837+10.02	92.89'R
320	838+12.27	261.29'L
321	838+11.02	445.82'L
322	838+31.66	445.96'L
323	838+29.59	709.84'L
324	838+59.59	710.08'L
325	838+89.59	710.31'L
326	838+90.53	590.94'L
TLE398	840+61.70	371.09'R
TLE399	840+61.61	392.09'R
TLE400	840+28.34	391.94'R
TLE401	838+10.94	280.80'R
TLE402	837+94.83	173.83'R
TLE403	838+99.22	710.39'L
TLE404	839+02.91	373.44'L
TLR405	839+38.25	237.20'L
2416	837+09.94	158.13'L
2419	838+92.95	282.15'L
2420	840+39.01	137.21'L
5332	837+39.95	92.88'R

SECTION COURSE TABLE

COURSE	BEARING	DISTANCE
130-128	N 00°25'38" W	2638.59'
130-129	S 00°30'15" E	2665.11'
130-324	S 89°18'24" E	1783.37'
130-120	S 89°18'24" E	2665.71'
120-131	N 01°23'40" E	2643.79'
120-121	S 89°02'28" E	2717.31'
120-119	S 00°08'06" E	2660.03'
120-313	S 89°02'28" E	267.79'
131-128	N 89°25'17" W	2749.66'
129-119	S 89°24'35" E	2648.48'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
324-325	N 00°41'36" E	30.00'
325-326	S 89°18'24" E	119.37'
326-300	S 89°29'00" E	218.85'
300-301	N 76°35'57" E	125.12'
301-2420	N 45°55'20" E	161.55'
2420-302	N 01°07'35" E	241.06'
302-303	S 88°52'25" E	137.29'
303-304	S 88°52'25" E	97.71'
304-305	S 88°52'25" E	43.33'
305-306	S 88°52'25" E	33.00'
306-307	S 88°53'48" E	33.21'
307-308	S 01°02'59" W	9.00'
308-309	CURVE	
309-310	S 52°50'41" E	59.46'
310-311	CURVE	
311-312	S 44°14'40" E	27.79'
312-313	S 00°57'32" W	30.00'
313-314	S 00°57'32" W	30.00'
314-315	S 00°45'20" W	25.36'
315-316	N 89°14'40" W	223.12'
316-317	S 71°15'16" W	108.35'
317-5332	S 32°33'07" W	43.00'
5332-318	S 01°07'35" W	26.93'
318-319	N 88°52'25" W	92.89'
319-2416	N 88°52'25" W	158.13'
2416-320	N 44°05'25" W	145.31'
320-321	N 89°14'40" W	184.53'
321-322	N 00°45'20" E	20.65'
322-323	N 89°18'24" W	263.89'
323-234	N 00°41'37" E	30.00'

EXISTING MONUMENTS

Point #	Y	X	DESCRIPTION
155	159065.682	501783.394	3/4" IRON ROD
2416	158458.086	501438.837	1" IRON PIPE
2417	158583.544	501317.301	1" IRON PIPE
2419	158643.534	501318.493	1" IRON PIPE
2420	158786.673	501466.315	1" IRON PIPE
5332	158480.078	501690.331	1" IRON PIPE

BASIS OF EXISTING R/W TABLE

ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL. / PAGE	YEAR
S.T.H 42	4150-1-23	5	284/614	1976
S.T.H 42	4150-1-23	6	283/585	1976
S.T.H 42	4150-1-23	6	305/424	1977
S.T.H 42	4150-1-23	7	279/438	1975
S.T.H. 42	4430-12-00	-	-	2013
BAYVIEW RD.	SURVEY BY KENNETH J. BREY JR	-	-	2003
MICHIGAN ST.	SPRING OAKS-SOUTH	-	-	1995

STA. 842+80.24, 0.00' RT.
Y = 159024.991
X = 501608.314
=STA 842+78.28, 12.29' RT.
(PROJECT 4150-1-23)

STA. 112+50.00, 0.00' RT.
Y = 158618.885
X = 500850.075

STA. 837+09.991, 0.00' RT.
Y = 158454.978
X = 501596.935
=STA 837+08.03, 12.11' RT.
(PROJECT 4150-1-23)

STA. 125+50.00, 0.00' RT.
Y = 158601.745
X = 502149.962

FND ALUMINUM MONUMENT
County Coordinates
Y = 161278.815
X = 499087.072

FND PK NAIL
County Coordinates
Y = 158640.302
X = 499106.742

FND PK NAIL
County Coordinates
Y = 155975.298
X = 499130.187

FND ALUMINUM MONUMENT
County Coordinates
Y = 161251.042
X = 501836.595

FND PK NAIL
County Coordinates
Y = 158608.040
X = 501772.253
LOT 1 CSM#1698
V.10/P.168

FND ALUMINUM MONUMENT
County Coordinates
Y = 155948.018
X = 501778.526

FND SURVEY SPINDLE
County Coordinates
Y = 158562.567
X = 504489.184

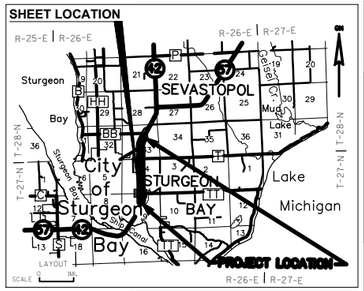
BAYVIEW RD. R/L CURVE DATA
CURVE C2
PI = 405+95.96
Y = 158911.192
X = 501763.501
Δ = 53°53'40"
D = 28°38'52"
T = 101.67'
L = 188.13'
R = 200.00'
LCH = 181.27'
LCB = N25°53'51"W
PC = 404+94.28
PT = 406+82.41

CURVE 308-309
L = 141.10'
LC = 135.95'
LCB = S25° 53' 51"E
R = 150.00'

BAYVIEW RD. R/L CURVE DATA
CURVE C1
PI = 403+48.76
Y = 158752.854
X = 501972.441
Δ = 53°36'01"
D = 28°38'52"
T = 101.03'
L = 187.10'
R = 200.00'
LCH = 180.35'
LCB = N26°02'41"W
PC = 402+47.73
PT = 404+34.83

CURVE 310-311
L = 231.59'
LC = 223.40'
LCB = S26° 18' 22"E
R = 250.00'

SHEET LOCATION



QUEST
Civil Engineers, LLC

2811 8th Street South, Suite 8
Wisconsin Rapids, WI 54494
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

SIGNATURE: Kolby F. Schertz DATE: 02/24/2015
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION

SIGNATURE: Curt Van Erem DATE: 03/02/2015
PRINT NAME: CURT VAN EREM

FILE NAME : S:\DESIGN\DESIGN PROJECTS\4140-20-02 (STH 42) - TENG\SURVEY\TPP INFO\DRAWINGS\41402023_STH42_TPP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : February 24, 2015 PLOT BY : KOLBY SCHERTZ PLOT NAME : STH 42/57 PLOT SCALE : 1" = 100'

TRANSPORTATION PROJECT PLAT NO: 4140-20-23 - 4.02

LOCATED IN PART OF THE NW 1/4 - SE 1/4 OF SECTION 33, TOWN OF SEVASTOPOL, TOWNSHIP 28 NORTH, RANGE 26 EAST, DOOR COUNTY, WISCONSIN

RELOCATION ORDER STH 42 CITY OF STURGEON BAY (MICHIGAN STREET TO EGG HARBOR ROAD) DOOR COUNTY

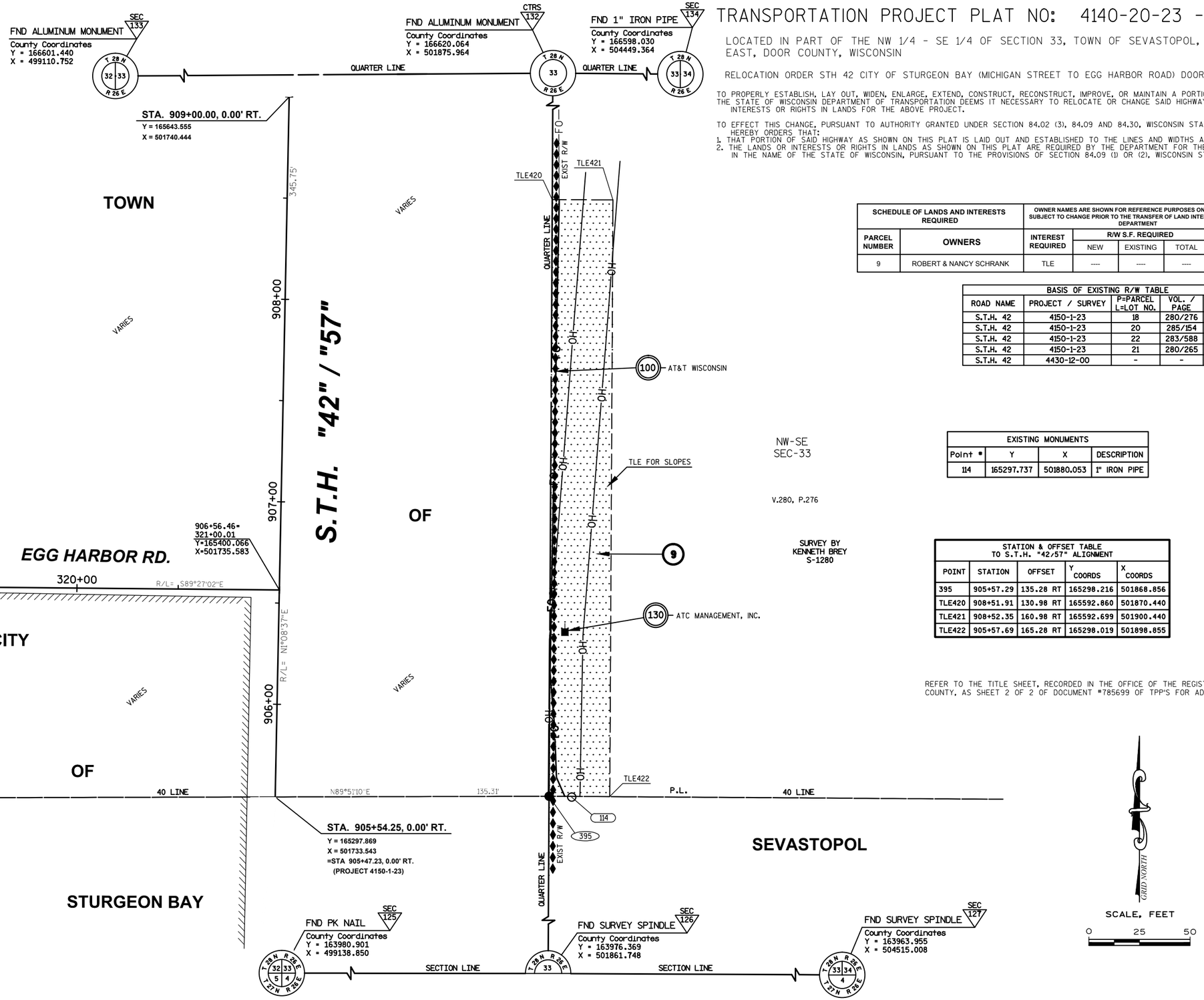
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

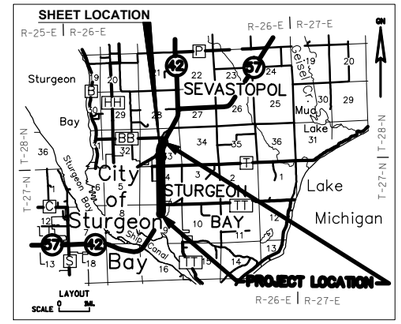
DOC#: 787001
Recorded
MAY 6, 2015 AT 01:04PM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
Fee Amount Paid: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-20-23 - 4.02
AMENDMENT NO:___



SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
9	ROBERT & NANCY SCHRANK	TLE	----	----	----	8,840

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL. / PAGE	YEAR
S.T.H. 42	4150-1-23	18	280/276	1975
S.T.H. 42	4150-1-23	20	285/154	1976
S.T.H. 42	4150-1-23	22	283/588	1976
S.T.H. 42	4150-1-23	21	280/265	1975
S.T.H. 42	4430-12-00	-	-	2013



EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
114	165297.737	501880.053	1" IRON PIPE

UTILITY INTEREST TABLE			
UTILITY #	PARCEL #	INTEREST DESCRIPTION	RECORDING DATA
100	9	GENERAL EASEMENT	DOC# 392289
130	9	ELECTRIC TRANSMISSION EASEMENT(S)	DOC# 748508
140	9	GENERAL EASEMENT	DOC# 388325

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
100	AT&T WISCONSIN	RELEASE OF RIGHTS
130	ATC MANAGEMENT, INC.	RELEASE OF RIGHTS
140	WISCONSIN PUBLIC SERVICE CORPORATION - GAS	RELEASE OF RIGHTS

STATION & OFFSET TABLE TO S.T.H. "42/57" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
395	905+57.29	135.28 RT	165298.216	501868.856
TLE420	908+51.91	130.98 RT	165592.860	501870.440
TLE421	908+52.35	160.98 RT	165592.699	501900.440
TLE422	905+57.69	165.28 RT	165298.019	501898.855

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
126-127	S 89°43'55" E	2653.29'
127-134	N 01°25'39" W	2634.89'
134-132	N 89°30'34" W	2573.49'
132-133	S 89°36'51" W	2765.28'
133-125	S 00°36'52" E	2620.69'
125-126	S 89°54'17" E	2722.90'
126-132	N 00°18'29" E	2643.73'
126-395	N 00°18'29" E	1321.87'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
395-420	N 0°18'29" E	294.65'
420-421	S 89°41'31" E	30.00'
421-422	S 0°18'29" W	294.69'
422-395	N 89°37'21" W	30.00'

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN DOOR COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #785699 OF TPP'S FOR ADDITIONAL INFORMATION.

QUEST
Civil Engineers, LLC
2701 Larsen Road, Suite 123
Green Bay, WI 54303
Office: 920-309-3318
Fax: 920-496-6009

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kolby Schertz DATE:04/28/2015
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

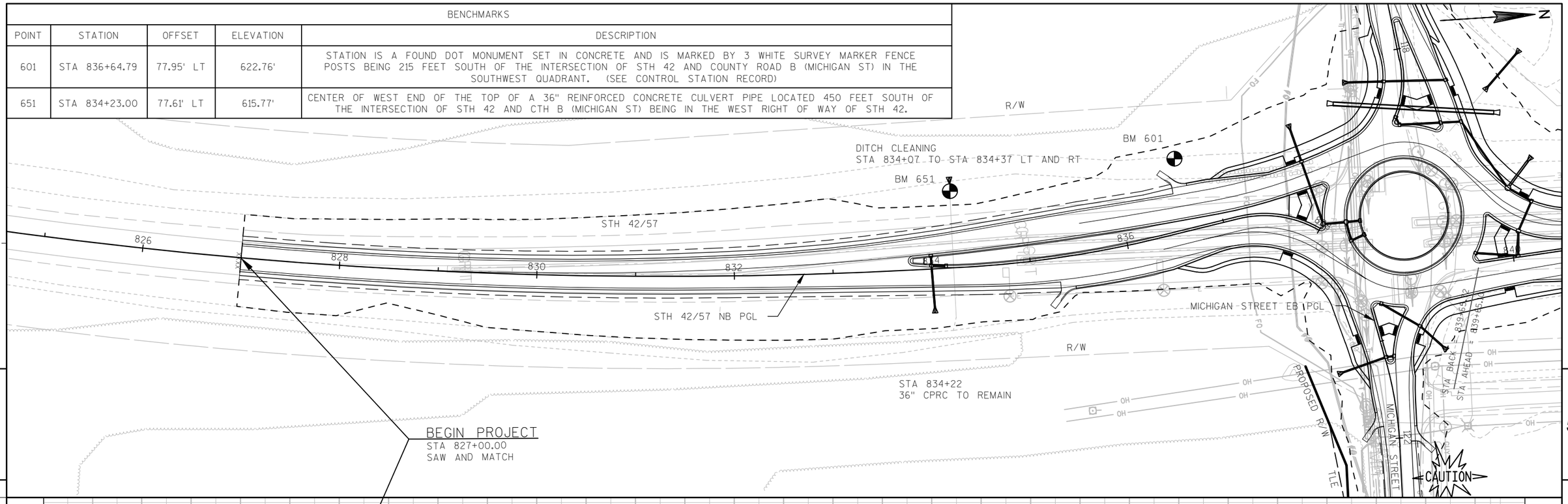
WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION

SIGNATURE: Curt Van Erem DATE:04/28/2015
PRINT NAME: CURT VAN EREM

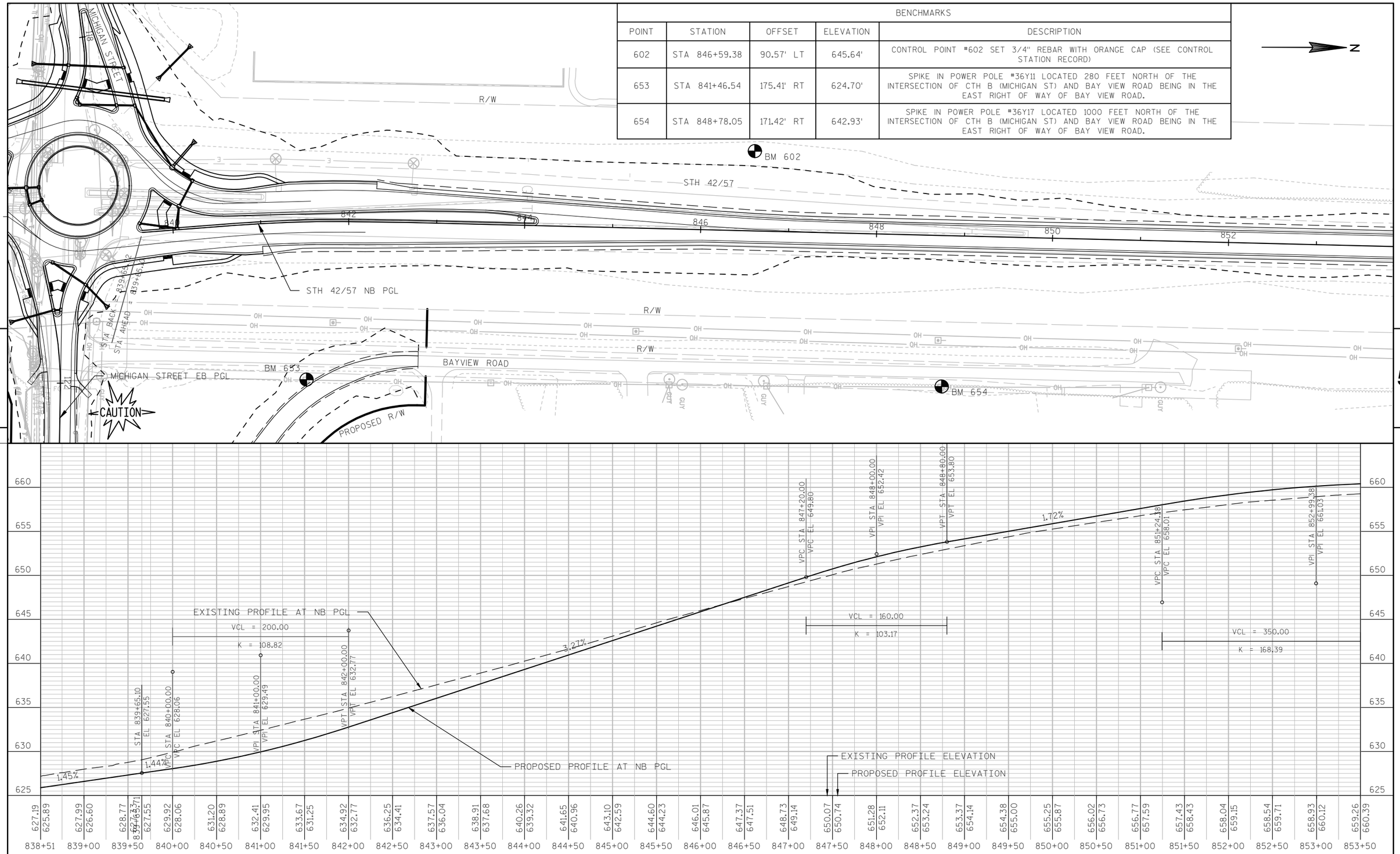
FILE NAME : S:\DESIGN\DESIGN PROJECTS\4140-20-02 (STH 42) - TENG\SURVEY\TPP INFO\DRAWINGS\41402023_STH42_TPP-4.02.DWG
PLOT DATE : April 28, 2015 PLOT BY : KOLBY SCHERTZ PLOT NAME : STH 42/57 PLOT SCALE : 1" = 25'
APPRAISAL PLAT DATE : ----------

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
601	STA 836+64.79	77.95' LT	622.76'	STATION IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS BEING 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B (MICHIGAN ST) IN THE SOUTHWEST QUADRANT. (SEE CONTROL STATION RECORD)
651	STA 834+23.00	77.61' LT	615.77'	CENTER OF WEST END OF THE TOP OF A 36" REINFORCED CONCRETE CULVERT PIPE LOCATED 450 FEET SOUTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE WEST RIGHT OF WAY OF STH 42.



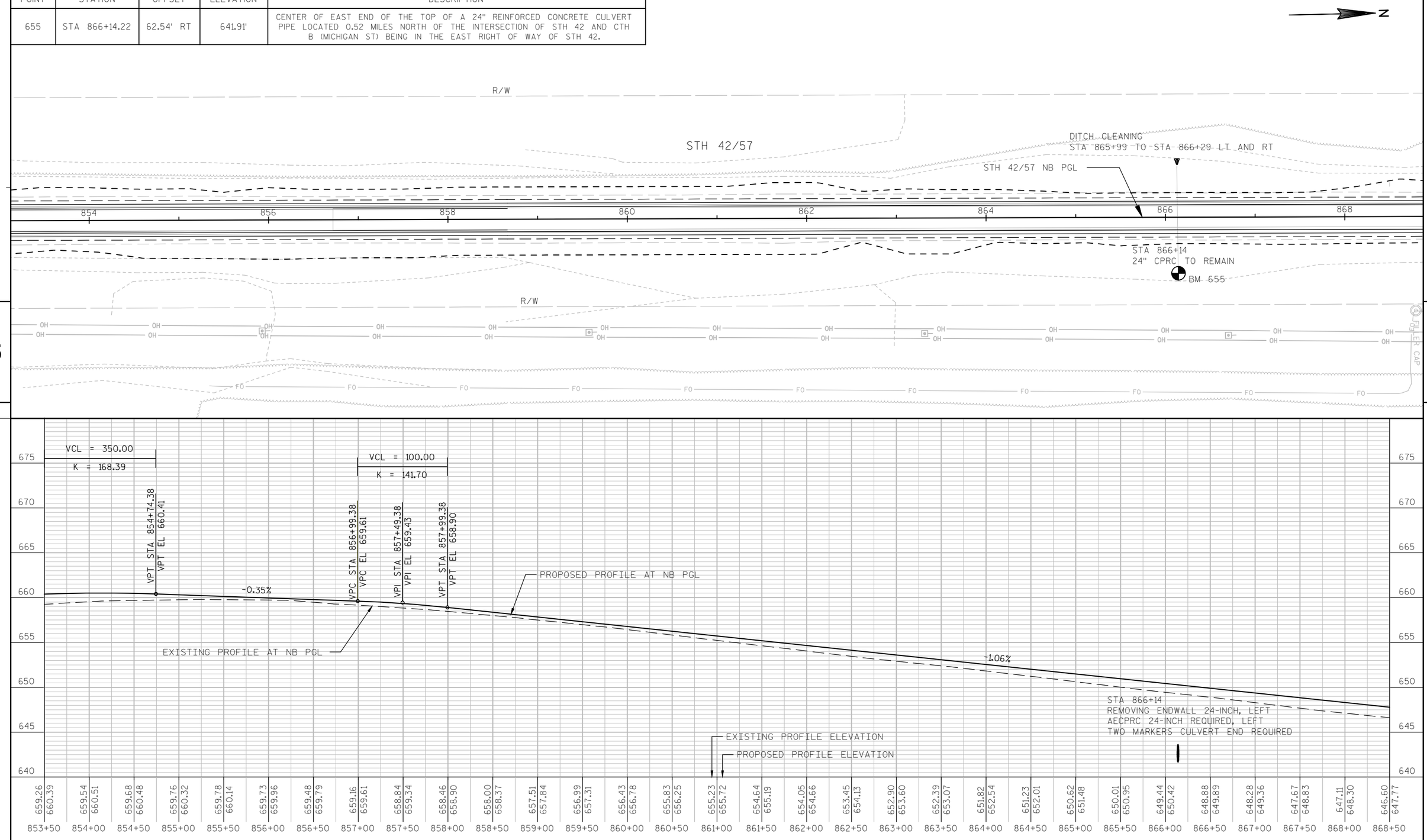
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 178	E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
602	STA 846+59.38	90.57' LT	645.64'	CONTROL POINT #602 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD)
653	STA 841+46.54	175.41' RT	624.70'	SPIKE IN POWER POLE #36Y11 LOCATED 280 FEET NORTH OF THE INTERSECTION OF CTH B (MICHIGAN ST) AND BAY VIEW ROAD BEING IN THE EAST RIGHT OF WAY OF BAY VIEW ROAD.
654	STA 848+78.05	171.42' RT	642.93'	SPIKE IN POWER POLE #36Y17 LOCATED 1000 FEET NORTH OF THE INTERSECTION OF CTH B (MICHIGAN ST) AND BAY VIEW ROAD BEING IN THE EAST RIGHT OF WAY OF BAY VIEW ROAD.



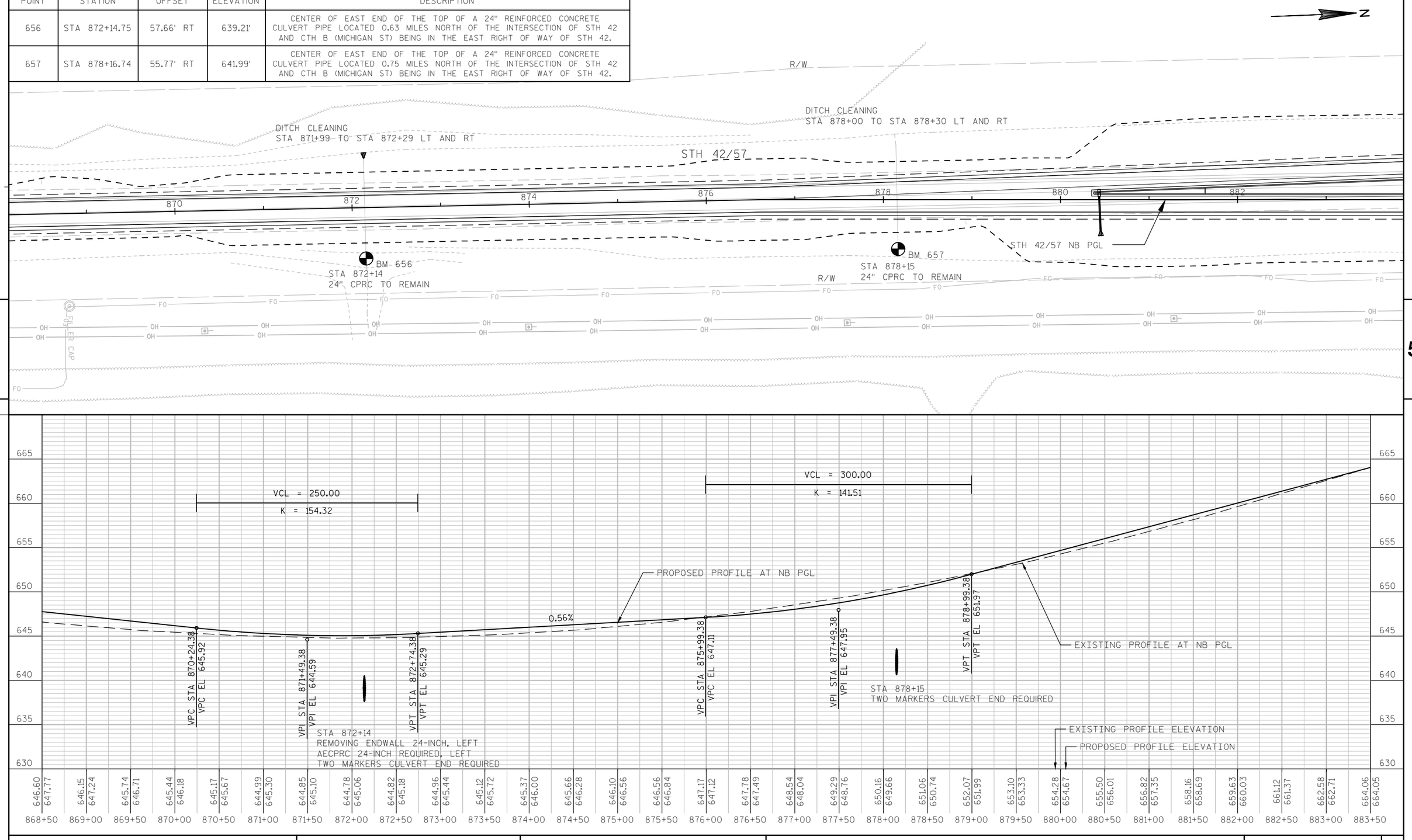
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 179	E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
655	STA 866+14.22	62.54' RT	641.91'	CENTER OF EAST END OF THE TOP OF A 24" REINFORCED CONCRETE CULVERT PIPE LOCATED 0.52 MILES NORTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE EAST RIGHT OF WAY OF STH 42.



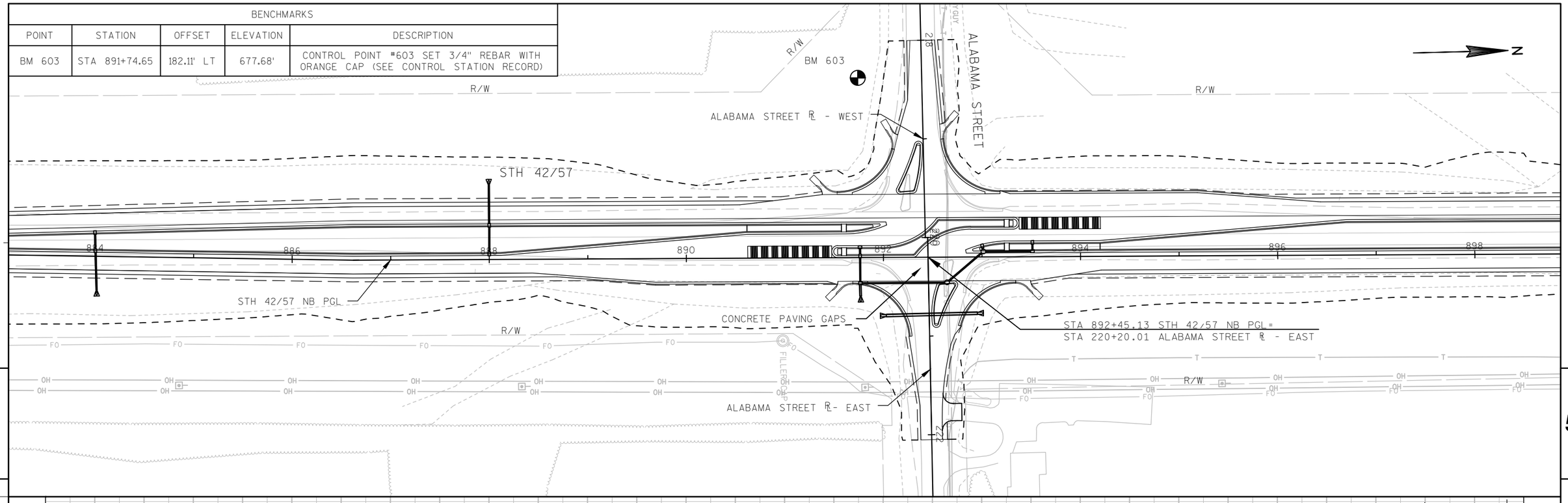
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 180 E

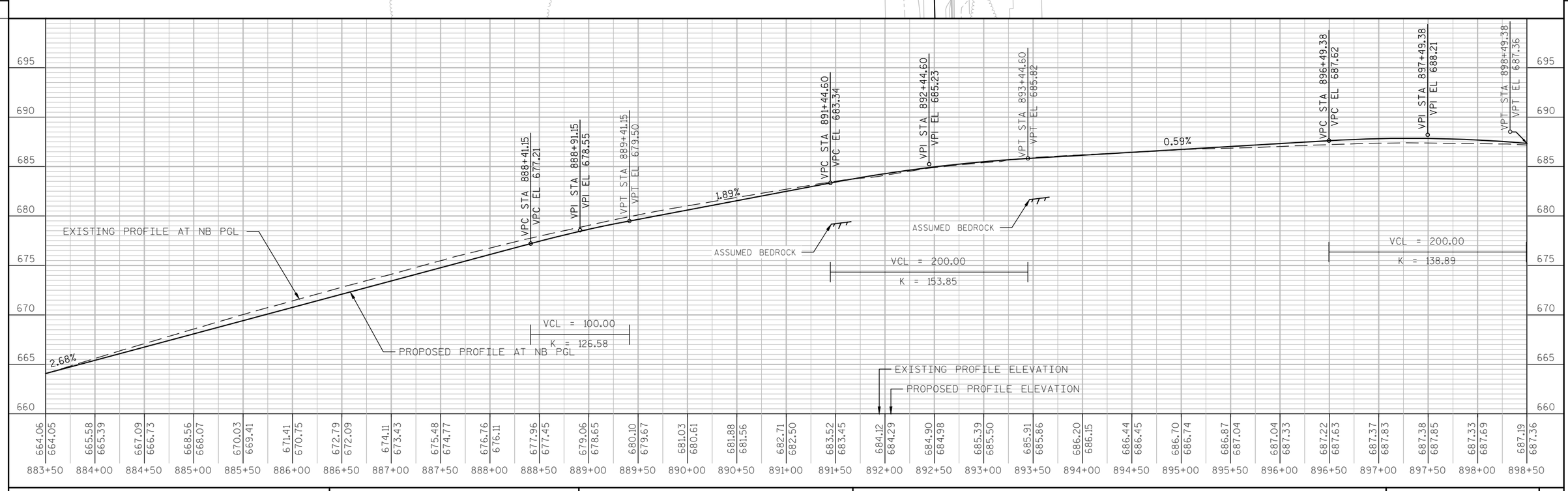
BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
656	STA 872+14.75	57.66' RT	639.21'	CENTER OF EAST END OF THE TOP OF A 24" REINFORCED CONCRETE CULVERT PIPE LOCATED 0.63 MILES NORTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE EAST RIGHT OF WAY OF STH 42.
657	STA 878+16.74	55.77' RT	641.99'	CENTER OF EAST END OF THE TOP OF A 24" REINFORCED CONCRETE CULVERT PIPE LOCATED 0.75 MILES NORTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE EAST RIGHT OF WAY OF STH 42.



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 181 E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 603	STA 891+74.65	182.11' LT	677.68'	CONTROL POINT #603 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD)

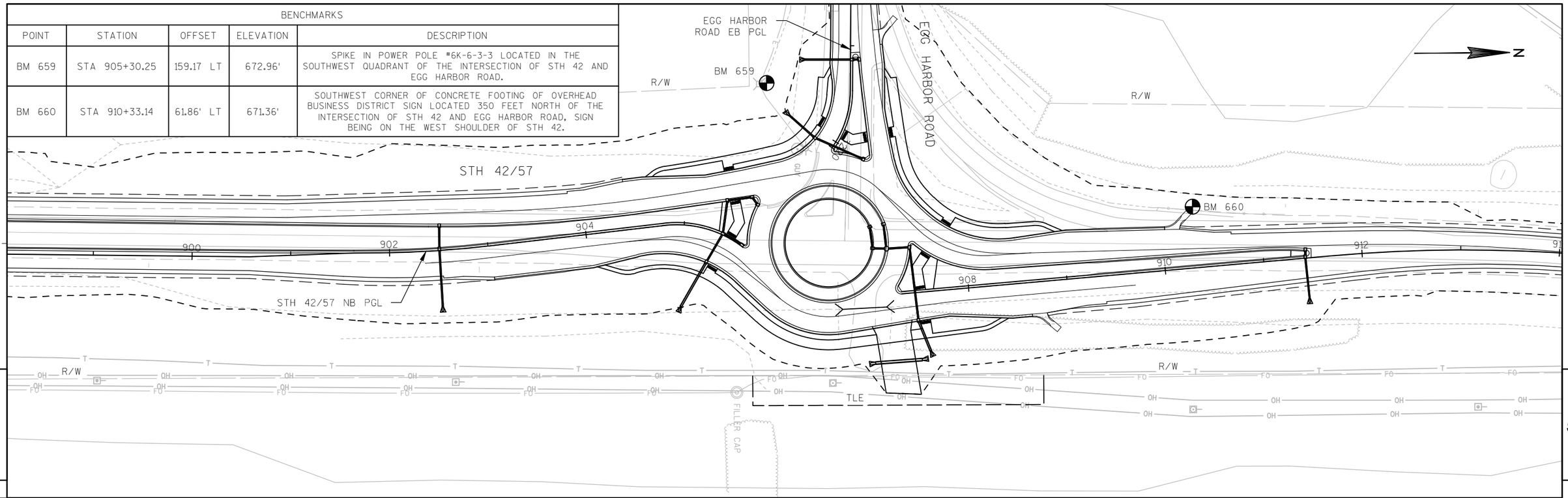


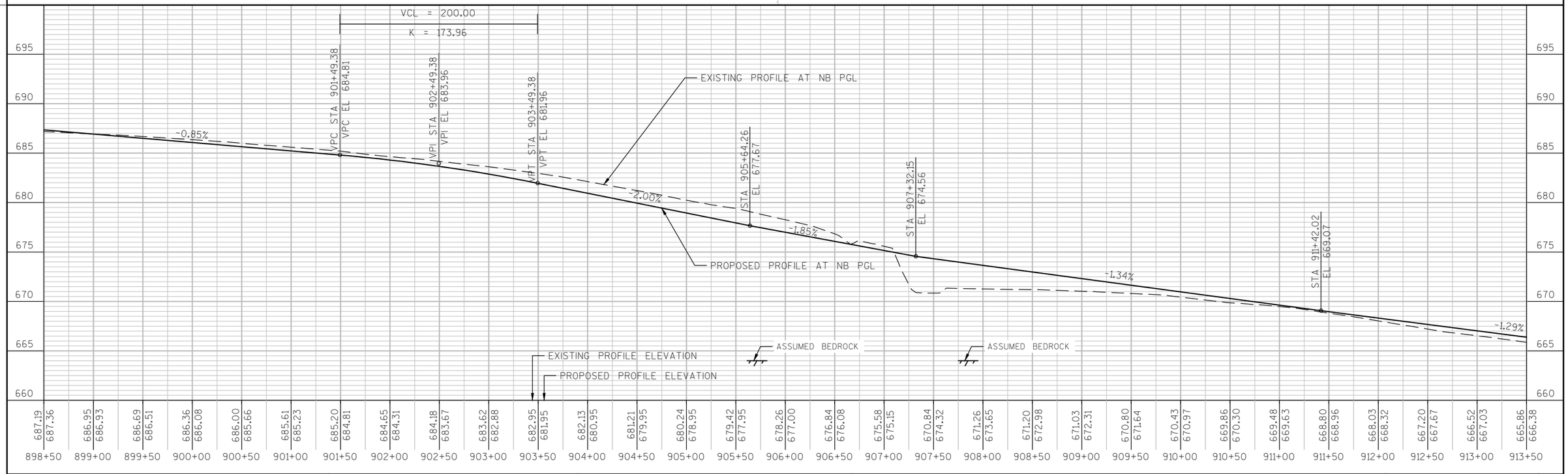


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 182	E

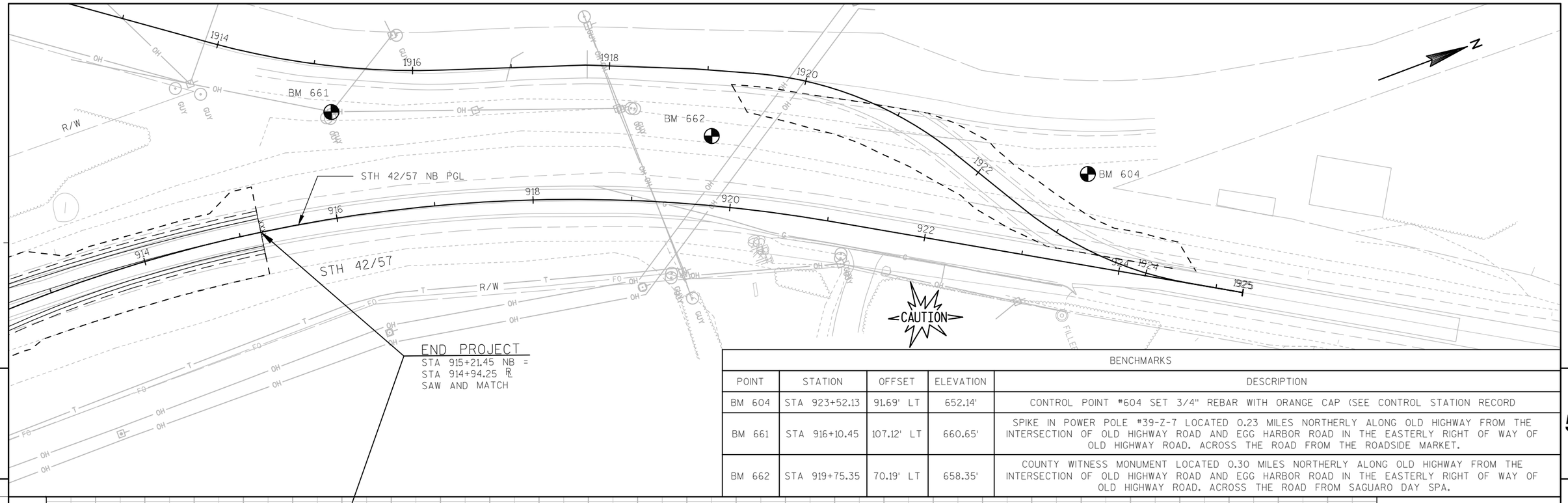
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\050105_PP.DWG PLOT DATE : 12/10/2015 1:02 PM PLOT BY : JASEN GROVES PLOT NAME : 050105_PP PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 659	STA 905+30.25	159.17 LT	672.96'	SPIKE IN POWER POLE #6K-6-3-3 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD.
BM 660	STA 910+33.14	61.86' LT	671.36'	SOUTHWEST CORNER OF CONCRETE FOOTING OF OVERHEAD BUSINESS DISTRICT SIGN LOCATED 350 FEET NORTH OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD, SIGN BEING ON THE WEST SHOULDER OF STH 42.

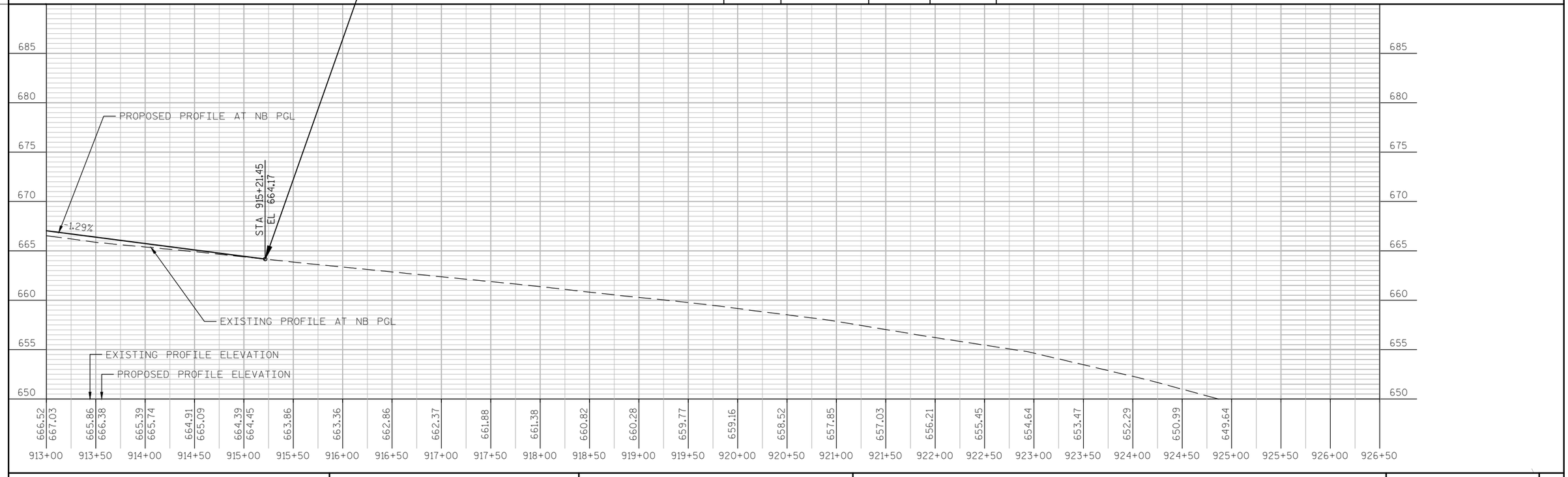




PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 183	E

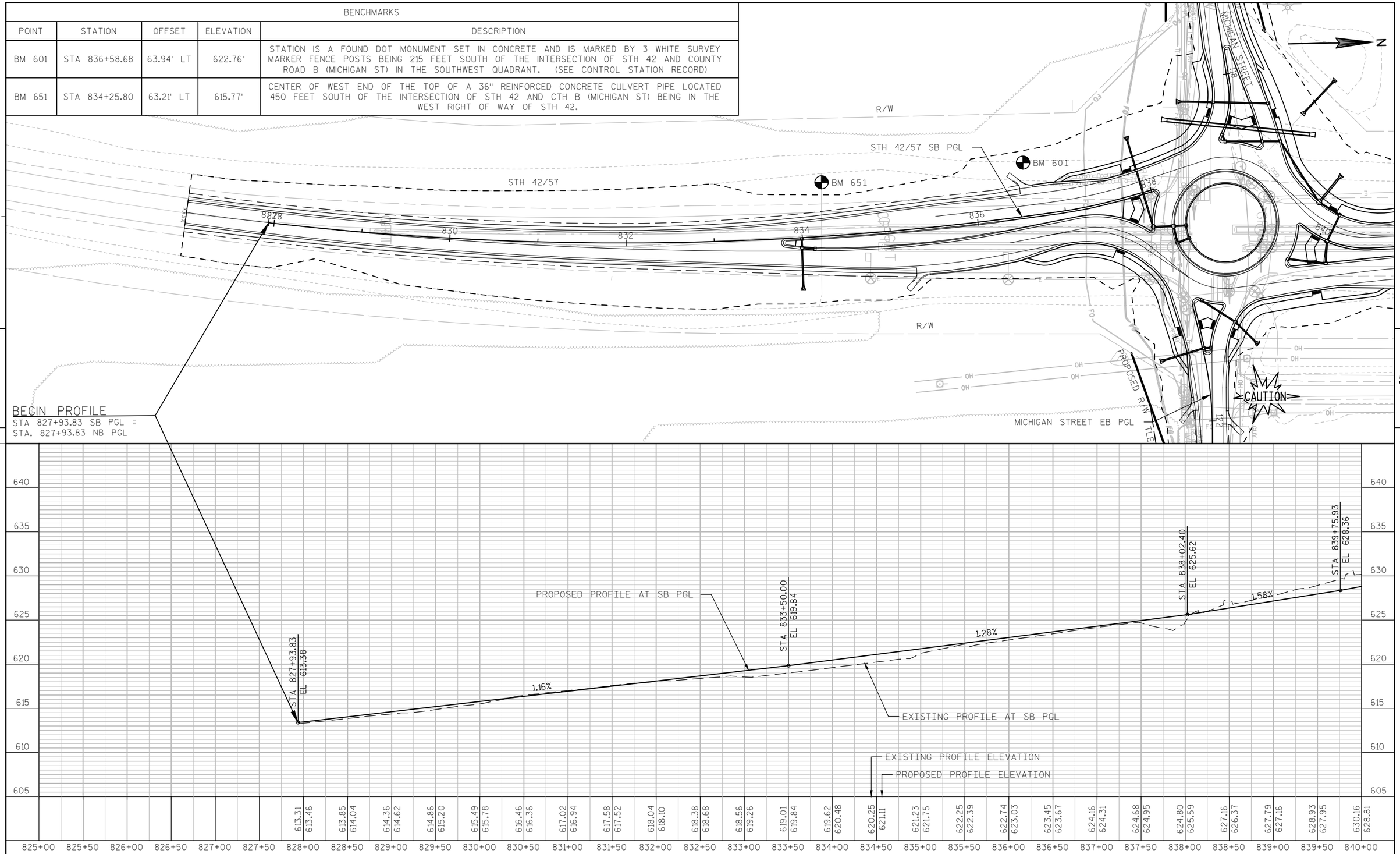


BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 604	STA 923+52.13	91.69' LT	652.14'	CONTROL POINT #604 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD
BM 661	STA 916+10.45	107.12' LT	660.65'	SPIKE IN POWER POLE #39-Z-7 LOCATED 0.23 MILES NORTHERLY ALONG OLD HIGHWAY FROM THE INTERSECTION OF OLD HIGHWAY ROAD AND EGG HARBOR ROAD IN THE EASTERLY RIGHT OF WAY OF OLD HIGHWAY ROAD. ACROSS THE ROAD FROM THE ROADSIDE MARKET.
BM 662	STA 919+75.35	70.19' LT	658.35'	COUNTY WITNESS MONUMENT LOCATED 0.30 MILES NORTHERLY ALONG OLD HIGHWAY FROM THE INTERSECTION OF OLD HIGHWAY ROAD AND EGG HARBOR ROAD IN THE EASTERLY RIGHT OF WAY OF OLD HIGHWAY ROAD. ACROSS THE ROAD FROM SAGUARO DAY SPA.



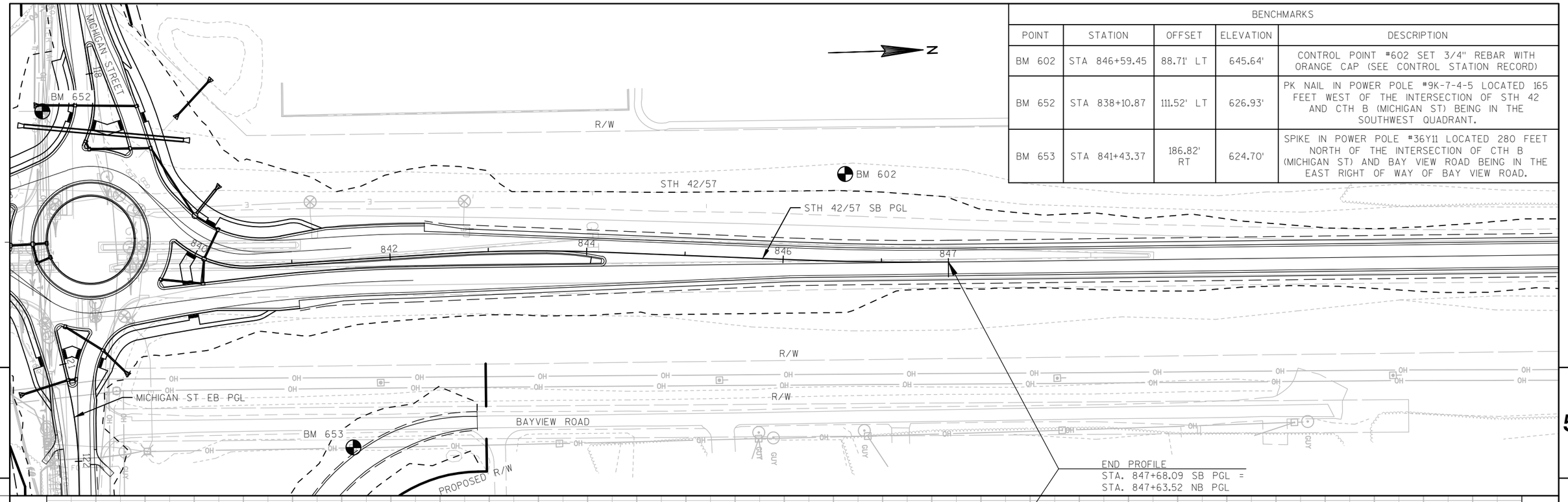
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (NORTHBOUND)	SHEET 184	E

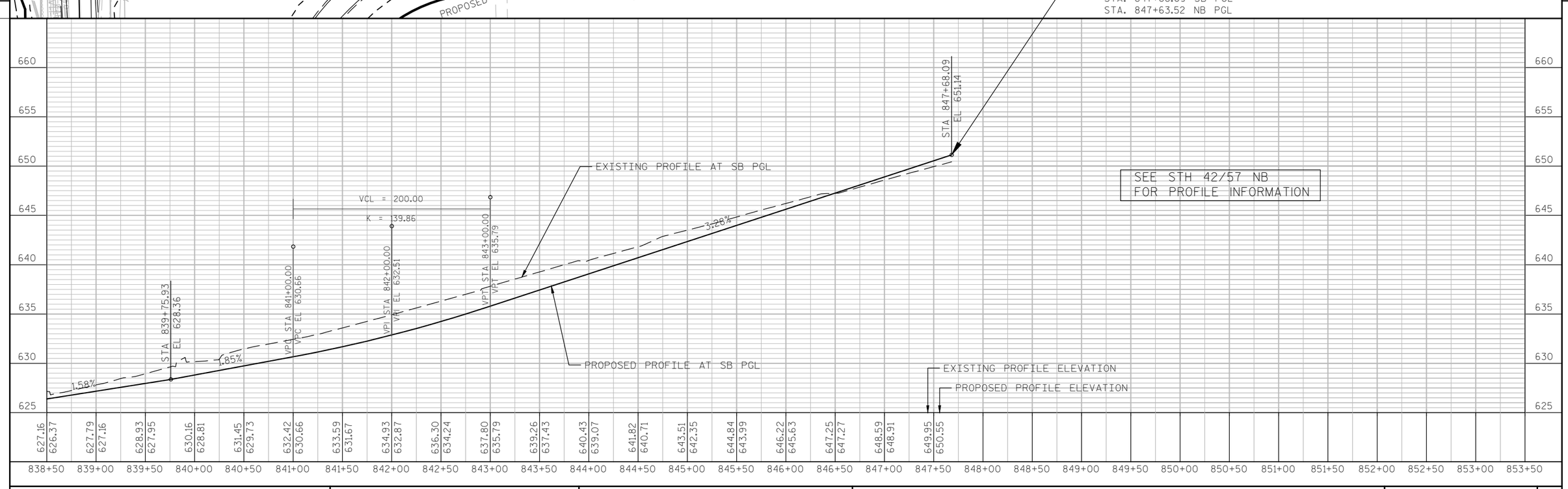
BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 601	STA 836+58.68	63.94' LT	622.76'	STATION IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS BEING 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B (MICHIGAN ST) IN THE SOUTHWEST QUADRANT. (SEE CONTROL STATION RECORD)
BM 651	STA 834+25.80	63.21' LT	615.77'	CENTER OF WEST END OF THE TOP OF A 36" REINFORCED CONCRETE CULVERT PIPE LOCATED 450 FEET SOUTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE WEST RIGHT OF WAY OF STH 42.



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 185	E

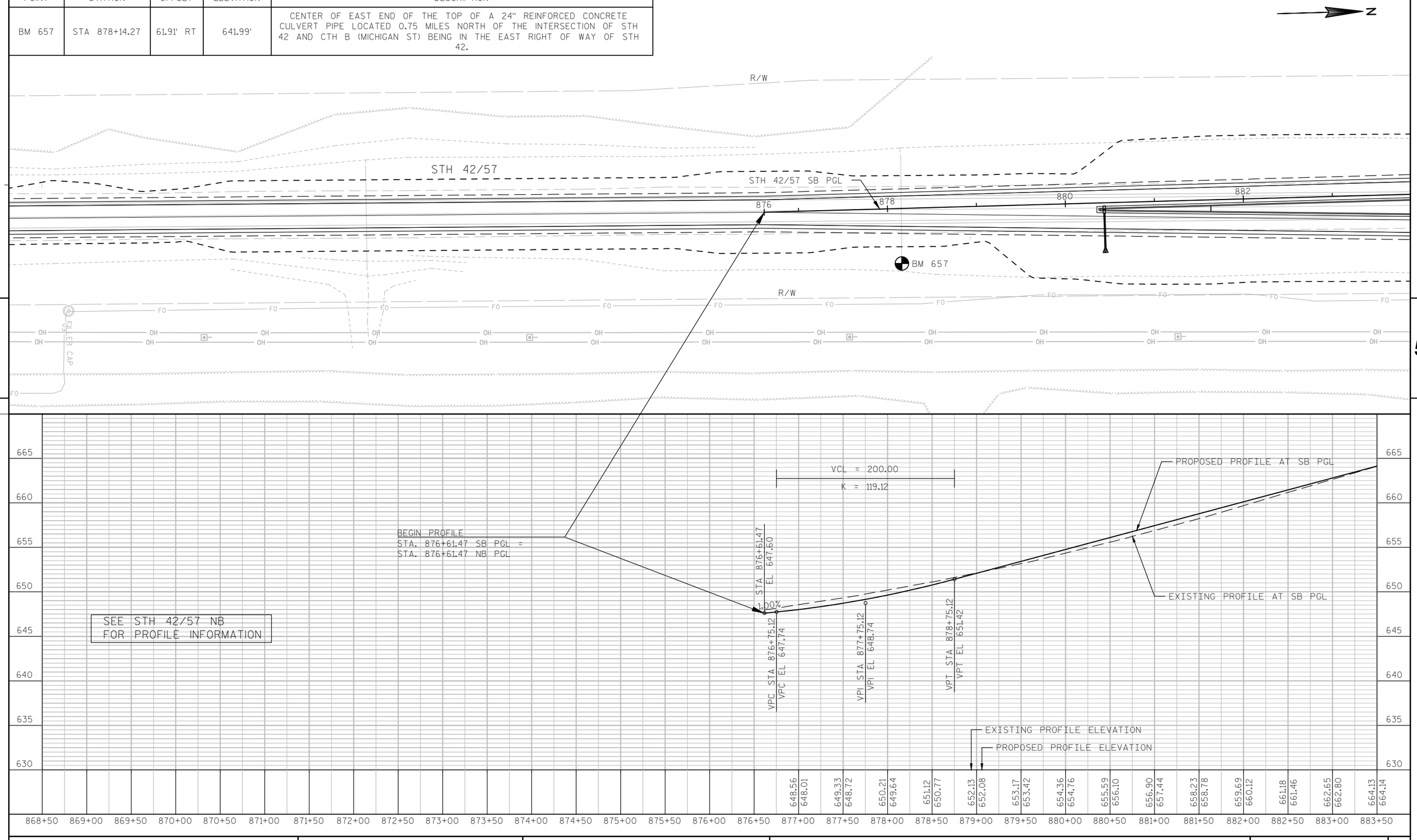
BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 602	STA 846+59.45	88.71' LT	645.64'	CONTROL POINT #602 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD)
BM 652	STA 838+10.87	111.52' LT	626.93'	PK NAIL IN POWER POLE #9K-7-4-5 LOCATED 165 FEET WEST OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE SOUTHWEST QUADRANT.
BM 653	STA 841+43.37	186.82' RT	624.70'	SPIKE IN POWER POLE #36Y11 LOCATED 280 FEET NORTH OF THE INTERSECTION OF CTH B (MICHIGAN ST) AND BAY VIEW ROAD BEING IN THE EAST RIGHT OF WAY OF BAY VIEW ROAD.





PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 186	E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 657	STA 878+14.27	61.91' RT	641.99'	CENTER OF EAST END OF THE TOP OF A 24" REINFORCED CONCRETE CULVERT PIPE LOCATED 0.75 MILES NORTH OF THE INTERSECTION OF STH 42 AND CTH B (MICHIGAN ST) BEING IN THE EAST RIGHT OF WAY OF STH 42.



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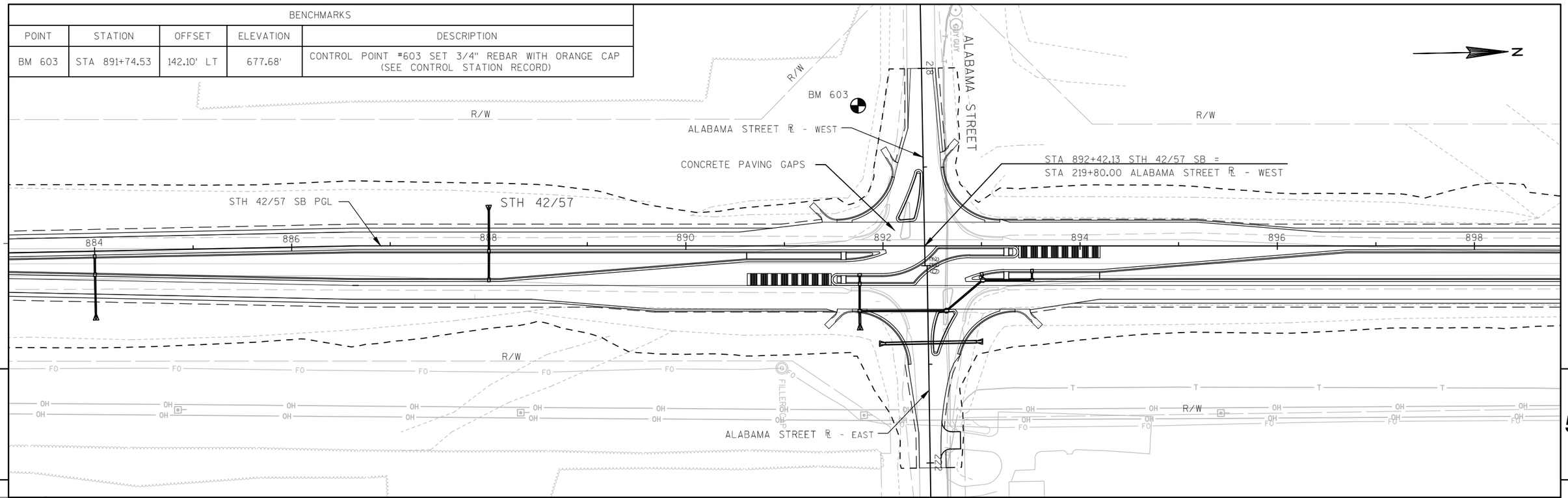
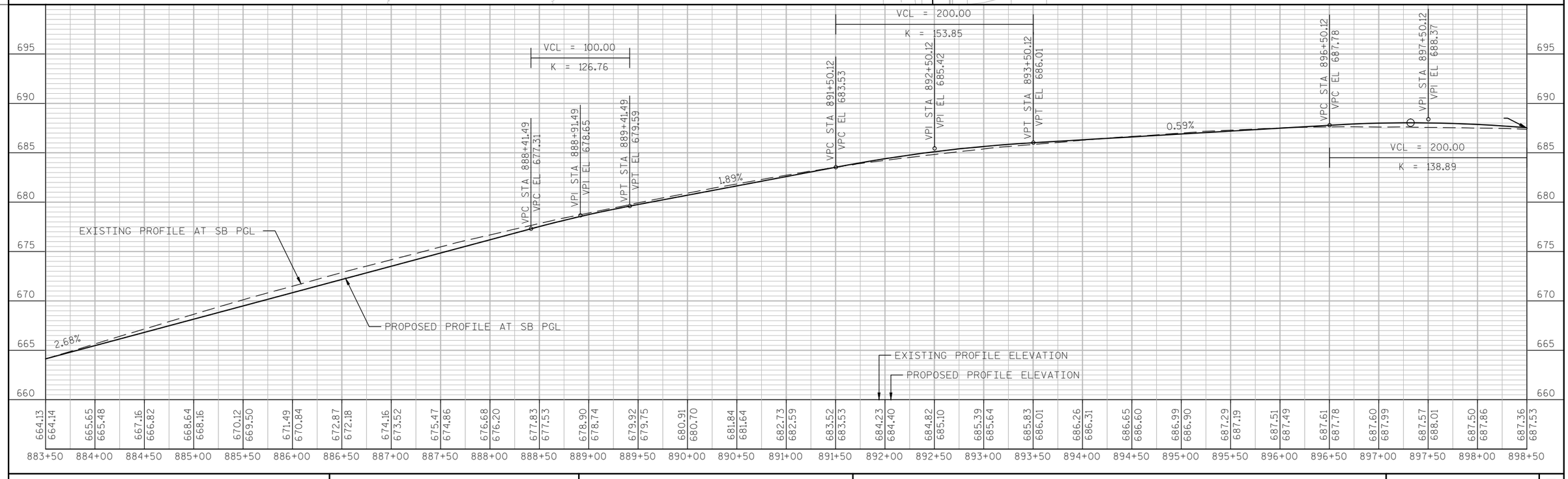
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 187 E

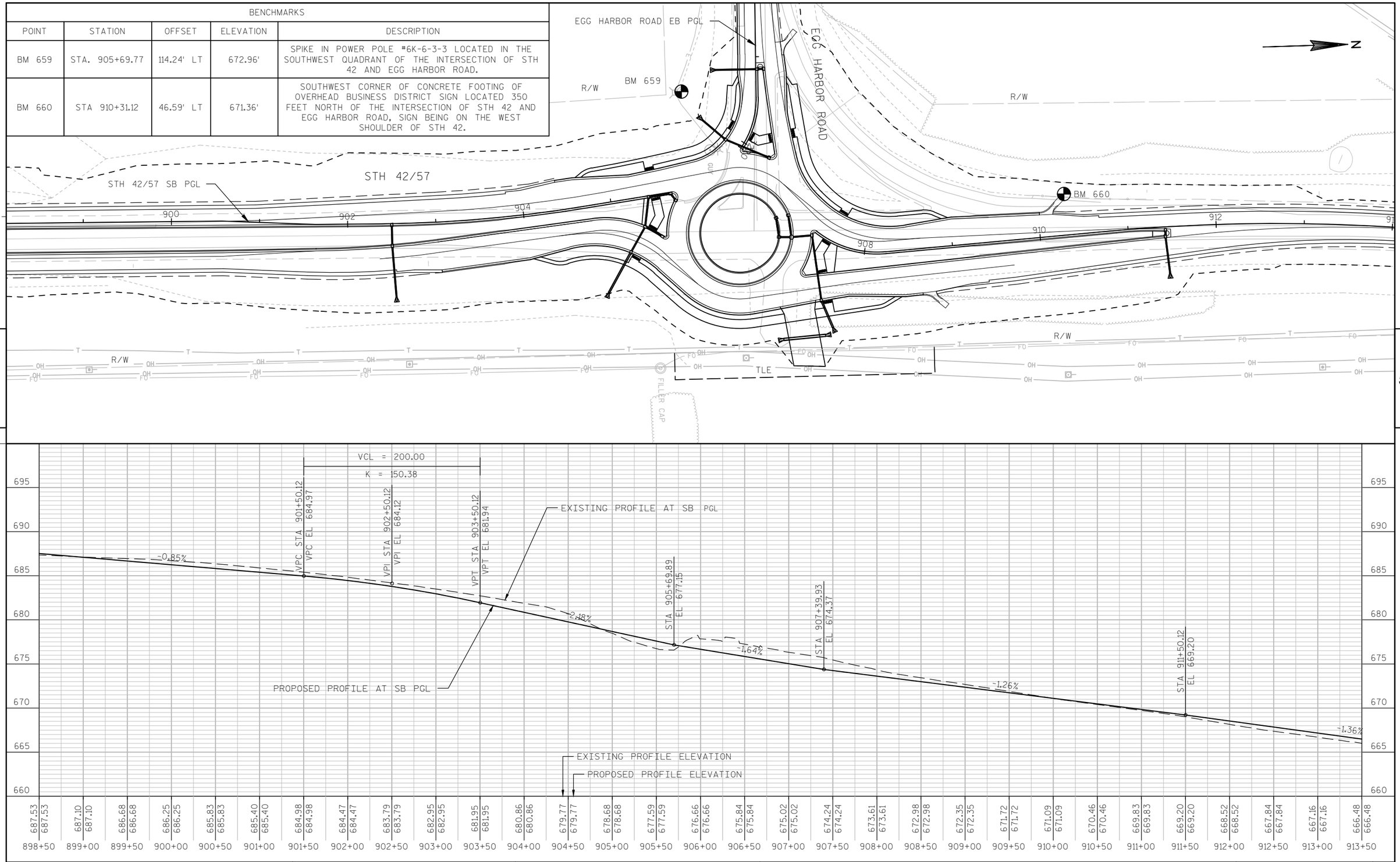
BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 603	STA 891+74.53	142.10' LT	677.68'	CONTROL POINT #603 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD)



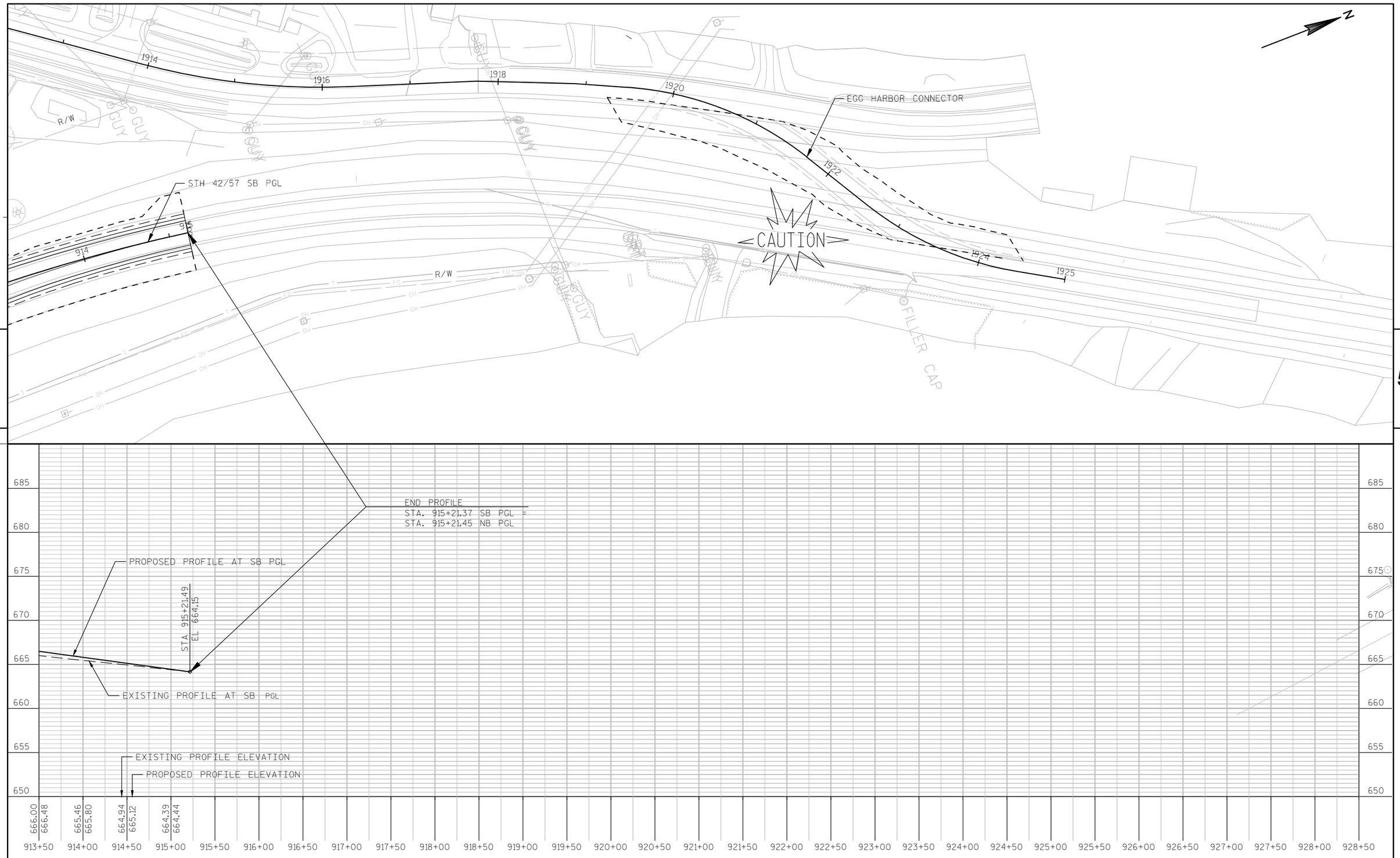


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 188 E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 659	STA. 905+69.77	114.24' LT	672.96'	SPIKE IN POWER POLE #6K-6-3-3 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD.
BM 660	STA 910+31.12	46.59' LT	671.36'	SOUTHWEST CORNER OF CONCRETE FOOTING OF OVERHEAD BUSINESS DISTRICT SIGN LOCATED 350 FEET NORTH OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD, SIGN BEING ON THE WEST SHOULDER OF STH 42.



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 189	E



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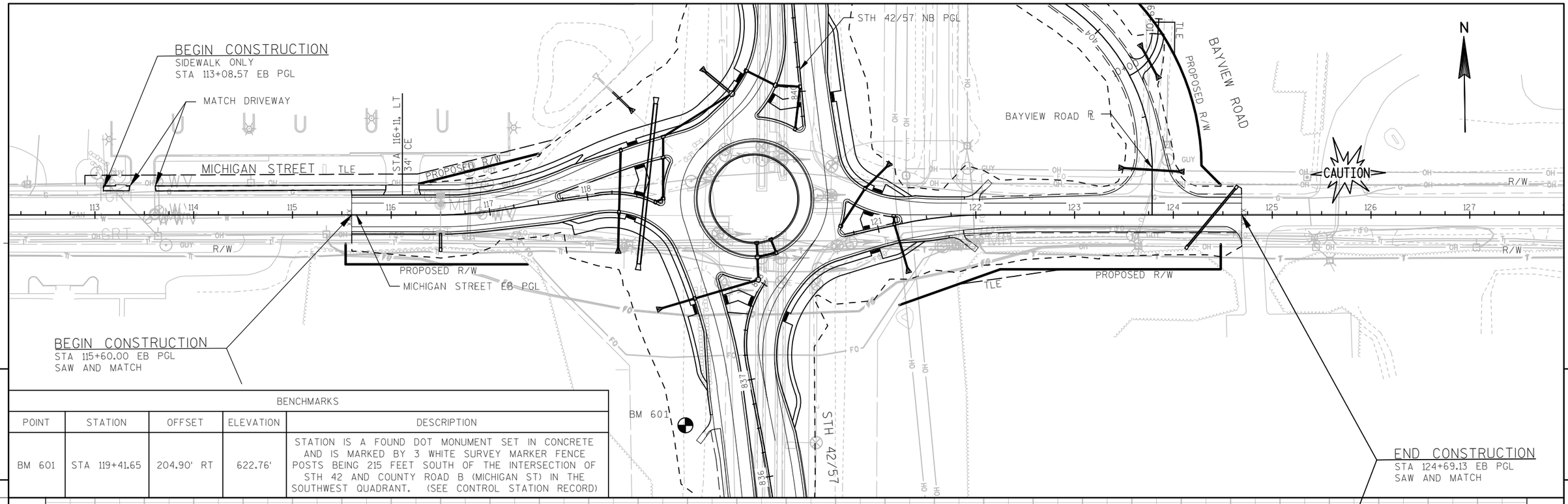
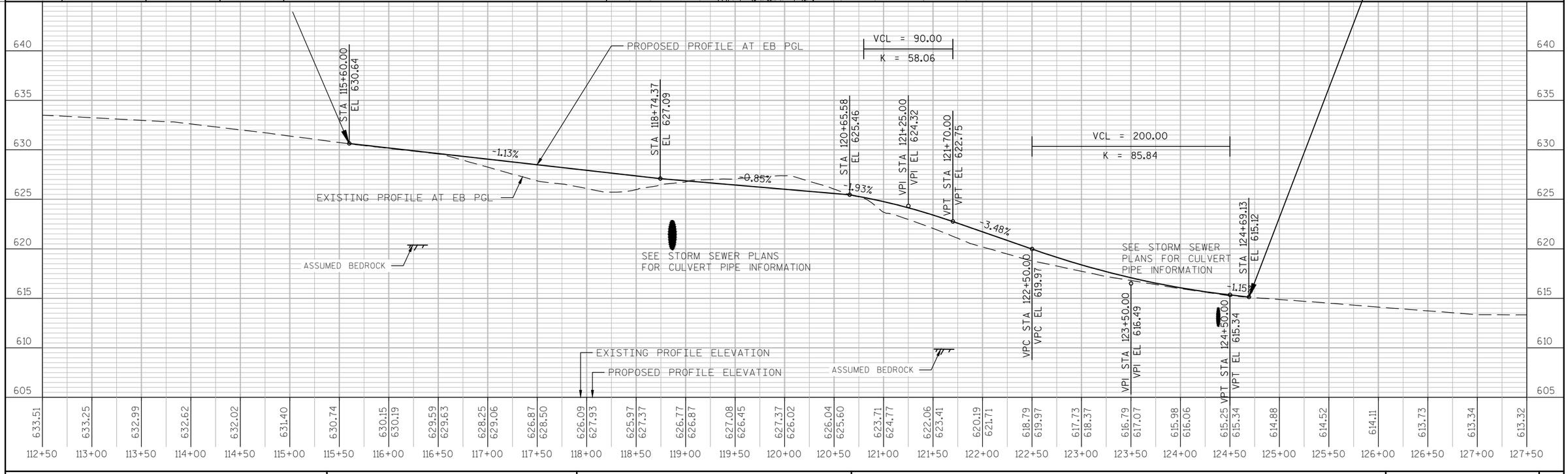
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: STH 42/57 (SOUTHBOUND)	SHEET 190	E

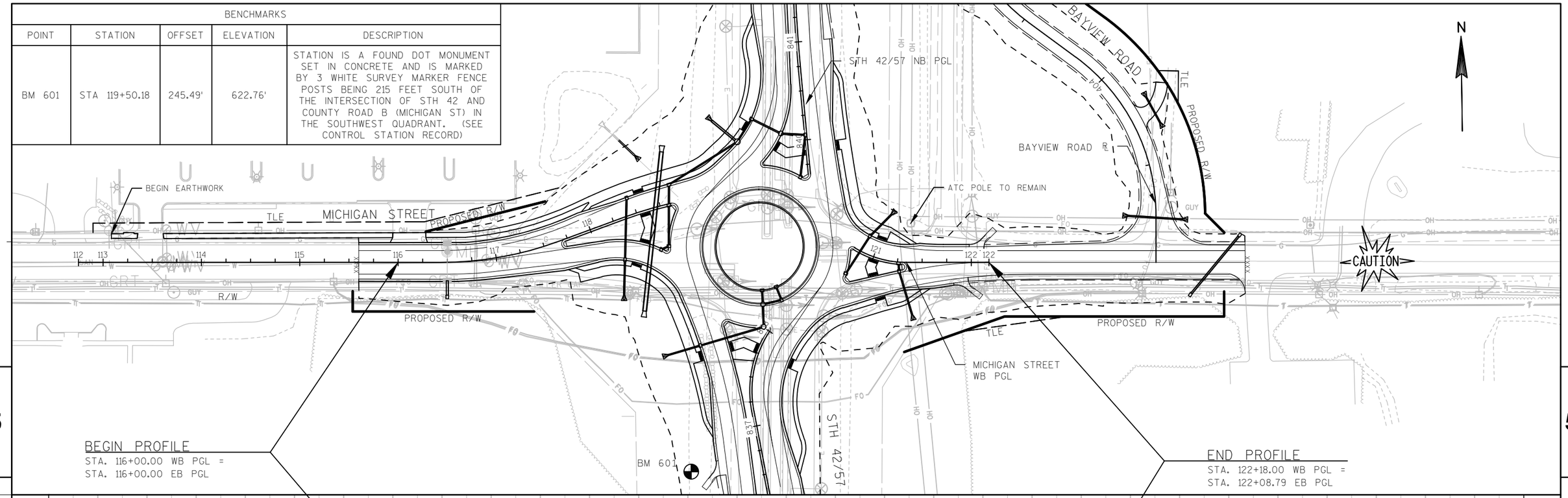


BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 601	STA 119+41.65	204.90' RT	622.76'	STATION IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS BEING 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B (MICHIGAN ST) IN THE SOUTHWEST QUADRANT. (SEE CONTROL STATION RECORD)



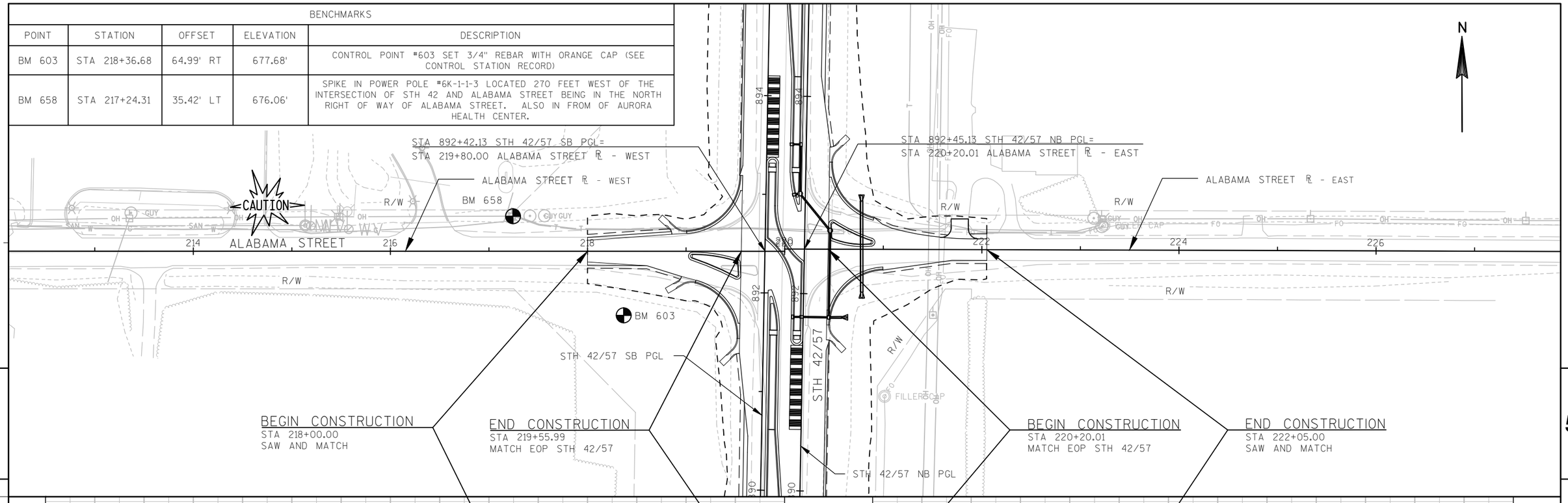
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET EB PGL	SHEET 191	E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 601	STA 119+50.18	245.49'	622.76'	STATION IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS BEING 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B (MICHIGAN ST) IN THE SOUTHWEST QUADRANT. (SEE CONTROL STATION RECORD)



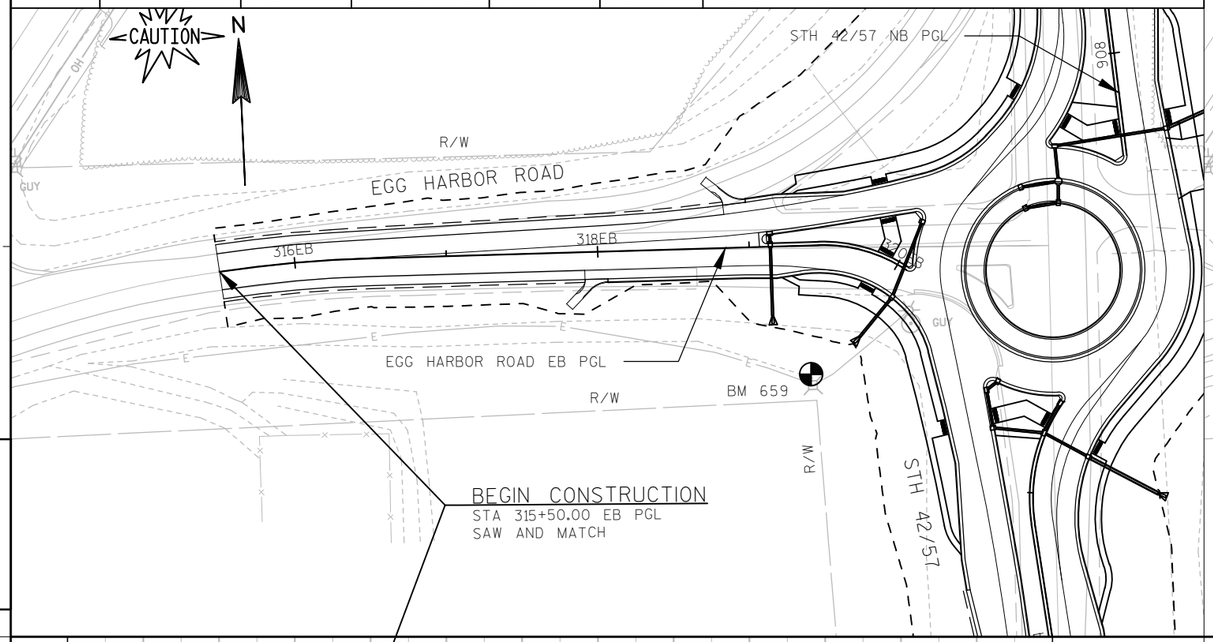
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET WB PGL	SHEET 192	E

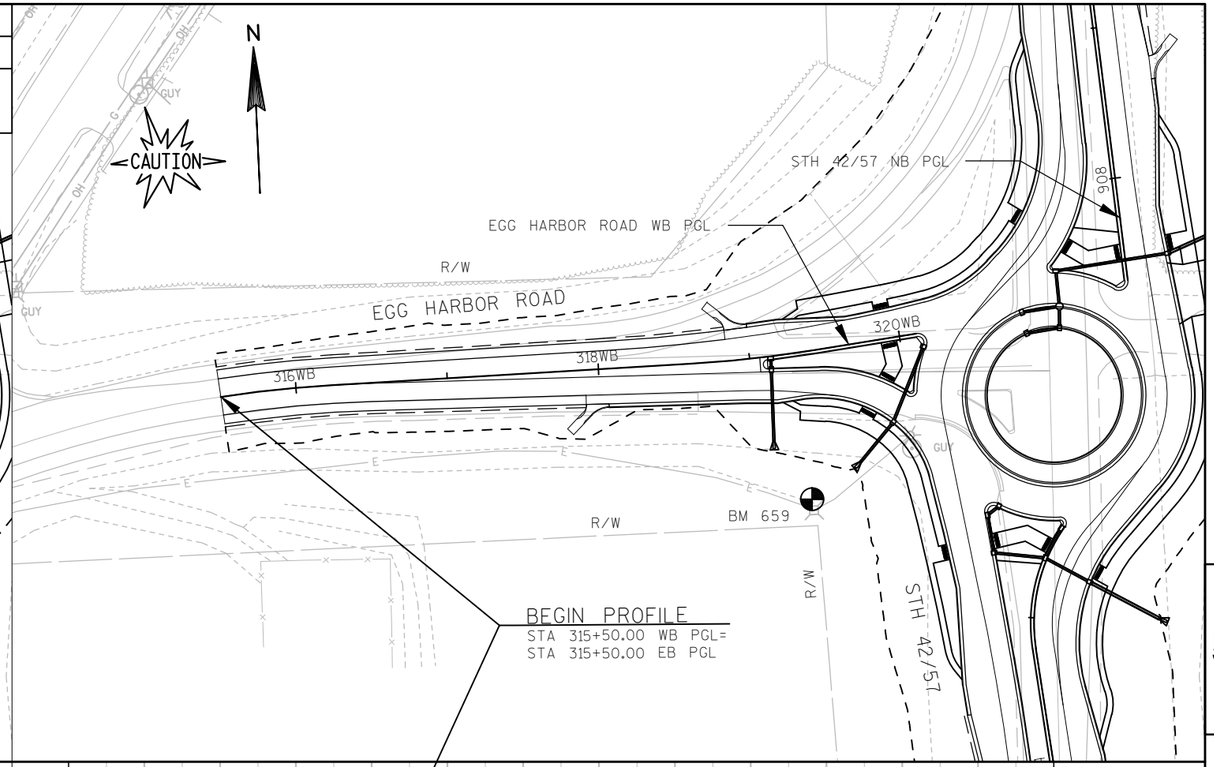
BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 603	STA 218+36.68	64.99' RT	677.68'	CONTROL POINT #603 SET 3/4" REBAR WITH ORANGE CAP (SEE CONTROL STATION RECORD)
BM 658	STA 217+24.31	35.42' LT	676.06'	SPIKE IN POWER POLE #6K-1-1-3 LOCATED 270 FEET WEST OF THE INTERSECTION OF STH 42 AND ALABAMA STREET BEING IN THE NORTH RIGHT OF WAY OF ALABAMA STREET. ALSO IN FROM OF AURORA HEALTH CENTER.

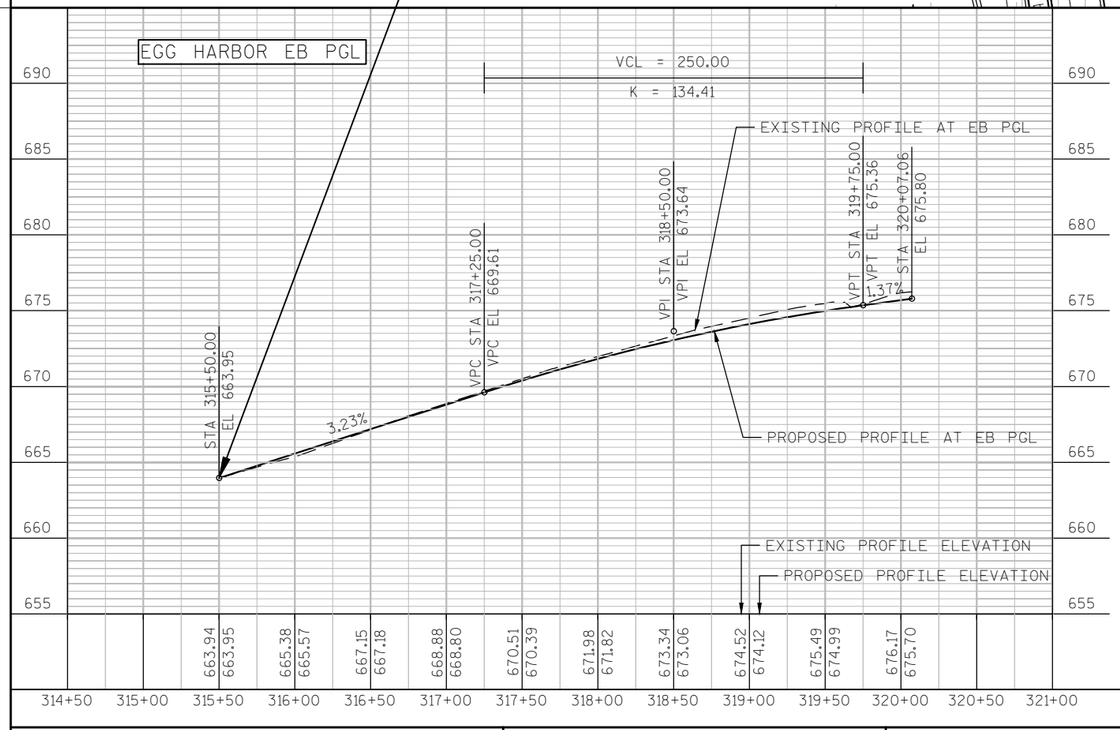


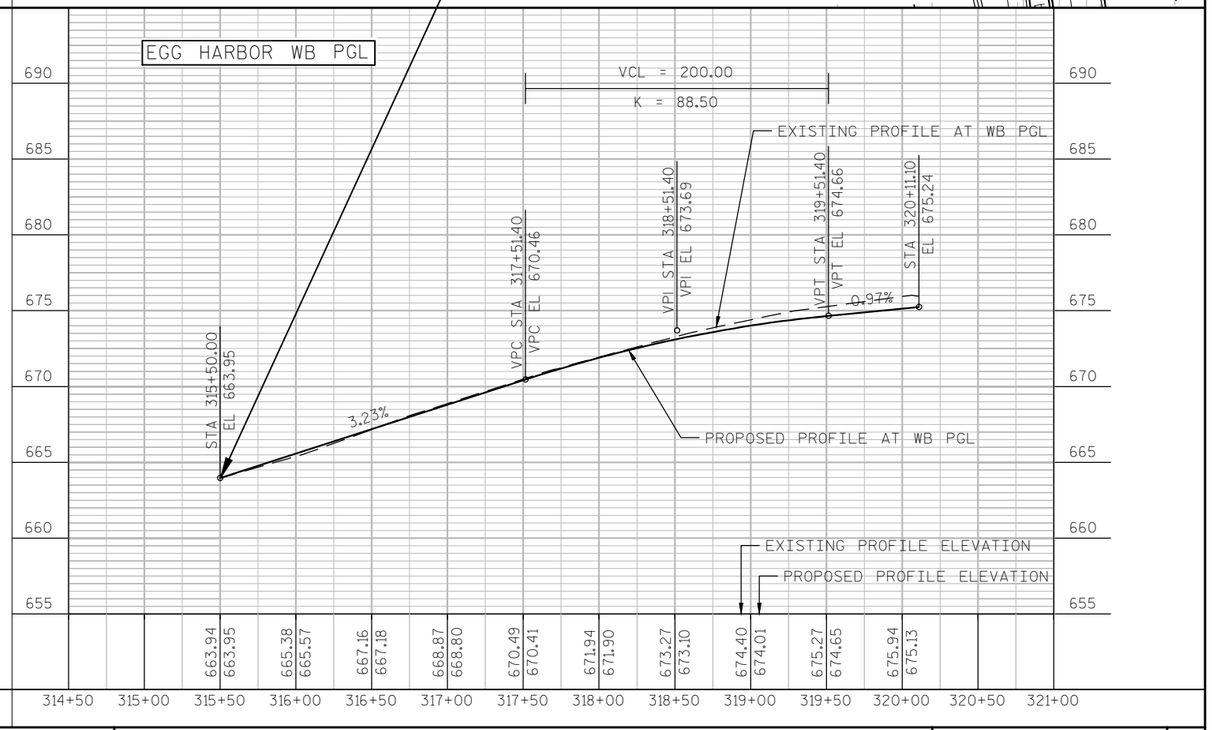
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: ALABAMA STREET	SHEET 193	E

BENCHMARKS						
POINT	WB STATION	WB OFFSET	EB STATION	EB OFFSET	ELEVATION	DESCRIPTION
BM 659	STA 319+27.89	97.11' RT	STA 319+38.42	84.83' RT	672.960'	SPIKE IN POWER POLE #6K-6-3-3 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD.

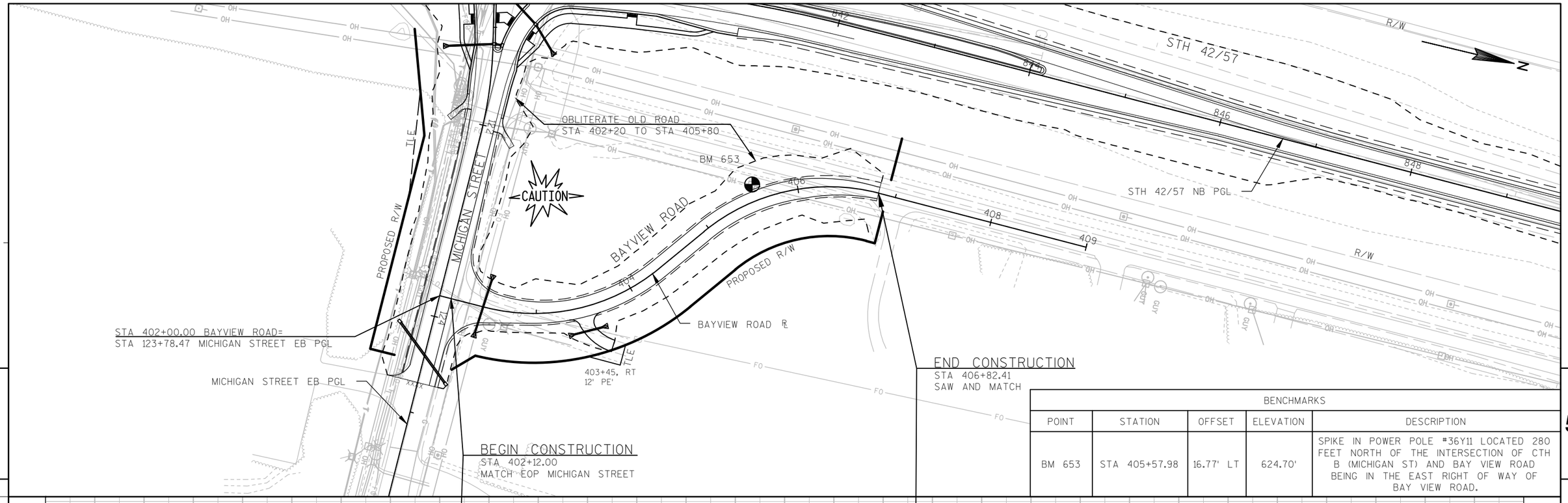








PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR ROAD EB & WB PGL	SHEET 194	E

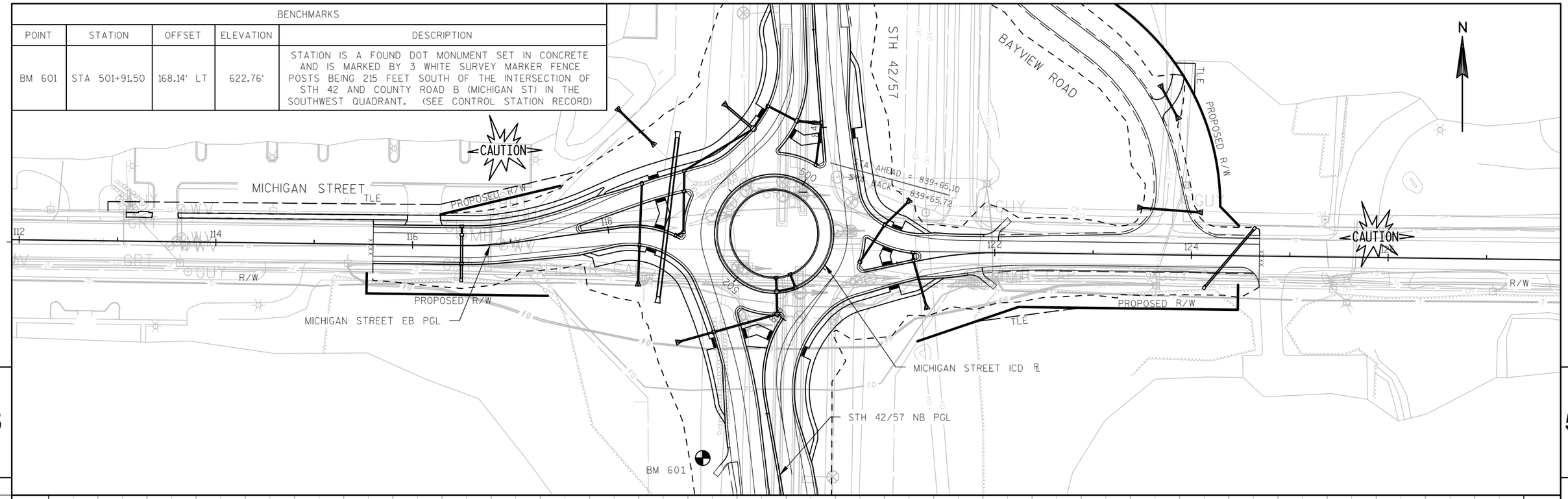


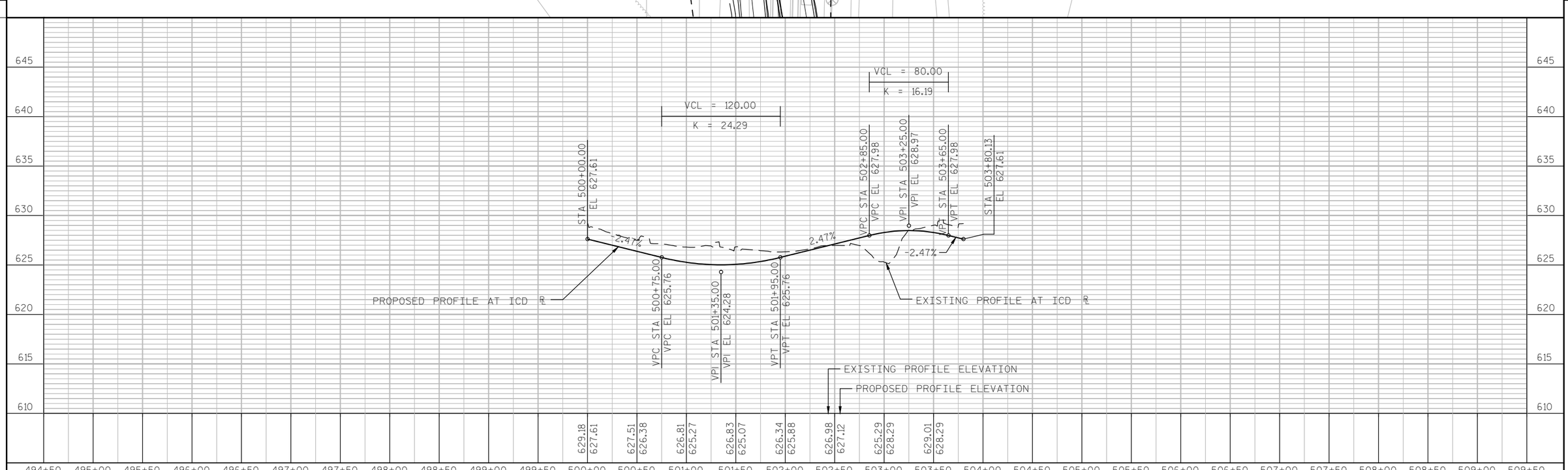
BENCHMARKS

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 653	STA 405+57.98	16.77' LT	624.70'	SPIKE IN POWER POLE #36Y11 LOCATED 280 FEET NORTH OF THE INTERSECTION OF CTH B (MICHIGAN ST) AND BAY VIEW ROAD BEING IN THE EAST RIGHT OF WAY OF BAY VIEW ROAD.

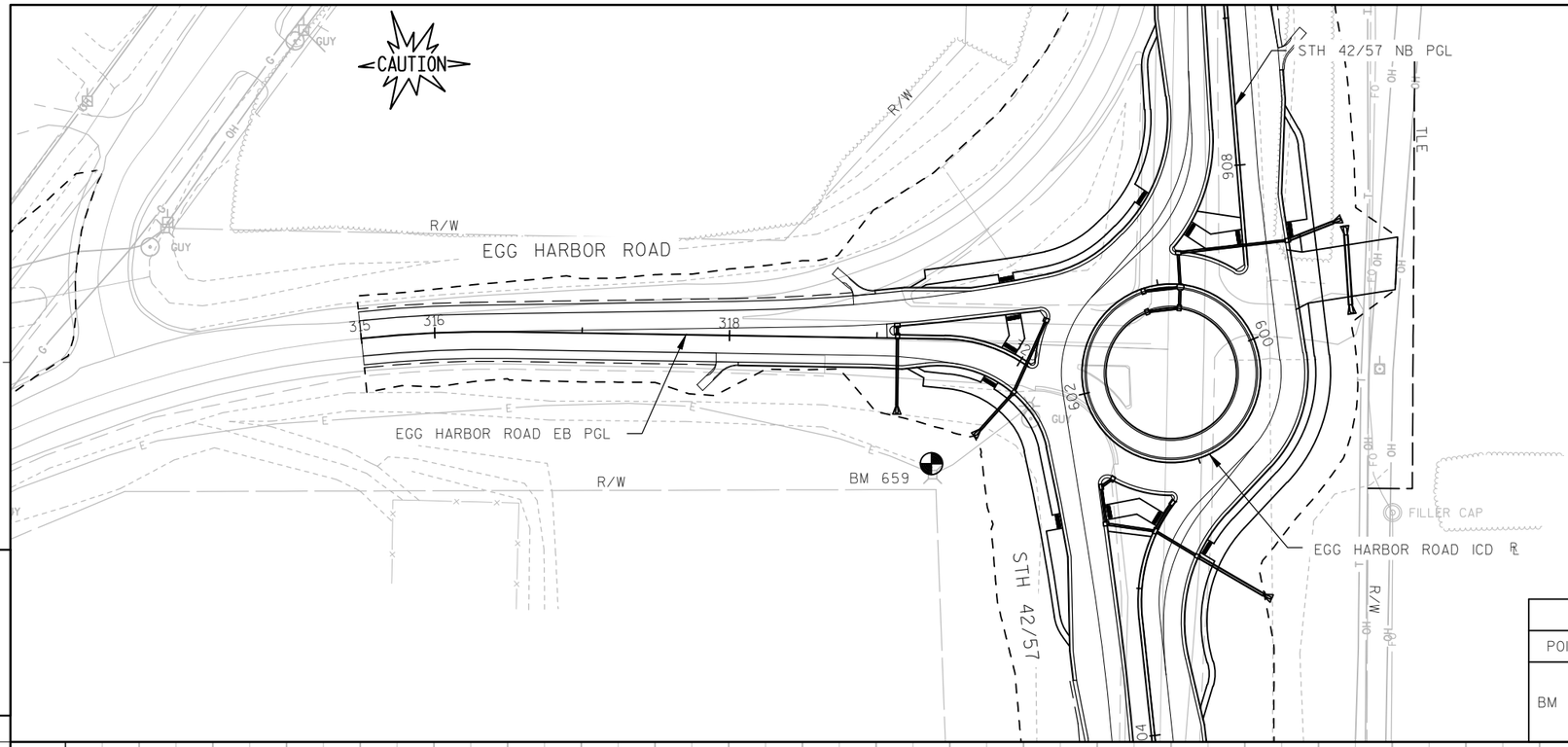
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: BAYVIEW ROAD	SHEET 195	E

BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 601	STA 501+91.50	168.14' LT	622.76'	STATION IS A FOUND DOT MONUMENT SET IN CONCRETE AND IS MARKED BY 3 WHITE SURVEY MARKER FENCE POSTS BEING 215 FEET SOUTH OF THE INTERSECTION OF STH 42 AND COUNTY ROAD B (MICHIGAN ST) IN THE SOUTHWEST QUADRANT. (SEE CONTROL STATION RECORD)

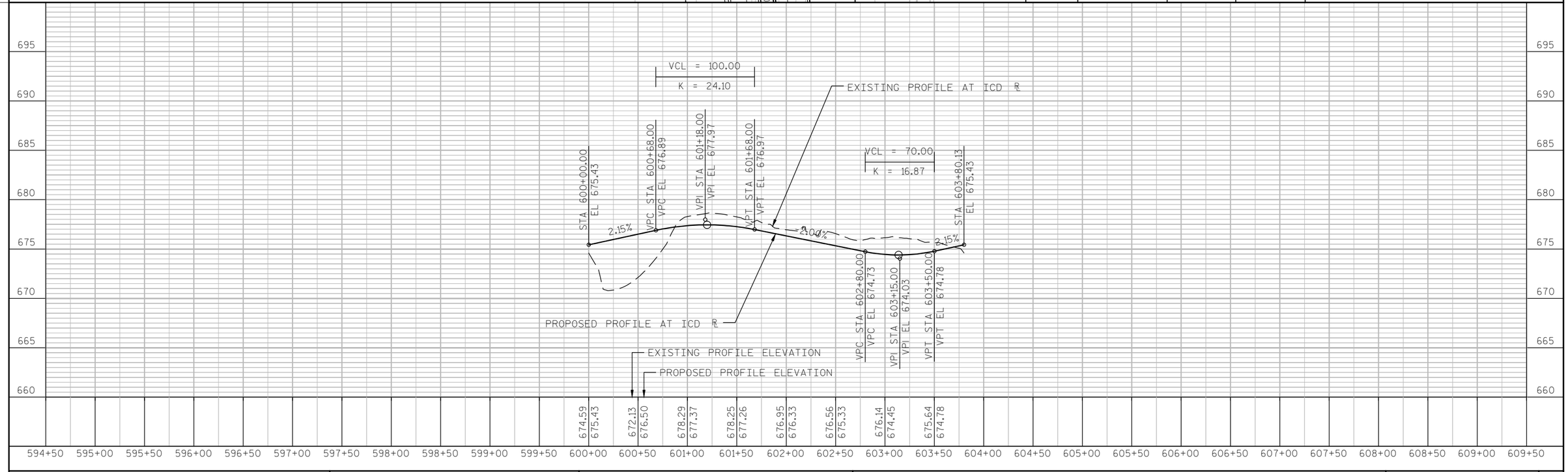




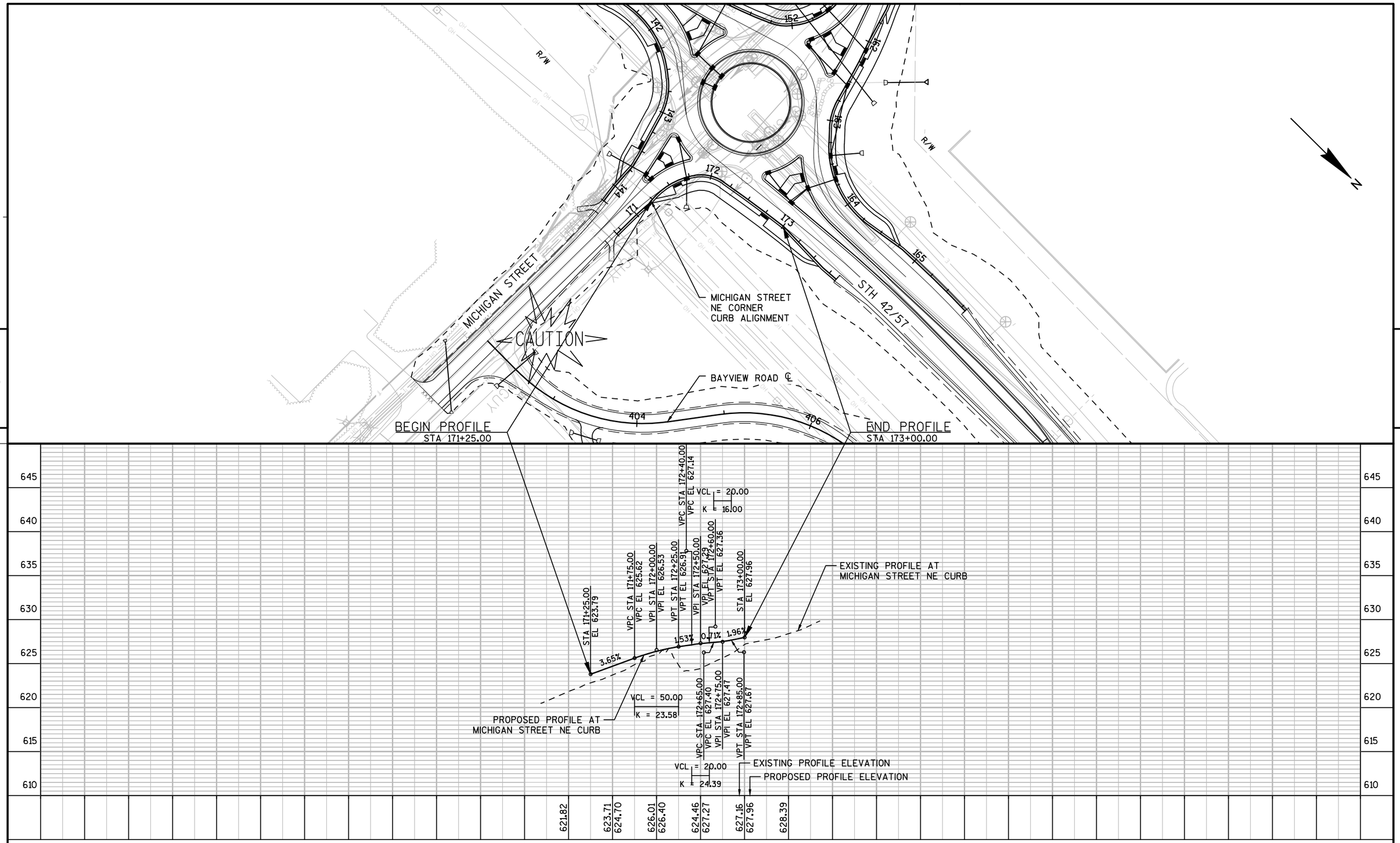
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET ICD	SHEET 196	E



BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 659	STA 601+92.15	113.20' LT	672.96'	SPIKE IN POWER POLE #6K-6-3-3 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF STH 42 AND EGG HARBOR ROAD.

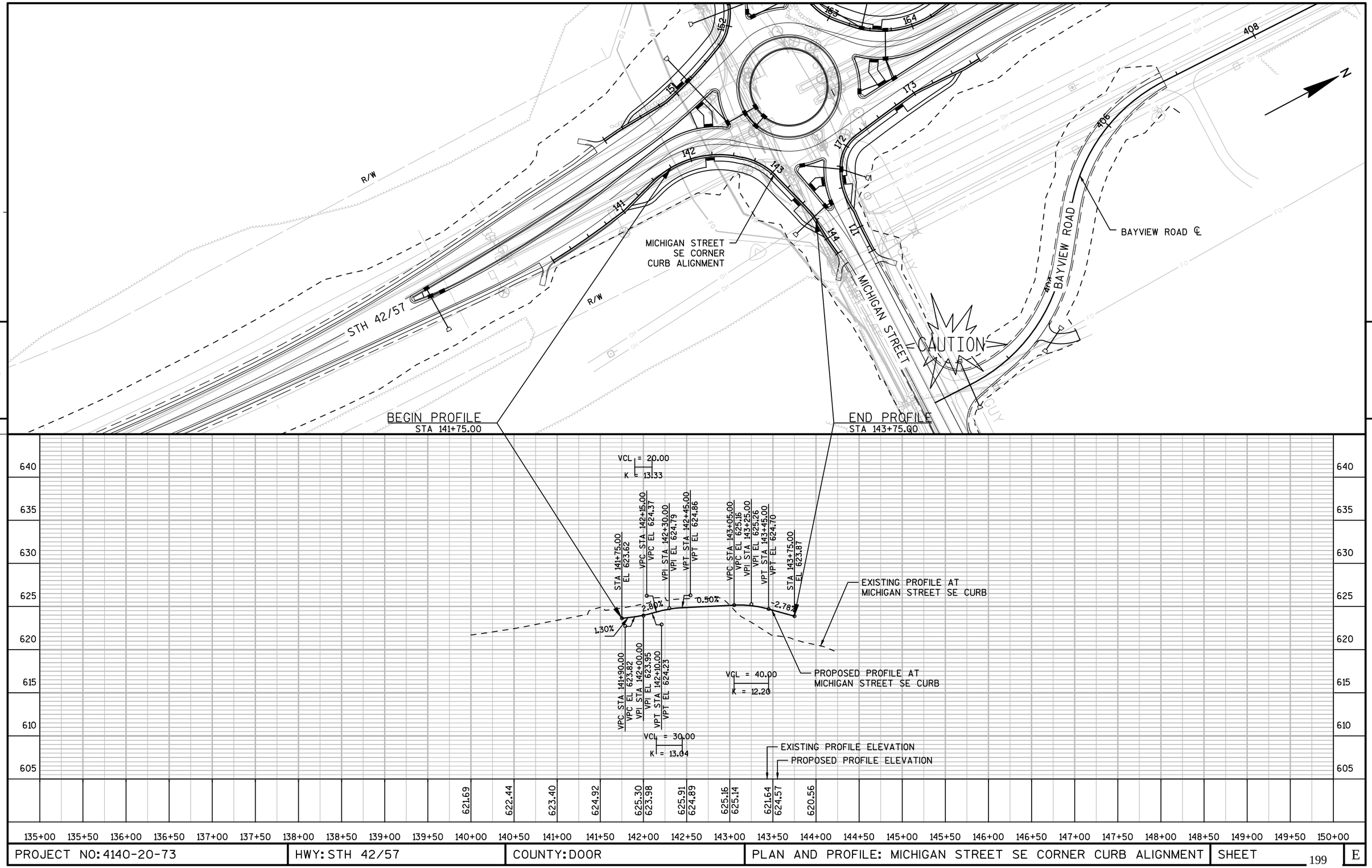


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR ROAD ICD	SHEET 197	E

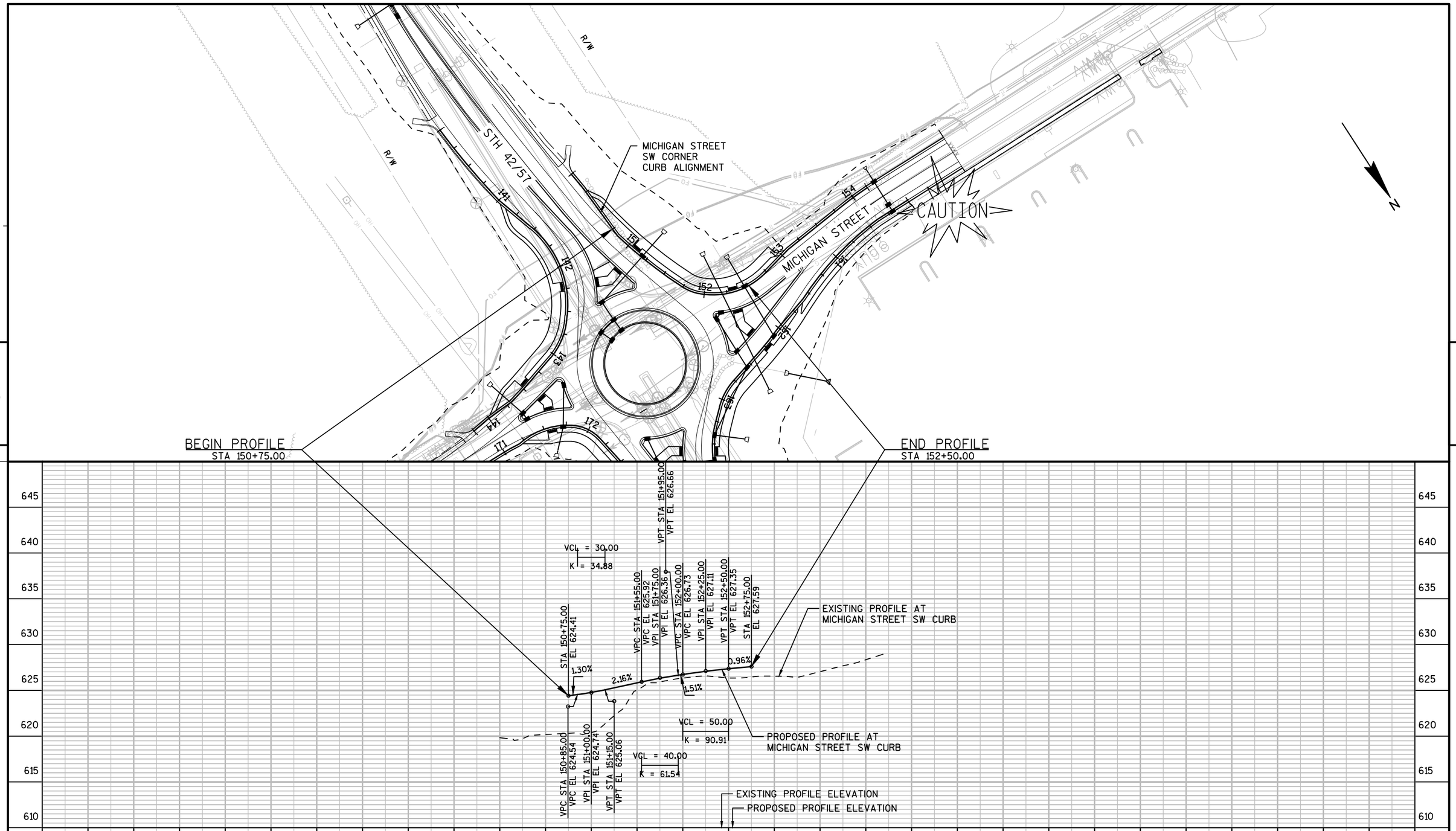


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET NE CORNER CURB ALIGNMENT	SHEET 198	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\SHEETSPLAN\050122_PP.DWG
PLOT DATE : 12/10/2015 1:17 PM
PLOT BY : JASEN GROVES
PLOT NAME : 050122_PP
PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET SE CORNER CURB ALIGNMENT	SHEET 199	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET SW CORNER CURB ALIGNMENT	SHEET 200	E

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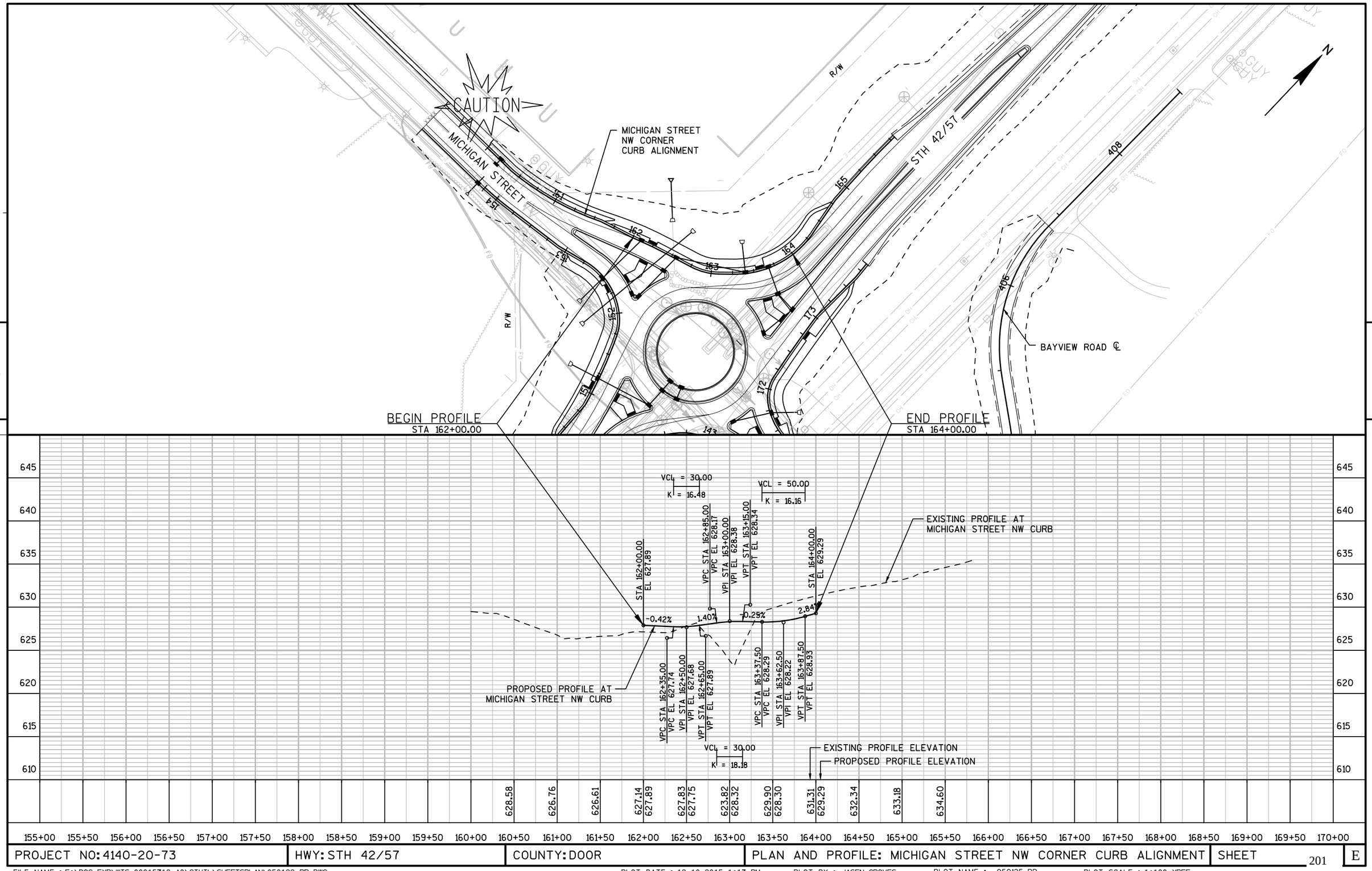
PLOT DATE : 12/10/2015 1:17 PM
PLOT BY : JASEN GROVES
PLOT NAME : 050124_PP
PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: MICHIGAN STREET NW CORNER CURB ALIGNMENT	SHEET 201	E

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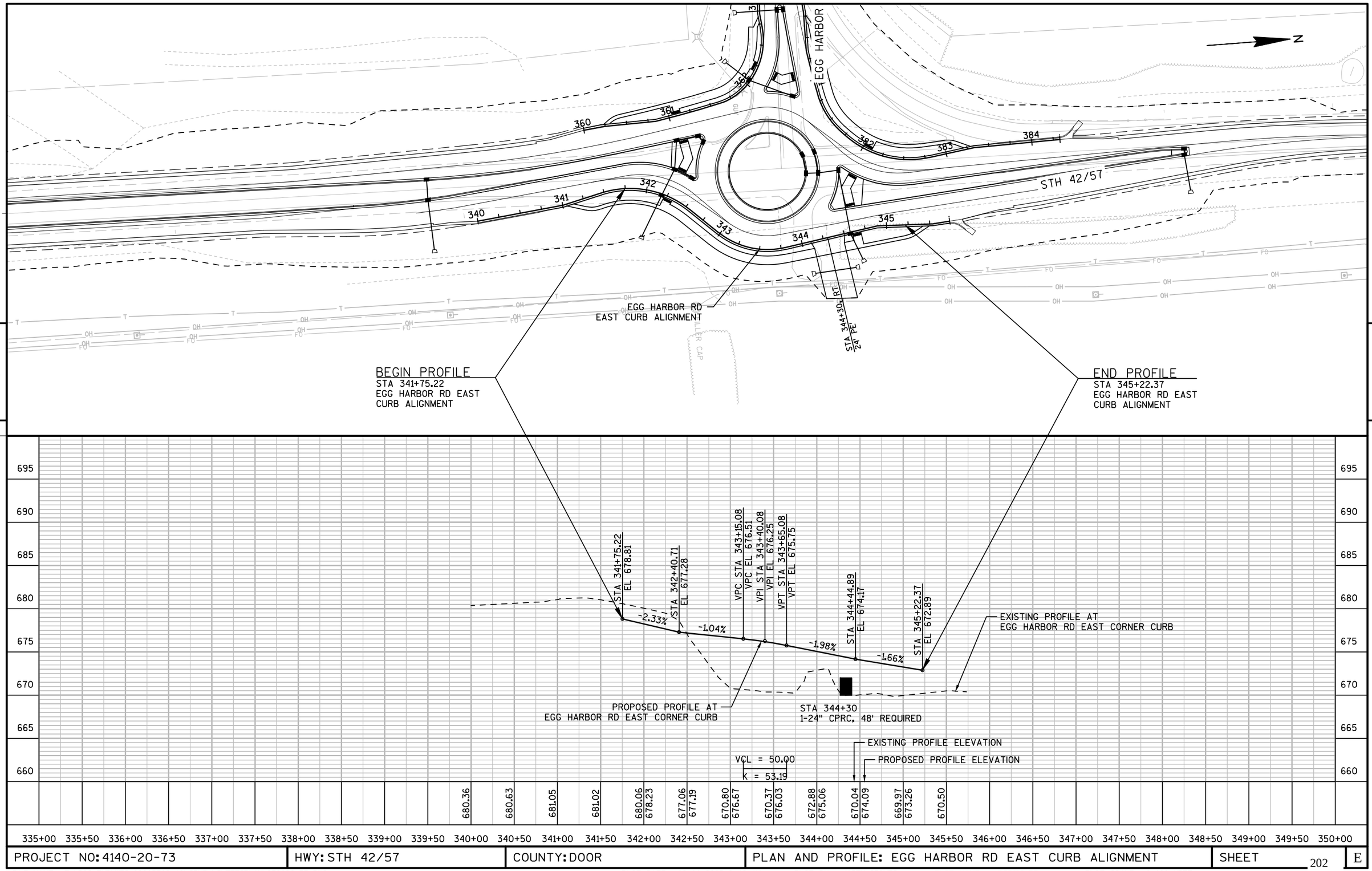
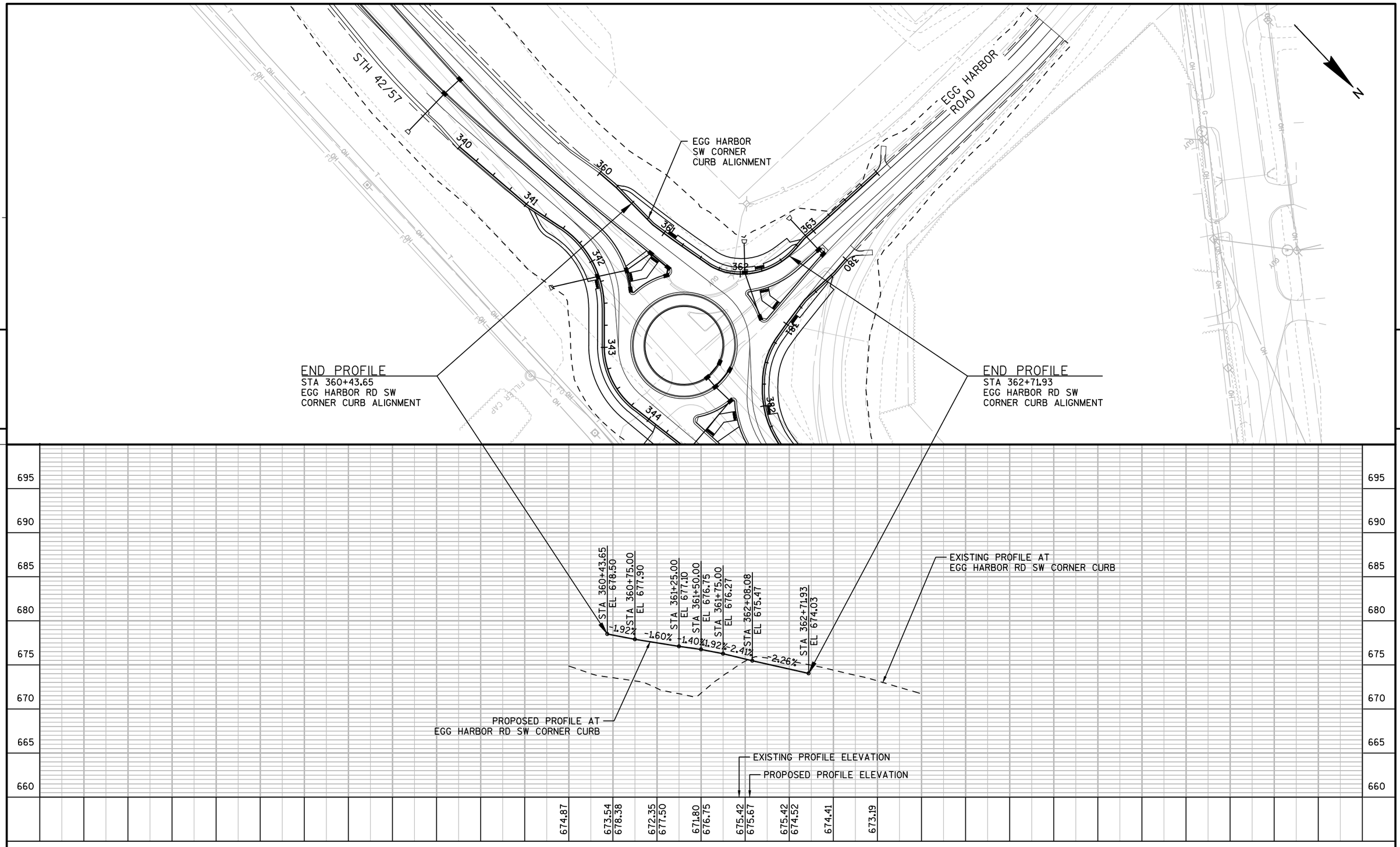
WISDOT/CADDS SHEET 44



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR RD EAST CURB ALIGNMENT	SHEET 202	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR RD SW CORNER CURB ALIGNMENT	SHEET 203	E

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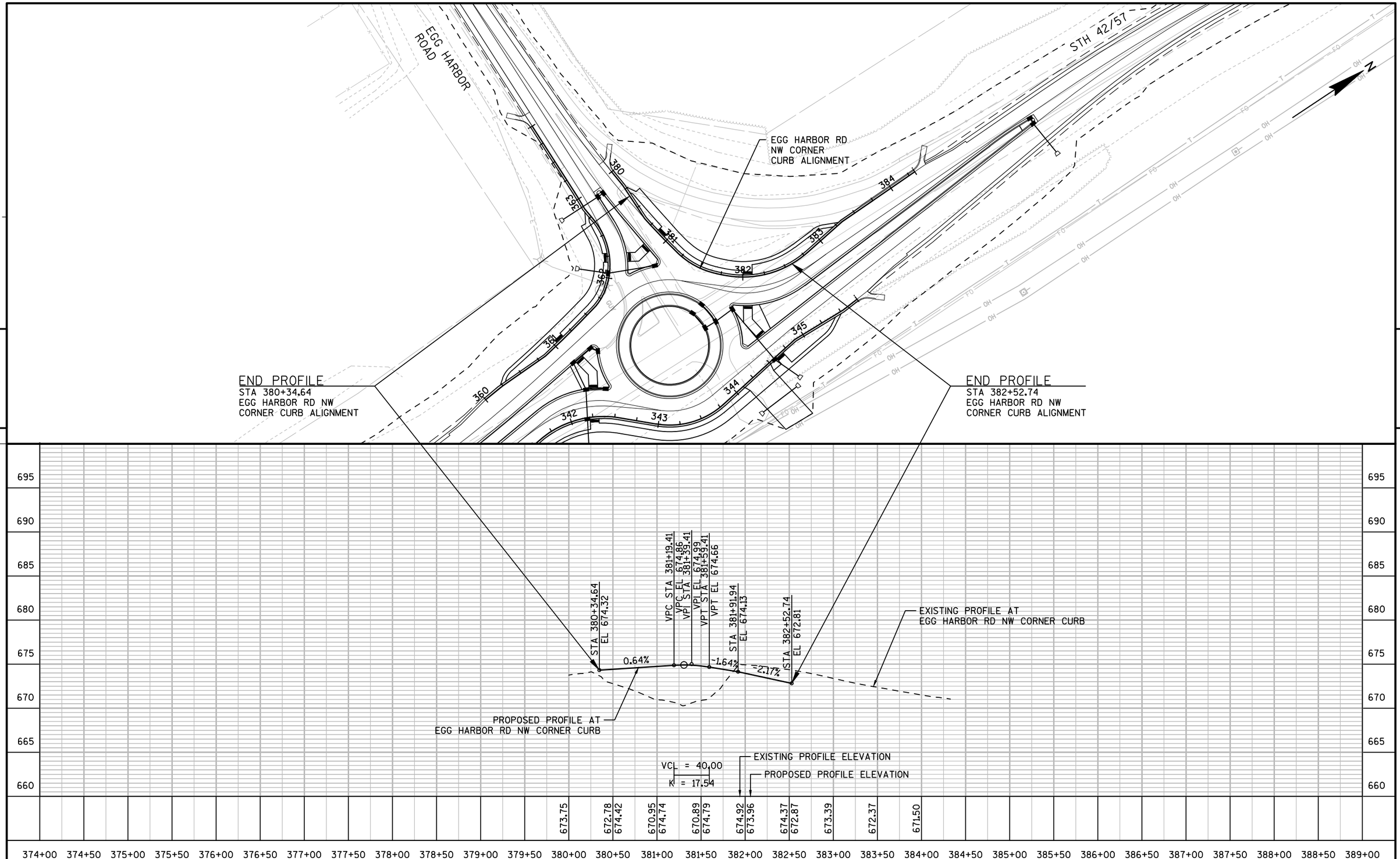
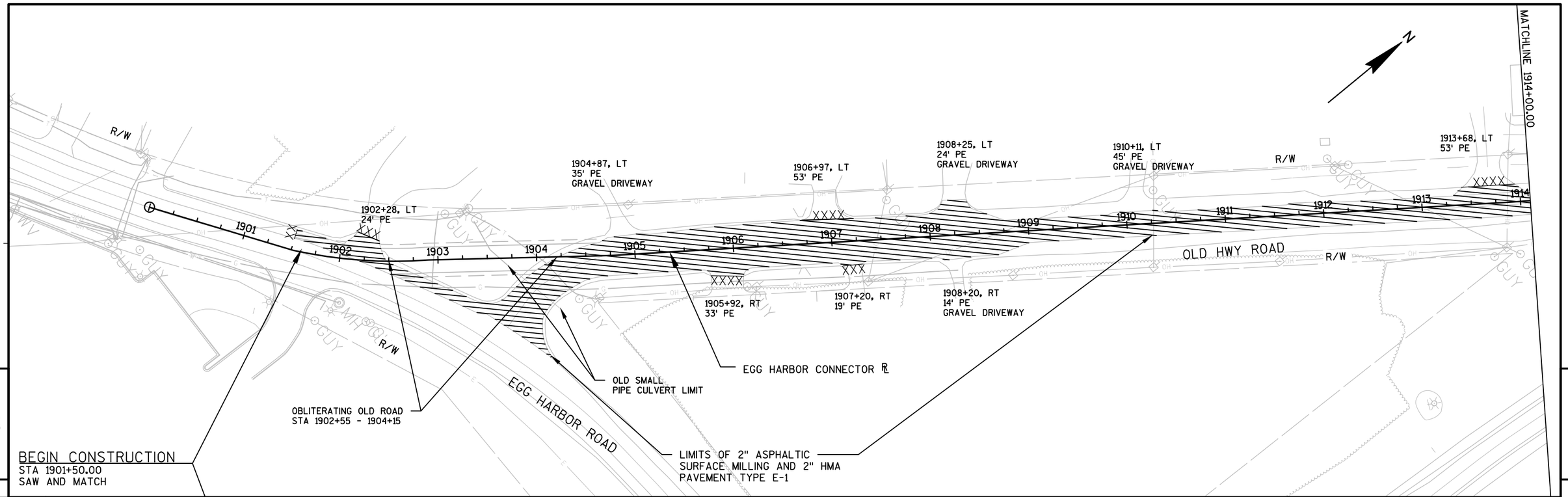
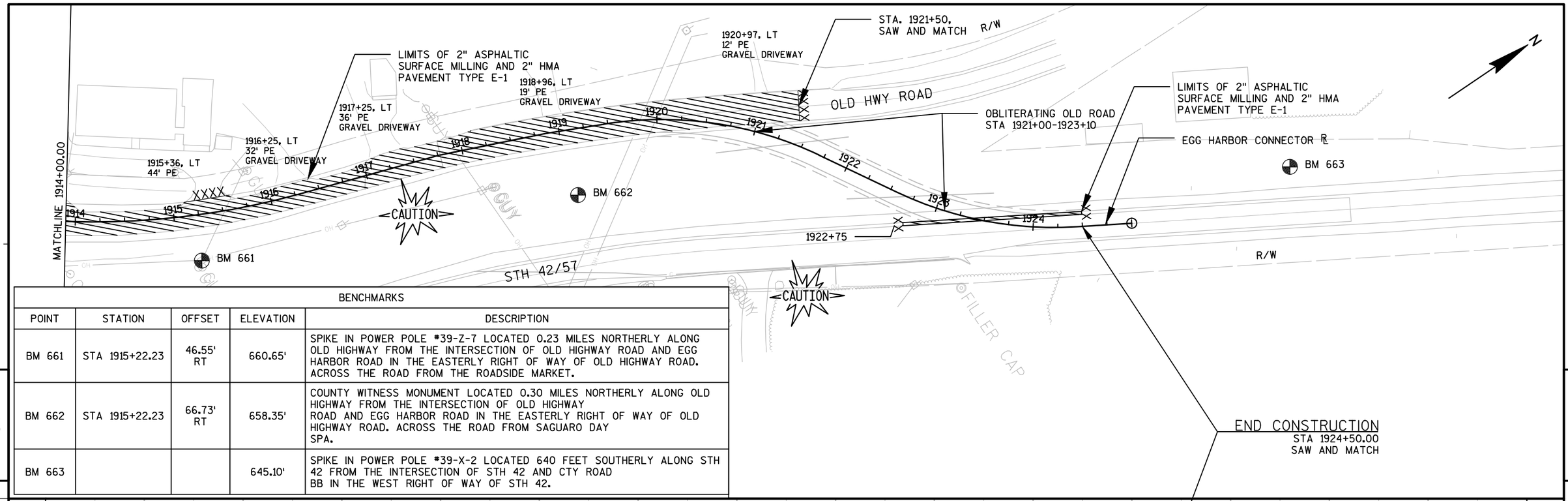


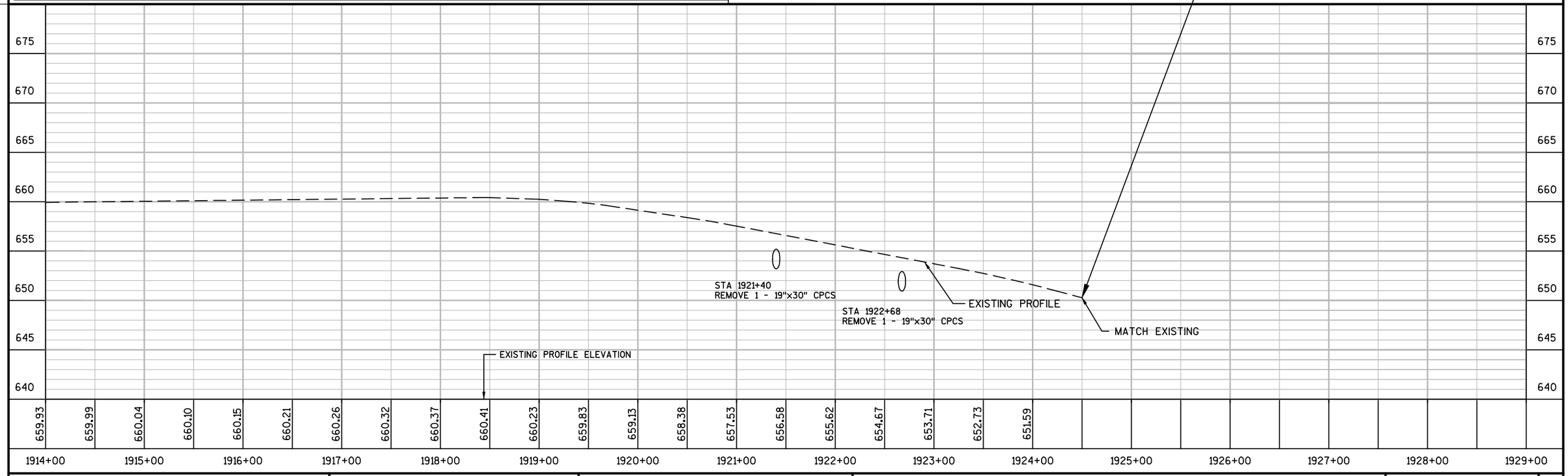
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR NW RD CORNER CURB ALIGNMENT	SHEET 204	E



PROJECT NO: 4140-20-74	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR CONNECTOR	SHEET 205 E



BENCHMARKS				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
BM 661	STA 1915+22.23	46.55' RT	660.65'	SPIKE IN POWER POLE #39-Z-7 LOCATED 0.23 MILES NORTHERLY ALONG OLD HIGHWAY FROM THE INTERSECTION OF OLD HIGHWAY ROAD AND EGG HARBOR ROAD IN THE EASTERLY RIGHT OF WAY OF OLD HIGHWAY ROAD. ACROSS THE ROAD FROM THE ROADSIDE MARKET.
BM 662	STA 1915+22.23	66.73' RT	658.35'	COUNTY WITNESS MONUMENT LOCATED 0.30 MILES NORTHERLY ALONG OLD HIGHWAY FROM THE INTERSECTION OF OLD HIGHWAY ROAD AND EGG HARBOR ROAD IN THE EASTERLY RIGHT OF WAY OF OLD HIGHWAY ROAD. ACROSS THE ROAD FROM SAGUARO DAY SPA.
BM 663			645.10'	SPIKE IN POWER POLE #39-X-2 LOCATED 640 FEET SOUTHERLY ALONG STH 42 FROM THE INTERSECTION OF STH 42 AND CTY ROAD BB IN THE WEST RIGHT OF WAY OF STH 42.

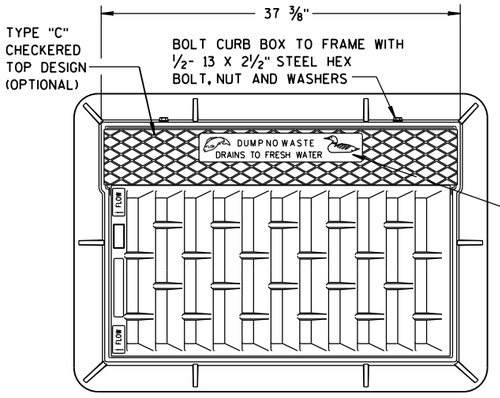


PROJECT NO: 4140-20-74	HWY: STH 42/57	COUNTY: DOOR	PLAN AND PROFILE: EGG HARBOR CONNECTOR	SHEET 206 E

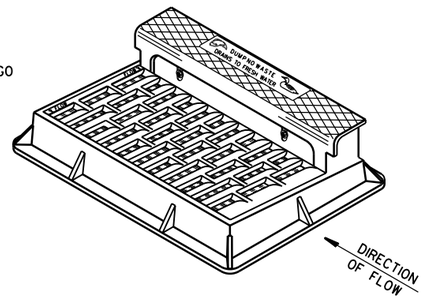
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A08-01	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-01	LIGHTING CONTROL CABINET
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-11A	RURAL DOWELED CONCRETE PAVEMENT
13C11-11B	RURAL DOWELED CONCRETE PAVEMENT
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C18-03A	CONCRETE PAVEMENT JOINTING
13C18-03B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-03C	CONCRETE PAVEMENT JOINT TIES
13C18-03D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-03E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C07-12D	ROUNDABOUT ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C24-02	36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C28-02	SIGNING AND MARKING FOR COMBINATION RIGHT TURN AND BYPASS LANE
15C29-03A	BICYCLE LANE MARKING
15C29-03E	PAVEMENT MARKING FOR BIKE LANES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D31-02	TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY

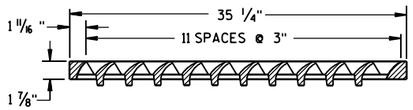
6

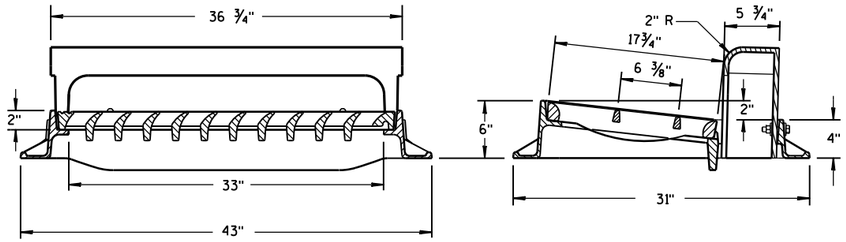


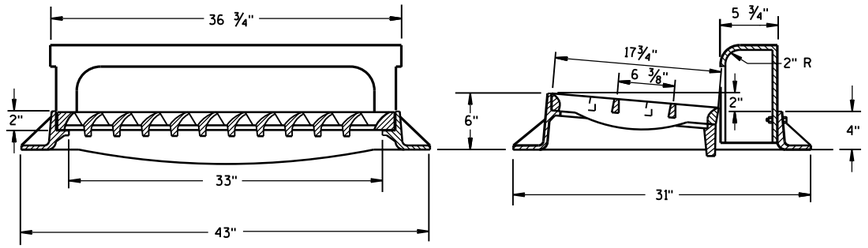
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

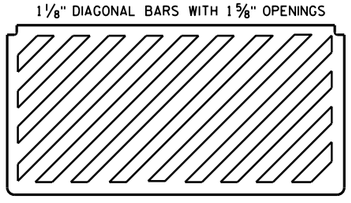






TYPE "H"

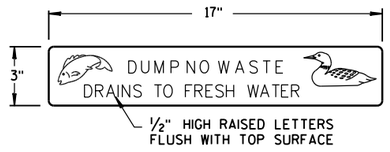
NOTE: EITHER CASTING IS ACCEPTABLE



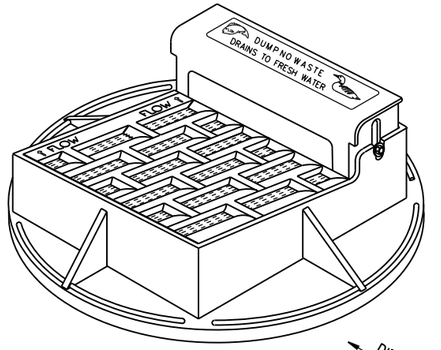
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

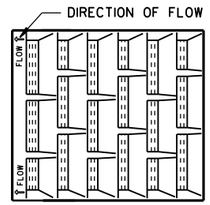
NOTE:
GRATE IS REVERSIBLE.

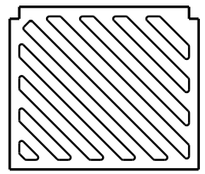
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

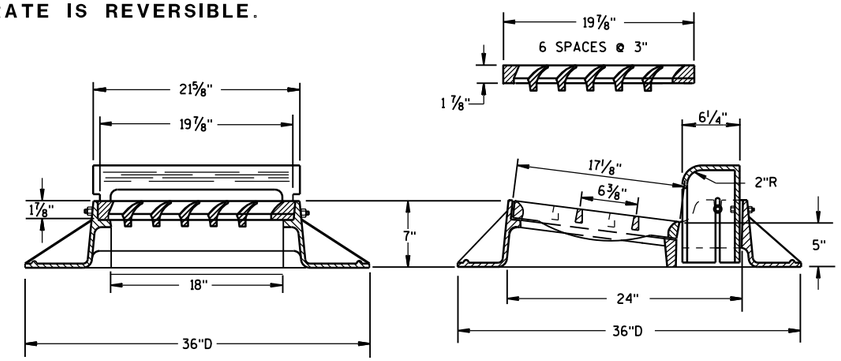




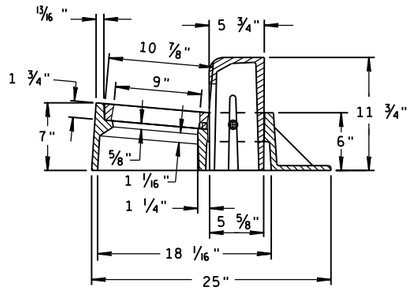
SPECIAL GRATE FOR TYPE "A" COVER

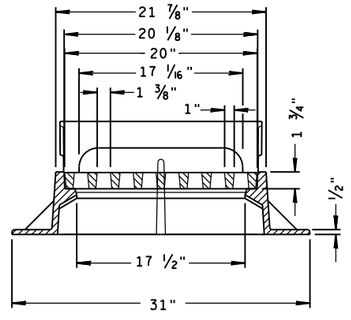
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

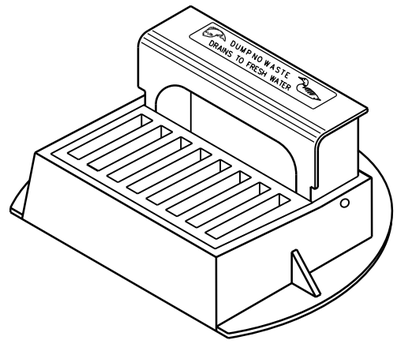


TYPE "A"





TYPE "Z"



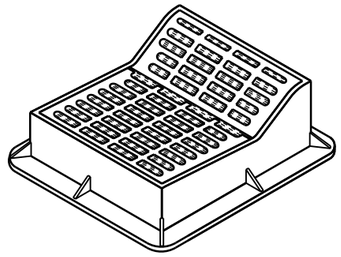
INLET COVERS
TYPE A, H, A-S, H-S & Z

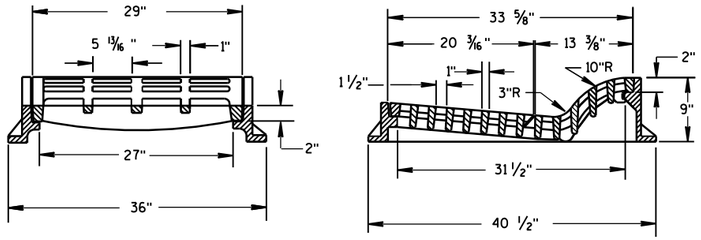
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

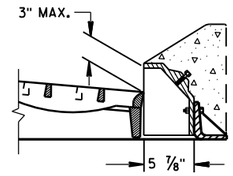
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

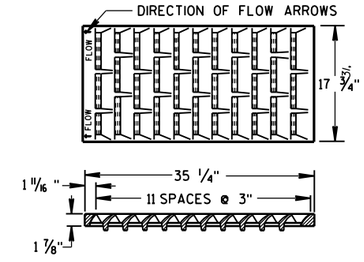
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

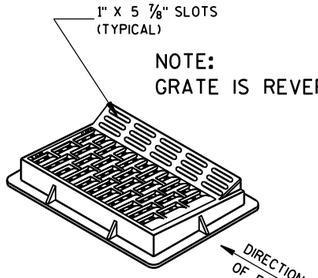
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

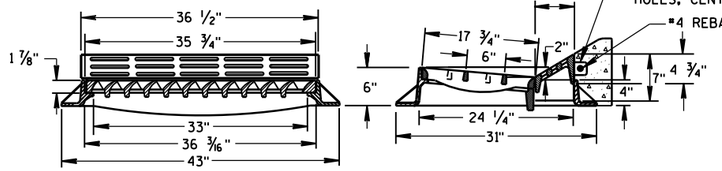
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



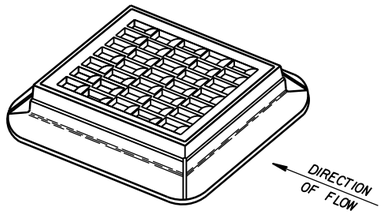


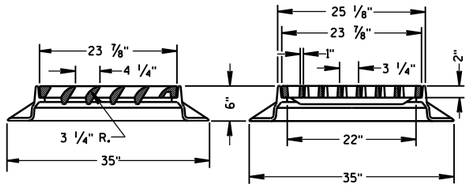


TYPE "HM"

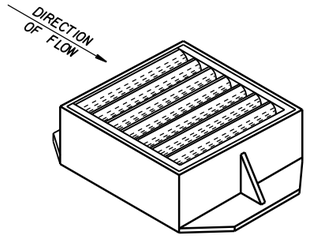
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

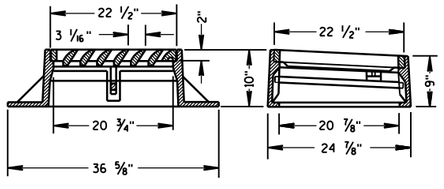
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



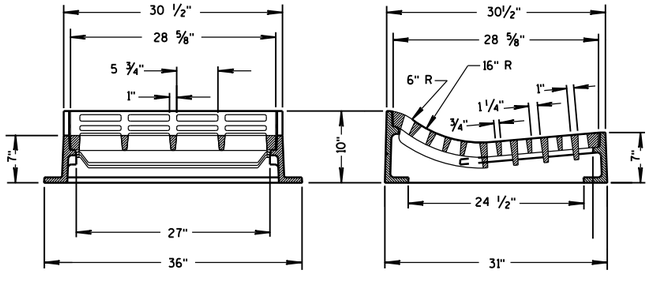


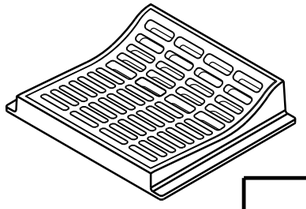
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

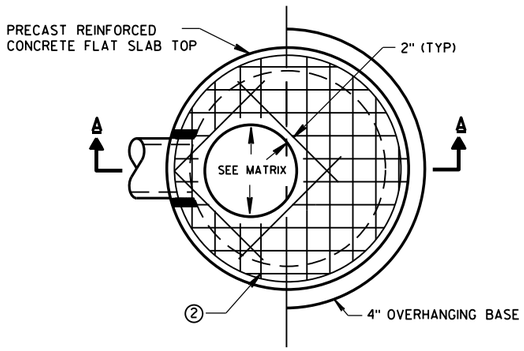
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

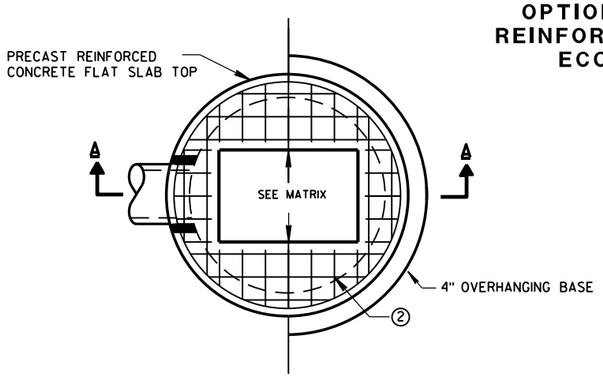
FHWA

6

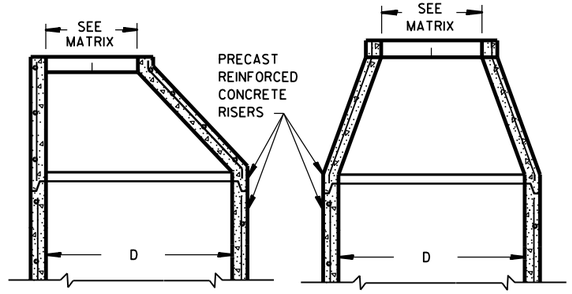
S.D.D. 8 A 5-19c



PLAN VIEW CIRCULAR OPENING

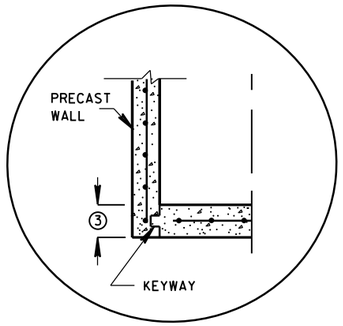


PLAN VIEW RECTANGULAR OPENING

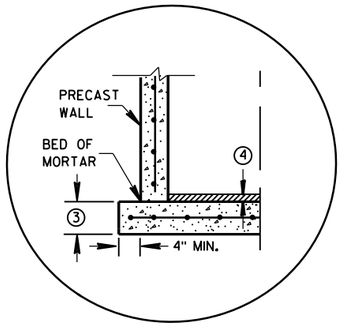


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

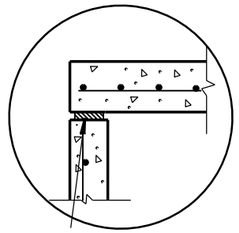


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



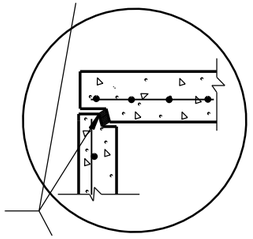
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

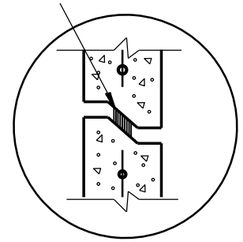


TOP WITH PLAIN END JOINT

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

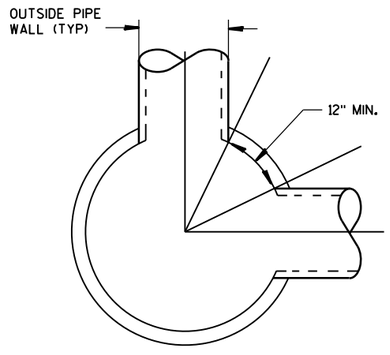


TOP WITH TONGUE AND GROOVE JOINT

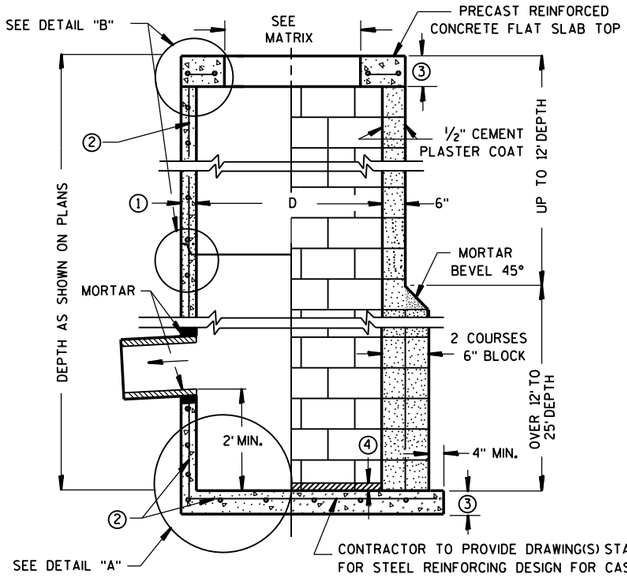


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

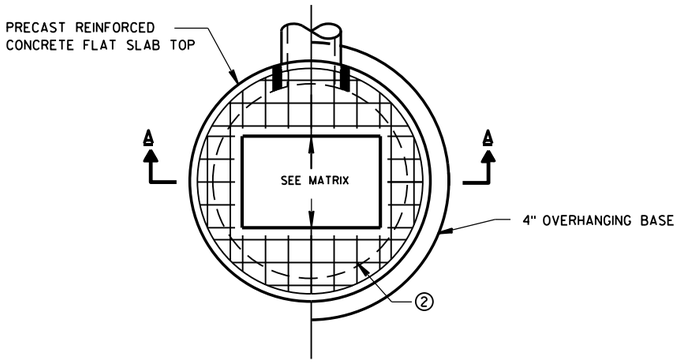
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

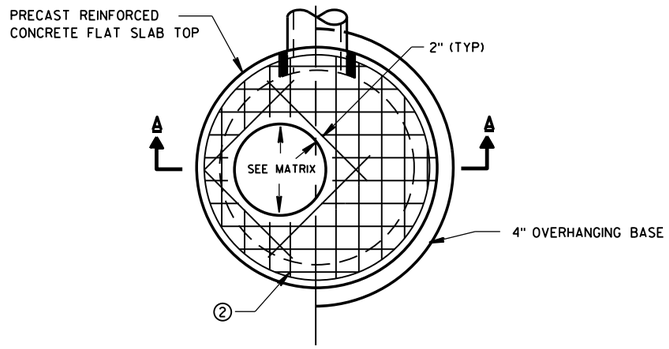
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

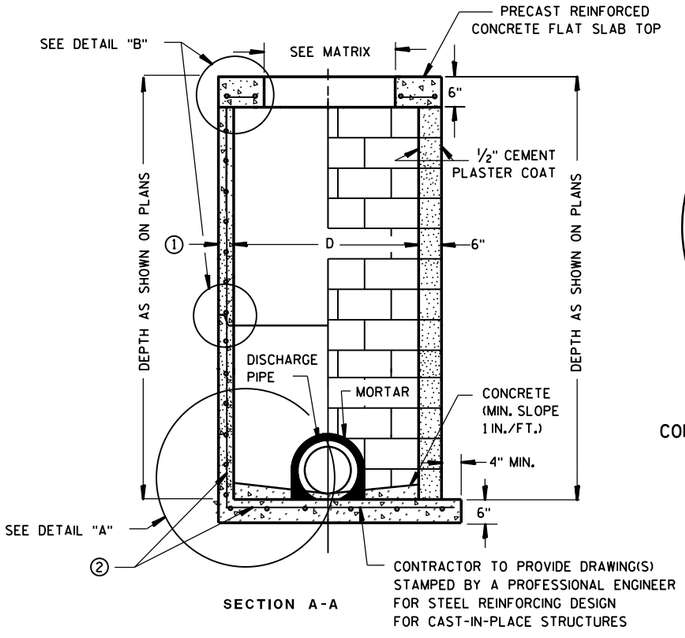
S.D.D. 8 A 8-1



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

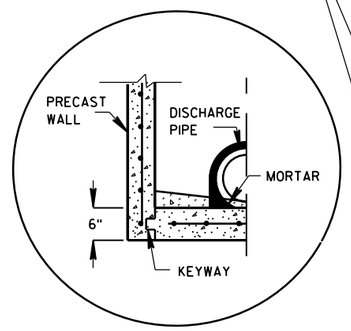


SECTION A-A

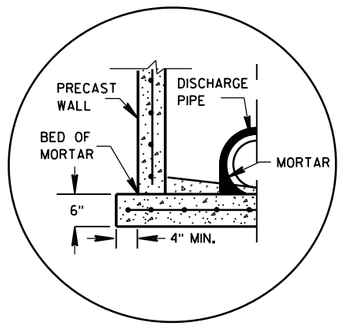
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

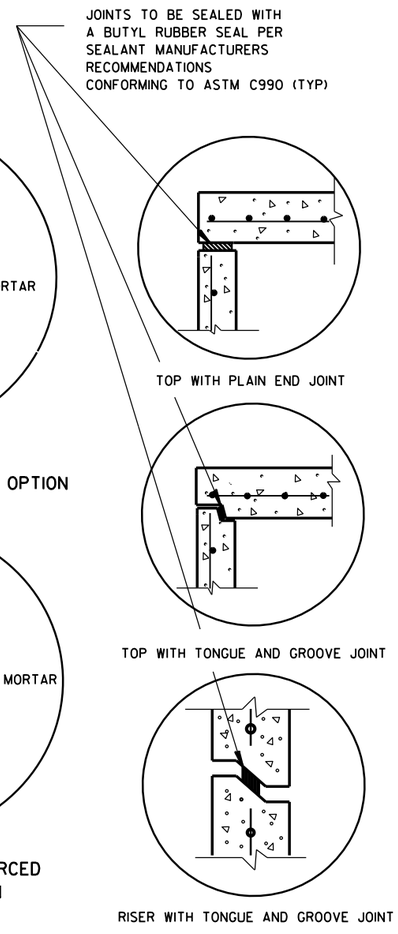


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

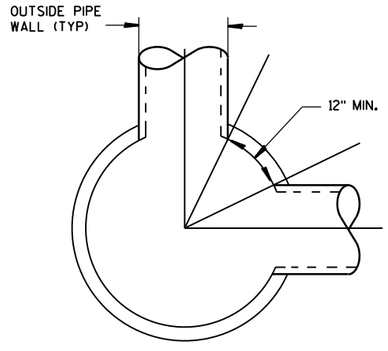
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 C 6-1

6

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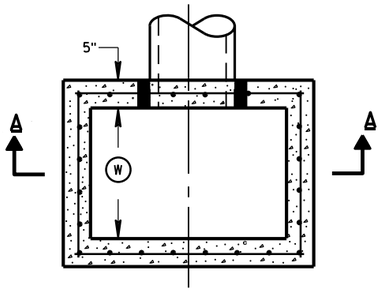
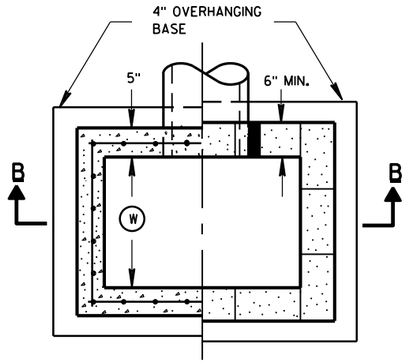
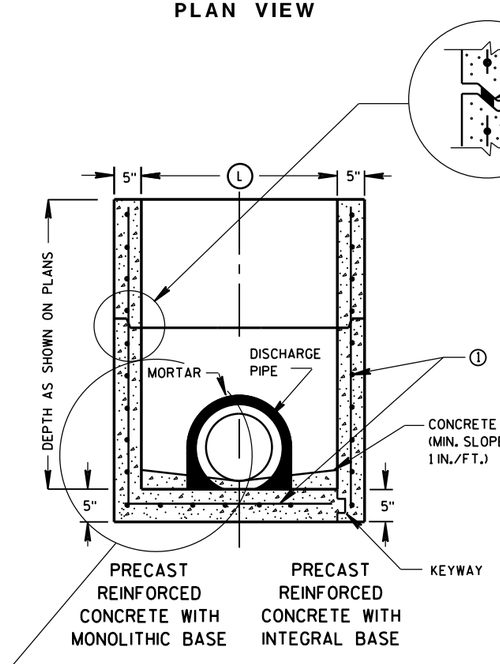
INLETS 3-FT AND 4-FT DIAMETER



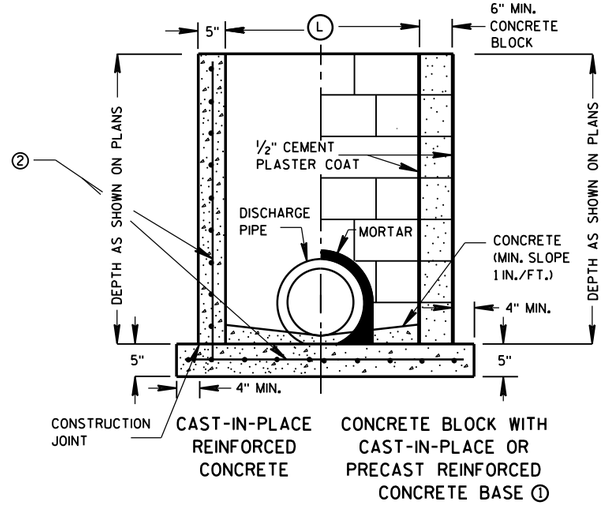
PLAN VIEW



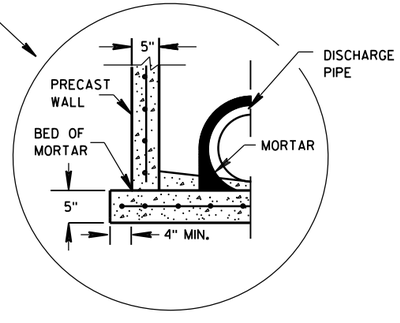
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

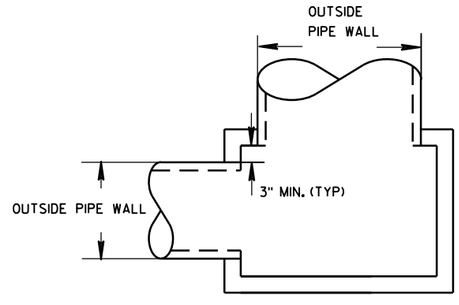
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

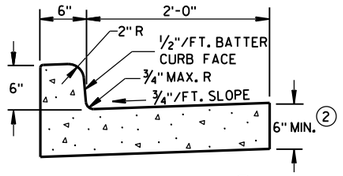
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

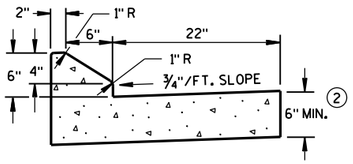
/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

6
S.D.D. 8 C 7-1

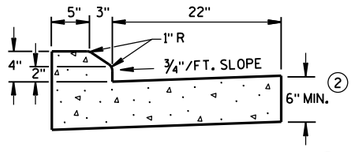
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



TYPES A & D ①

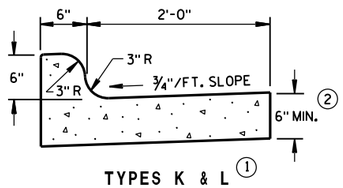


6" SLOPED CURB TYPES G & J ①

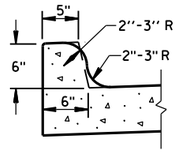


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

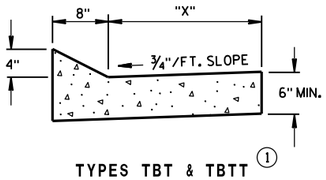


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

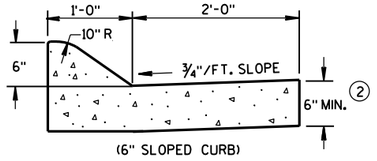
CONCRETE CURB & GUTTER 30"



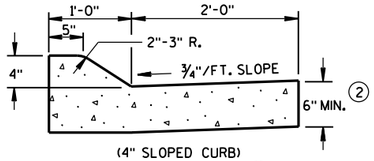
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

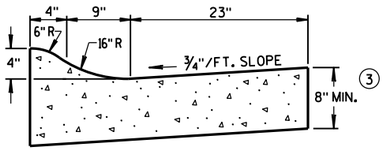


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

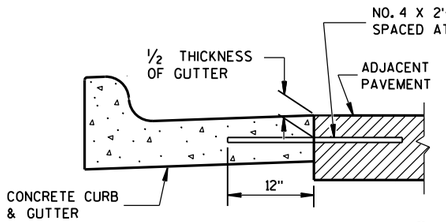
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

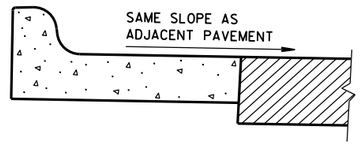
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

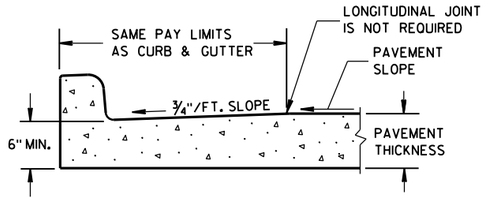
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



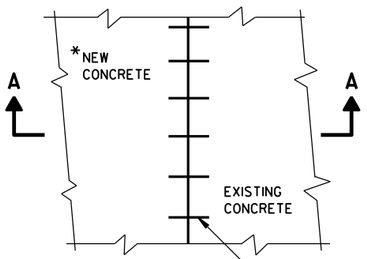
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)

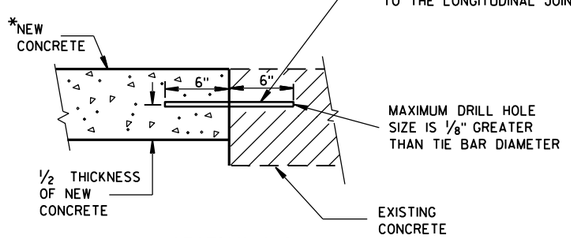


PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



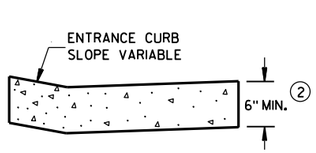
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

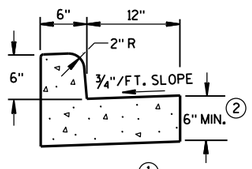


SECTION A-A

TIE BARS DRILLED
INTO EXISTING PAVEMENT

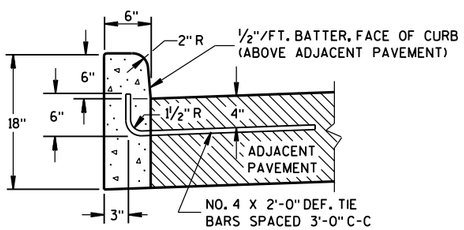


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

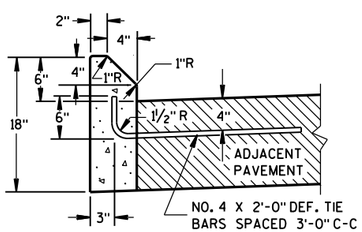


① TYPES A & D

CONCRETE CURB & GUTTER 18"

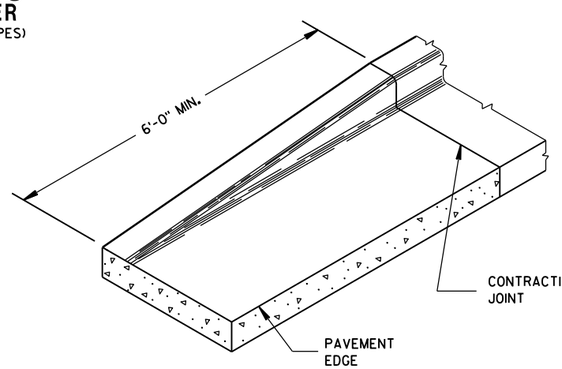


① TYPES A & D



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

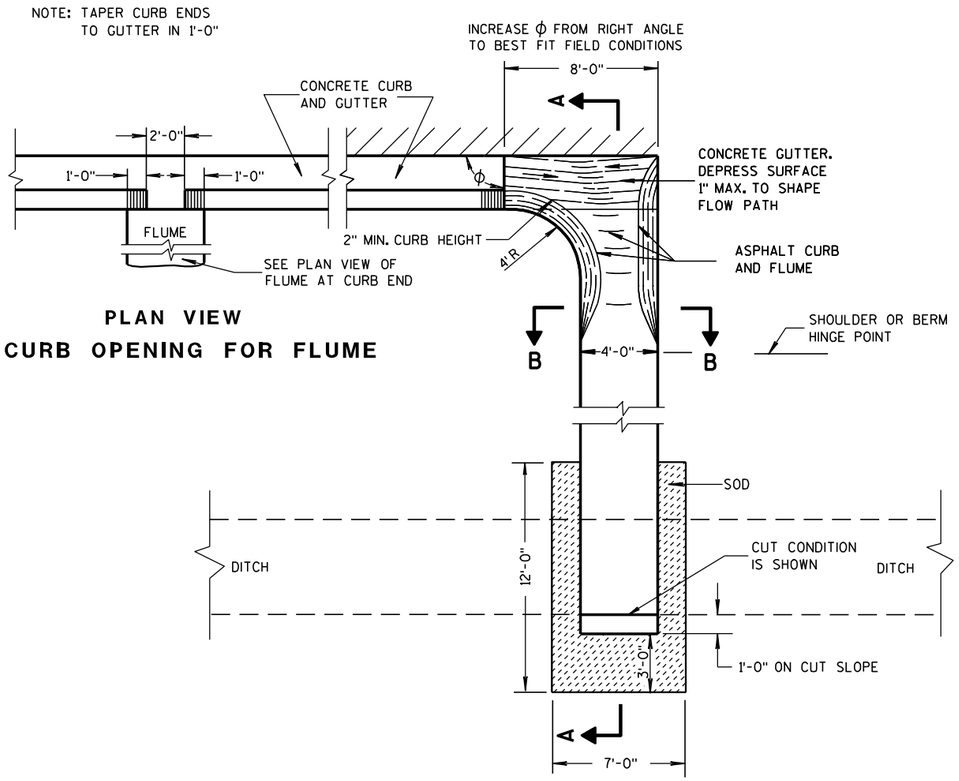
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

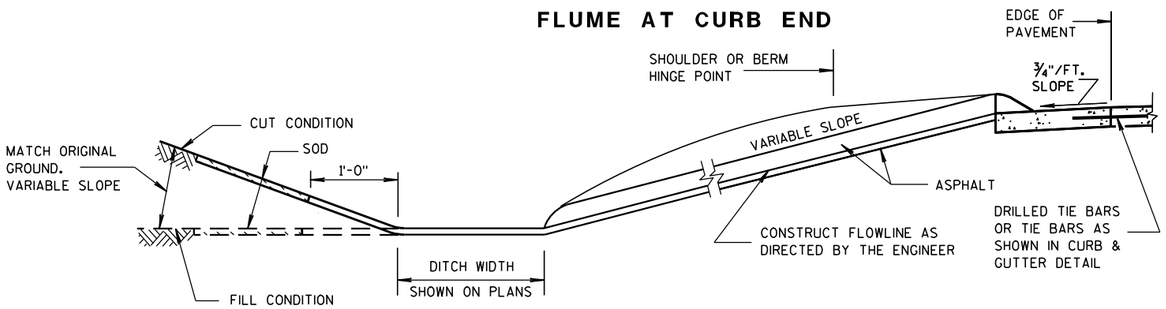
S.D.D. 8 D 1-18

ASPHALTIC FLUME

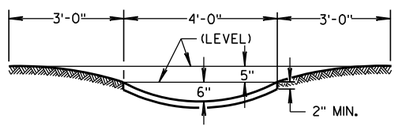


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

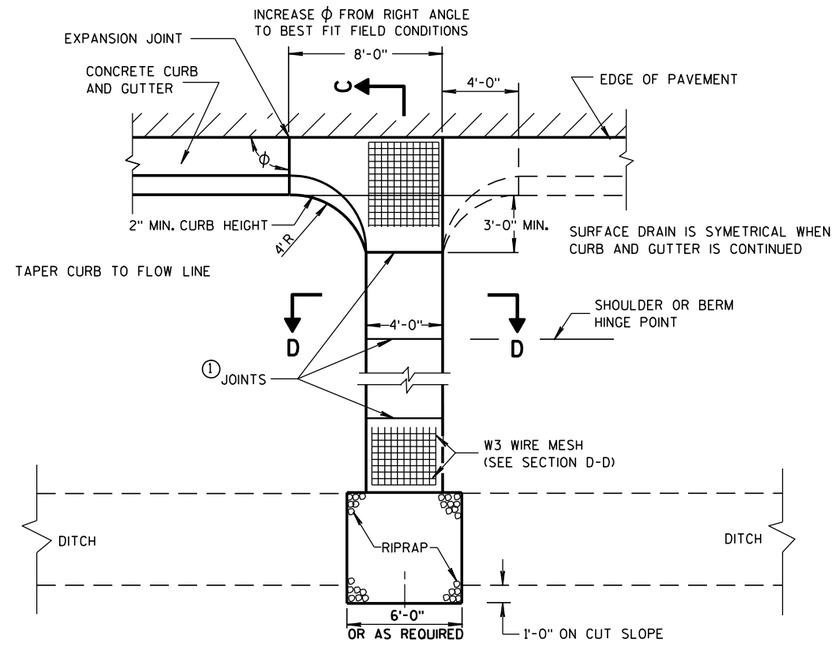
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

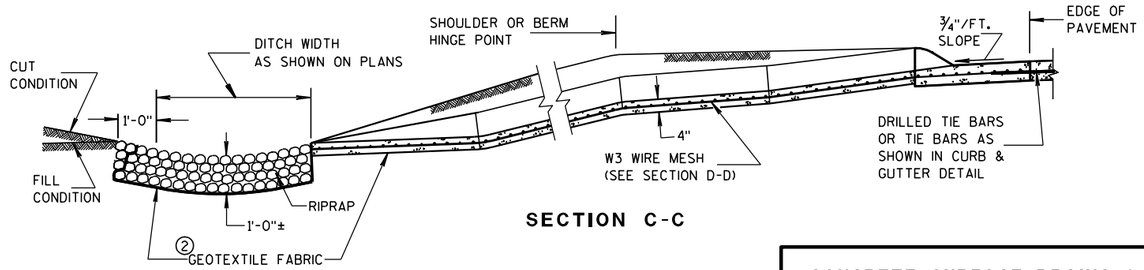
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

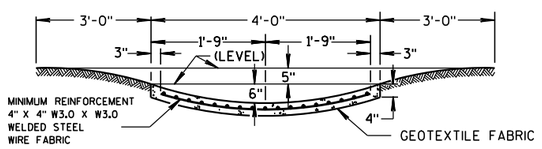
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

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S.D.D. 8 D 4-5

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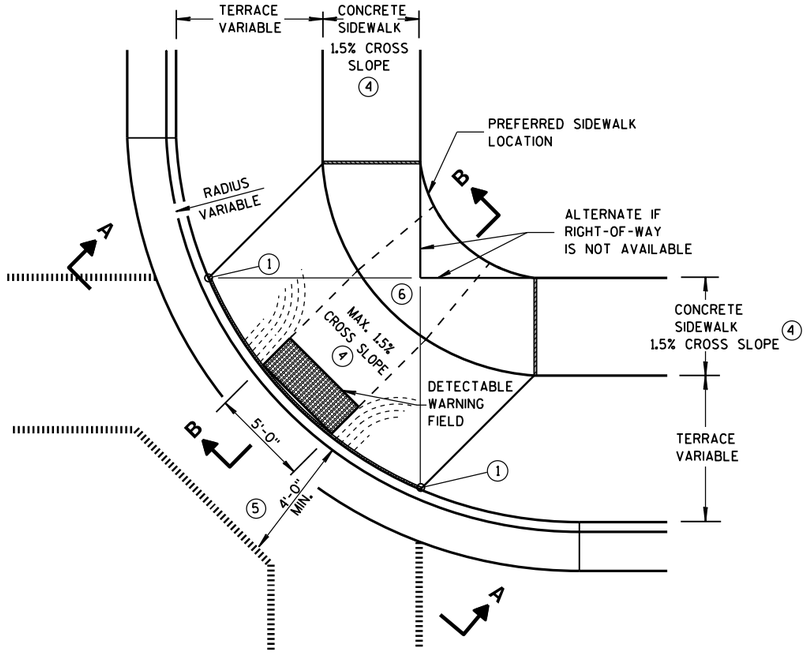
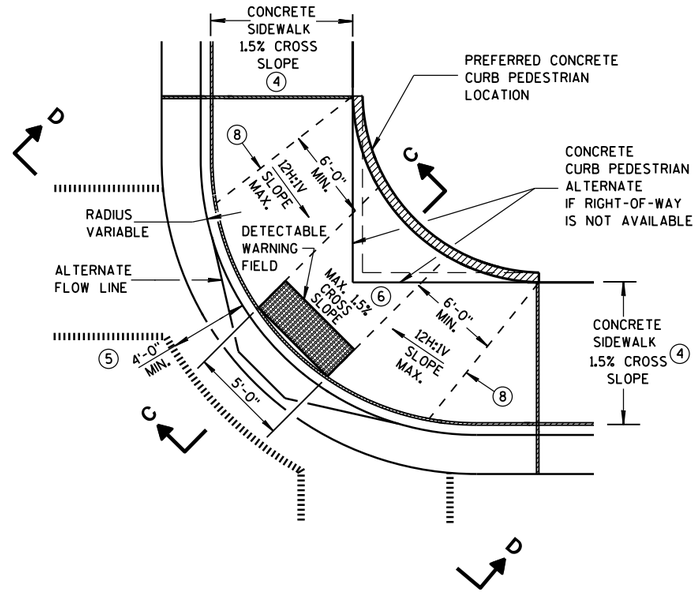
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN $\frac{1}{4}$-INCH ARE ALLOWED.

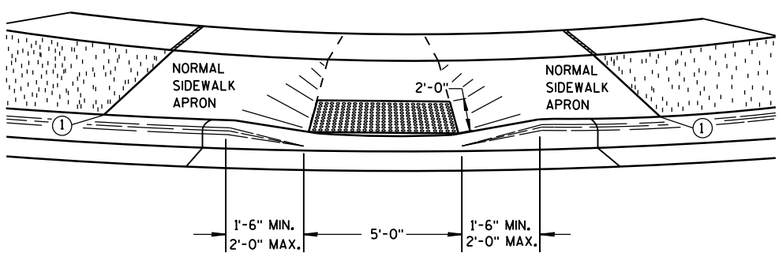
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

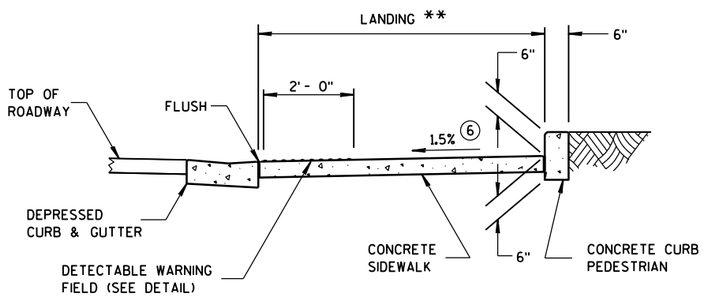
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A-A

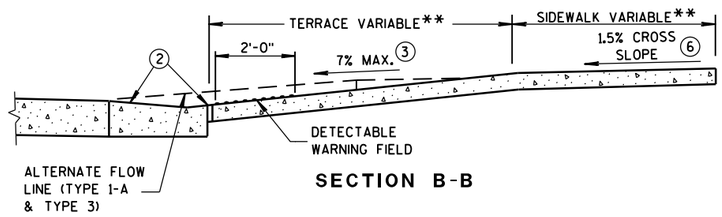
** WIDTH SHOWN ELSEWHERE IN THE PLANS



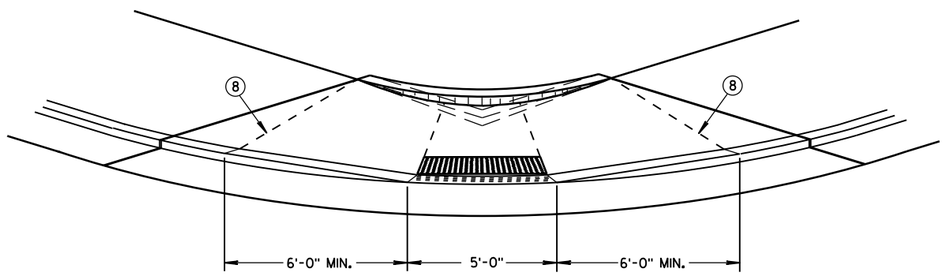
SECTION C-C

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



SECTION B-B



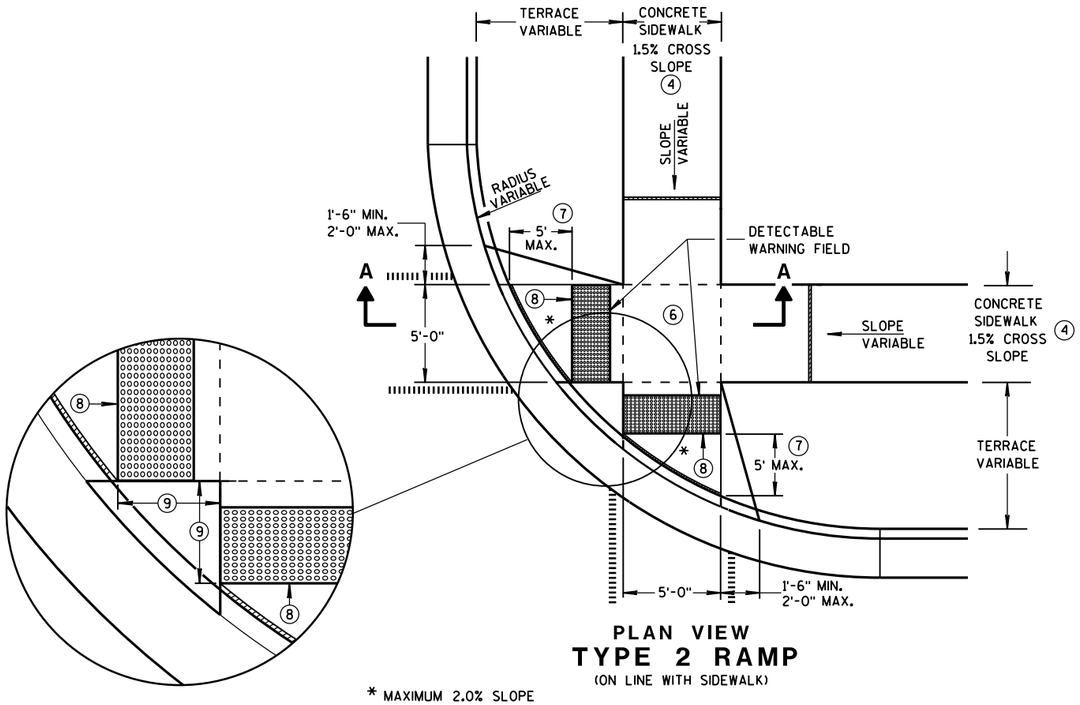
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-16a

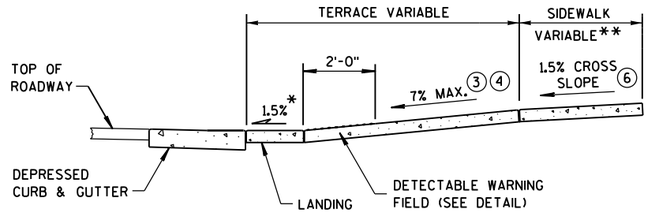


PLAN VIEW

TYPE 2 RAMP

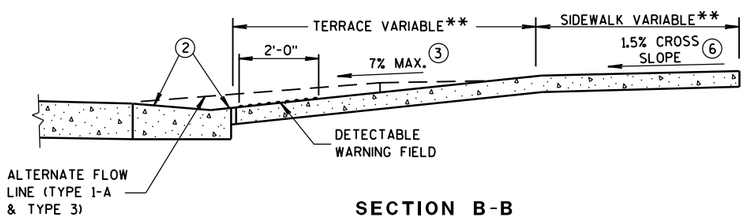
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

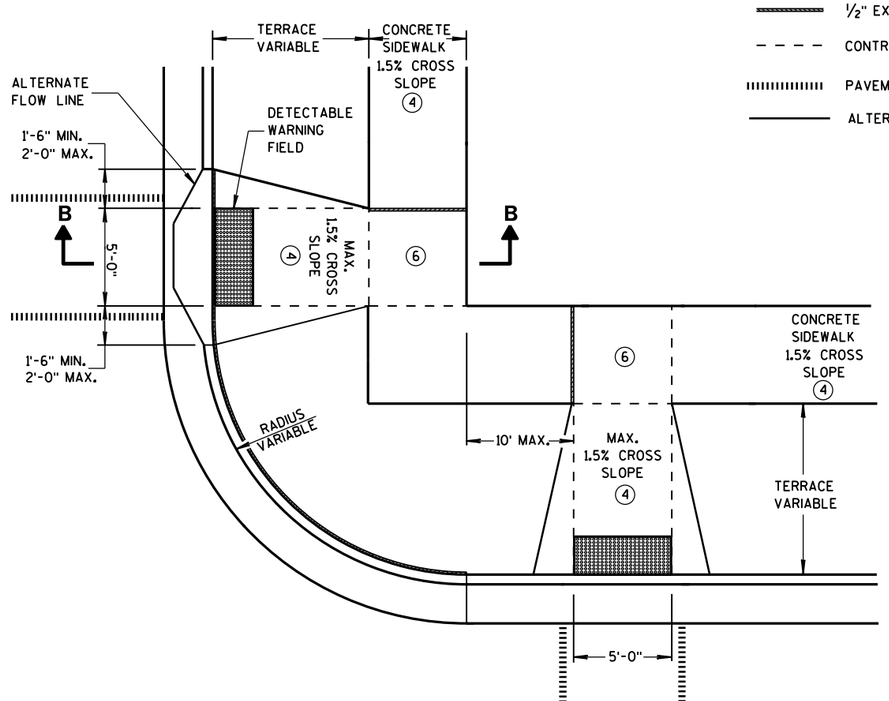
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. 2" MINIMUM CURB HEIGHT.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

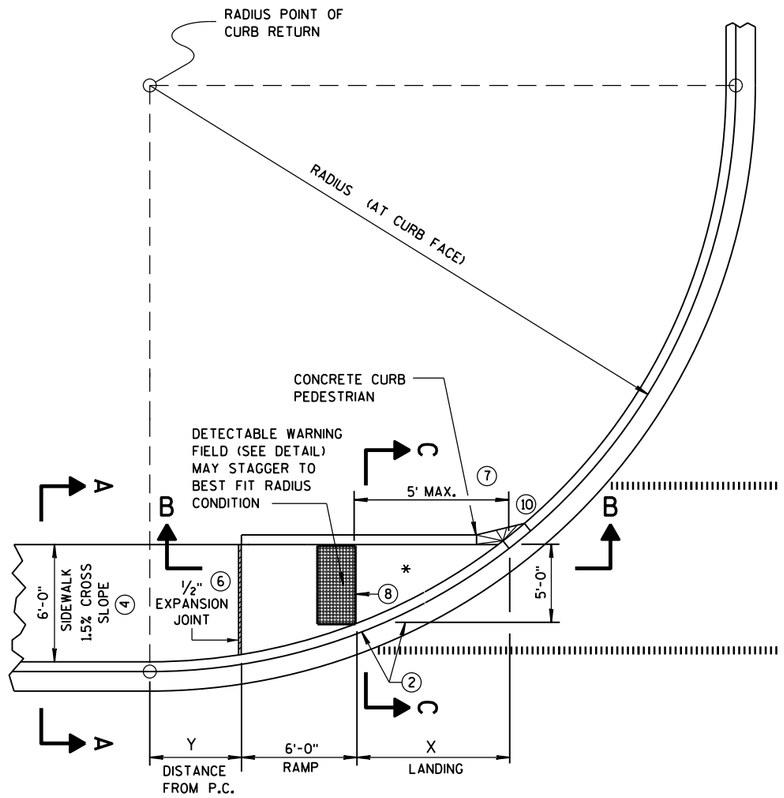
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-16b

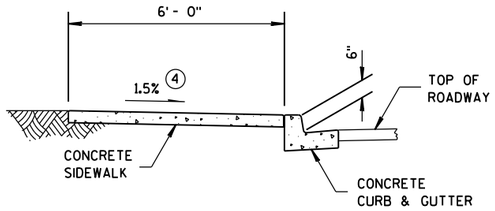


CURB RAMP TYPE 4A

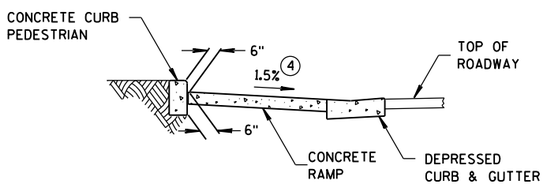
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

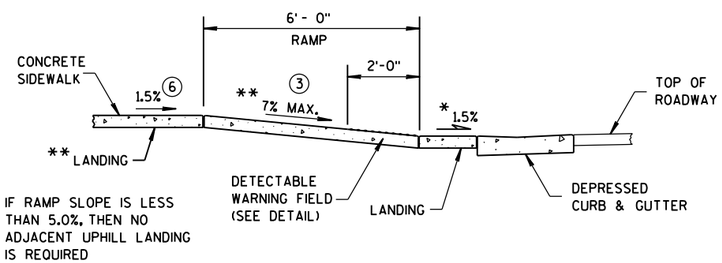
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

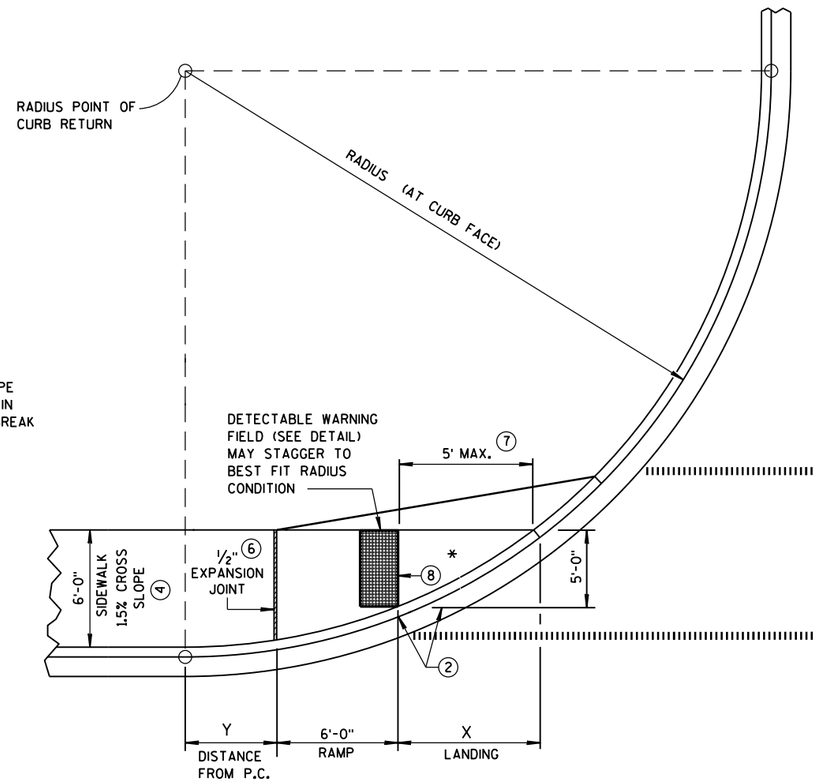


SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1

PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

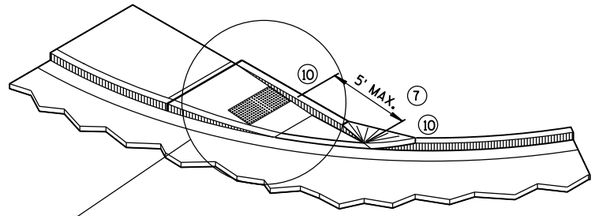
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

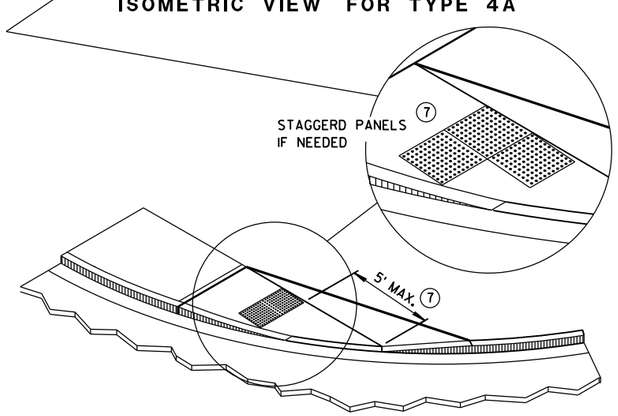
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

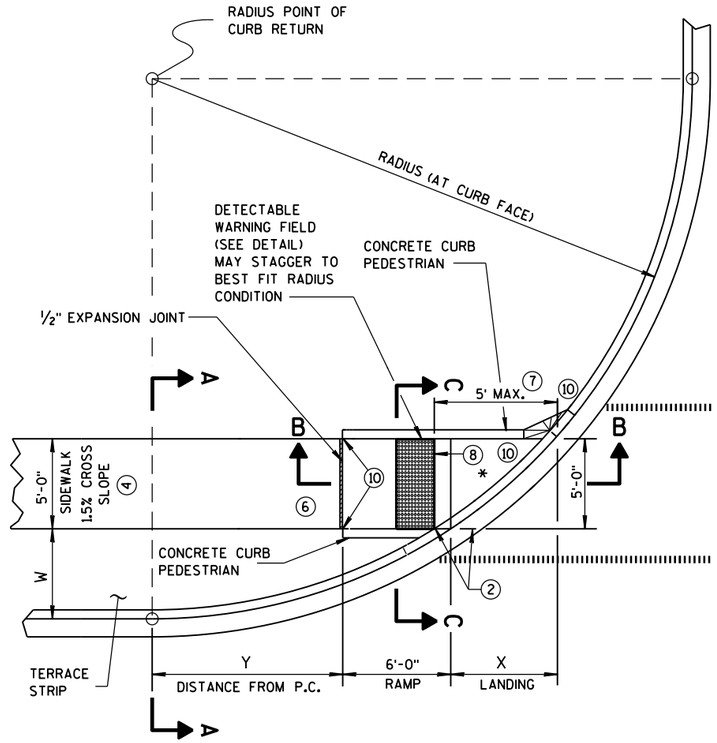
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

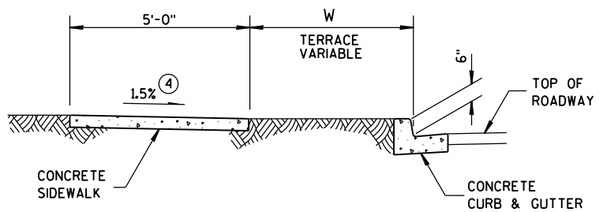
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

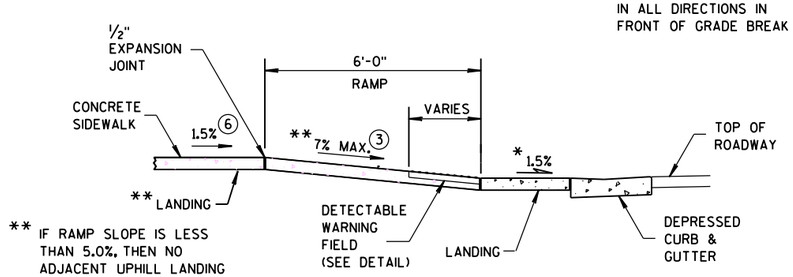
S.D.D. 8 D 5-16c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

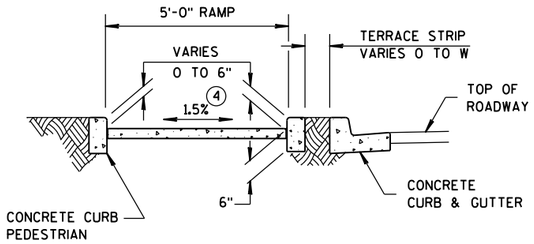
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

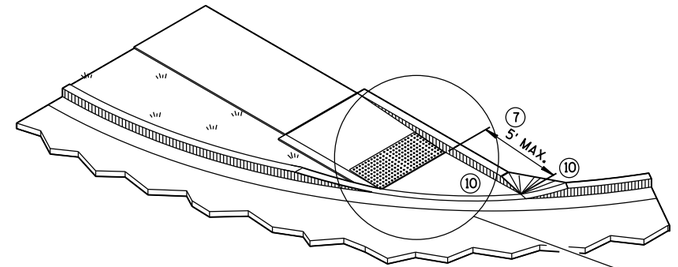
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

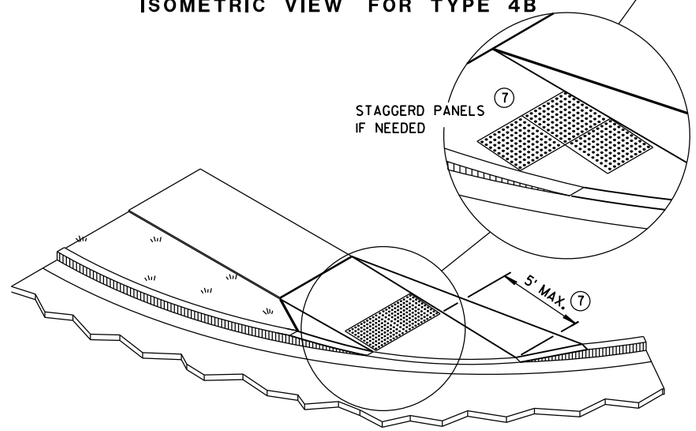
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

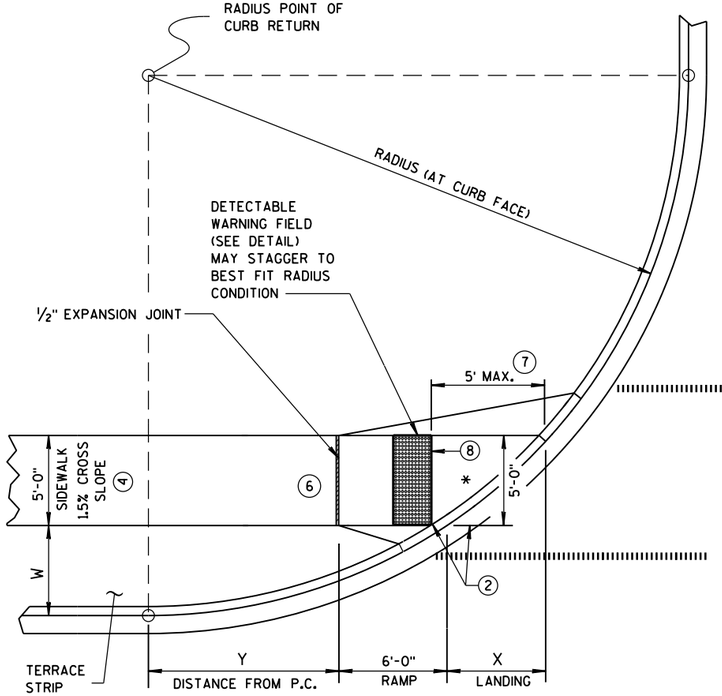
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



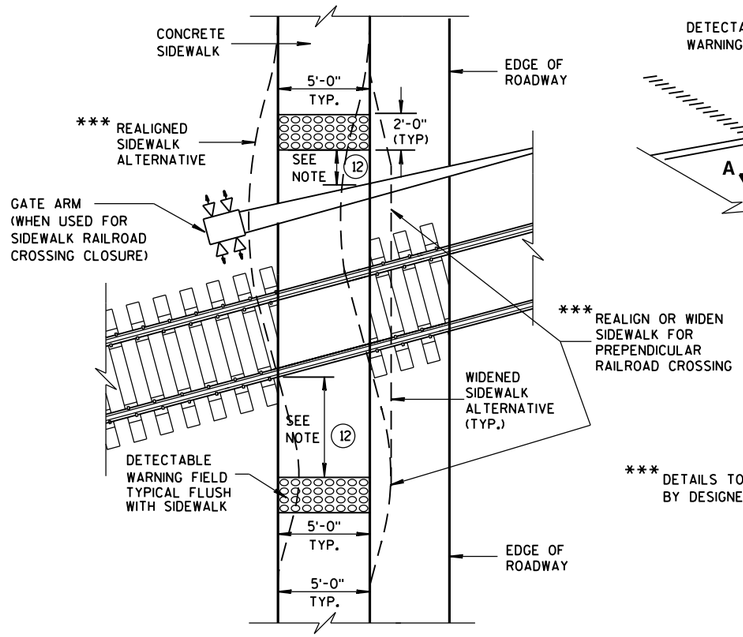
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

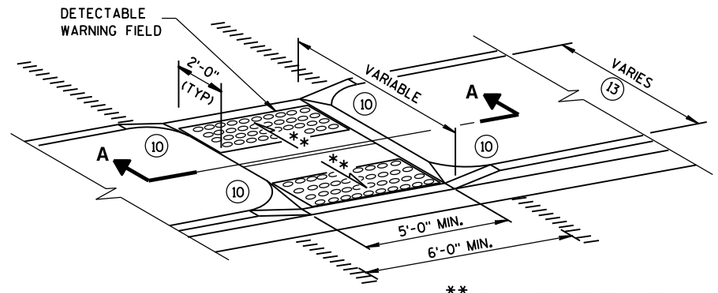
6

S.D.D. 8 D 5-16d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

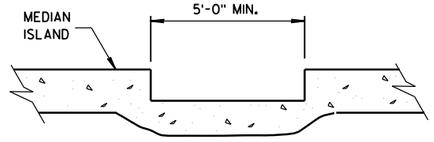
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

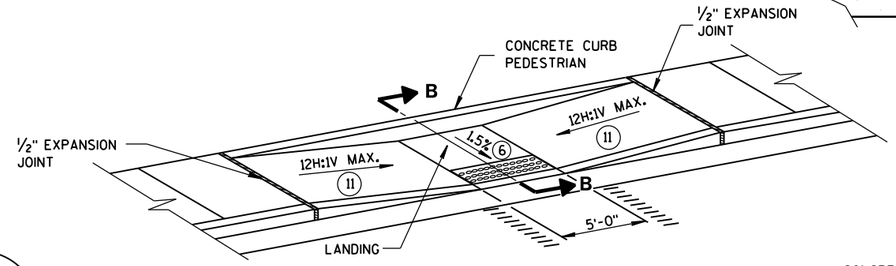
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



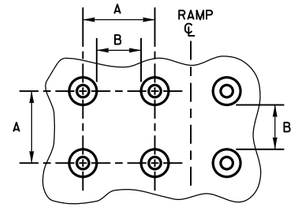
SECTION A-A



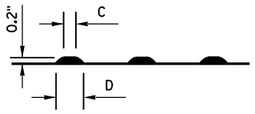
MID-BLOCK CROSSING
TYPE 7A

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

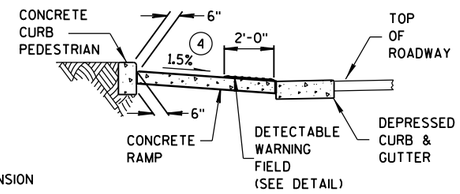


PLAN VIEW

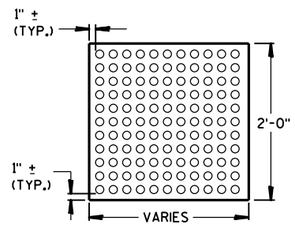


ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



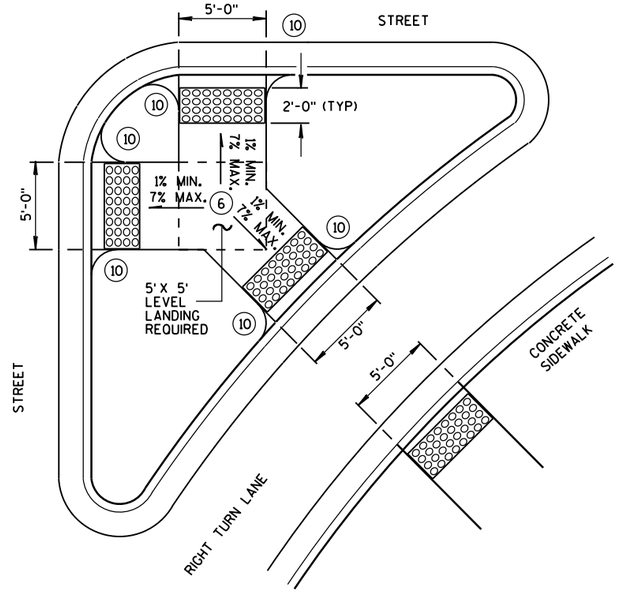
SECTION B-B



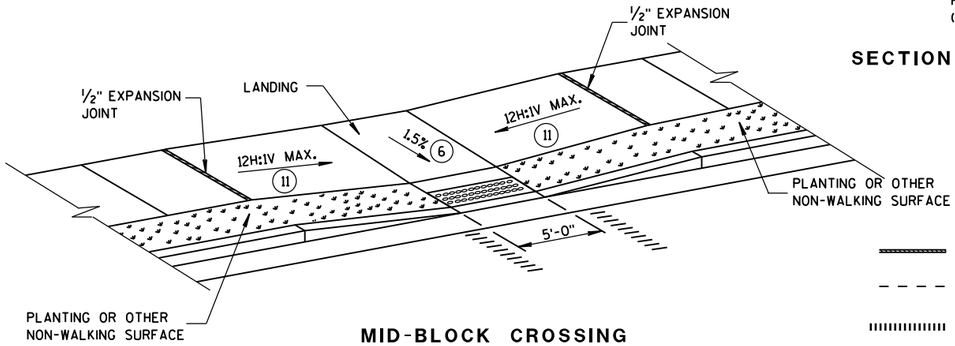
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

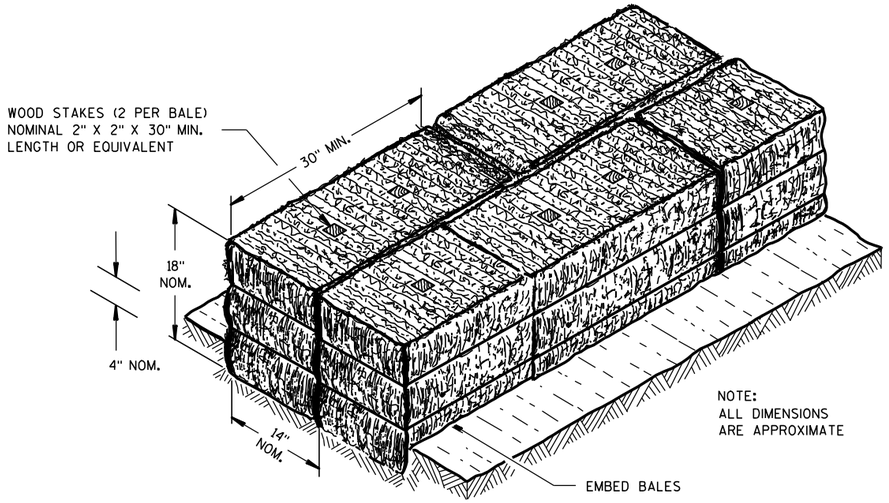
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

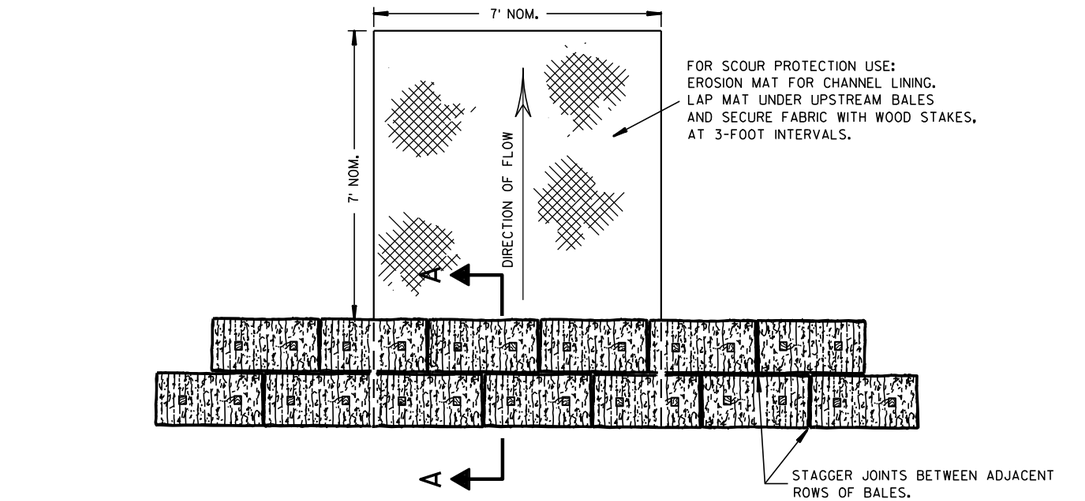
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS [illegible] ENGINEER
FHWA

6

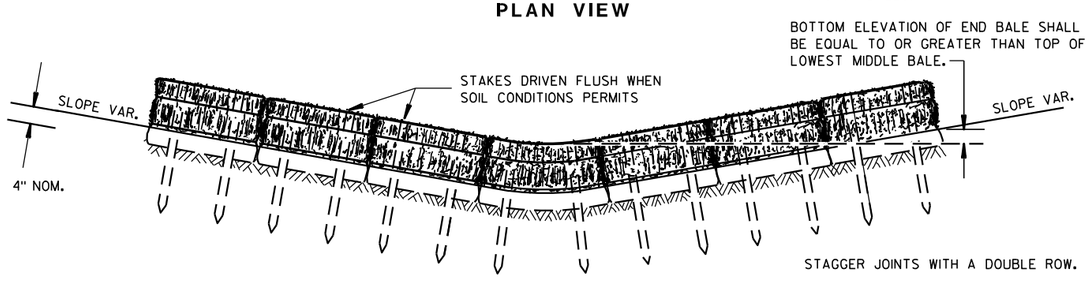
S.D.D. 8 D 5-16e



SECTION A-A



PLAN VIEW



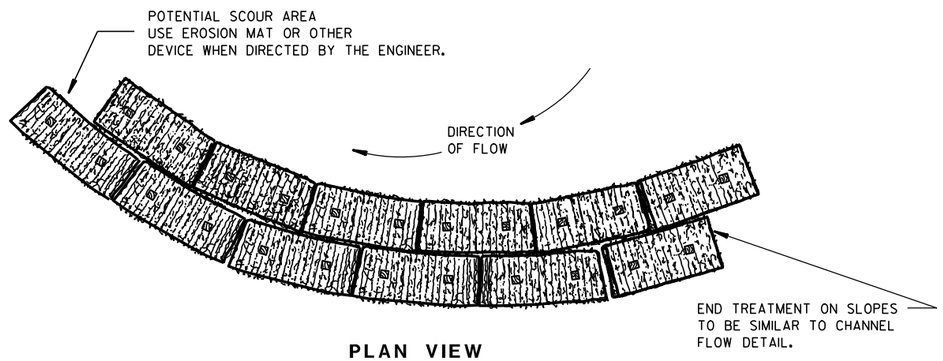
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

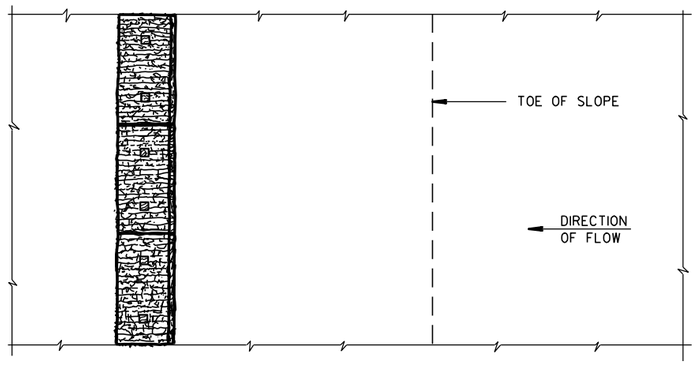
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

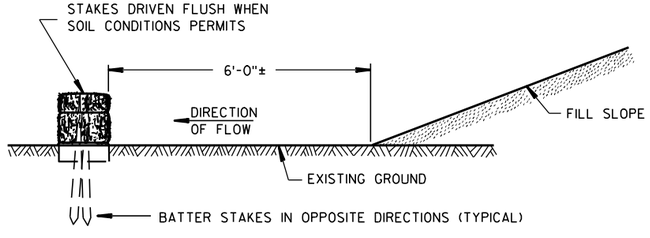


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

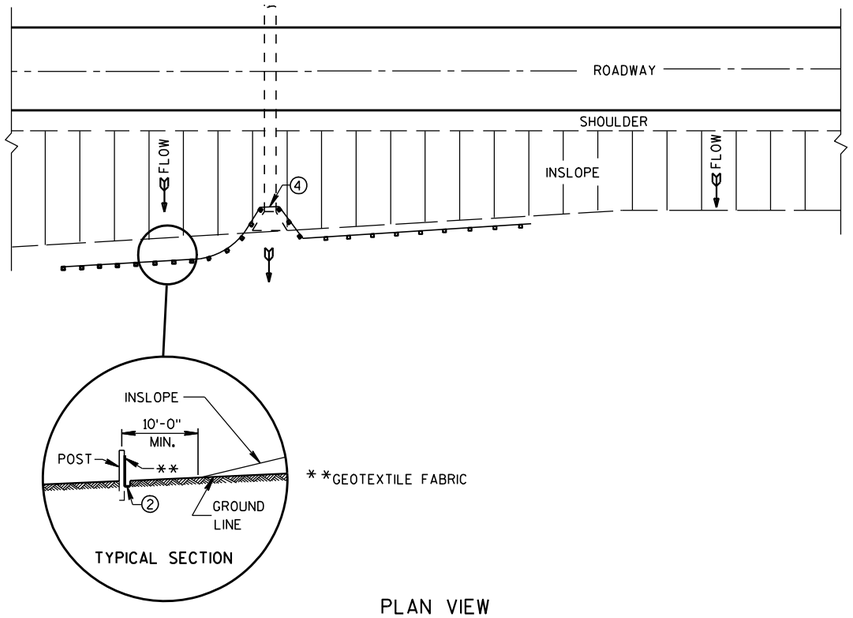
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

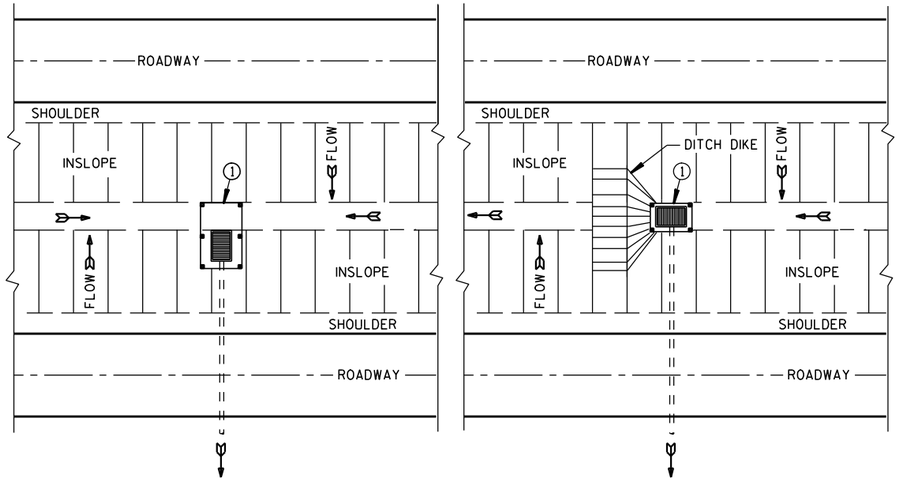
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

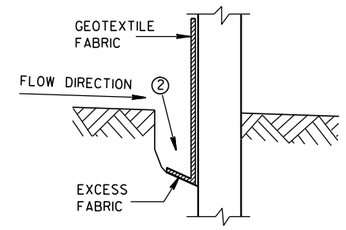
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

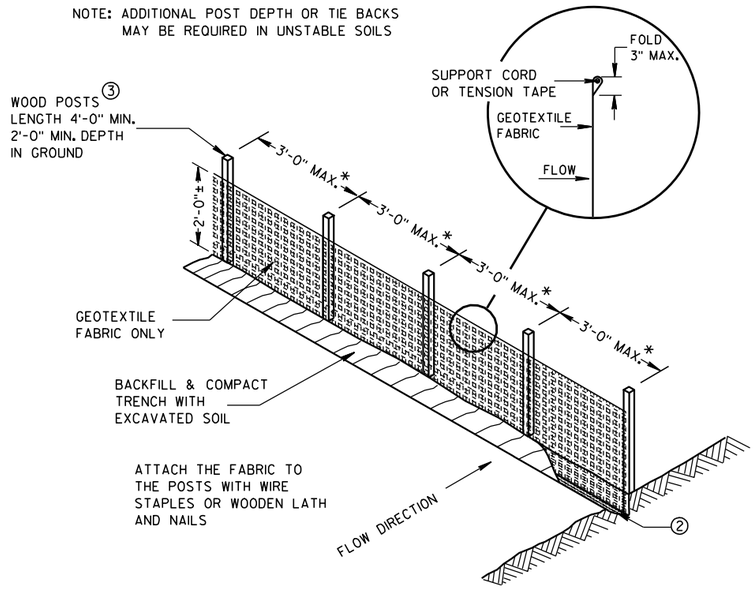
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

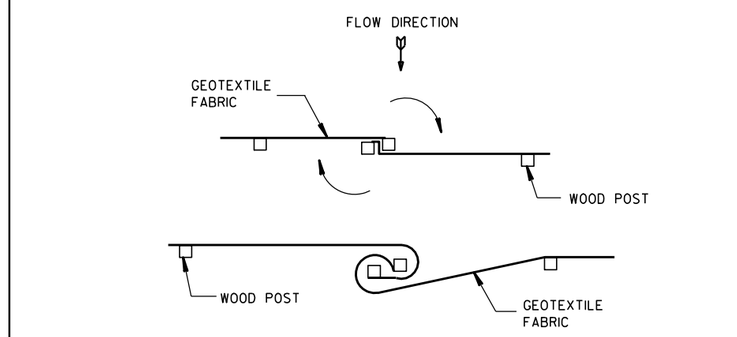


TRENCH DETAIL

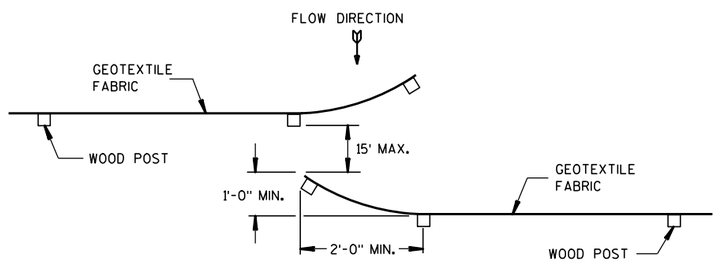


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

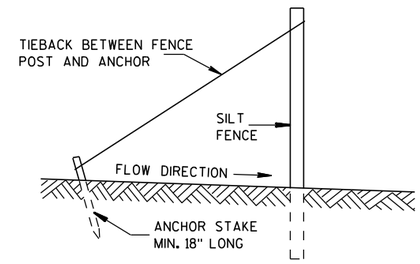


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

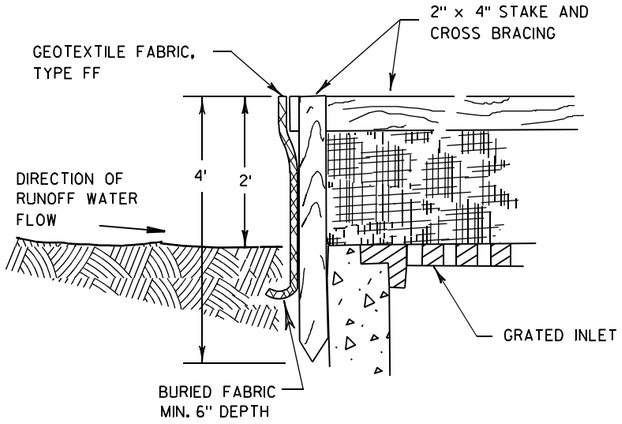
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

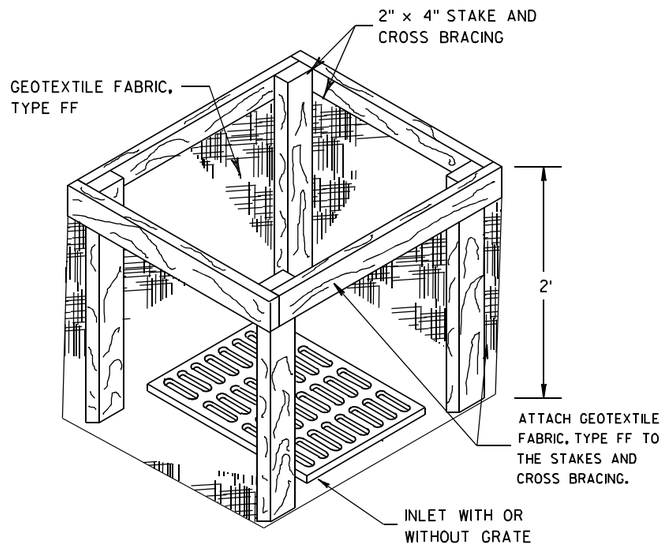
6

S.D.D. 8 E 9-6

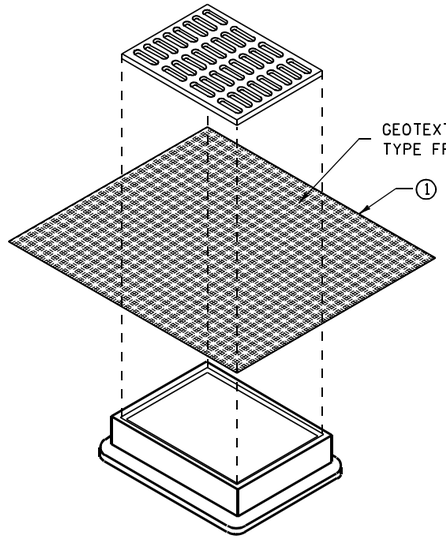
6

S.D.D. 8 E 9-6



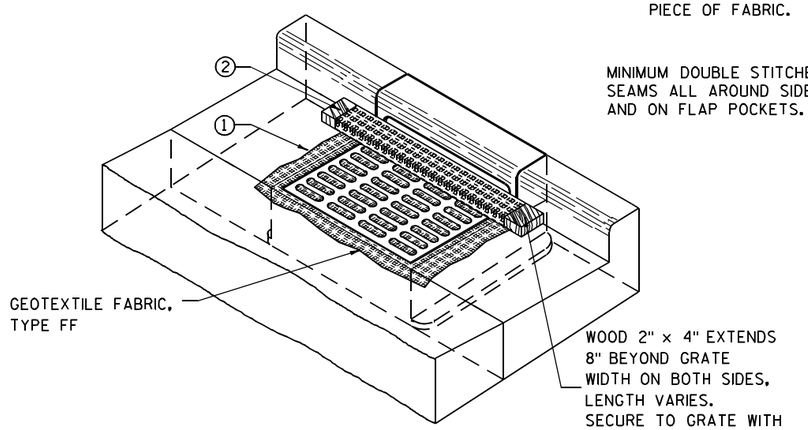


INLET PROTECTION, TYPE A

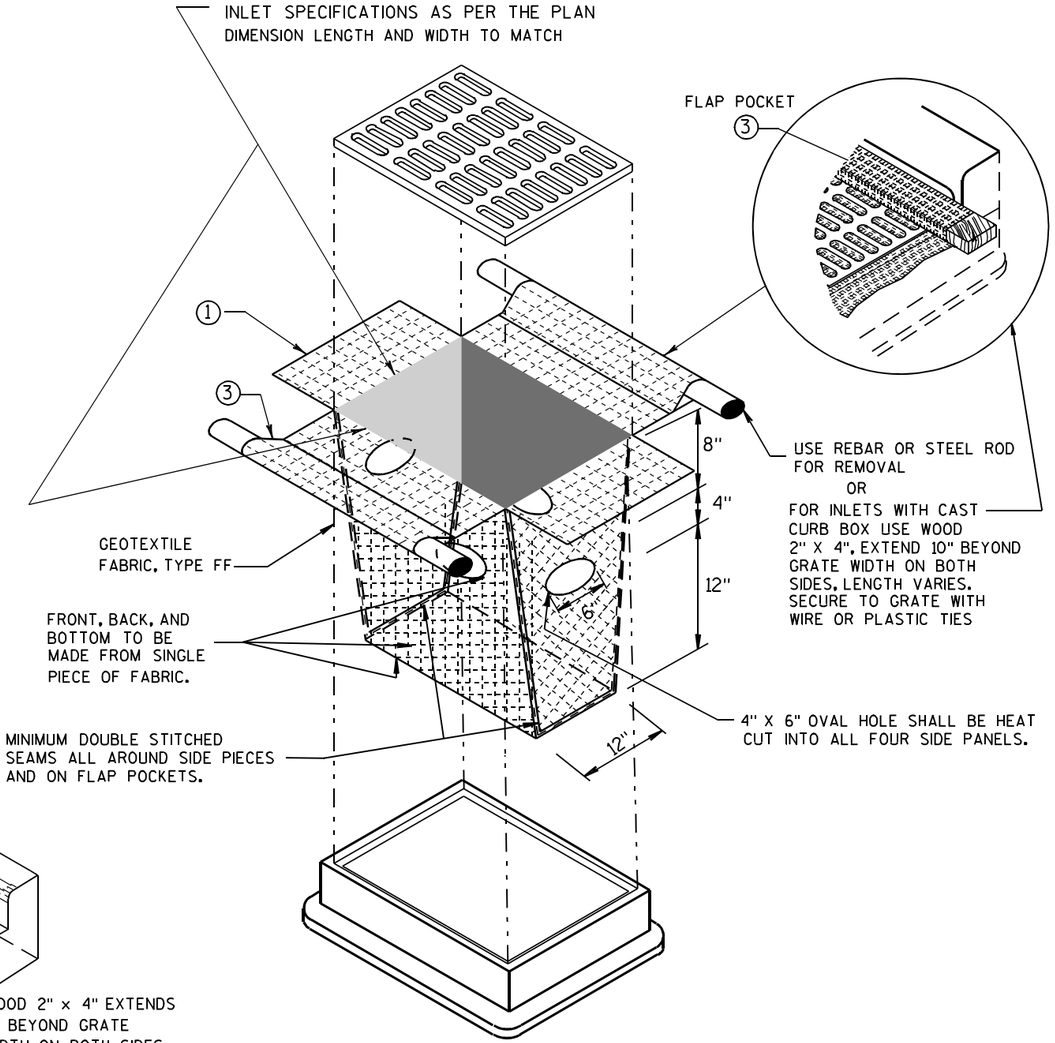


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

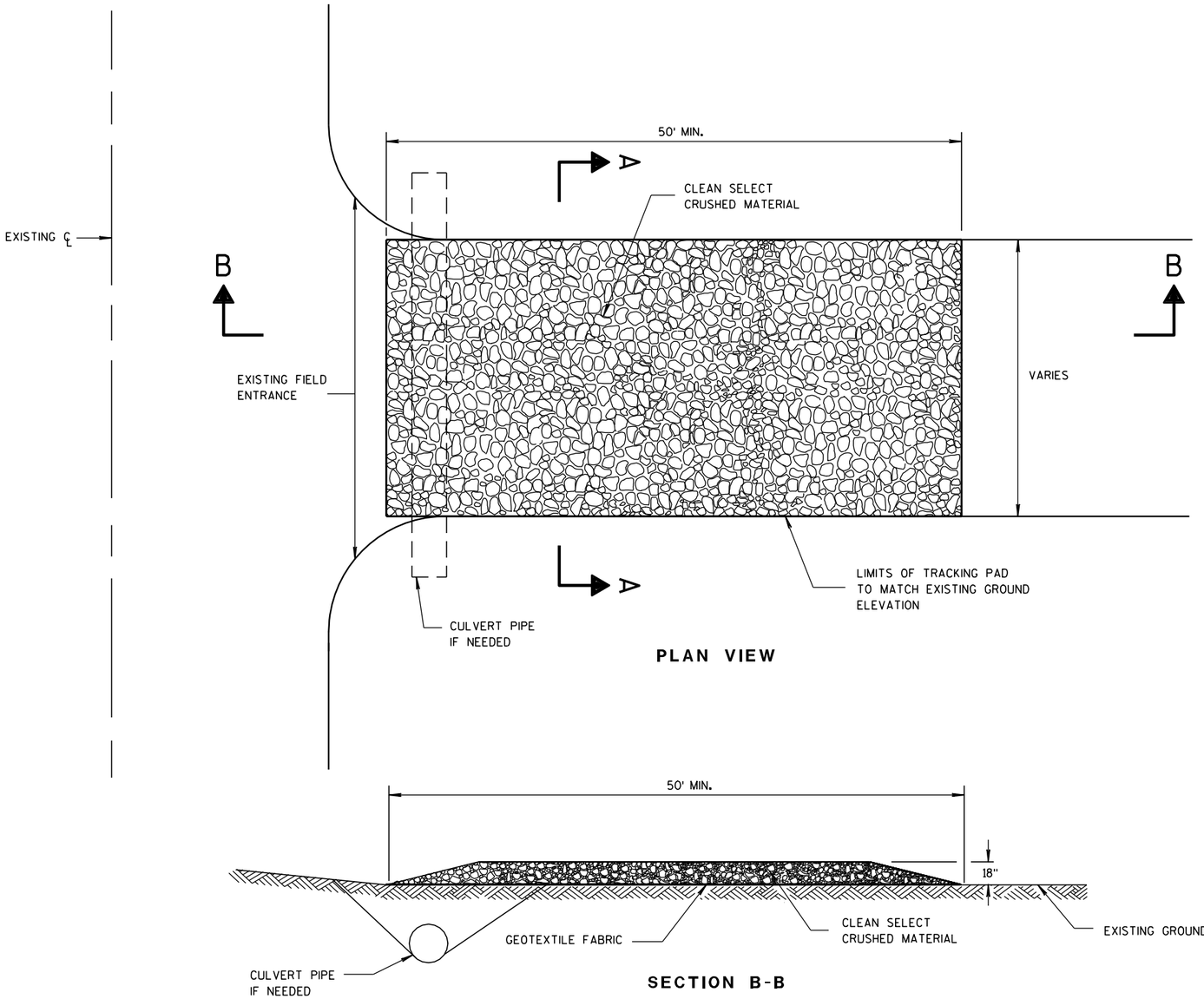
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

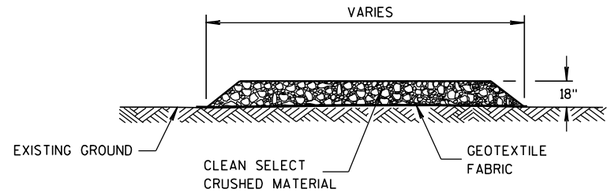
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER
223
ENT
FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

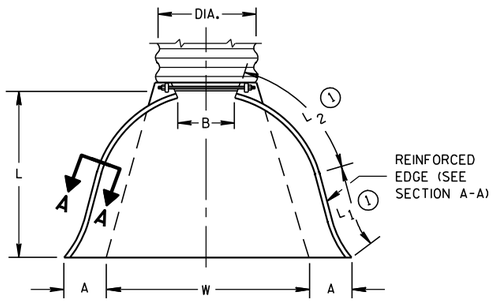
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

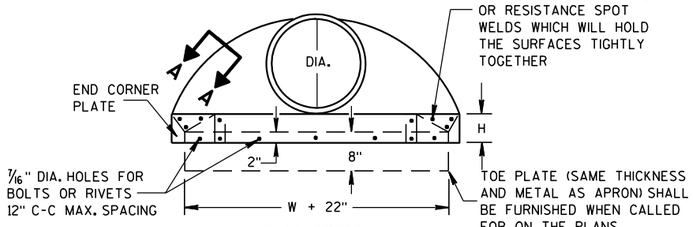
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

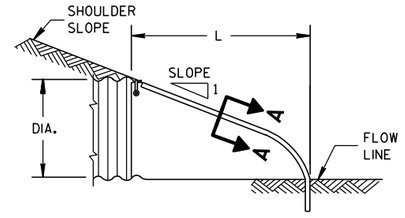
*MINIMUM
**MAXIMUM



PLAN VIEW

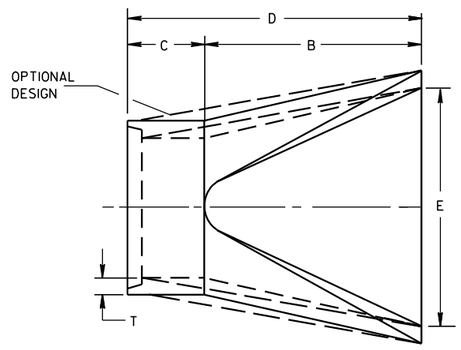


END VIEW

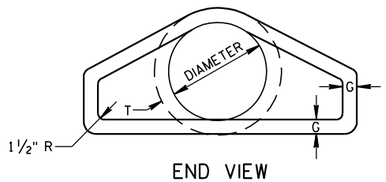


SIDE ELEVATION

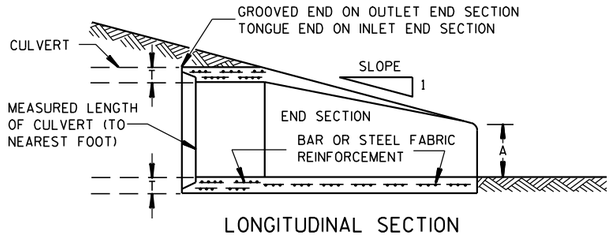
METAL ENDWALLS



PLAN

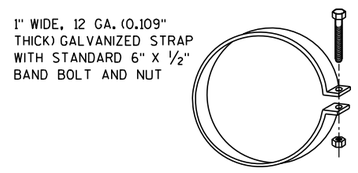


END VIEW



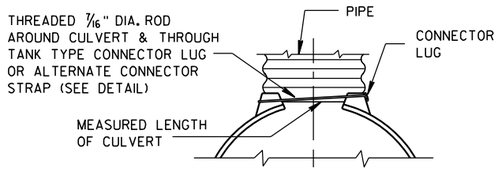
LONGITUDINAL SECTION

CONCRETE ENDWALLS

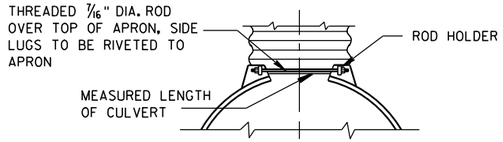


ALTERNATE FOR TYPE 1 CONNECTION

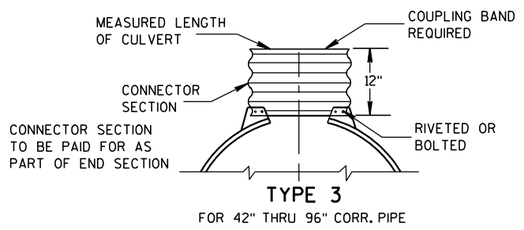
END SECTION CONNECTOR STRAP



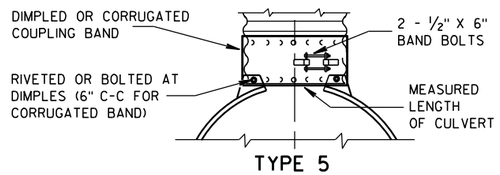
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

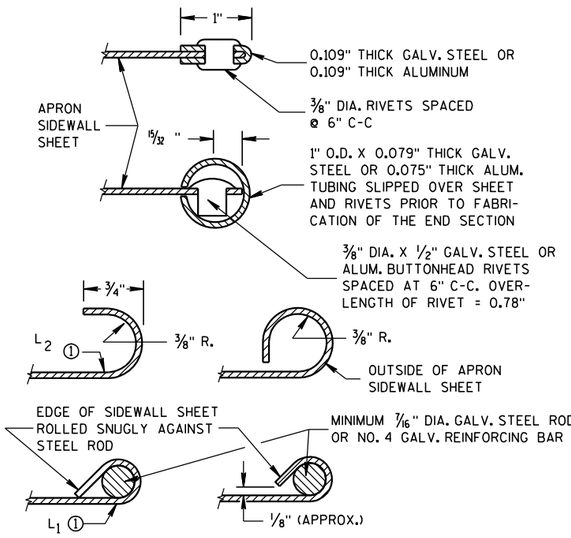
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

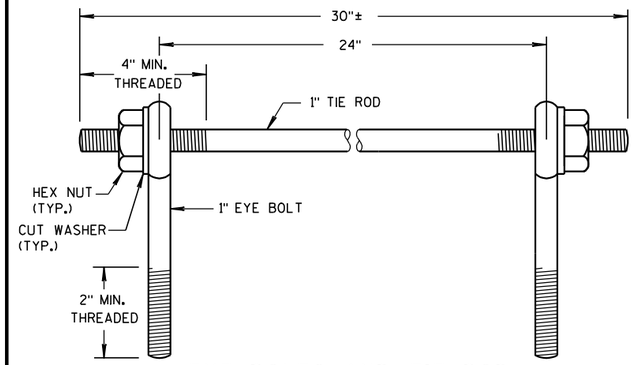
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

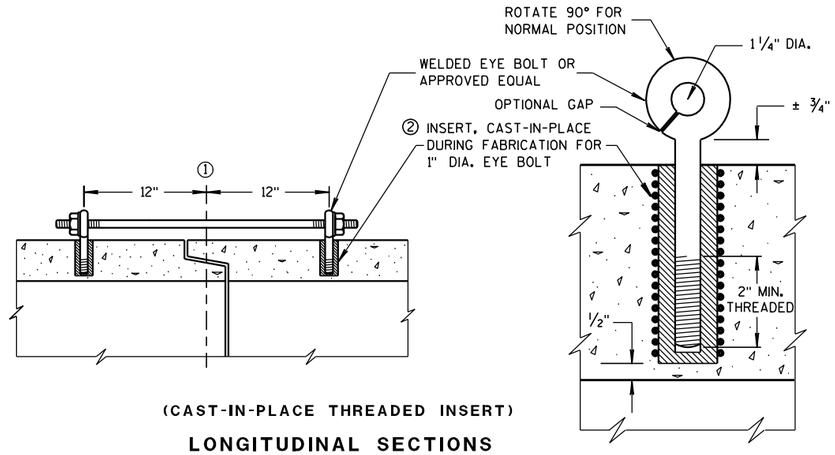
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

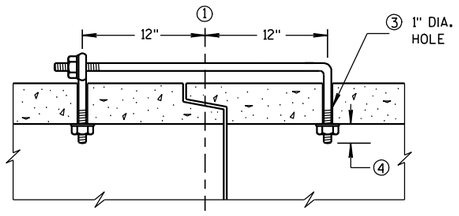
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

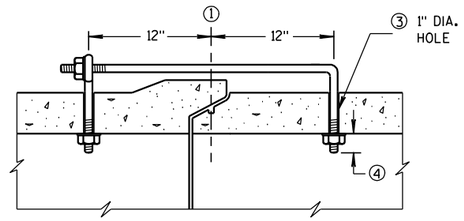
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

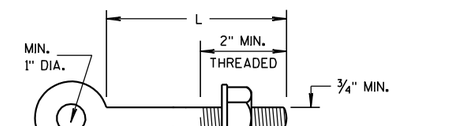


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

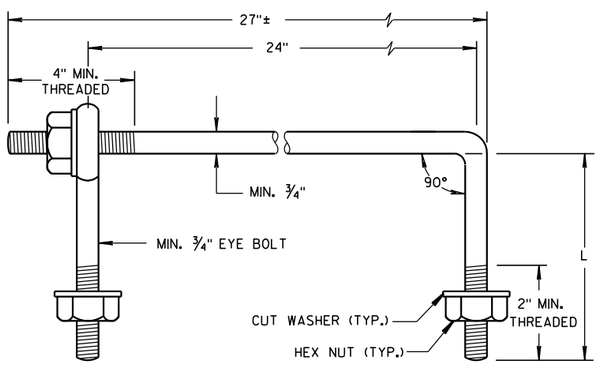
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

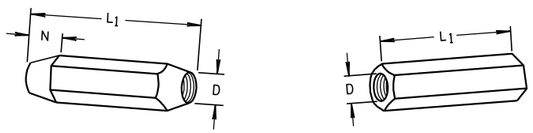
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

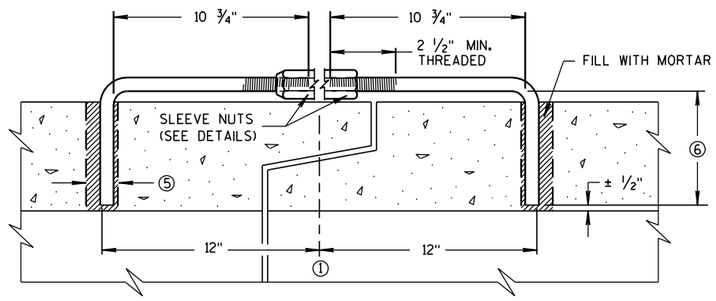
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

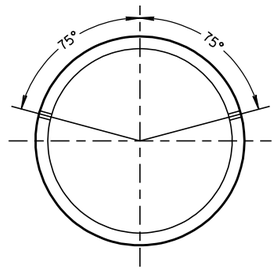
SLEEVE NUTS



LONGITUDINAL SECTION

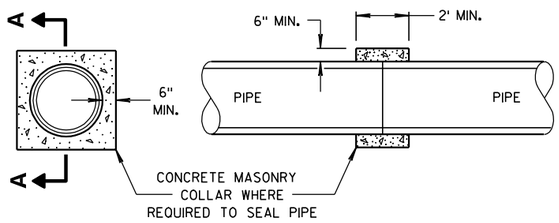
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
225 'MENT

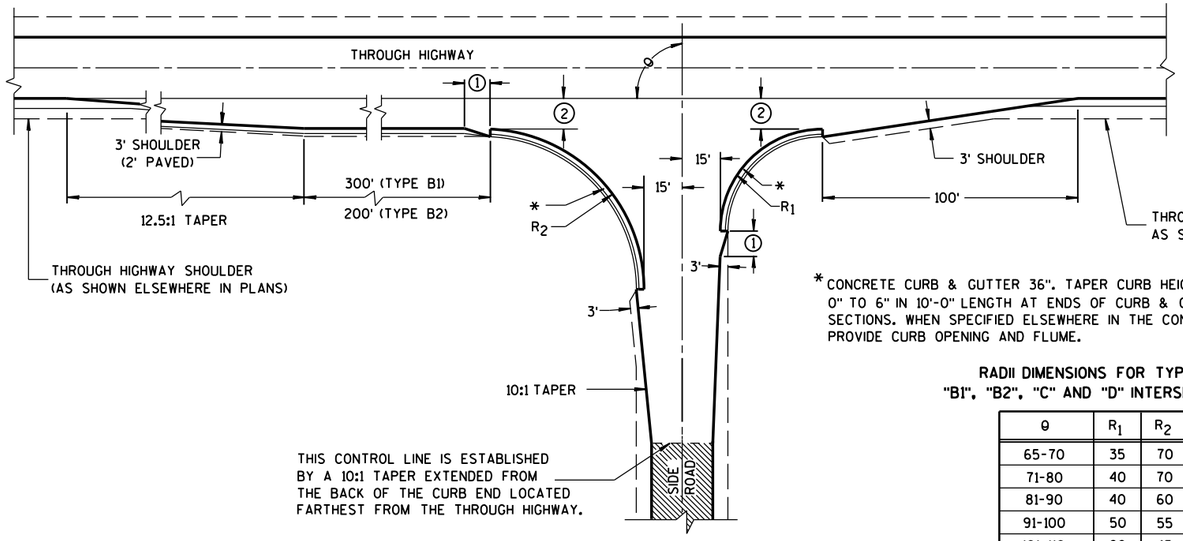
FHWA

6

S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

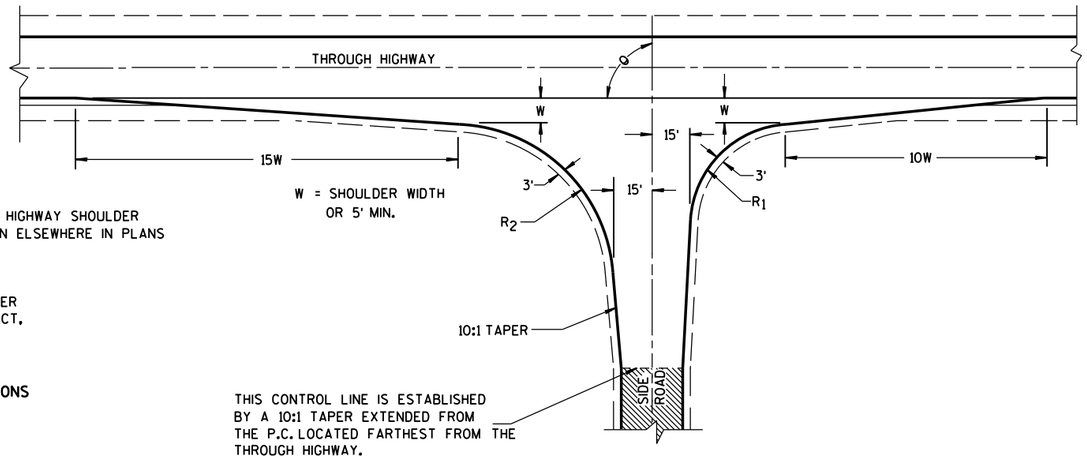


TYPE "B1" AND "B2"

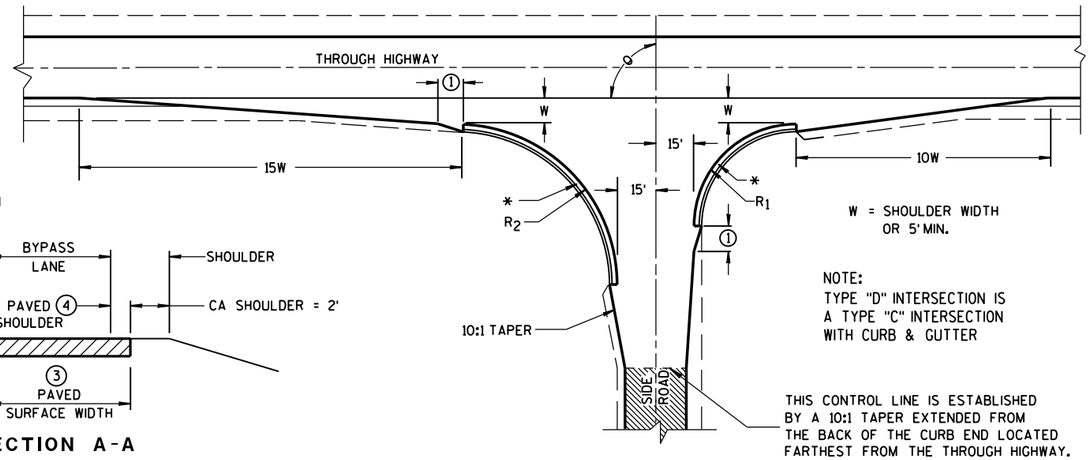
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

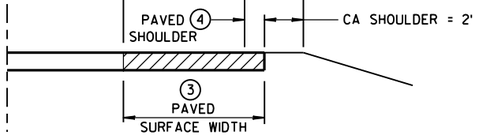
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

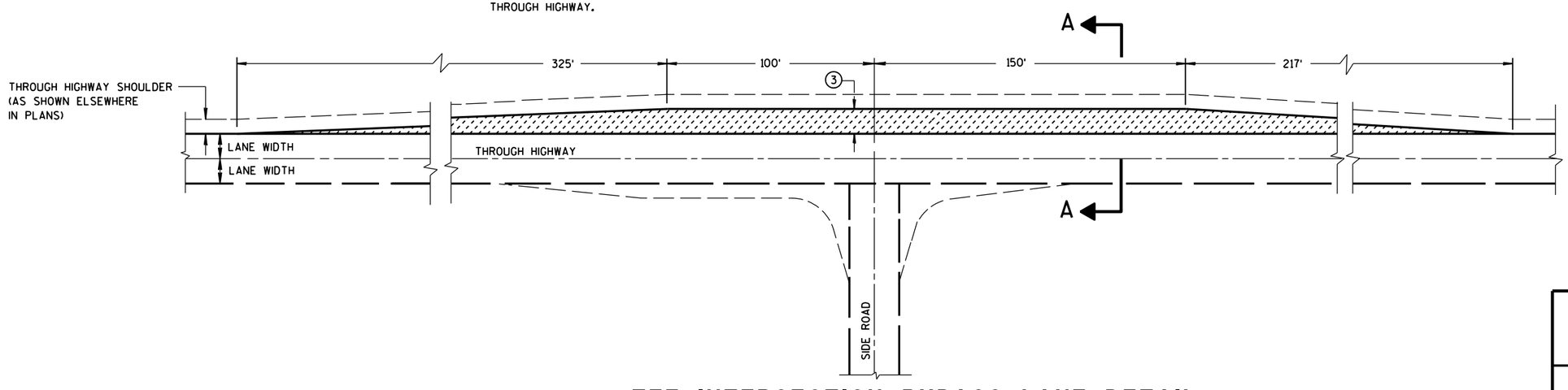
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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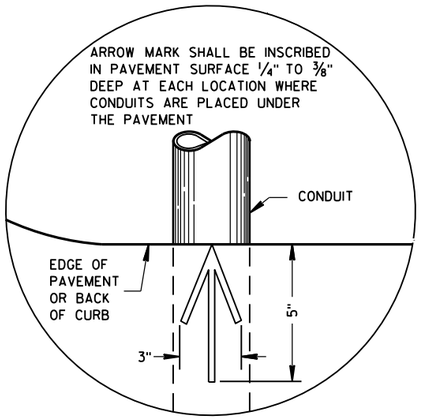
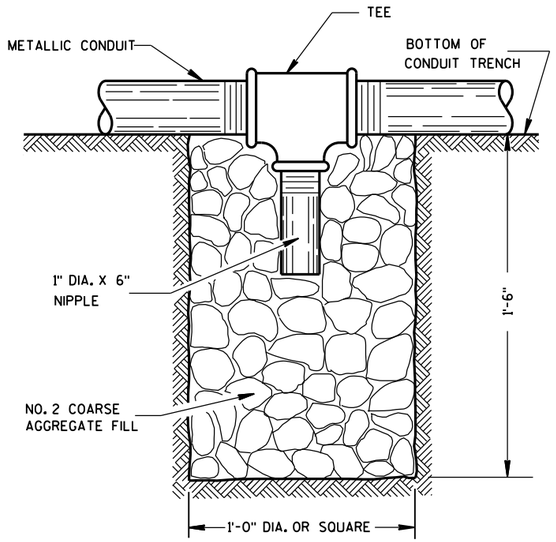
S.D.D. 9 A 1-13a



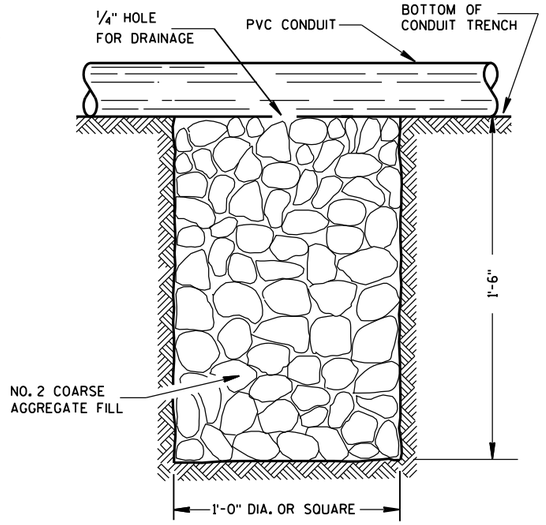
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

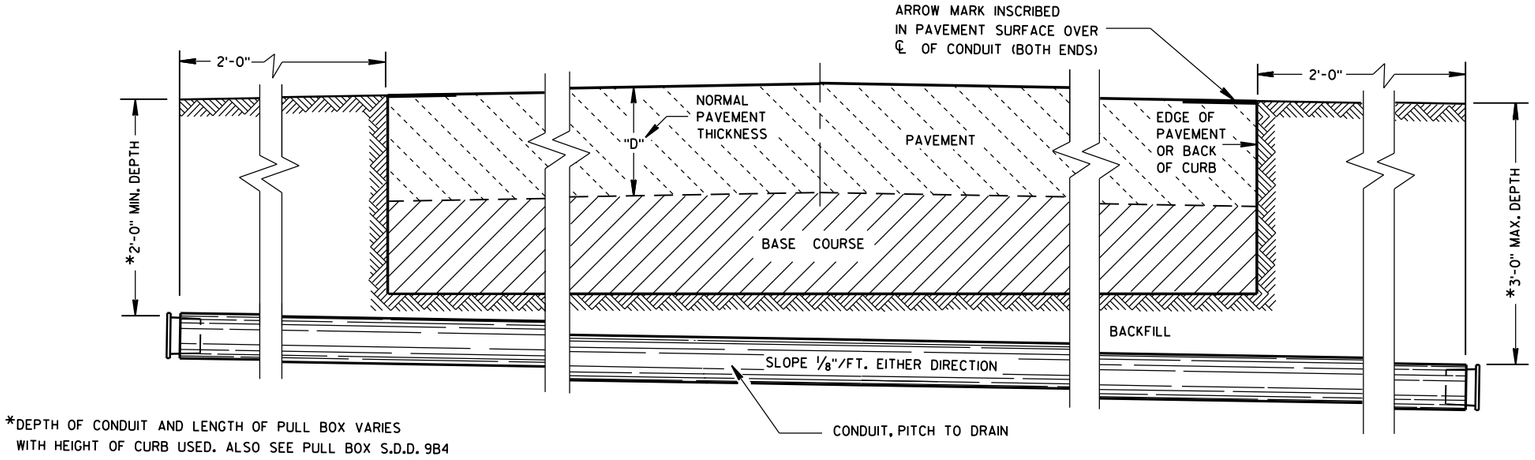
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 227
FHWA

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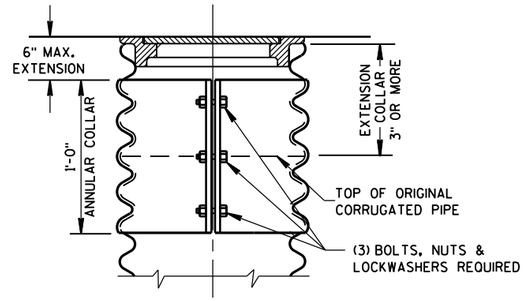
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

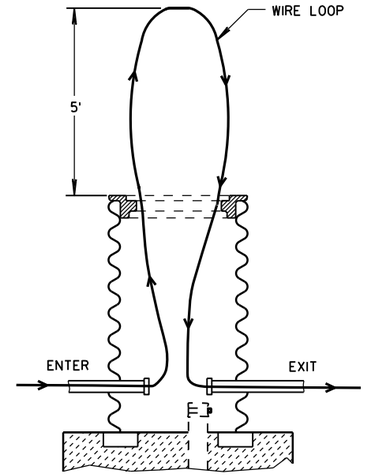
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

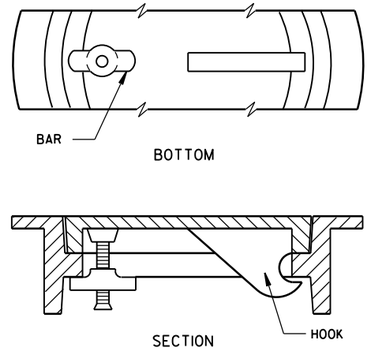
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

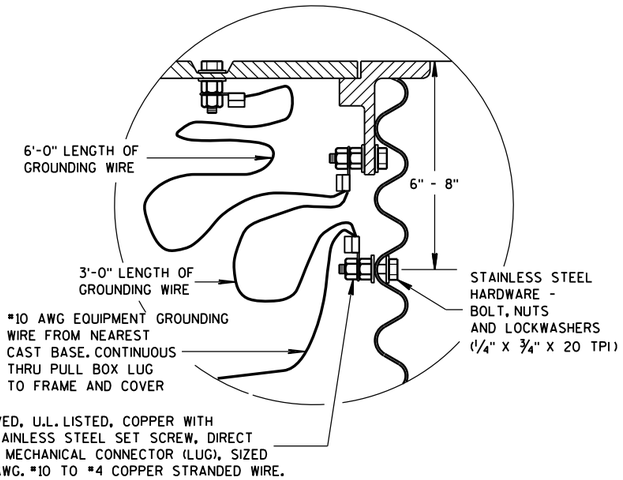


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

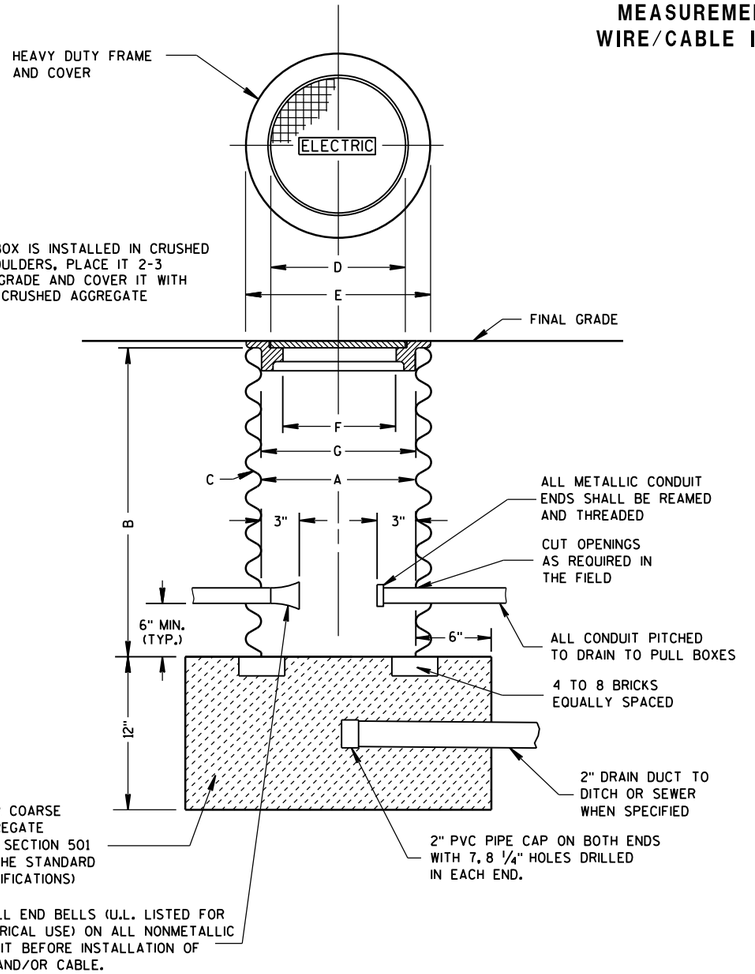


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

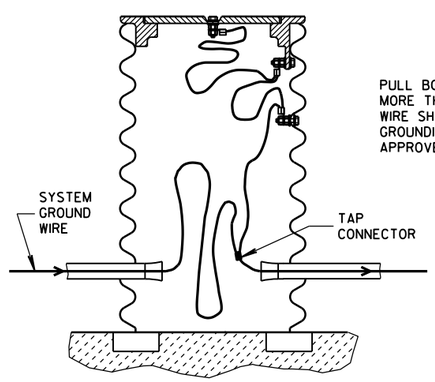
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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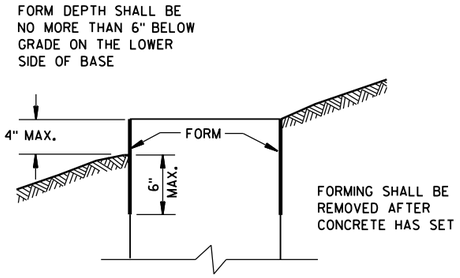
S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

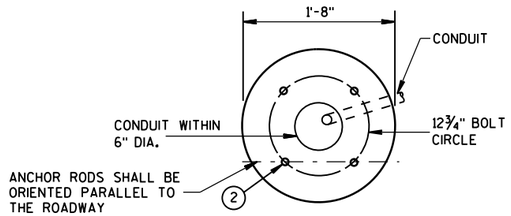
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

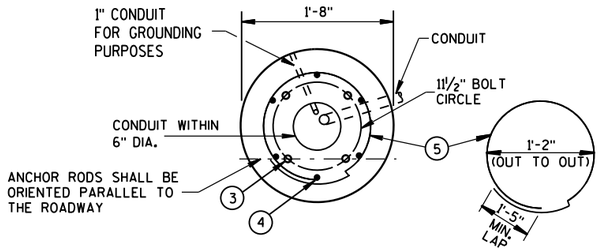
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

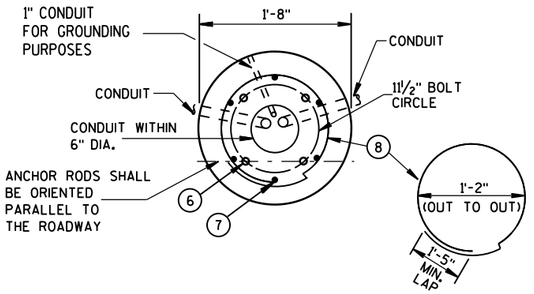
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

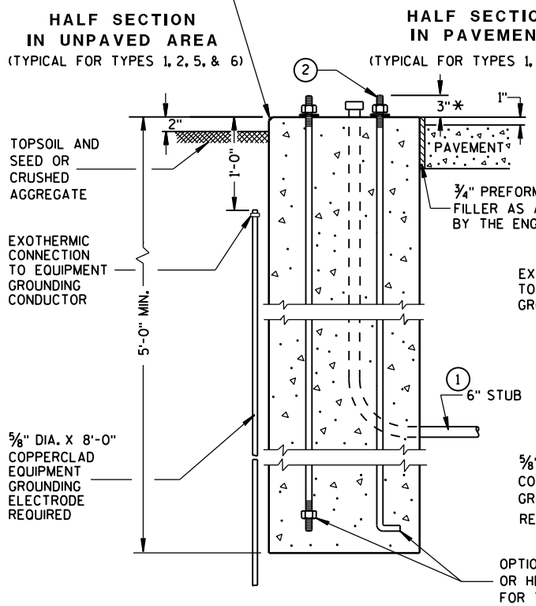






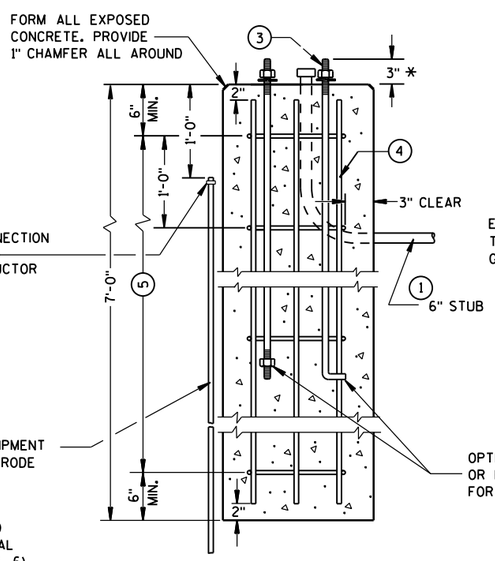
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

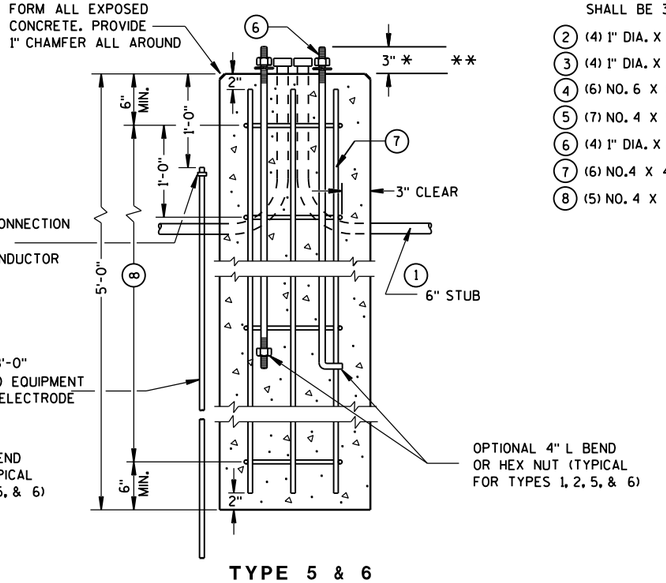


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

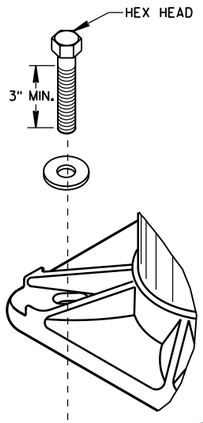
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

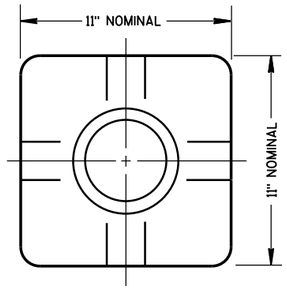
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

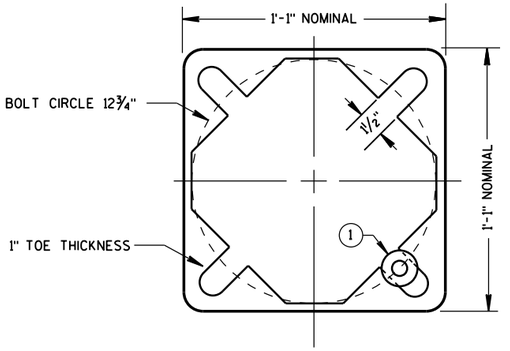
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

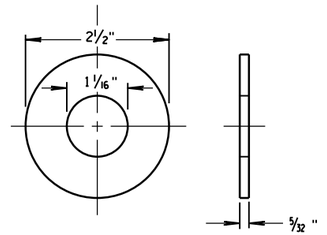




TOP VIEW
(PEDESTAL BASE)

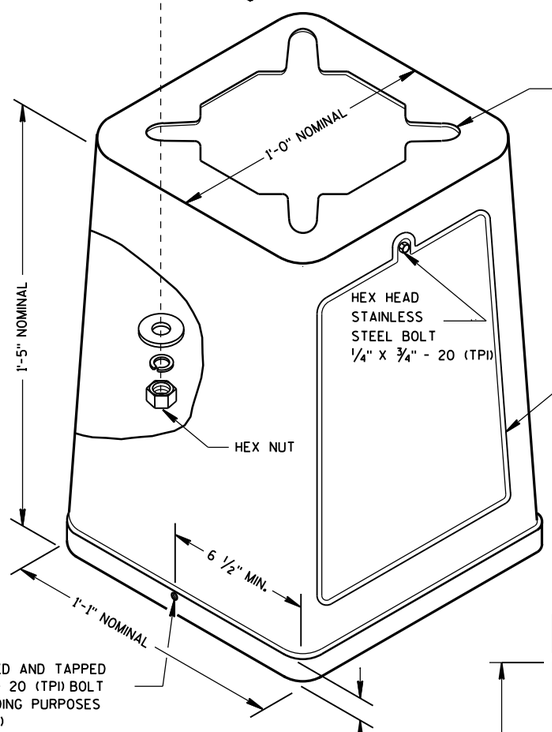


BOTTOM VIEW
(PEDESTAL BASE)

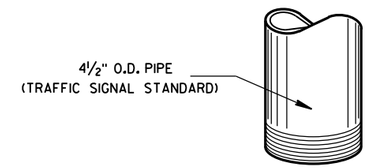


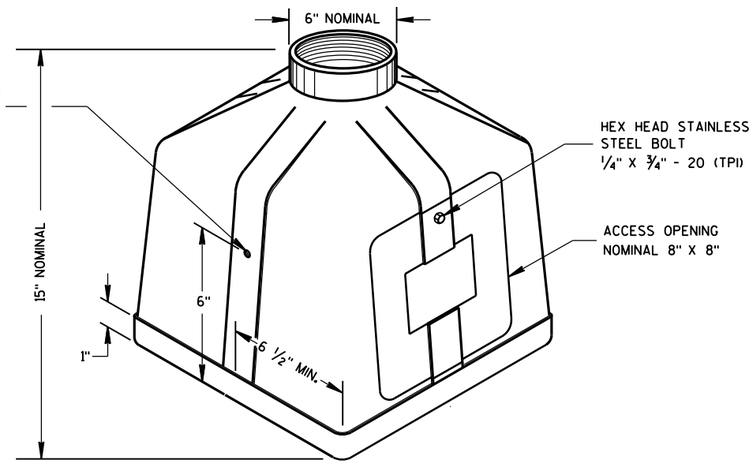
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



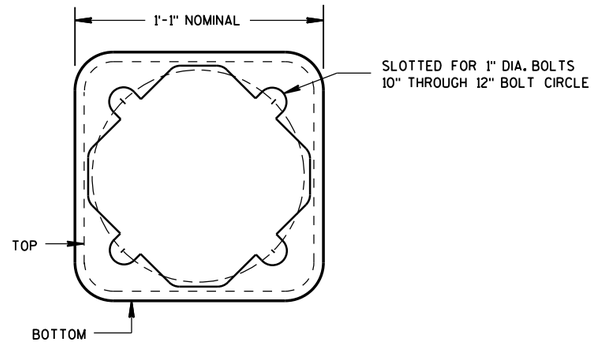
ISOMETRIC VIEW



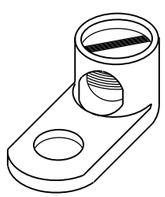


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

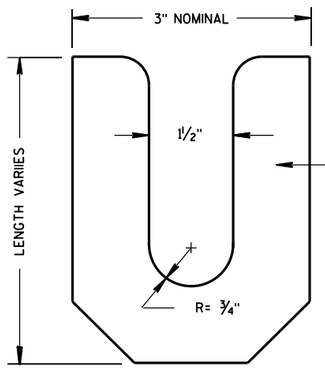


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept. 2014 — DATE
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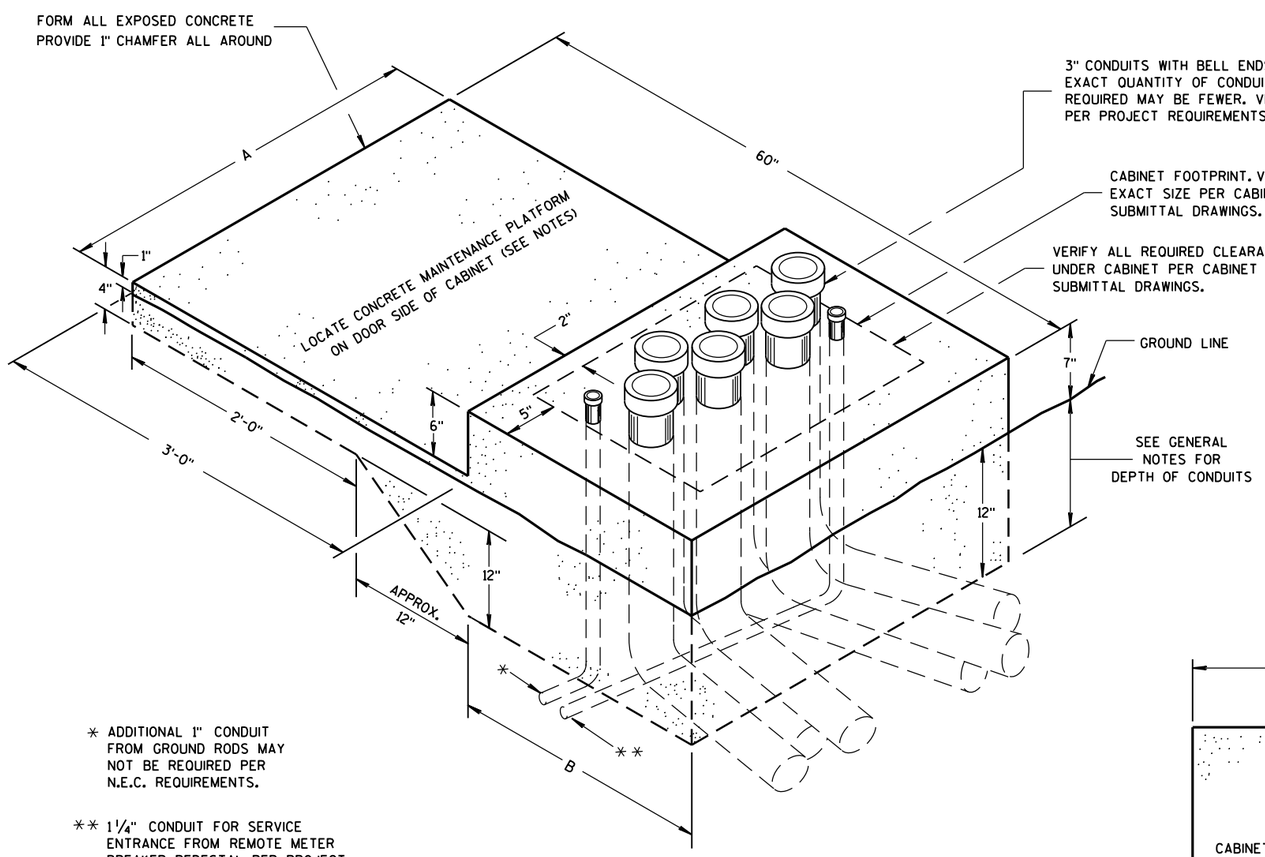


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

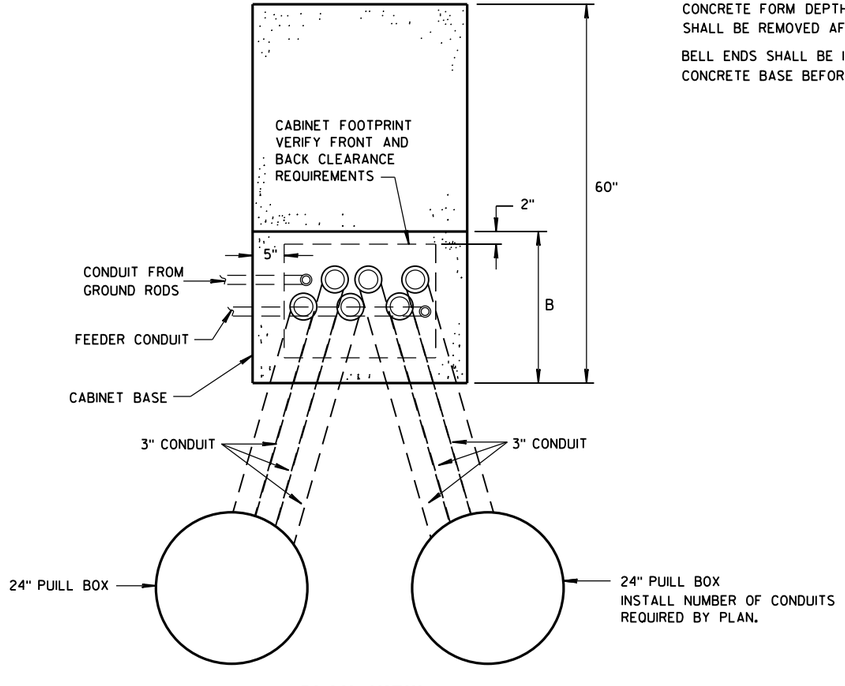
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

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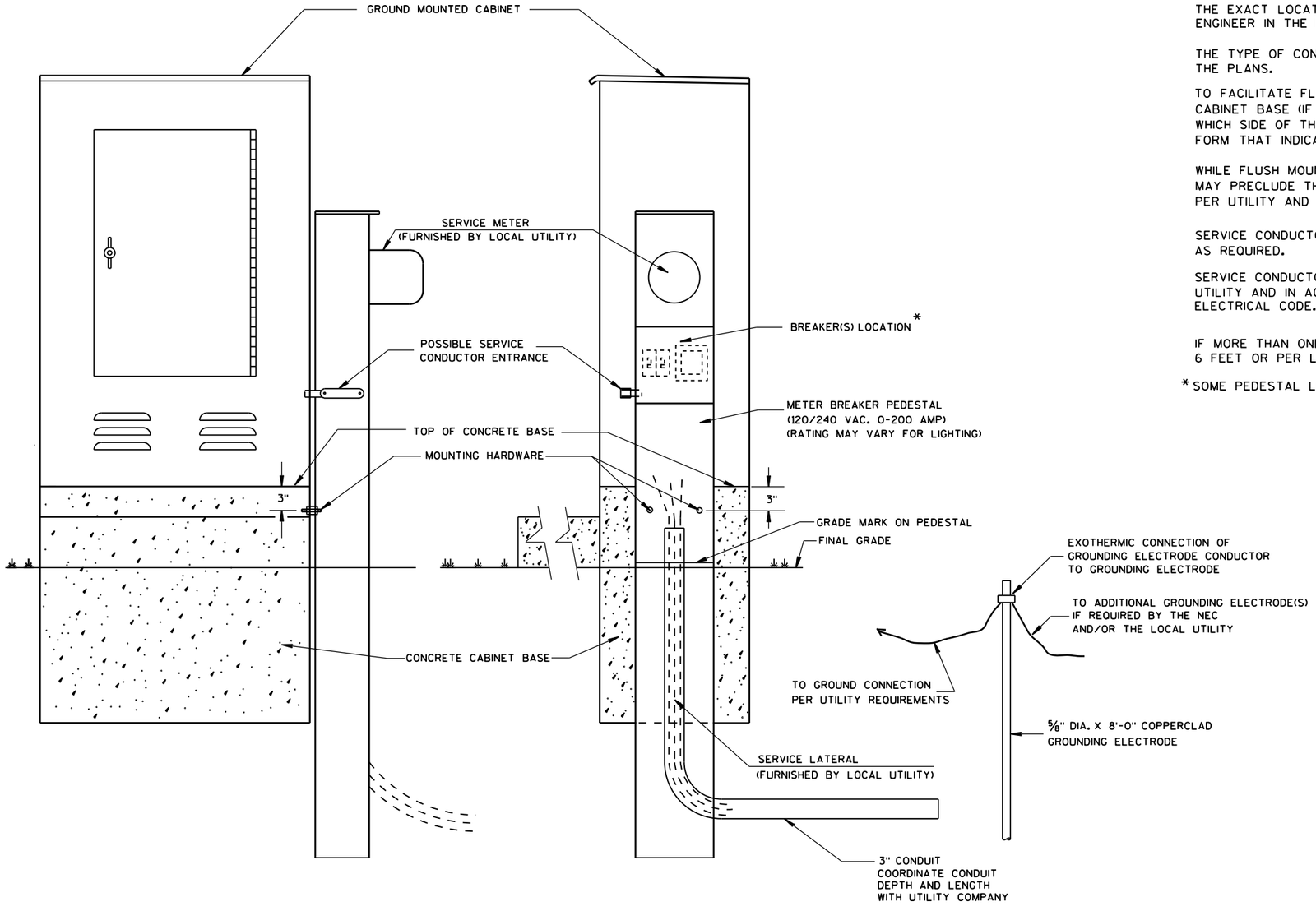

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

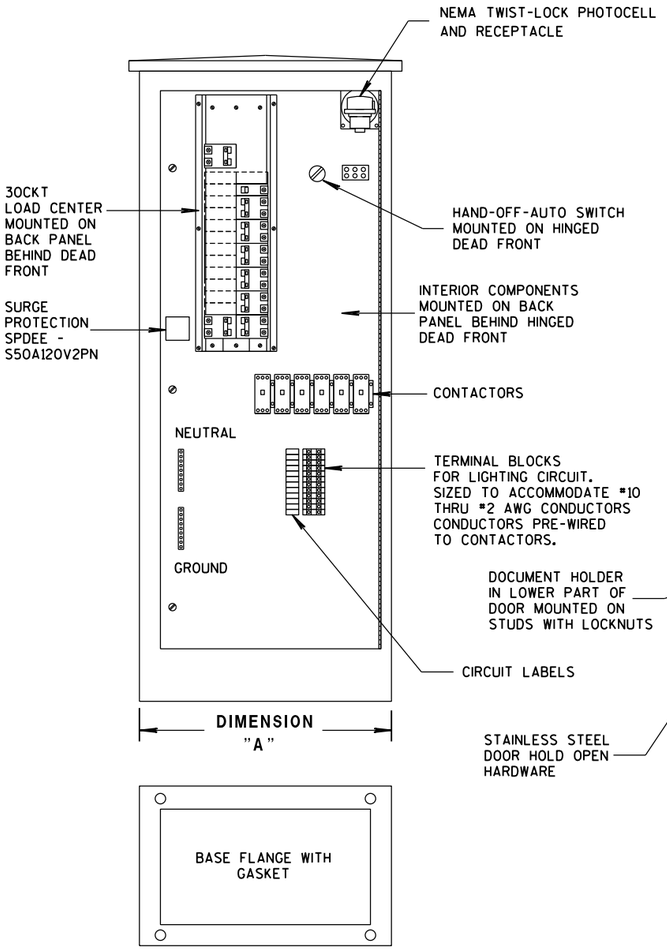
ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

FRONT INTERIOR ELEVATION



SIDE VIEW

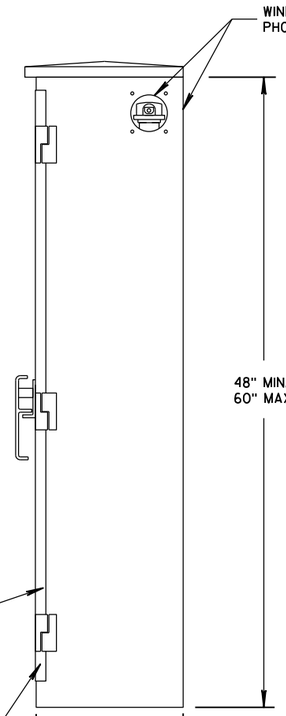
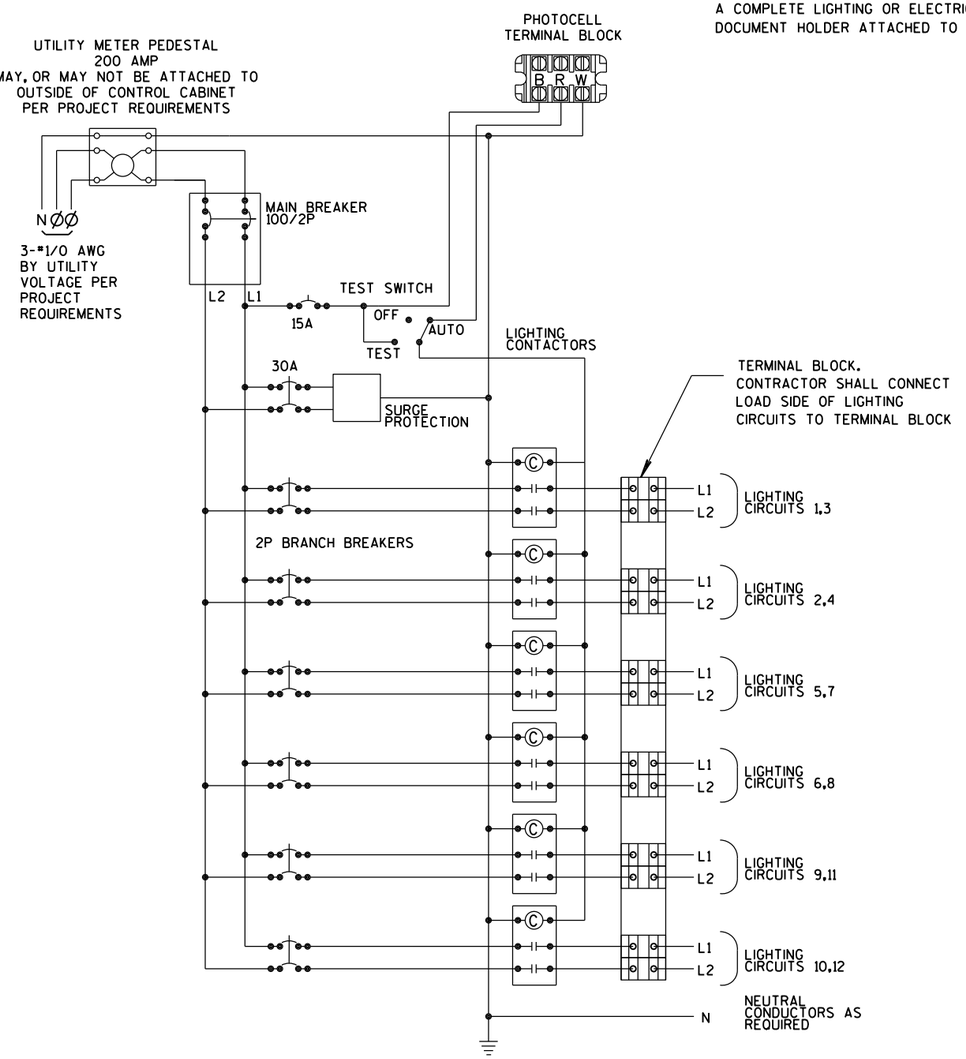


TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"



CONTROL CABINET SCHEMATIC

LIGHTING CONTROL CABINET

LIGHTING CONTROL CABINET

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DEPARTMENT OF TRANSPORTATION

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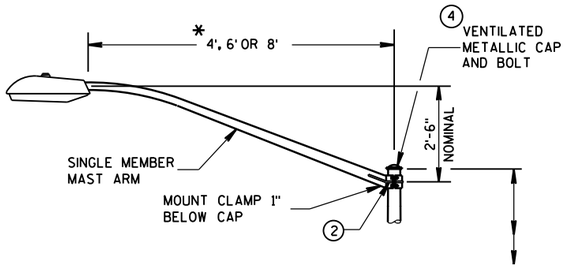
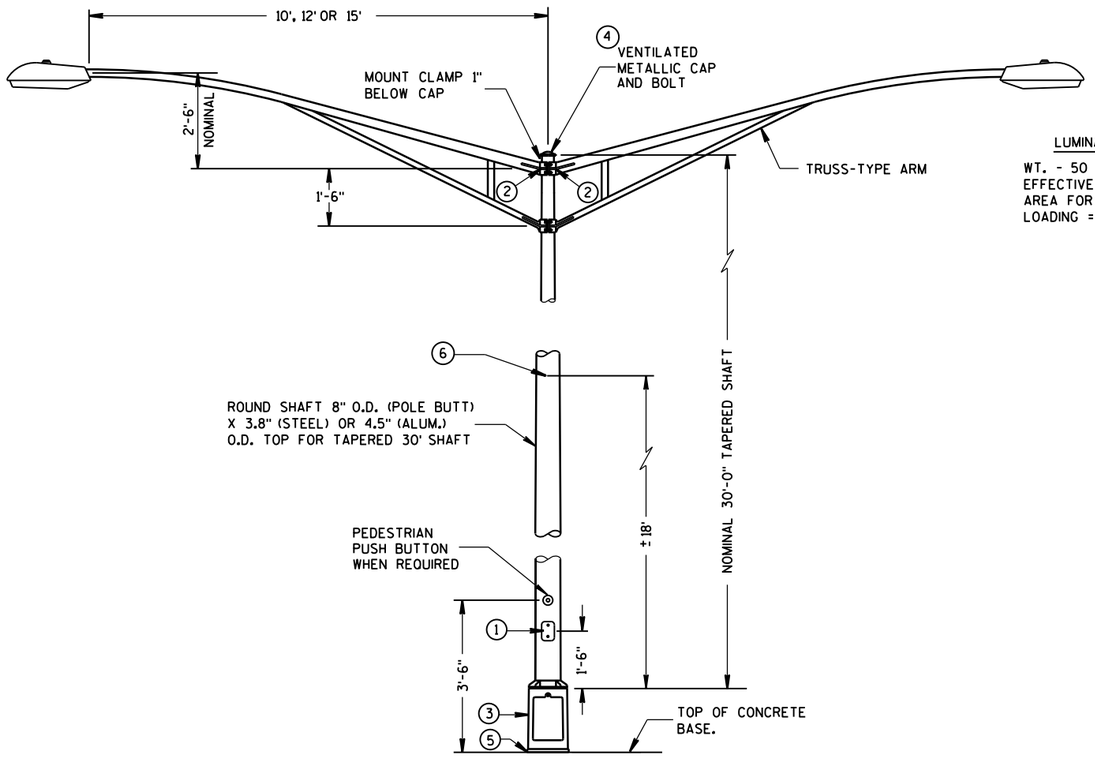
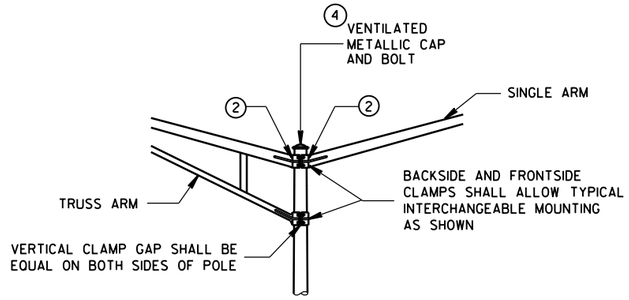
*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

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POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

STATE OF WISCONSIN
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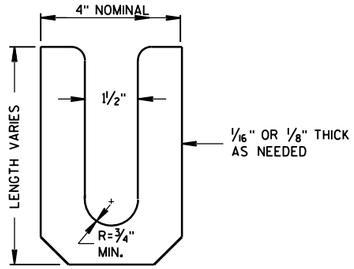
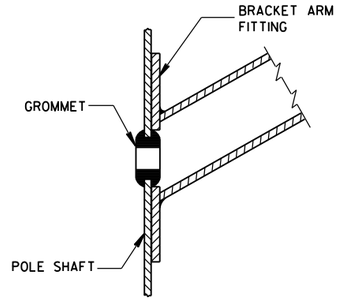
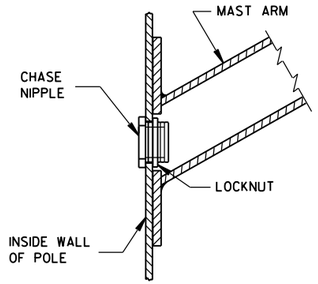


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

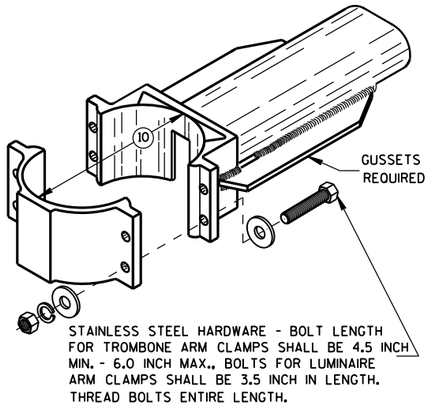
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

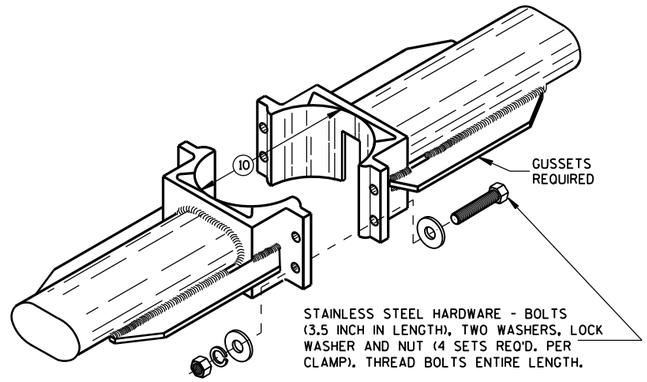
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

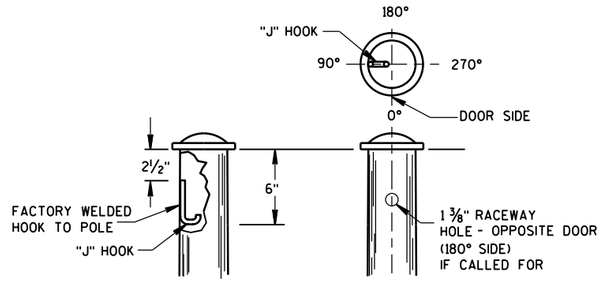
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



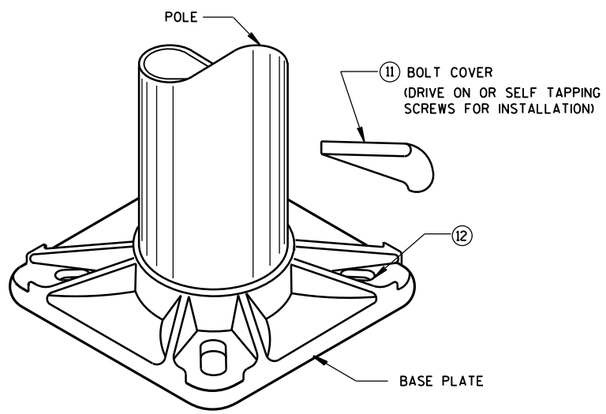
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



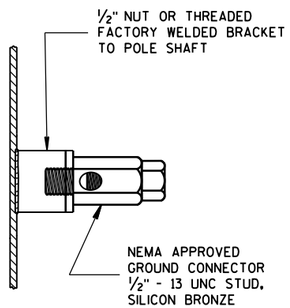
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

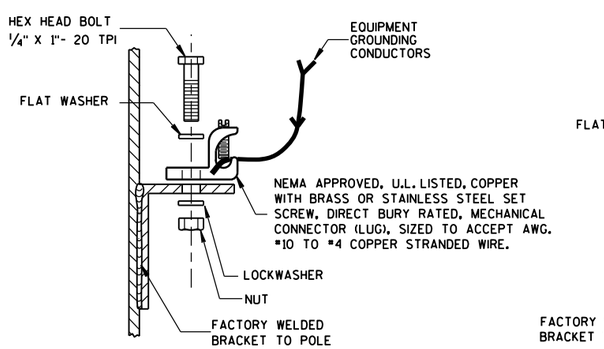


TYPICAL "J" HOOK LOCATION



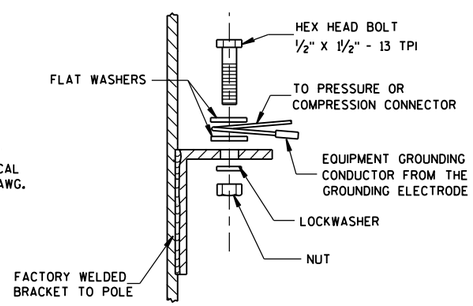
BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

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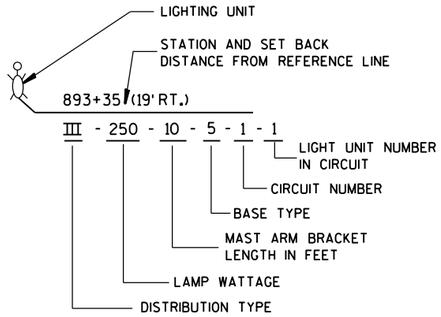
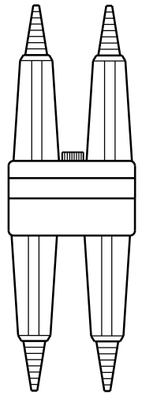
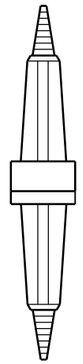


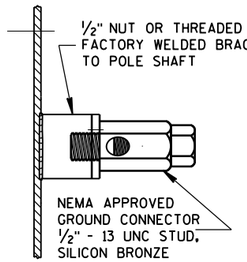
LIGHTING UNIT CODE
(TYPICAL)

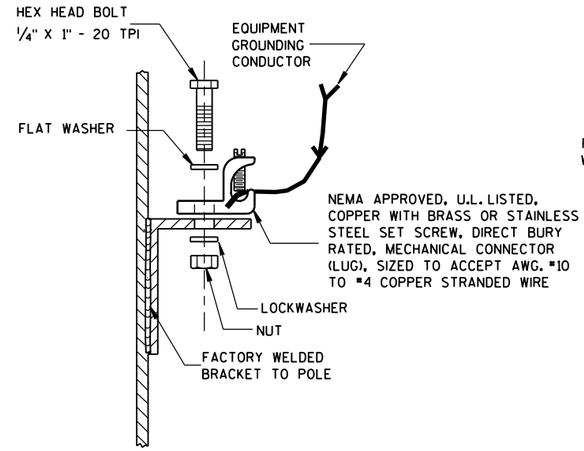


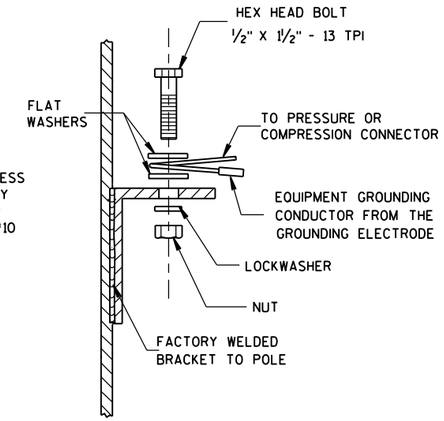
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



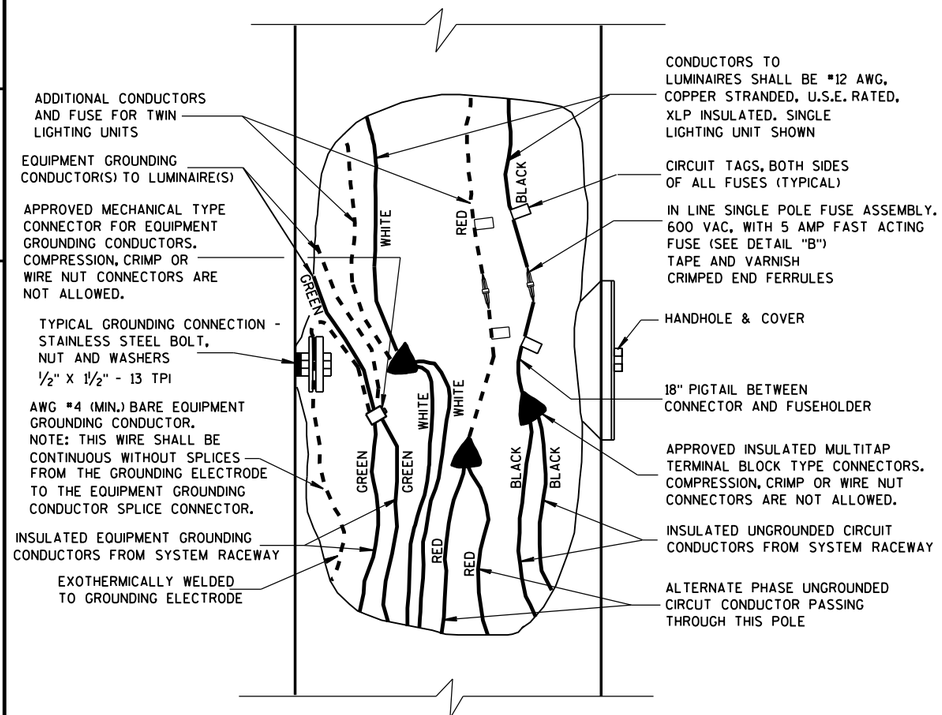
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



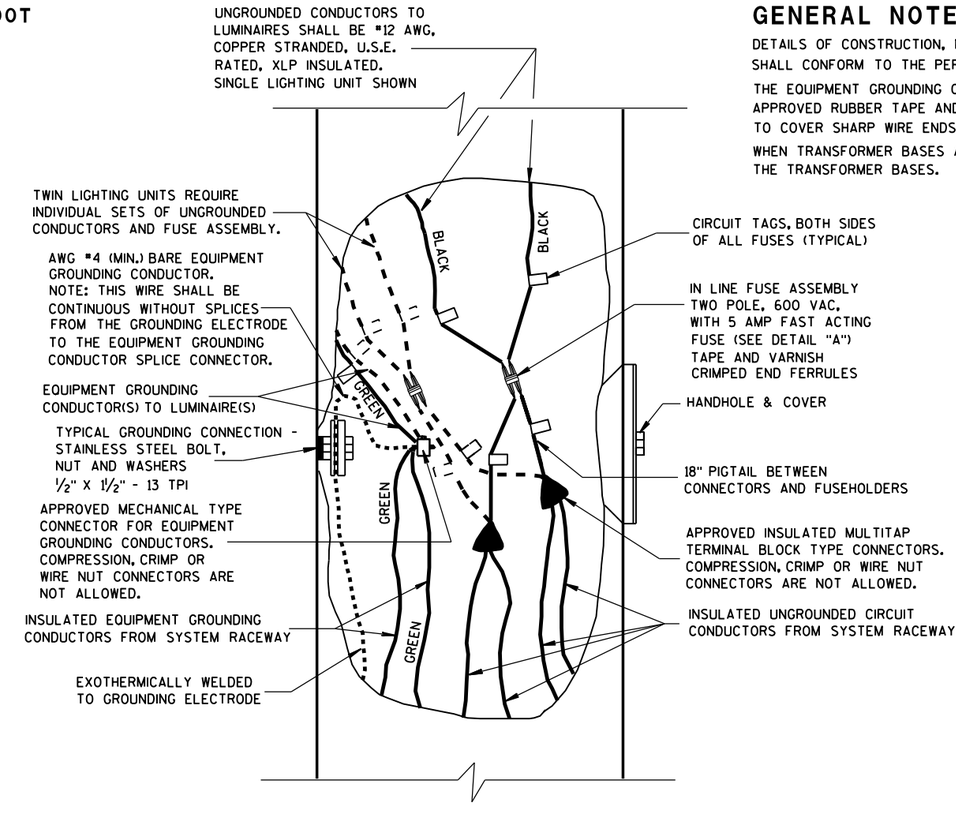




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

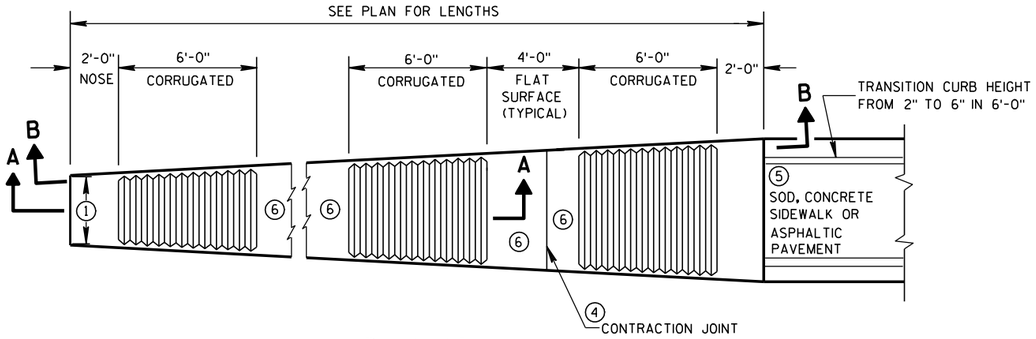
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

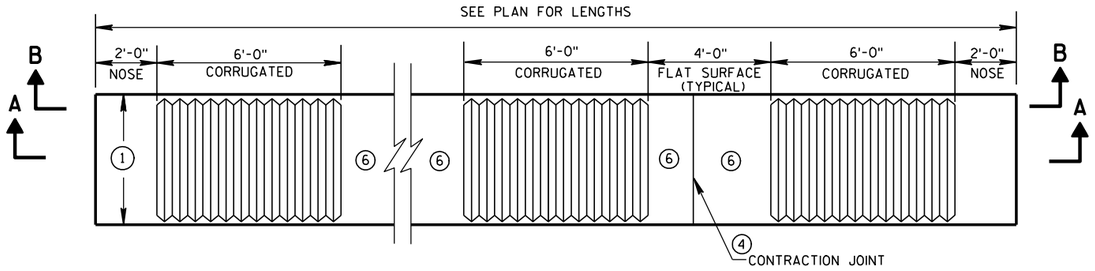
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 9 E 3-5



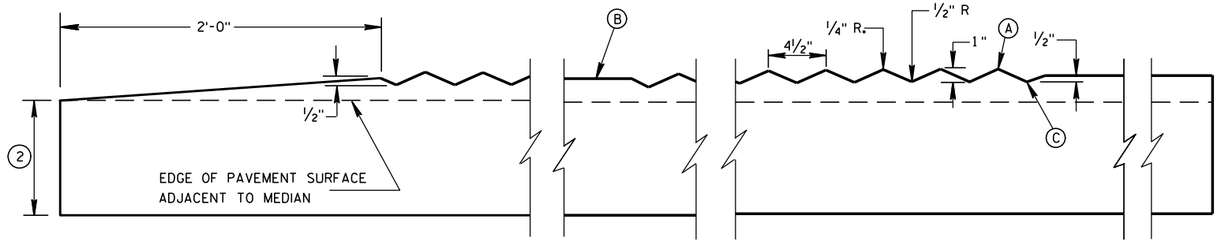
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

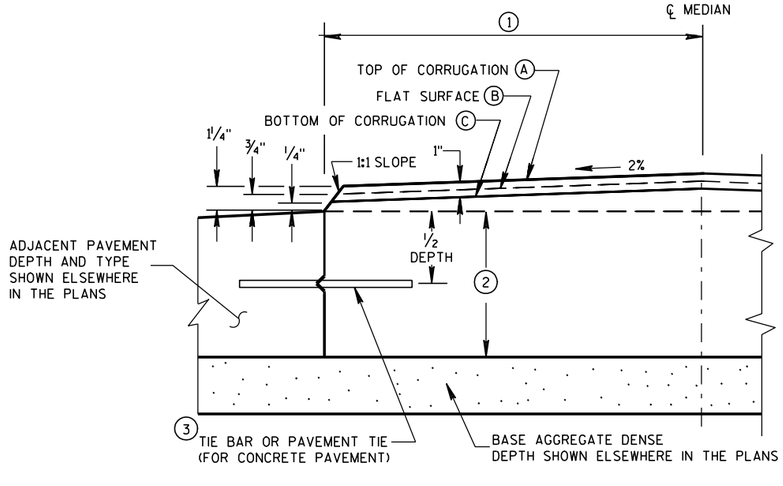
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

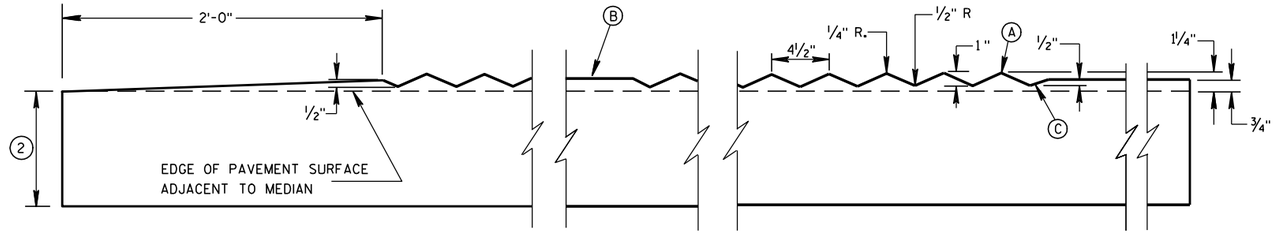
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



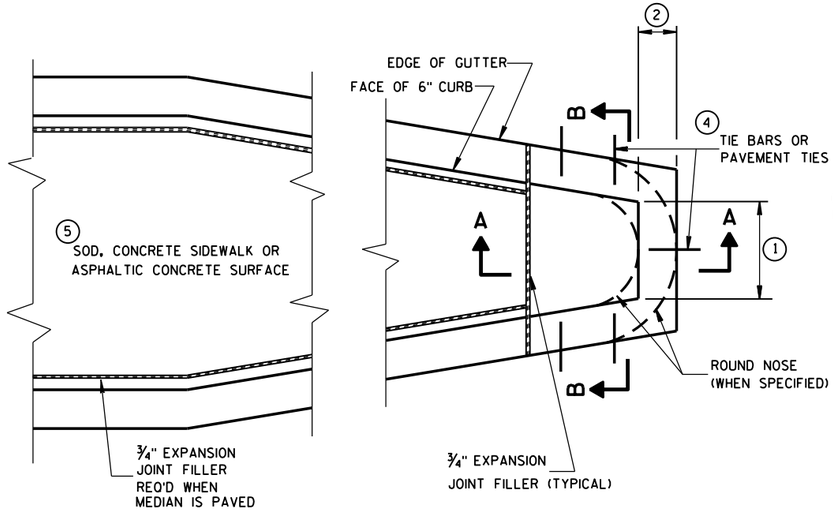
SECTION B-B

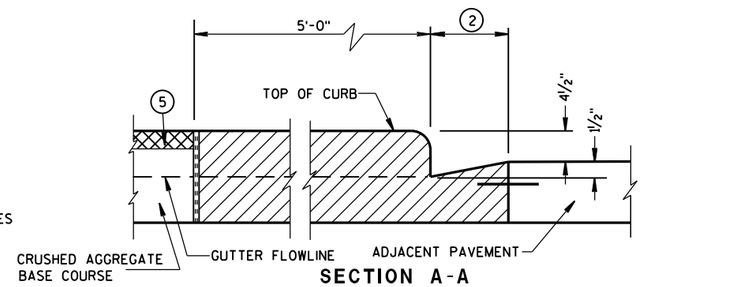
LONGITUDINAL SECTION

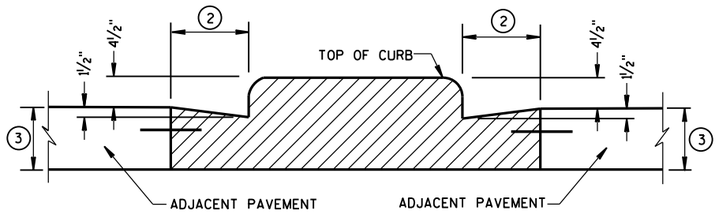
CONCRETE CORRUGATED MEDIAN	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/17/07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	237

6

S.D.D. 11 B 1-5







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

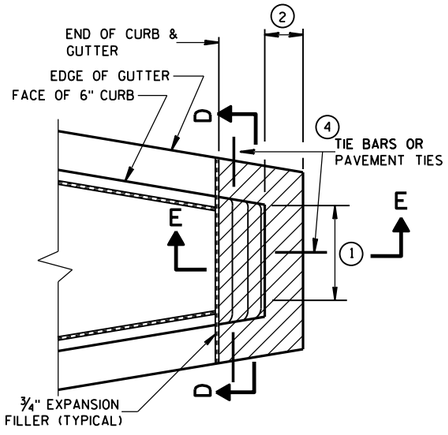
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

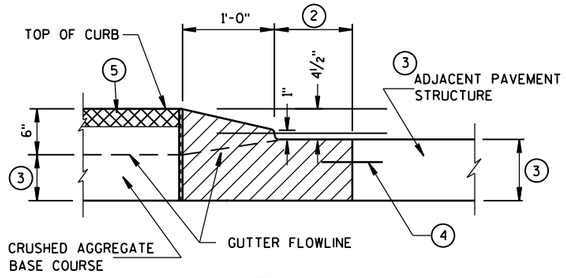
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

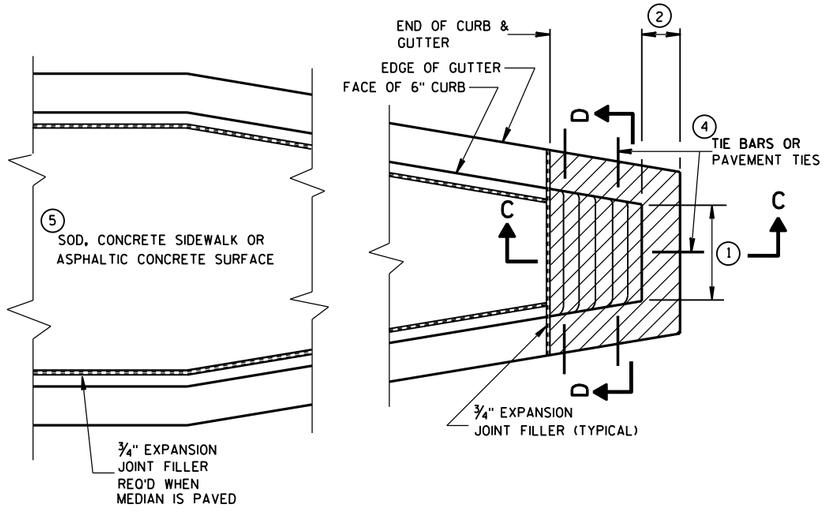
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



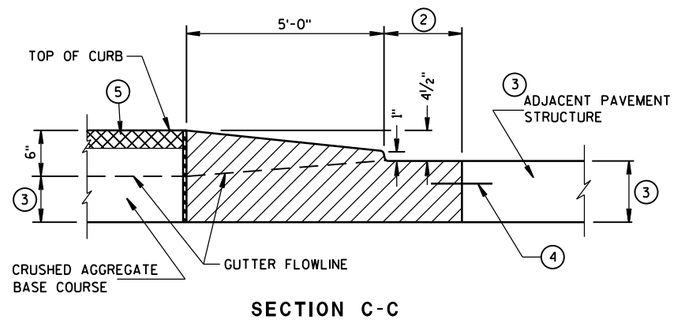


SECTION E-E

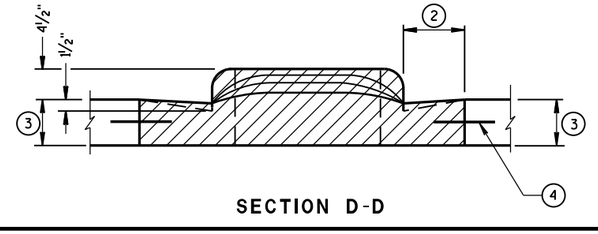
CONCRETE MEDIAN SLOPED NOSE TYPE 2



CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION C-C



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER

FHWA

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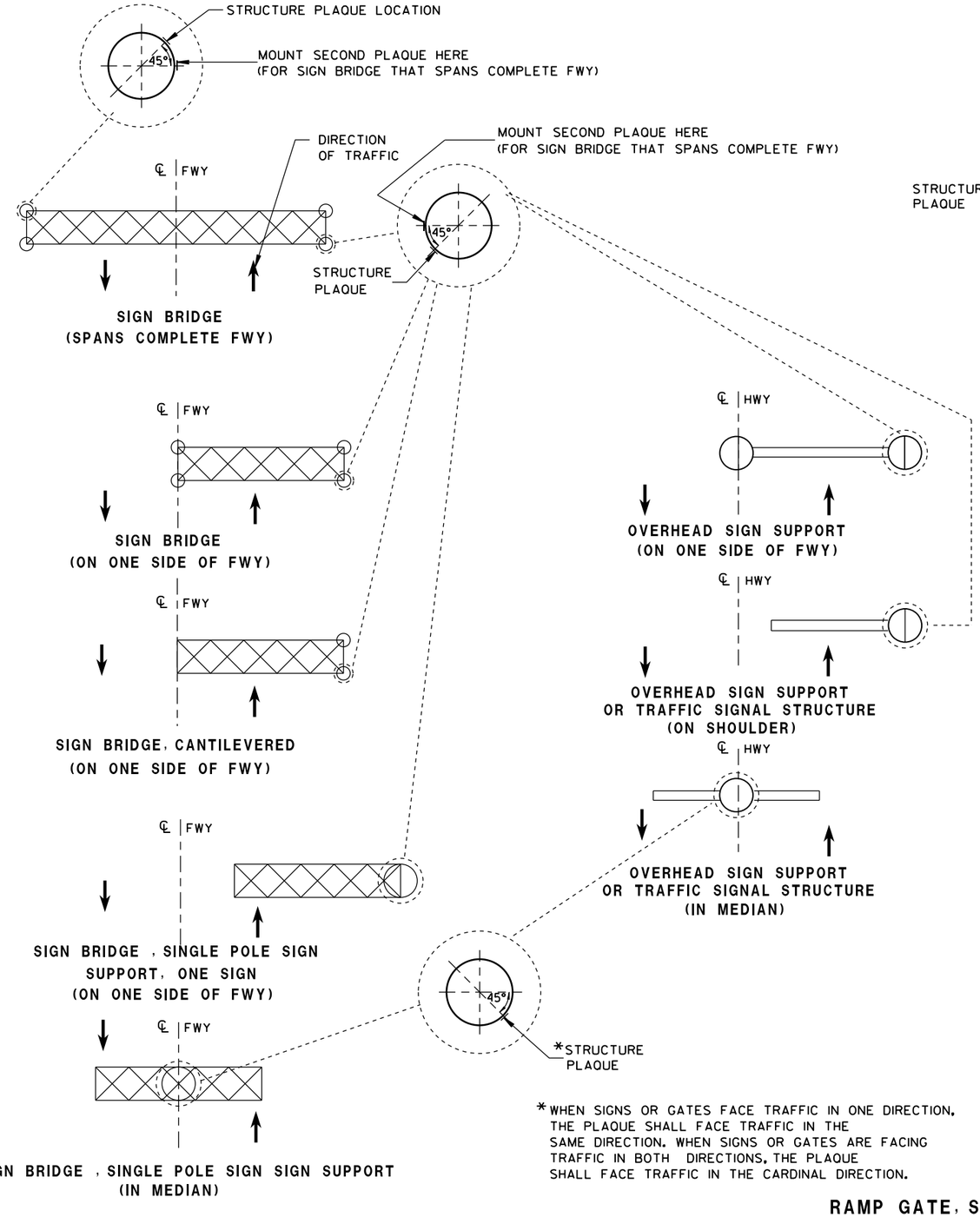
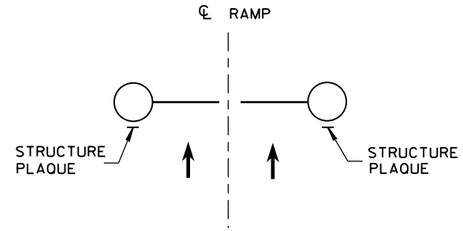
S.D.D. 11 B 2-2

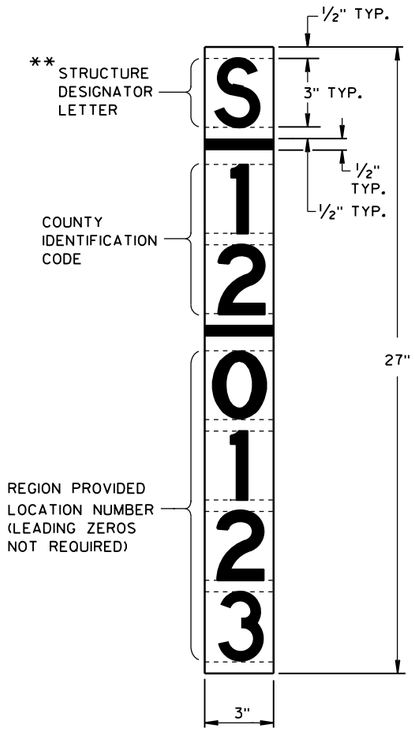


* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

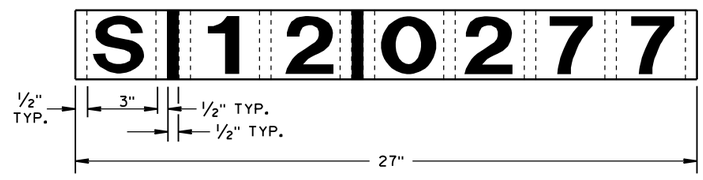
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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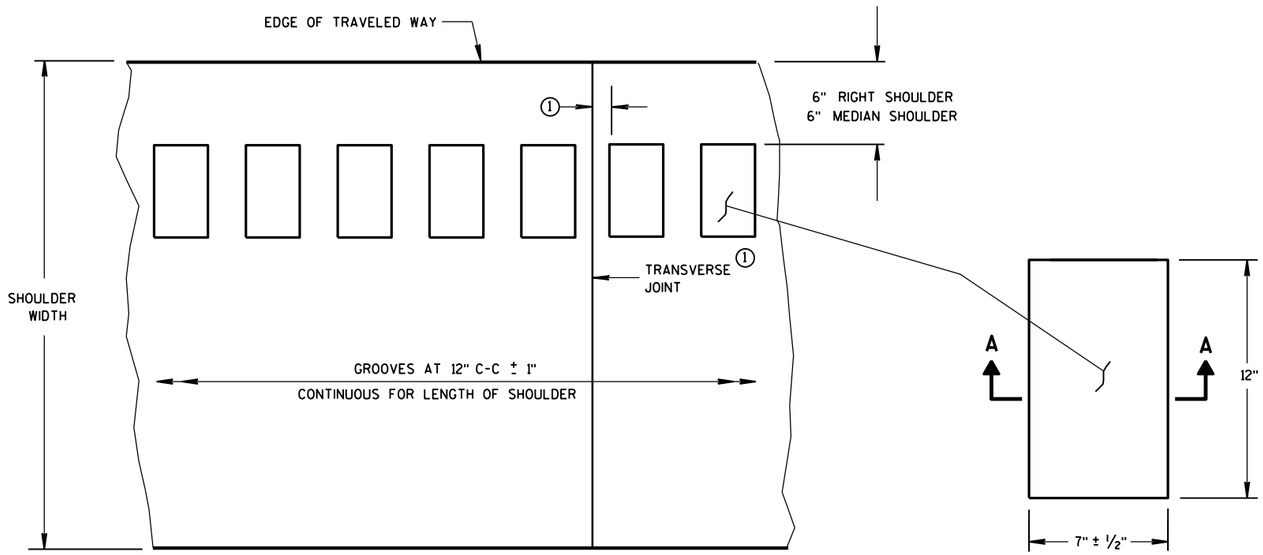
S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

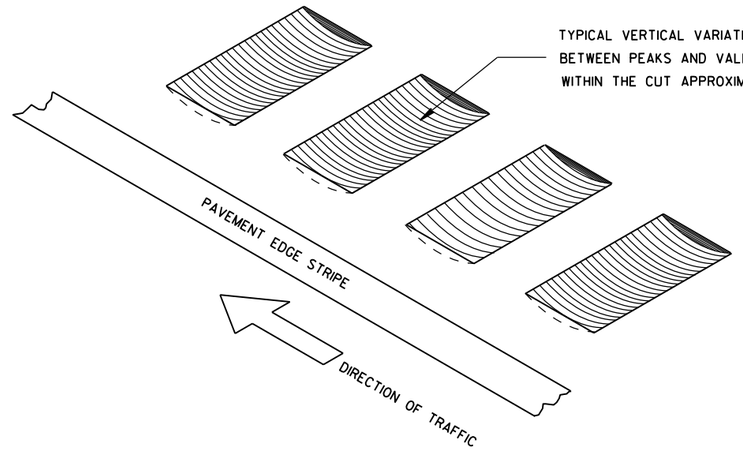
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



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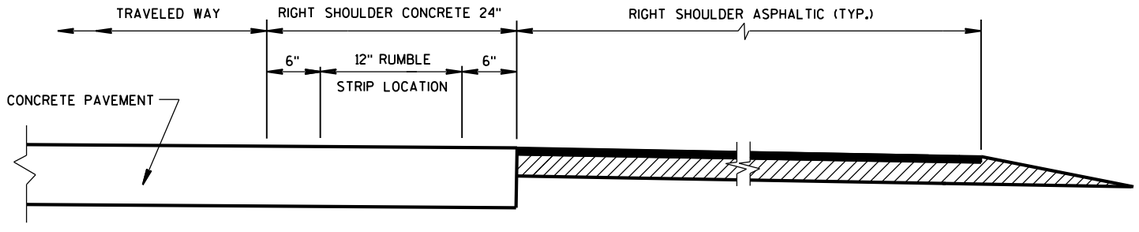
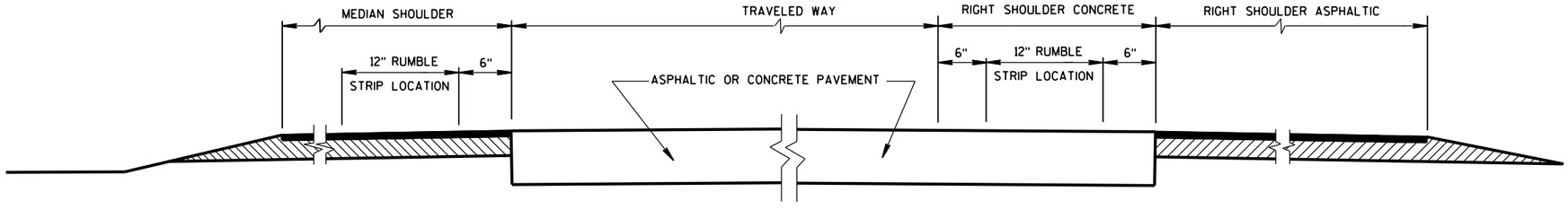


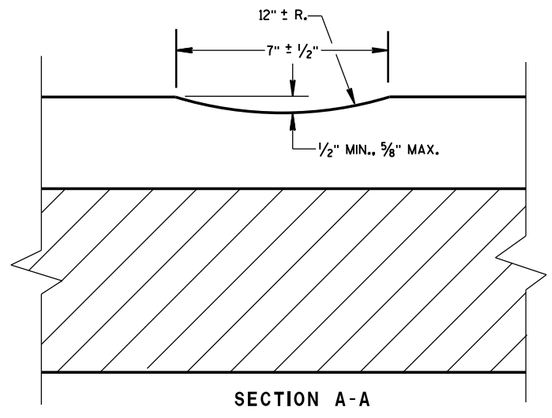
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

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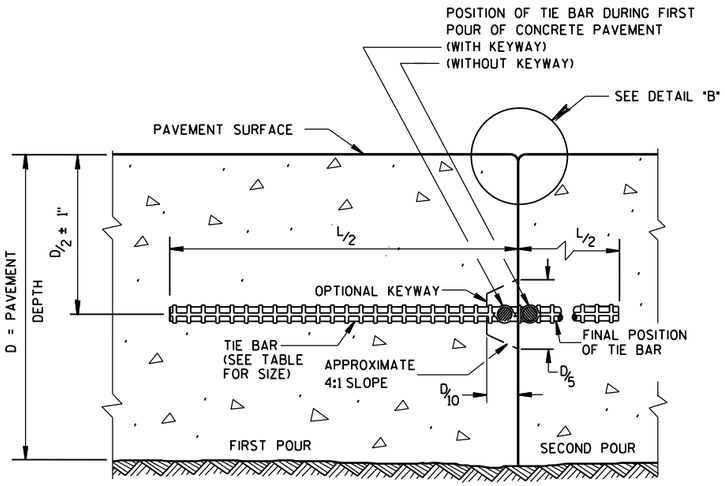
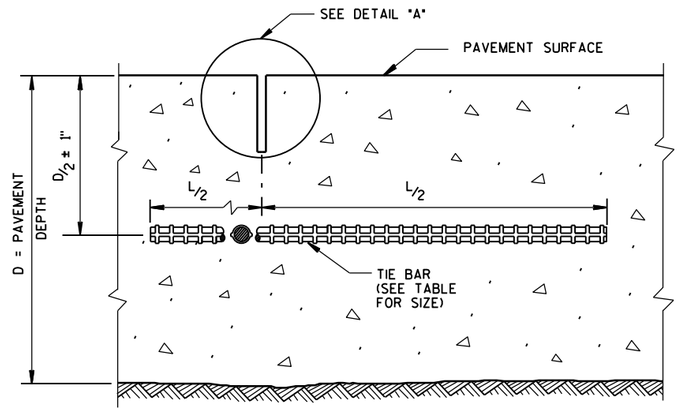
S.D.D. 13 A 5-5a



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

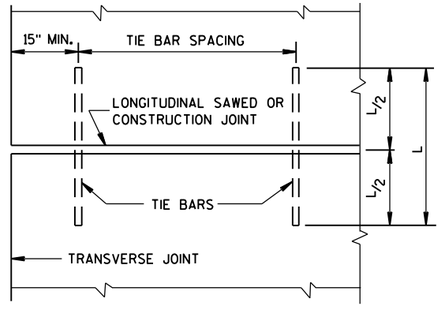
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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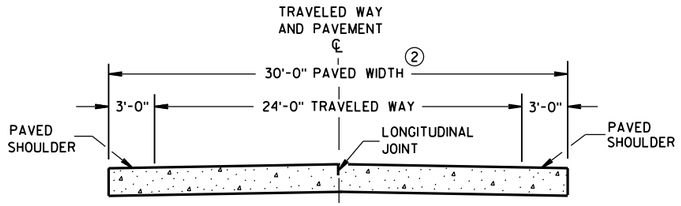
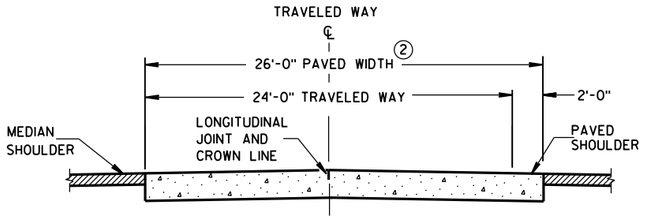
S.D.D. 13 C 1-18

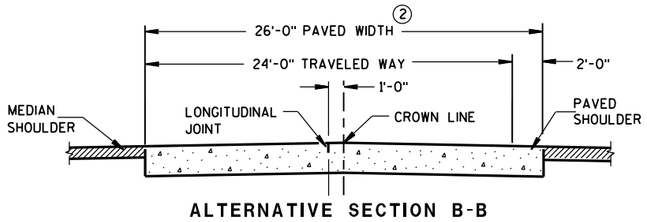


SECTION A-A ①

TWO-LANE TWO-WAY HIGHWAY



SECTION B-B



ALTERNATIVE SECTION B-B ①

DIVIDED HIGHWAY

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

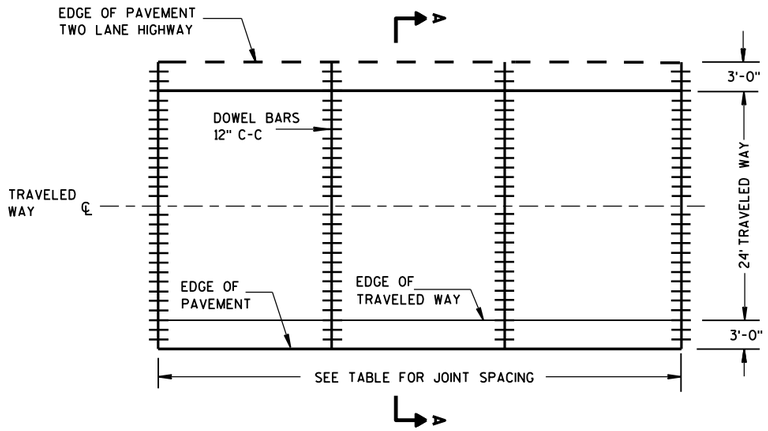
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

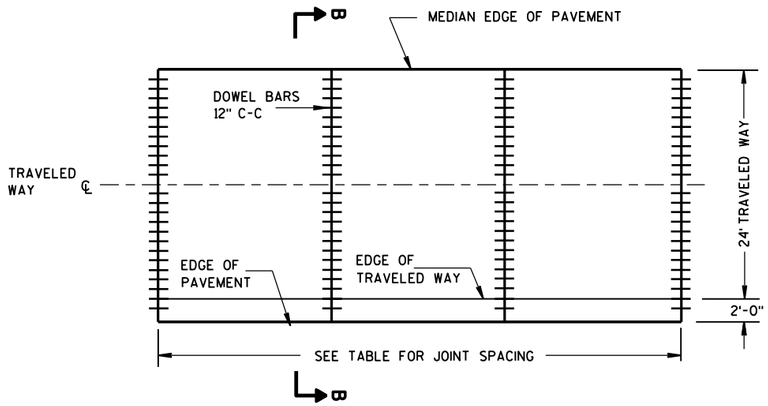
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



CONTRACTION JOINT LAYOUT
FOR TWO-LANE TWO-WAY HIGHWAY



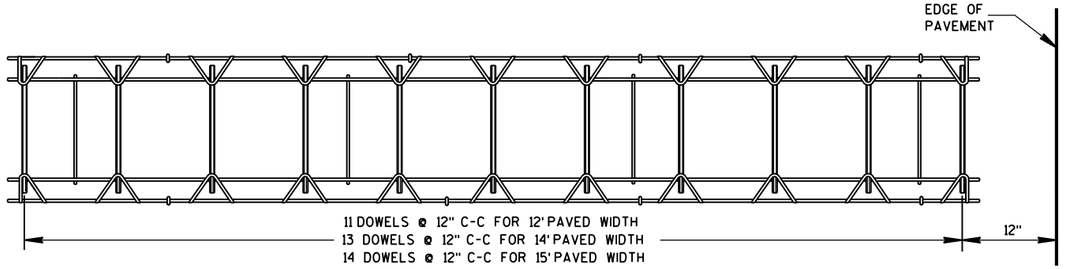
CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED
CONCRETE PAVEMENT

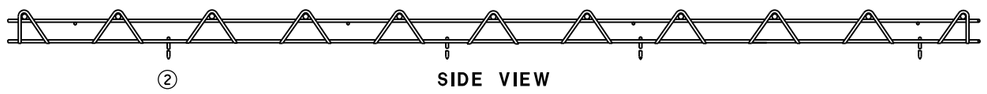
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 11-11a



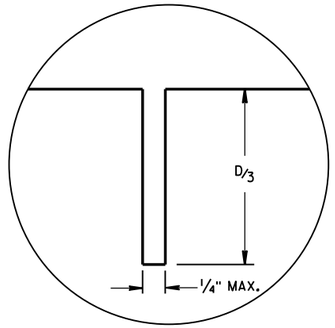
PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

GENERAL NOTES

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

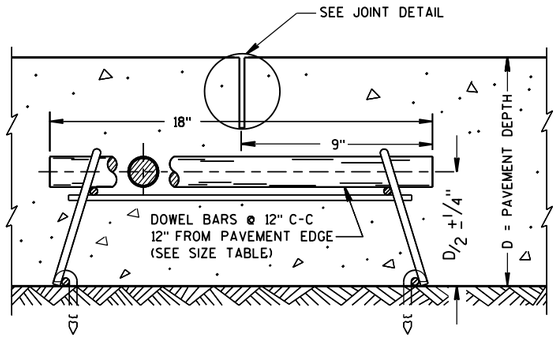
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

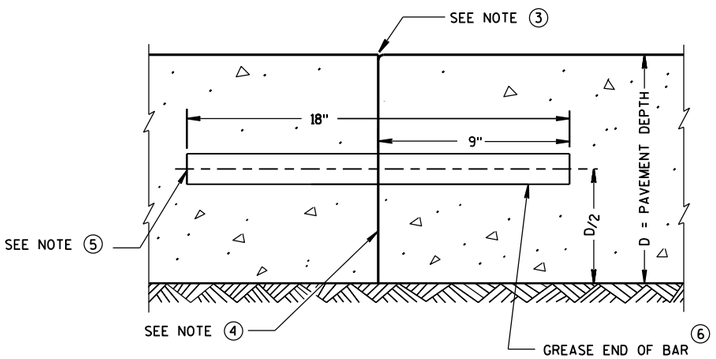
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

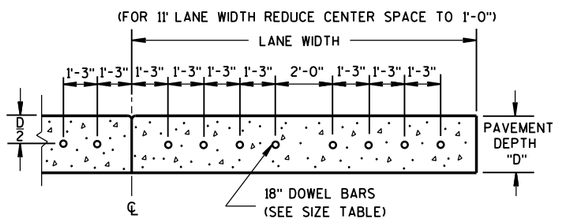
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

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S.D.D. 13 C 11-11b

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE[ENGINEER]

FHWA

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S.D.D. 13 C 11-11b

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

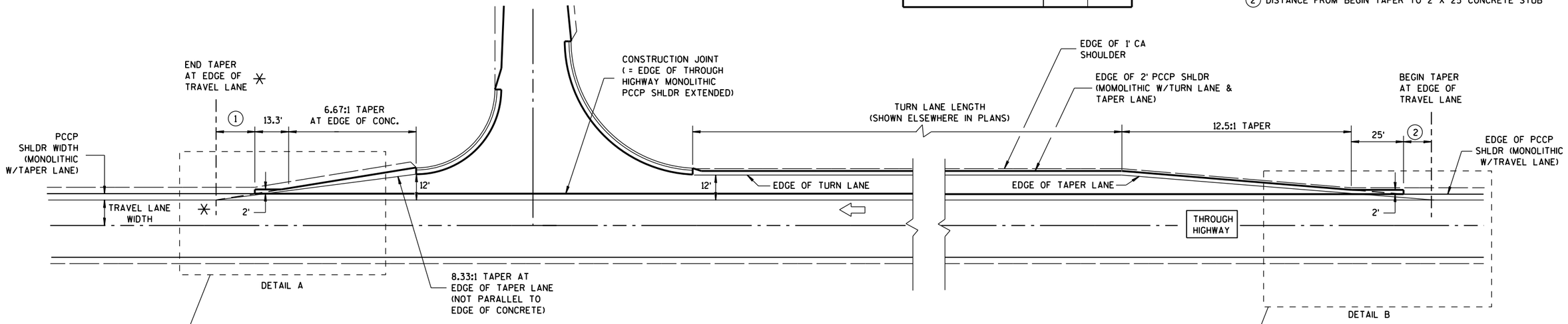
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

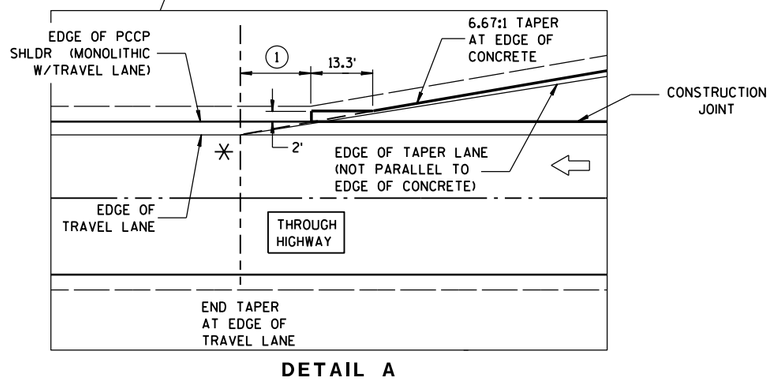
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

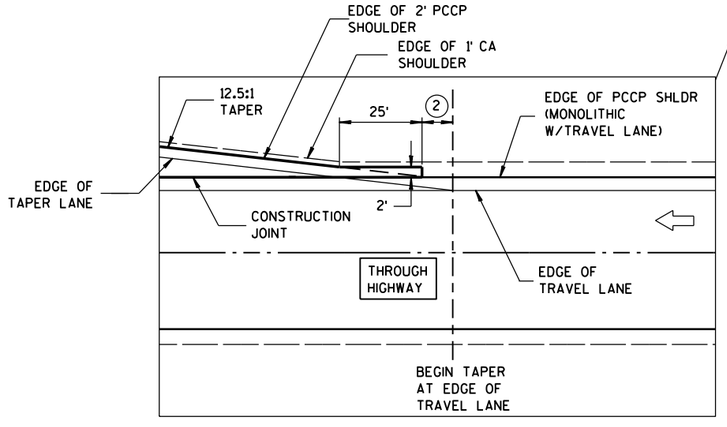
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET) (1)	DISTANCE (FEET) (2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



✳ NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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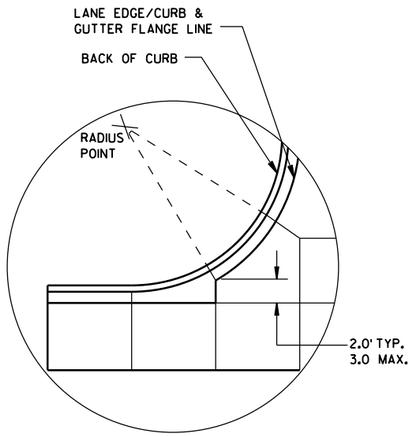
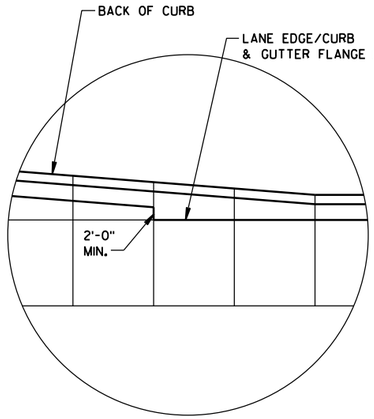
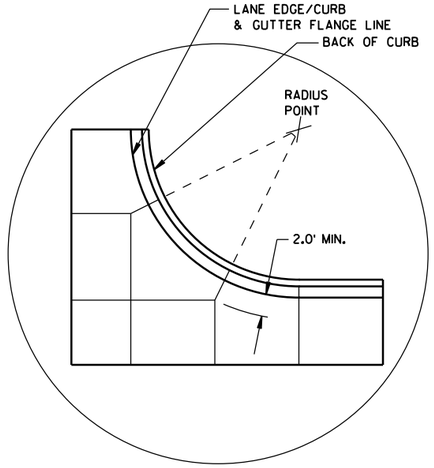
S.D.D. 13 C 16-2a



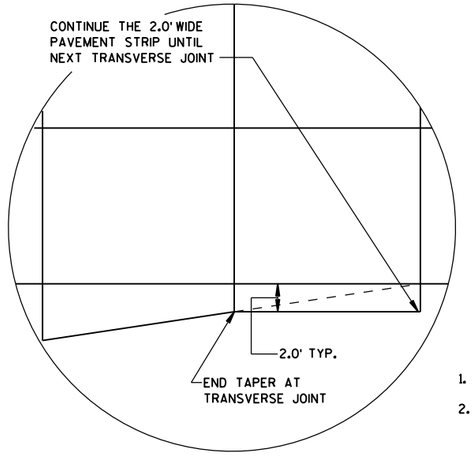
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

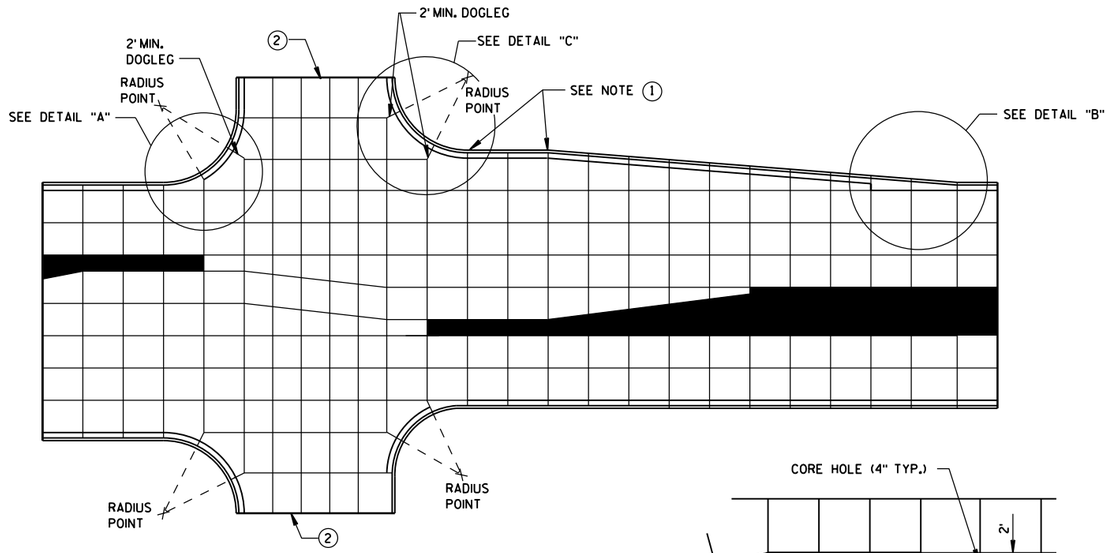
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

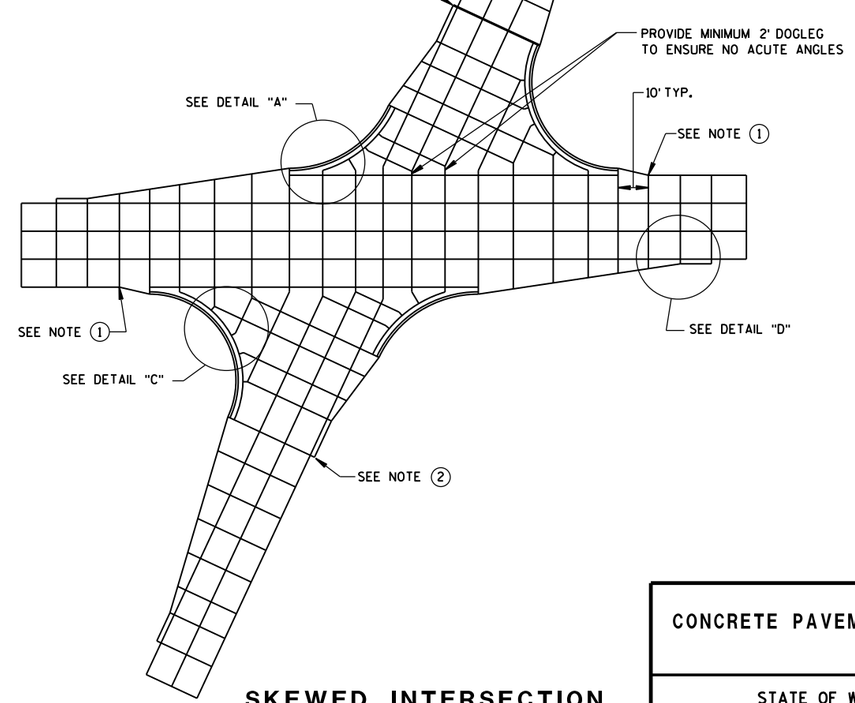
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



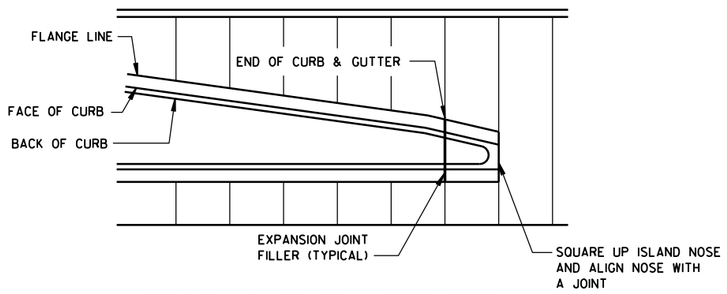
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

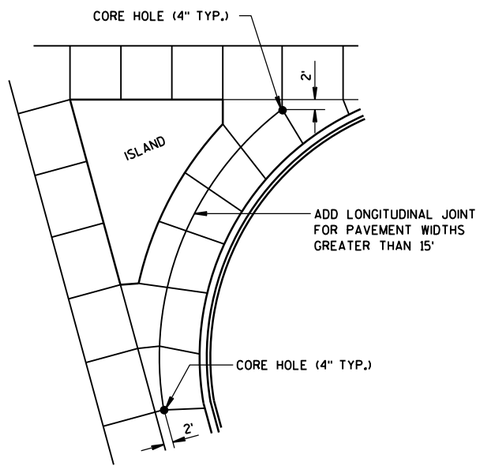
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

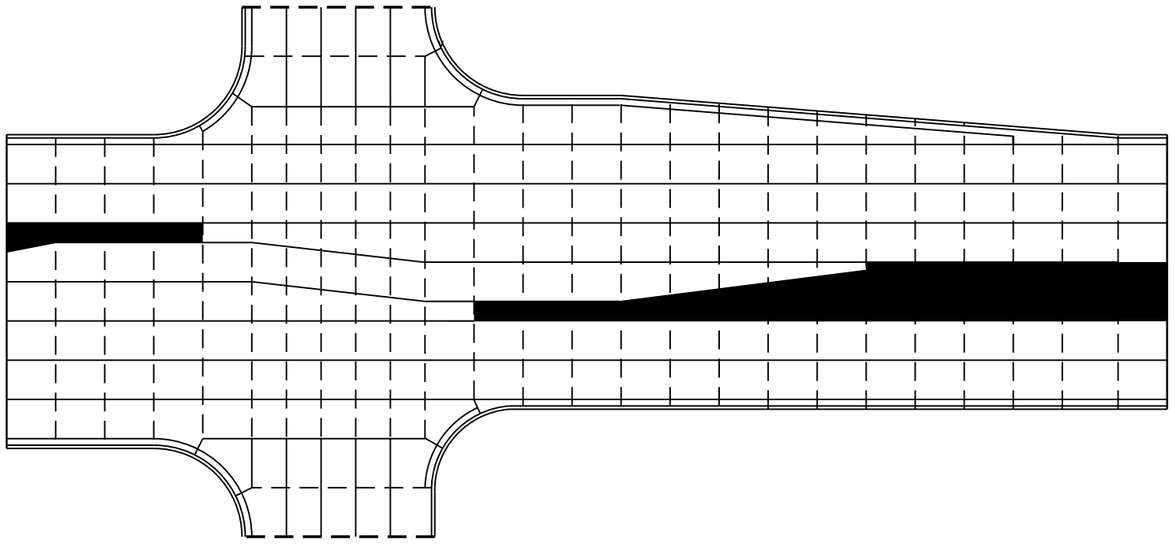
6
S.D.D. 13 C 18-3a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

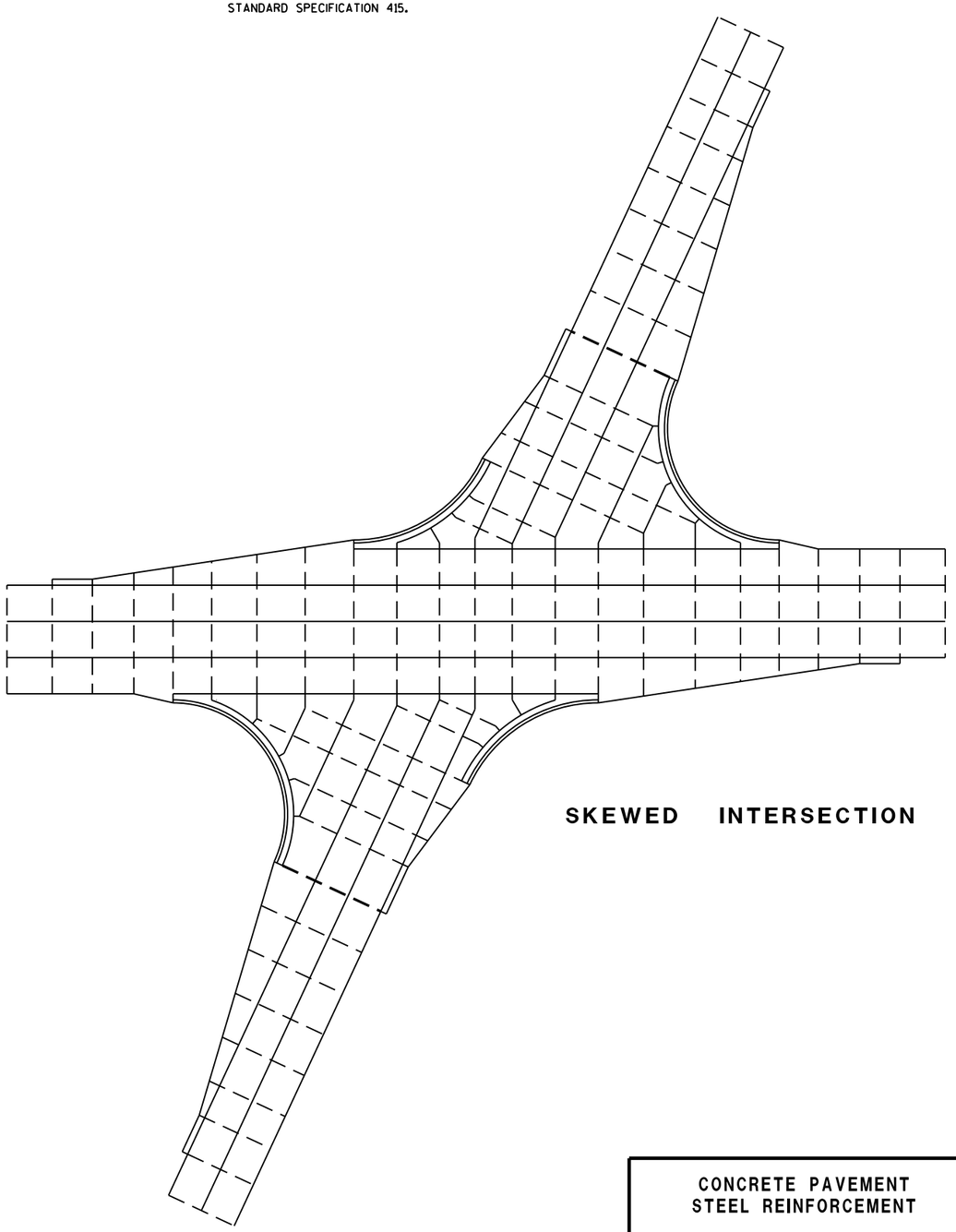
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 13 C 18-3b

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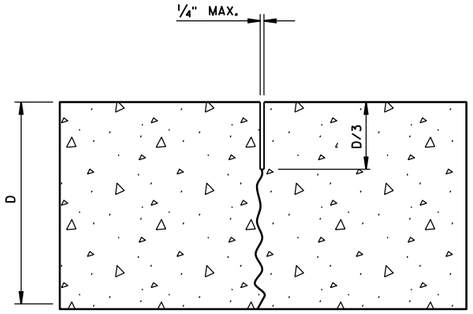
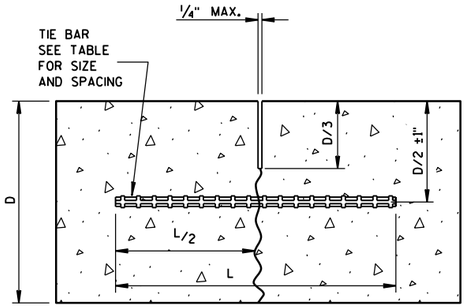
S.D.D. 13 C 18-3b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

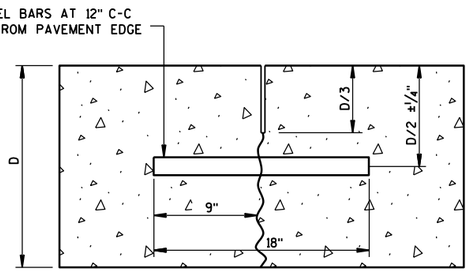
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

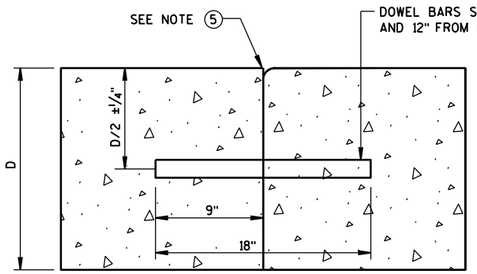
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



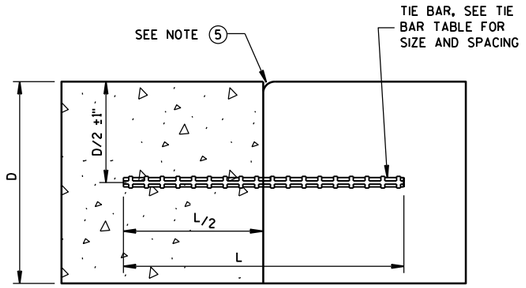
DOWELED-TRANSVERSE

CONTRACTION JOINTS

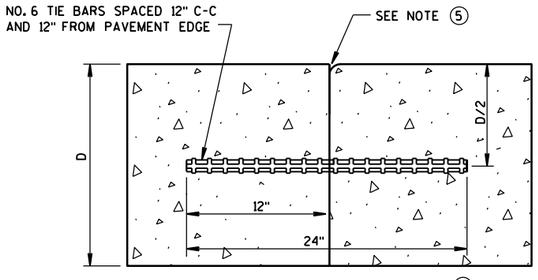
SEE NOTE (2)



DOWELED TRANSVERSE (3)

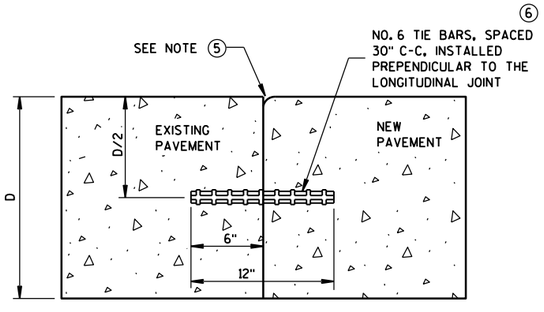


TIED LONGITUDINAL



TIED TRANSVERSE (3)

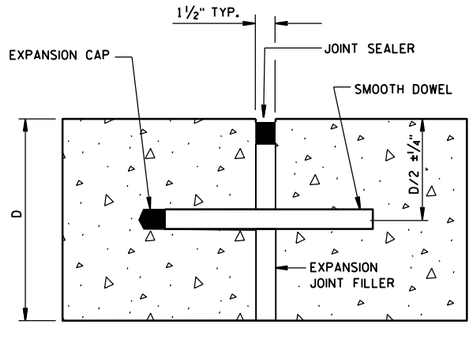
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

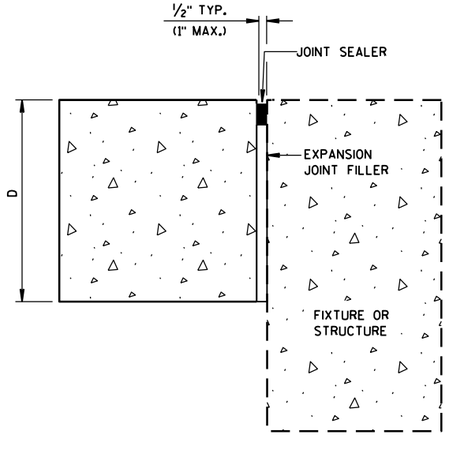
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

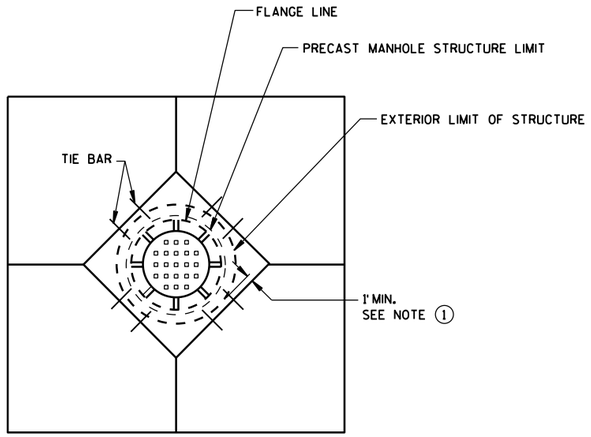
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

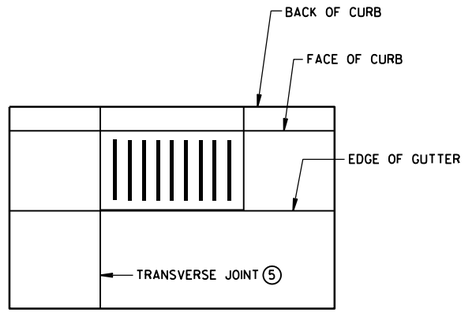
S.D.D. 13 C 18-3c

6

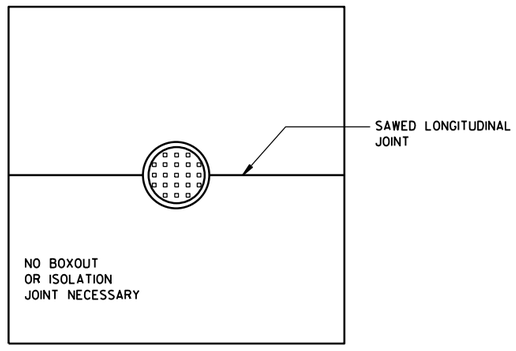
S.D.D. 13 C 18-3c



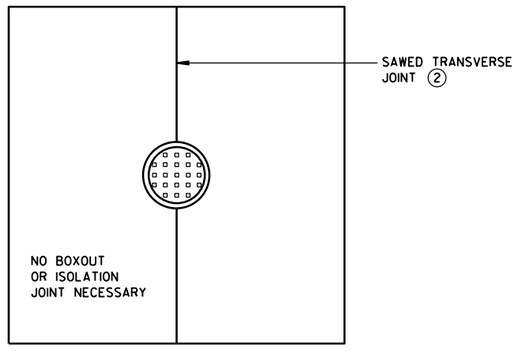
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



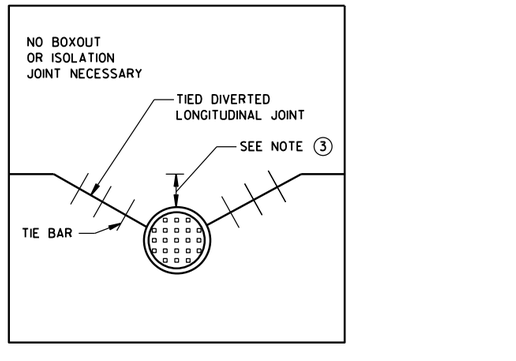
INLET WITH TRANSVERSE JOINT



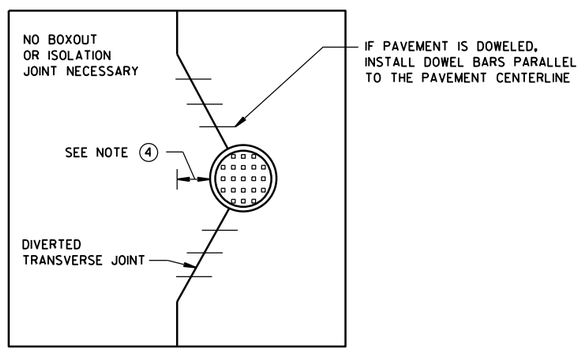
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

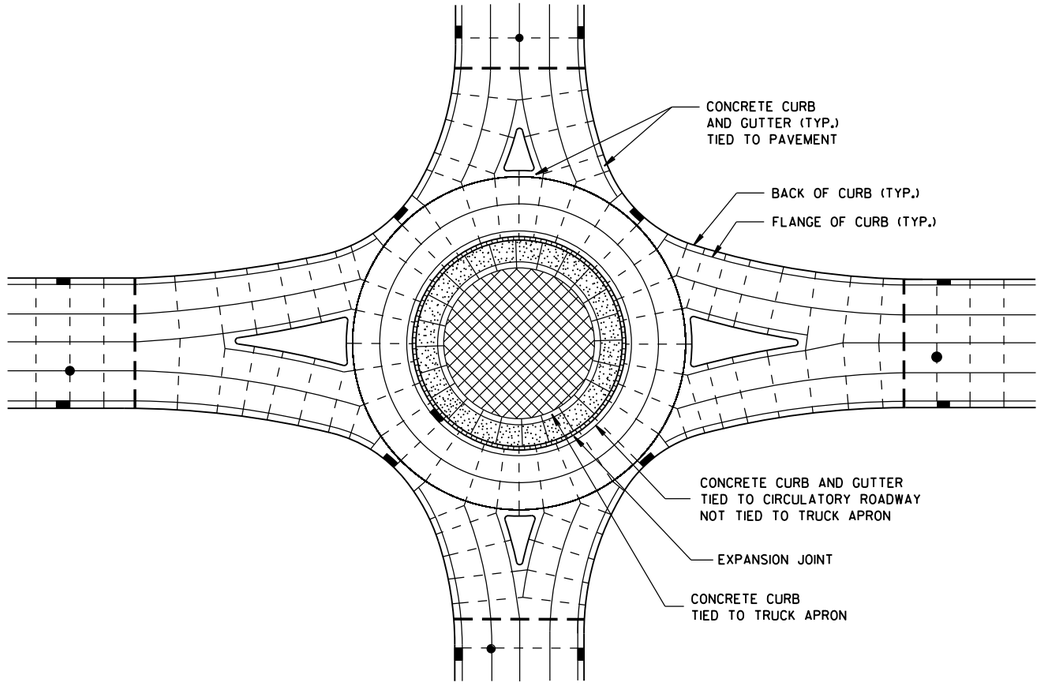
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

S.D.D. 13 C 18-3d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES



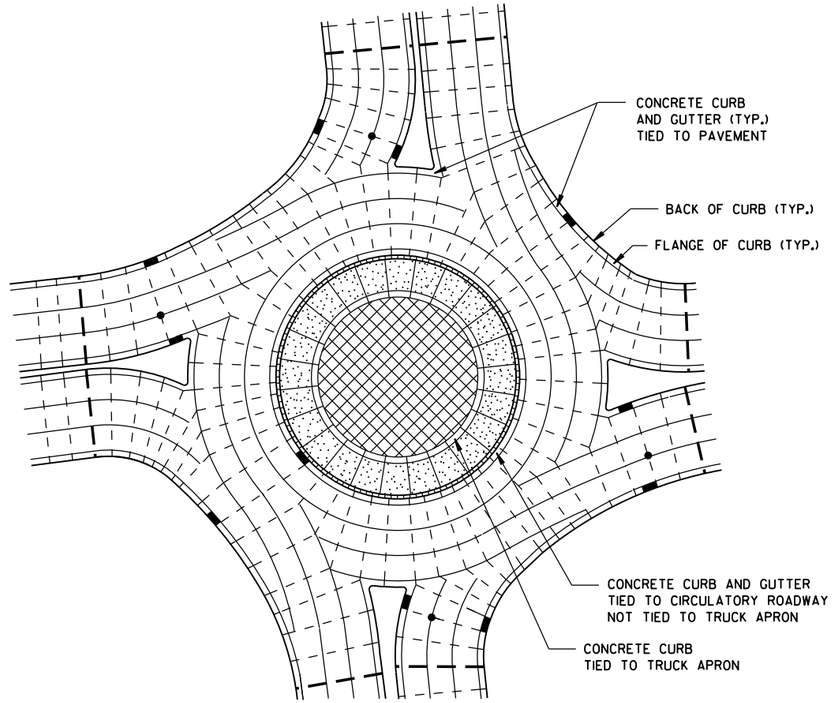
ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 SHEET "a".

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

6

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S.D.D. 13 C 18-3e

S.D.D. 13 C 18-3e

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

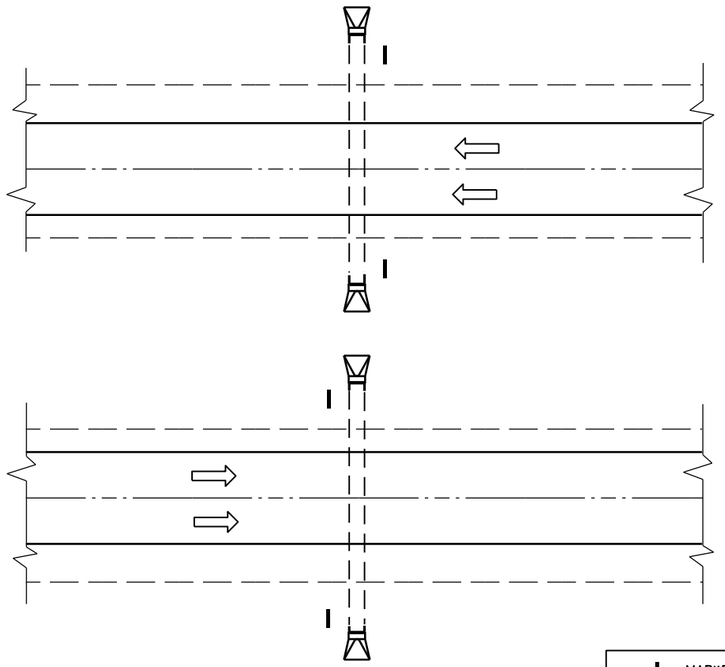
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June, 2015
DATE

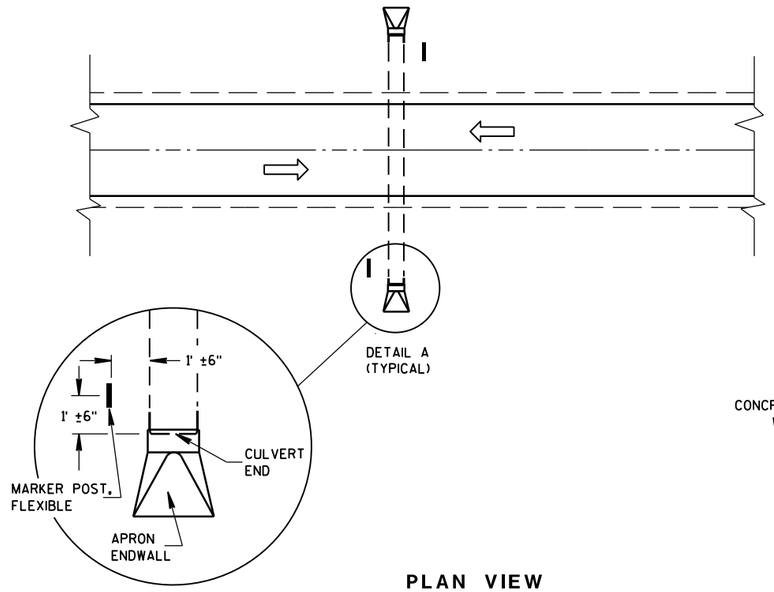
/S/ Peter Kemp, P.E.
PAVEMENT SUPE

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

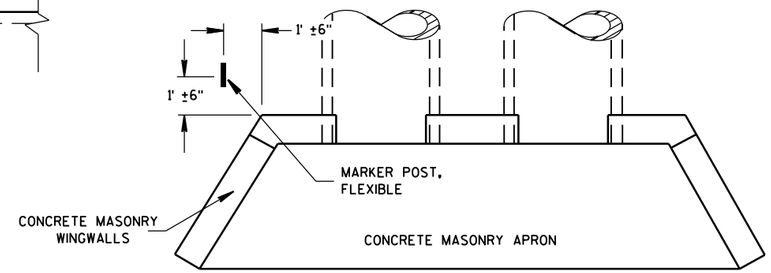
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

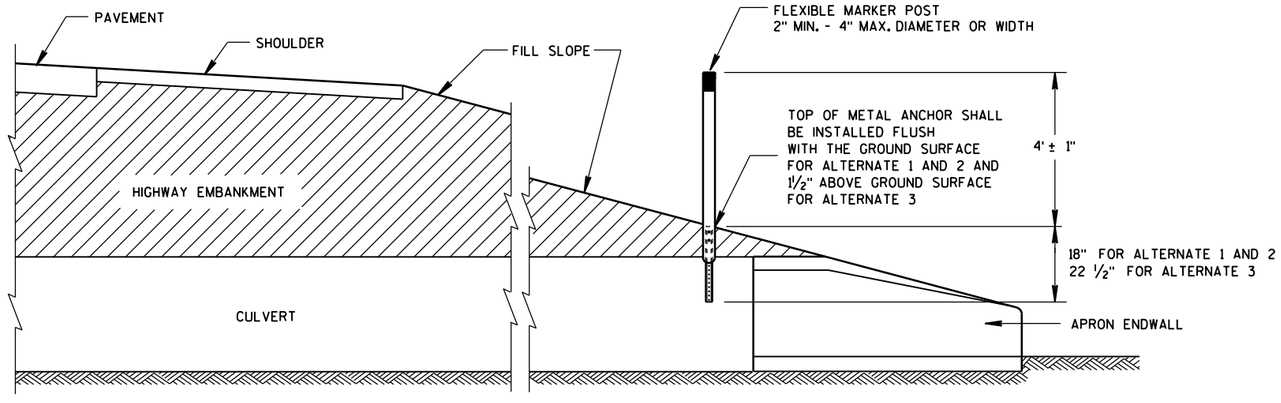
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 A 3-2a

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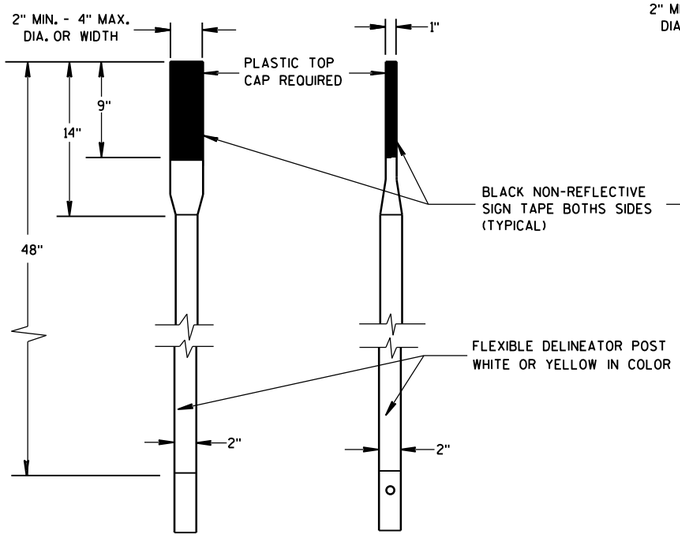
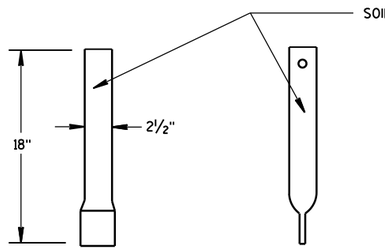
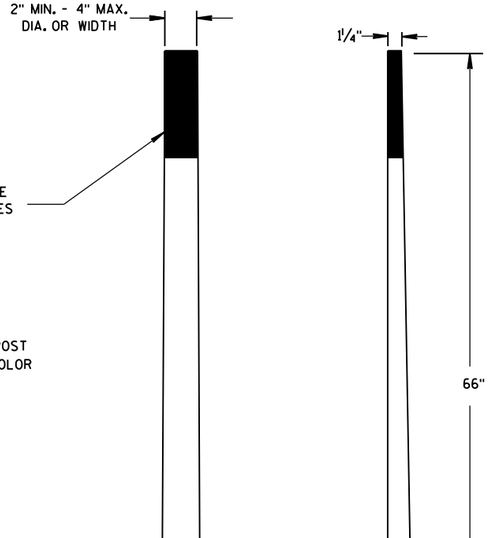
S.D.D. 15 A 3-2a





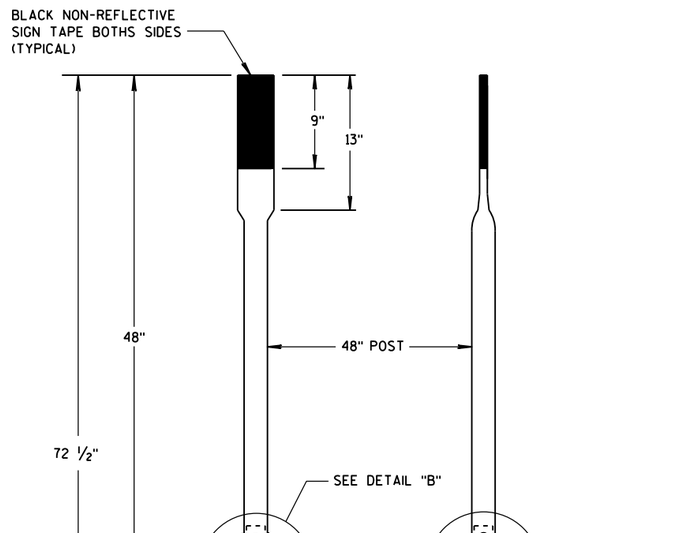
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

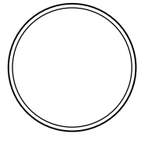
ALTERNATE 2



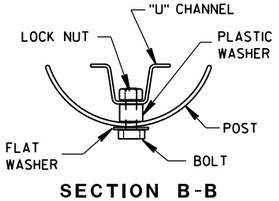
FRONT VIEW SIDE VIEW

ALTERNATE 3

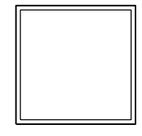
FLEXIBLE MARKER POSTS



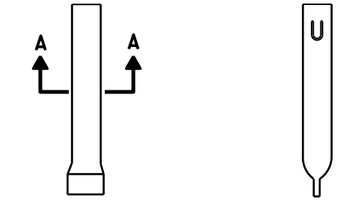
SECTION A-A



SECTION B-B

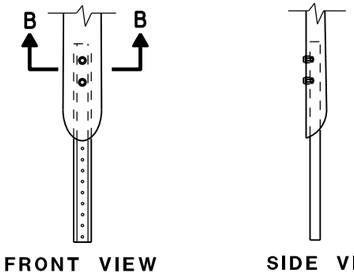


SECTION C-C



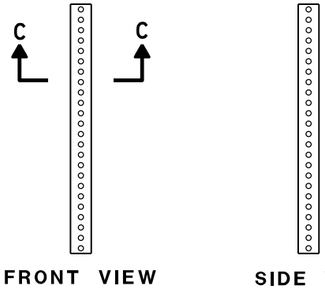
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

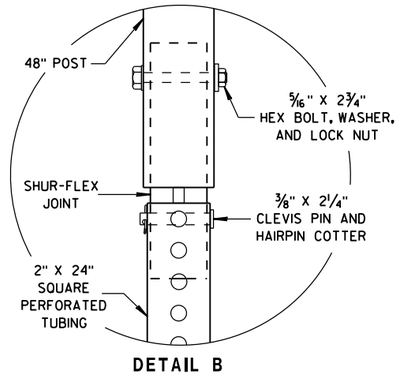
ALTERNATE 2



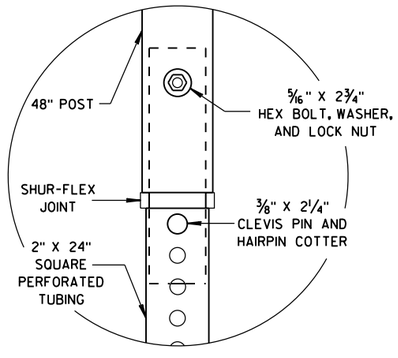
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



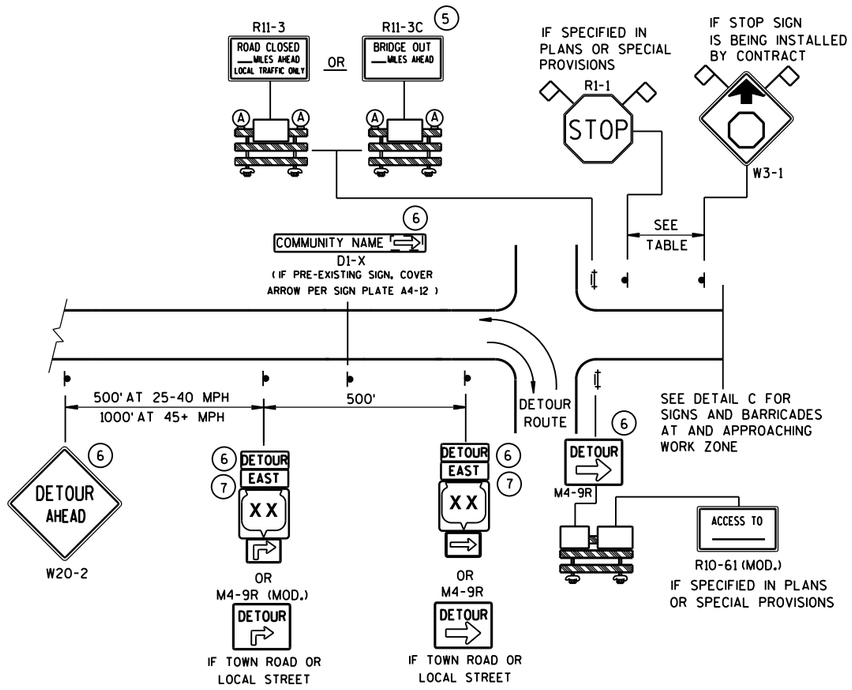
DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

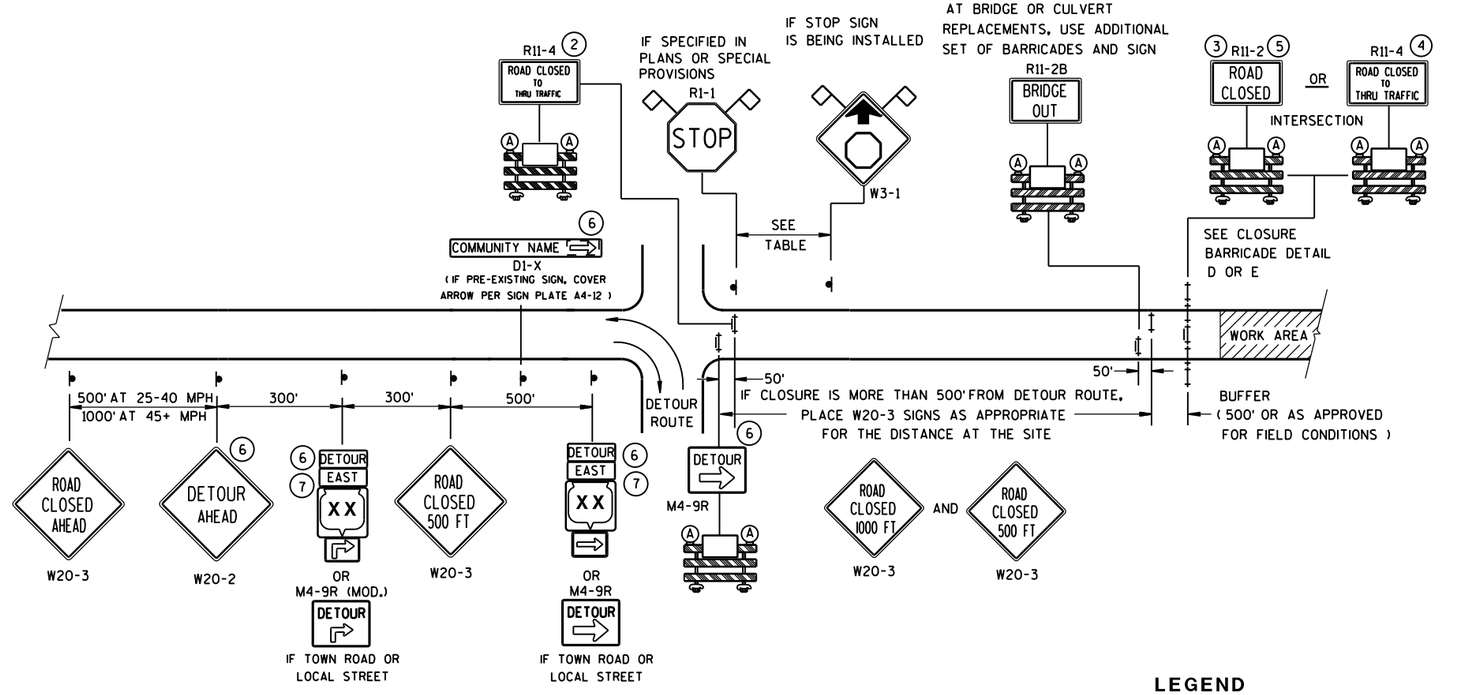
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
IGN
FHWA

6
S.D.D. 15 A 3-2b



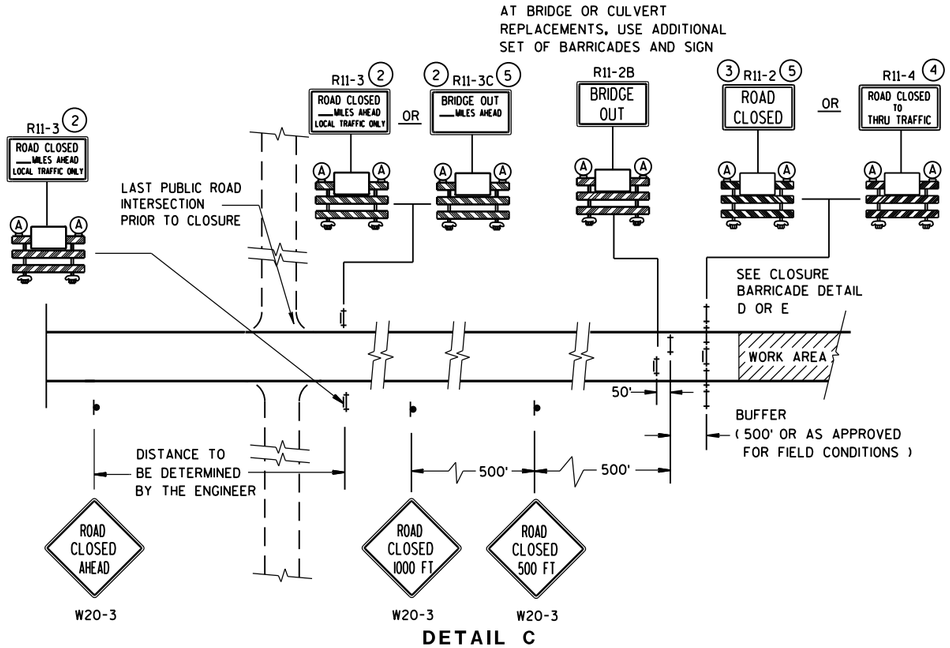
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

252

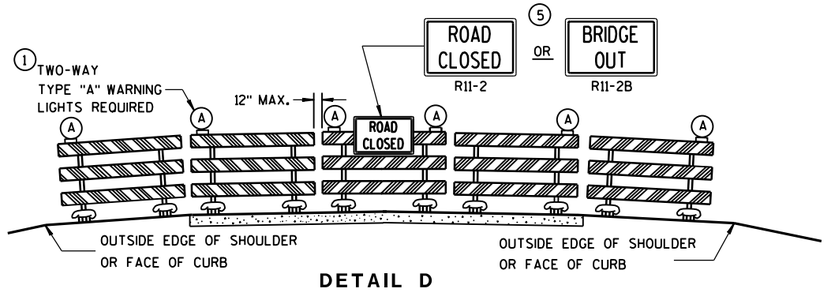
FHWA

6

S.D.D. 15 C 2-5a

6

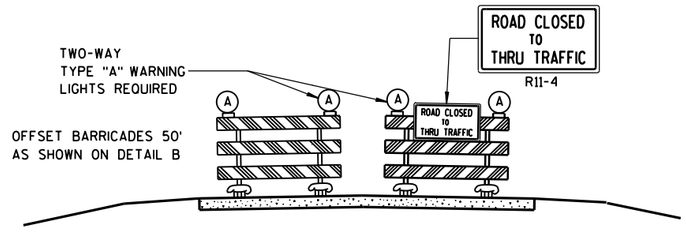
S.D.D. 15 C 2-5a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

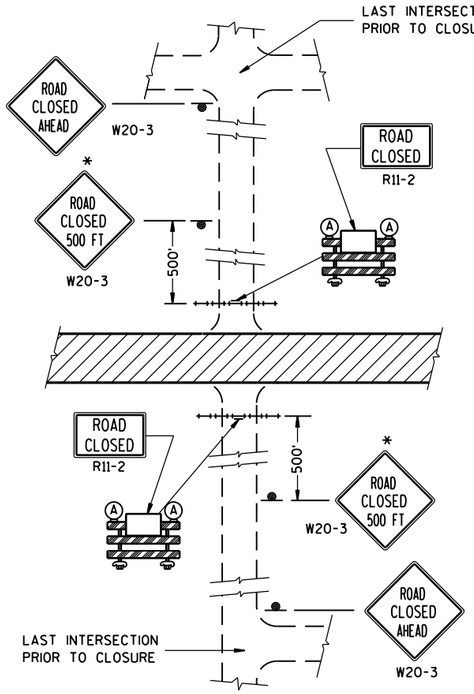
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

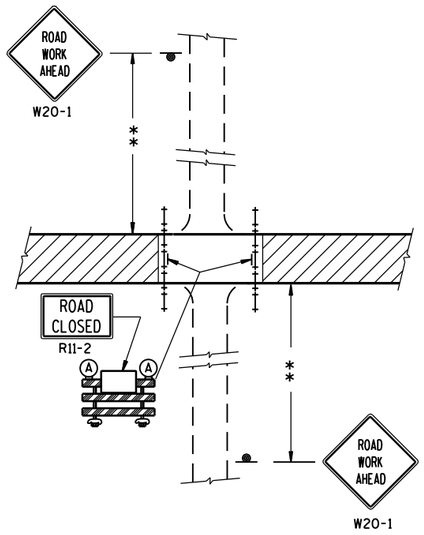
6

S.D.D. 15 C 2-5b



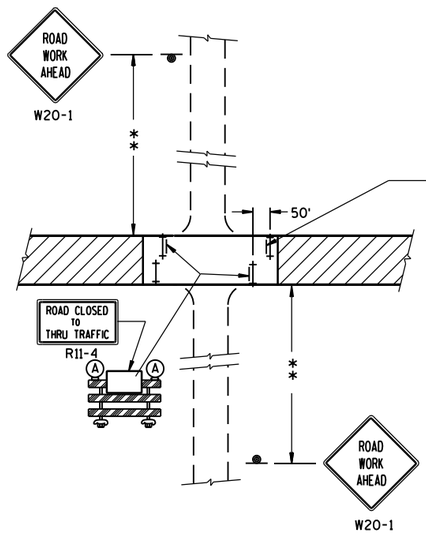
DETAIL 1

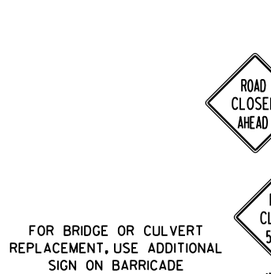
(NO ACCESS TO PROJECT)



DETAIL 2

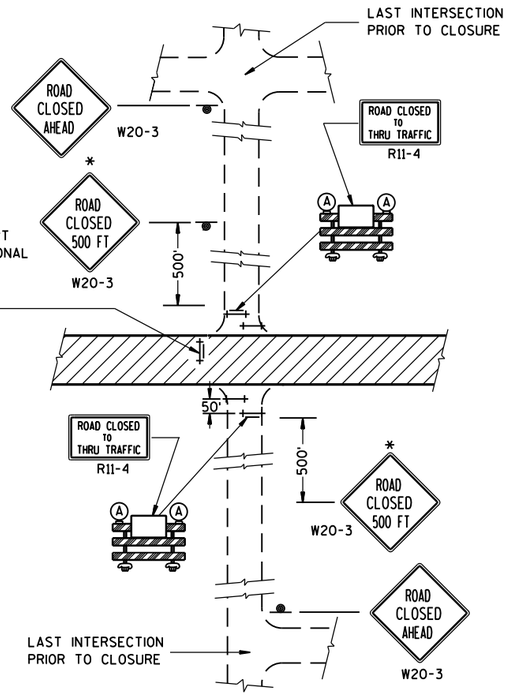
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

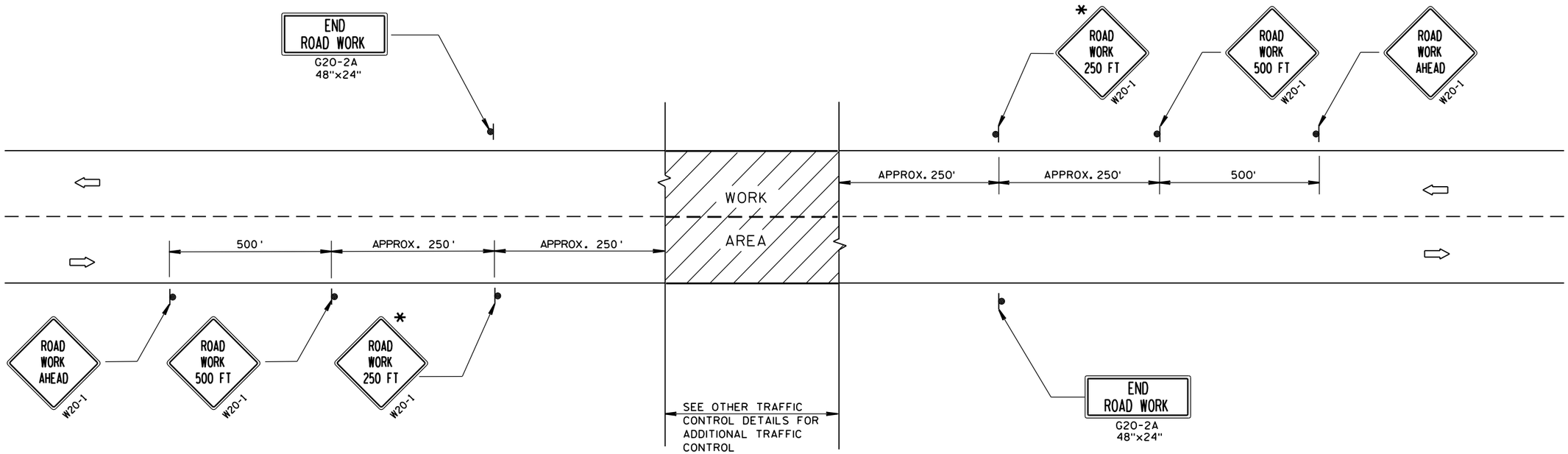
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 3-2

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

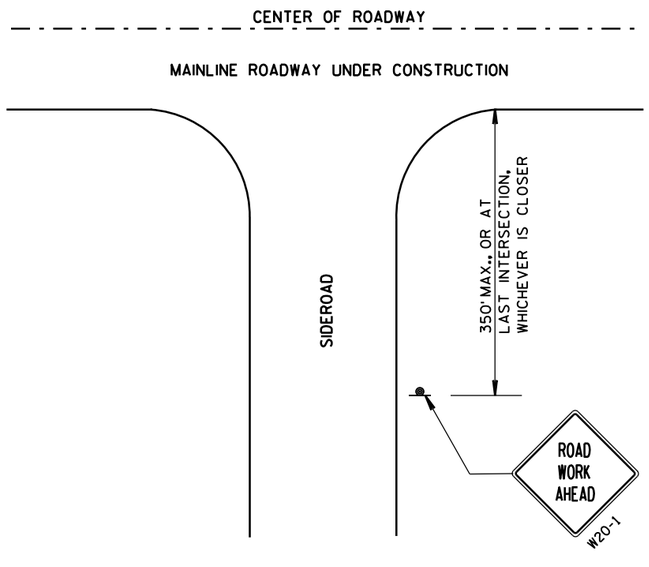
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

255 — SIGN

FHWA

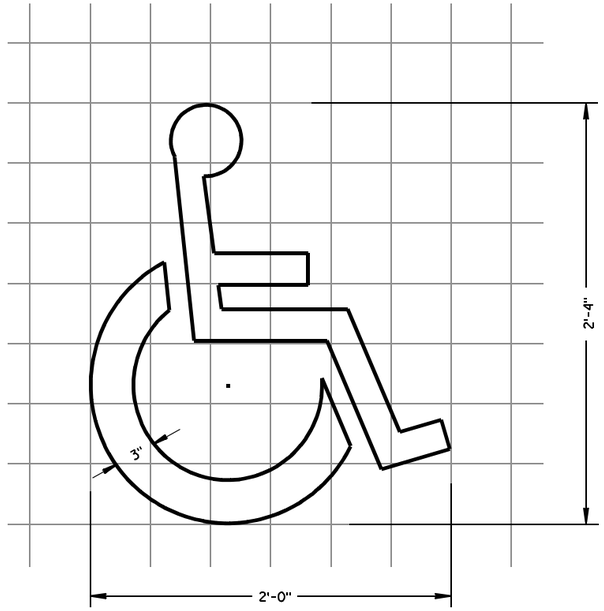
6
S.D.D. 15 C 5-2

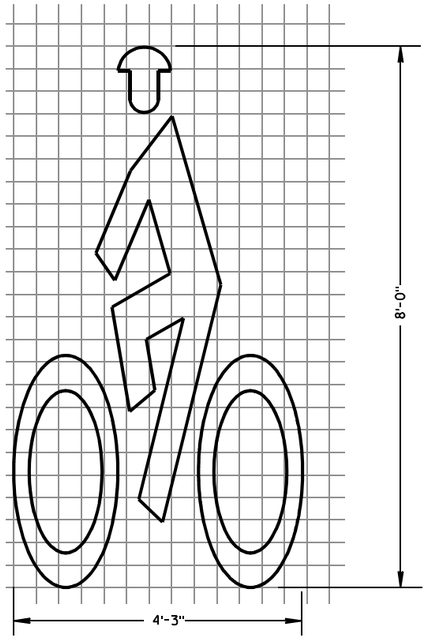
GENERAL NOTES

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

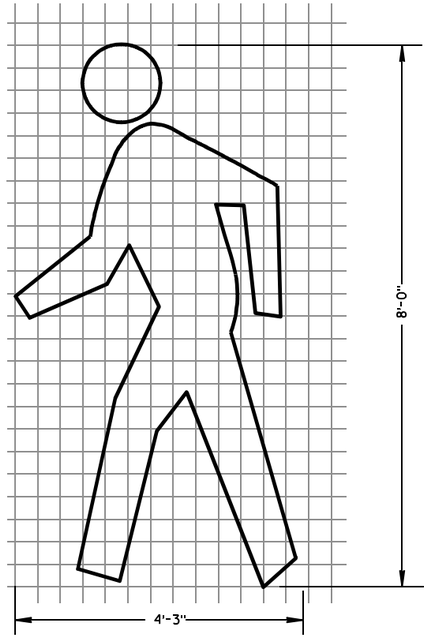
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

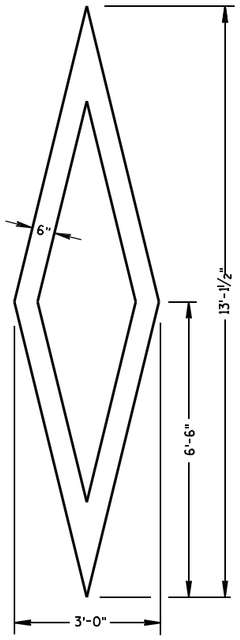




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-12a

S.D.D. 15 C 7-12a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 DATE

/S/ Thomas N Nathan
STATE TRAFFIC ENGINEER

256

IGN

FHWA

GENERAL NOTES

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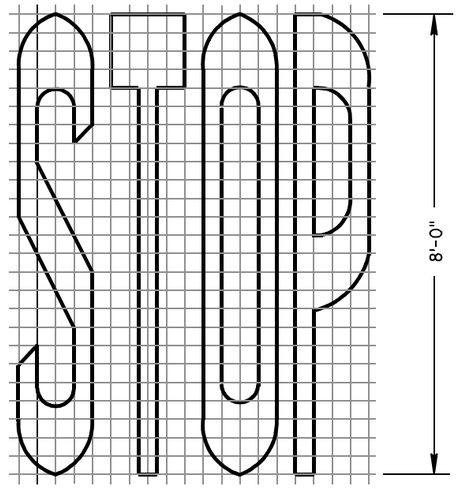
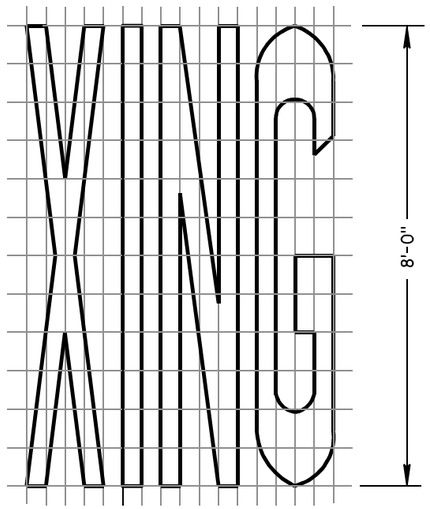
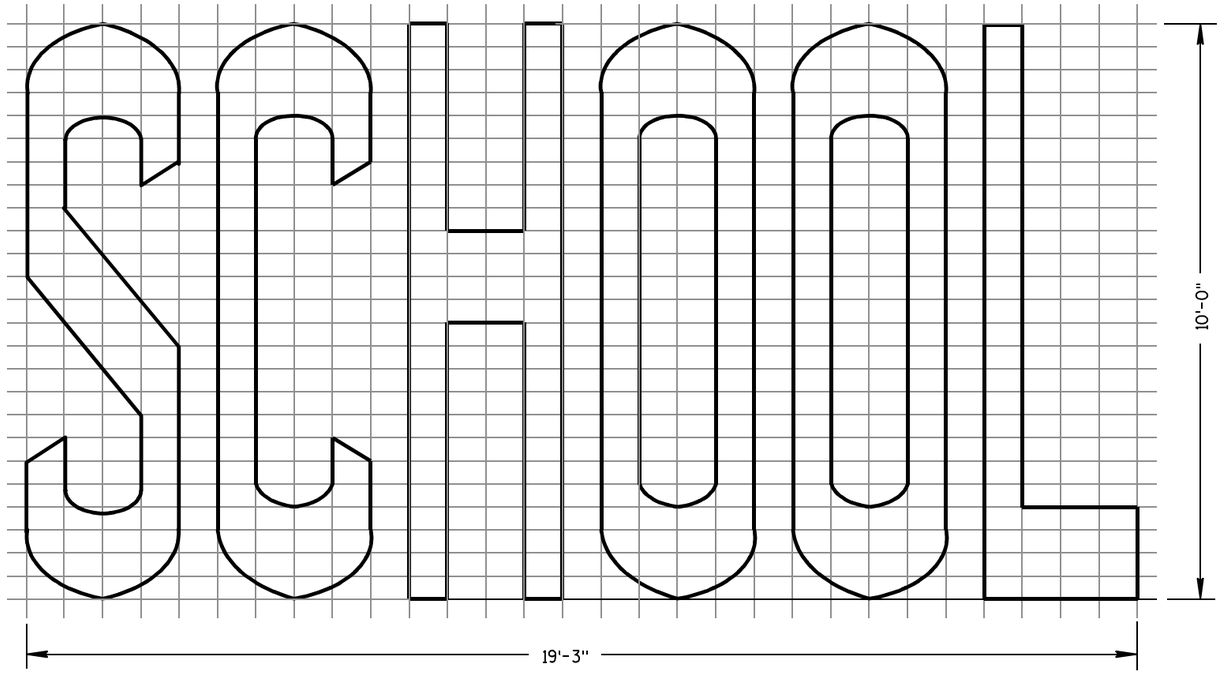
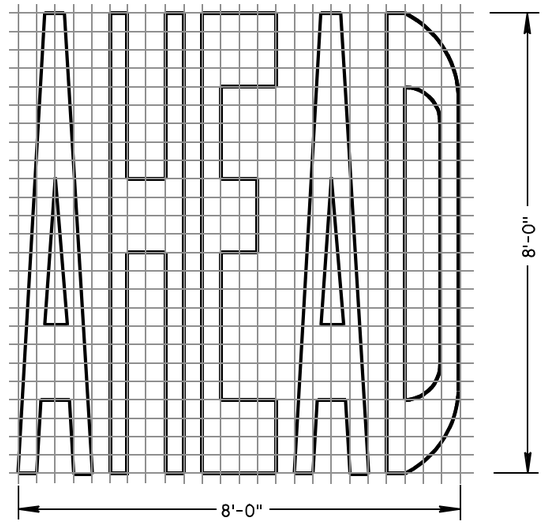
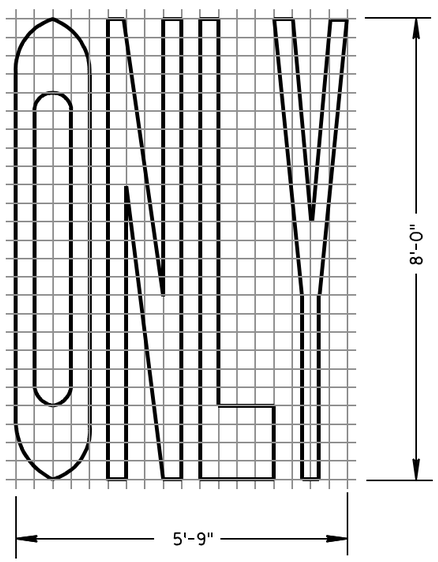


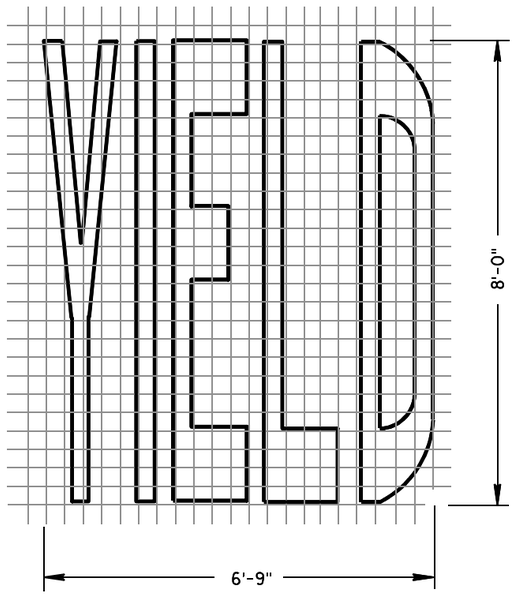


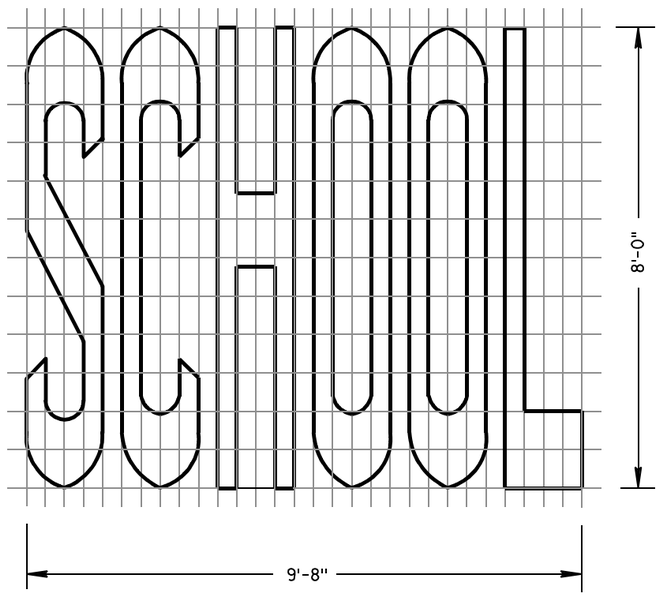


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

257 — IGN

FHWA

6

S.D.D. 15 C 7-12b

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S.D.D. 15 C 7-12b

GENERAL NOTES

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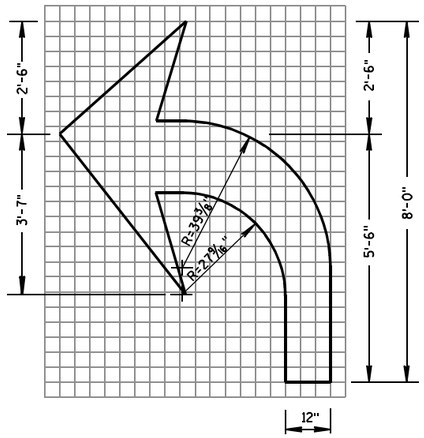
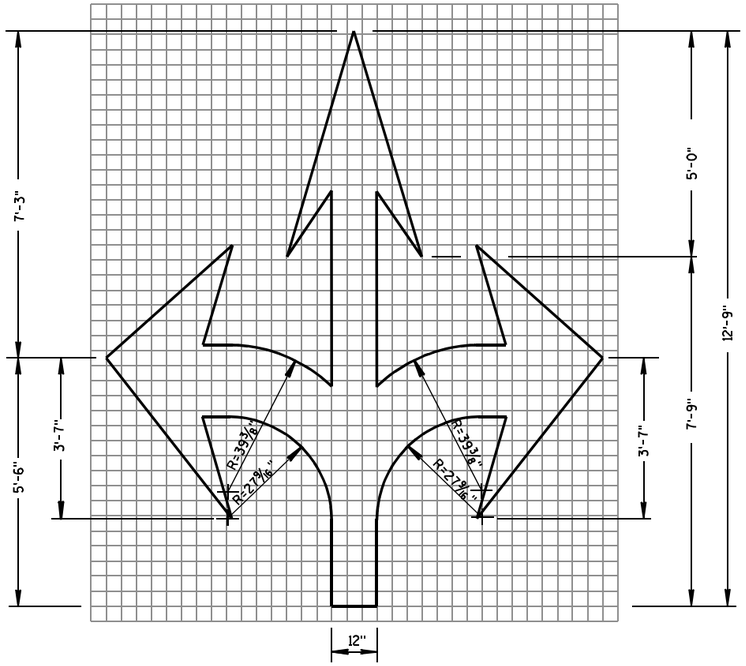
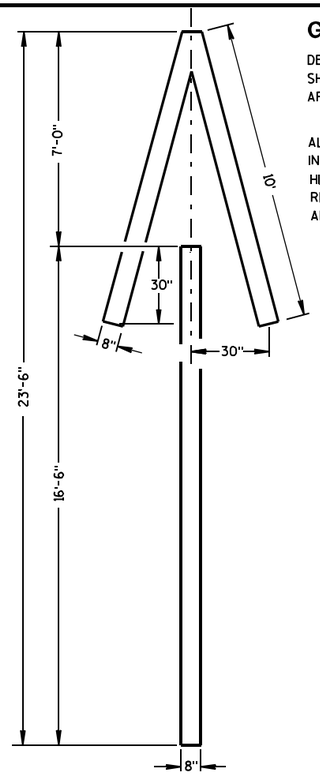


TYPE 2



TYPE 6



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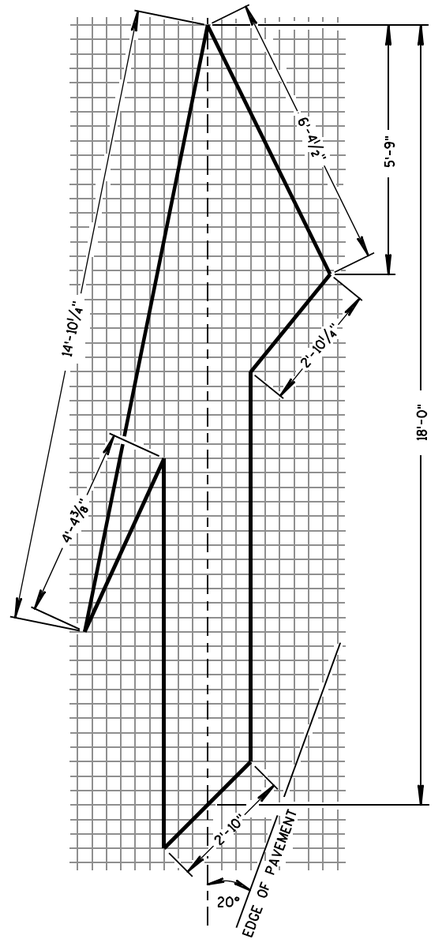
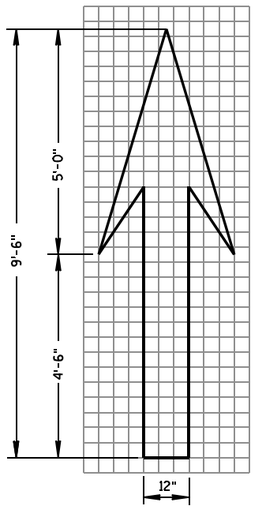


TYPE 5 LANE DROP ARROW



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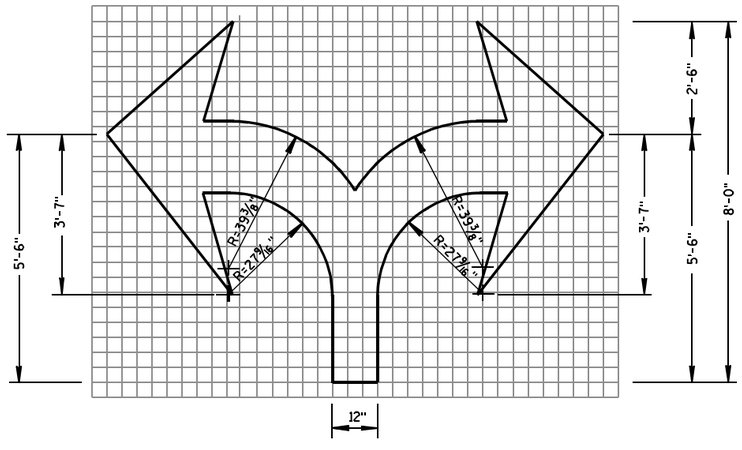

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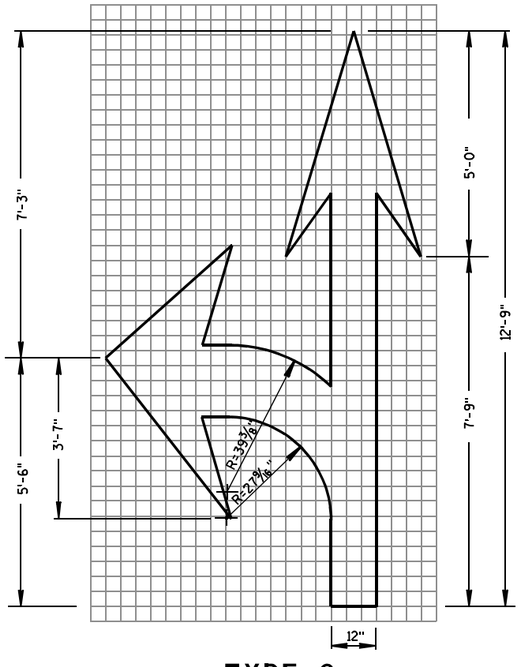

TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c

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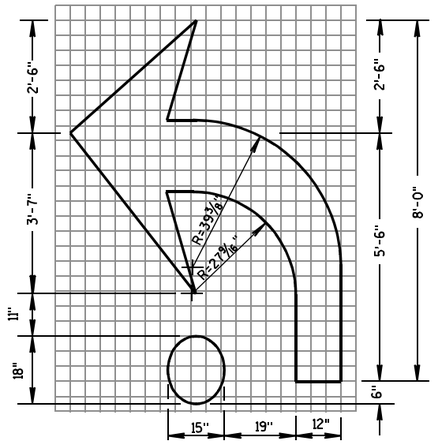

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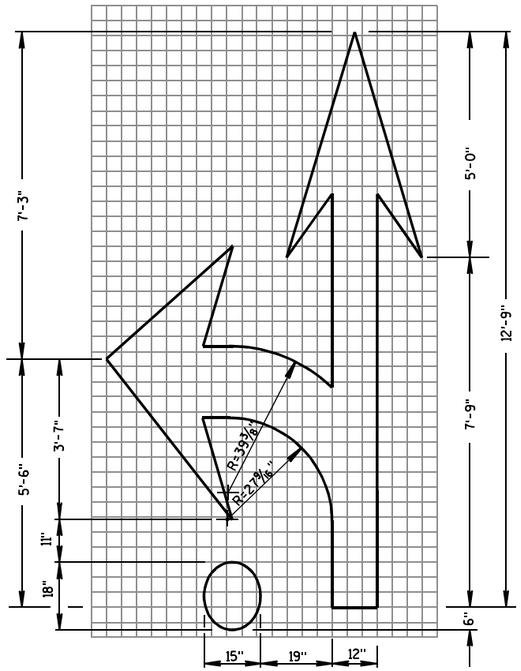

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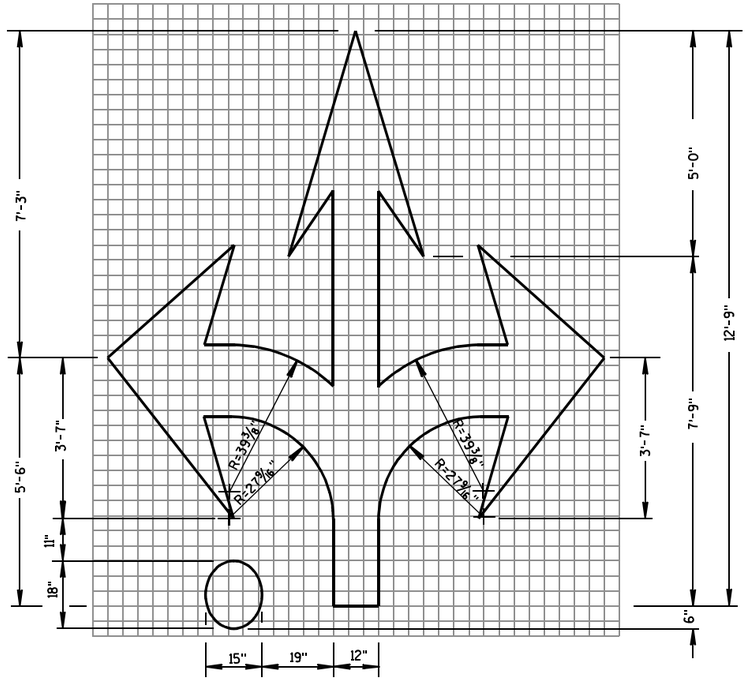

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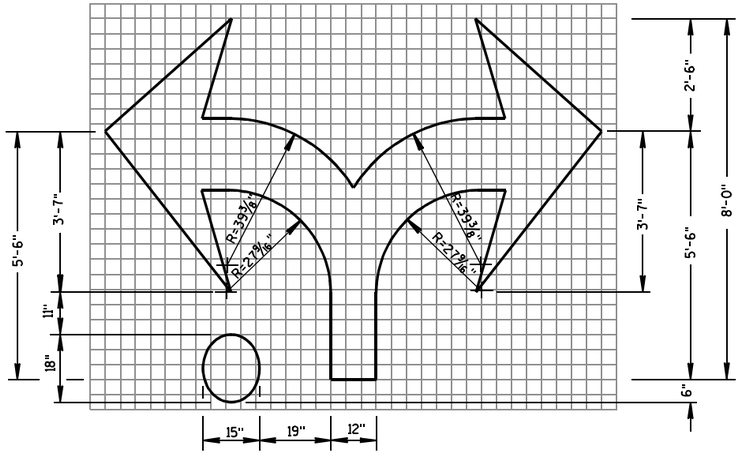


TYPE 7R

ROUNDABOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

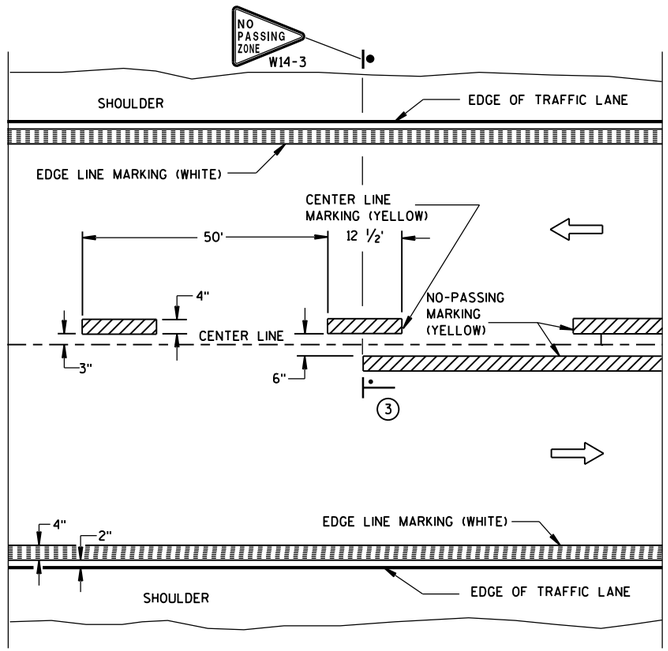
7/1/11 — DATE

/S/ Thomas N. Nothdurm — STATE TRAFFIC ENGINEER — SIGN

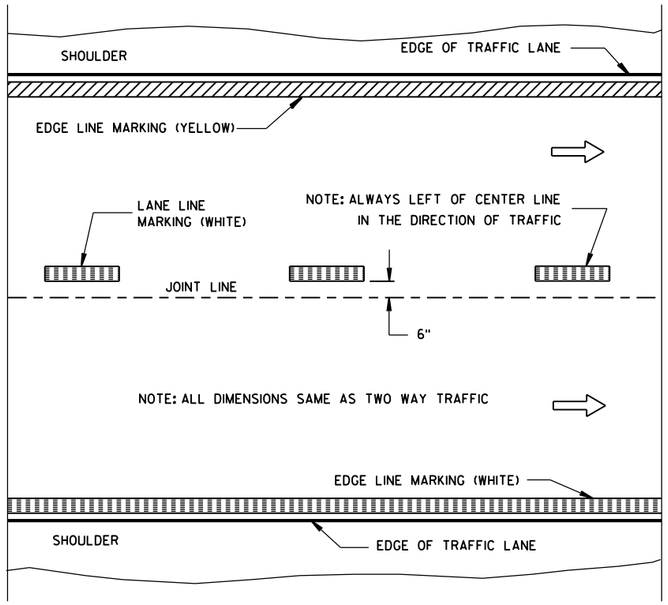
FHWA

6

S.D.D. 15 C 7-12d

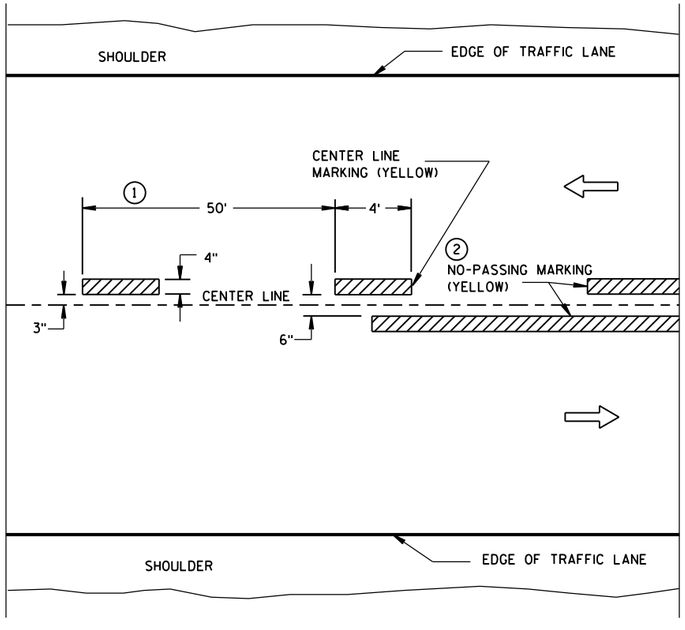


TWO WAY TRAFFIC

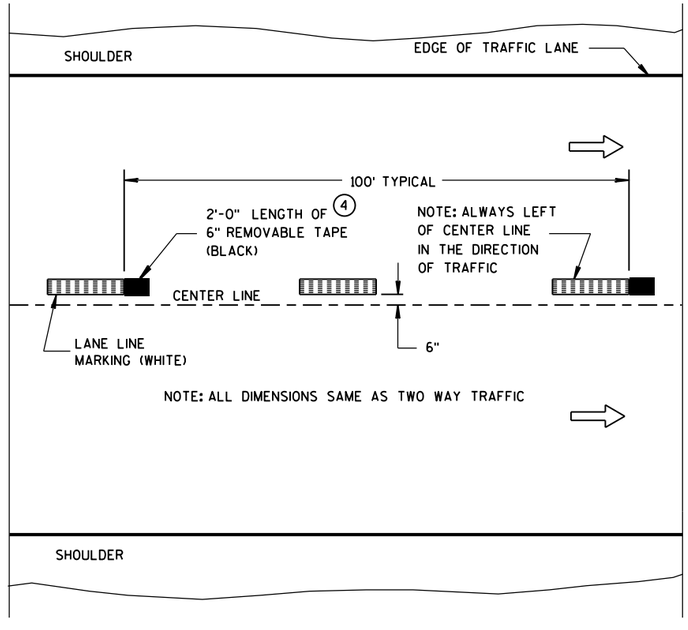


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

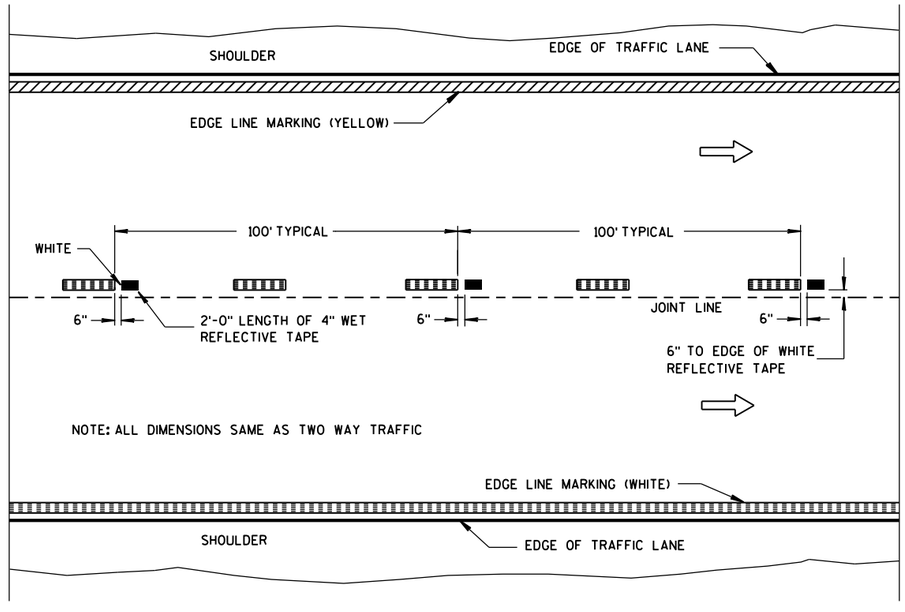
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

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S.D.D. 15 C 8-16a

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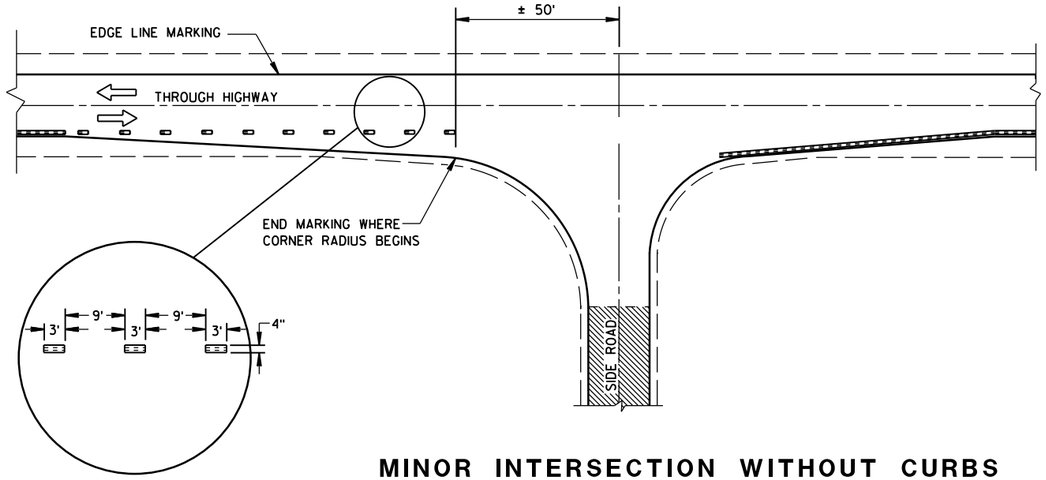
S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

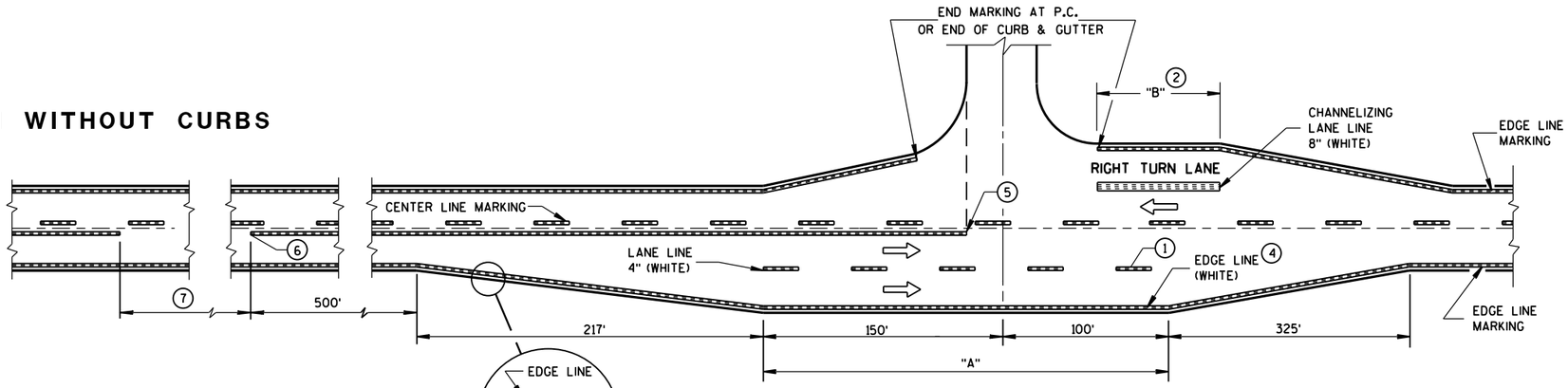
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

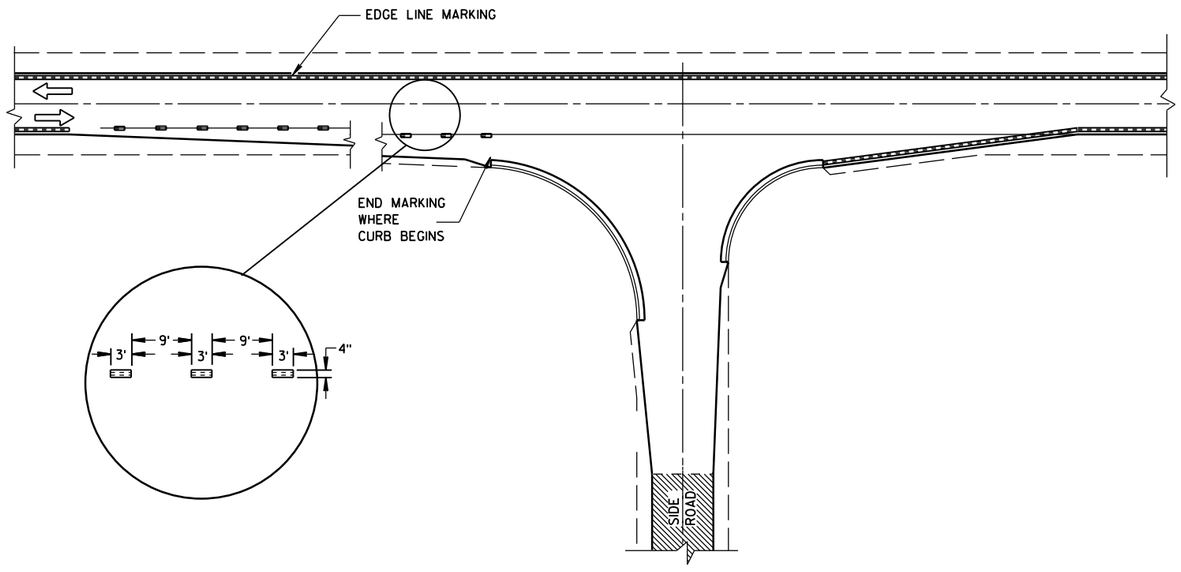
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



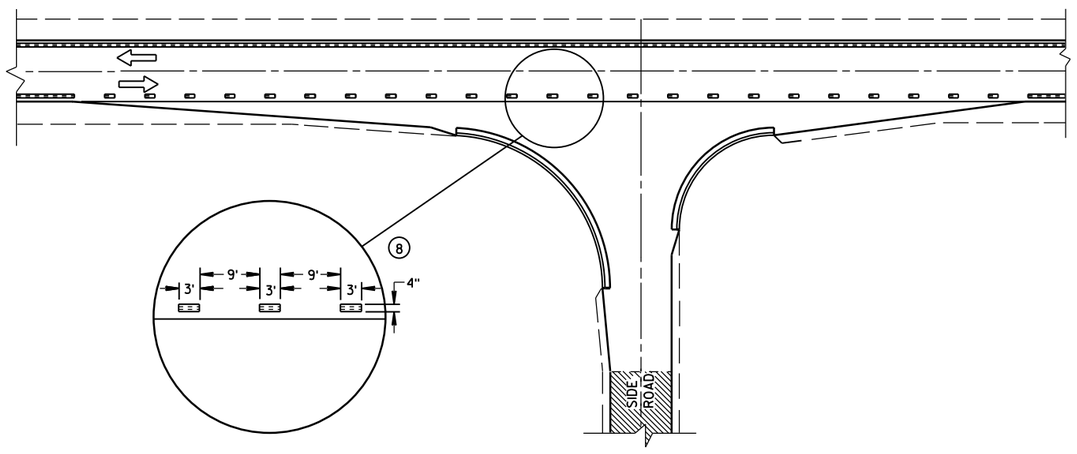
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

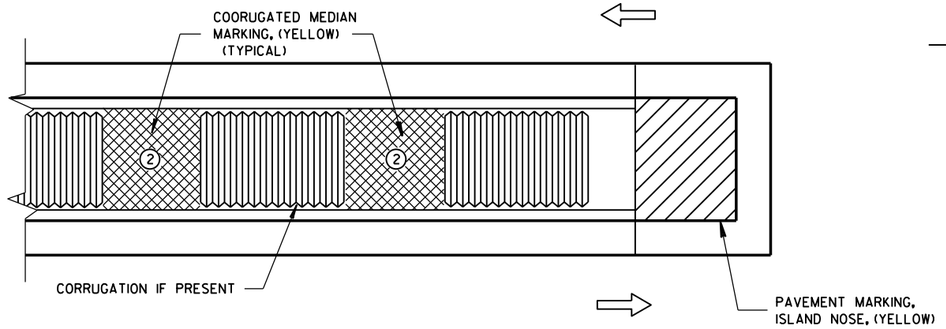
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

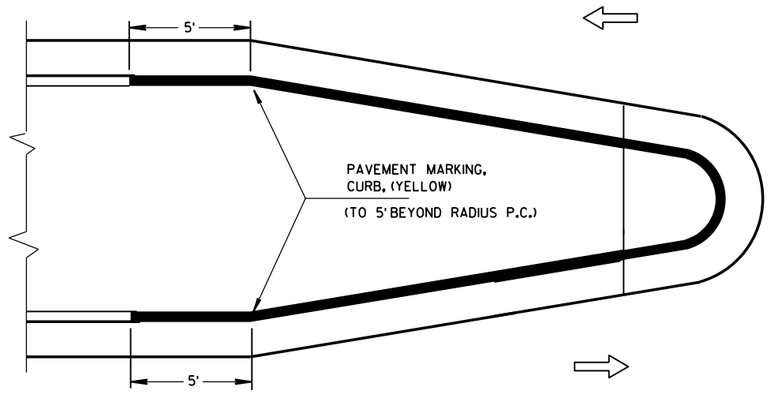
S.D.D. 15 C 8-16b

6

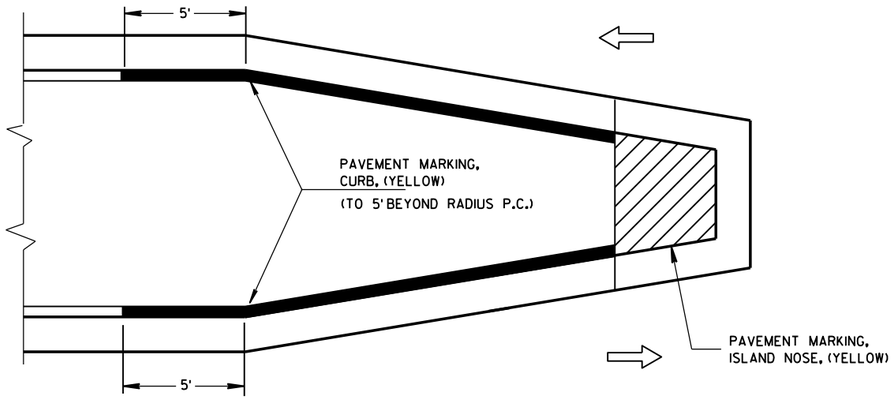
S.D.D. 15 C 8-16b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

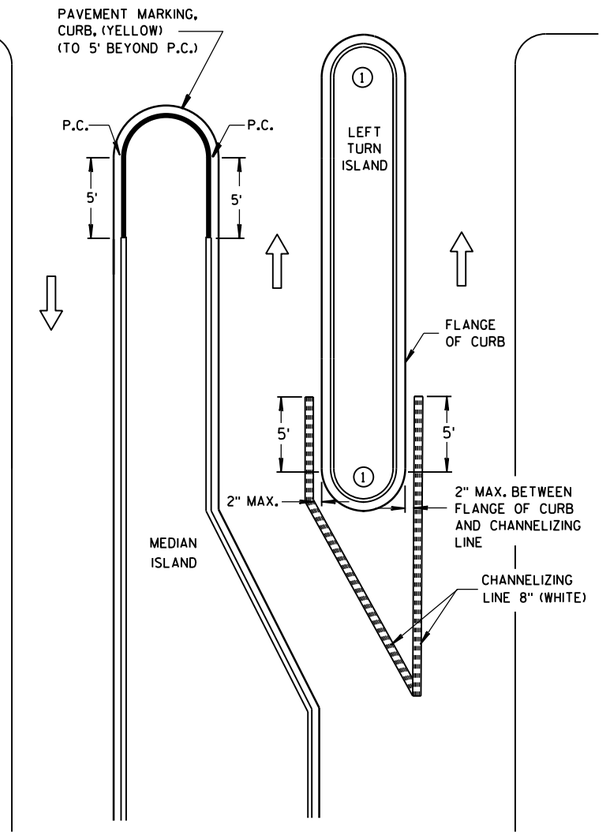


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

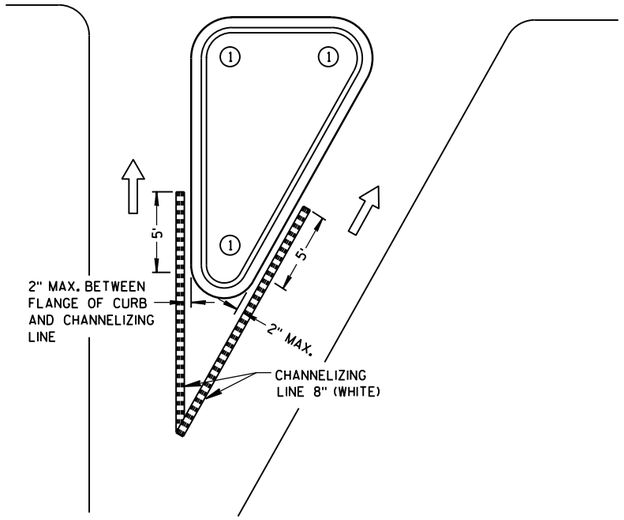


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-16f

6

S.D.D. 15 C 8-16f

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

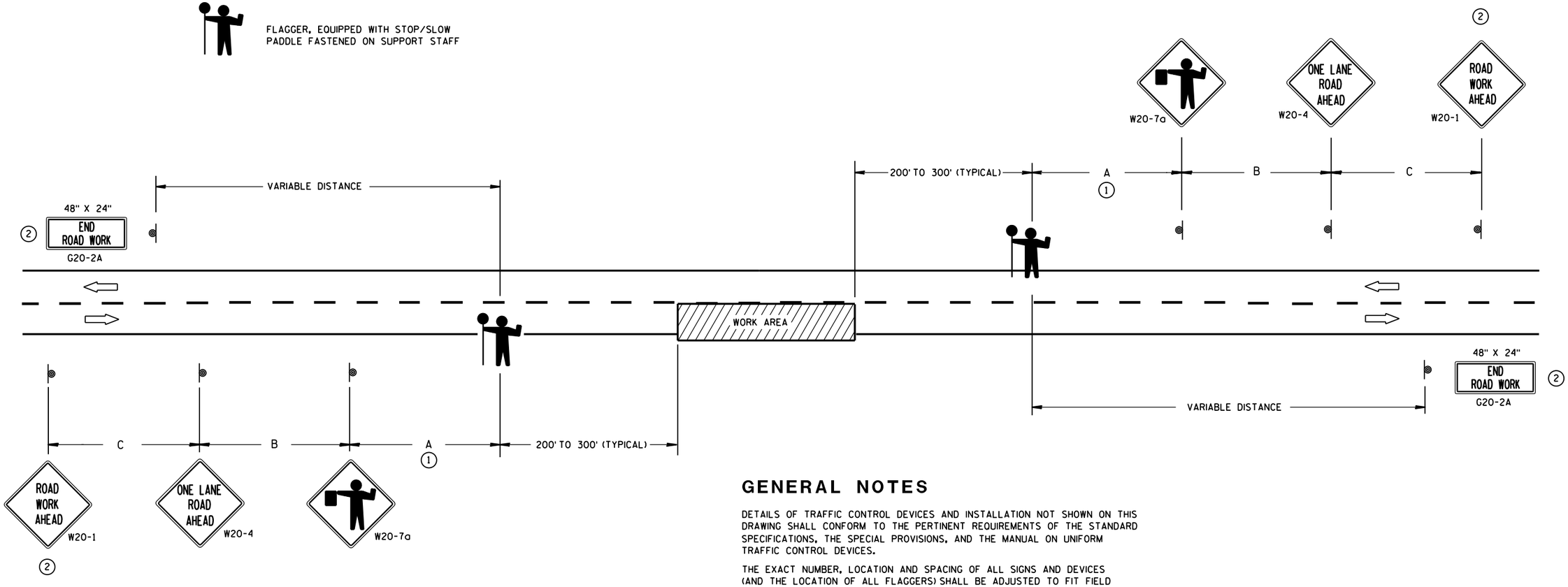
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
DESIGN
FHWA

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S.D.D. 15 C 12-4

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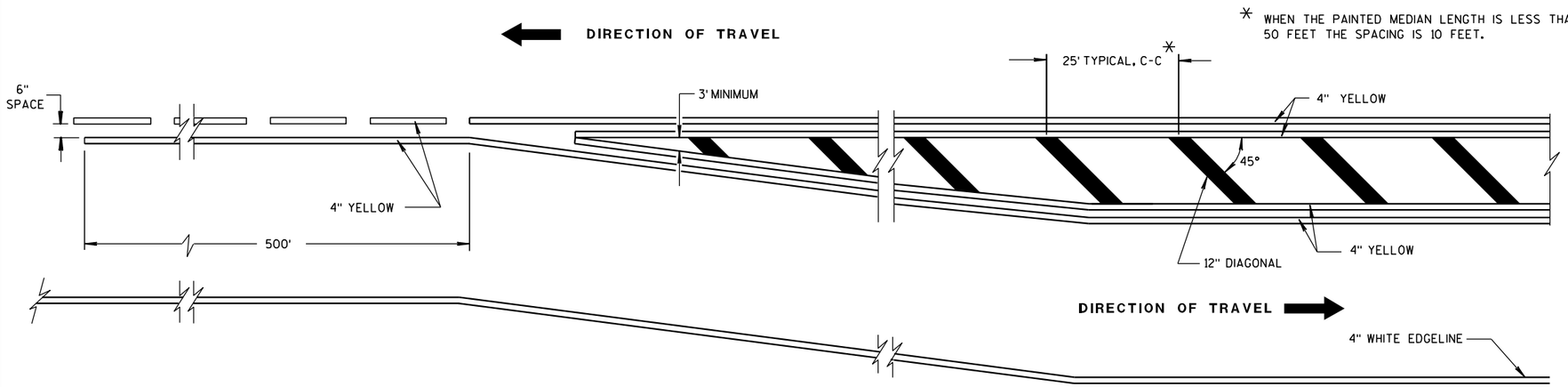
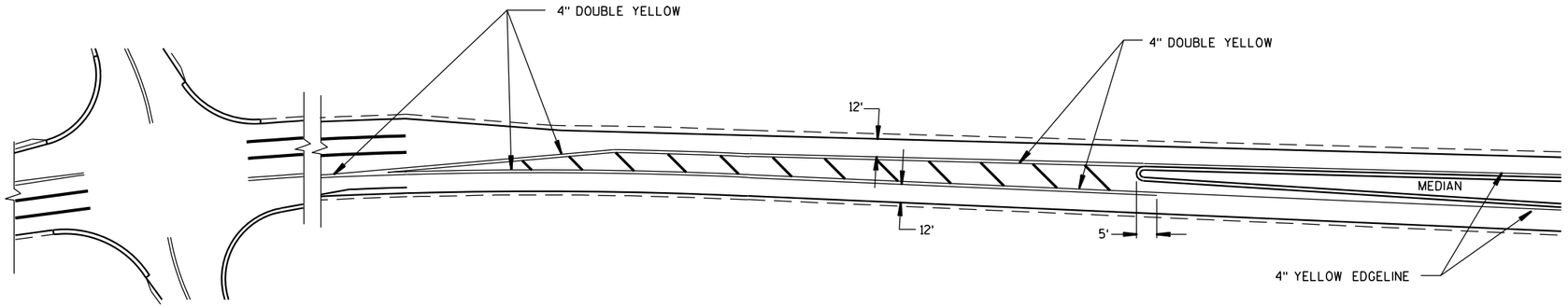
S.D.D. 15 C 12-4



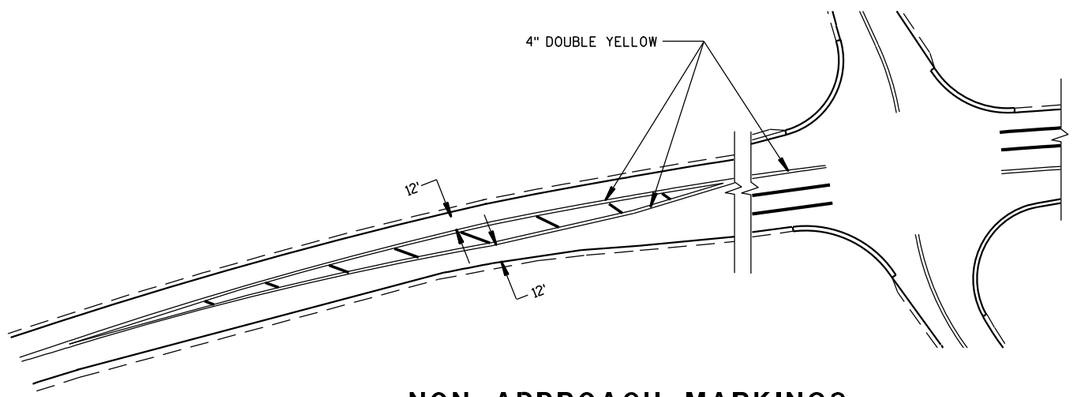
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER
FHWA	

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S.D.D. 15 C 18-3

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S.D.D. 15 C 18-3

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

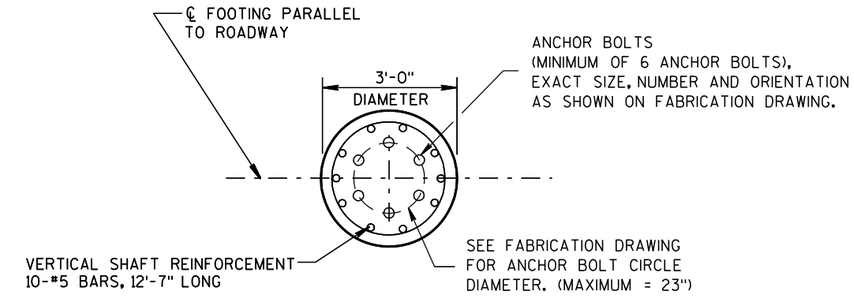
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

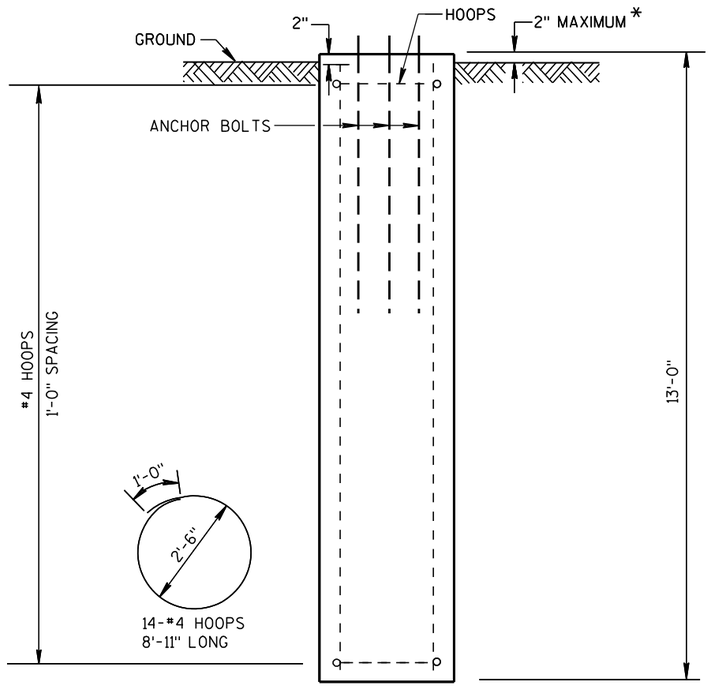
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/17/2009 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEE 265 IGN
FHWA

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S.D.D. 15 C 24-2

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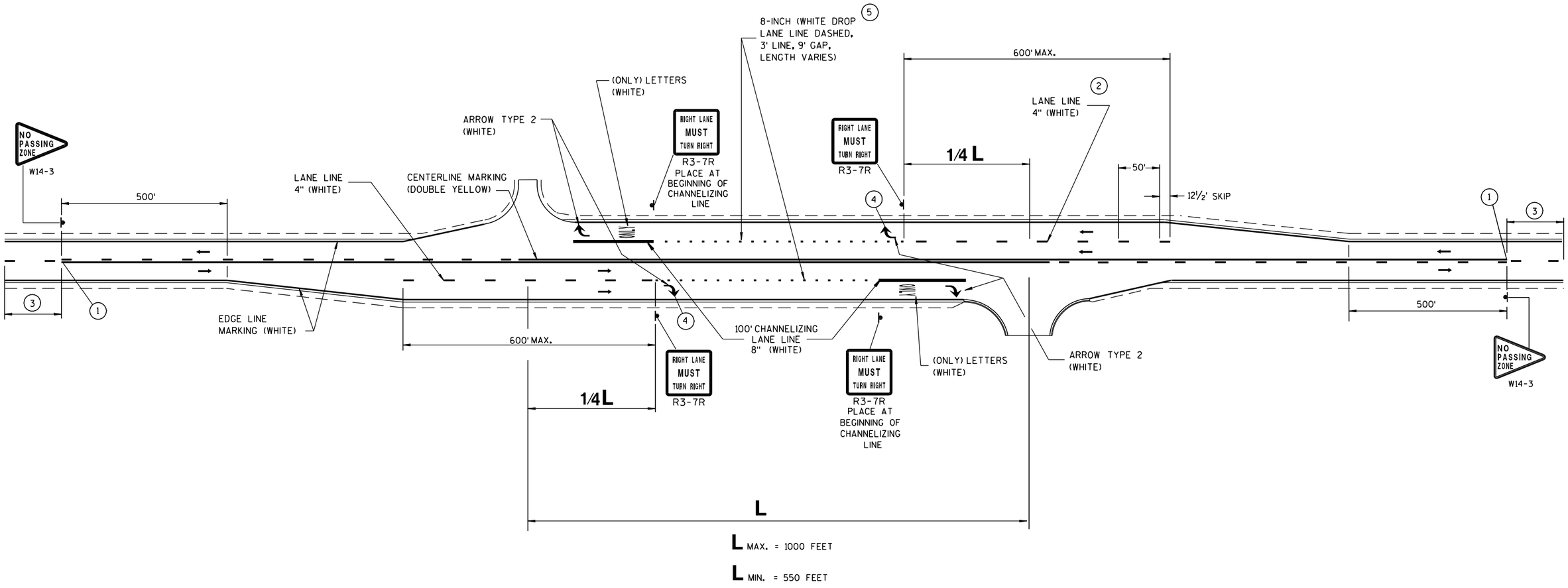
S.D.D. 15 C 24-2

GENERAL NOTES

1. BARRIER LINE STARTS AT 500 FEET PRIOR TO THE BYPASS TAPER.
2. PLACE R3-7R SIGNS AT BEGINNING OF WHITE DROP LANE LINE DASHED AND WHITE CHANNEL LINE.
3. IF THE DISTANCE BETWEEN TWO SUCCESSIVE NO PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE TWO ZONES.
4. REQUIRED ONLY WHEN SPECIFIED IN THE PLANS.
5. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.



LEGEND

⇄ DIRECTION OF TRAFFIC

SIGNING AND MARKING FOR COMBINATION RIGHT TURN AND BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-10 DATE

/S/ Thomas N. Notham
STATE TRAFFIC ENGINEER

FHWA

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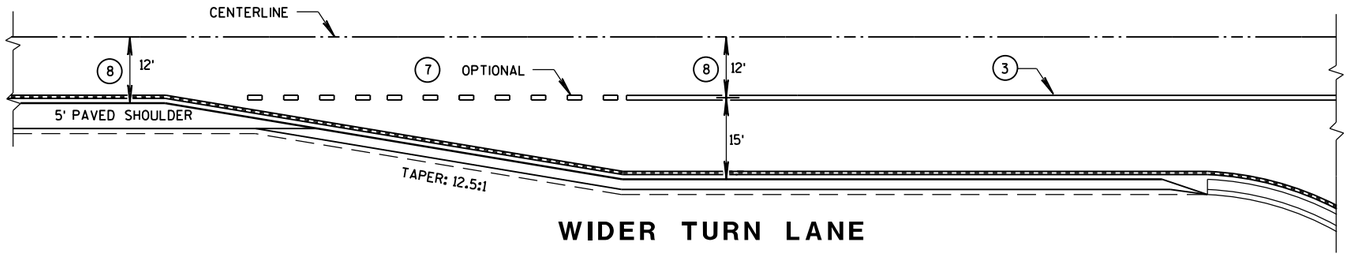
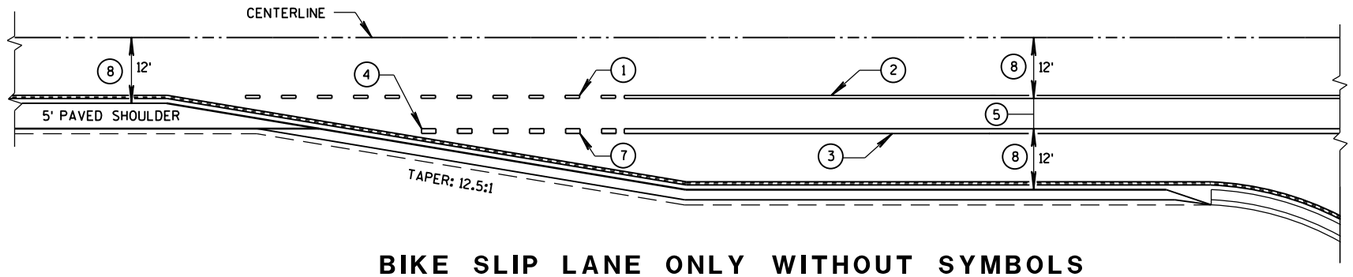
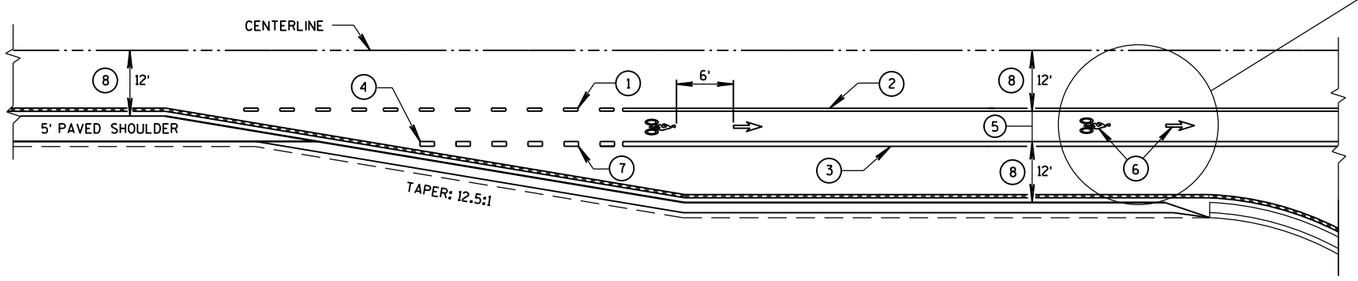
S.D.D. 15 C 28-2



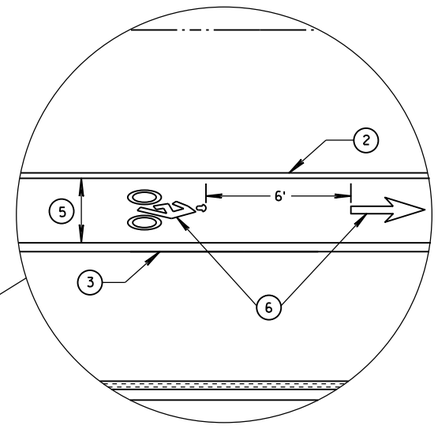
WIDER TURN LANE



BIKE SLIP LANE ONLY WITHOUT SYMBOLS



BIKE LANE WITH SYMBOLS



GENERAL NOTES

1. 3' LINE, 9' GAP - 4-INCH WIDE, WHITE.
2. 4-INCH, WHITE.
3. 8-INCH, WHITE.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMMODATION FOR CONCRETE PAVEMENT IS 5' WIDE. BIKE ACCOMMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4', 5' AT ≥ 45 MPH.
6. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
7. 3' LINE, 9' GAP - 8-INCH WIDE, WHITE.
8. REFER TO CONTRACT PLANS.

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S.D.D. 15 C 29-3a

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

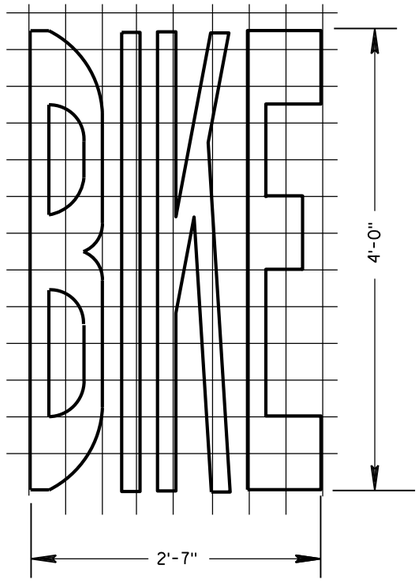
6

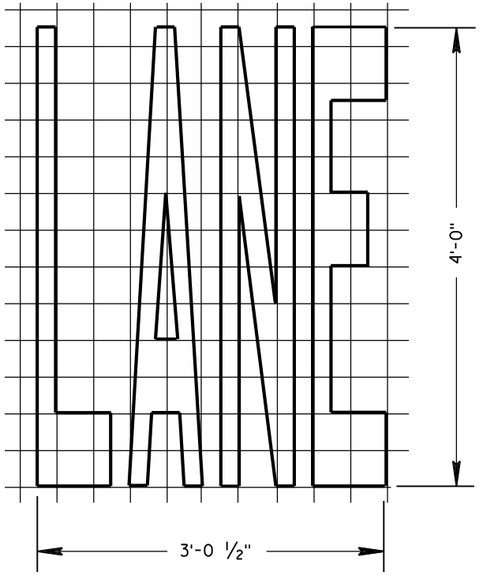
S.D.D. 15 C 29-3a

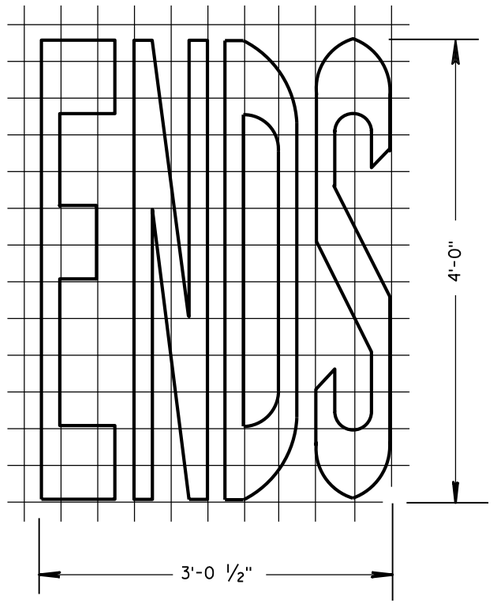
GENERAL NOTES

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

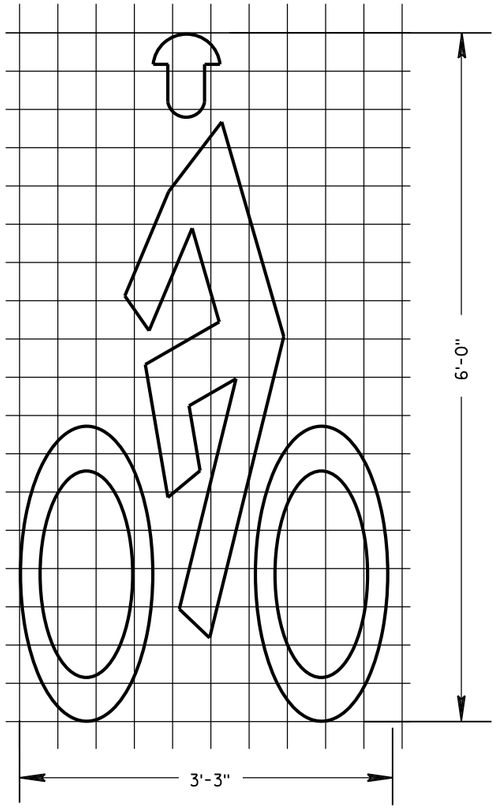
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



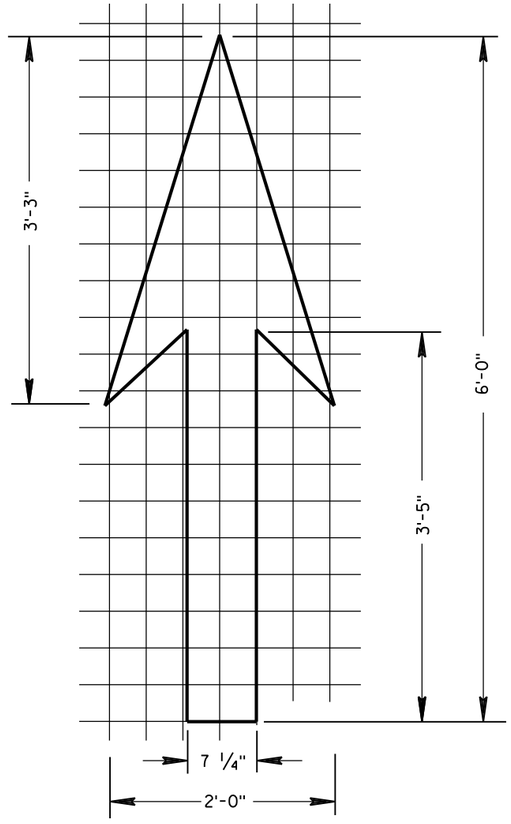




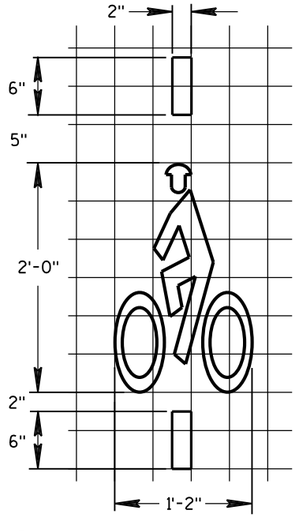
BIKE LANE WORDS



BIKE LANE SYMBOL



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-30-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC EN

FHWA

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S.D.D. 15 C 29-3e

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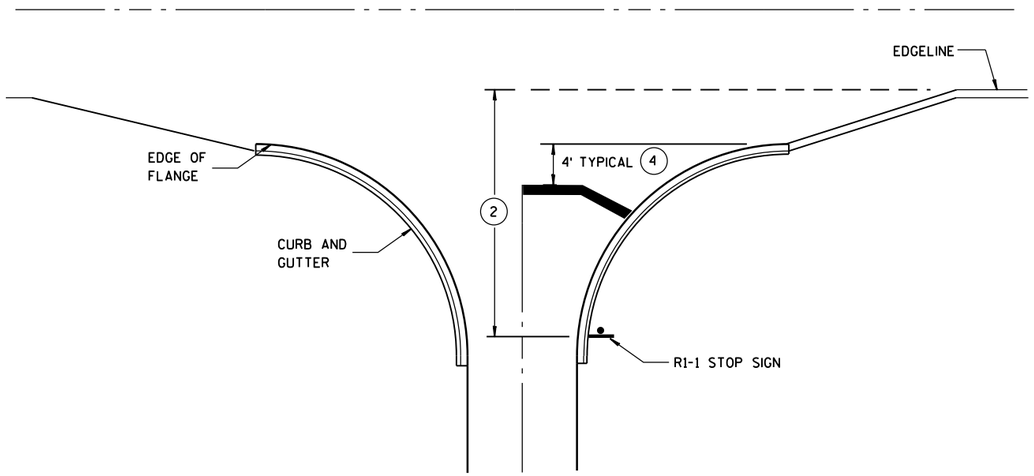
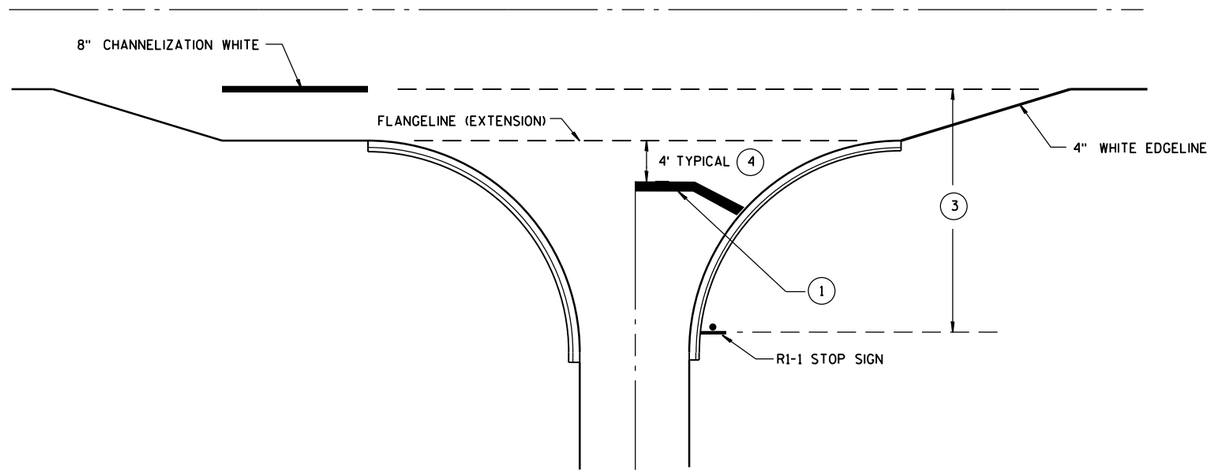
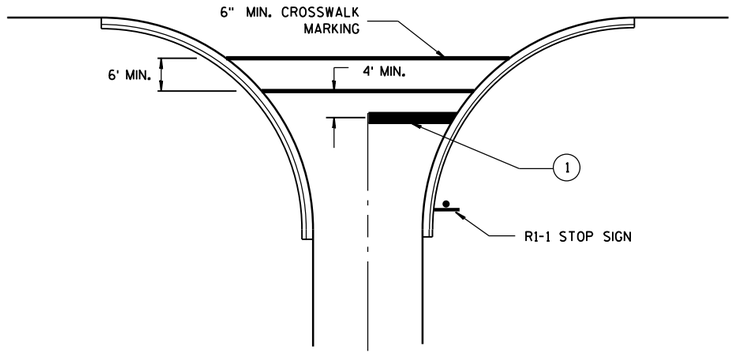


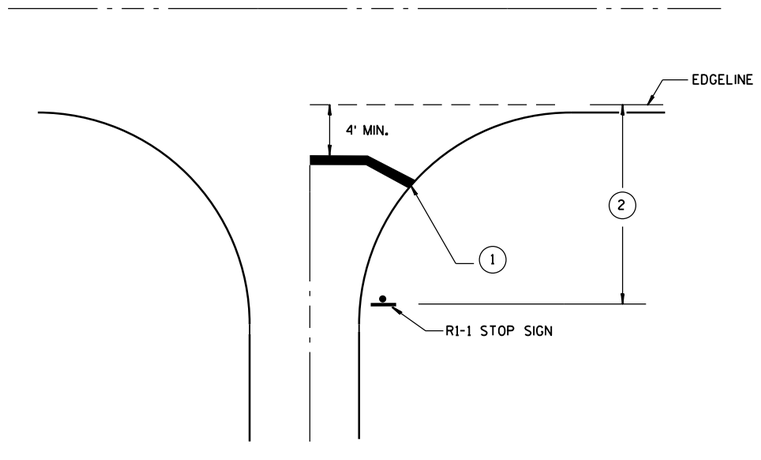
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

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S.D.D. 15 C 33-1

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

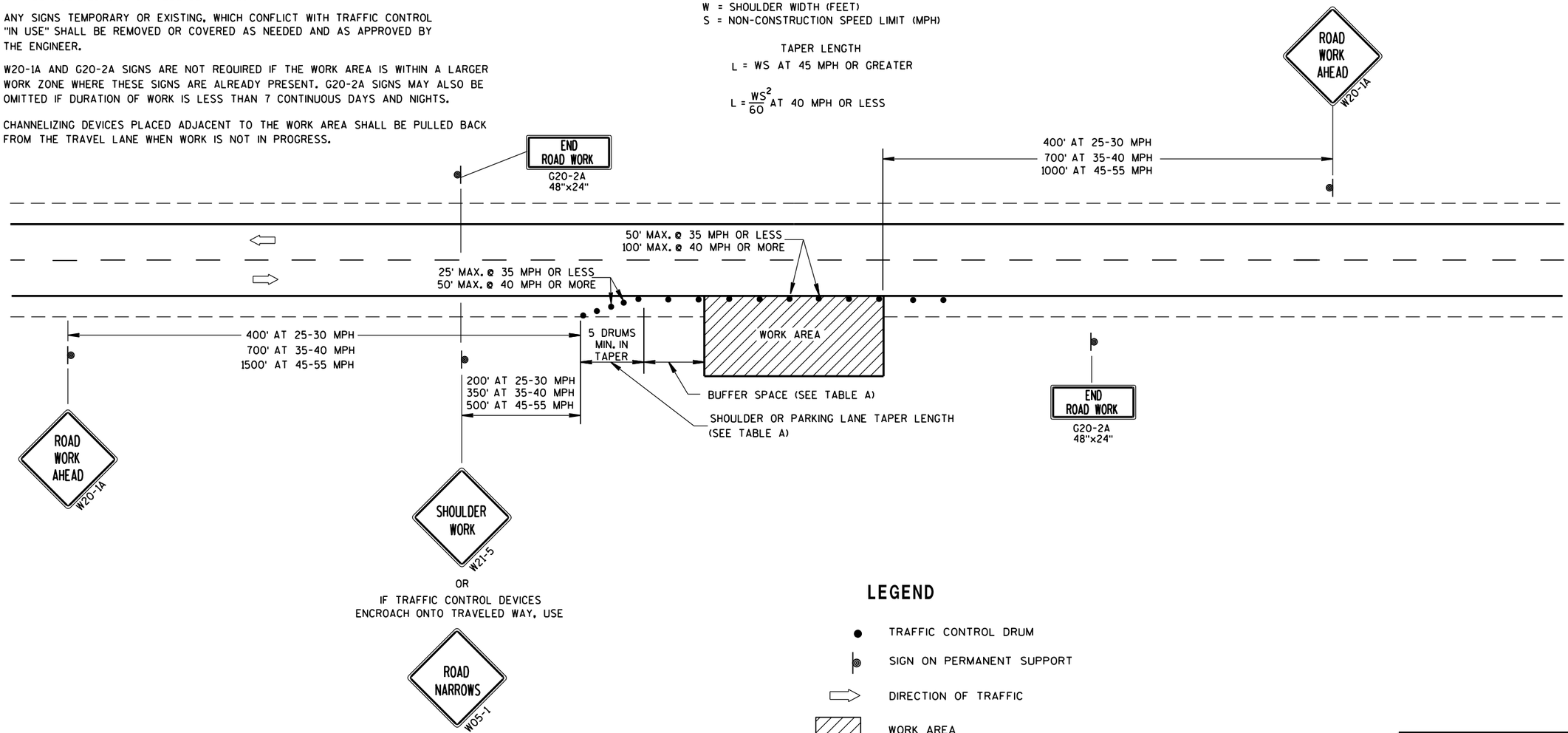
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 D 28-3

S	BUFFER SPACE (DESIRABLE)
25	55'
30	85'
35	120'
40	170'
45	220'
50	280'
55	335'

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

END ROAD WORK
G20-2A 48"x24"

BEGIN TEMPORARY PAVEMENT MARKING, 4-INCH SOLID YELLOW CENTERLINE ✳✳

NO PASSING ZONE
W14-3 48"x36"

1000' 500' 400' 500' 200' 50' 50' 25' TYP.

W01-6 48"x24" ✳✳✳

R11-2 48"x30" ROAD CLOSED (A)
TYPE III BARRICADE

FOR BRIDGE OR CULVERT REPLACEMENTS SUBSTITUTE
BRIDGE OUT R11-2B 48"x30"

W01-6 48"x24"
TYPE III BARRICADE

W01-6 48"x24"
TYPE III BARRICADE

W01-3L OR W01-4L
W013-1 ✳ XX M.P.H.
24"x24"

ROAD WORK 1000 FT W20-1

ROAD WORK AHEAD W20-1

W01-6 48"x24" ✳✳✳

400' 50' 50' 25' TYP.

END TEMPORARY PAVEMENT MARKING, 4-INCH SOLID YELLOW CENTERLINE ✳✳

ROAD CLOSURE OR BRIDGE/CULVERT REPLACEMENT

BUFFER SPACE (SEE TABLE)

WORK AREA

BUFFER SPACE (SEE TABLE)

W01-6 48"x24"
TYPE III BARRICADE

TEMPORARY STEEL PLATE BEAM GUARD AND END TREATMENT WHEN INCLUDED IN THE CONTRACT. FOR LAYOUT, SEE DETAILS ELSEWHERE IN THE PLAN.

W5-52L 12"x36"
W5-52R 12"x36"
25' TYP.

W01-6 48"x24" ✳✳✳

200' 500' 500' 1000'

BEGIN TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINE

25' TYP.

ROAD WORK AHEAD W20-1

ROAD WORK 1000 FT W20-1

W01-4R OR W01-3R
W013-1 ✳ XX M.P.H.
24"x24"

W01-6 48"x24"

W01-6 48"x24" ✳✳✳

W5-52R 12"x36"

W5-52L 12"x36"

W01-4R OR W01-3R
W013-1 ✳ XX M.P.H.
24"x24"

W01-4L OR W01-3L
W013-1 ✳ XX M.P.H.
24"x24"

END TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINE

TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINES. (USE REMOVABLE TAPE WHERE TEMPORARY MARKING CROSSES PERMANENT PAVEMENT)

W01-6 48"x24"

TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW CENTERLINE AND 2-WAY YELLOW RAISED PAVEMENT MARKERS AT 25' SPACING. USE REMOVABLE TAPE WHERE TEMPORARY MARKING CROSSES PERMANENT PAVEMENT.

NO PASSING ZONE
W14-3 48"x36"

END ROAD WORK
G20-2A 48"x24"

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

EQUIPMENT, VEHICLES, OR MATERIAL SHOULD NOT BE STORED IN BUFFER SPACE.

✳ IF ADVISORY SPEED IS GREATER THAN 30 MPH, USE THE W01-4 SIGN. IF ADVISORY SPEED IS 30 MPH OR LESS, USE THE W01-3 SIGN.

✳✳ WHEN THE DISTANCE TO/FROM THE NEXT CLOSEST NO-PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

✳✳✳ OMIT THESE W01-6 SIGNS IF THE ADVISORY SPEED OF THE CURVE IS GREATER THAN 30 MPH.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY-BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY DELINEATOR, (WHITE) (SINGLE DELINEATOR)
- TEMPORARY RAISED PAVEMENT MARKERS (TWO-WAY YELLOW)
- XXX REMOVE PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- TEMPORARY STEEL PLATE BEAM GUARD AND END TREATMENT
- WORK AREA

TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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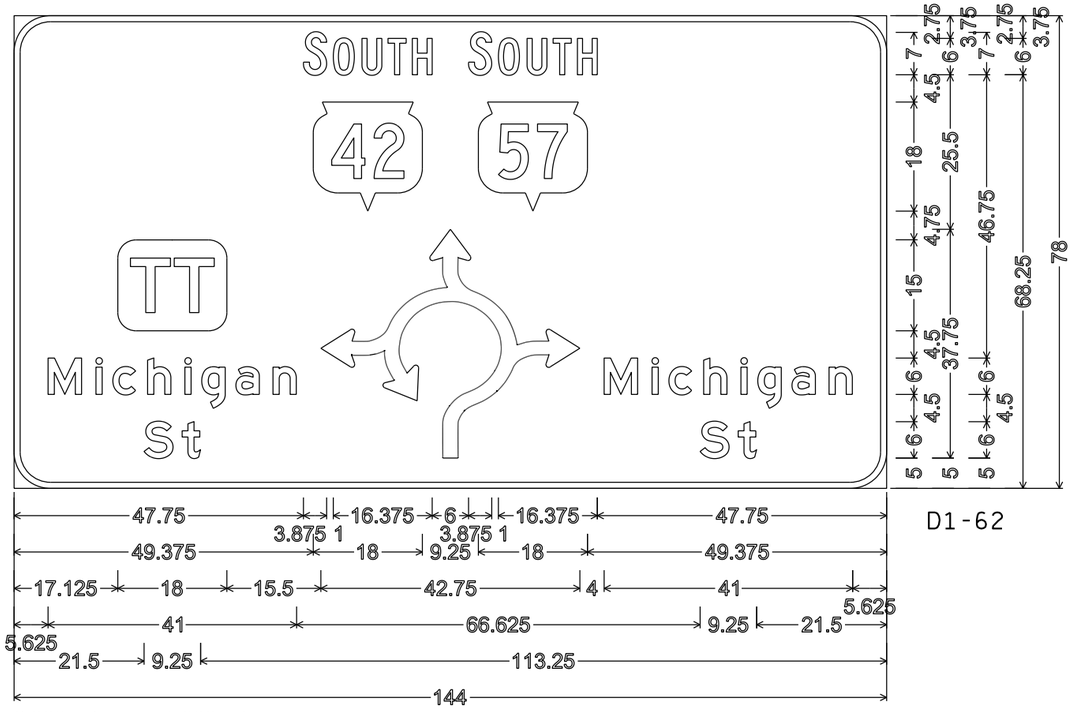
S.D.D. 15 D 31-2
S.D.D. 15 D 31-2

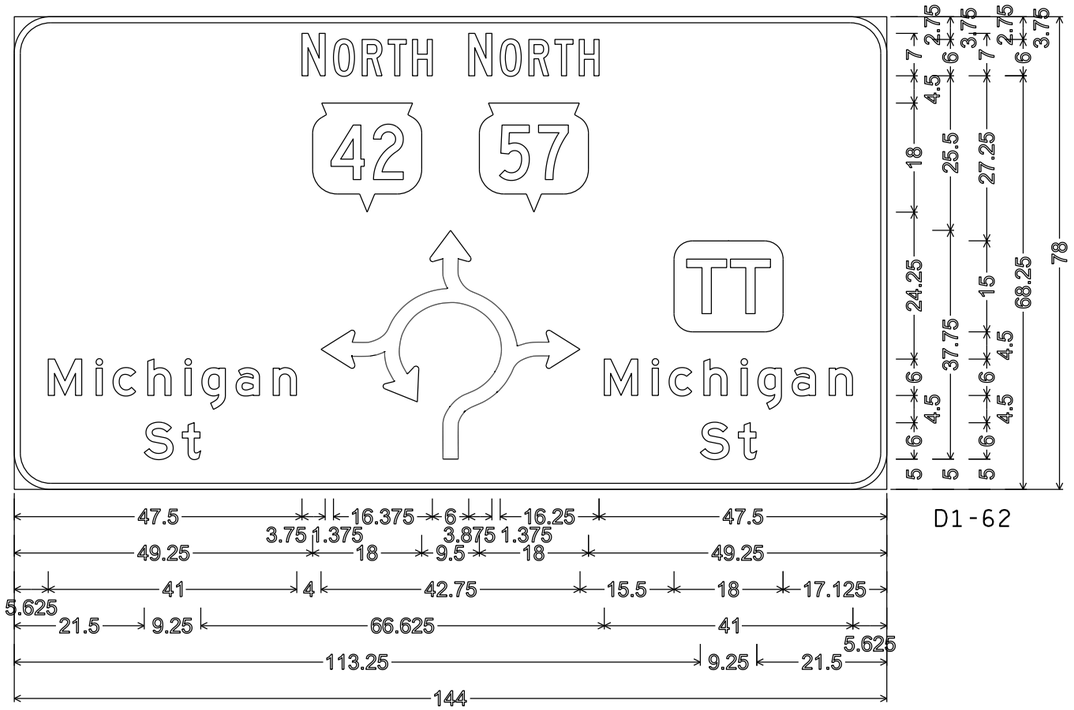


D1-62

6.000" Radius, 1.000" Border
"SOUTH" C; "SOUTH" C;

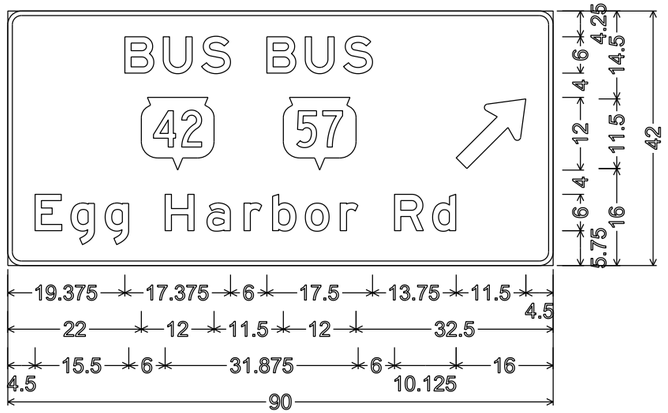
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E except as Shown

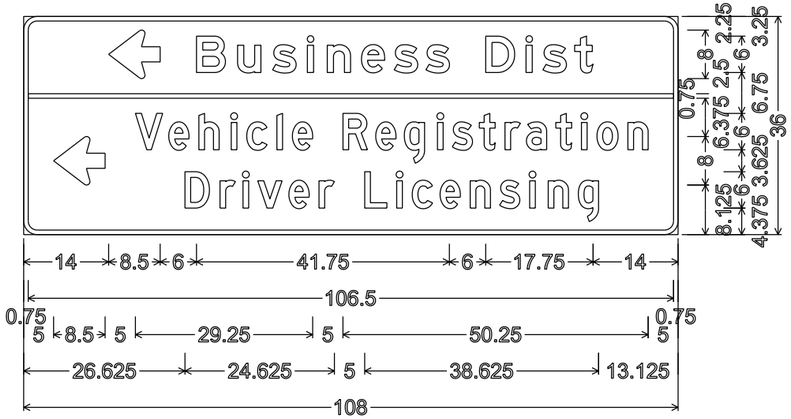


D1-62

6.000" Radius, 1.000" Border
"NORTH" C; "NORTH" C;



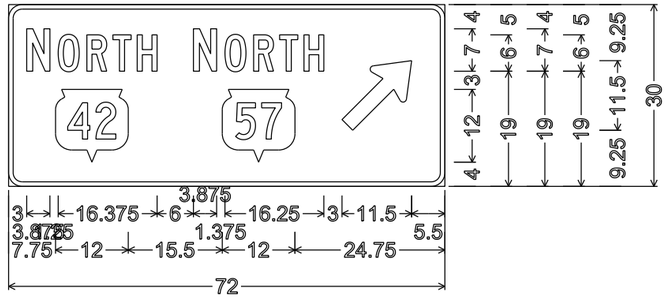
D1-3; 2.250" Radius, 0.750" Border



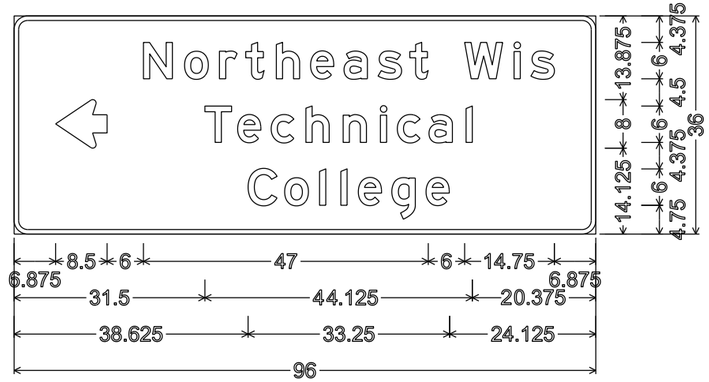
D1-3; 2.250" Radius, 0.750" Border
"Vehicle" D; "Registration" D; "Driver" D; "Licensing" D;

NOTES

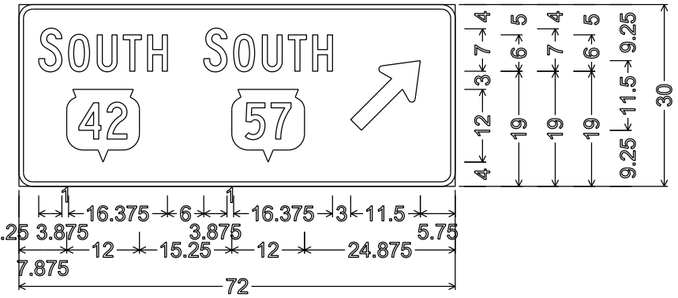
1. All Signs Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E except as Shown



D1-2; 2.250" Radius, 0.750" Border
"NORTH" C; "NORTH" C;



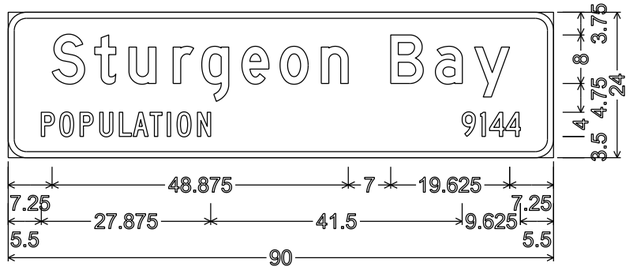
D1-3; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border
"SOUTH" C; "SOUTH" C;

D1-2; 2.250" Radius, 0.750" Border

D1-1; 2.250" Radius, 0.750" Border



I2-3; 3.000" Radius, 1.000" Border
"Sturgeon" D; "Bay" D;
"POPULATION" C 125% spacing; "9144" C;

D1-2; 2.250" Radius, 0.750" Border

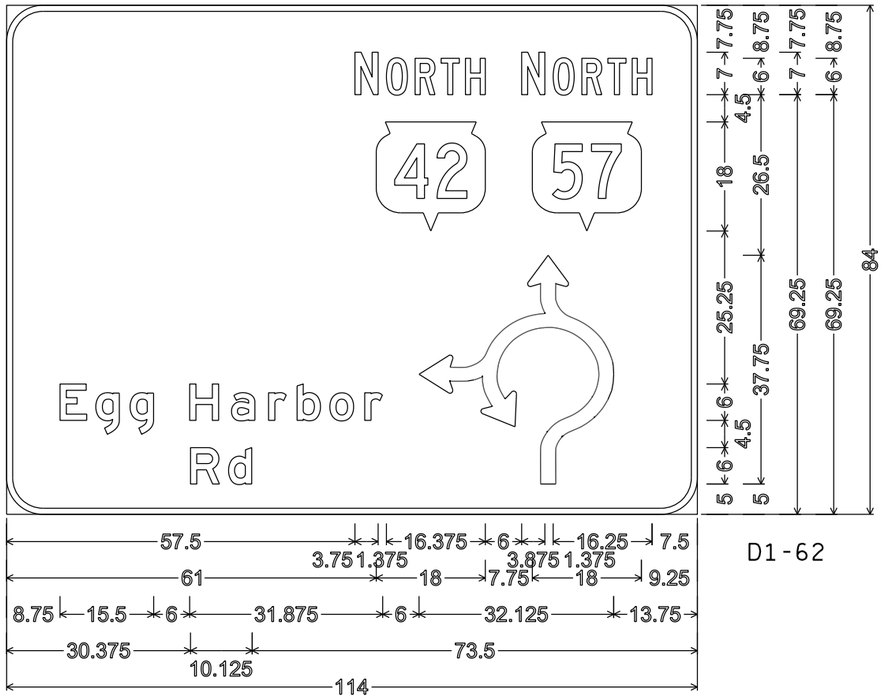
7

7

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN DETAILS	SHEET NO: 273	E

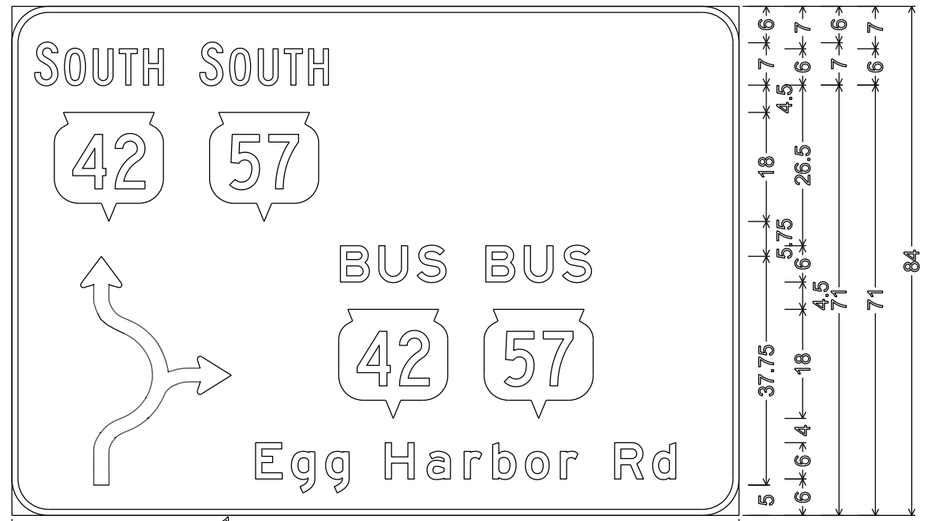
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E except as Shown



D1-62

6.000" Radius, 1.000" Border
"NORTH" C; "NORTH" C;



D1-62

6.000" Radius, 1.000" Border
"SOUTH" C; "SOUTH" C;

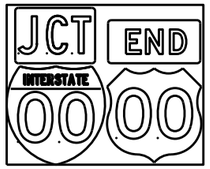
7

7

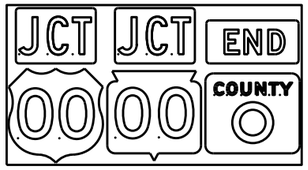
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	SIGN DETAILS	SHEET NO: 274	E

TYPICAL ASSEMBLIES

J1-1

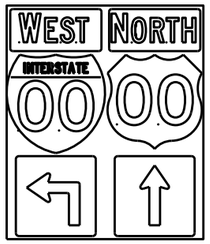


J1-2

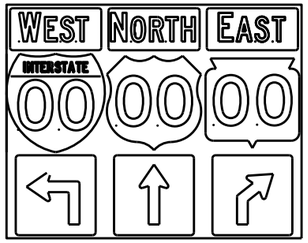


J1-3

J2-1



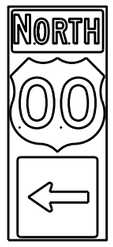
J2-2



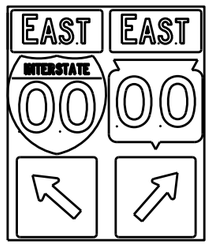
J2-3

JV

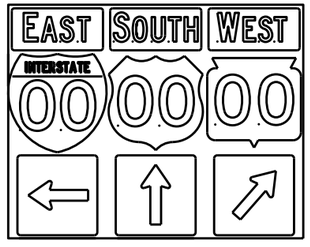
(Typical Vertical J-Assembly
See Note 10 and 11)



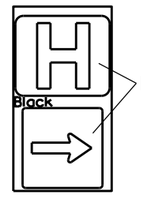
J3-1



J3-2



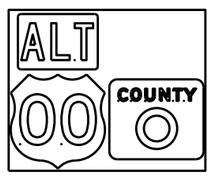
J3-3



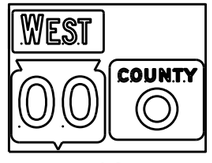
Blue Background

JH-1

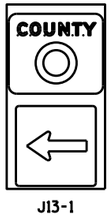
J4-1



J4-2



J4-2



J13-1

J12-1

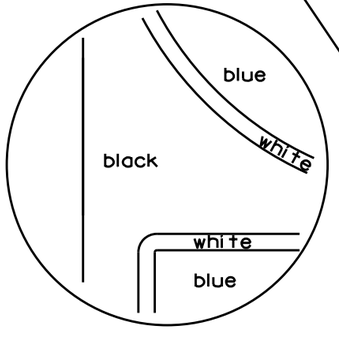
J32-1

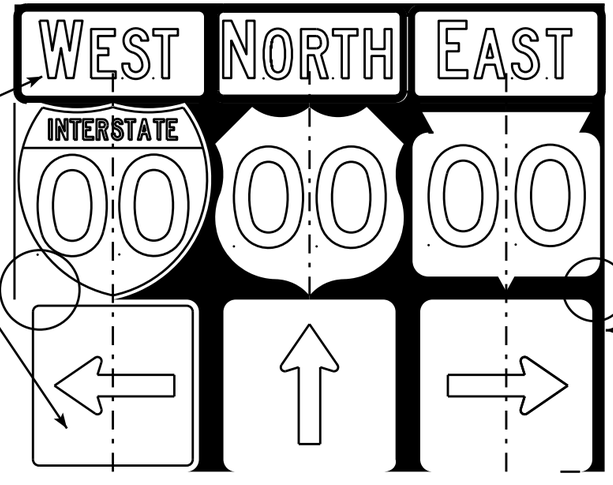
J33-1

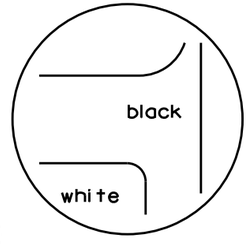
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

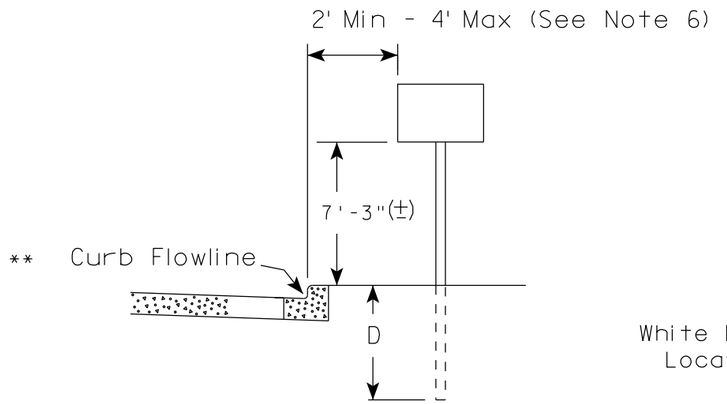
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: SHEET NO: E

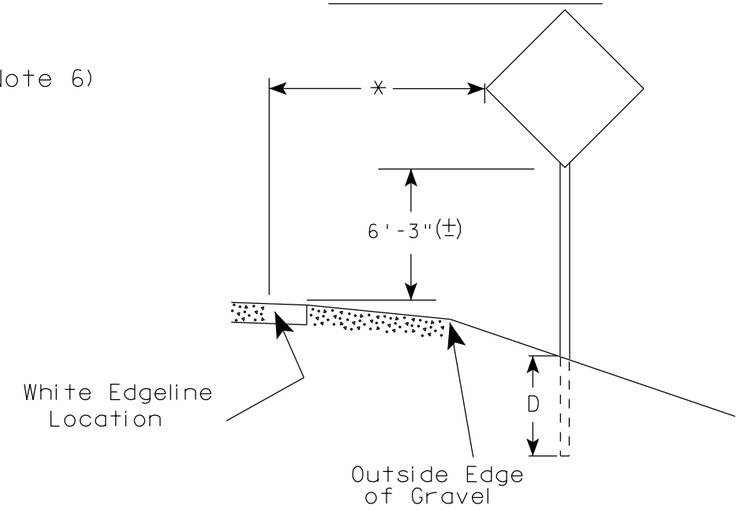
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

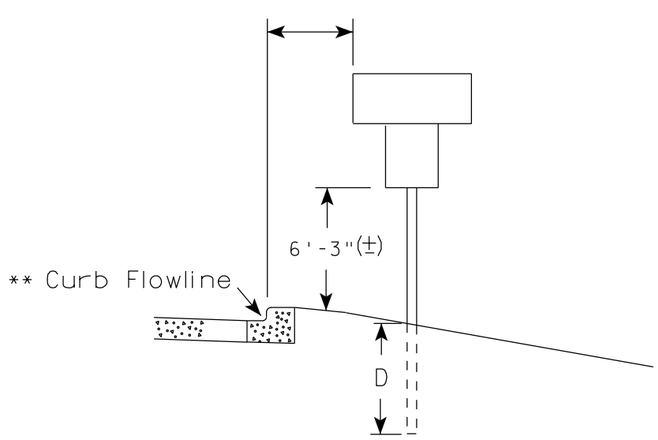
WISDOT/CADDS SHEET 42

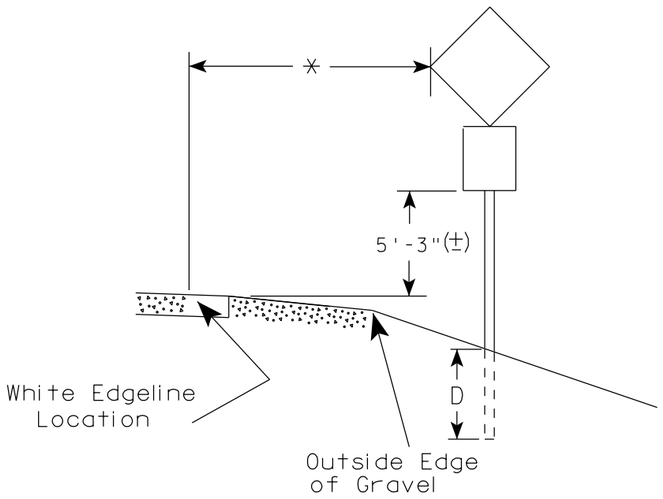
URBAN AREA



RURAL AREA (See Note 2)







GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

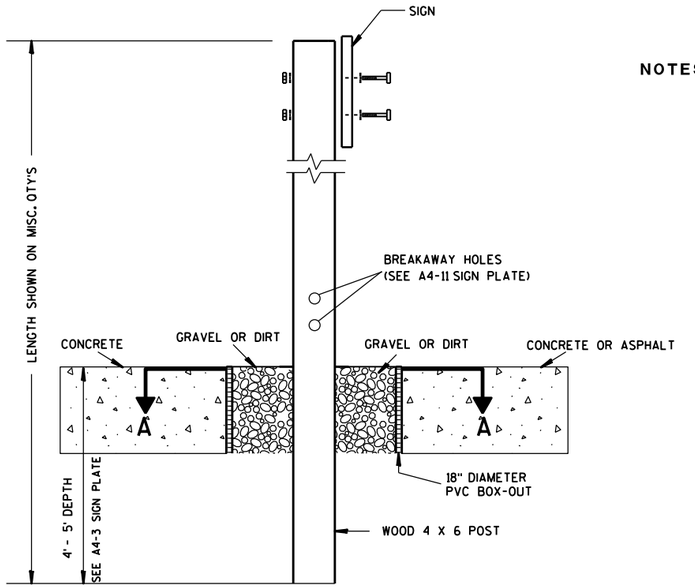
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

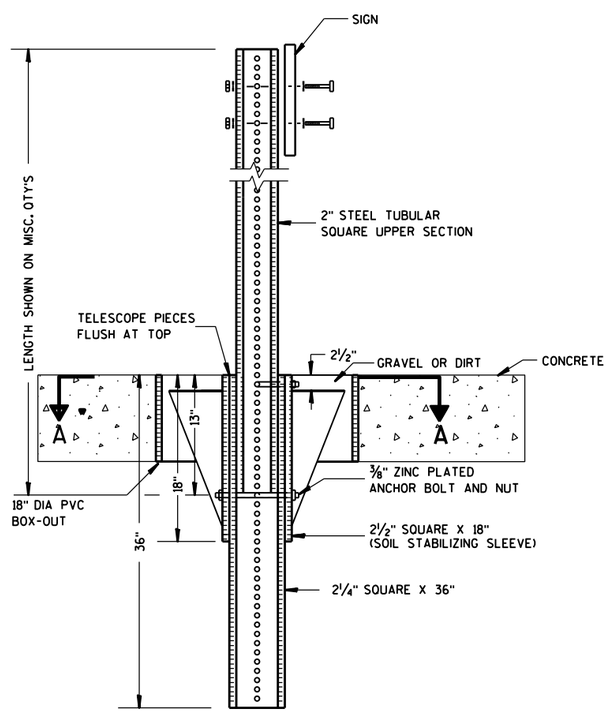
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

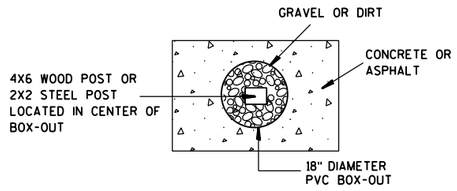
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

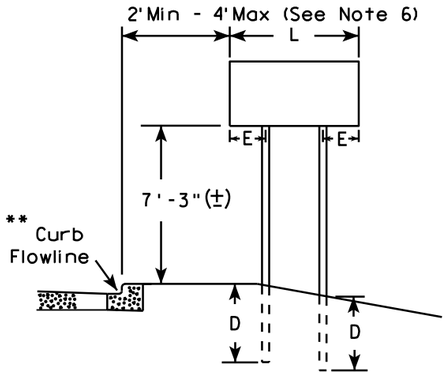
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

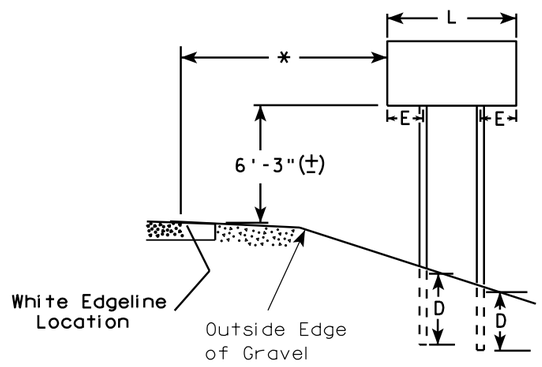
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

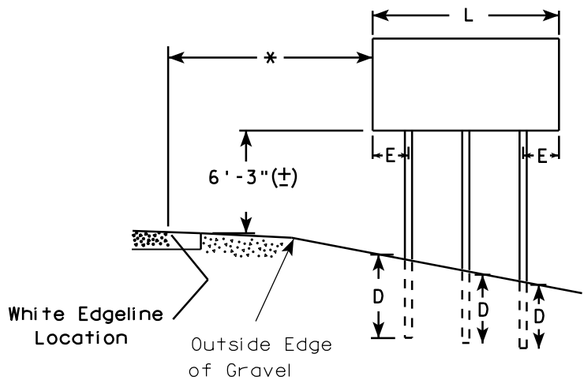
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

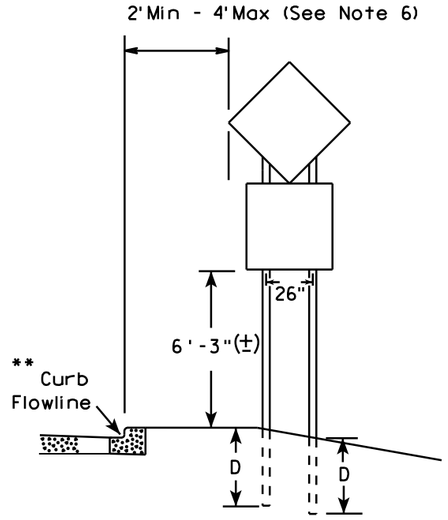
URBAN AREA



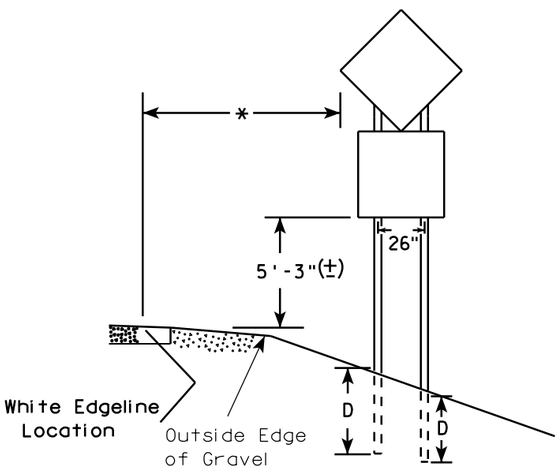
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

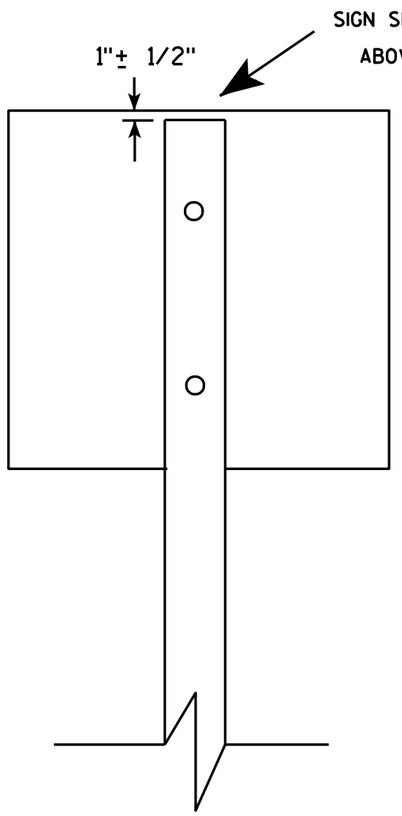
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

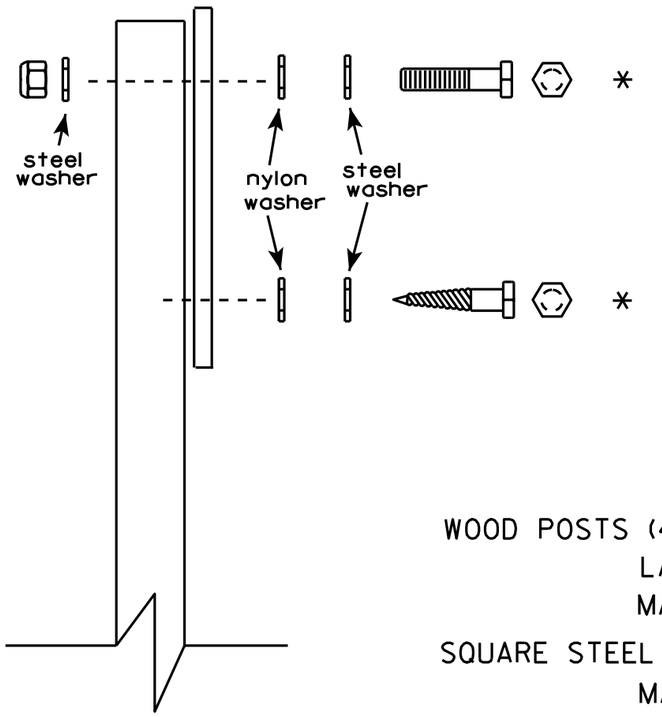
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 278 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

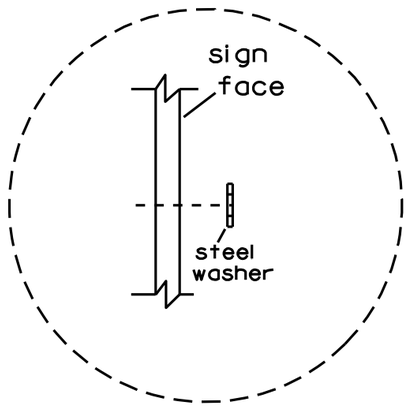
a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

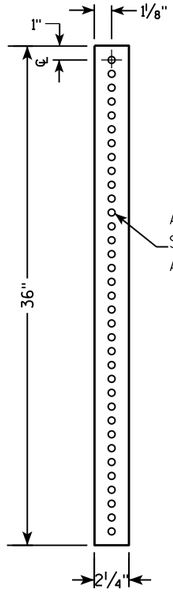
7

PROJECT NO:

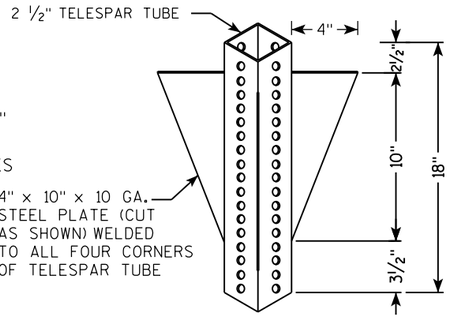
SHEET NO: 279 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

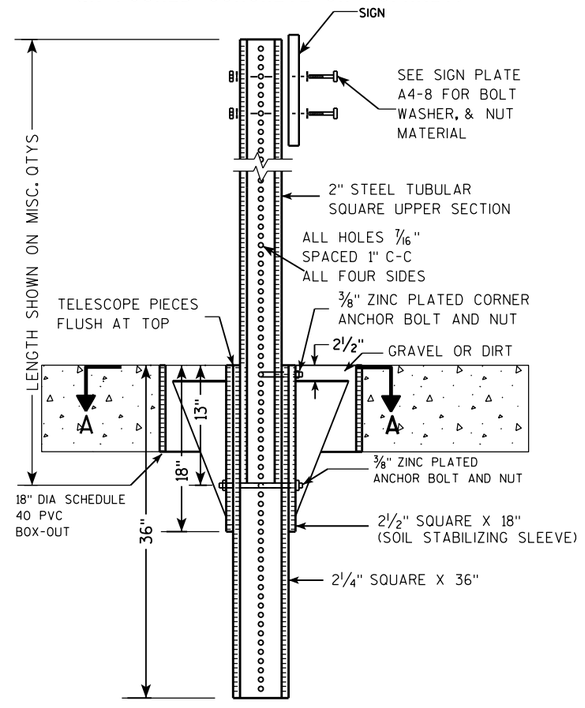
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



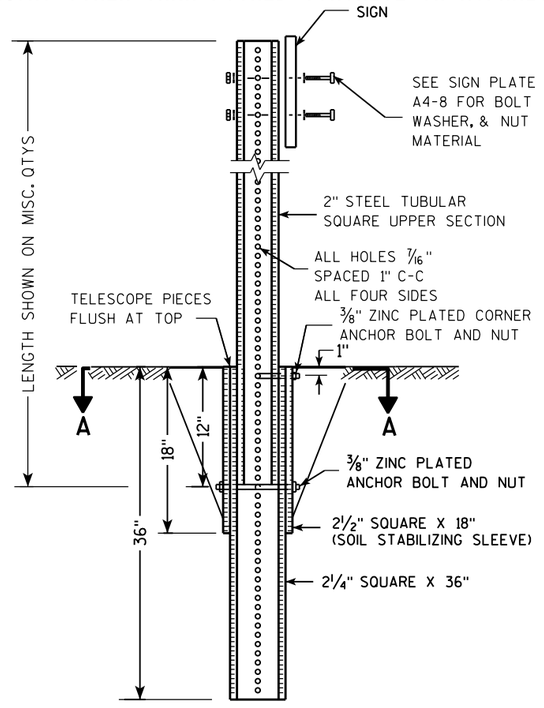
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

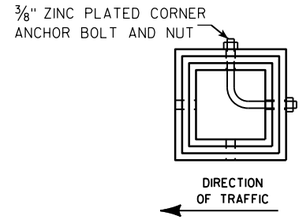


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

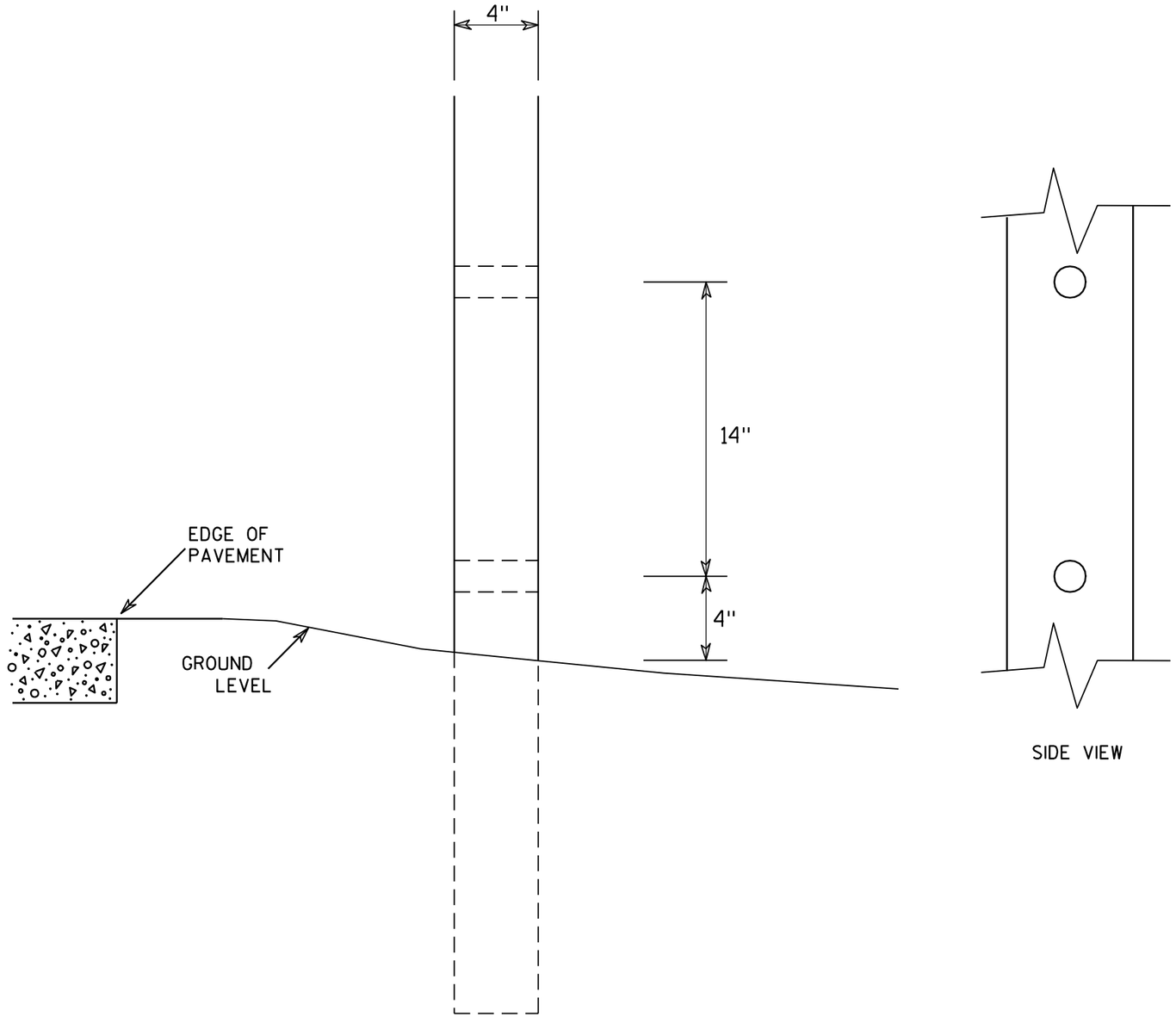
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 280 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

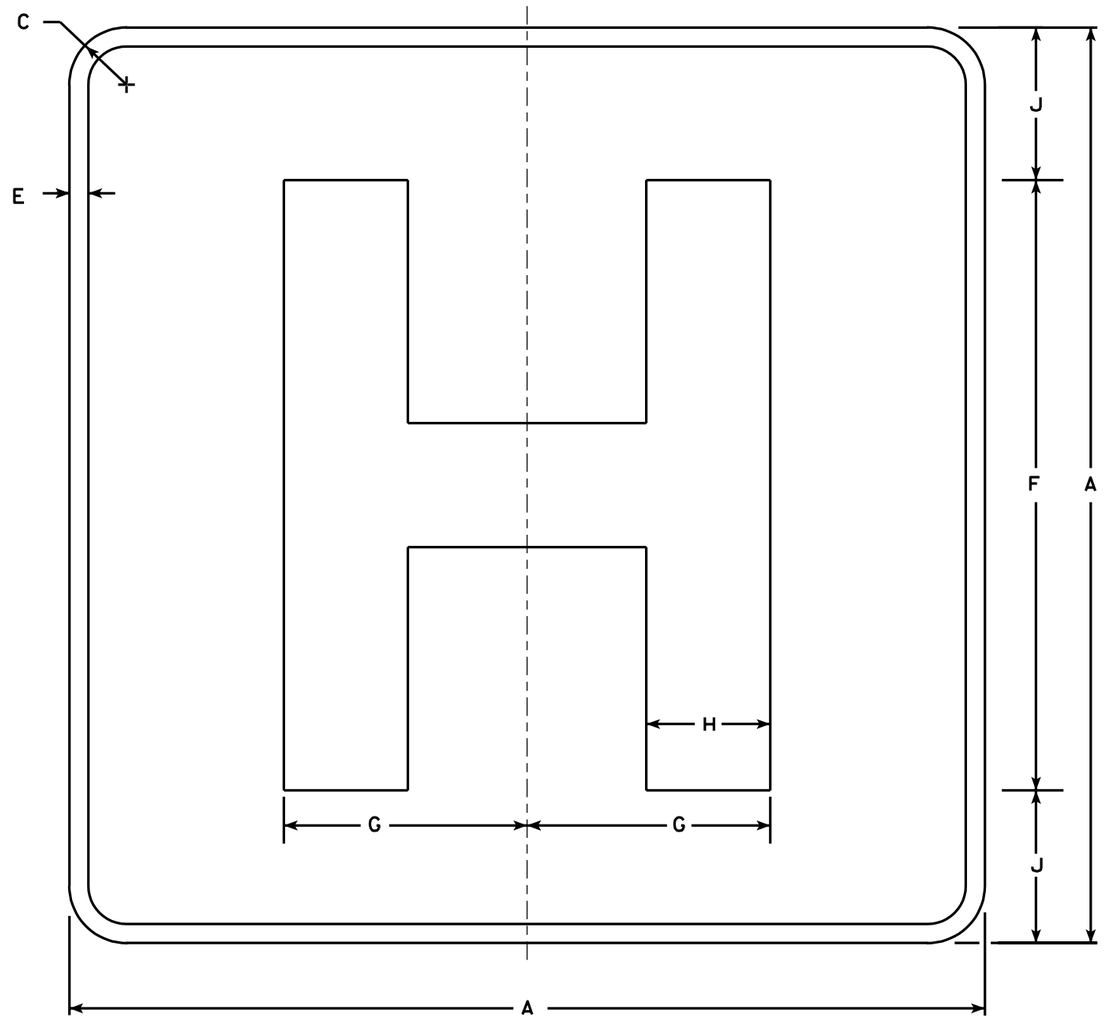
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 281	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

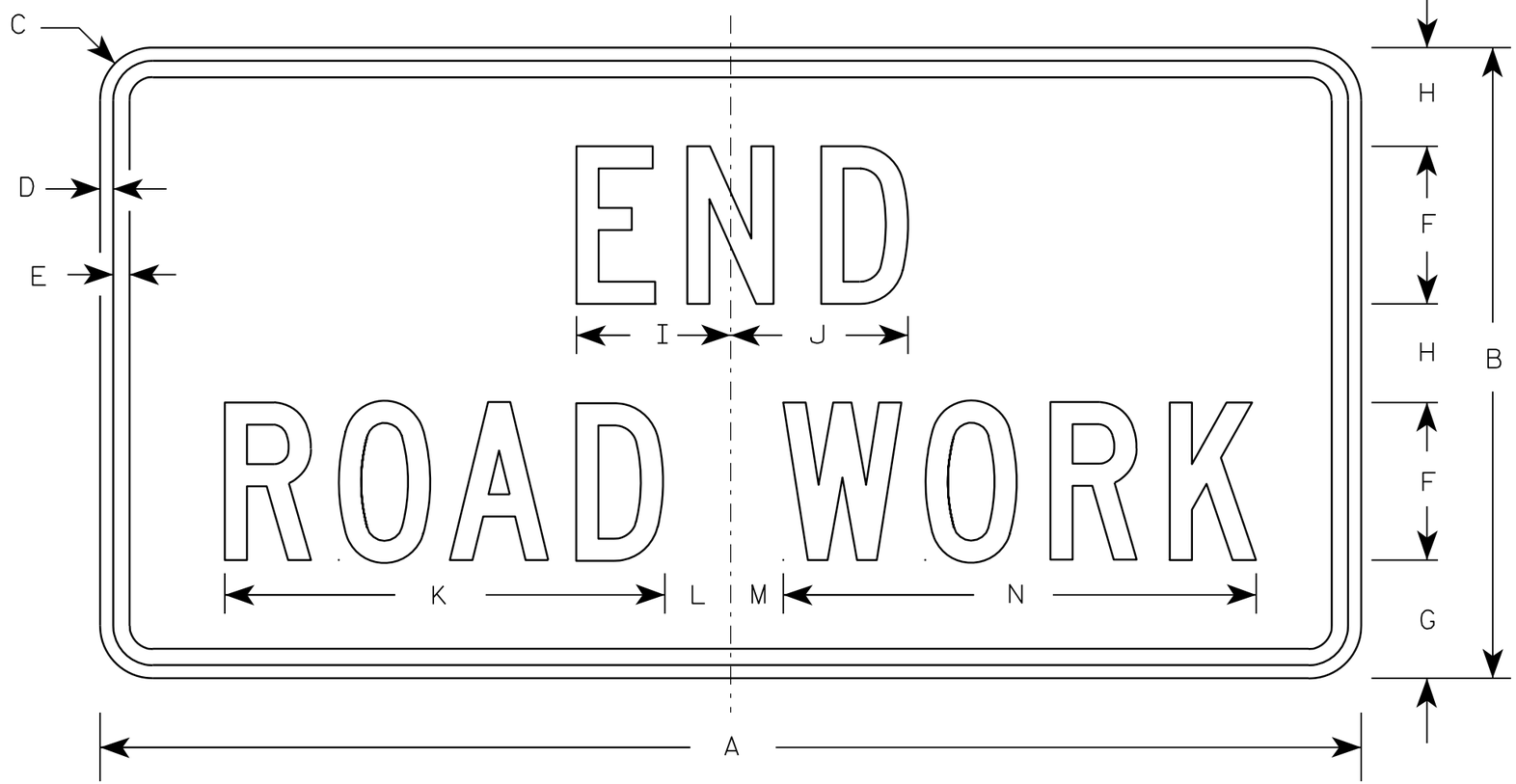
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 282 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

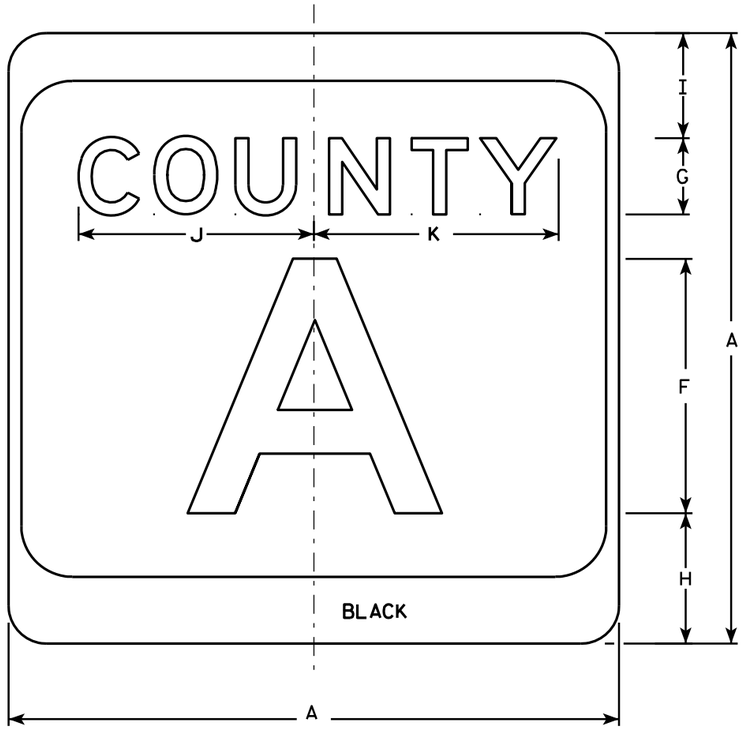
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

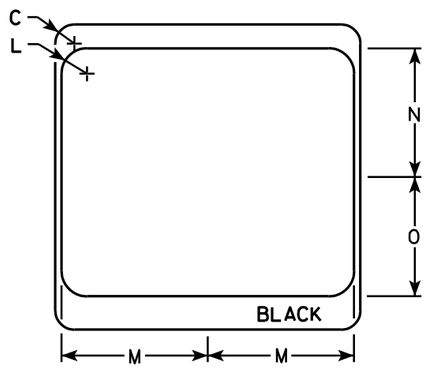
APPROVED Matthew R Rauch
for State Traffic Engineer

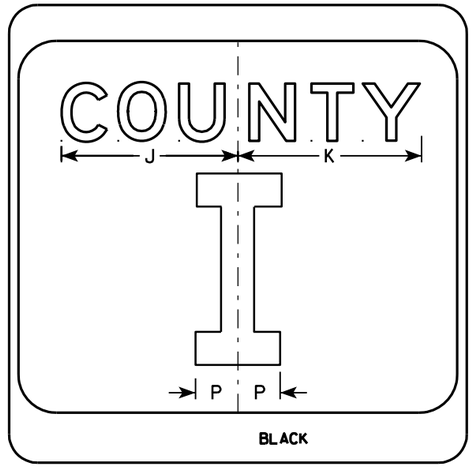
DATE 9/30/09 PLATE NO. G20-2A.8

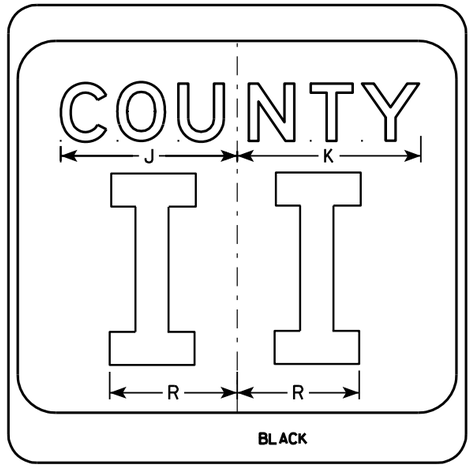
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

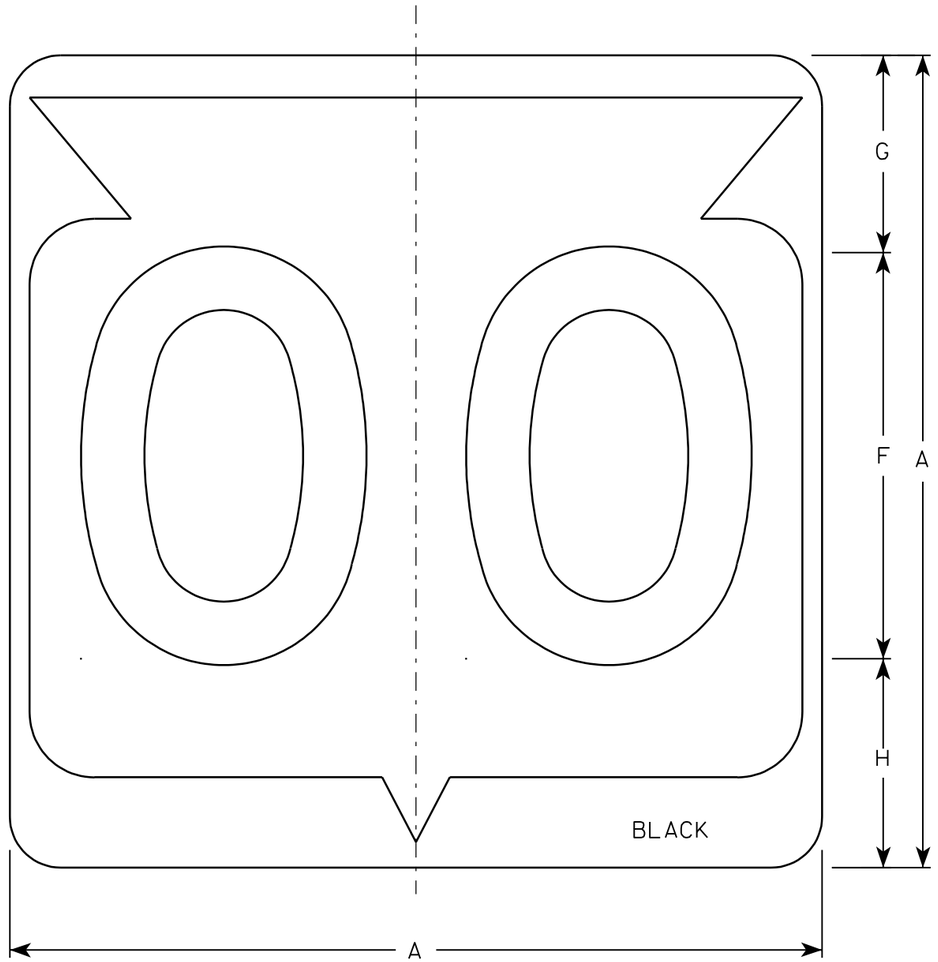
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

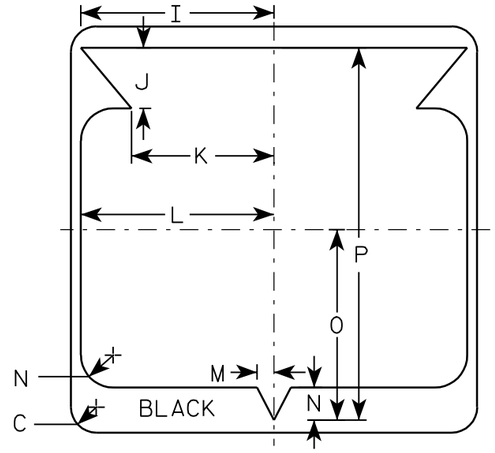
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 284	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 285	E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Graphics - White
   Circle Tour Message is Green
3. Message Series - Special
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24			1 1/8	1/2																						4.0	.36
3																												
4	36			1 5/8	3/4																						9.0	.81
5																												

STANDARD SIGN
M1-93

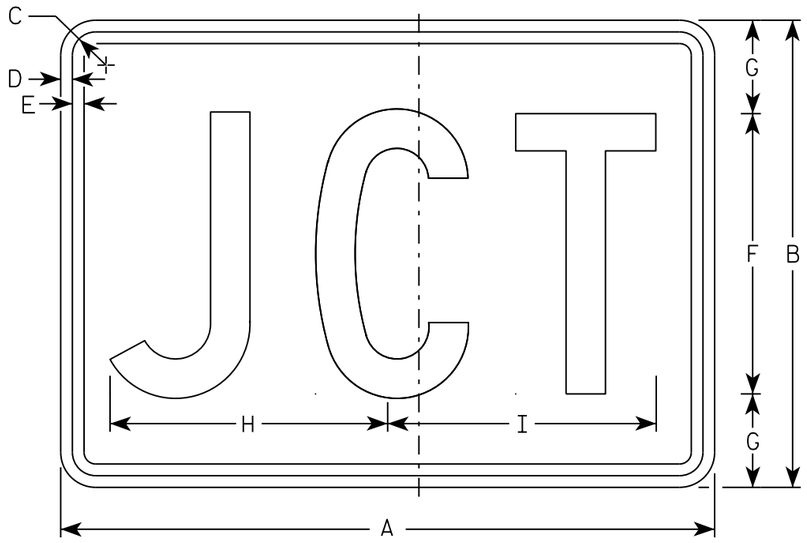
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

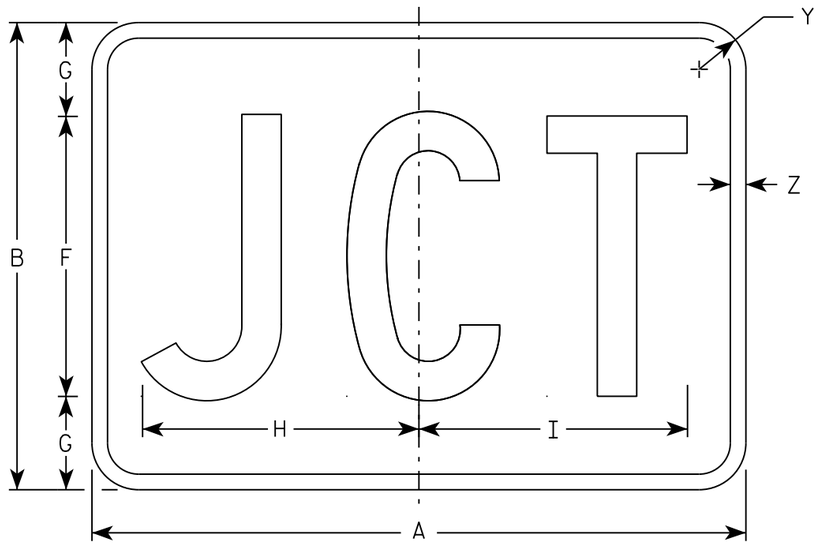
DATE 11/5/15 PLATE NO. M1-93.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M193.DGN PLOT DATE : 01-DEC-2015 18:00 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

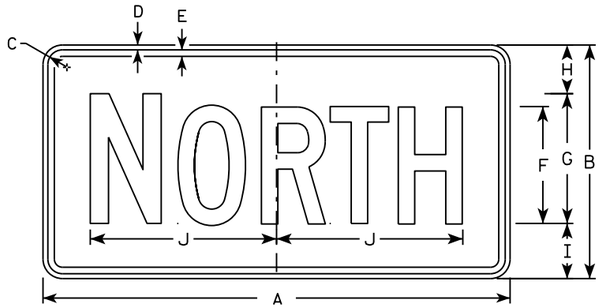
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

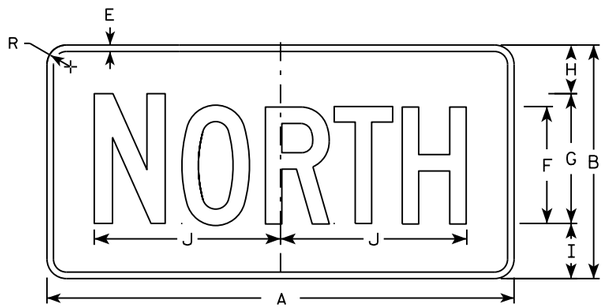
DATE 10/15/15 PLATE 287 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



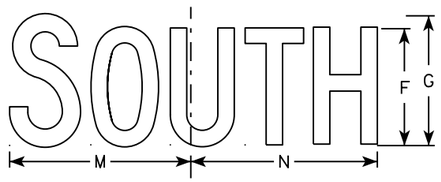
M3-1
MM3-1
MP3-1



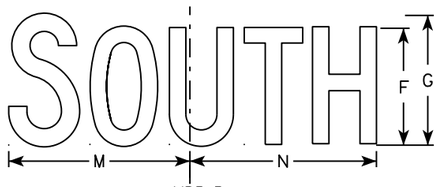
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

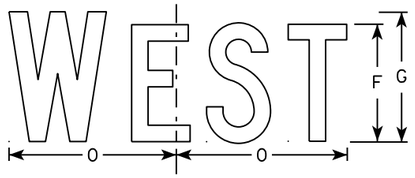
MB3-2
MK3-2
MN3-2



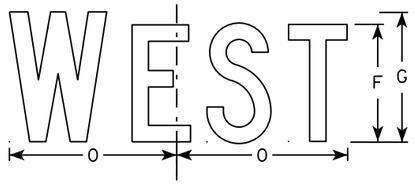
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

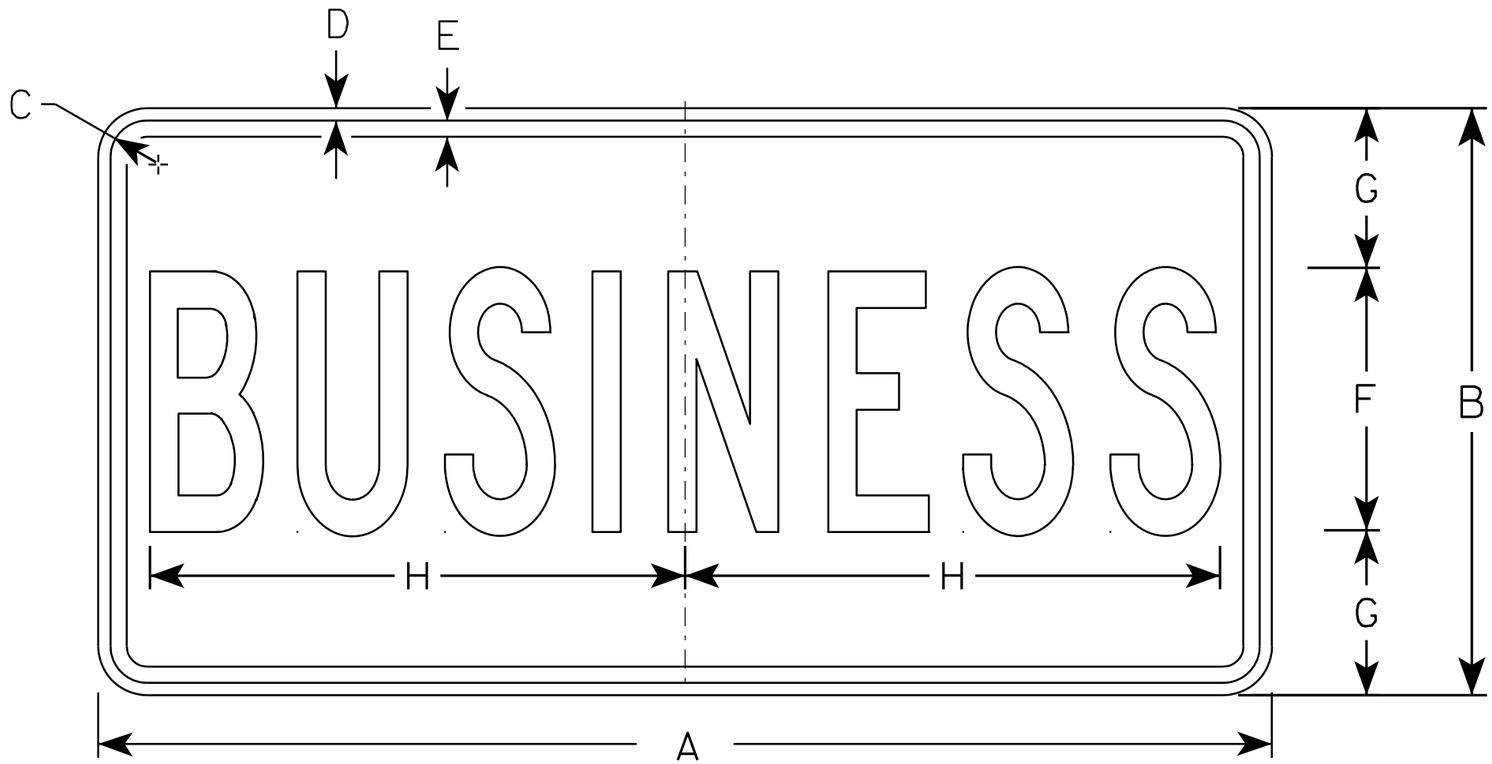
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-3

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/8	3/8	1/2	8	5	16 3/8																			4.5
4																											
5																											

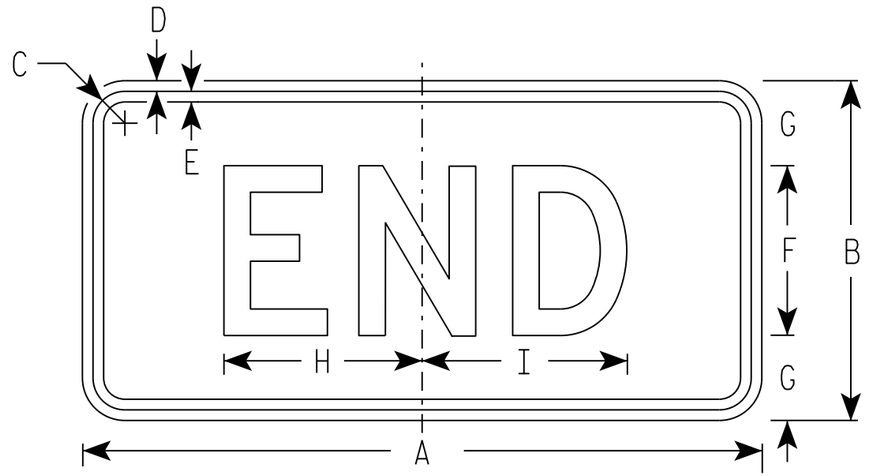
STANDARD SIGN
M4-3

WISCONSIN DEPT OF TRANSPORTATION

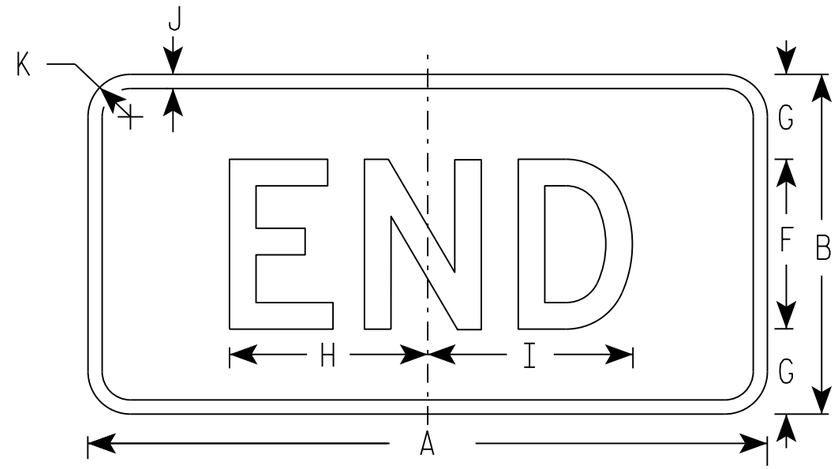
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-3.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

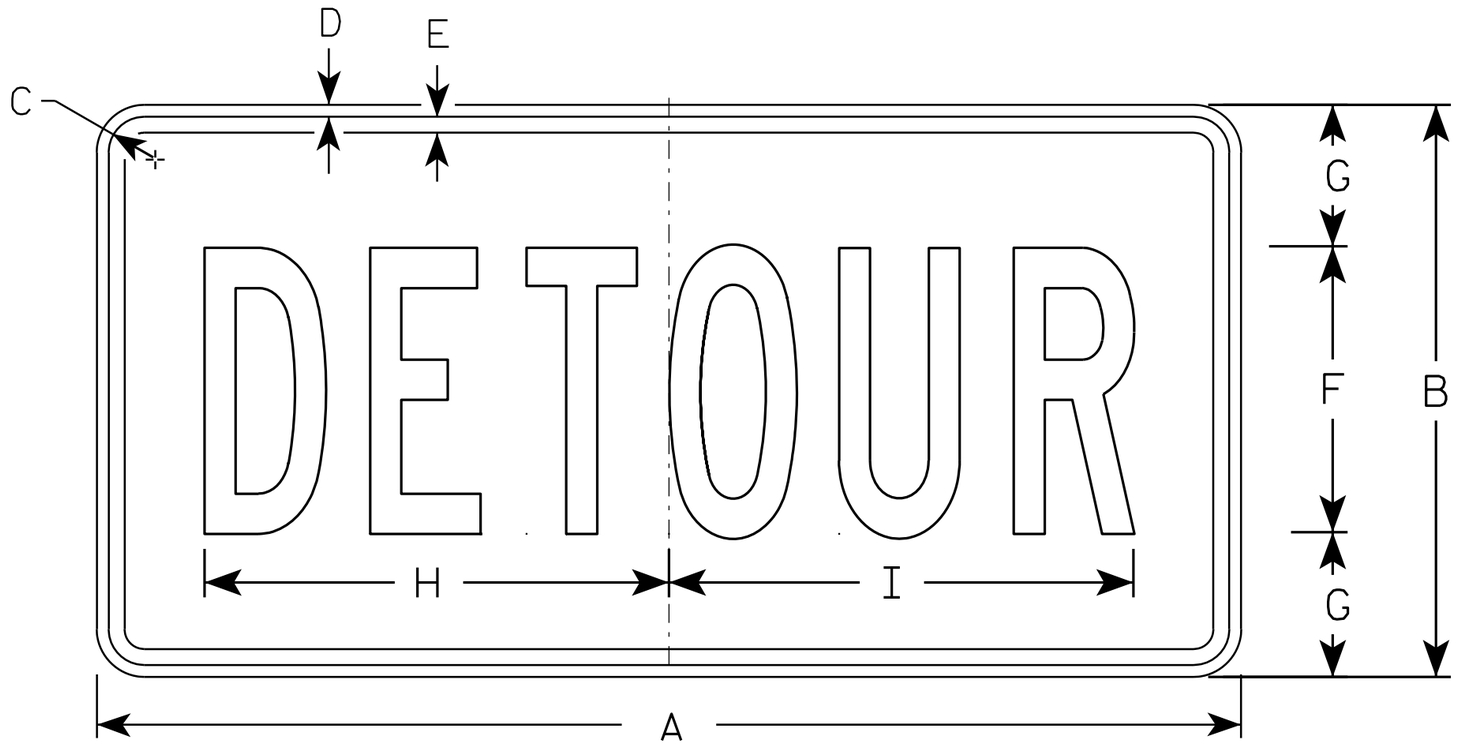
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 290 '14-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

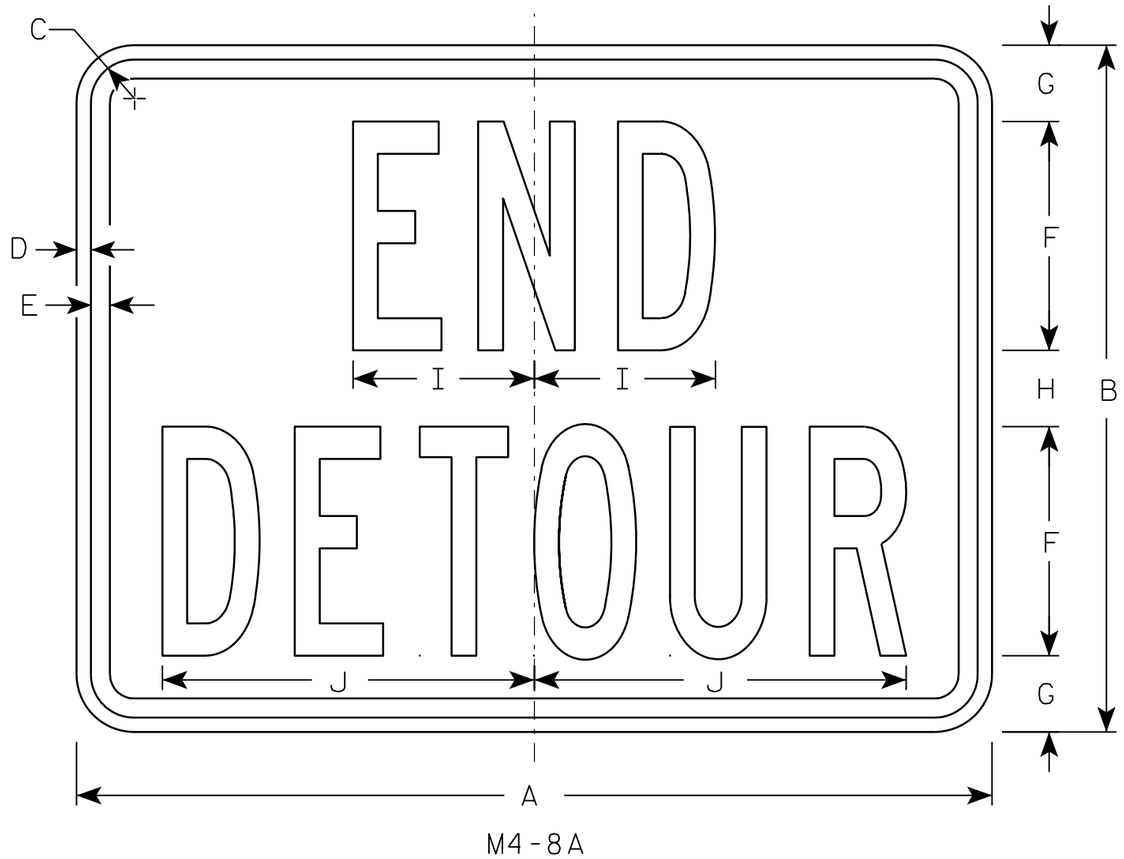
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

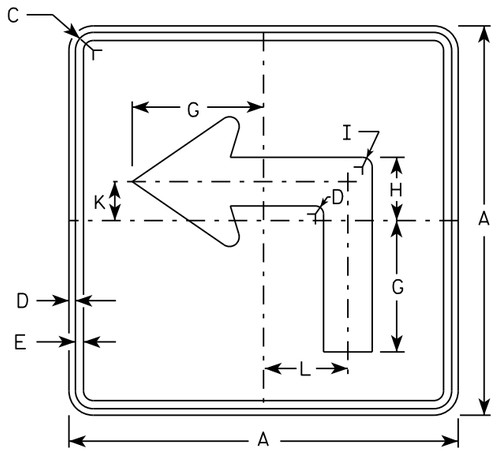
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

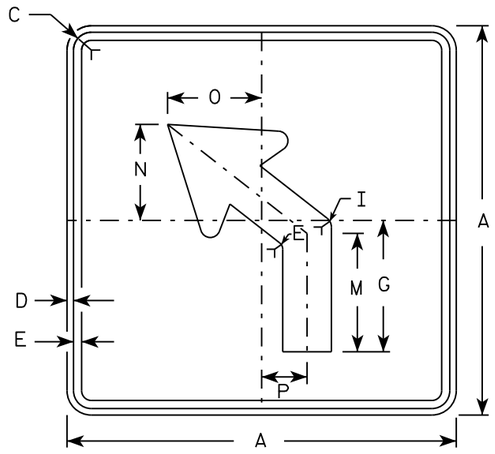
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

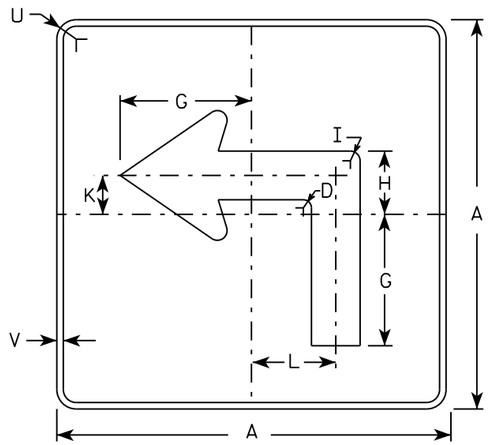
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E



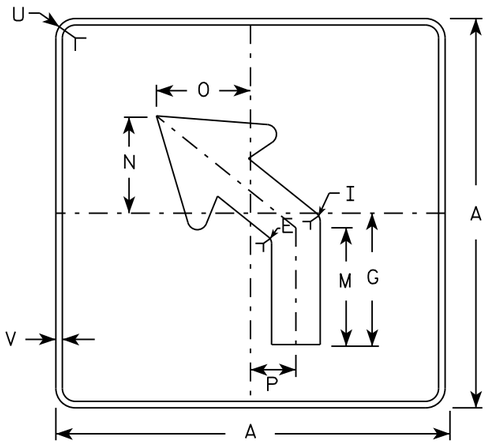
M5-1L
MM5-1L
MO5-1L
MP5-1L



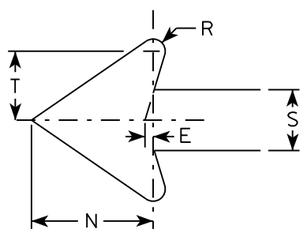
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

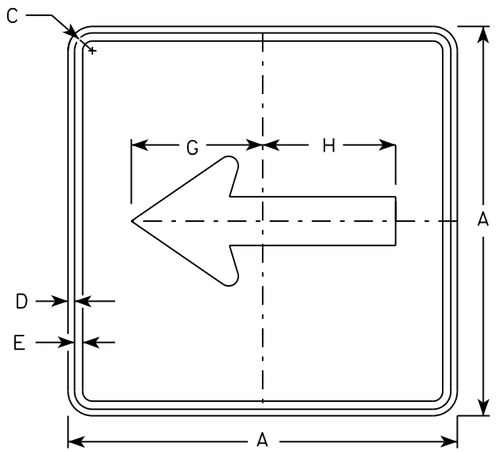
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

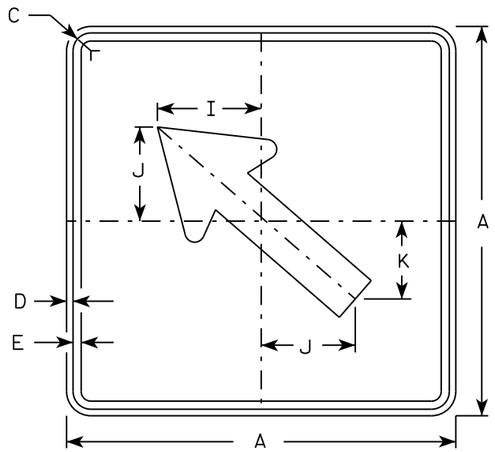
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



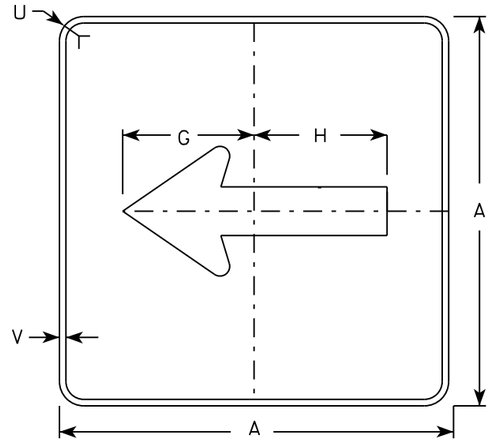
M6-1
MM6-1
MO6-1
MP6-1



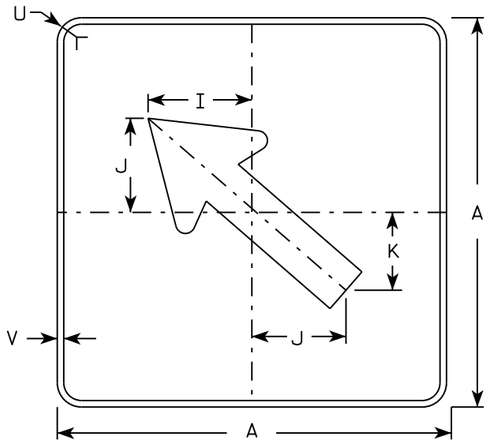
M6-2
MM6-2
MO6-2
MP6-2

NOTES

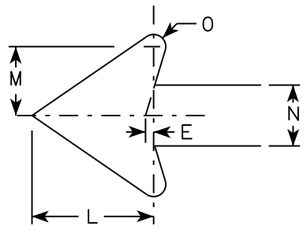
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

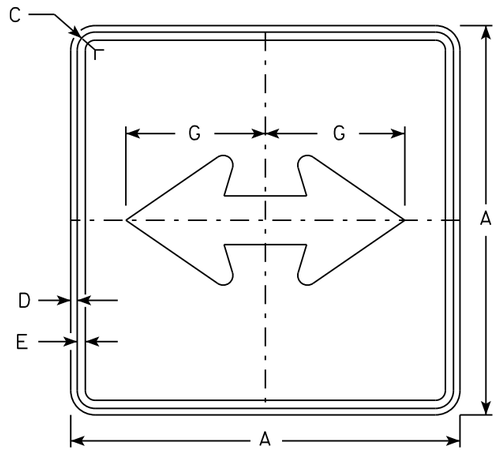
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

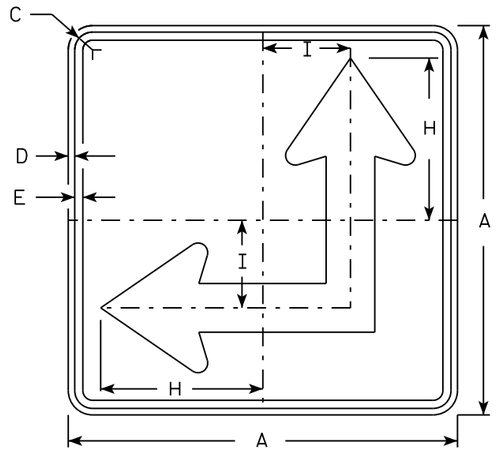
DATE 10/15/15 PLATI 294 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



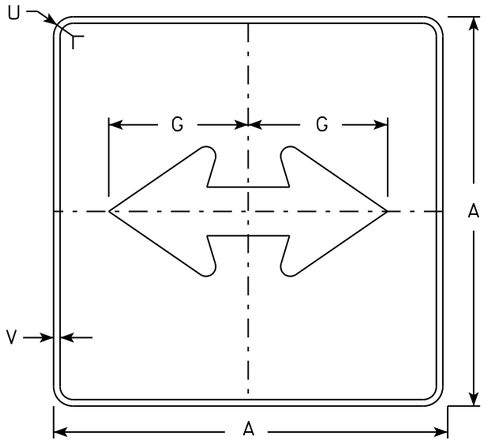
M6-4
MM6-4
MO6-4
MP6-4



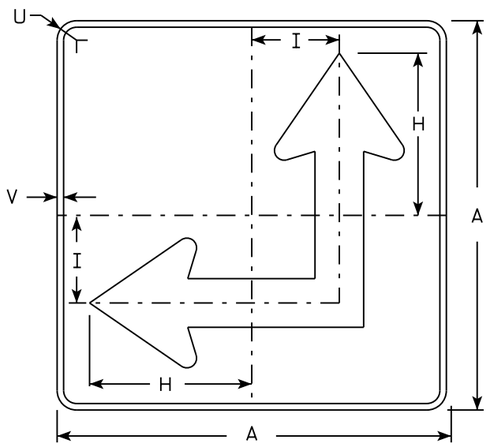
M6-6
MM6-6
MO6-6
MP6-6

NOTES

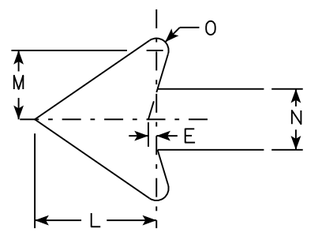
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

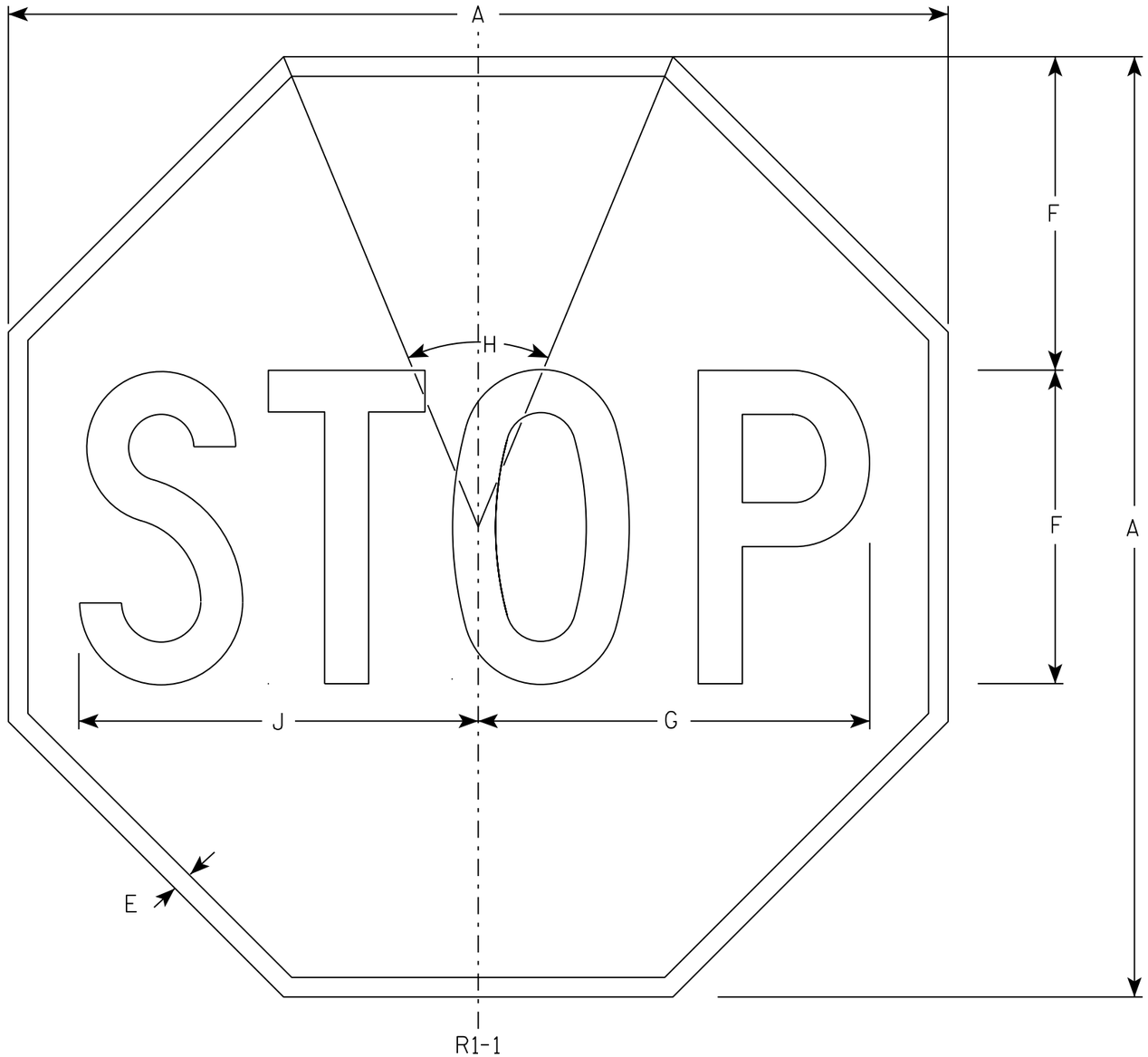
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 295 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

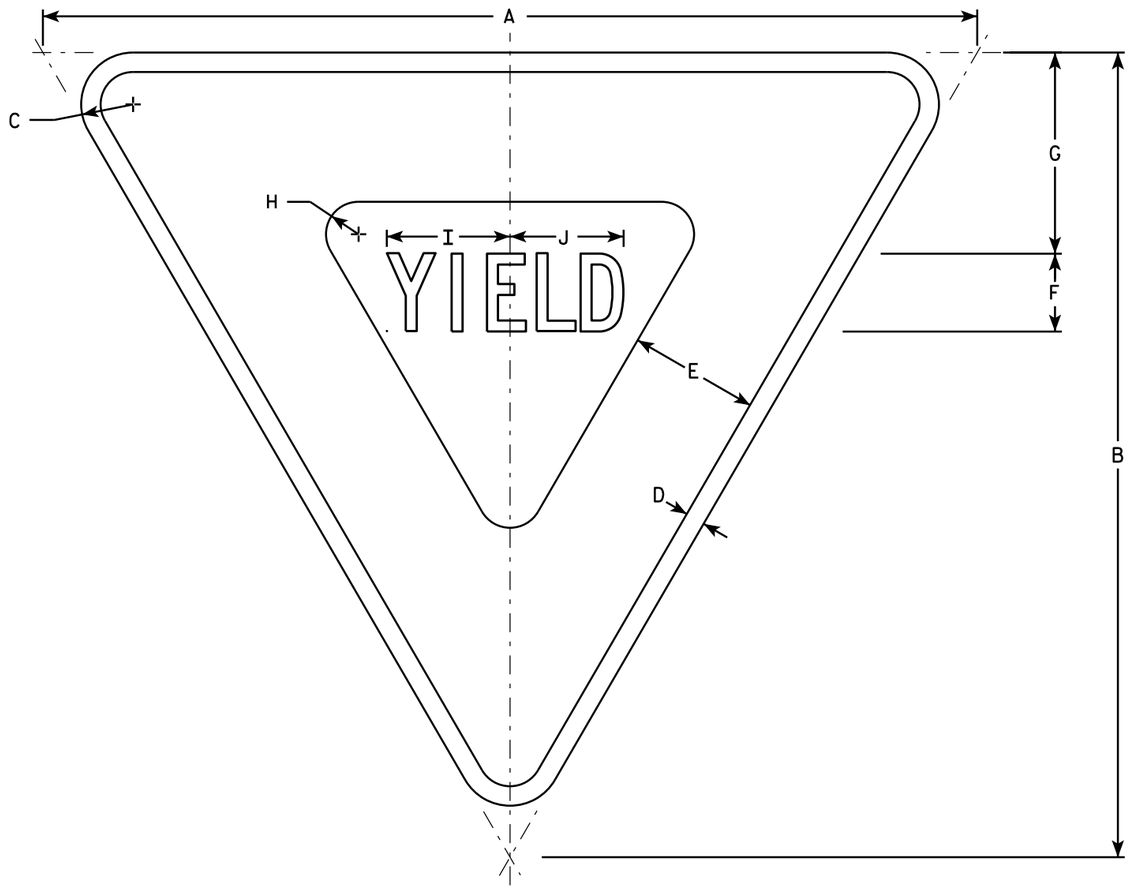
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

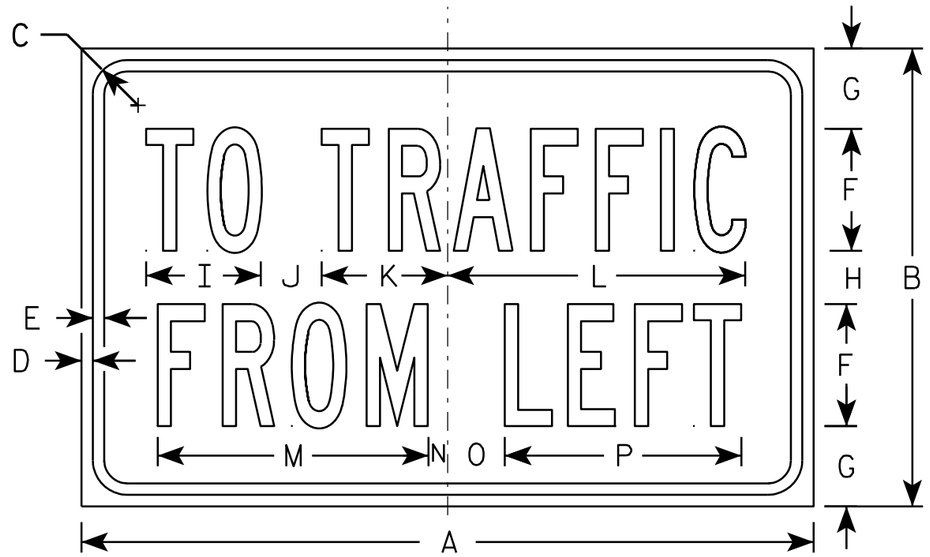
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R1-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

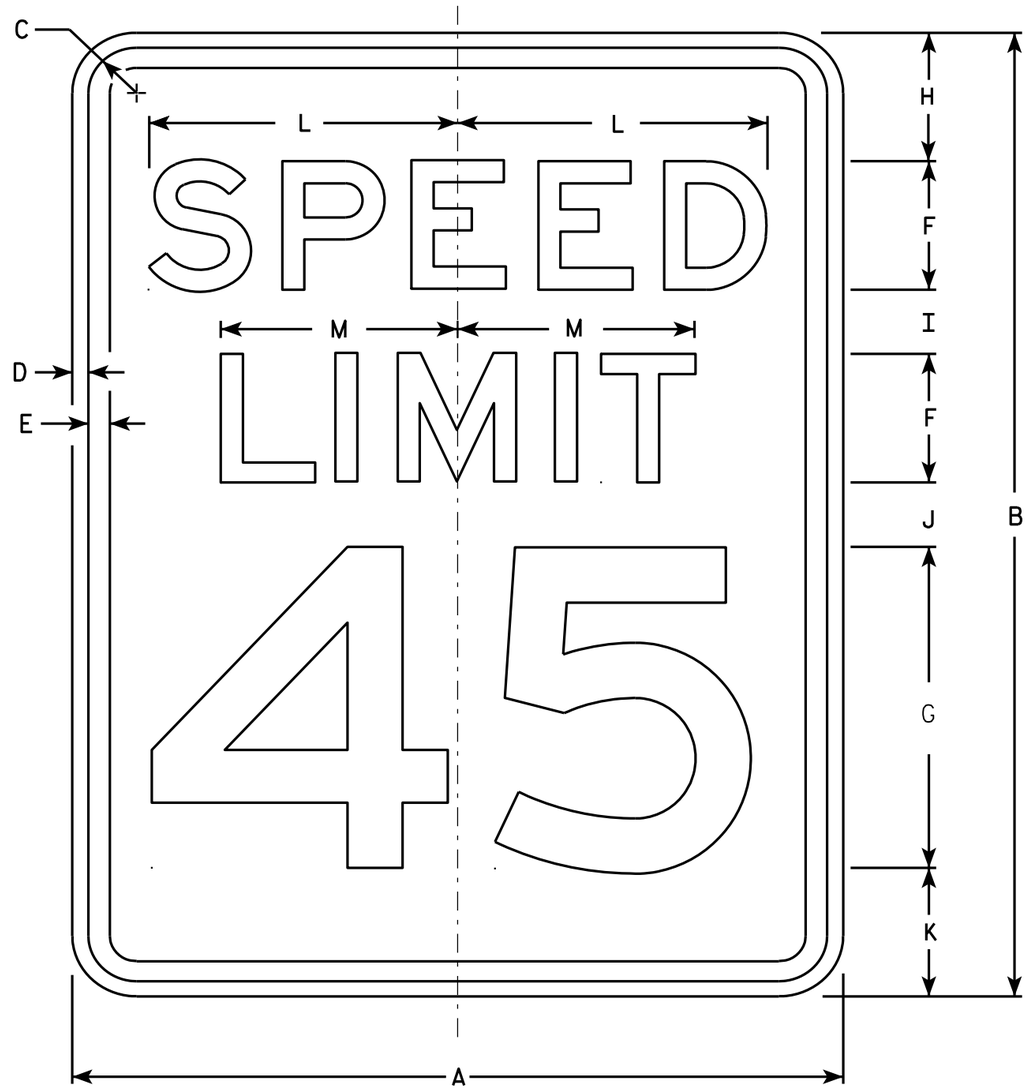
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

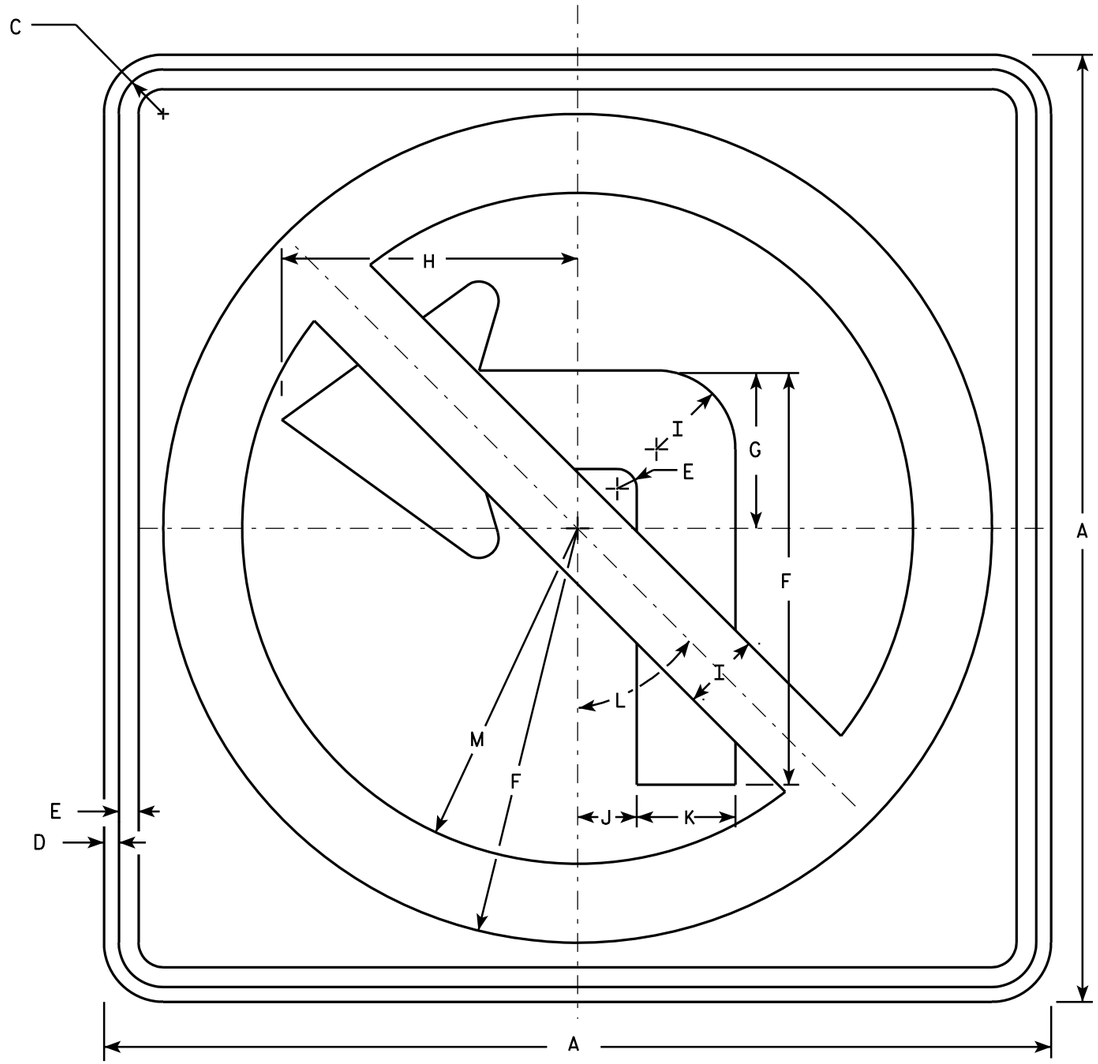
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

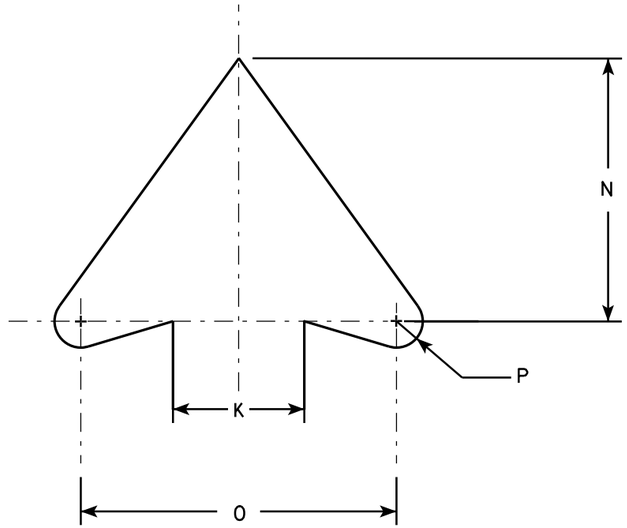
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

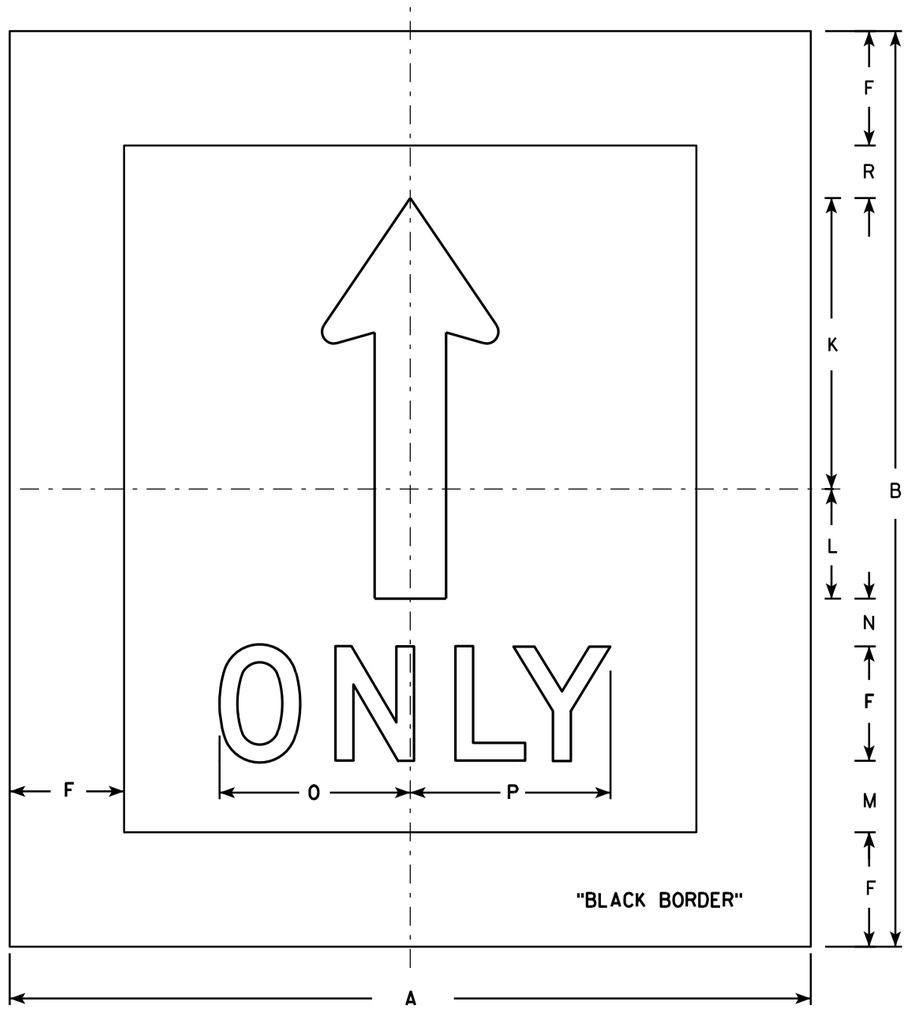
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

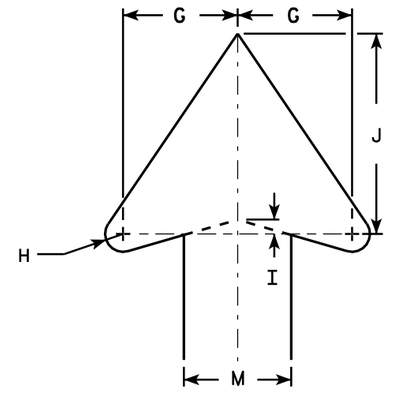
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E



R3-5A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
2M	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
3																											
4																											
5																											

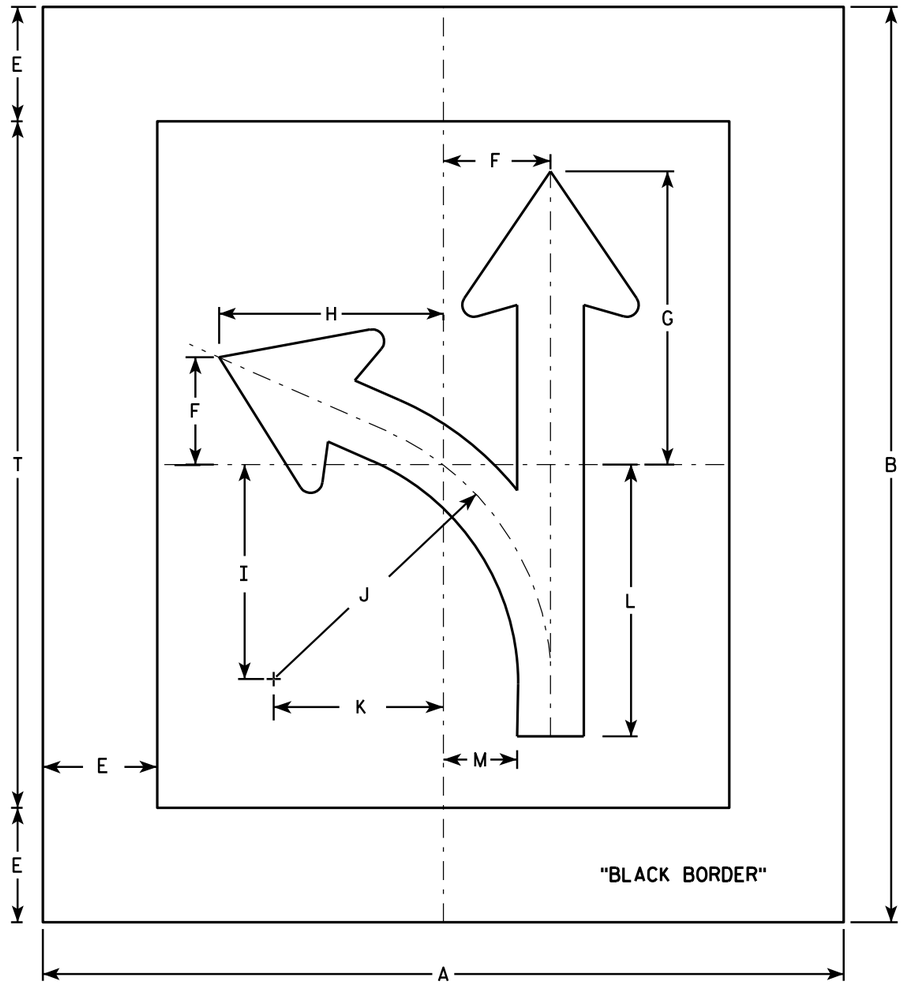
STANDARD SIGN
R3-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5A.5

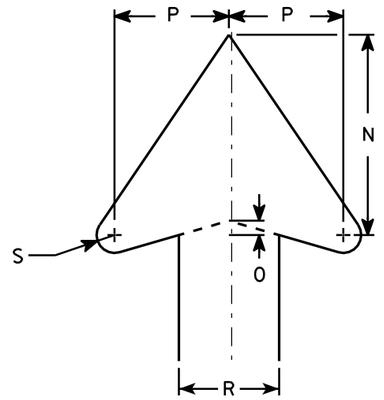
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E



R3-6L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

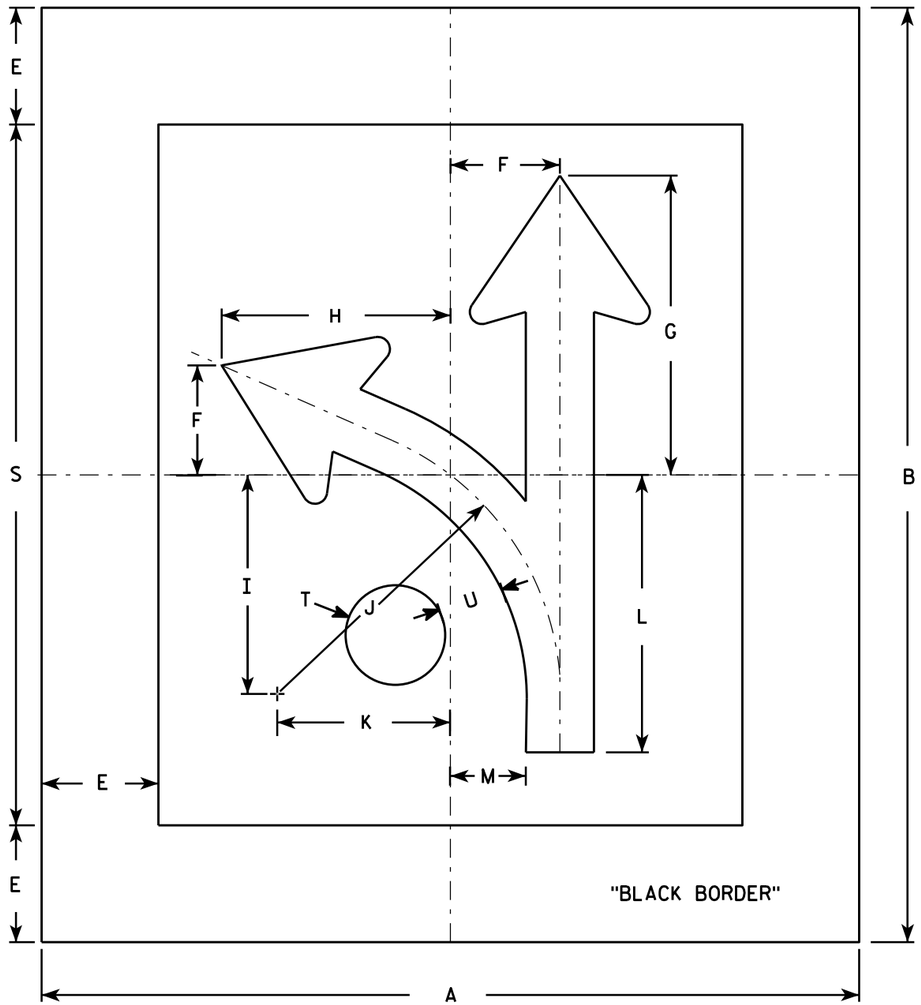
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

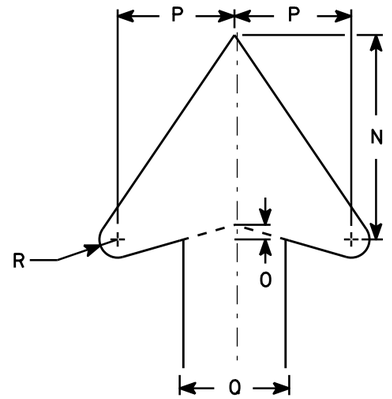
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
4. The 6" border is non-reflective black.



R3-6X



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
3																											
4																											
5																											

STANDARD SIGN
R3-6X

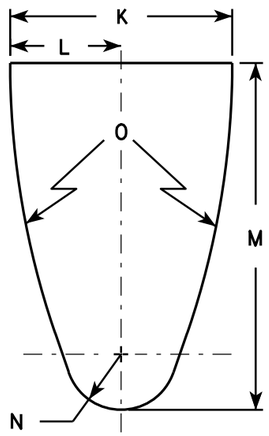
WISCONSIN DEPT OF TRANSPORTATION

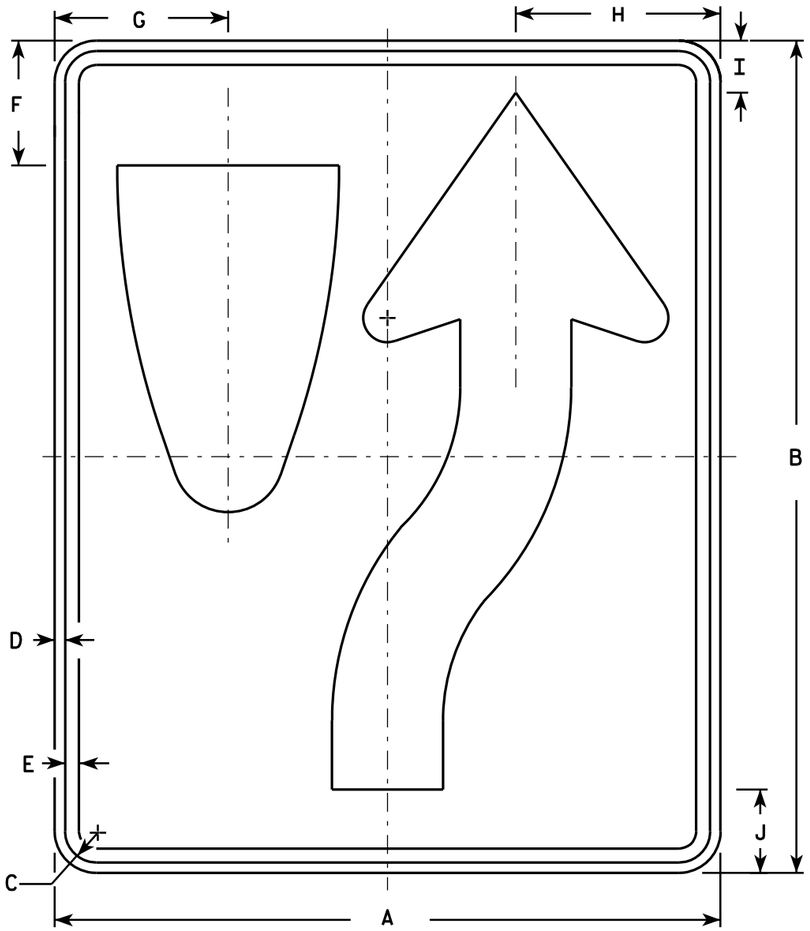
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE R3-6X.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R36X.DGN PLOT DATE : 05-FEB-2015 14:49 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000 WISDOT/CADDS SHEET 42

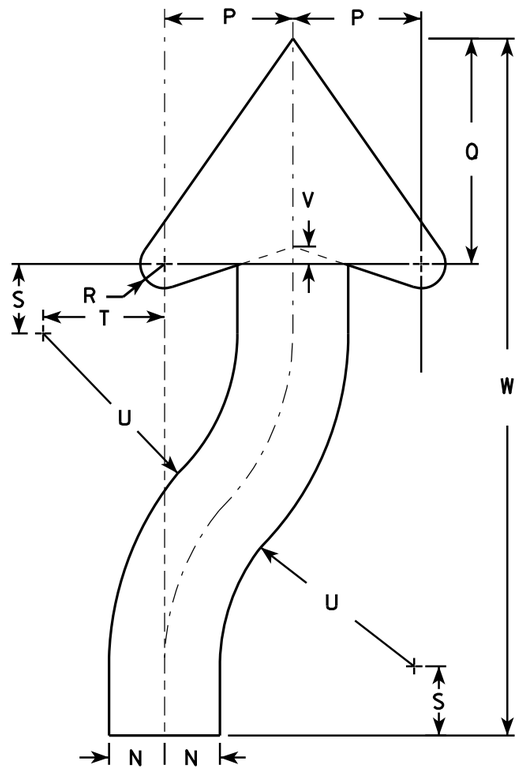




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

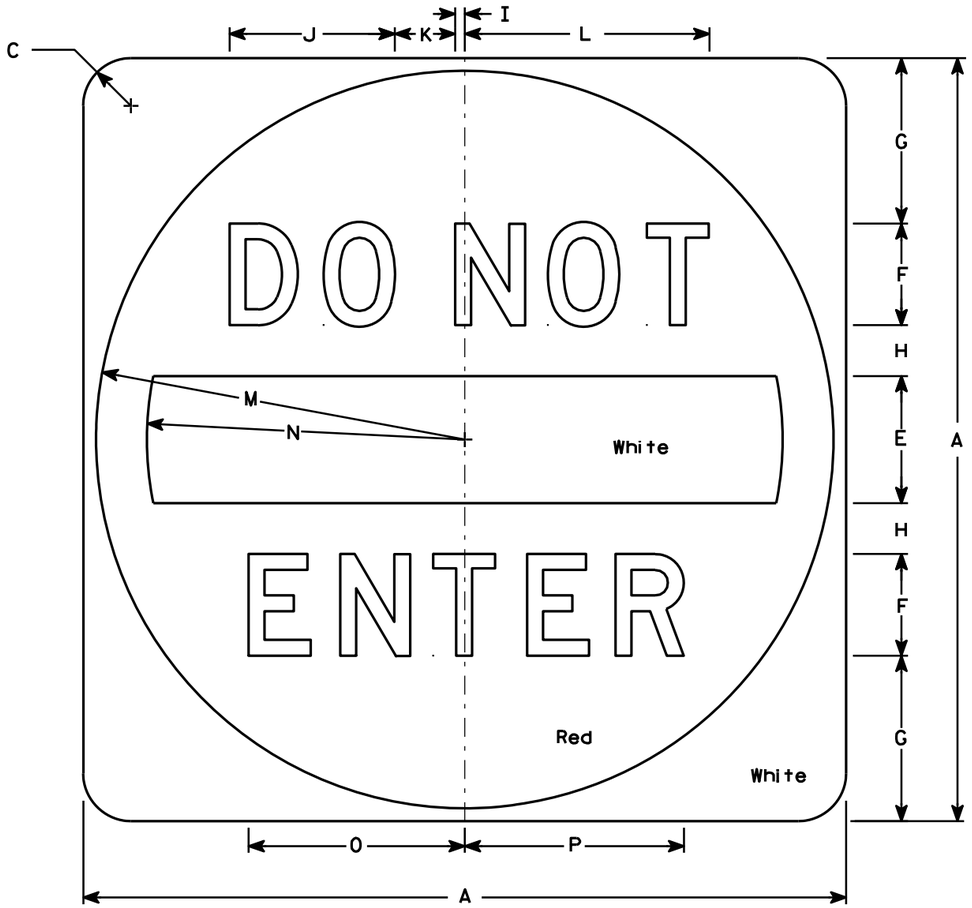
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

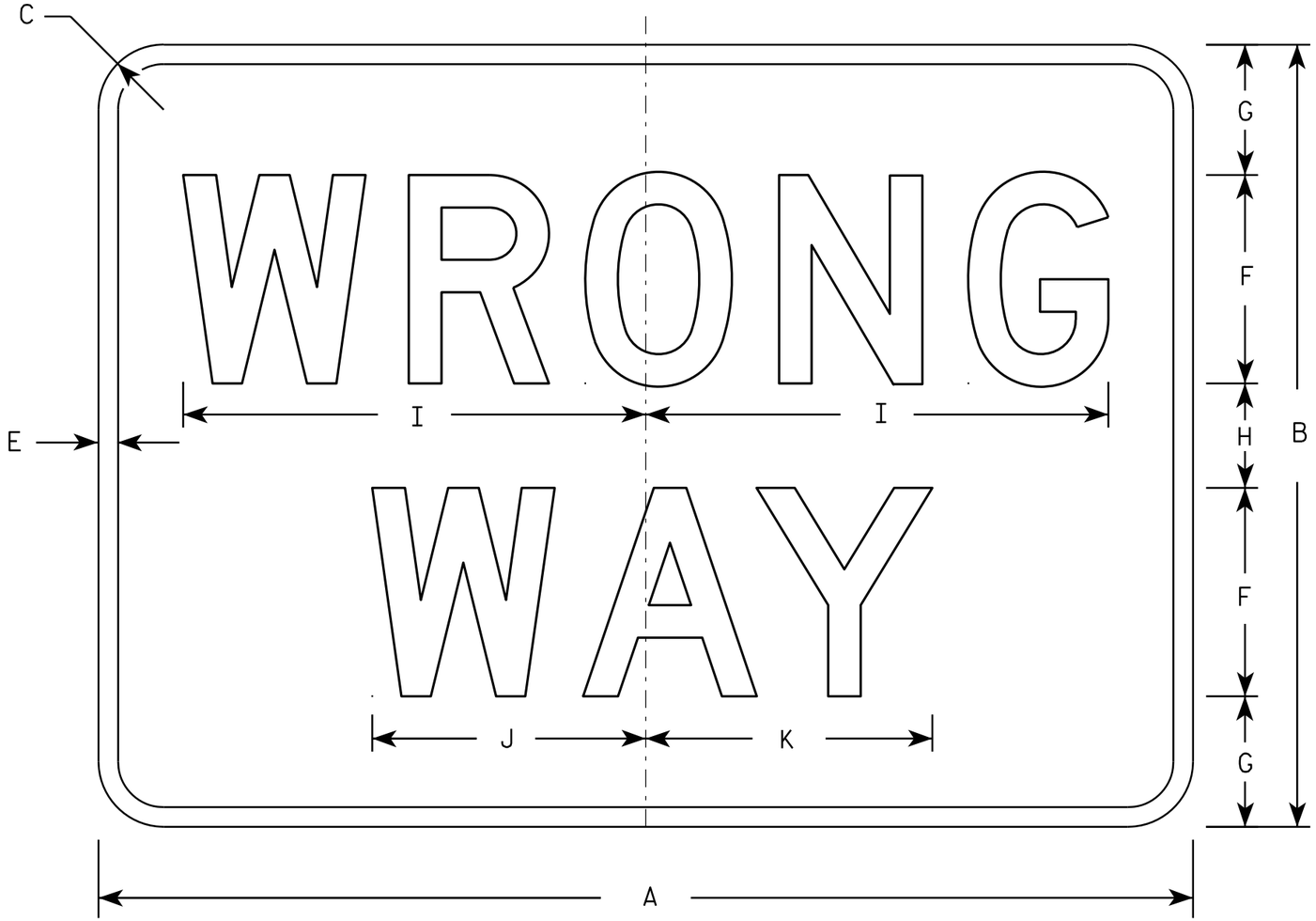
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

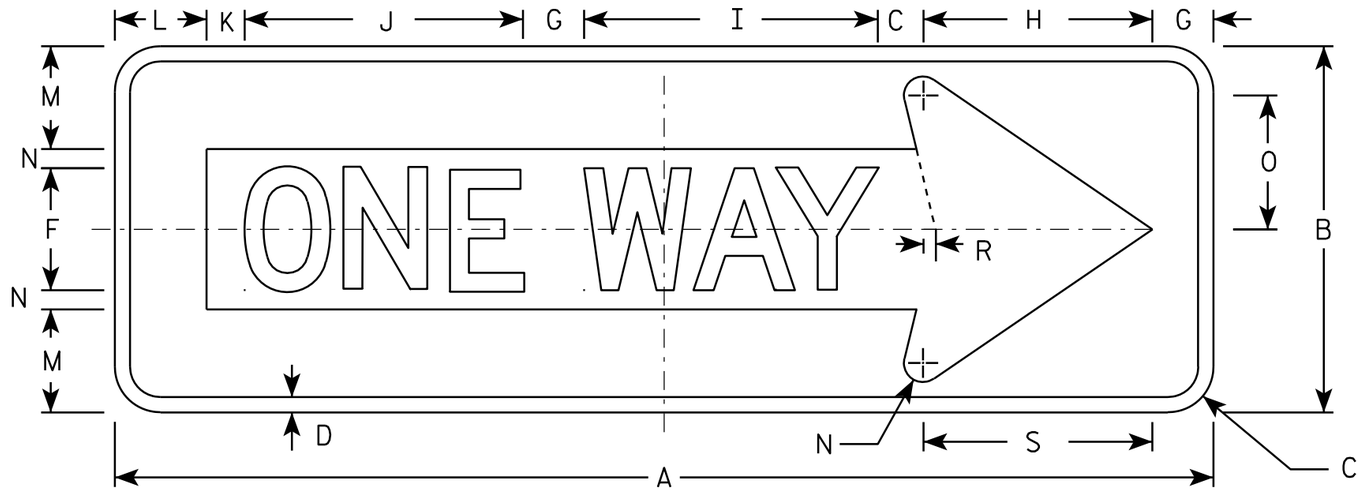
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

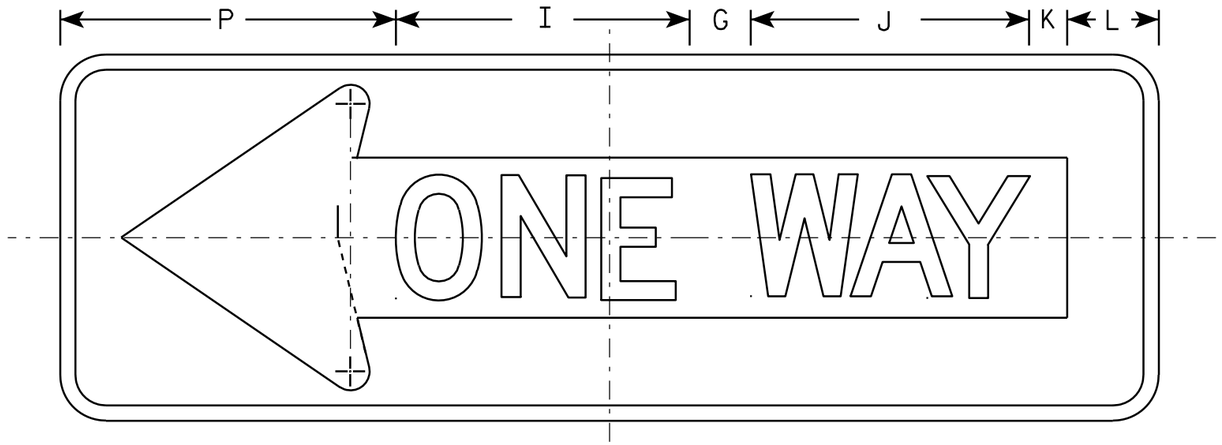
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

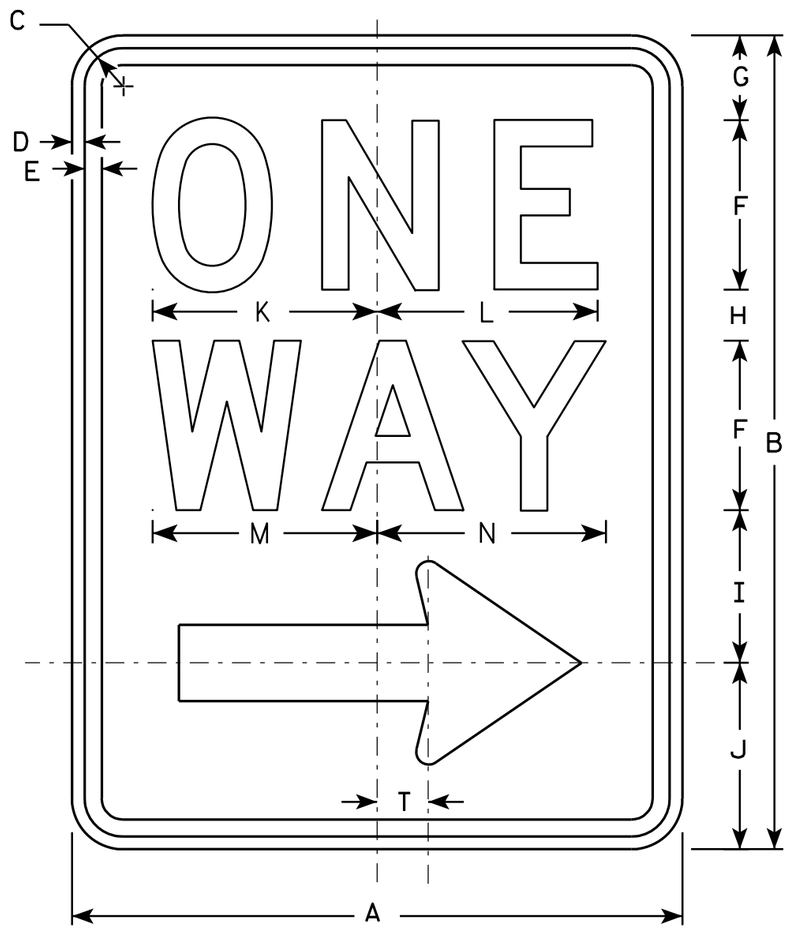
DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO: 307 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R61.DGN PLOT DATE : 17-DEC-2010 14:11 PLOT BY : dotsja

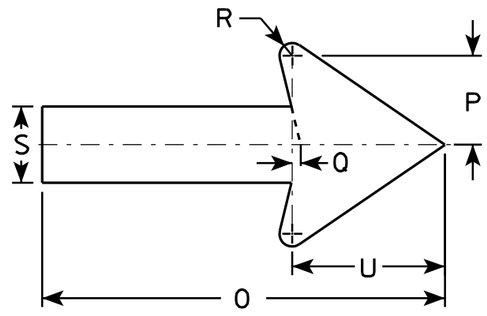
WISDOT/CADDS SHEET 42



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

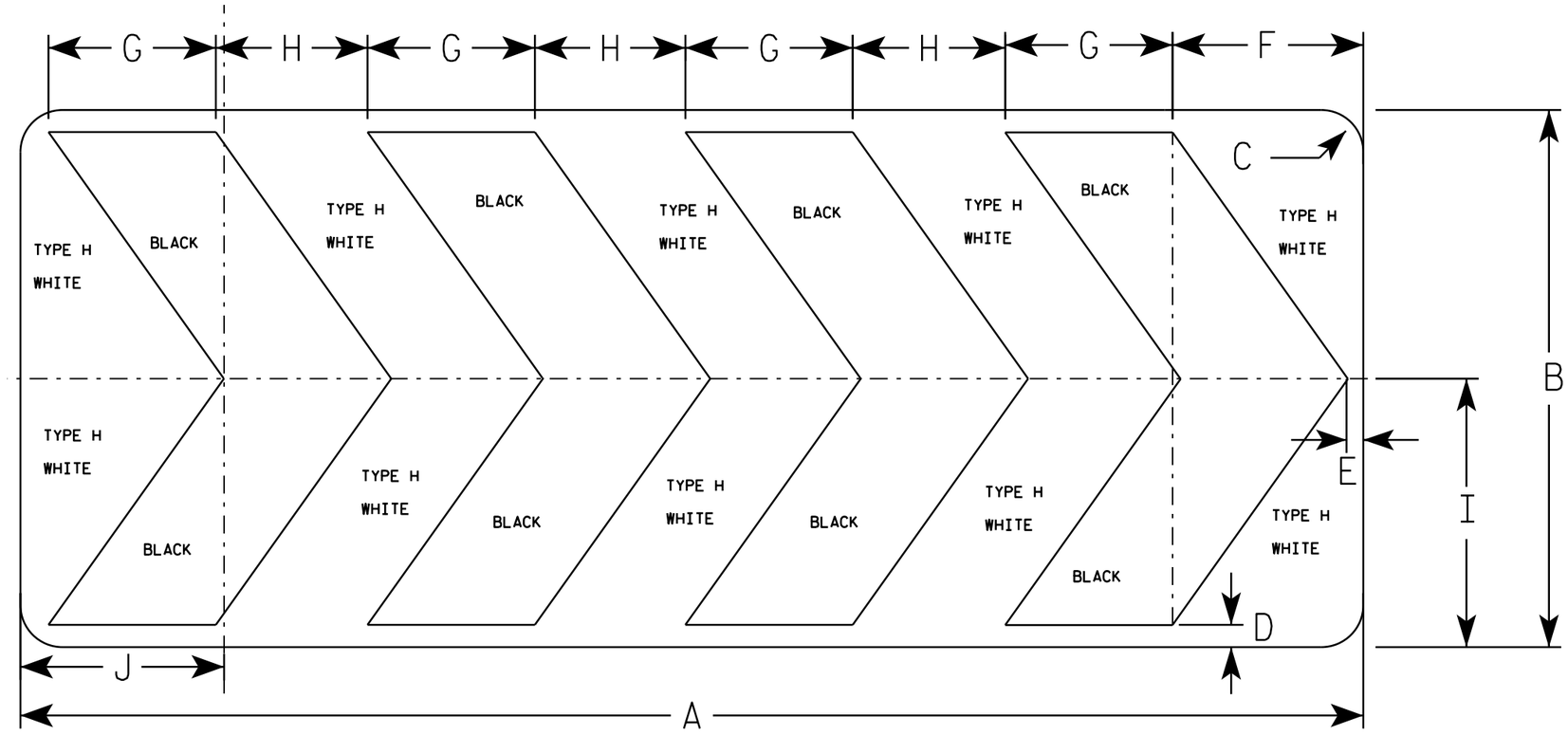
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

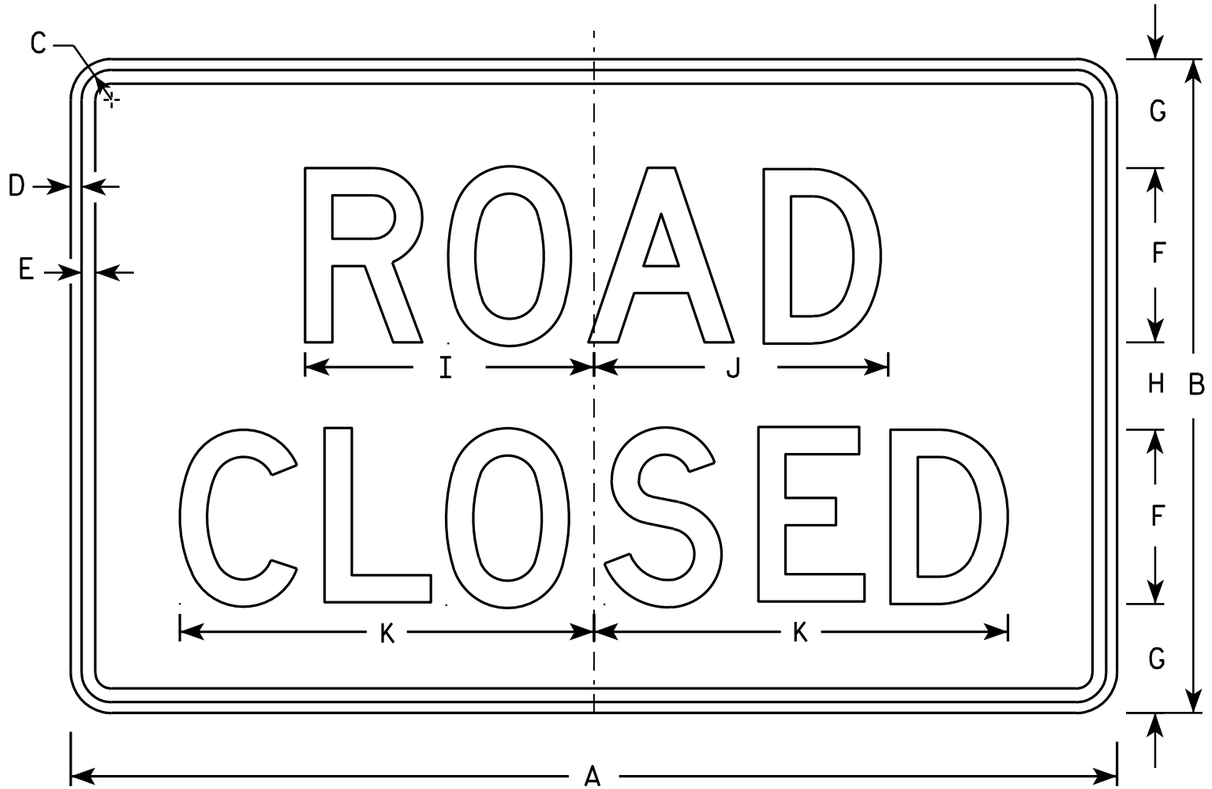
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

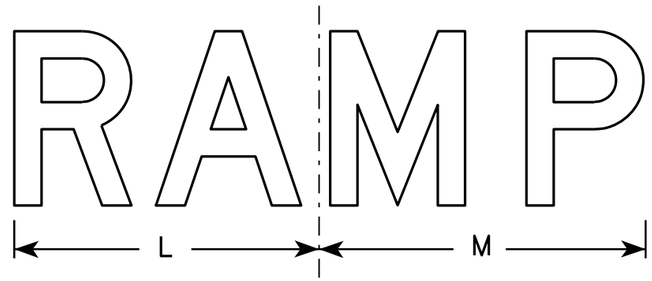
WISDOT/CADDS SHEET 42



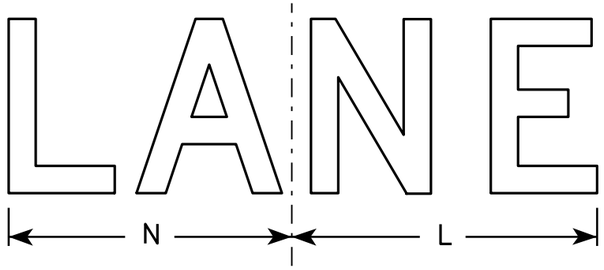
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

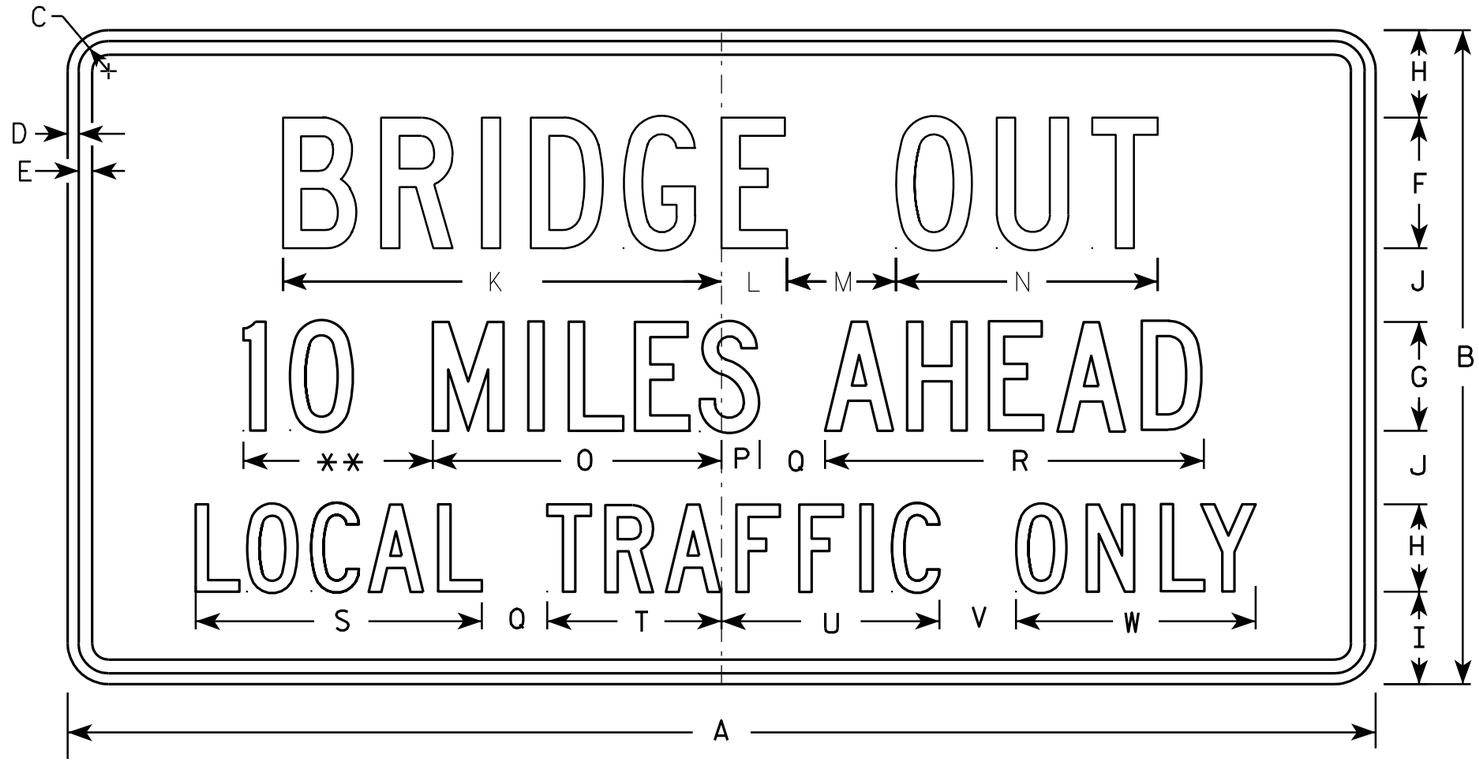
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 310	E



R11-3B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

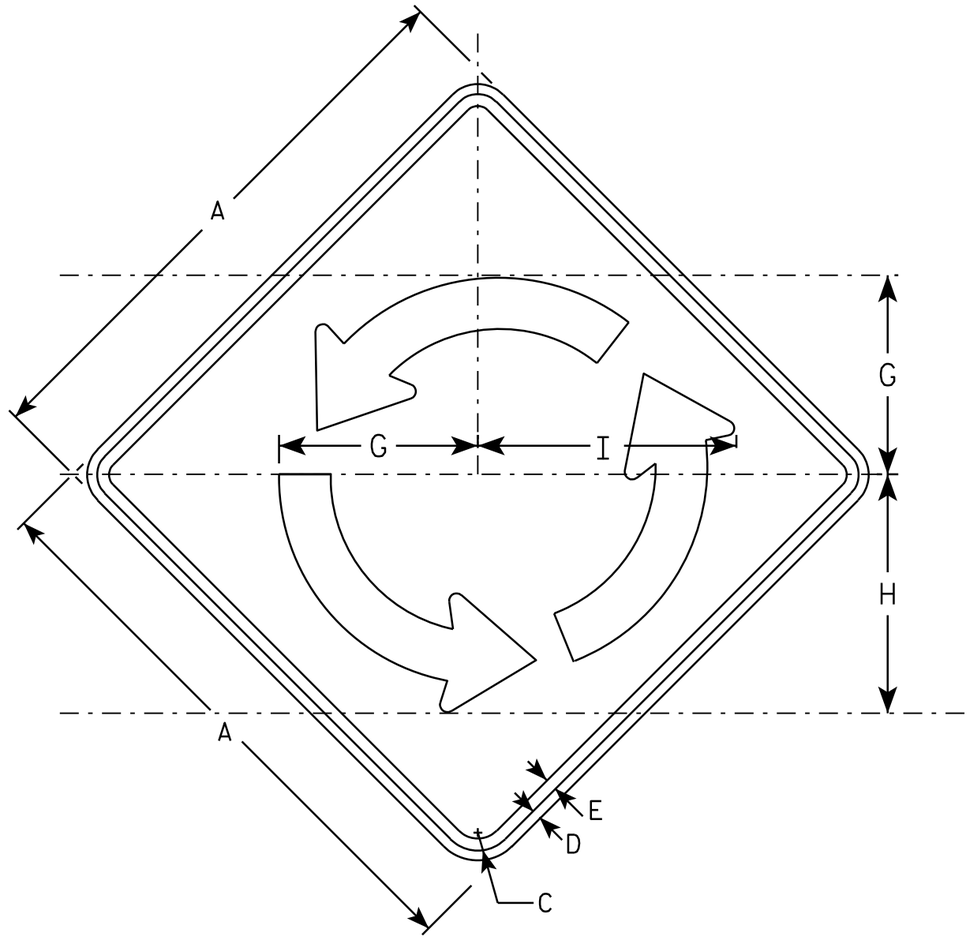
STANDARD SIGN
R11-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-3B.2

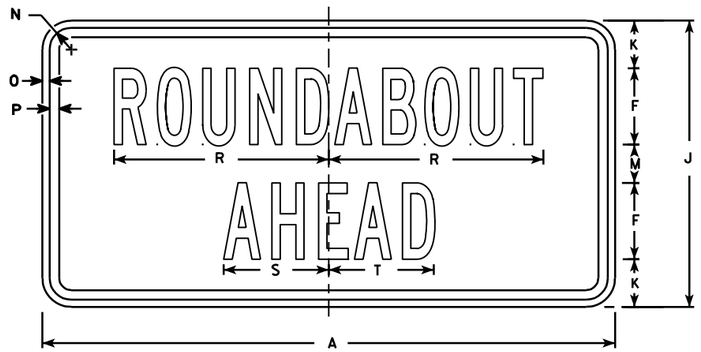
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E



W2-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W2-6P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	W2-6 Area sq. ft.	W2-6P Area sq. ft.
1																										
2S	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
2M	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
3	36		1 5/8	5/8	3/4	5	12 1/2	15	16 1/4	18	2 5/8		2 3/4	1 1/8	3/8	1/2		14	7	6 3/4					9.00	4.50
4	48		2 1/4	3/4	1	6	16 5/8	20	16 1/4	24	4 3/8		3 5/8	1 3/8	1/2	5/8		17	8 1/4	8 1/4					16.0	8.0
5																										

STANDARD SIGN
W2-6

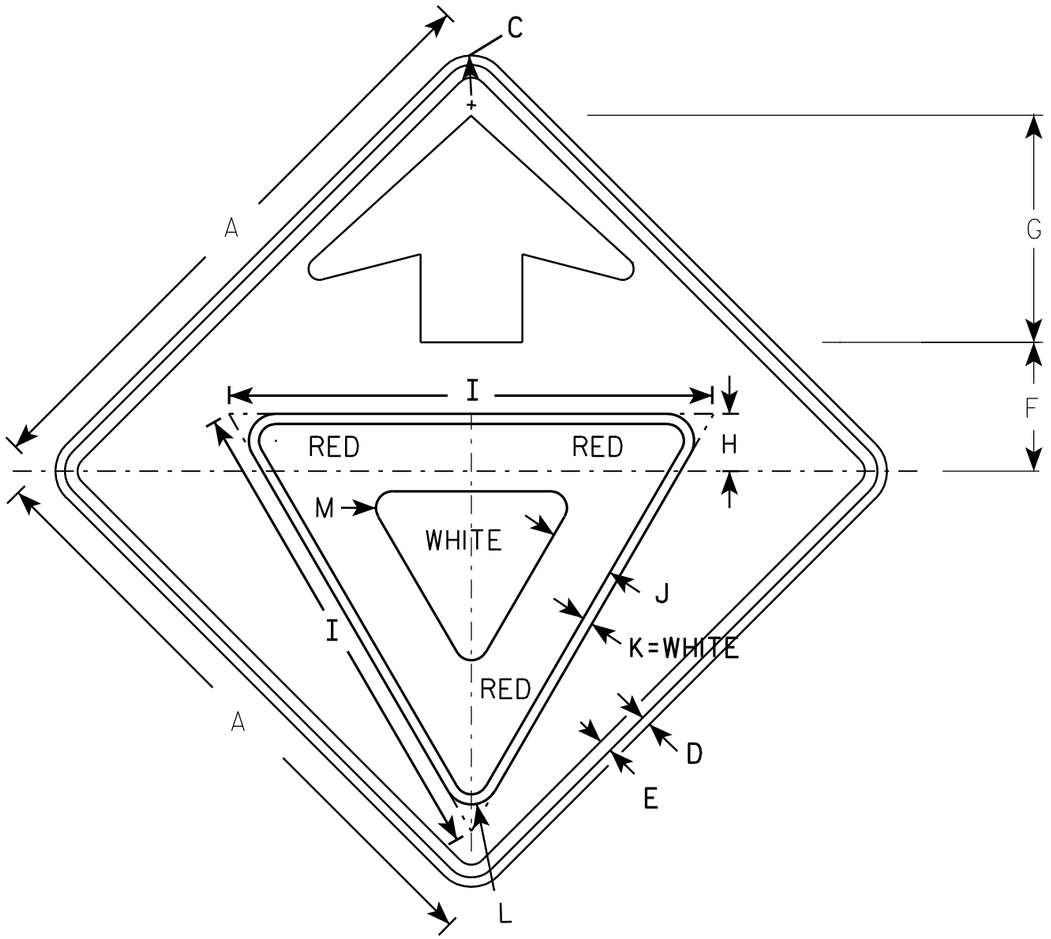
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

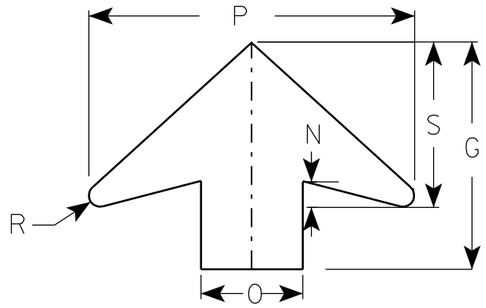
SHEET NO: 312 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

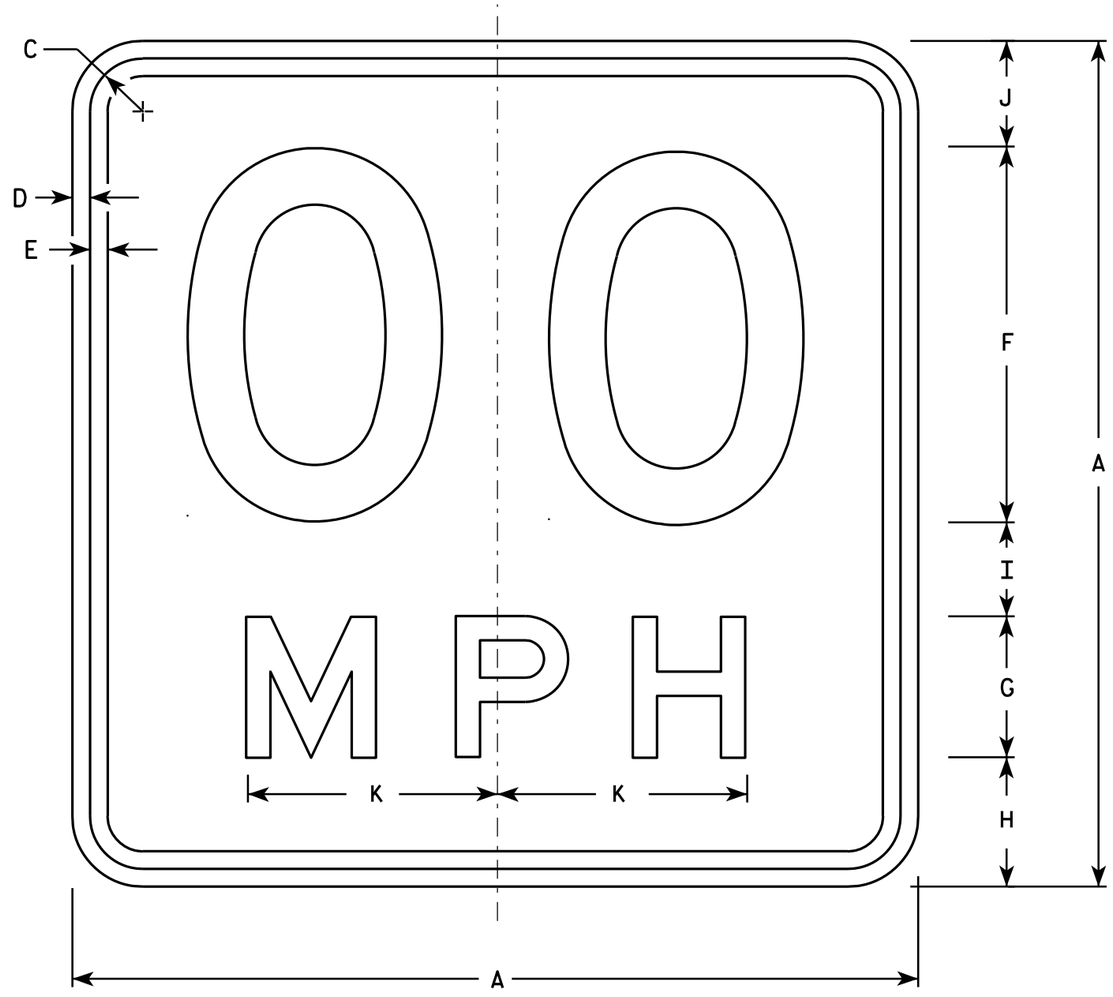
SHEET NO: 313 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

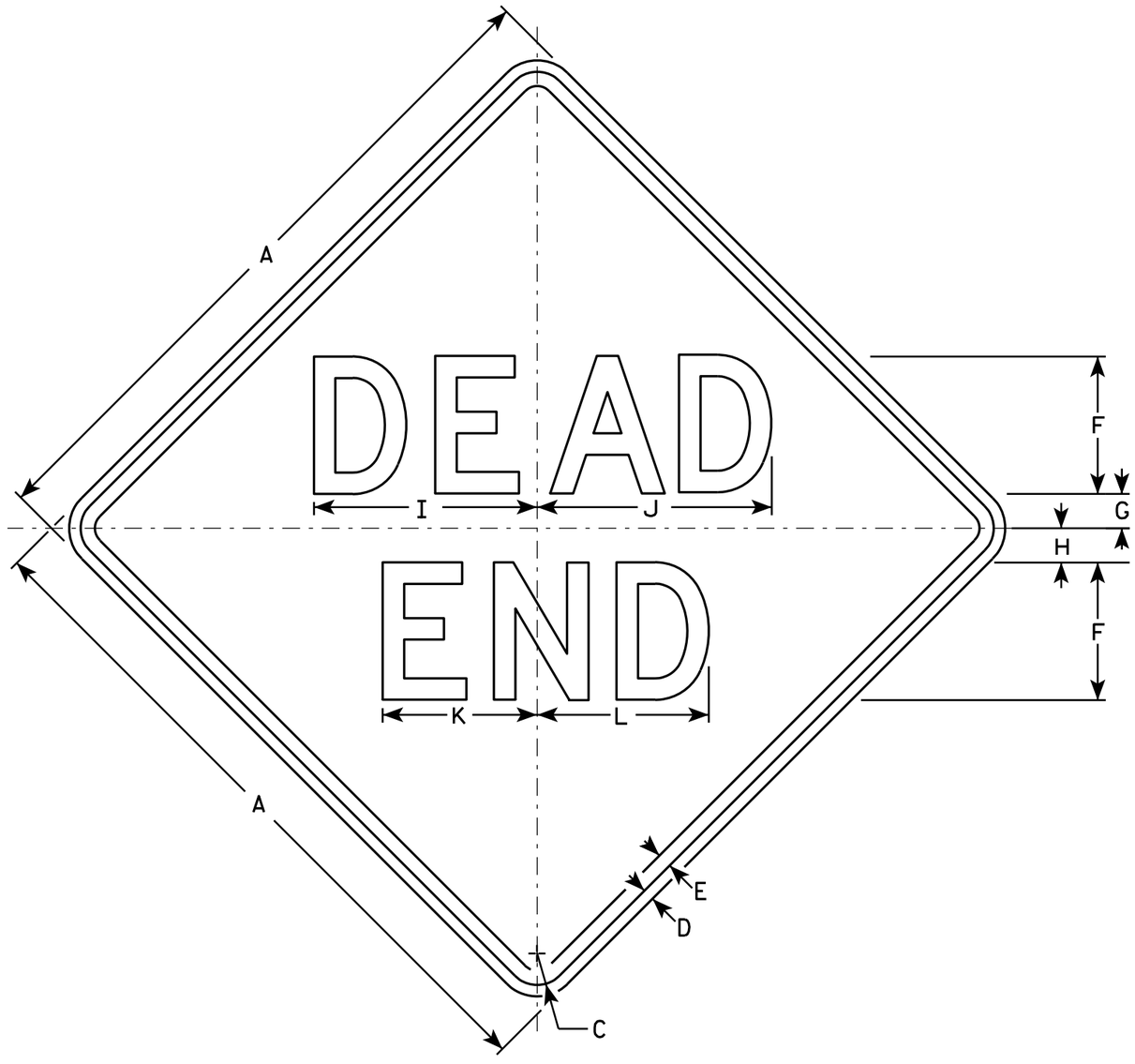
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 314 | E



W14-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

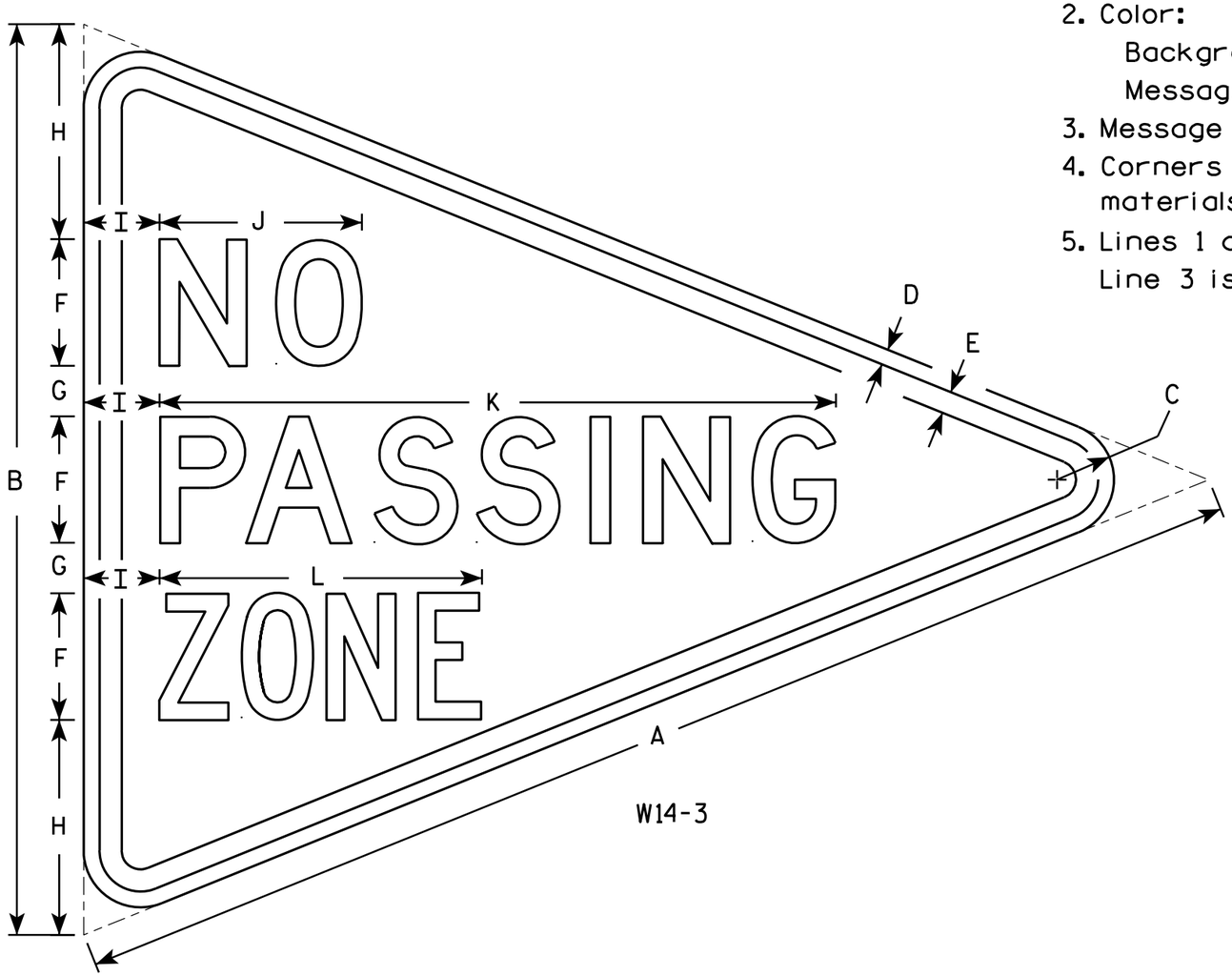
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 315	E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

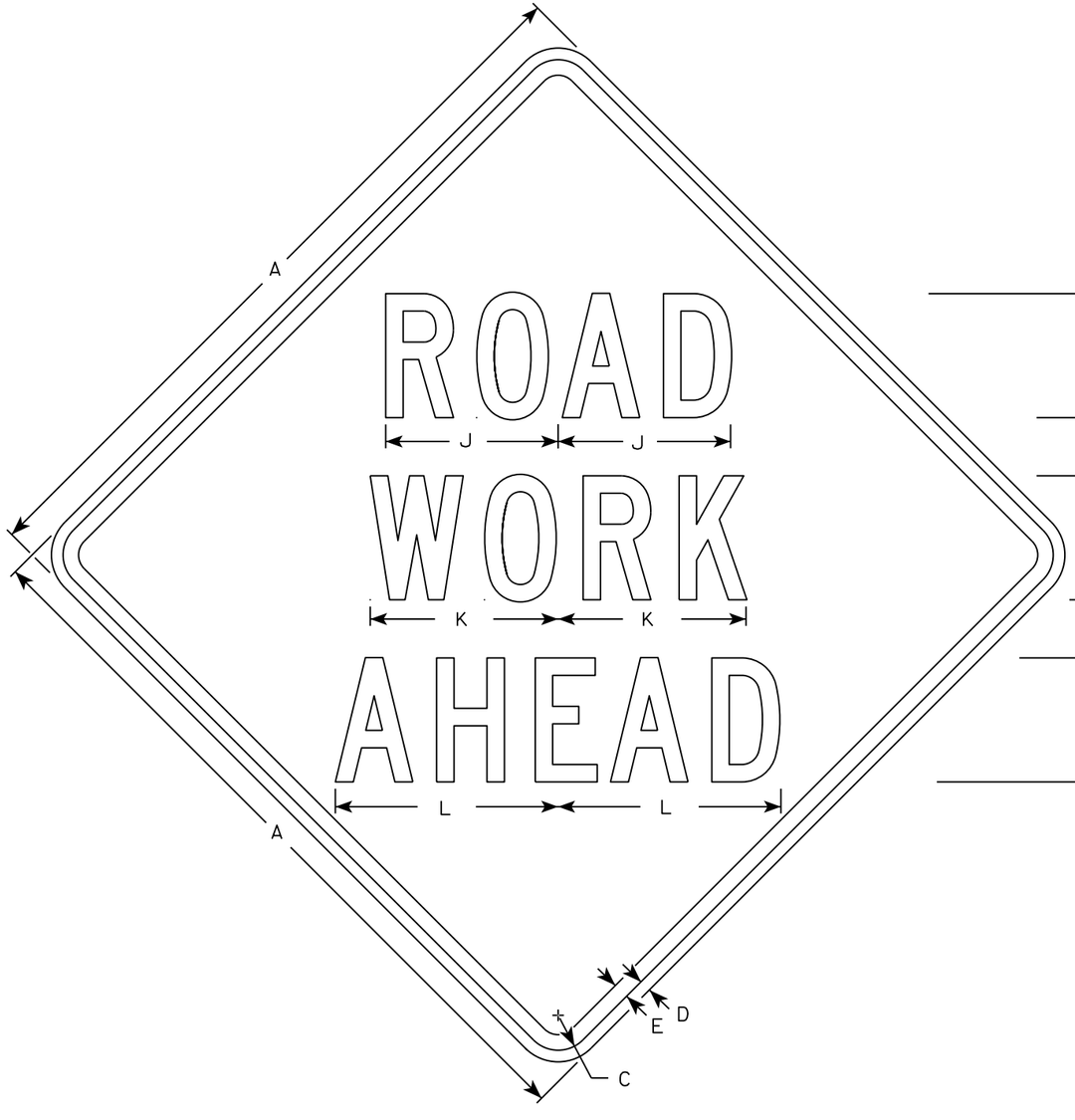
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

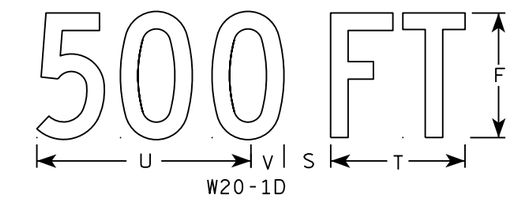
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

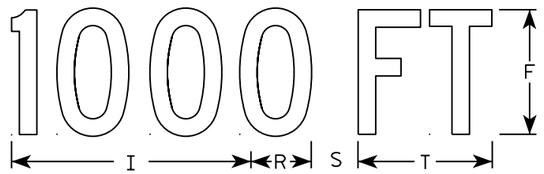
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 316	E



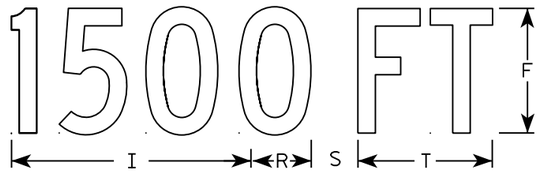
W20-1A



W20-1D

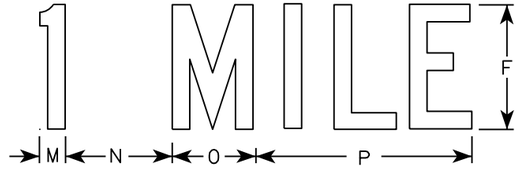


W20-1C

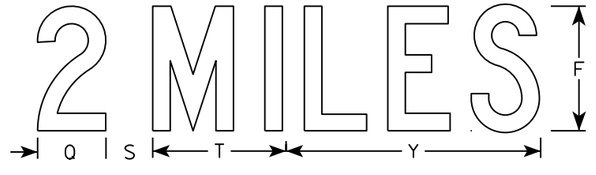


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

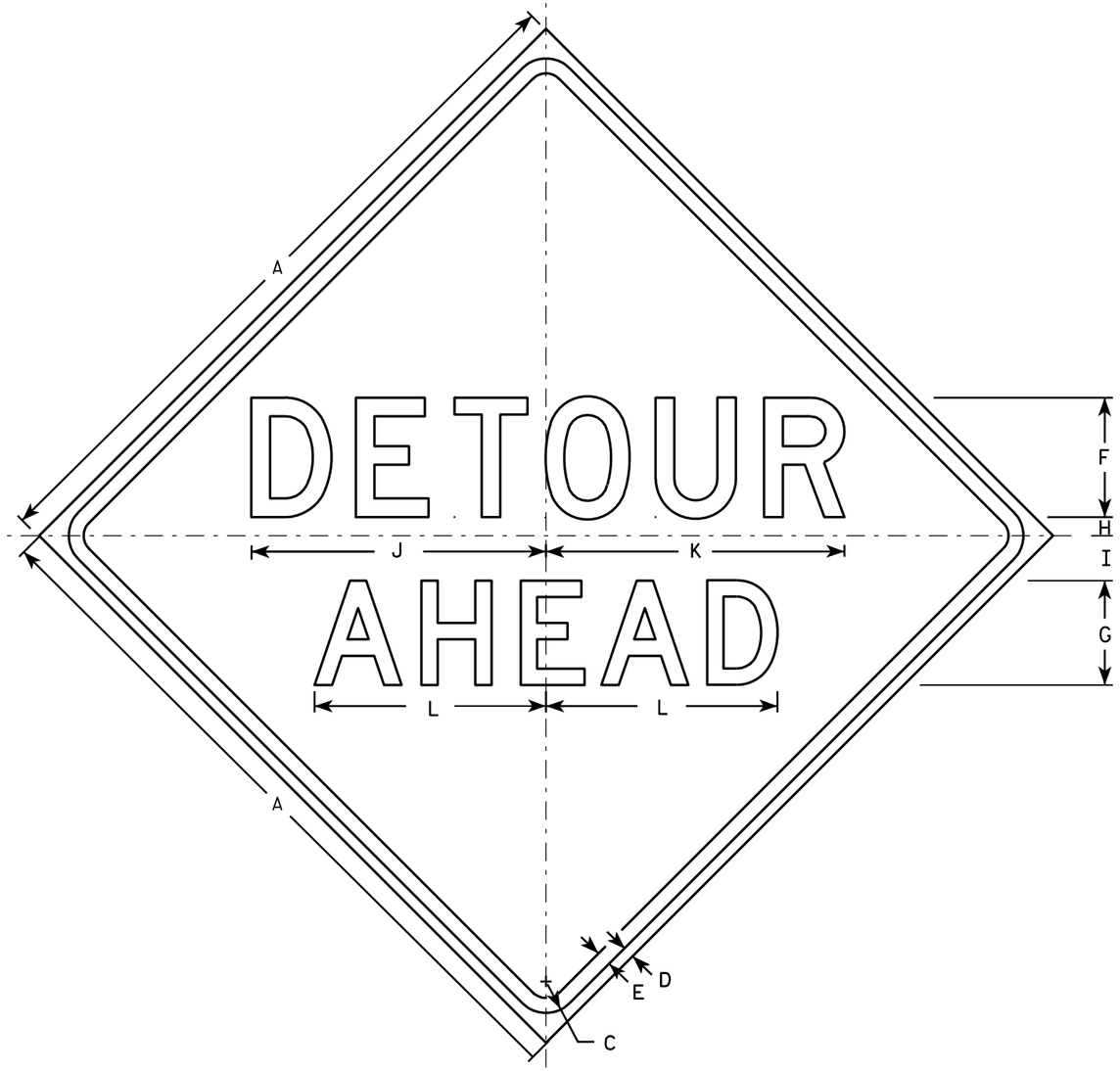
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

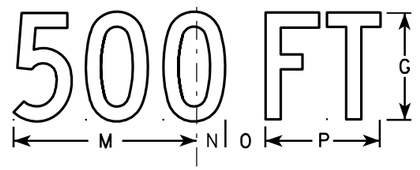
PROJECT NO:

SHEET NO: E

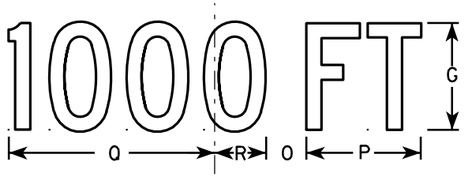
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



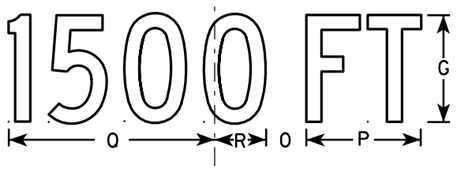
W20-2A



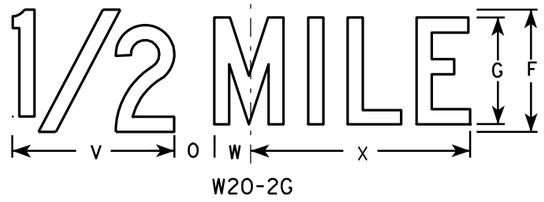
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

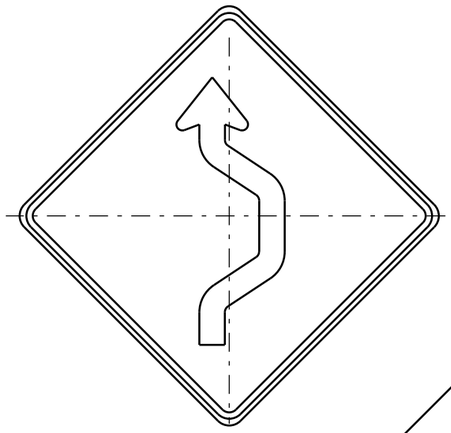
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

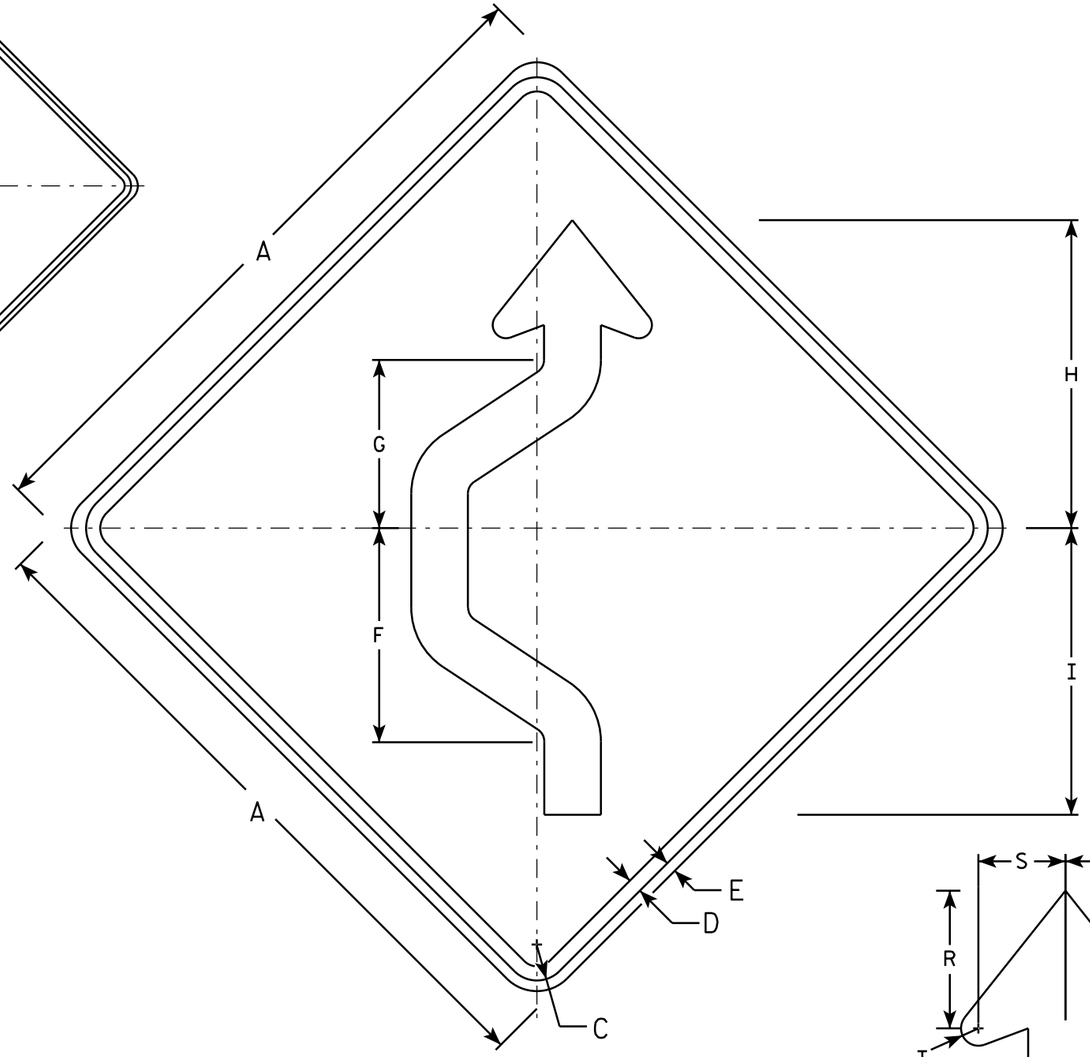
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

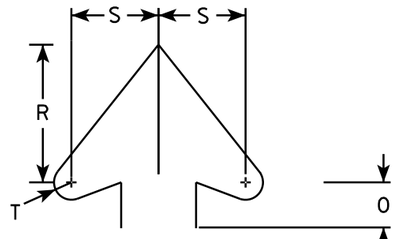
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 318	E



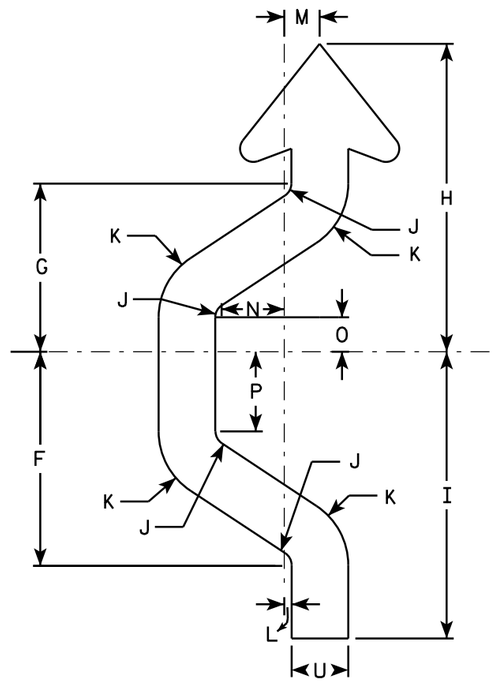
W24-1R



W24-1L



Arrowhead Detail



Arrow Detail

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W24-1R is the same as W24-1L except reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2M	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
3																											
4																											
5																											

STANDARD SIGN
W24-1 L & R

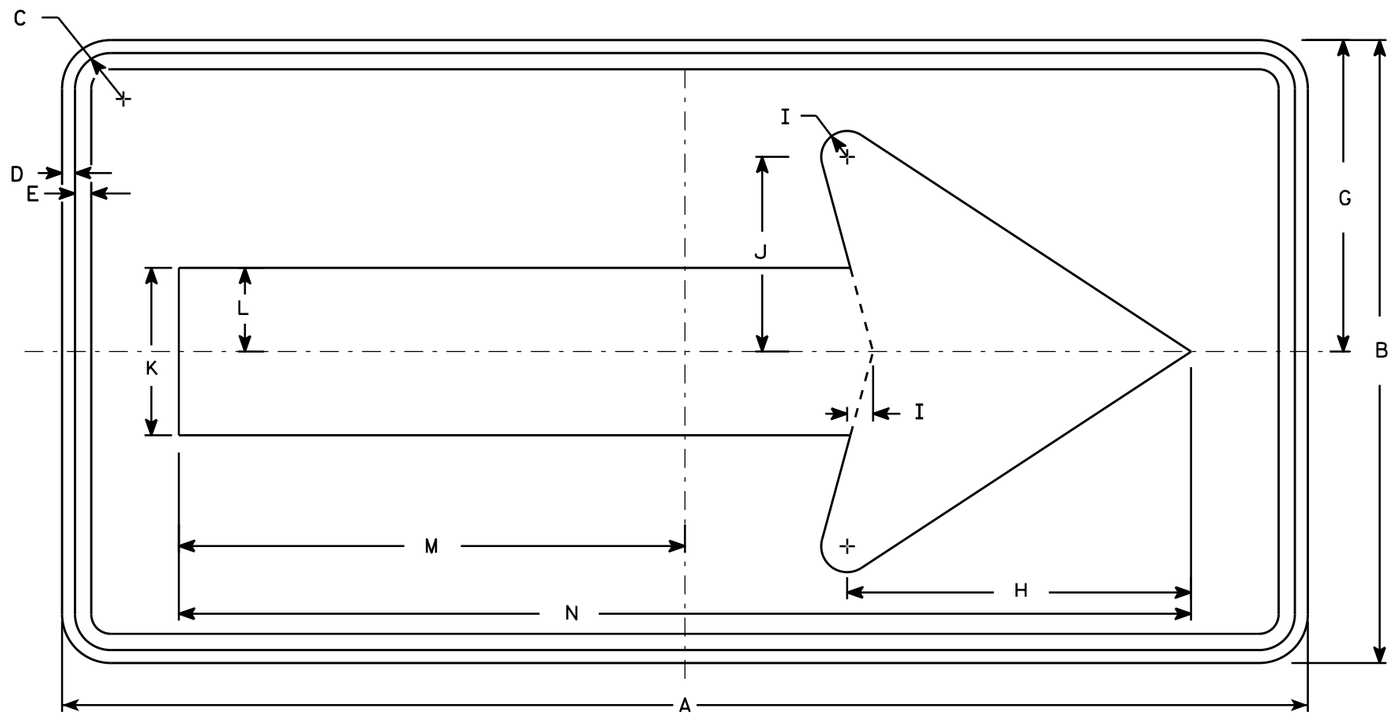
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/2013 PLATE NO. W24-1.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W241L.DGN PLOT DATE : 25-SEP-2013 13:00 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42

STH 42/57 NB STA 827+00.00 TO STA 838+00.17

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
827+00.00	AHEAD	79.1	26.0	0.0	0	0	0	0	0	0
827+50.00	50.00	69.5	26.0	0.0	138	48	0	138	0	90
827+93.83	43.83	70.7	26.0	0.0	114	42	0	252	0	161
	BACK									
827+93.83	AHEAD	43.0	13.0	0.0	0	0	0	252	0	0
828+00.00	6.17	43.0	13.0	0.0	0	0	0	0	0	0
828+50.00	50.00	33.4	13.0	0.1	71	24	0	71	0	64
829+00.00	50.00	34.8	13.0	0.0	63	24	0	134	0	111
829+50.00	50.00	39.5	13.0	0.0	69	24	0	203	0	159
830+00.00	50.00	38.6	13.0	0.0	72	24	0	275	0	205
830+50.00	50.00	38.1	13.0	0.0	71	24	0	346	0	249
831+00.00	50.00	34.8	13.0	0.0	68	24	0	414	0	294
831+50.00	50.00	34.7	13.0	0.0	64	24	0	478	0	339
832+00.00	50.00	30.5	13.0	0.0	60	24	0	538	0	381
832+50.00	50.00	23.8	13.0	0.0	50	24	0	588	0	416
833+00.00	50.00	17.8	11.7	1.4	39	23	1	627	1	445
833+50.00	50.00	18.1	12.8	6.3	33	23	7	660	9	459
834+00.00	50.00	36.2	13.0	6.6	50	24	12	710	16	467
834+50.00	50.00	37.2	17.0	0.6	68	28	7	778	18	480
835+00.00	50.00	52.1	20.0	0.0	83	34	1	861	18	504
835+50.00	50.00	51.1	22.0	0.0	96	39	0	957	18	537
836+00.00	50.00	69.8	23.0	0.0	112	42	0	1069	18	586
836+50.00	50.00	85.7	23.0	0.0	144	43	0	1213	18	653
837+00.00	50.00	93.4	23.0	0.0	166	43	0	1379	18	740
837+50.00	50.00	112.6	23.0	0.0	191	43	0	1570	18	850
838+00.00	50.00	115.6	23.0	0.0	211	43	0	1781	18	984
838+00.17	0.17	114.7	23.0	0.1	1	0	0	1782	18	984
	BACK									
			Column totals		2034	691	28			

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
~~4 - Expanded Marsh Backfill~~	~~Will be backfilled with Granular Backfill (or Cut, or Borrow)~~
~~5 - Expanded EBS~~	~~Will be backfilled with Granular Backfill (or Cut, or Borrow)~~
~~6 - Reduced EBS in Fill~~	~~Reduced EBS Excavation that can be used in Fill~~
~~7 - Mass Ordinate~~	~~If Marsh or EBS to be backfilled with Cut or Borrow: [(Cut + Marsh Exc + EBS) - ((Fill - Reduced Marsh in Fill) - (Reduced EBS in Fill) - Expanded Rock) * Fill Factor)]~~
~~8 - Mass Ordinate~~	~~If Marsh or EBS to be backfilled with Cut or Borrow: [(Cut + Marsh Exc + EBS) - ((Fill - Reduced Marsh in Fill) - (Reduced EBS in Fill) - Expanded Rock) * Fill Factor)]~~
~~8 - Mass Ordinate~~	~~If Marsh and EBS to be backfilled with Granular: [(Cut + EBS + Marsh Exc) - ((Fill - (Reduced Marsh in Fill) - (Reduced EBS in Fill) - (Expanded Rock)) * Fill Factor))]~~
~~8 - Mass Ordinate~~	~~If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor))]~~
~~8 - Mass Ordinate~~	~~If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor))]~~

STH 42/57 NB STA 839+65.10 TO STA 905+64.26

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
839+65.10	AHEAD	53.3	23.0	77.4	0	0	0	0	0	0
840+00.00	34.90	67.7	13.0	75.7	78	23	99	78	124	-69
840+50.00	50.00	100.5	13.0	27.3	156	24	95	234	243	-56
841+00.00	50.00	133.7	13.0	9.5	217	24	34	451	285	95
841+50.00	50.00	149.6	13.0	0.0	262	24	9	713	296	322
842+00.00	50.00	144.8	13.0	0.0	273	24	0	986	296	570
842+50.00	50.00	125.5	13.0	0.0	250	24	0	1236	296	797
843+00.00	50.00	111.1	13.0	0.0	219	24	0	1455	296	992
843+50.00	50.00	98.5	13.0	0.0	194	24	0	1649	296	1162
844+00.00	50.00	87.4	13.0	0.0	172	24	0	1821	296	1310
844+50.00	50.00	64.1	13.0	0.0	140	24	0	1961	296	1426
845+00.00	50.00	58.5	13.0	0.0	113	24	0	2074	296	1515
845+50.00	50.00	54.3	13.0	0.0	104	24	0	2178	296	1596
846+00.00	50.00	45.4	13.0	0.0	92	24	0	2270	296	1664
846+50.00	50.00	35.9	13.0	0.0	75	24	0	2345	296	1716
847+00.00	50.00	22.0	13.0	0.0	54	24	0	2399	296	1745
847+50.00	50.00	13.6	13.0	0.0	33	24	0	2432	296	1754
847+63.52	13.52 BACK	12.5	13.0	0.0	7	7	0	2439	296	1754
847+63.52	AHEAD	65.4	30.0	0.0	0	0	0	0	0	0
848+00.00	50.00	54.2	31.0	0.2	67	56	0	67	0	11
848+50.00	50.00	44.4	31.0	0.1	91	57	0	158	0	36
849+00.00	50.00	46.0	35.0	0.0	84	61	0	242	0	72
849+50.00	50.00	48.4	34.0	0.0	87	64	0	329	0	104
850+00.00	50.00	43.3	32.0	0.0	85	61	0	414	0	131
850+50.00	50.00	34.2	29.0	0.0	72	56	0	486	0	155
851+00.00	50.00	23.3	27.0	0.0	53	52	0	539	0	175
851+50.00	50.00	11.7	15.3	1.0	32	39	1	571	1	194
852+00.00	50.00	6.6	9.0	3.4	17	23	4	588	6	210
852+50.00	50.00	3.9	5.5	6.0	10	13	9	598	18	216
853+00.00	50.00	3.3	4.5	7.2	7	9	12	605	33	210
853+50.00	50.00	5.9	6.9	6.6	9	11	13	614	49	194
854+00.00	50.00	12.7	13.6	3.8	17	19	10	631	61	175
854+50.00	50.00	22.1	22.9	1.2	32	34	5	663	68	152
855+00.00	50.00	39.0	26.0	0.1	57	45	1	720	69	136
855+50.00	50.00	51.1	26.0	0.0	83	48	0	803	69	137
856+00.00	50.00	57.7	26.0	0.2	101	48	0	904	69	157
856+50.00	50.00	55.6	26.0	0.1	105	48	0	1009	69	192
857+00.00	50.00	46.9	26.0	0.0	95	48	0	1104	69	237
857+50.00	50.00	40.7	26.0	0.0	81	48	0	1185	69	282
858+00.00	50.00	43.7	26.0	0.1	78	48	0	1263	69	325
858+50.00	50.00	49.7	26.0	0.0	86	48	0	1349	69	364
859+00.00	50.00	53.3	26.0	0.0	95	48	0	1444	69	403
859+50.00	50.00	55.6	26.0	0.0	101	48	0	1545	69	445
860+00.00	50.00	55.1	26.0	0.0	103	48	0	1648	69	492
860+50.00	50.00	49.5	26.0	0.0	97	48	0	1745	69	542
861+00.00	50.00	44.3	26.0	0.0	87	48	0	1832	69	589

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STH 42/57 NB STA 839+65.10 TO STA 905+64.26

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
861+50.00	50.00	40.7	26.0	0.1	79	48	0	1911	69	632
862+00.00	50.00	36.6	26.0	0.0	72	48	0	1983	69	668
862+50.00	50.00	30.8	26.0	0.0	62	48	0	2045	69	695
863+00.00	50.00	29.9	26.0	0.0	56	48	0	2101	69	714
863+50.00	50.00	30.2	26.0	0.3	56	48	0	2157	69	729
864+00.00	50.00	26.8	26.0	0.1	53	48	0	2210	69	738
864+50.00	50.00	22.2	21.9	0.2	45	44	0	2255	69	746
865+00.00	50.00	18.4	18.1	0.2	38	37	0	2293	69	756
865+50.00	50.00	15.2	14.9	0.7	31	31	1	2324	70	766
866+00.00	50.00	12.9	12.6	0.8	26	25	1	2350	71	775
866+50.00	50.00	11.0	10.7	0.7	22	22	1	2372	73	781
867+00.00	50.00	8.2	7.9	0.9	18	17	1	2390	74	787
867+50.00	50.00	5.0	4.7	1.0	12	12	2	2402	76	792
868+00.00	50.00	4.5	4.2	1.4	9	8	2	2411	79	797
868+50.00	50.00	6.1	5.8	3.0	10	9	4	2421	84	796
869+00.00	50.00	9.6	9.2	1.7	15	14	4	2436	89	789
869+50.00	50.00	15.2	14.9	0.3	23	22	2	2459	91	780
870+00.00	50.00	26.7	26.0	0.1	39	38	0	2498	91	765
870+50.00	50.00	41.4	26.0	0.0	63	48	0	2561	91	753
871+00.00	50.00	56.6	26.0	0.0	91	48	0	2652	91	760
871+50.00	50.00	60.9	26.0	0.0	109	48	0	2761	91	787
872+00.00	50.00	58.4	26.0	0.0	110	48	0	2871	91	829
872+50.00	50.00	51.7	26.0	0.0	102	48	0	2973	91	881
873+00.00	50.00	44.0	26.0	0.0	89	48	0	3062	91	933
873+50.00	50.00	36.6	26.0	0.0	75	48	0	3137	91	978
874+00.00	50.00	36.0	26.0	0.0	67	48	0	3204	91	1014
874+50.00	50.00	39.6	26.0	0.0	70	48	0	3274	91	1043
875+00.00	50.00	51.2	26.0	0.0	84	48	0	3358	91	1072
875+50.00	50.00	64.9	26.0	0.0	107	48	0	3465	91	1109
876+00.00	50.00	95.3	26.0	0.0	148	48	0	3613	91	1167
876+50.00	50.00	112.3	26.0	0.0	192	48	0	3805	91	1253
876+61.47	11.47 BACK	116.6	26.0	0.0	49	11	0	3854	91	1280

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STH 42/57 NB STA 839+65.10 TO STA 905+64.26

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
876+61.47	AHEAD	55.6	13.0	0.0	0	0	0	0	0	0
877+00.00	38.53	56.9	13.0	0.0	80	19	0	80	0	103
877+50.00	50.00	50.9	13.0	0.0	100	24	0	180	0	179
878+00.00	50.00	44.0	13.0	0.0	88	24	0	268	0	242
878+50.00	50.00	36.2	13.0	0.0	74	24	0	342	0	293
879+00.00	50.00	29.4	13.0	0.3	61	24	0	403	0	329
879+50.00	50.00	21.1	13.0	3.8	47	24	4	450	5	347
880+00.00	50.00	16.2	13.0	24.0	34	24	26	484	38	325
880+50.00	50.00	21.1	13.0	58.2	34	24	76	518	133	241
881+00.00	50.00	19.7	13.0	76.7	38	24	125	556	289	98
881+50.00	50.00	18.8	13.0	85.0	36	24	150	592	476	-78
882+00.00	50.00	21.9	13.0	97.6	38	24	169	630	688	-275
882+50.00	50.00	25.0	13.0	101.9	43	24	185	673	919	-487
883+00.00	50.00	27.7	13.0	104.7	49	24	191	722	1158	-701
883+50.00	50.00	29.3	13.0	106.2	53	24	195	775	1401	-916
884+00.00	50.00	32.0	13.0	98.6	57	24	190	832	1639	-1120
884+50.00	50.00	35.8	13.0	89.6	63	24	174	895	1856	-1299
885+00.00	50.00	38.1	13.0	85.7	68	24	162	963	2059	-1457
885+50.00	50.00	39.5	13.0	79.7	72	24	153	1035	2250	-1601
886+00.00	50.00	39.3	13.0	71.2	73	24	140	1108	2425	-1727
886+50.00	50.00	39.1	13.0	82.9	73	24	143	1181	2604	-1857
887+00.00	50.00	42.3	13.0	48.7	75	24	122	1256	2756	-1958
887+50.00	50.00	43.0	13.0	28.8	79	24	72	1335	2846	-1993
888+00.00	50.00	41.2	15.0	18.4	78	26	44	1413	2901	-1996
888+50.00	50.00	42.5	17.0	9.2	78	30	26	1491	2934	-1981
889+00.00	50.00	81.4	18.0	5.9	115	32	14	1606	2951	-1916
889+50.00	50.00	167.2	20.0	4.2	230	35	9	1836	2963	-1732
890+00.00	50.00	212.6	21.0	4.4	352	38	8	2188	2973	-1429
890+50.00	50.00	213.6	21.0	4.4	395	39	8	2583	2983	-1083
891+00.00	50.00	211.3	21.0	4.9	393	39	9	2976	2994	-740
891+50.00	50.00	186.1	23.0	5.3	368	41	9	3344	3005	-424
892+00.00	50.00	27.4	30.0	0.2	198	49	5	3542	3011	-282
892+50.00	50.00	64.4	30.0	0.0	85	56	0	3627	3011	-253
893+00.00	50.00	30.6	21.0	3.1	88	47	3	3715	3015	-216
893+50.00	50.00	93.3	16.0	10.2	115	34	12	3830	3030	-150
894+00.00	50.00	83.0	11.0	9.3	163	25	18	3993	3053	-34
894+50.00	50.00	65.3	11.0	8.7	137	20	17	4130	3074	62
895+00.00	50.00	55.5	11.0	7.5	112	20	15	4242	3093	135
895+50.00	50.00	52.3	11.0	8.9	100	20	15	4342	3111	196
896+00.00	50.00	50.0	11.0	11.3	95	20	19	4437	3135	247
896+50.00	50.00	41.1	11.0	13.4	84	20	23	4521	3164	282
897+00.00	50.00	31.6	11.0	12.8	67	20	24	4588	3194	300
897+50.00	50.00	30.3	11.0	11.6	57	20	23	4645	3223	308
898+00.00	50.00	34.2	11.0	9.9	60	20	20	4705	3248	323
898+50.00	50.00	35.2	11.0	10.5	64	20	19	4769	3271	343
899+00.00	50.00	28.9	11.0	16.3	59	20	25	4828	3303	352
899+50.00	50.00	27.8	11.0	34.8	53	20	47	4881	3361	325
900+00.00	50.00	29.8	11.0	64.8	53	20	92	4934	3476	244

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STH 42/57 NB STA 839+65.10 TO STA 905+64.26

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
900+50.00	50.00	31.2	11.0	65.0	57	20	120	4991	3626	130
901+00.00	50.00	30.3	11.0	86.0	57	20	140	5048	3801	-8
901+50.00	50.00	29.4	11.0	103.7	55	20	176	5103	4021	-192
902+00.00	50.00	28.3	11.0	118.5	53	20	206	5156	4279	-417
902+50.00	50.00	34.6	11.0	89.8	58	20	193	5214	4520	-620
903+00.00	50.00	48.3	11.0	80.4	77	20	158	5291	4718	-760
903+50.00	50.00	72.3	13.0	13.2	112	22	87	5403	4826	-780
904+00.00	50.00	95.8	15.0	38.9	156	26	48	5559	4886	-710
904+50.00	50.00	114.9	18.0	37.2	195	31	70	5754	4974	-633
905+00.00	50.00	132.2	20.0	11.7	229	35	45	5983	5030	-496
905+50.00	50.00	128.0	21.0	16.4	241	38	26	6224	5063	-325
905+64.26	14.26	115.3	21.0	35.8	64	11	14	6288	5080	-290
	BACK									
				Column totals	12581	4305	4374			

STH 42/57 NB STA 907+32.15 TO STA 915+21.45

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
907+32.15	AHEAD	5.4	5.4	206.9	0	0	0	0	0	0
907+50.00	17.85	9.0	8.5	181.0	5	5	128	5	160	-160
908+00.00	50.00	26.7	19.0	121.8	33	25	280	38	510	-502
908+50.00	50.00	67.1	17.0	68.3	87	33	176	125	730	-668
909+00.00	50.00	84.2	15.0	48.8	140	30	108	265	865	-693
909+50.00	50.00	95.8	13.0	37.9	167	26	80	432	965	-653
910+00.00	50.00	103.0	12.0	32.3	184	23	65	616	1046	-573
910+50.00	50.00	99.2	10.0	31.5	187	20	59	803	1120	-479
911+00.00	50.00	85.3	10.0	29.1	171	19	56	974	1190	-397
911+50.00	50.00	36.8	10.0	20.9	113	19	46	1087	1248	-361
912+00.00	50.00	17.8	10.0	29.8	51	19	47	1138	1306	-388
912+50.00	50.00	15.8	10.0	29.2	31	19	55	1169	1375	-445
913+00.00	50.00	12.0	10.0	5.0	26	19	32	1195	1415	-478
913+50.00	50.00	8.3	10.0	8.8	19	19	13	1214	1431	-494
914+00.00	50.00	11.8	10.0	2.9	19	19	11	1233	1445	-509
914+50.00	50.00	15.6	10.0	3.7	25	19	6	1258	1453	-510
915+00.00	50.00	19.7	10.0	0.0	33	19	3	1291	1456	-500
915+21.45	21.45	20.8	10.0	0.0	16	8	0	1307	1456	-492
	BACK									
				Column totals	1307	341	1165			

STH 42/57 SB STA 827+93.83 TO STA 838+02.40

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
827+93.83	AHEAD	38.8	15.0	0.0	0	0	0	0	0	0
828+00.00	6.17	38.5	16.0	0.0	9	4	0	9	0	5
828+50.00	50.00	36.7	16.0	0.0	70	29	0	79	0	45
829+00.00	50.00	45.2	18.0	0.0	76	31	0	155	0	90
829+50.00	50.00	51.4	19.0	0.0	89	34	0	244	0	146
830+00.00	50.00	56.9	16.0	0.0	100	32	0	344	0	214
830+50.00	50.00	61.5	16.0	0.0	110	30	0	454	0	294
831+00.00	50.00	66.8	16.0	0.0	119	30	0	573	0	382
831+50.00	50.00	72.5	16.0	0.0	129	30	0	702	0	481
832+00.00	50.00	74.6	16.0	0.0	136	30	0	838	0	588
832+50.00	50.00	75.1	22.0	0.0	139	35	0	977	0	691
833+00.00	50.00	75.1	26.0	0.0	139	44	0	1116	0	786
833+50.00	50.00	62.1	29.0	0.0	127	51	0	1243	0	862
834+00.00	50.00	49.1	32.0	5.5	103	56	5	1346	6	903
834+50.00	50.00	33.8	27.4	4.9	77	55	10	1423	19	913
835+00.00	50.00	28.8	23.8	6.6	58	47	11	1481	33	910
835+50.00	50.00	35.5	27.1	20.4	60	47	25	1541	64	891
836+00.00	50.00	46.9	35.8	43.2	76	58	59	1617	138	836
836+50.00	50.00	63.9	41.0	51.0	103	71	87	1720	246	758
837+00.00	50.00	77.7	42.0	68.4	131	77	111	1851	385	674
837+50.00	50.00	96.4	44.0	91.6	161	80	148	2012	570	570
838+00.00	50.00	121.9	44.0	77.3	202	81	156	2214	765	496
838+02.40	2.40	344.3	44.0	71.1	21	4	7	2235	774	504
	BACK									
				Column totals	2235	956	619			

STH 42/57 SB STA 839+75.93 TO STA 847+68.09

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
839+75.93	AHEAD	259.3	43.0	4.7	0	0	0	0	0	0
840+00.00	24.07	308.8	43.0	0.0	253	38	2	253	3	213
840+50.00	50.00	310.5	43.0	0.0	573	80	0	826	3	706
841+00.00	50.00	235.6	44.0	0.0	506	81	0	1332	3	1131
841+50.00	50.00	228.0	38.0	0.3	429	76	0	1761	3	1484
842+00.00	50.00	232.0	33.0	0.0	426	66	0	2187	3	1844
842+50.00	50.00	286.2	29.0	0.0	480	57	0	2667	3	2267
843+00.00	50.00	205.7	24.0	0.0	455	49	0	3122	3	2673
843+50.00	50.00	163.2	20.0	0.0	342	41	0	3464	3	2974
844+00.00	50.00	167.0	14.0	0.0	306	31	0	3770	3	3249
844+50.00	50.00	160.5	14.0	0.0	303	26	0	4073	3	3526
845+00.00	50.00	148.6	14.0	0.0	286	26	0	4359	3	3786
845+50.00	50.00	134.8	14.0	0.0	262	26	0	4621	3	4023
846+00.00	50.00	122.2	14.0	0.0	238	26	0	4859	3	4235
846+50.00	50.00	107.5	14.0	0.0	213	26	0	5072	3	4421
847+00.00	50.00	89.0	14.0	0.0	182	26	0	5254	3	4577
847+50.00	50.00	68.5	14.0	0.0	146	26	0	5400	3	4697
847+68.09	18.09	60.6	14.0	0.0	43	9	0	5443	3	4731
	BACK									
			Column totals		5443	710	2			

STH 42/57 SB STA 876+61.47 TO STA 905+69.89

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
876+61.47	AHEAD	60.7	0.0	0.0	0	0	0	0	0	0
877+00.00	38.53	67.2	13.0	0.0	91	9	0	91	0	82
877+50.00	50.00	66.0	13.0	0.0	123	24	0	214	0	182
878+00.00	50.00	63.8	13.0	0.0	120	24	0	334	0	278
878+50.00	50.00	54.8	13.0	0.0	110	24	0	444	0	364
879+00.00	50.00	45.4	13.0	0.0	93	24	0	537	0	432
879+50.00	50.00	34.0	13.0	0.4	74	24	0	611	0	482
880+00.00	50.00	29.6	13.0	1.5	59	24	2	670	3	514
880+50.00	50.00	22.9	13.0	5.9	49	24	7	719	11	530
881+00.00	50.00	21.5	13.0	28.8	41	24	32	760	51	507
881+50.00	50.00	20.1	13.0	41.0	38	24	65	798	133	440
882+00.00	50.00	22.4	13.0	54.4	39	24	88	837	243	346
882+50.00	50.00	25.4	13.0	59.5	44	24	105	881	374	235
883+00.00	50.00	28.5	13.0	59.0	50	24	110	931	511	123
883+50.00	50.00	31.7	13.0	57.4	56	24	108	987	646	20
884+00.00	50.00	34.7	13.0	63.6	61	24	112	1048	786	-83
884+50.00	50.00	37.3	13.0	65.4	67	24	119	1115	935	-189
885+00.00	50.00	39.6	13.0	62.5	71	24	118	1186	1083	-289
885+50.00	50.00	41.3	13.0	57.5	75	24	111	1261	1221	-377
886+00.00	50.00	41.7	13.0	69.7	77	24	118	1338	1369	-472
886+50.00	50.00	41.8	13.0	82.5	77	24	141	1415	1545	-595
887+00.00	50.00	41.3	13.0	81.2	77	24	152	1492	1735	-732
887+50.00	50.00	41.4	13.0	77.3	77	24	147	1569	1919	-863
888+00.00	50.00	37.9	13.0	77.5	73	24	143	1642	2098	-992
888+50.00	50.00	33.0	13.0	74.7	66	24	141	1708	2274	-1127
889+00.00	50.00	29.8	13.0	51.8	58	24	117	1766	2420	-1239
889+50.00	50.00	30.5	13.0	22.5	56	24	69	1822	2506	-1293
890+00.00	50.00	33.0	13.0	11.7	59	24	32	1881	2546	-1299
890+50.00	50.00	51.1	15.0	6.9	78	26	17	1959	2568	-1268
891+00.00	50.00	32.6	19.0	13.0	77	31	18	2036	2590	-1244
891+50.00	50.00	34.7	24.0	22.4	62	40	33	2098	2631	-1263
892+00.00	50.00	75.6	33.0	0.2	102	53	21	2200	2658	-1240
892+50.00	50.00	39.9	33.0	0.0	107	61	0	2307	2658	-1194
893+00.00	50.00	52.5	25.0	1.0	86	54	1	2393	2659	-1164
893+50.00	50.00	106.4	25.0	14.1	147	46	14	2540	2676	-1080
894+00.00	50.00	119.7	25.0	12.2	209	46	24	2749	2706	-947
894+50.00	50.00	119.4	25.0	10.9	221	46	21	2970	2733	-798
895+00.00	50.00	108.0	25.0	10.3	211	46	20	3181	2758	-658
895+50.00	50.00	87.4	20.0	11.2	181	42	20	3362	2783	-544
896+00.00	50.00	65.9	18.0	11.2	142	35	21	3504	2809	-464
896+50.00	50.00	53.9	16.0	13.5	111	31	23	3615	2838	-412
897+00.00	50.00	49.0	14.0	14.1	95	28	26	3710	2870	-378
897+50.00	50.00	39.2	15.0	14.4	82	27	26	3792	2903	-355
898+00.00	50.00	82.4	15.0	12.7	113	28	25	3905	2934	-302
898+50.00	50.00	63.7	15.0	11.0	135	28	22	4040	2961	-222
899+00.00	50.00	29.0	15.0	35.5	86	28	43	4126	3015	-218
899+50.00	50.00	33.0	15.0	50.6	57	28	80	4183	3115	-289

(CONTINUED ON NEXT PAGE)

STH 42/57 SB STA 876+61.47 TO STA 905+69.89

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
900+00.00	50.00	37.6	15.0	48.2	65	28	91	4248	3229	-365
900+50.00	50.00	41.1	15.0	39.5	73	28	81	4321	3330	-422
901+00.00	50.00	39.1	17.0	47.2	74	30	80	4395	3430	-477
901+50.00	50.00	37.2	18.0	49.6	71	32	90	4466	3543	-551
902+00.00	50.00	37.2	20.0	90.7	69	35	130	4535	3705	-680
902+50.00	50.00	40.7	21.0	93.9	72	38	171	4607	3919	-860
903+00.00	50.00	41.9	22.0	107.2	77	40	186	4684	4151	-1056
903+50.00	50.00	41.3	22.0	133.6	77	41	223	4761	4430	-1298
904+00.00	50.00	34.6	22.0	141.3	70	41	255	4831	4749	-1588
904+50.00	50.00	24.8	22.0	159.1	55	41	278	4886	5096	-1921
905+00.00	50.00	10.0	24.0	280.8	32	43	407	4918	5605	-2441
905+50.00	50.00	4.8	28.0	281.5	14	48	521	4932	6256	-3126
905+69.89	19.89 BACK	6.4	6.5	220.5	4	13	185	4936	6488	-3367
			Column totals		4936	1815	5190			

STH 42/57 SB STA 907+39.93 TO STA 915+21.37

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
907+39.93	AHEAD	97.0	16.0	34.1	0	0	0	0	0	0
907+50.00	10.07	202.4	16.0	43.9	56	6	15	56	19	31
908+00.00	50.00	243.5	16.0	0.4	413	30	41	469	70	363
908+50.00	50.00	441.1	36.0	0.0	634	48	0	1103	70	948
909+00.00	50.00	195.0	33.0	0.0	589	64	0	1692	70	1474
909+50.00	50.00	128.4	29.0	0.0	299	57	0	1991	70	1716
910+00.00	50.00	91.5	27.0	0.1	204	52	0	2195	70	1868
910+50.00	50.00	76.5	25.0	0.0	156	48	0	2351	70	1975
911+00.00	50.00	45.0	25.0	0.0	113	46	0	2464	70	2042
911+50.00	50.00	35.5	25.0	0.0	74	46	0	2538	70	2070
912+00.00	50.00	18.8	22.0	0.7	50	44	1	2588	71	2075
912+50.00	50.00	14.1	17.0	3.2	30	36	4	2618	76	2065
913+00.00	50.00	15.6	15.0	0.5	28	30	3	2646	80	2058
913+50.00	50.00	19.6	15.0	0.0	33	28	1	2679	81	2062
914+00.00	50.00	22.2	15.0	0.0	39	28	0	2718	81	2073
914+50.00	50.00	25.5	15.0	0.0	44	28	0	2762	81	2089
915+00.00	50.00	29.4	15.0	0.0	51	28	0	2813	81	2111
915+21.37	21.37 BACK	31.9	15.0	0.0	24	12	0	2837	81	2124
			Column totals		2837	631	65			

MICHIGAN STREET EB STA 115+60.00 TO STA 124+69.13

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
115+60.00	AHEAD	55.4	14.0	0.0	0	0	0	0	0	0
116+00.00	40.00	53.3		18.6	80	21	14	80	18	42
116+42.76	42.76	35.4	15.0	34.6	70	24	42	150	70	42
	BACK									
116+42.76	AHEAD	24.6	7.0	34.5	0	0	0	0	0	0
116+50.00	7.24	25.5	7.0	23.4	7	2	8	7	10	-4
117+00.00	50.00	7.5	7.0	5.6	31	13	27	38	44	-21
117+50.00	50.00	0.0	5.0	20.2	7	11	24	45	74	-55
118+00.00	50.00	42.8	7.0	31.6	40	11	48	85	134	-86
118+50.00	50.00	89.8	9.0	4.8	123	15	34	208	176	-21
118+74.37	24.37	114.6	12.0	7.8	92	9	6	300	184	55
	BACK									
120+65.58	AHEAD	24.3	8.0	87.9	0	0	0	0	0	0
121+00.00	34.42	3.4	5.0	81.0	18	8	108	18	135	-125
121+50.00	50.00	7.0	5.0	33.4	10	9	106	28	268	-257
122+00.00	50.00	4.9	5.0	24.9	11	9	54	39	335	-323
122+08.79	8.79	6.5	5.0	29.9	2	2	9	41	346	-334
	BACK									
122+08.79	AHEAD	6.5	12.0	30.0	0	0	0	0	0	0
122+50.00	41.21	17.0	12.0	25.9	18	18	43	18	54	-54
123+00.00	50.00	35.0	12.0	16.9	48	22	40	66	104	-78
123+50.00	50.00	31.4	12.0	10.8	61	22	26	127	136	-71
124+00.00	50.00	40.2	12.0	10.9	66	22	20	193	161	-52
124+50.00	50.00	58.1	12.0	0.0	91	22	10	284	174	5
124+69.13	19.13	37.6	12.0	0.0	34	9	0	318	174	30
	BACK									
			Column totals		809	249	619			

MICHIGAN STREET WB STA 113+08.57 TO STA 122+18.00

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
113+08.57	AHEAD	2.8	0.0	1.0	0	0	0	0	0	0
113+50.00	41.43	2.8	0.0	0.2	4	0	1	4	1	3
114+00.00	50.00	3.0	0.0	1.3	5	0	1	9	3	7
114+50.00	50.00	2.9	0.0	1.2	5	0	2	14	5	10
115+00.00	50.00	1.3	0.0	2.1	4	0	3	18	9	10
115+50.00	50.00	1.0	0.0	3.5	2	0	5	20	15	6
115+60.00	10.00	0.6	0.0	3.3	0	0	1	20	16	5
	BACK									
116+42.76	AHEAD	35.5	8.0	0.1	0	0	0	0	0	0
116+50.00	7.24	35.2	8.0	0.2	9	2	0	9	0	7
117+00.00	50.00	10.5	7.0	5.8	42	14	6	51	8	28
117+50.00	50.00	0.0	1.3	55.3	10	8	57	61	79	-41
118+00.00	50.00	11.8	7.0	49.0	11	8	97	72	200	-160
118+50.00	50.00	58.7	8.0	56.6	65	14	98	137	323	-231
118+86.34	36.34	113.0	11.0	66.1	116	13	83	253	426	-232
	BACK									
120+78.23	AHEAD	28.6	12.0	0.3	0	0	0	0	0	0
121+00.0	21.77	13.7	12.0	43.5	17	10	18	17	23	-15
121+50.0	50.00	2.0	12.0	10.4	15	22	50	32	85	-85
122+00.00	50.00	9.2	9.0	6.8	10	19	16	42	105	-114
122+18.00	18.00	2.4	8.0	8.0	4	6	5	46	111	-122
	BACK									
				Column totals	319	116	443			

MICHIGAN STREET ICD STA 500+00.00 TO STA 503+80.13

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
500+00.00	AHEAD	97.1	60.0	70.9	0	0	0	0	0	0
500+50.00	50.00	83.7	60.0	40.8	114	76	70	114	88	4
501+00.00	50.00	115.9	60.0	19.0	126	76	38	240	135	65
501+50.00	50.00	118.1	60.0	17.9	147	76	23	387	164	177
502+00.00	50.00	62.9	60.0	45.3	114	76	40	501	214	219
502+50.00	50.00	34.4	60.0	82.2	61	76	80	562	314	133
503+00.00	50.00	6.1	60.0	211.9	25	76	185	587	545	-137
503+50.00	50.00	69.6	60.0	104.5	48	76	199	635	794	-392
503+80.13	30.13	97.1	60.0	70.9	62	44	65	697	875	-424
	BACK									
				Column totals	697	576	700			

MICHIGAN NE CURB STA 171+78.61 TO STA 172+51.93

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
171+78.61	AHEAD	20.5	0.0	58.5	0	0	0	0	0	0
172+00.00	21.39	24.2	0.0	72.2	18	0	52	18	65	-47
172+51.93	51.93	32.8	0.0	83.5	55	0	150	73	253	-180
	BACK									
				Column totals	73	0	202			

MICHIGAN SE CURB STA 142+40.18 TO STA 143+19.41

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
142+40.18	AHEAD	100.0	0.0	0.0	0	0	0	0	0	0
142+50.00	9.82	99.8	0.0	0.0	36	0	0	36	0	36
143+00.00	50.00	43.4	0.0	43.9	133	0	41	169	51	118
143+19.41	19.41	19.5	0.0	60.9	23	0	38	192	99	93
	BACK									
				Column totals	192	0	79			

MICHIGAN SW CURB STA 151+30.04 TO STA 152+12.86

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
151+30.04	AHEAD	103.7	0.0	65.9	0	0	0	0	0	0
151+50.00	19.96	122.5	0.0	8.6	84	0	28	84	35	49
152+00.00	50.00	134.8	0.0	10.2	238	0	17	322	56	266
152+12.86	12.86	127.2	0.0	12.9	62	0	5	384	63	322
	BACK									
				Column totals	384	0	50			

MICHIGAN NW CURB STA 162+51.84 TO STA 163+40.49

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
162+51.84	AHEAD	142.2	0.0	4.0	0	0	0	0	0	0
163+00.00	48.16	170.7	0.0	96.1	279	0	89	279	111	168
163+40.49	40.49	194.7	0.0	11.0	274	0	80	553	211	342
	BACK									
				Column totals	553	0	169			

ALABAMA STREET STA 218+00.00 TO STA 222+05.00

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
218+00.00	AHEAD	72.3	12.0	0.5	0	0	0	0	0	0
218+50.00	50.00	69.8	13.0	0.0	132	23	0	132	0	109
219+00.00	50.00	69.7	19.0	3.1	129	30	3	261	4	204
219+50.00	50.00	115.9	30.0	99.4	172	45	95	433	123	212
219+55.99	5.99	137.5	31.0	36.5	28	7	15	461	141	215
	BACK									
220+44.01	AHEAD	138.1	28.0	63.5	0	0	0	0	0	0
220+50.00	5.99	126.6	28.0	140.2	29	6	23	29	29	-5
220+78.10	28.10	240.5	20.0	34.4	191	25	91	220	143	47
221+00.00	21.90	157.5	17.0	16.4	161	15	21	381	169	167
221+50.00	50.00	59.1	12.0	0.9	201	27	16	582	189	321
222+00.00	50.00	68.3	11.0	0.2	118	21	1	700	190	416
222+05.00	5.00	67.4	11.0	1.2	13	2	0	713	190	427
	BACK									
				Column totals	1174	201	265			

EGG HARBOR ROAD EB STA 315+50.00 TO STA 320+07.06

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
315+50.00	AHEAD	28.7	11.0	0.0	0	0	0	0	0	0
316+00.00	50.00	33.6	11.0	0.0	58	20	0	58	0	38
316+50.00	50.00	33.5	11.0	0.0	62	20	0	120	0	80
317+00.00	50.00	37.9	11.0	0.0	66	20	0	186	0	126
317+50.00	50.00	38.6	11.0	0.0	71	20	0	257	0	177
318+00.00	50.00	39.4	11.0	0.0	72	20	0	329	0	229
318+50.00	50.00	33.5	11.0	0.0	67	20	0	396	0	277
319+00.00	50.00	56.3	19.0	0.0	83	28	0	479	0	332
319+50.00	50.00	51.5	19.0	14.6	100	35	14	579	18	379
320+00.00	50.00	46.0	22.0	71.5	90	38	80	669	118	331
320+07.06	7.06	43.3	22.0	77.6	12	6	19	681	141	313
	BACK									
				Column totals	681	227	113			

EGG HARBOR ROAD WB STA 315+50.00 TO STA 320+11.10

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
315+50.00	AHEAD	33.7	11.0	0.0	0	0	0	0	0	0
316+00.00	50.00	27.2	11.0	0.0	56	20	0	56	0	36
316+50.00	50.00	33.8	14.0	0.0	56	23	0	112	0	70
317+00.00	50.00	49.2	14.0	0.0	77	26	0	189	0	121
317+50.00	50.00	54.5	18.0	0.0	96	30	0	285	0	187
318+00.00	50.00	52.3	19.0	0.0	99	34	0	384	0	252
318+50.00	50.00	63.2	22.0	0.0	107	38	0	491	0	321
319+00.00	50.00	98.5	28.0	0.0	150	46	0	641	0	424
319+50.00	50.00	248.0	26.0	10.2	321	50	9	962	11	684
320+00.00	50.00	381.1	28.0	158.4	583	50	156	1545	206	1021
320+11.10	11.10	364.1	28.0	151.9	153	12	64	1698	286	1083
	BACK									
				Column totals	1698	329	229			

EGG HARBOR ROAD ICD STA 600+00.00 TO STA 603+80.13

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
600+00.00	AHEAD	51.5	45.0	2.5	0	0	0	0	0	0
600+50.00	50.00	27.4	45.0	97.9	50	57	63	50	79	-63
601+00.00	50.00	106.6	45.0	0.1	84	57	62	134	156	-73
601+50.00	50.00	129.6	45.0	0.0	149	57	0	283	156	89
602+00.00	50.00	117.7	45.0	0.0	156	57	0	439	156	261
602+50.00	50.00	149.3	45.0	0.0	168	57	0	607	156	451
603+00.00	50.00	172.7	45.0	0.0	203	57	0	810	156	692
603+50.00	50.00	120.9	45.0	3.7	185	57	2	995	159	904
603+80.13	30.13	51.5	45.0	2.5	64	33	2	1059	161	965
	BACK									
				Column totals	1059	432	129			

EGG HARBOR EAST CURB STA 342+40.71 TO STA 344+44.89

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
342+40.71	AHEAD	92.3	0.0	23.7	0	0	0	0	0	0
342+50.00	9.29	60.3	0.0	59.0	26	0	14	26	18	9
343+00.00	50.00	0.0	0.0	239.7	56	0	277	82	364	-282
343+50.00	50.00	0.0	0.0	223.5	0	0	429	82	900	-818
344+00.00	50.00	0.0	0.0	85.3	0	0	286	82	1258	-1175
344+31.00	31.00	0.9	0.0	205.5	1	0	167	83	1466	-1384
344+44.89	13.89	0.0	0.0	196.1	0	0	103	83	1595	-1512
	BACK									
				Column totals	83	0	1276			

EGG HARBOR SW CURB STA 361+27.82 TO STA 362+08.08

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
361+27.82	AHEAD	0.2	0.0	282.1	0	0	0	0	0	0
361+50.00	22.18	0.0	0.0	258.6	0	0	222	0	278	-277
362+00.00	50.00	27.9	0.0	86.7	26	0	320	26	678	-652
362+08.08	8.08	35.3	0.0	70.4	9		24	35	708	-672
	BACK									
				Column totals	35	0	566			

EGG HARBOR NW CURB STA 381+08.59 TO STA 381+91.94

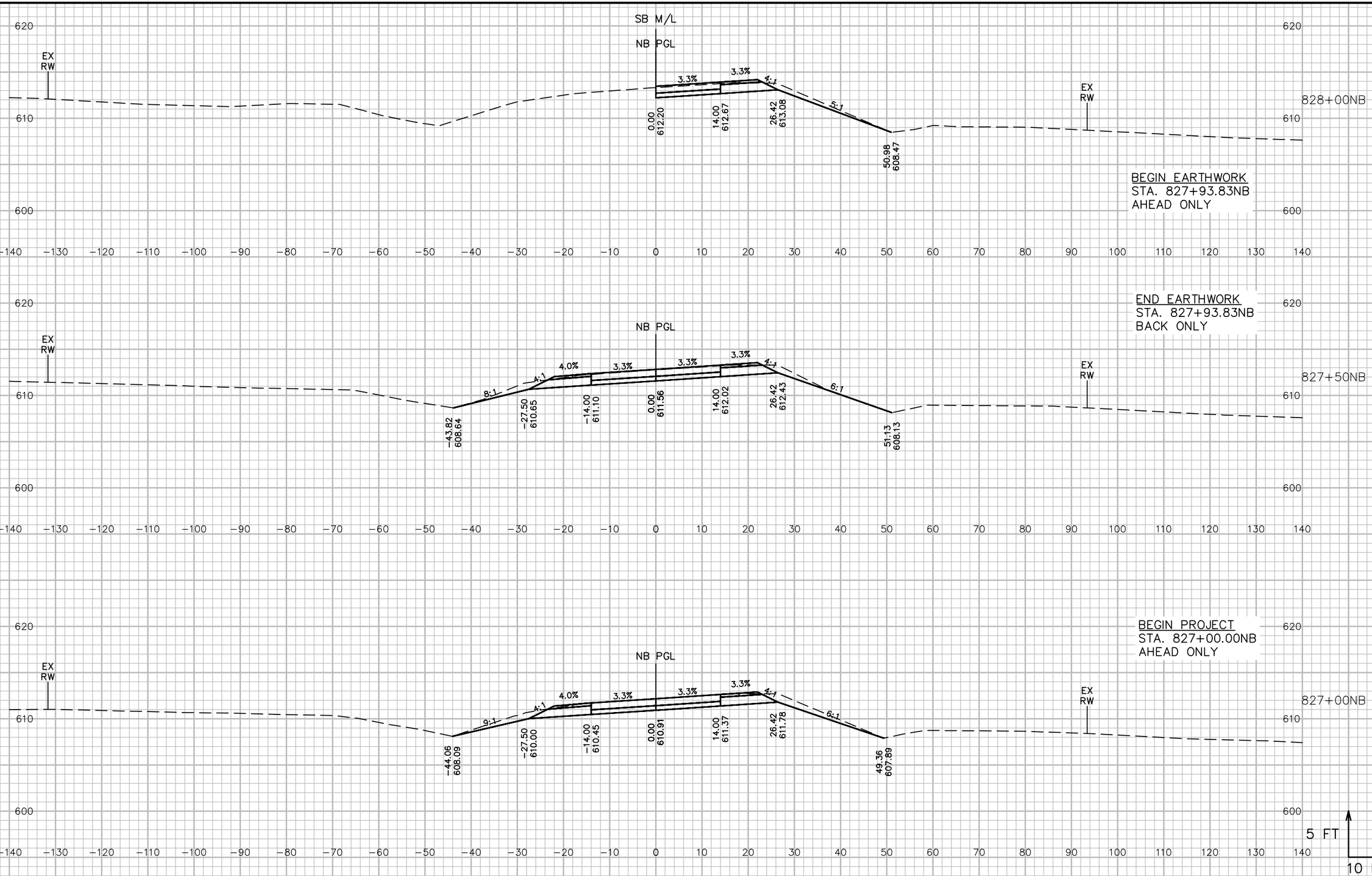
STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
381+08.59	AHEAD	379.1	0.0	154.9	0	0	0	0	0	0
381+50.00	41.41	366.4	0.0	174.6	572	0	253	572	316	255
381+91.94	41.94	442.1	0.0	43.3	628	0	169	1200	528	672
	BACK									
				Column totals	1200	0	422			

BAYVIEW ROAD STA 402+17.00 TO STA 406+82.41

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
402+17.00	AHEAD	90.5	0.0	0.0	0	0	0	0	0	0
402+50.00	33.00	130.1	0.0	4.8	135	0	3	135	4	131
403+00.00	50.00	65.2	0.0	0.3	181	0	5	316	10	306
403+50.00	50.00	0.0	0.0	67.4	0	0	125	316	166	210
404+00.00	50.00	0.0	0.0	95.5	0	0	151	316	355	21
404+50.00	50.00	0.0	0.0	136.1	0	0	215	316	624	-248
405+00.00	50.00	0.0	0.0	126.1	0	0	243	316	928	-551
405+50.00	50.00	13.3	0.0	96.8	12	0	206	328	1185	-797
406+00.00	50.00	58.9	0.0	32.4	67	0	120	395	1335	-880
406+50.00	50.00	76.2	0.0	6.5	125	0	36	520	1380	-800
406+82.41	32.41	78.6	0.0	0.0	93	0	4	613	1385	-712
	BACK									
				Column totals	613	0	1108			

UTAH STREET STA 17+75.00 TO STA 22+75.00

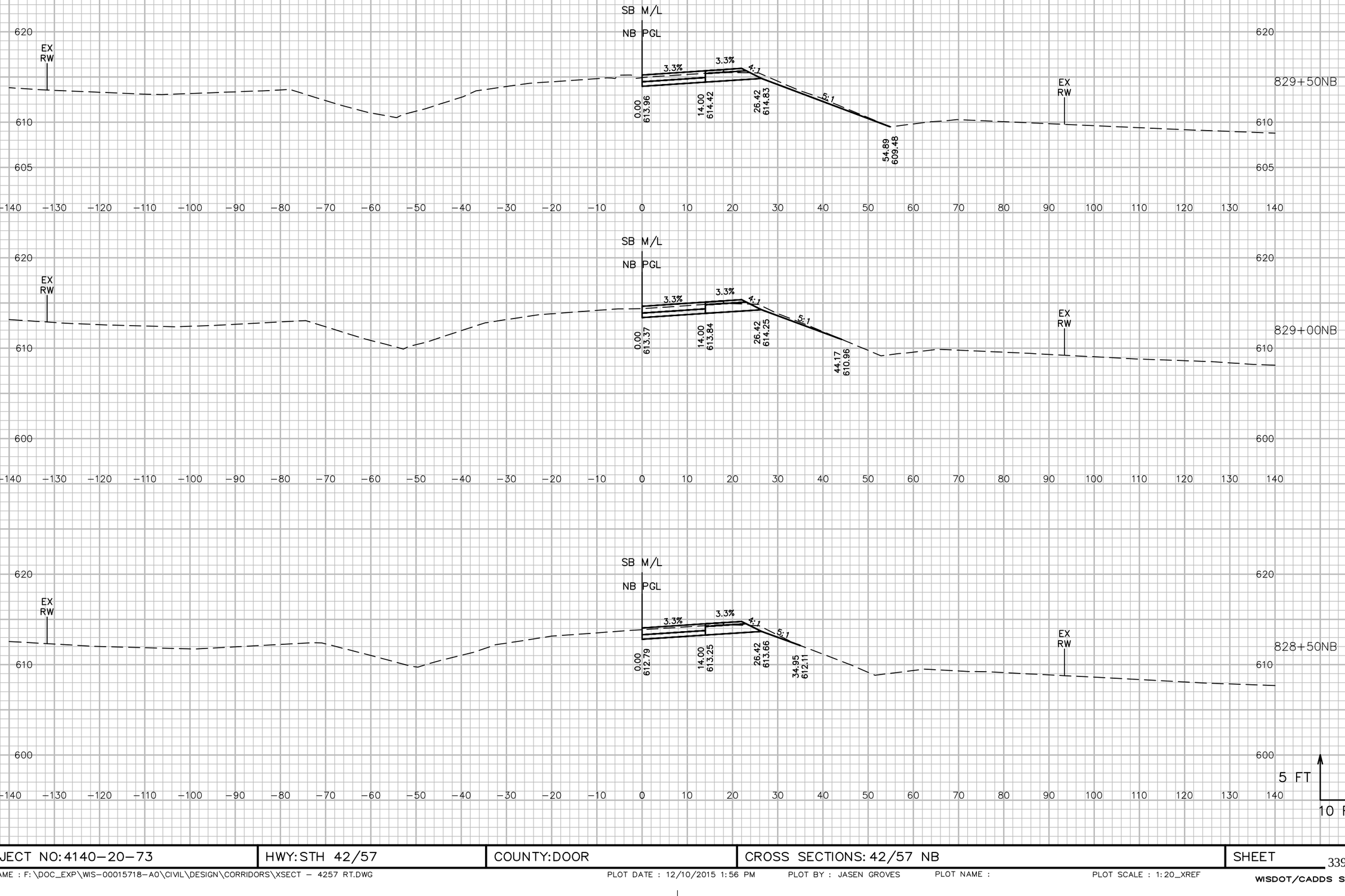
STATION from	STATION to	~~AREA (SF)~~ ~~Cut~~ ~~Salvaged/ Unusable Pavement Material~~ ~~Fill~~	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
17+75.00	22+75.00	No Cross-Sections provided Volumes were computed from areas and depths						
	STAGE 1		40	40	0	40	0	-40
	STAGE 3		36	36	0	76	0	-36
		Column totals	76	76	0			



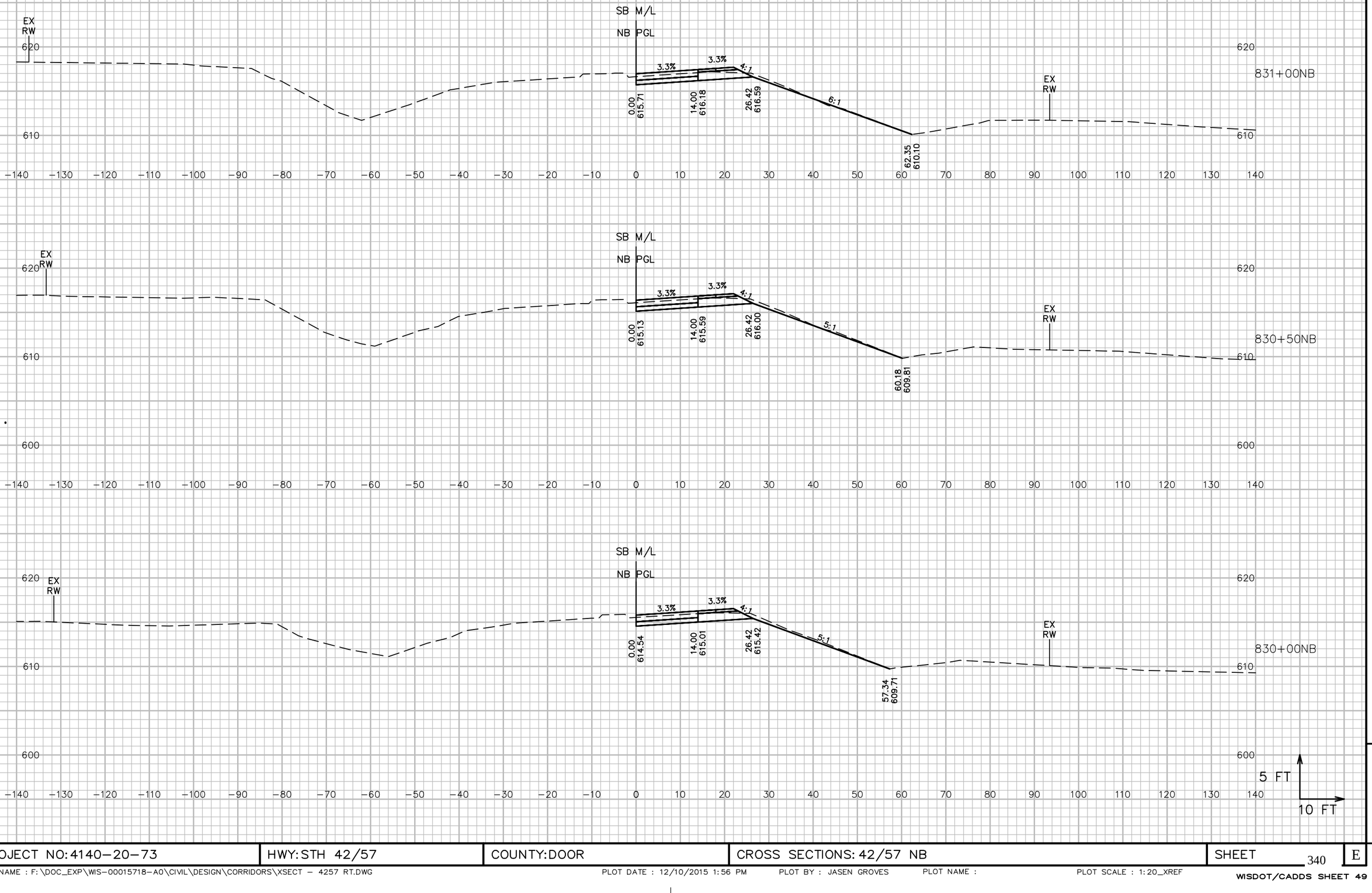
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 338	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 1:56 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

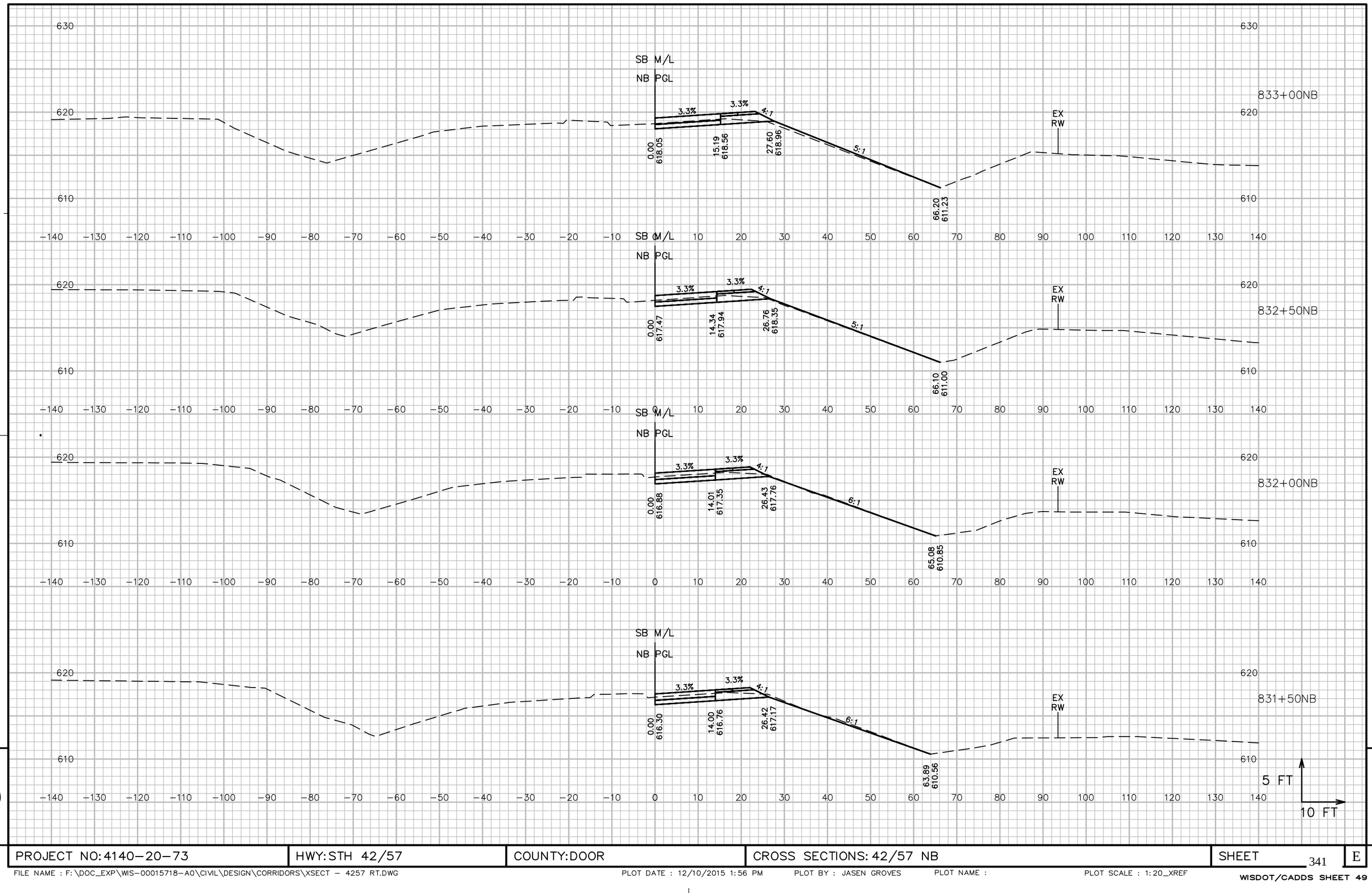


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 339	E

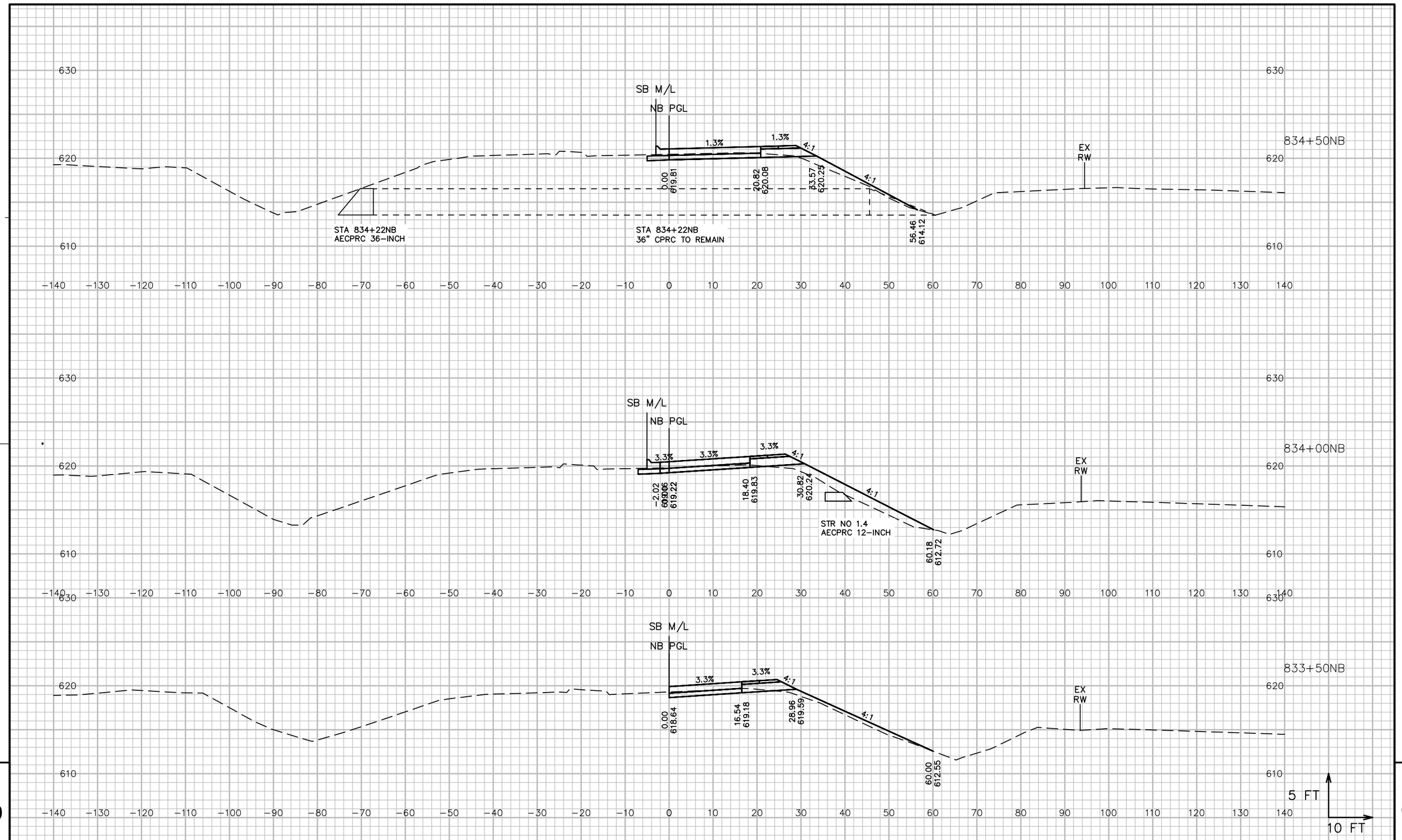


PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 340	E

FILE NAME : F:\DOC_EXP\WIS−00015718−A0\CIVIL\DESIGN\CORRIDORS\XSECT − 4257 RT.DWG
PLOT DATE : 12/10/2015 1:56 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 341	E



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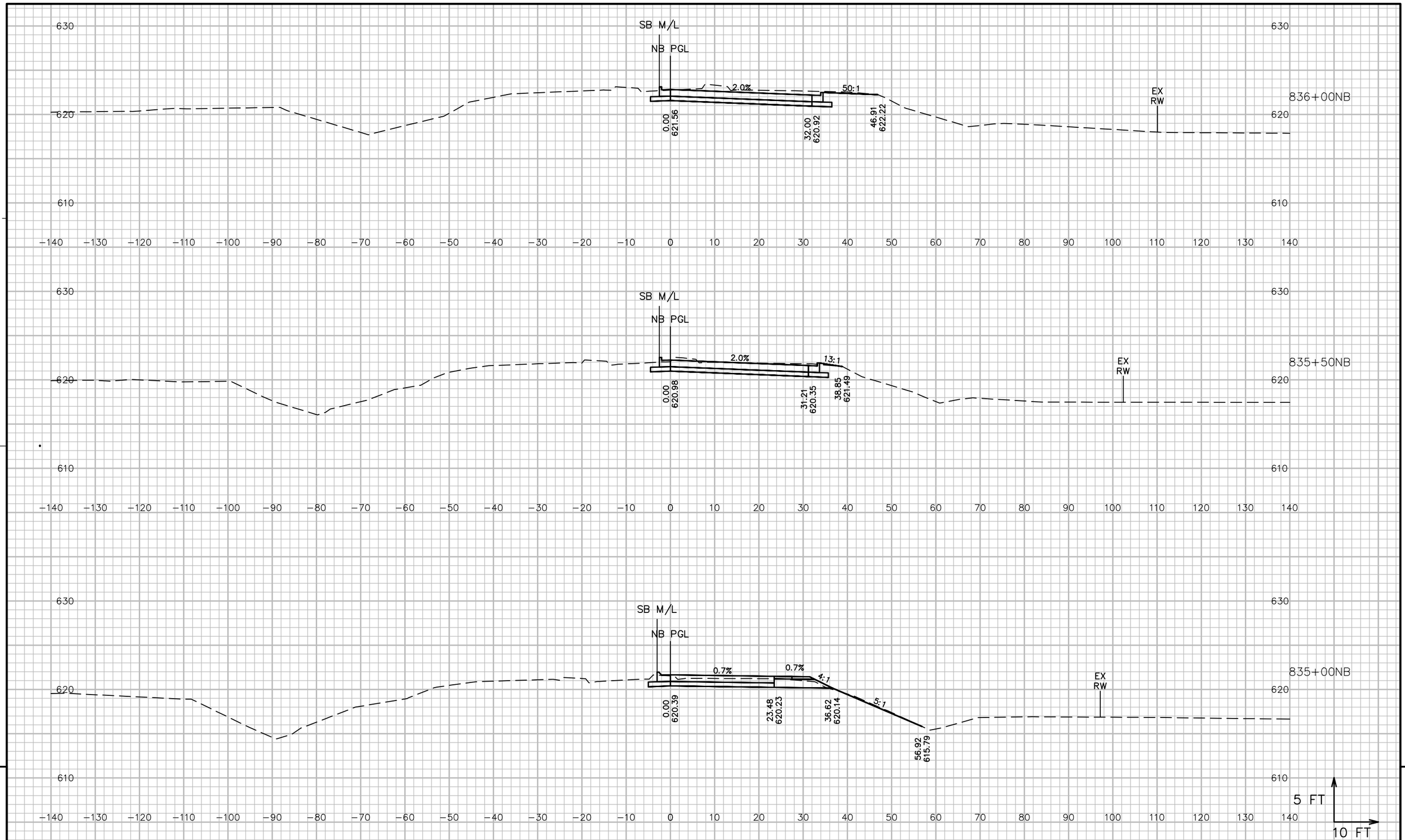

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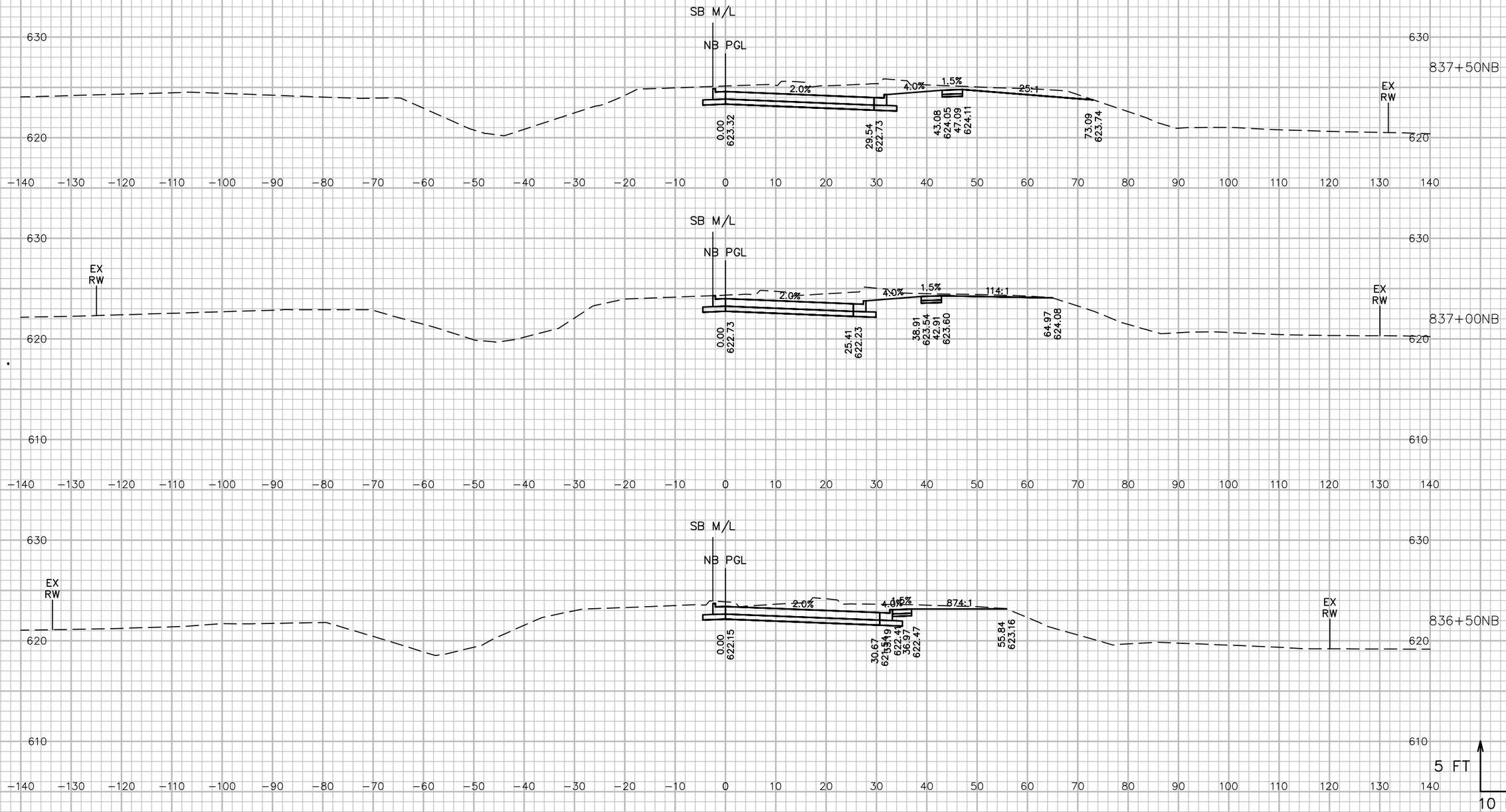
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 343	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 344	E

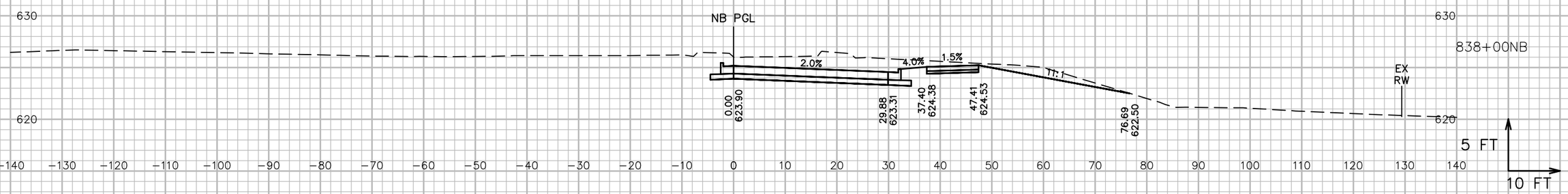
MICHIGAN ROUNDABOUT

MICHIGAN ROUNDABOUT

MICHIGAN ROUNDABOUT

MICHIGAN ROUNDABOUT

END EARTHWORK
STA. 838+00.17NB
BACK ONLY



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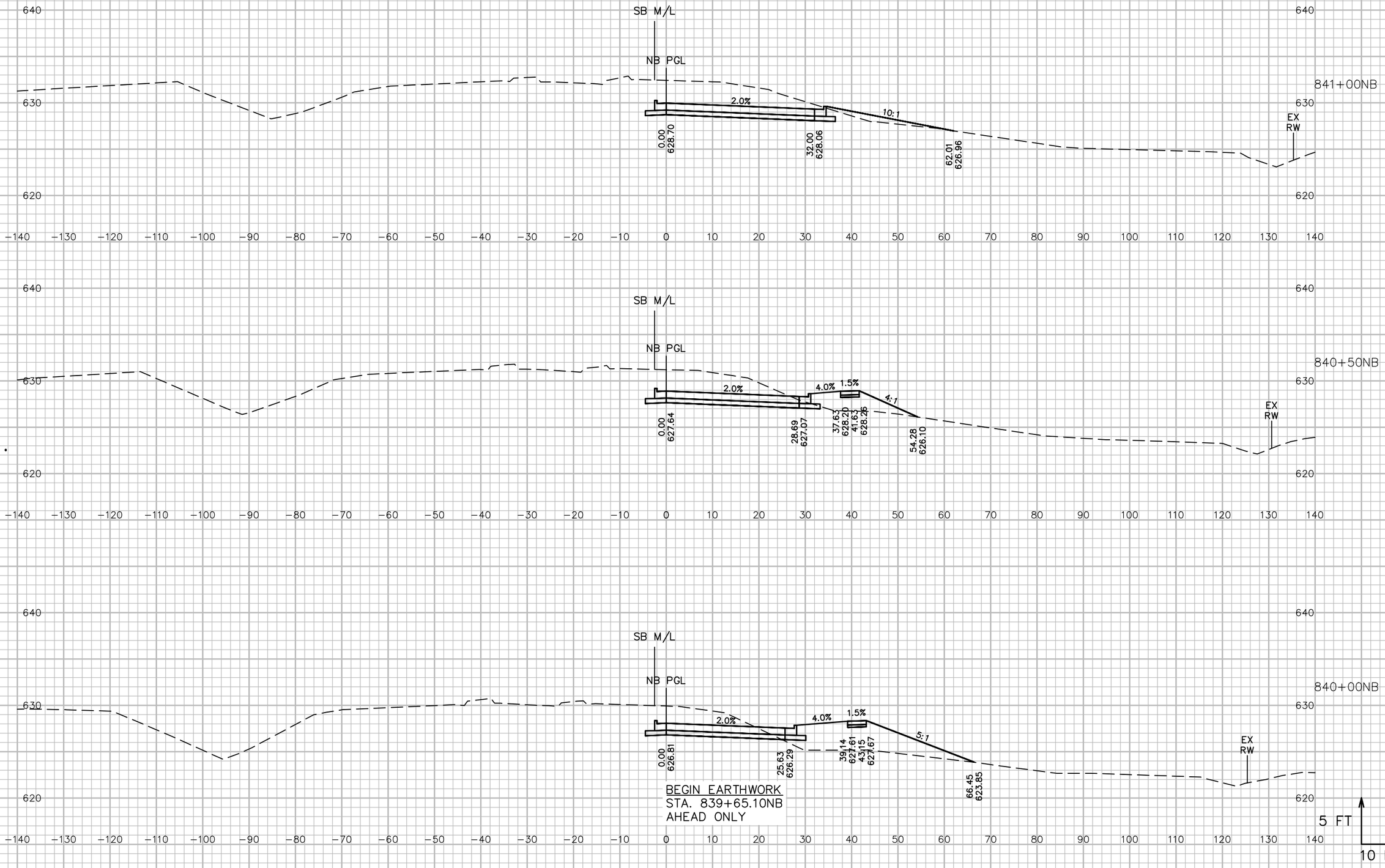

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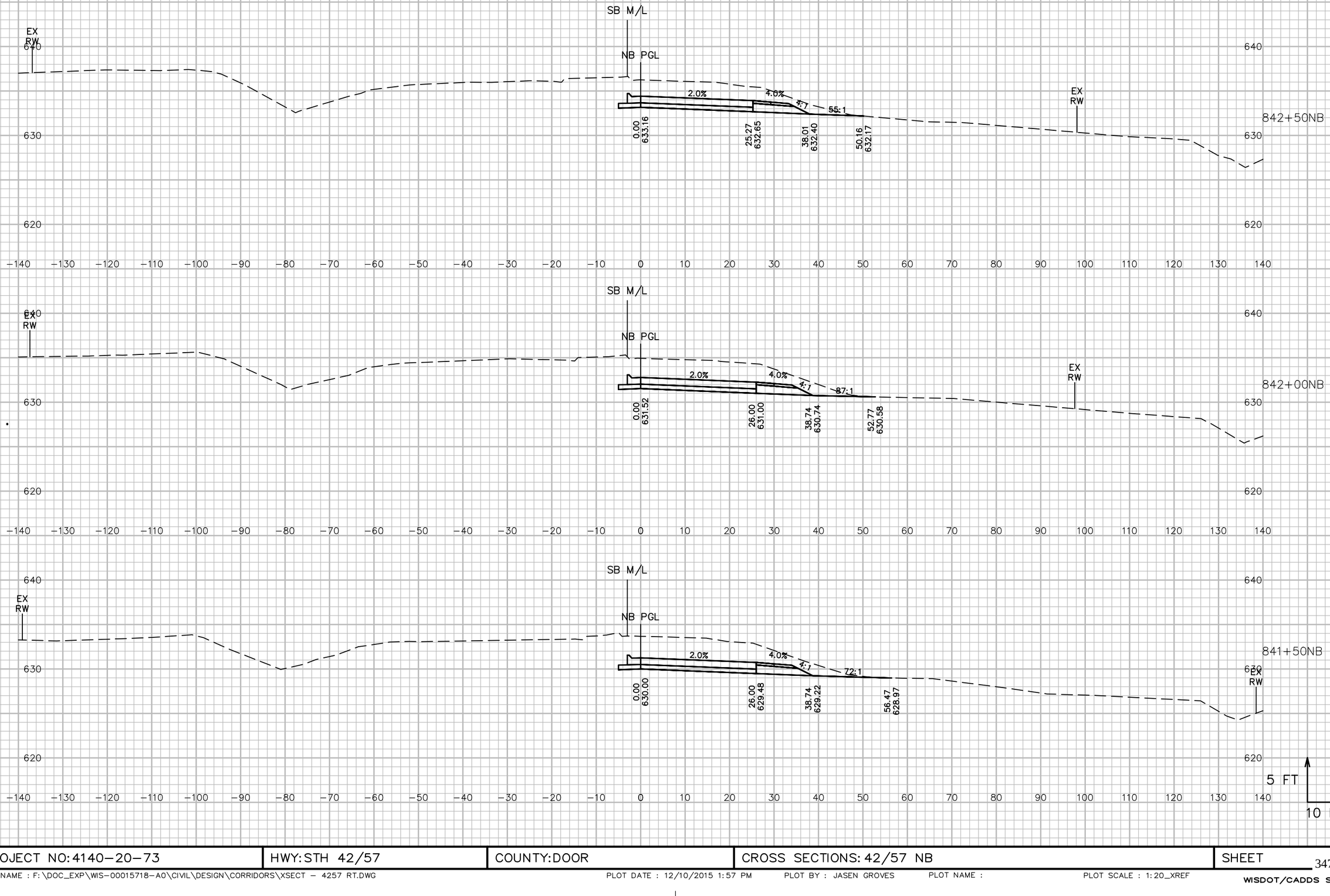
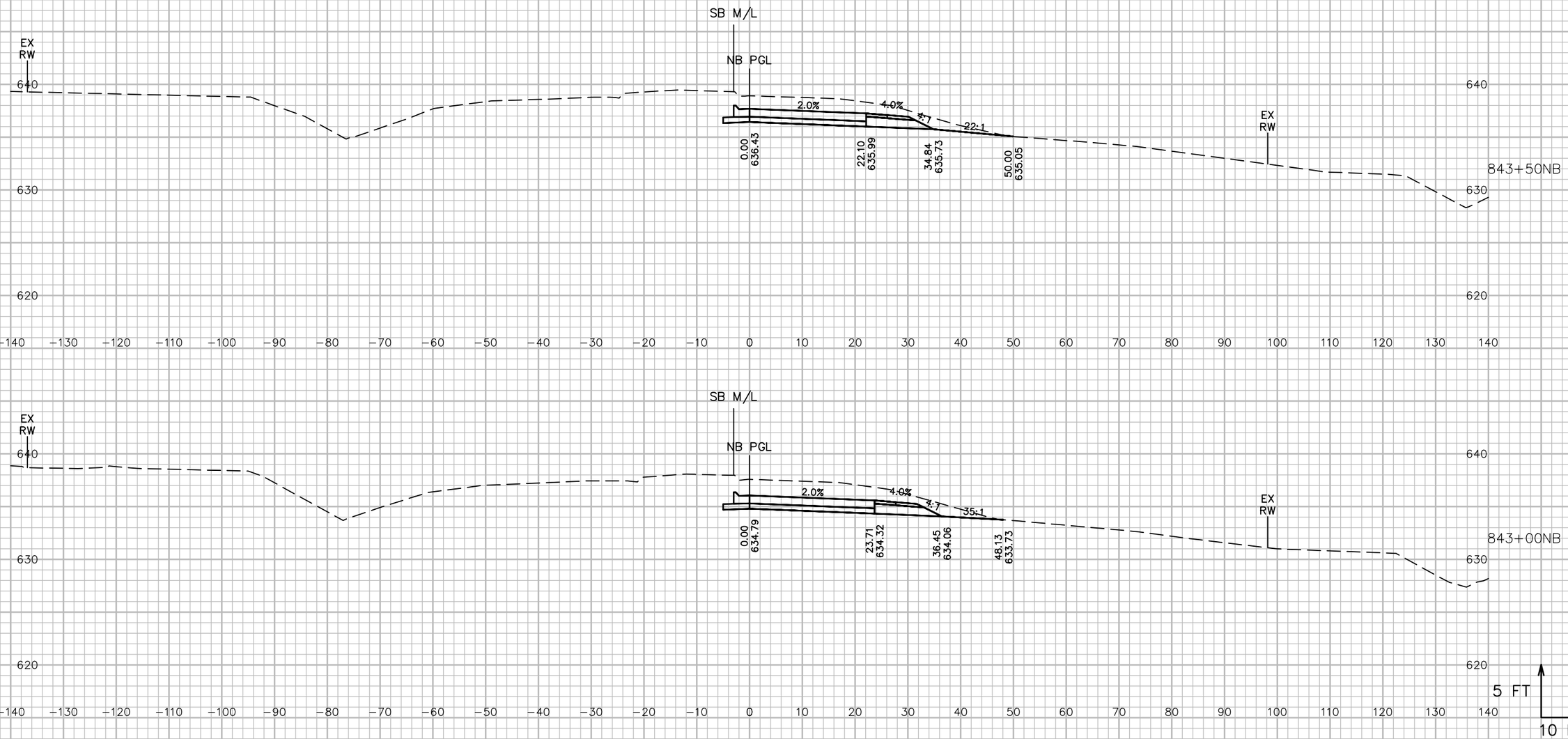
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 346	E



PROJECT NO: 4140–20–73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 347	E



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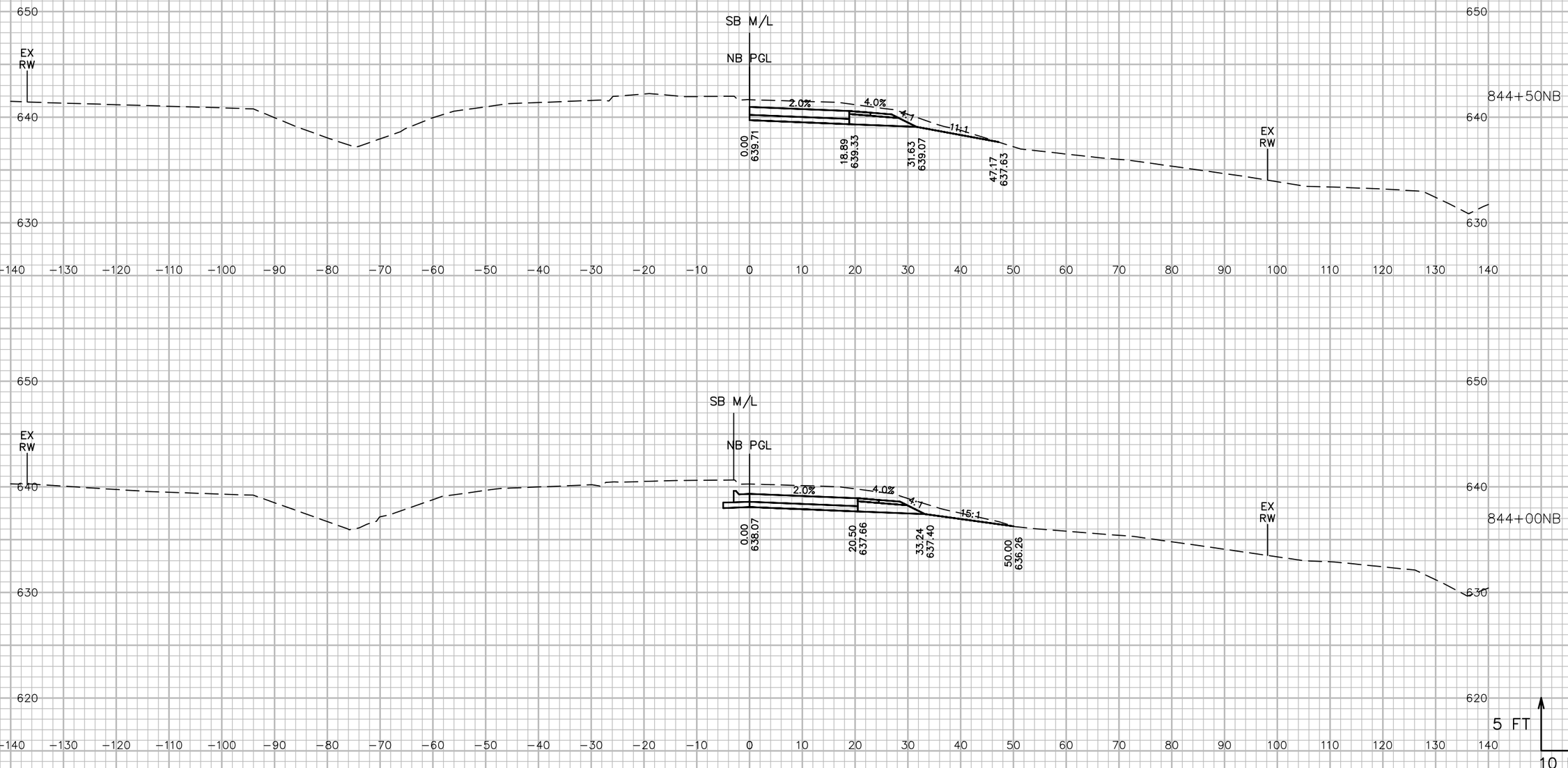

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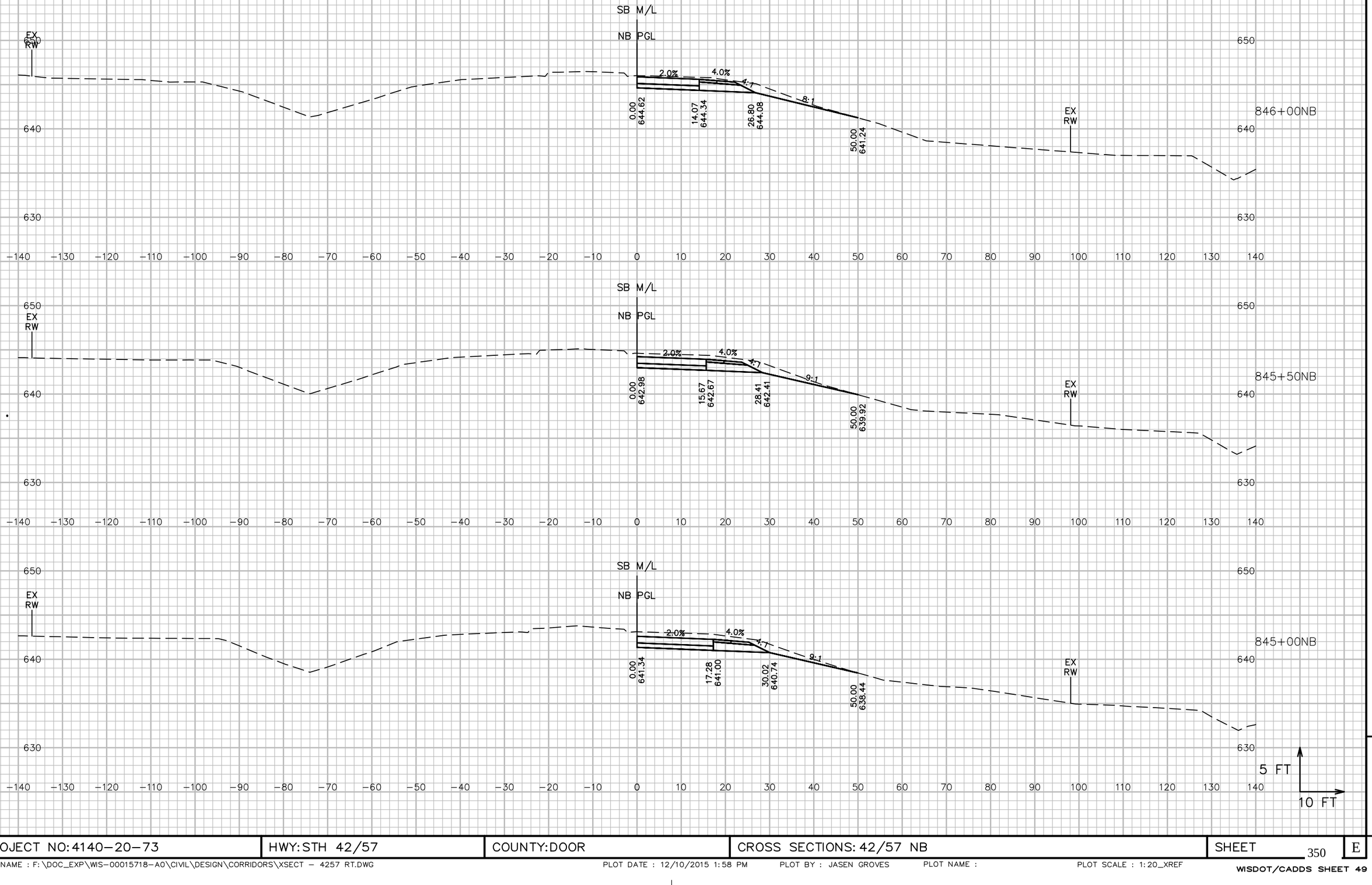
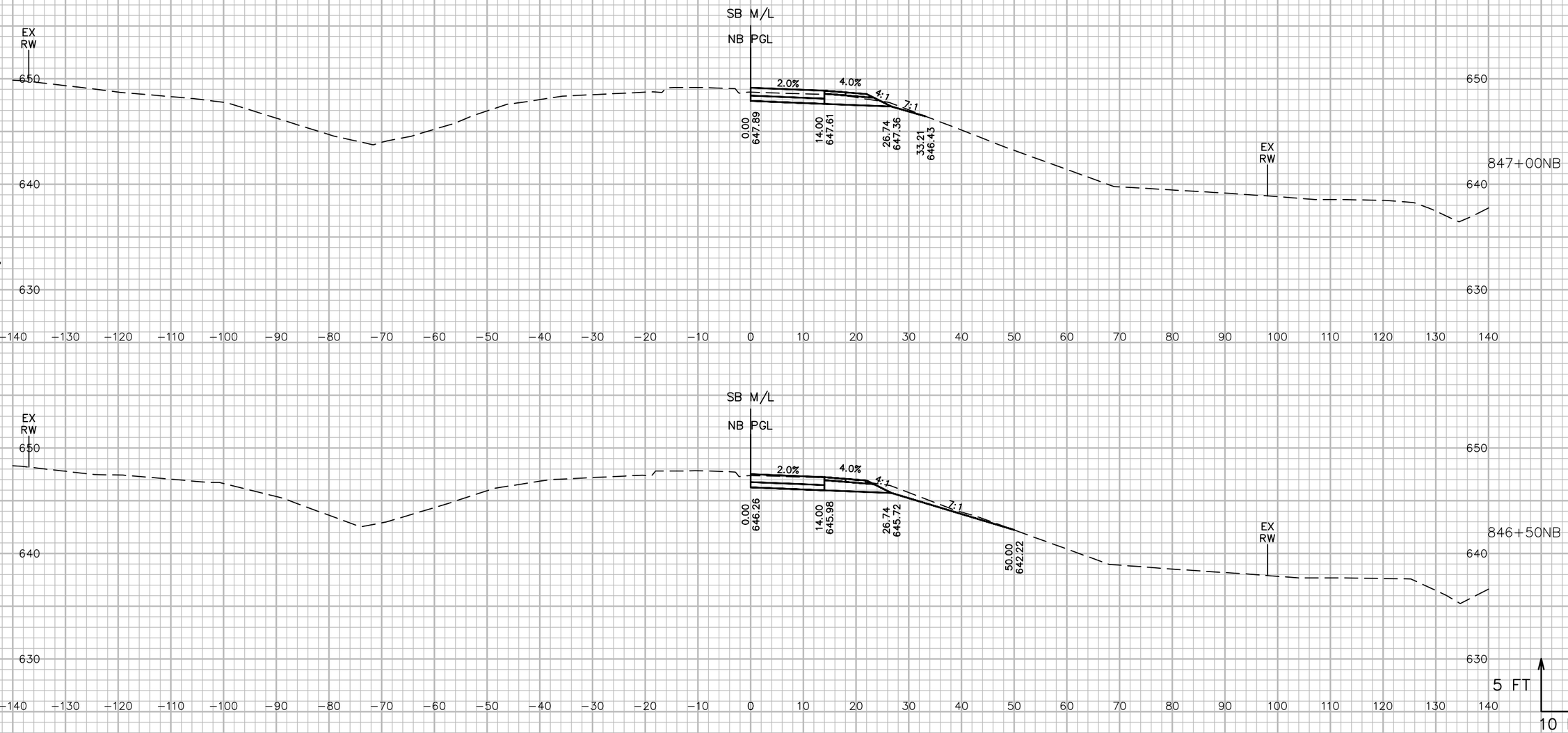
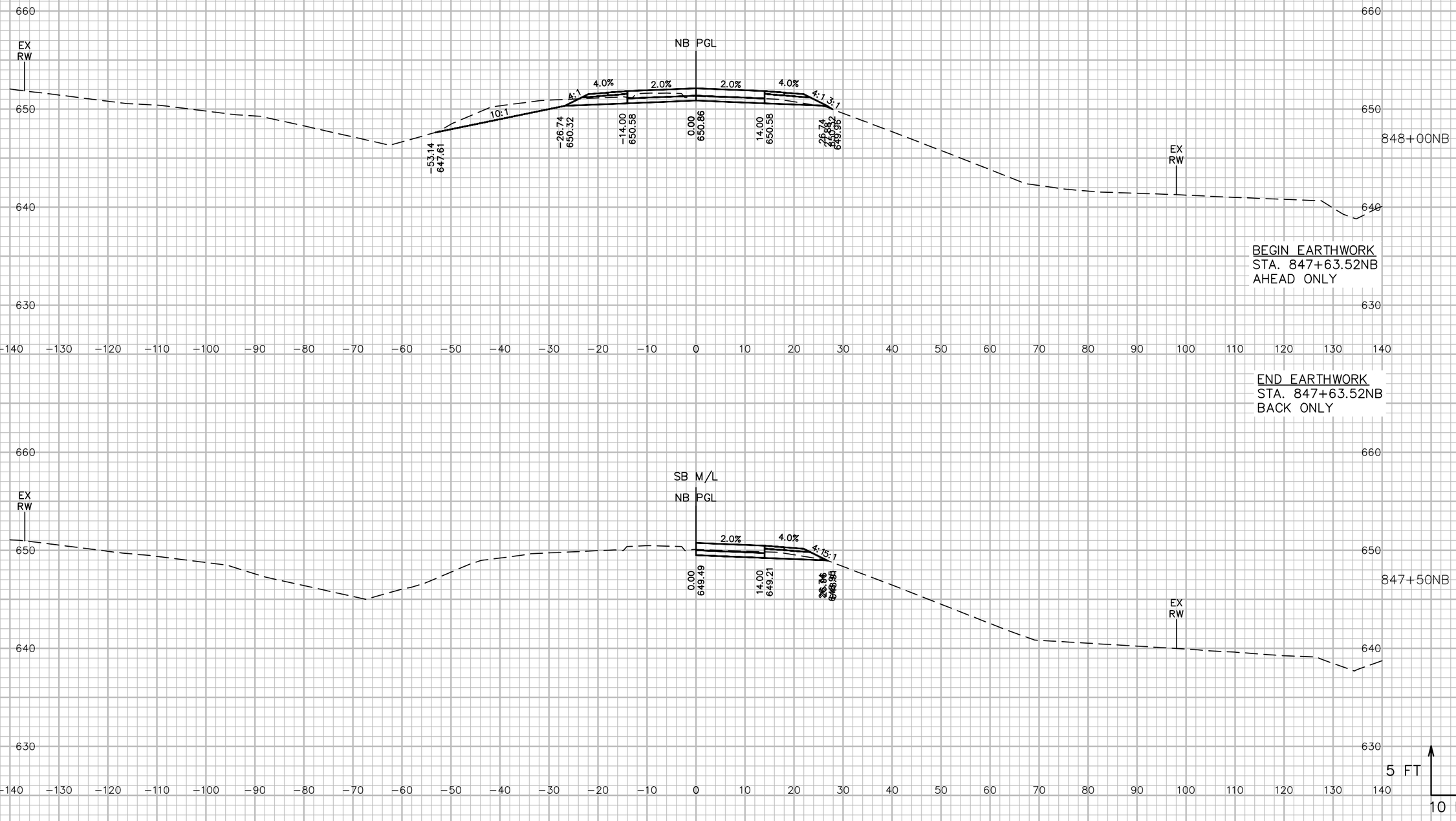
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 349	E



PROJECT NO: 4140–20–73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 350	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 351	E



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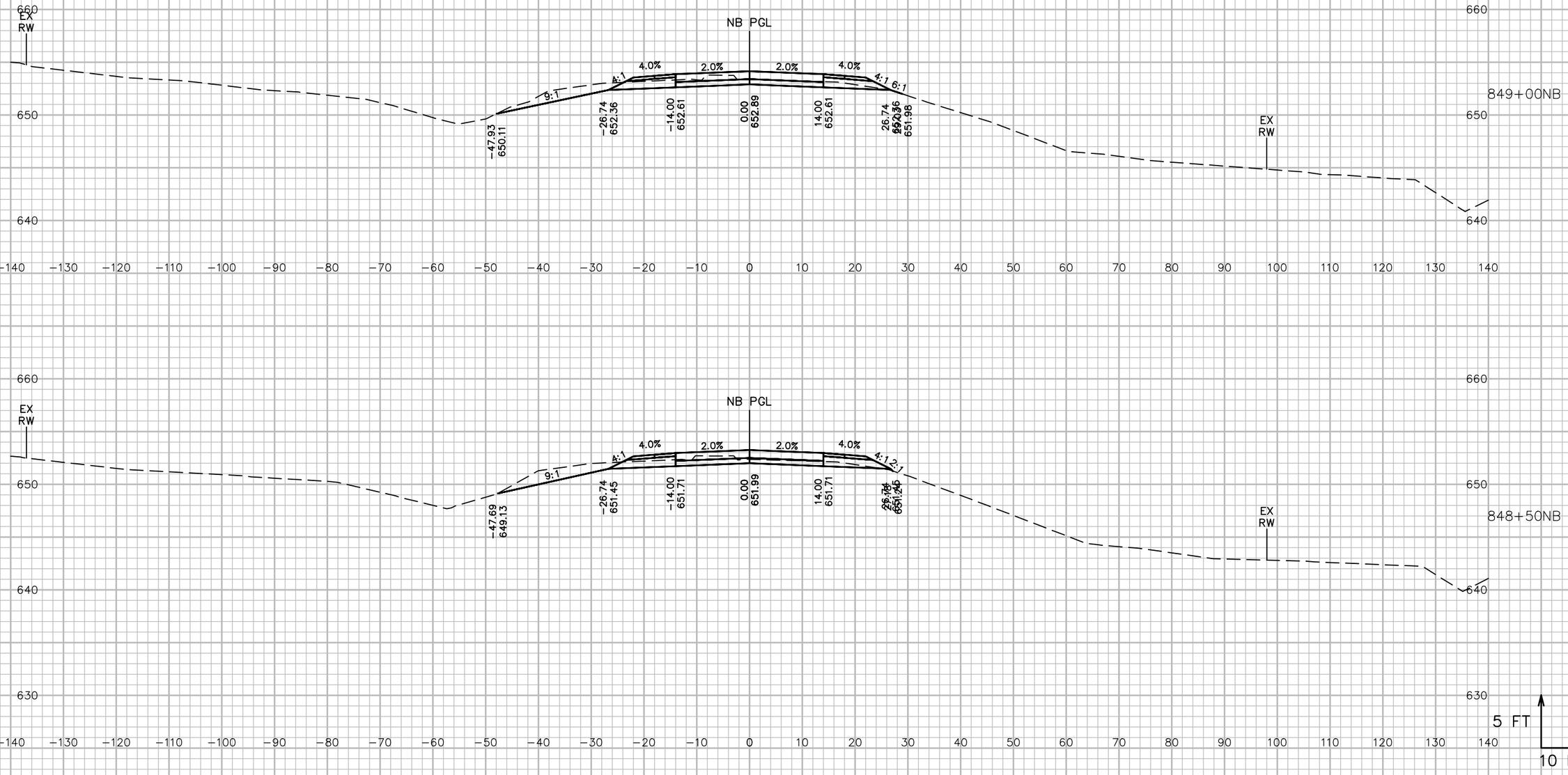
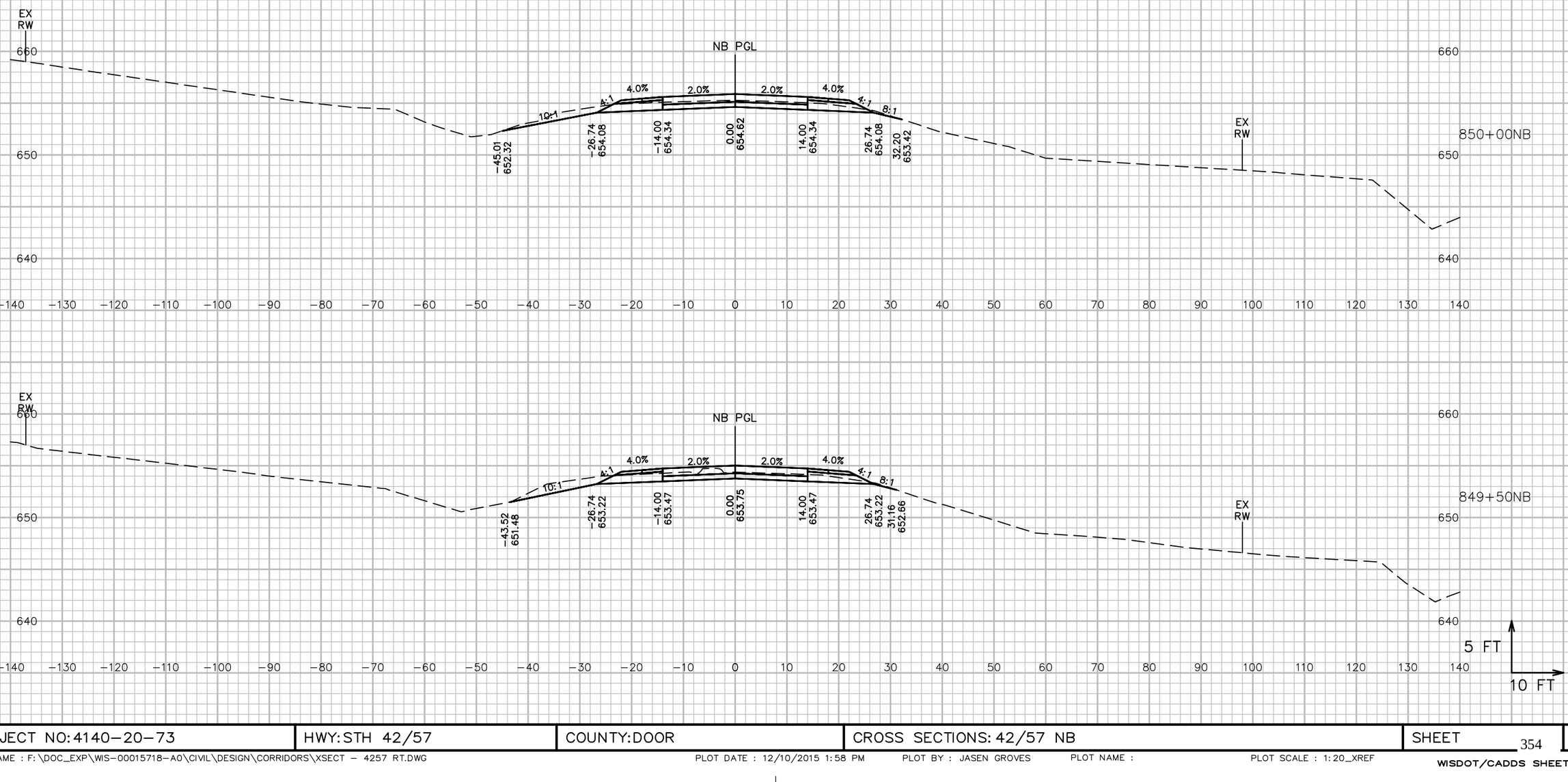


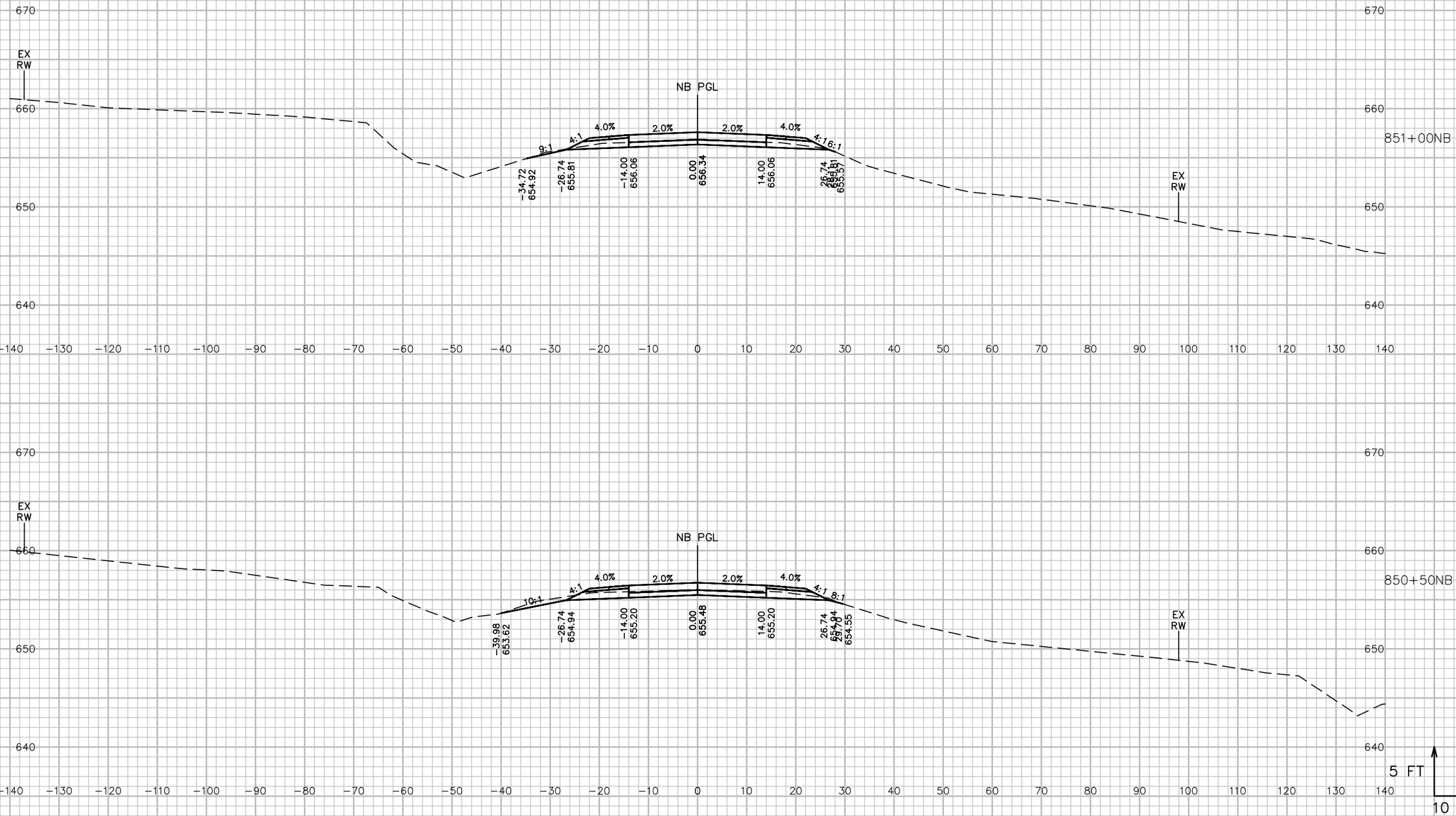
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 353	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 1:58 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 354	E



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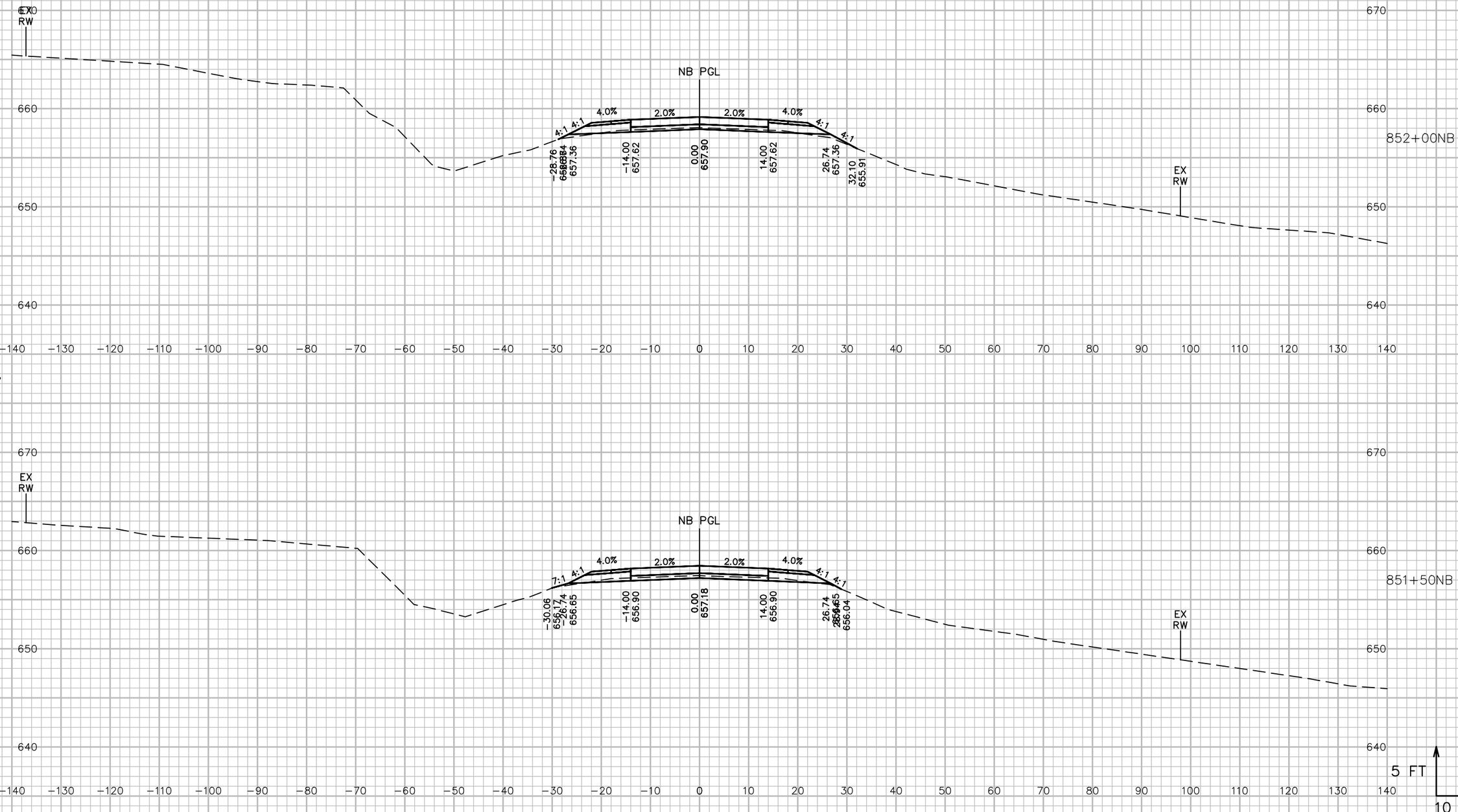
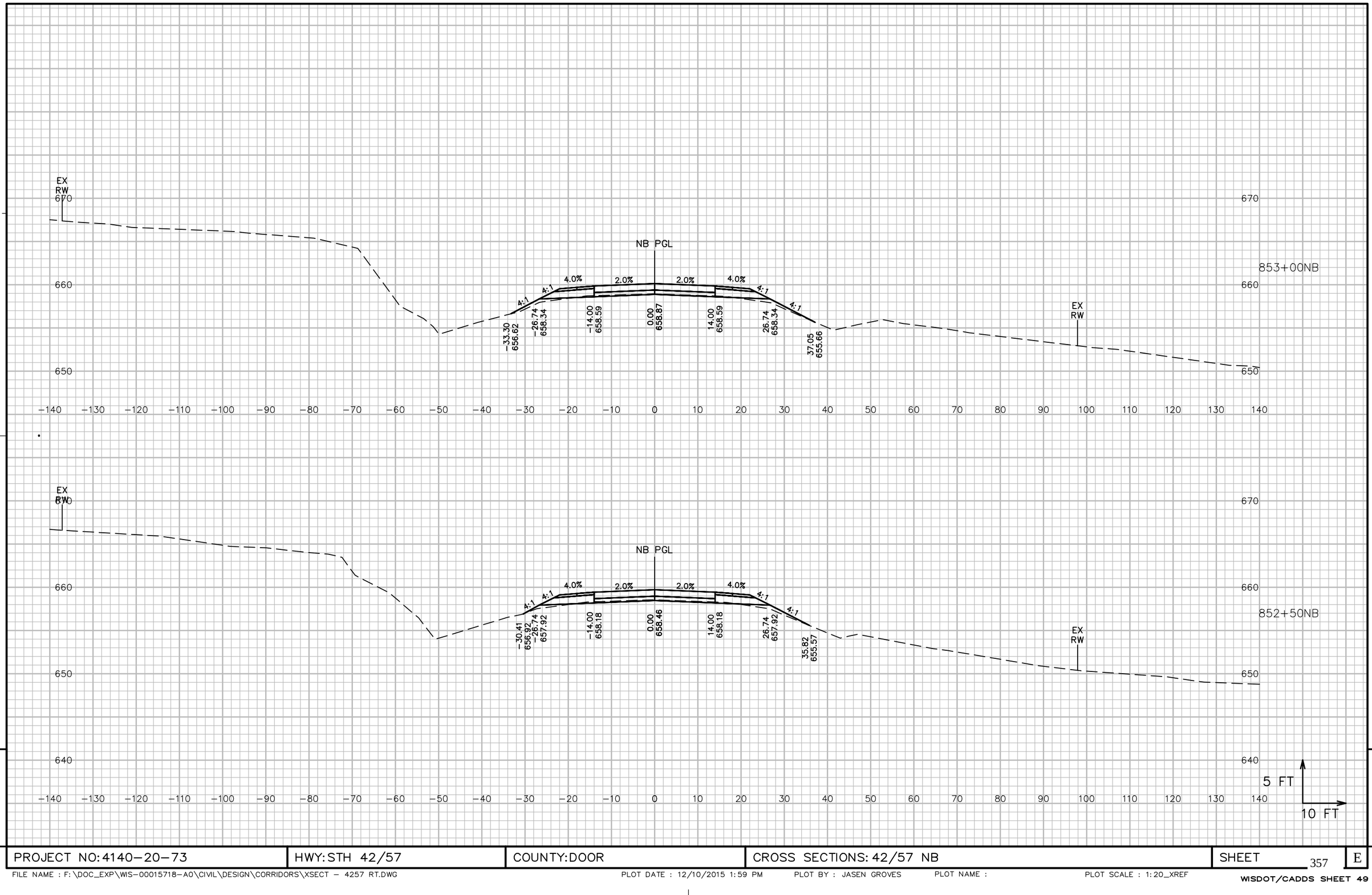
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 355	E

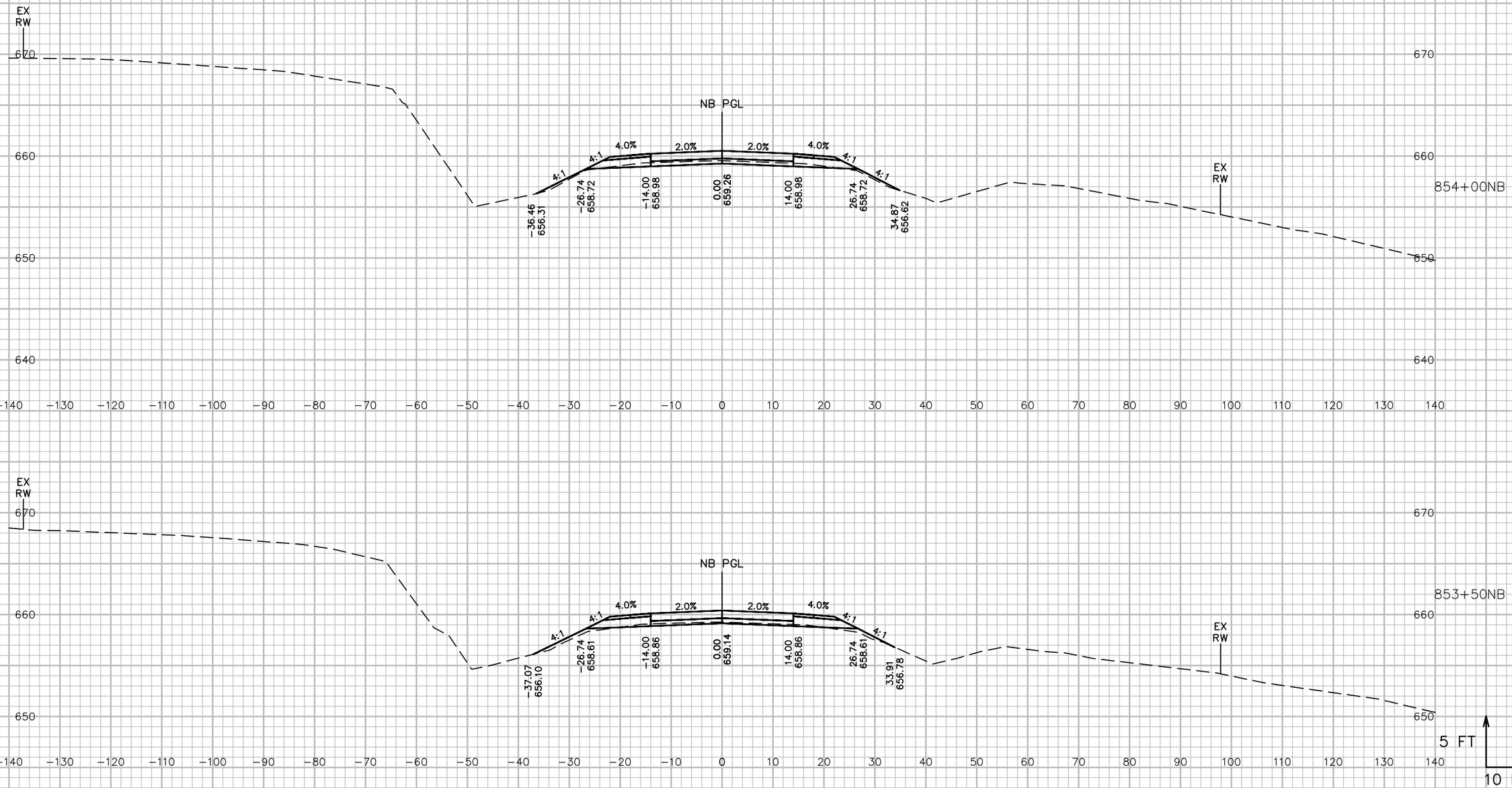


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 356	E

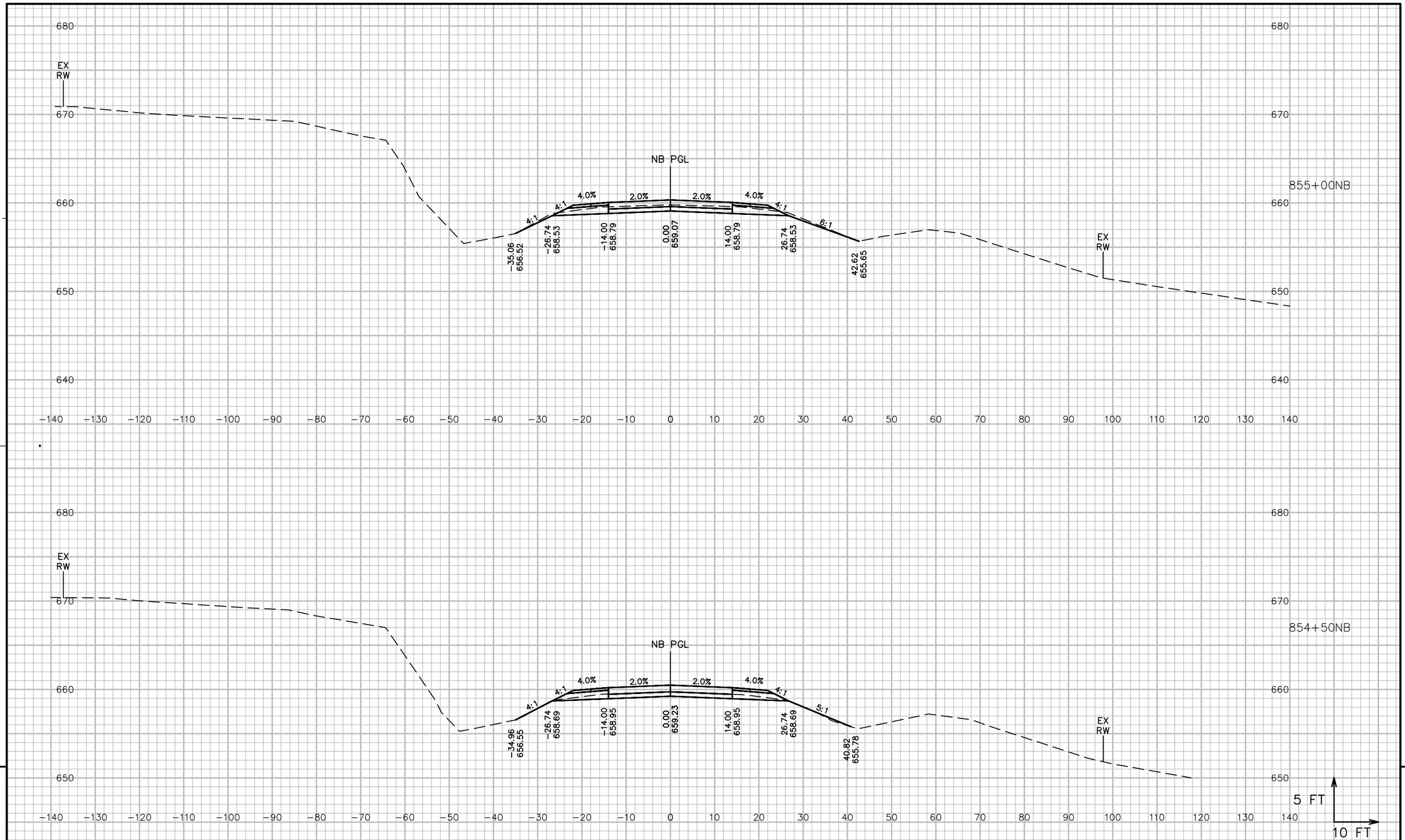


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 357	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 1:59 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



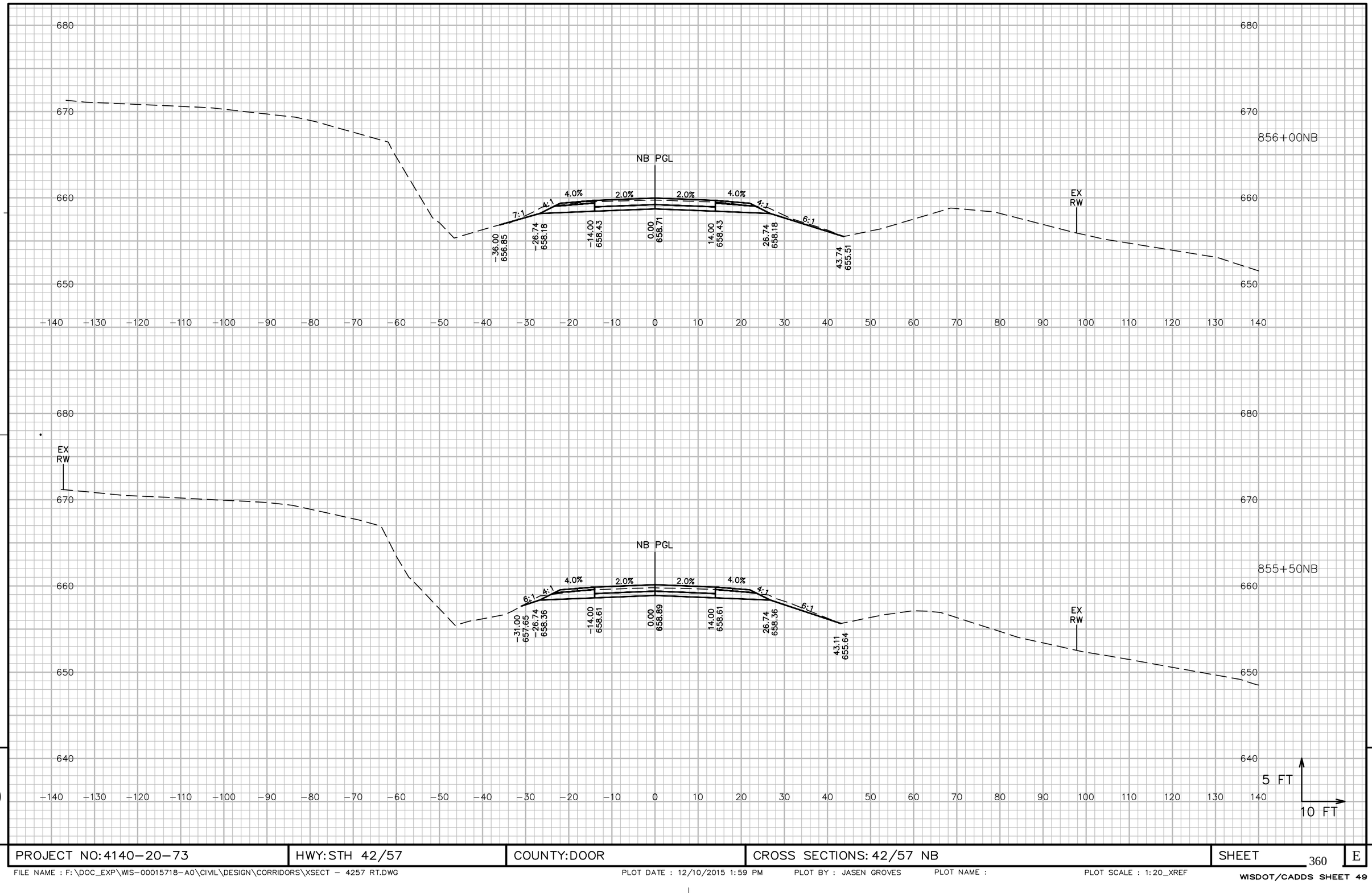
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 358	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 359	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 1:59 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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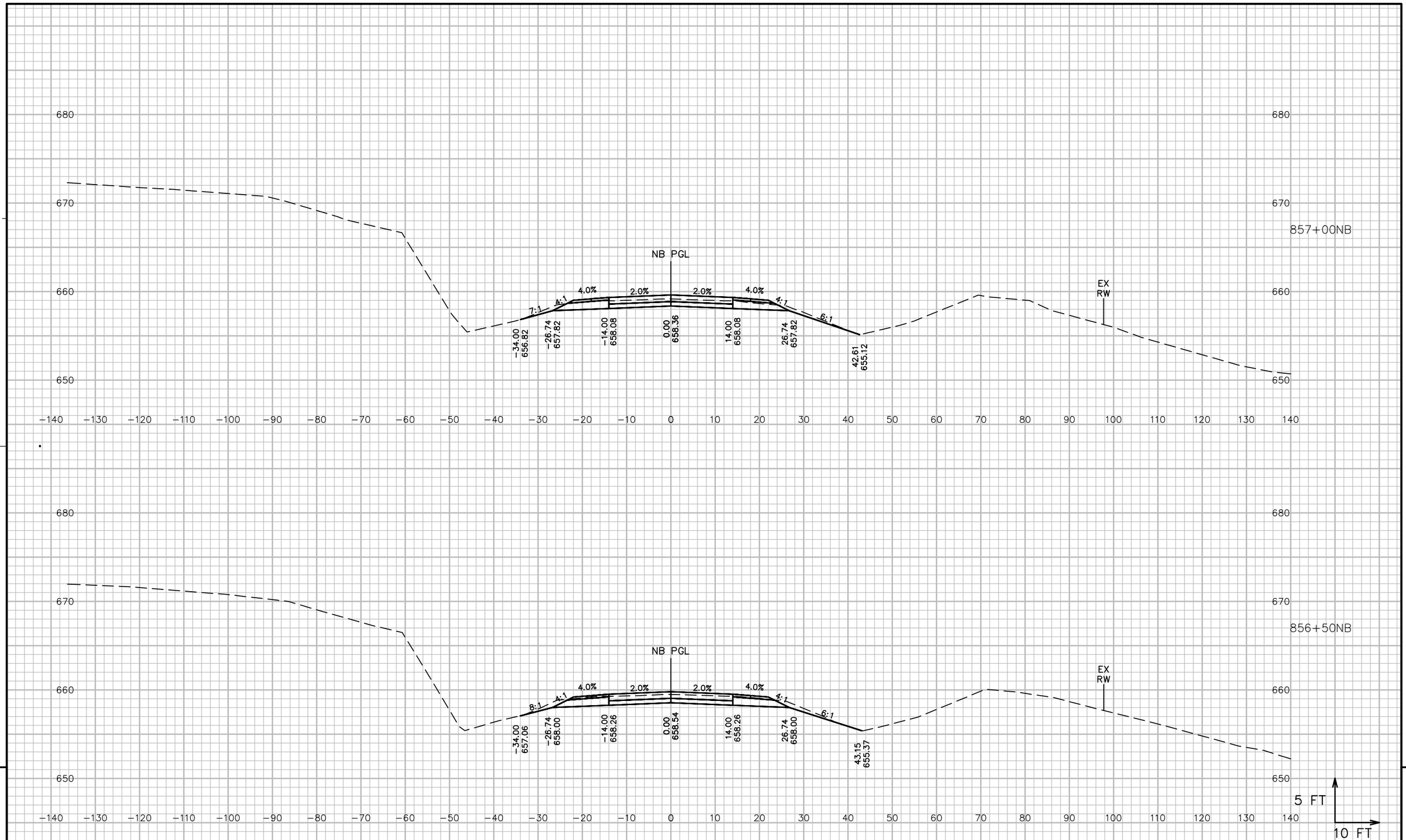
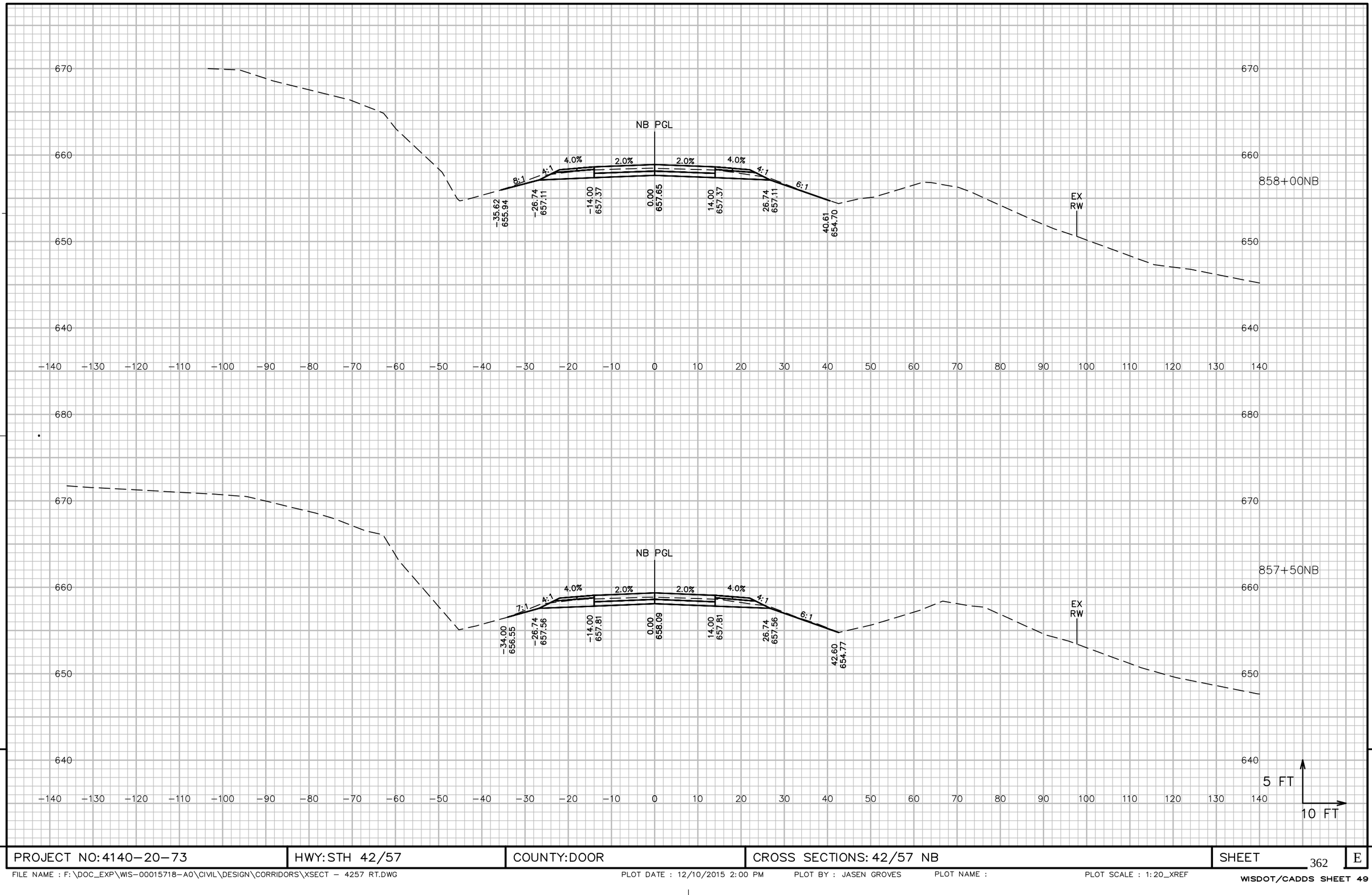


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 361	E

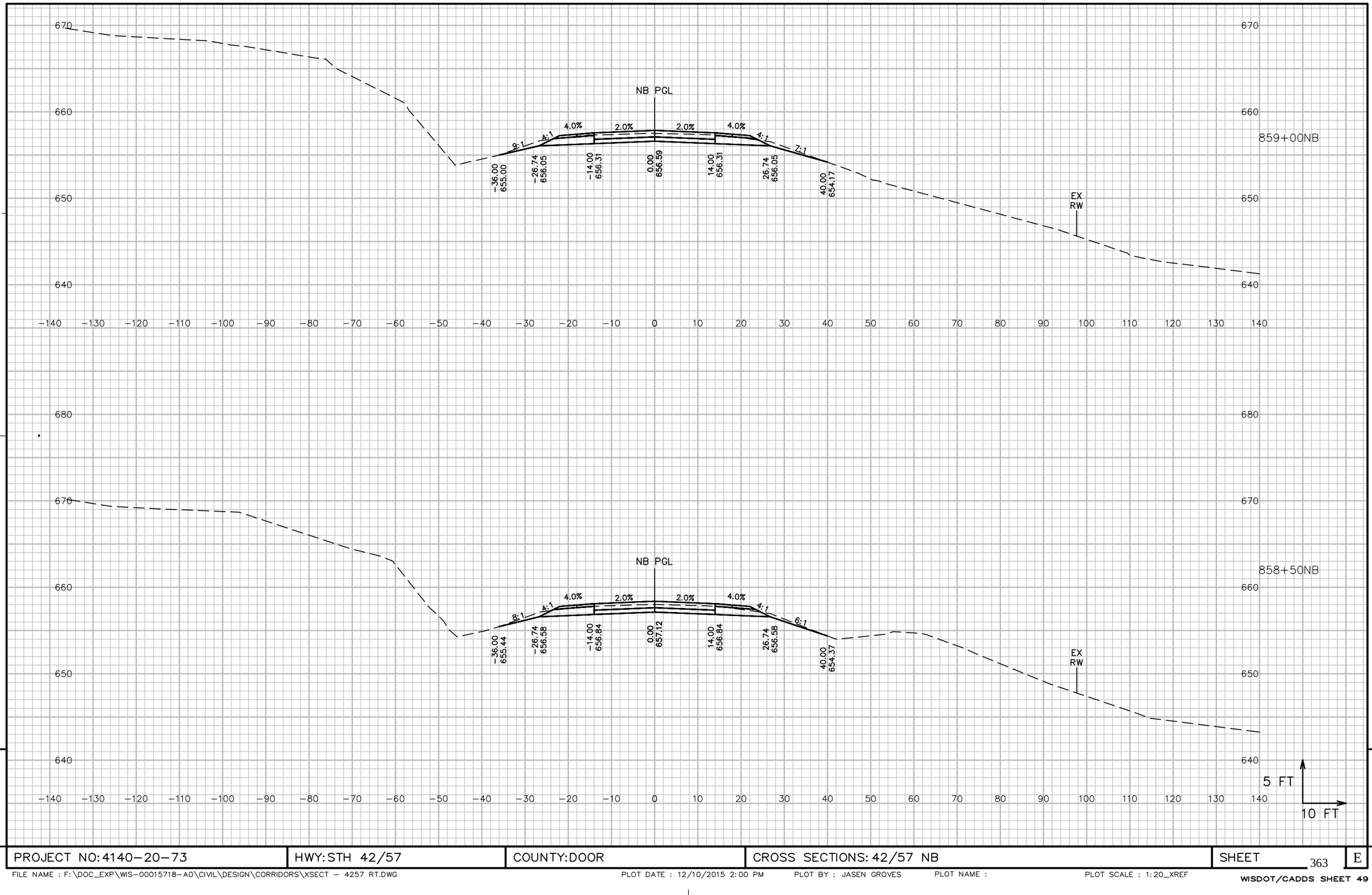
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:00 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 362	E

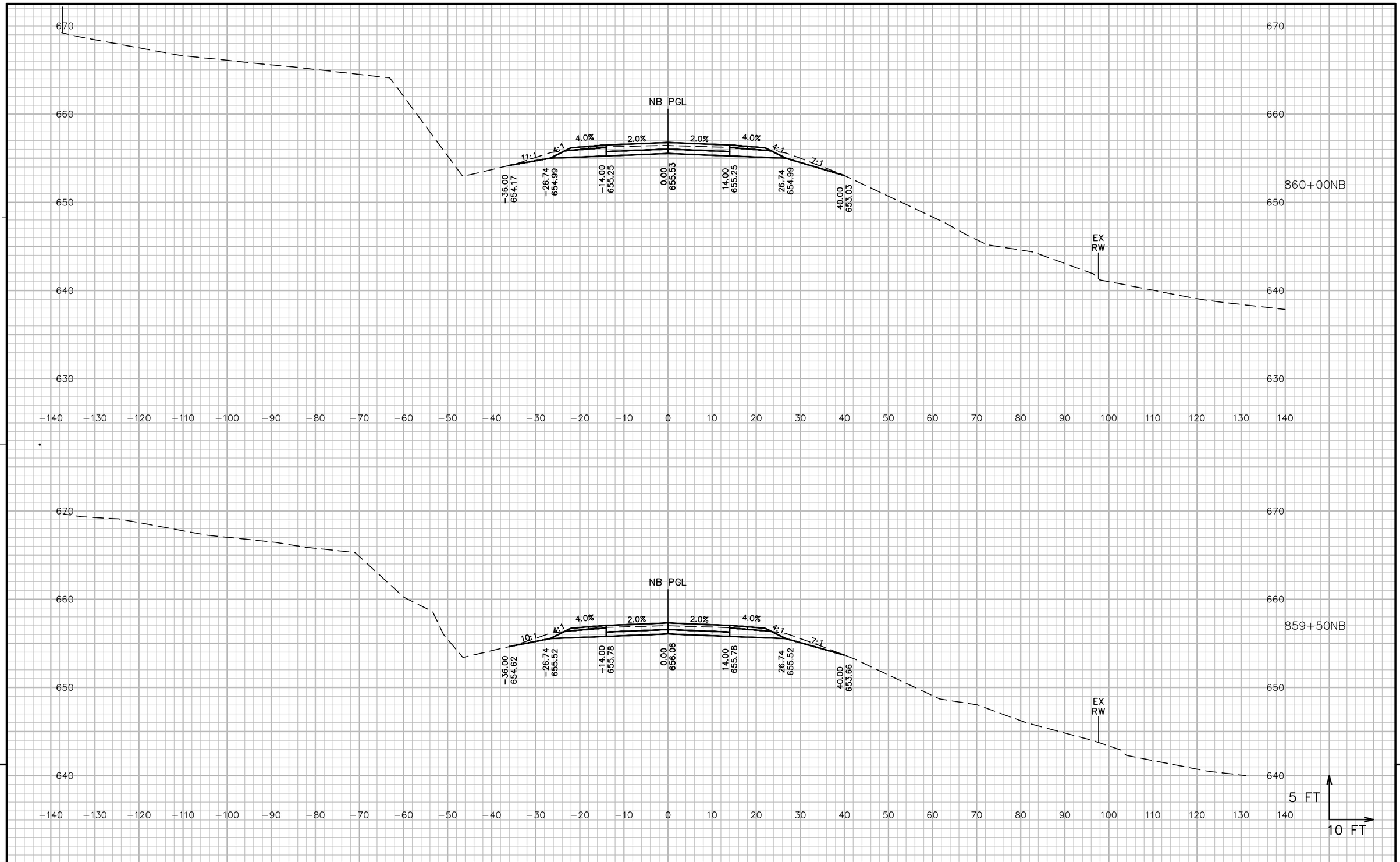
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:00 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 363	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:00 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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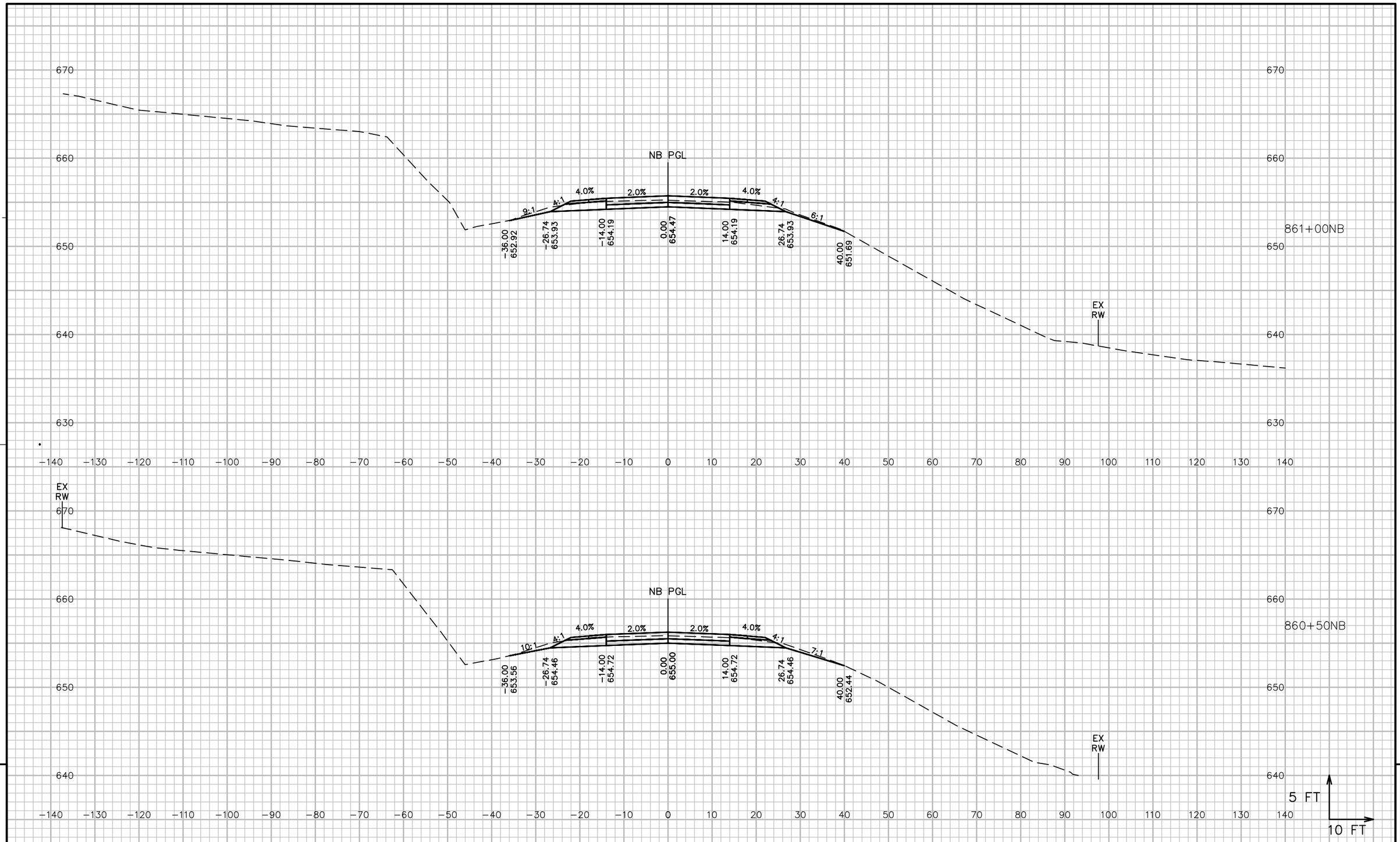
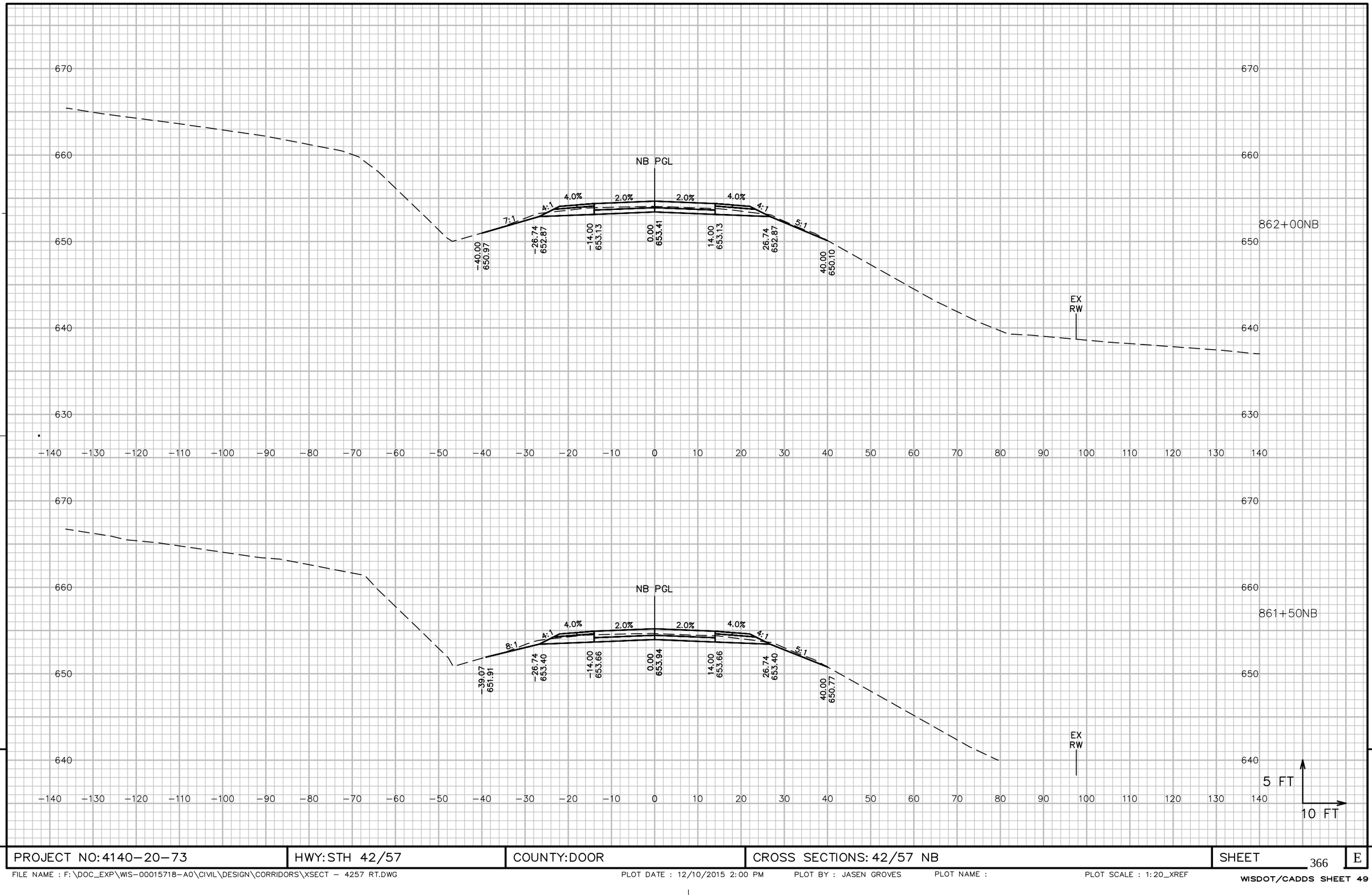


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 365	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:00 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 366	E

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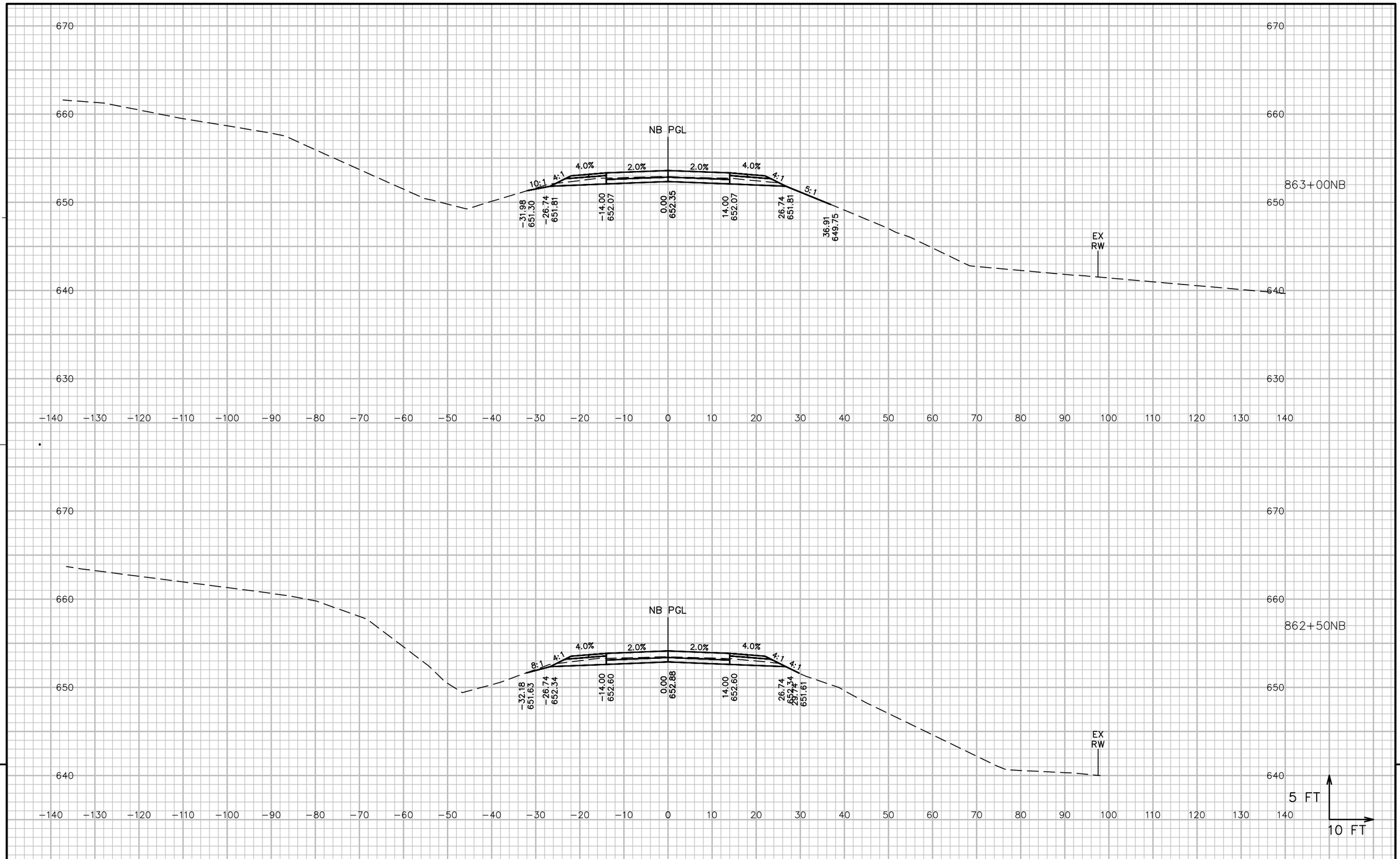
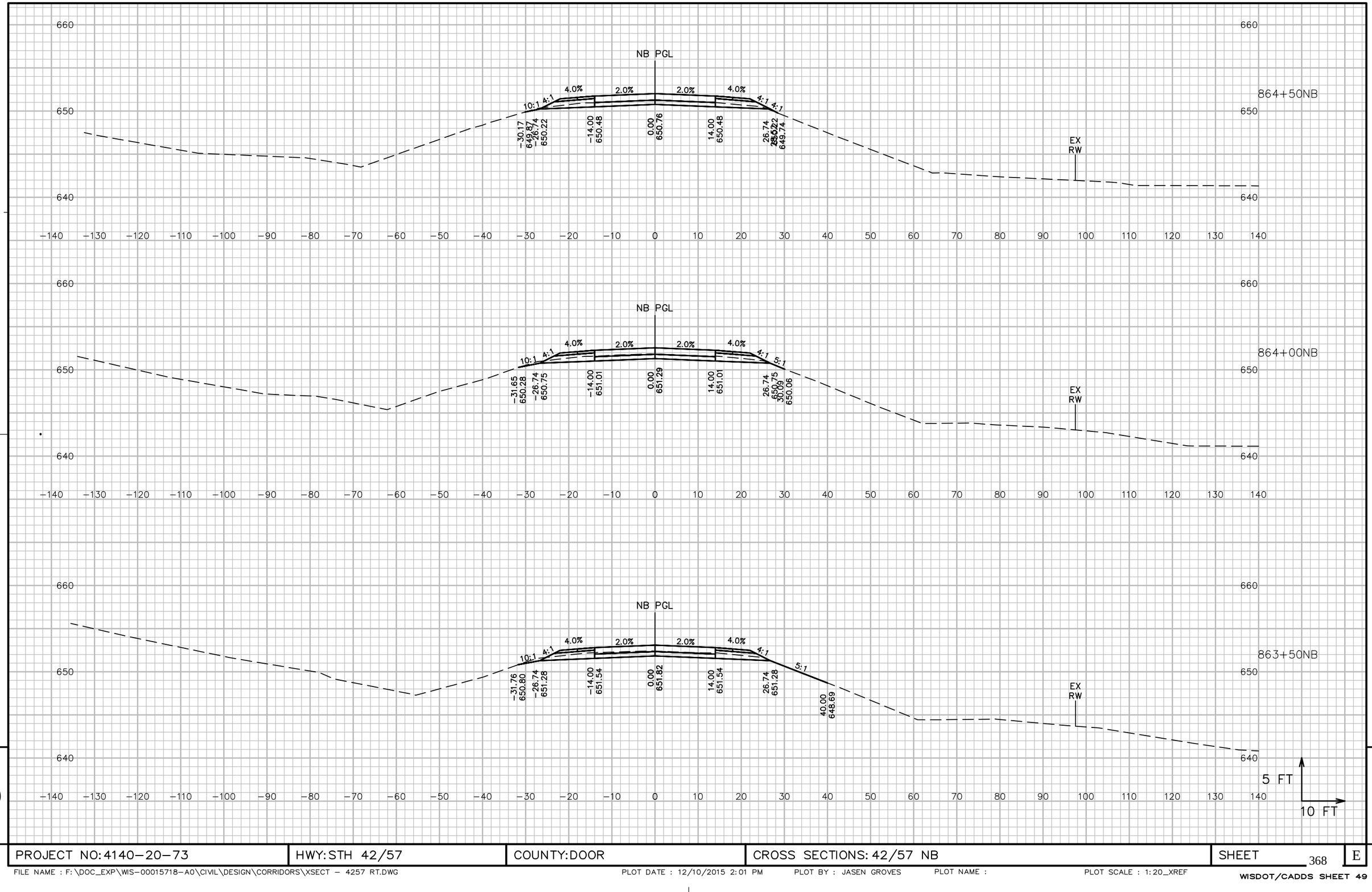
WISDOT/CADDS SHEET 49



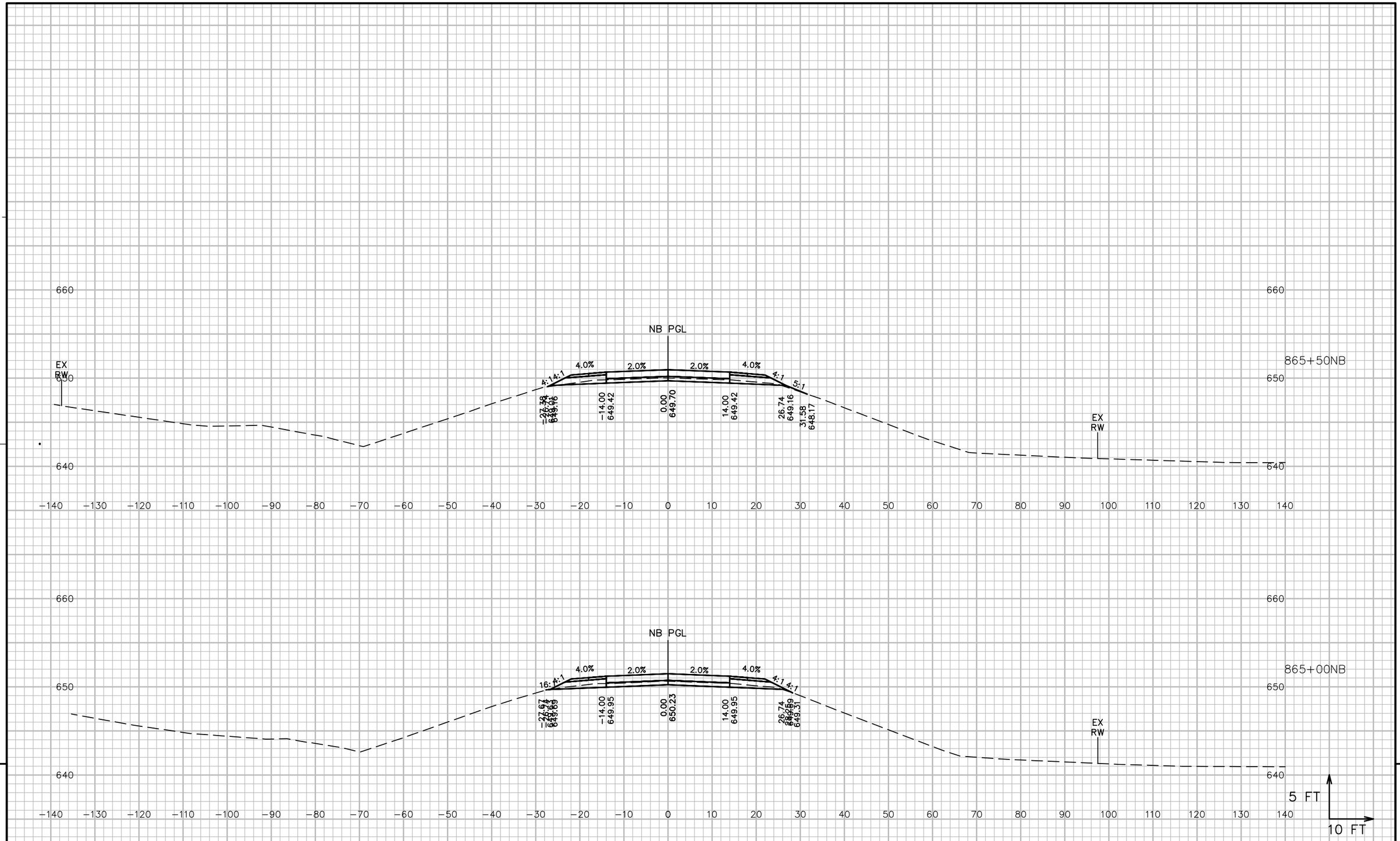
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 367	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:00 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

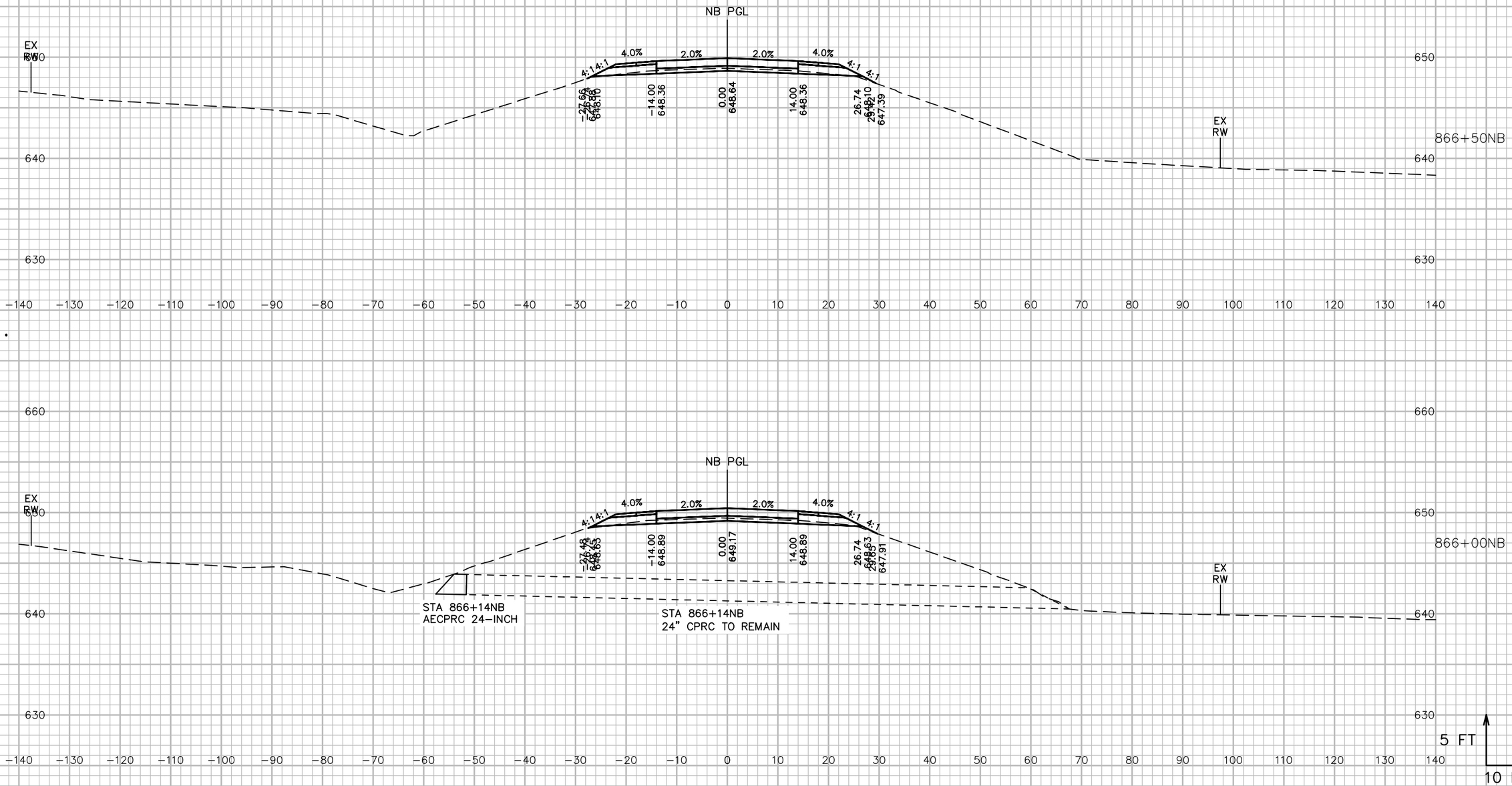


PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 368	E

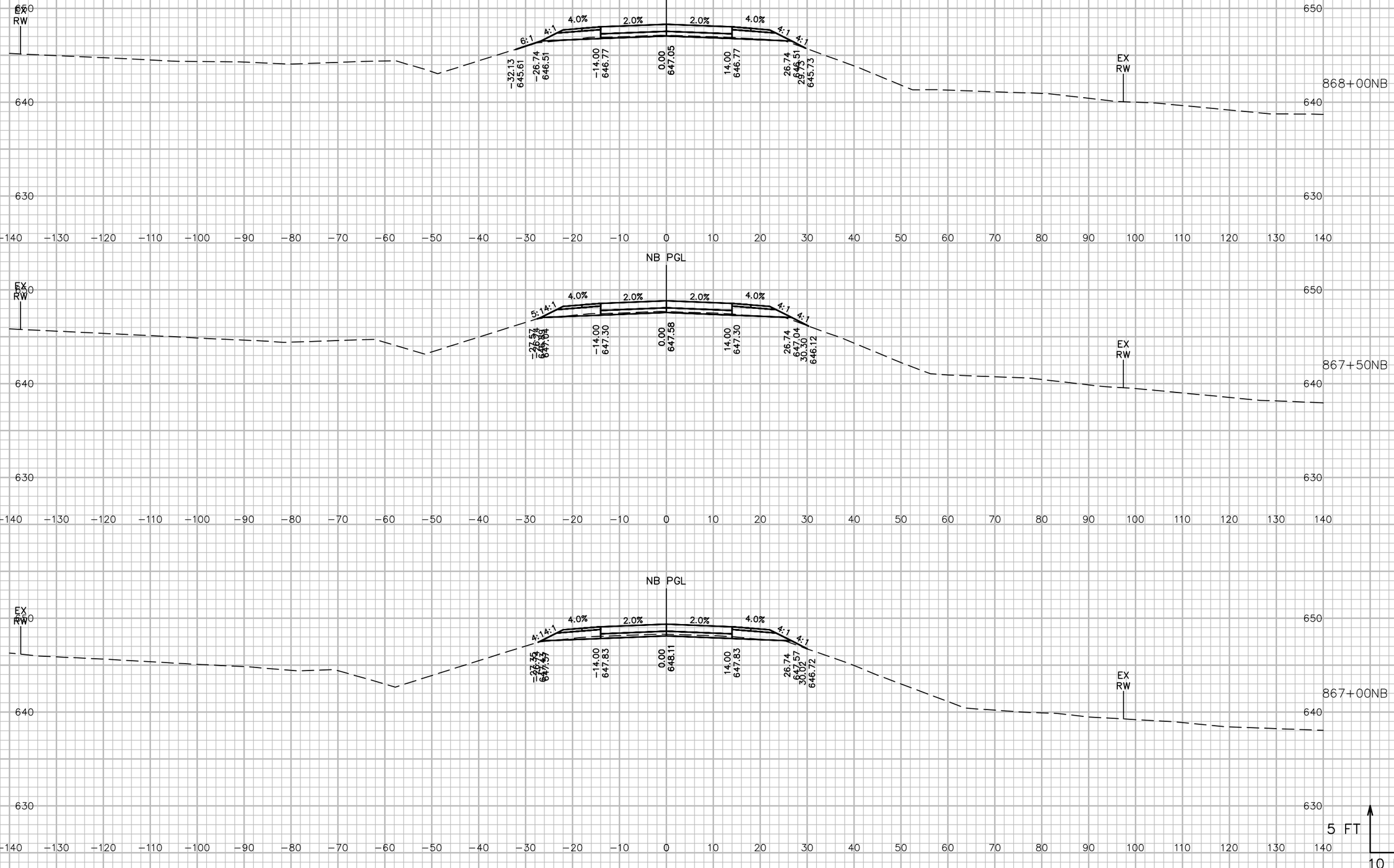


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 369	E

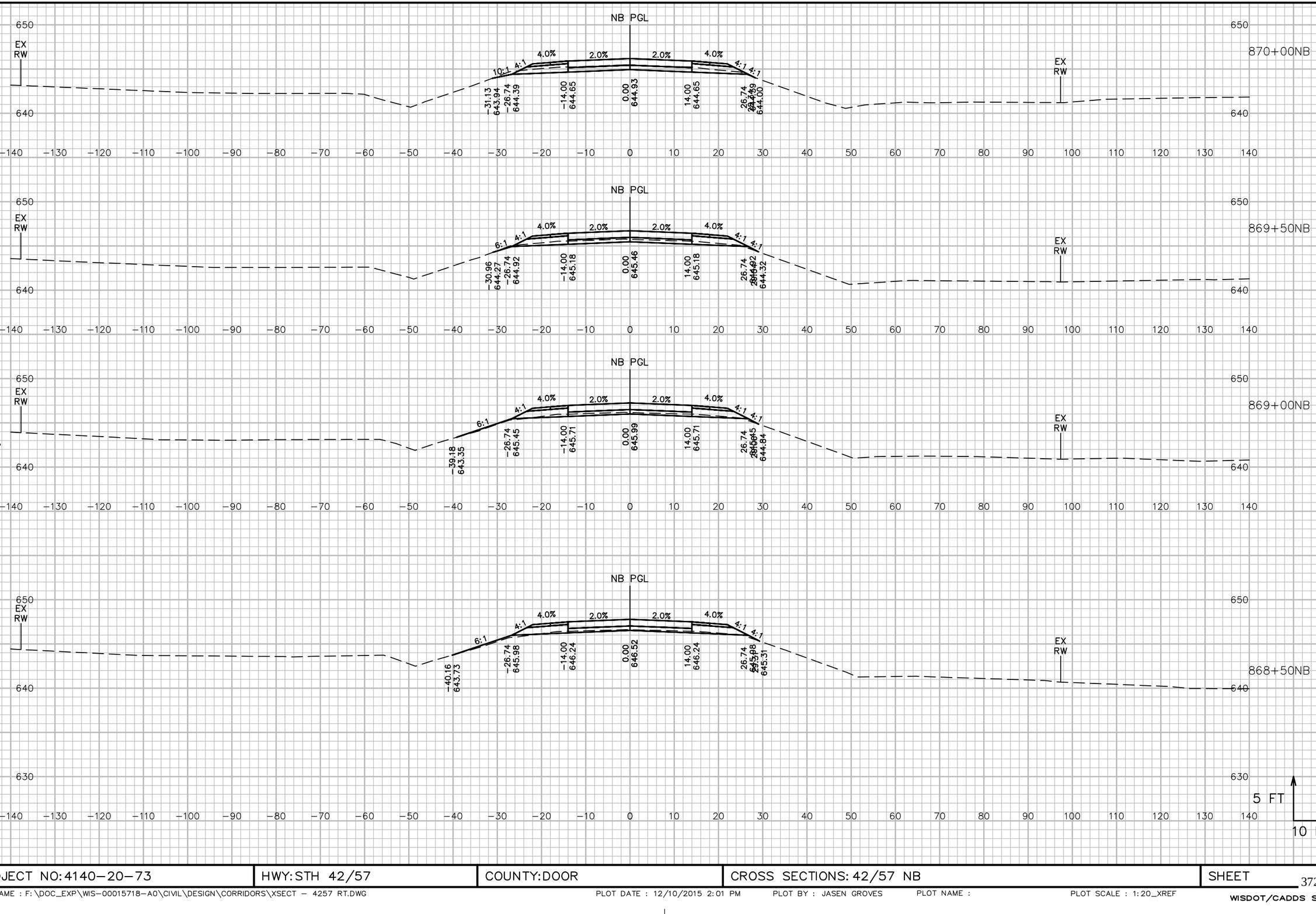
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:01 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 370	E

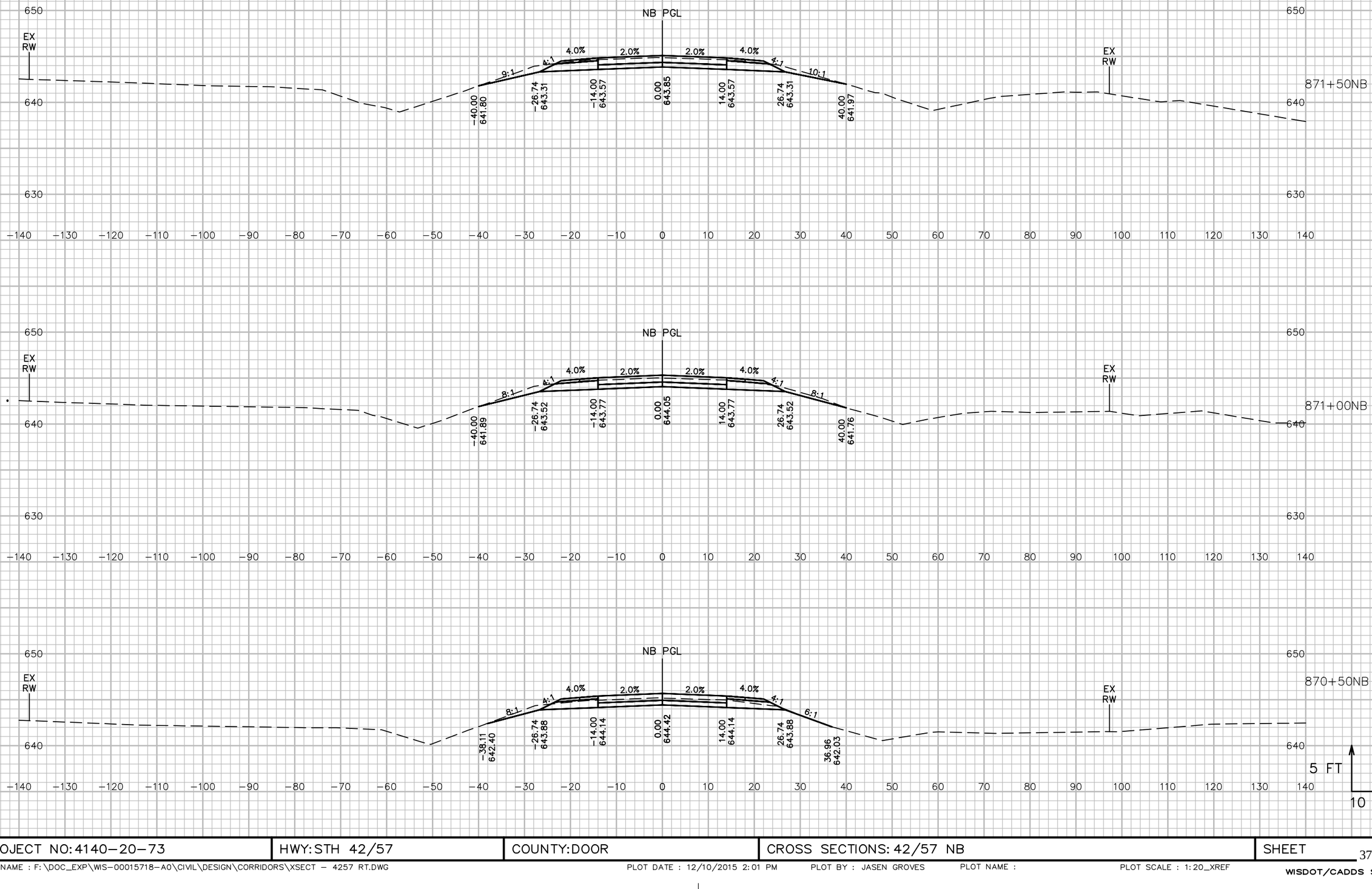


PROJECT NO: 4140–20–73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 371	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 372	E

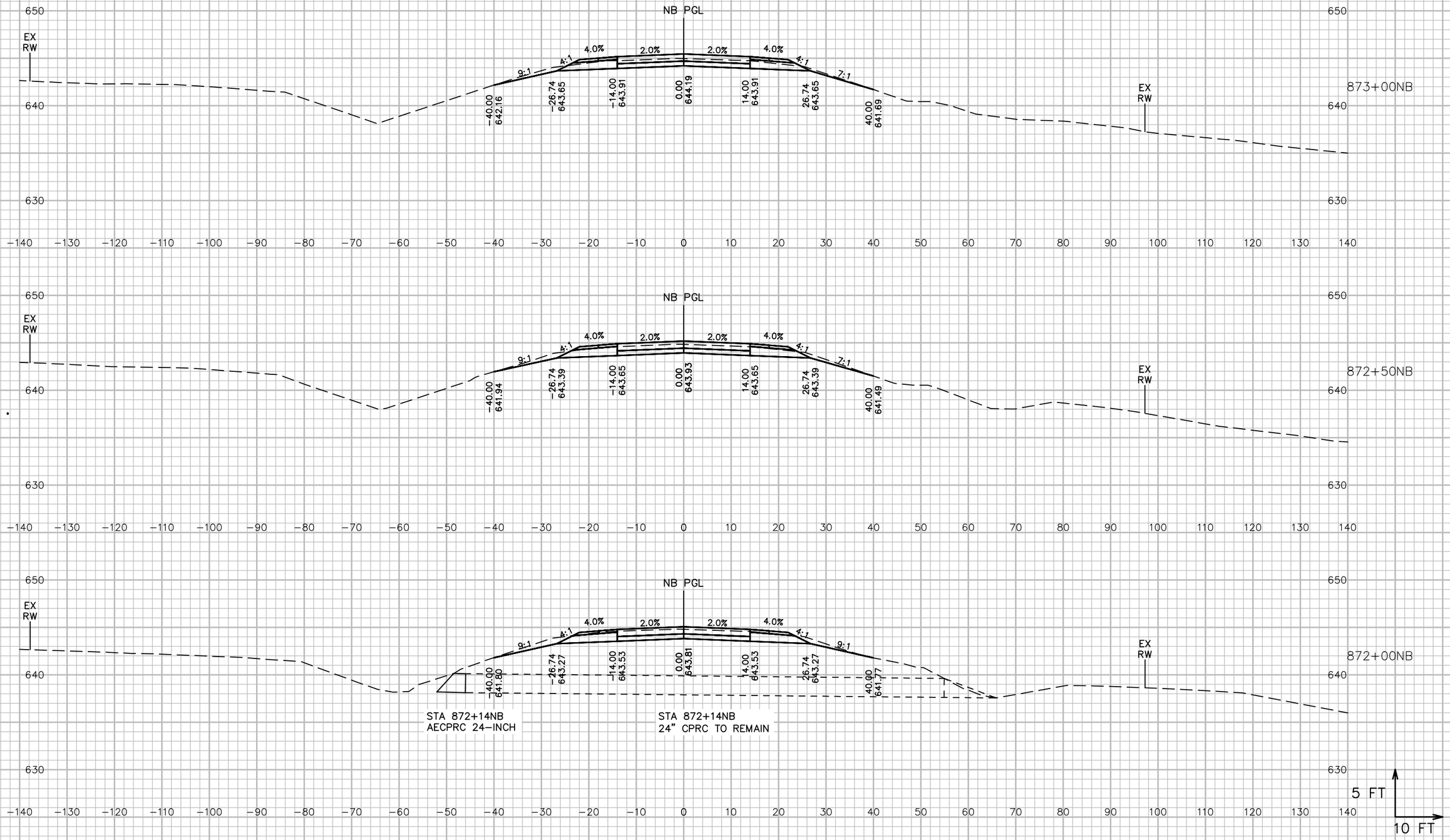
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:01 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



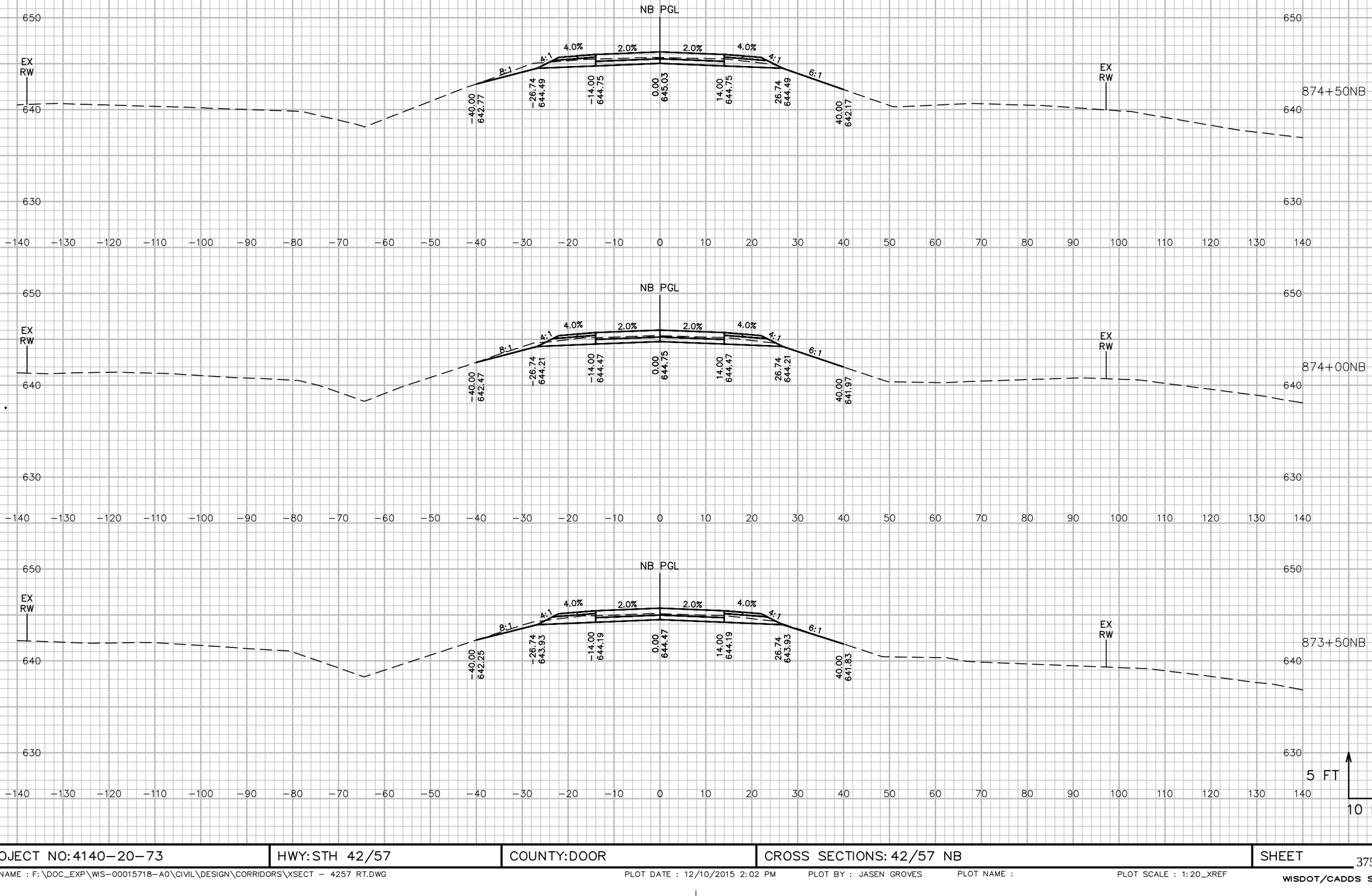
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 373	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:01 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

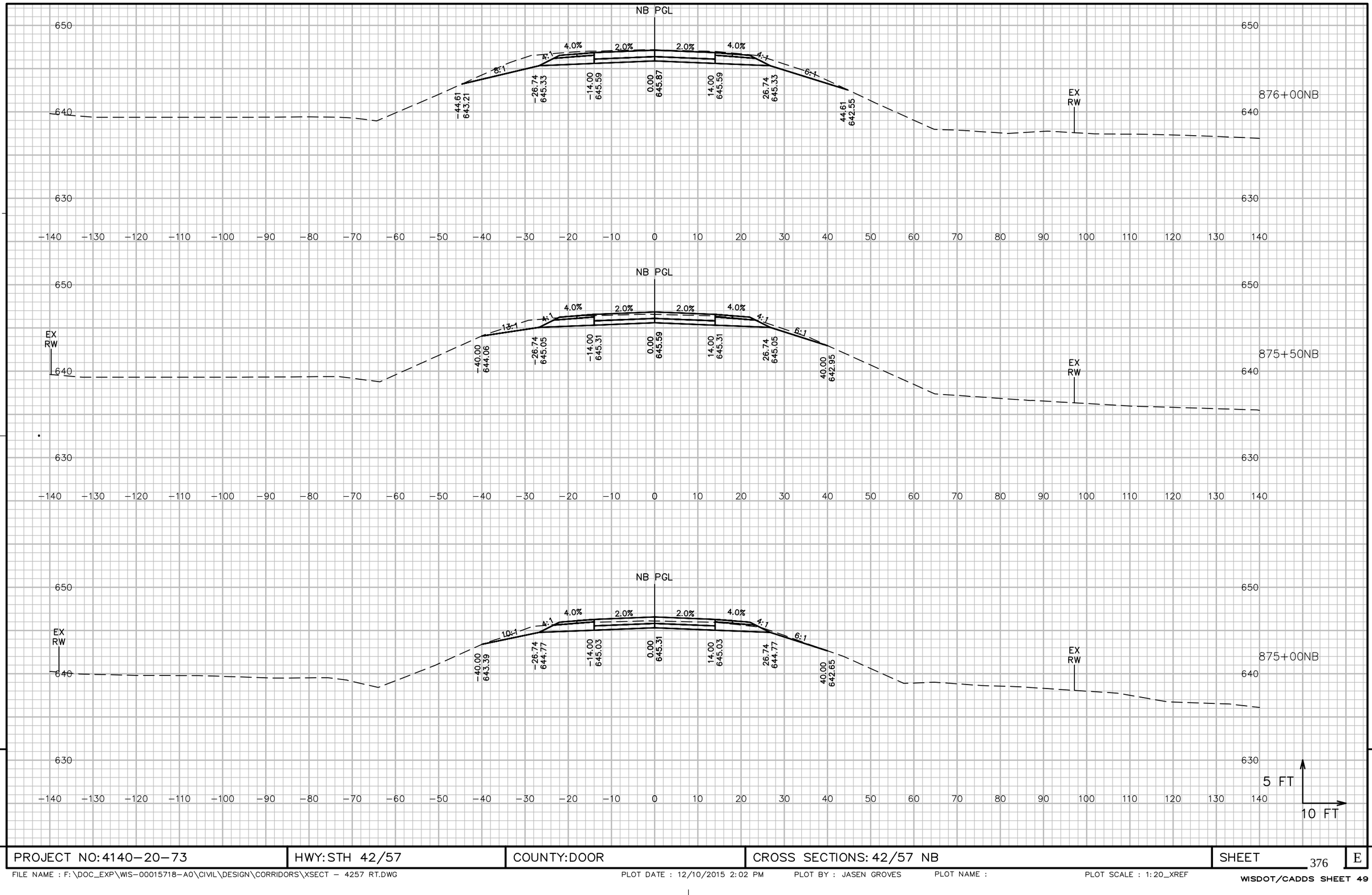
WISDOT/CADDS SHEET 49



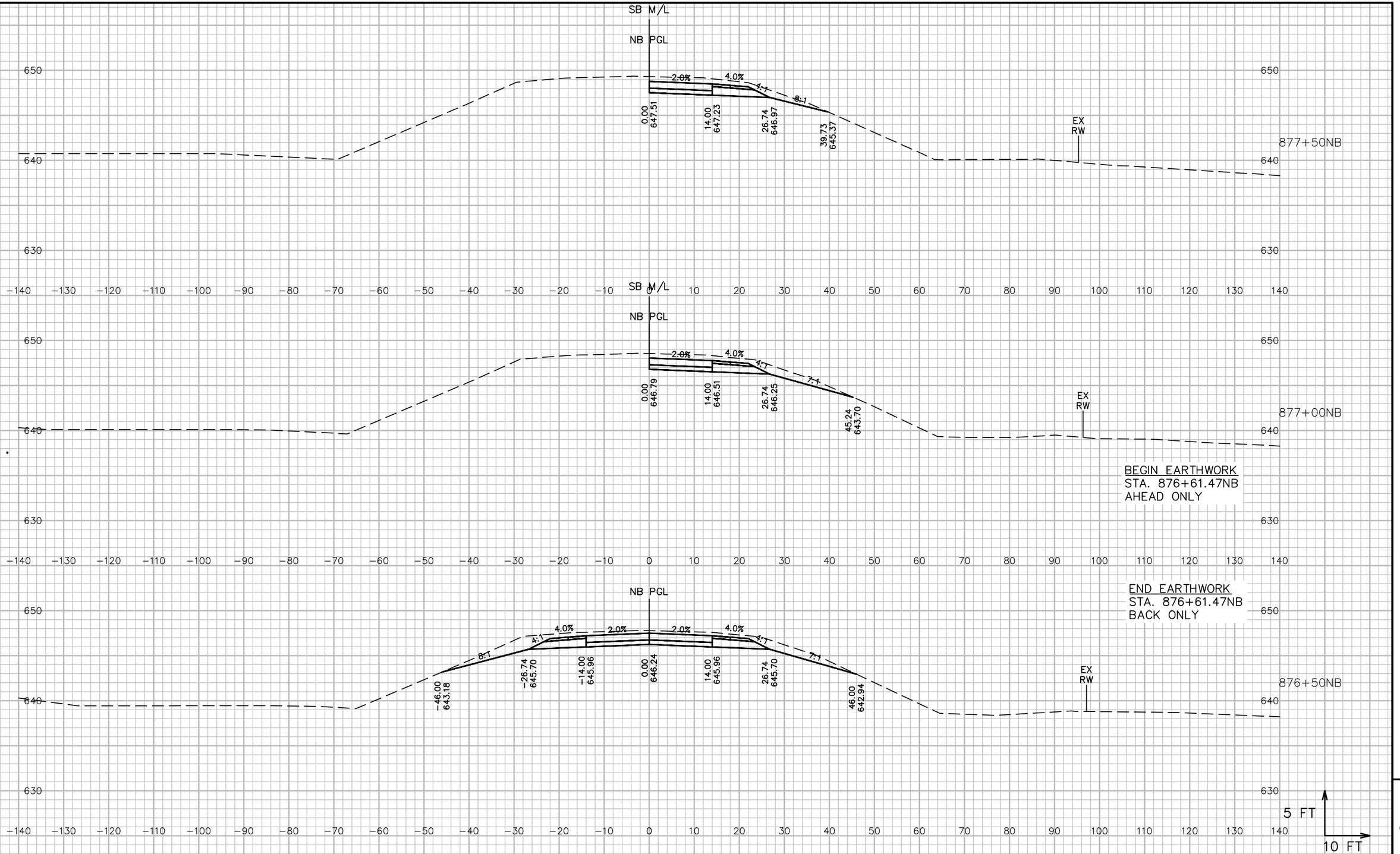
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 374	E



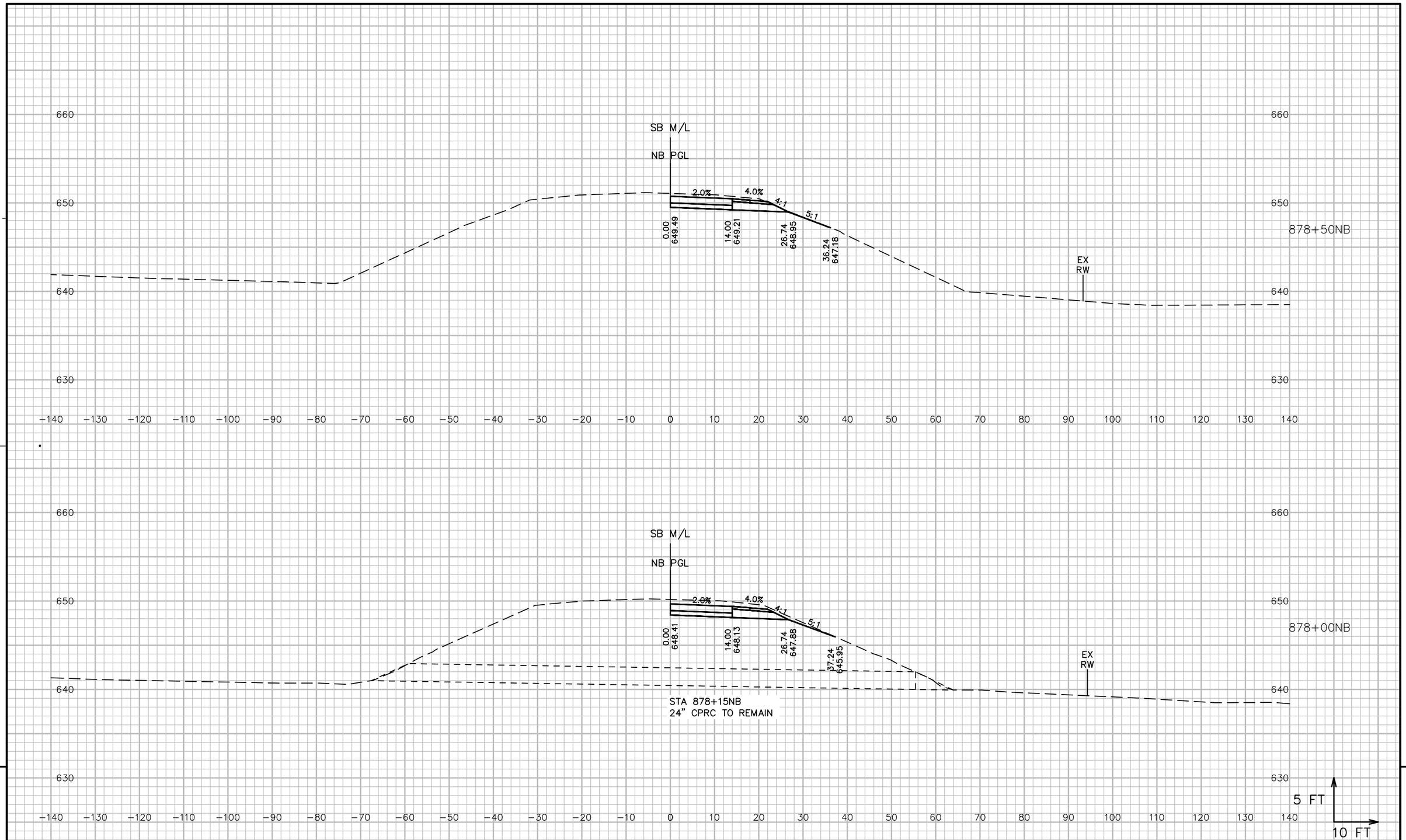
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 375	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 376	E



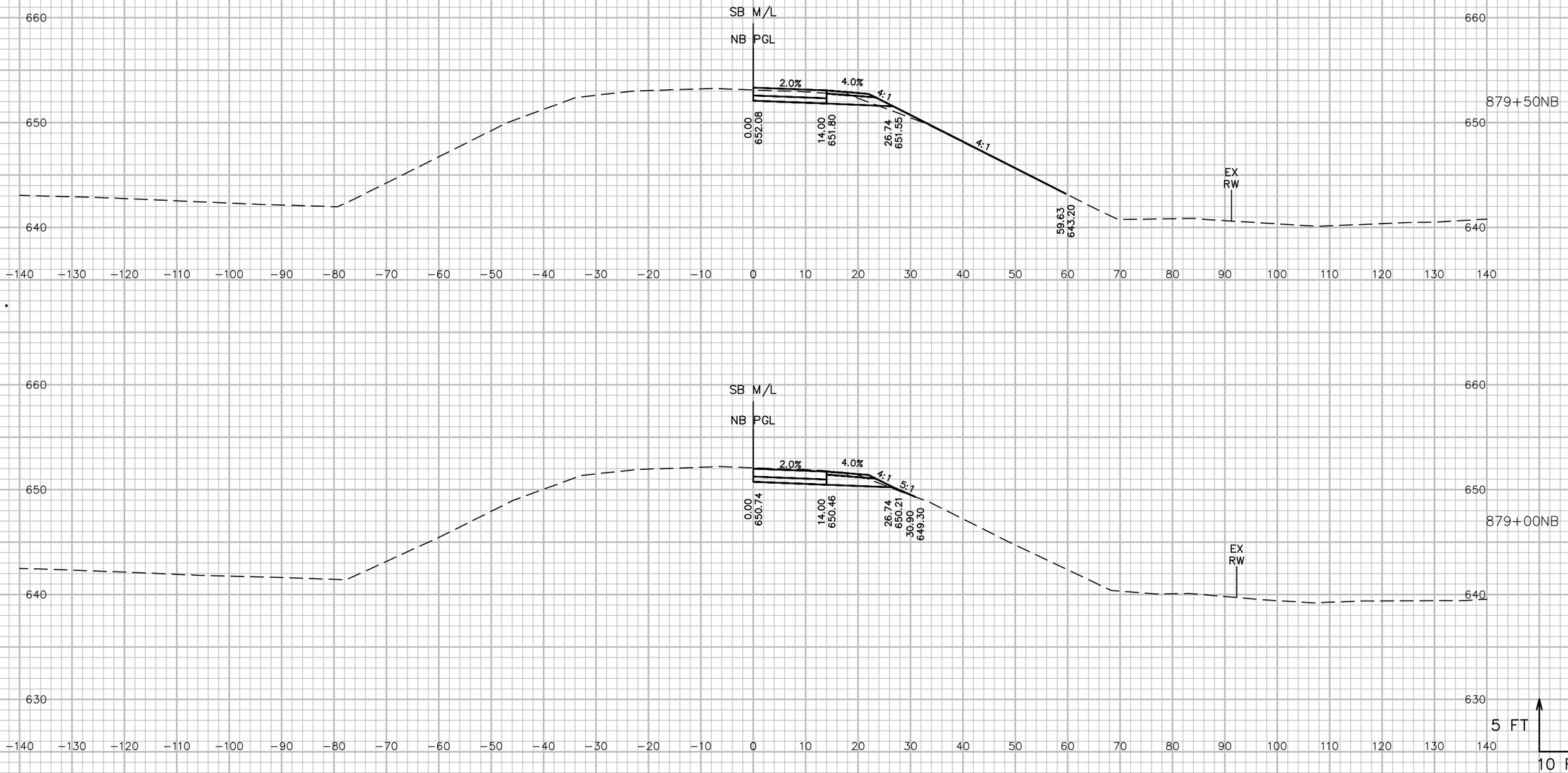
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 377	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 378	E

FILE NAME : F:\DOC_EXP\WIS−00015718−A0\CIVIL\DESIGN\CORRIDORS\XSECT − 4257 RT.DWG PLOT DATE : 12/10/2015 2:02 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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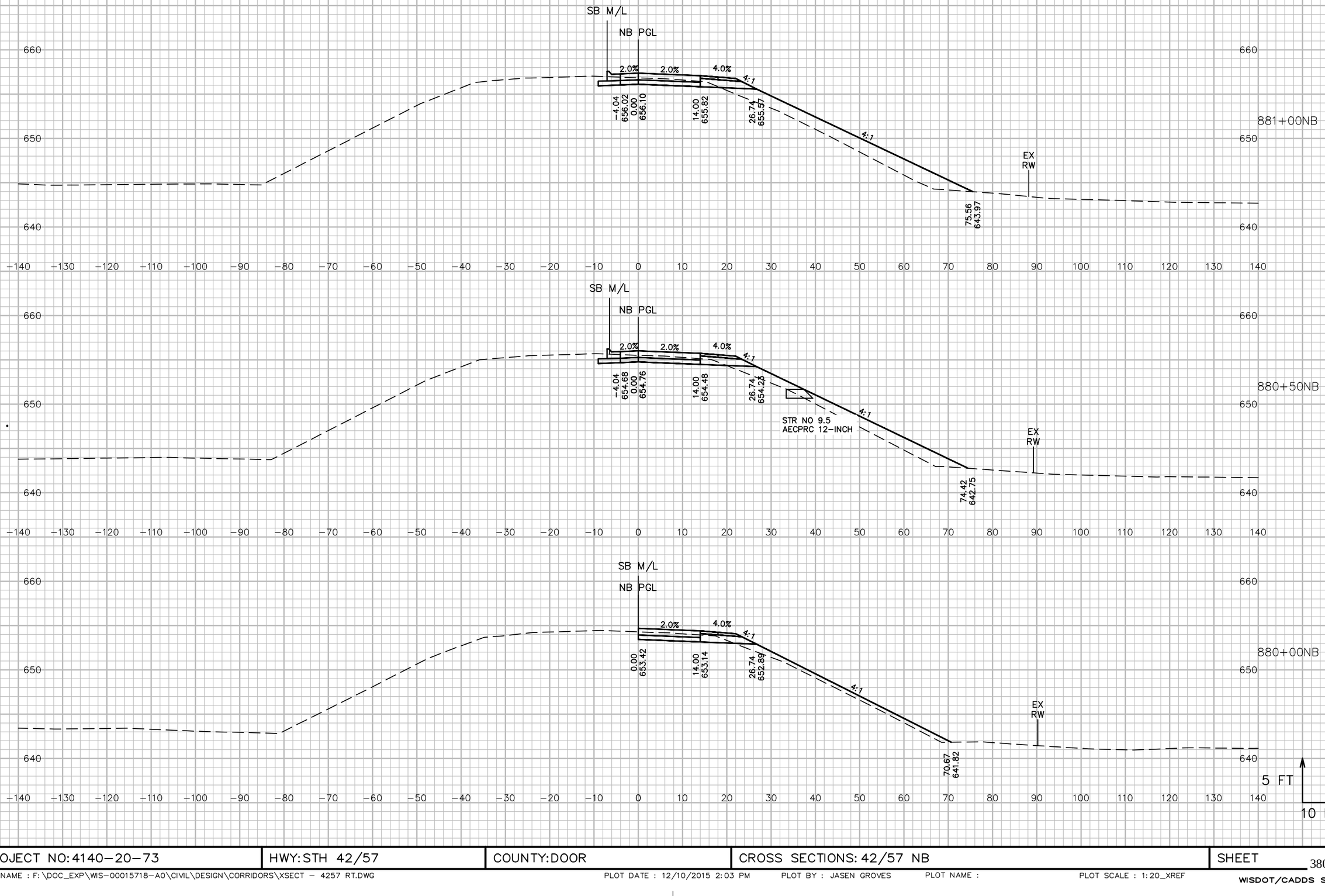
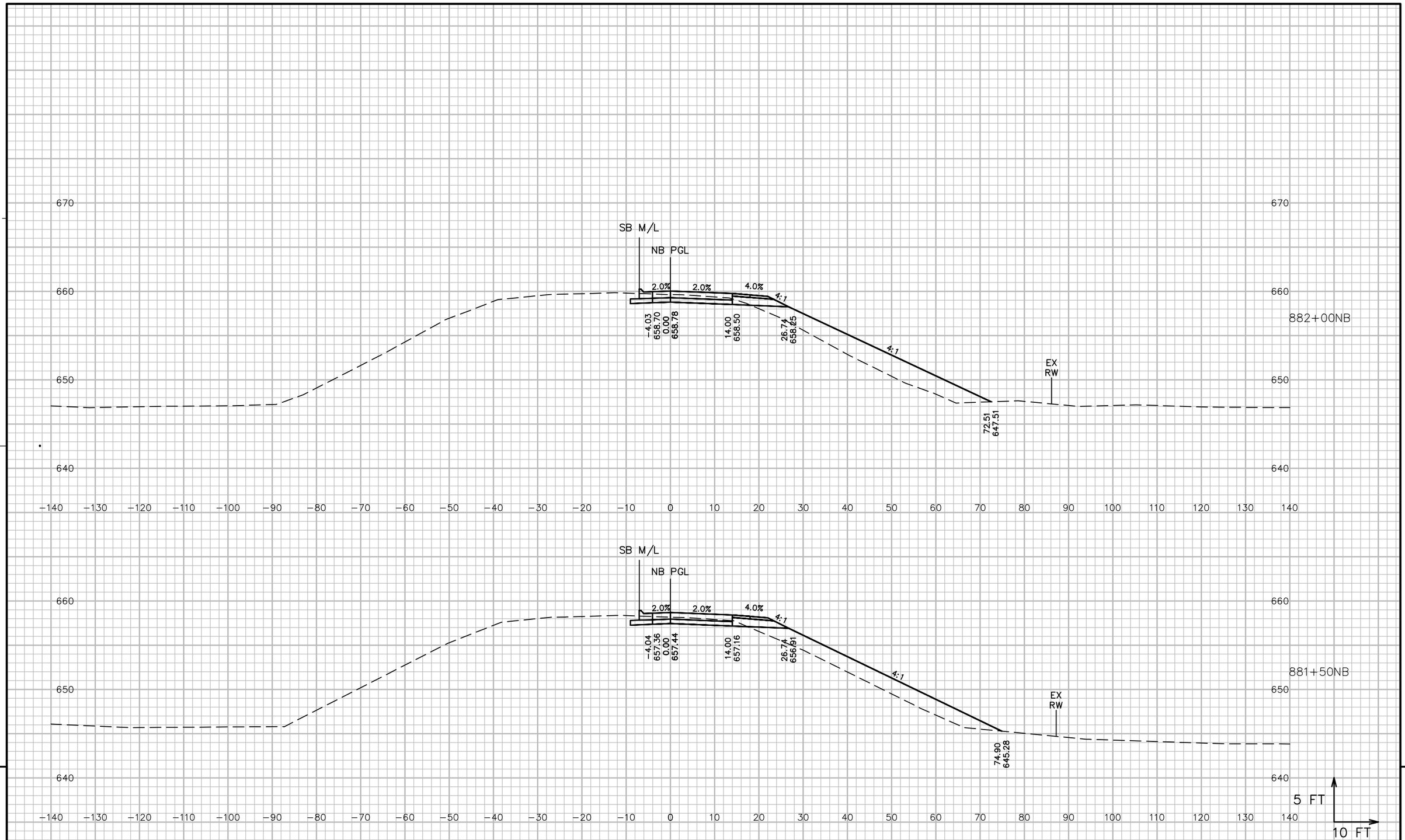
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 379	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 380	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:03 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

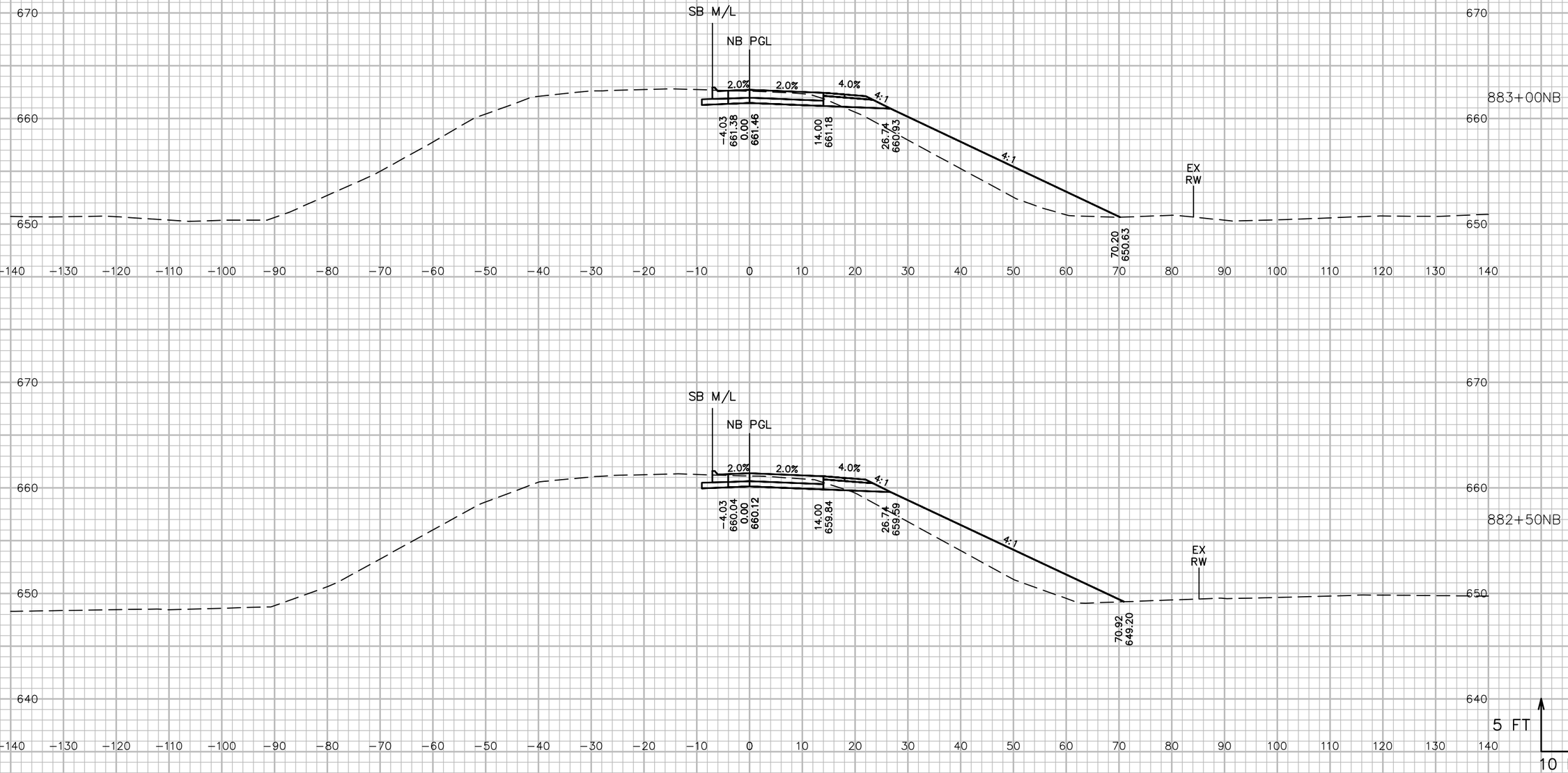
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 381	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:03 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

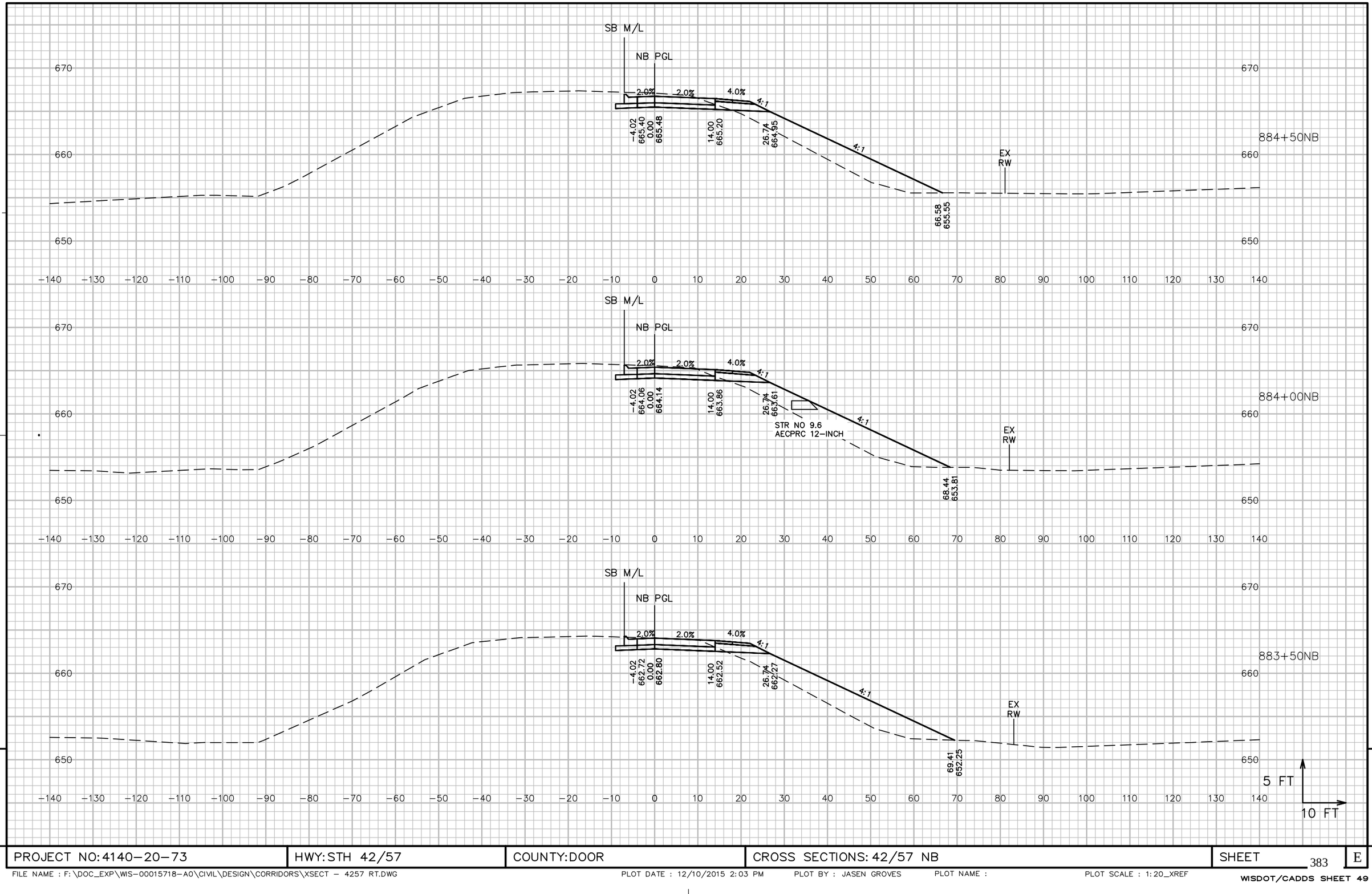
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 382	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:03 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

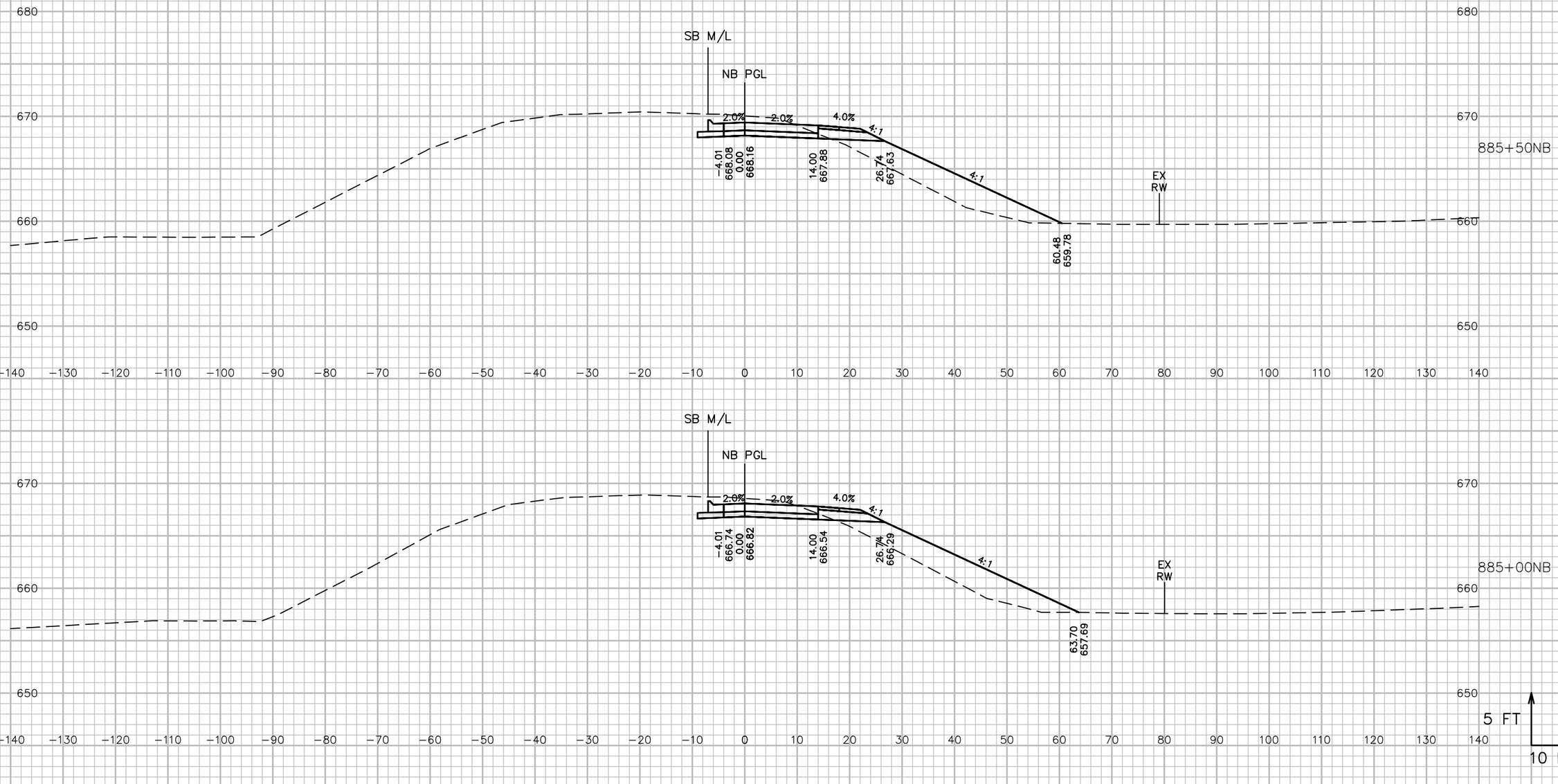
WISDOT/CADDS SHEET 49



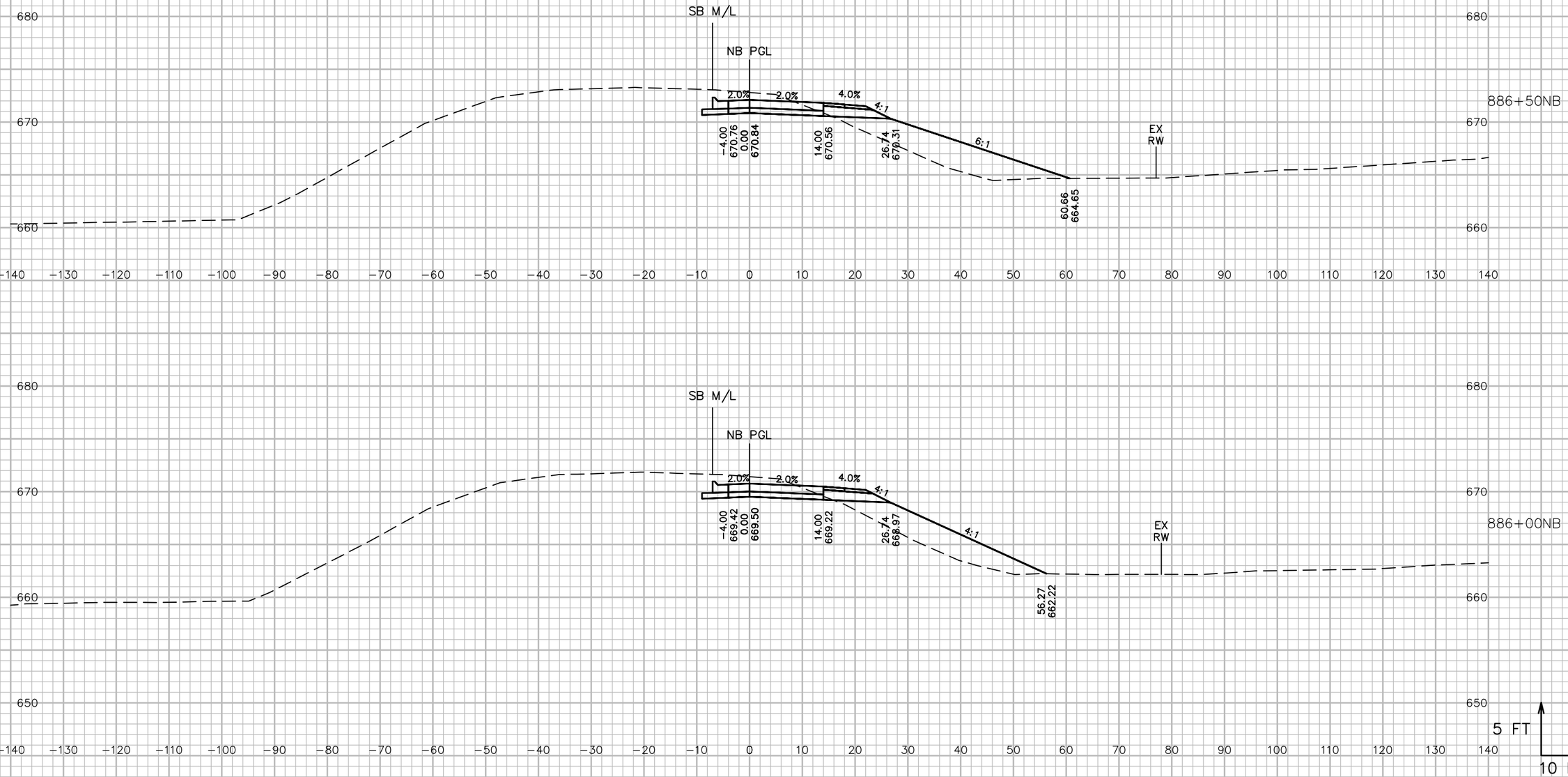
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 383	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:03 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

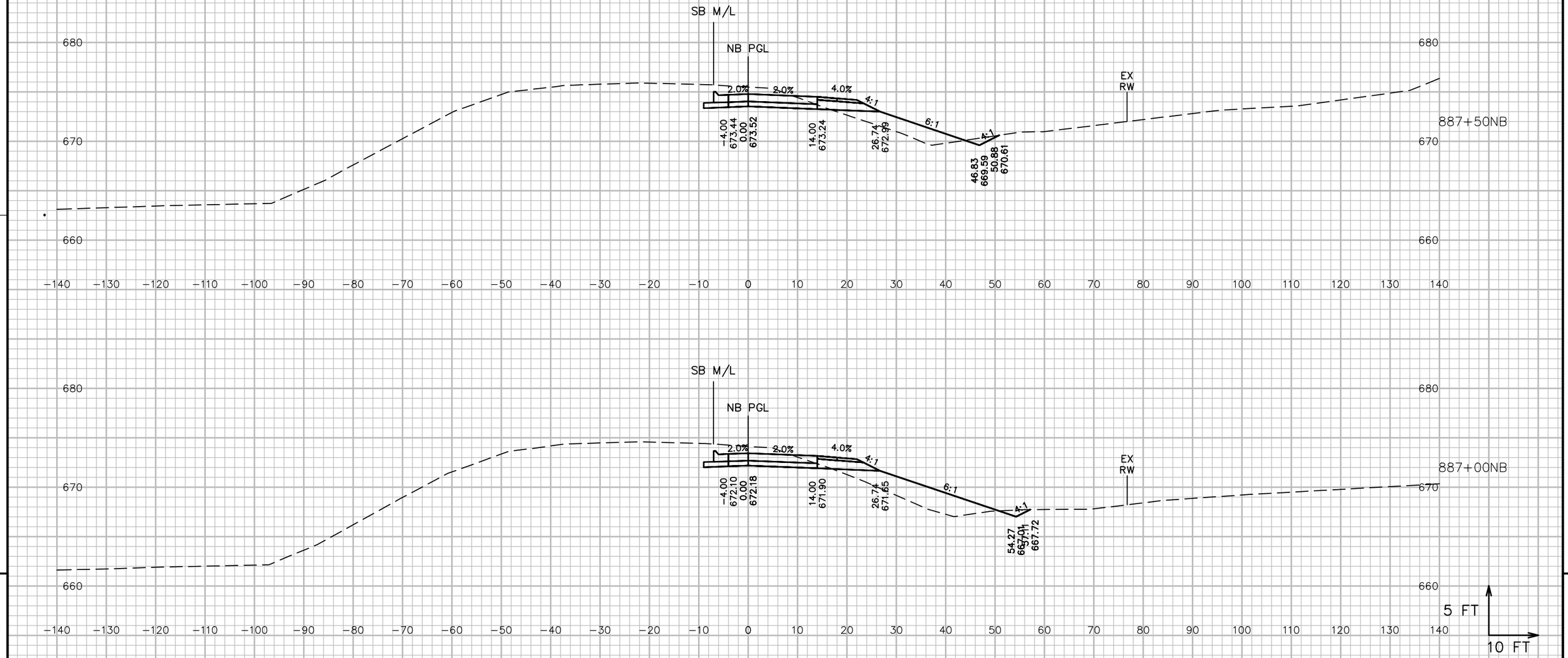
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 384	E



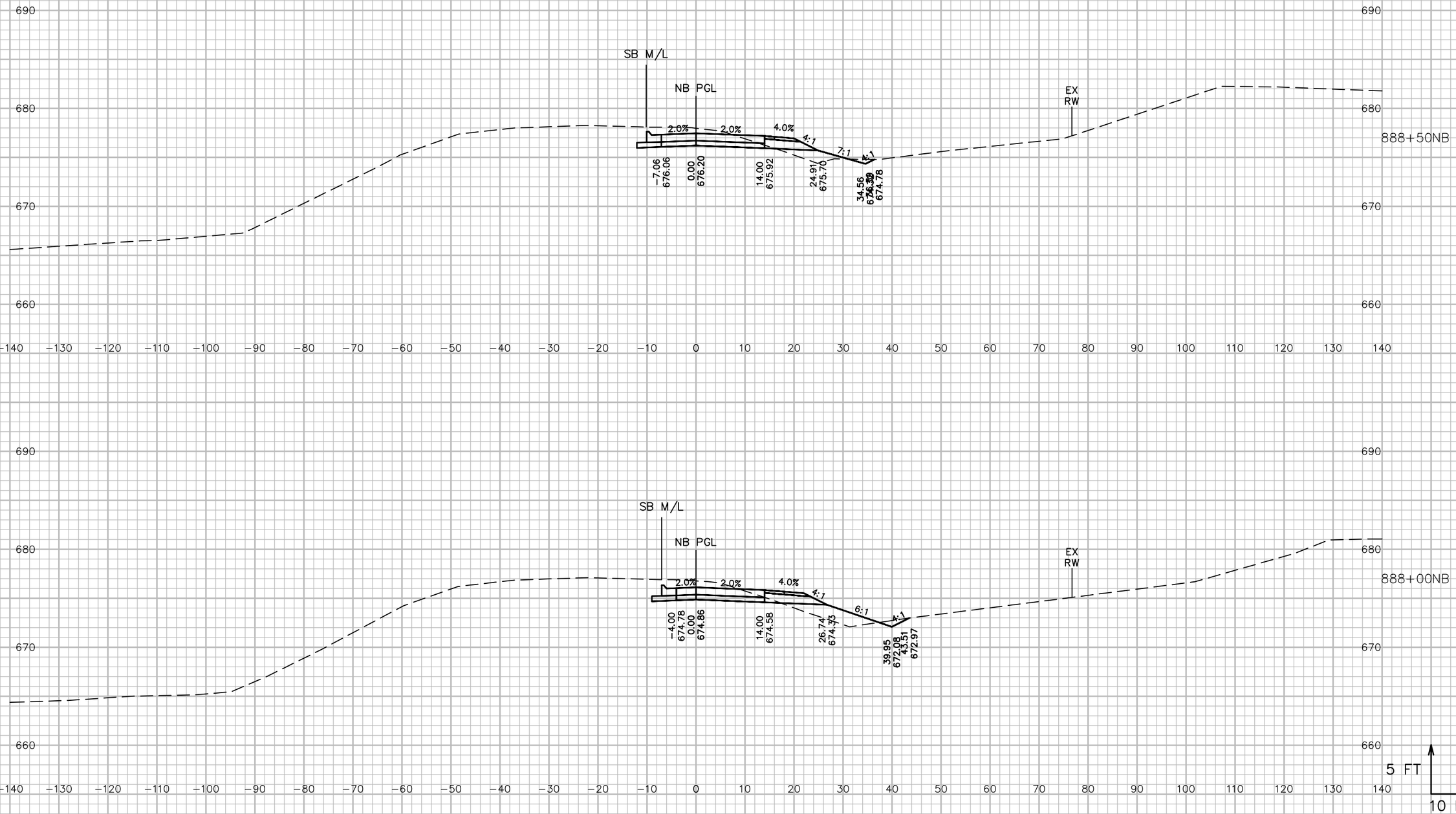
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 385	E



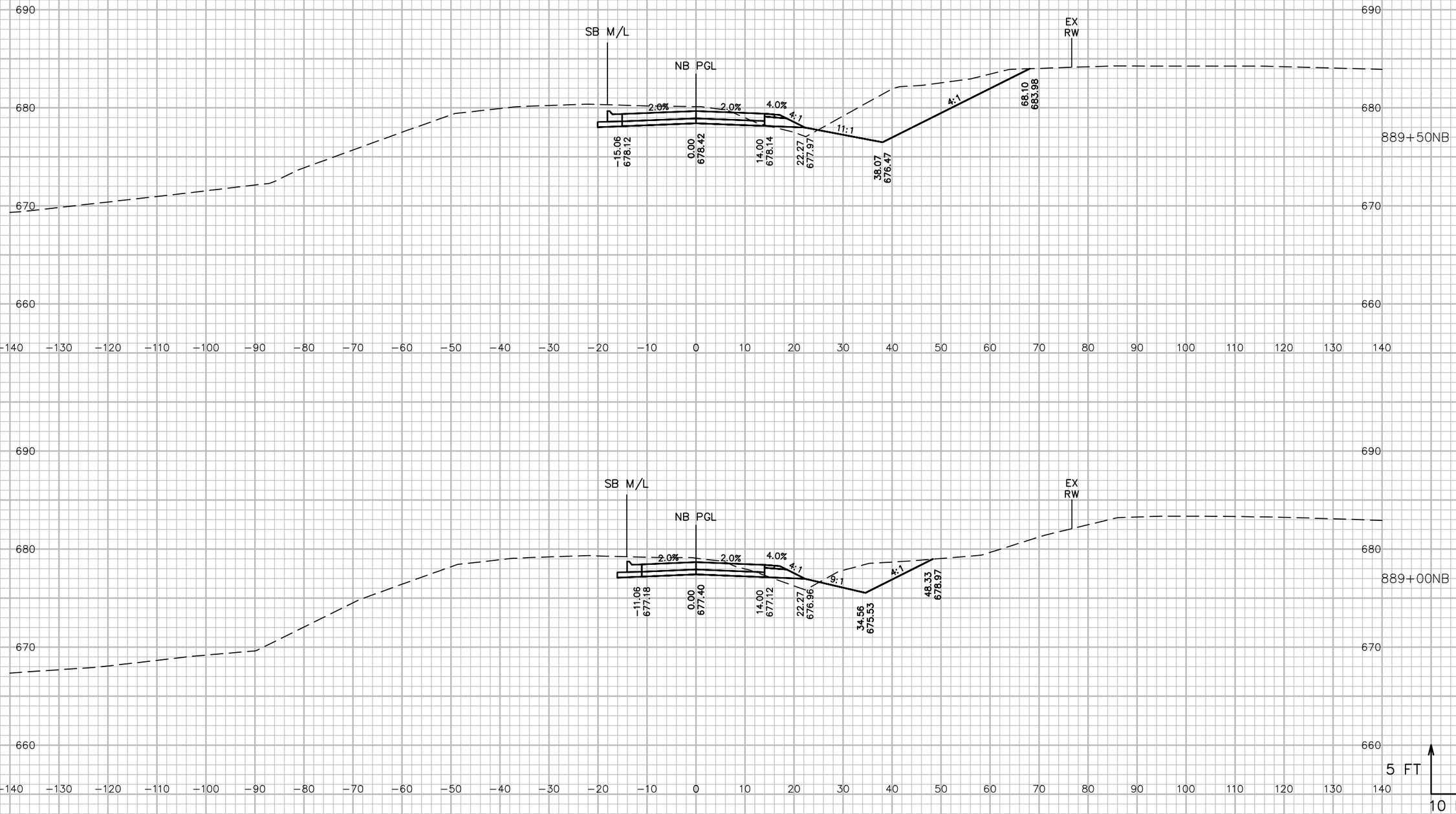
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 386	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:04 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

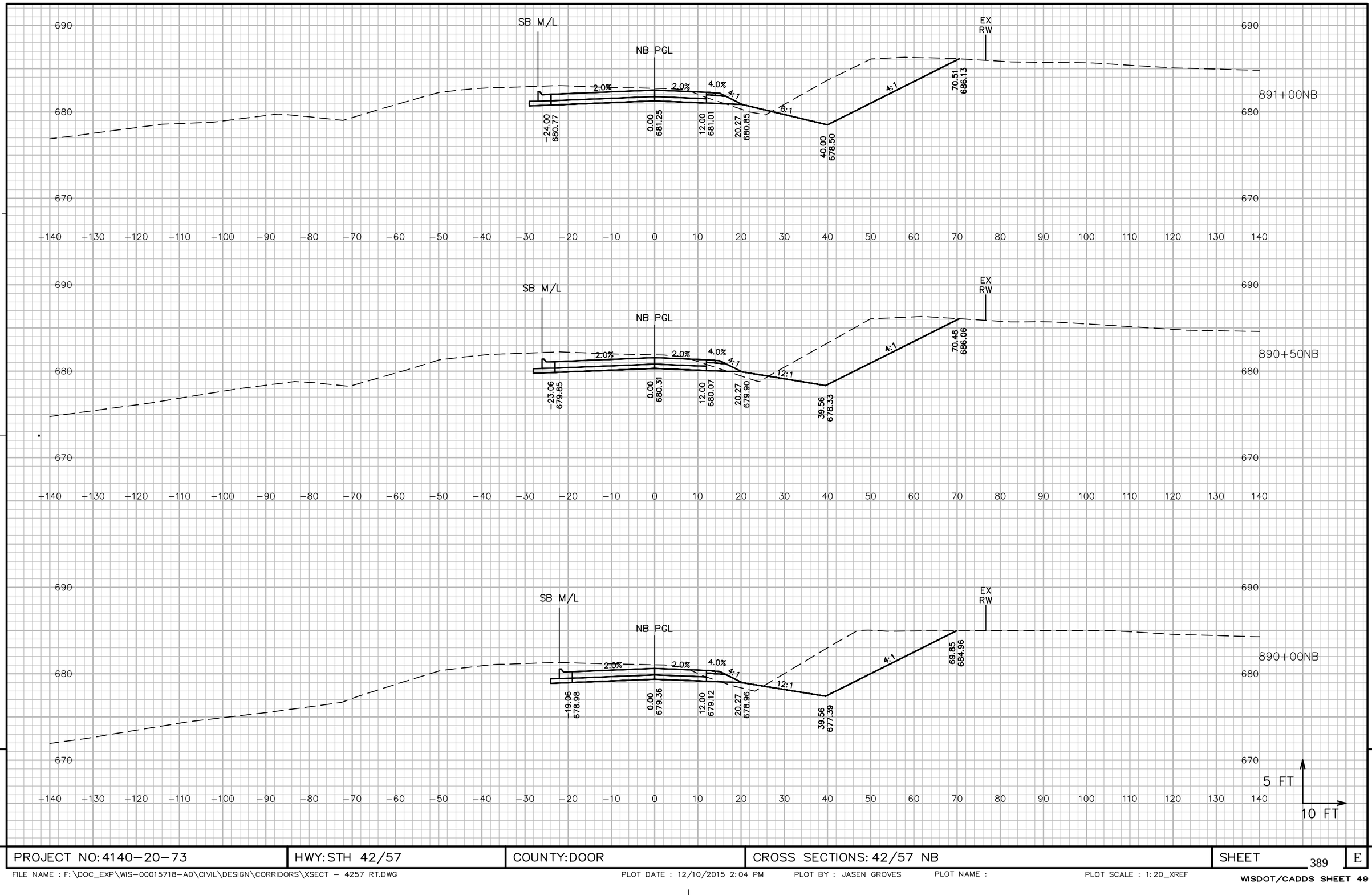
WISDOT/CADDS SHEET 49



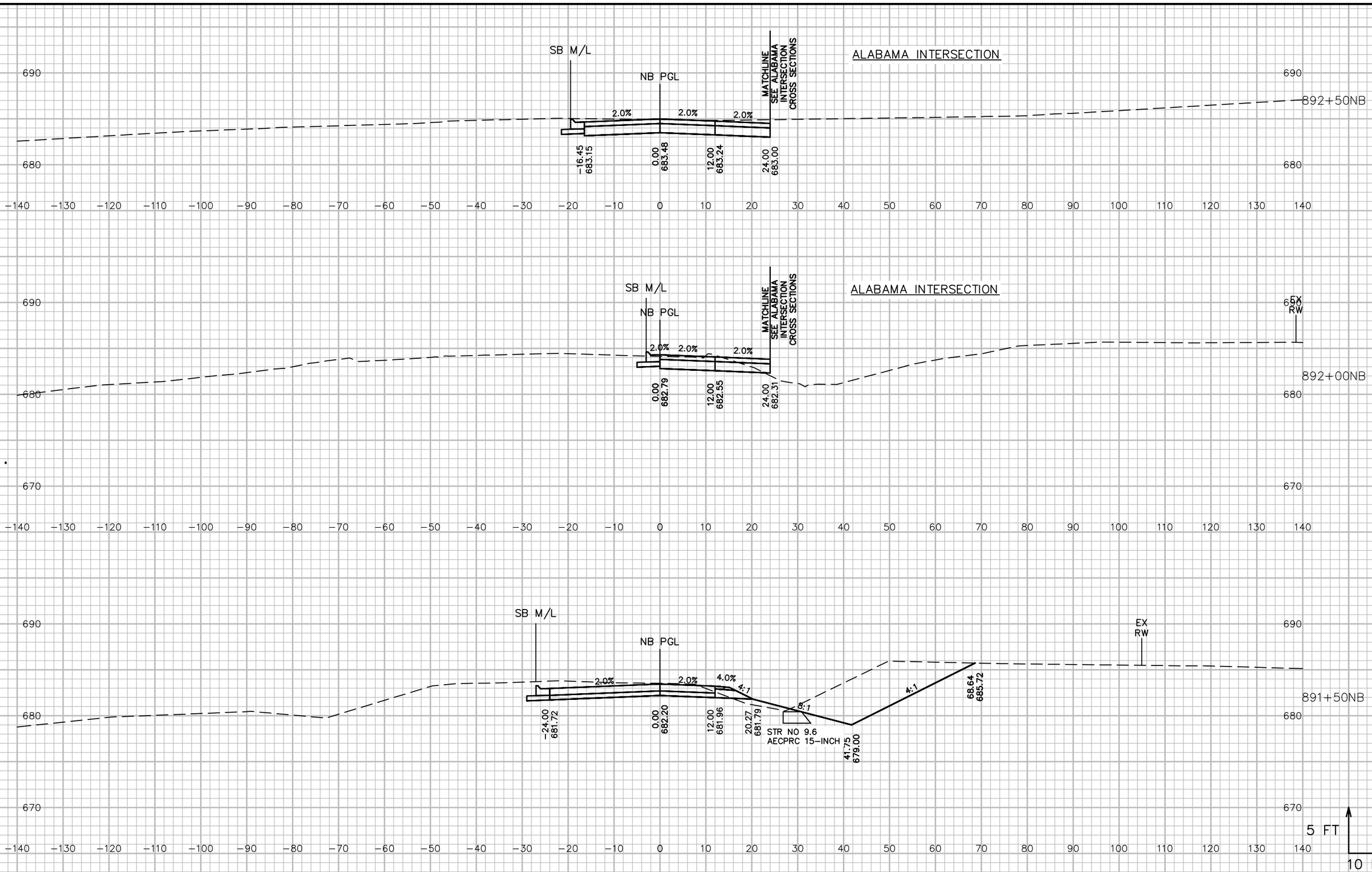
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 387	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 388	E



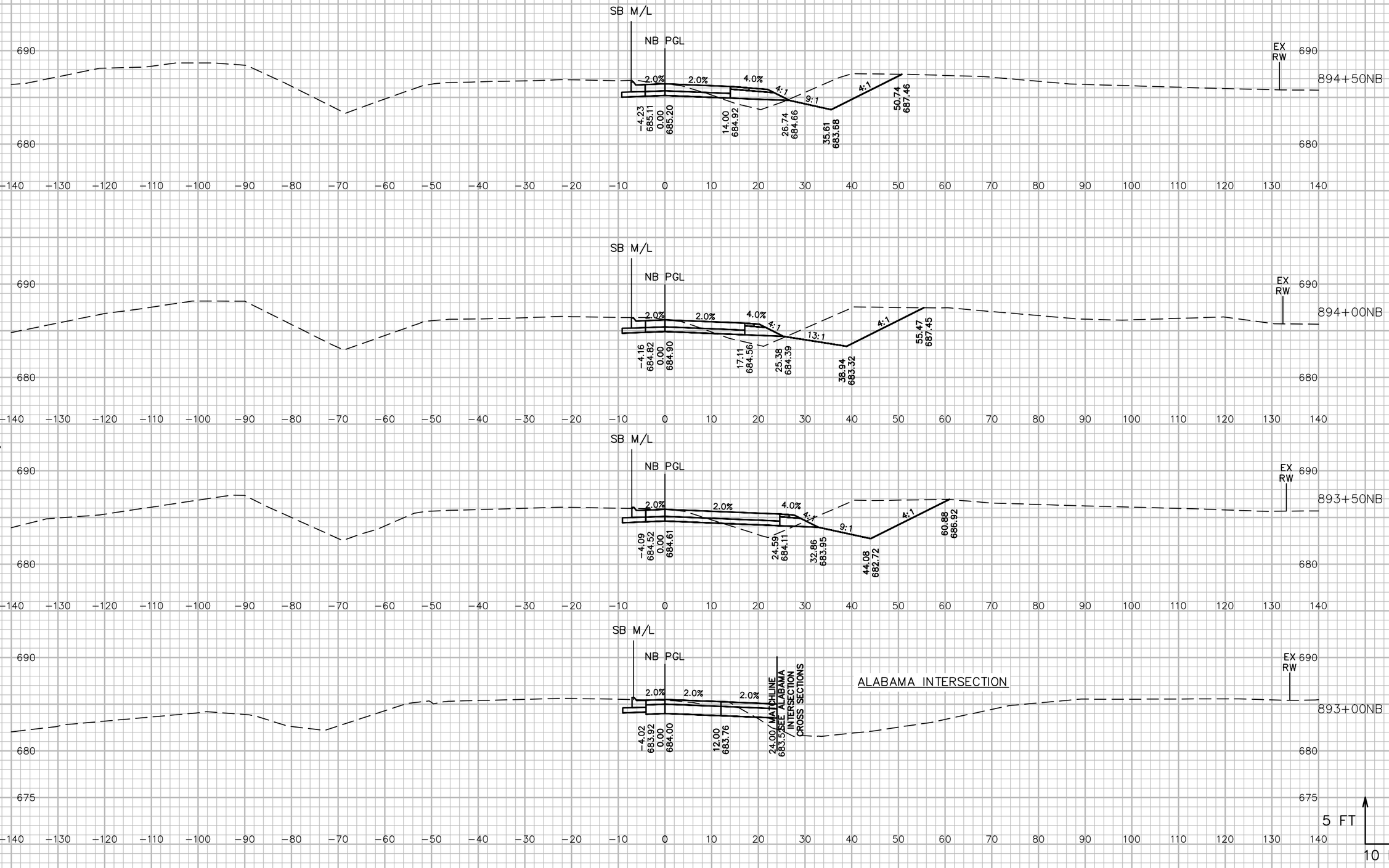
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 389	E



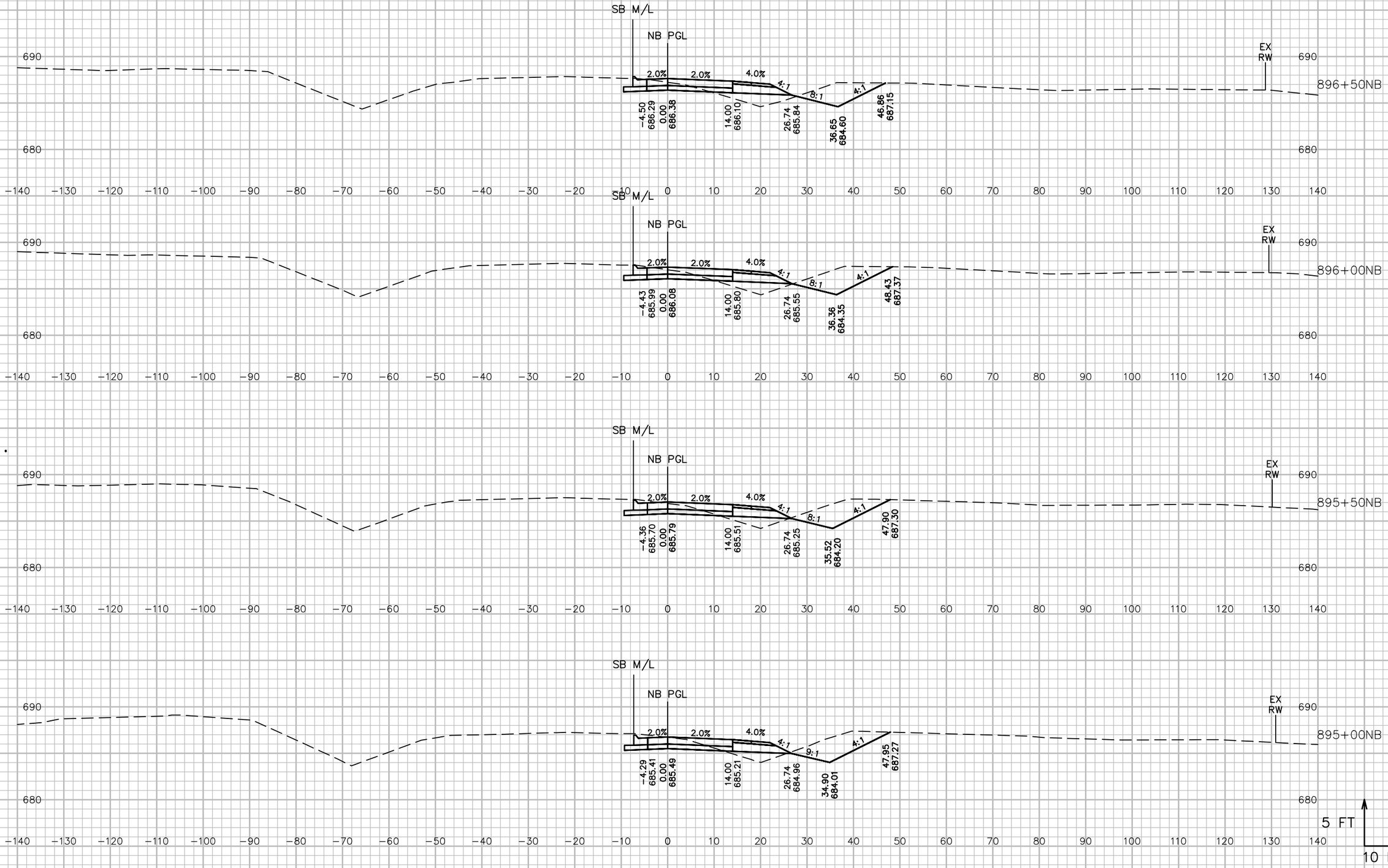
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 390	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:04 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 391	E



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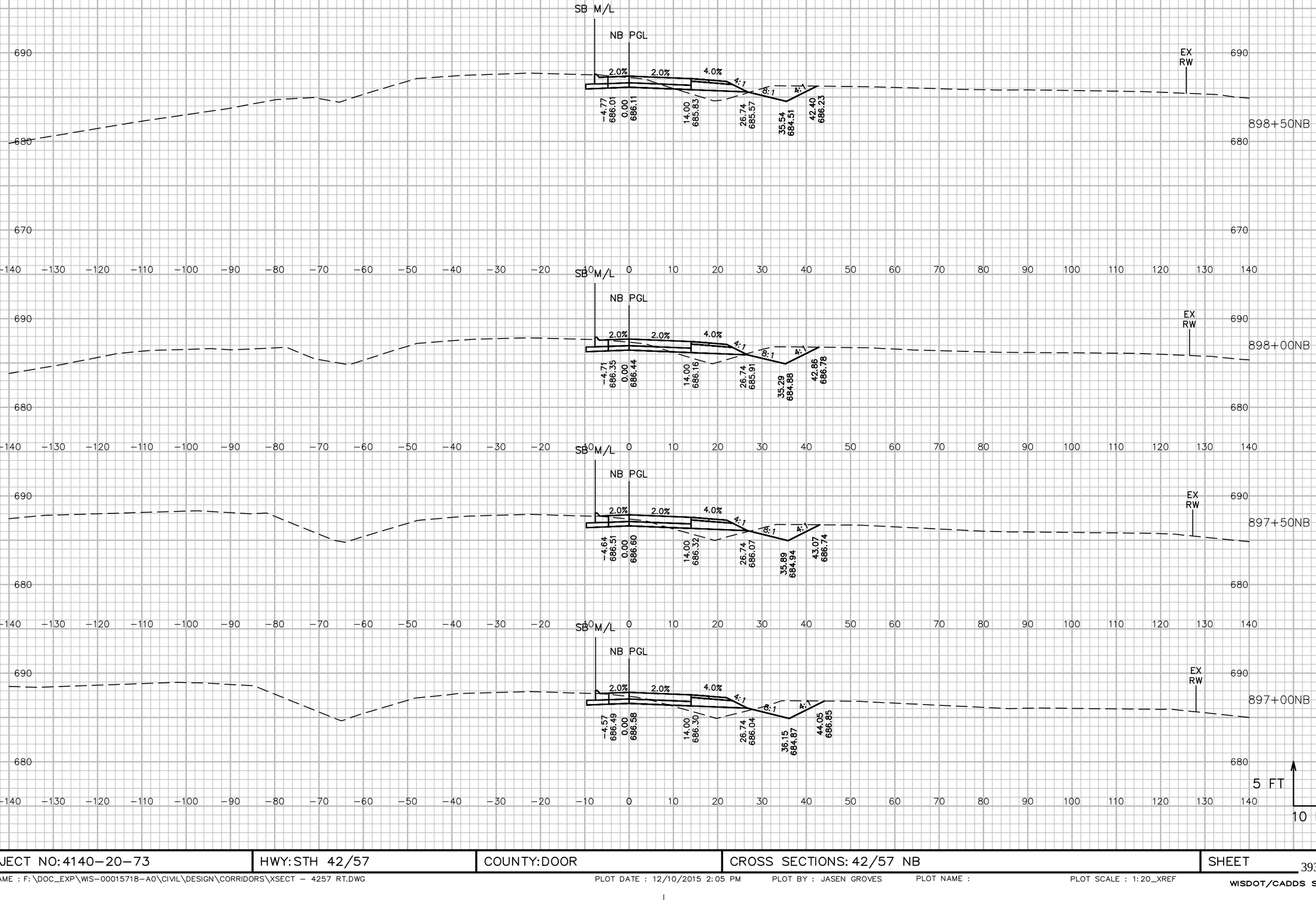
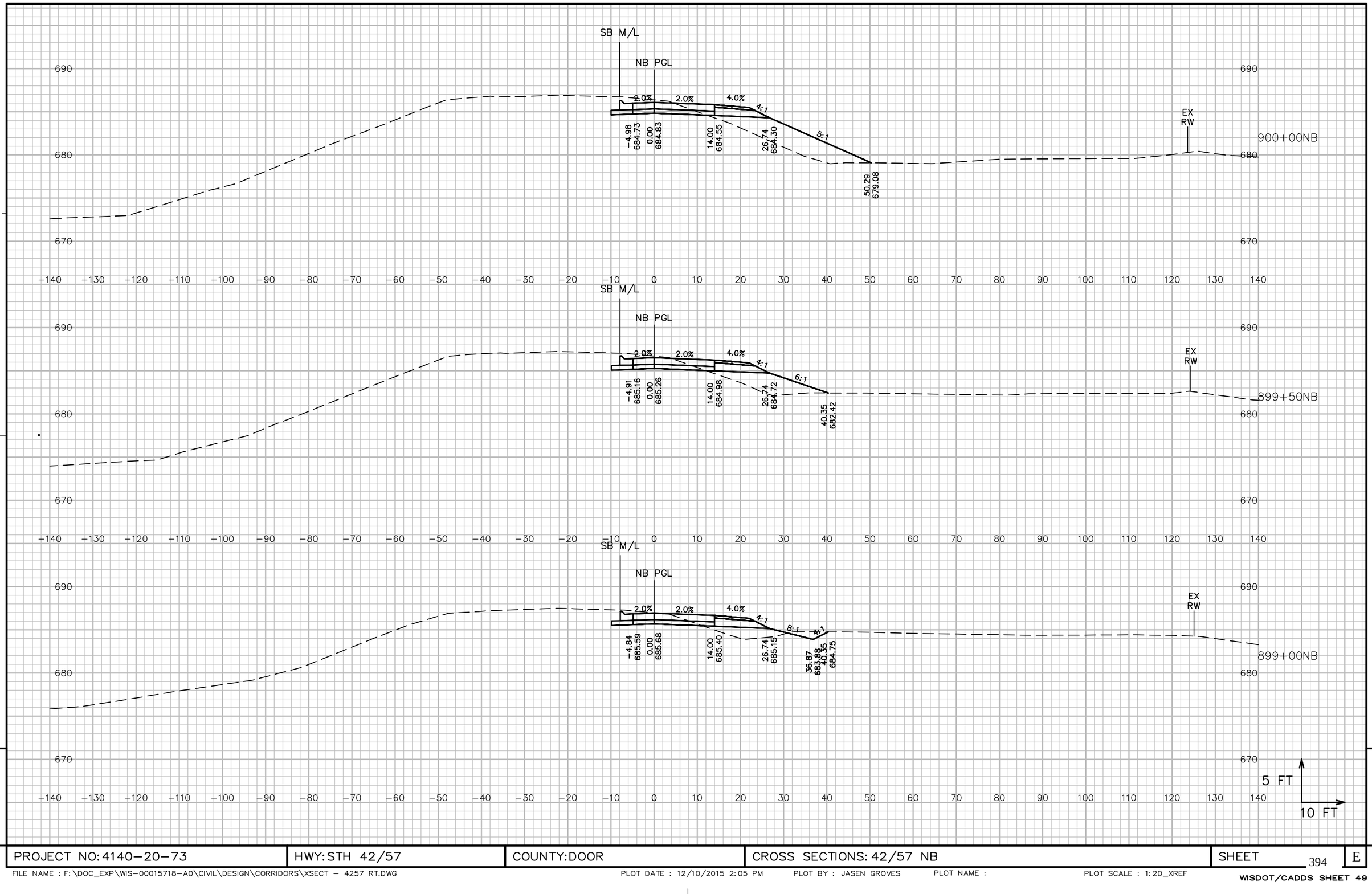
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 392	E



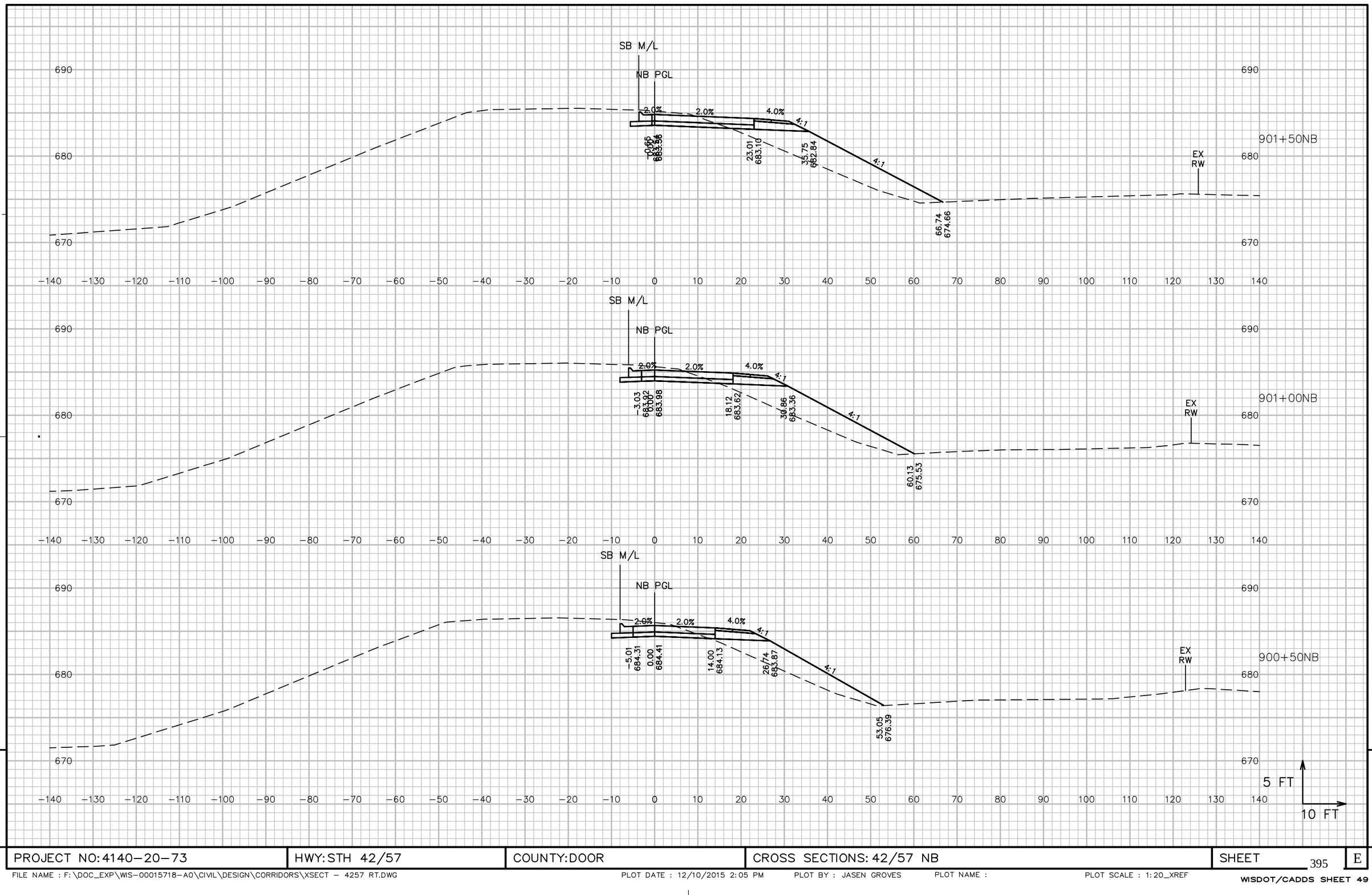
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 393	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 394	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:05 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

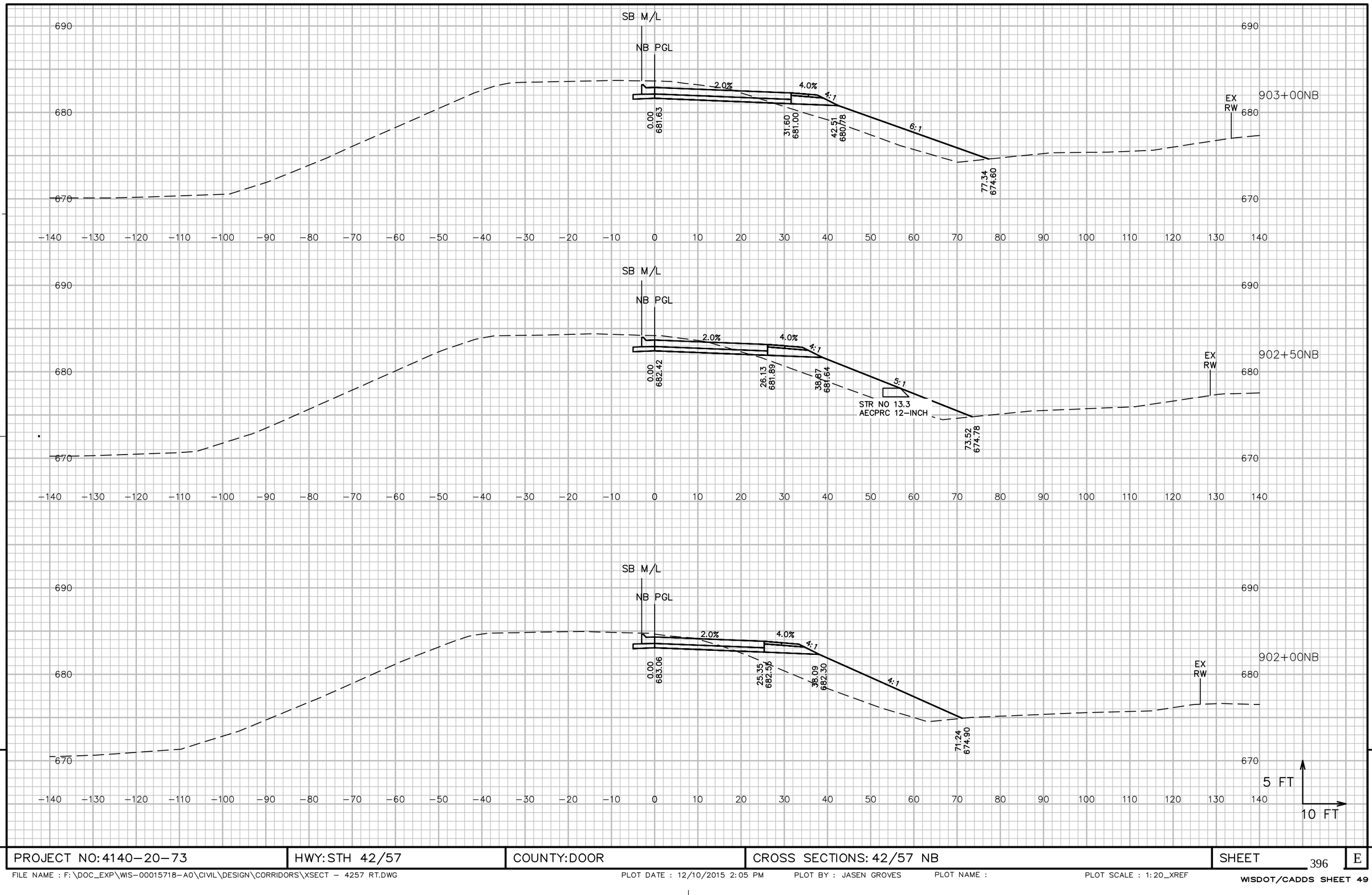
WISDOT/CADDS SHEET 49



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 395	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:05 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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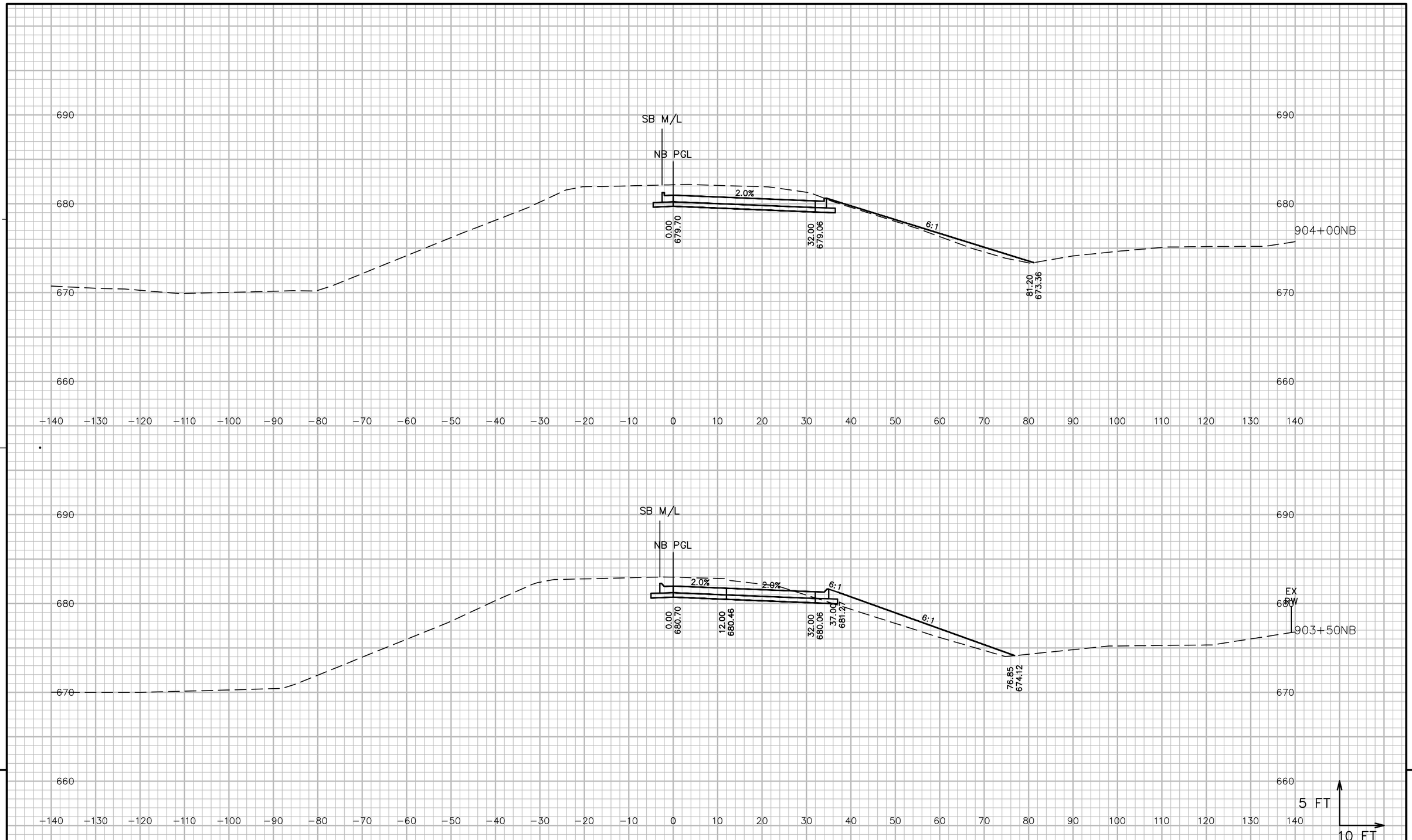
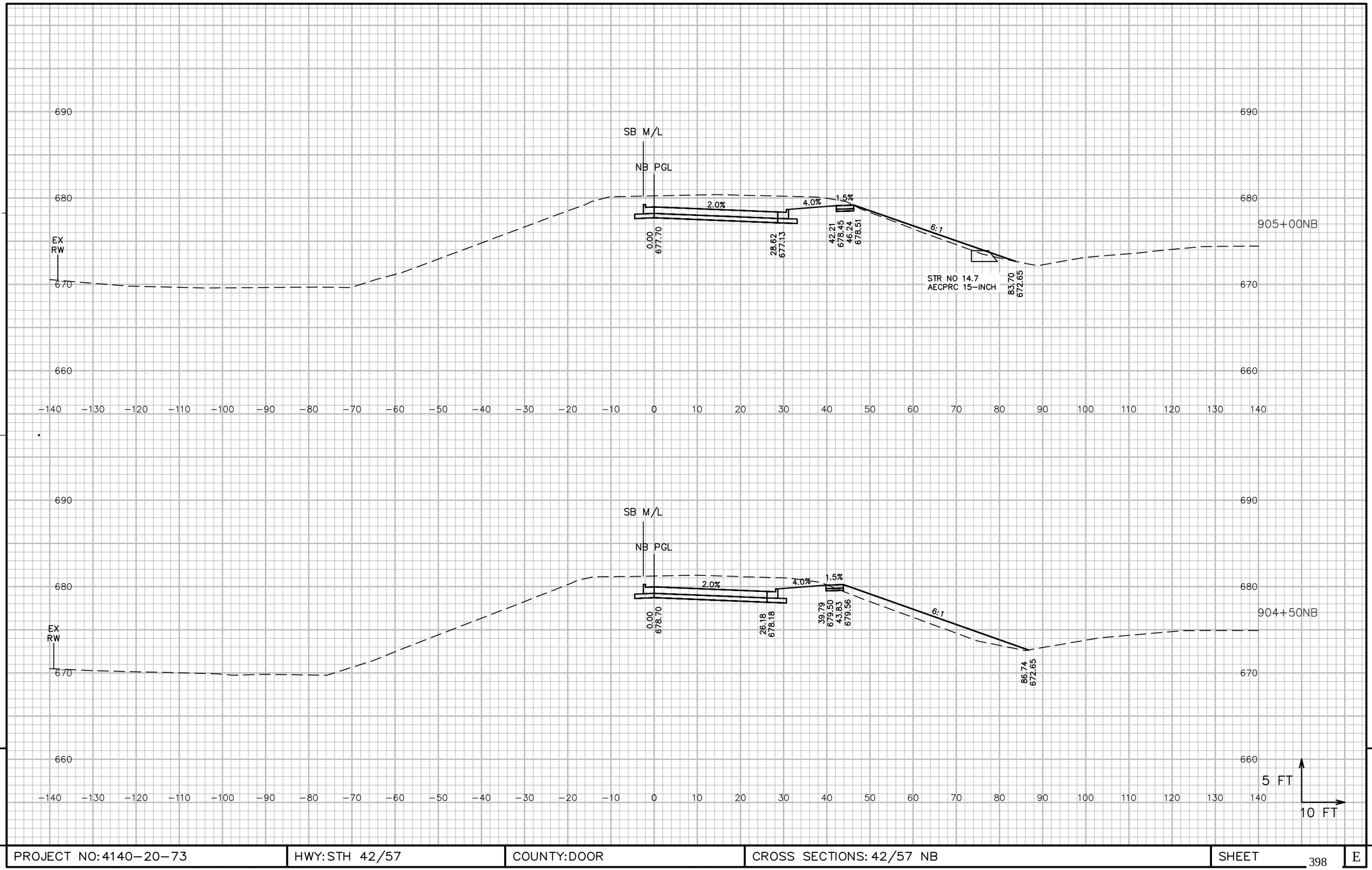
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 396	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:05 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 397	E



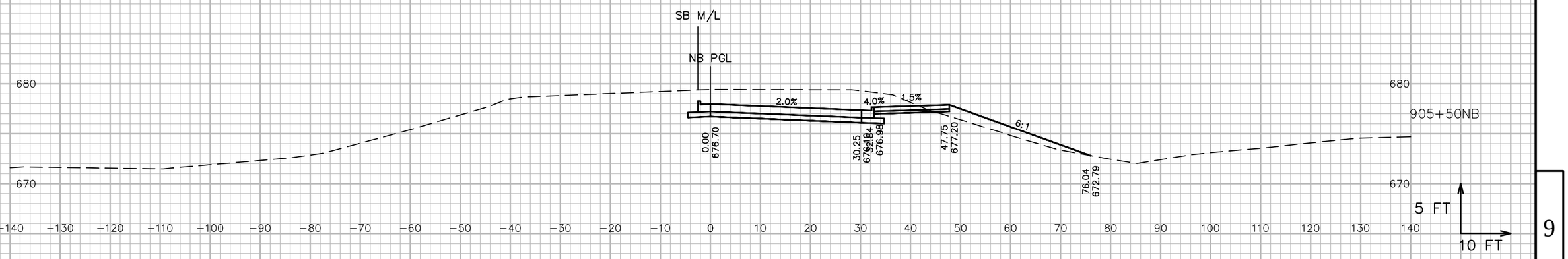
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 398	E

EGG HARBOR ROUNDABOUT

EGG HARBOR ROUNDABOUT

EGG HARBOR ROUNDABOUT

END EARTHWORK
STA. 905+64.26NB
BACK ONLY



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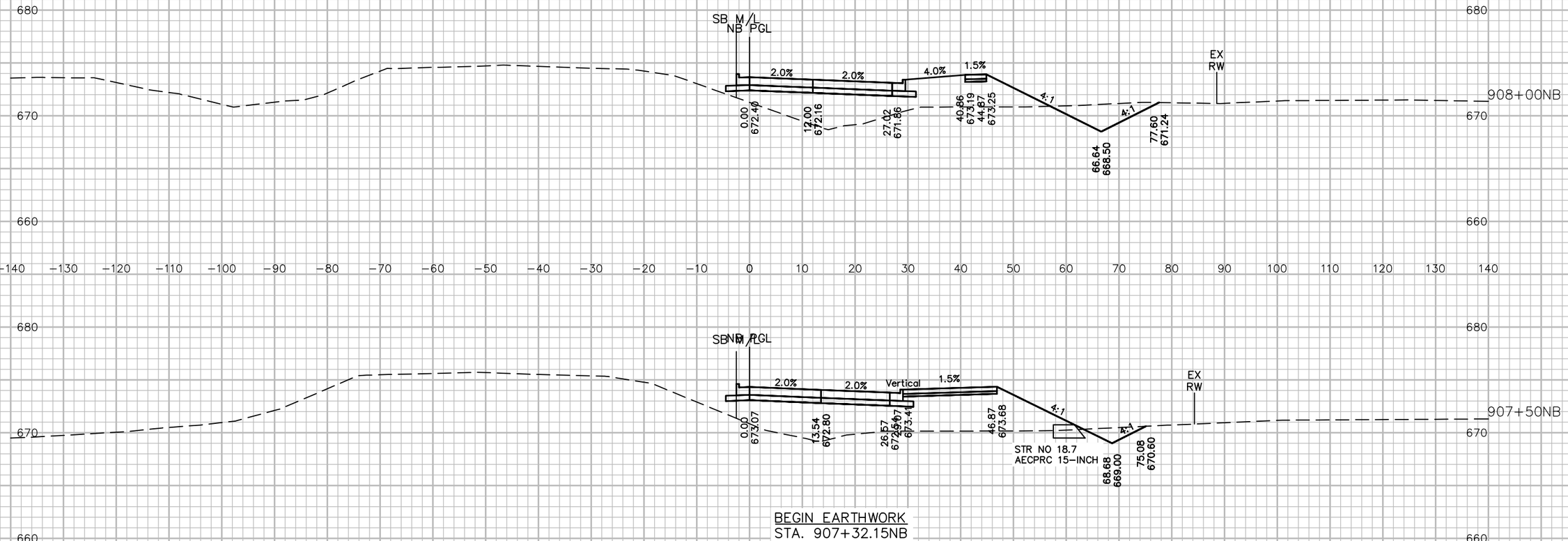
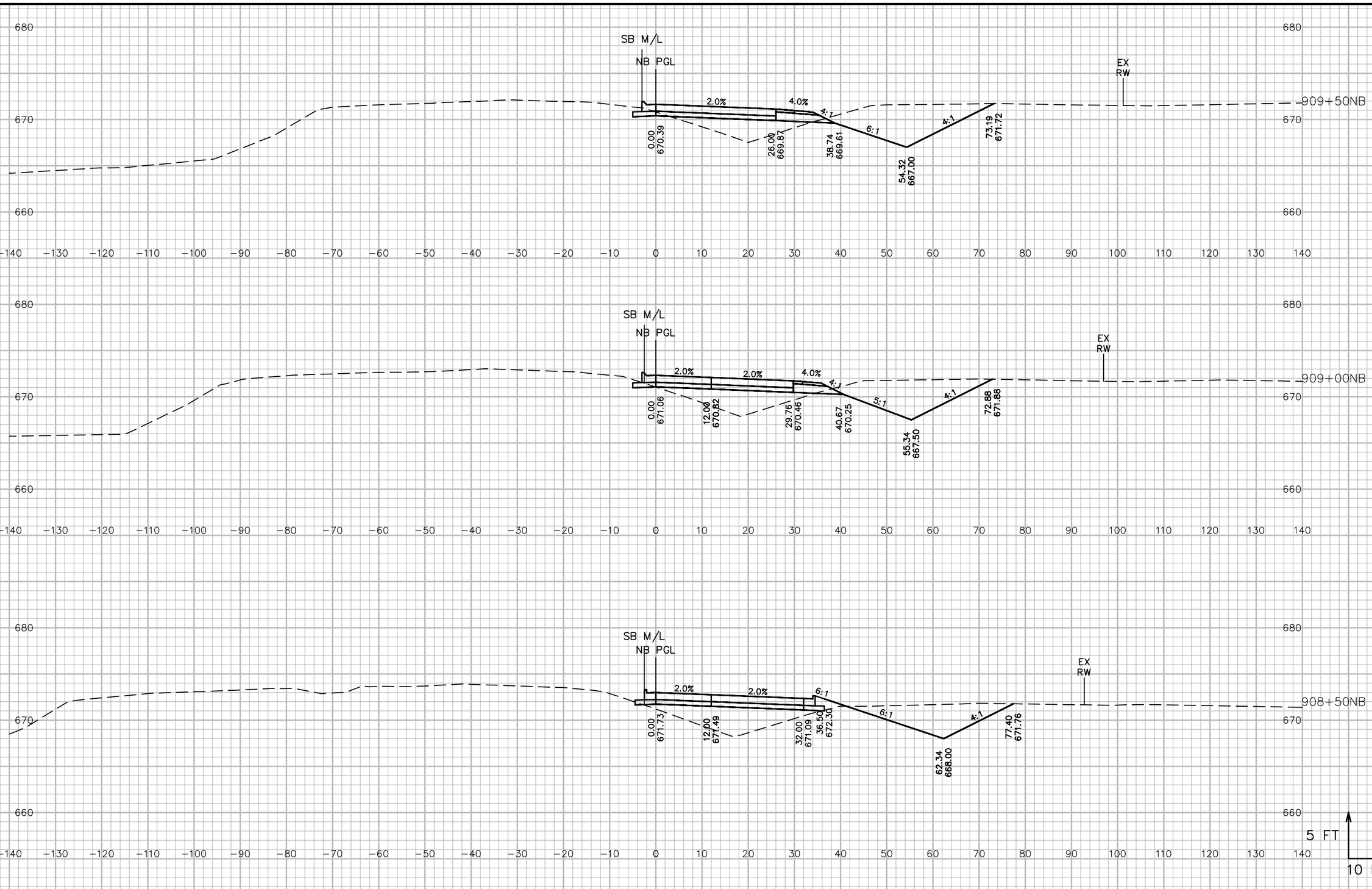
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 399	E



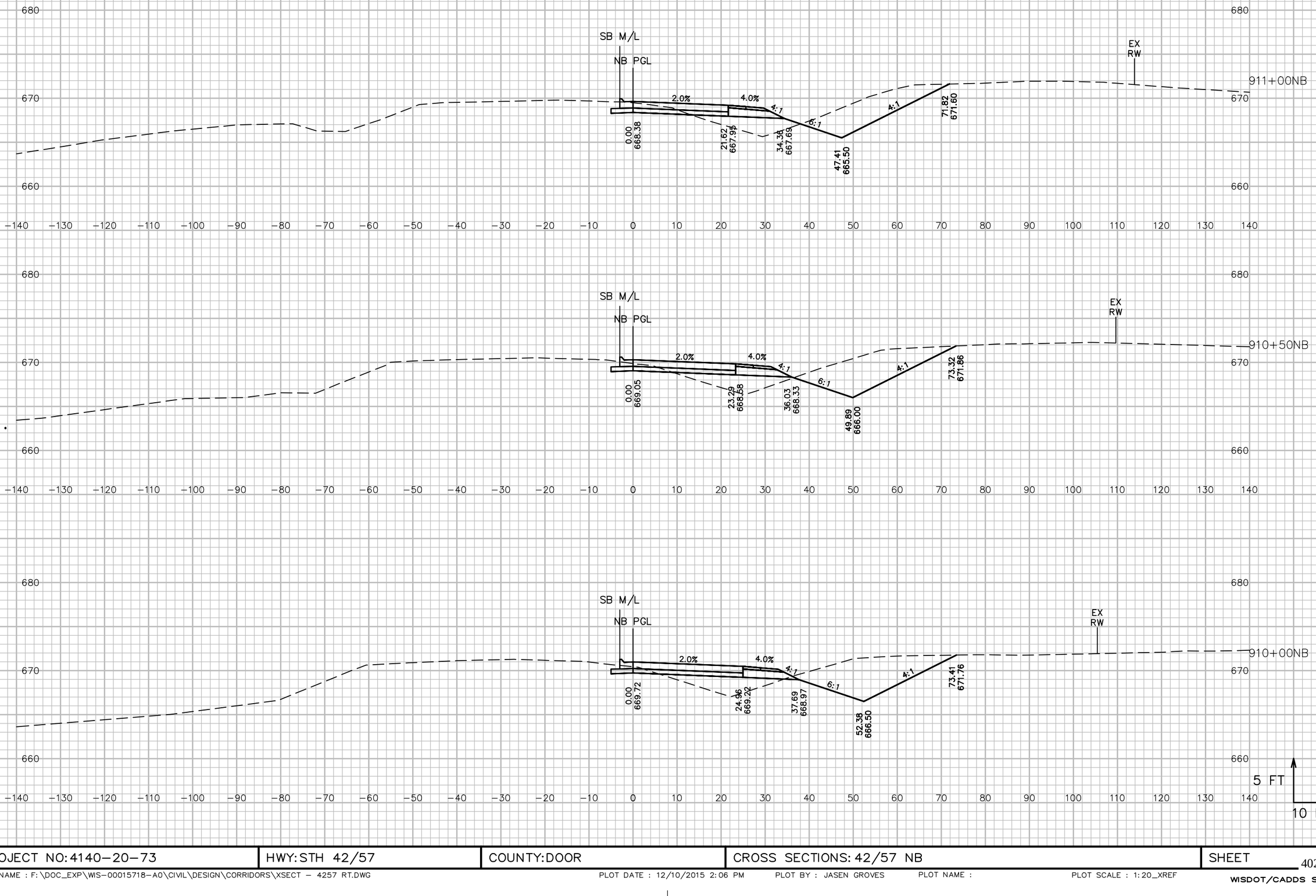
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 400	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG PLOT DATE : 12/10/2015 2:06 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 401	E



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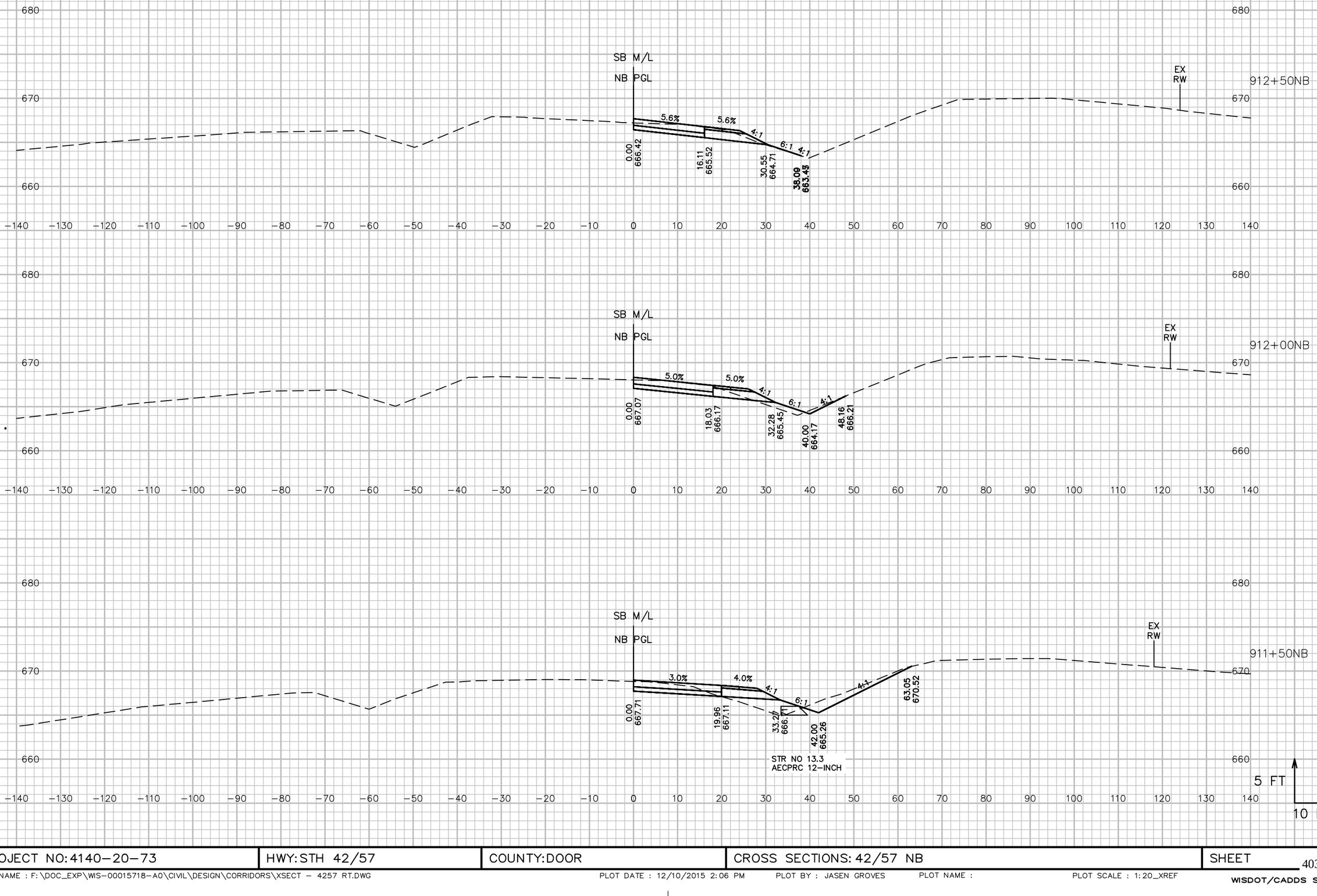
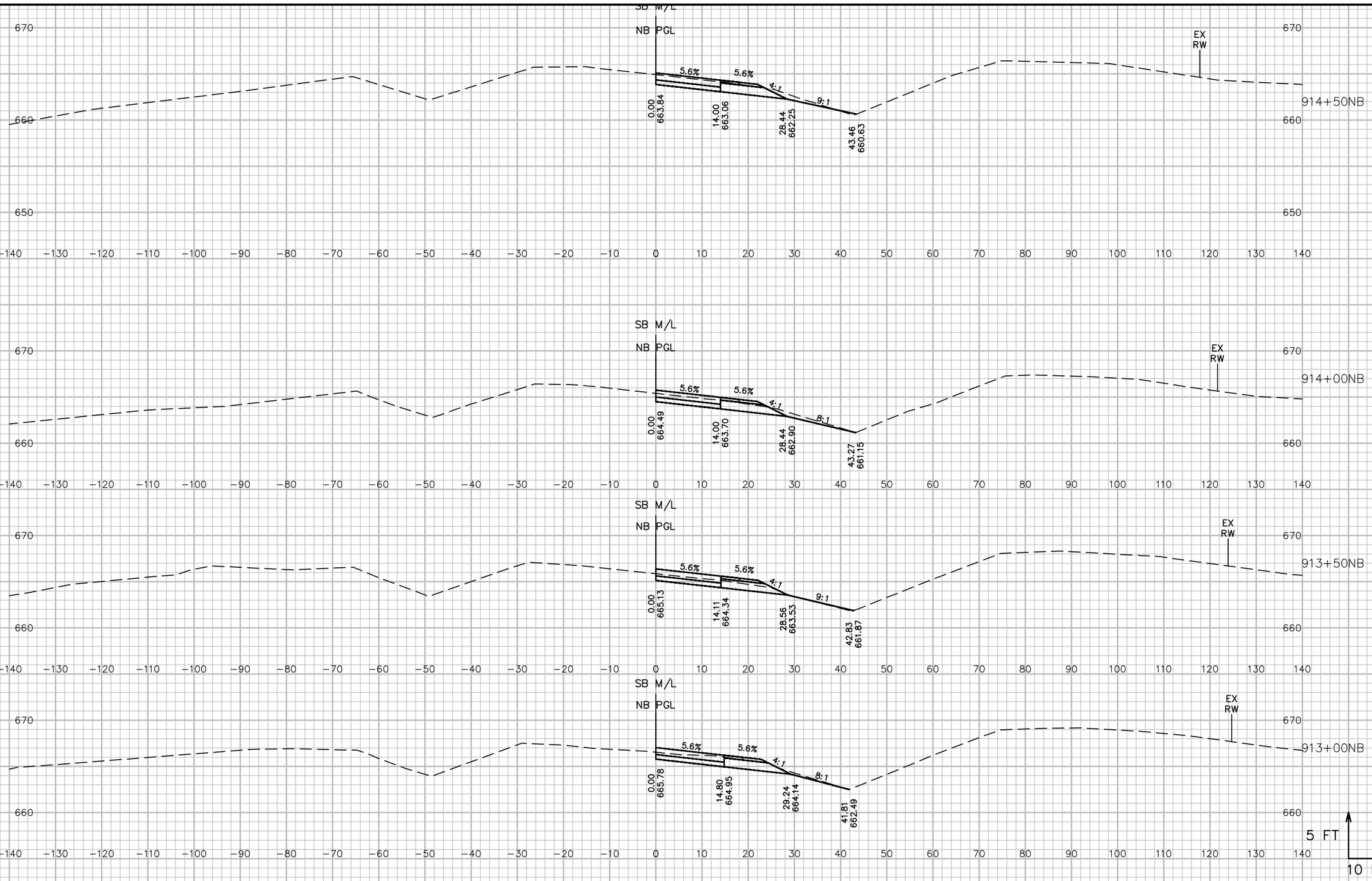
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 402	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 403	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 404	E

END PROJECT
STA. 915+21.45NB
BACK ONLY

SB M/L
NB PGL

5.6%
5.6%
4:1
1:1

0.00
663.20
14.00
662.41
28.44
661.61
43.50
660.19

EX
RW

915+00NB

670
660
650

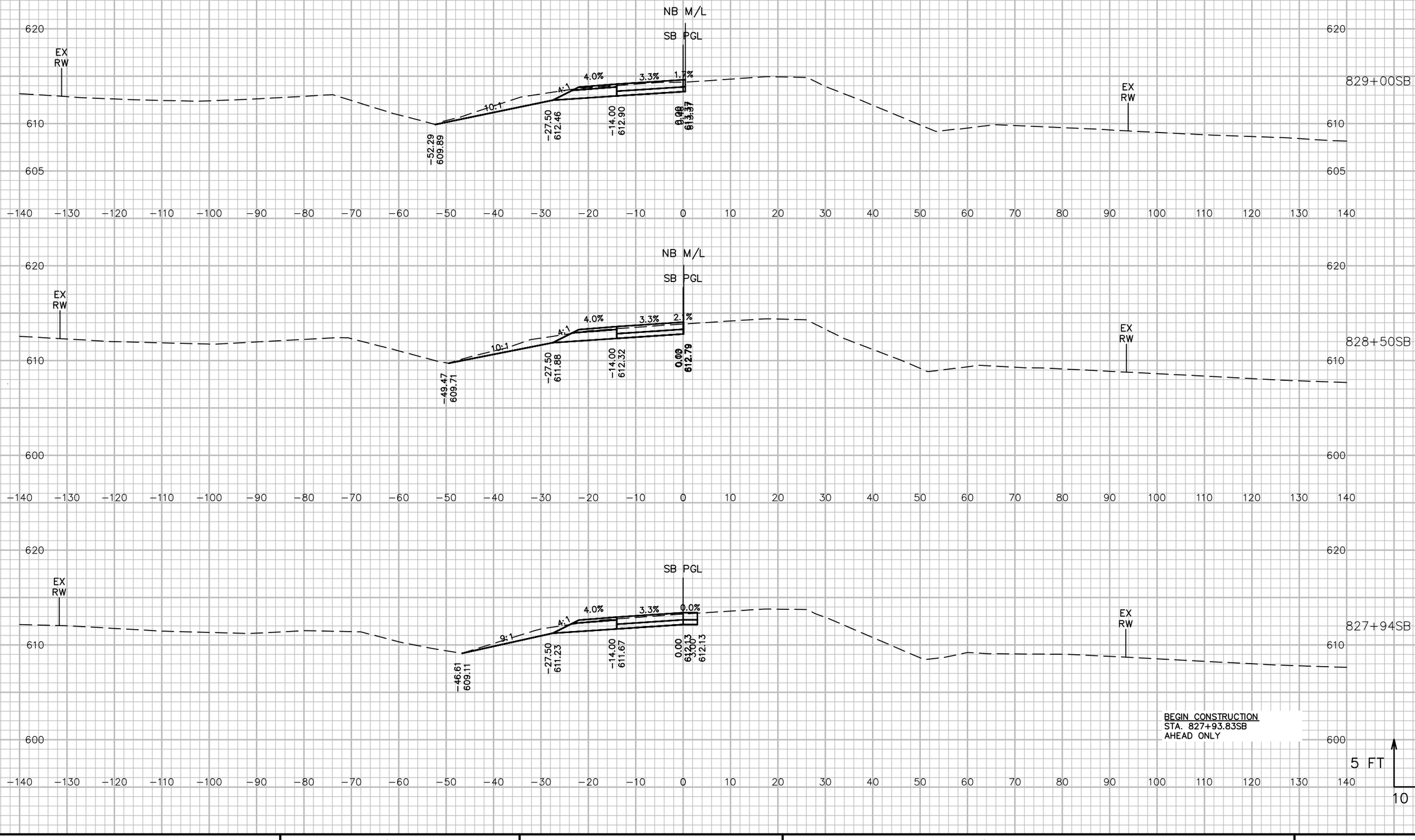
−140 −130 −120 −110 −100 −90 −80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

5 FT
10 FT

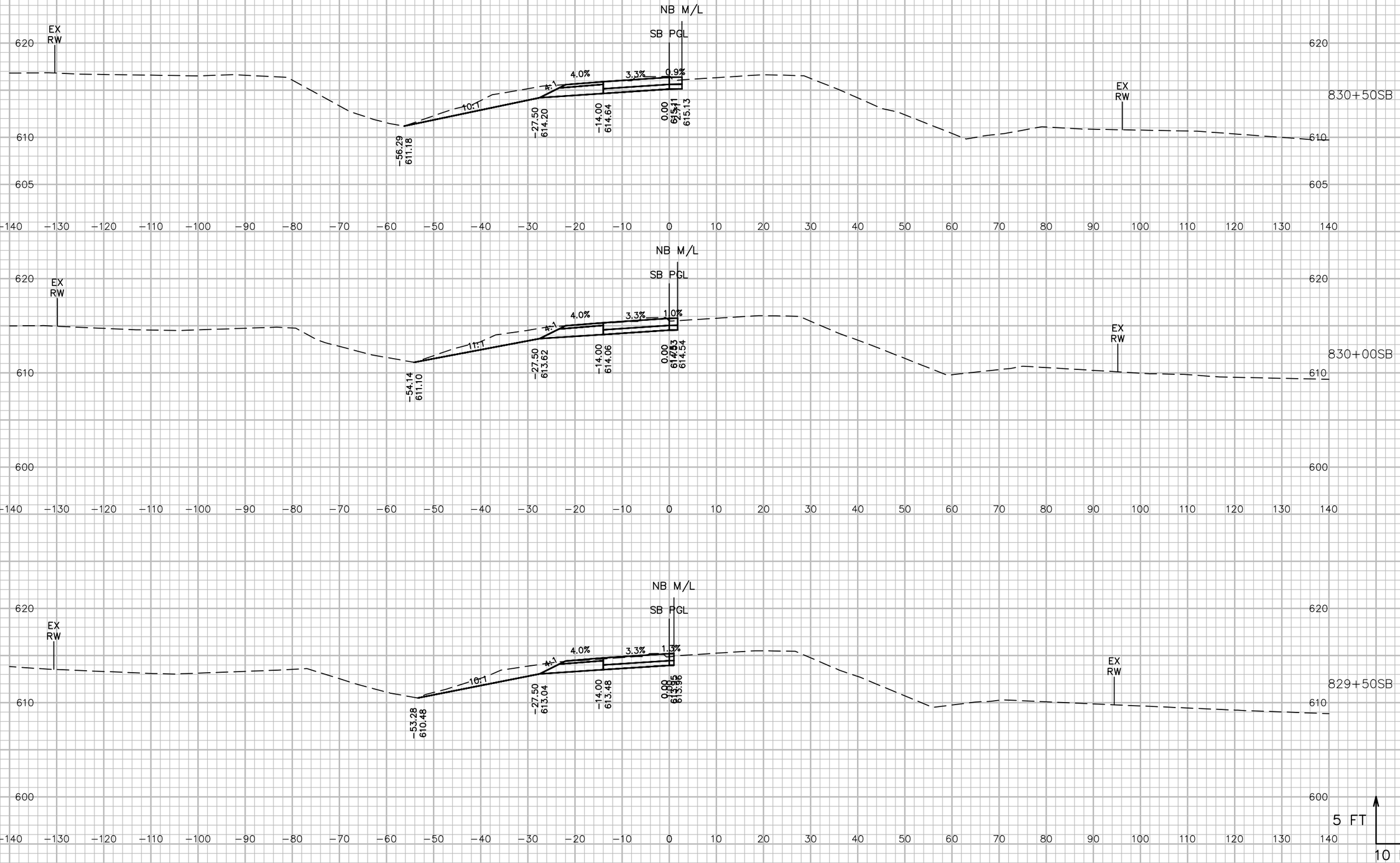
9

PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: 42/57 NB	SHEET 405	E

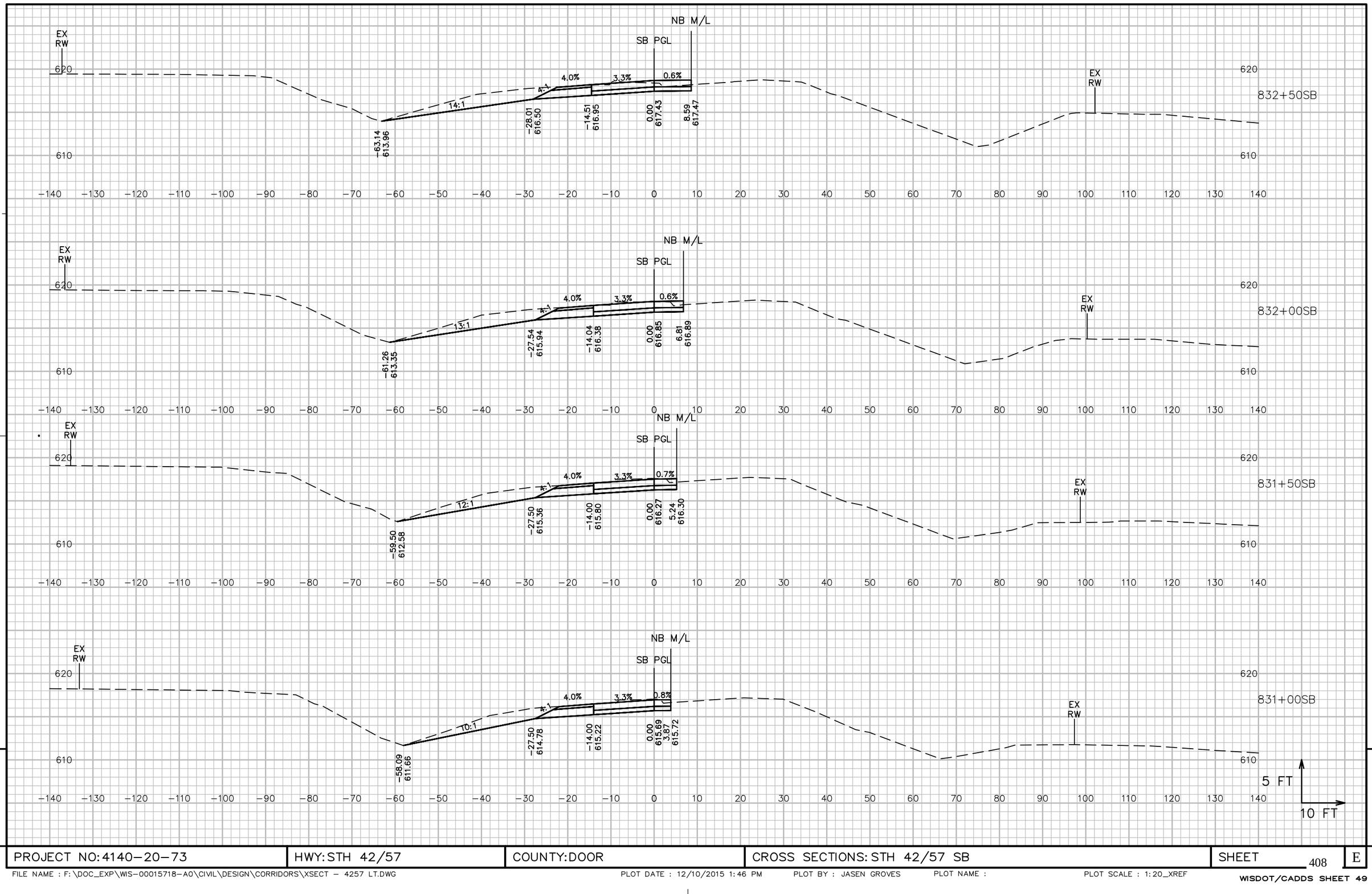
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 RT.DWG
PLOT DATE : 12/10/2015 2:07 PM
PLOT BY : JASEN GROVES
PLOT NAME :
PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 406	E

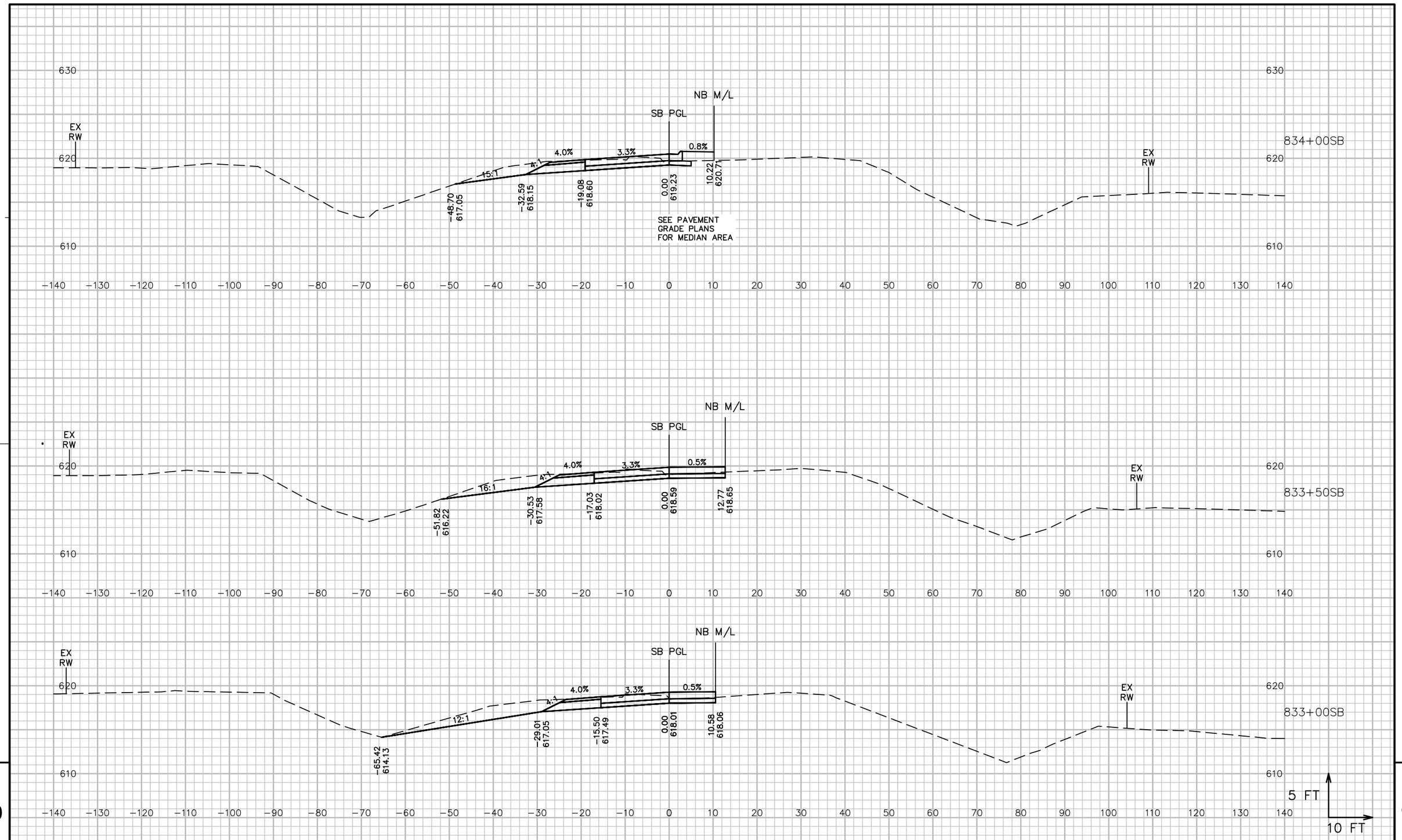


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 407	E



9 9

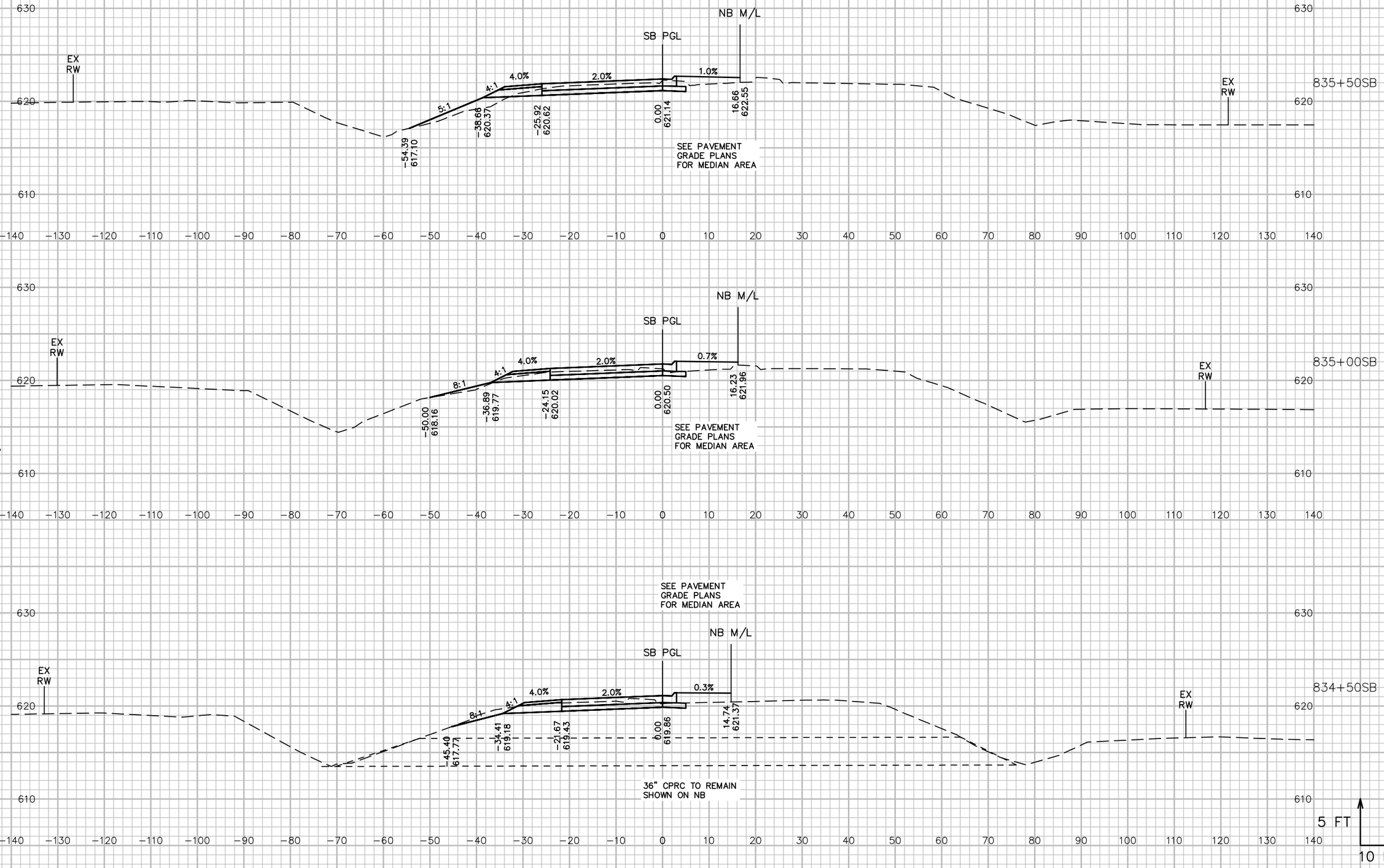
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 408	E



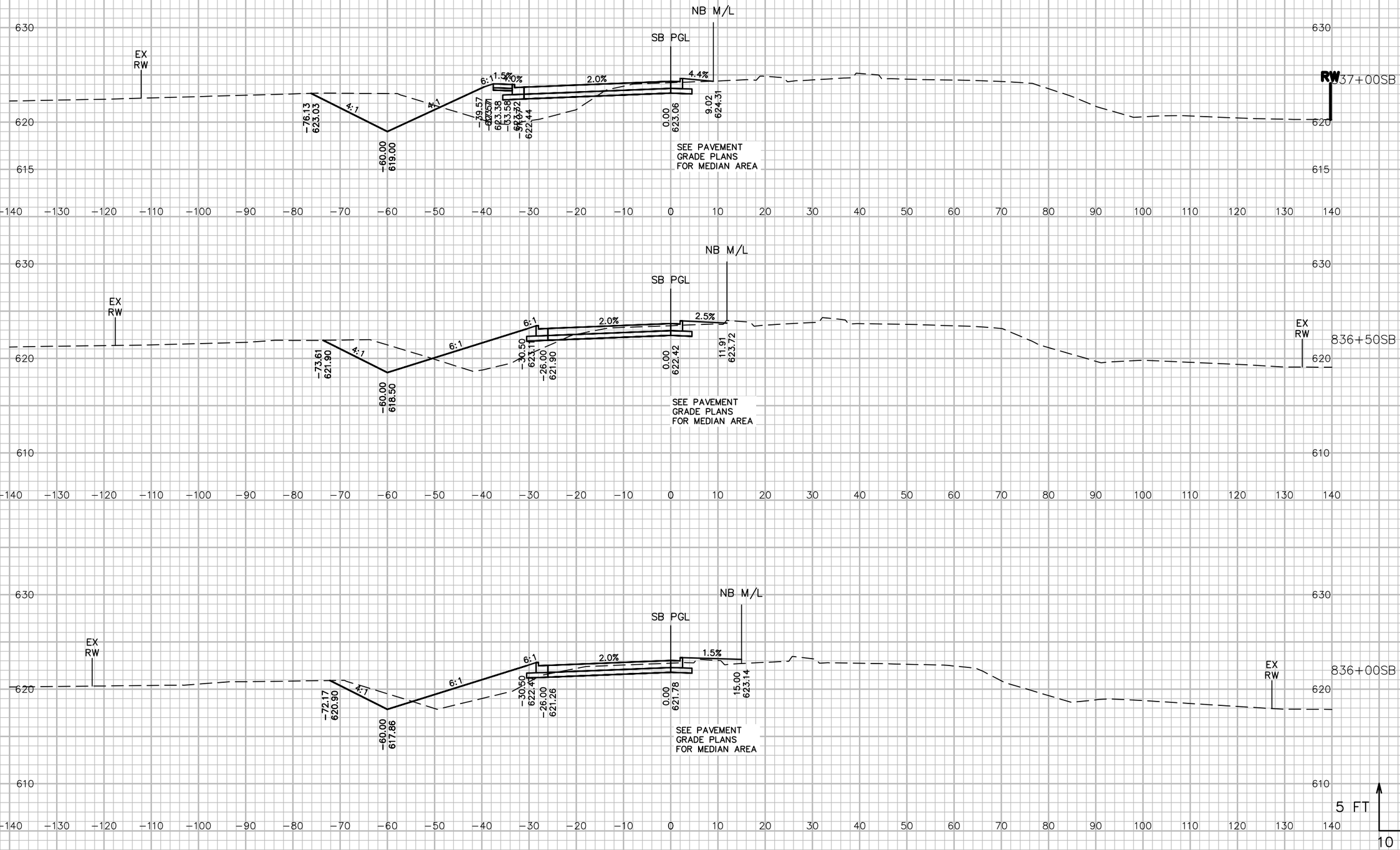
9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 409	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:46 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 410	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 411	E

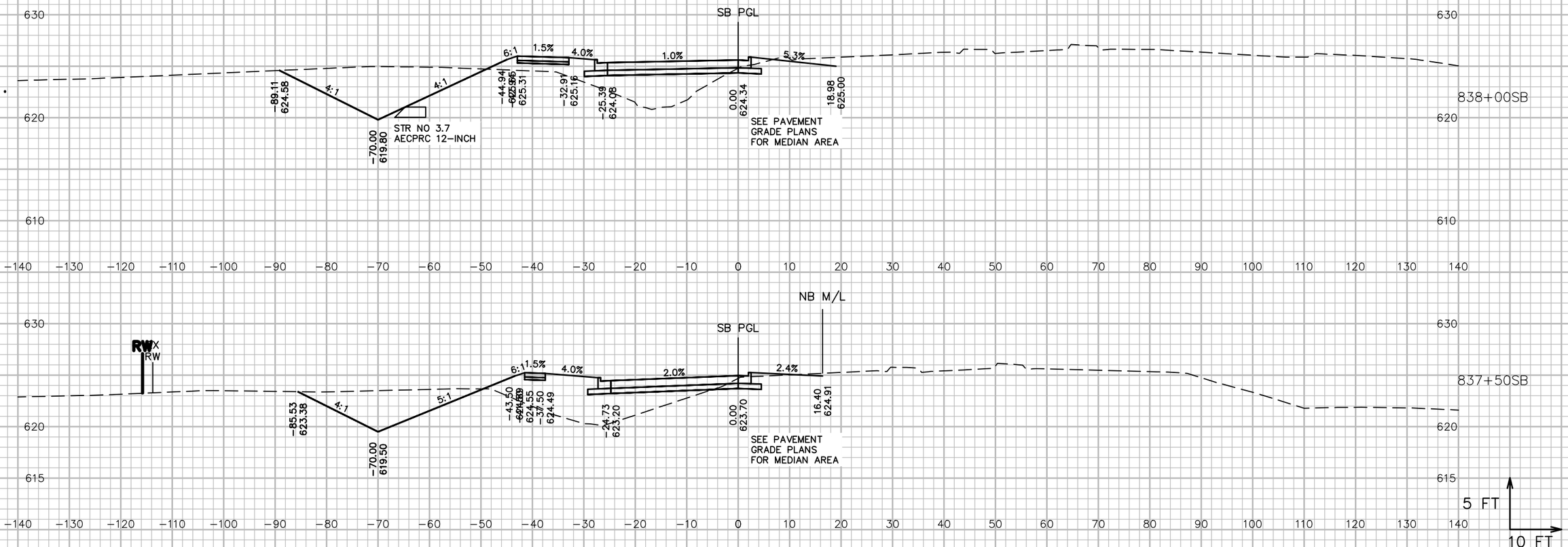
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

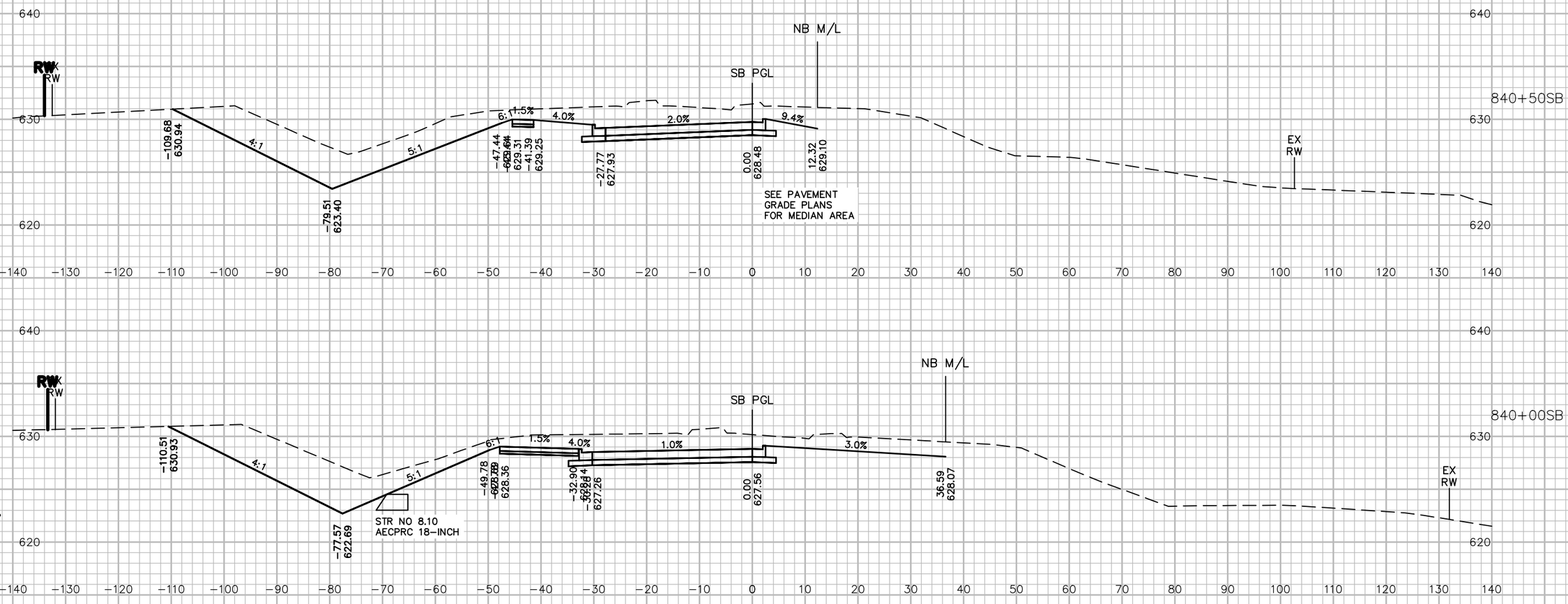
MICHIGAN ROUNDABOUT

MICHIGAN ROUNDABOUT

END EARTHWORK
STA. 838+02.40SB
BACK ONLY



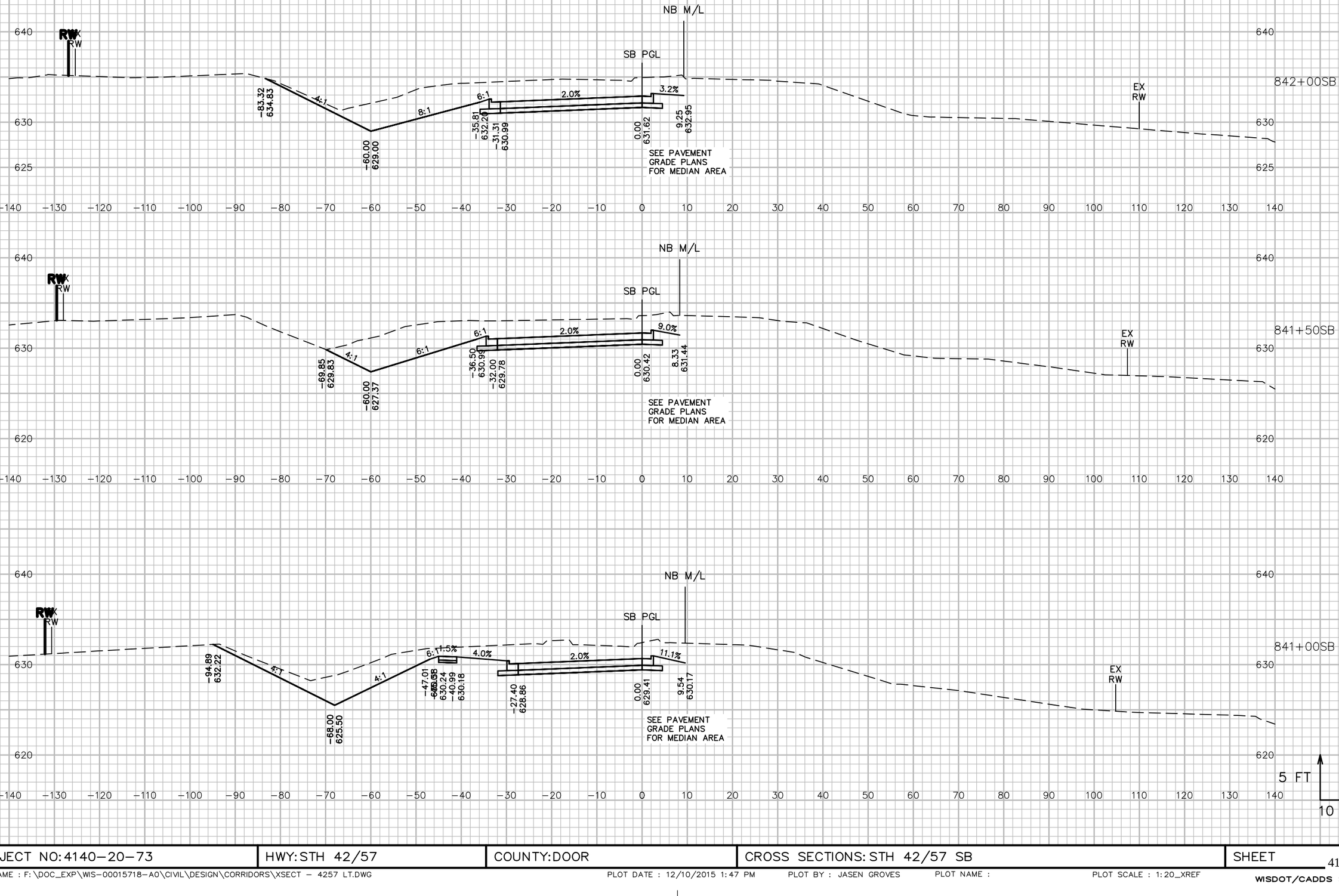
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 412	E



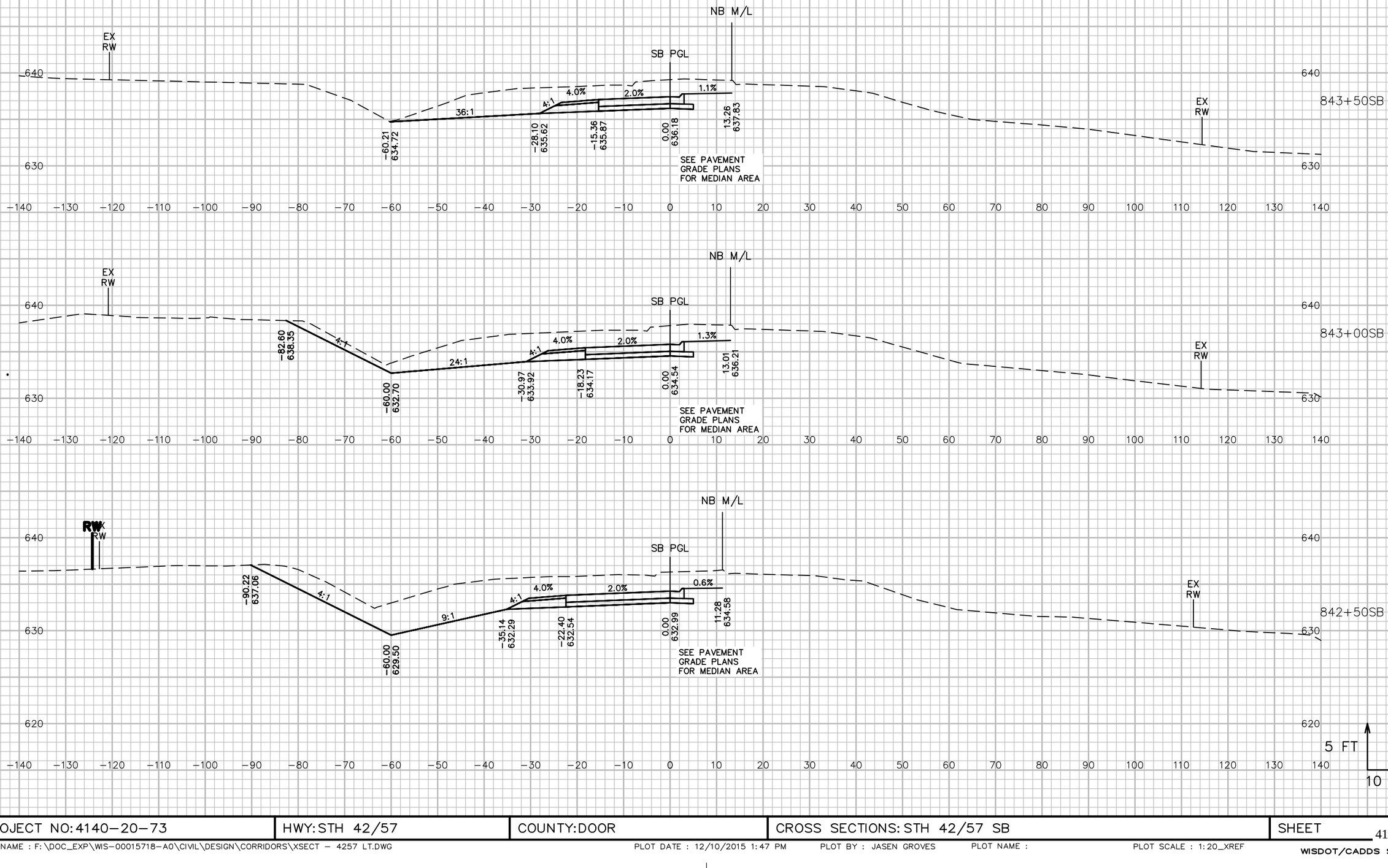
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 413	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

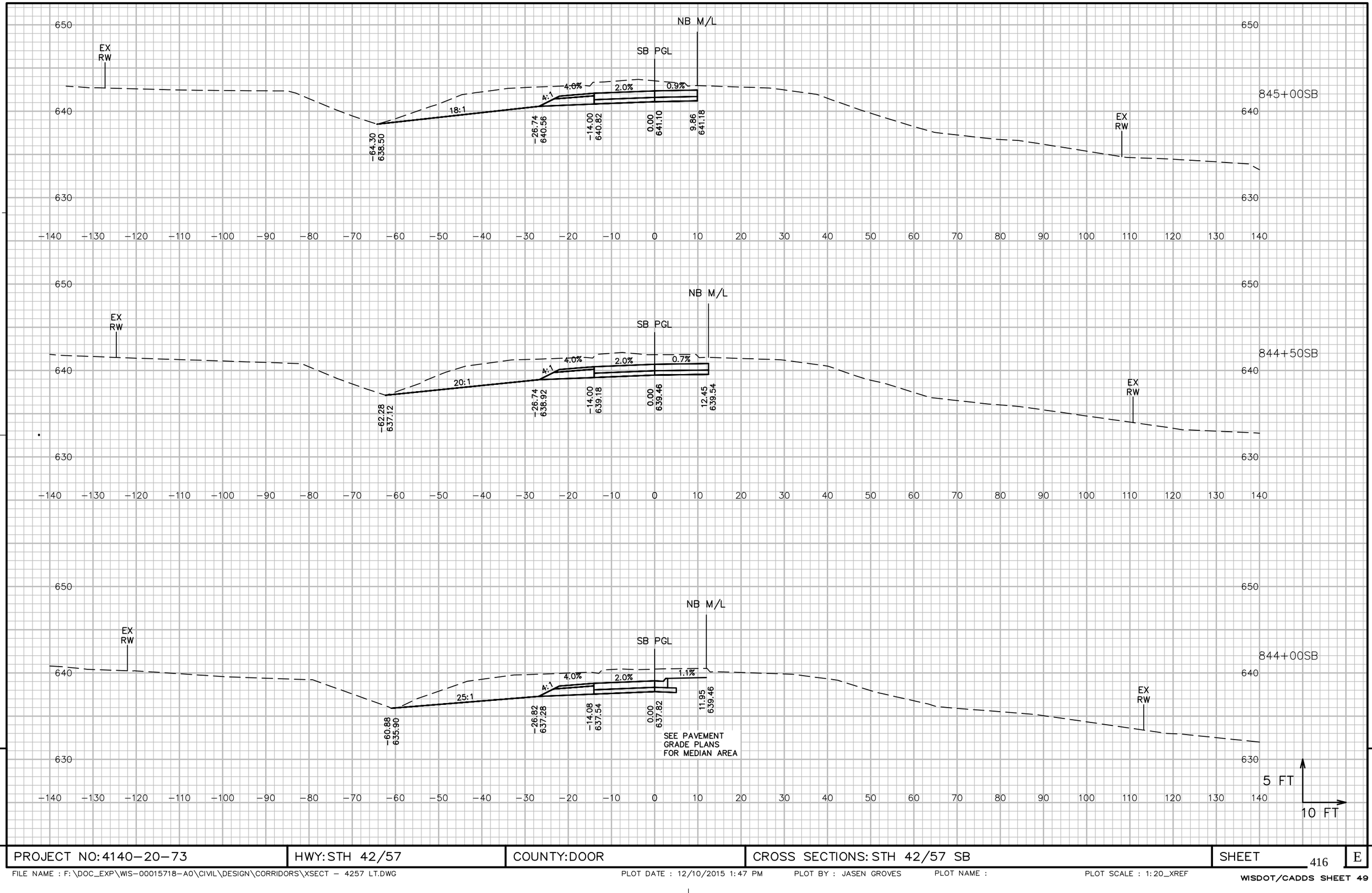
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 414	E

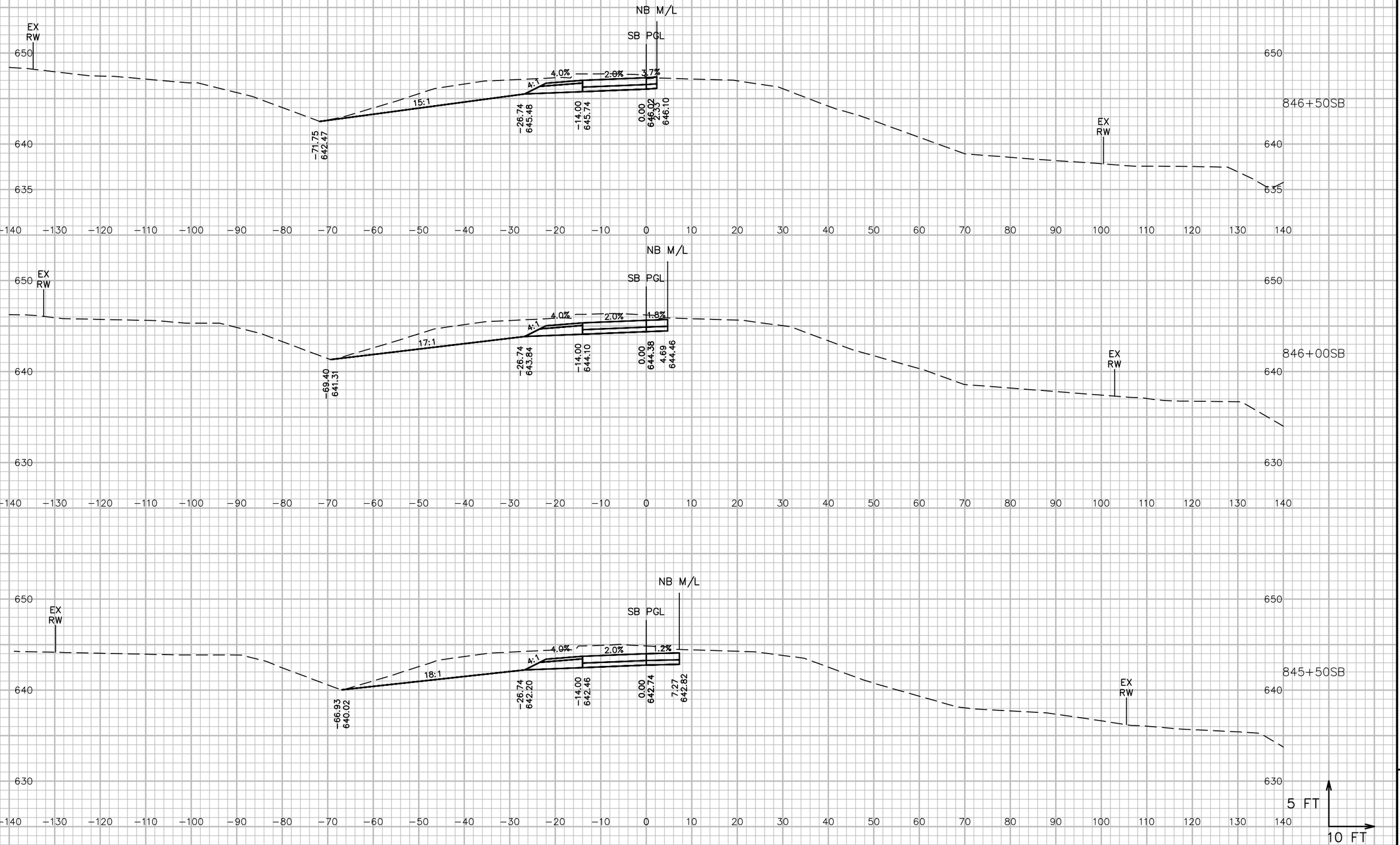


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 415	E

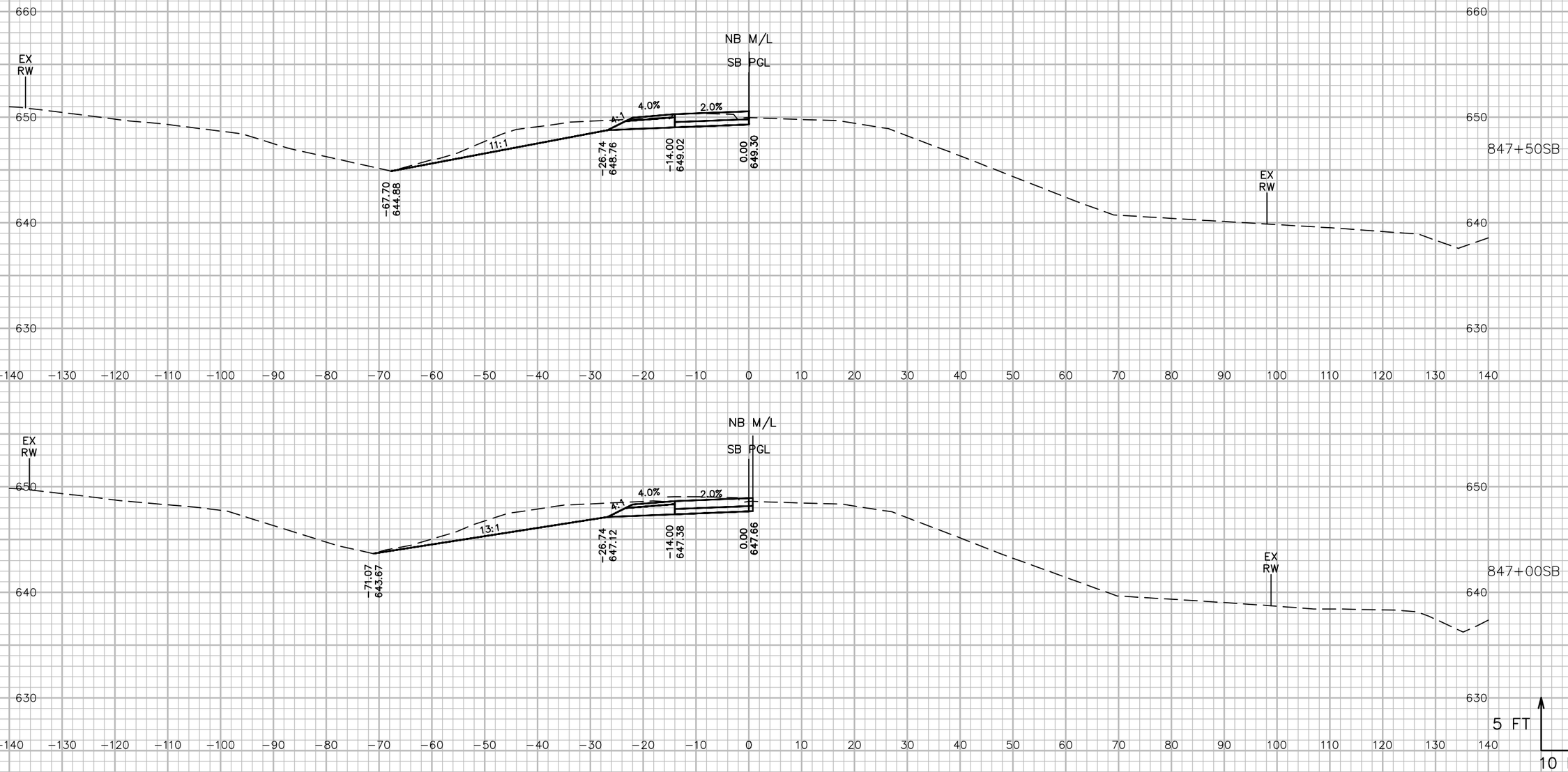


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 416	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



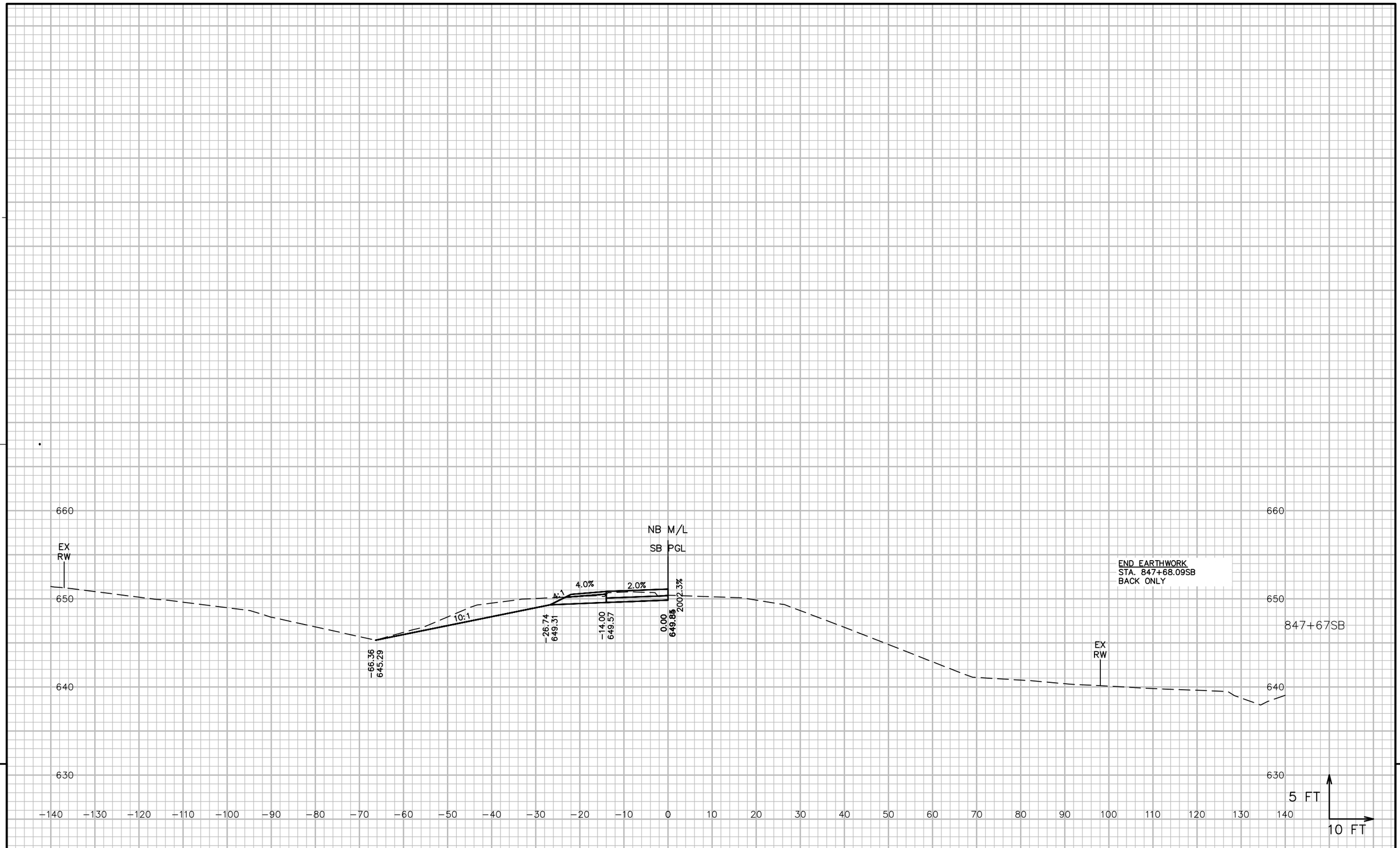
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 417	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 418	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

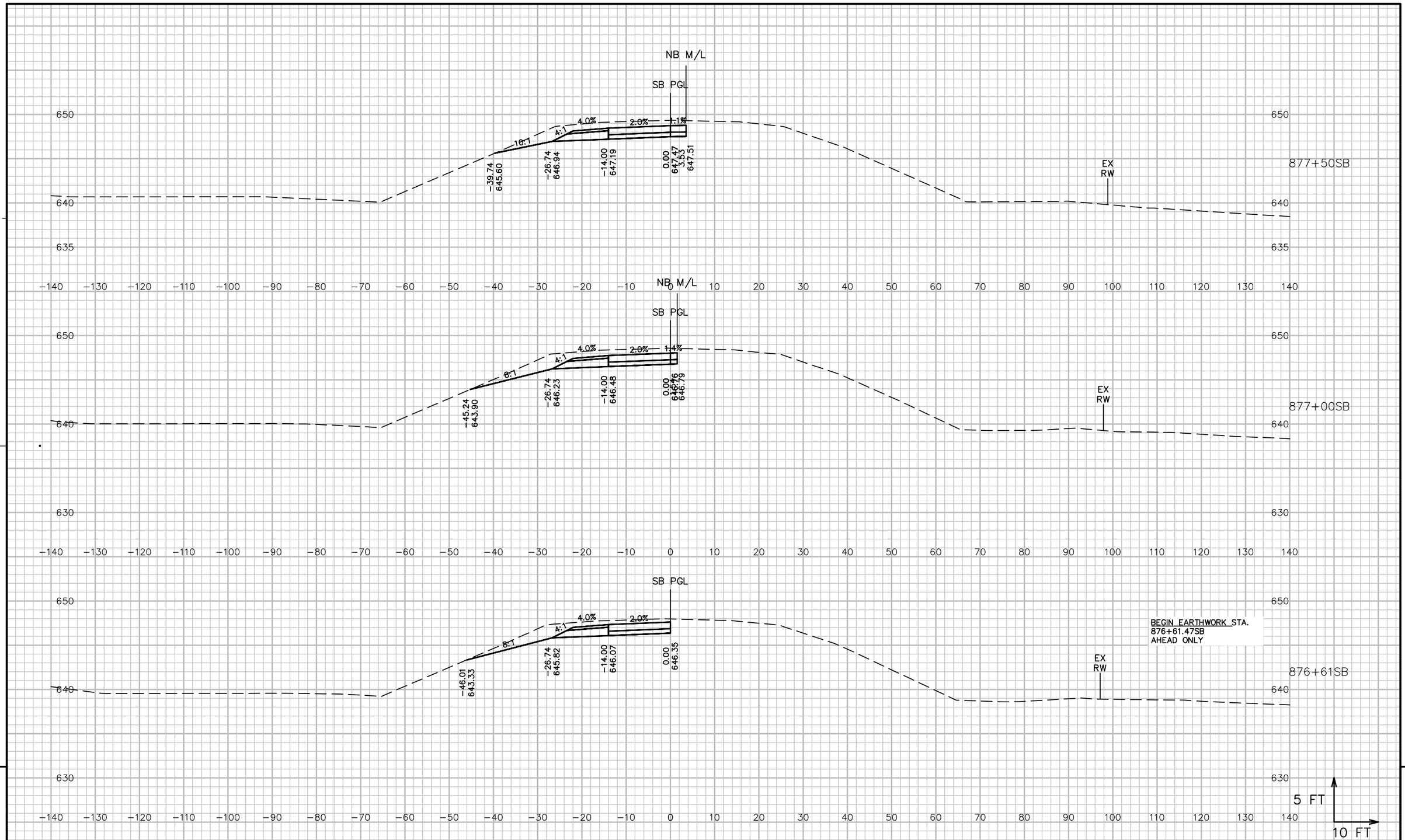
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 419	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

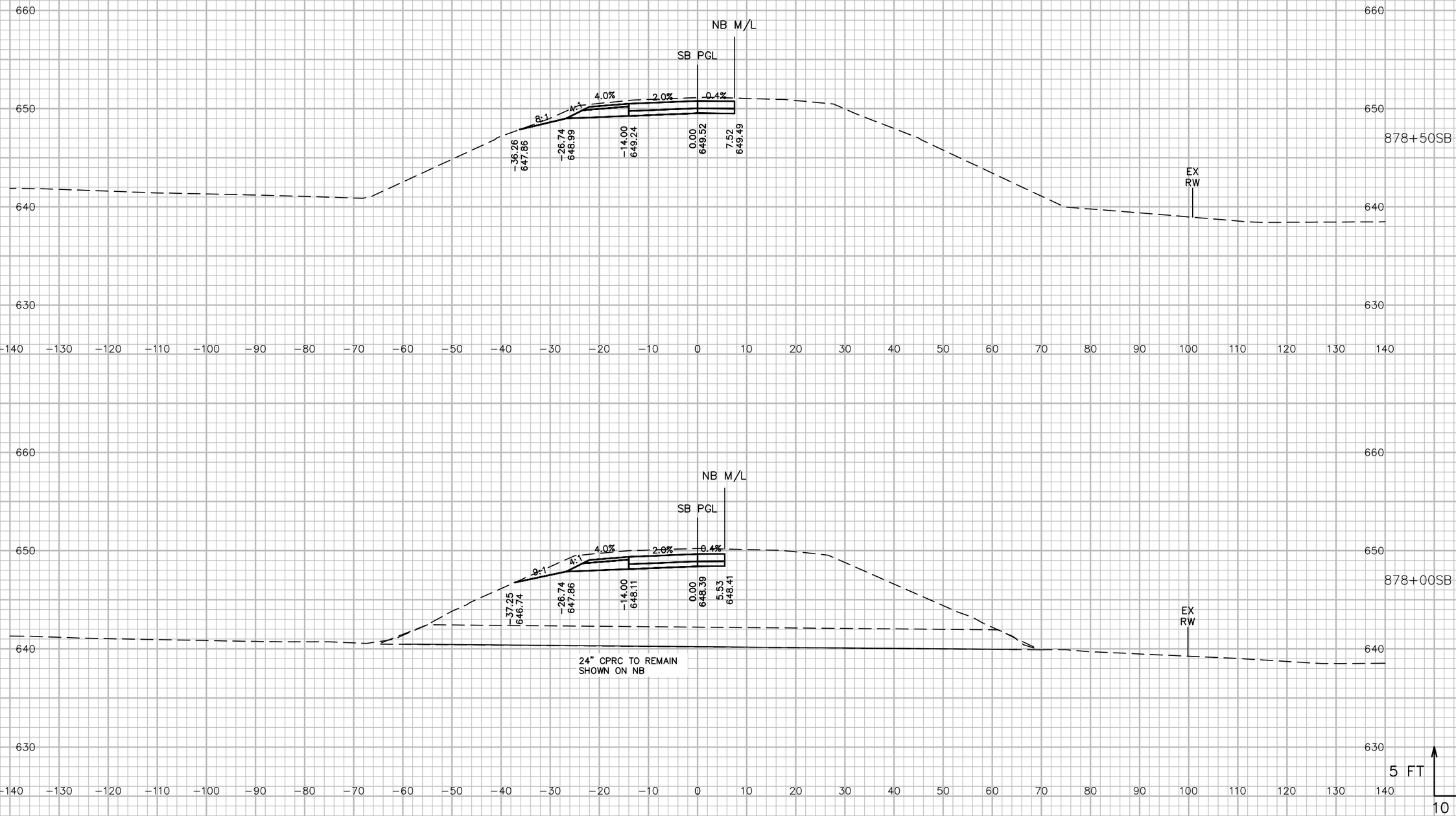
WISDOT/CADDS SHEET 49



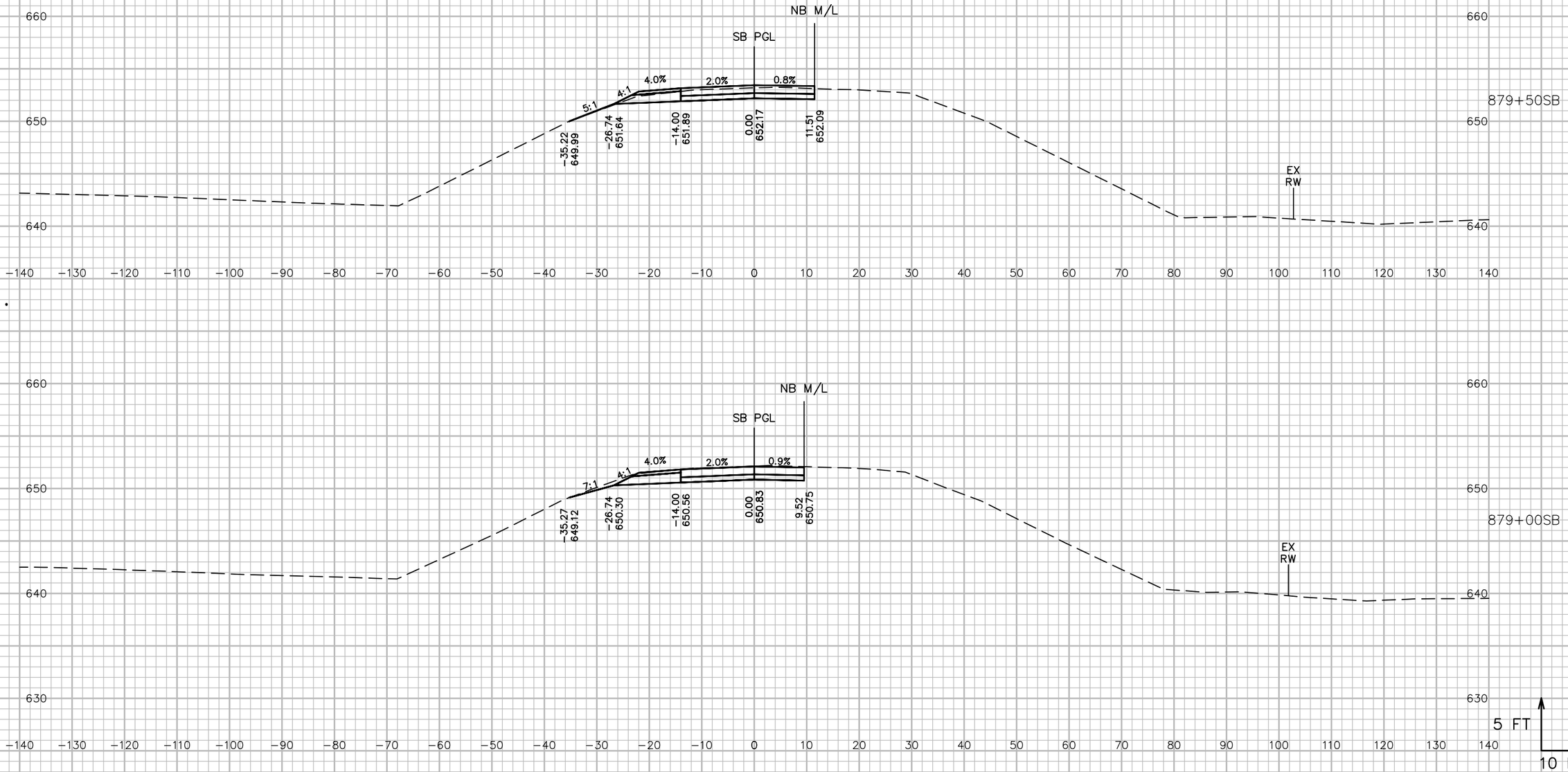
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 420	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

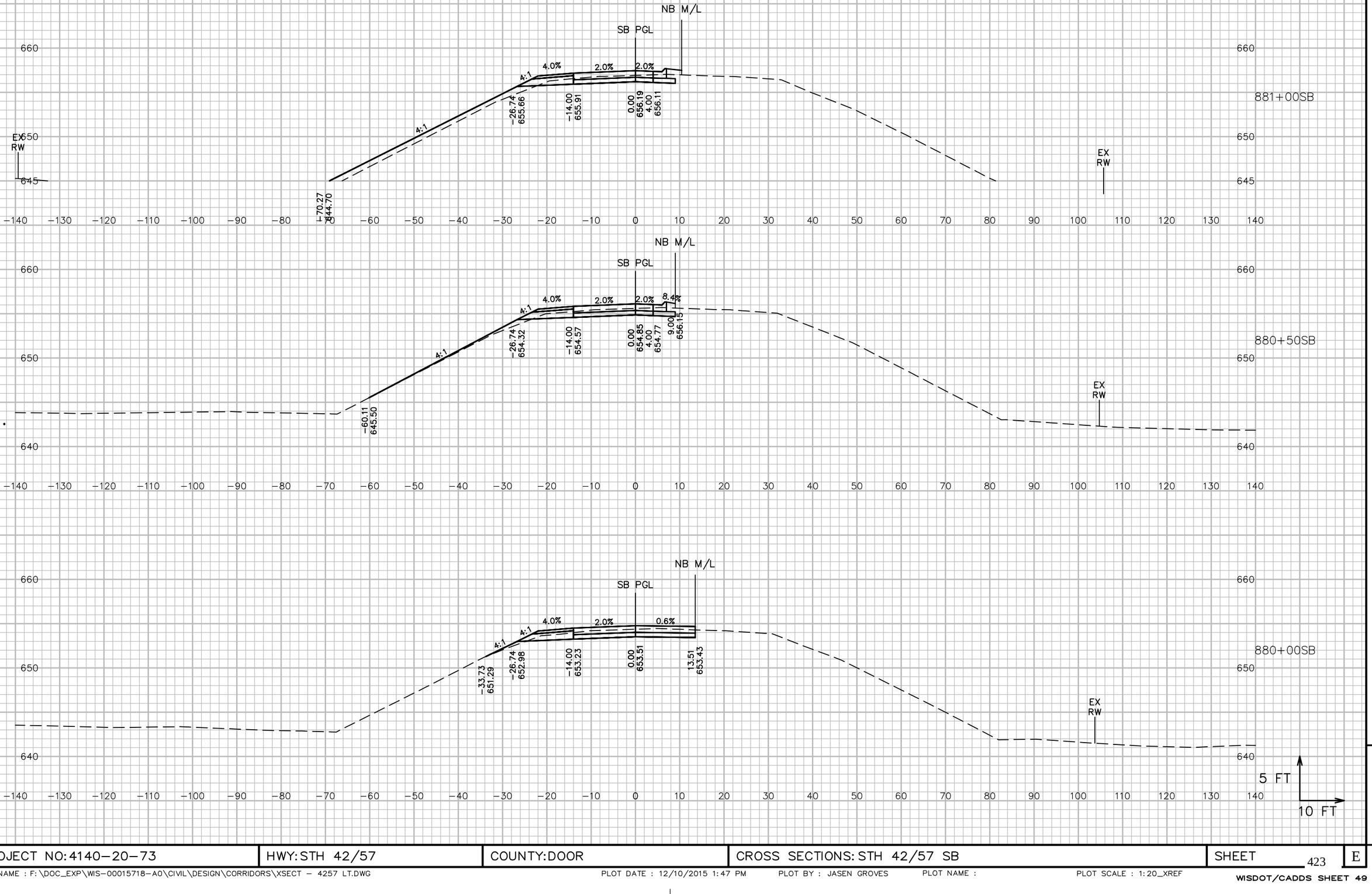


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 421	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 422	E

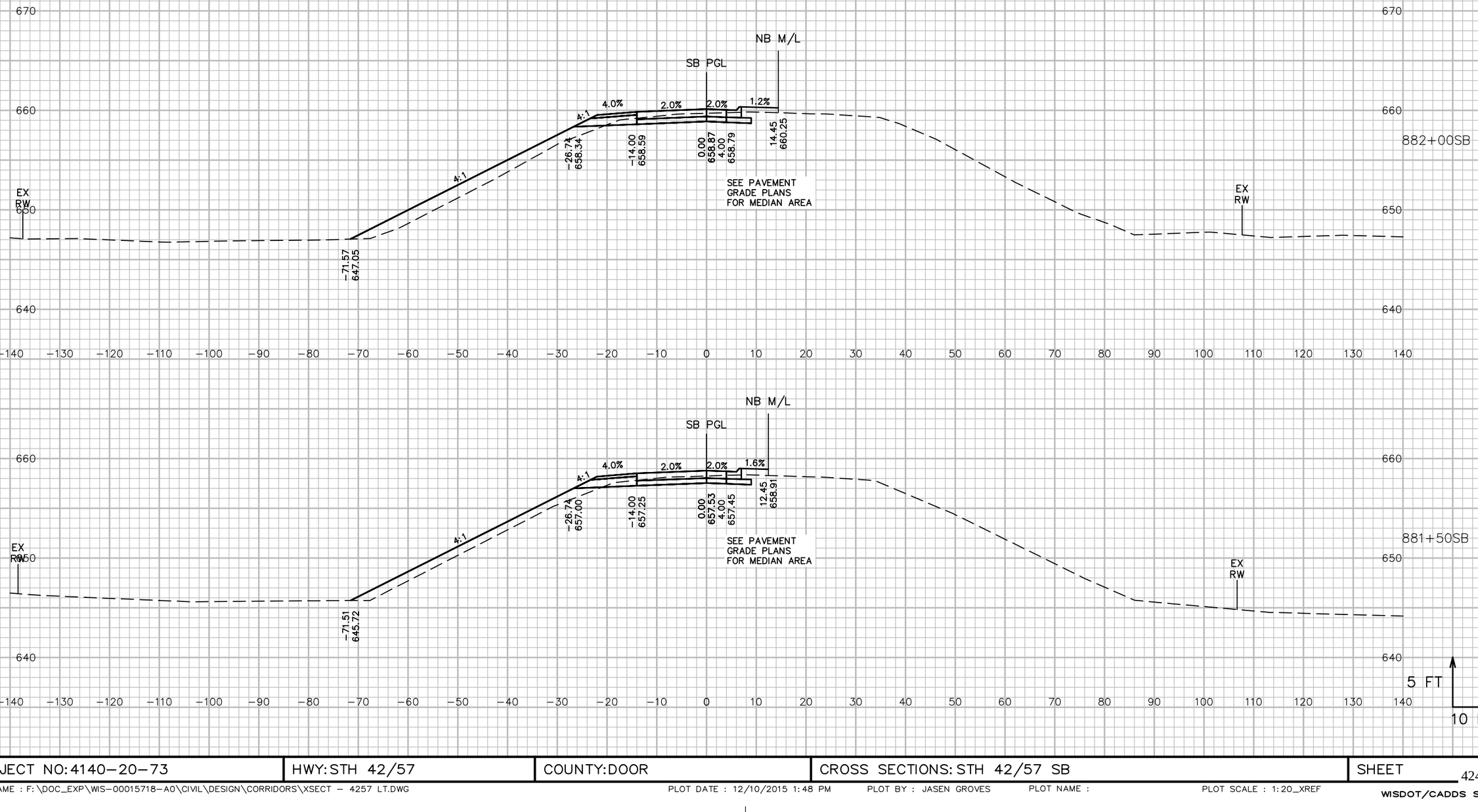
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG
PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 423	E

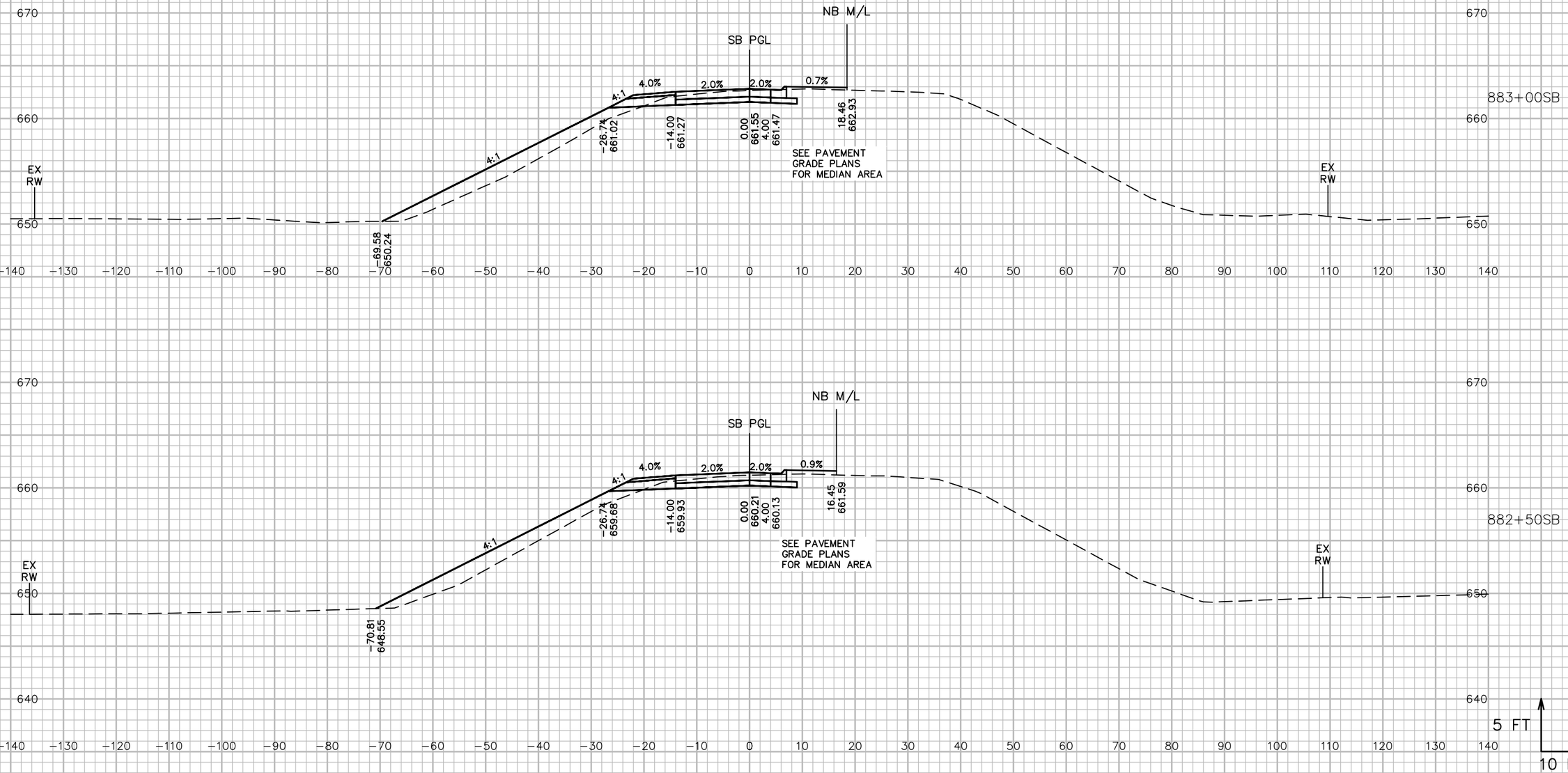
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:47 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

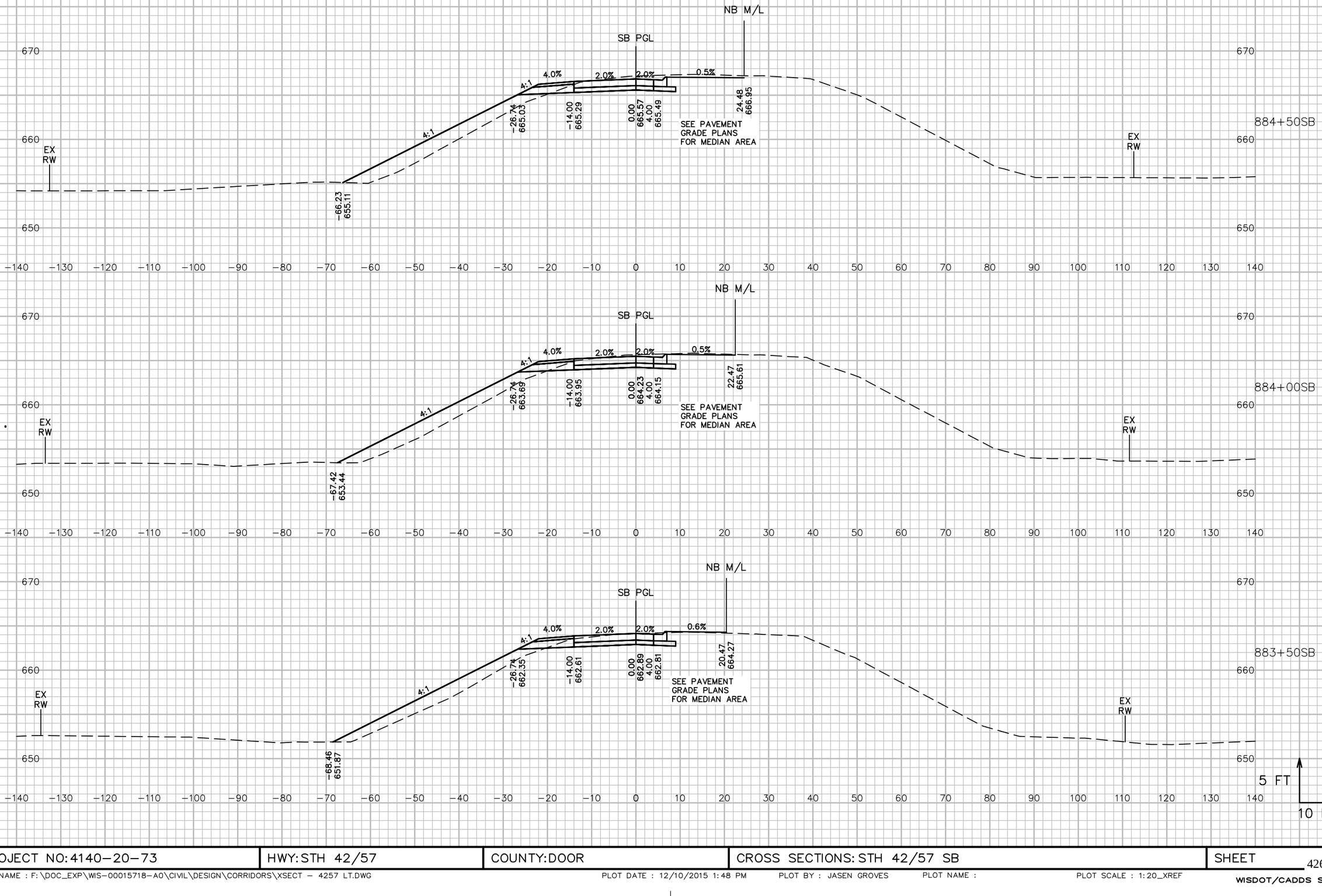


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 424	E

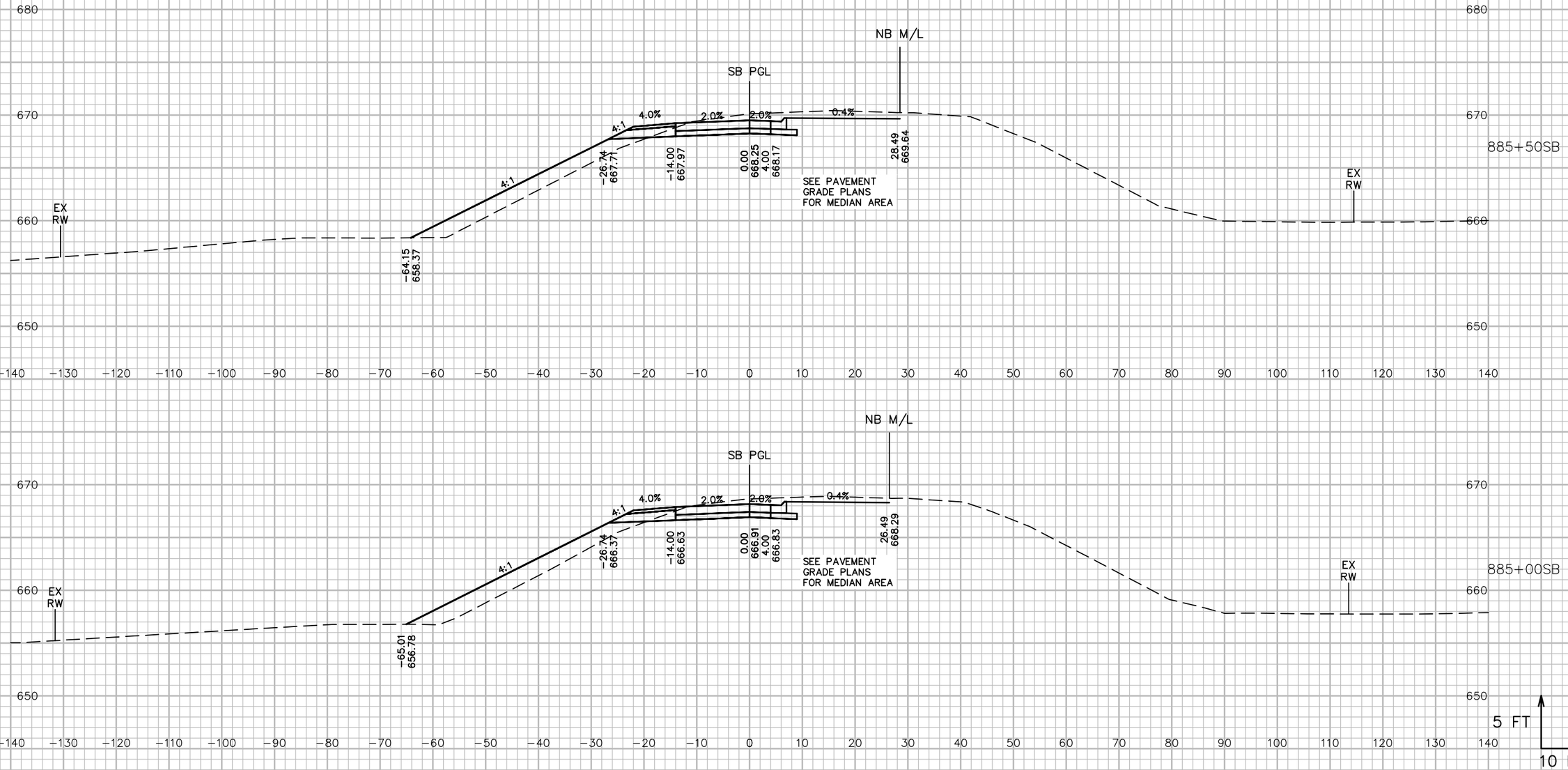
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 425	E



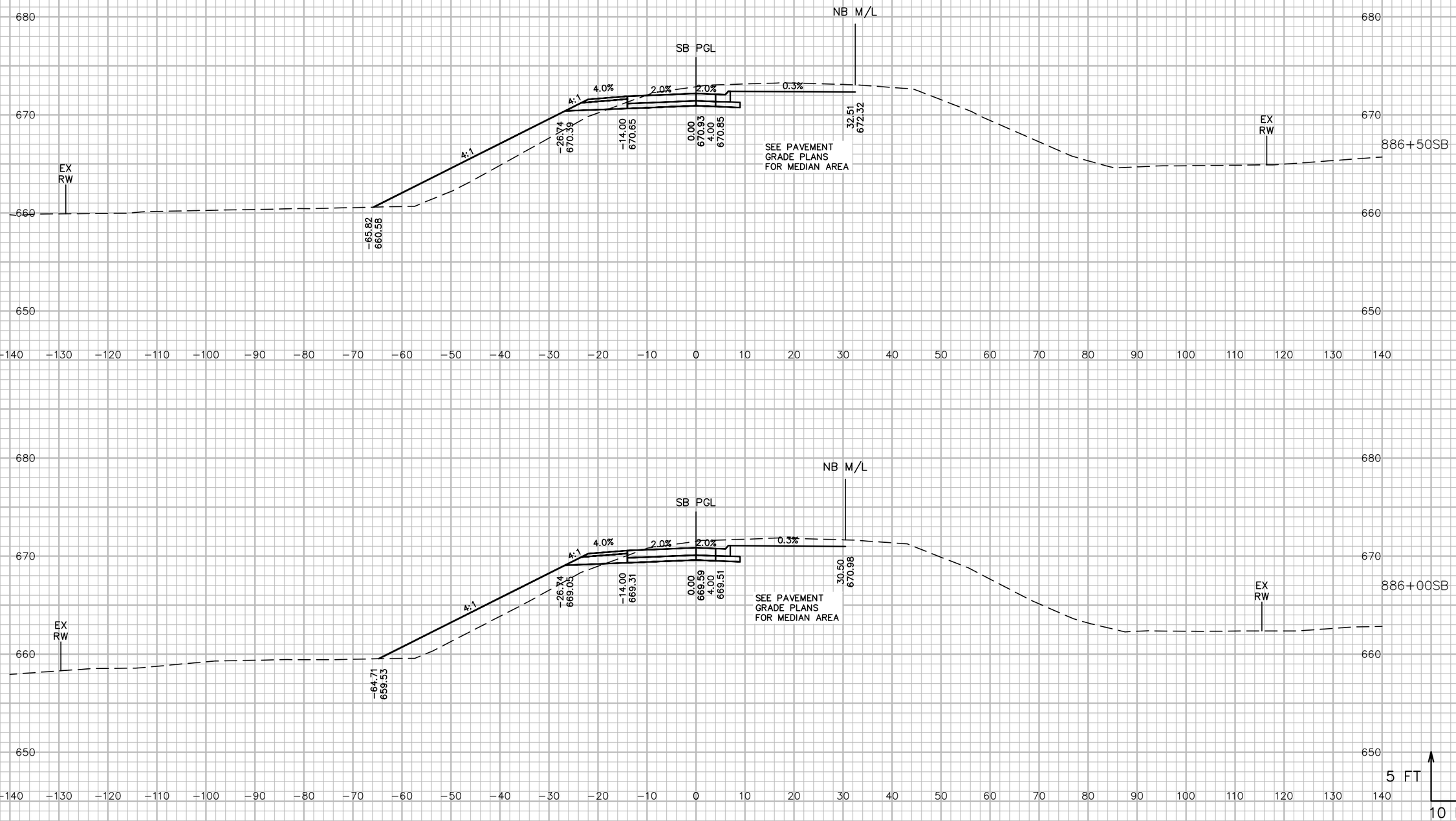
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 426	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 427	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

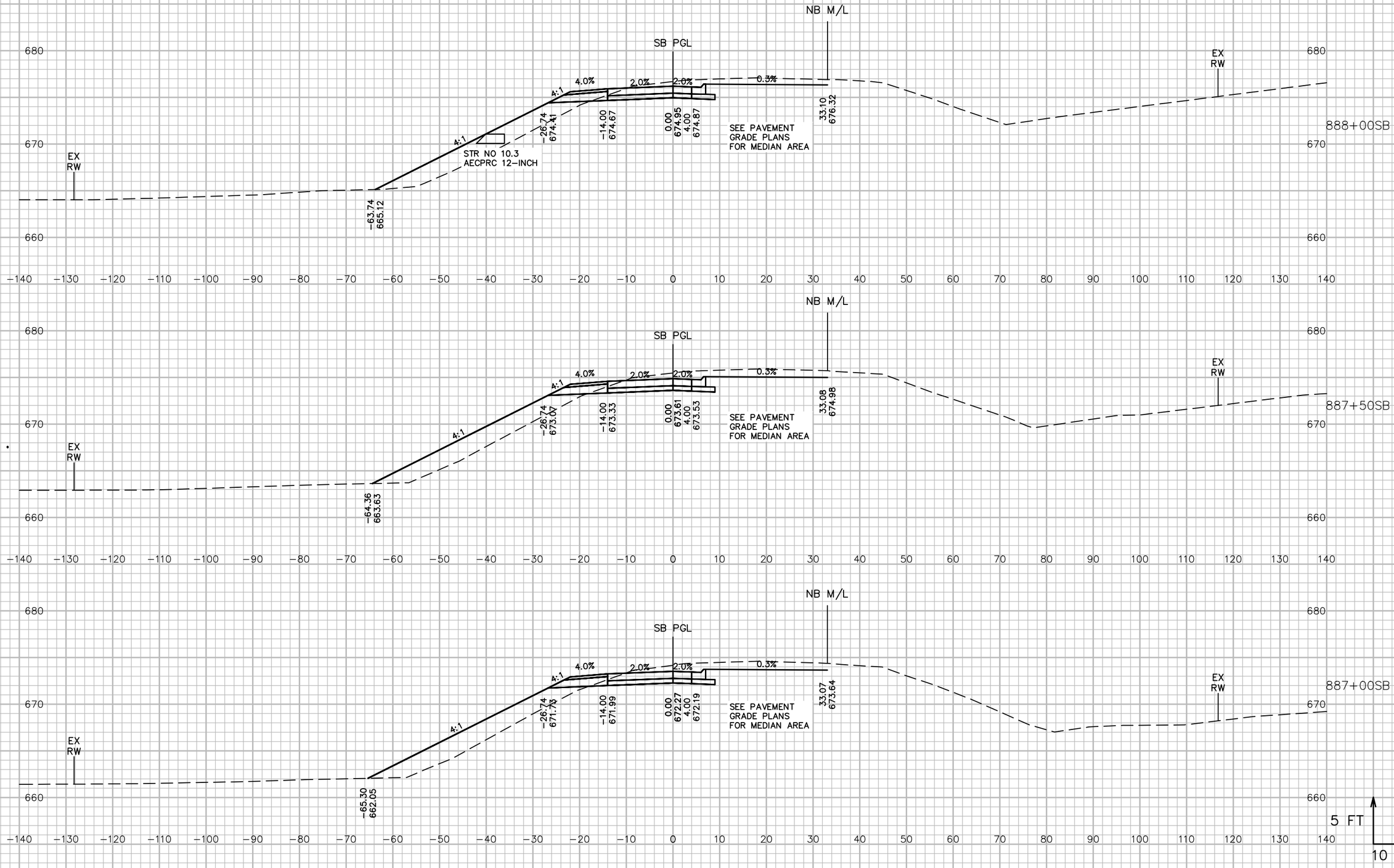
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 428	E

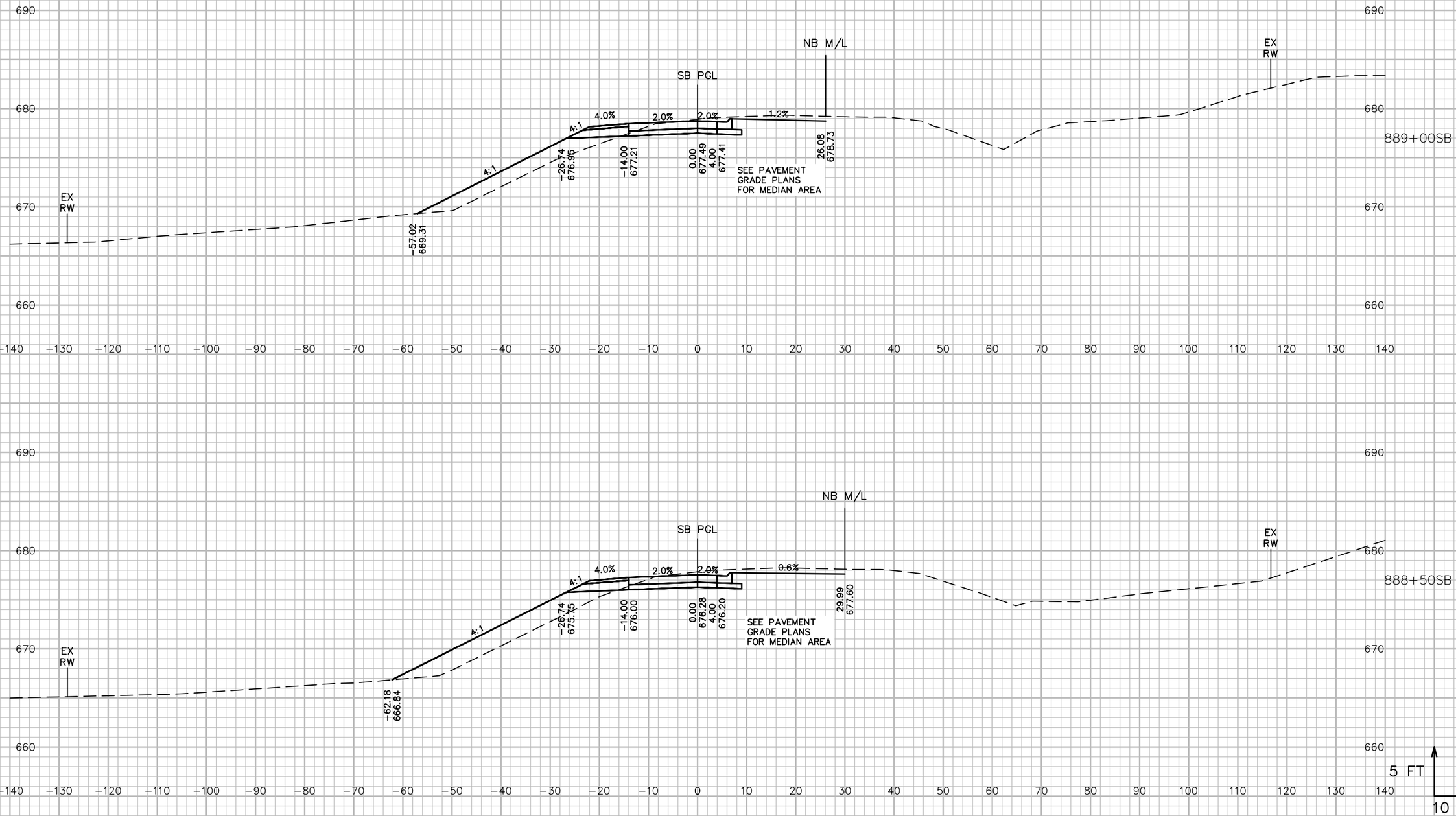
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9 9

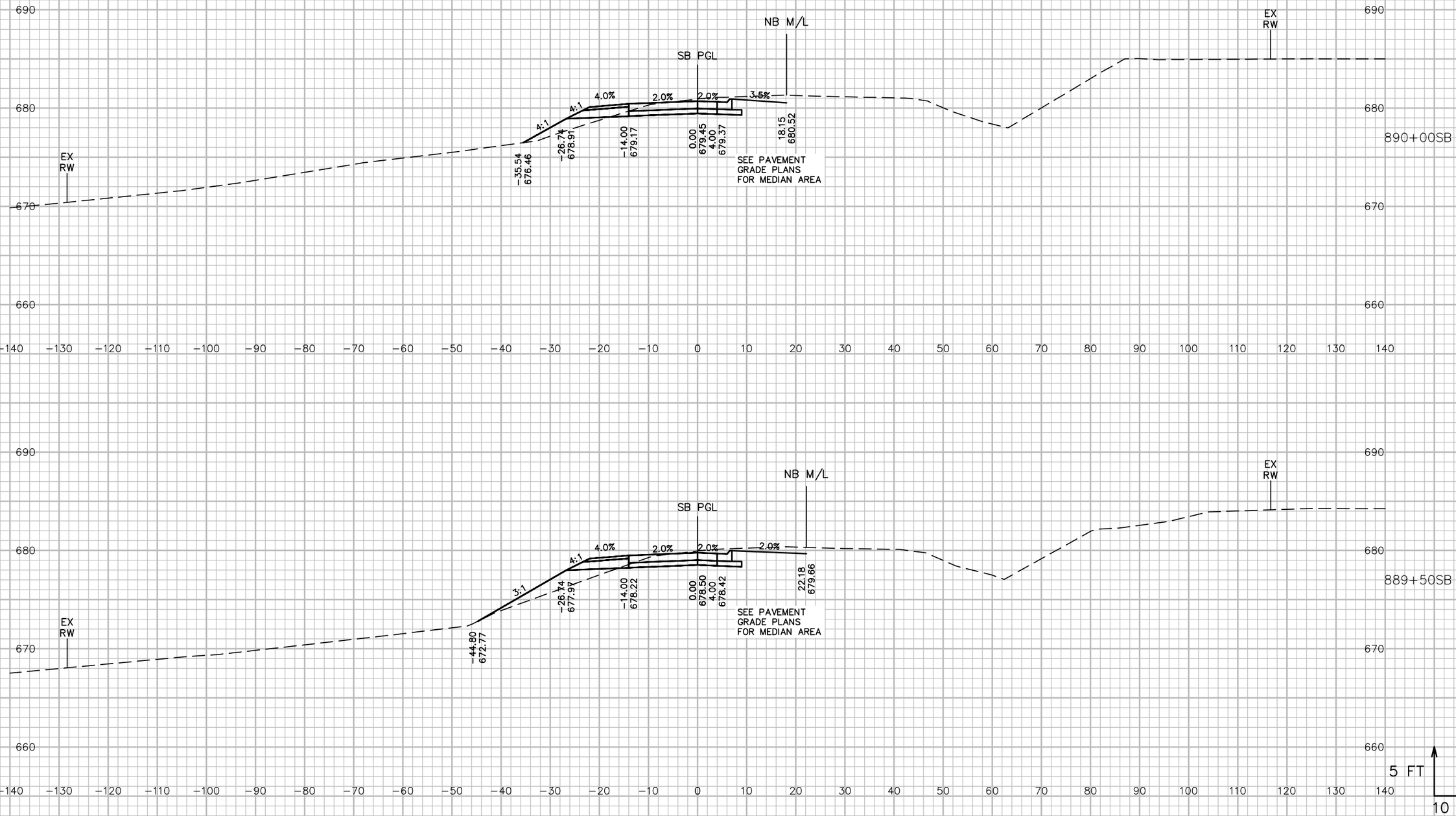
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 429	E



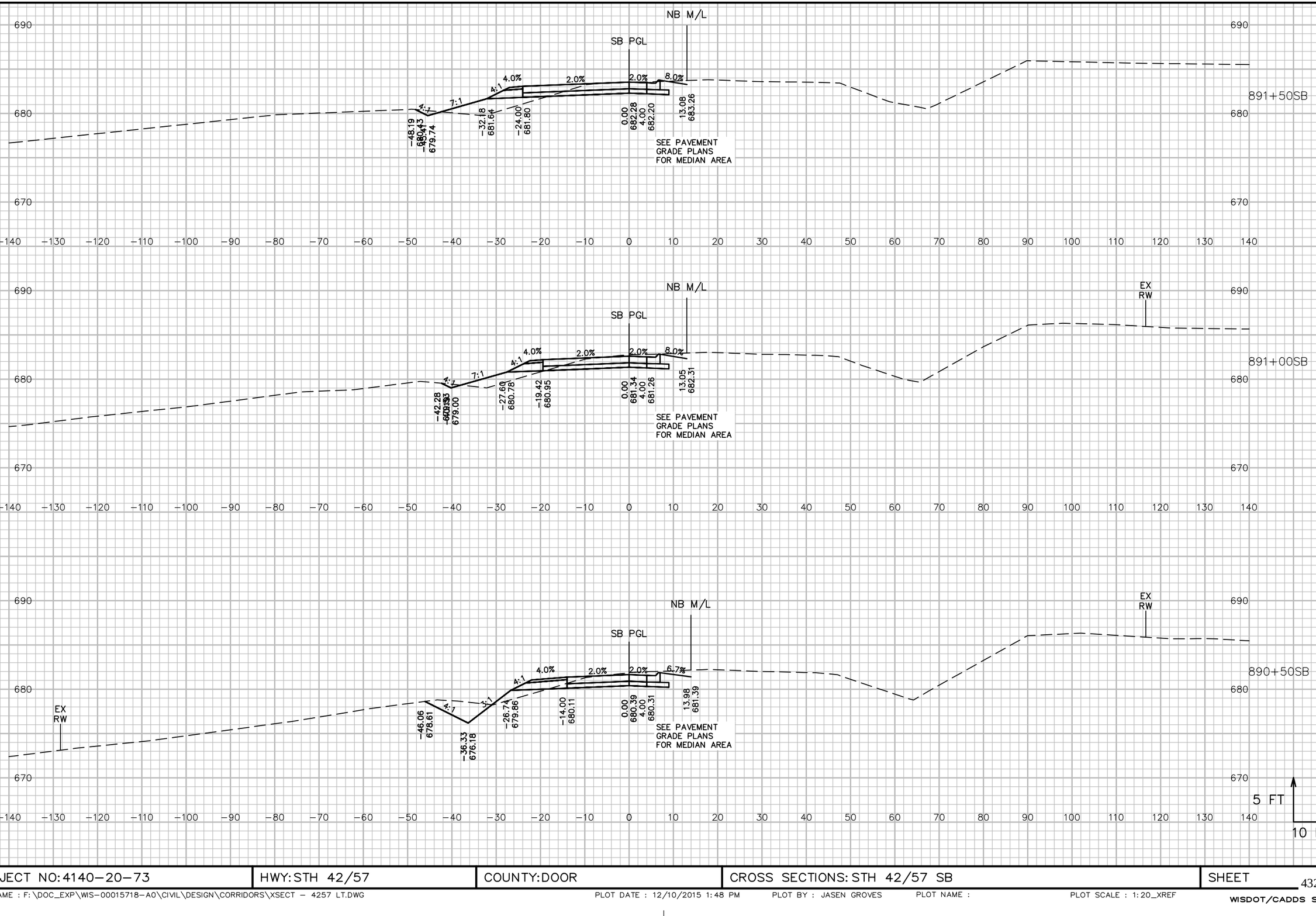
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 430	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

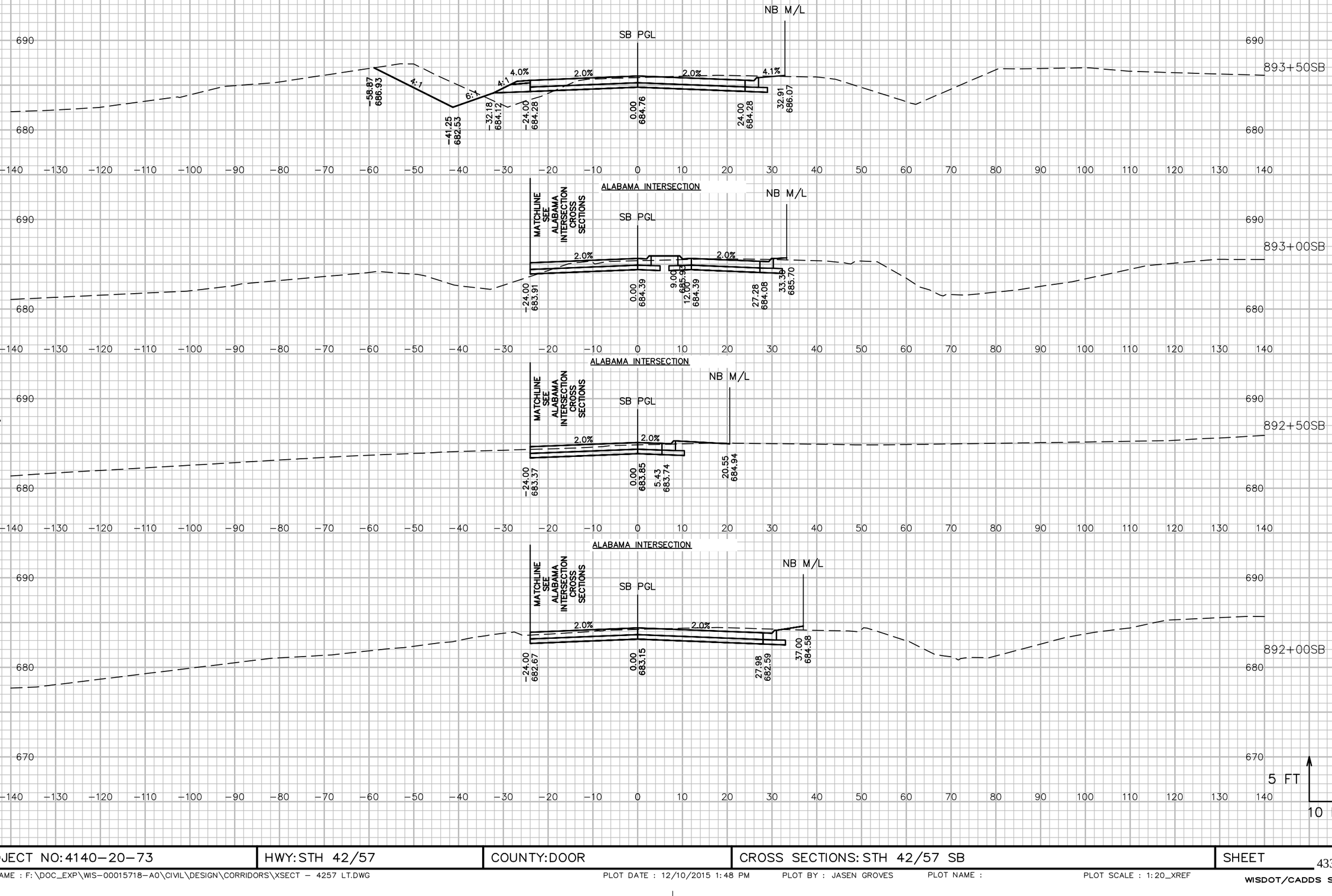


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 431	E



9 9

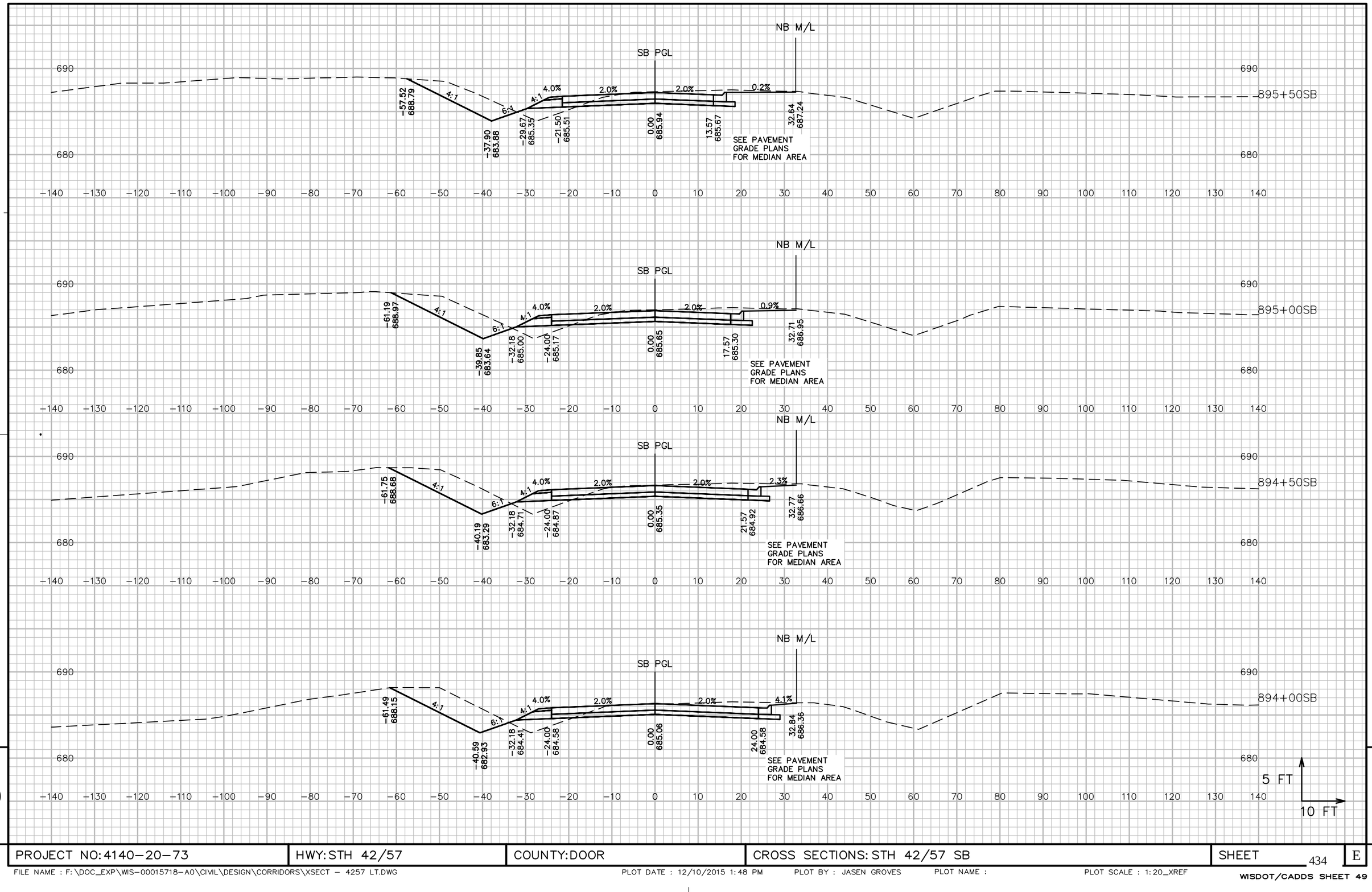
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 432	E



9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 433	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



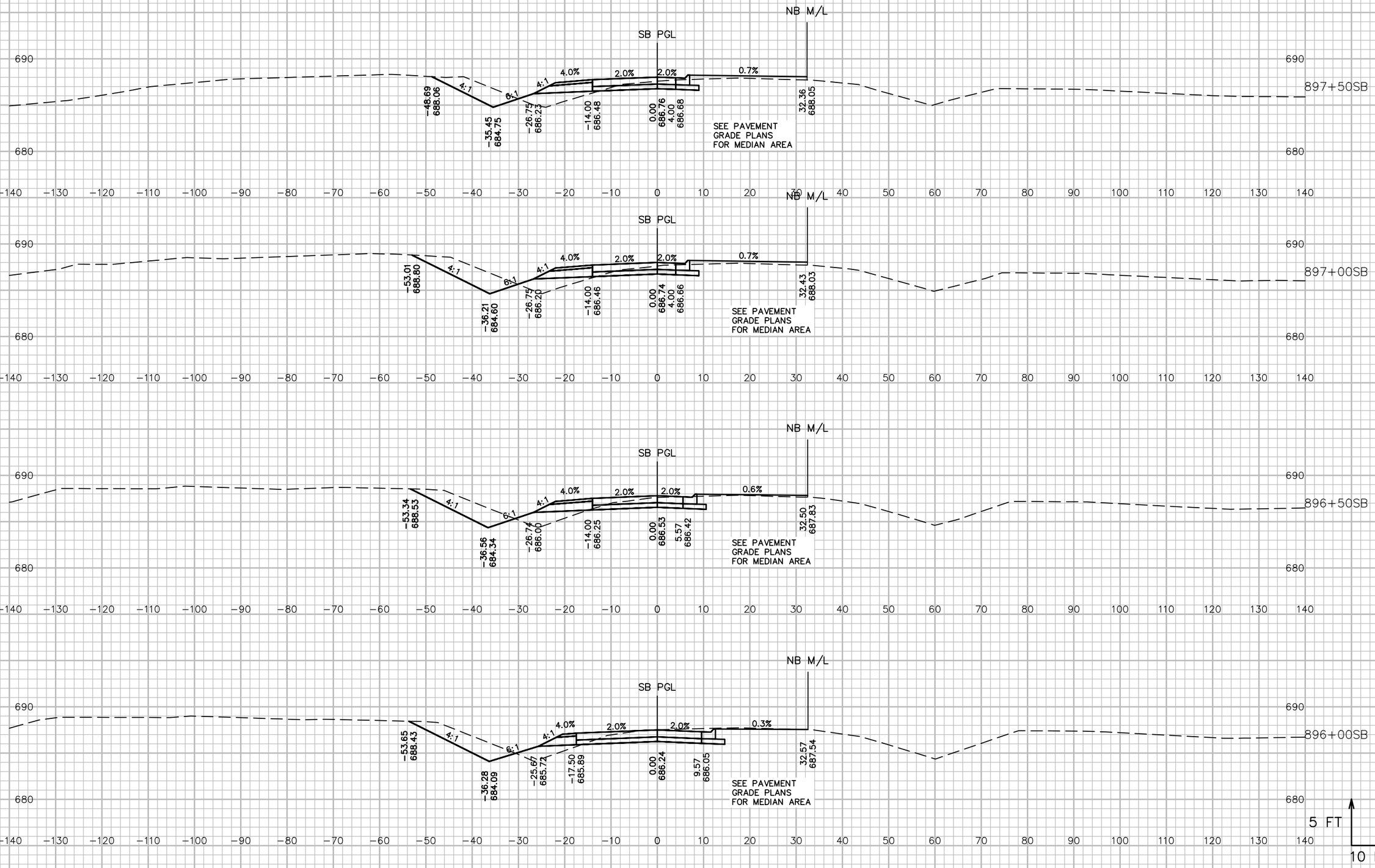
9

9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 434	E

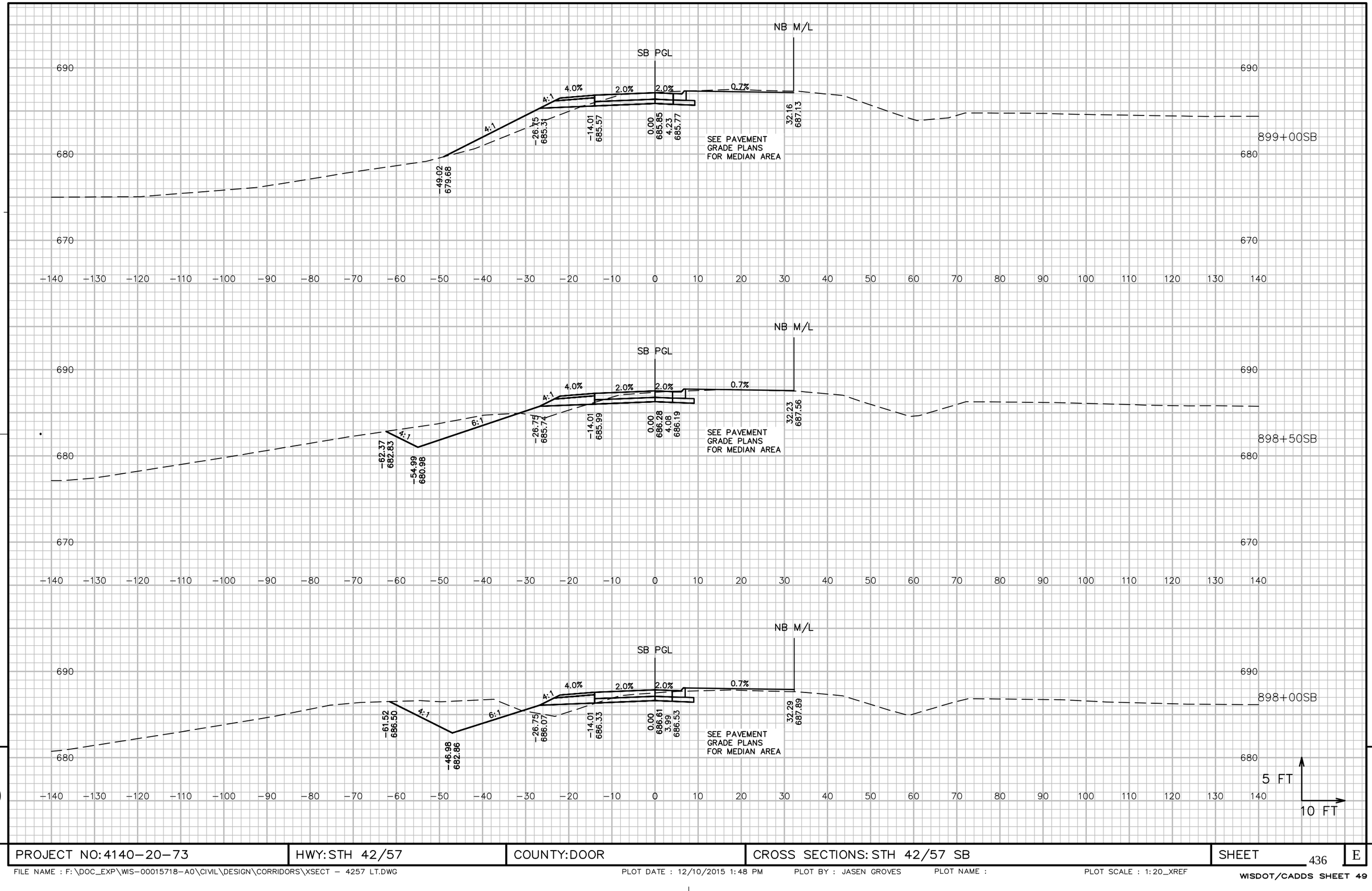
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 435	E



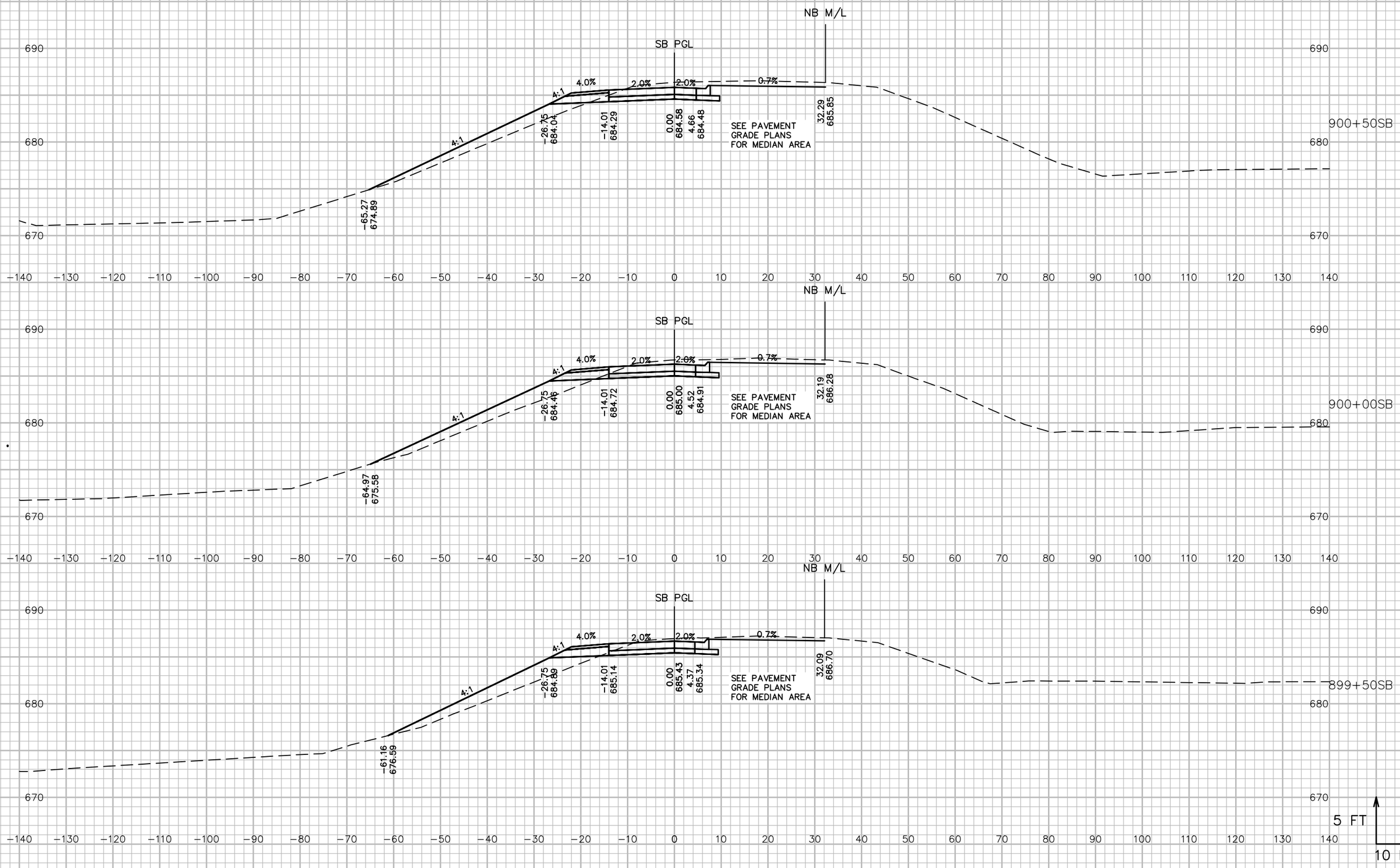
9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 436	E

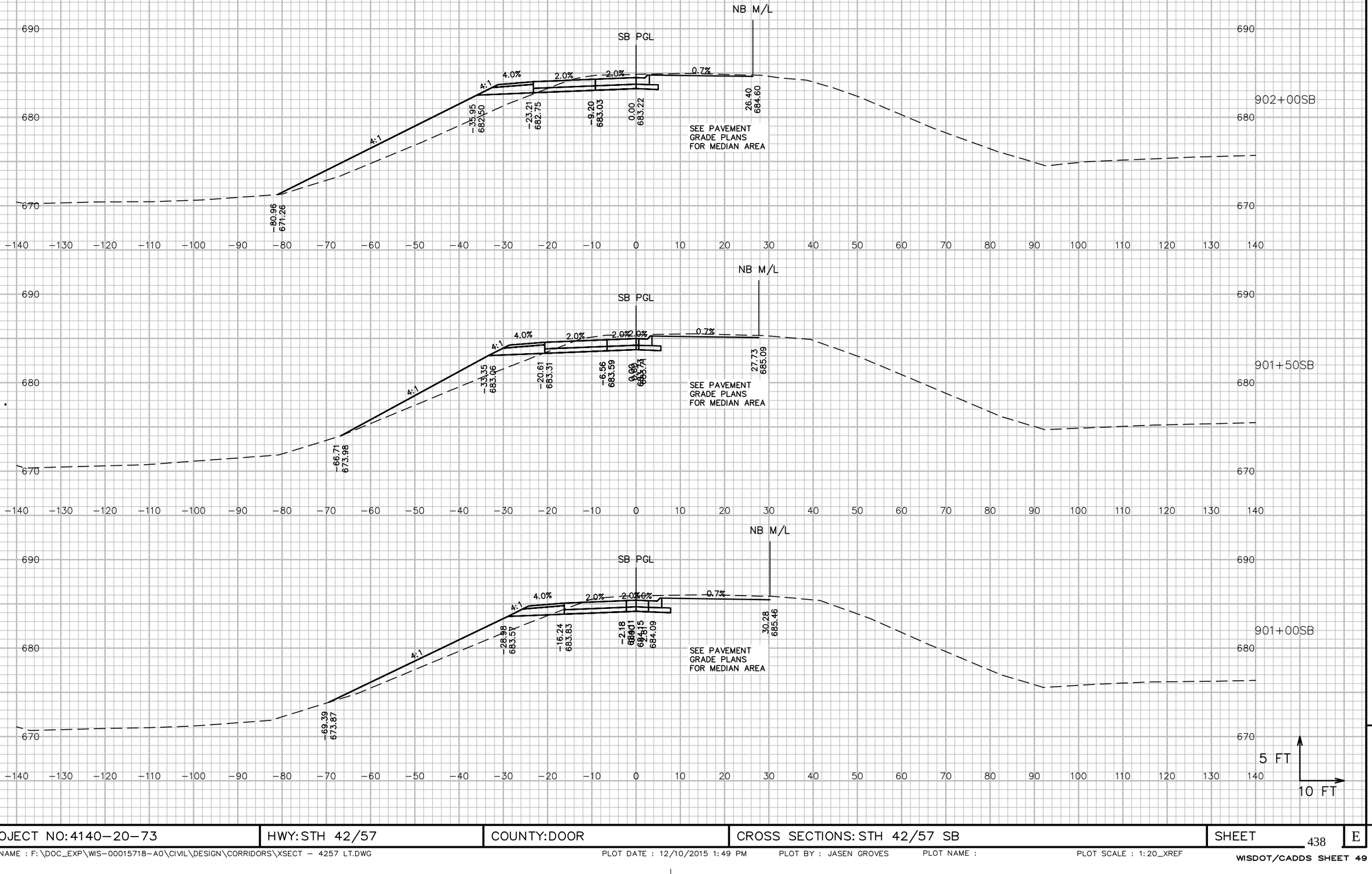
9

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:48 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

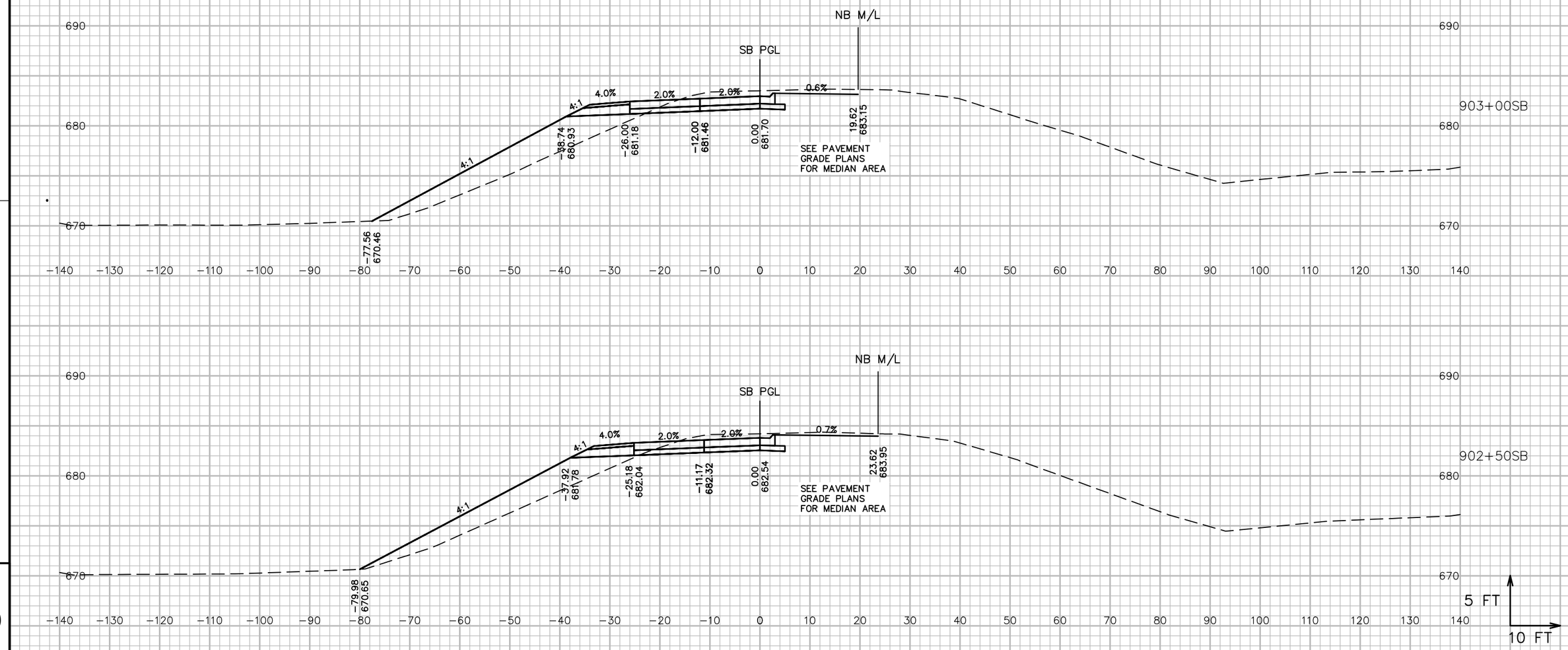
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 437	E



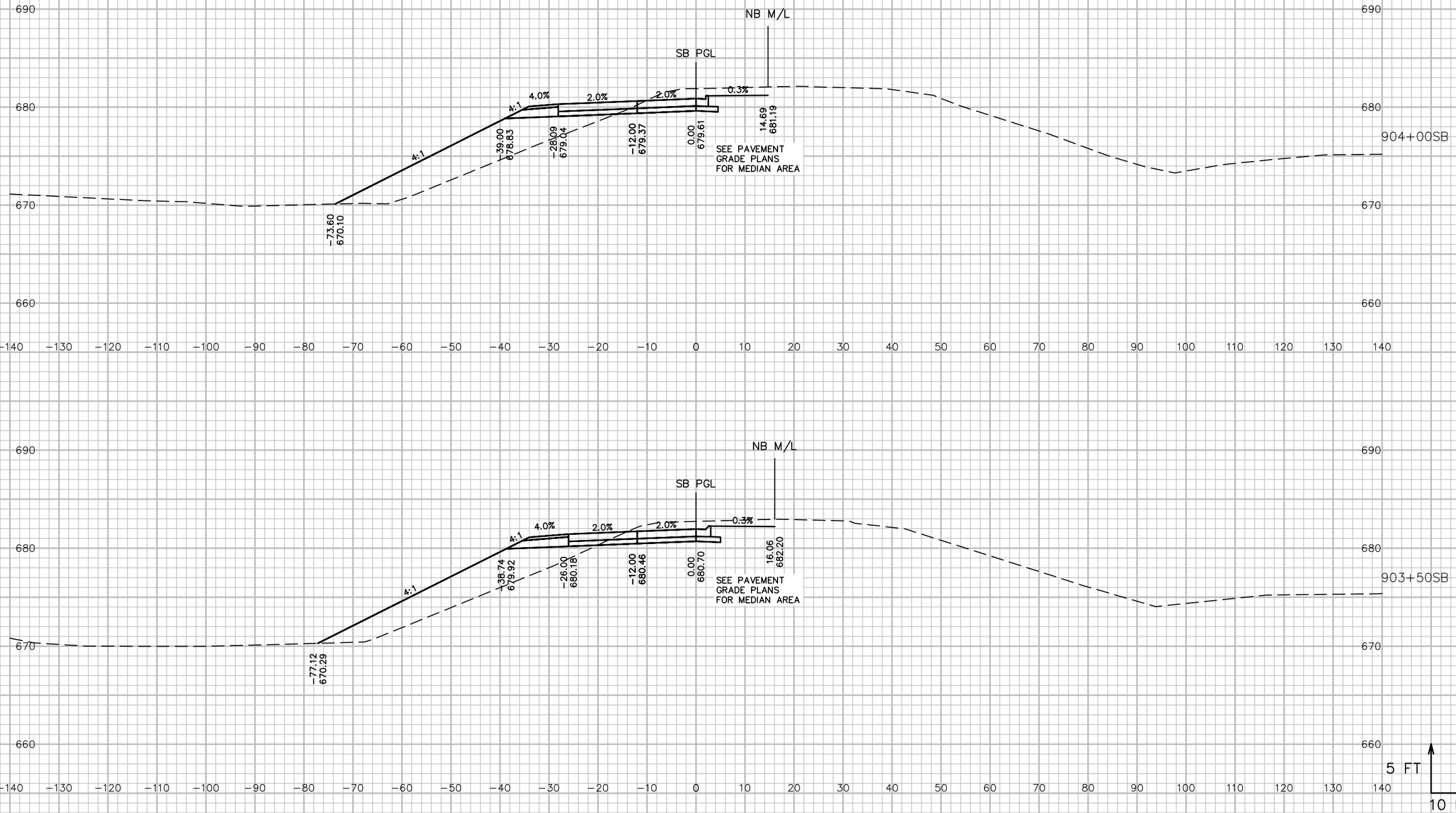
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 438	E



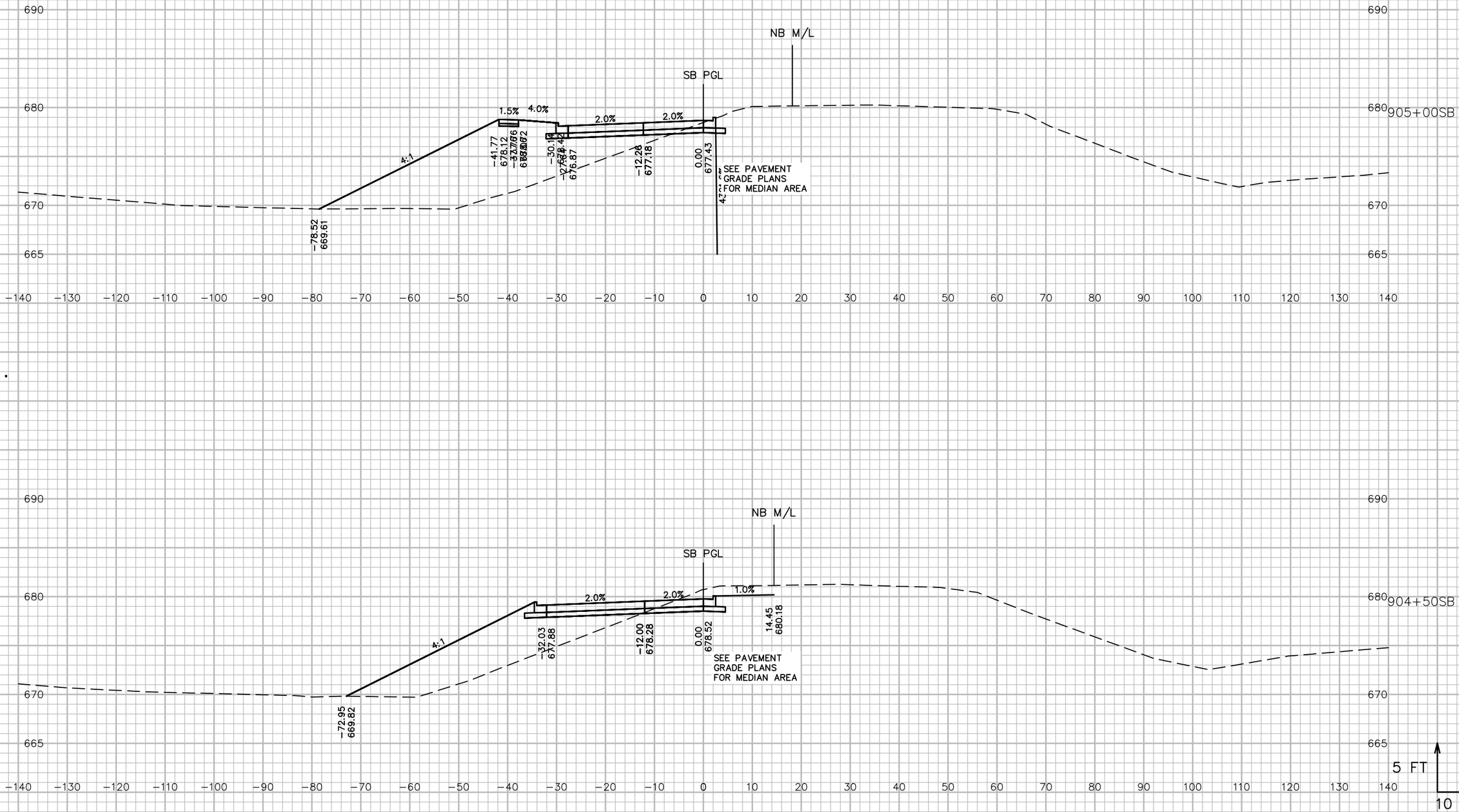
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 439	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

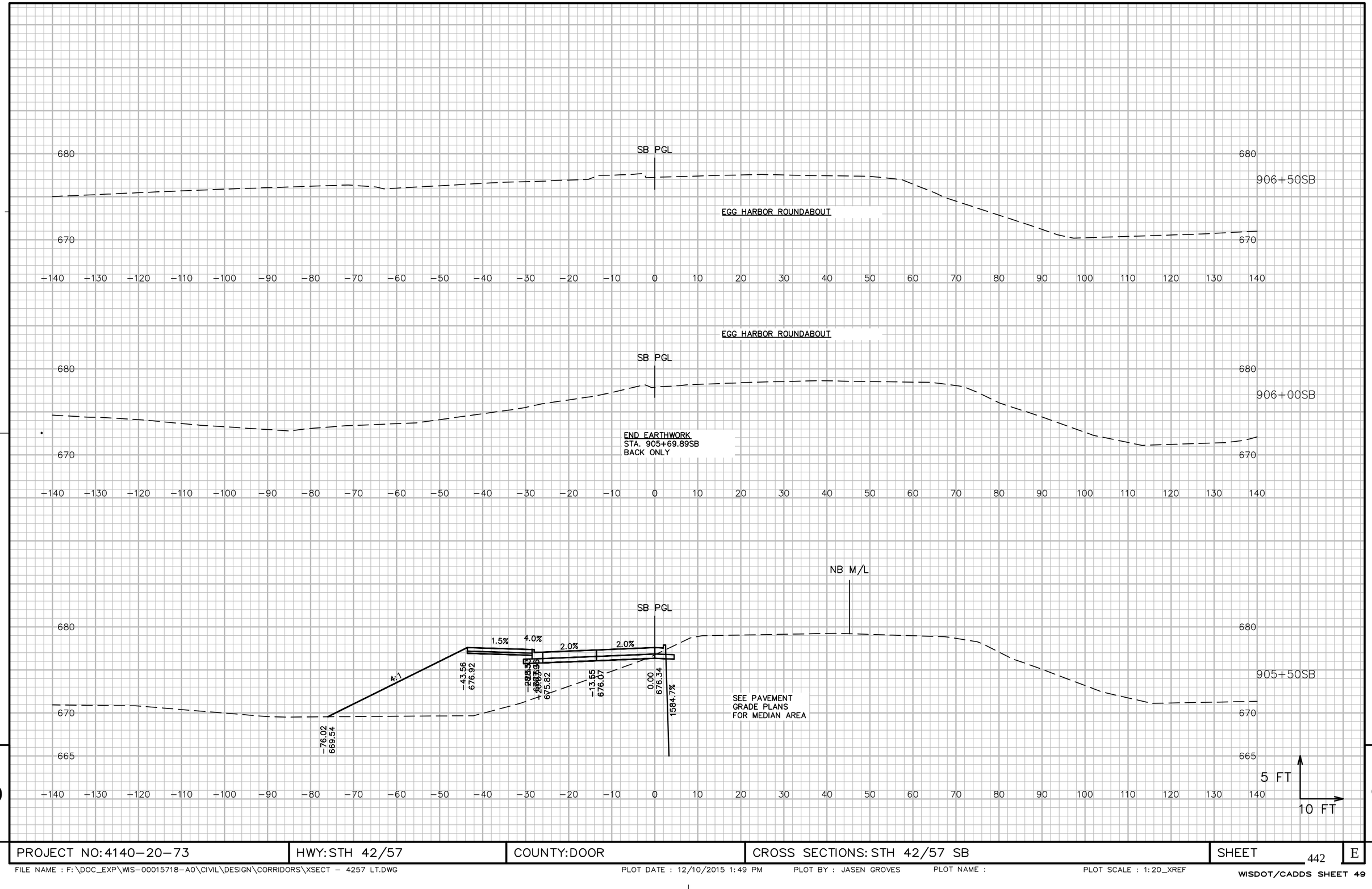
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 440	E



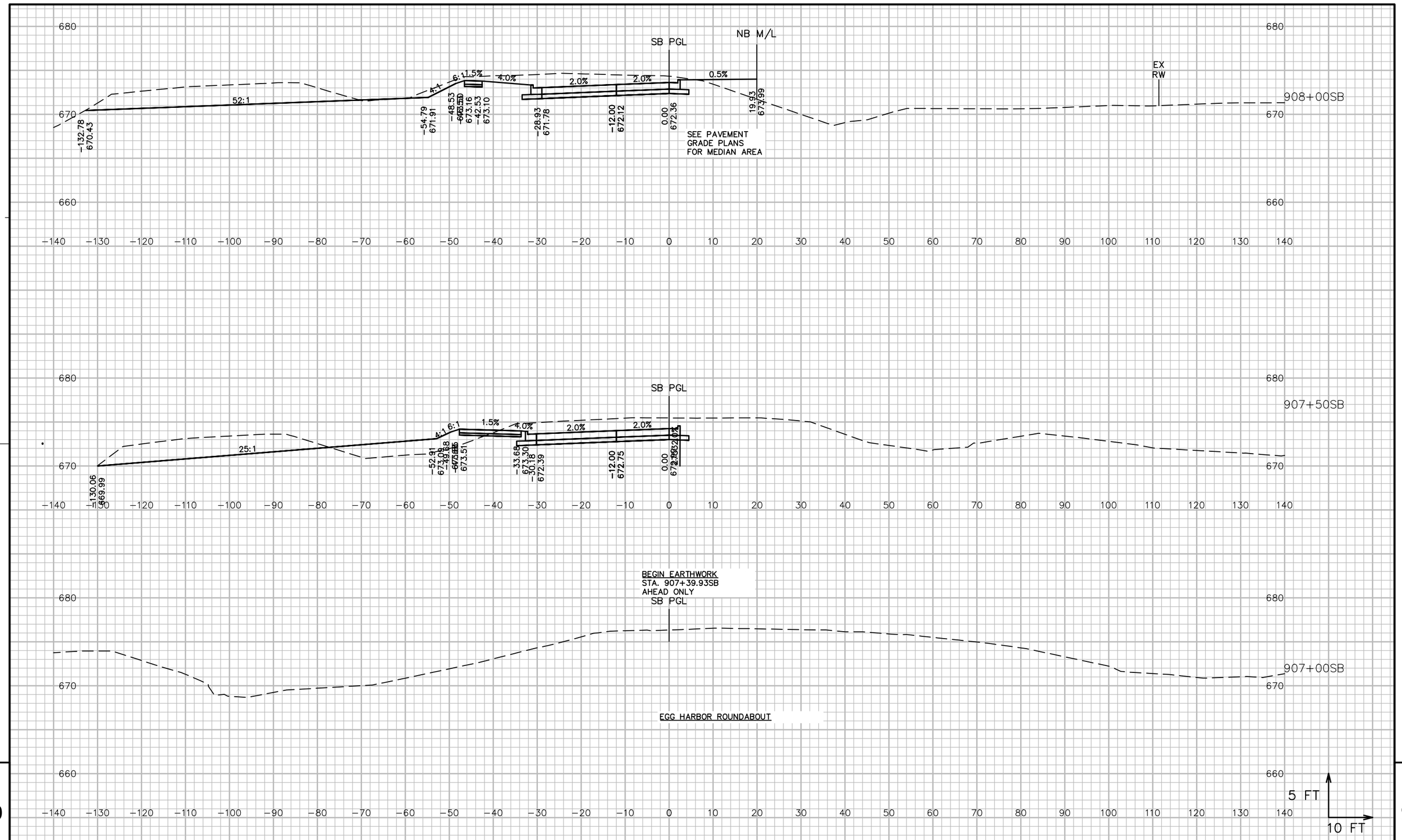
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 441	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 442	E

FILE NAME : F:\DOC_EXP\WIS−00015718−A0\CIVIL\DESIGN\CORRIDORS\XSECT − 4257 LT.DWG PLOT DATE : 12/10/2015 1:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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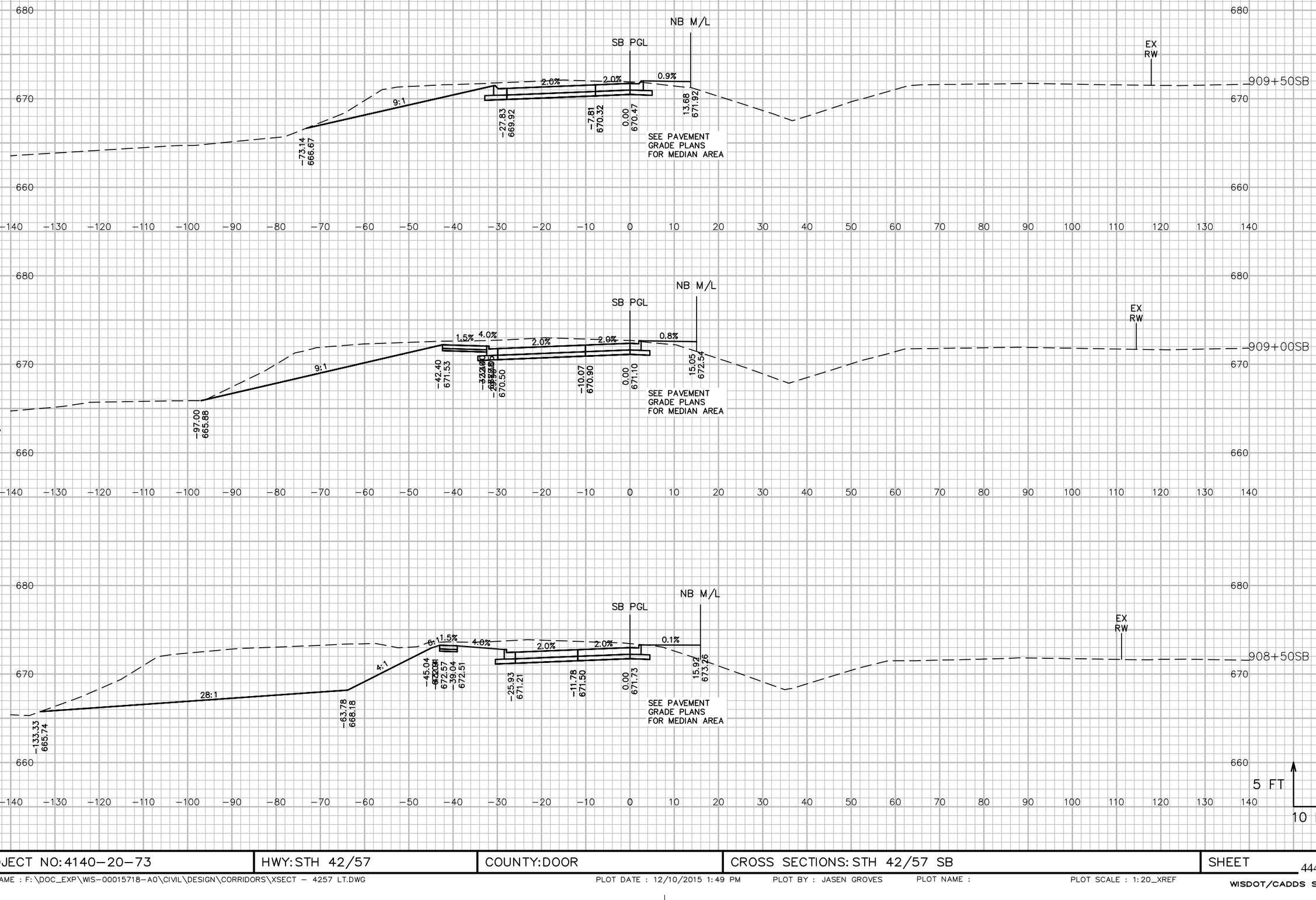
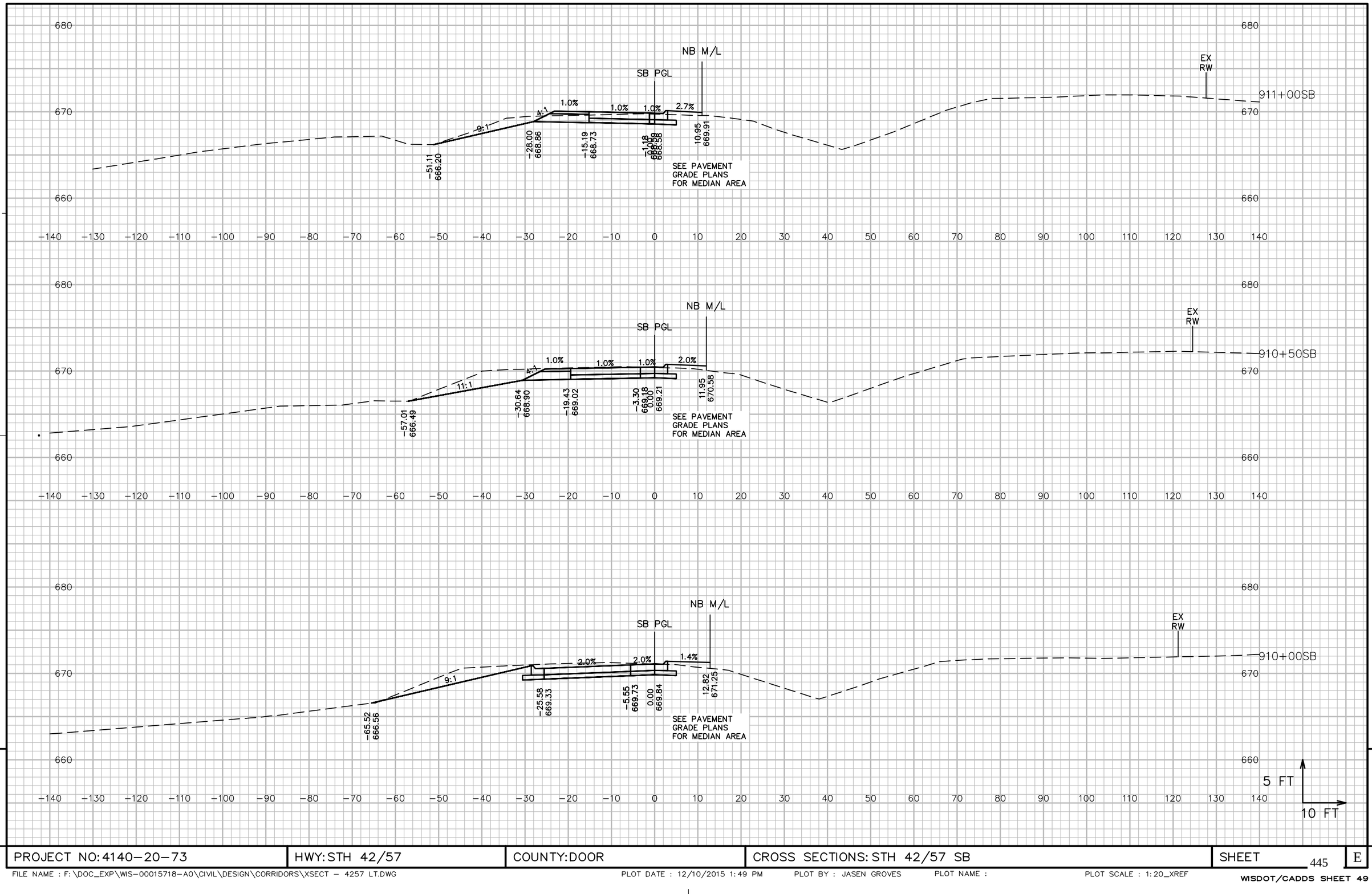
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 443	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - 4257 LT.DWG PLOT DATE : 12/10/2015 1:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 444	E



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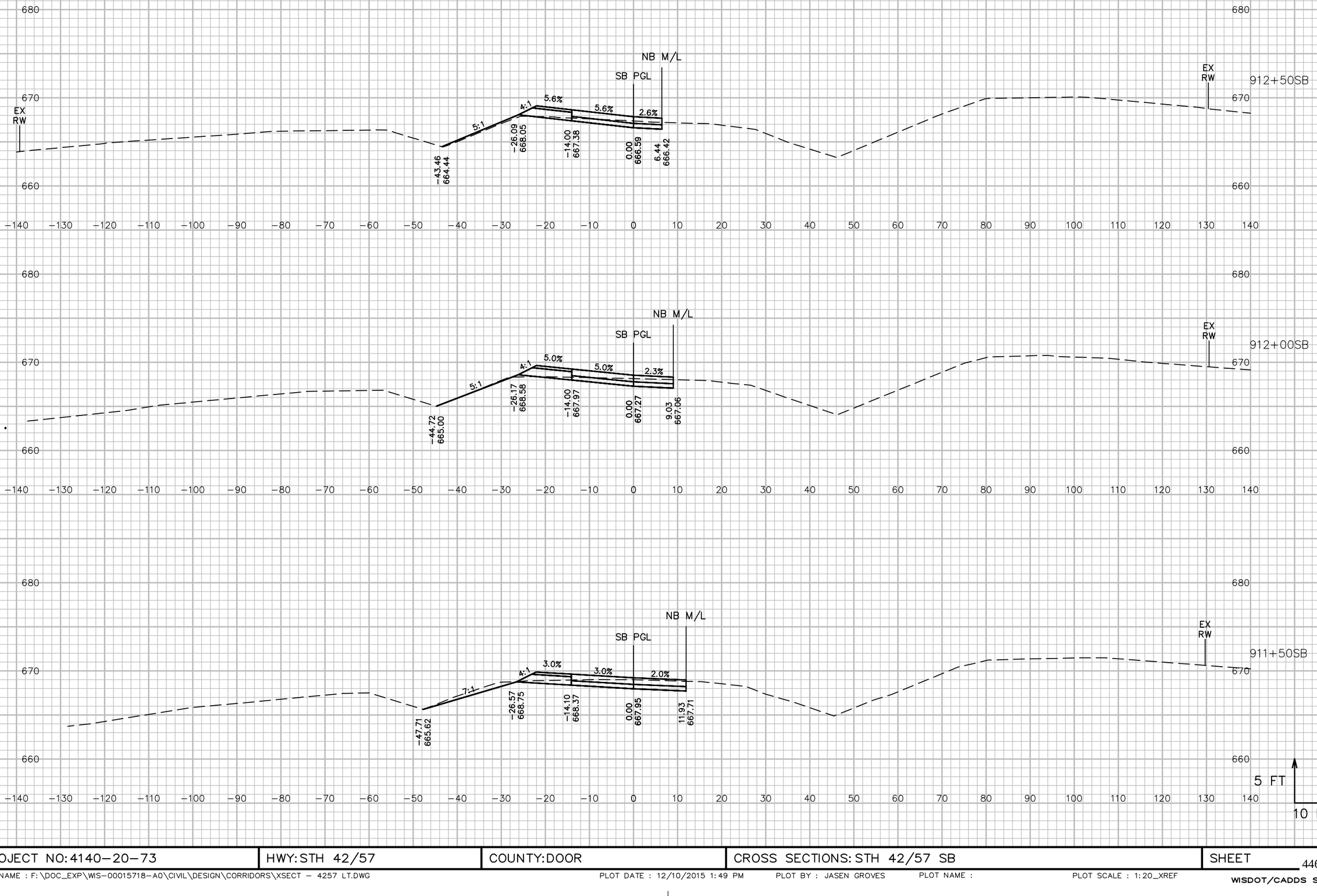
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 445	E



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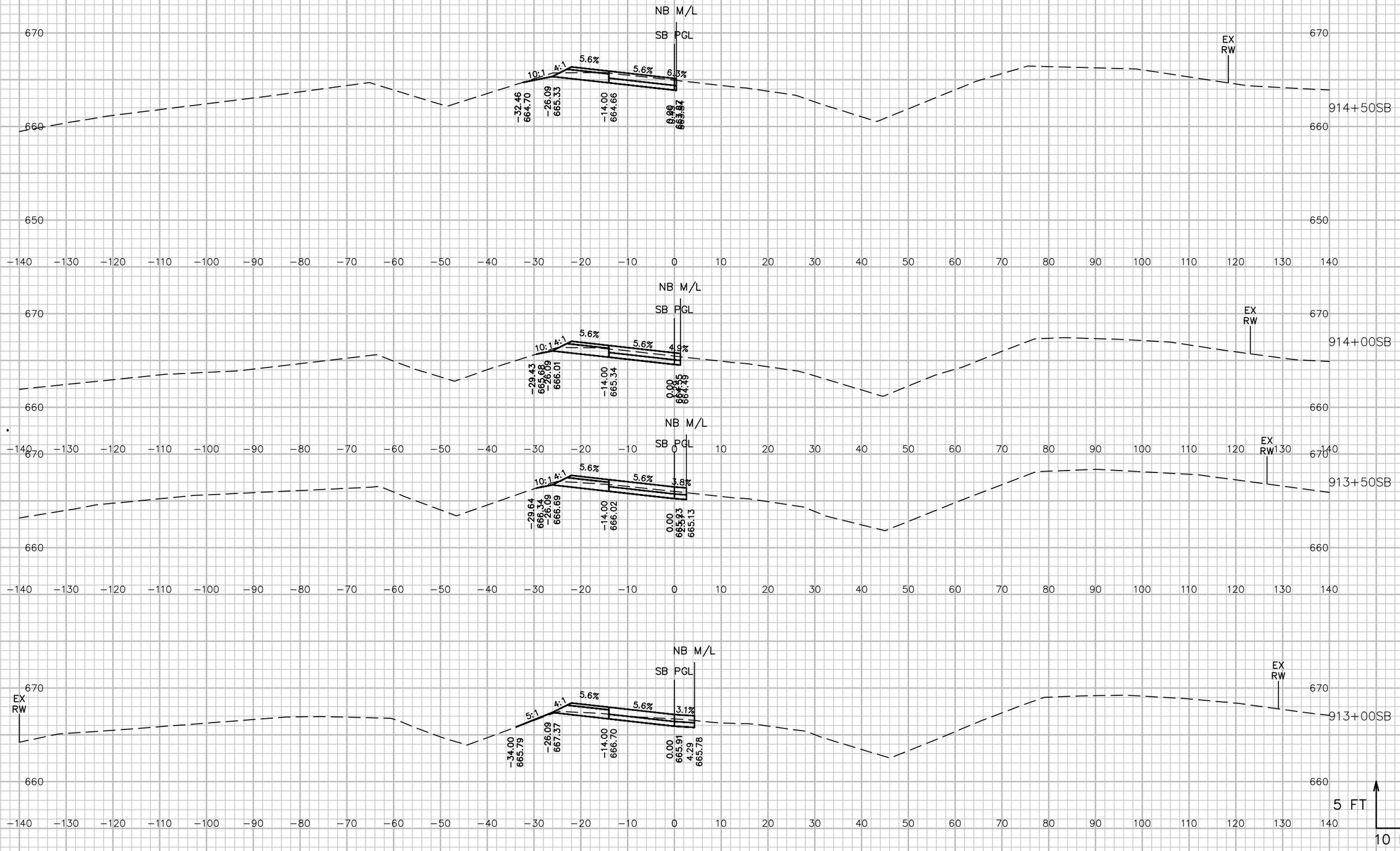
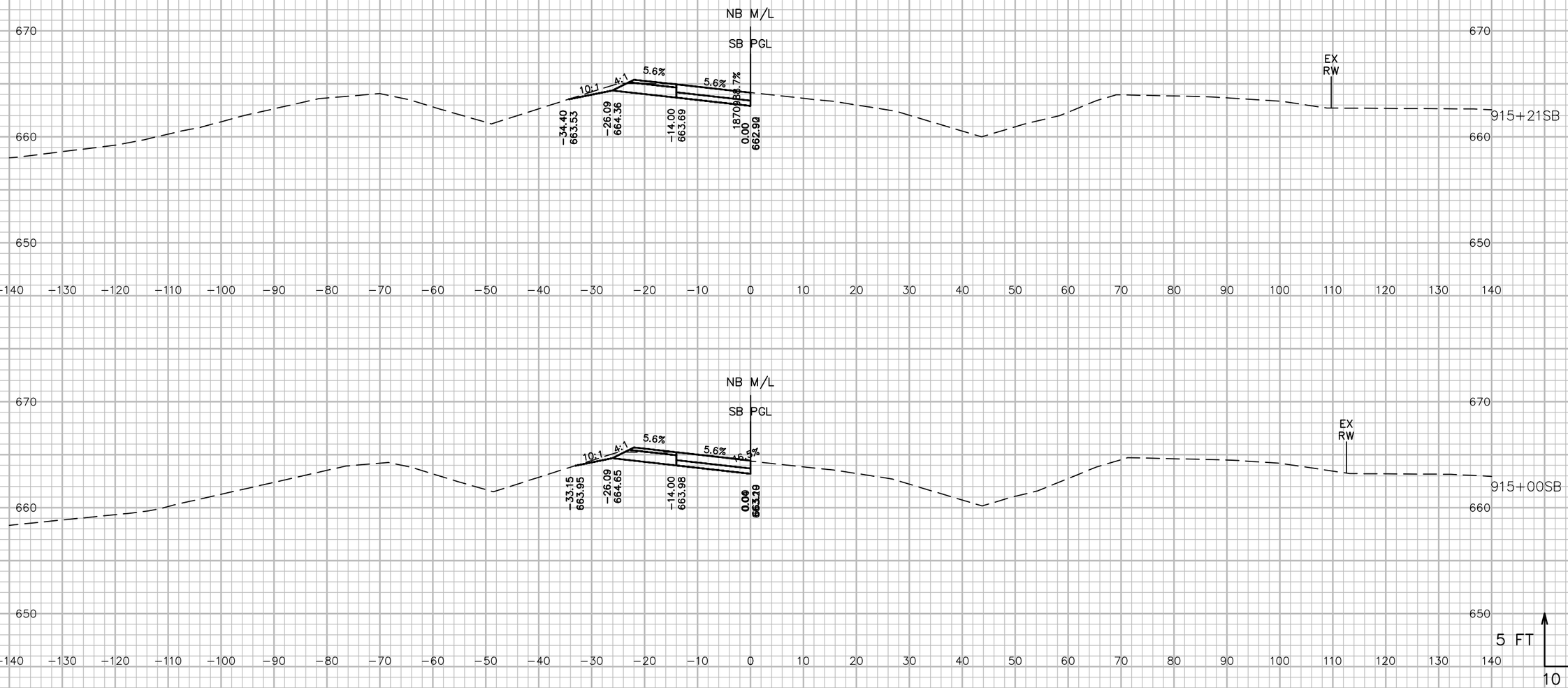
9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 446	E



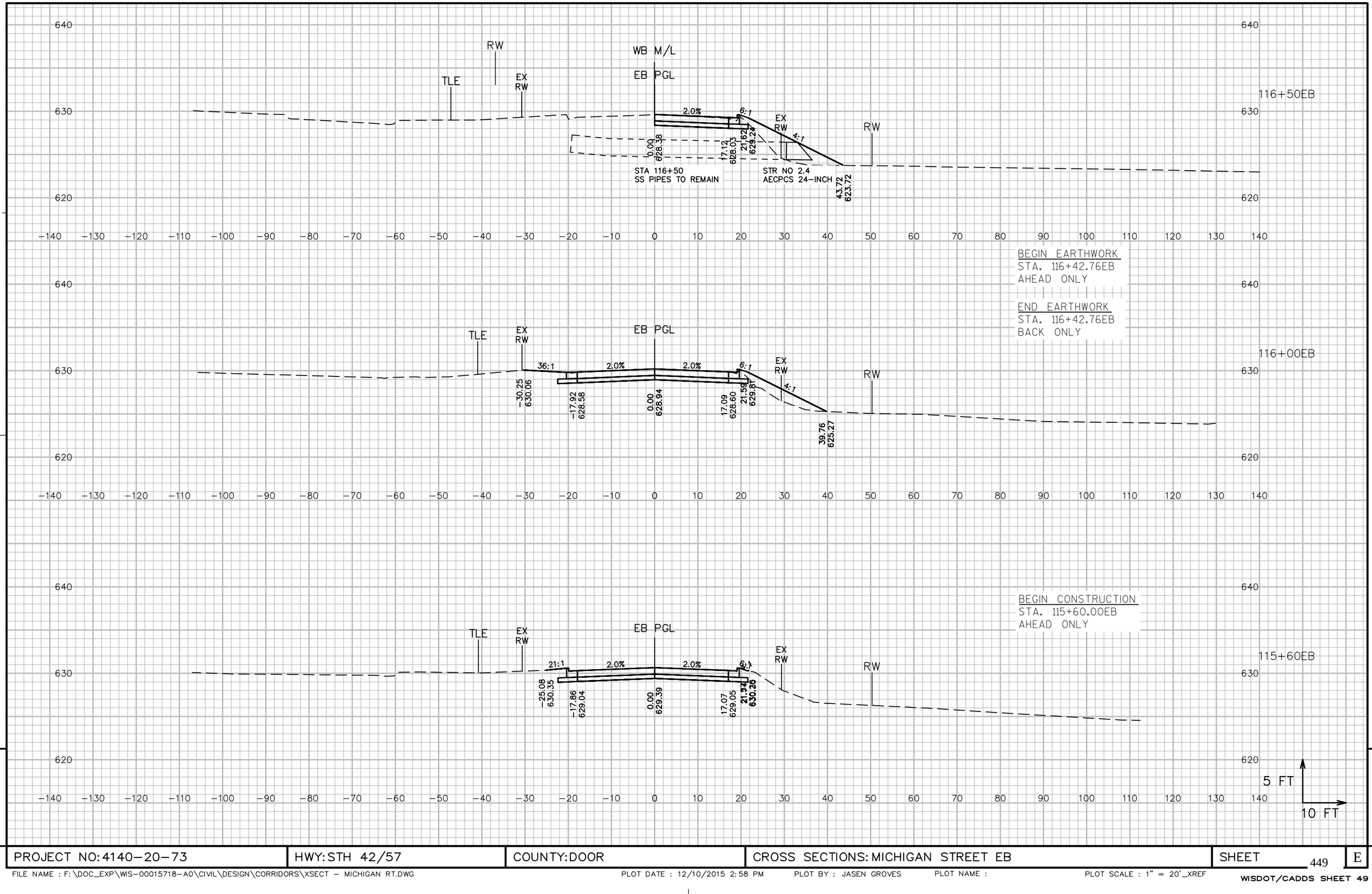
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 447	E

END EARTHWORK STA.
915+21.37SB
BACK ONLY

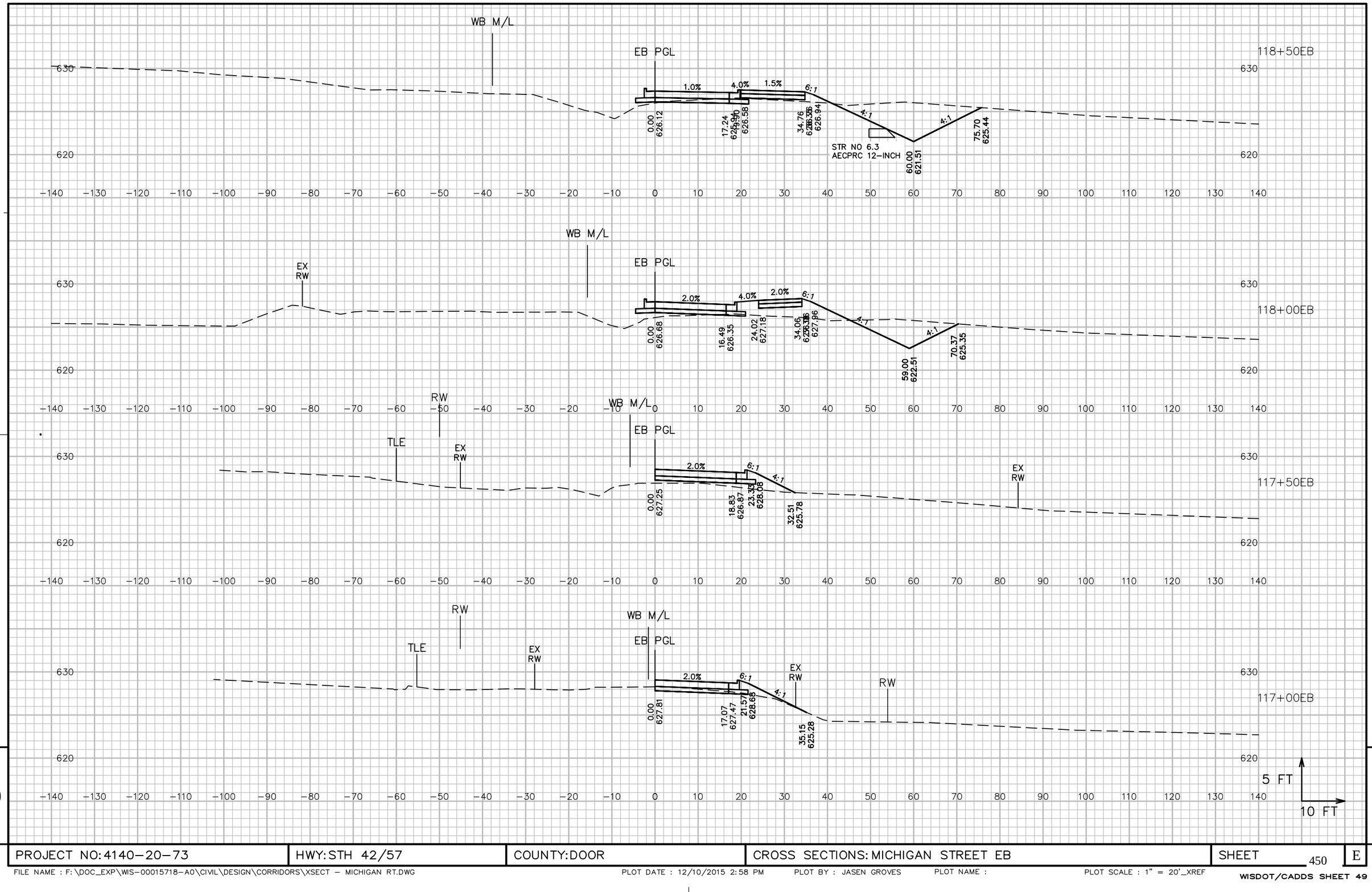


9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57 SB	SHEET 448	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 449	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 450	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN RT.DWG PLOT DATE : 12/10/2015 2:58 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF

MICHIGAN STREET ROUNDABOUT

WB M/L

EB PGL

630

620

640

120+00EB

119+50EB

118+70EB

−140 −130 −120 −110 −100 −90 −80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

END EARTHWORK
STA. 118+74.37EB
BACK ONLY

1.0% 4.0% 1.5% 6:1 4:1 4:1

0.00 625.89
18.04 625.71
25.54 626.54
35.57 626.39
81.02 625.25
64.00 621.00

PIPE NO 7.1
CPRC 36-INCH REQUIRED

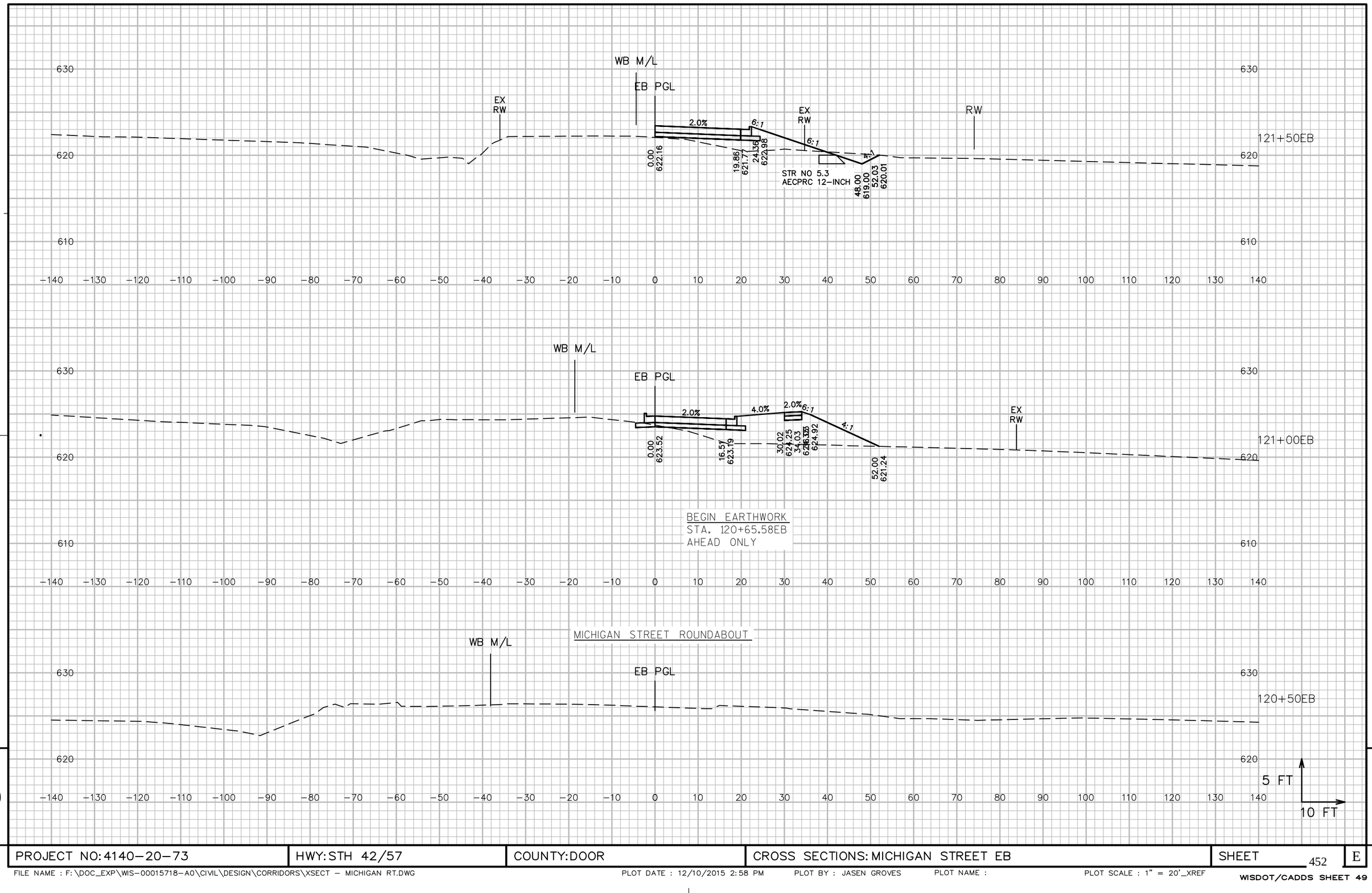
STR NO 7.2
AECPRC 36-INCH

5 FT
10 FT

9

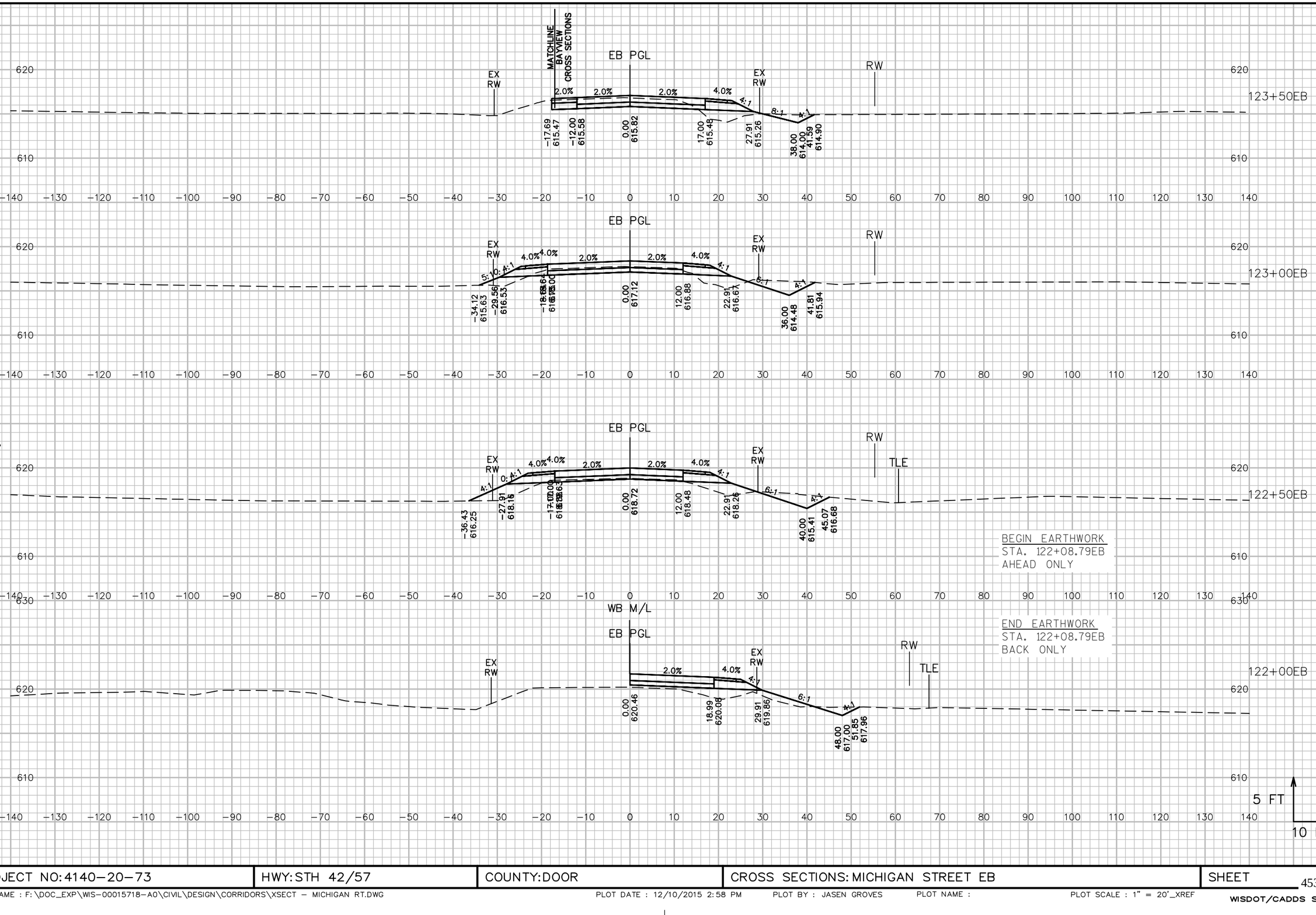
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 451	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN RT.DWG PLOT DATE : 12/10/2015 2:58 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF



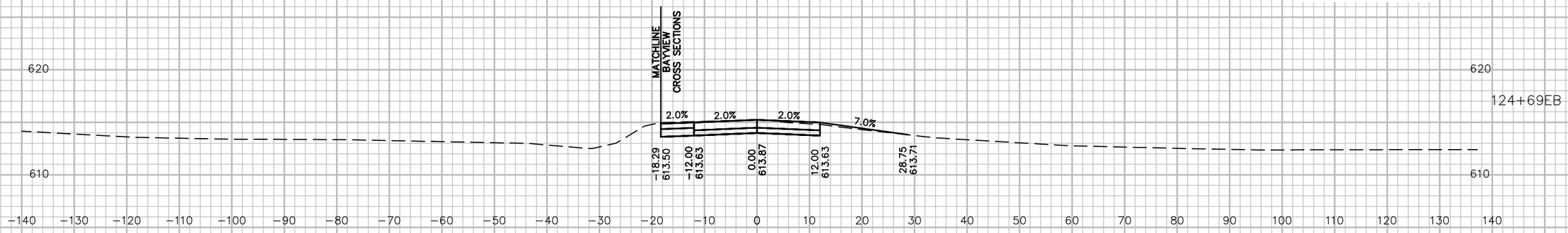
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 452	E

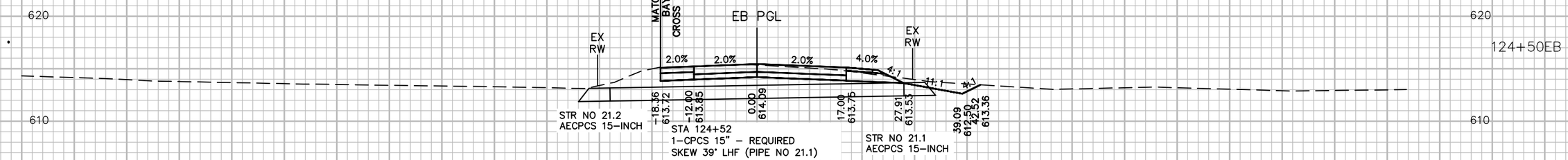
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN RT.DWG PLOT DATE : 12/10/2015 2:58 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF

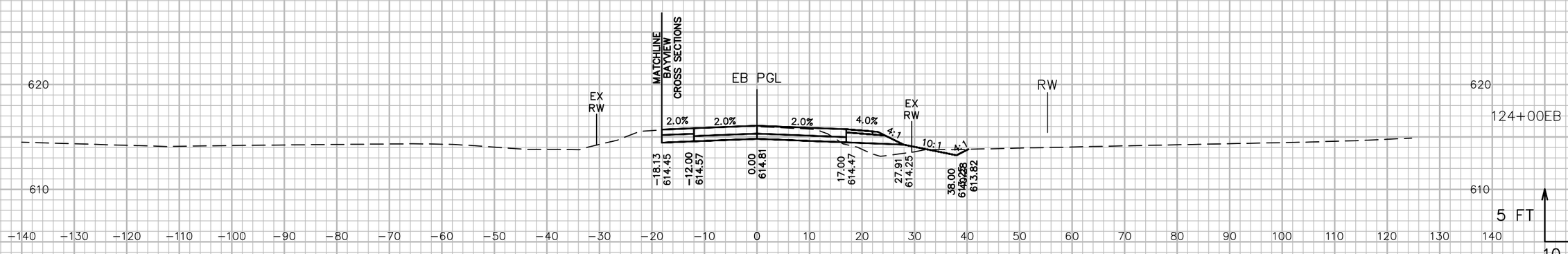


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 453	E

END CONSTRUCTION
STA. 124+69.13EB
BACK ONLY

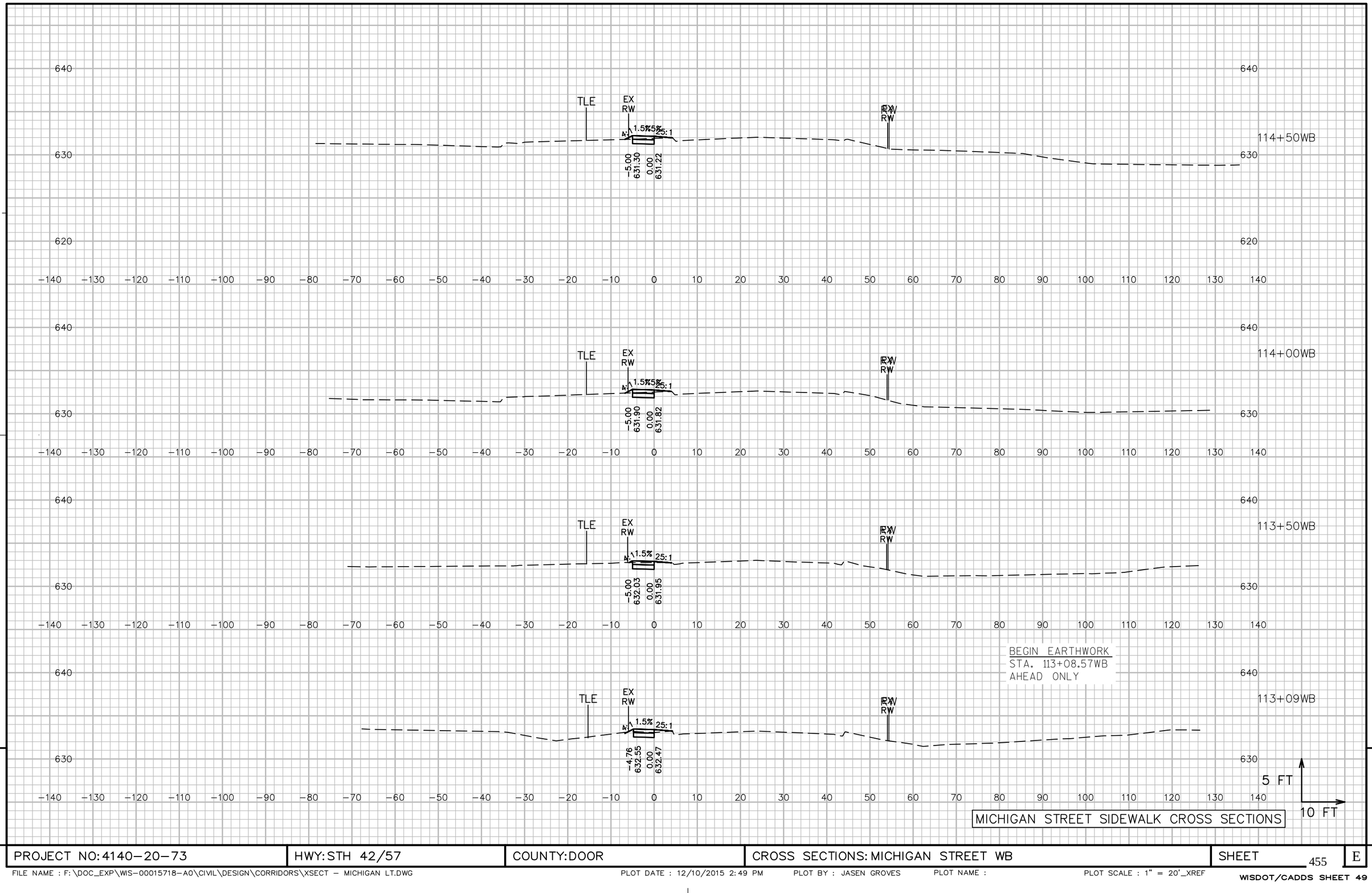






PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET EB	SHEET 454	E

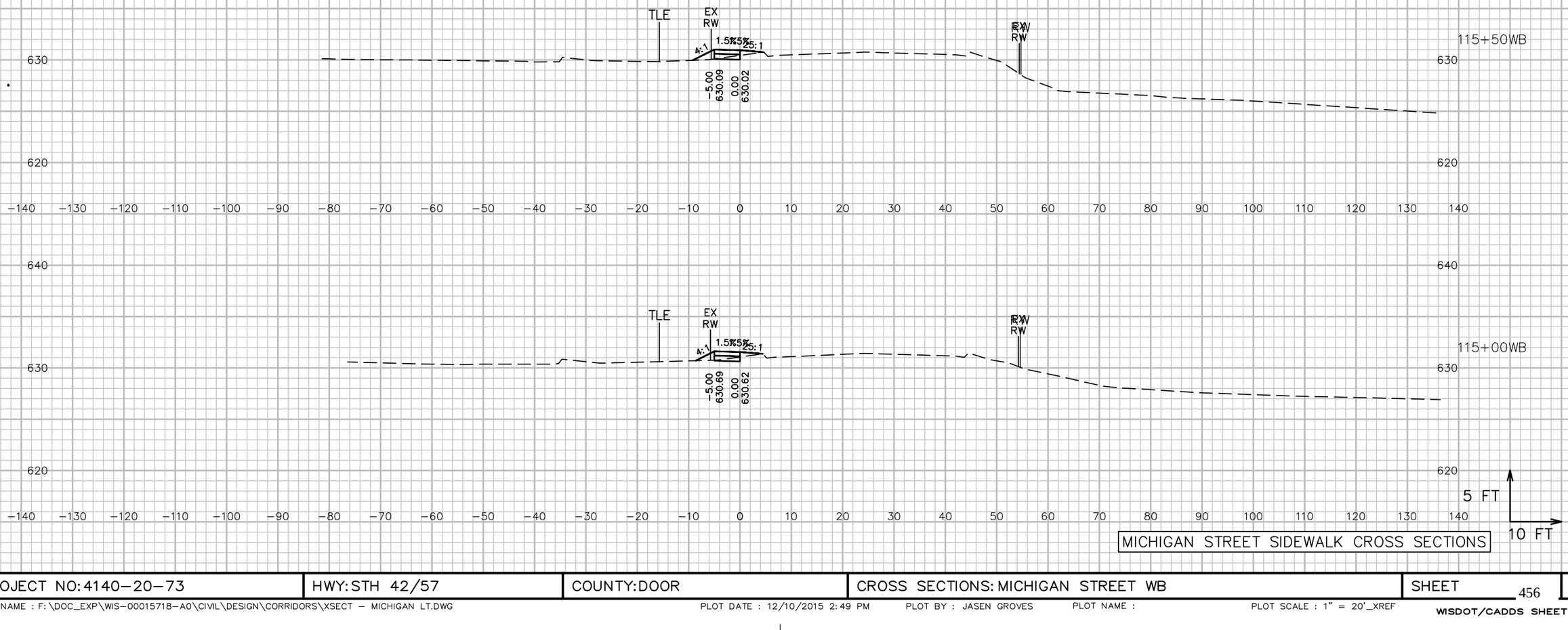
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN RT.DWG PLOT DATE : 12/10/2015 2:58 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 455	E

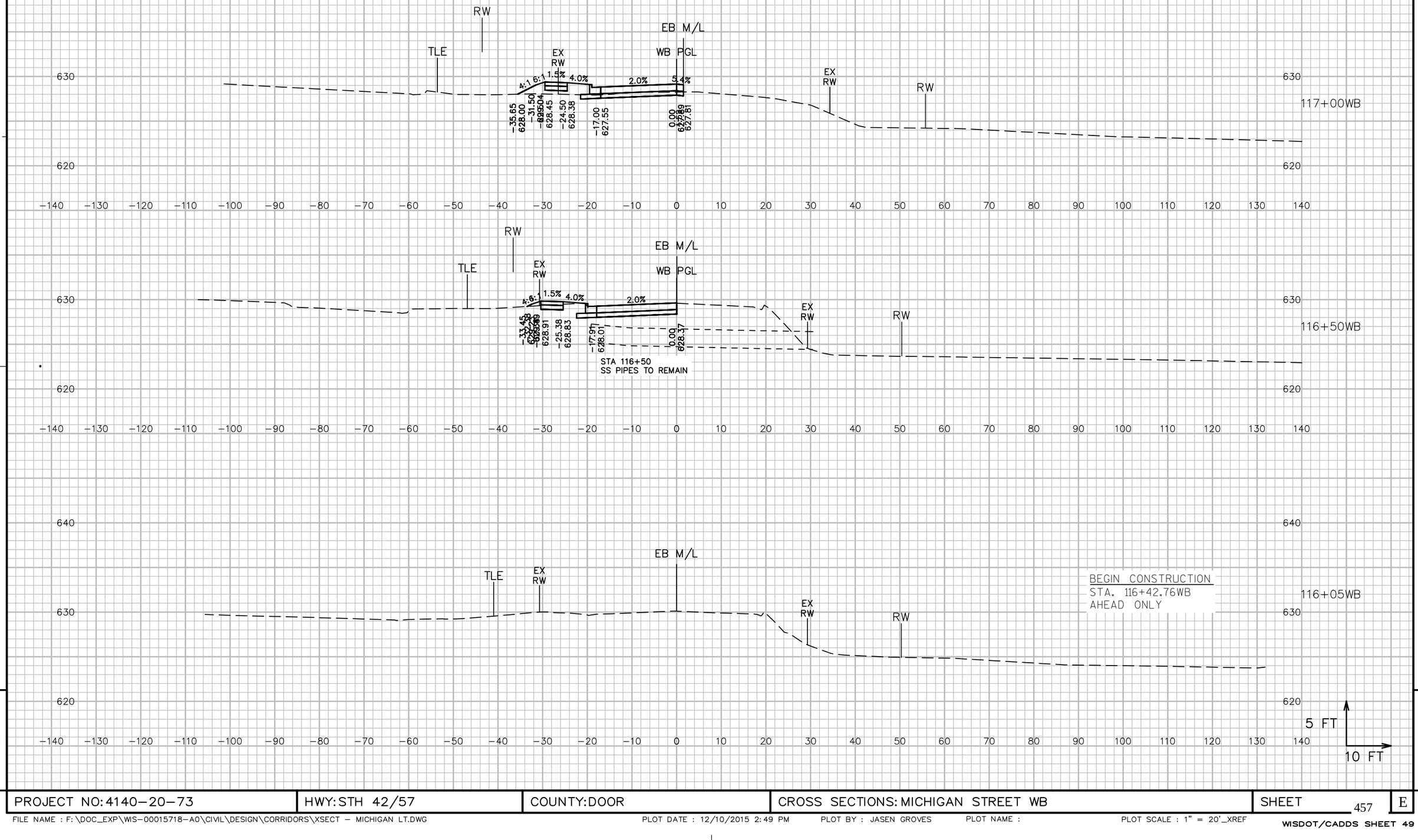
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN LT.DWG PLOT DATE : 12/10/2015 2:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF

END EARTHWORK
STA. 115+60.00WB
BACK ONLY



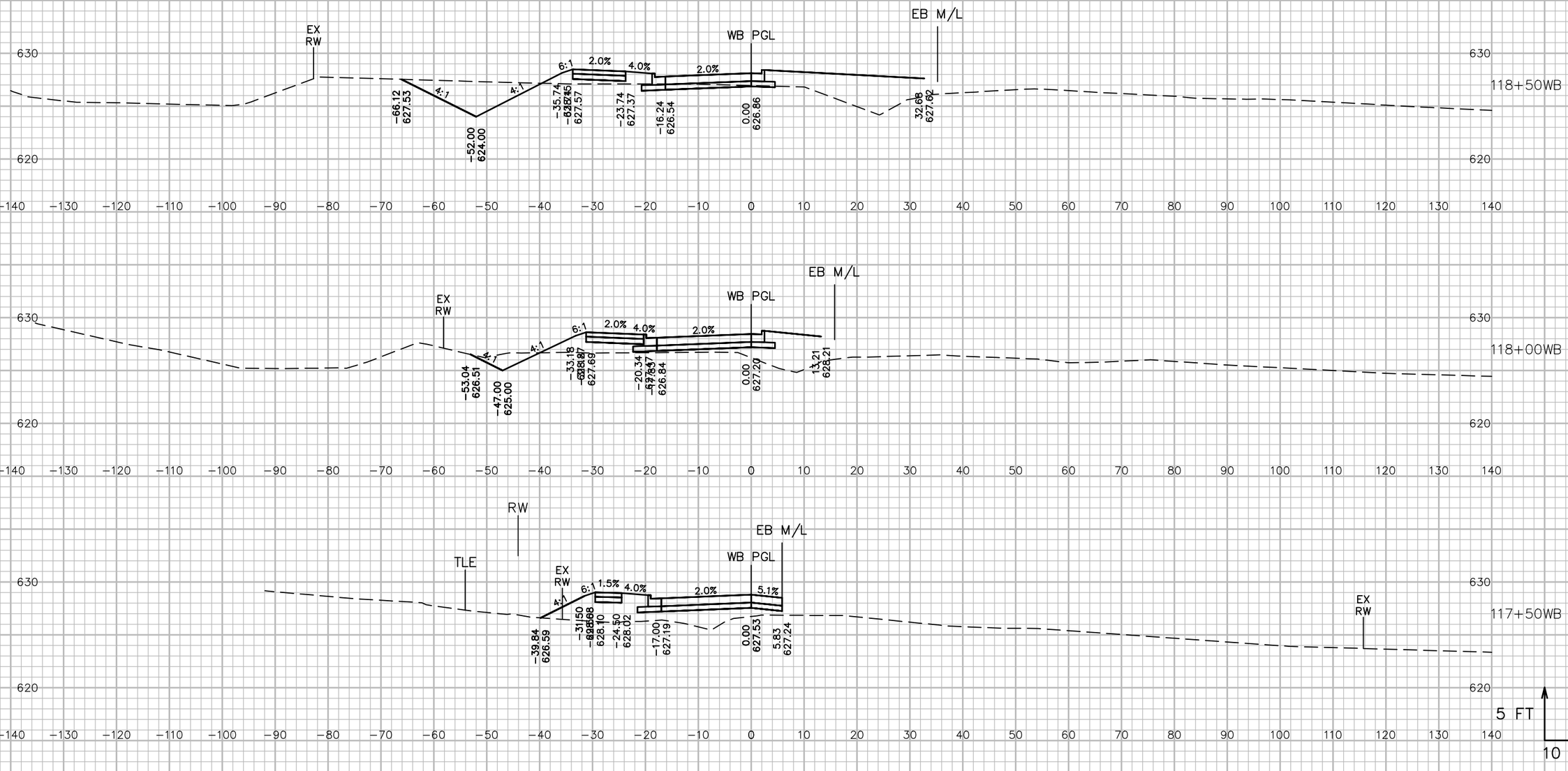
MICHIGAN STREET SIDEWALK CROSS SECTIONS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 456	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 457	E

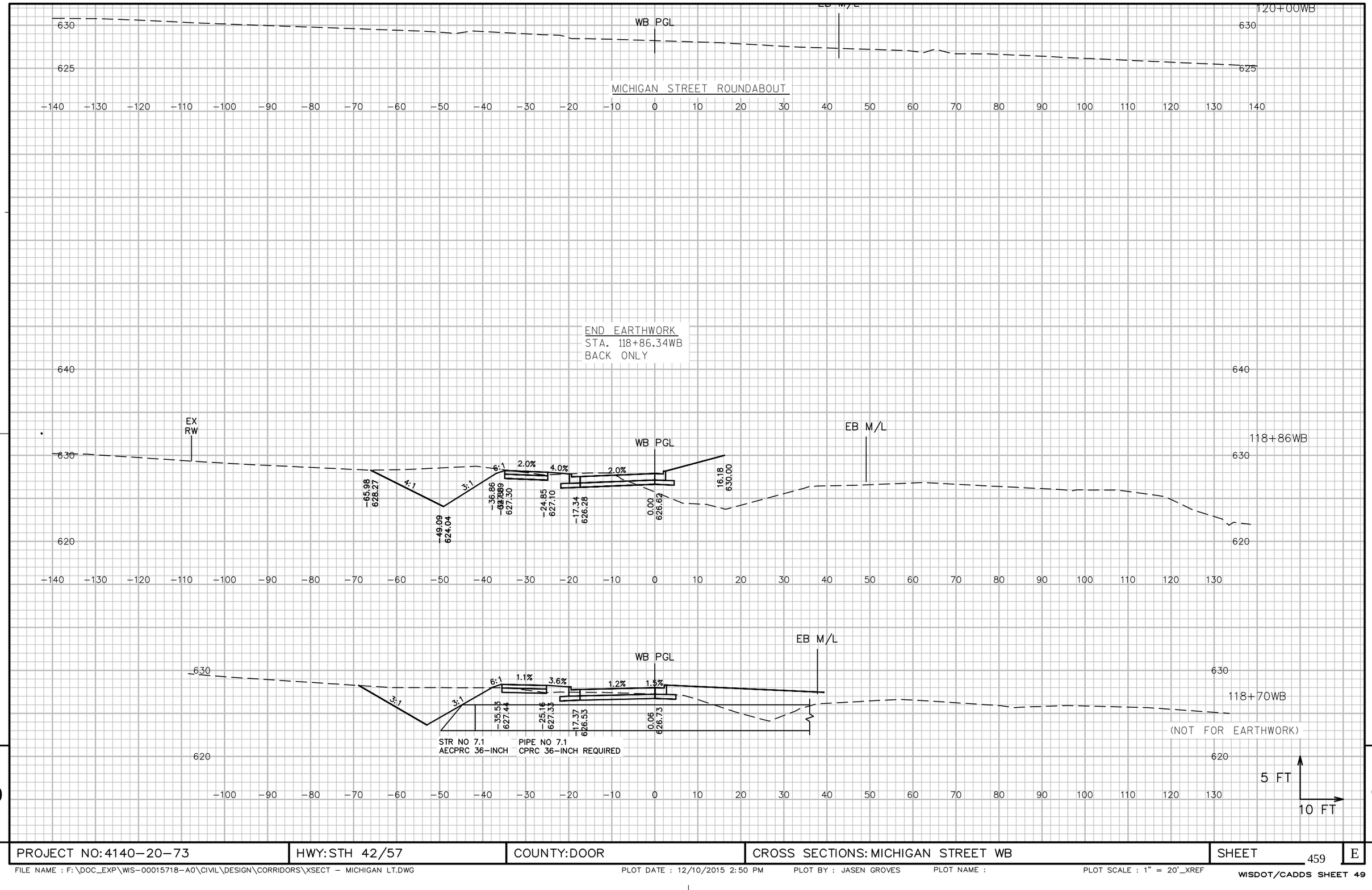
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN LT.DWG PLOT DATE : 12/10/2015 2:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF



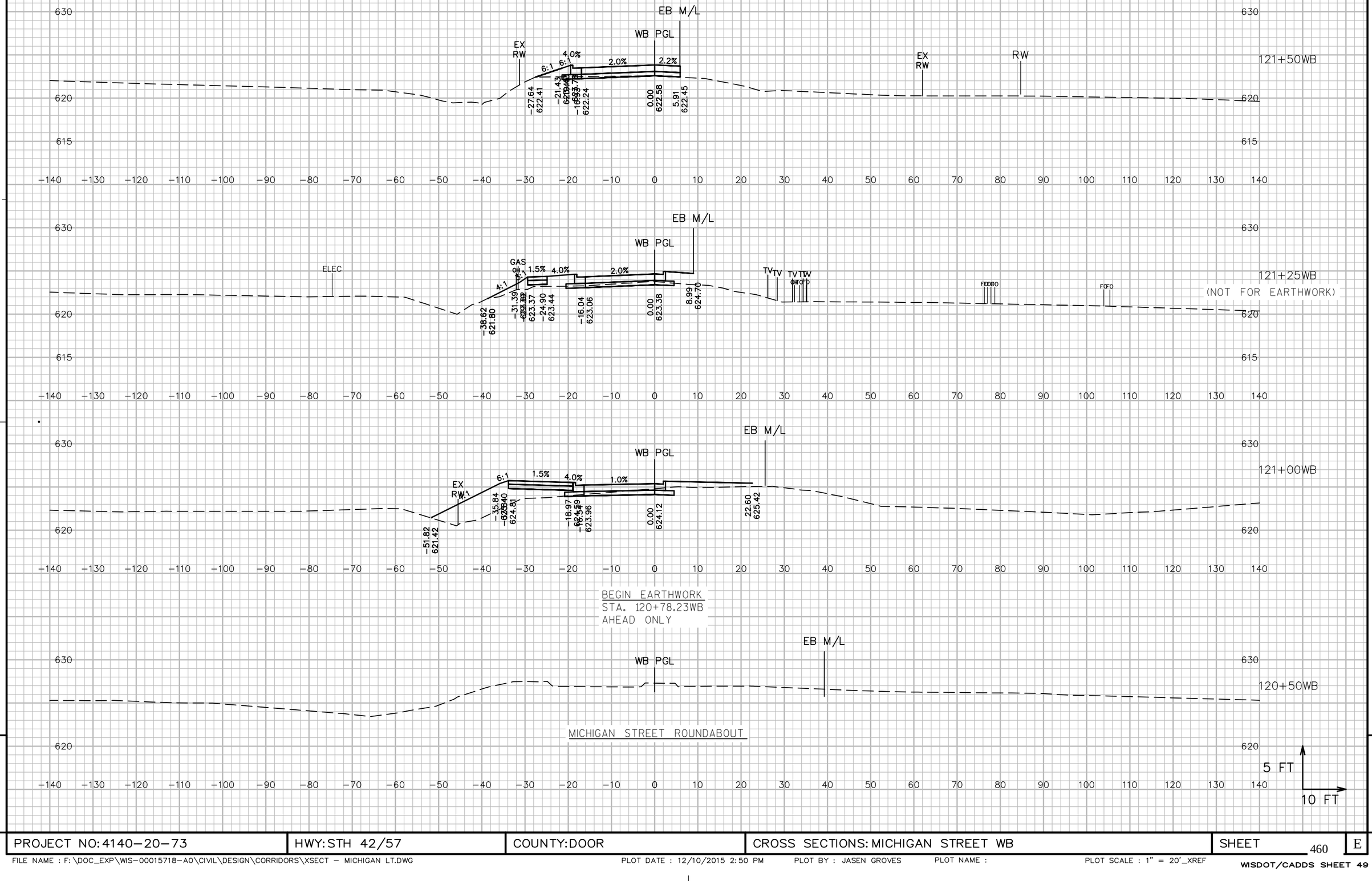
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 458	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN LT.DWG PLOT DATE : 12/10/2015 2:49 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

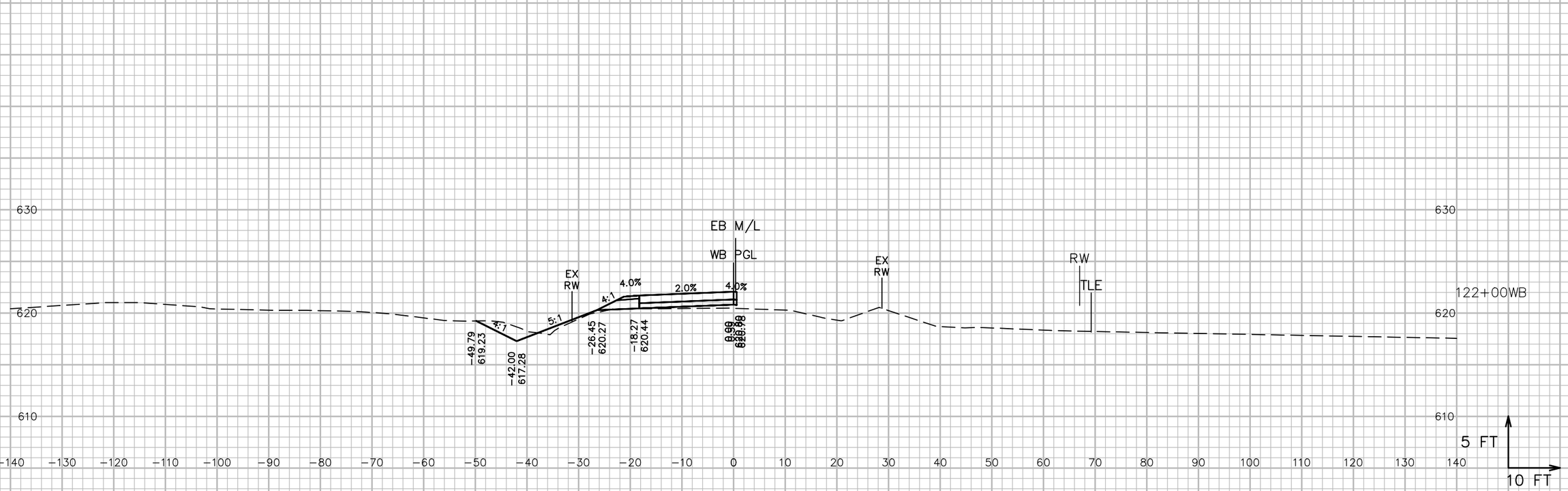


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 459	E



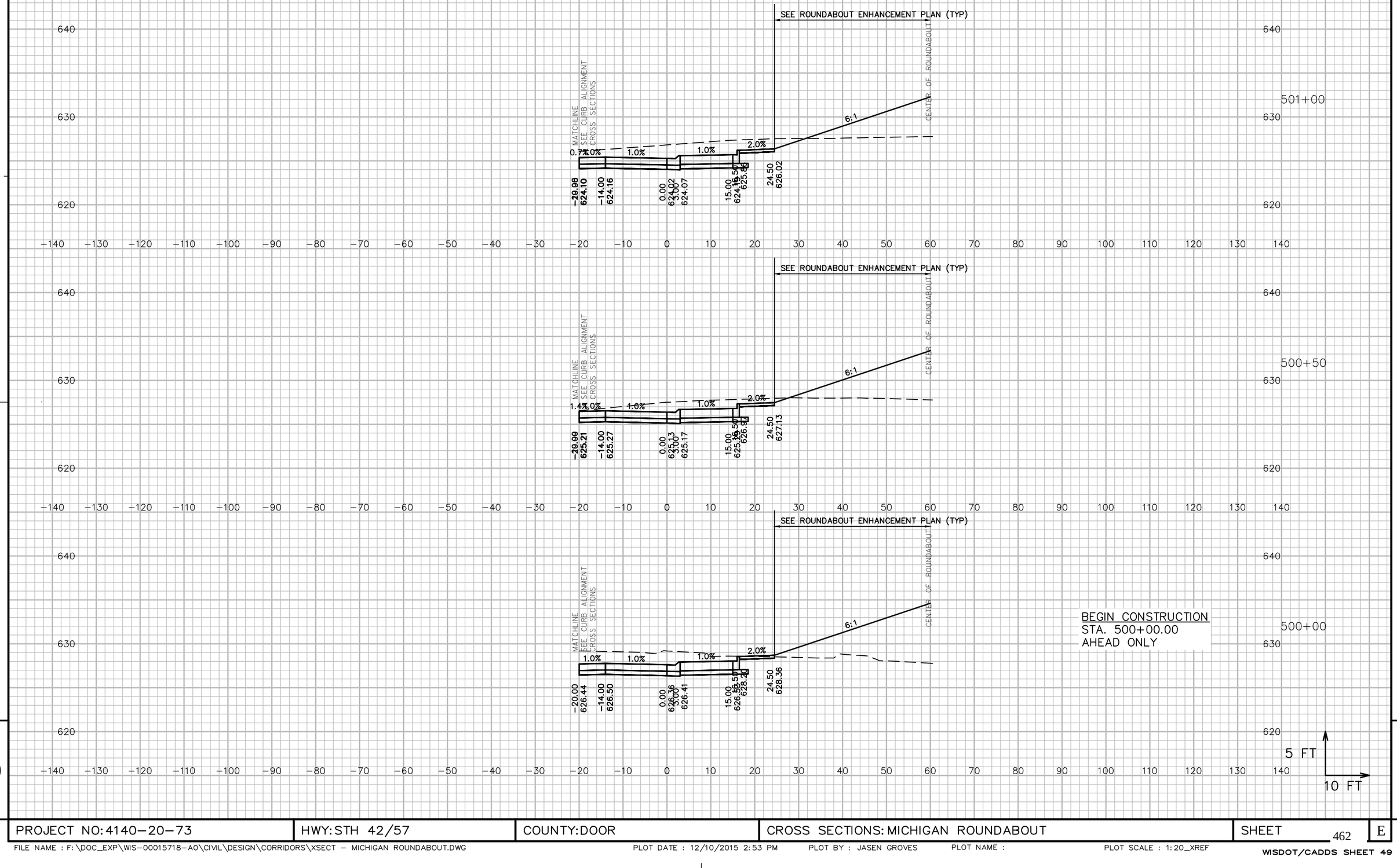
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 460	E

END EARTHWORK
STA. 122+18.00WB
BACK ONLY

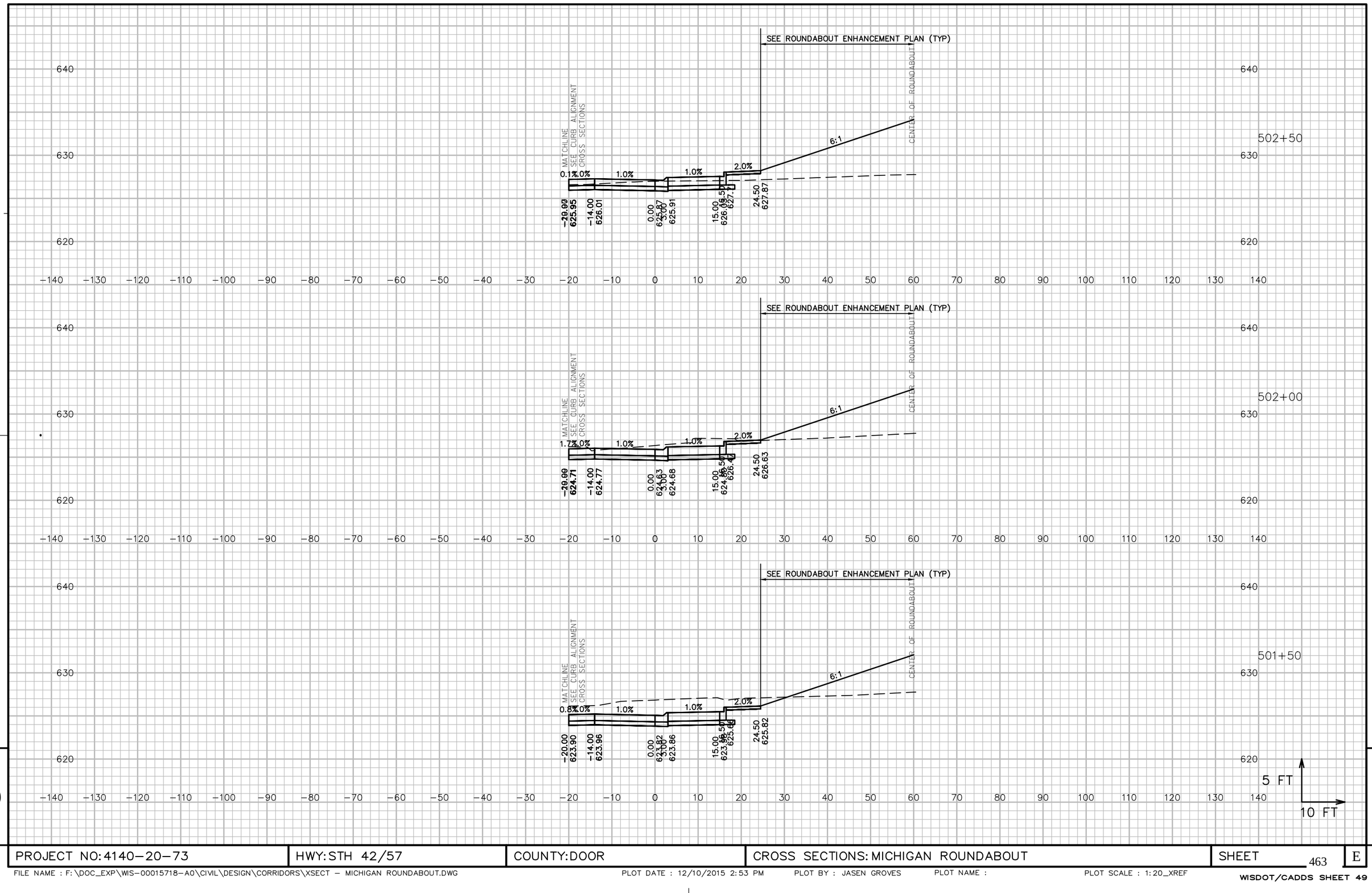


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN STREET WB	SHEET 461	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN LT.DWG
PLOT DATE : 12/10/2015 2:50 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49

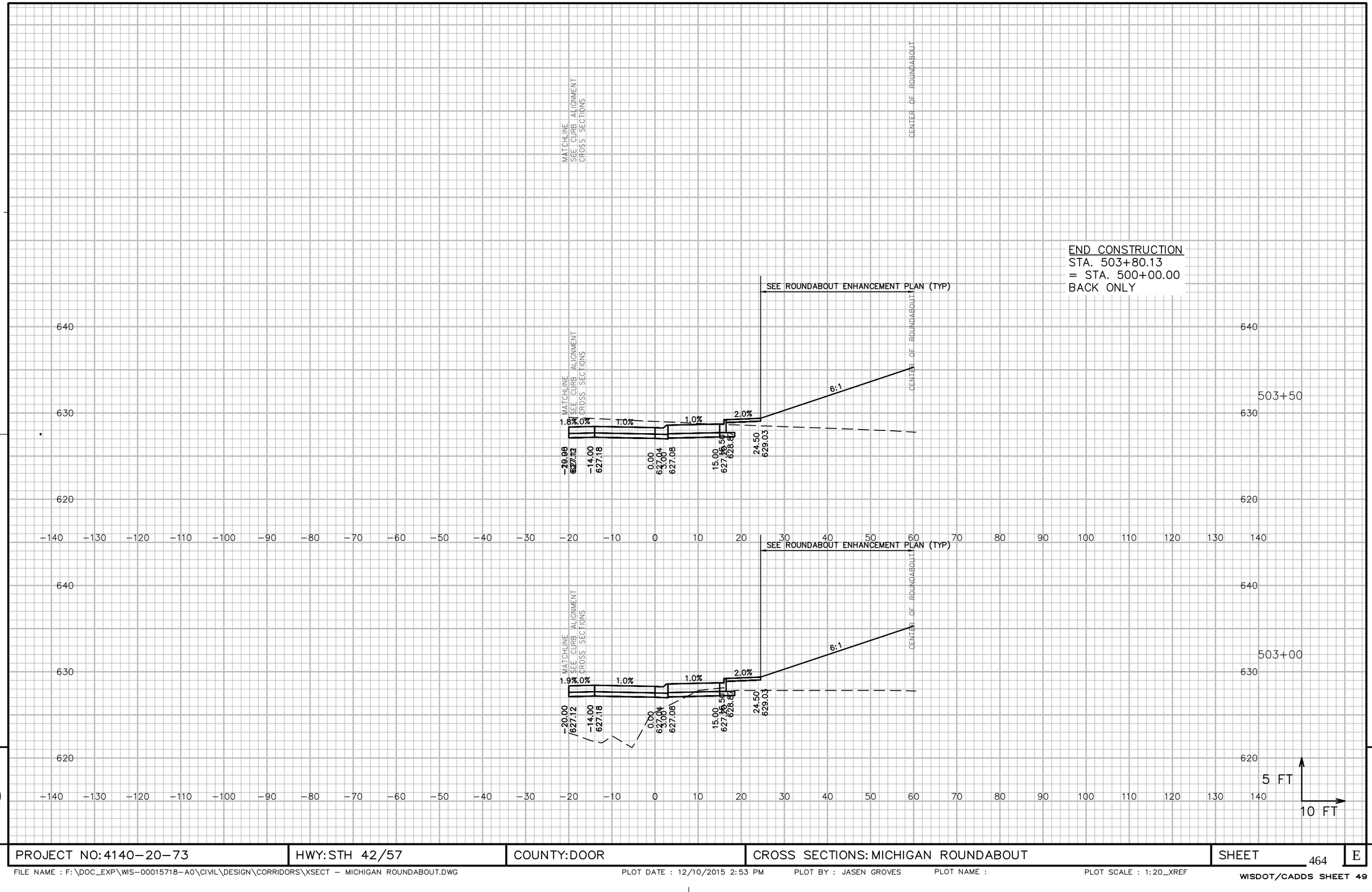


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 462	E

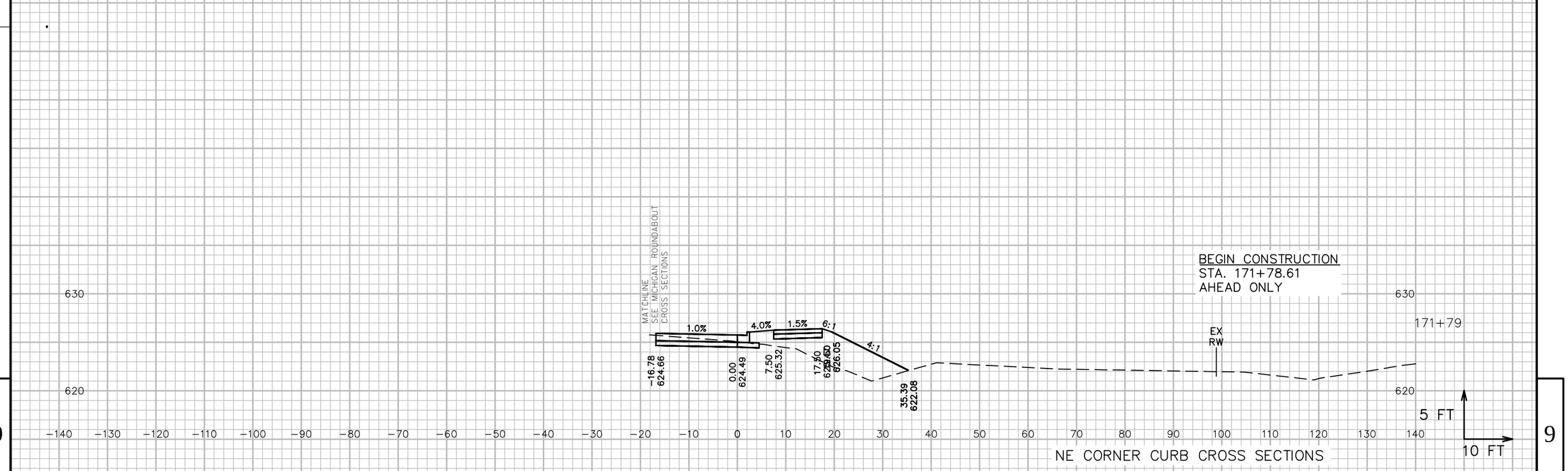


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 463	E

END CONSTRUCTION
STA. 503+80.13
= STA. 500+00.00
BACK ONLY



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 464	E

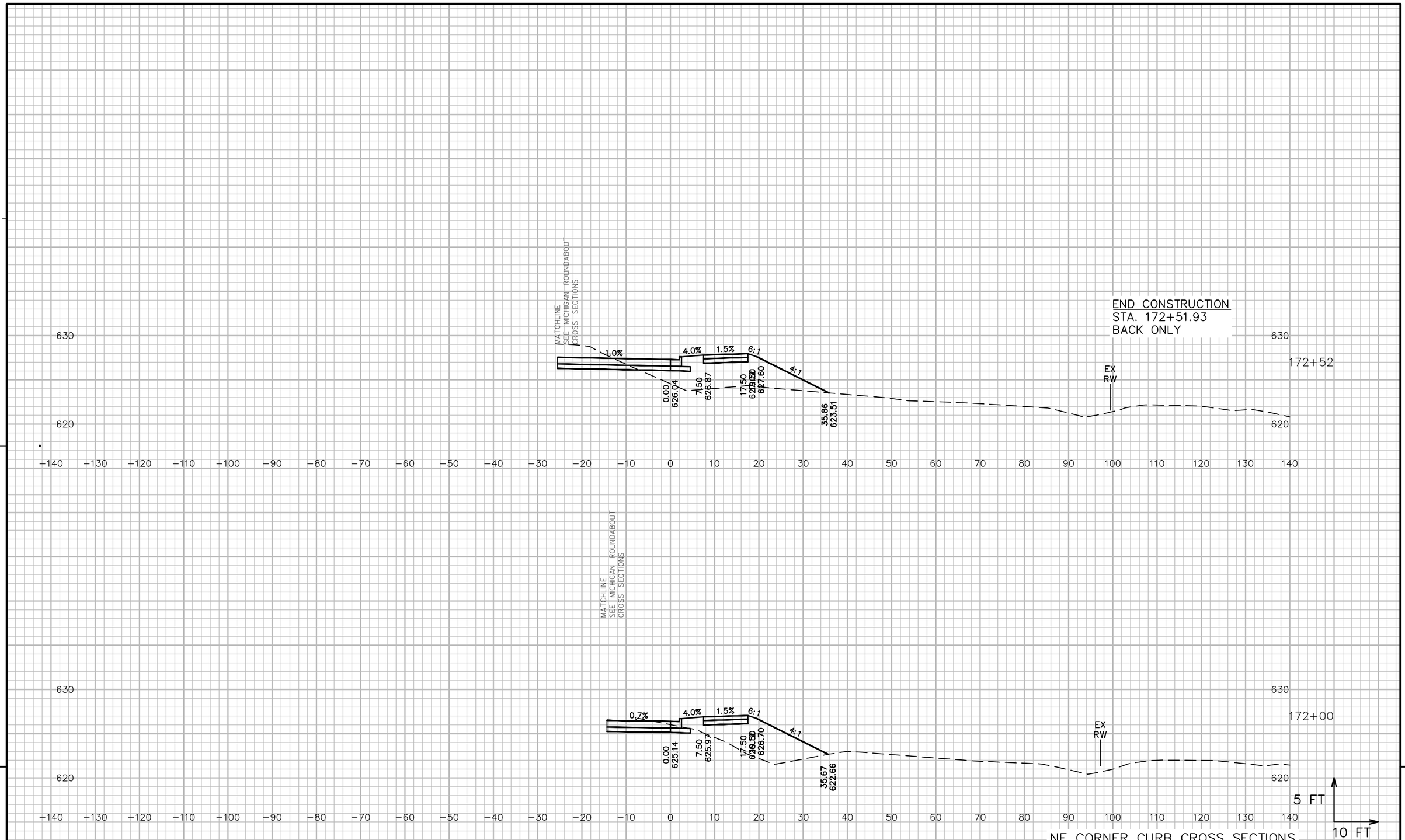


NE CORNER CURB CROSS SECTIONS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 465	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:53 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



NE CORNER CURB CROSS SECTIONS

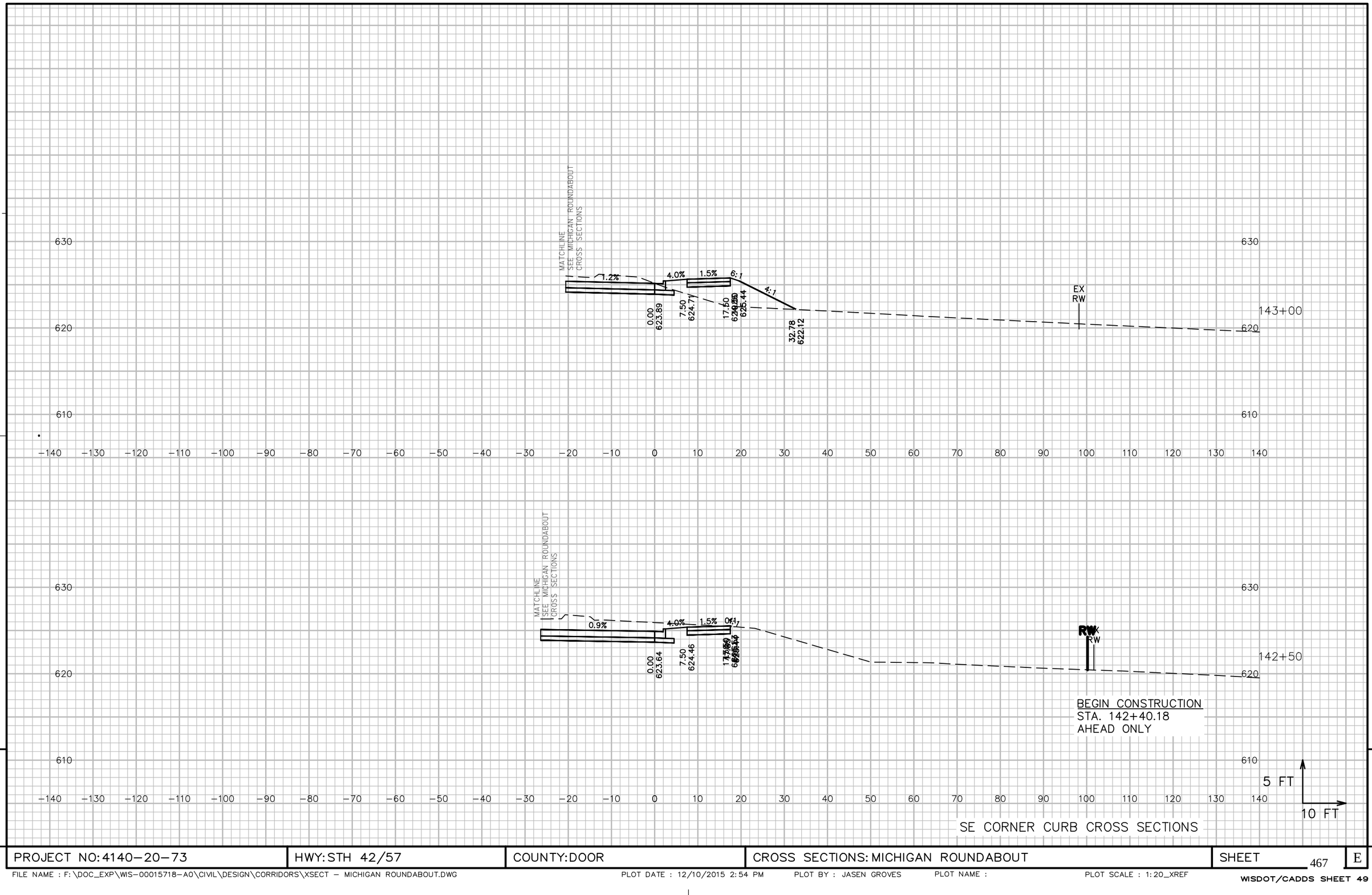
9

9

PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 466	E

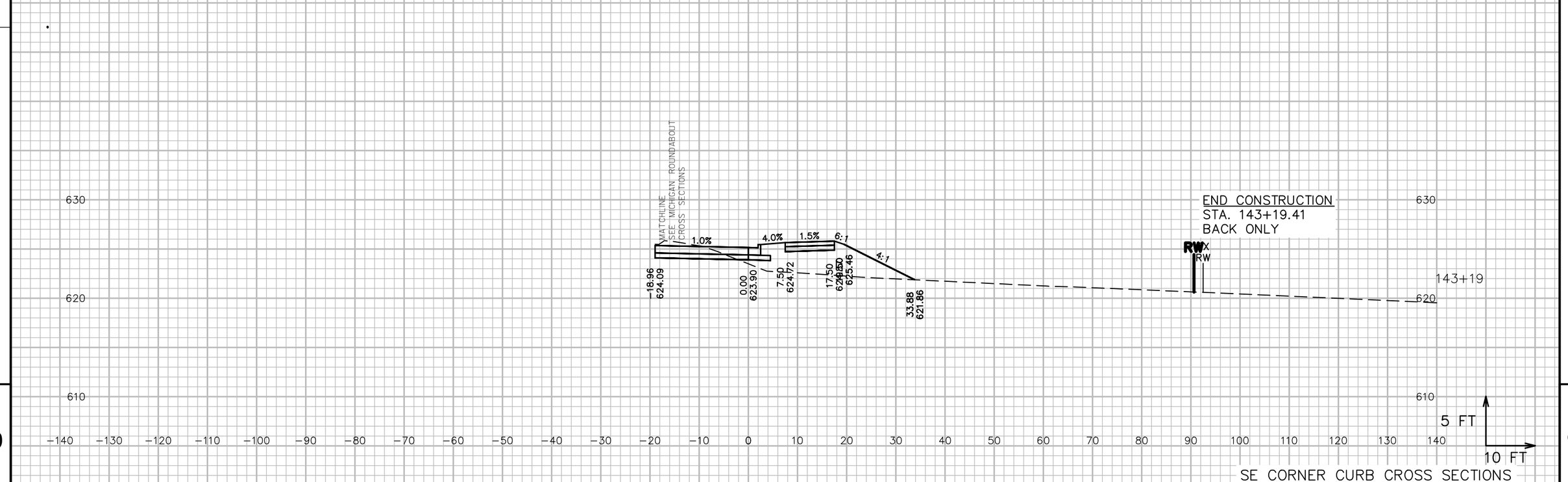
FILE NAME : F:\DOC_EXP\WIS−00015718−A0\CIVIL\DESIGN\CORRIDORS\XSECT − MICHIGAN ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:53 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 467	E

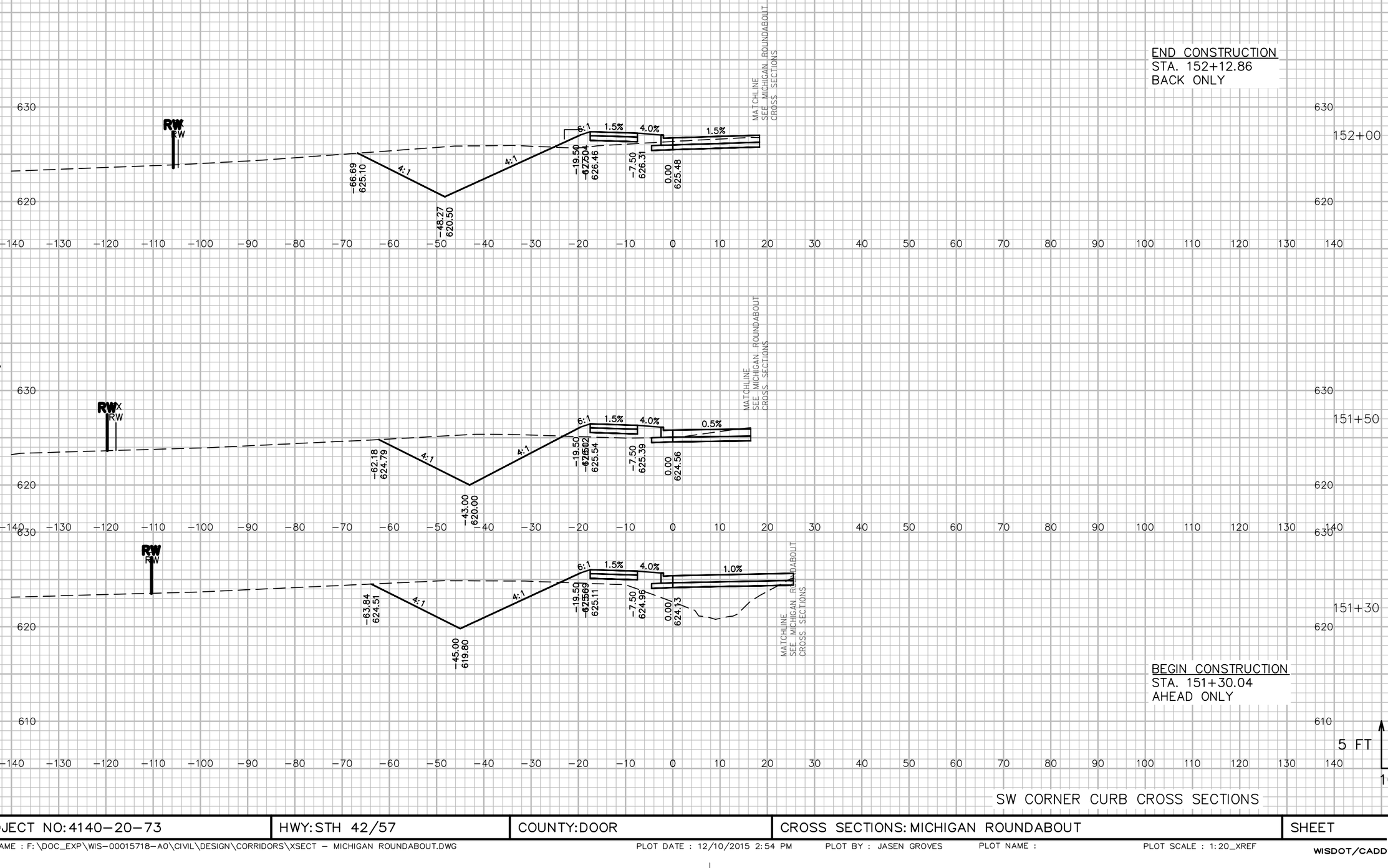


SE CORNER CURB CROSS SECTIONS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 468	E

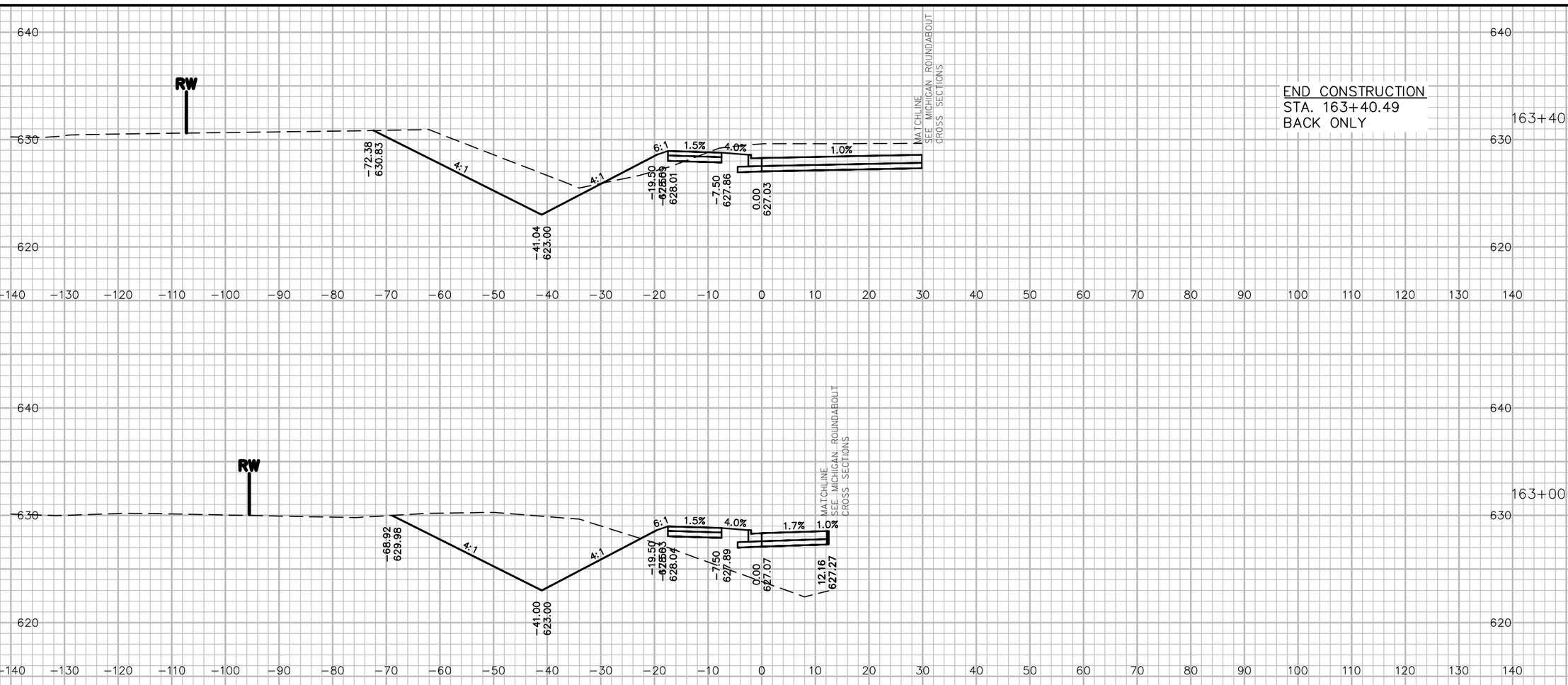
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - MICHIGAN ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:54 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

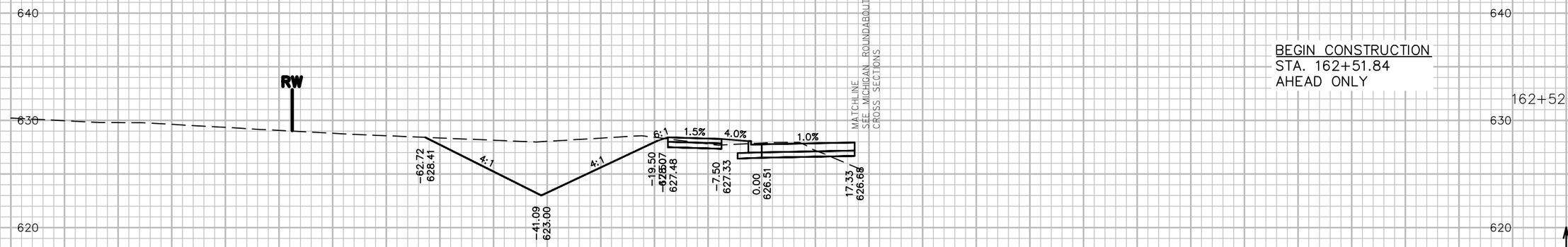
WISDOT/CADDS SHEET 49



SW CORNER CURB CROSS SECTIONS

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 469	E

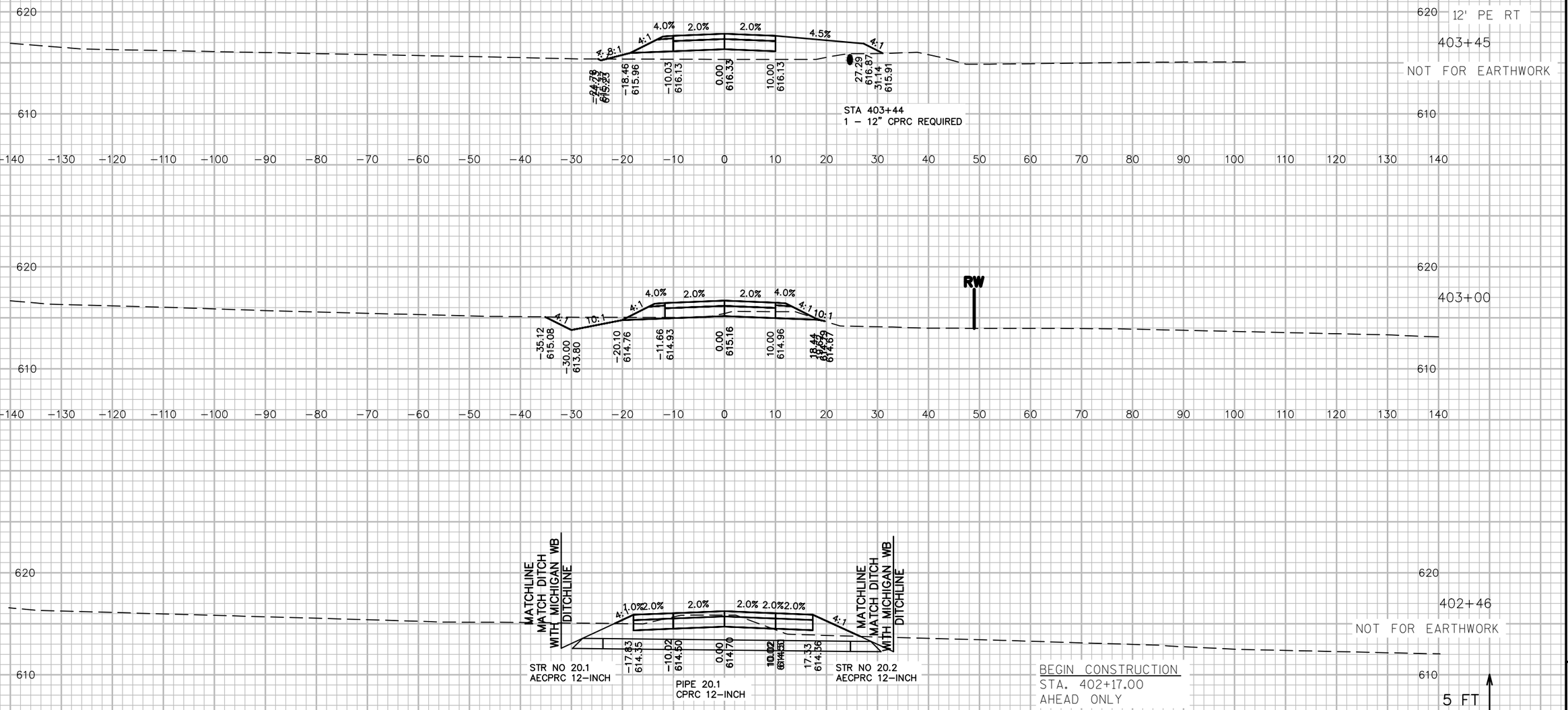




NW CORNER CURB CROSS SECTIONS

9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: MICHIGAN ROUNDABOUT	SHEET 470	E



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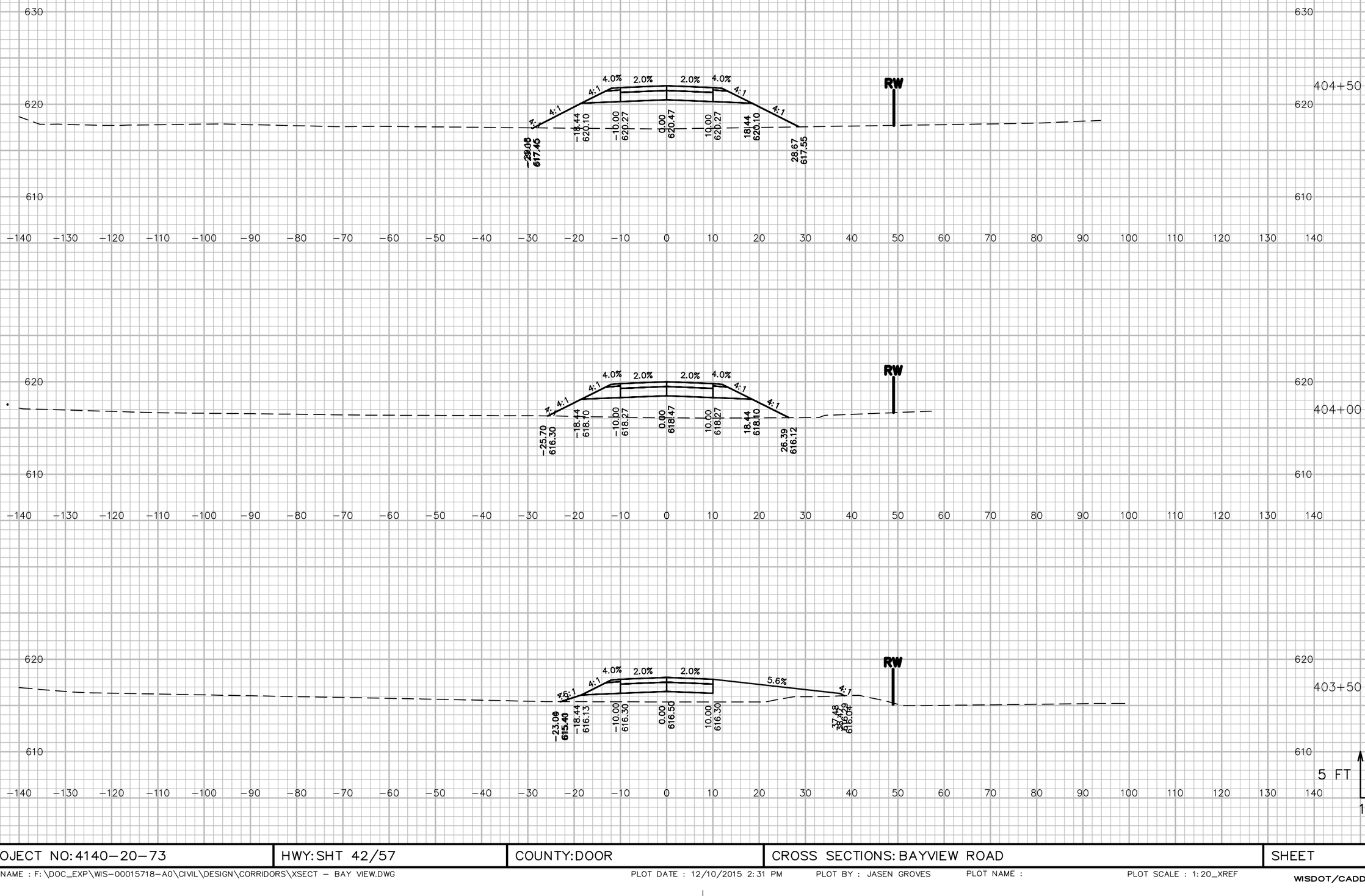
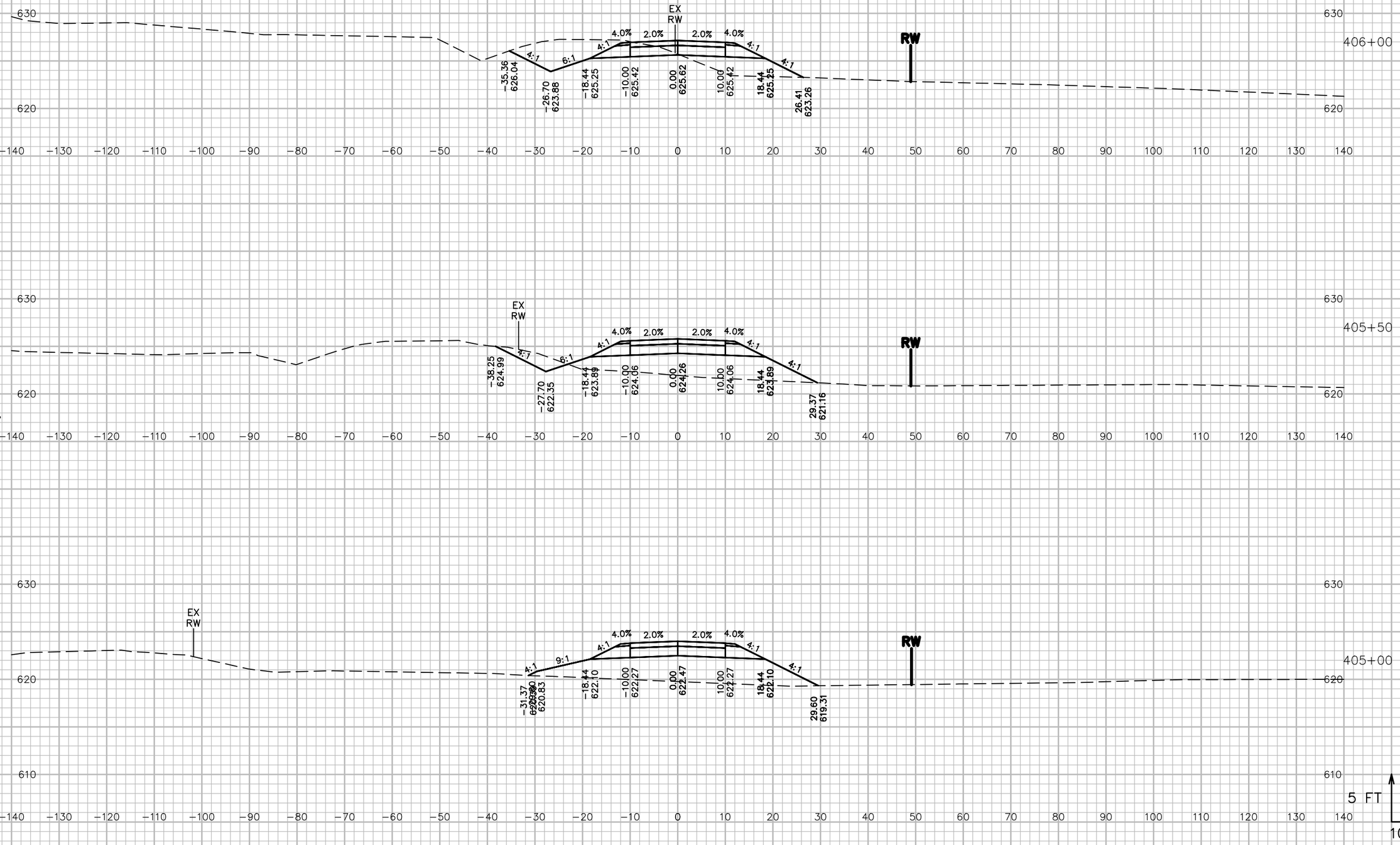
PROJECT NO: 4140-20-73	HWY: SHT 42/57	COUNTY: DOOR	CROSS SECTIONS: BAYVIEW ROAD	SHEET 471	E

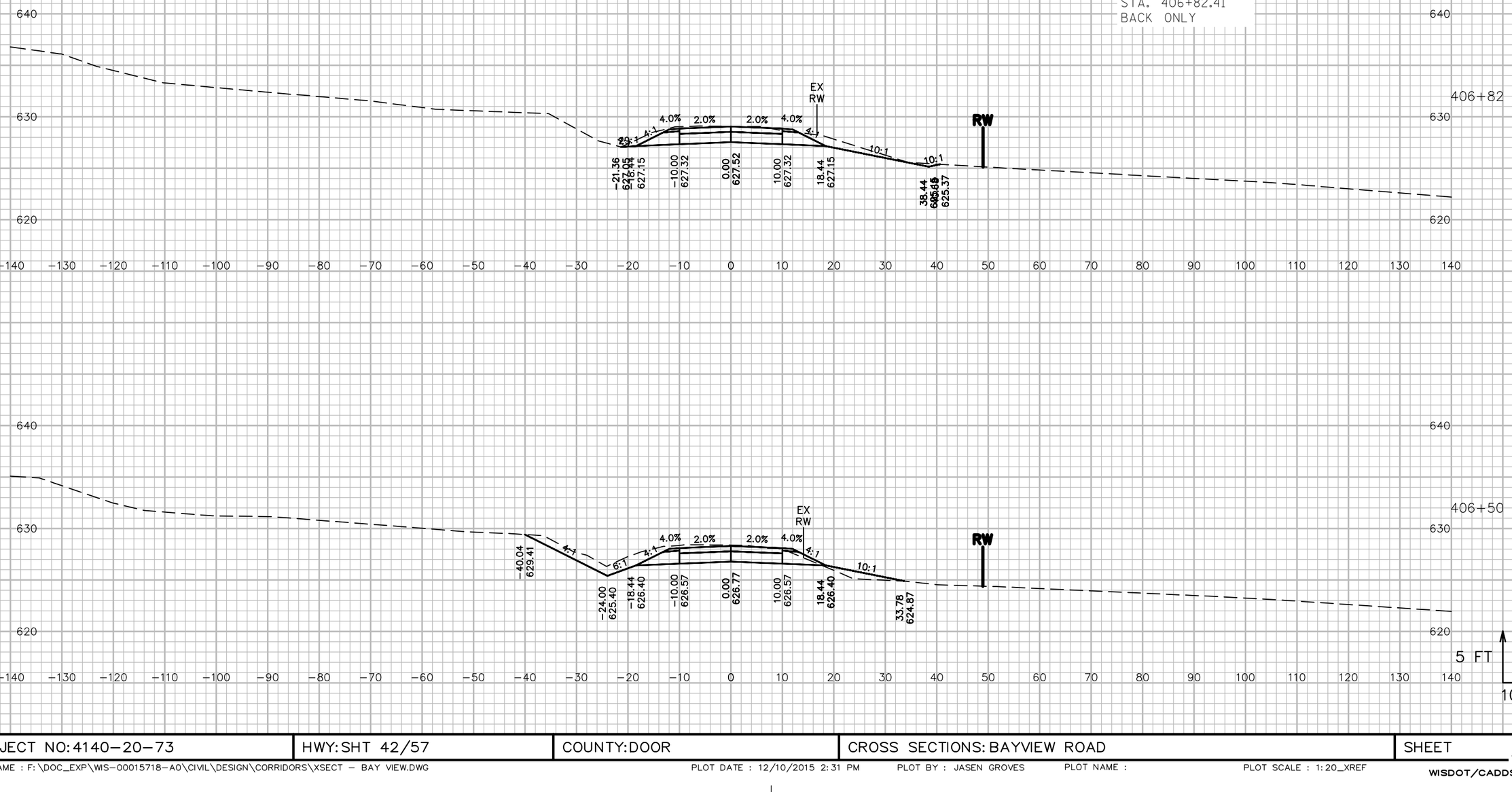


PROJECT NO: 4140-20-73	HWY: SHT 42/57	COUNTY: DOOR	CROSS SECTIONS: BAYVIEW ROAD	SHEET 472	E



PROJECT NO: 4140-20-73	HWY: SHT 42/57	COUNTY: DOOR	CROSS SECTIONS: BAYVIEW ROAD	SHEET 473	E

END CONSTRUCTION
STA. 406+82.41
BACK ONLY



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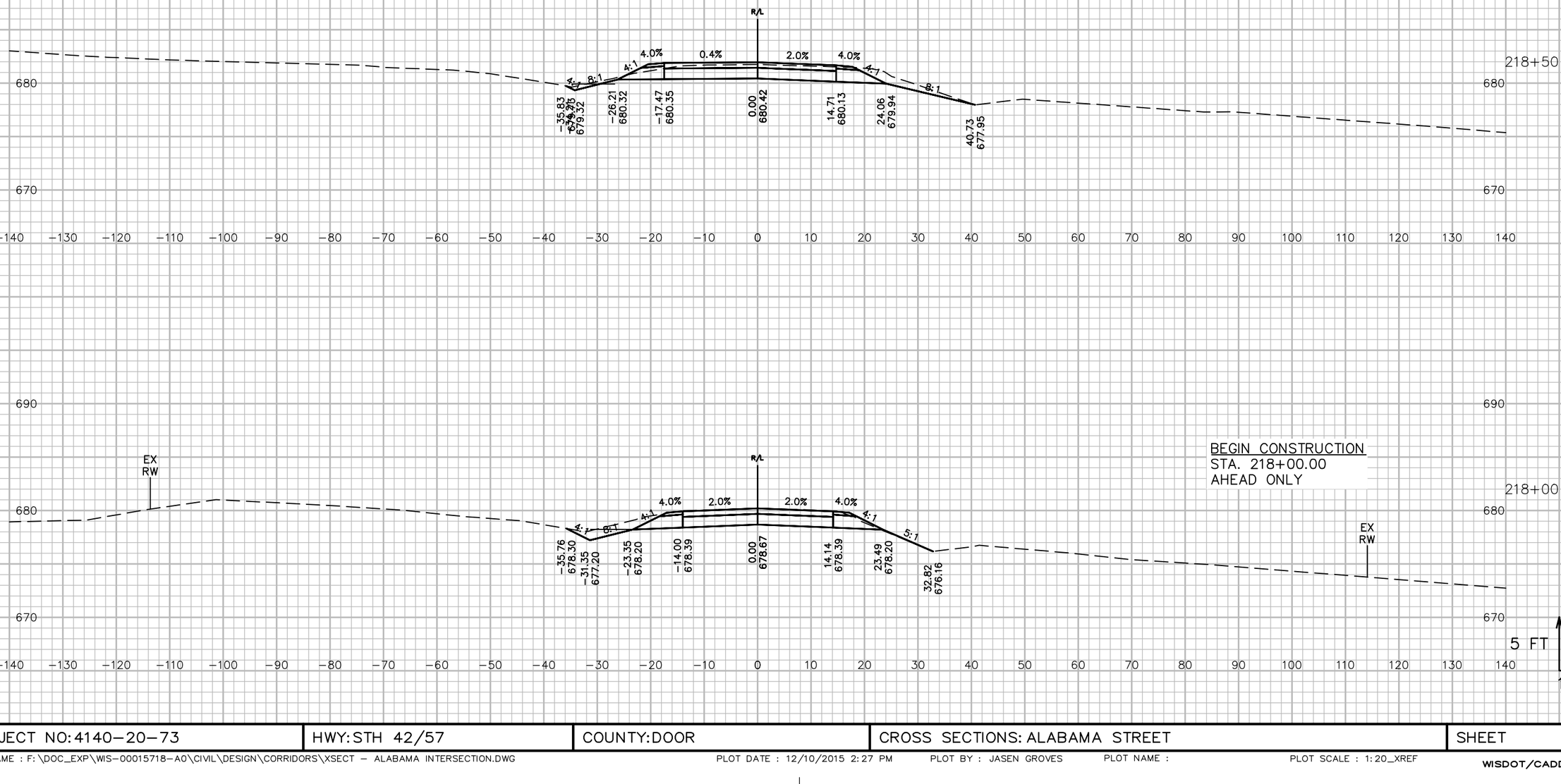
PROJECT NO: 4140-20-73	HWY: SHT 42/57	COUNTY: DOOR	CROSS SECTIONS: BAYVIEW ROAD	SHEET 474	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - BAY VIEW.DWG PLOT DATE : 12/10/2015 2:31 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



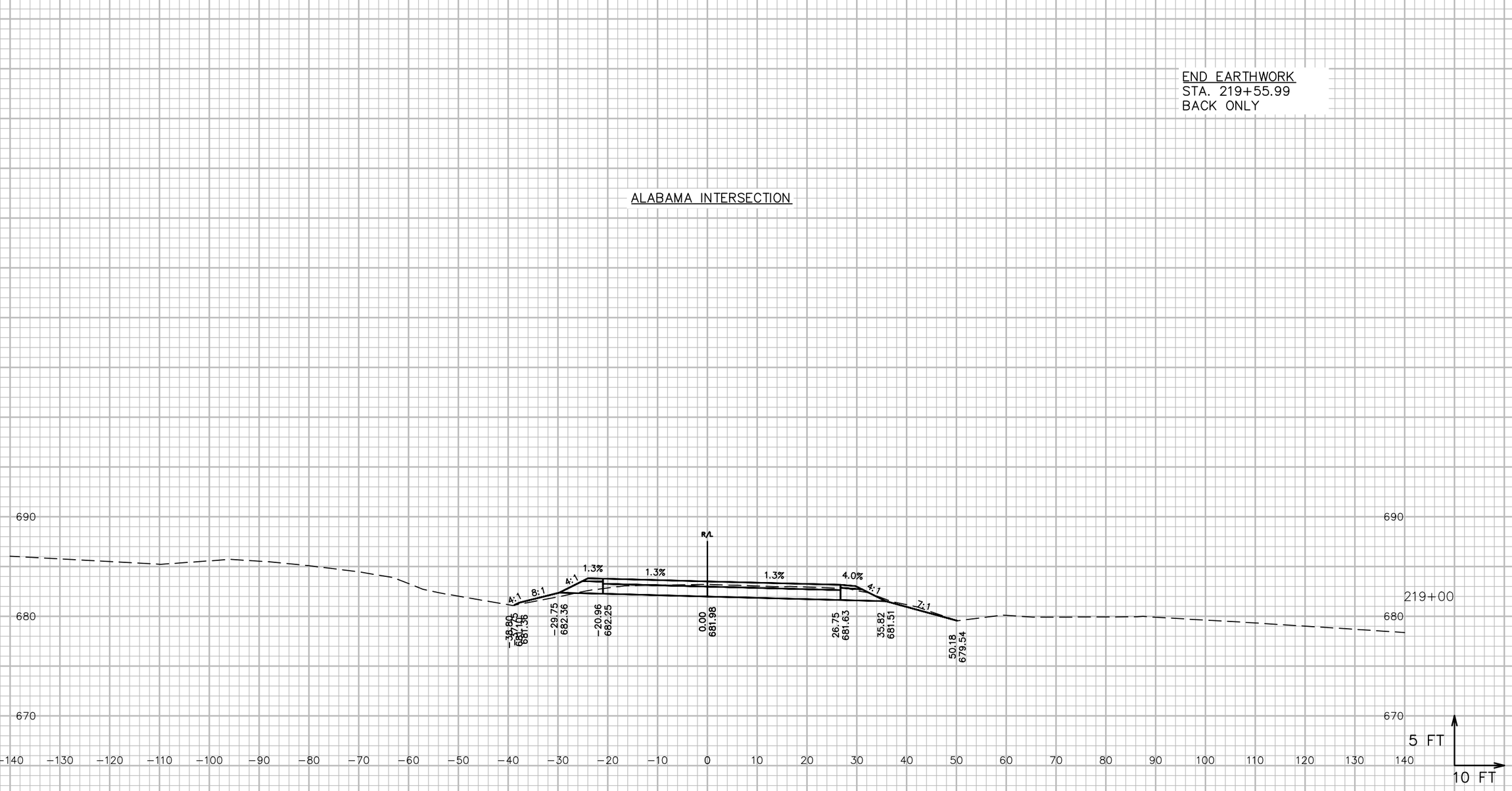
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: ALABAMA STREET	SHEET 475	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - ALABAMA INTERSECTION.DWG PLOT DATE : 12/10/2015 2:27 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

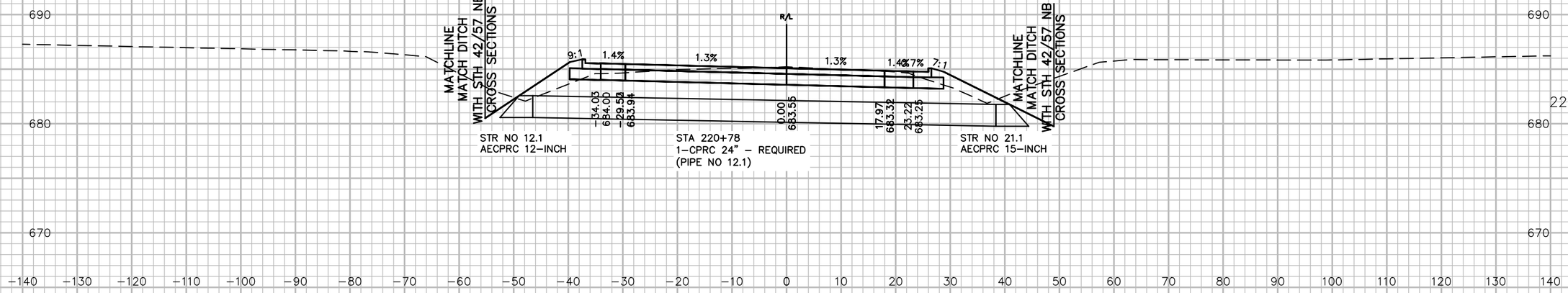
END EARTHWORK
STA. 219+55.99
BACK ONLY

ALABAMA INTERSECTION



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: ALABAMA STREET	SHEET 476	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - ALABAMA INTERSECTION.DWG PLOT DATE : 12/10/2015 2:27 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



BEGIN EARTHWORK
STA. 219+44.01
BACK ONLY

ALABAMA INTERSECTION

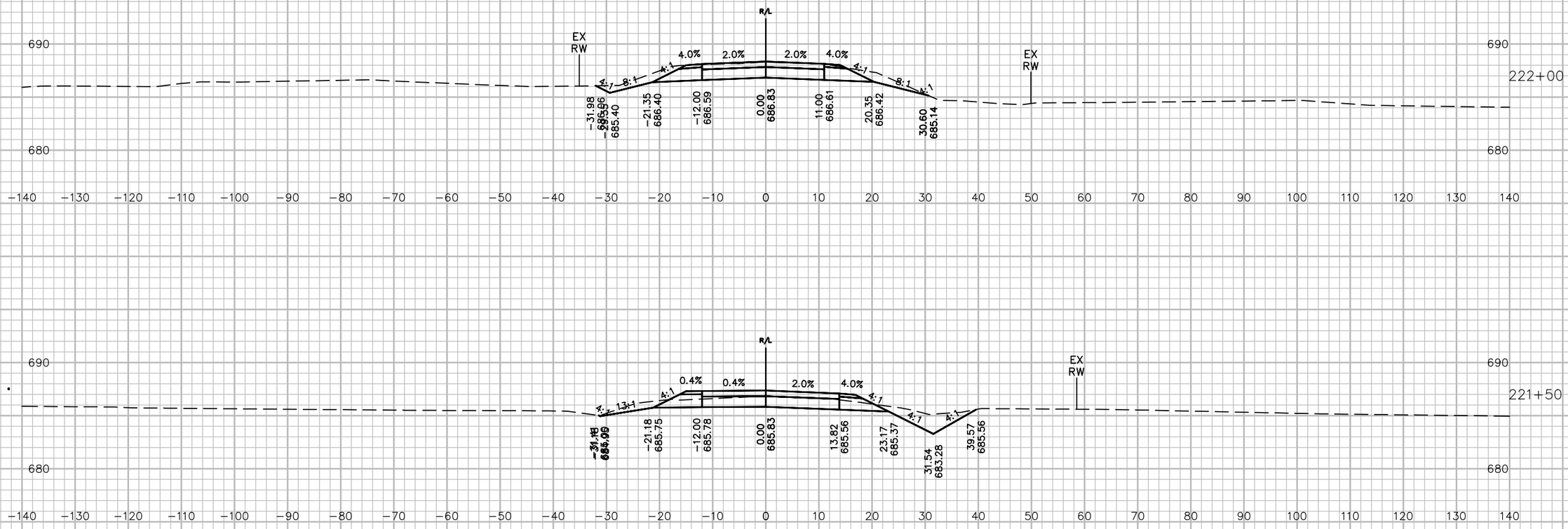
ALABAMA INTERSECTION

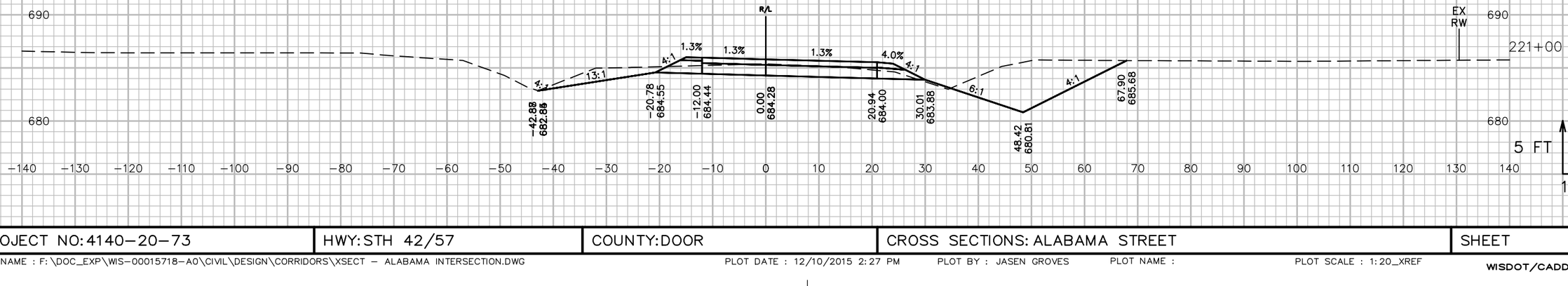
5 FT
10 FT

9

9

PROJECT NO: 4140–20–73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: ALABAMA STREET	SHEET 477	E





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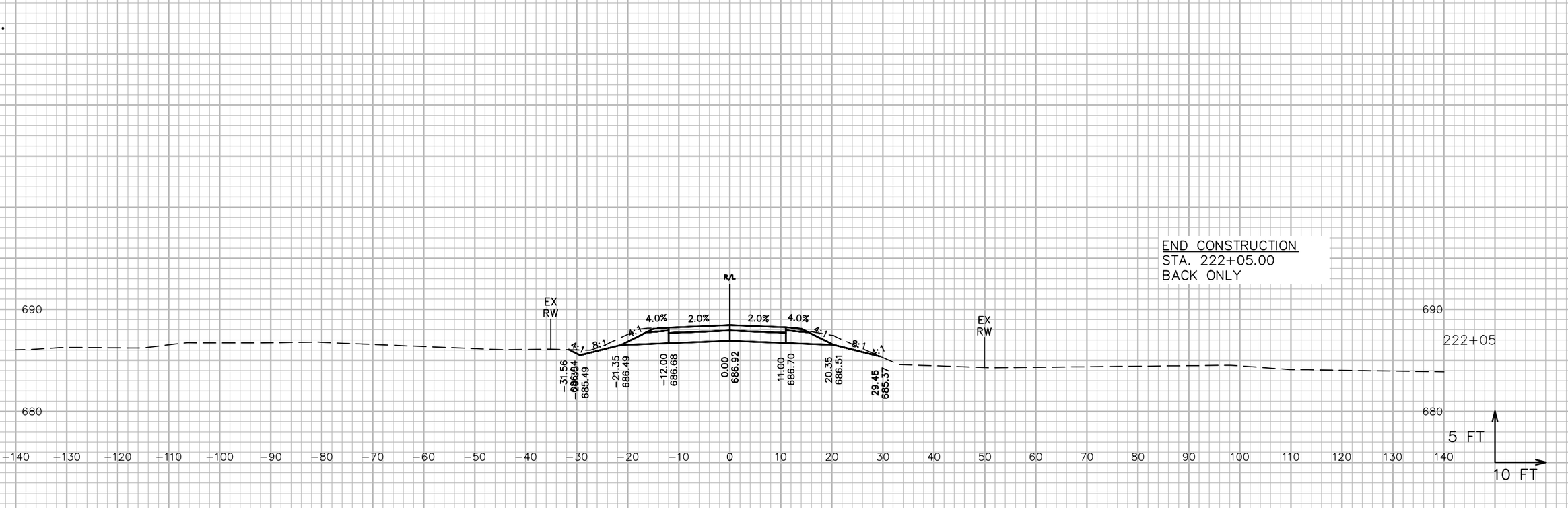
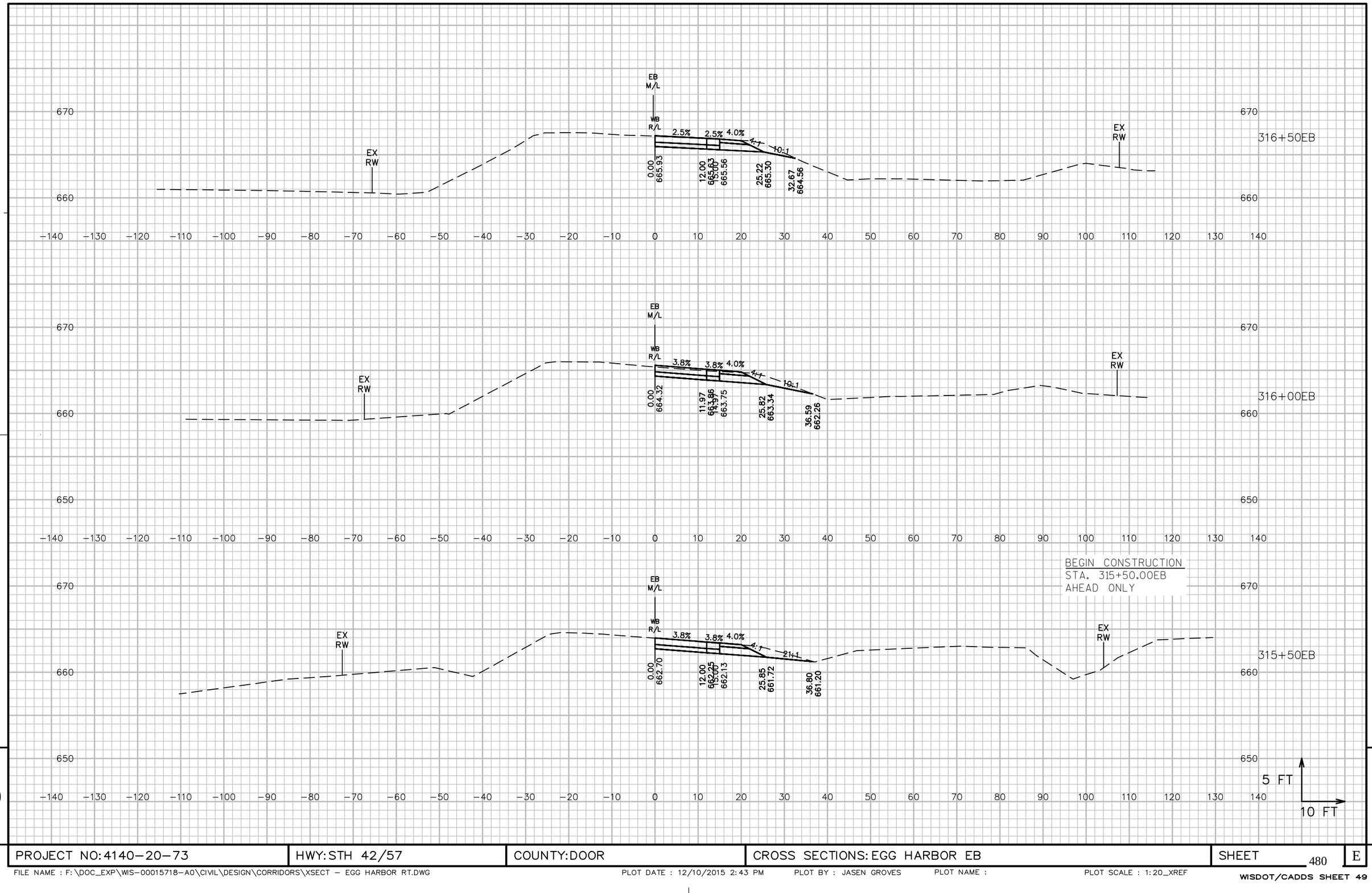
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: ALABAMA STREET	SHEET 478	E

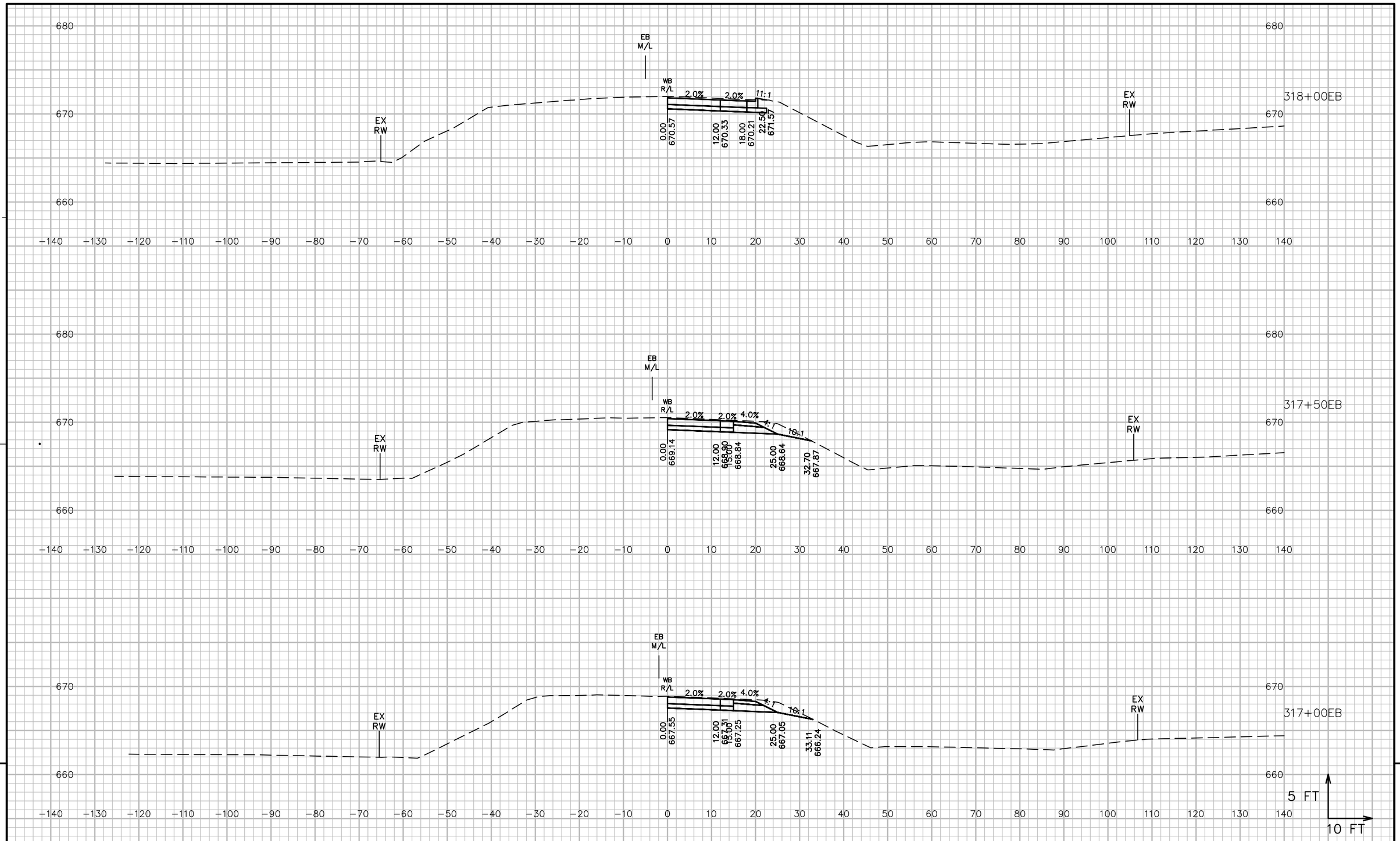
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - ALABAMA INTERSECTION.DWG PLOT DATE : 12/10/2015 2:27 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: ALABAMA STREET	SHEET 479	E



PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR EB	SHEET 480	E



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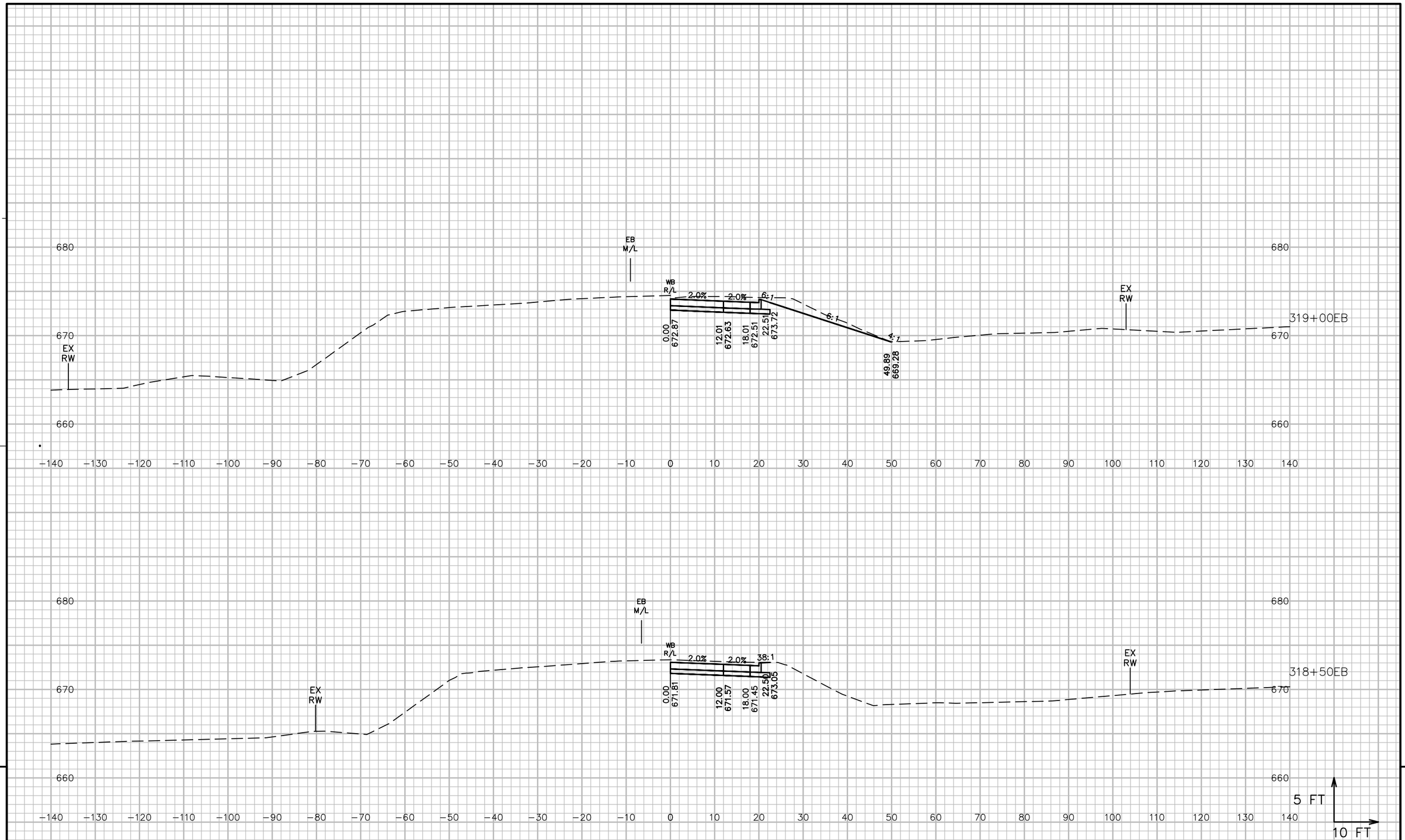
PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR EB	SHEET 481	E

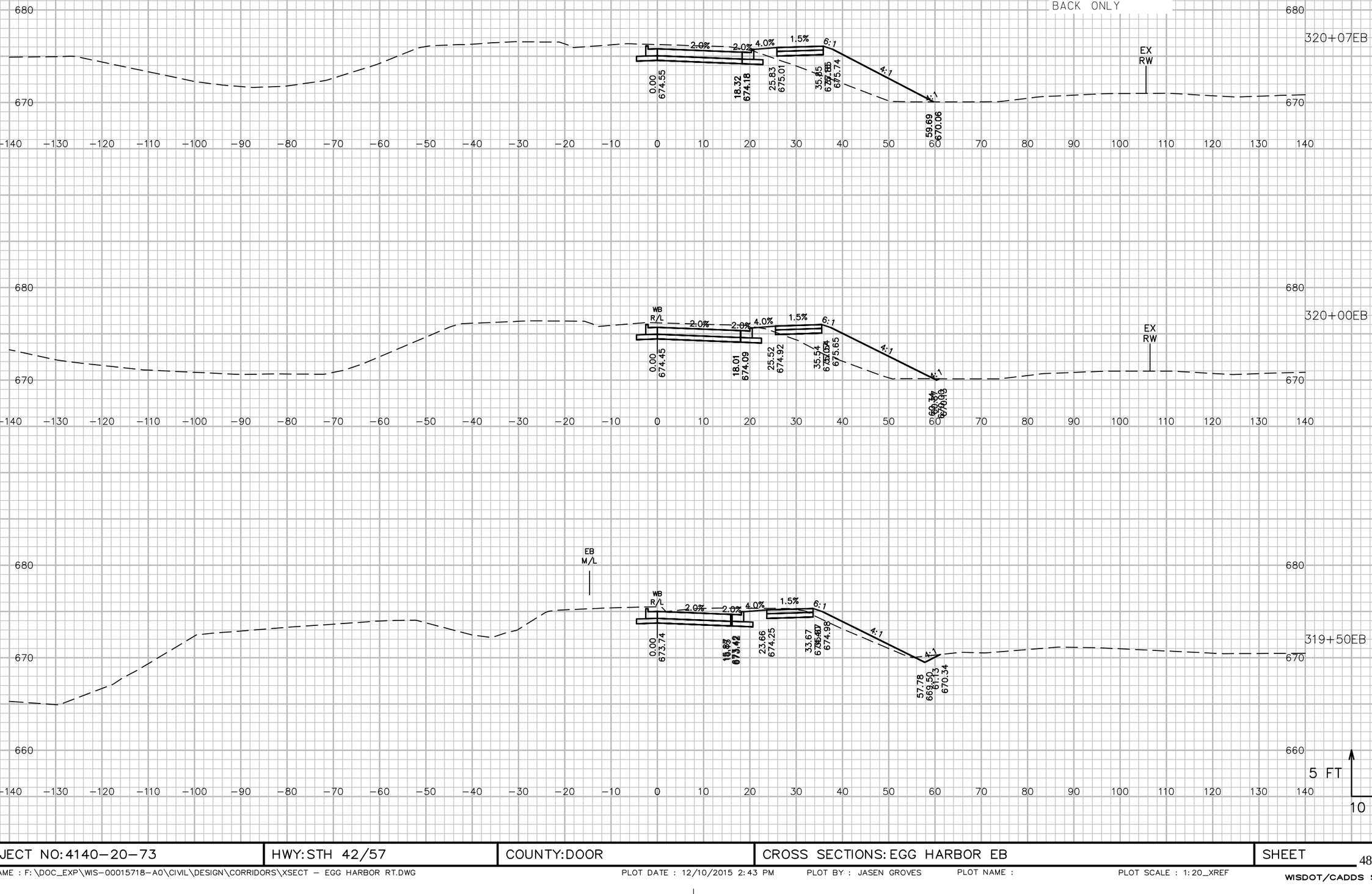
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR RT.DWG PLOT DATE : 12/10/2015 2:43 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

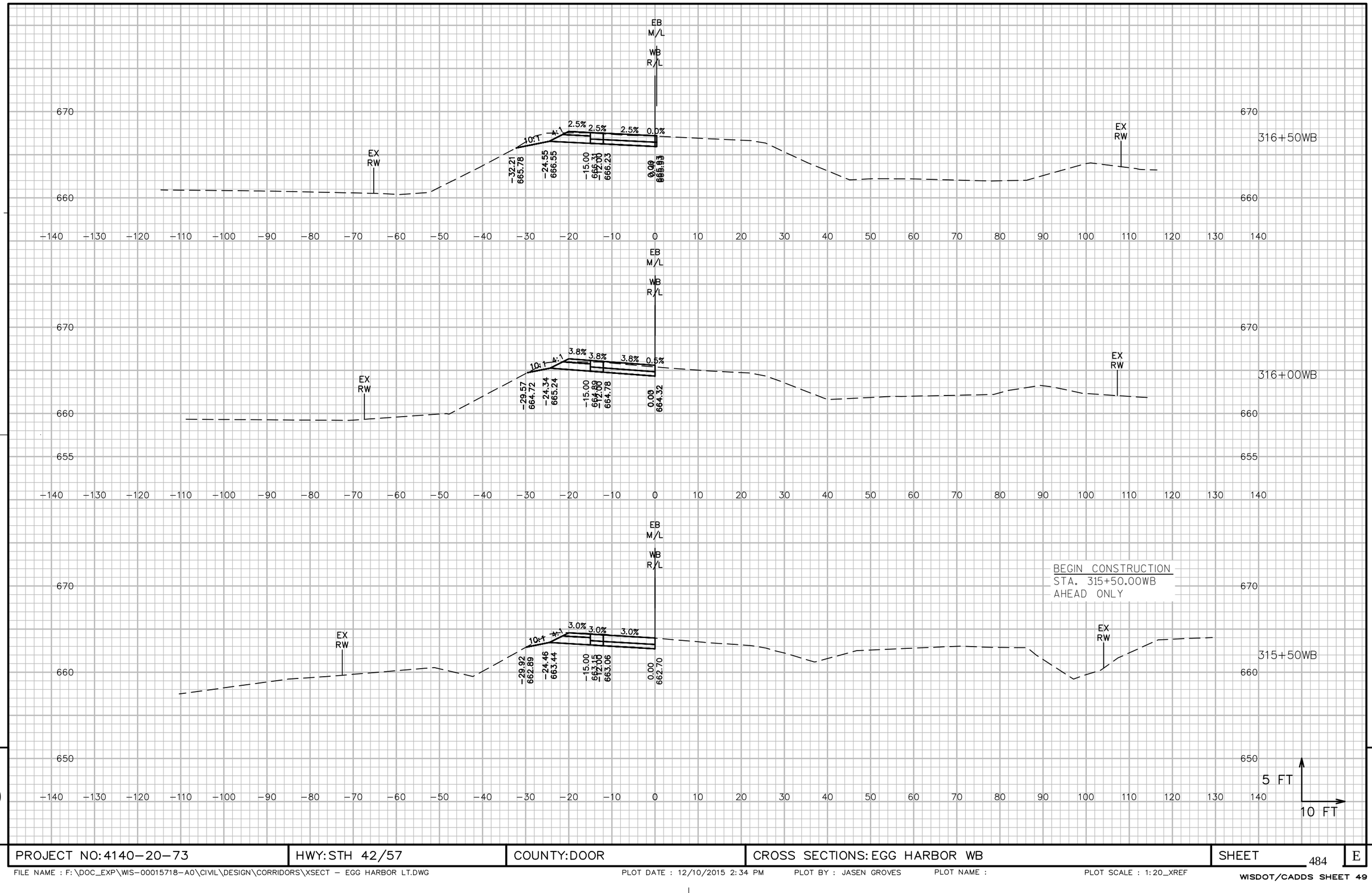


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR EB	SHEET 482	E

END CONSTRUCTION
STA. 320+07.06EB
BACK ONLY

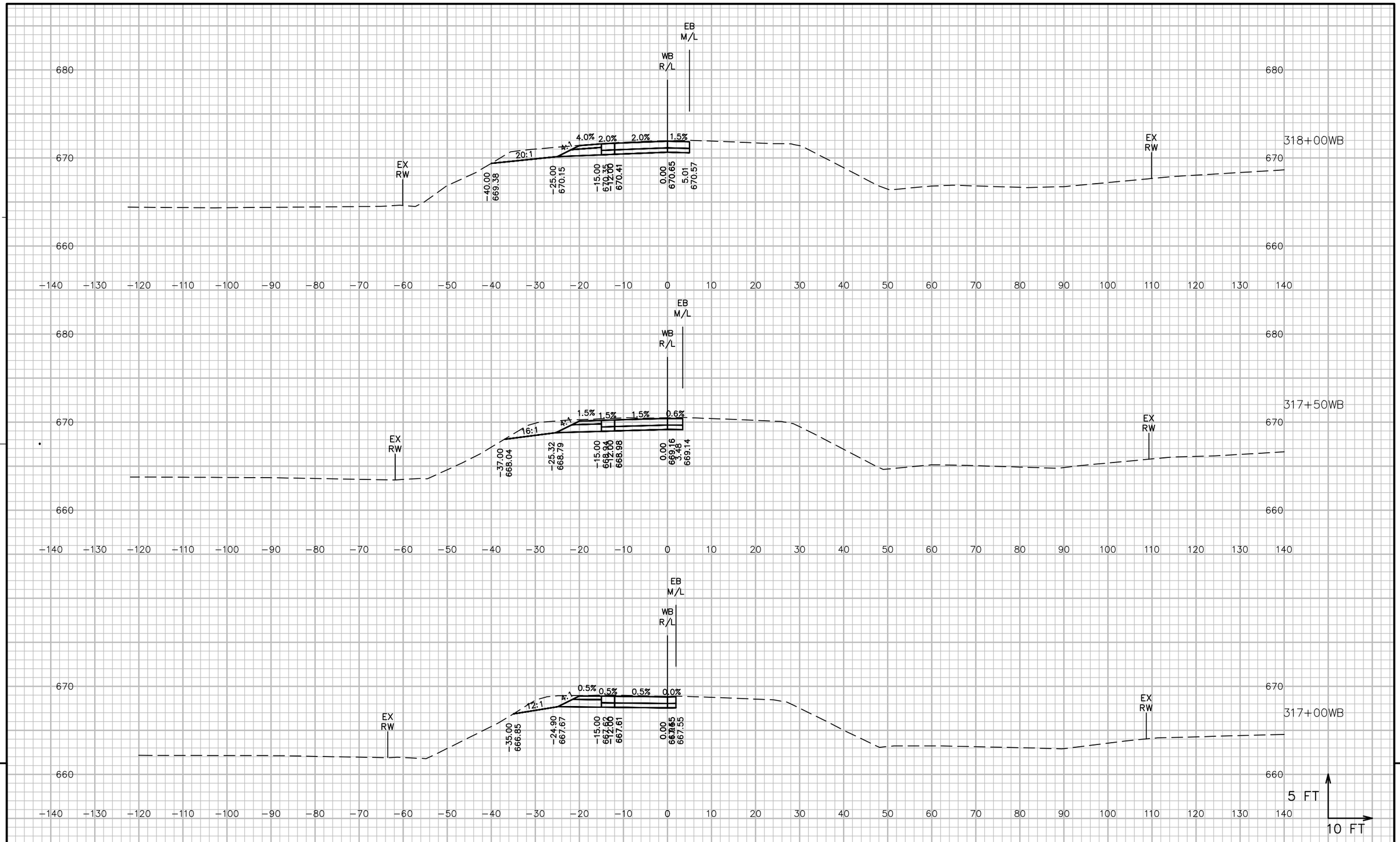


PROJECT NO: 4140−20−73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR EB	SHEET 483	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR WB	SHEET 484	E

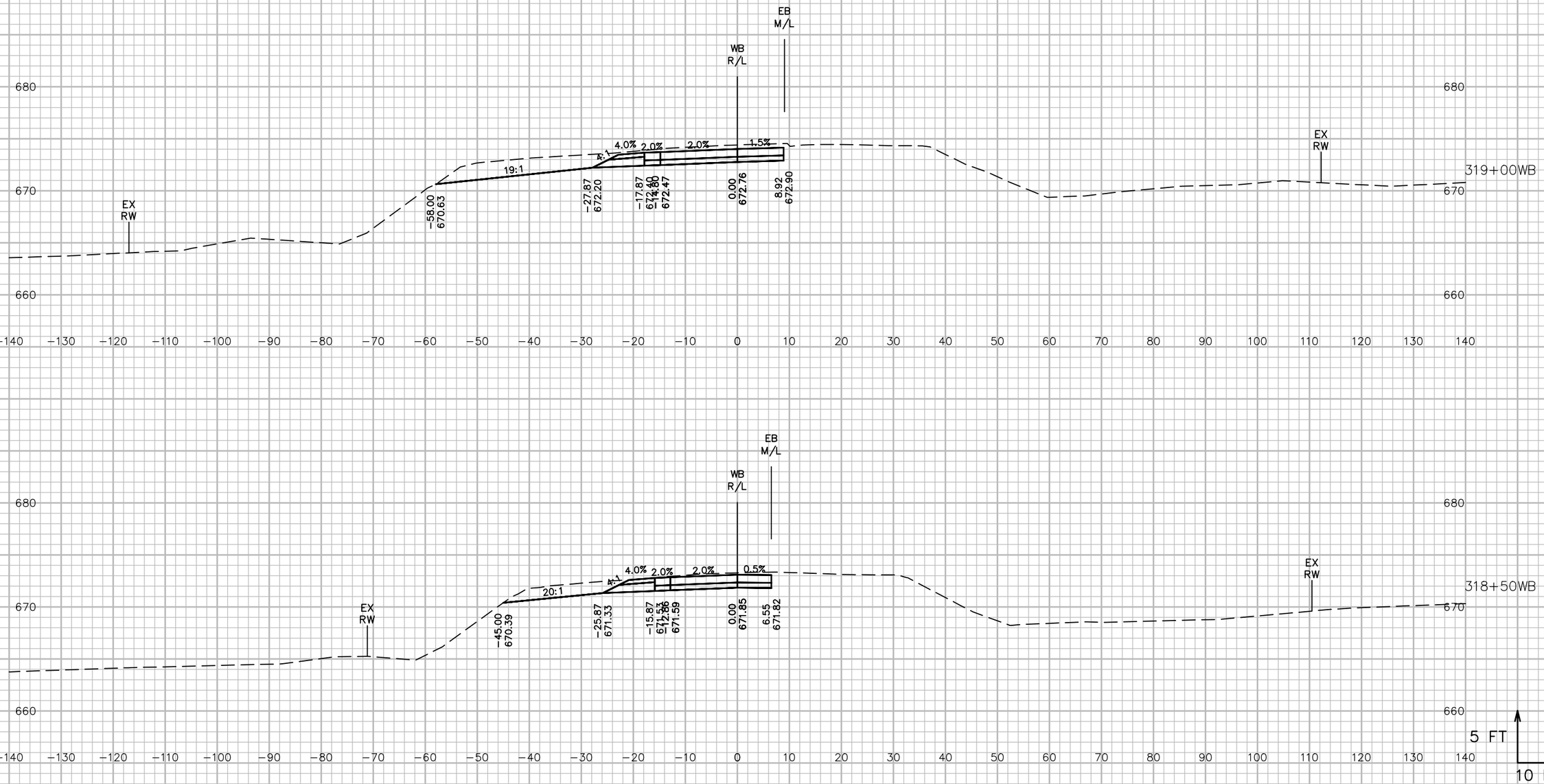
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR LT.DWG PLOT DATE : 12/10/2015 2:34 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR WB	SHEET 485 E

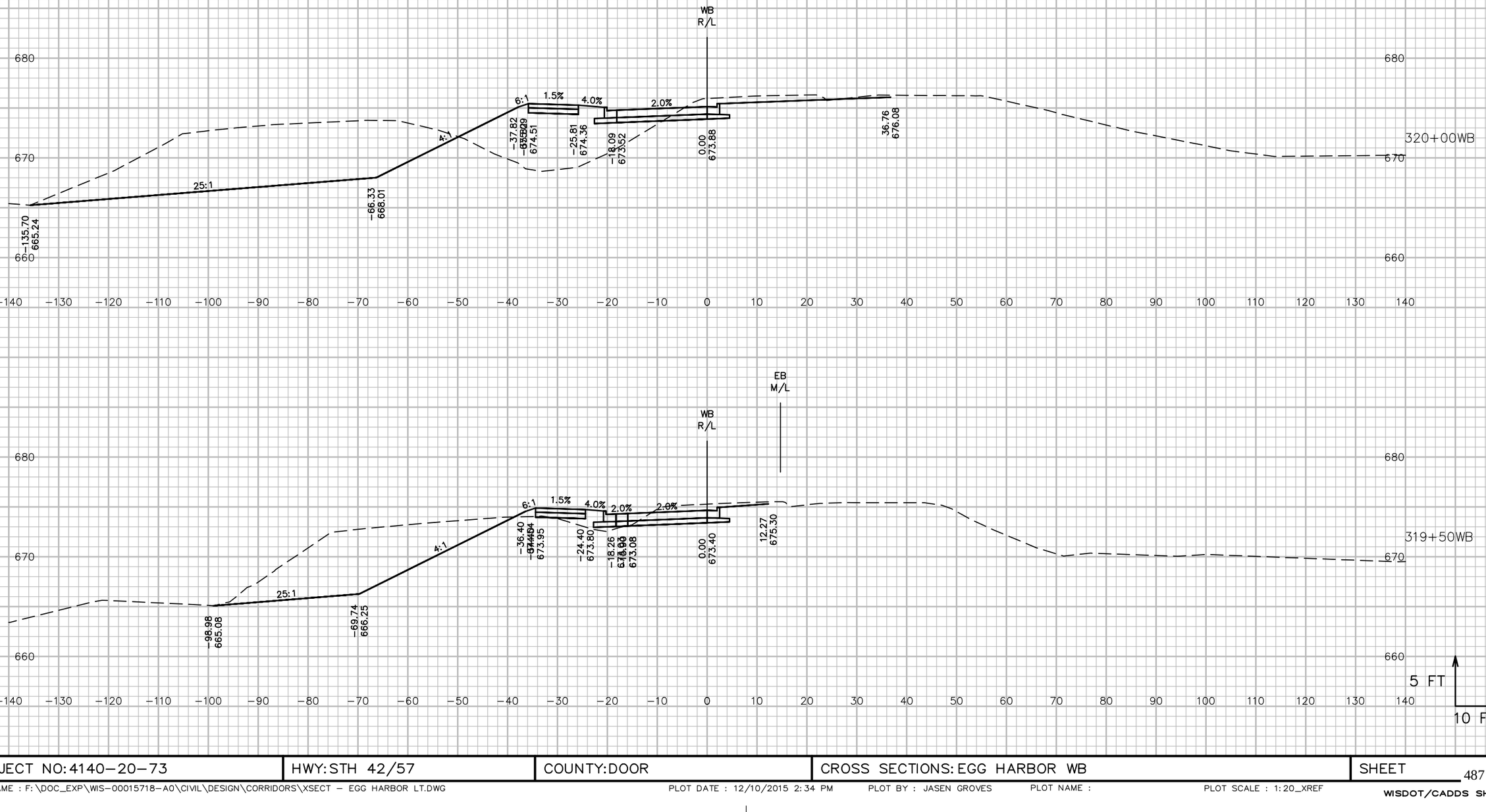
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR LT.DWG PLOT DATE : 12/10/2015 2:34 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR WB	SHEET 486	E

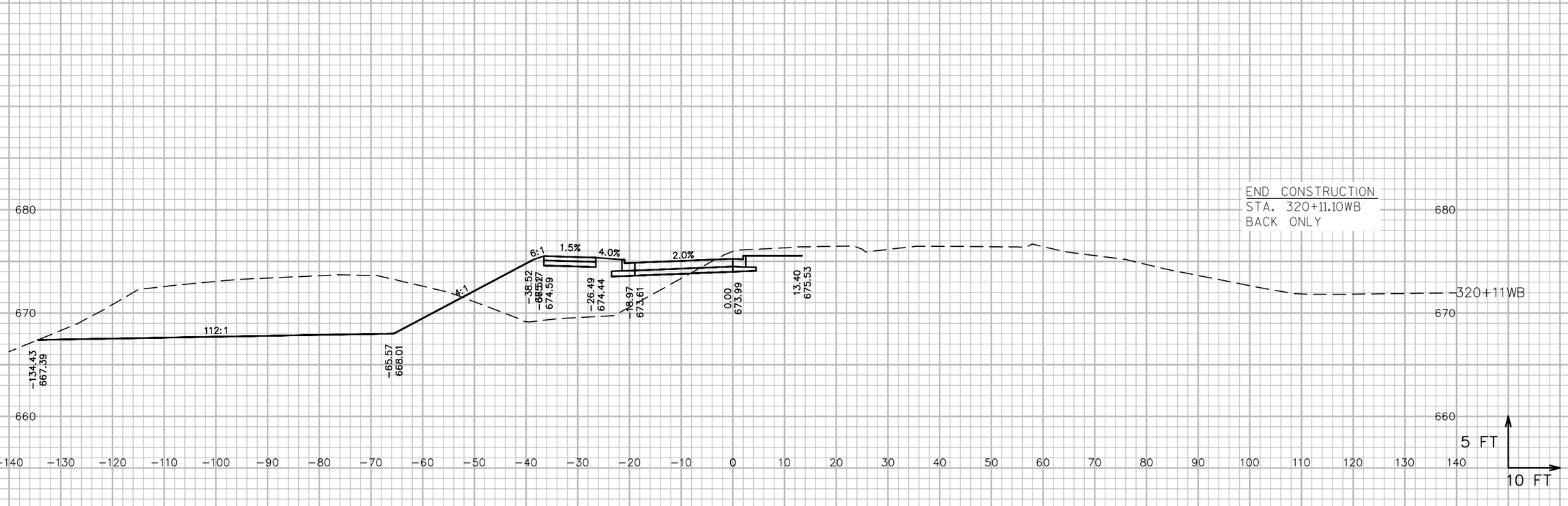
FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR LT.DWG PLOT DATE : 12/10/2015 2:34 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF



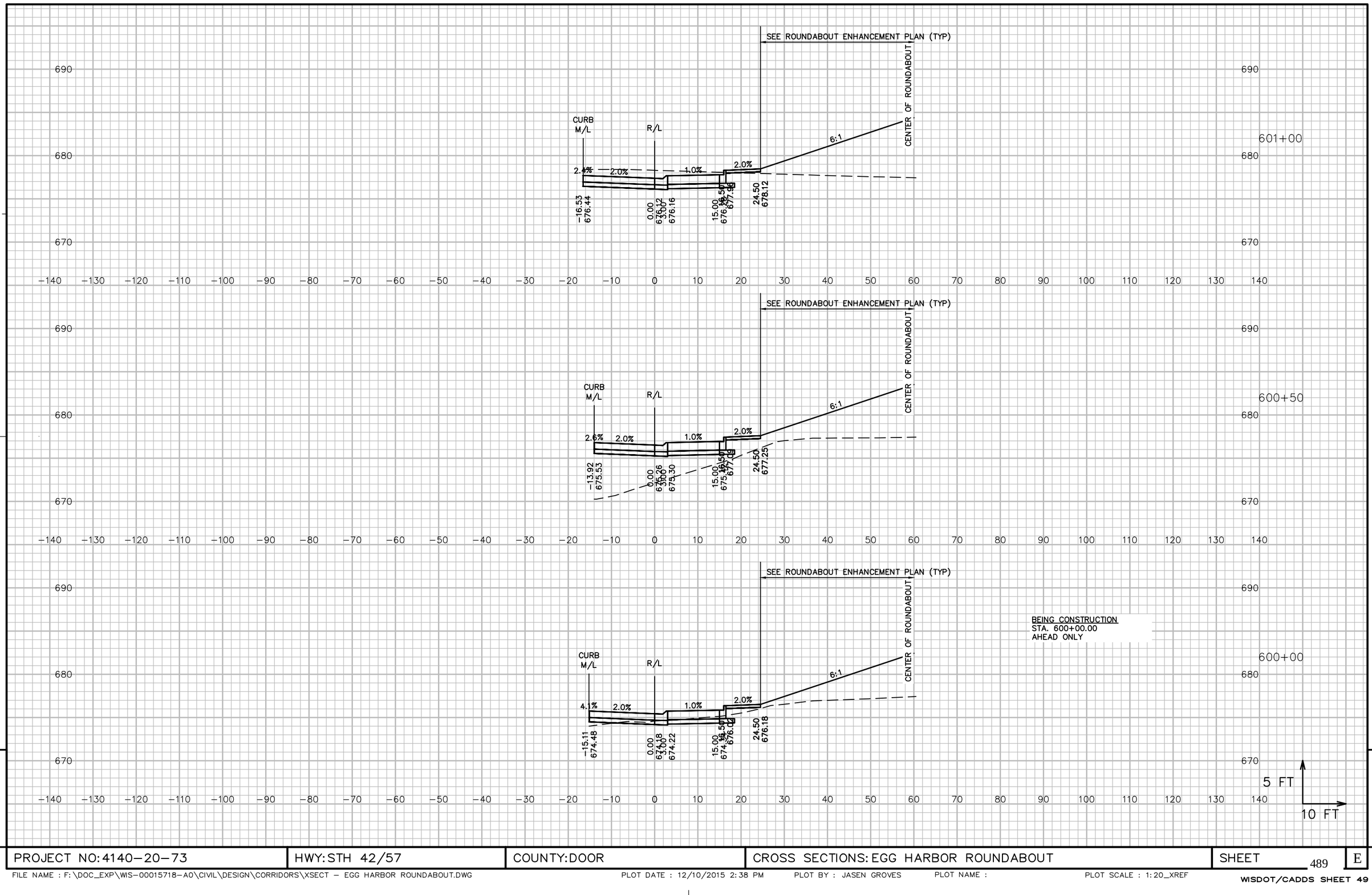
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR WB	SHEET 487	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR LT.DWG PLOT DATE : 12/10/2015 2:34 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR WB	SHEET 488	E



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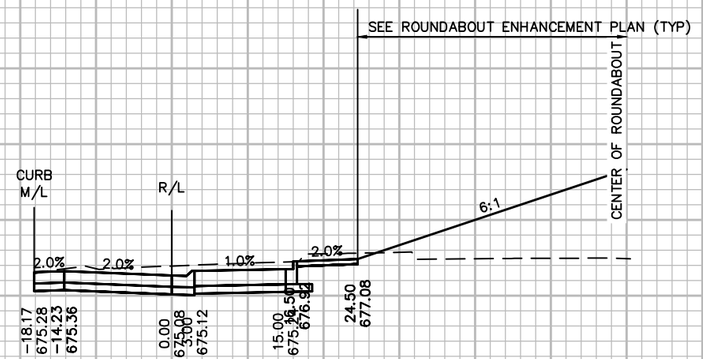
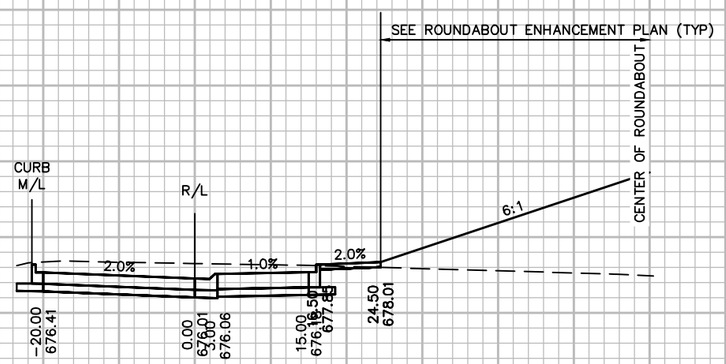
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT	SHEET 489	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:38 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF





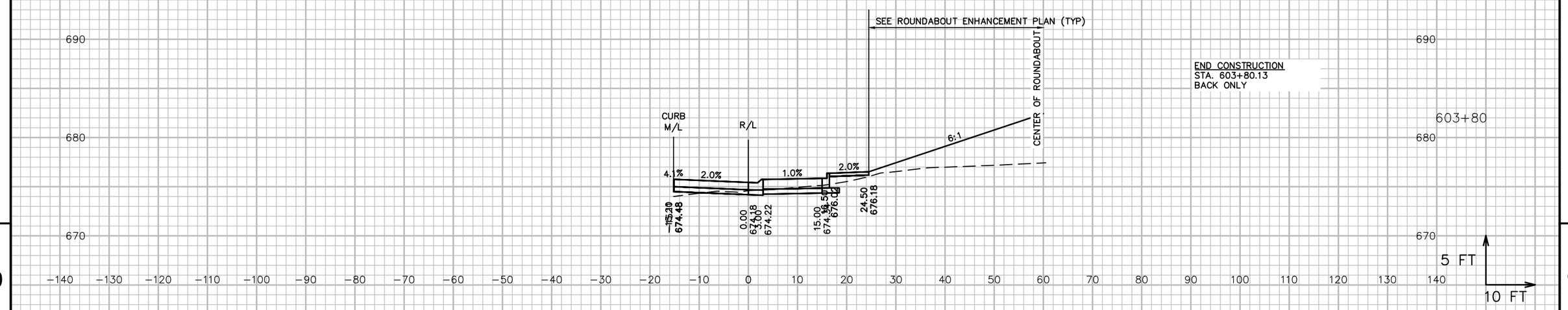
690 680 670 — −140 −130 −120 −110 −100 −90 −80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 — 602+00 — 601+50

5 FT
10 FT

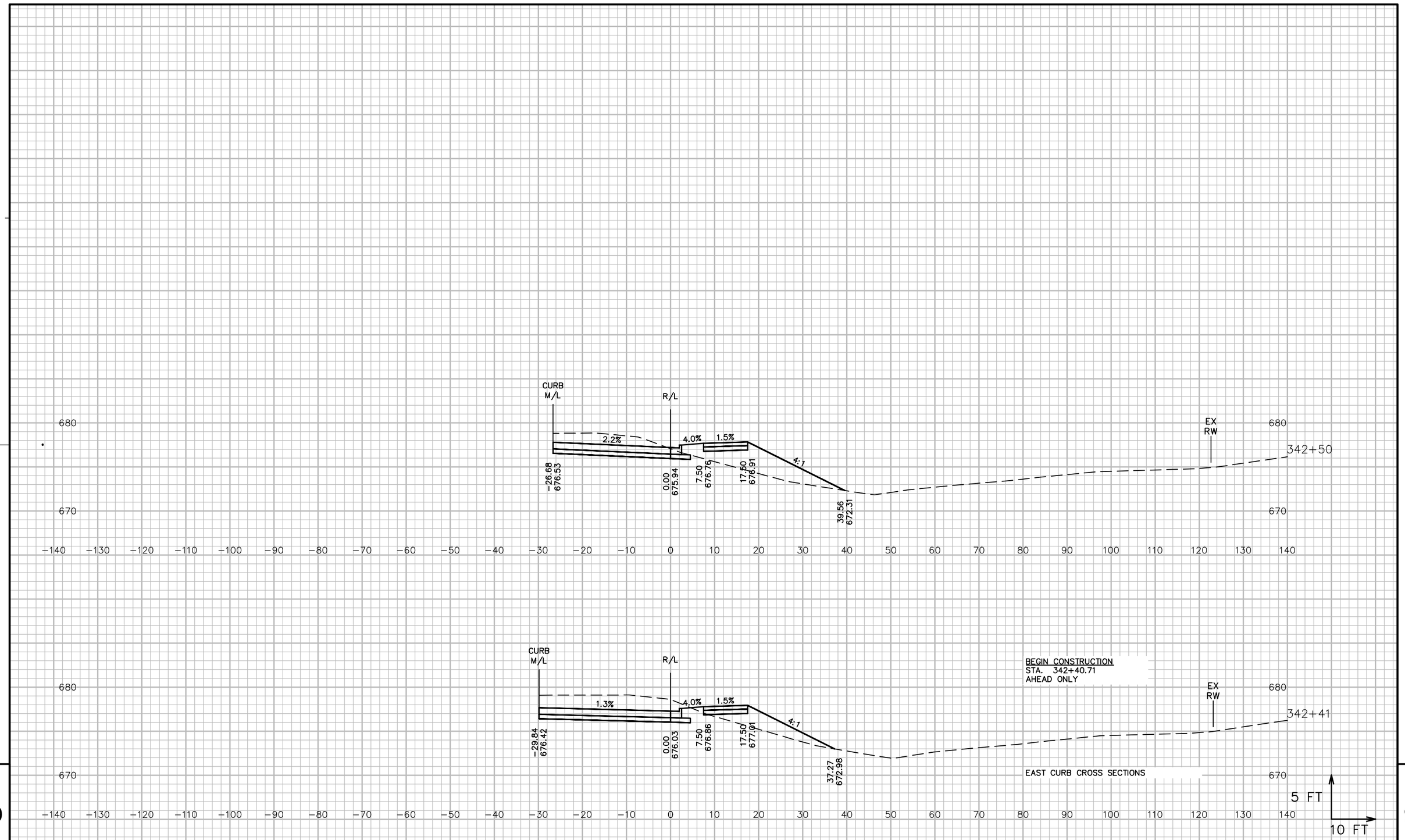
9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT	SHEET 490	E

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT	SHEET 491	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT	SHEET 492	E

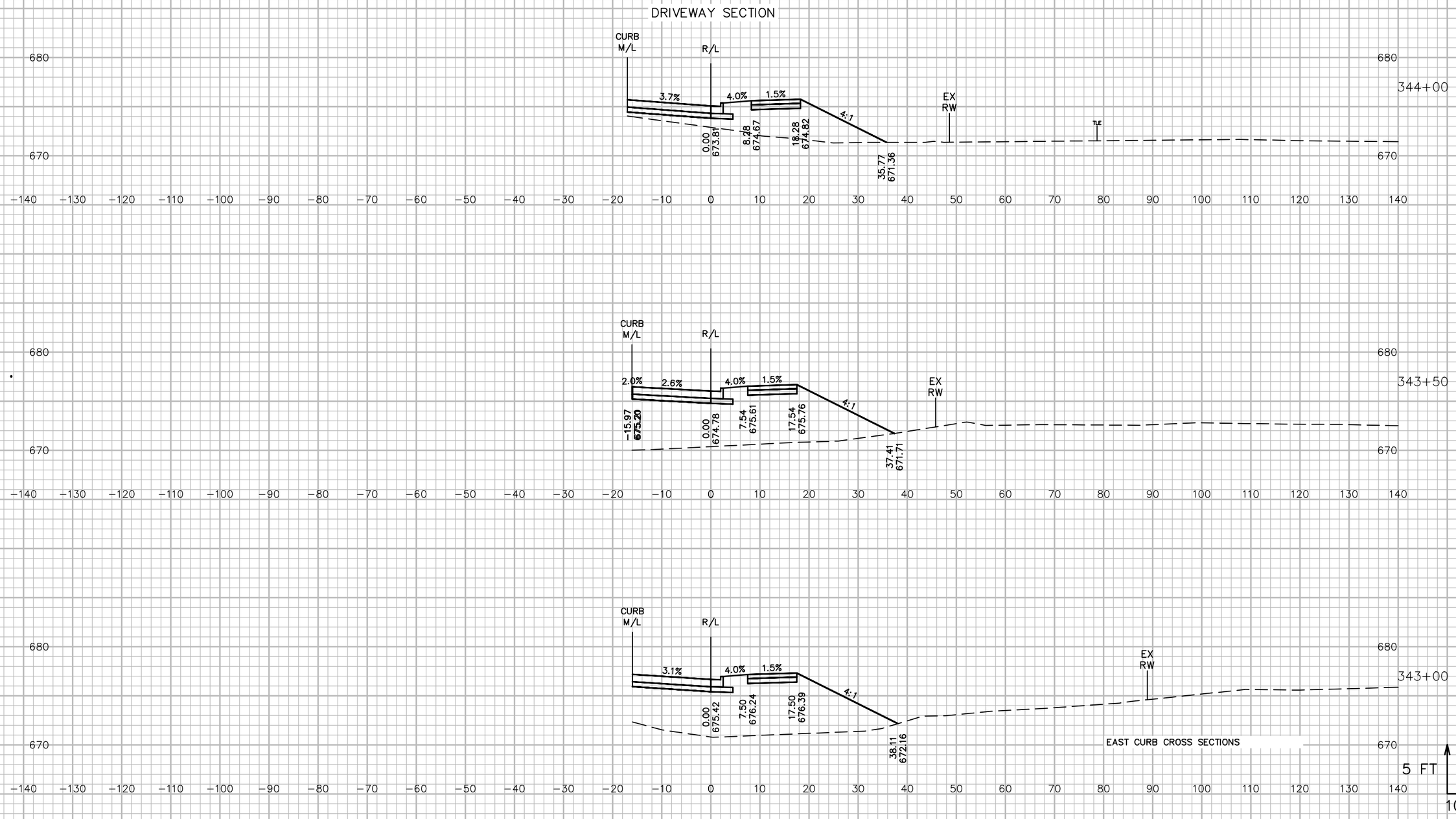


9

9

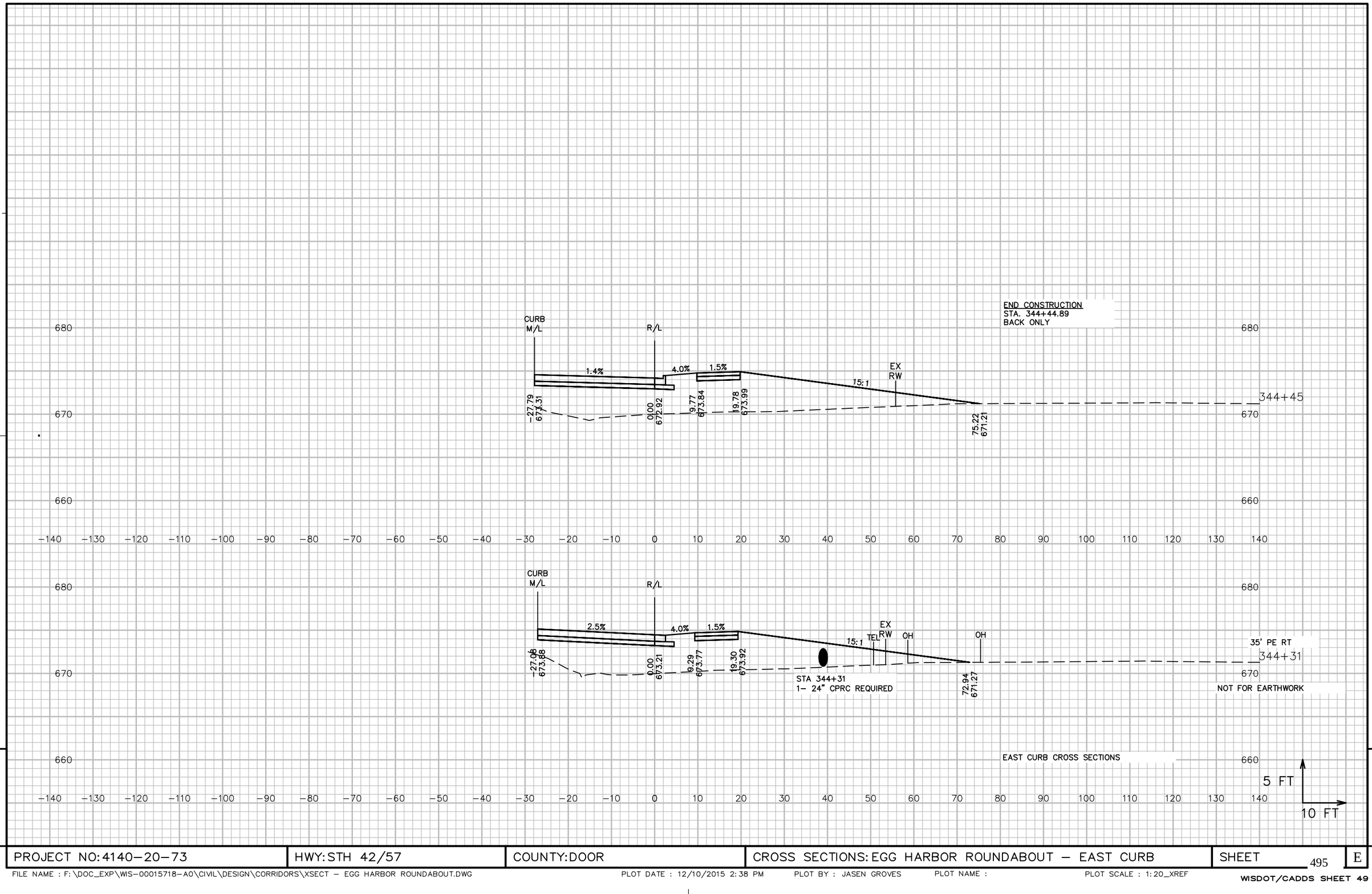
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – EAST CURB	SHEET 493	E

DRIVEWAY SECTION

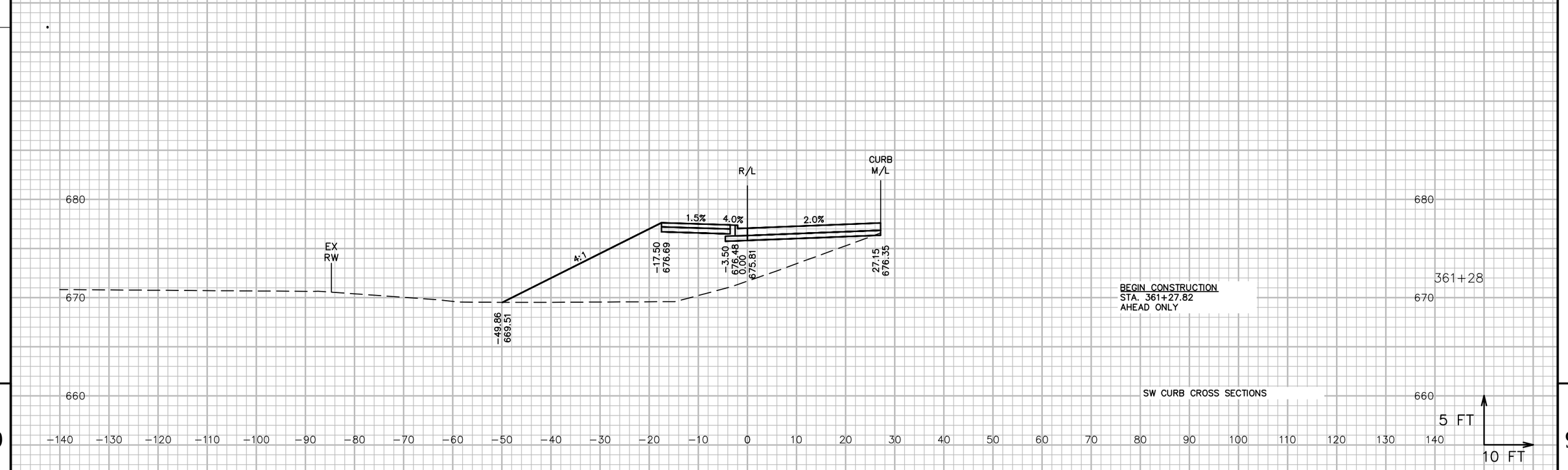


9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – EAST CURB	SHEET 494	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – EAST CURB	SHEET 495	E

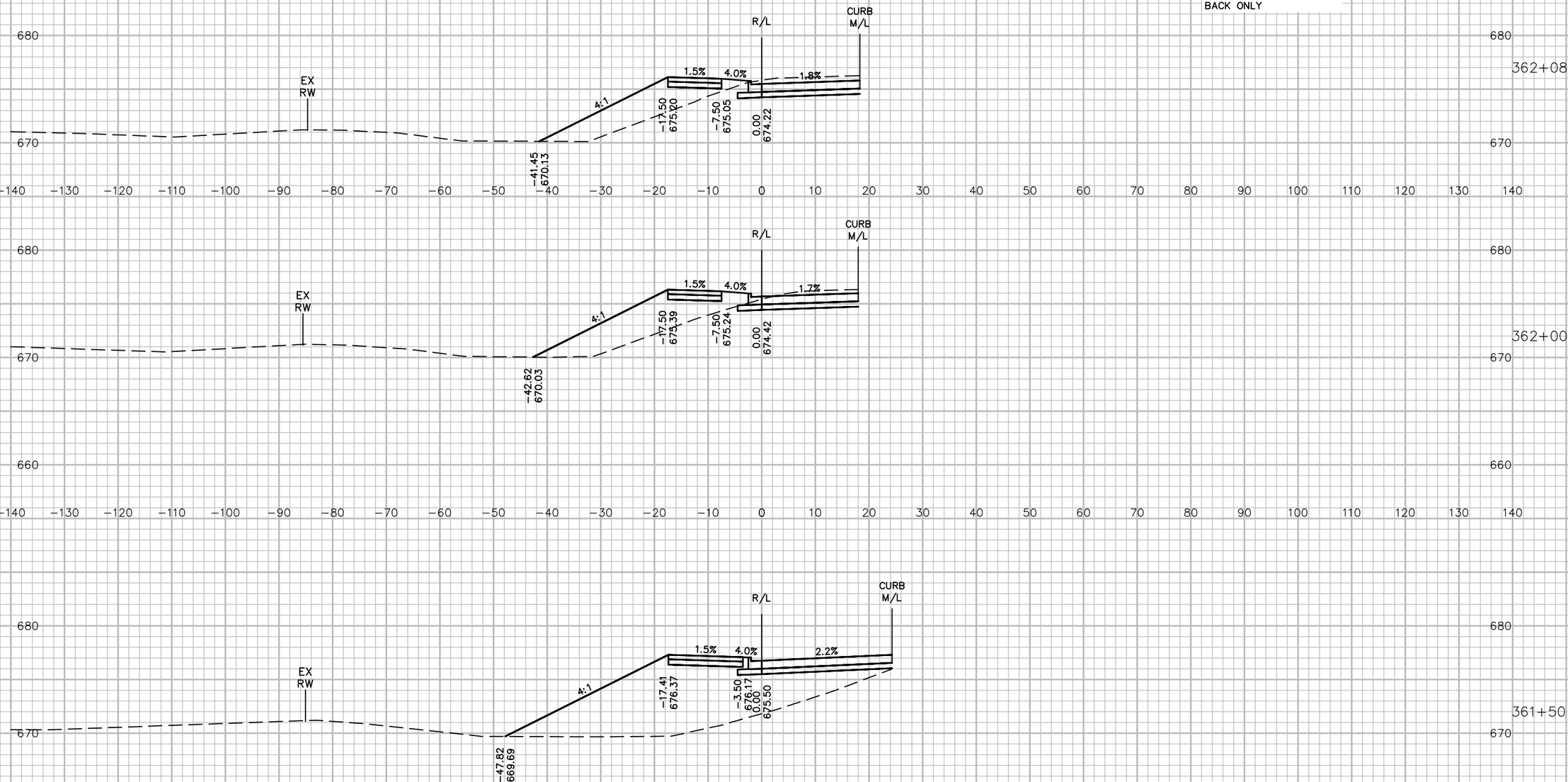


PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – SW CORNER	SHEET 496	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT - EGG HARBOR ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:38 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 362+08.08
BACK ONLY



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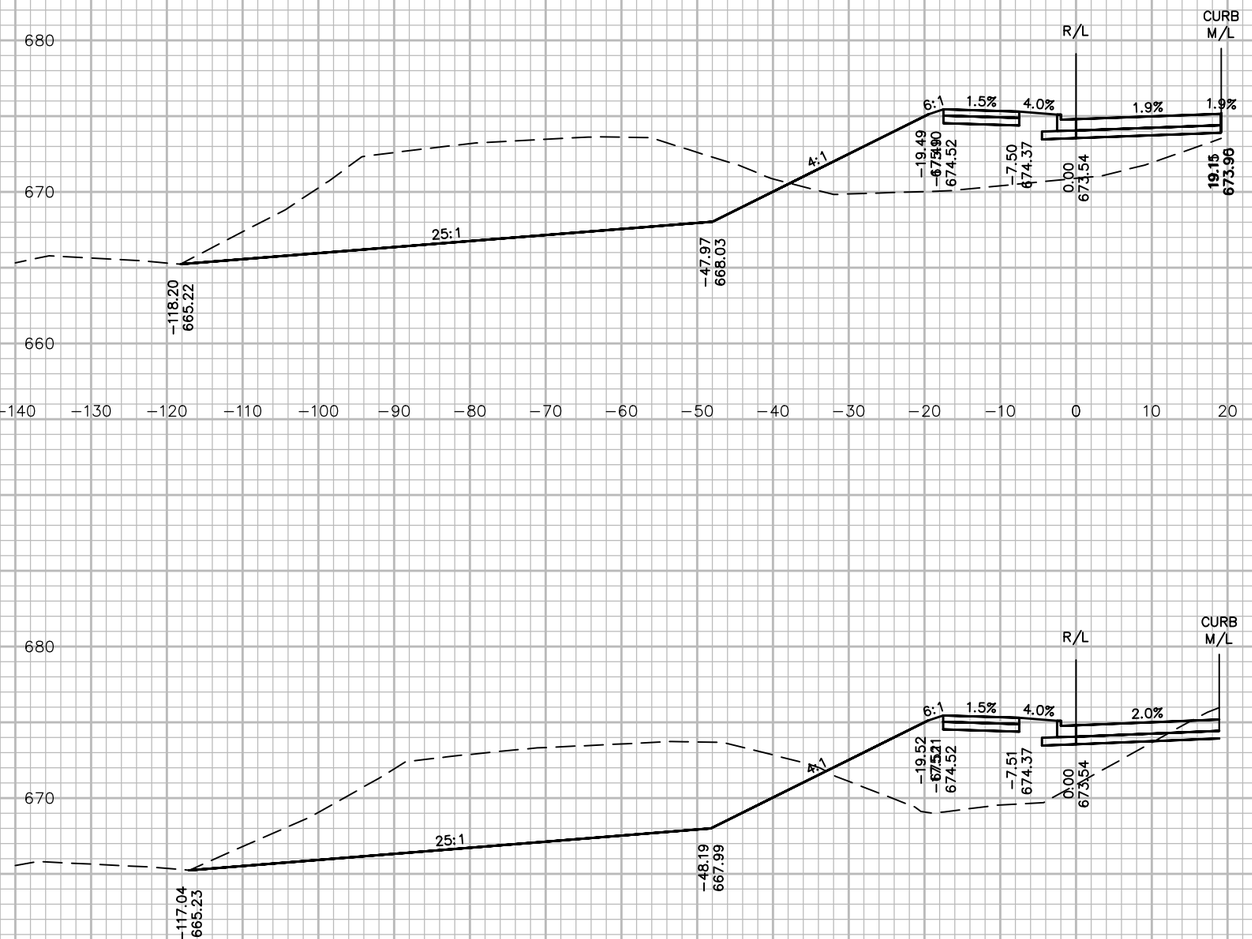
PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – SW CORNER	SHEET 497	E



381+50

381+09

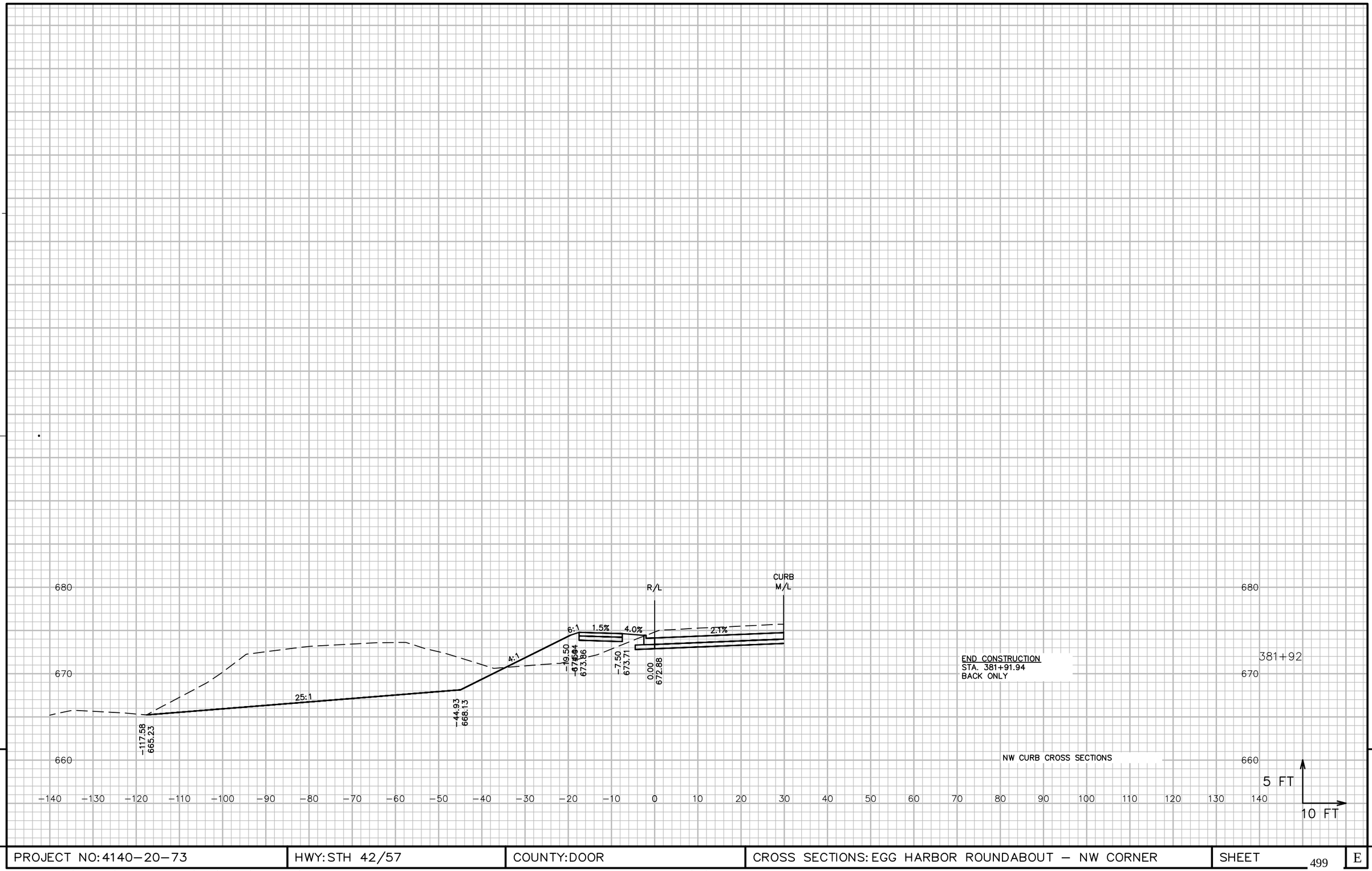
BEGIN CONSTRUCTION
STA. 381+08.59
AHEAD ONLY

NW CURB CROSS SECTIONS

5 FT
10 FT

9 9

PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – NW CORNER	SHEET 498	E



PROJECT NO: 4140-20-73	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: EGG HARBOR ROUNDABOUT – NW CORNER	SHEET 499	E

FILE NAME : F:\DOC_EXP\WIS-00015718-A0\CIVIL\DESIGN\CORRIDORS\XSECT – EGG HARBOR ROUNDABOUT.DWG PLOT DATE : 12/10/2015 2:38 PM PLOT BY : JASEN GROVES PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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