

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WILL BE FILLED WITH GRANULAR BACKFILL.

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

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

ALL PRIVATE EXISTING UTILITIES NOT INCLUDED IN THE PLAN ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED. STORM SEWER MANHOLES WILL BE ADJUSTED AND PAID FOR AS A CONTRACT BID ITEM.

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

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

CURB AND GUTTER ELEVATIONS ARE GIVEN TO THE FLANGE LINE, CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE LINE OF CURB.

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER ADJACENT TO CONCRETE PAVEMENT.

1/2-INCH FELT EXPANSION JOINT MATERIAL IS REQUIRED BETWEEN BACK OF CURB AND FRONT OF WALK OR DRIVEWAY APRON.

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

ADJUSTING MANHOLES TO FINAL GRADE SHALL BE COMPLETED AFTER PAVING OF THE LOWER ASPHALTIC PAVEMENT LAYER.

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

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

ELEVATIONS OF STORM SEWER STRUCTURES IN CURB AND GUTTER SECTIONS REFER TO FLOW LINE OF THE CURB AND GUTTER.

LOCATIONS AND ELEVATIONS OF STORM SEWER STRUCTURES NOT IN CURB AND GUTTER SECTIONS REFER TO THE CENTER OF THE COVER.

PLAN LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND IS USED FOR ESTIMATING. PIPE LENGTH USED TO COMPUTE PIPE SLOPE IS MEASURED ALONG THE WALL OF THE STRUCTURE.

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

DO NOT USE FERTILIZER IN AREAS THAT ARE WITHIN 10 FEET OF WETLANDS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED BY DIRECTION OF THE ENGINEER WITH THE FOLLOWING FINISHING ITEMS: SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING 5 FEET BEYOND THE SLOPE.

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

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS. EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

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

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

MUNICIPAL OWNED STREET SIGNS WILL BE REMOVED, STORED AND REINSTALLED BY THE MUNICIPALITY.

NON-MUNICIPAL OWNED SIGNS TO BE MOVED WILL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE REINSTALLED.

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

A CONVERSION FACTOR OF 2.1 TONS/CY WAS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH, 2.0 TONS/CY FOR BASE AGGREGATE DENSE 1 1/4-INCH AND 1.9 TONS/CY FOR SELECT CRUSHED MATERIAL

A CONVERSION FACTOR OF 118 LB/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

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

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC
AE, AEW	APRON ENDWALL
BC	BACK OF CURB
BIT	EXISTING BITUMINOUS
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
CONST	CONSTRUCTION
ESMT	EASEMENT
FC	FACE OF CURB
FHWA	FEDERAL HIGHWAY
HE	HORIZONTAL ELLIPTICAL
HP	HIGH POINT
K	RATE OF VERTICAL CURVATURE
LP	LOW POINT
MAX	MAXIMUM
MGAL	1000 GALLONS
MIN	MINIMUM
PASS	PIPE ARCH SMOOTH STEEL
PGL	PROFILE GRADE LINE
SSRPC	STORM SEWER PIPE REINFORCED CONCRETE
VLV	VALVE

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ASPHALT SPECIFICATIONS

TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIUM AGGREGATE GRADATIONS	TRAFFIC	ASPHALT BINDER AND DESIGNATION LEVEL
5.0"	2.0" UPPER	4	MT	58-28-S
	3.0" LOWER	3	MT	58-28-S

ORDER OF SECTION 2 DETAIL SHEETS

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PERMANENT SIGNING PLAN
LIGHTING PLANS
FTMS PLAN
PAVEMENT MARKING PLANS
TRAFFIC CONTROL / STAGE CONSTRUCTION
DETOUR PLANS
ALIGNMENT PLAN

ALIGNMENT NAMING ABBREVIATIONS

ROAD	ABBREVIATION
JEAN NICOLET ROAD	JN
GREEN TREE ROAD	GT
GOOD HOPE SOUTHBOUND ENTRANCE RAMP	GHC

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TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

DIGGERS HOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

PROJECT NO: 1228-16-71

HWY: IH 43

COUNTY: MILWAUKEE

GENERAL NOTES

SHEET:

E

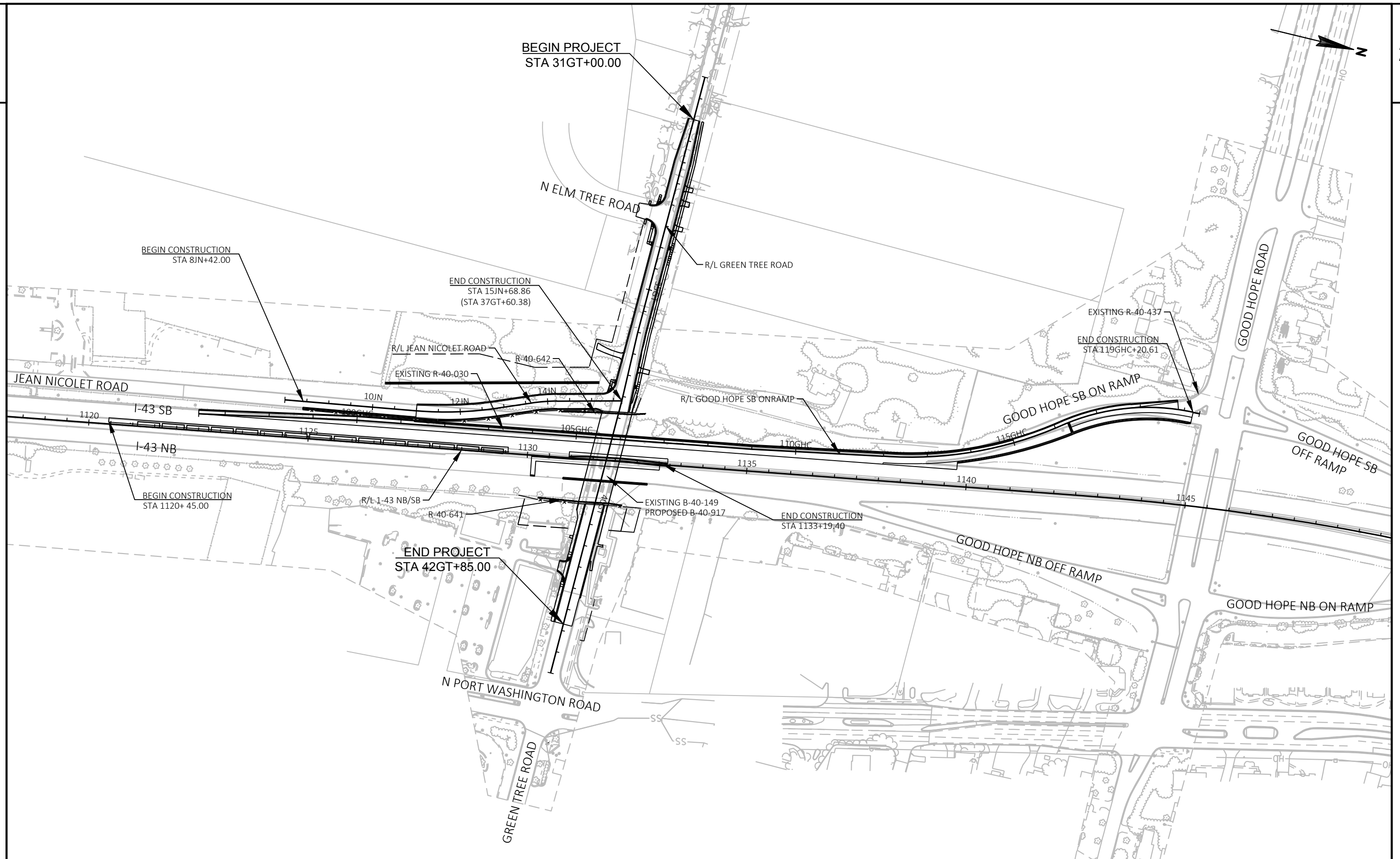
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PLOT NAME : 020101_gn.dwg

PLOT SCALE : 1:1



PROJECT NO: 1228-16-71

HWY: IH-43

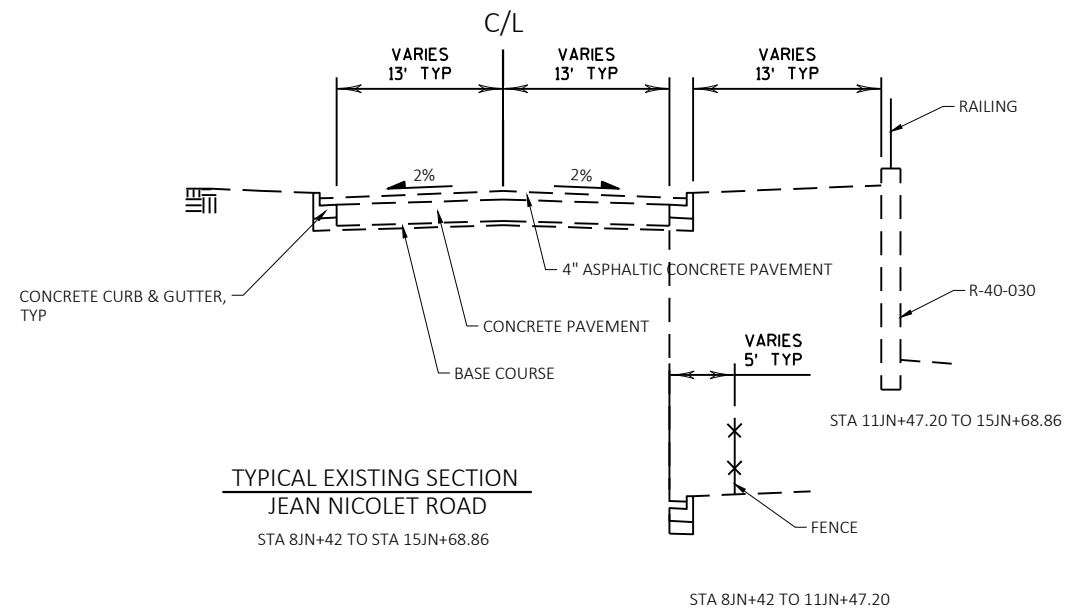
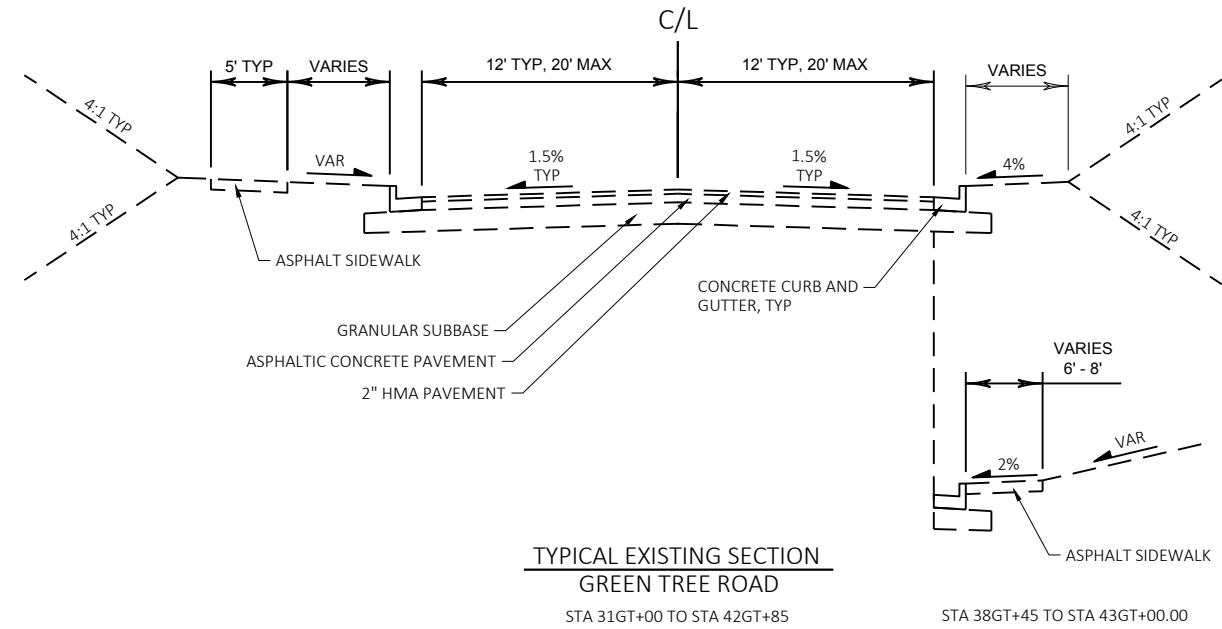
COUNTY: MILWAUKEE

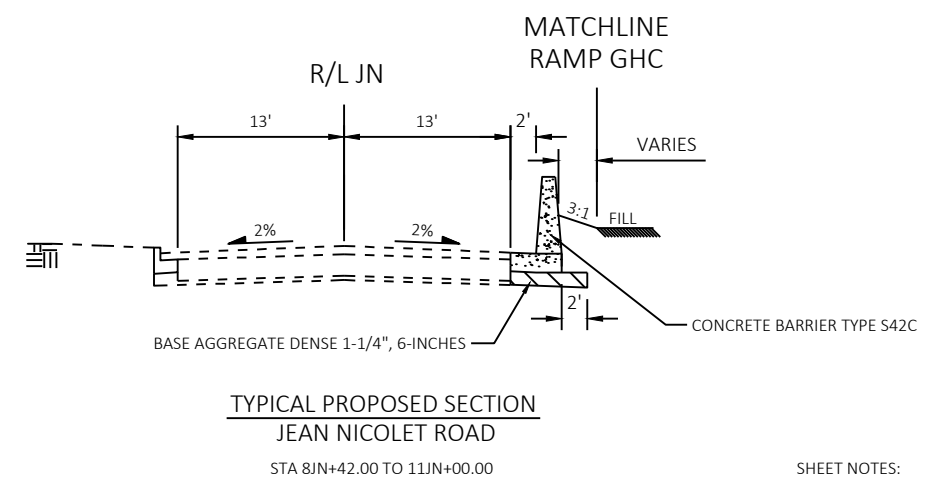
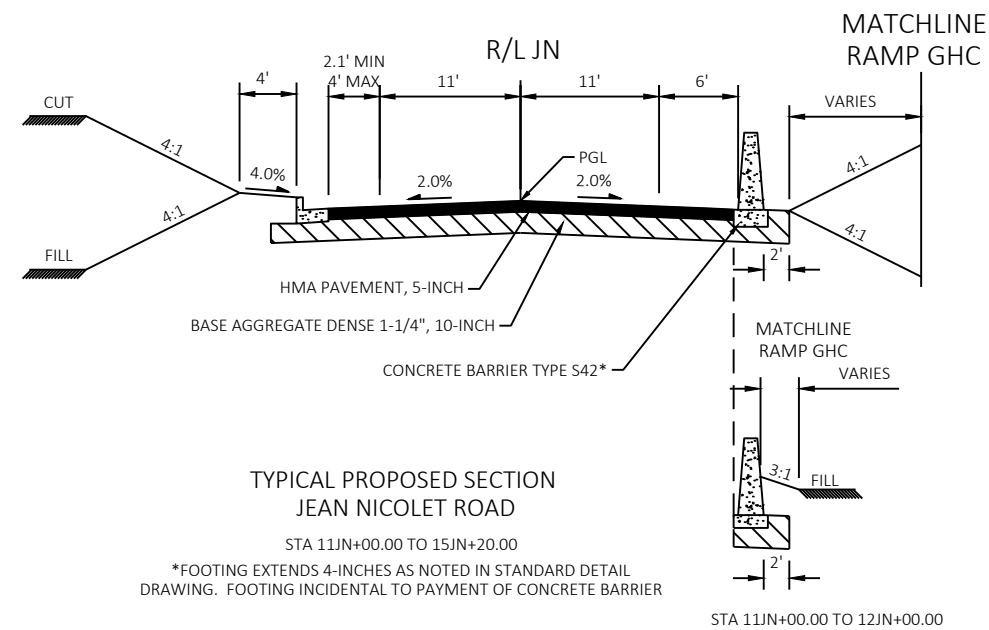
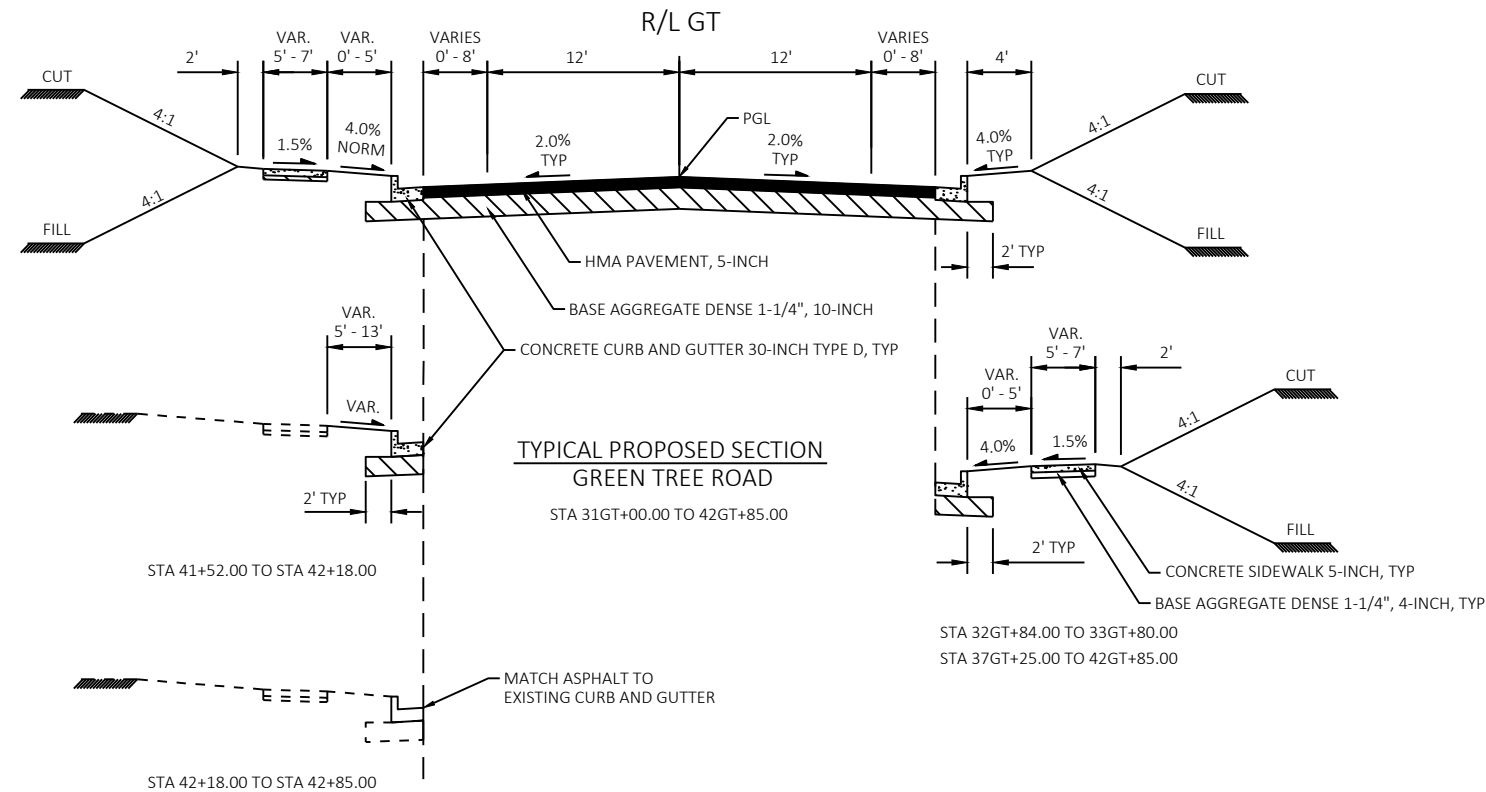
PROJECT OVERVIEW

SHEET

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SHEET NOTES:

PGL = POINT REFERRED TO ON PROFILE AND PIVOT
POINT FOR SUPER ELEVATION

FOR INFORMATION REGARDING RESTORATION
REFER TO THE EROSION CONTROL PLANS AND
FINISHING ITEMS WITHIN THE QUANTITY TABLES

PROJECT NO: 1228-16-71

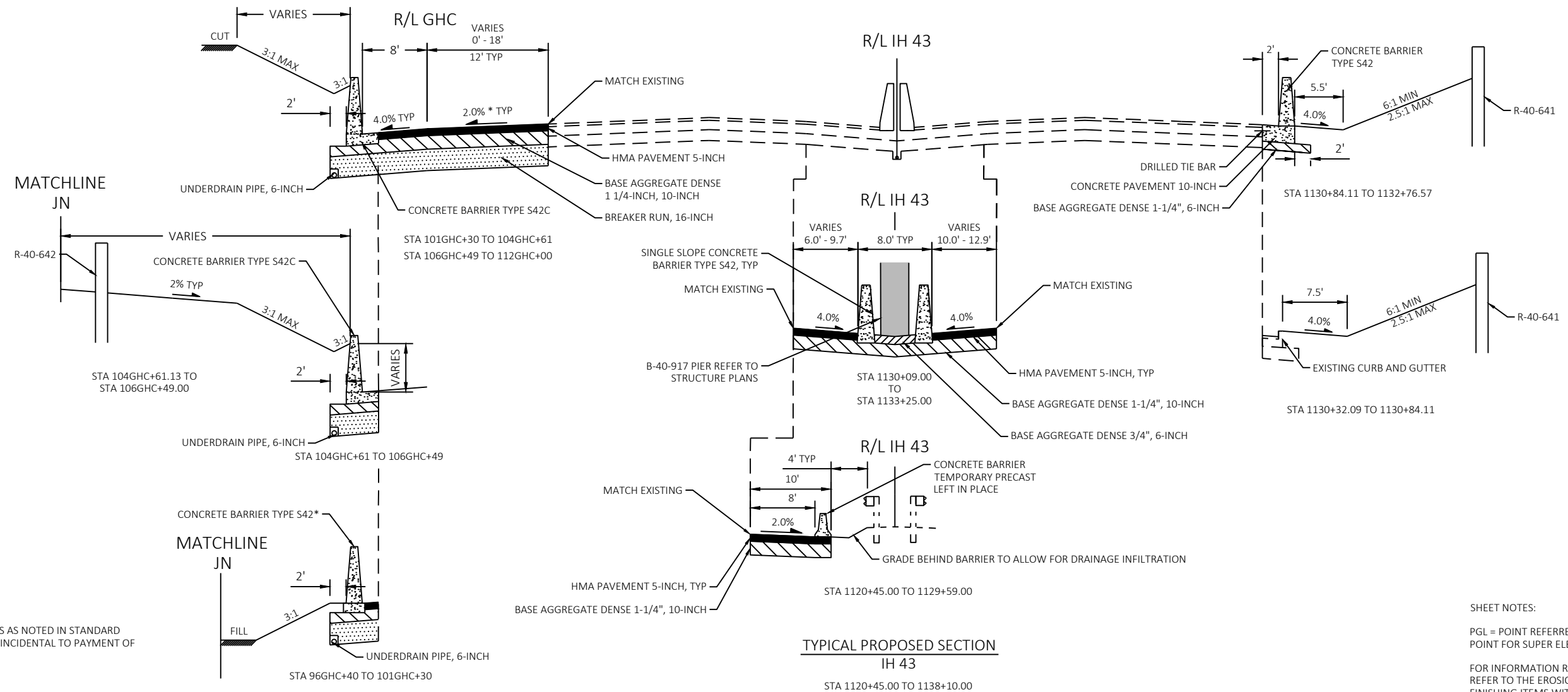
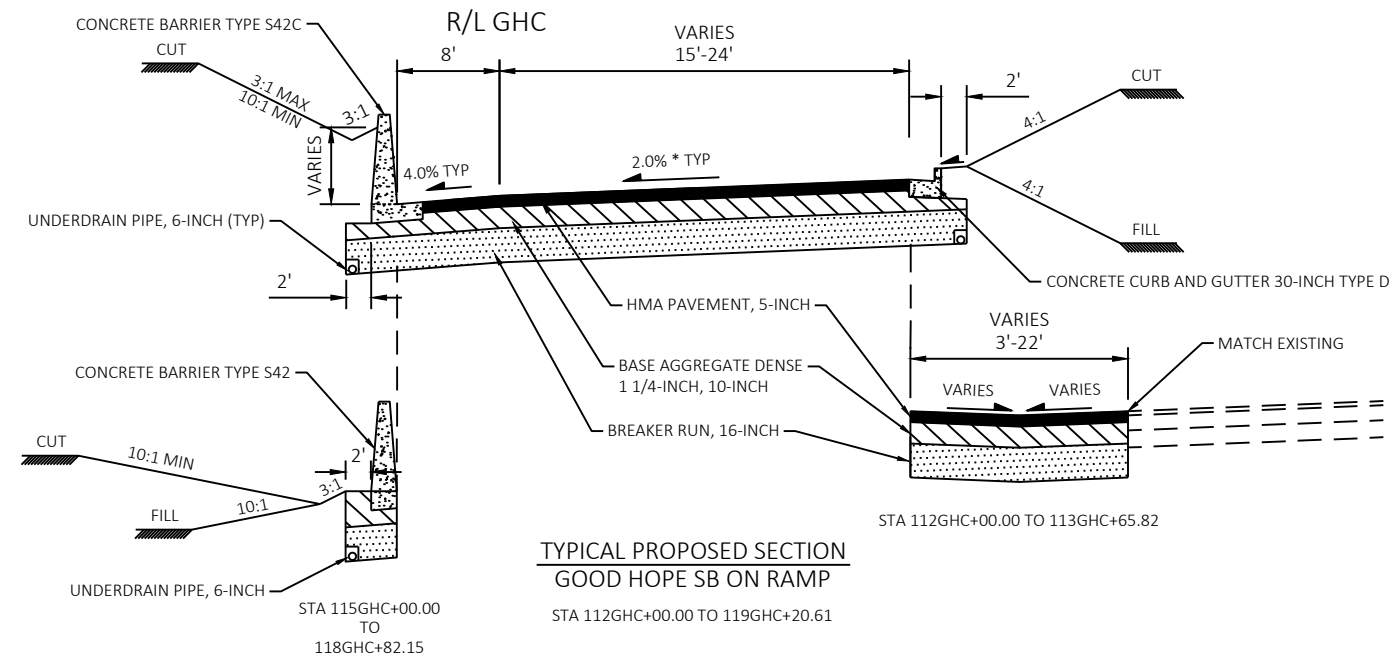
HWY: IH-43

COUNTY: MILWAUKEE

TYPICAL SECTIONS

SHEET

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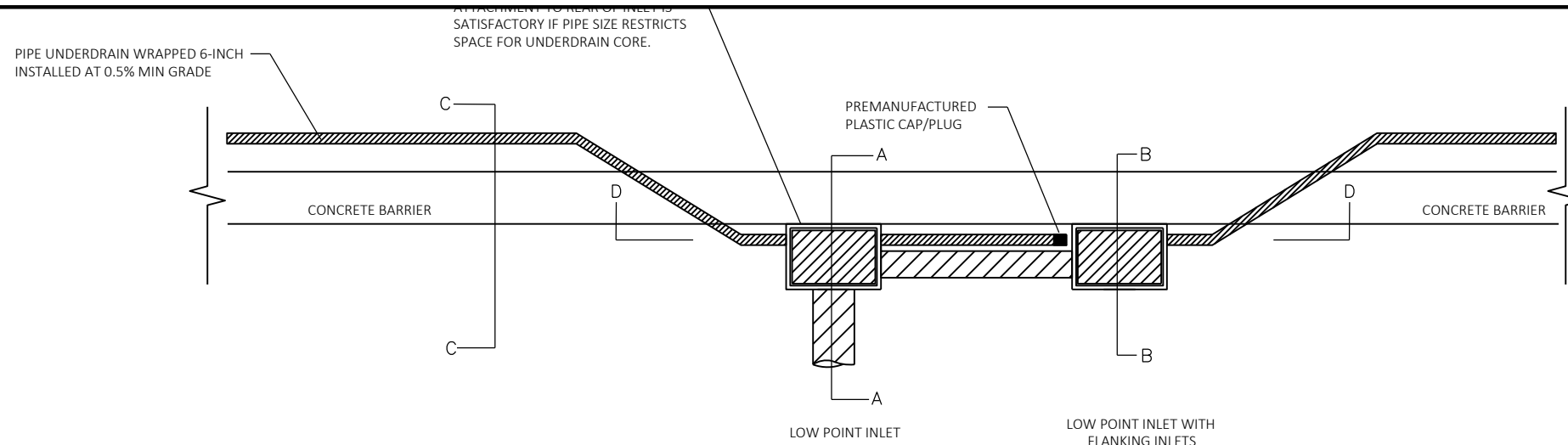


*FOOTING EXTENDS 4-INCHES AS NOTED IN STANDARD
DETAIL DRAWING. FOOTING INCIDENTAL TO PAYMENT OF
CONCRETE BARRIER

SHEET NOTES:

PGL = POINT REFERRED TO ON PROFILE AND PIVOT
POINT FOR SUPER ELEVATION

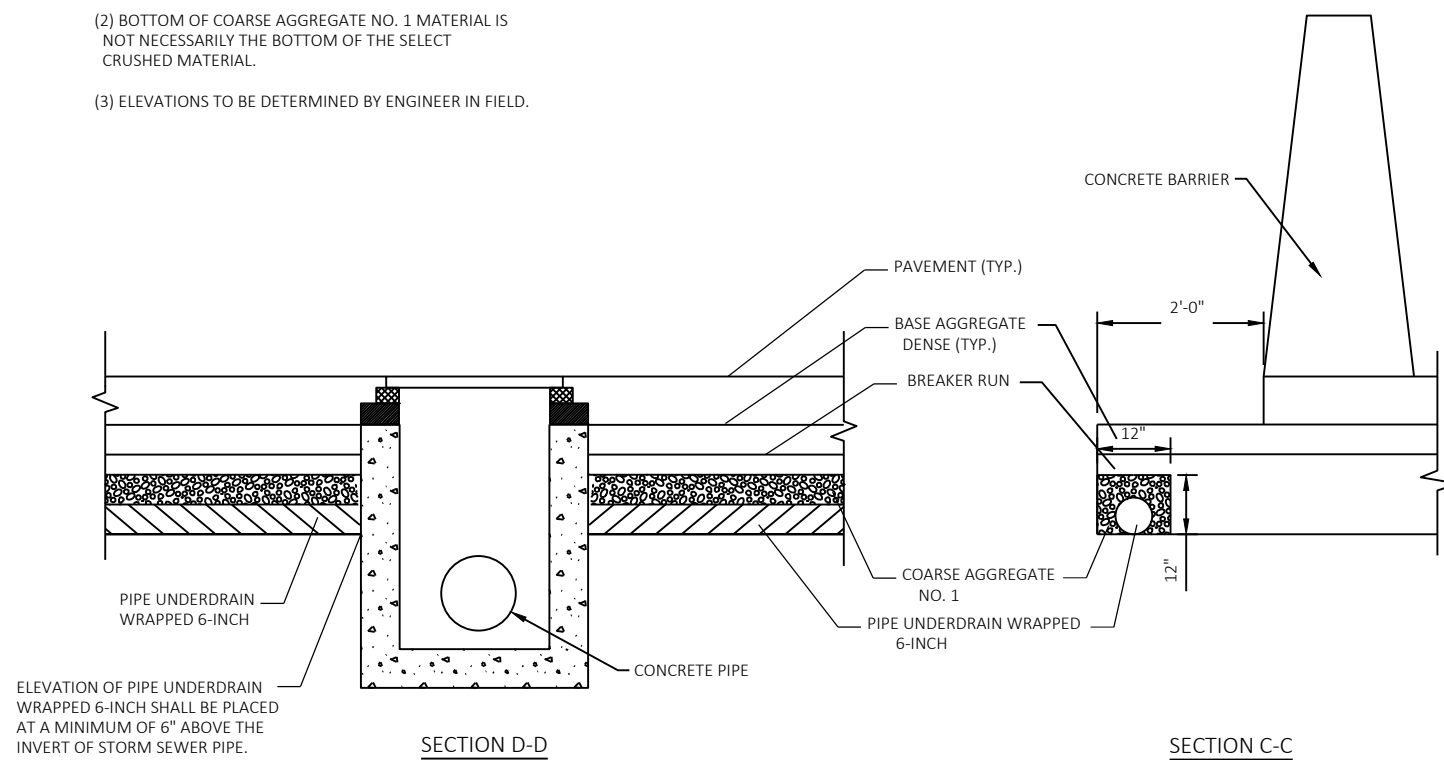
FOR INFORMATION REGARDING RESTORATION
REFER TO THE EROSION CONTROL PLANS AND
FINISHING ITEMS WITHIN THE QUANTITY TABLES



TOP VIEW

UNDERDRAIN DETAIL NOTES:

- (1) BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL.
- (2) BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL IS NOT NECESSARILY THE BOTTOM OF THE SELECT CRUSHED MATERIAL.
- (3) ELEVATIONS TO BE DETERMINED BY ENGINEER IN FIELD.



ELEVATION OF PIPE UNDERDRAIN WRAPPED 6-INCH SHALL BE PLACED AT A MINIMUM OF 6" ABOVE THE INVERT OF STORM SEWER PIPE. UNDERDRAIN PIPE INVERT NOT NECESSARILY AT BOTTOM OF SELECT CRUSHED MATERIAL. ELEVATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

SECTION D-D

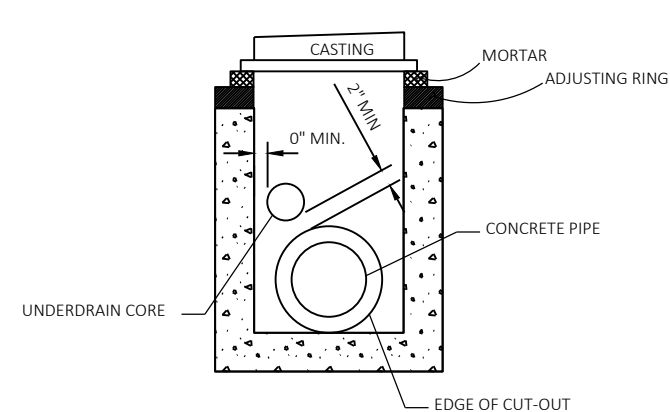
CROSS-SECTION VIEW

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH NO PIPE

SECTION C-C

PIPE UNDERDRAIN DETAIL

NOT TO SCALE

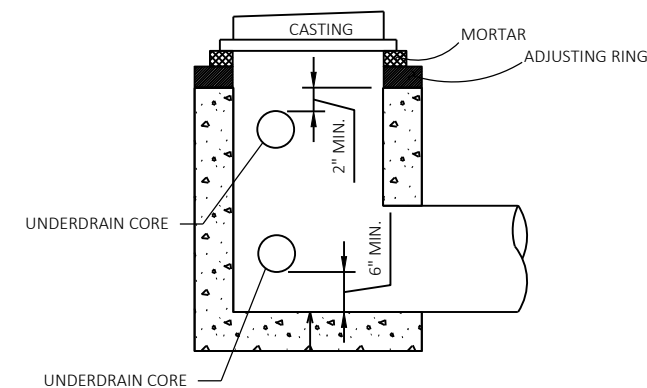


SECTION B-B

CROSS-SECTION VIEW
TYPICAL INLET IN SUMP
CONDITION WITH UNDERDRAIN
CORED INTO WALL WITH PIPE

SECTION B-B NOTES:

- (1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.
- (2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.



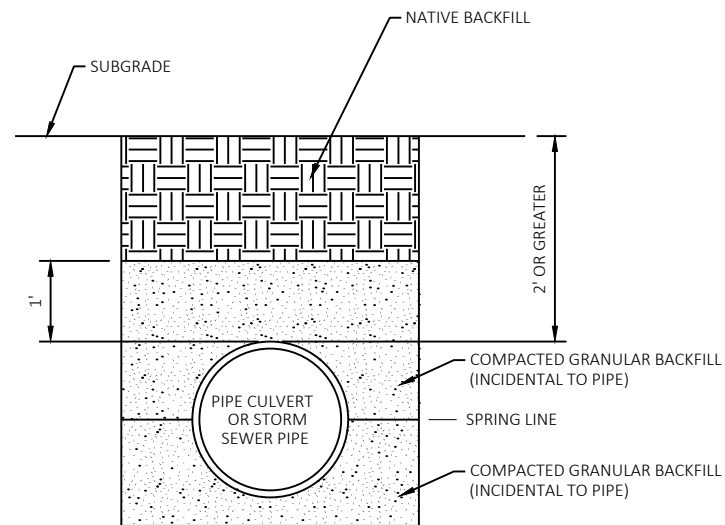
SECTION A-A

CROSS-SECTION VIEW
TYPICAL INLET CONFIGURATION
WITH UNDERDRAIN CORED
INTO WALL WITH CROSSPIPE ONLY

FOUND AT LOW POINTS
WITHOUT FLANKING INLETS

SECTION A-A NOTES:

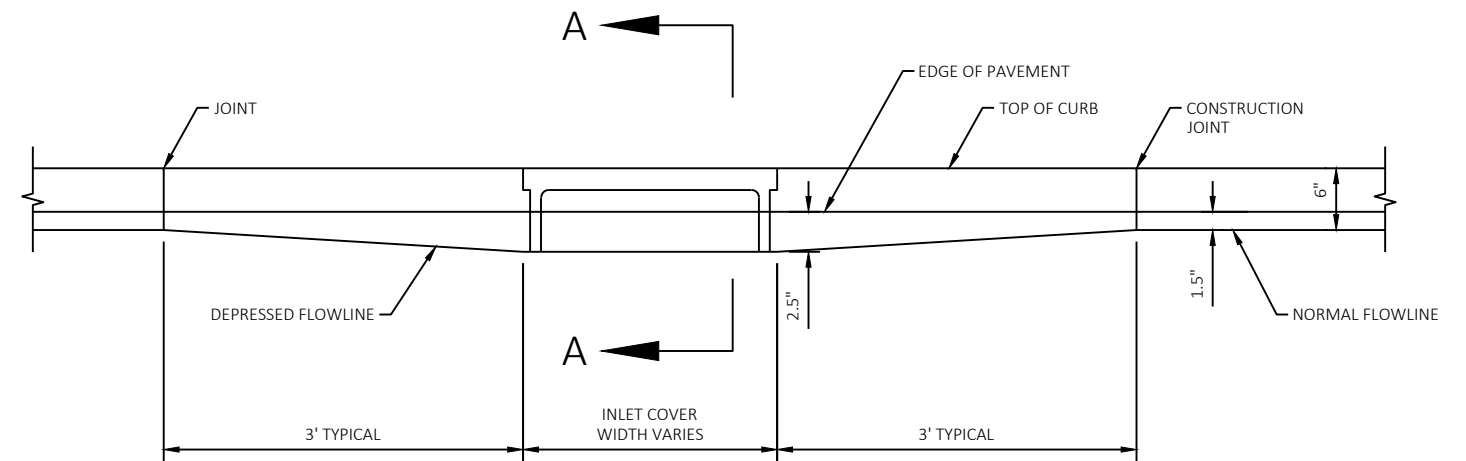
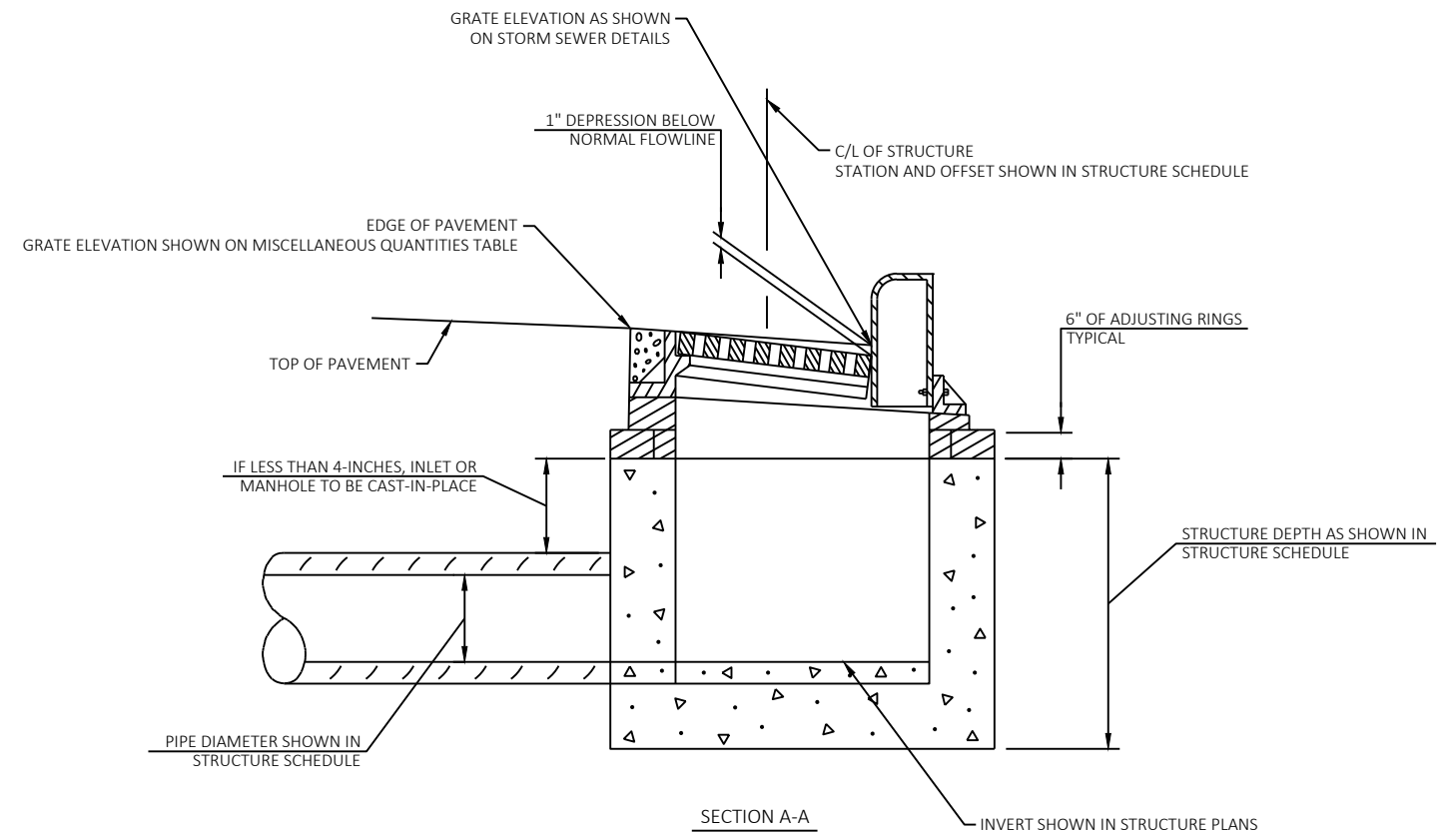
- (1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE CROSS PIPE.
- (2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)
- (3) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS

**NOTES:**

(1) NATIVE BACKFILL SHALL BE FREE OF LARGE LUMPS, CLOUDS, ORGANICS, OR ROCK.

TRENCH BACKFILL DETAIL FOR NORMAL DEPTH PIPE CULVERTS AND STORM SEWER PIPE INSTALLATIONS

(FOR PIPES THAT ARE PLACED 2 FEET OR GREATER FROM THE SUBGRADE)

**ELEVATION VIEW****CURB AND GUTTER AT INLETS**

PROJECT NO: 1228-16-71

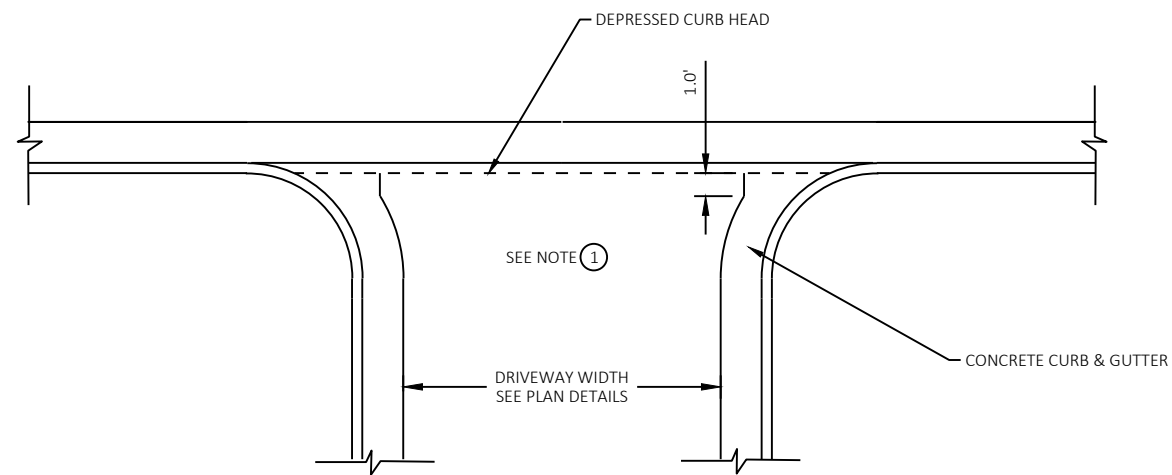
HWY: IH-43

COUNTY: MILWAUKEE

CONSTRUCTION DETAILS

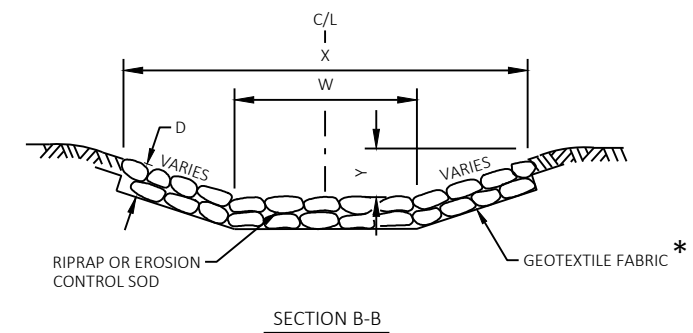
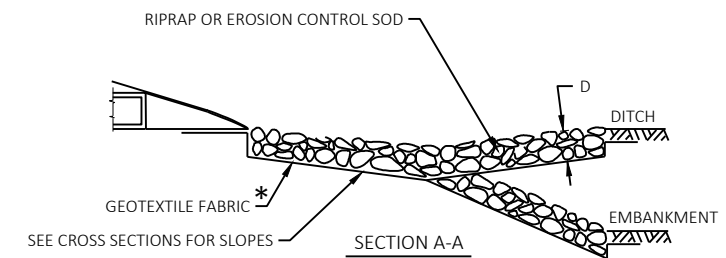
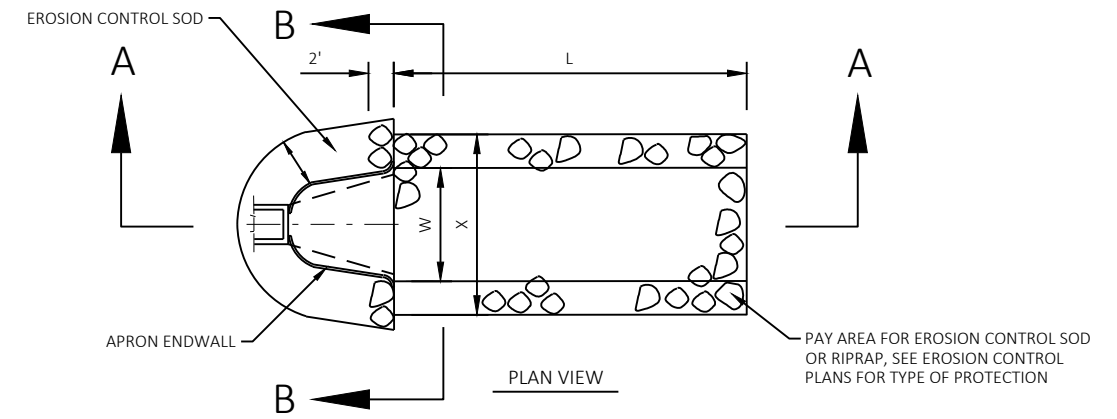
SHEET

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COMMERCIAL DRIVEWAY WITH CONCRETE CURB & GUTTER

- ① DRIVEWAY SURFACE TO BE REPLACED IN-KIND WITH MINIMUM SECTION OF:
- HMA PAVEMENT 5-INCH (SEE PLAN DETAILS) OVER BASE AGGREGATE DENSE 1-1/4 INCH (10-INCH)
- OR
- CONCRETE DRIVEWAY 7-INCH OVER BASE AGGREGATE DENSE 1-1/4 INCH (4-INCHES)



$L = 3 \times W$ (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

$D = 12"$ FOR RIPRAP LIGHT
 $18"$ FOR RIPRAP MEDIUM
 $24"$ FOR RIPRAP HEAVY

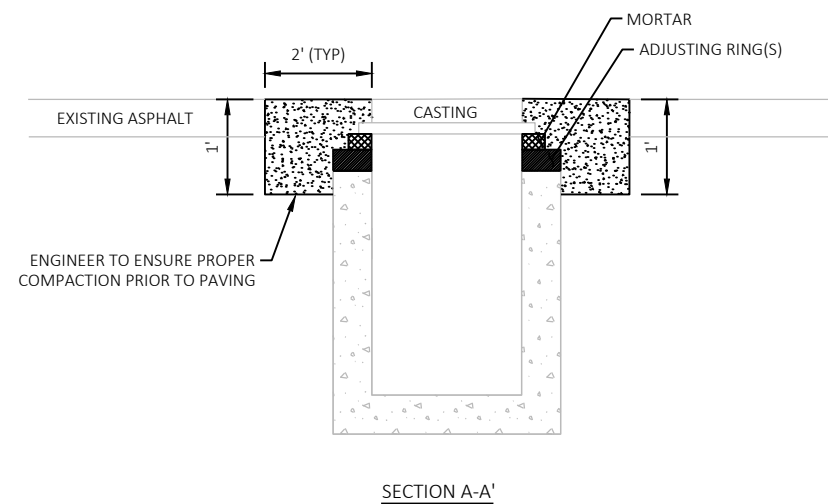
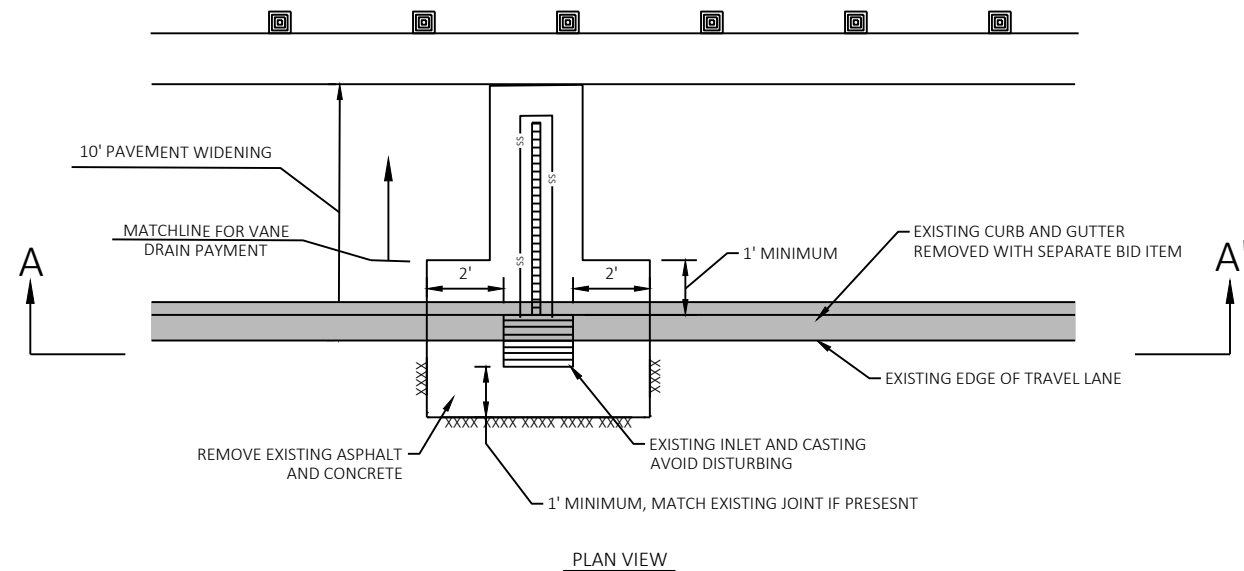
$X = W + 2'$ FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
 $W + 5'$ FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

$Y = 0'$ FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
 $12"$ FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)

SOD RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS



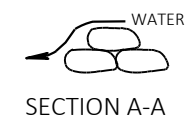
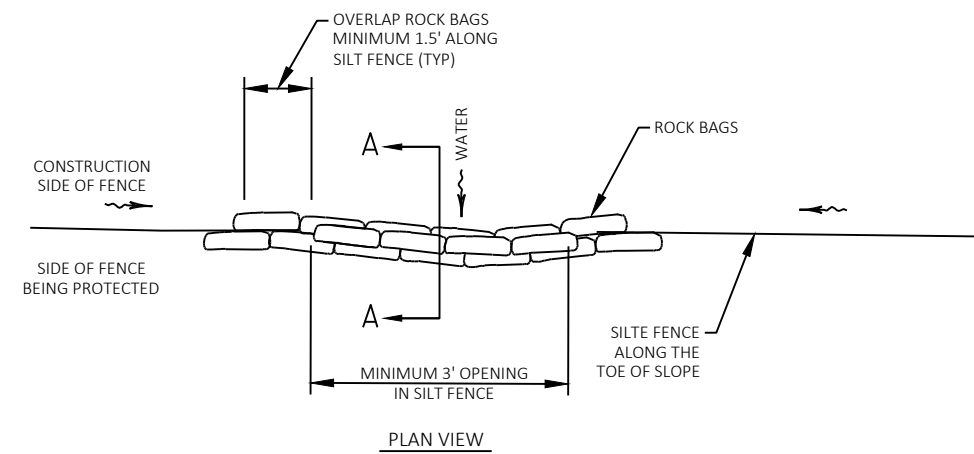
INLET COVER REPAIR MAINTENANCE SPECIAL

NOTES

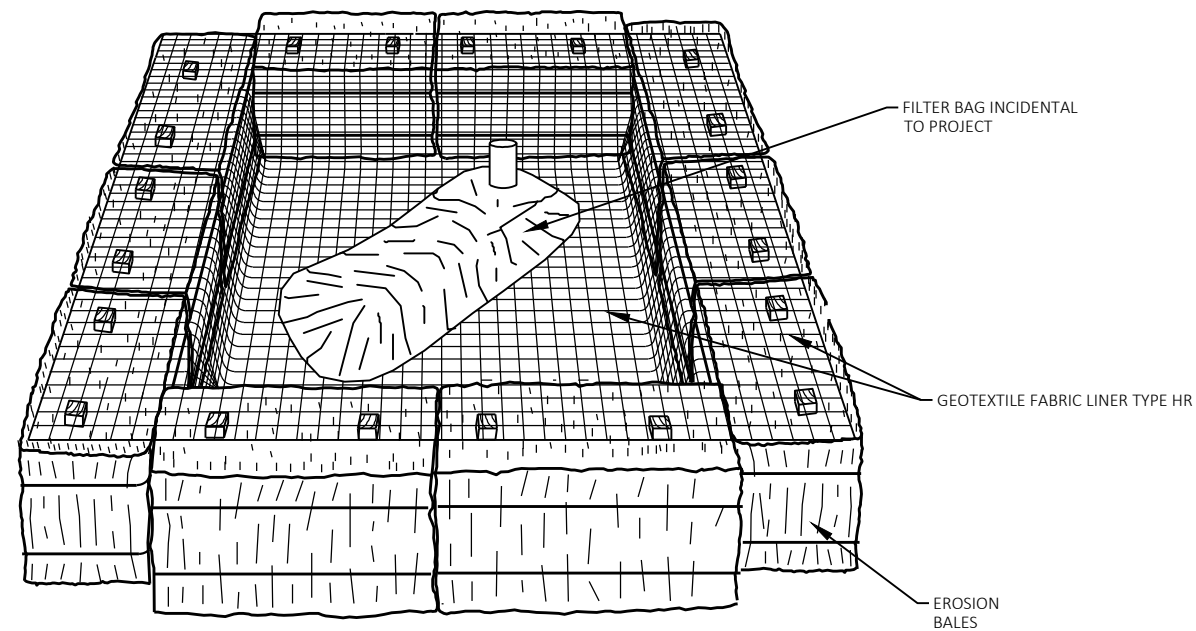
- 1) FOR VANE DRAIN REFER TO SEPARATE STANDARD DETAIL DRAWING , PAID UNDER SEPARATE ITEM
- 2) REMOVALS THROUGH PAVEMENT WIDENING PAID FOR WITH SEPARATE ITEMS
- 3) PAYMENT INCLUDES SAWCUTS, PAVEMENT REMOVAL, ADJUSTMENTS AS NEEDED TO THE EXISTING CASTING (INCLUDING BUT NOT LIMITED TO ADJUSTING RINGS AND MORTAR), COMPACTING AND PREPARING THE SUBBASE, SUPPLYING, PLACING, AND FINISHING CONCRETE, AND ALL OTHER ITEMS AS NOTED IN THE SPECIALS.
- 4) INLET COVER REPAIR WILL BE COMPLETED UNDER NIGHTLY LANE CLOSURE IN CONJUNCTION WITH PAVEMENT WIDENING. CONTRACTOR SHALL NOT REMOVE EXISTING PAVEMENT AND LEAVE A VOID IN THE PAVEMENT DURING DAYTIME PEAK HOURS. ANY METHODS USED TO TEMPORARY FILL HOLES IN THE PAVEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE.

LEGEND

- SS— EXTERIOR LIMITS OF VANE DRAIN PIPE (SEPARATE PAY ITEM)
- XX— SAWCUT (INCIDENTAL)
- ▢ VANE DRAIN CASTING (SEPARATE PAY ITEM)
- EXISTING GUARDRAIL



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.

$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}} = 533 \text{ S.F.}$

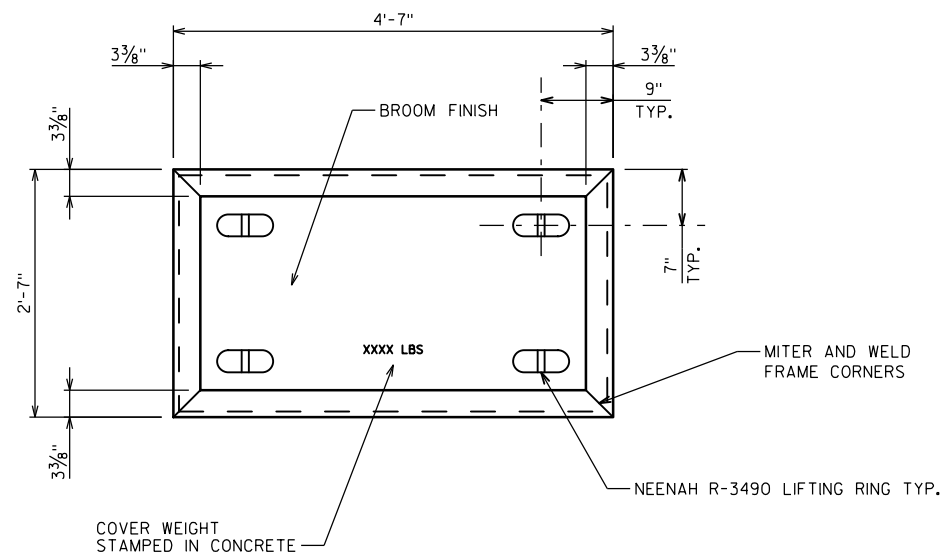
USE A 20 FT. X 27 FT. BASIN

NOTES

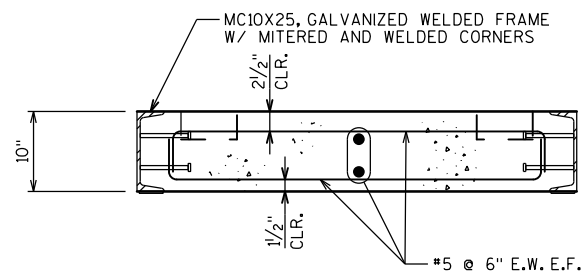
- 1) CONTRACTOR SHALL PUMP FROM DEWATERING OPERATIONS INTO TEMPORARY SETTLING BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.
- 2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS SHALL BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.
- 3) TEMPORARY SETTLING BASIN SHALL BE PAID FOR AS EROSION BALES AND GEOTEXTILE FABRIC HR.

TEMPORARY SETTLING BASIN

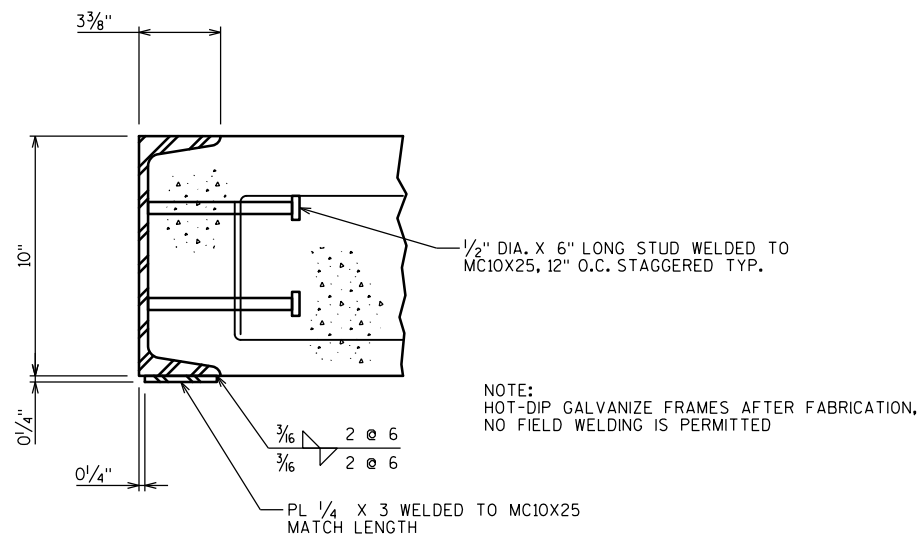
UNDISTRIBUTED



PRECAST CONC. GATE ACCESS COVER - PLAN

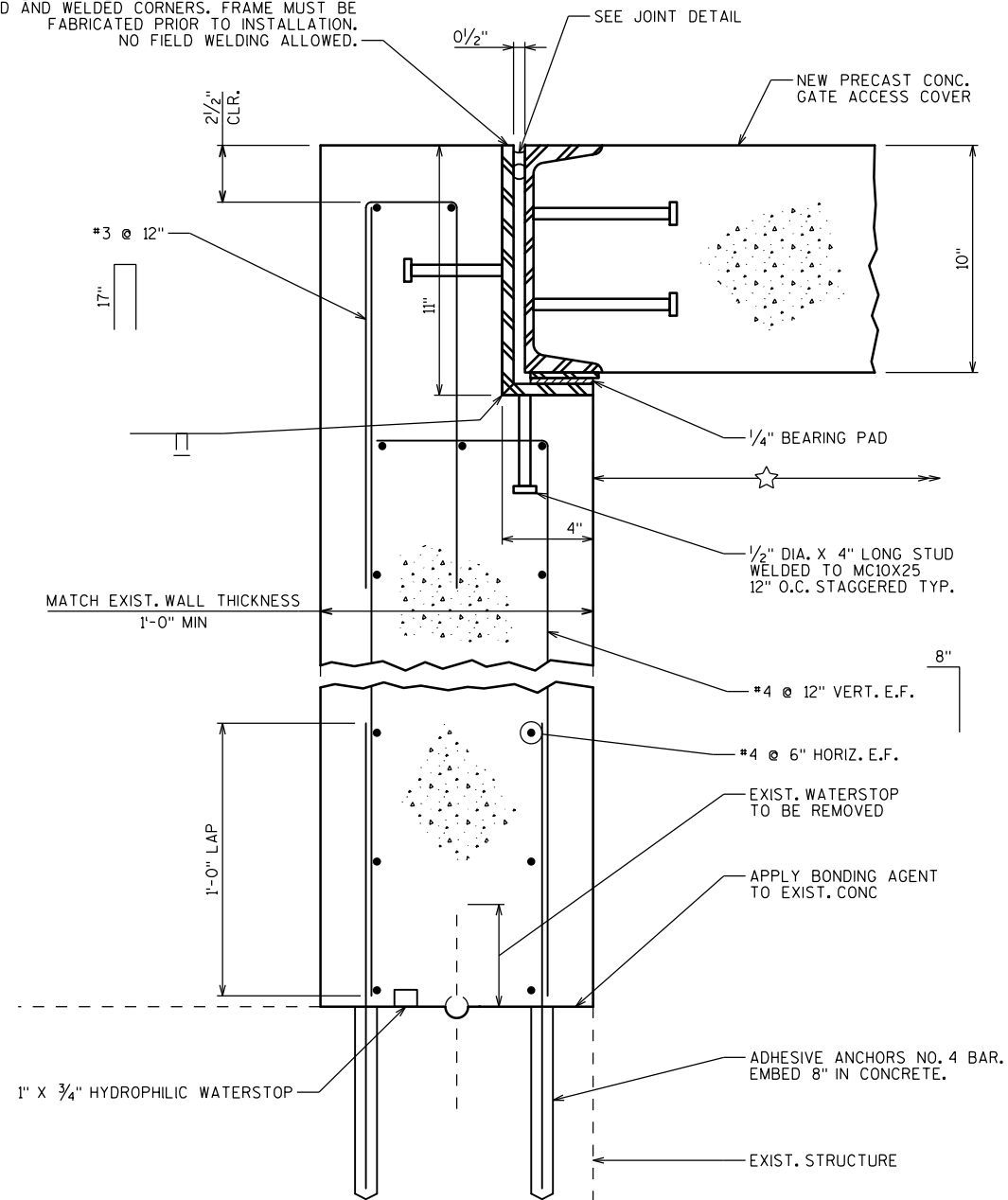


PRECAST CONC. GATE ACCESS COVER - SECTION



PRECAST CONC. GATE ACCESS COVER - DETAIL

1 1/2" AND 4 1/2" GALV. PLATES WELDED WITH MITERED AND WELDED CORNERS. FRAME MUST BE FABRICATED PRIOR TO INSTALLATION. NO FIELD WELDING ALLOWED.



GATE FRAME AND RISER DETAIL

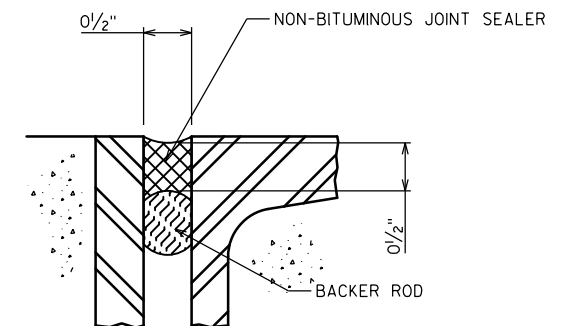
☆ VERIFY INSIDE OPENING DIMENSIONS OF EXIST. GATE RISER IN FIELD

NOTES

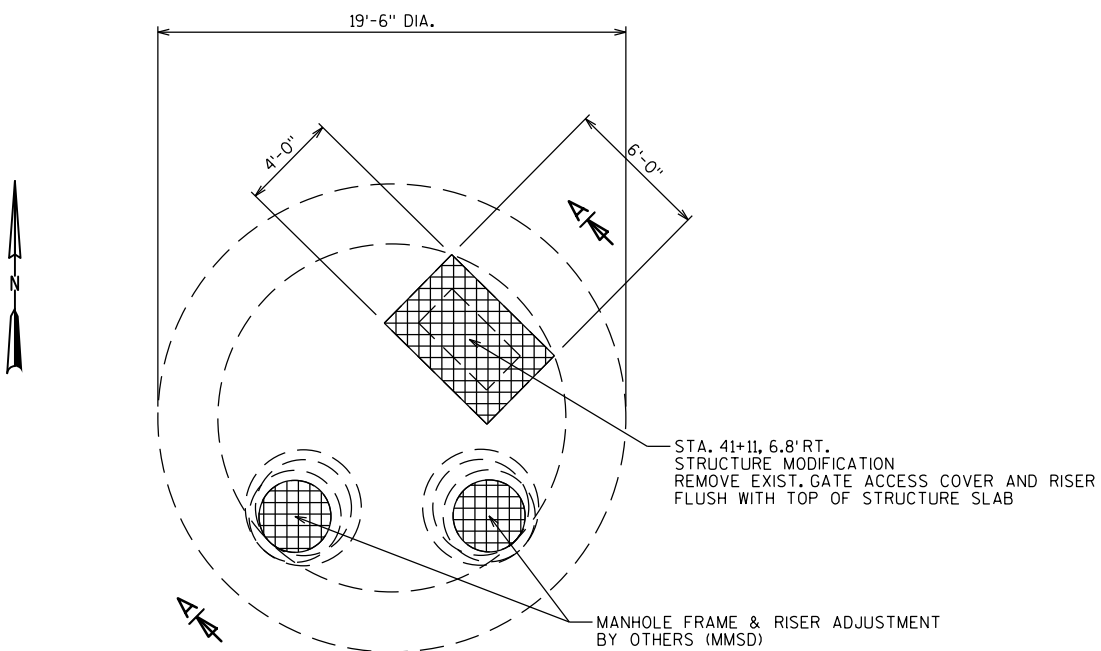
THE WORK SHOWN ON THIS SHEET SHALL BE MEASURED AND PAID FOR AS STRUCTURE MODIFICATION MMSD DCO406.

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.

☆ VERIFY INSIDE OPENING DIMENSIONS OF EXIST. GATE RISER IN FIELD BEFORE ORDERING THE PRECAST CONC. GATE ACCESS COVER & FRAME.

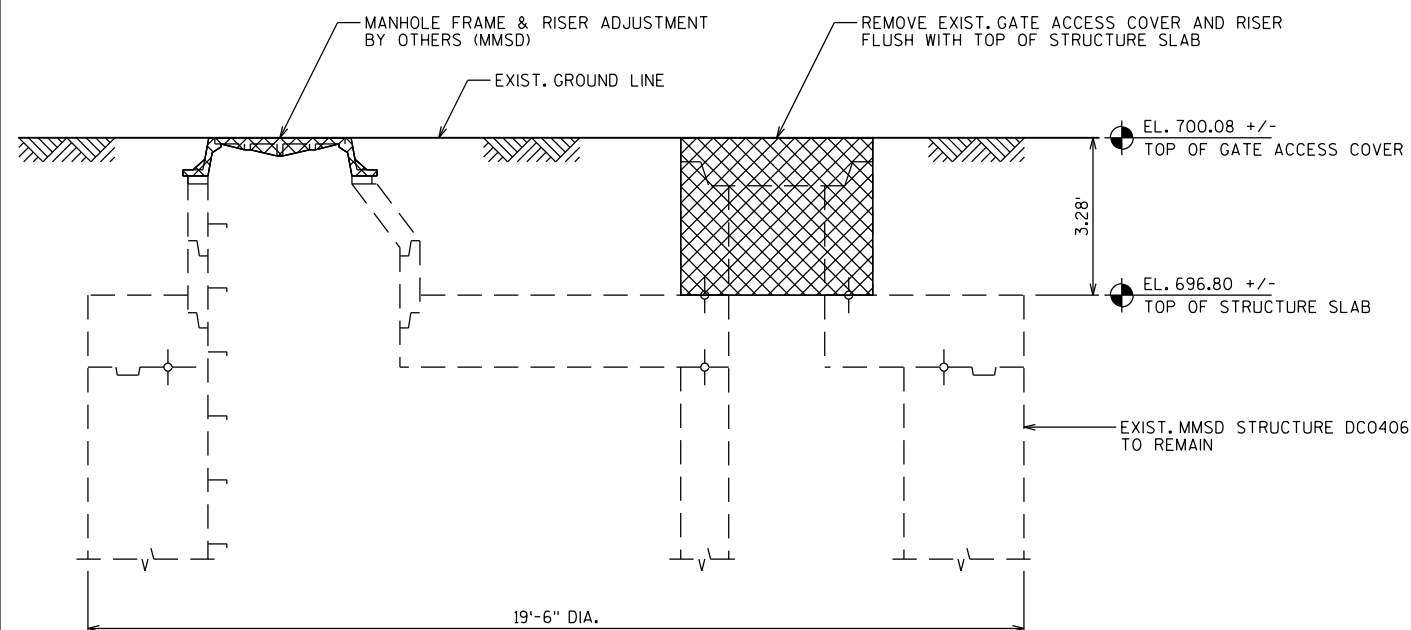


JOINT DETAIL



REMOVAL PLAN - MMSD STRUCTURE DC0406

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS



REMOVAL SECTION A-A

DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS

NOTES

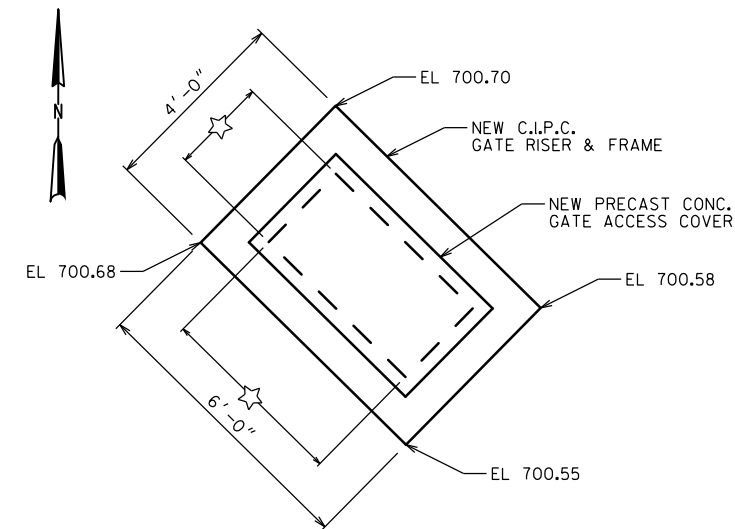
THE WORK SHOWN ON THIS SHEET SHALL BE MEASURED AND PAID FOR AS STRUCTURE MODIFICATION MMSD DC0406.

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.

☆ VERIFY INSIDE OPENING DIMENSIONS OF EXIST. GATE RISER IN FIELD BEFORE ORDERING THE PRECAST CONC. GATE ACCESS COVER & FRAME.

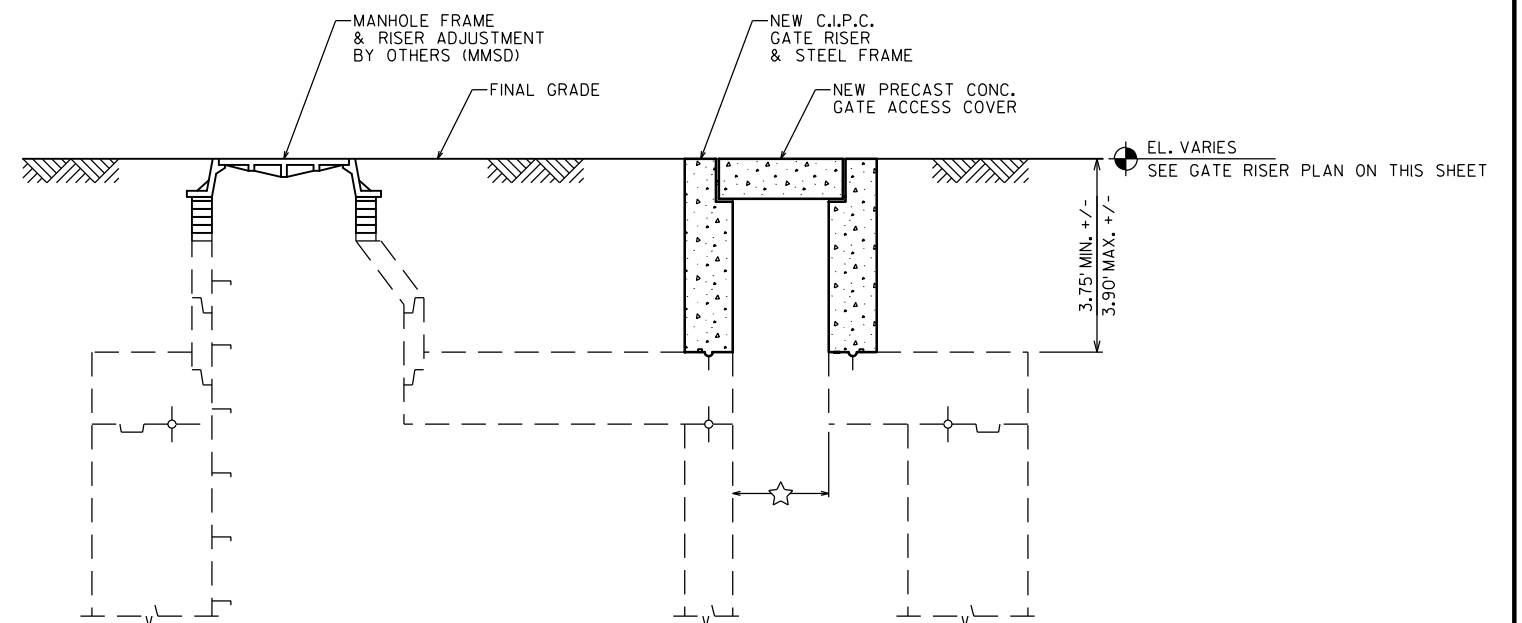
SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED TO THE BOTTOM OF THE NEW CONCRETE BASE PAVEMENT WITH BACKFILL STRUCTURE TYPE A OR TYPE B.

ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED. EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.



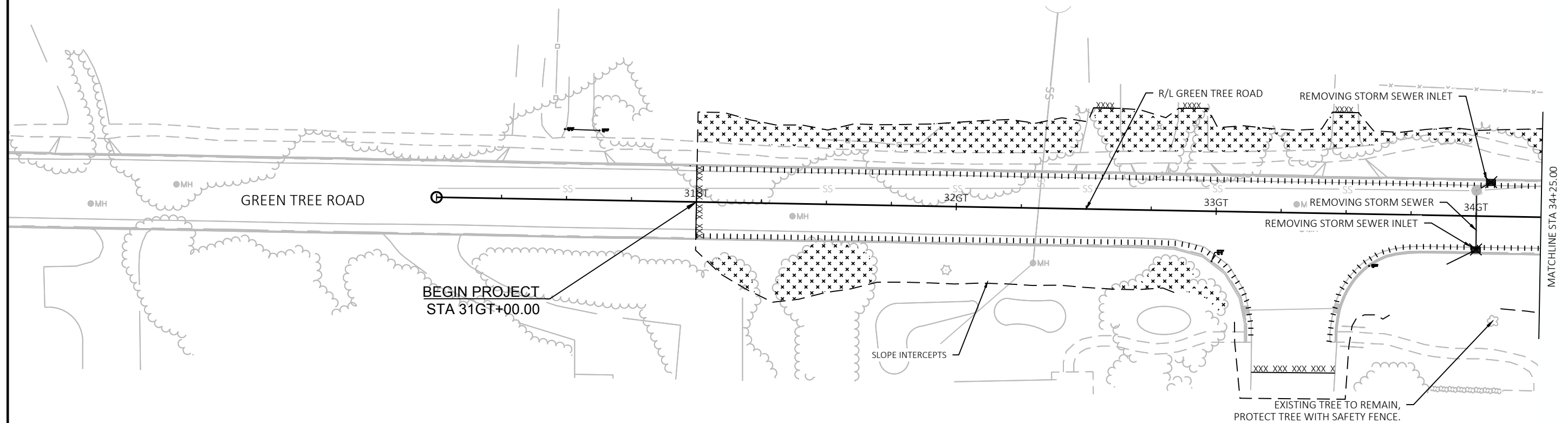
GATE RISER PLAN

☆ VERIFY INSIDE OPENING DIMENSIONS OF EXIST. GATE RISER IN FIELD



CONSTRUCTION SECTION A-A

☆ VERIFY INSIDE OPENING DIMENSIONS OF EXIST. GATE RISER IN FIELD



LEGEND

SS	REMOVING STORM SEWER
	REMOVING STORM SEWER INLET
	REMOVING STORM SEWER MANHOLE
	CLEAR AND GRUB
	REMOVING PAVEMENT
	REMOVING GUARDRAIL / EAT
	REMOVING CURB AND GUTTER
XXX XXX XXX XXX XXX	SAWING PAVEMENT

NOTES:

1. ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION

PROJECT NO: 1228-16-71

HWY: IH-43

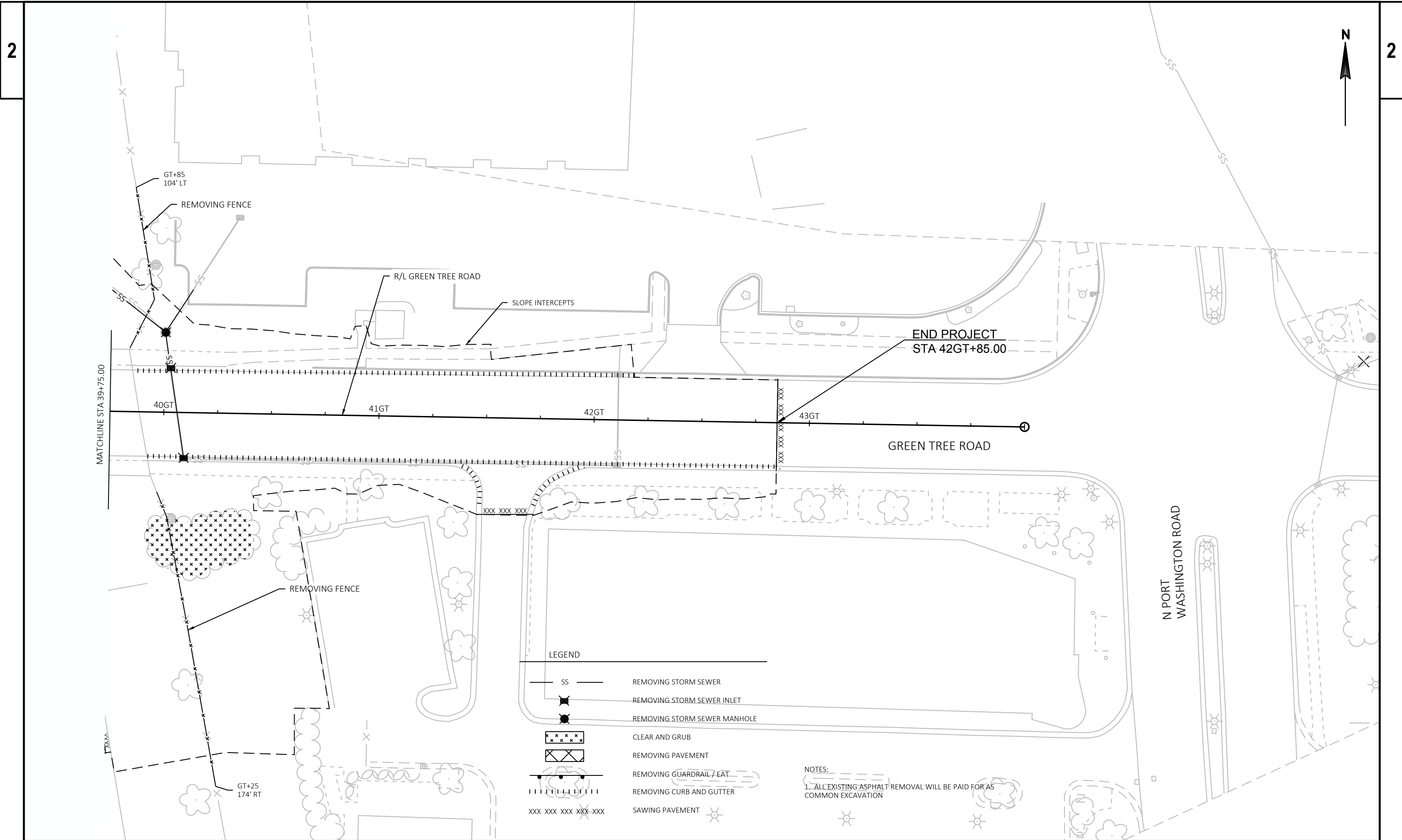
COUNTY: MILWAUKEE

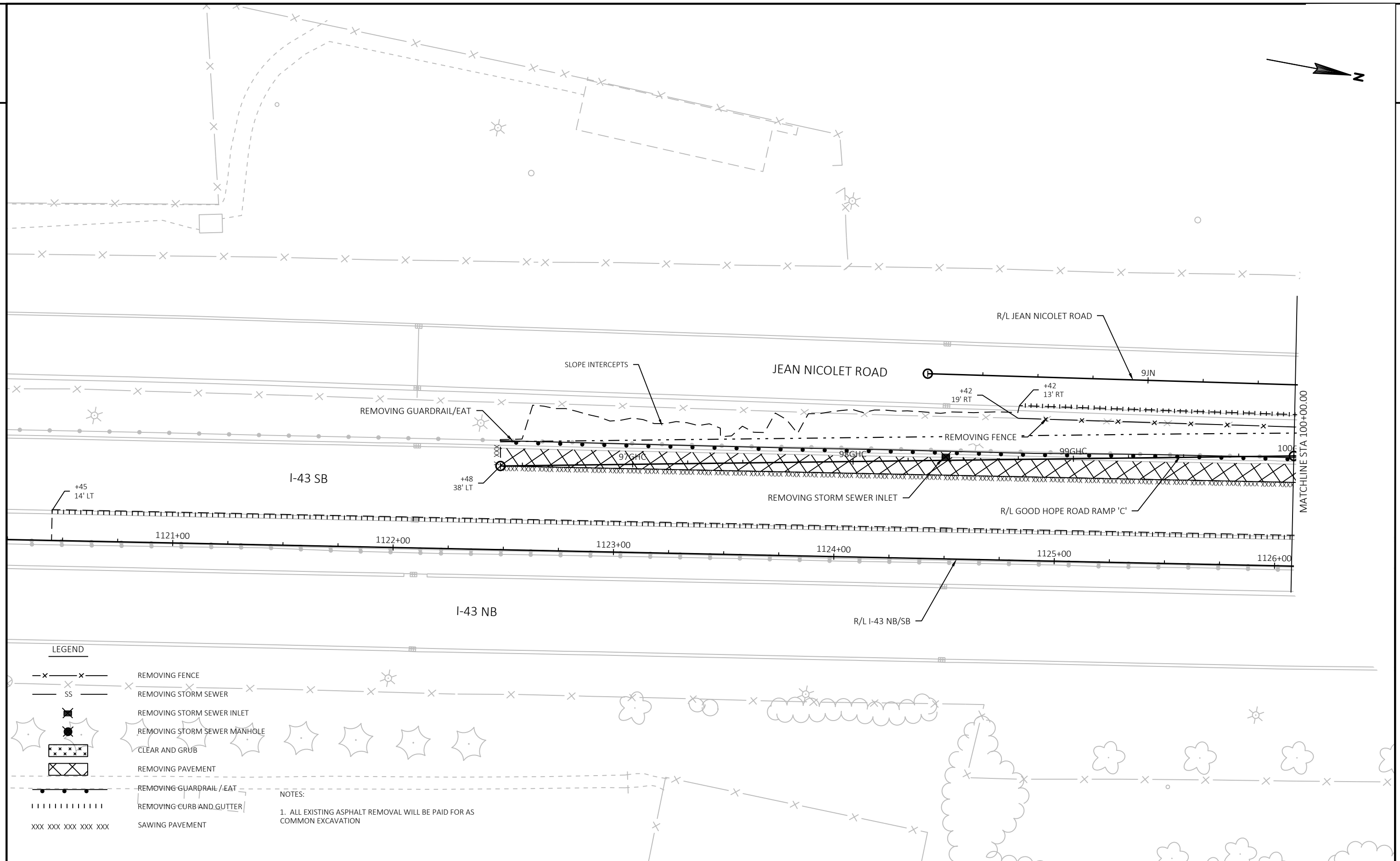
REMOVAL PLAN

SHEET

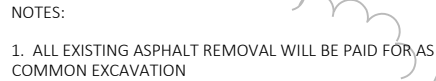
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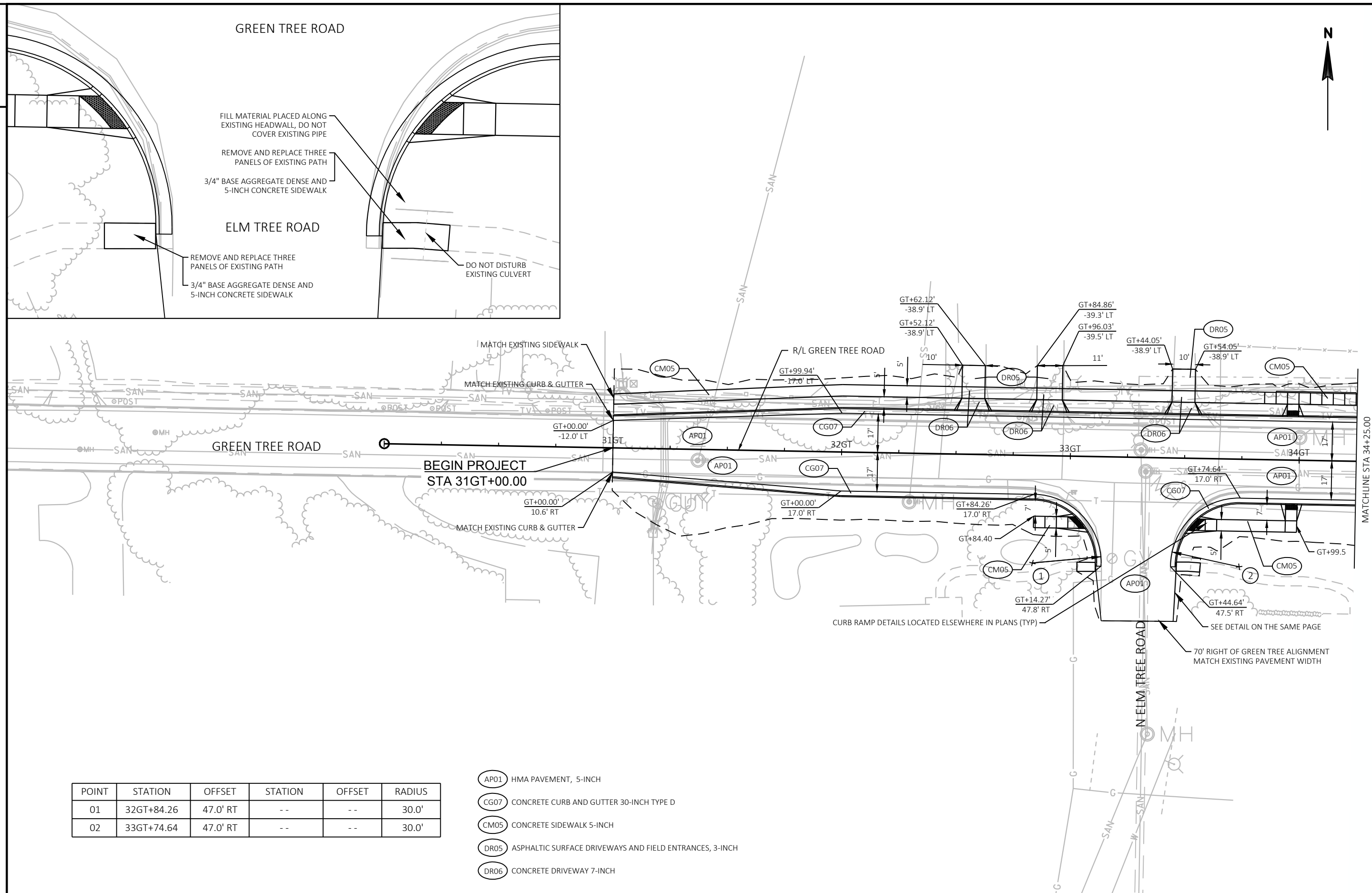








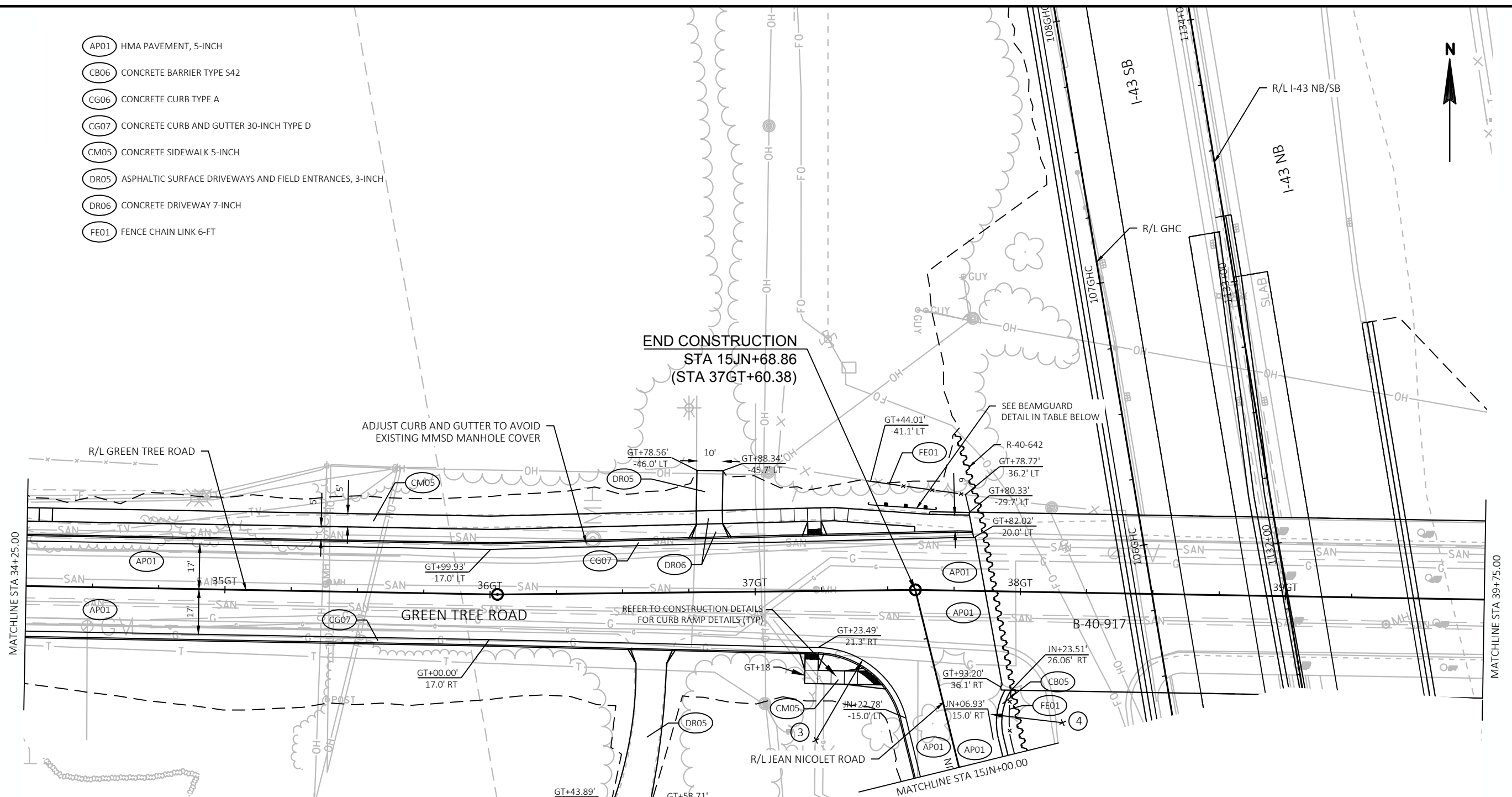


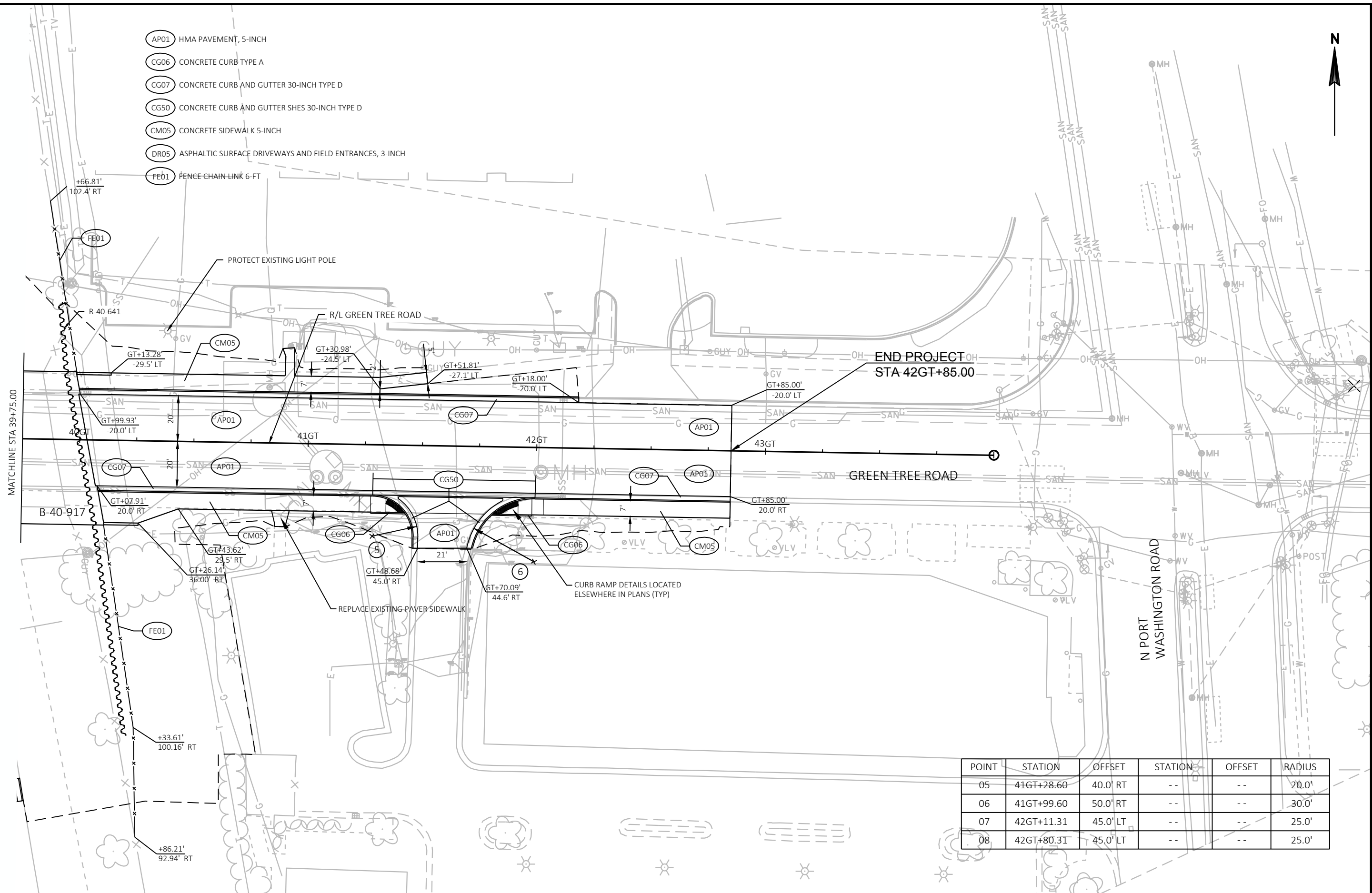


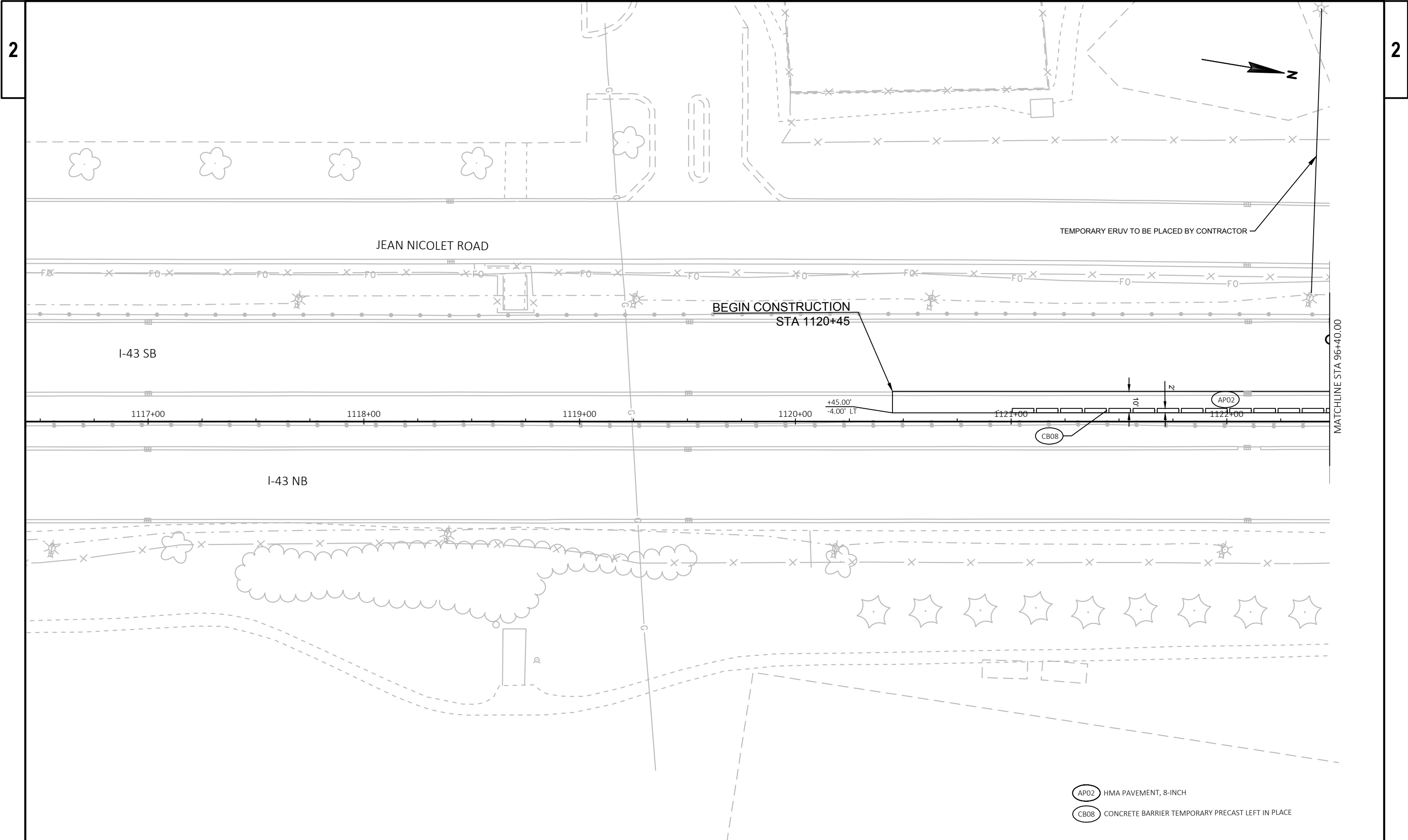
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02	33GT+74.64	47.0' RT	--	--	30.0'

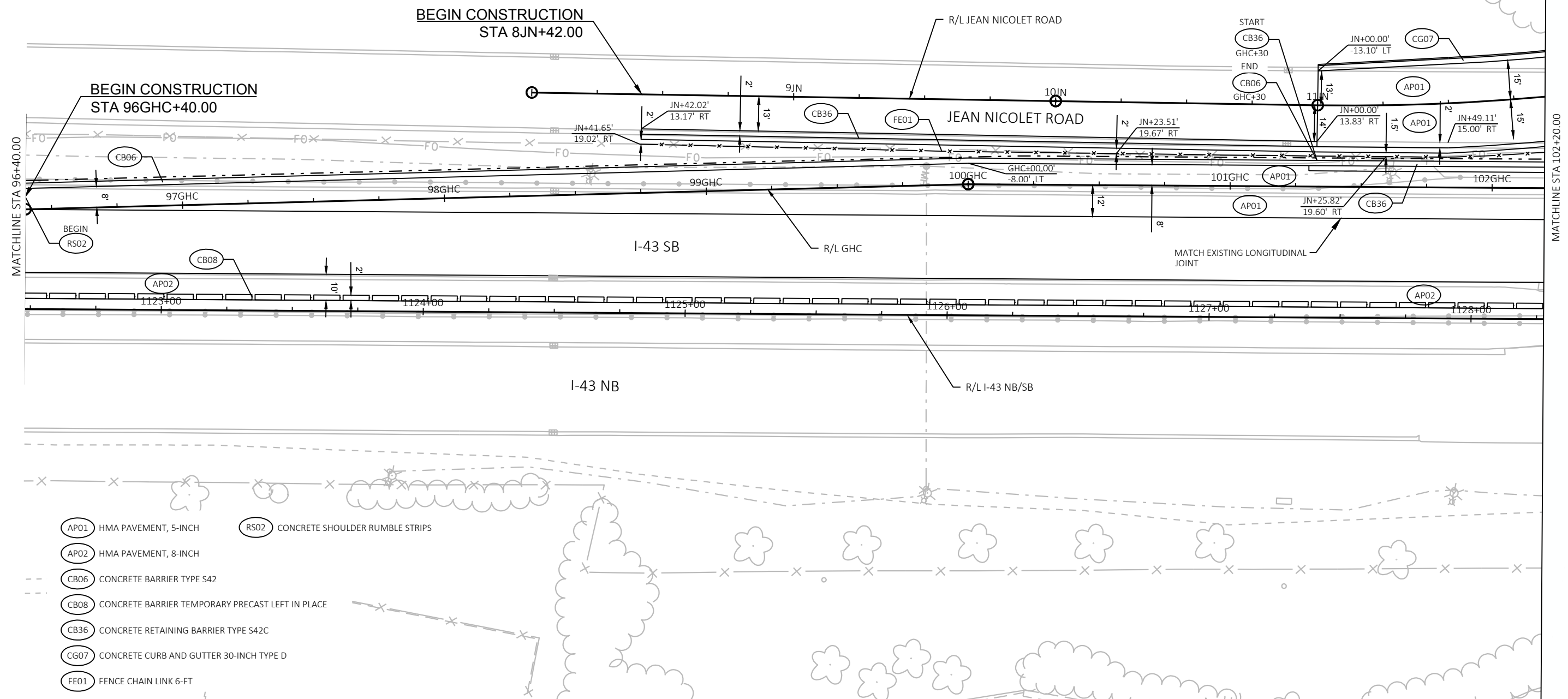
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|------|---|
| AP01 | HMA PAVEMENT, 5-INCH |
| CG07 | CONCRETE CURB AND GUTTER 30-INCH TYPE D |
| CM05 | CONCRETE SIDEWALK 5-INCH |
| DR05 | ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH |
| DR06 | CONCRETE DRIVEWAY 7-INCH |

- AP01 HMA PAVEMENT, 5-INCH
CB06 CONCRETE BARRIER TYPE S42
CG06 CONCRETE CURB TYPE A
CG07 CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM05 CONCRETE SIDEWALK 5-INCH
DR05 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
DR06 CONCRETE DRIVEWAY 7-INCH
FE01 FENCE CHAIN LINK 6-FT









PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

PLAN DETAILS

SHEET

E

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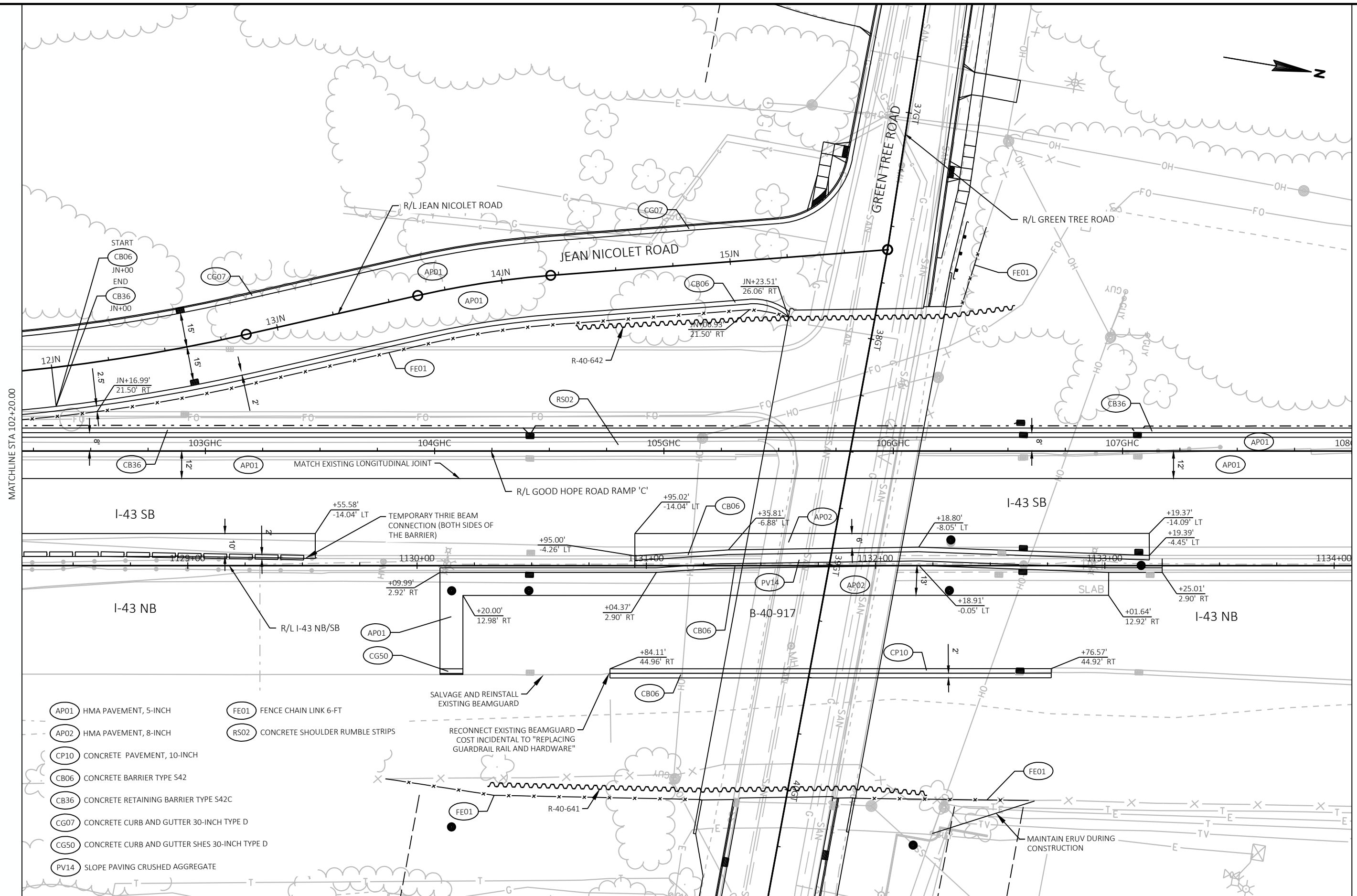
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PLOT BY : ANDREW ROSEMEYER

PLOT NAME :

PLOT SCALE : 1 IN=40 FT

WISDOT/CADDs SHEET 42



PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

PLAN DETAILS

SHEET

E

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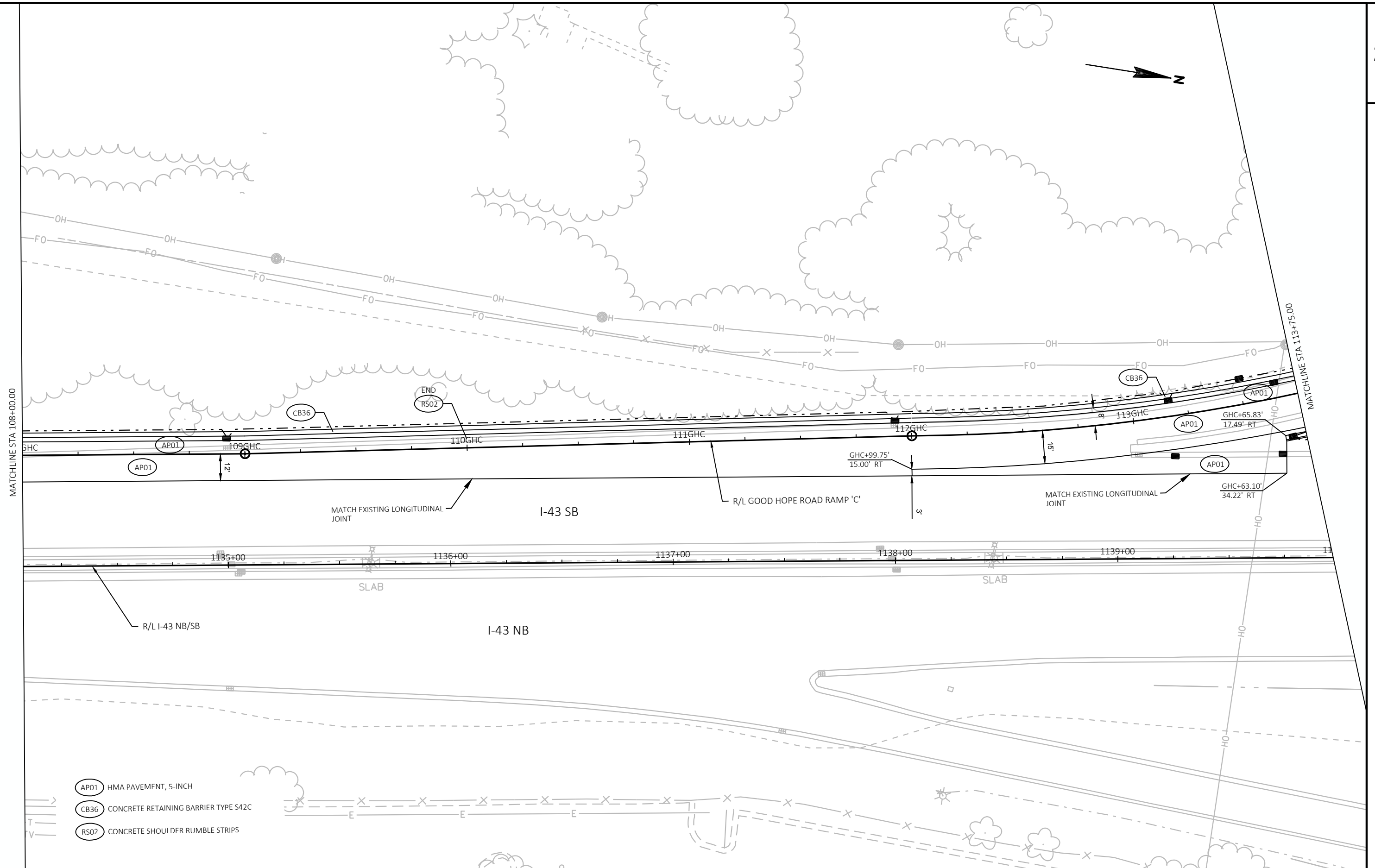
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PLOT NAME:

PLOT SCALE: 1 IN=40 FT

WISDOT/CADDs SHEET 42



PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

PLAN DETAILS

SHEET

E

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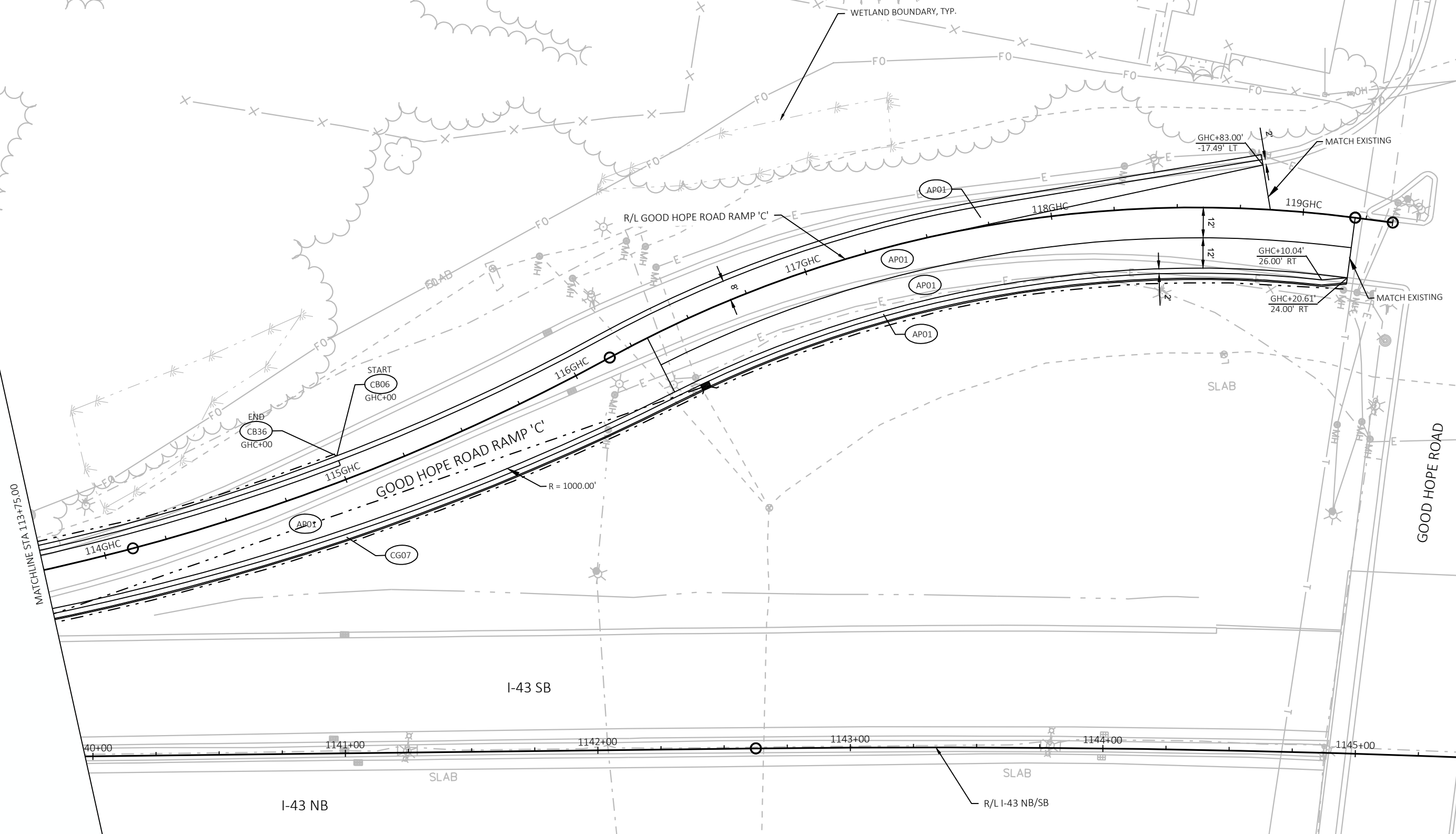
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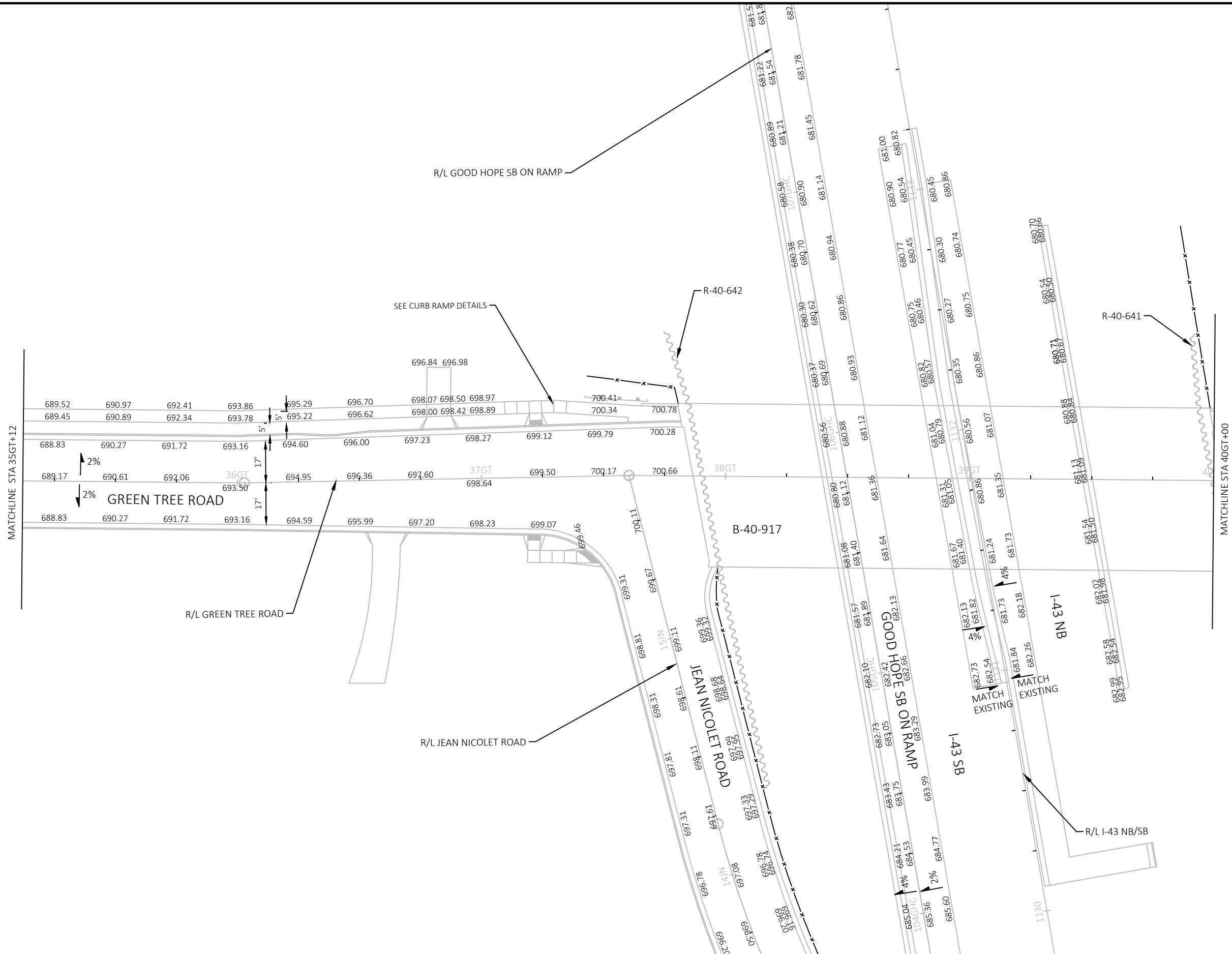
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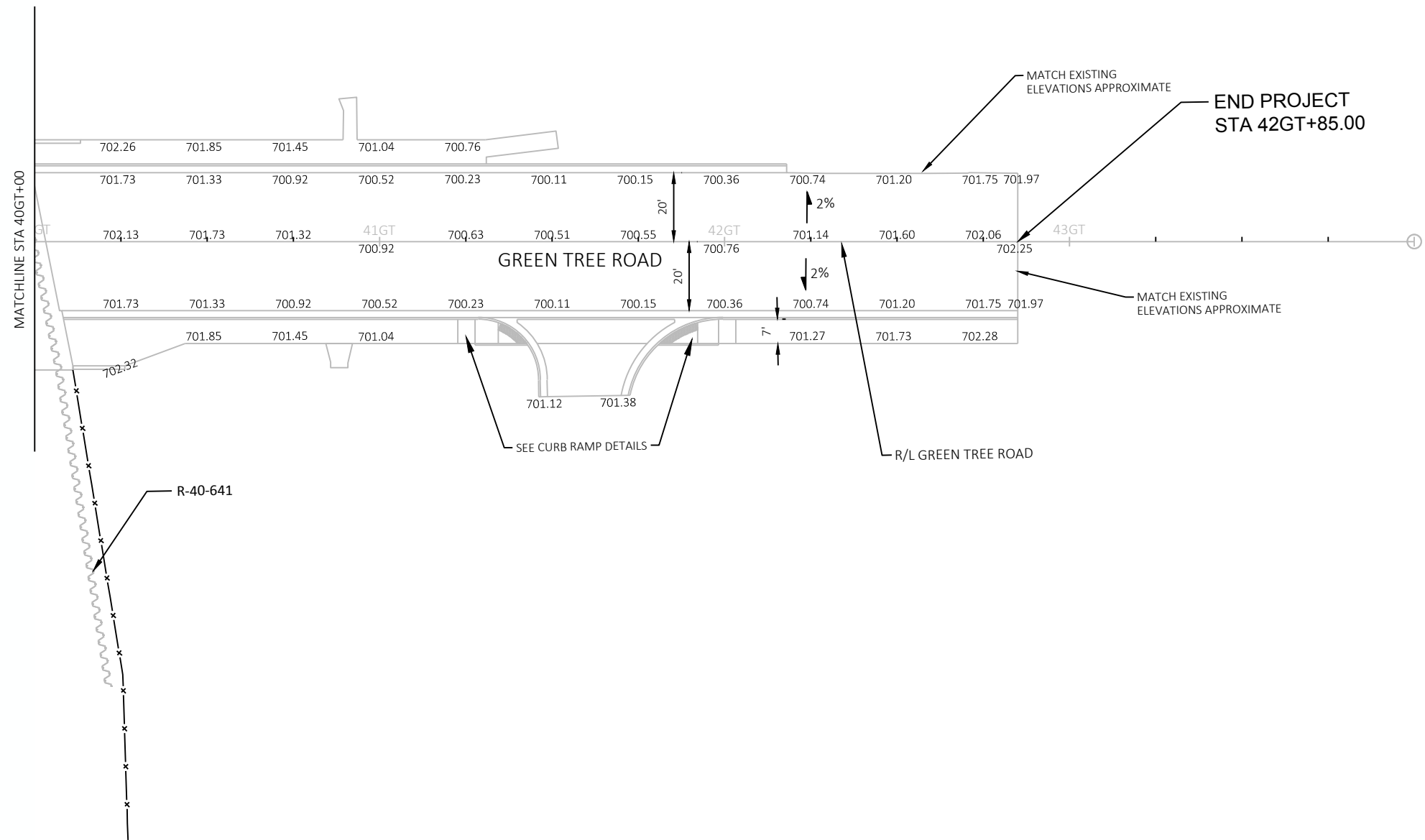
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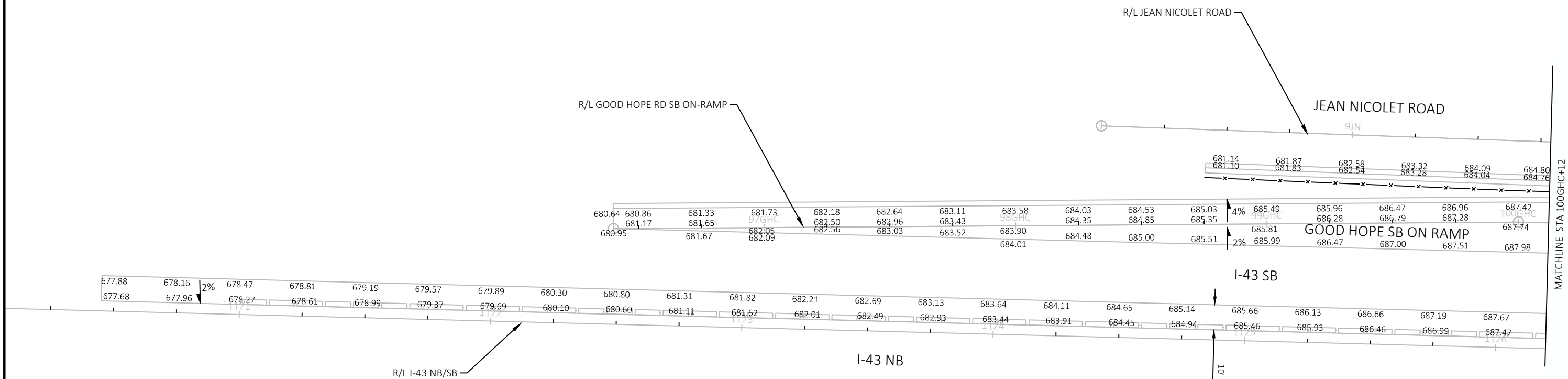
WISDOT/CADDs SHEET 42

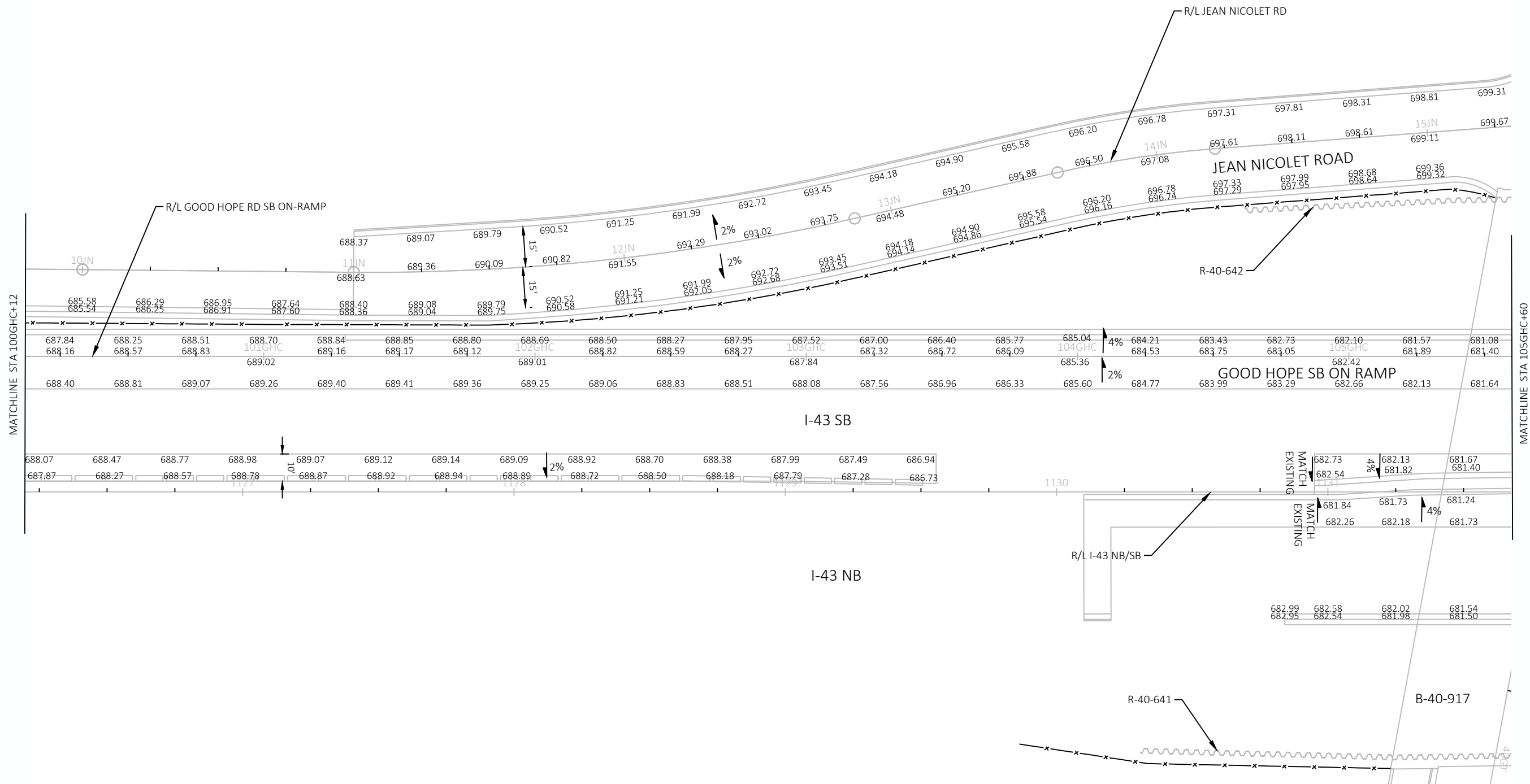
- | | |
|------|---|
| AP01 | HMA PAVEMENT, 5-INCH |
| CB06 | CONCRETE BARRIER TYPE S42 |
| CB36 | CONCRETE RETAINING BARRIER TYPE S42C |
| CG07 | CONCRETE CURB AND GUTTER 30-INCH TYPE D |

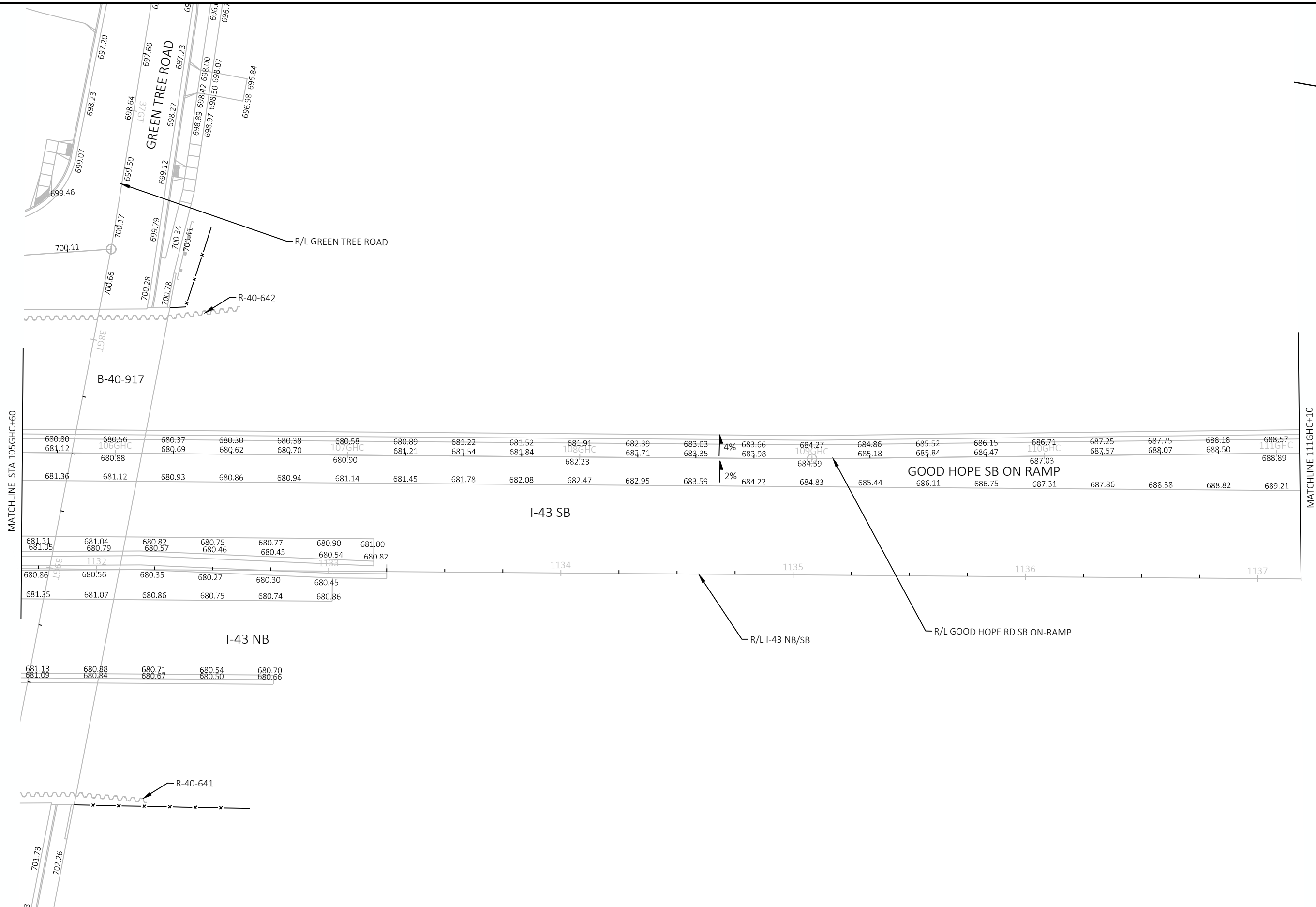










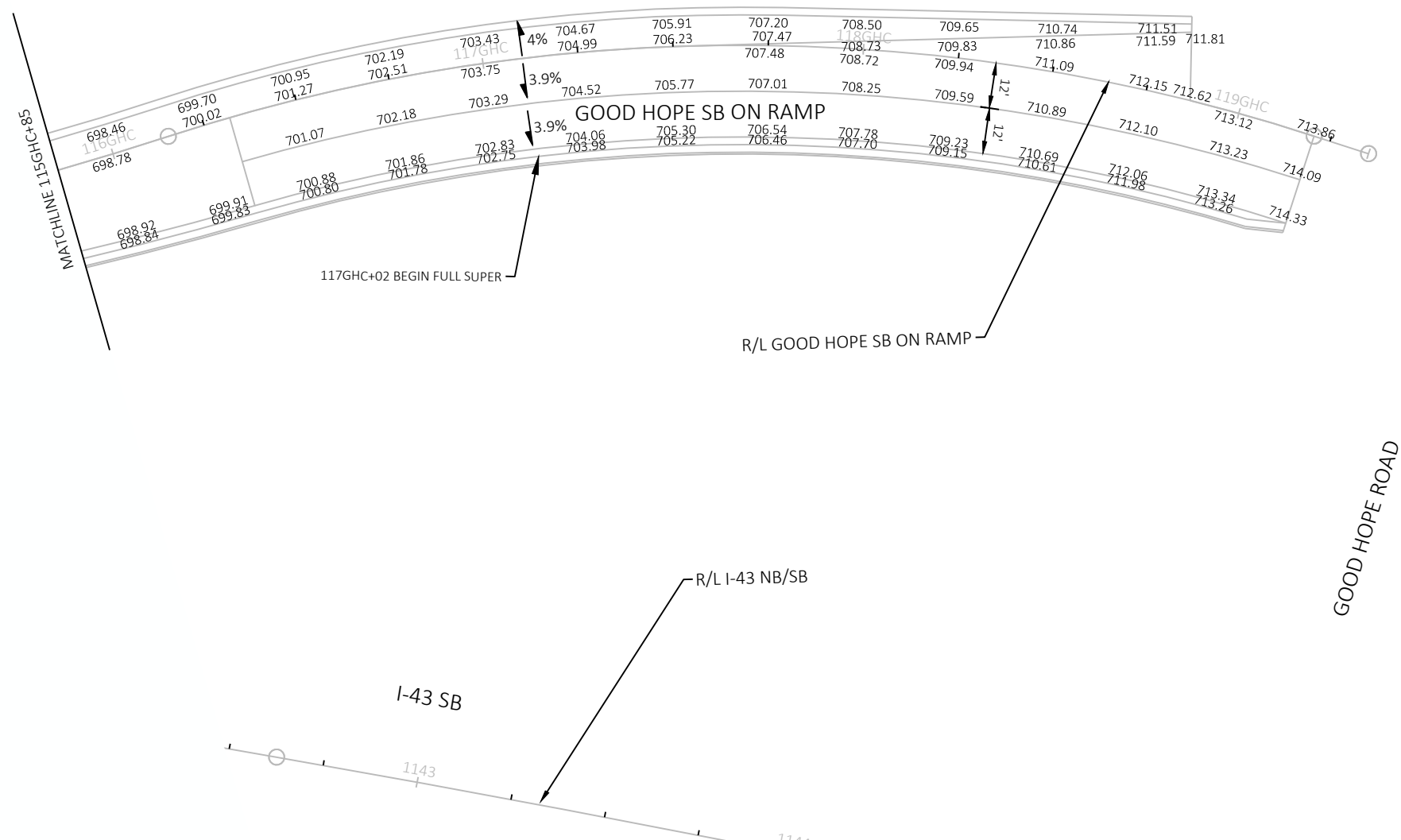
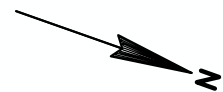




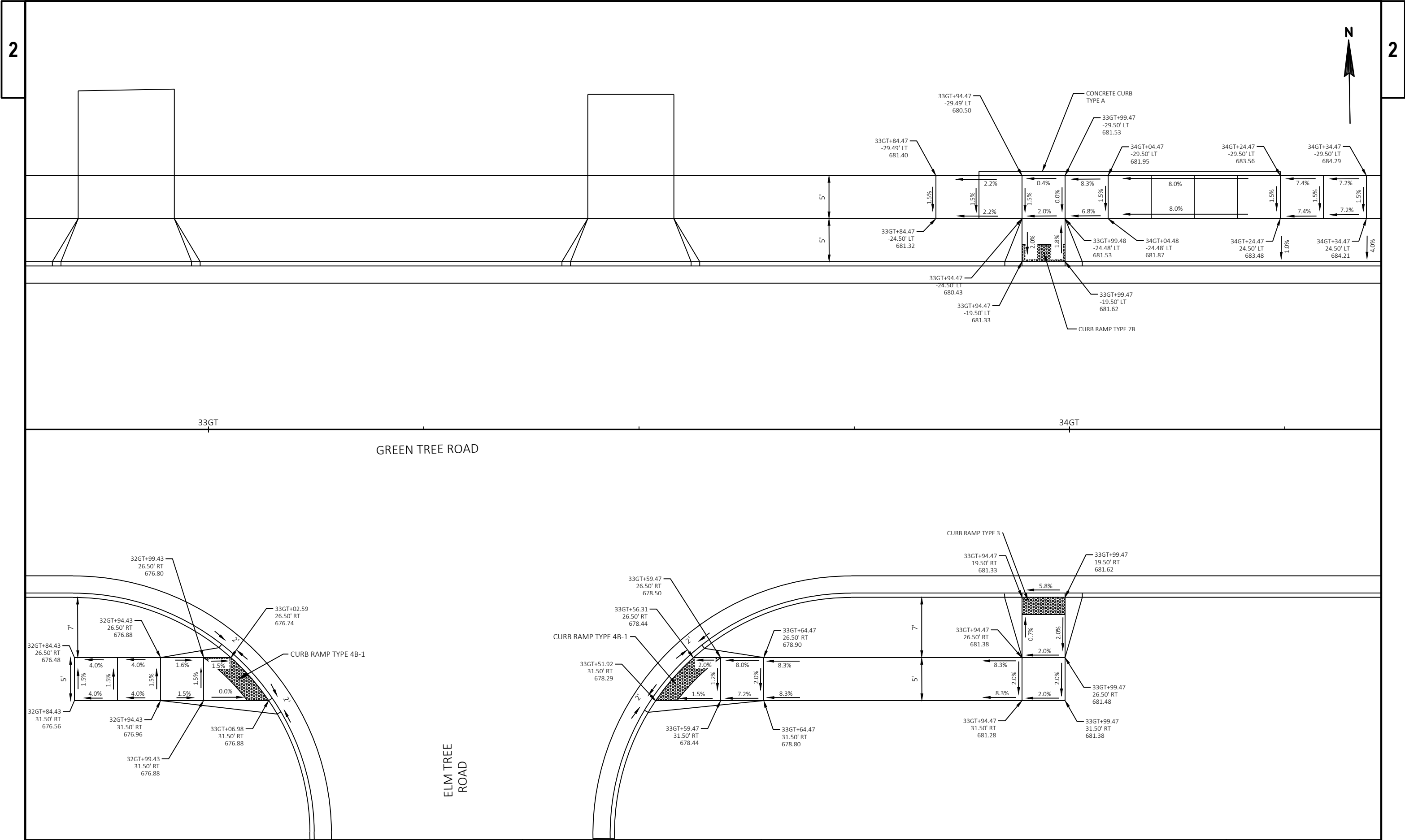
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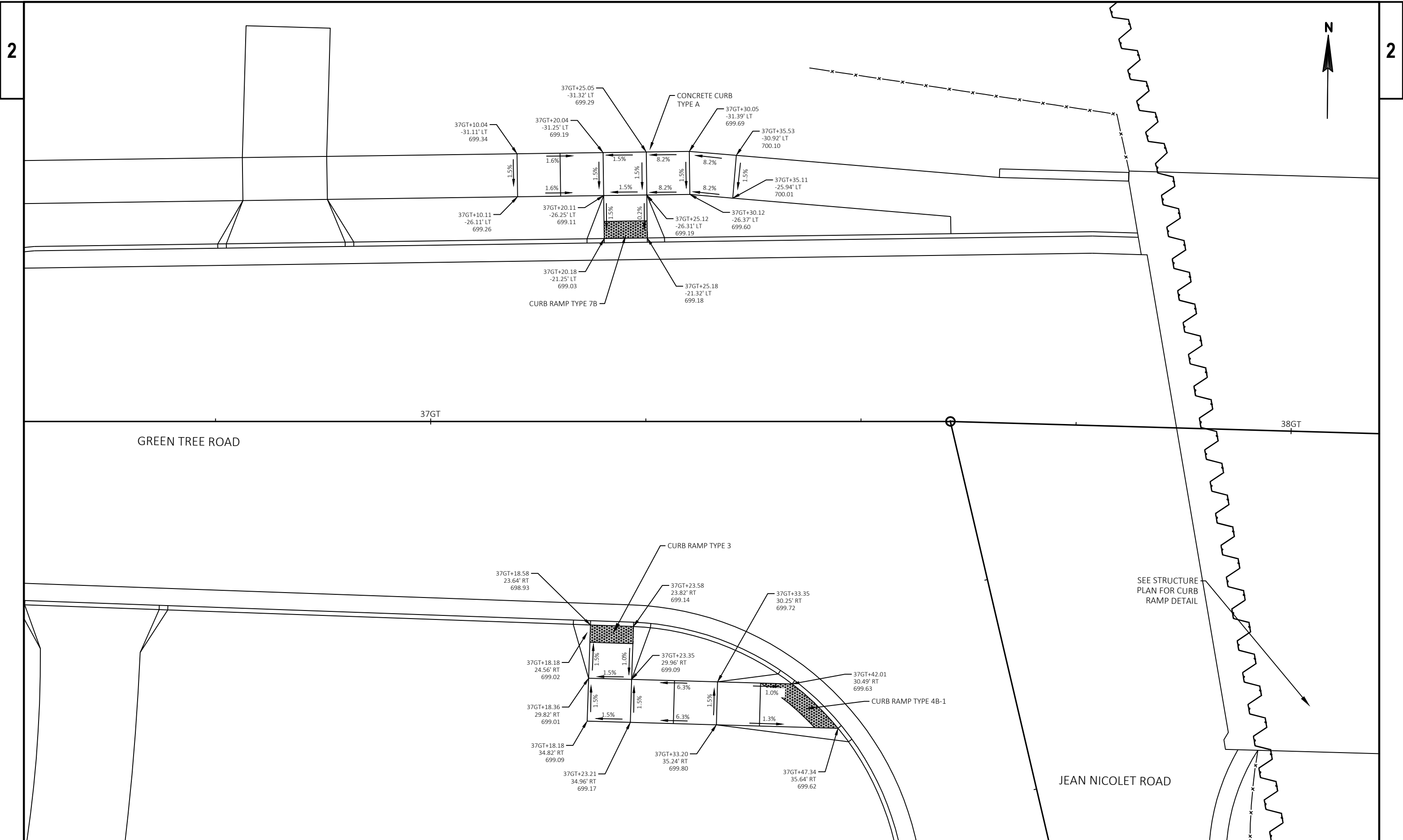
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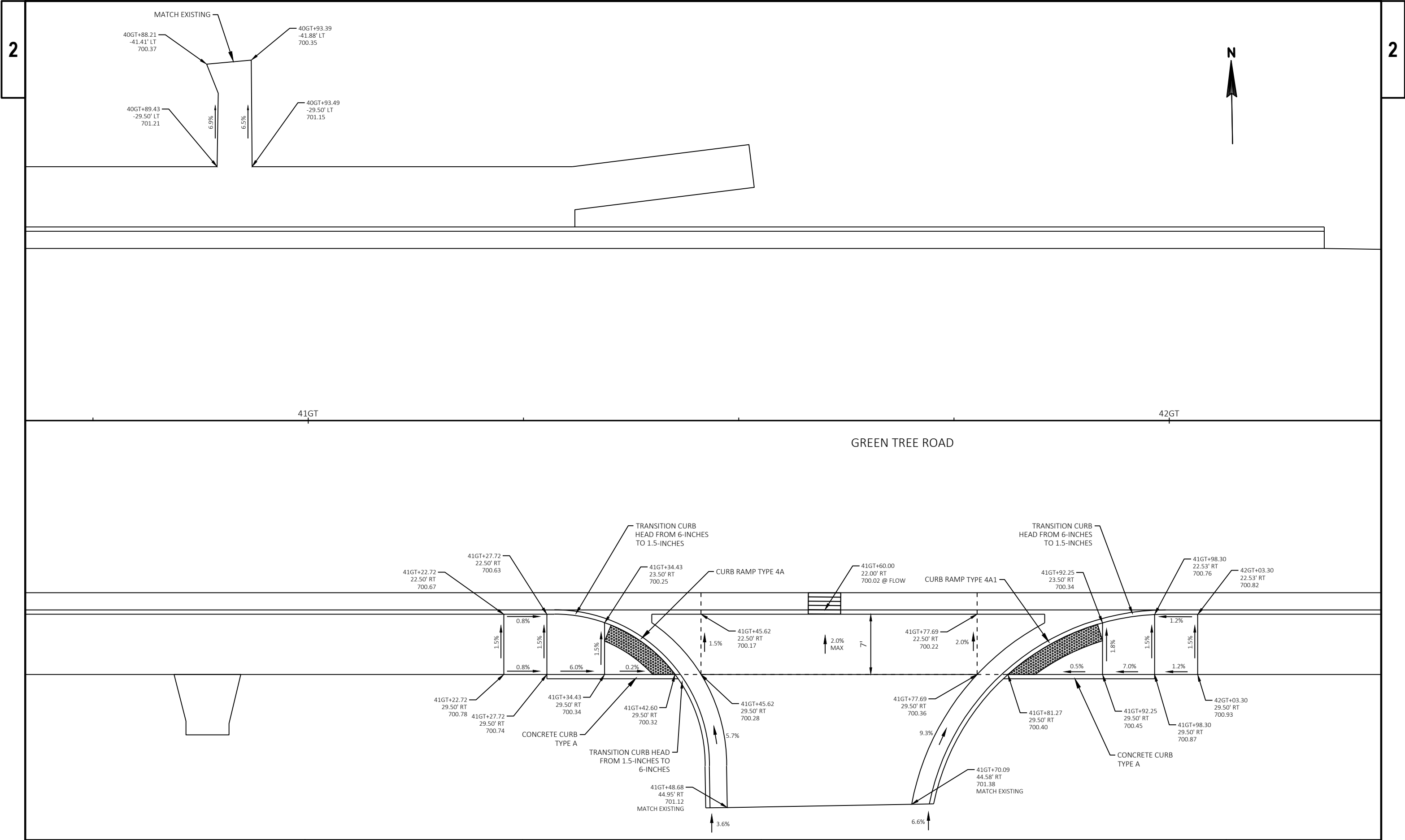
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E
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PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CURB RAMP DETAILS: ELM TREE ROAD	SHEET	E
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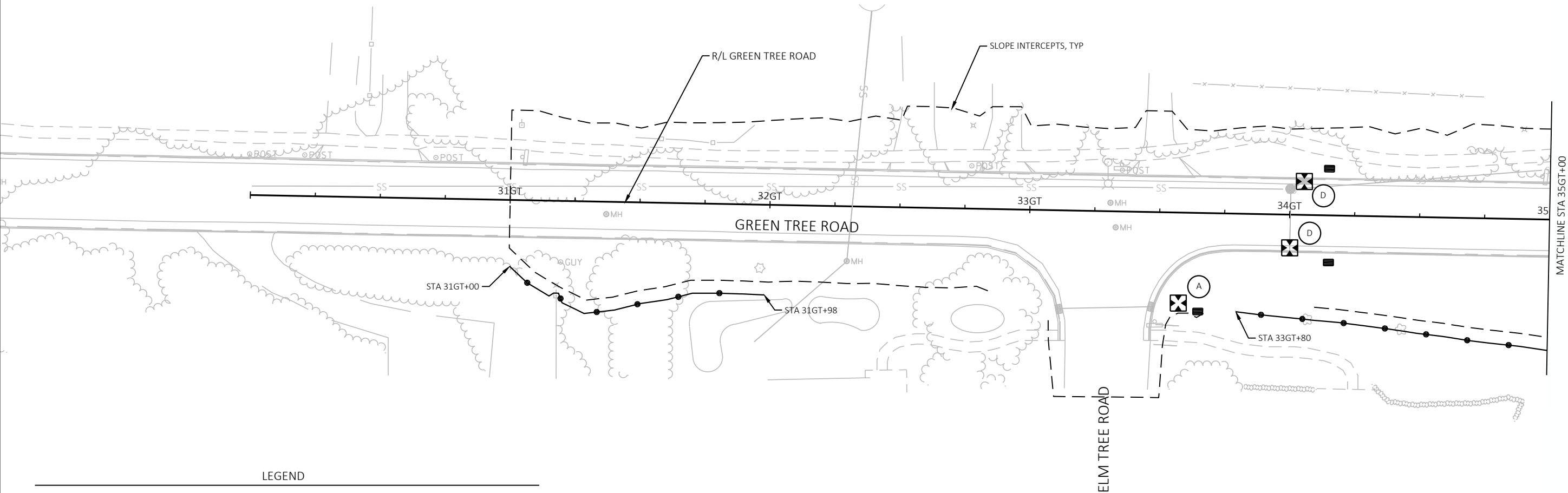


PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CURB RAMP DETAILS: JEAN NICOLET ROAD	SHEET	E
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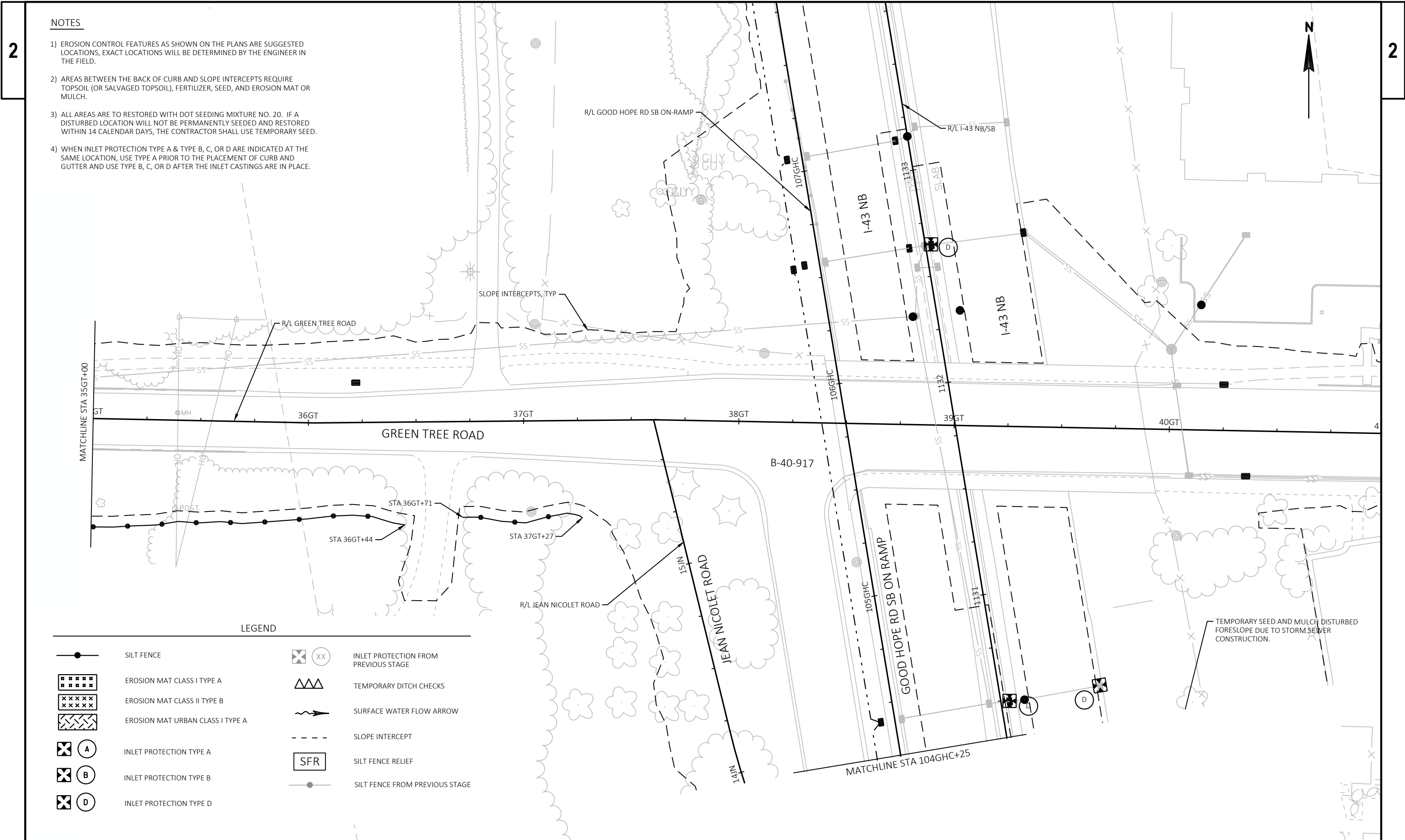
NOTES

- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.
- 3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.
- 4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		



NOTES

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LEGEND

- | | | | |
|--|----------------------------------|--|--------------------------------------|
| | SILT FENCE | | INLET PROTECTION FROM PREVIOUS STAGE |
| | EROSION MAT CLASS I TYPE A | | TEMPORARY DITCH CHECKS |
| | EROSION MAT CLASS II TYPE B | | SURFACE WATER FLOW ARROW |
| | EROSION MAT URBAN CLASS I TYPE A | | SLOPE INTERCEPT |
| | INLET PROTECTION TYPE A | | SILT FENCE RELIEF |
| | INLET PROTECTION TYPE B | | SILT FENCE FROM PREVIOUS STAGE |
| | INLET PROTECTION TYPE D | | |

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

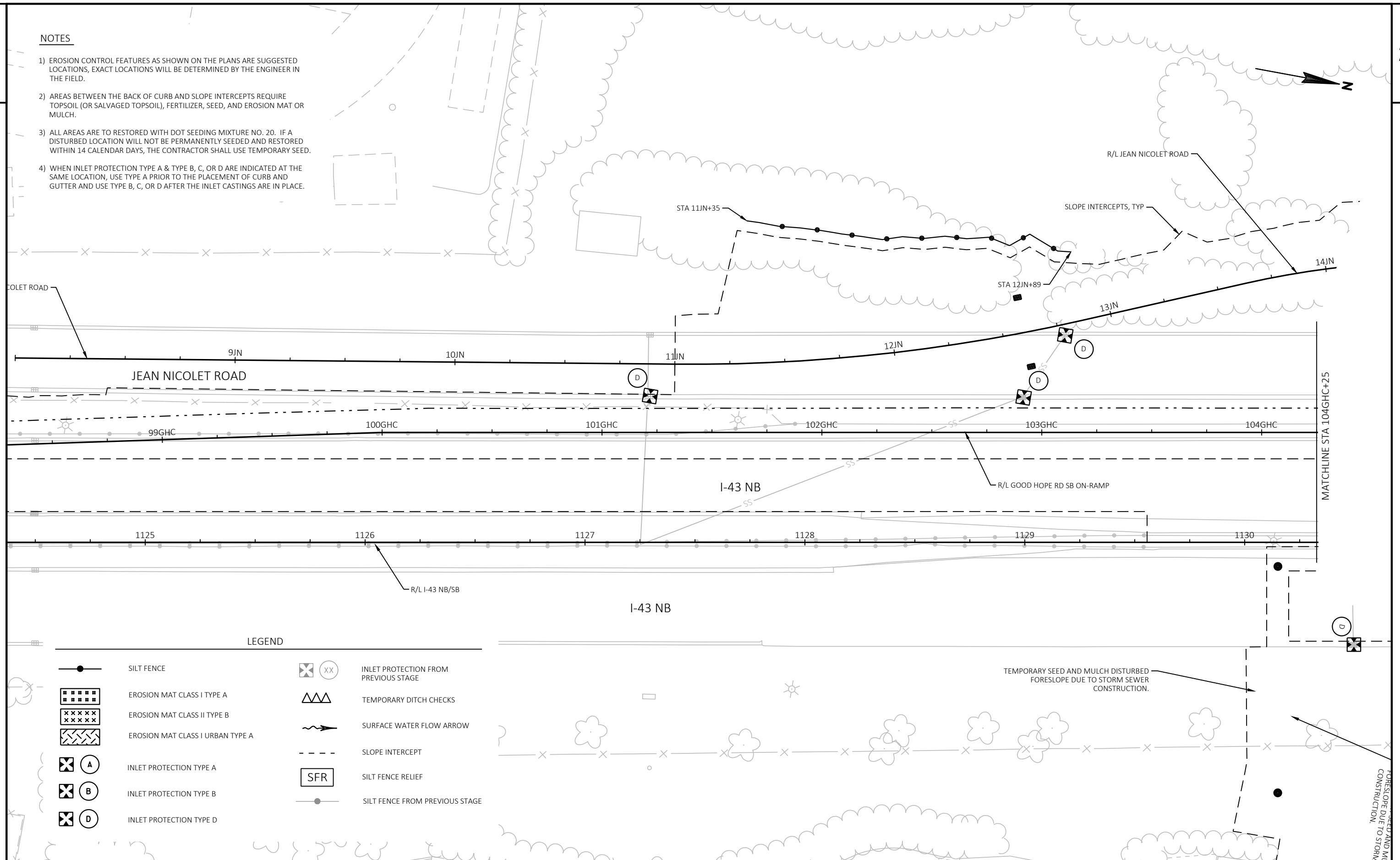
EROSION CONTROL - STAGE 1A

SHEET

E

NOTES

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PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

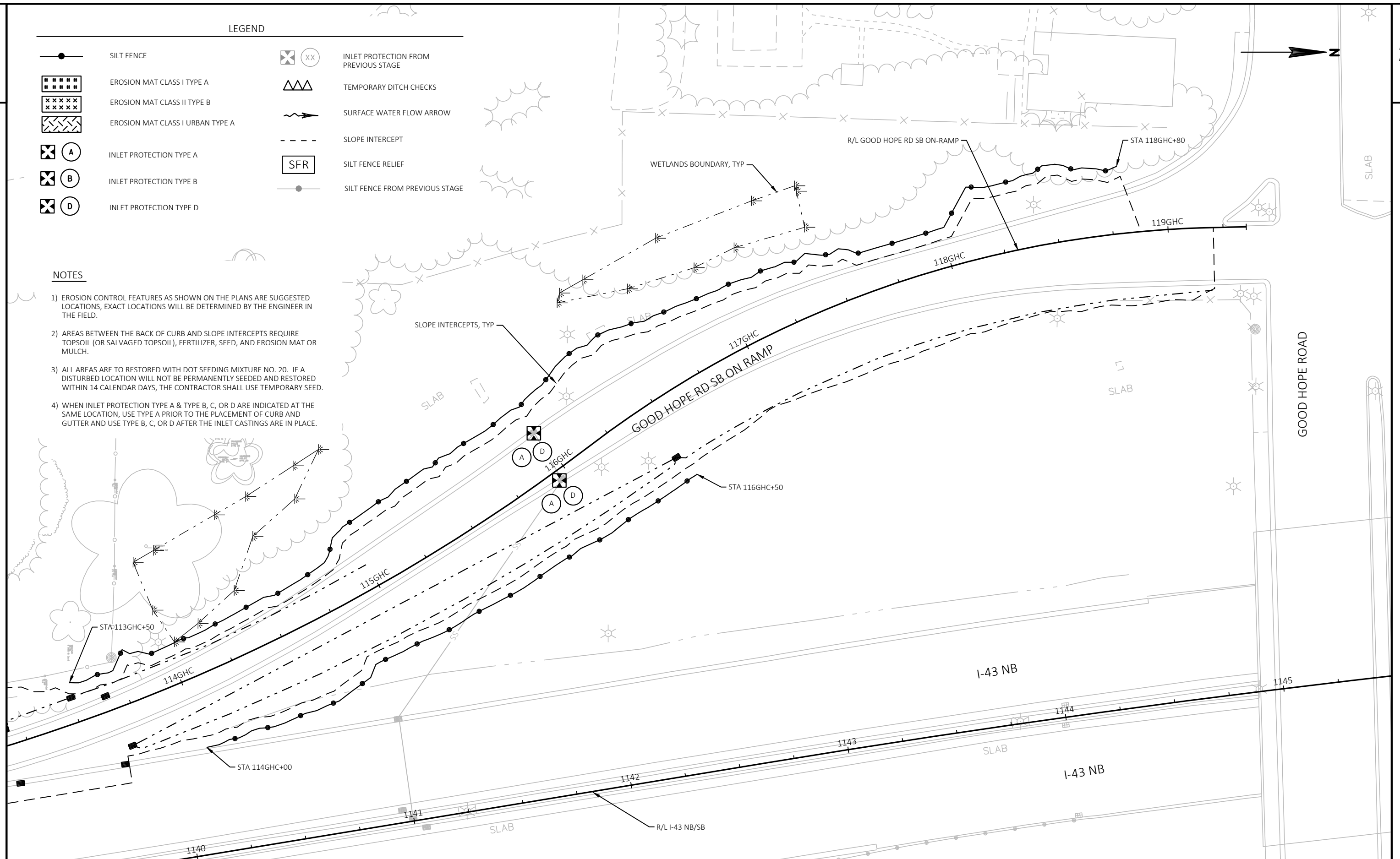
EROSION CONTROL - STAGE 1A

SHEET

E

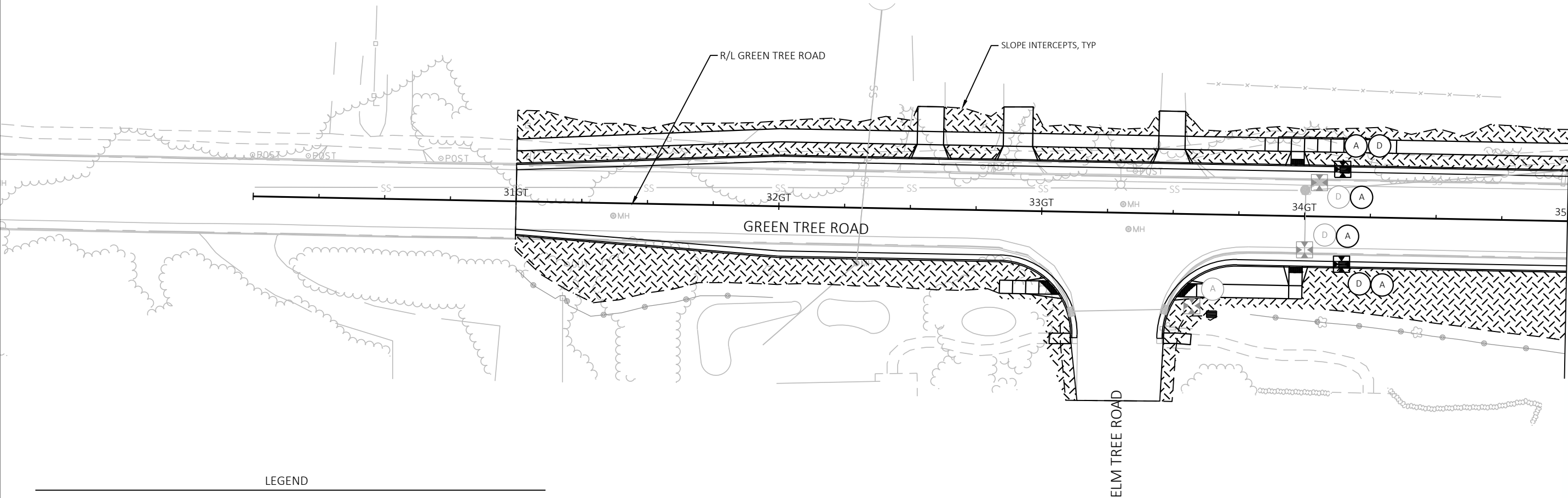
	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT CLASS I URBAN TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
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NOTES

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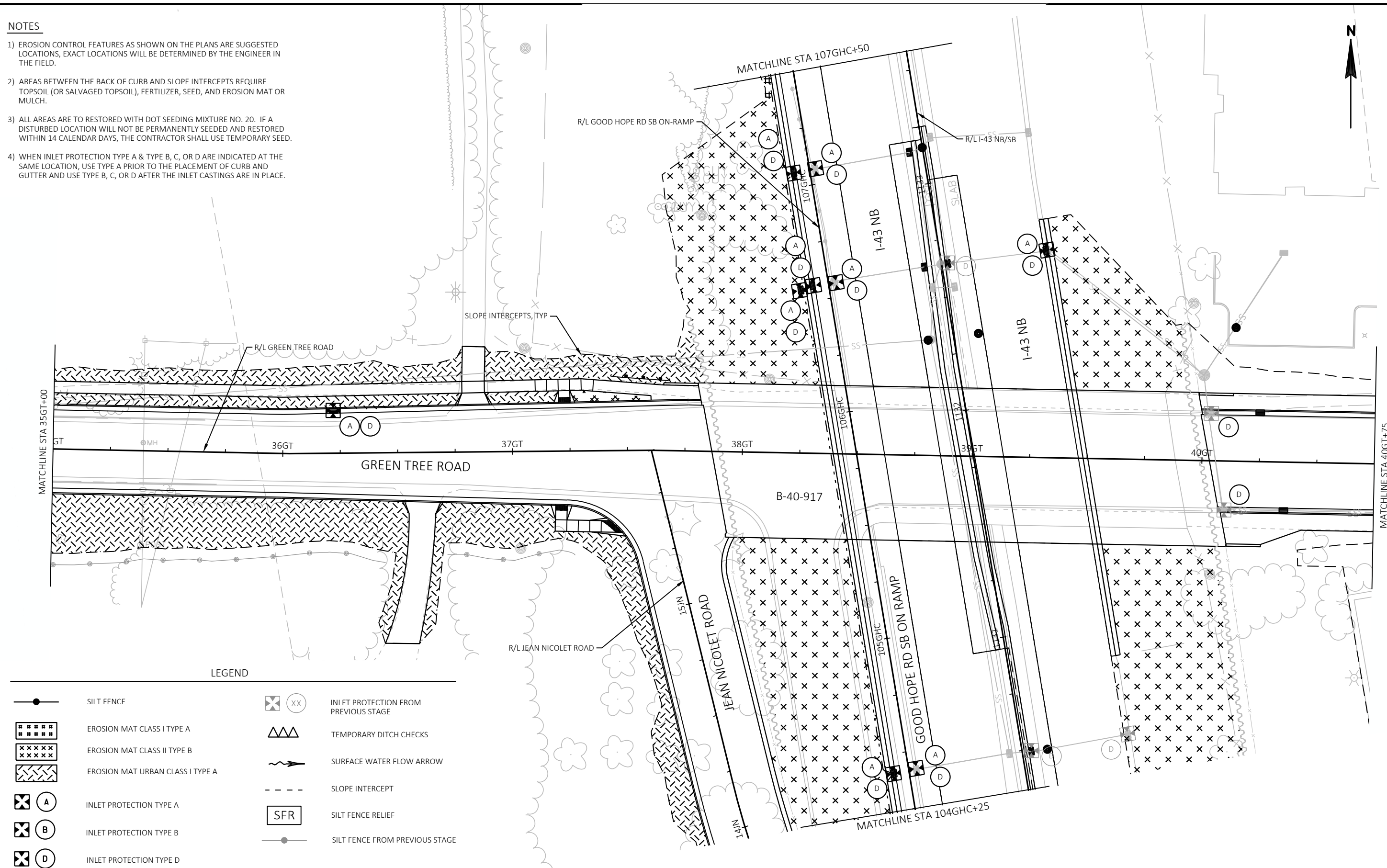


LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

NOTES

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PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

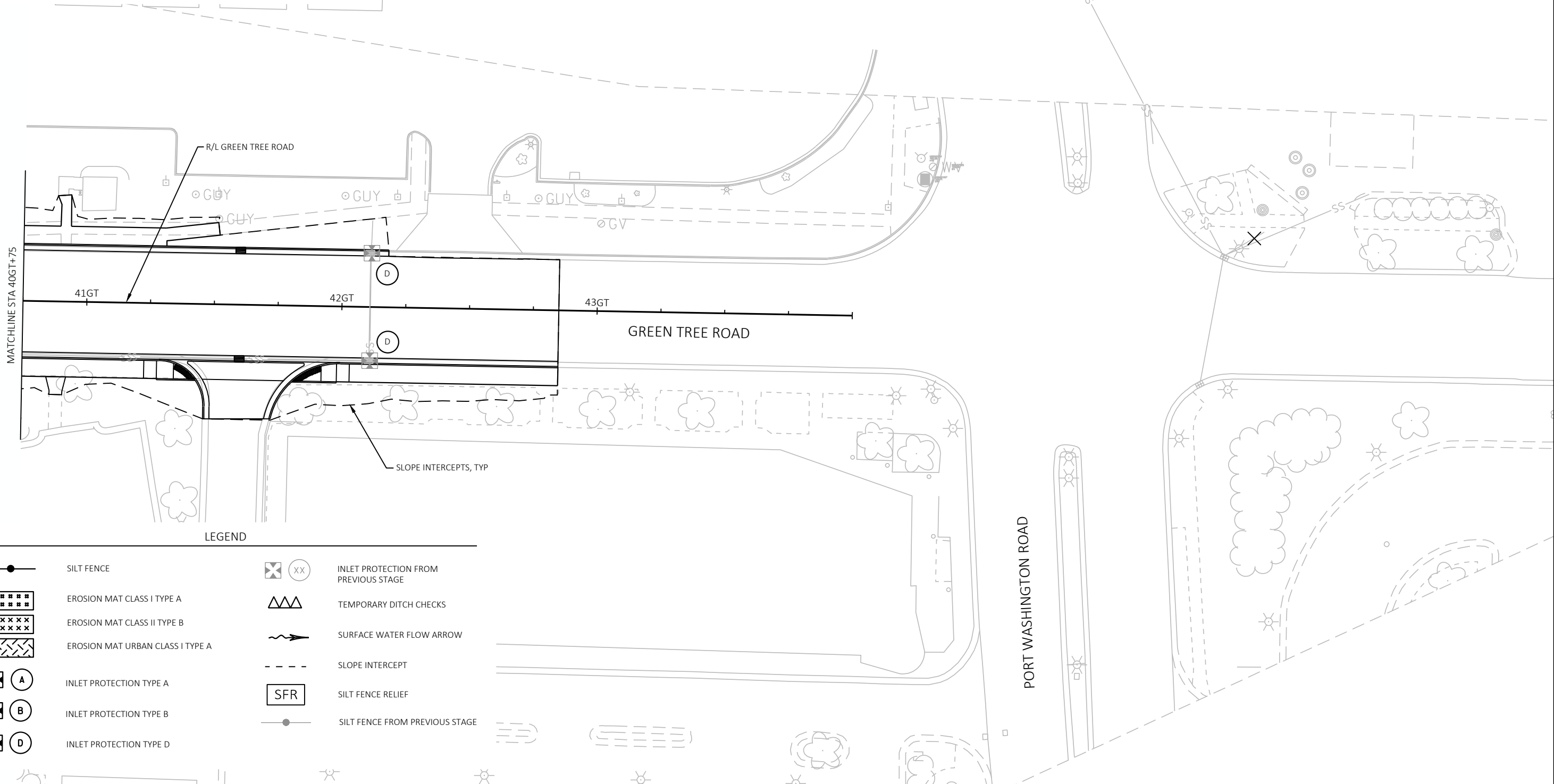
EROSION CONTROL - STAGE 2A

SHEET

E

NOTES

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LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

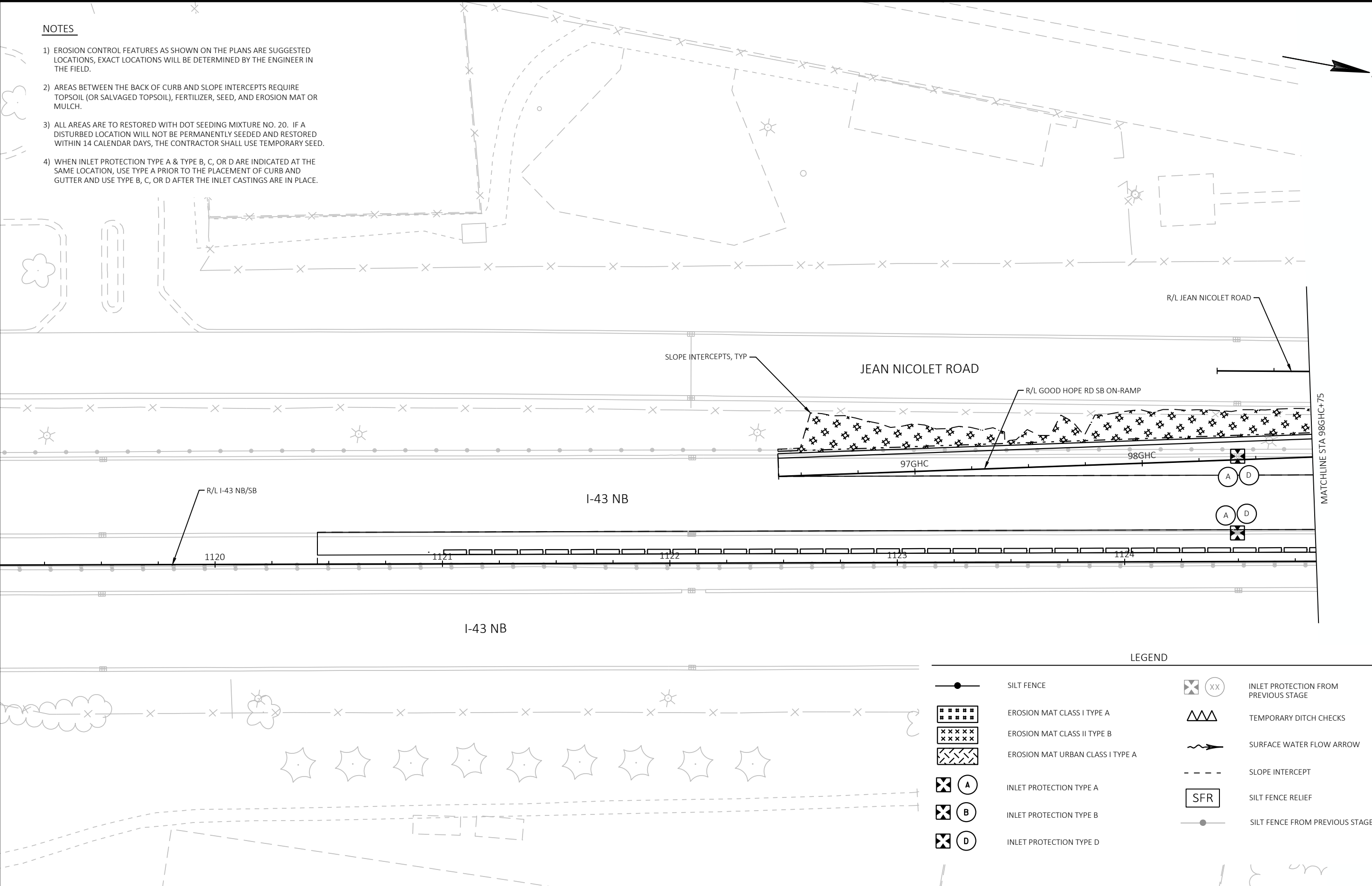
EROSION CONTROL - STAGE 2A

SHEET

E

NOTES

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LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

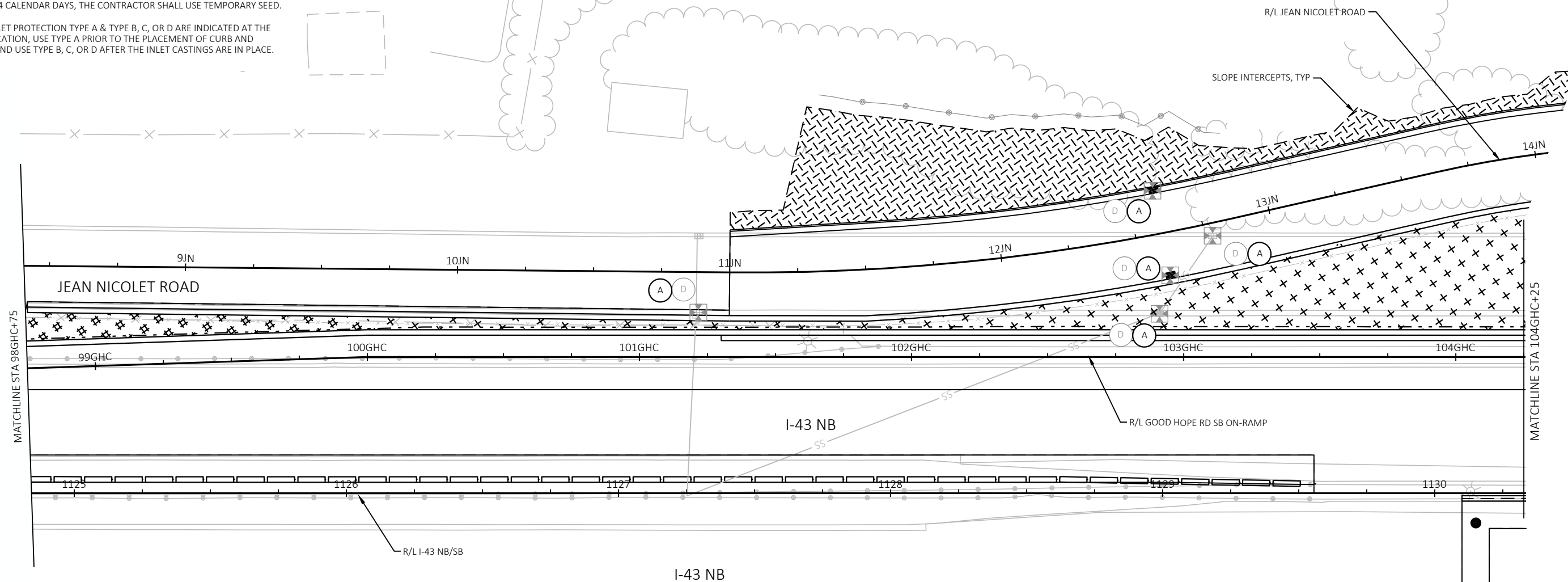
EROSION CONTROL - STAGE 2A

SHEET

E

NOTES

- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.
- 3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.
- 4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

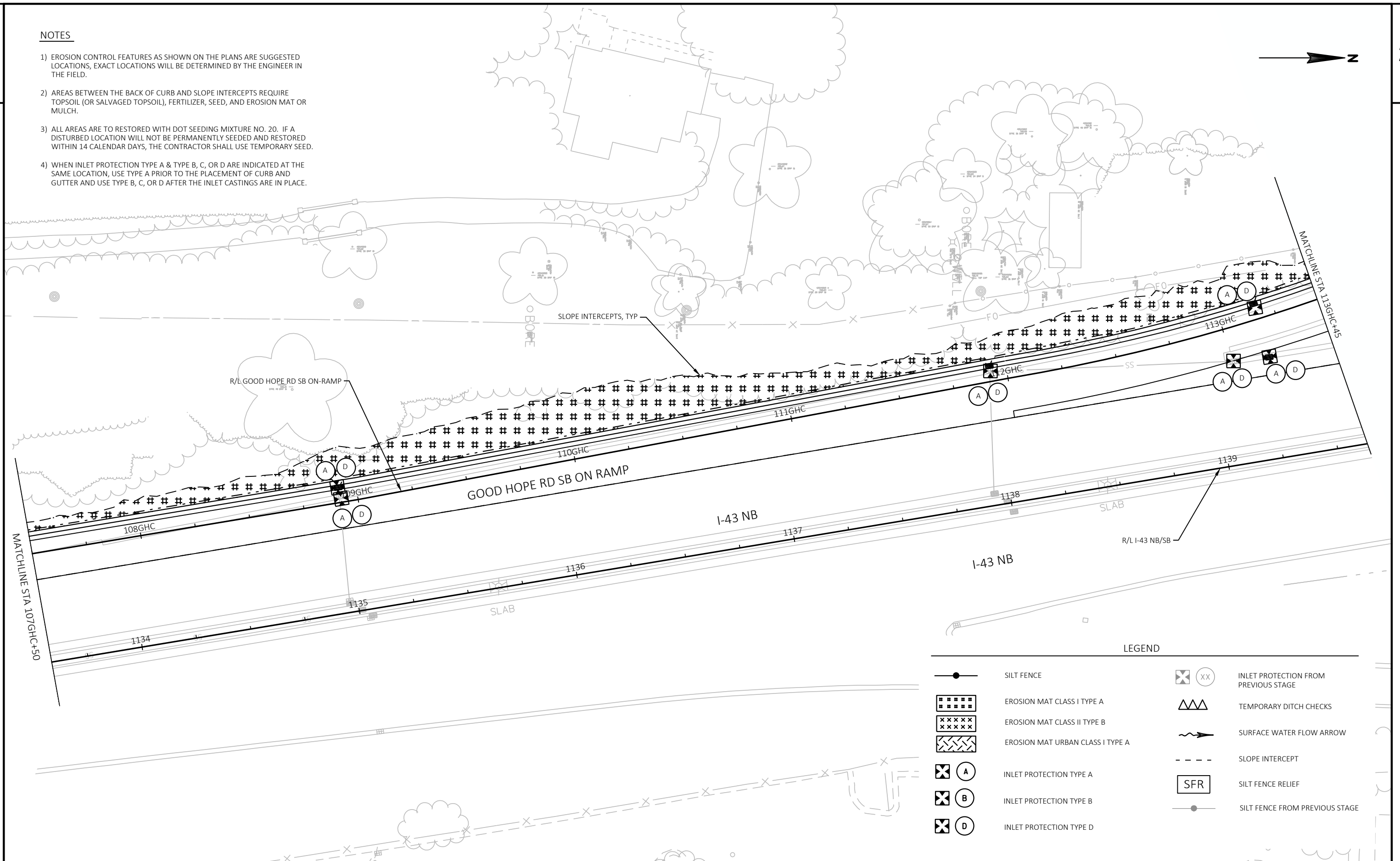
EROSION CONTROL - STAGE 2A

SHEET

E

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PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

EROSION CONTROL - STAGE 2A

SHEET

E

LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

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SLOPE INTERCEPTS, TYP

WETLANDS BOUNDARY, TYP

R/L GOOD HOPE RD SB ON-RAMP

119GHC

118GHC

117GHC

SLAB

GOOD HOPE RD SB ON RAMP

116GHC

115GHC

114GHC

I-43 NB

1145

I-43 NB

1143

1142

SLAB

R/L I-43 NB/SB

1140

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

EROSION CONTROL - STAGE 2A

SHEET

E

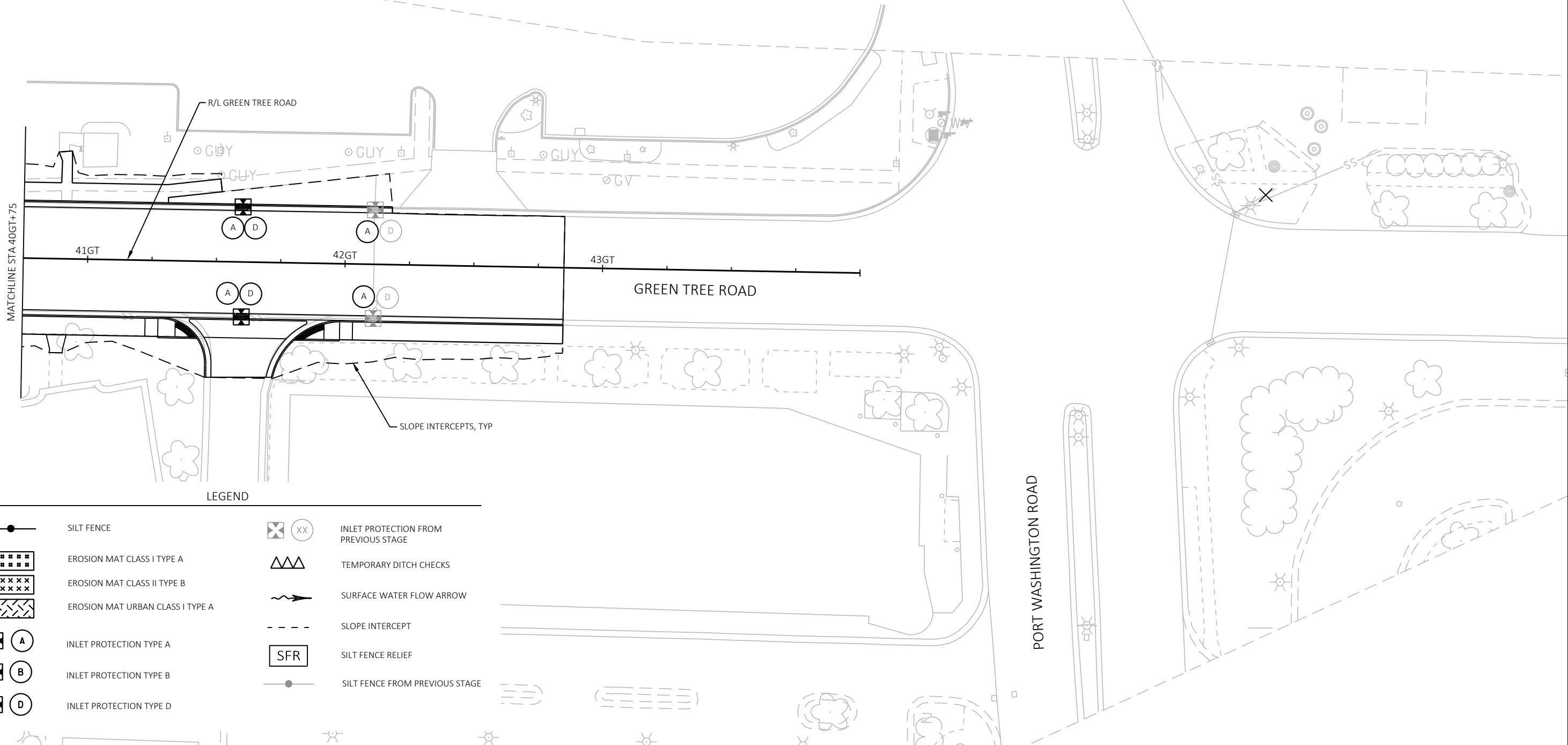
- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.
- 3) RESTORATION AREAS BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40. AREAS BETWEEN THE BACK OF SIDEWALK AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 10
- 4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND			
	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

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LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

PROJECT NO: 1228-16-71

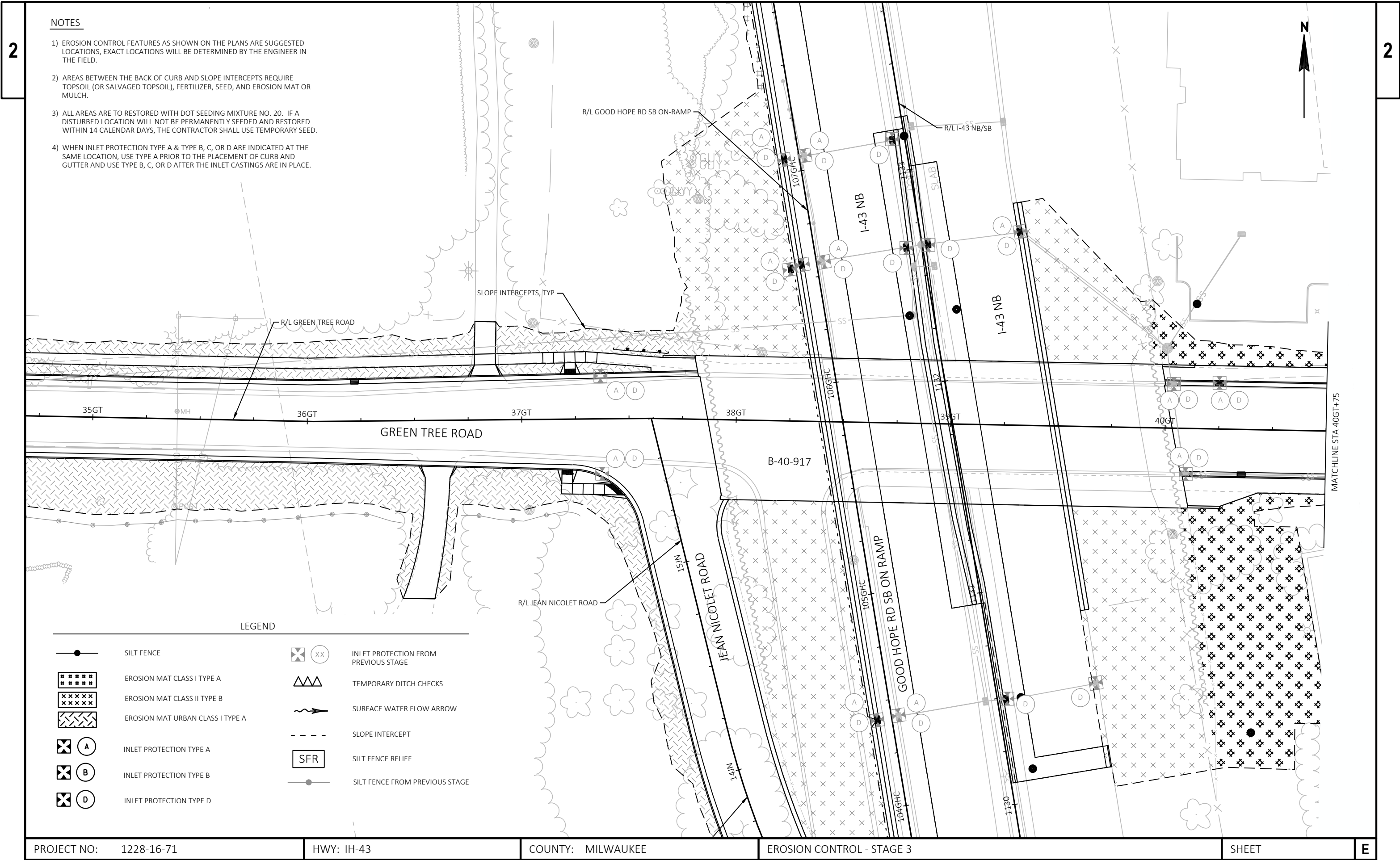
HWY: IH-43

COUNTY: MILWAUKEE

EROSION CONTROL - STAGE 2B

SHEET

E



NOTES

- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
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- 3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.
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LEGEND

- | | | | |
|--|----------------------------------|--|--------------------------------------|
| | SILT FENCE | | INLET PROTECTION FROM PREVIOUS STAGE |
| | EROSION MAT CLASS I TYPE A | | TEMPORARY DITCH CHECKS |
| | EROSION MAT CLASS II TYPE B | | SURFACE WATER FLOW ARROW |
| | EROSION MAT URBAN CLASS I TYPE A | | SLOPE INTERCEPT |
| | INLET PROTECTION TYPE A | | SILT FENCE RELIEF |
| | INLET PROTECTION TYPE B | | SILT FENCE FROM PREVIOUS STAGE |
| | INLET PROTECTION TYPE D | | |

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

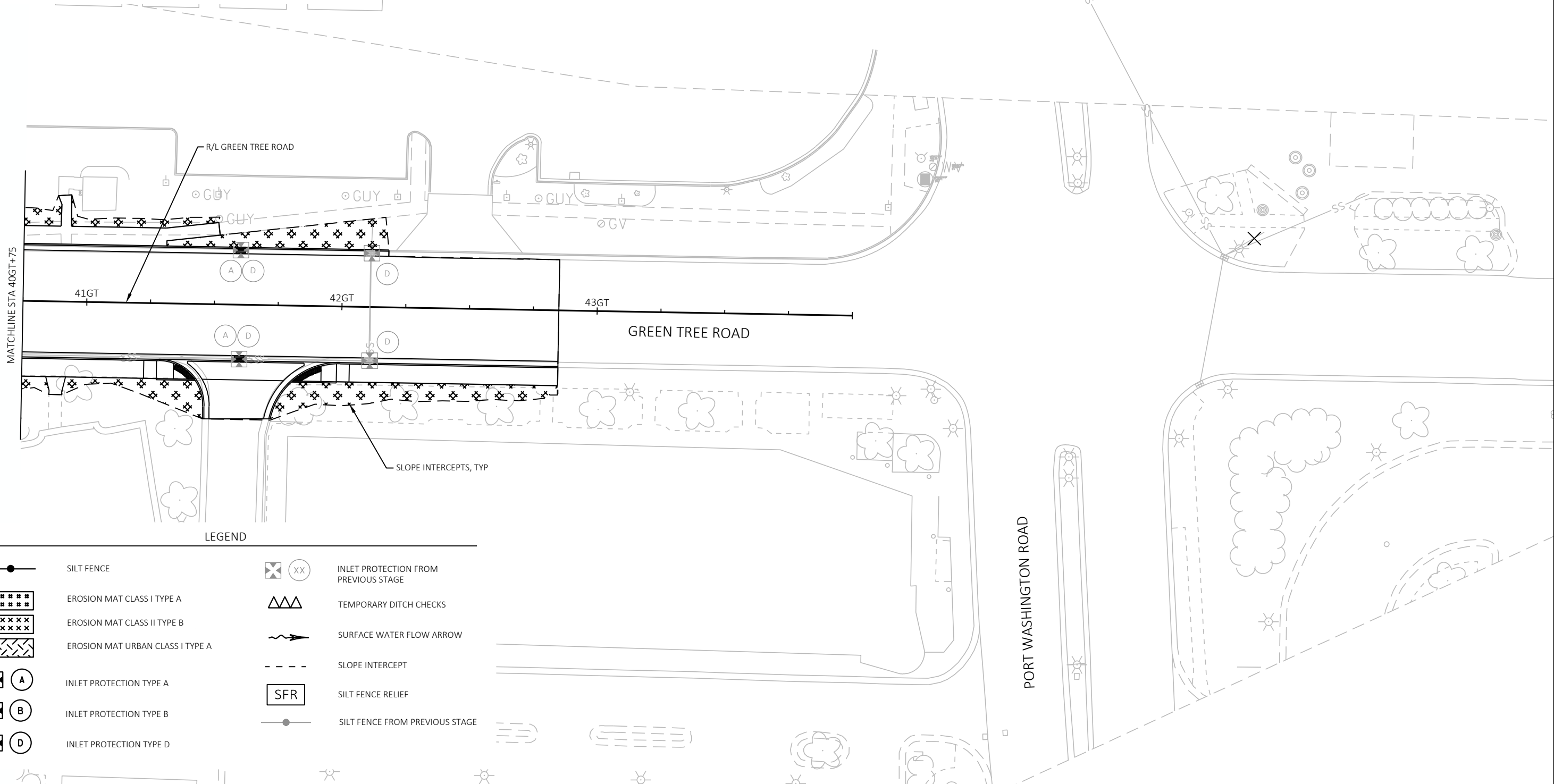
EROSION CONTROL - STAGE 3

SHEET

E

NOTES

- 1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
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LEGEND

	SILT FENCE		INLET PROTECTION FROM PREVIOUS STAGE
	EROSION MAT CLASS I TYPE A		TEMPORARY DITCH CHECKS
	EROSION MAT CLASS II TYPE B		SURFACE WATER FLOW ARROW
	EROSION MAT URBAN CLASS I TYPE A		SLOPE INTERCEPT
	INLET PROTECTION TYPE A		SILT FENCE RELIEF
	INLET PROTECTION TYPE B		SILT FENCE FROM PREVIOUS STAGE
	INLET PROTECTION TYPE D		

PROJECT NO: 1228-16-71

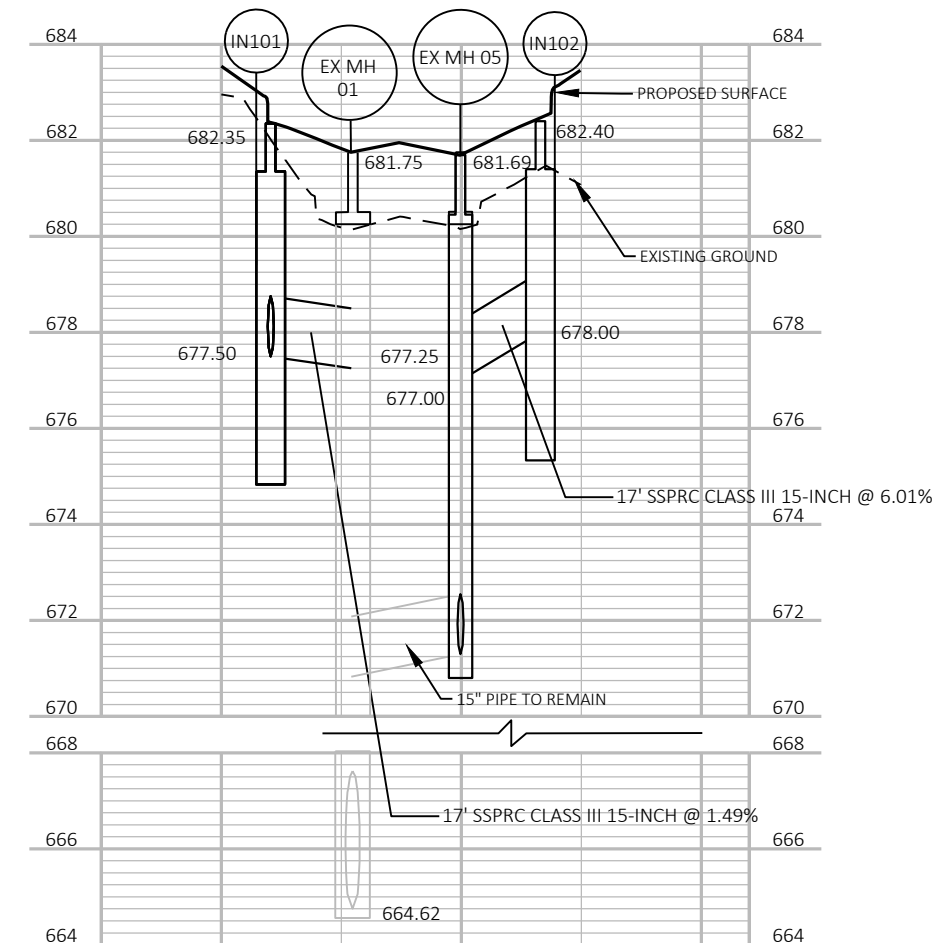
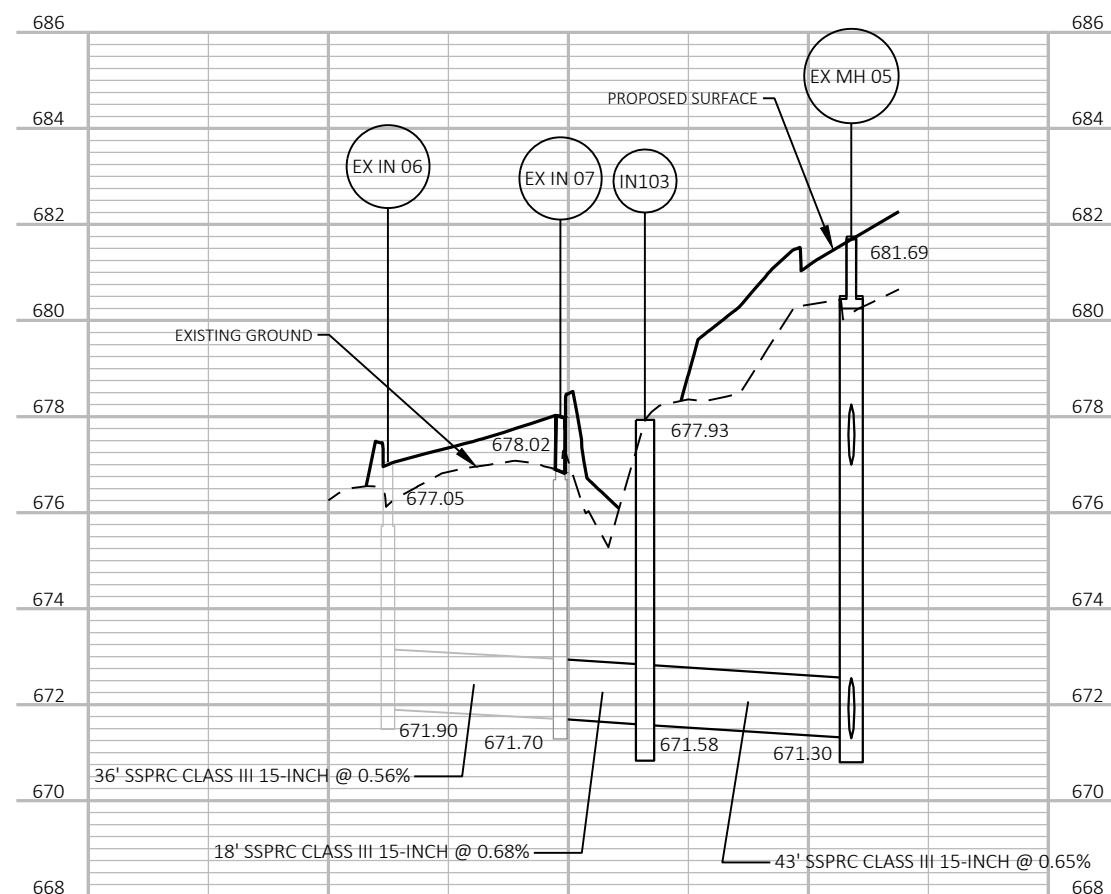
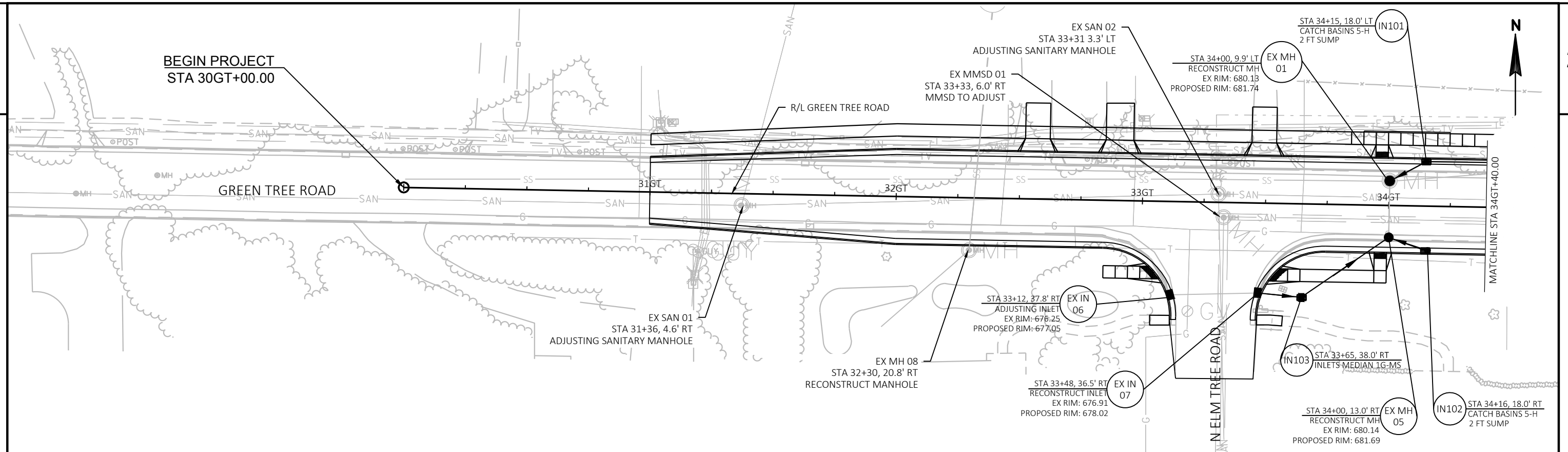
HWY: IH-43

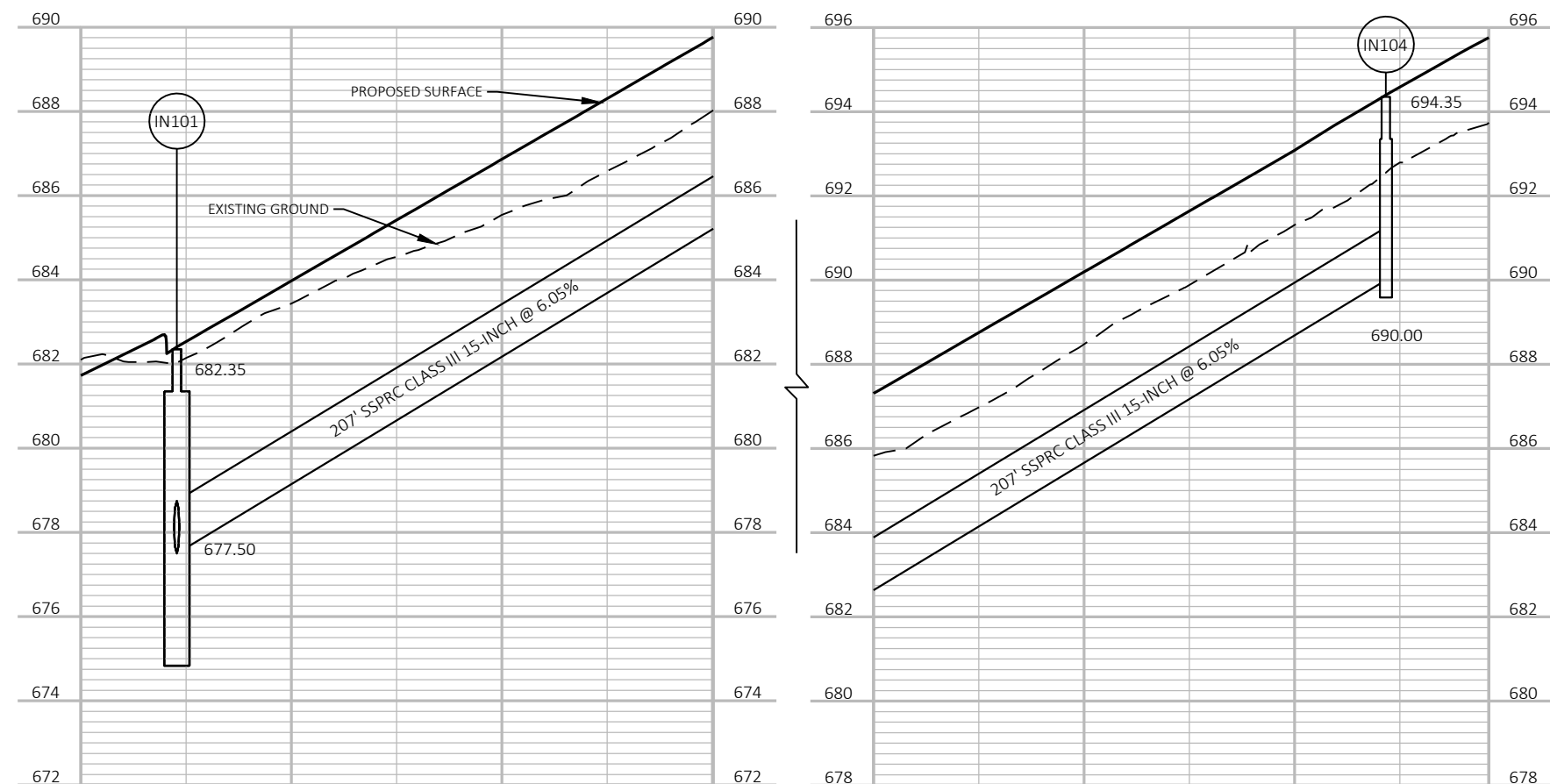
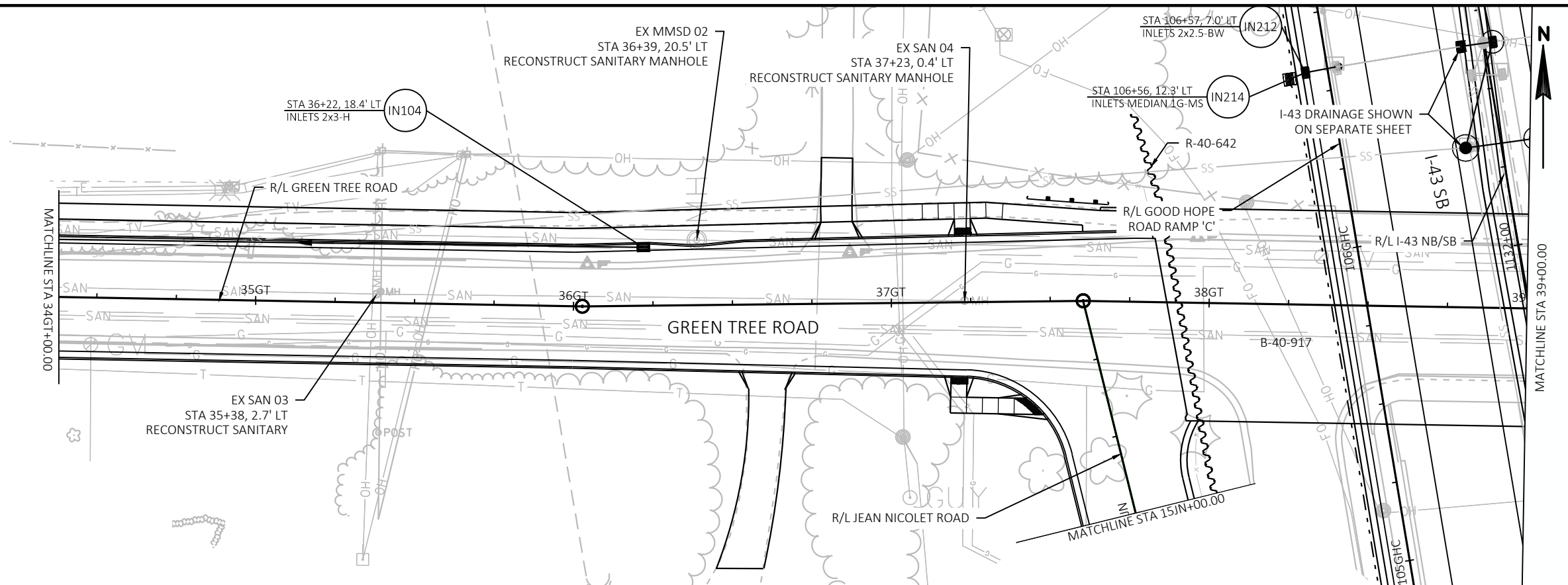
COUNTY: MILWAUKEE

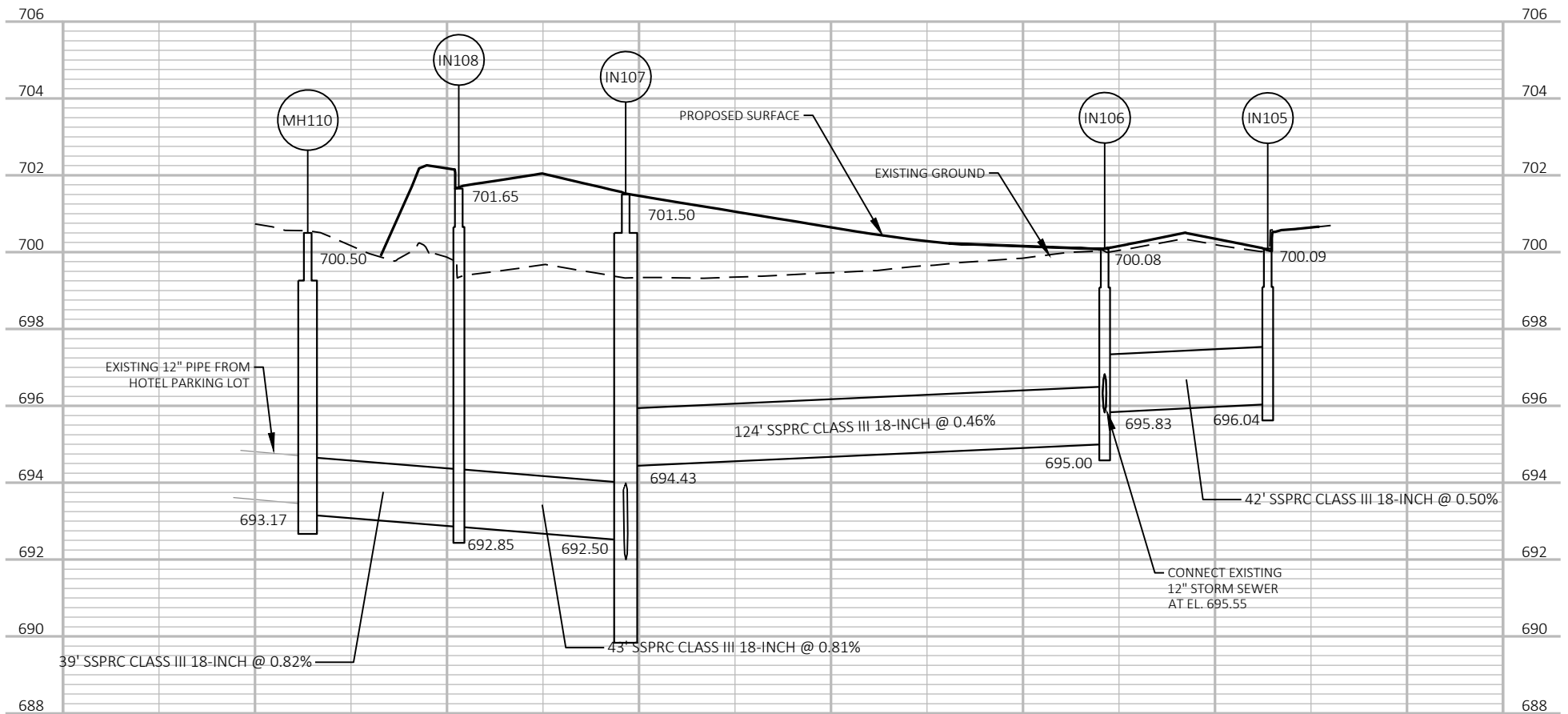
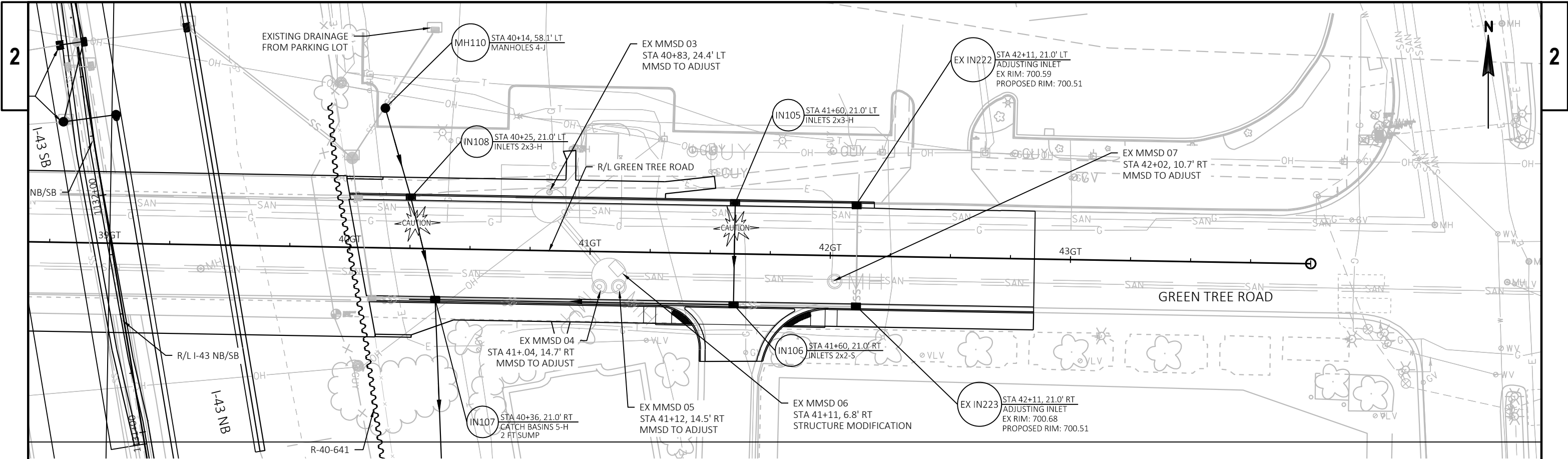
EROSION CONTROL - STAGE 3

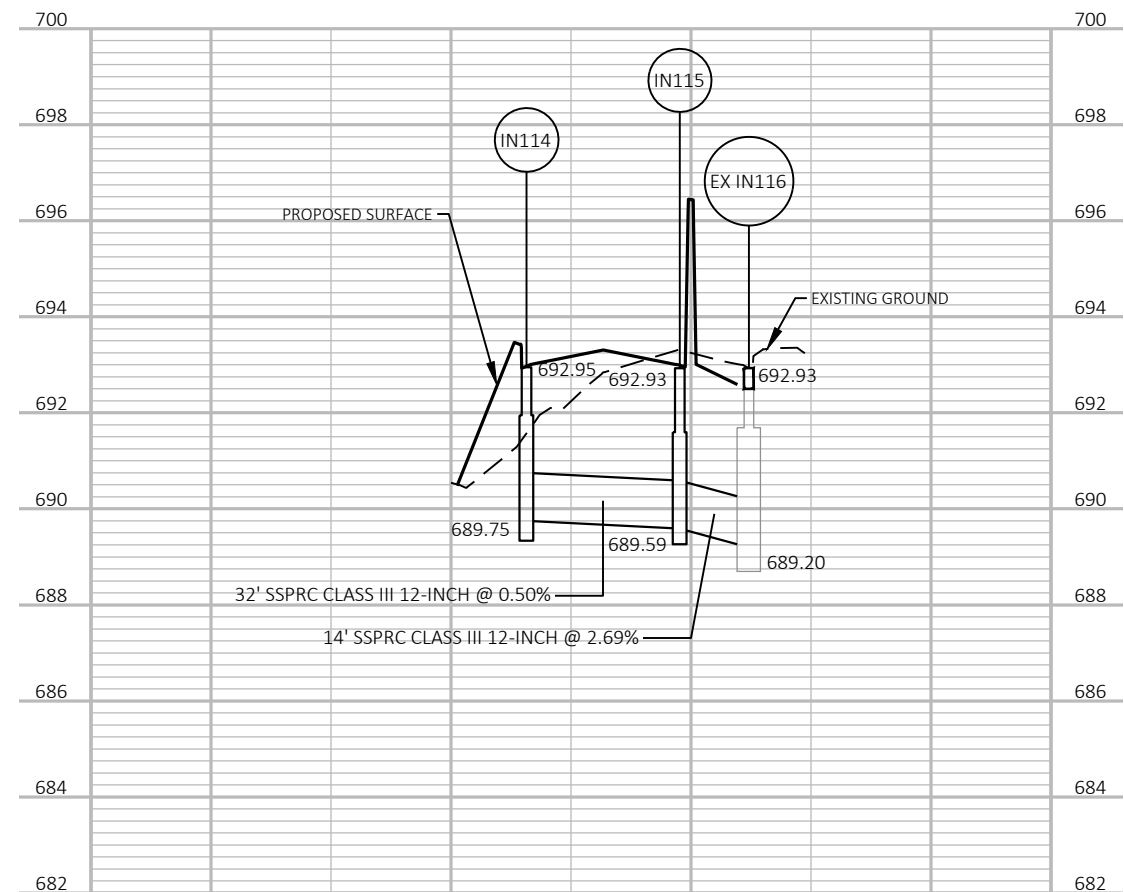
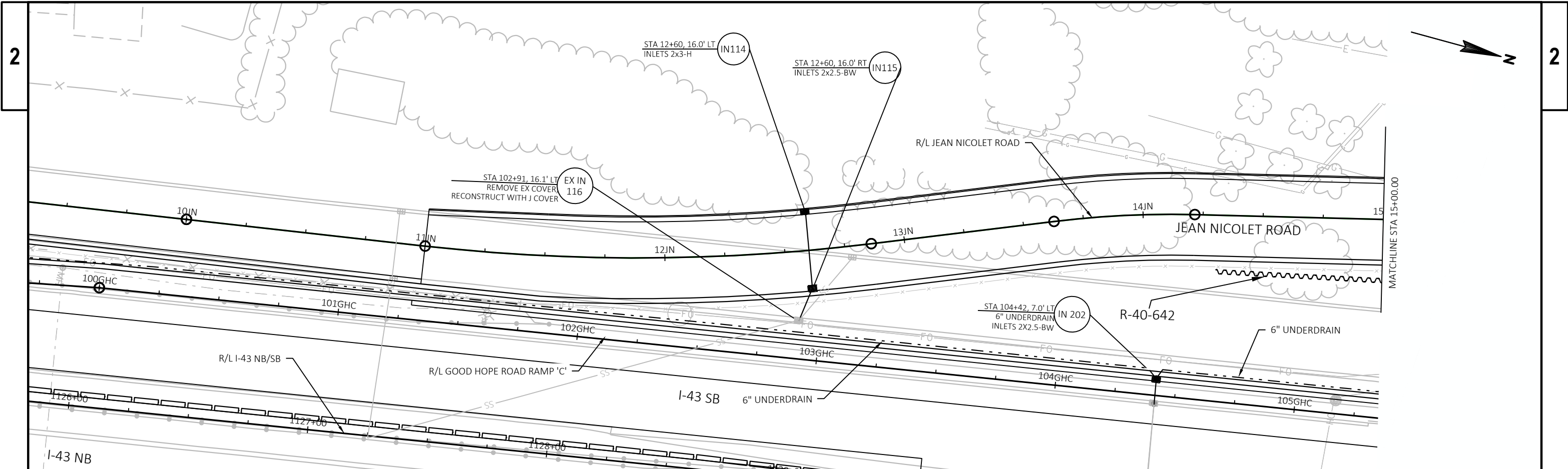
SHEET

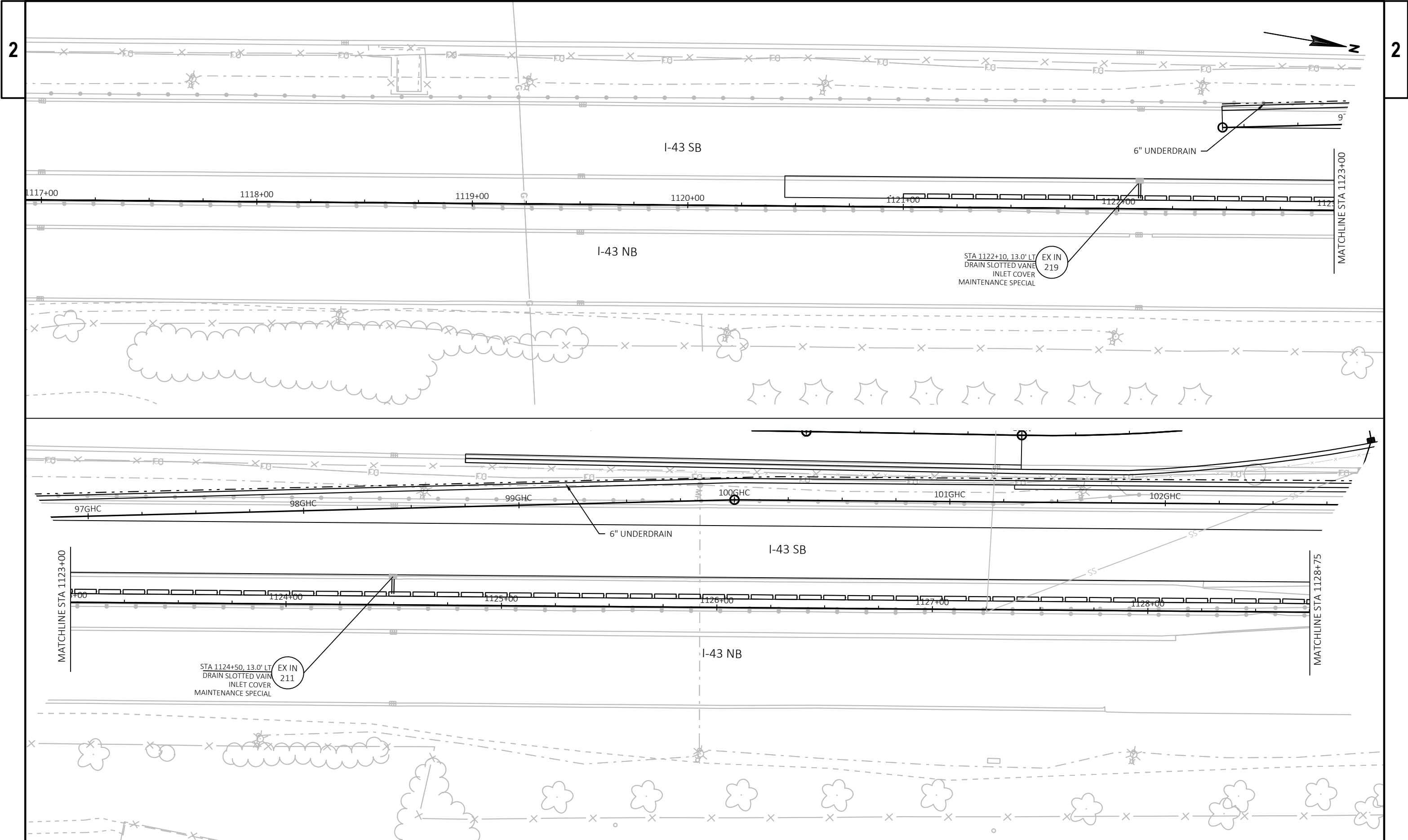
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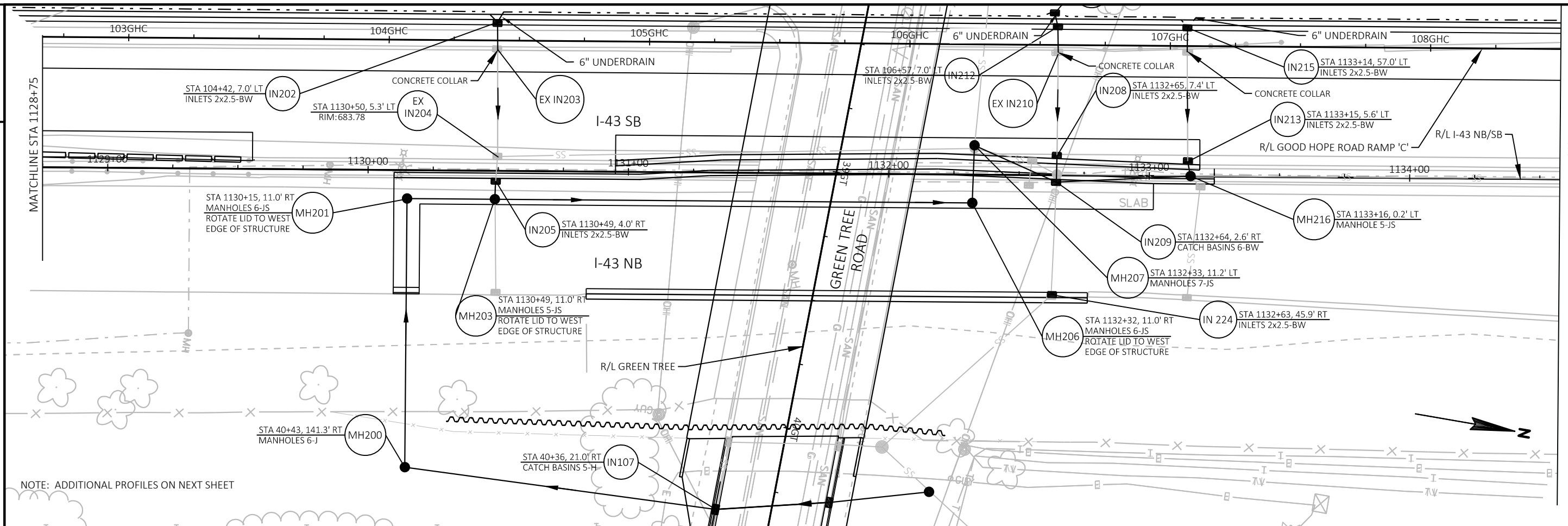




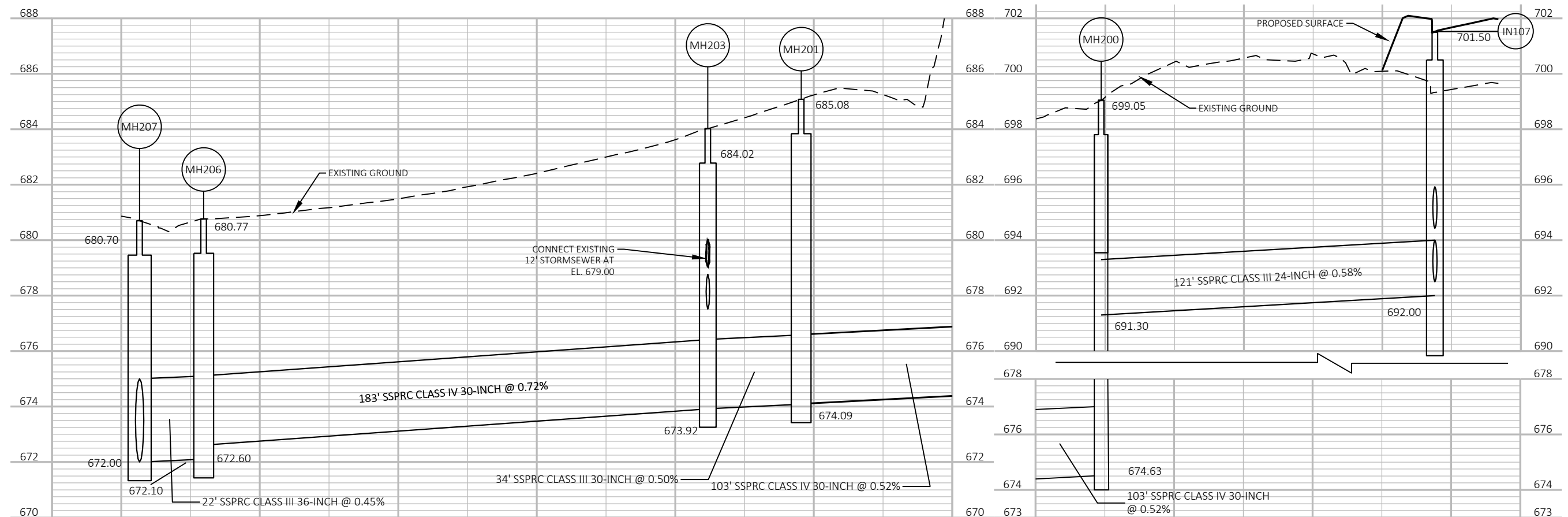




2



NOTE: ADDITIONAL PROFILES ON NEXT SHEET



PROJECT NO:	1228-16-71
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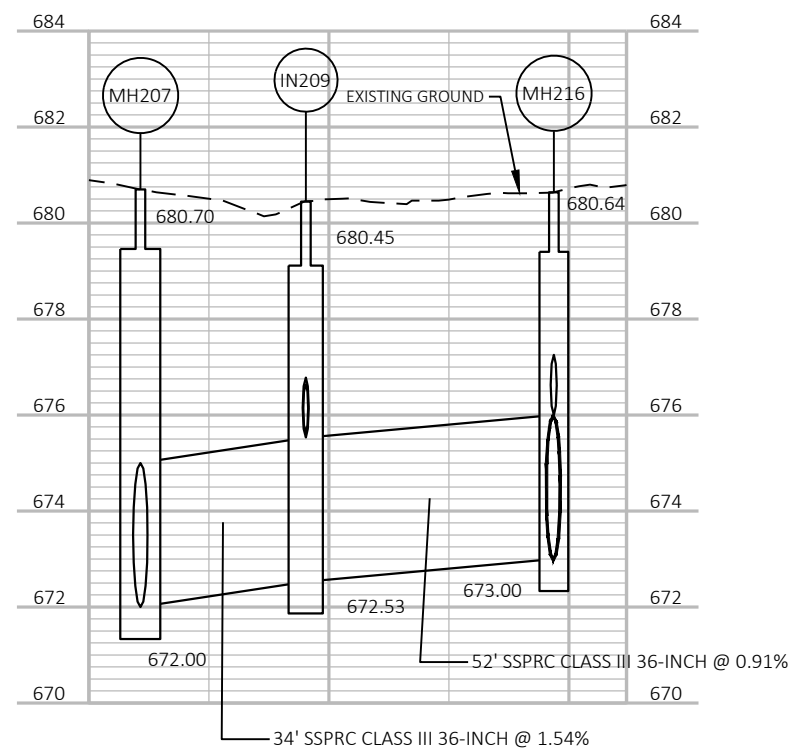
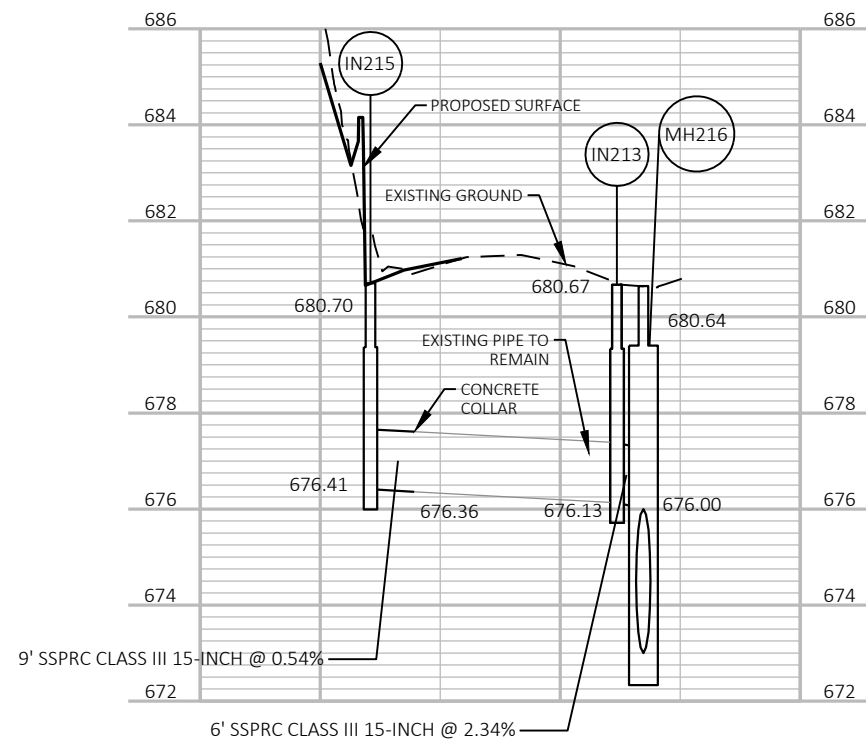
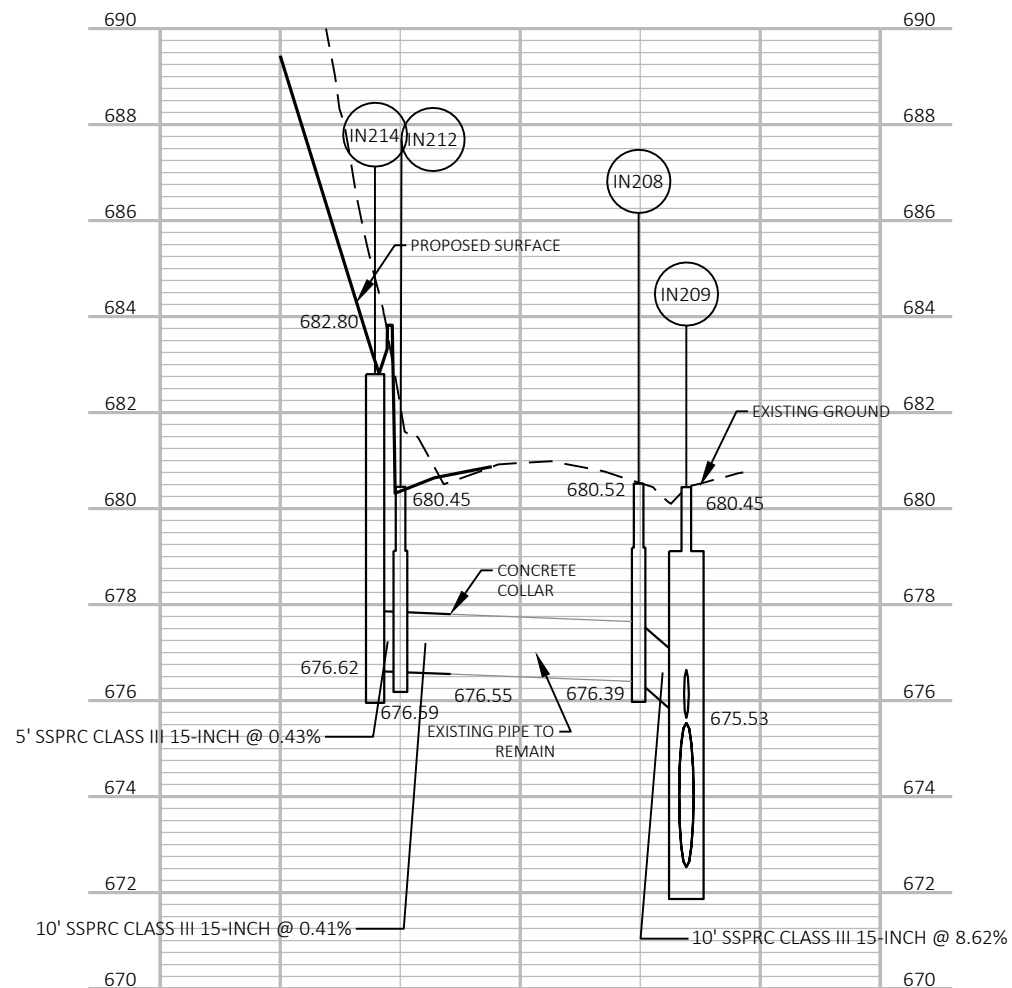
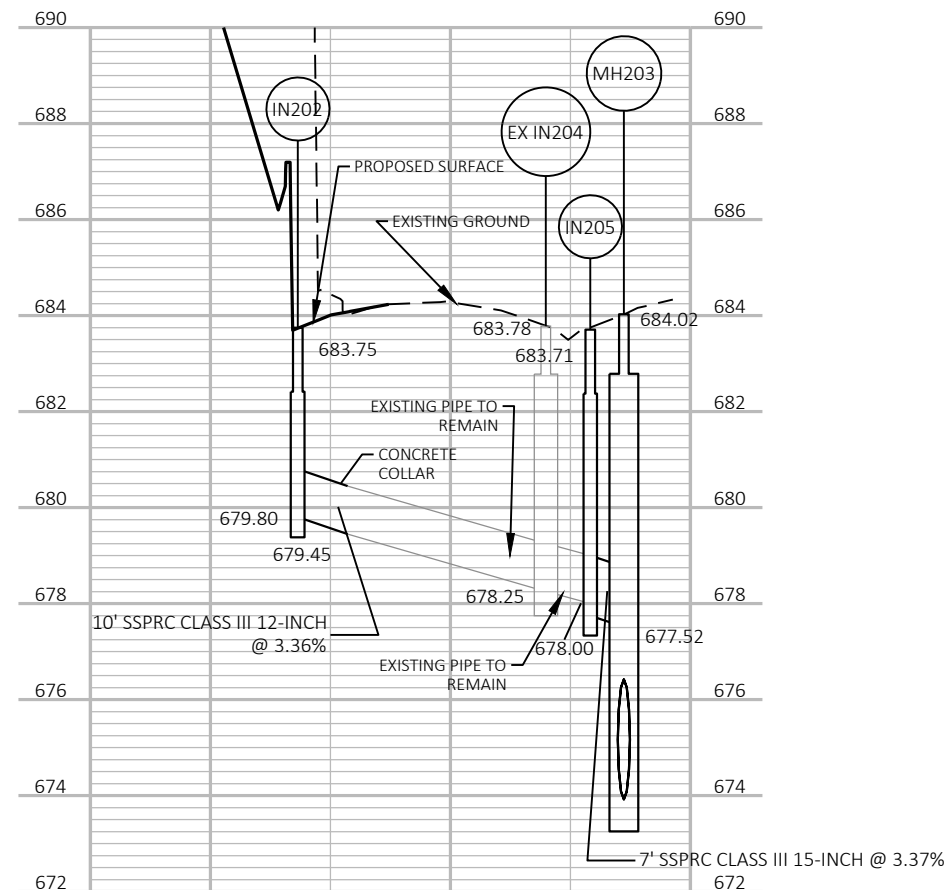
HWY: IH-43

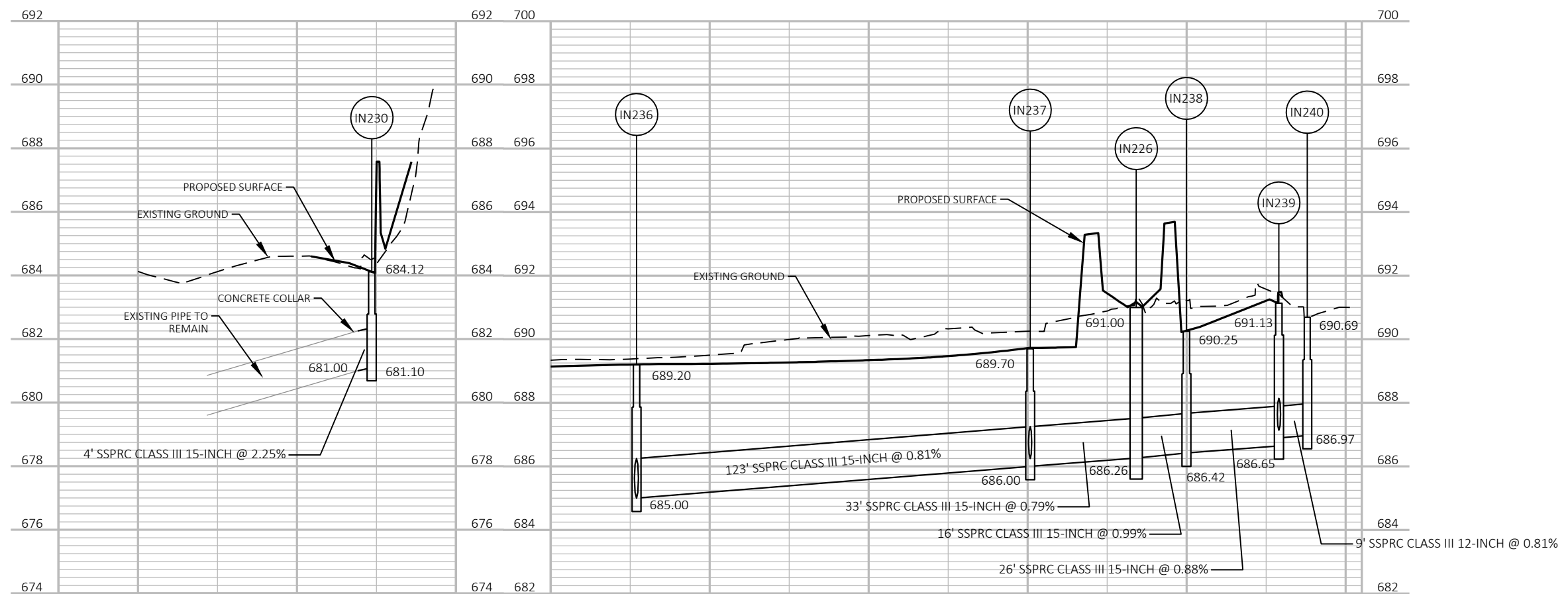
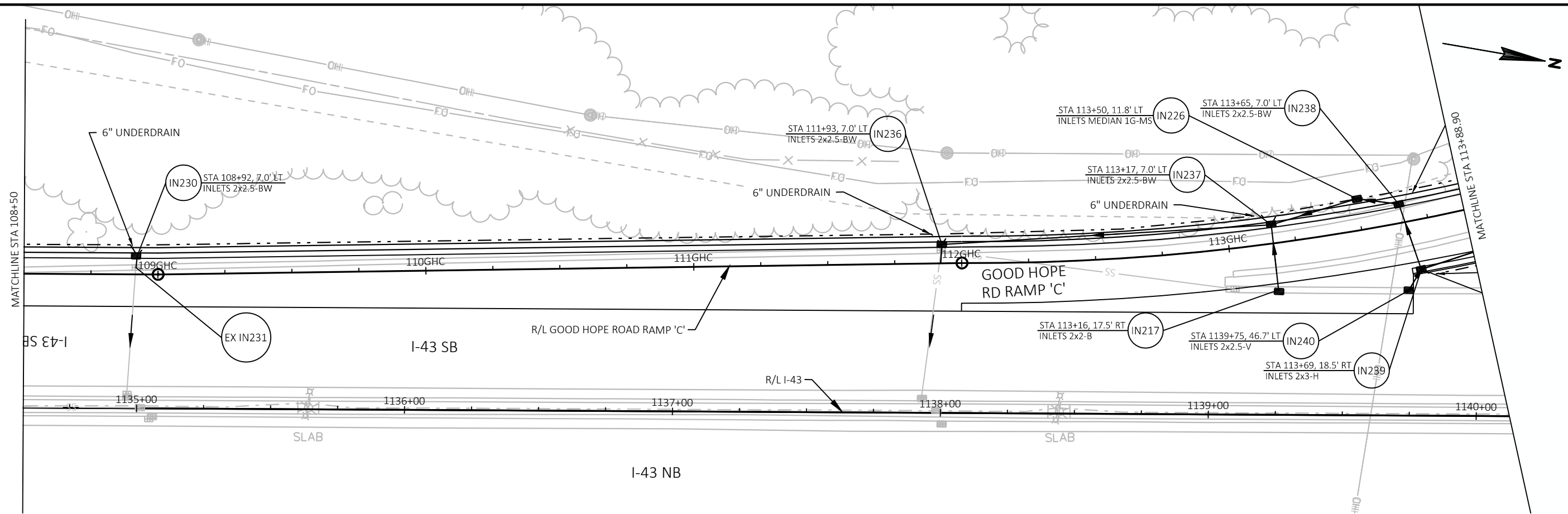
COUNTY: MILWAUKEE

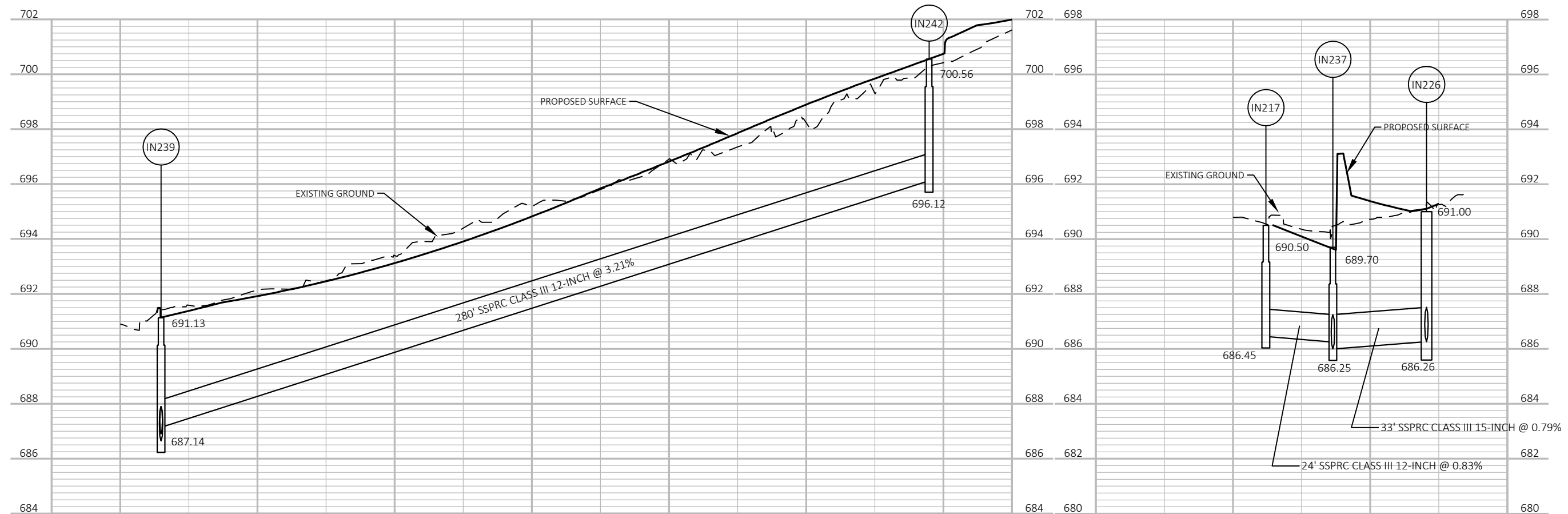
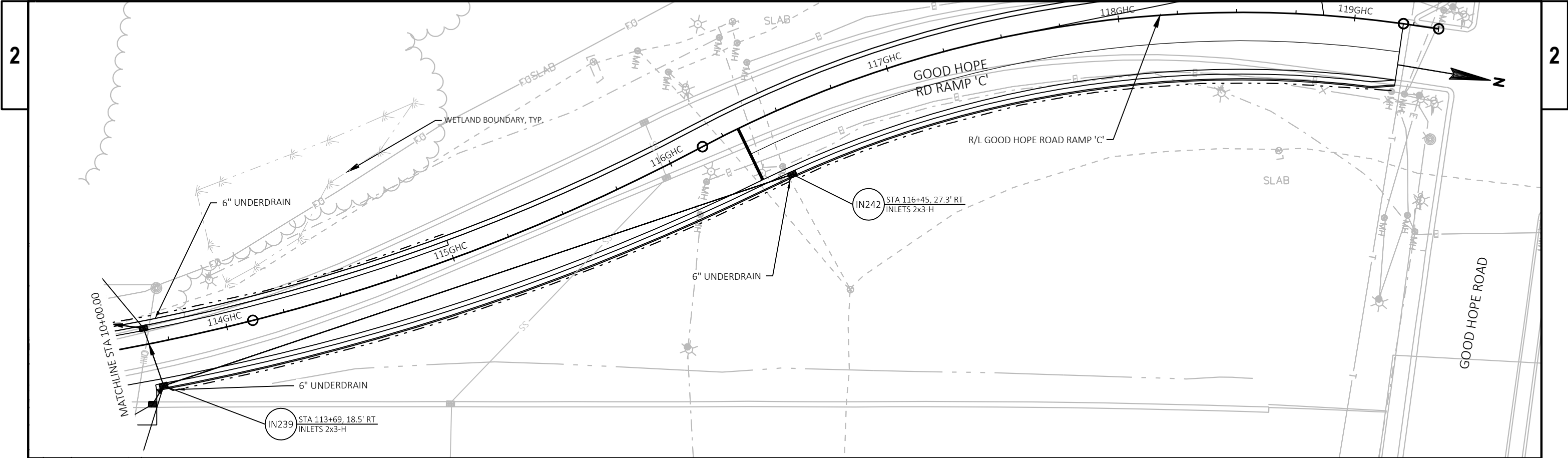
STORM SEWER

SHEET

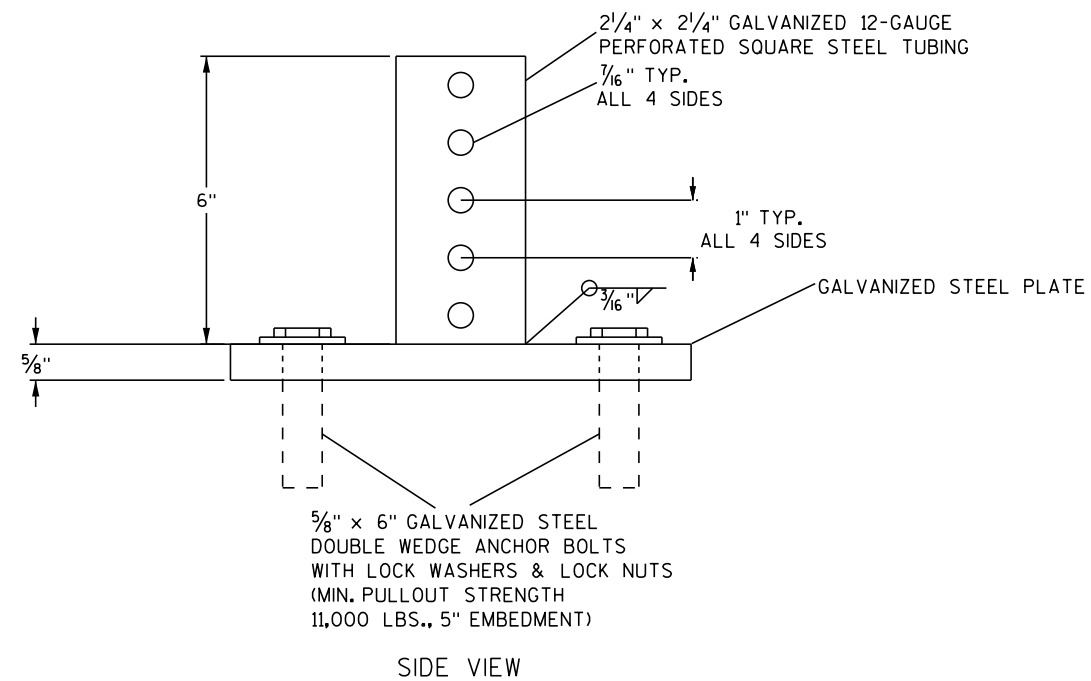
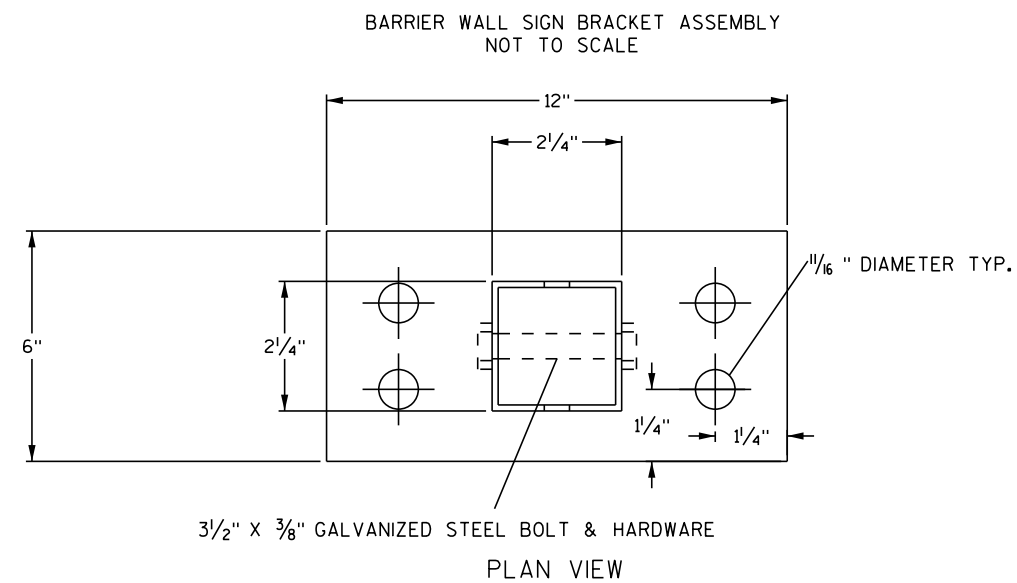
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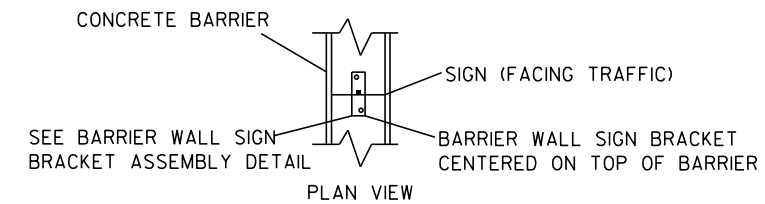




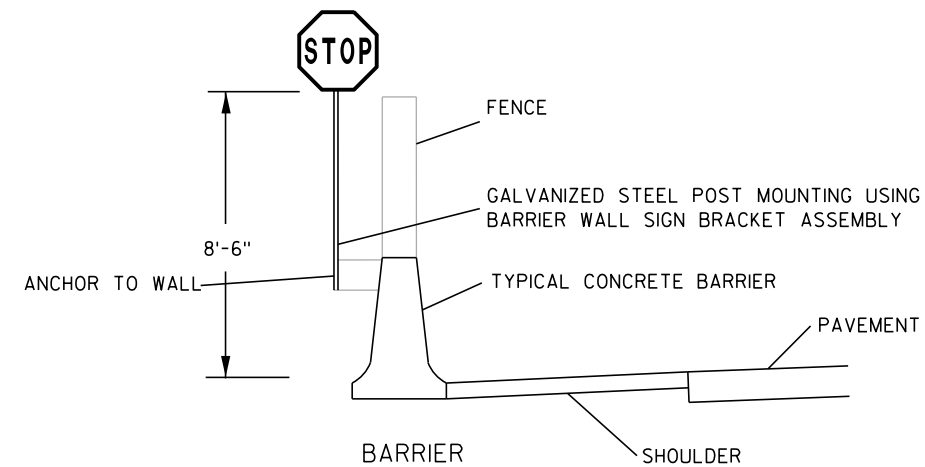
MOUNTING DETAILS FOR SIGN MOUNTED TO MEDIAN BARRIER



TYPICAL SIGN PLACEMENT DETAILS



MEDIAN BARRIER MOUNTING DETAIL



NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION.
2. ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION.
3. SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS.



HSS 4"X4"X $\frac{3}{8}$ " GALVANIZED
(INCIDENTAL TO CONSTRUCTION)

$\frac{1}{4}$ "

$\frac{5}{8}$ "

6" X 12" GALVANIZED STEEL BASE PLATE
(INCIDENTAL)

$\frac{5}{8}$ " X 6" GALVANIZED STEEL
DOUBLE WEDGE ANCHOR BOLTS
WITH LOCK WASHERS
(MINIMUM PULLOUT STRENGTH
11,000 LBS., 5" EMBEDMENT)
(INCIDENTAL)

Diagram illustrating the dimensions and components of a sign assembly mounted on a wall:

- FACE OF WALL**: Indicated by an arrow pointing to the wall surface.
- WIDTH AT TOP OF PARAPET**: Dimensioned as $1'-5\frac{3}{8}"$ and $10"$.
- BASE PLATE AND TOP OF PARAPET**: Indicated by two vertical centerline symbols (CL).
- HSS 4"x4"x $\frac{3}{8}"$ GALVANIZED**: Dimensioned as $5'-6"$ and $1"$.
- "SIGN" (FACING TRAFFIC)**: Indicated by an arrow pointing to the sign face.
- BASE PLATE CENTERED ON TOP OF WALL**: Indicated by an arrow pointing to the base plate.

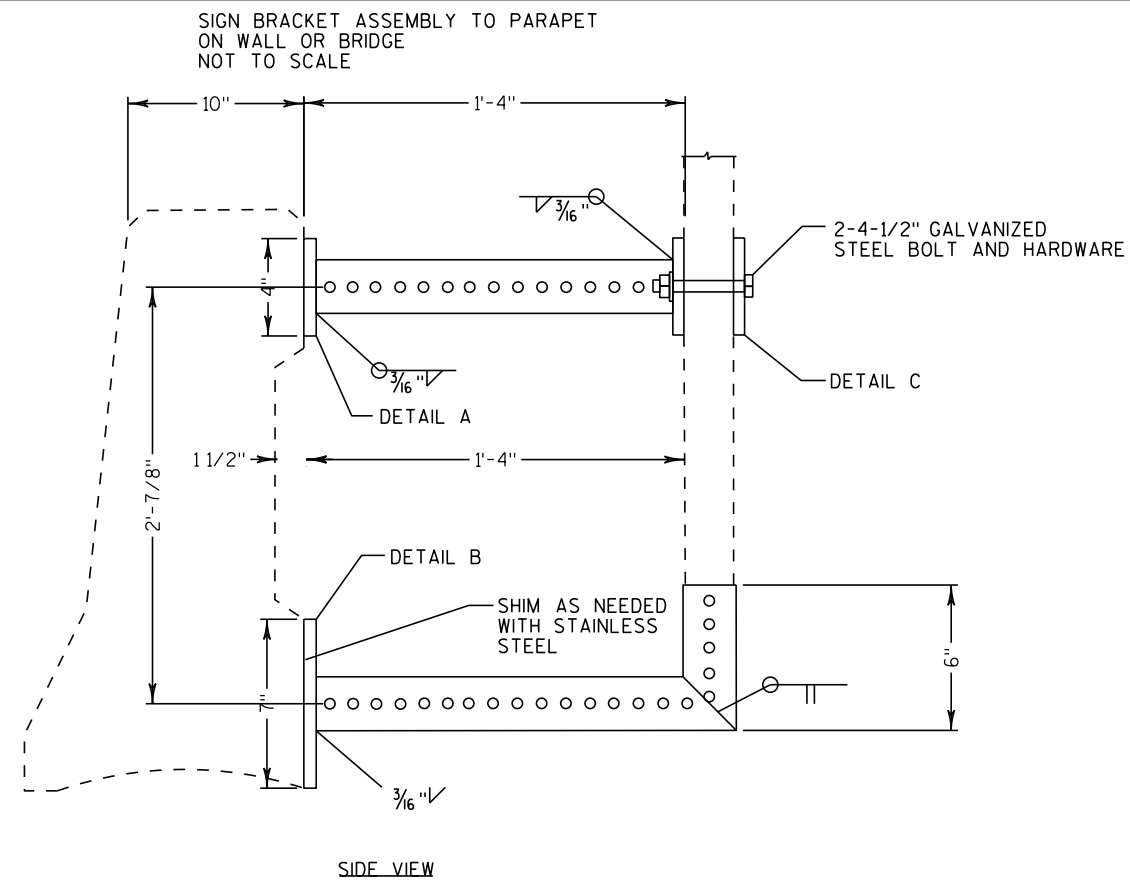
Diagram illustrating a sound wall structure and its components:

- SEE DETAIL A**: Points to the top section of the wall.
- RECTANGULAR OR STOP SIGN**: Points to a sign mounted on the wall.
- PAVEMENT MARKING EDGELINE**: Points to a dashed line on the wall.
- CONCRETE**: Points to the main body of the wall.
- GRASS**: Points to the area adjacent to the wall.
- SOUND WALL**: Points to the vertical section of the wall.
- ROADWAY**: Points to the road surface.

Structural drawing of a steel frame corner. The vertical member is labeled "HSS 4\"X4\"X $\frac{3}{8}$ \" GALVANIZED" and has a height dimension of "2'-0\". The horizontal member is labeled "HSS 4\"X4\"X $\frac{3}{8}$ \" GALVANIZED" and has a width dimension of "5'-6\". The diagonal member is labeled "HSS 3\"X3\"X $\frac{3}{8}$ \" GALVANIZED". Typical corner connections are indicated by "TYP." symbols. A detail callout shows a fillet weld with a size of $\frac{3}{16}$ and a "TYP." symbol.

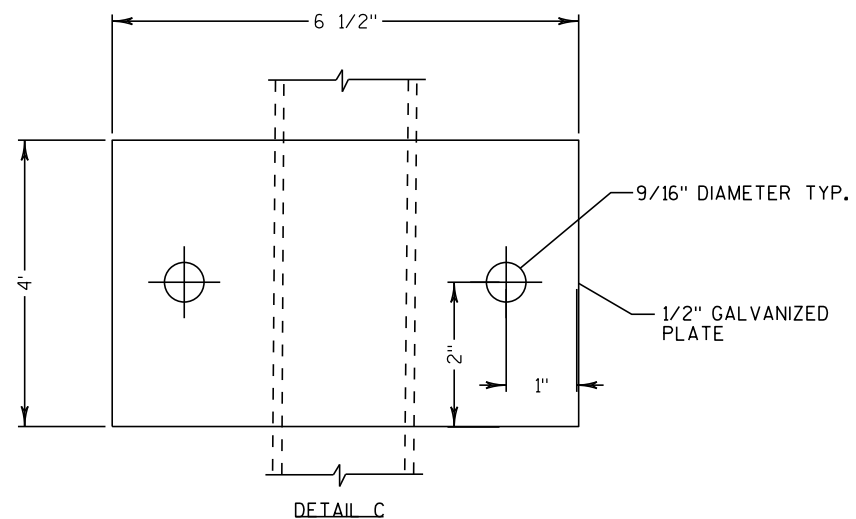
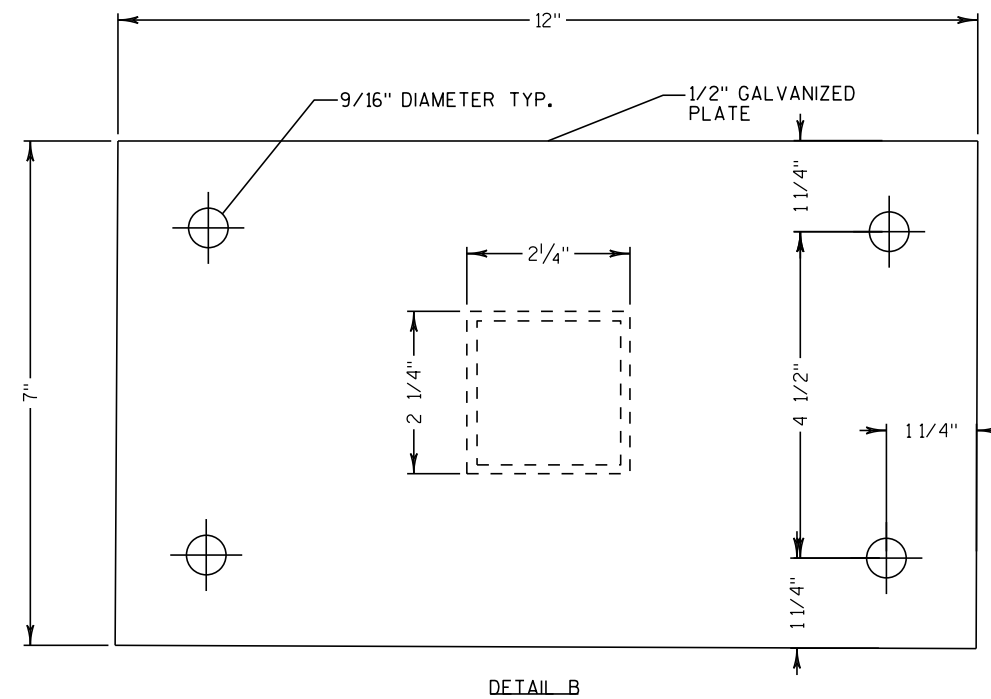
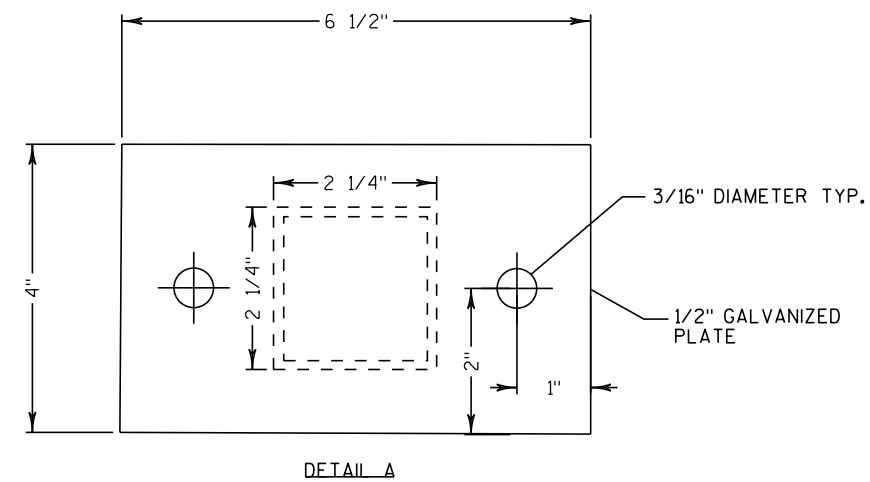
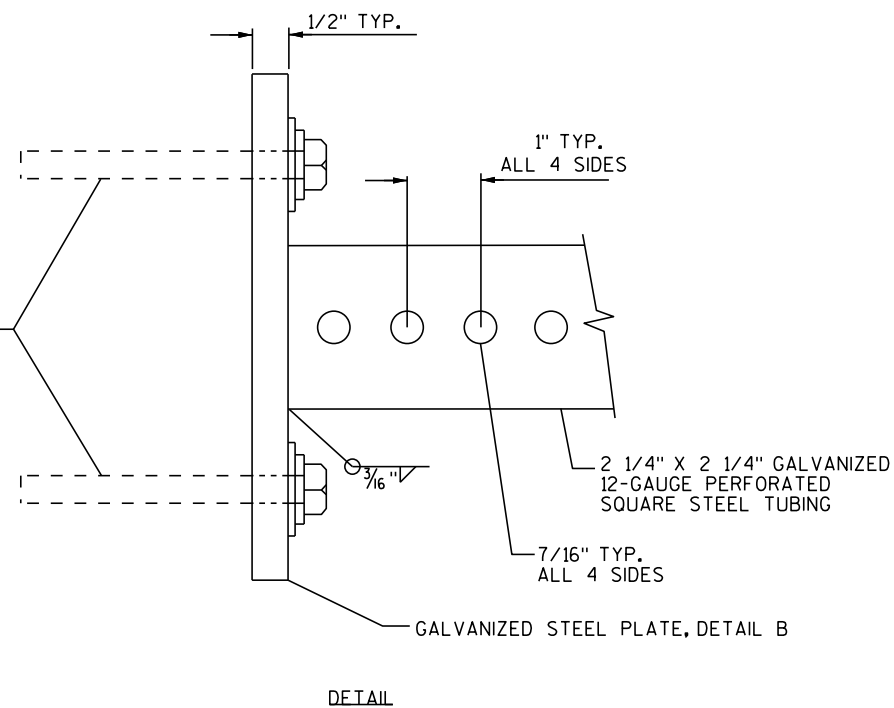
MOUNTING TRAFFIC SIGNS ON TOP OF WALL

N.T.S.



DETAIL B
4-1/2" X 6" STAINLESS STEEL
DOUBLE WEDGE ANCHOR BOLTS
WITH LOCK WASHERS
(MIN. PULLOUT STRENGTH
8,000 LBS., 5" EMBEDMENT)

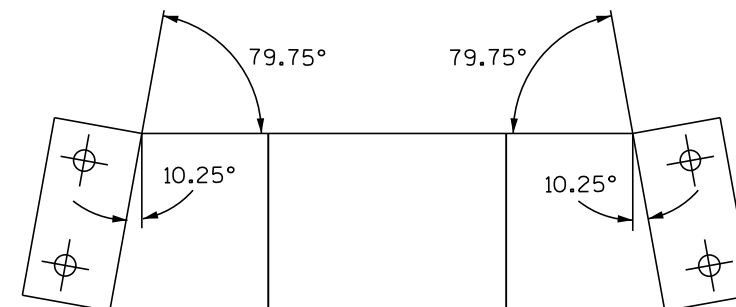
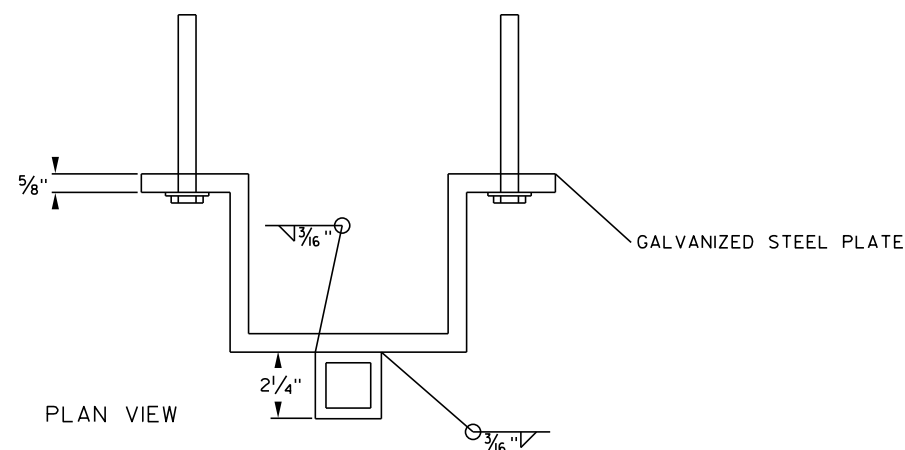
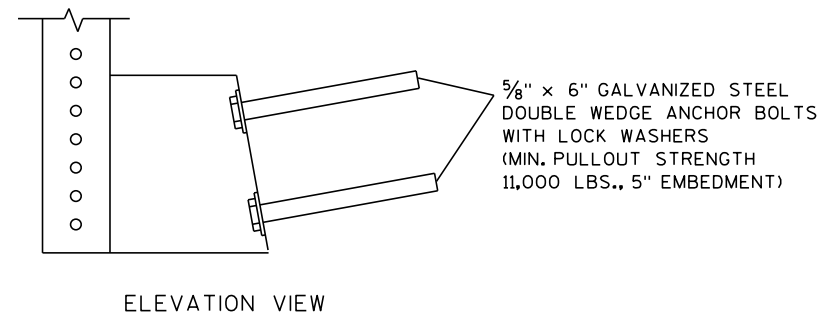
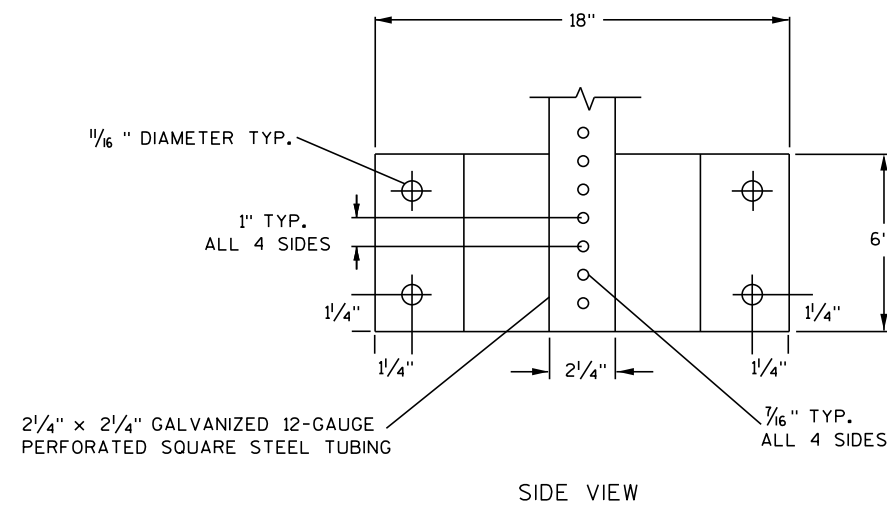
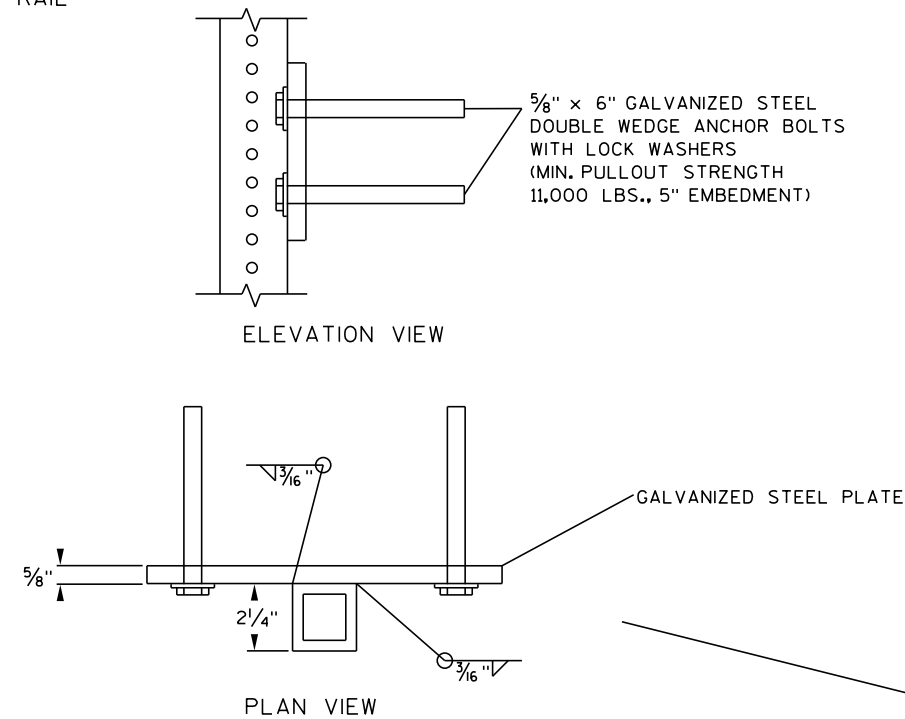
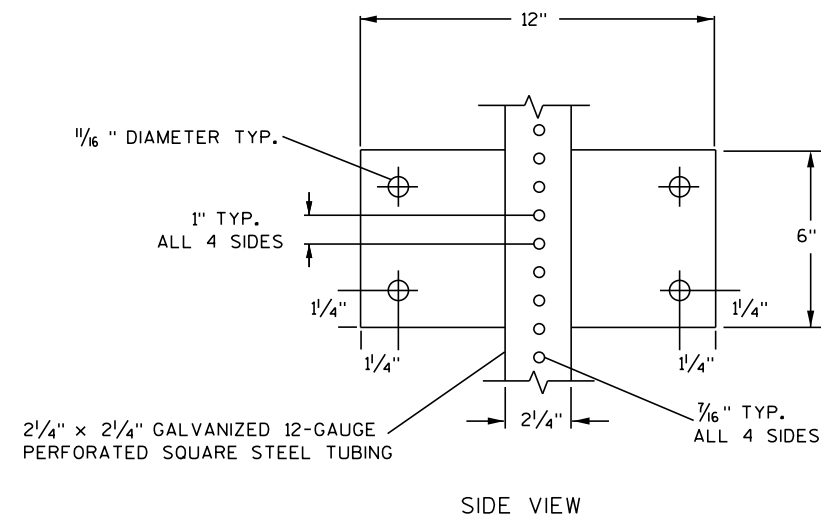
DETAIL A IS SIMILAR WITH
2-1/2" X 6" STAINLESS STEEL
DOUBLE WEDGE ANCHOR BOLTS
WITH LOCK WASHERS
(MIN. PULLOUT STRENGTH
8,000 LBS., 5" EMBEDMENT)



NOTES

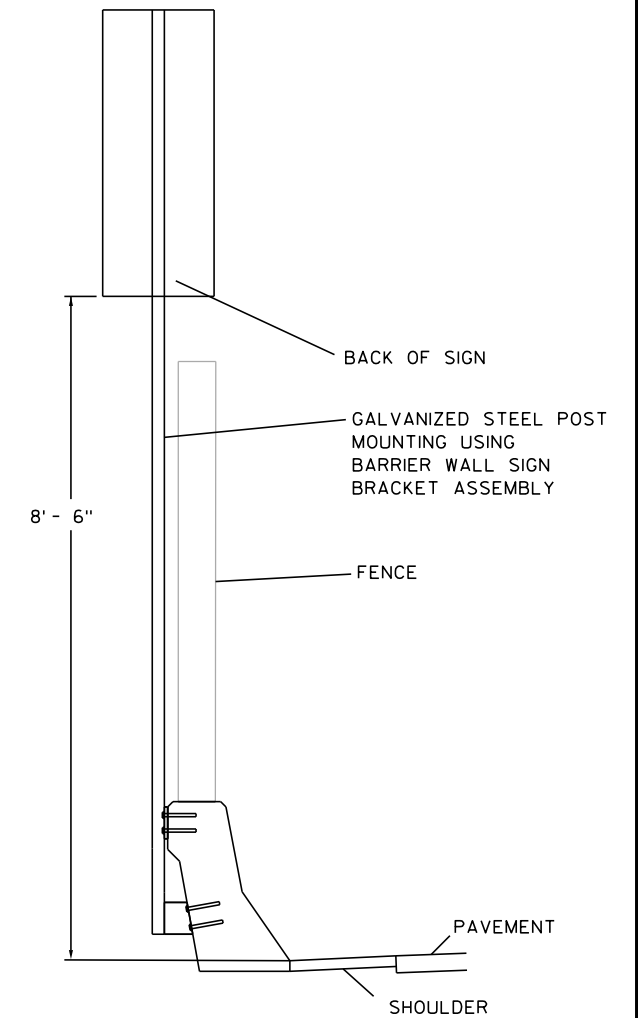
1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION.
2. ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION.
3. THE TOP AND BOTTOM WELDMENT WITH ALL HARDWARE ARE INCIDENTAL TO BID ITEM "POSTS TUBULAR STEEL 2X2-INCH."

MOUNTING DETAILS FOR SIGNS MOUNTED TO BARRIER WITH TYPE "G" RAIL



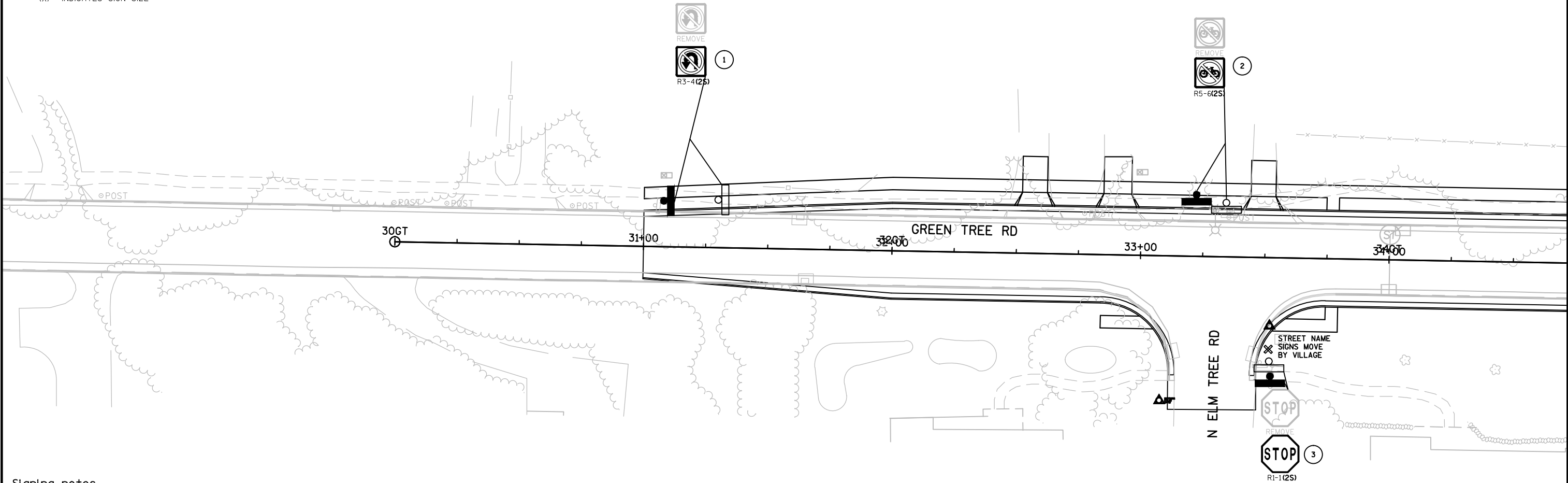
STEEL PLATE BEFORE BENDING TO BRACKET SHAPE

- NOTES
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 - 2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
 - 3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS.





- LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
 - EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - PROPOSED SIGN MOUNTED ON POST(S)
 - PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - VMS VARIABLE MESSAGE SIGN
 - EXISTING LIGHT OR SIGNAL POLE
 - SIGN BRIDGE
 - CANTILEVER SIGN BRIDGE
 - DENOTES SIGN NUMBER
 - (X) INDICATES SIGN SIZE



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the County sign shop. Contact Dennis Newton, 414-266-1165 for distribution county location.

Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see standard spec 638.3.4). The Regional sign shop (414-266-1165) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

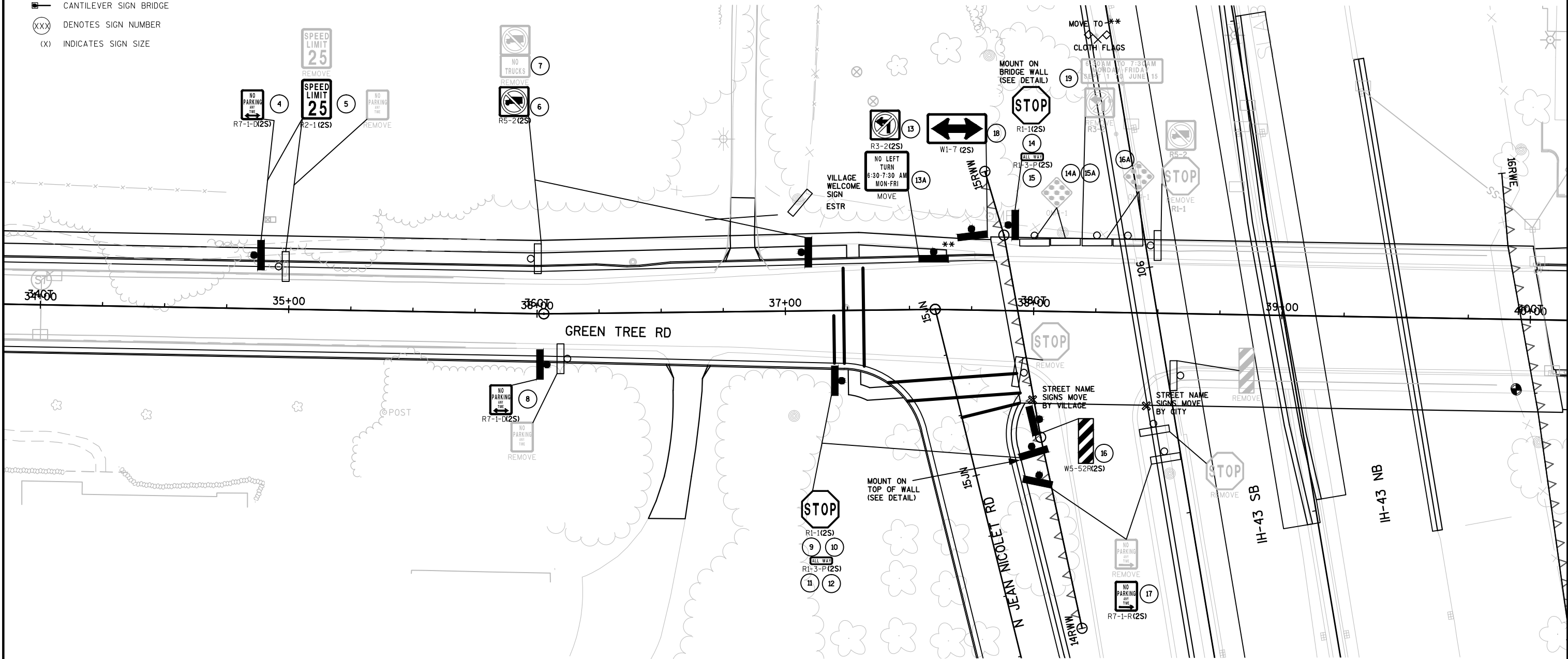
Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.



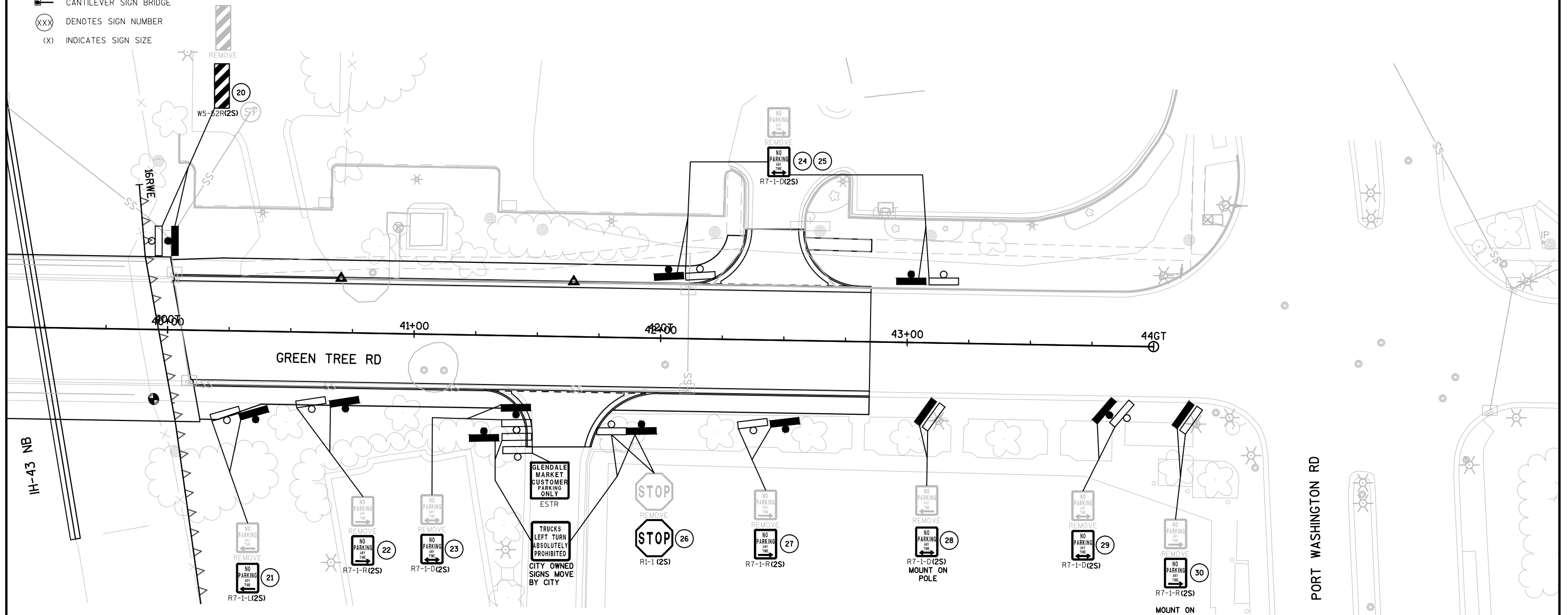
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DENOTES SIGN NUMBER
- INDICATES SIGN SIZE



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
VMS VARIABLE MESSAGE SIGN
EXISTING LIGHT OR SIGNAL POLE
SIGN BRIDGE
CANTILEVER SIGN BRIDGE
DENOTES SIGN NUMBER
(X) INDICATES SIGN SIZE



SHEET 3 OF 8

PROJECT NO:1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

PERMANENT SIGNING

SHEET

E

FILE NAME : N:\PDS\C3D\CAD\12281601\SIGN\023201_PS.DWG
LAYOUT NAME - 023203_PS

PLOT DATE : 10/27/2017 10:09 AM

PLOT BY : VANDE LEESE, CYNTHIA

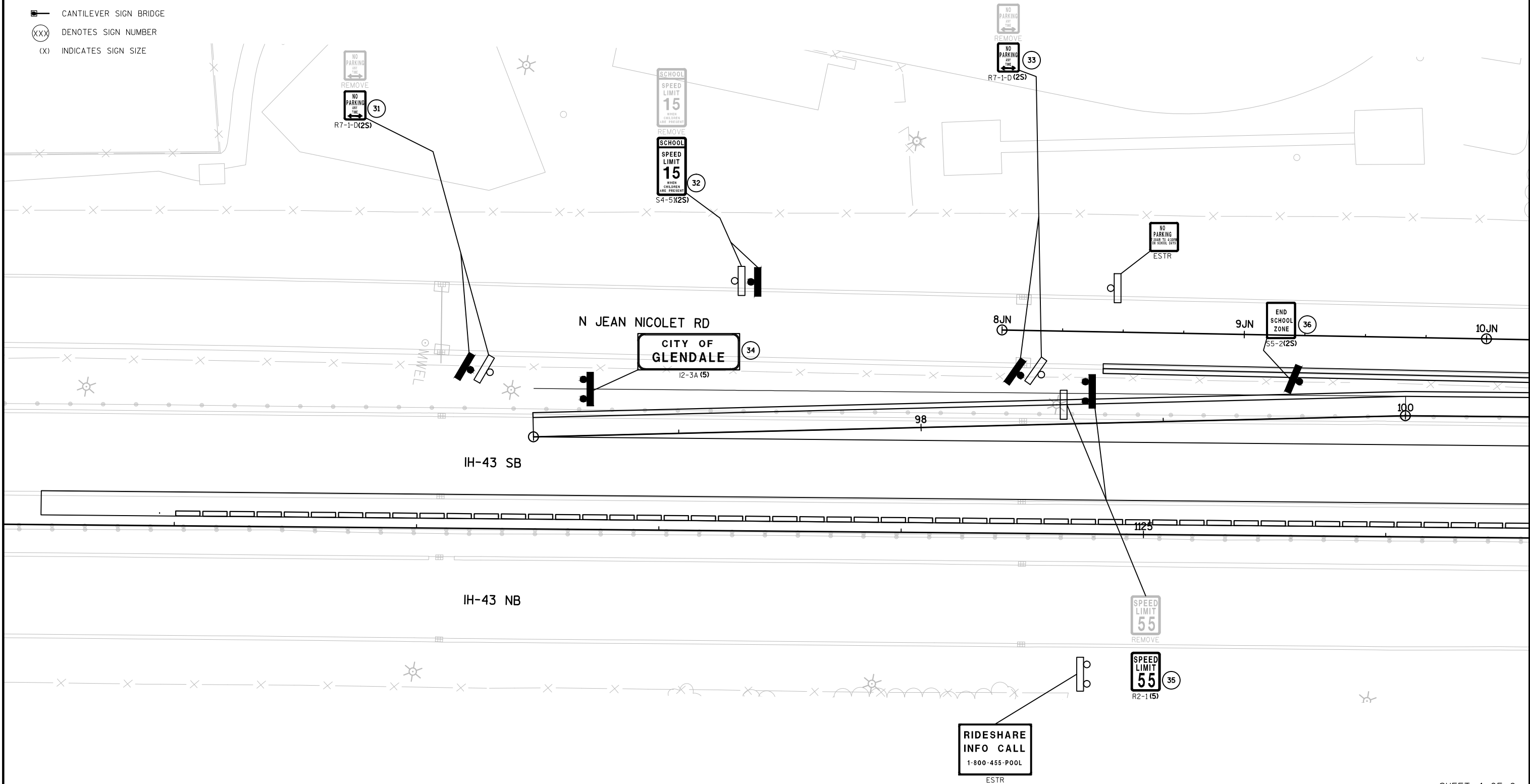
PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42

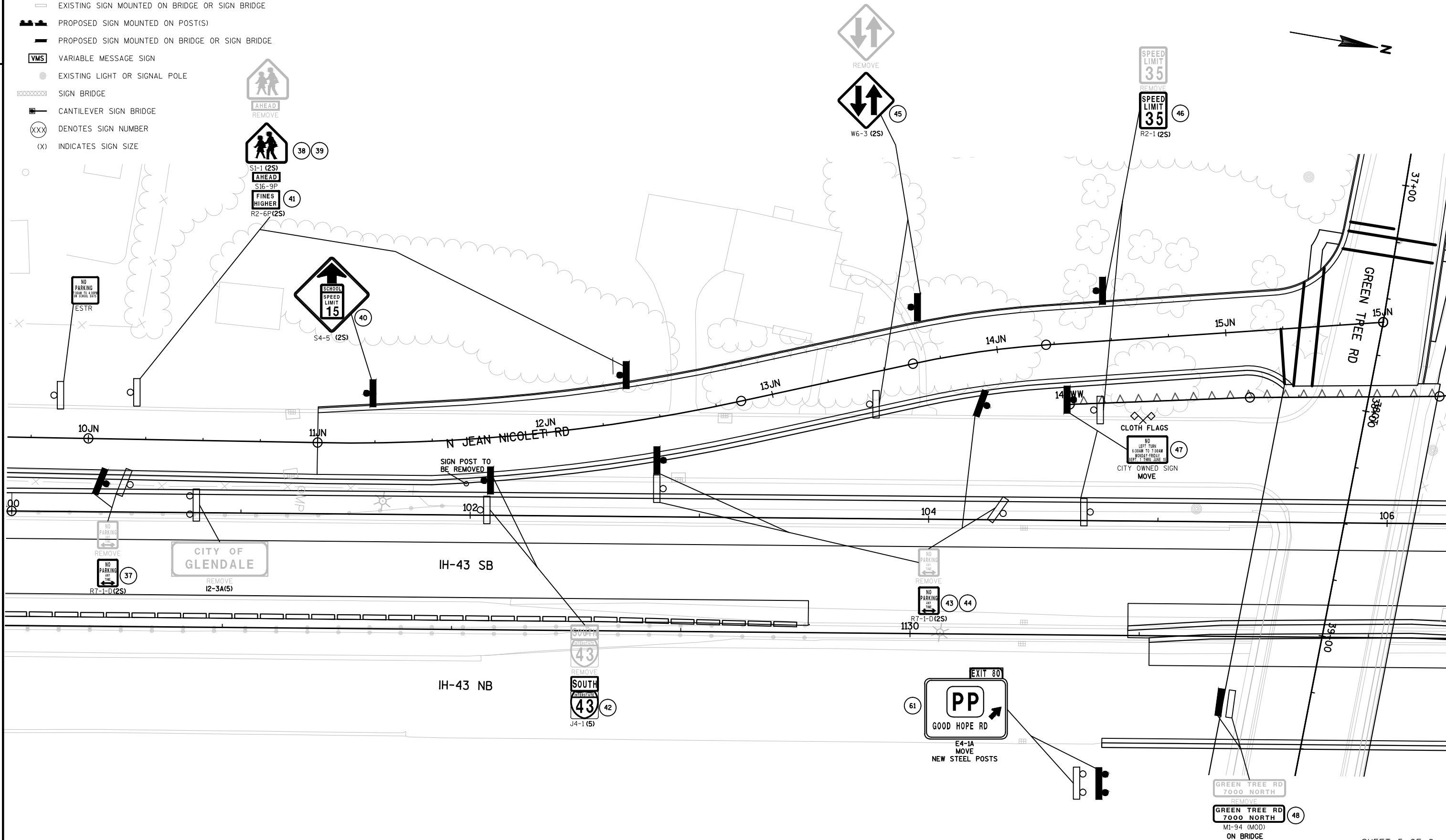
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



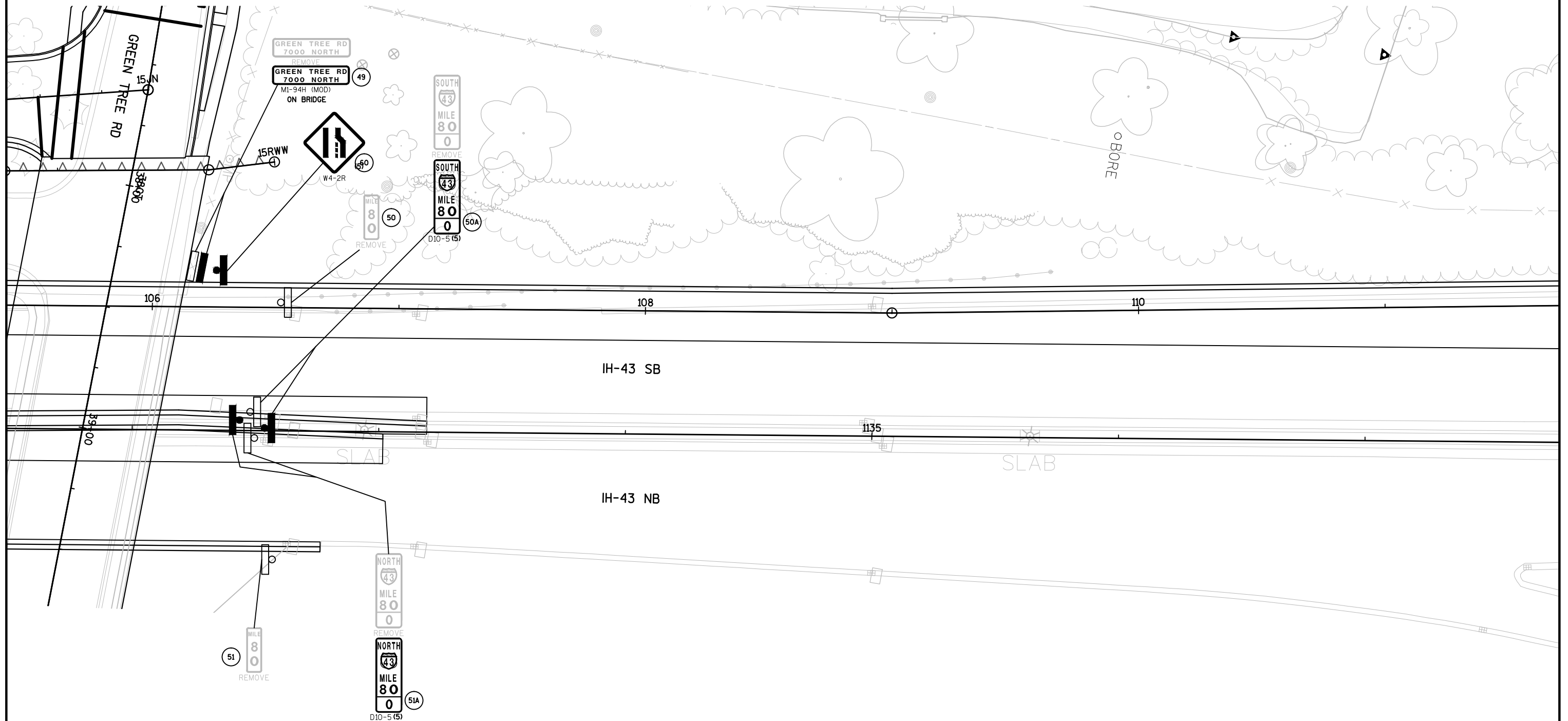
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
VMS VARIABLE MESSAGE SIGN
EXISTING LIGHT OR SIGNAL POLE
SIGN BRIDGE
CANTILEVER SIGN BRIDGE
DENOTES SIGN NUMBER
(X) INDICATES SIGN SIZE



SHEET 6 OF 8

PROJECT NO:1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

PERMANENT SIGNING

SHEET

E

FILE NAME : N:\PDS\C3D\CAD\12281601\SIGN\023201_PS.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 10/27/2017 10:10 AM

PLOT BY : VANDE LEESE, CYNTHIA

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

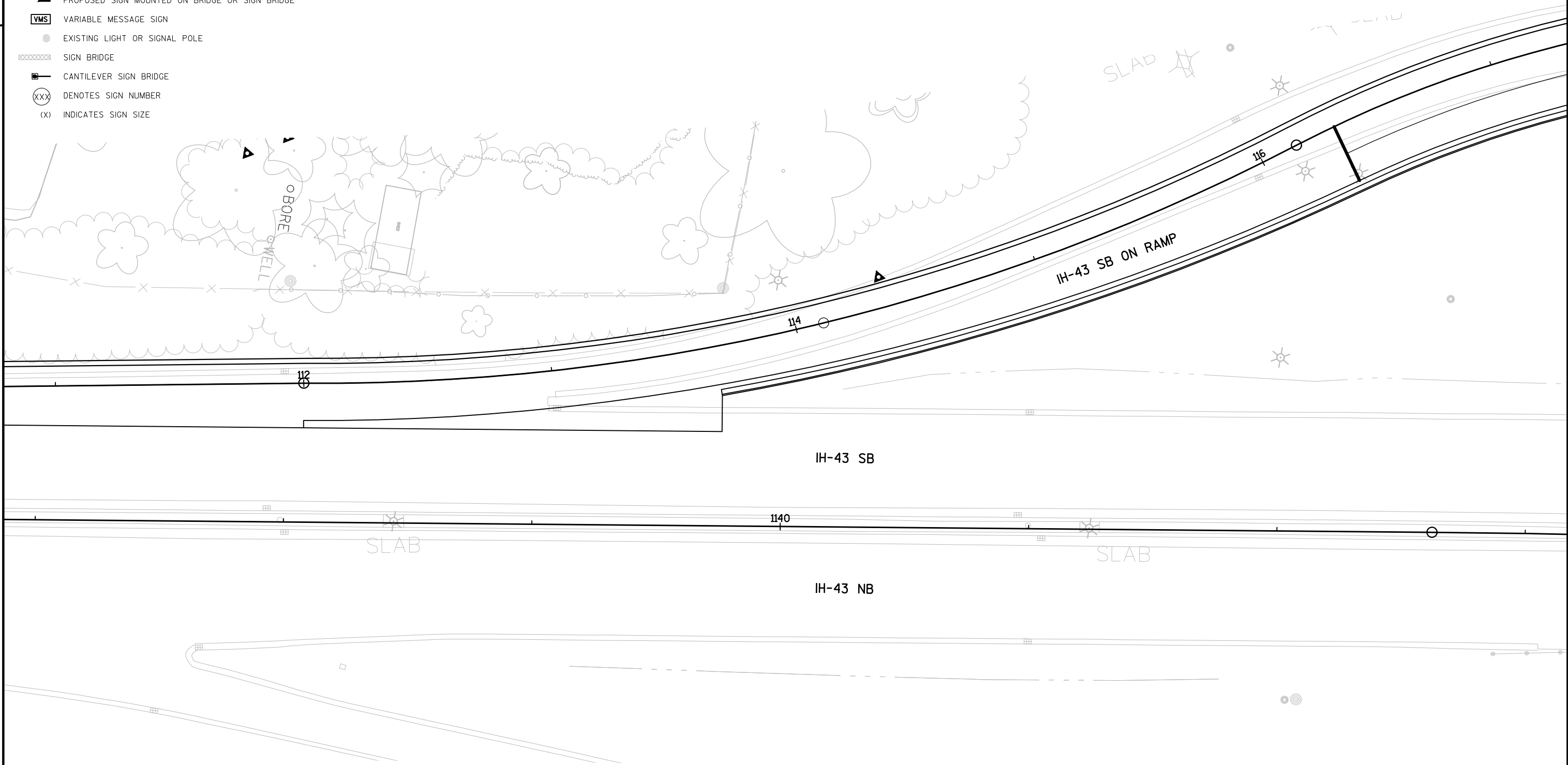
WISDOT/CADDs SHEET 42

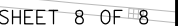
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



NO SIGNS ON THIS SHEET





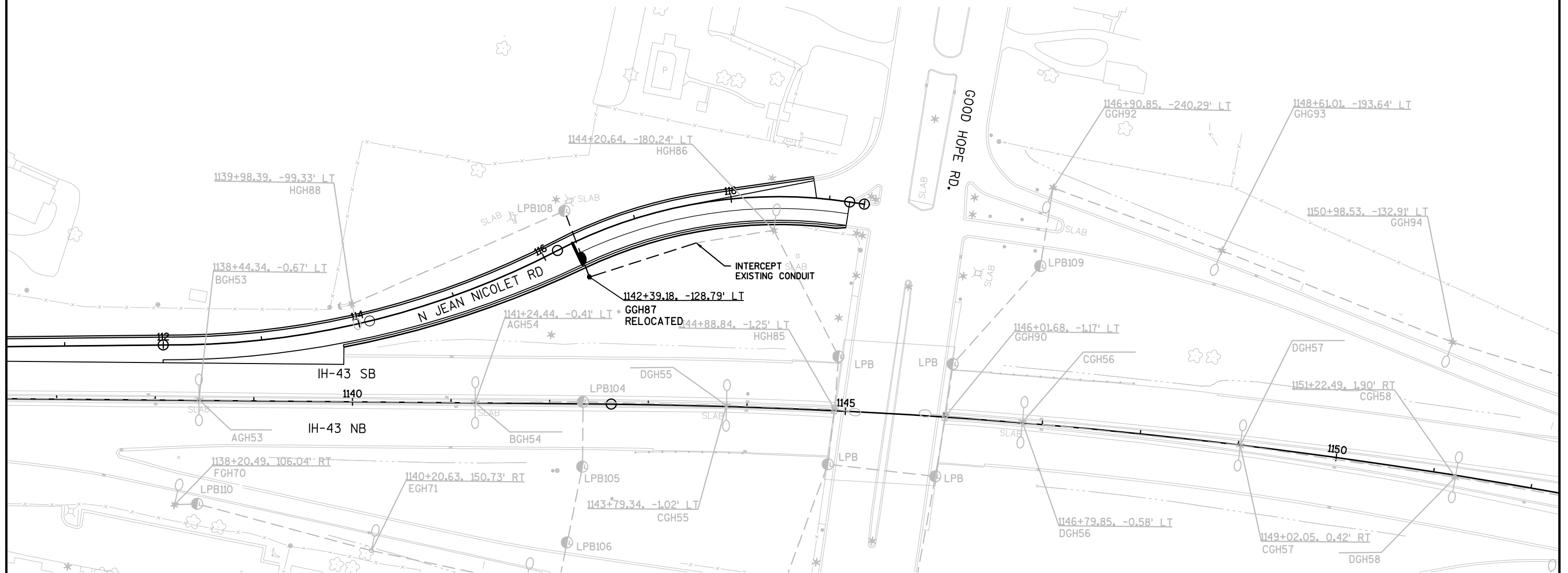




3



11



SHEET 2 OF 2

PROJECT NO:1228-16-71

HWY:IH-43

COUNTY:MILWAUKEE

LIGHTING PLAN

SHEET

E

FILE NAME : N:\PDS\C3D\CAD\12281601\LTG\023601_LP.DWG
LAYOUT NAME - 023602_LP

PLOT DATE : 5/26/2017 12:48 PM

PLOT BY : DODGE, BRIAN M

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

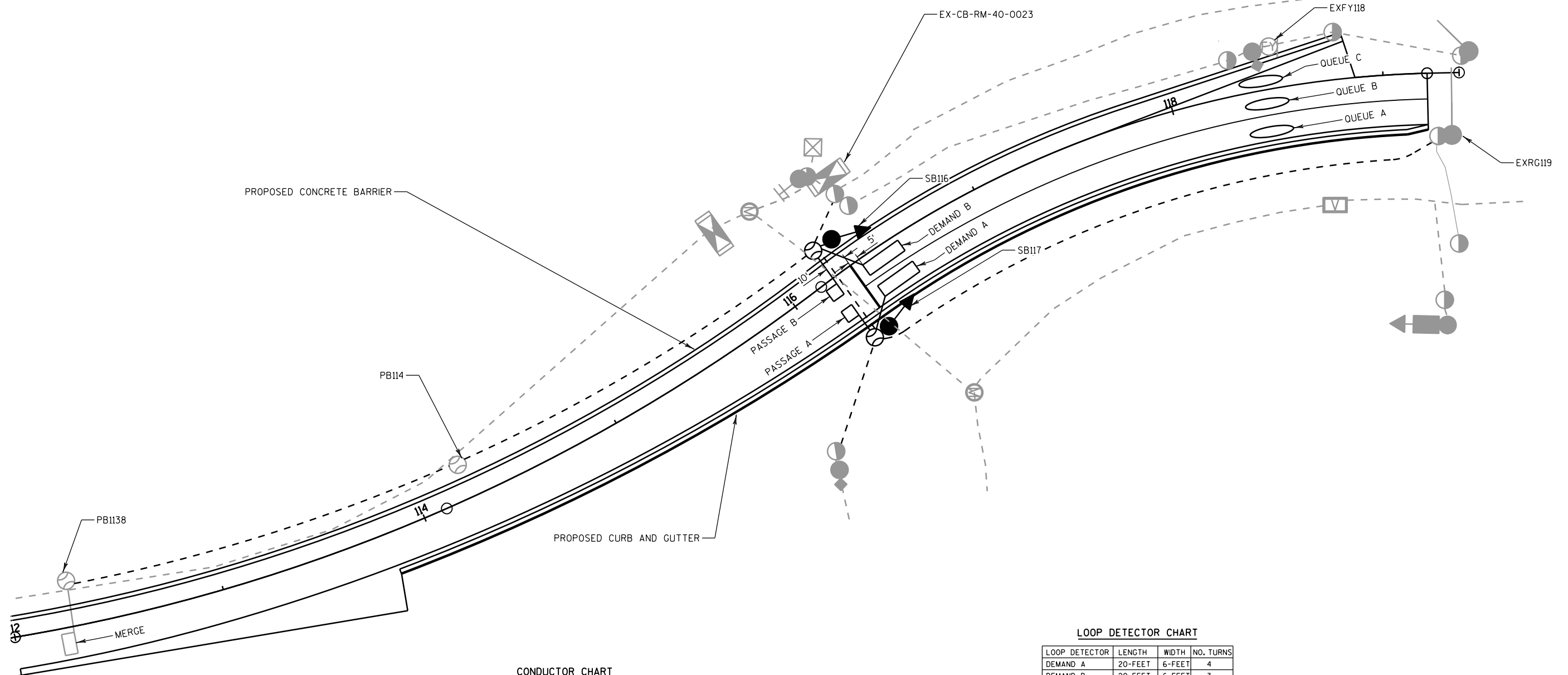
WISDOT/CADDs SHEET 42

LEGEND	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
TYPE 1 CONCRETE MANHOLE- - - - -		
CCTV CAMERA AND POLE - - - - -		
FTMS FIELD CABINET AND BASE- - - - -		
POLE MOUNTED CABINET- - - - -		
METER BREAKER PEDESTAL- - - - -		
STEEL PULL BOX - - - - -		
24X42-INCH CSCP PULL BOX - - - - -		
FTMS (ITS) CONDUIT - - - - -	- -	- -
TYPE 1 MANHOLE- - - - -		
COMMUNICATIONS VAULT, TYPE 1- - - - -		
ON-RAMP CLOSURE GATE - - - - -		
TYPE 5 POLE AND MICROWAVE DETECTOR - - - - -		
RAMP CONTROL SIGNAL ASSEMBLY SIDE MOUNT - - - - -		
RAMP METER ADVANCE FLASHER ASSEMBLY - - - - -		

FTMS STANDARD ABBREVIATIONS	
CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
SDS	SYSTEM DETECTOR STATION
RM	RAMP METER
DMS	DYNAMIC MESSAGE SIGN
MH	MANHOLE
FOC	FIBER OPTIC CABLE
F.O.	FIBER OPTIC
MD	MICROWAVE DETECTOR

FTMS GENERAL NOTES

1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
2. BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.
3. BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
5. AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
7. DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.



CONDUCTOR CHART

FROM	TO	CABLE SIZE	HEAD NO.	COLOR CODE
EX-CB-RM-40-0023	SB116	7C	1	WHITE, RED, GREEN
EX-CB-RM-40-0023	SB117	7C	1	RED, BLUE, GREEN
EX-CB-RM-40-0023	EXFY118	EXISTING - DO NOT DISTURB		
EX-CB-RM-40-0023	EXRG119	3C	N/A	WHITE, RED, GREEN
EX-CB-RM-40-0023	EXRG118	EXISTING - DO NOT DISTURB		

LOOP DETECTOR CHART

LOOP DETECTOR	LENGTH	WIDTH	NO. TURNS
DEMAND A	20-FEET	6-FEET	4
DEMAND B	20-FEET	6-FEET	3
PASSAGE A	6-FEET	6-FEET	6
PASSAGE B	6-FEET	6-FEET	5
QUEUE A/B/C	MICROWAVE DETECTOR		
MERGE	10-FEET	6-FEET	6

INSTALL ALL LOOP DETECTORS CENTERED
IN RESPECTIVE LANES

RAMP METER LAYOUT

W. GOOD HOPE RD. SB ENTRANCE RAMP
(RM-40-0023)
NOT TO SCALE

FIBER OPTIC SEQUENCE:

STEP 1: INSTALL NEW CONDUIT FROM EXMH112NB TO EXCV1148SB.
STEP 2: INSTALL NEW 72-COUNT FOC IN NEWLY INSTALLED CONDUIT BETWEEN EXMH112NB AND EX-HUB-40-0011.
STEP 3: TERMINATE NEW 72-COUNT FOC IN EXISTING TERMINATION PANEL IN EX-HUB-40-0011.
STEP 4: REMOVE EXISTING 72-COUNT FOC AS SHOWN IN REMOVAL PLANS.

(STEP 3 MUST BE COMPLETED WITHIN 8 HOURS OF CUTTING THE EXISTING CABLE AND MUST BE SCHEDULED WITH THE STOC A MINIMUM OF 14-DAYS IN ADVANCE AND MAY NOT BE DONE DURING HOLIDAYS OR SPECIAL EVENTS.)

(ENTIRE SEQUENCE MUST BE COMPLETED PRIOR TO ANY WORK THAT MAY JEOPARDIZE THE EXISTING FIBER OPTIC CABLE.)

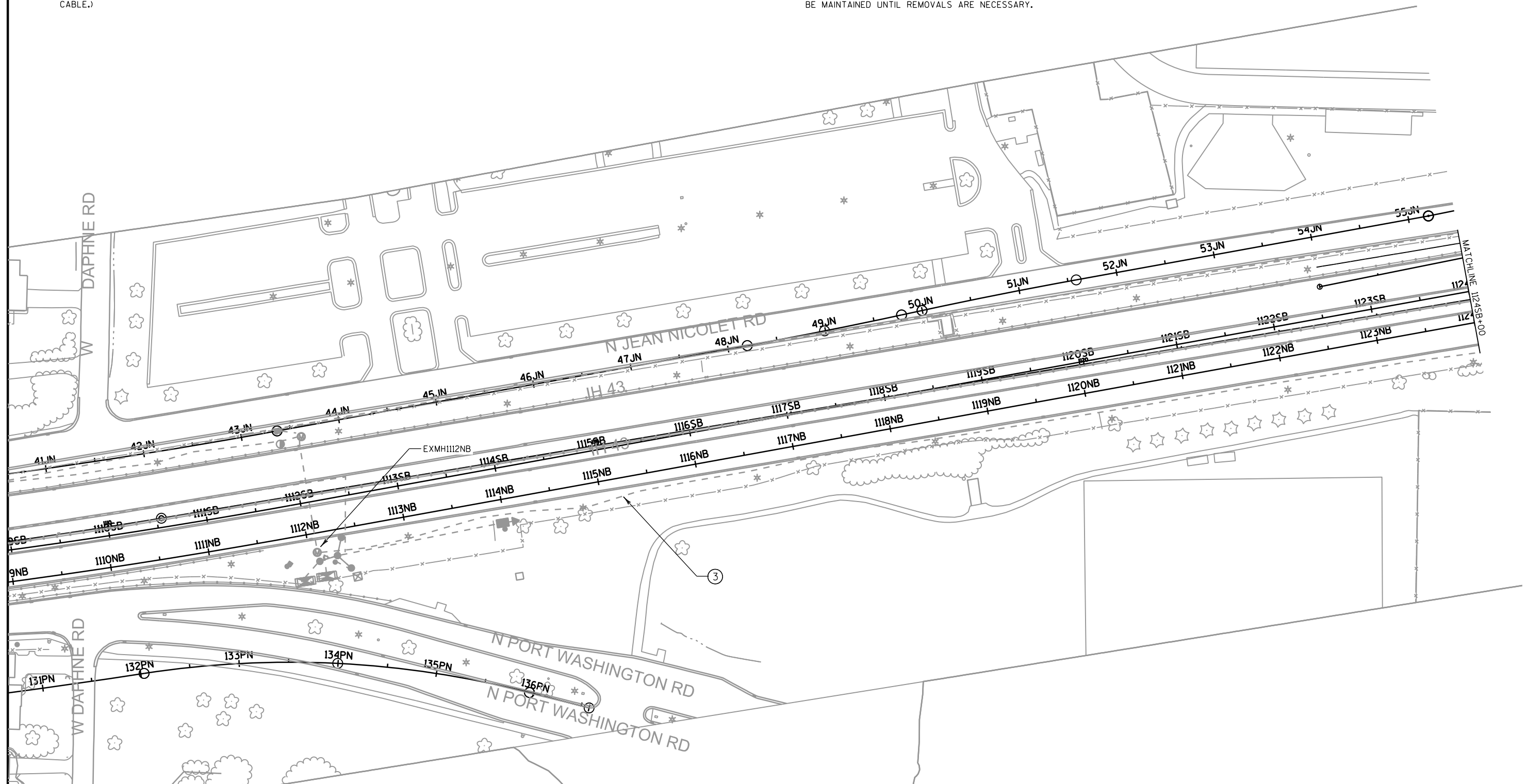
- LEGEND
- ① REMOVE PULL BOX
 - ② REMOVE RAMP CONTROL SIGNAL ASSEMBLY
SIDEMOUNT AND CONCRETE BASE
 - ③ REMOVE CABLE

NOTES

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

FOR REMOVAL OF LIGHTING, BRIDGE, OR SIGN ITEMS, REFER TO RESPECTIVE REMOVAL PLAN SECTIONS.

REMOVALS AND DISCONNECTION OF EQUIPMENT OR UTILITY SERVICES MUST BE PROPOSED TO WISDOT STOC A MINIMUM OF TWO WEEKS PRIOR TO SCHEDULED REMOVAL WORK. UNLESS FTMS REMOVALS WORK IS DEMONSTRATED TO BE CRITICAL TO PROJECT COMPLETION SCHEDULE, STOC MAY DENY PROPOSED SCHEDULE AND REQUIRE THAT LOCATIONS BE MAINTAINED UNTIL REMOVALS ARE NECESSARY.



LEGEND

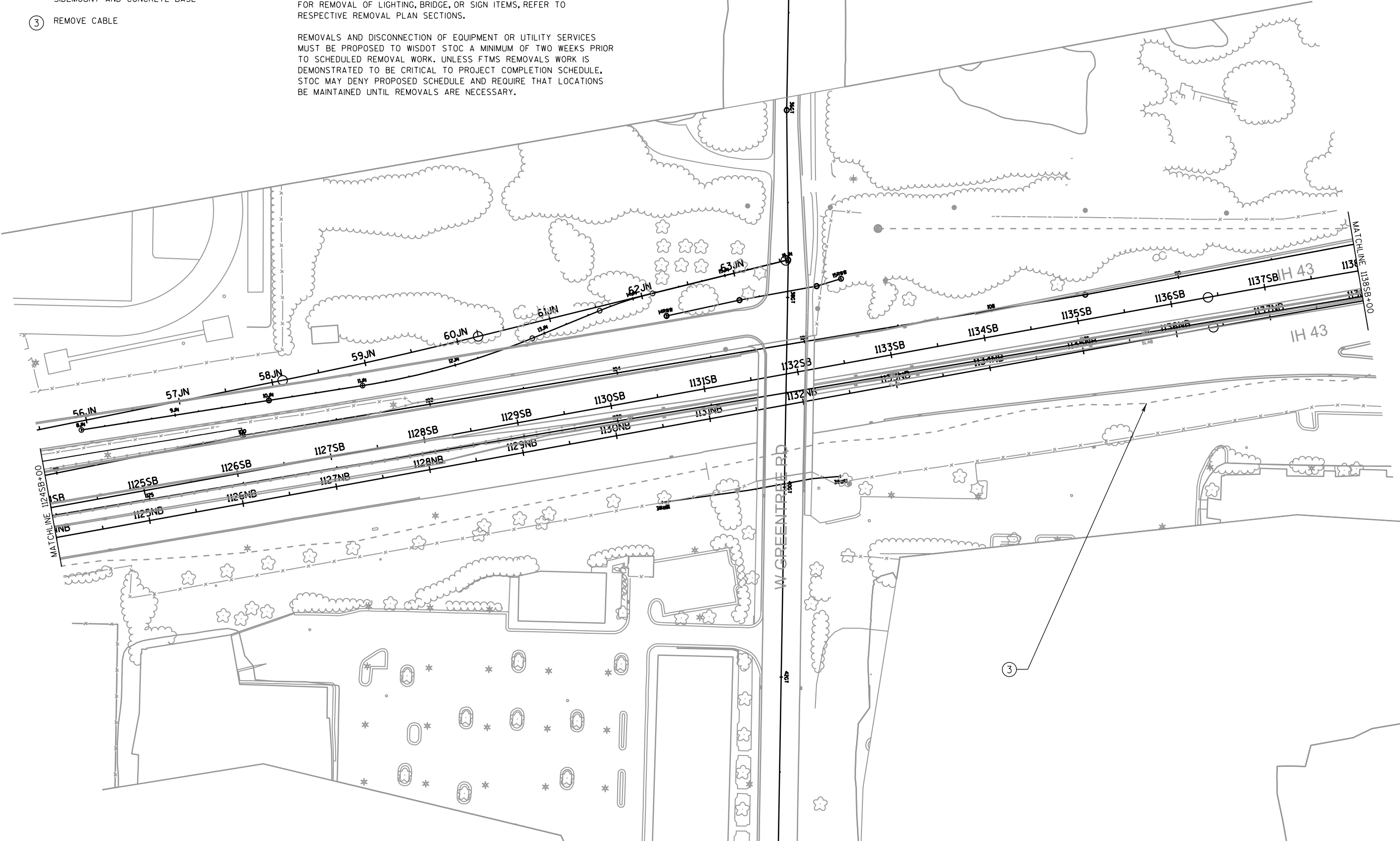
- ① REMOVE PULL BOX
- ② REMOVE RAMP CONTROL SIGNAL ASSEMBLY
SIDEMOUNT AND CONCRETE BASE
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NOTES

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INCLUDING BUILDING SERVICES AND LATERALS.

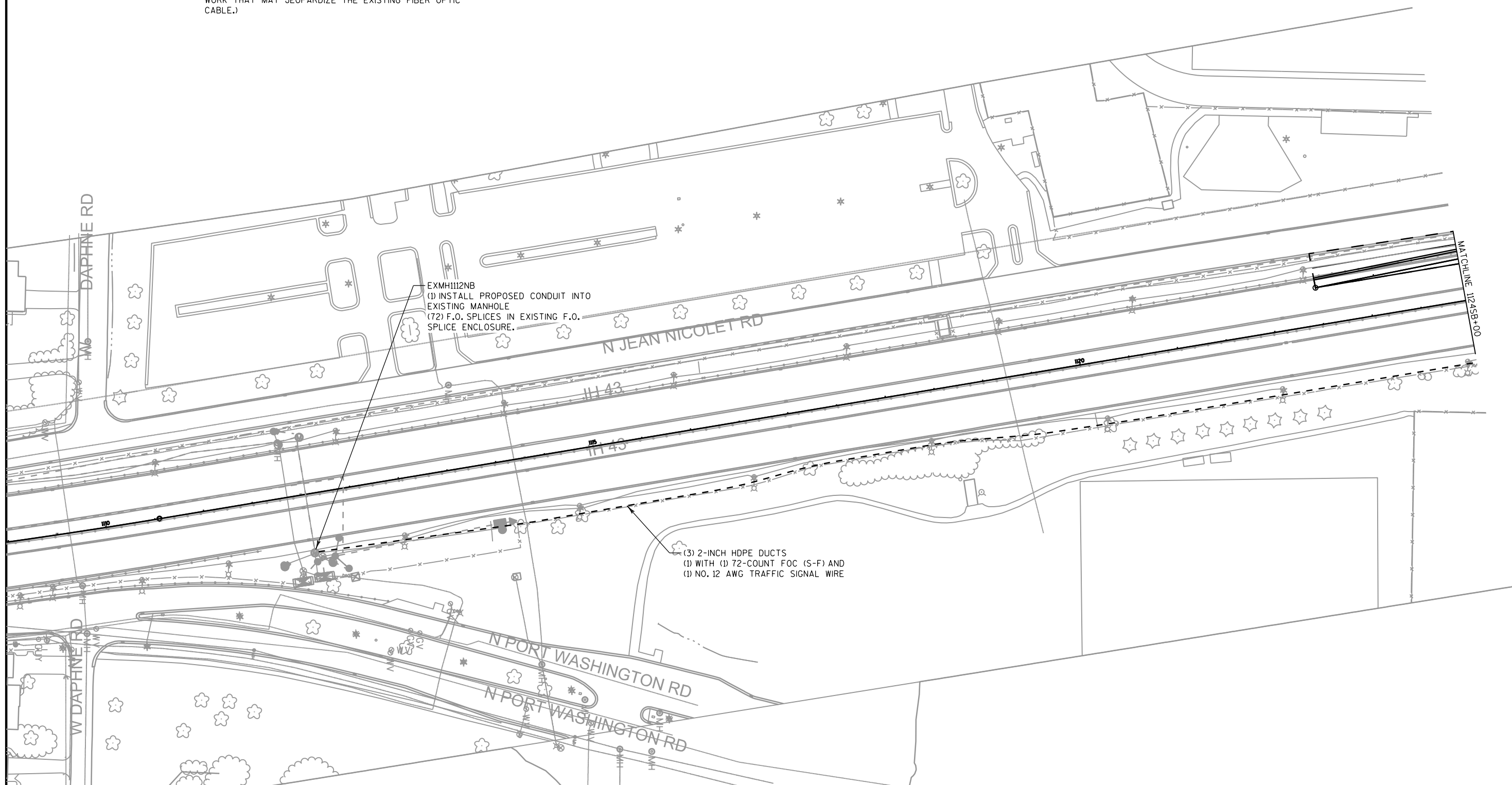
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RESPECTIVE REMOVAL PLAN SECTIONS.

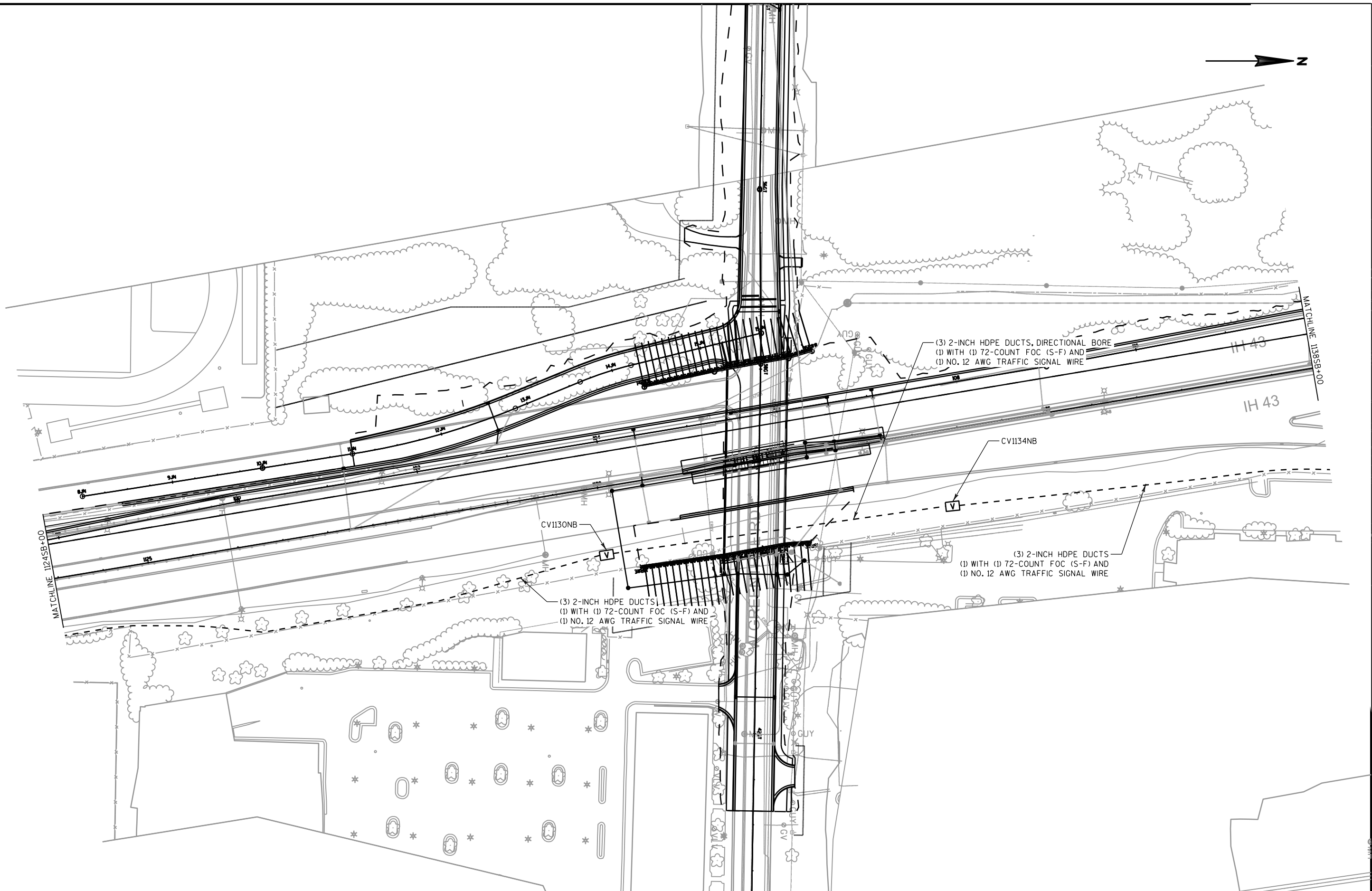
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STOC MAY DENY PROPOSED SCHEDULE AND REQUIRE THAT LOCATIONS
BE MAINTAINED UNTIL REMOVALS ARE NECESSARY.

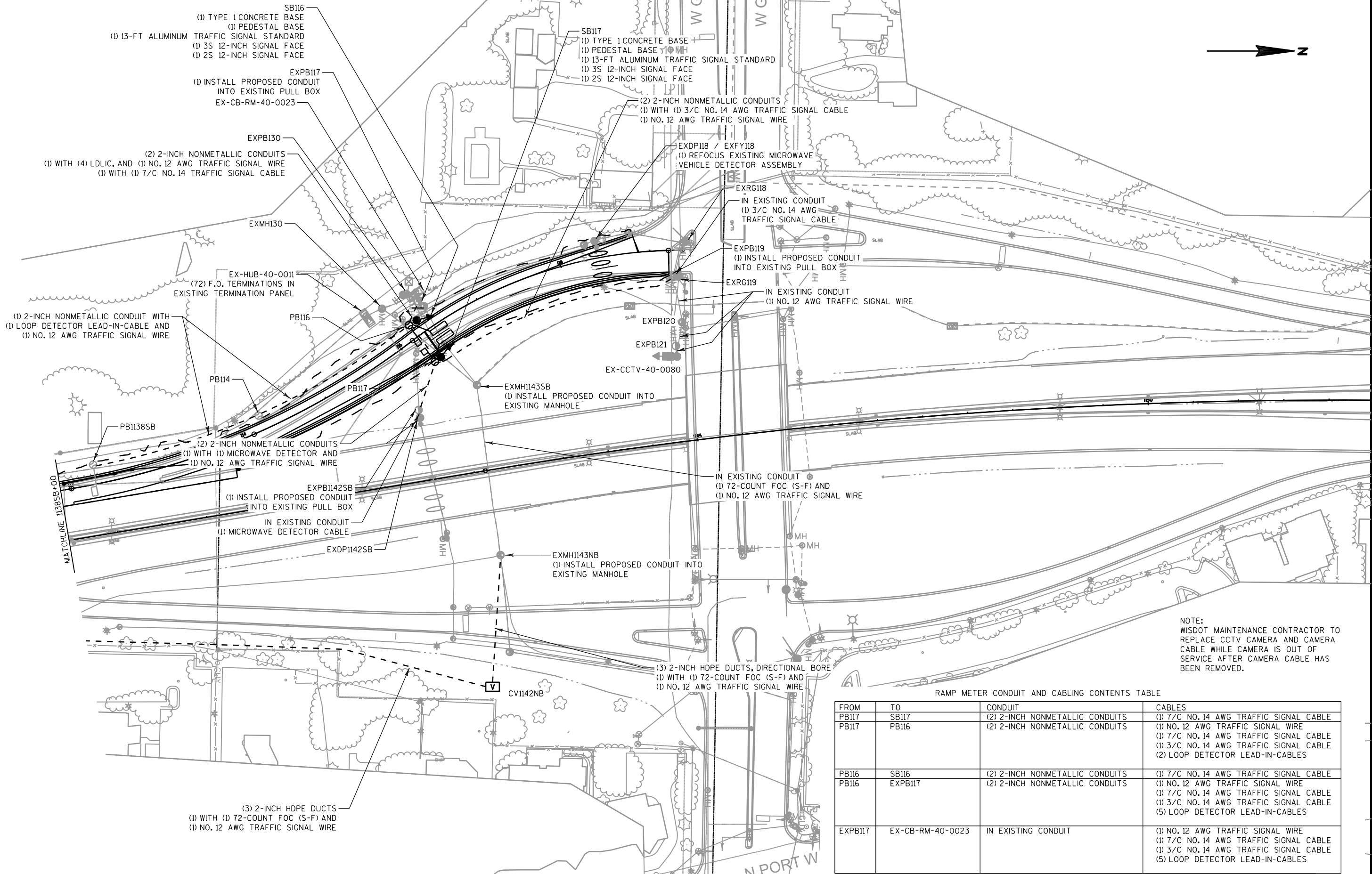




STEP 1: INSTALL NEW CONDUIT FROM EXMH112NB TO EXCV1148SB.
STEP 2: INSTALL NEW 72-COUNT FOC IN NEWLY INSTALLED
CONDUIT BETWEEN EXMH112NB AND EX-HUB-40-001L.
STEP 3: TERMINATE NEW 72-COUNT FOC IN EXISTING TERMINATION
PANEL IN EX-HUB-40-001L.
STEP 4: REMOVE EXISTING 72-COUNT FOC AS SHOWN IN REMOVAL
PLANS.
(STEP 3 MUST BE COMPLETED WITHIN 8 HOURS OF CUTTING THE
EXISTING CABLE AND MUST BE SCHEDULED WITH THE
STOC A MINIMUM OF 14-DAYS IN ADVANCE AND MAY NOT BE DONE
DURING HOLIDAYS OR SPECIAL EVENTS.)
(ENTIRE SEQUENCE MUST BE COMPLETED PRIOR TO ANY
WORK THAT MAY JEOPARDIZE THE EXISTING FIBER OPTIC
CABLE.)



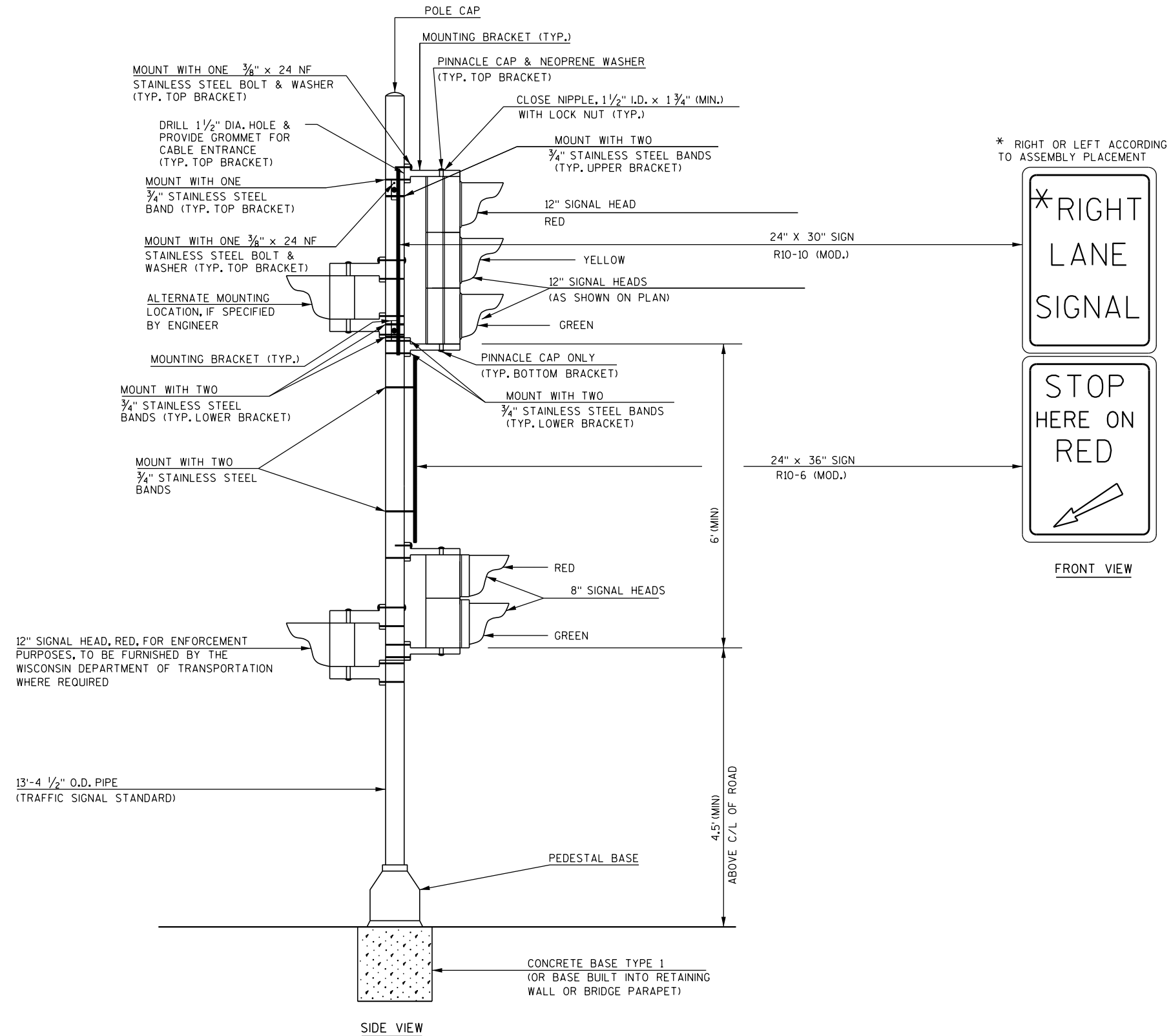
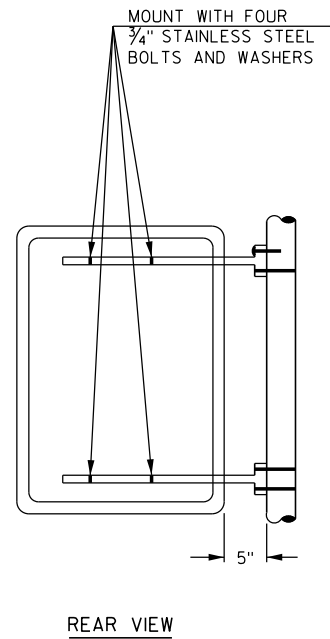




RAMP METER CONDUIT AND CABLING CONTENTS TABLE			
FROM	TO	CONDUIT	CABLES
PB117	SB117	(2) 2-INCH NONMETALLIC CONDUITS	(1) 7/C NO. 14 AWG TRAFFIC SIGNAL CABLE
PB117	PB116	(2) 2-INCH NONMETALLIC CONDUITS	(1) NO. 12 AWG TRAFFIC SIGNAL WIRE (1) 7/C NO. 14 AWG TRAFFIC SIGNAL CABLE (1) 3/C NO. 14 AWG TRAFFIC SIGNAL CABLE (2) LOOP DETECTOR LEAD-IN-CABLES
PB116	SB116	(2) 2-INCH NONMETALLIC CONDUITS	(1) 7/C NO. 14 AWG TRAFFIC SIGNAL CABLE
PB116	EXPB117	(2) 2-INCH NONMETALLIC CONDUITS	(1) NO. 12 AWG TRAFFIC SIGNAL WIRE (1) 7/C NO. 14 AWG TRAFFIC SIGNAL CABLE (1) 3/C NO. 14 AWG TRAFFIC SIGNAL CABLE (5) LOOP DETECTOR LEAD-IN-CABLES
EXPB117	EX-CB-RM-40-0023	IN EXISTING CONDUIT	(1) NO. 12 AWG TRAFFIC SIGNAL WIRE (1) 7/C NO. 14 AWG TRAFFIC SIGNAL CABLE (1) 3/C NO. 14 AWG TRAFFIC SIGNAL CABLE (5) LOOP DETECTOR LEAD-IN-CABLES

NOTE

- 1) R10-6 SIGN: AN ARROW POINTING LEFT SHALL BE USED ON A RIGHT SIDE SIGNAL & AN ARROW POINTING RIGHT SHALL BE USED ON A LEFT SIDE SIGNAL.



* RIGHT OR LEFT ACCORDING TO ASSEMBLY PLACEMENT

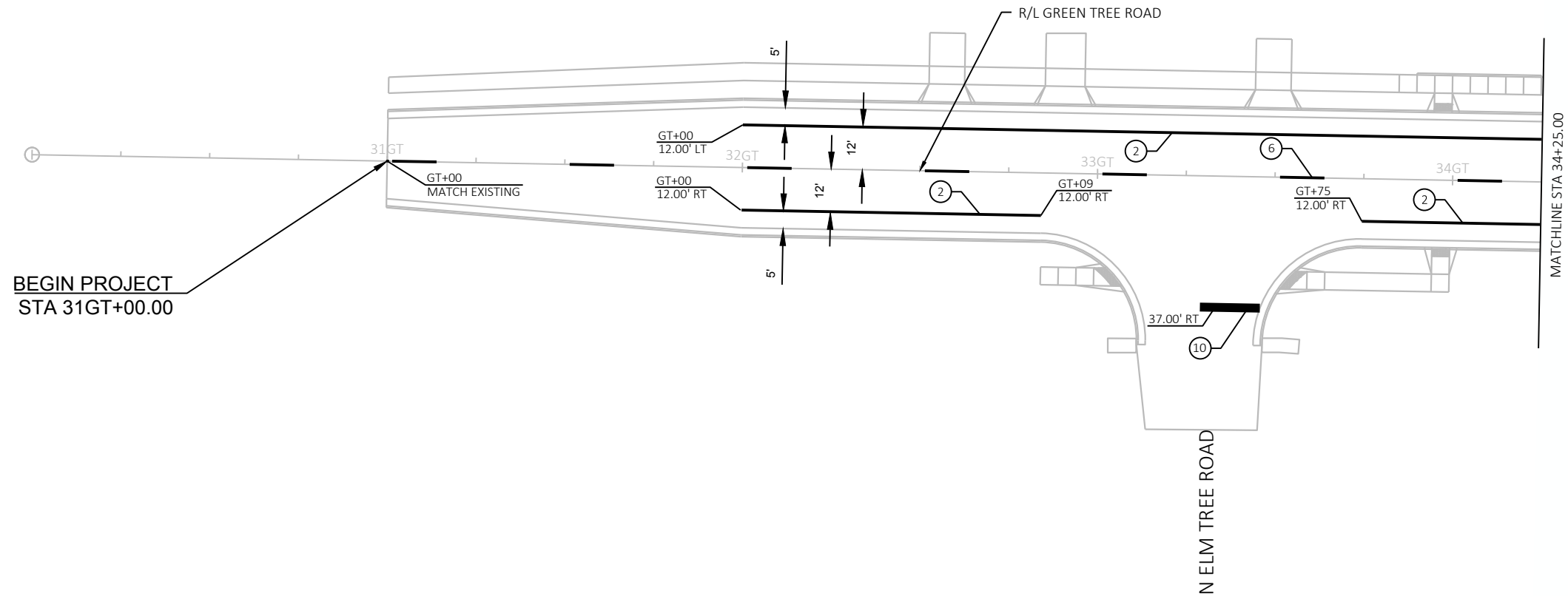


SIGNAL ASSEMBLY RAMP CONTROL SIDEMOUNT



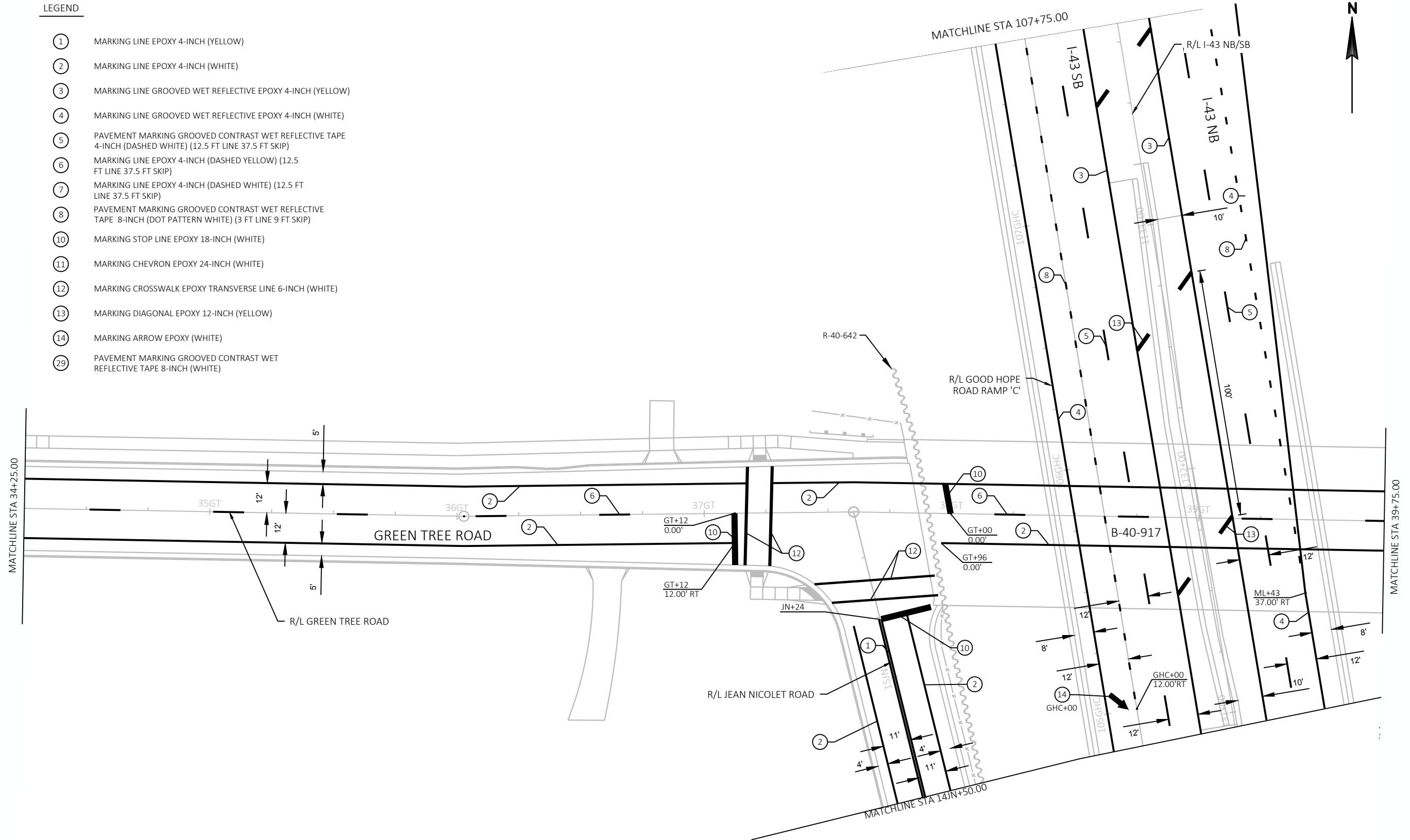
LEGEND

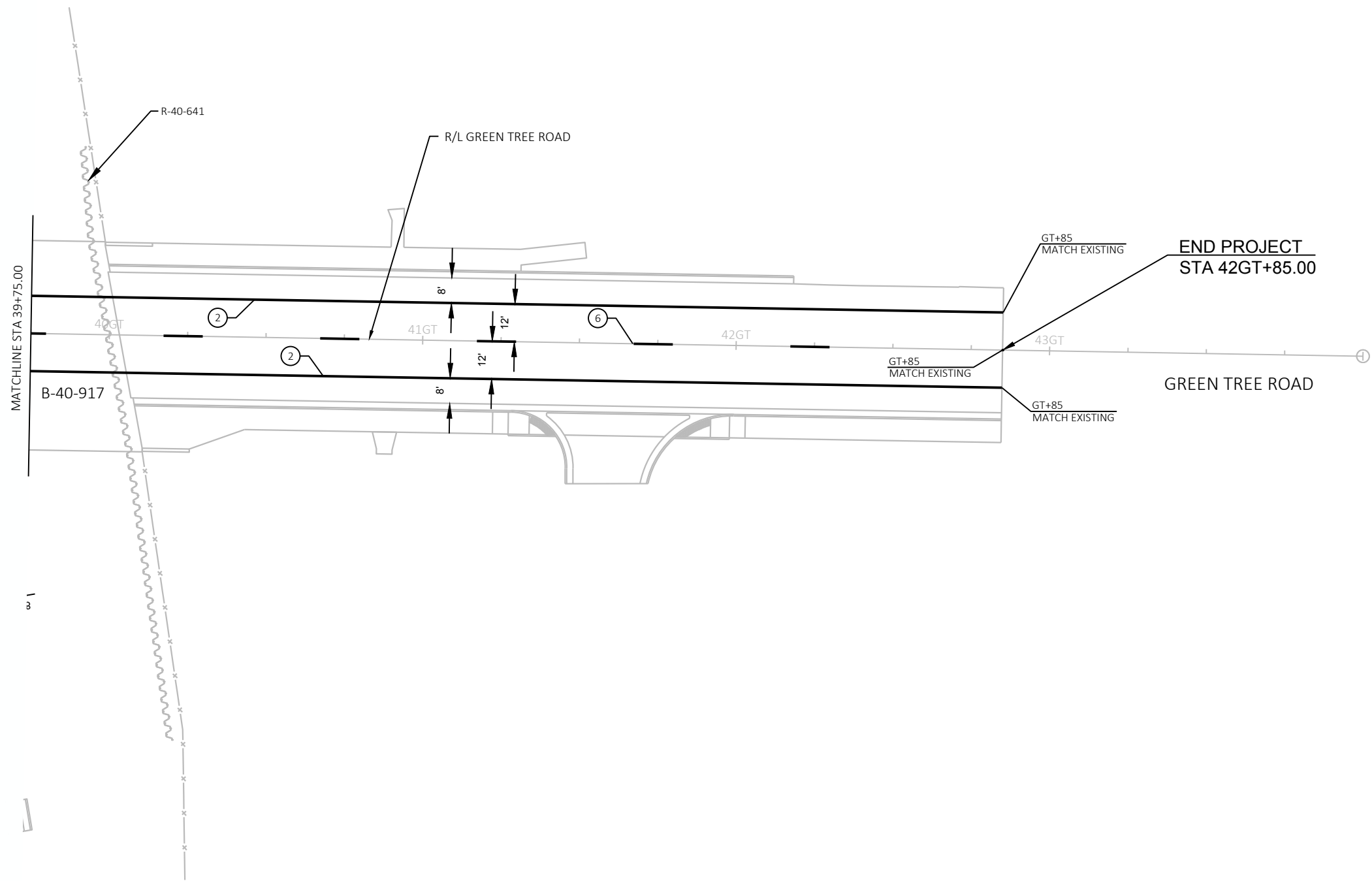
- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (WHITE)
- ③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
- ④ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- ⑤ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑥ MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
- ⑦ MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑧ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- ⑩ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑪ MARKING CHEVRON EPOXY 24-INCH (WHITE)
- ⑫ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- ⑬ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- ⑭ MARKING ARROW EPOXY (WHITE)
- ②⑨ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (WHITE)



LEGEND

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (WHITE)
- ③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
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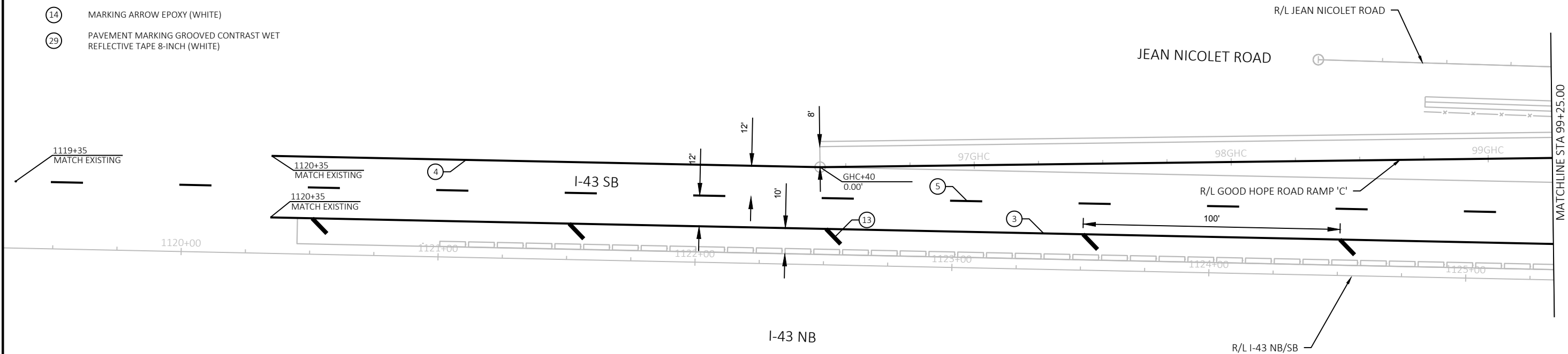


LEGEND

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
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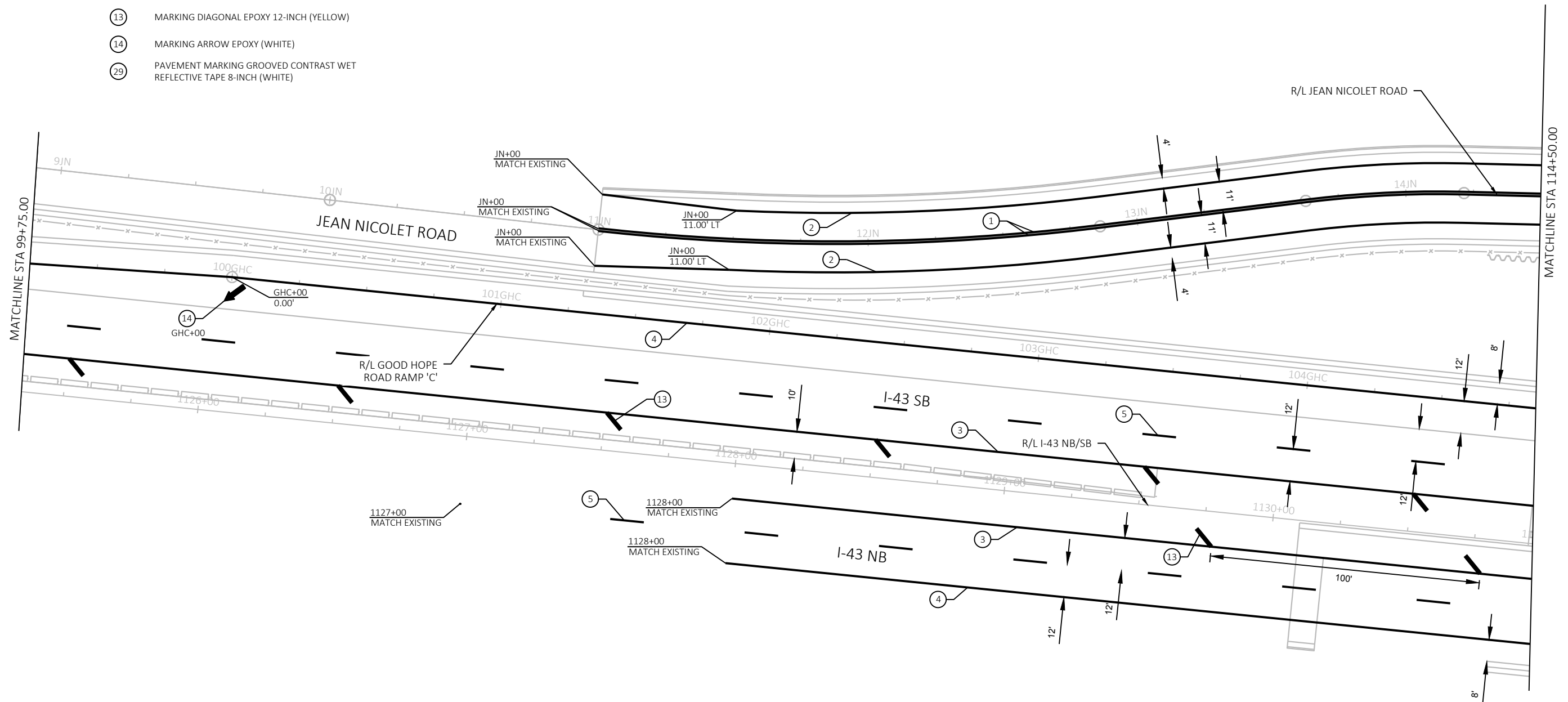
LEGEND

- 1 MARKING LINE EPOXY 4-INCH (YELLOW)
- 2 MARKING LINE EPOXY 4-INCH (WHITE)
- 3 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
- 4 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 5 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 6 MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
- 7 MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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- 10 MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 11 MARKING CHEVRON EPOXY 24-INCH (WHITE)
- 12 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 13 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 14 MARKING ARROW EPOXY (WHITE)
- 29 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (WHITE)



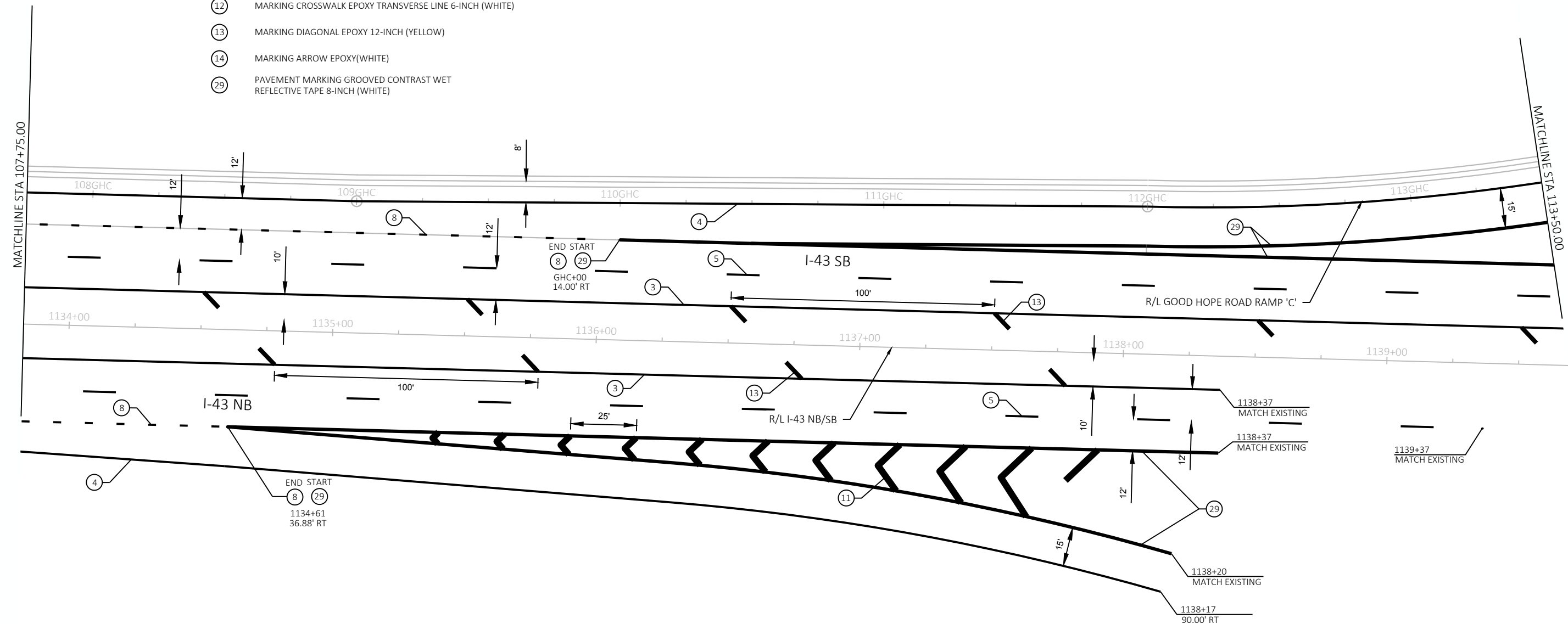
LEGEND

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (WHITE)
- ③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
- ④ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- ⑤ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑥ MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
- ⑦ MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑧ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- ⑩ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑪ MARKING CHEVRON EPOXY 24-INCH (WHITE)
- ⑫ MARKING CROSSWALK EPOXY TRANSVERSE EPOXY 6-INCH (WHITE)
- ⑬ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- ⑭ MARKING ARROW EPOXY (WHITE)
- ⑲ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (WHITE)



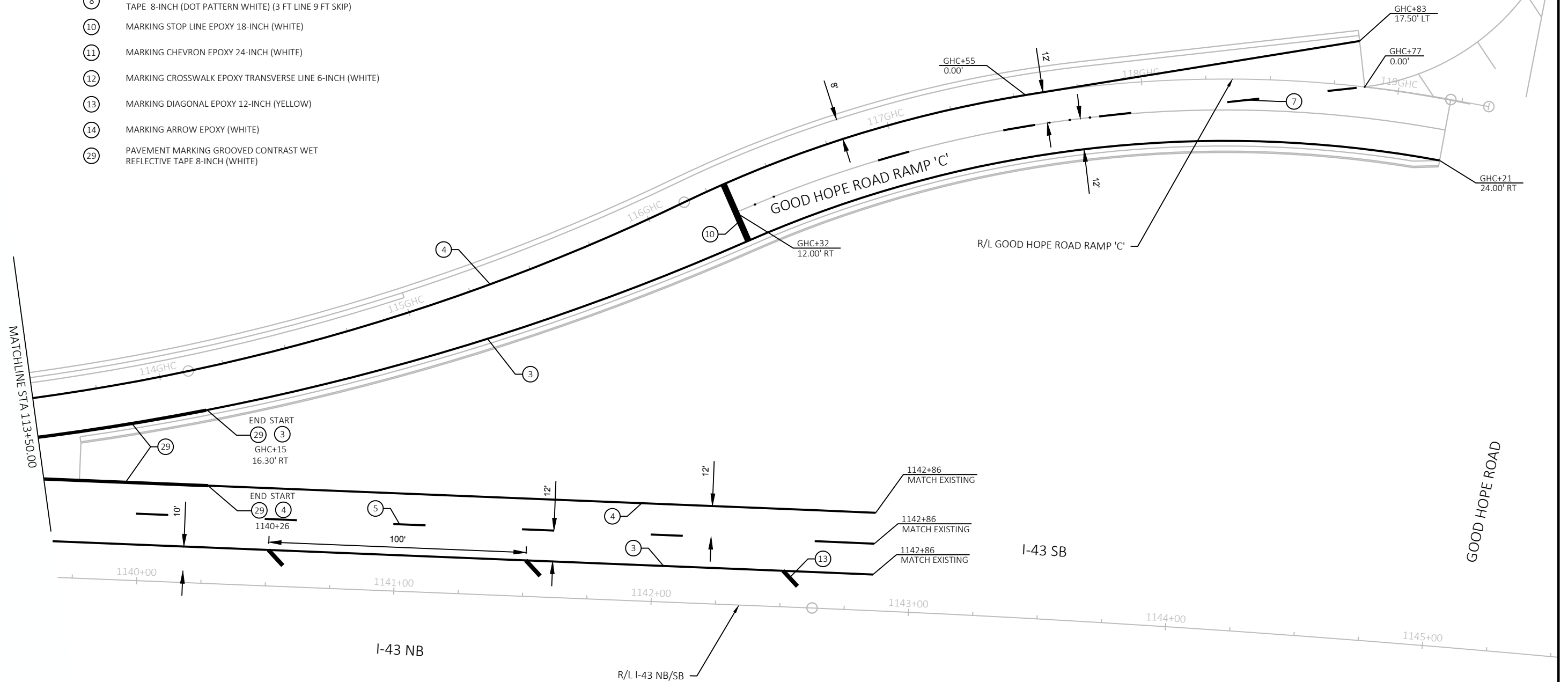
LEGEND

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (WHITE)
- ③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
- ④ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- ⑤ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑥ MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
- ⑦ MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑧ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- ⑩ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑪ MARKING CHEVRON EPOXY 24-INCH (WHITE)
- ⑫ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- ⑬ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- ⑭ MARKING ARROW EPOXY(WHITE)
- ⑲ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (WHITE)



LEGEND

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (WHITE)
- ③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
- ④ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- ⑤ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑥ MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
- ⑦ MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑧ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- ⑩ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑪ MARKING CHEVRON EPOXY 24-INCH (WHITE)
- ⑫ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- ⑬ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- ⑭ MARKING ARROW EPOXY (WHITE)
- ⑲ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH (WHITE)

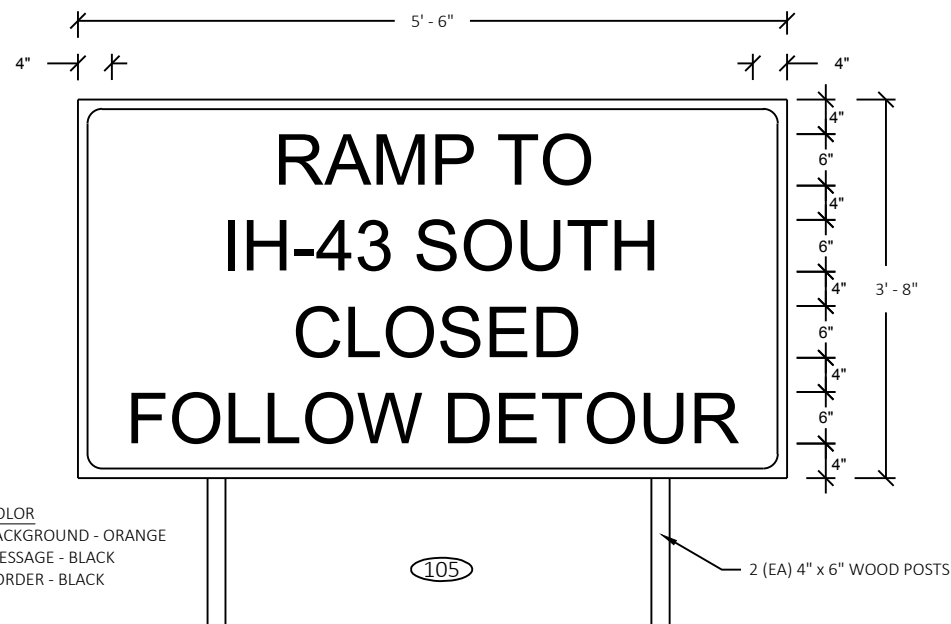
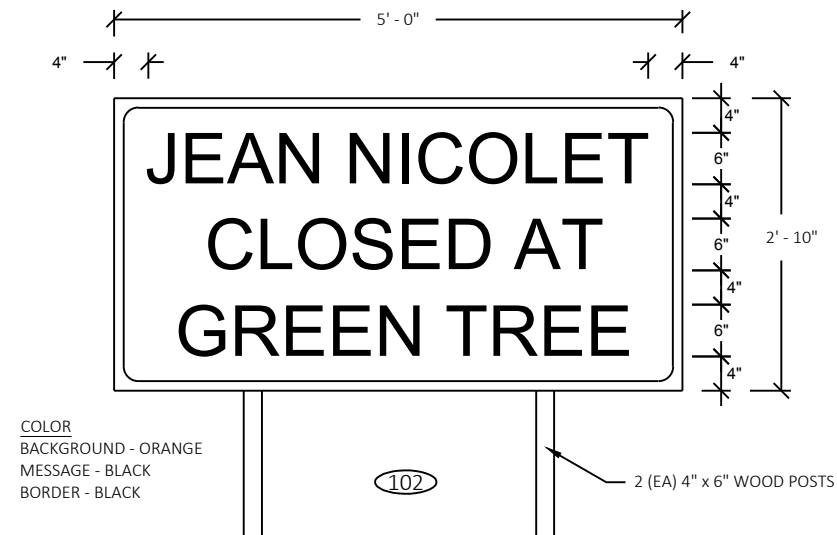


GENERAL NOTES FOR TRAFFIC CONTROL

- 1) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 2) A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- 3) ALL SIGNS ARE 45" X 48" UNLESS OTHERWISE NOTED.
- 4) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- 5) FOR NIGHTTIME OPERATIONS 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) DIMENSION TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE CENTER OF THE BARRIER.
- 8) CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR MINIMUM 500' IN FRONT OF DRUMS.
- 9) ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.
- 10) USE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE FOR ALL TEMPORARY PAVEMENT MARKING PLACED ON FINISHED HMA PAVEMENT SURFACE LAYERS.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH 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
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK ZONE
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT MARKING STOP LINE, 18-INCH
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE YELLOW, 4-INCH
- CRASH CUSHIONS TEMPORARY
- FIXED MESSAGE SIGN NUMBER
(REFER TO TRAFFIC CONTROL - DETAILS FOR SIGN DETAILS)



NOTES

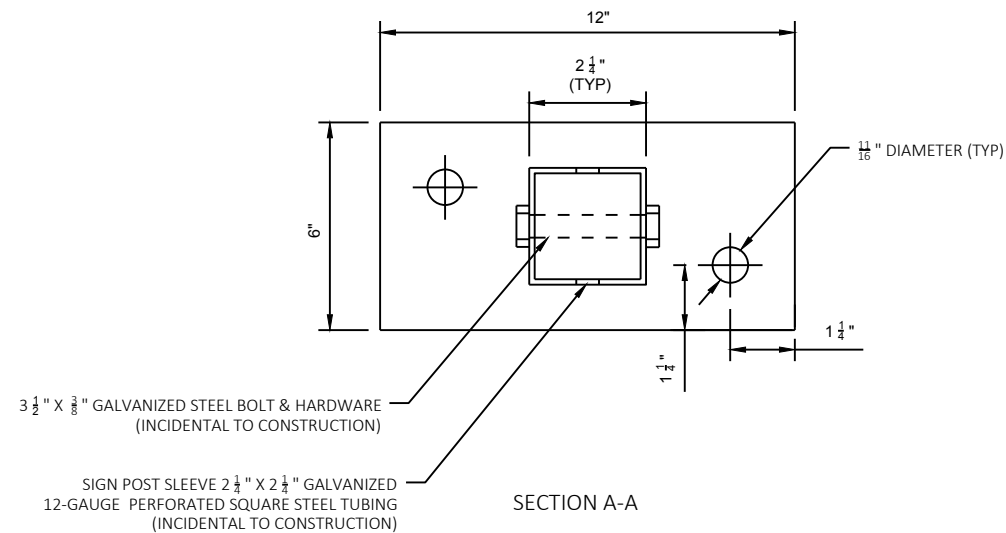
- 1) AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
- 2) ALL SIGNS TO BE MOUNTED ON WOODEN POSTS SUPPORTS (4" X 6") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SUPPORTS.
- 3) POSTS SHALL MEET THE BREAKAWAY REQUIREMENTS OF SECTION 643.2.9.1 OF THE STANDARD SPECIFICATIONS AND SIGN PLATE A4-11.
- 4) SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
- 5) SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE NOTED.
- 6) ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS: 12" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C".
- 7) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
- 8) SIGN BASE MATERIALS ARE INCHES UNLESS OTHERWISE NOTED.

(XXX) = FIXED MESSAGE SIGN NUMBER

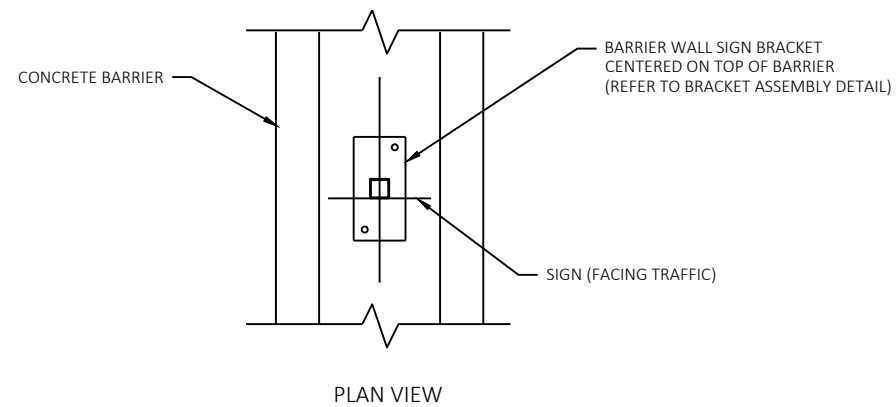
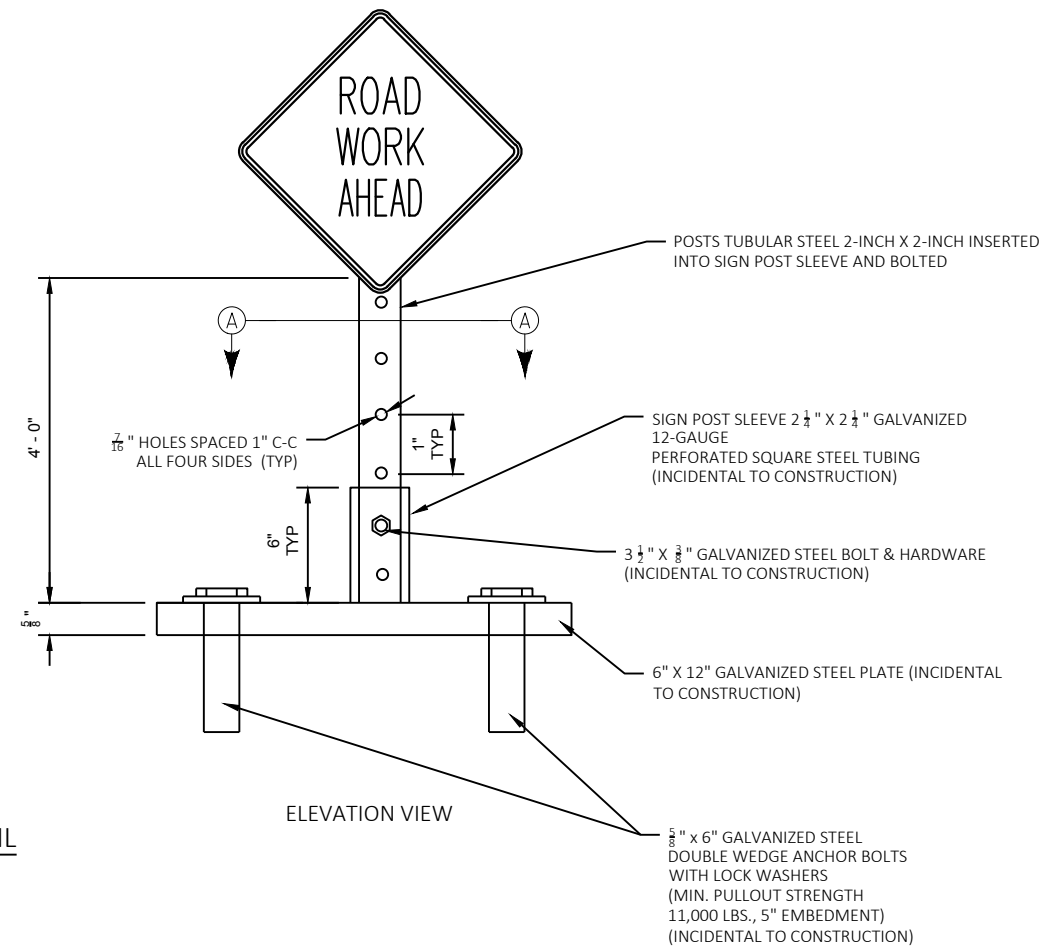
10) ALL SIGNS SHALL HAVE A BORDER AND RADIUS (OF BORDERS) AS FOLLOWS:

SIGN AREA	WIDTH OF BORDER
GREATER THAN 150 SQ FEET	3"
60-150 SQ FEET	2"
LESS THAN 60 SQ FEET	1"

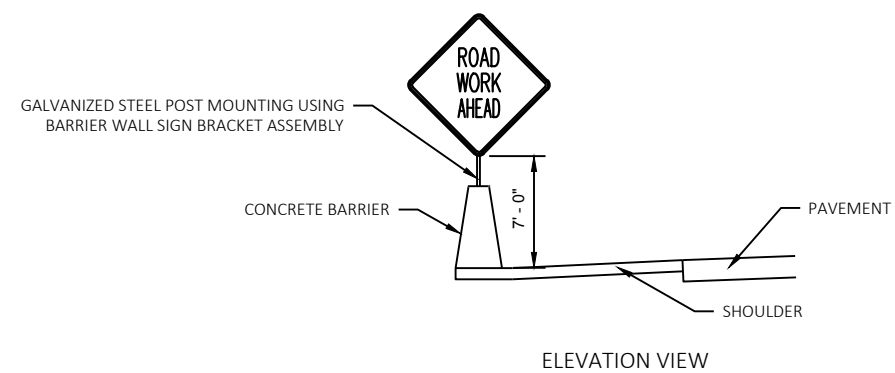
SMALLEST OUTSIDE DIMENSION	CORNER RADIUS
GREATER THAN 8 FEET	12"
<8 AND GREATER THAN OR EQUAL TO 6 FEET	9"
<6 AND GREATER THAN OR EQUAL TO 4 FEET	6"
LESS THAN 4 FEET	3"



BRACKET ASSEMBLY DETAIL



MEDIAN BARRIER MOUNTING DETAIL

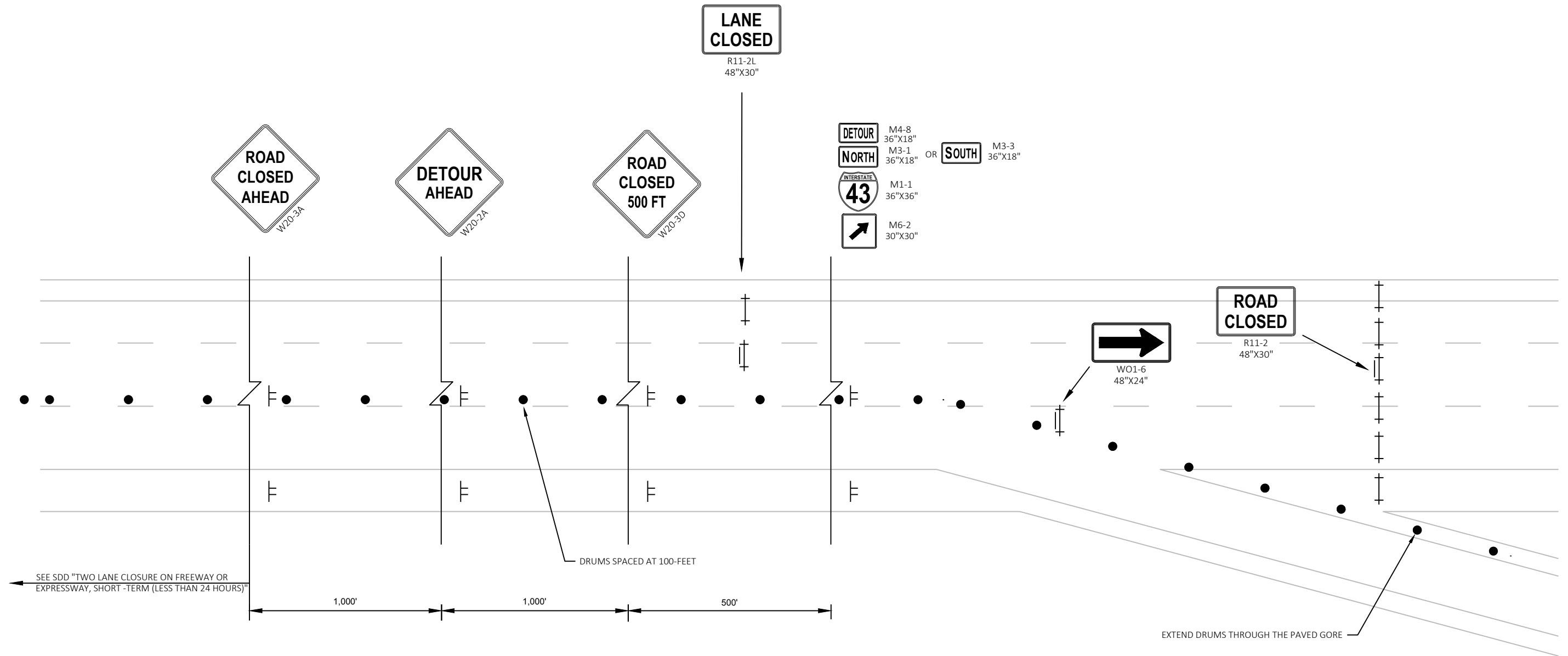


NOTES:

1. SIGNS SHALL NOT BE MOUNTED ON MEDIAN BARRIER WHEN DISTANCE IS LESS THAN 4' FROM BASE OF BARRIER TO EDGE OF TRAVEL LANE.
2. IF SIGNS ENCROACH ONTO TRAVEL WAY, REDUCE SIZE OF SIGN TO 36" X 36"

MOUNTING DETAILS FOR SIGNS MOUNTED TO MEDIAN BARRIER

NOT TO SCALE

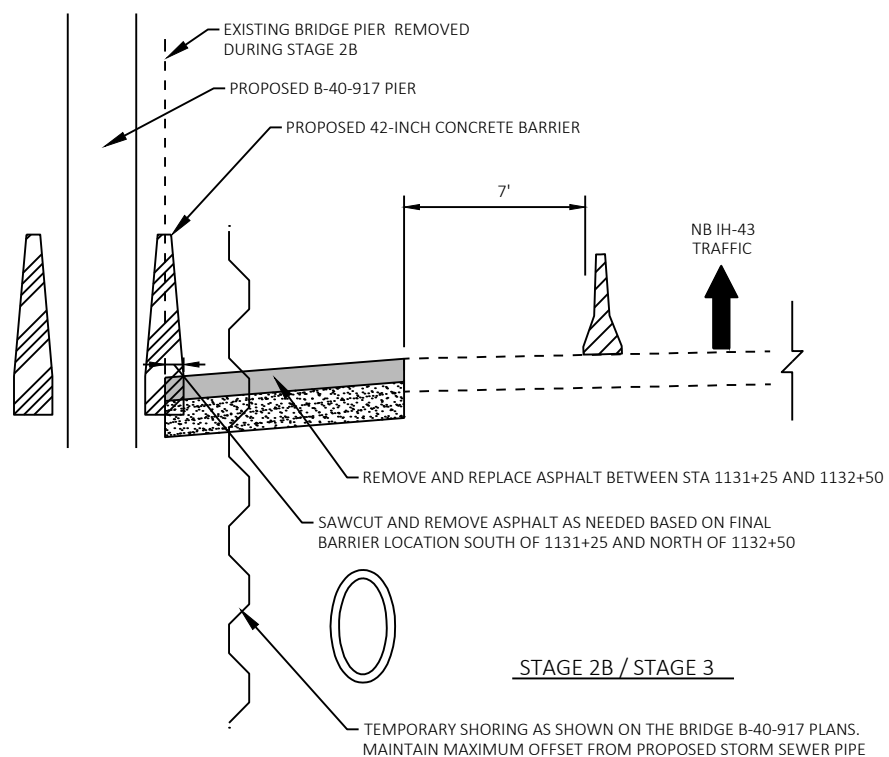
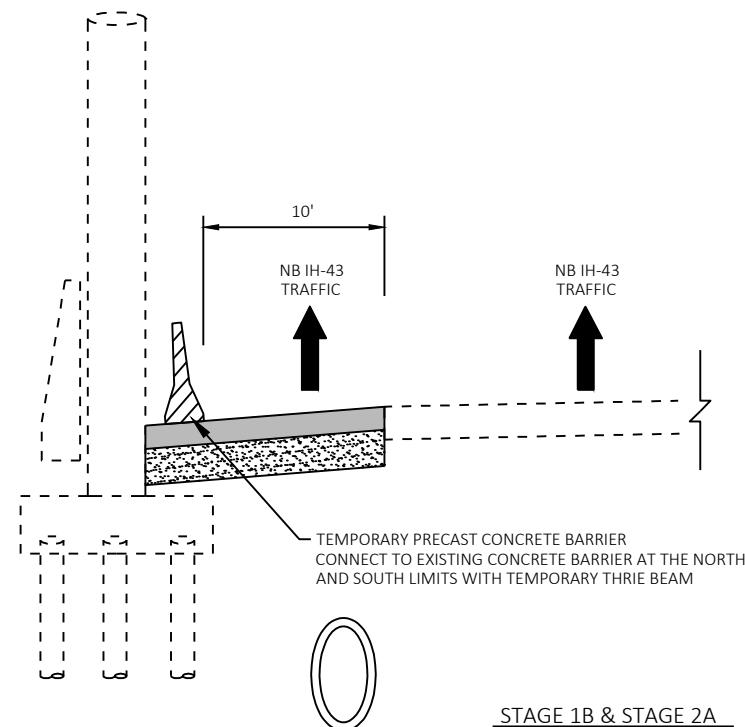
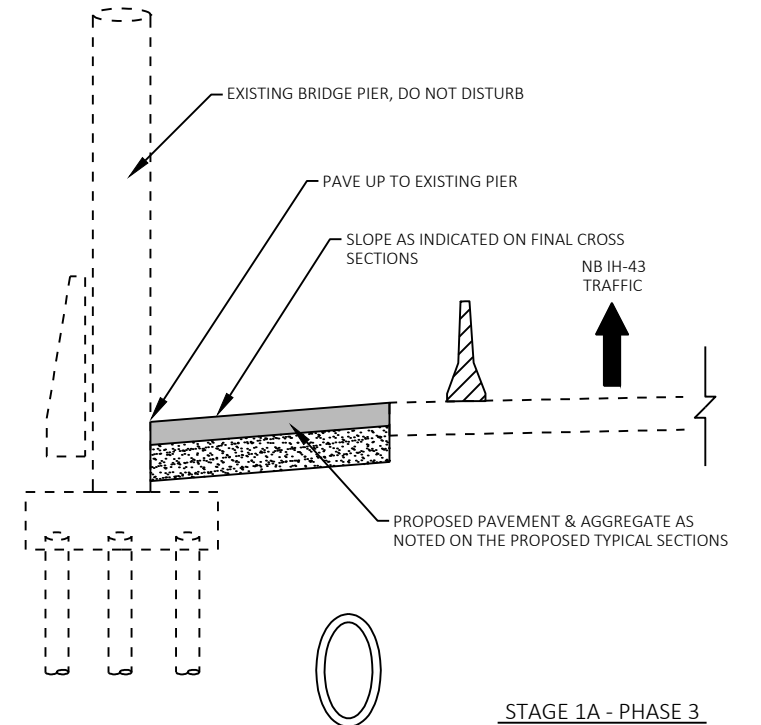
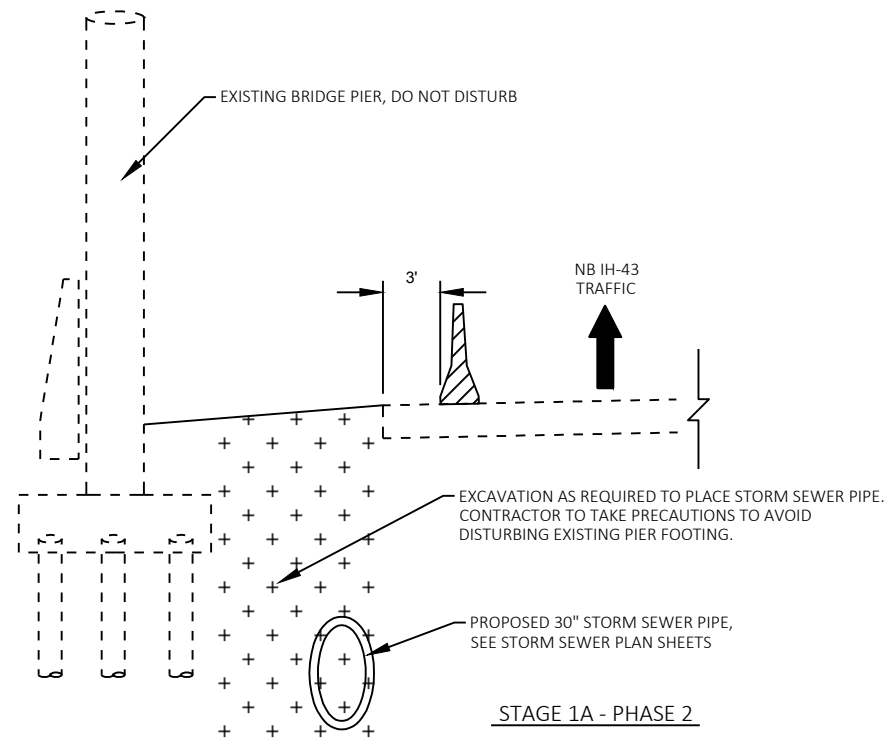
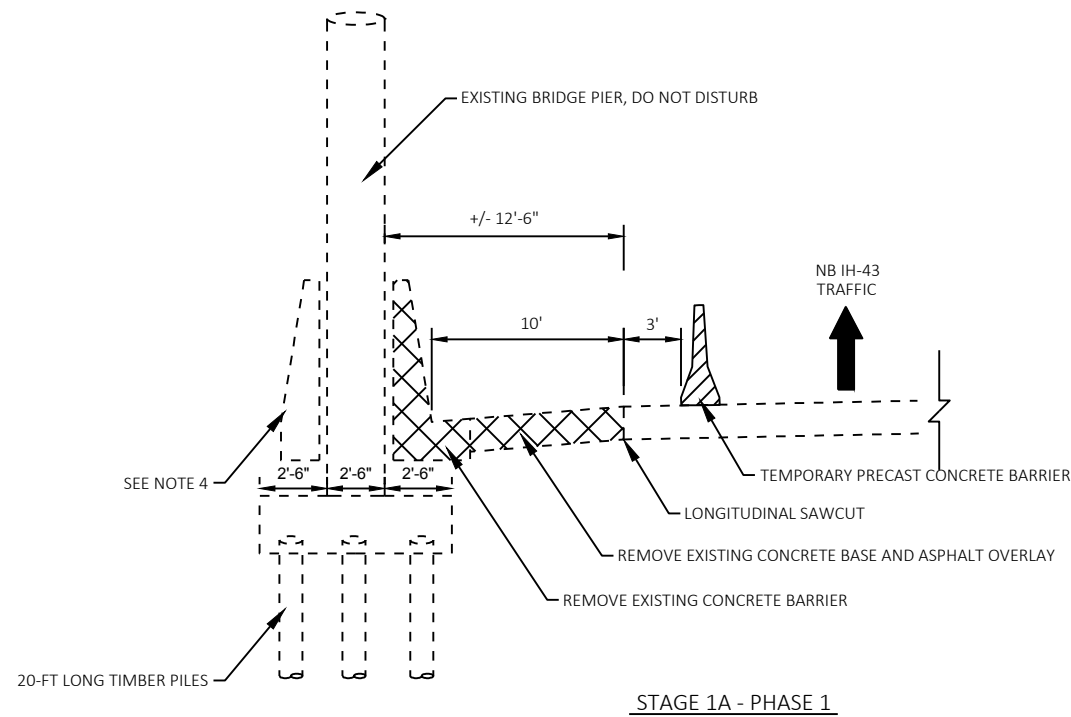


NOTES:

- 1) USE OF PERMANENT SIGN POSTS MUST BE COORDINATED WITH THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR COVERING SIGNS IF THE CONTRACTOR LEAVES SIGNS EXPOSED DURING NOT CLOSURE TIMES.
- 2) DOUBLE LANE CLOSURE MUST BE ESTABLISHED PRIOR TO THE FULL ROADWAY CLOSURE. REFER TO THE PROSECUTION AND PROGRESS FOR DETAILS REGARDING ALLOWABLE CLOSURE TIME PERIODS.
- 3) FOR ADDITIONAL DETOUR SIGNING, REFER TO SEPARATE DETOUR SHEETS.

FULL MAINLINE CLOSURE FOR DETOUR

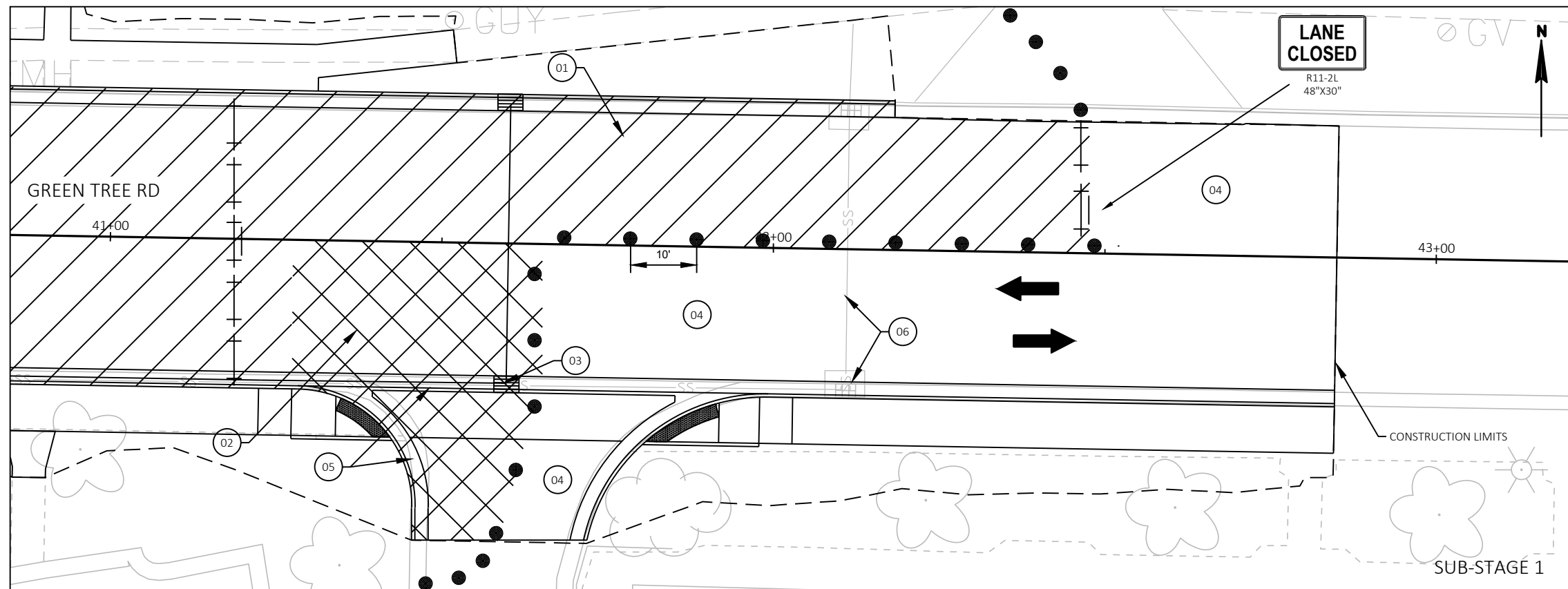
FOR USE WITH BOTH DIRECTIONS OF MAINLINE TRAFFIC
NOT TO SCALE



NB IH-43 MEDIAN CONSTRUCTION DETAILS

NOTES:

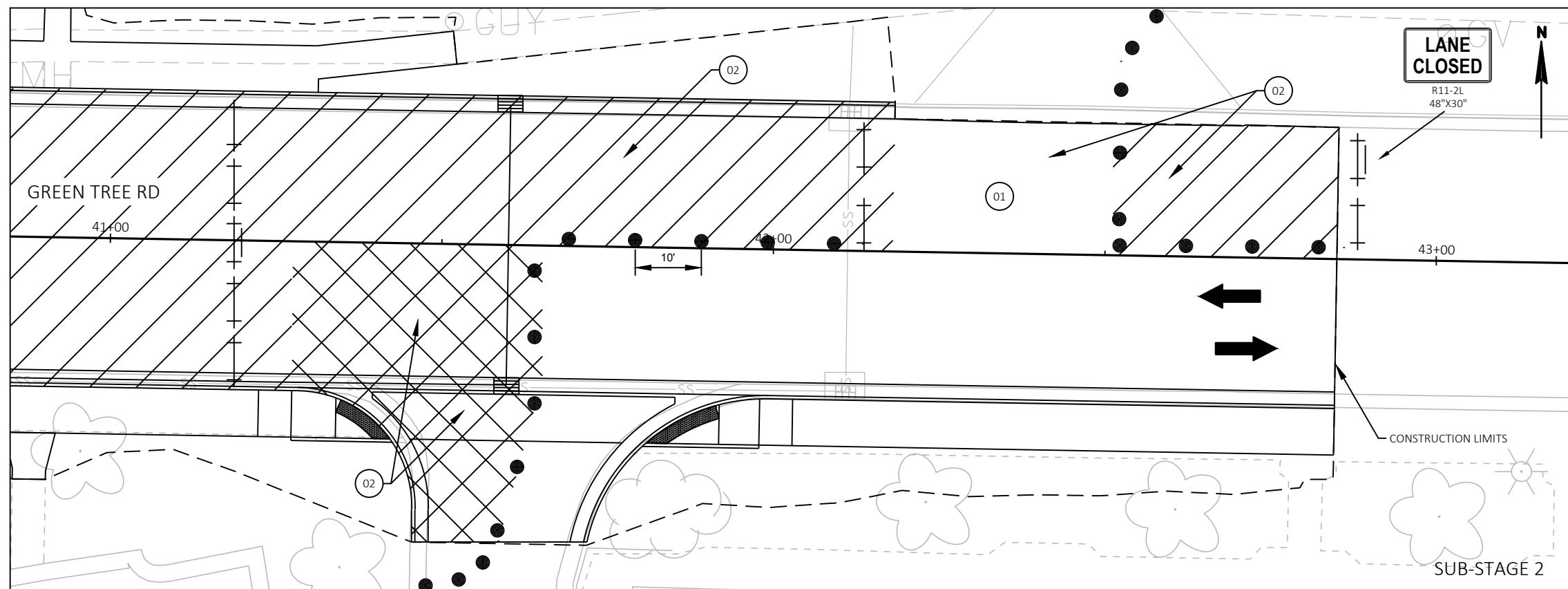
- 1) INFORMATION ABOVE IS BASED ON STAGING PLAN AS SHOWN AND AS DISCUSSED IN THE PROSECUTION AND PROGRESS. ANY DEVIATIONS TO THE PROPOSED STAGING PLAN WILL ALTER THE DETAILS AS SHOWN ABOVE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO DETERMINE THE APPROPRIATE STEPS TO UPDATE THIS DETAIL AS NEEDED.
- 2) OFFSETS MAY VARY SLIGHTLY AND NEED TO BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- 3) REFER TO THE GENERAL NOTES FOR INSTRUCTIONS RELATED TO EXISTING UTILITIES.
- 4) REMOVE BARRIER AS NEEDED TO CONSTRUCT STORM PIPE BETWEEN MH206 AND MH207

**SUB-STAGE 1 NOTES**

- (1) HATCHED AREA REPRESENTS WORKZONE CLOSED FOR THE DURATION OF THIS STAGE
- (2) CROSSHATCHED AREA REPRESENTS WORKZONE WHICH NEEDS TO BE OPEN DURING NON-WORKING HOURS TO ALLOW FOR TRUCK MOVEMENTS TURNING INTO THE SOUTH DRIVEWAY. EXCEPTIONS ARE AS FOLLOWS:
- * 1 DAY FOR INSTALLING INLET AND STORM SEWER PIPE
 - * 2 DAYS FOR SETTING CURB AND GUTTER STRING LINE AND PAVING CURB AND GUTTER
 - * UP TO 1 DAY FOR CURB AND GUTTER TO CURE
- ONCE THE EXISTING PAVEMENT IS REMOVED, MAINTAIN A DRIVEABLE SURFACE AS DIRECTED BY THE ENGINEER.
- (3) PROPOSED STORM SEWER INLET, SEE SEPARATE STORM SEWER PLANS
- (4) TRAFFIC REMAINS ON EXISTING PAVEMENT.
- (5) HIGH EARLY STRENGTH CONCRETE AS NOTED IN THE PLAN DETAIL SHEETS.
- (6) EXISTING STORM SEWER TO REMAIN

REFER TO TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN HERE. SUB-STAGE NUMBERING DOES NOT MATCH STAGE NUMBERING USED WITH THE TRAFFIC CONTROL STAGING SHEETS. CONTRACTOR TO WORK WITH THE ENGINEER TO DETERMINE THE BEST TIMELINE TO COMPLETE THESE SUB-STAGES.

ALL WORK REQUIRED TO MAINTAIN A DRIVEABLE SURFACE WILL BE CONSIDERED INCIDENTAL TO THE ITEM "TRAFFIC CONTROL, 1228-16-71"

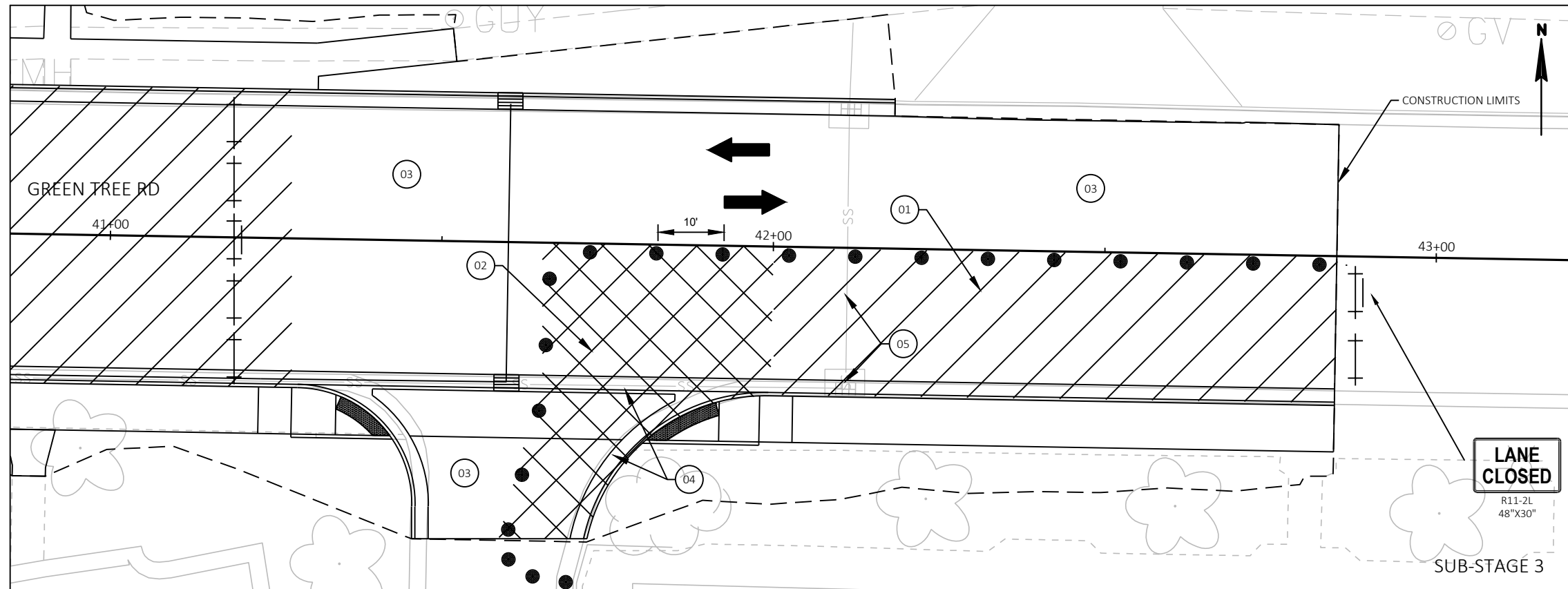
**SUB-STAGE 2 NOTES**

UNLESS OTHERWISE NOTED, ALL NOTES SHOWN IN SUB-STAGE 1 APPLY TO SUB-STAGE 2

- (1) AREA MAY REMAIN UNPAVED FOR A MAXIMUM DURATION OF 1 CALENDAR WEEK
- (2) PAVE ALL AREAS DISTURBED DURING SUB-STAGES 1 AND 2 WITH THE BINDER LIFT OF ASPHALT PRIOR TO SWITCHING TO THE NEXT SUB-STAGE.

REFER TO TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN HERE. SUB-STAGE NUMBERING DOES NOT MATCH STAGE NUMBERING USED WITH THE TRAFFIC CONTROL STAGING SHEETS. CONTRACTOR TO WORK WITH THE ENGINEER TO DETERMINE THE BEST TIMELINE TO COMPLETE THESE SUB-STAGES.

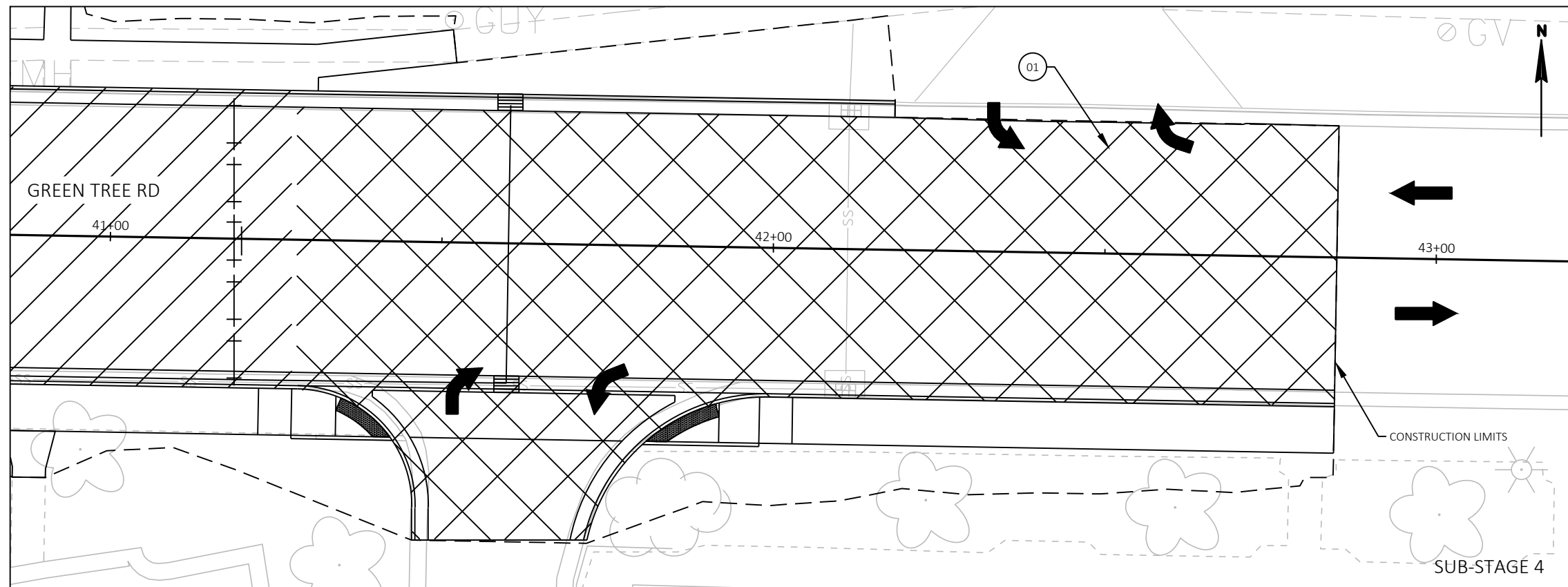
ALL WORK REQUIRED TO MAINTAIN A DRIVEABLE SURFACE WILL BE CONSIDERED INCIDENTAL TO THE ITEM "TRAFFIC CONTROL, 1228-16-71"

**SUB-STAGE 3 NOTES**

- (1) HATCHED AREA REPRESENTS WORKZONE CLOSED FOR THE DURATION OF THIS STAGE
- (2) CROSSHATCHED AREA REPRESENTS WORKZONE WHICH NEEDS TO BE OPEN DURING NON-WORKING HOURS TO ALLOW FOR TRUCK MOVEMENTS TURNING INTO THE SOUTH DRIVEWAY. EXCEPTIONS ARE AS FOLLOWS:
- * 1/2 DAY FOR REMAINING STORM SEWER WORK NOT COMPLETED IN PREVIOUS SUB-STAGE (IF NEEDED)
 - * 2 DAYS FOR SETTING CURB AND GUTTER STRING LINE AND PAVING CURB AND GUTTER
 - * UP TO 1 DAY FOR CURB AND GUTTER TO CURE
- ONCE THE EXISTING PAVEMENT IS REMOVED, MAINTAIN A DRIVEABLE SURFACE AS DIRECTED BY THE ENGINEER.
- (3) TRAFFIC ON THE BINDER LIFT OF ASPHALT PLACED IN THE PREVIOUS SUB-STAGE
- (4) HIGH EARLY STRENGTH CONCRETE AS NOTED IN THE PLAN DETAIL SHEETS.
- (5) EXISTING STORM SEWER TO REMAIN

REFER TO TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN HERE. SUB-STAGE NUMBERING DOES NOT MATCH STAGE NUMBERING USED WITH THE TRAFFIC CONTROL STAGING SHEETS. CONTRACTOR TO WORK WITH THE ENGINEER TO DETERMINE THE BEST TIMELINE TO COMPLETE THESE SUB-STAGES.

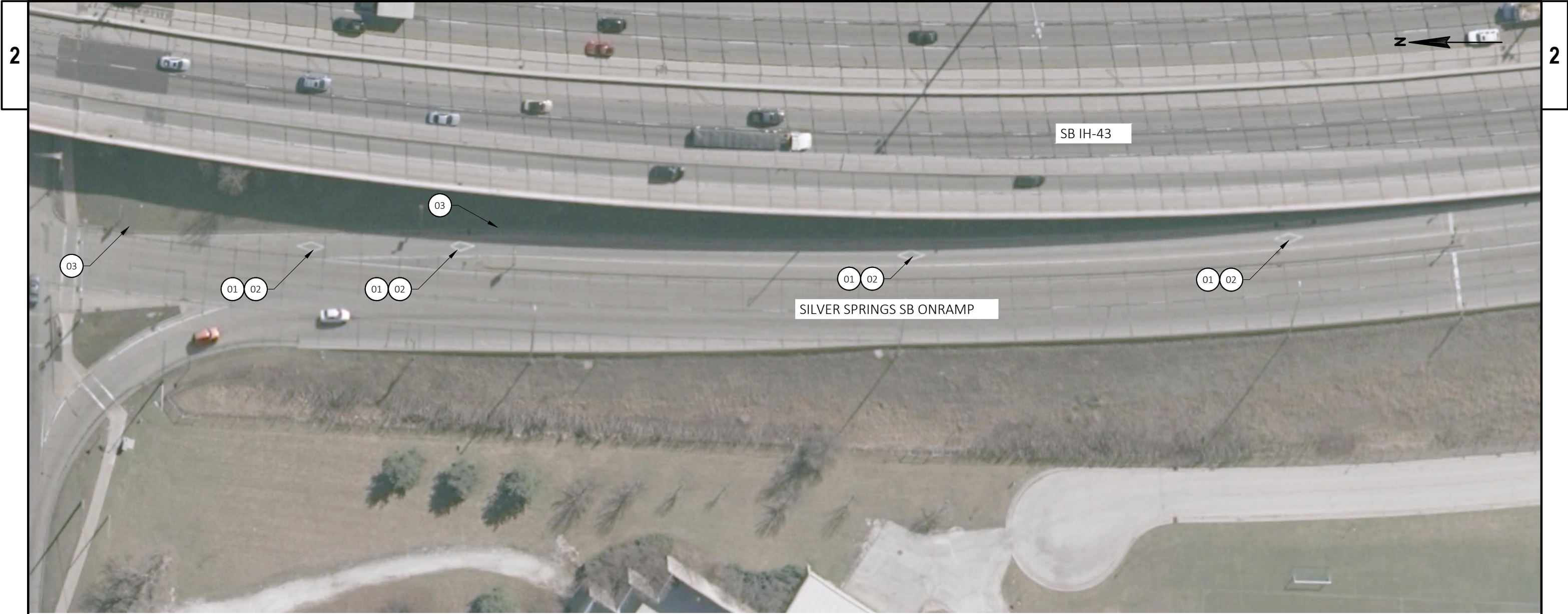
ALL WORK REQUIRED TO MAINTAIN A DRIVEABLE SURFACE WILL BE CONSIDERED INCIDENTAL TO THE ITEM "TRAFFIC CONTROL, 1228-16-71"

**SUB-STAGE 4 NOTES**

- (1) COMPLETE THE SURFACE LIFT OF ASPHALT. PRIOR TO PAVING OPERATIONS THE ROAD SHALL REMAIN OPEN TO TRAFFIC AS NOTED IN SUB-STAGE 3. CONTRACTOR IS TO AVOID DISTURBING TRAFFIC PATTERNS AS MUCH AS POSSIBLE.

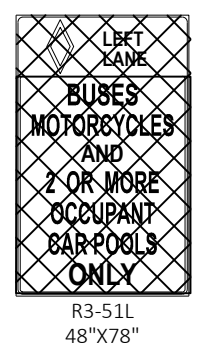
REFER TO TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN HERE. SUB-STAGE NUMBERING DOES NOT MATCH STAGE NUMBERING USED WITH THE TRAFFIC CONTROL STAGING SHEETS. CONTRACTOR TO WORK WITH THE ENGINEER TO DETERMINE THE BEST TIMELINE TO COMPLETE THESE SUB-STAGES.

ALL WORK REQUIRED TO MAINTAIN A DRIVEABLE SURFACE WILL BE CONSIDERED INCIDENTAL TO THE ITEM "TRAFFIC CONTROL, 1228-16-71"



NOTES

- 01 REMOVE EXISTING HOV DIAMOND PAVEMENT MARKINGS PRIOR TO THE CLOSURE OF THE SB IH-43 ONRAMP FROM GOOD HOPE ROAD.
- 02 REPLACE PAVEMENT MARKINGS AT THEIR CURRENT LOCATION. SEE MISCELLANEOUS QUANTITIES FOR ADDITIONAL DETAILS. MARKINGS SHALL BE REPLACED AFTER THE SB-IH-43 ONRAMP FROM GOOD HOPE ROAD IS OPEN TO TRAFFIC. REPLACE MARKINGS DURING A NON PEAK HOUR APPROVED BY THE ENGINEER. ALL TRAFFIC CONTROL REQUIRED SHALL BE INCIDENTAL TO THE PAY ITEM FOR THE HOV MARKINGS.
- 03 COVER EXISTING R3-51L SIGN AS SHOWN TO THE RIGHT.



LEGEND



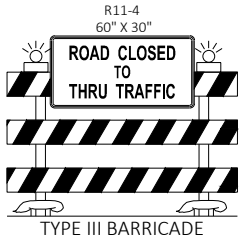
CONTRACTOR TO NOTIFY THE ENGINEER AT LEAST 14 DAYS PRIOR TO MODIFICATIONS TO THE RAMP.
ENGINEER TO NOTIFY STOC TO ALLOW FOR CHANGES TO THE RAMP METER SIGNAL TIMING.

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL DETAILSSILVER SPRINGS SOUTHBOUND ON-RAMP	SHEET	E
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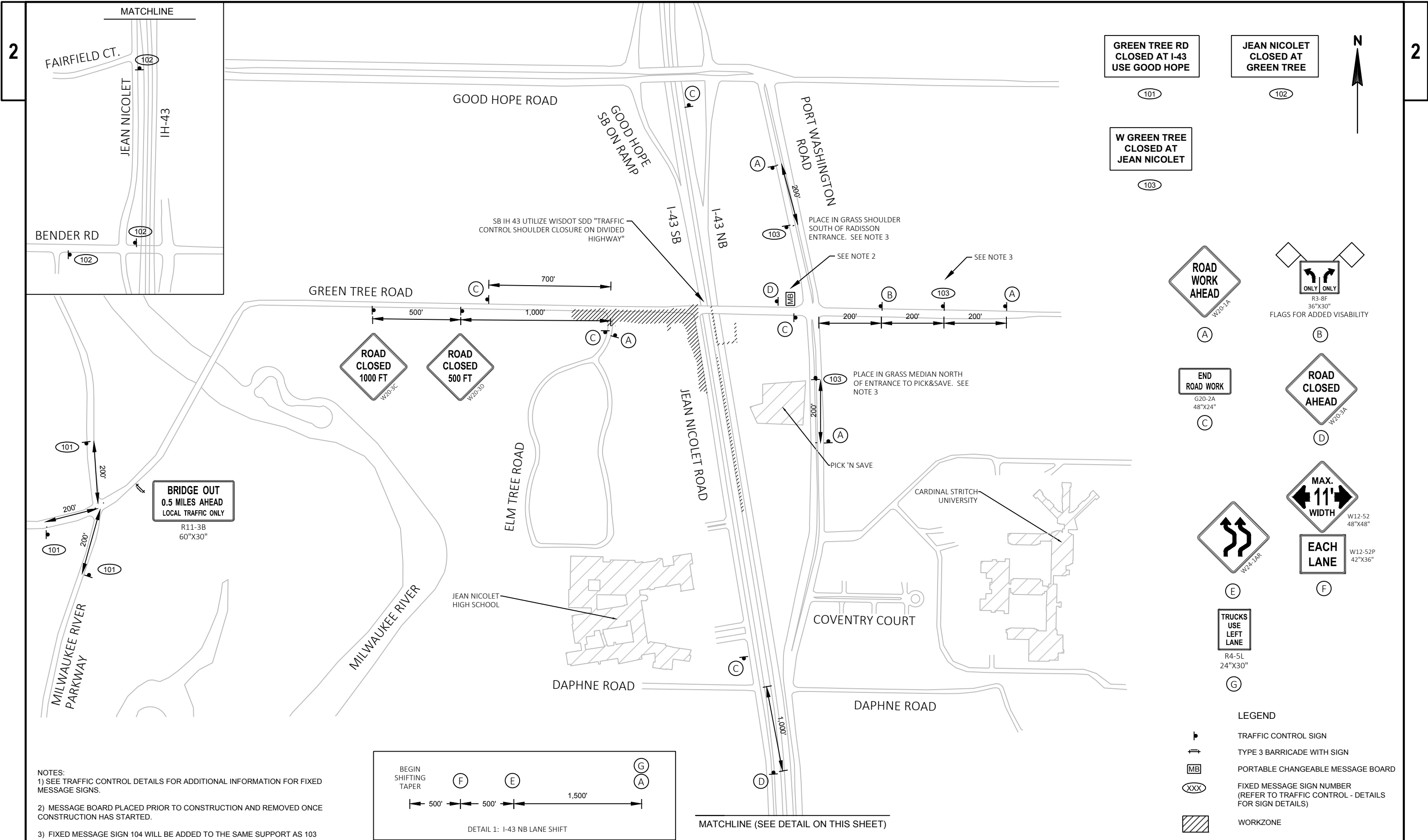


NOTES

PLACE TYPE 3 BARRICADE WITH SIGN SHOWN ALONG FAIRFIELD CT PRIOR TO THE CLOSURE OF THE GREEN TREE BRIDGE. MODIFY AS NEEDED BASED ON DIRECTION FROM THE ENGINEER.



01



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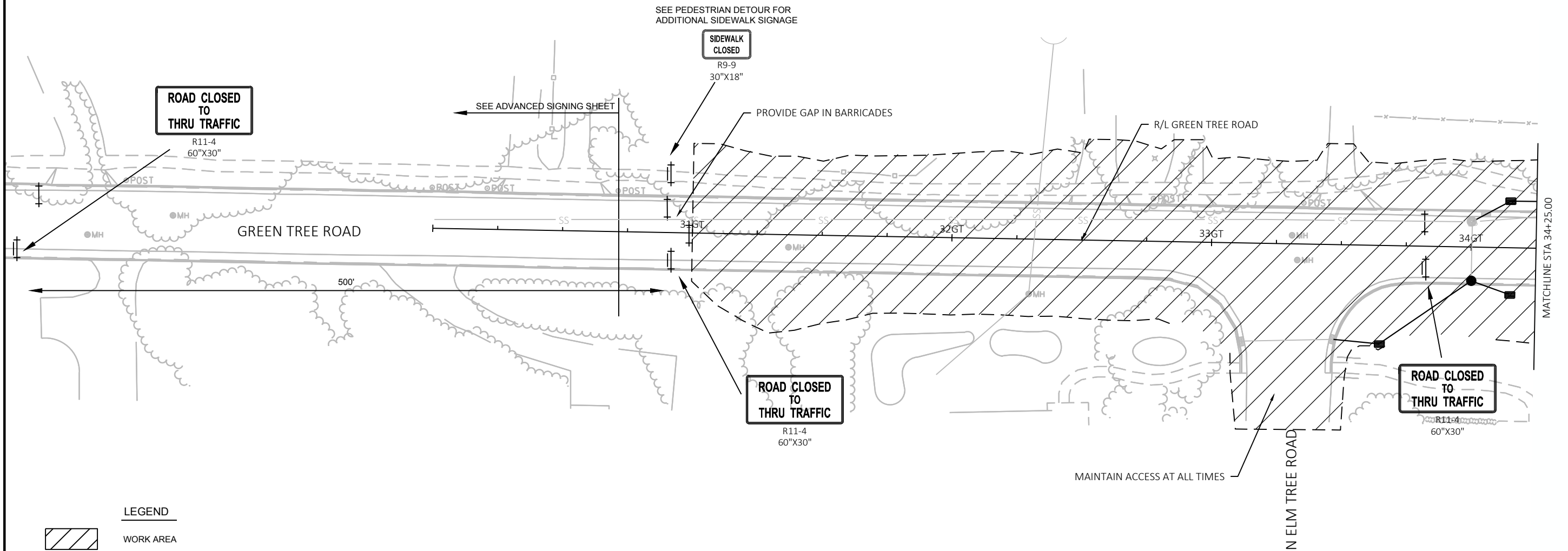
HWY: IH-43

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 1A ADVANCED SIGNING

SHEET

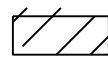
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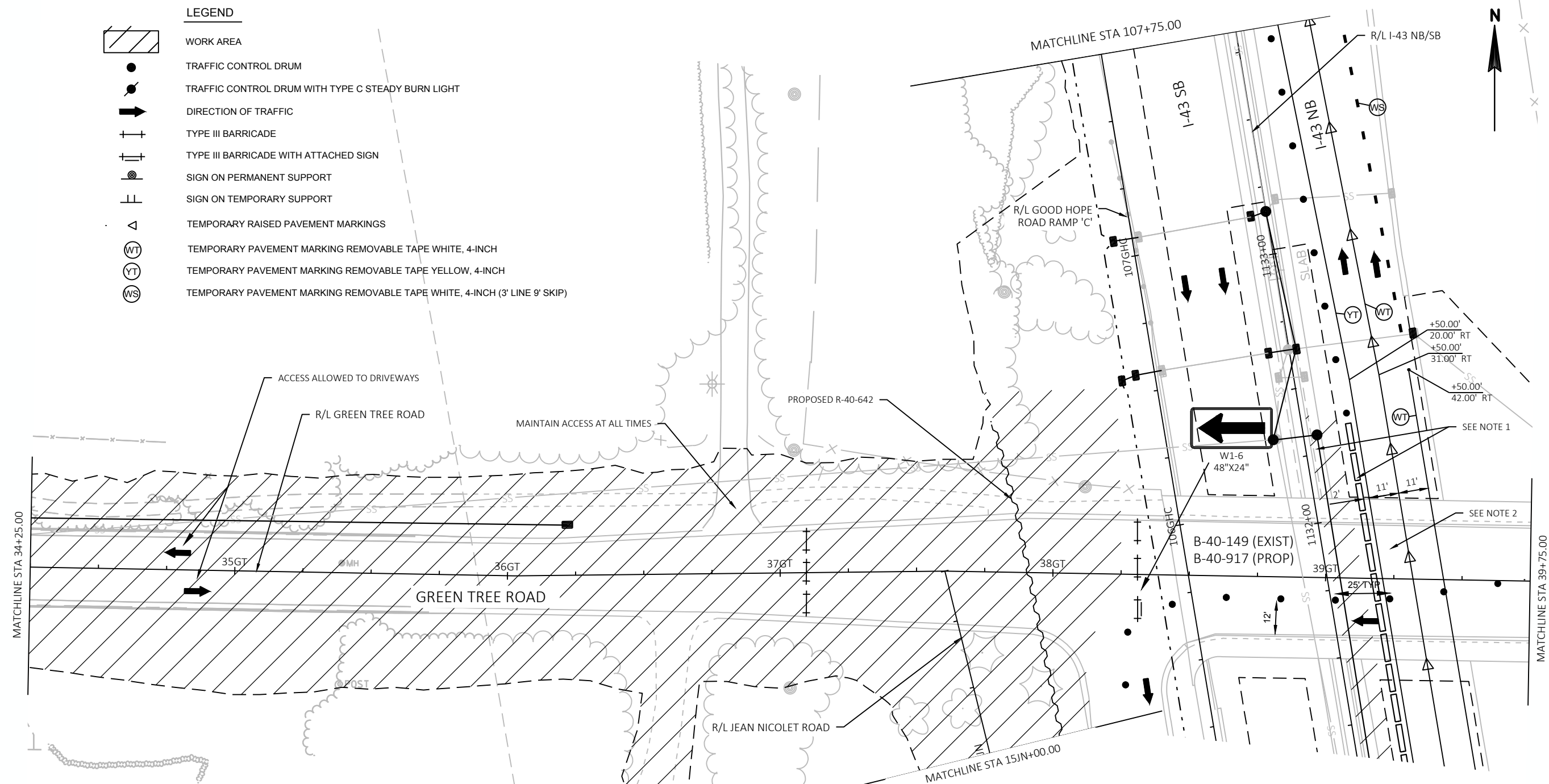


LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

LEGEND

	WORK AREA
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	TYPE III BARRICADE WITH ATTACHED SIGN
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TEMPORARY RAISED PAVEMENT MARKINGS
	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH
	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE YELLOW, 4-INCH
	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH (3' LINE 9' SKIP)



NOTES

- 1) REMOVE EXISTING MEDIAN CONCRETE BARRIER TO CONSTRUCT STORM SEWER. AT THE END OF STAGE 1A MOVE THE TEMPORARY PRECAST CONCRETE BARRIER TO REPLACE THE REMOVED PERMANENT BARRIER. FASTEN TEMPORARY THREE BEAM PIECES BETWEEN THE FIXED CONCRETE BARRIER AND THE TEMPORARY PRECAST CONCRETE BARRIER. FINAL CONCRETE BARRIER WILL BE CONSTRUCTED IN STAGE 3
- 2) NIGHTTIME SINGLE LANE CLOSURE ALLOWED DURING TIMES AS SPECIFIED WITHIN THE SPECIAL PROVISIONS.

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COUNTY: MILWAUKEE

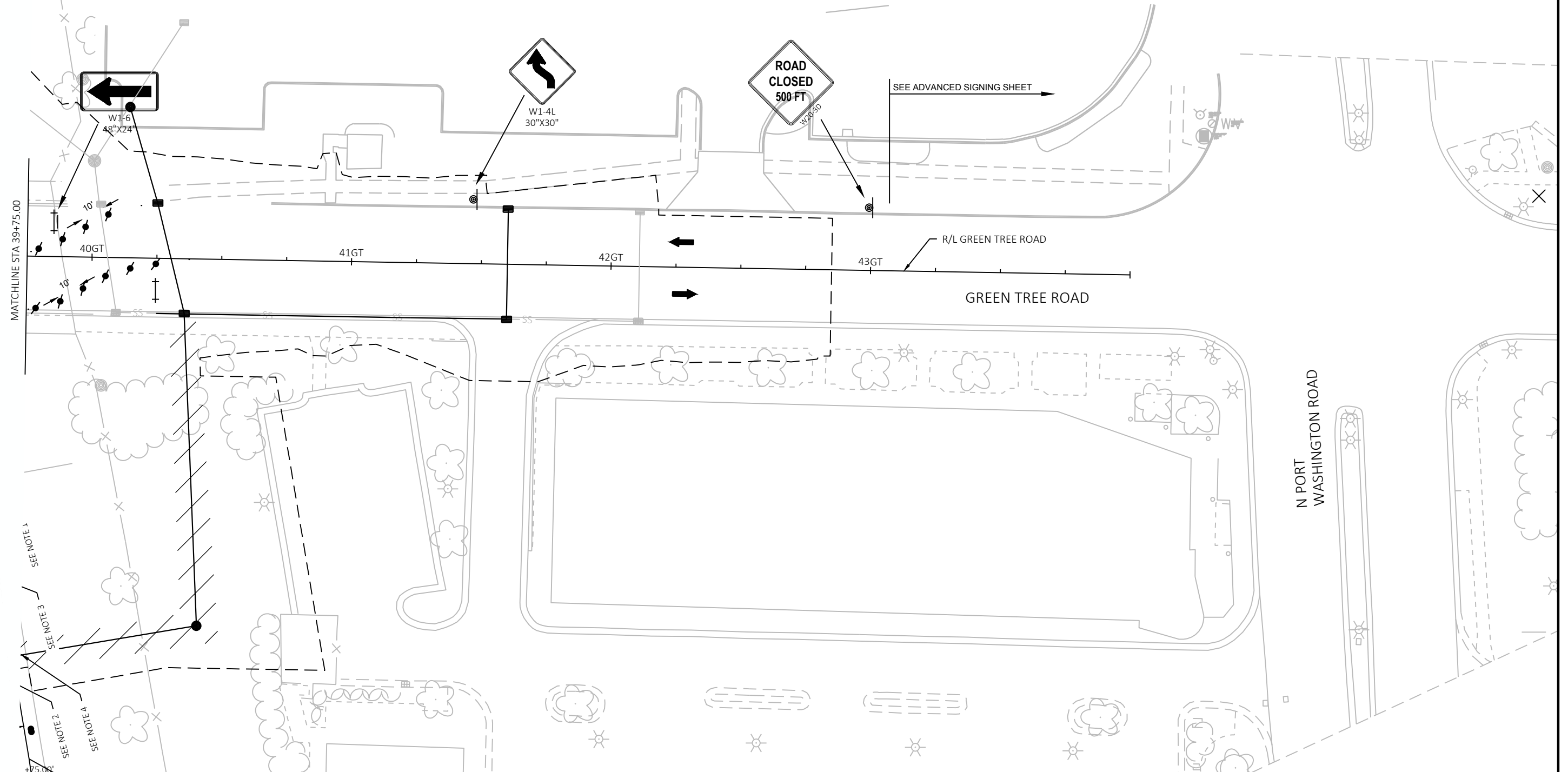
TRAFFIC CONTROL - STAGE 1A

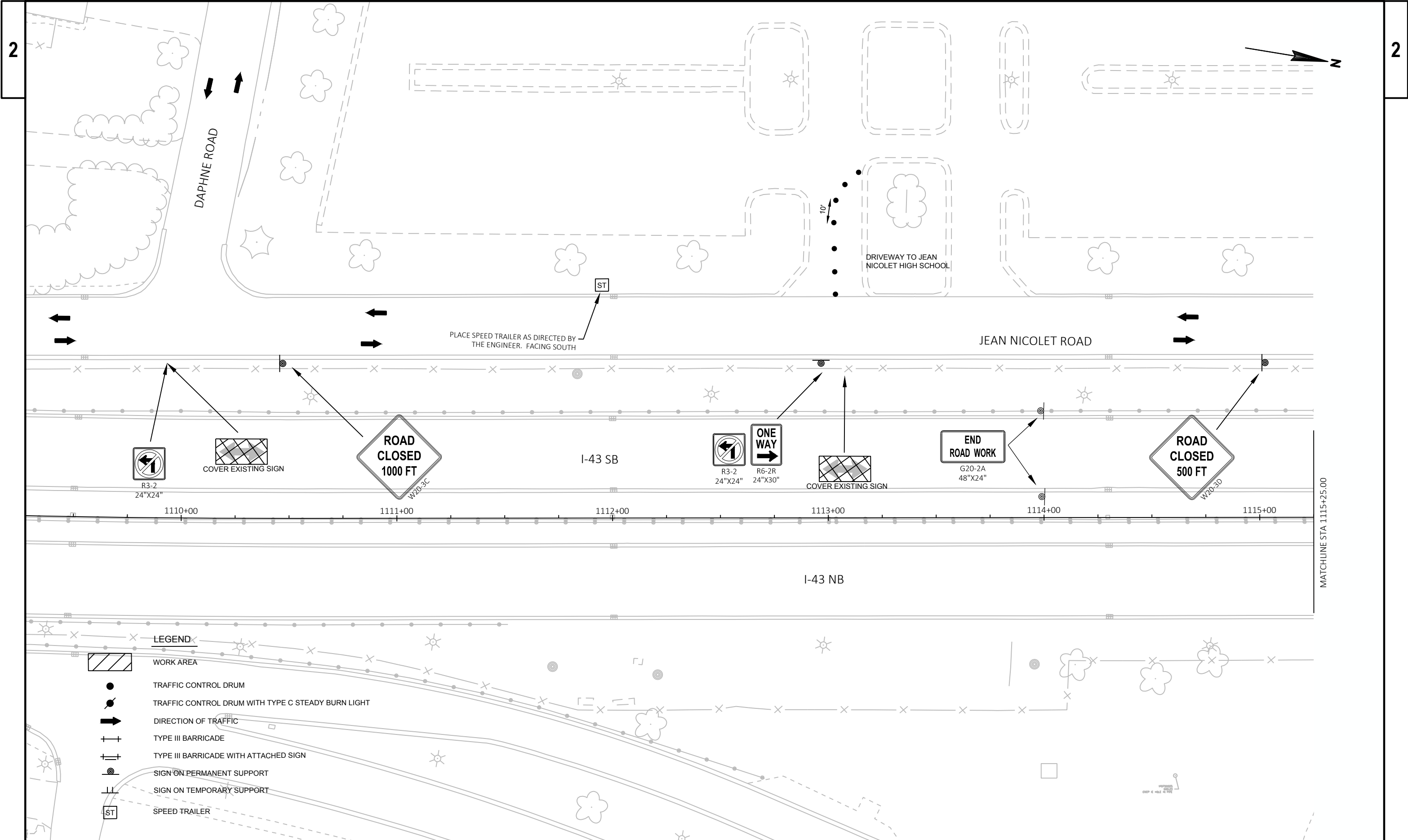
SHEET

E

LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT



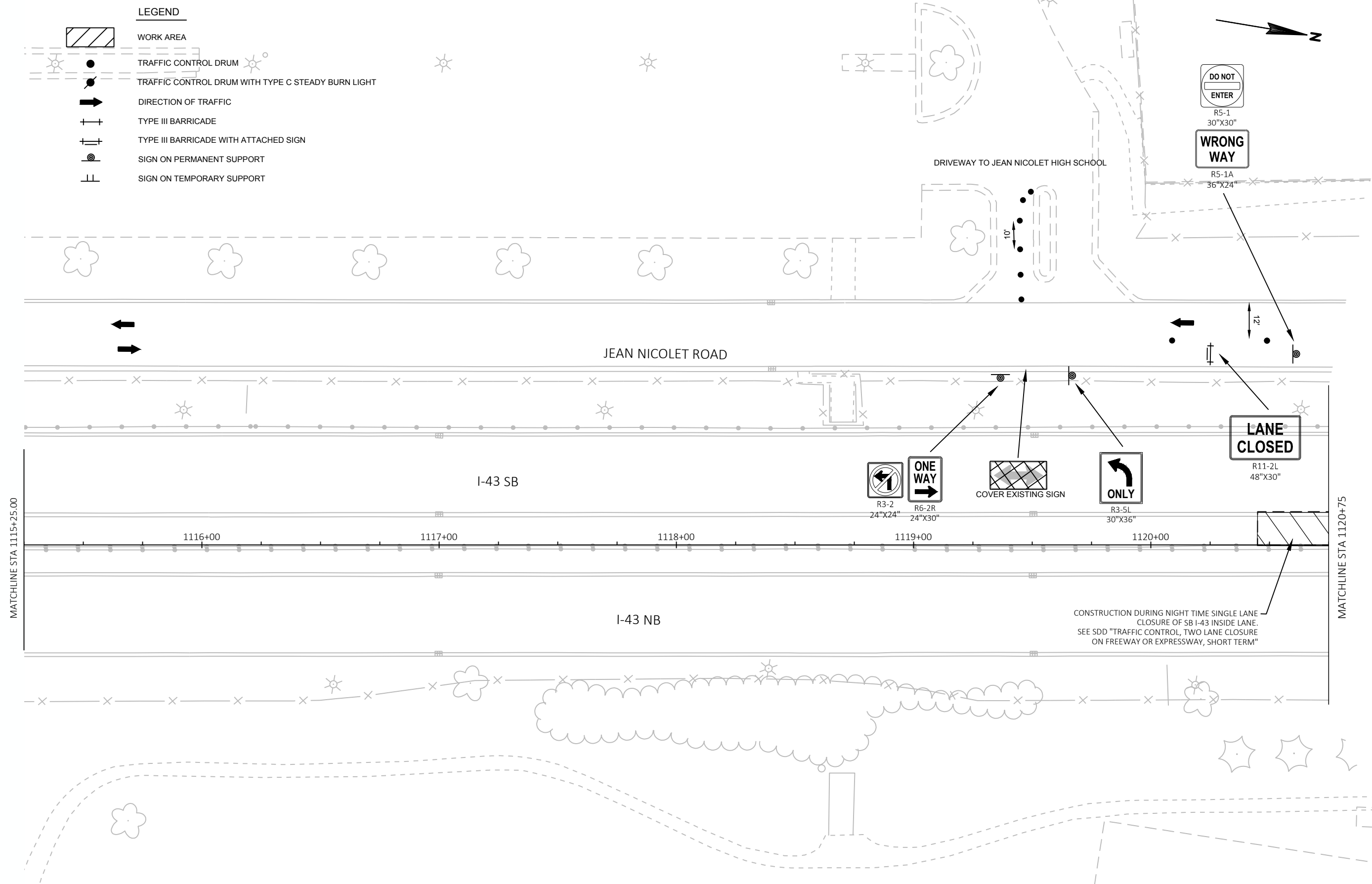


LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- SPEED TRAILER

2

2



PROJECT NO:	1228-16-71
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HWY: IH-43

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 1A

SHEET

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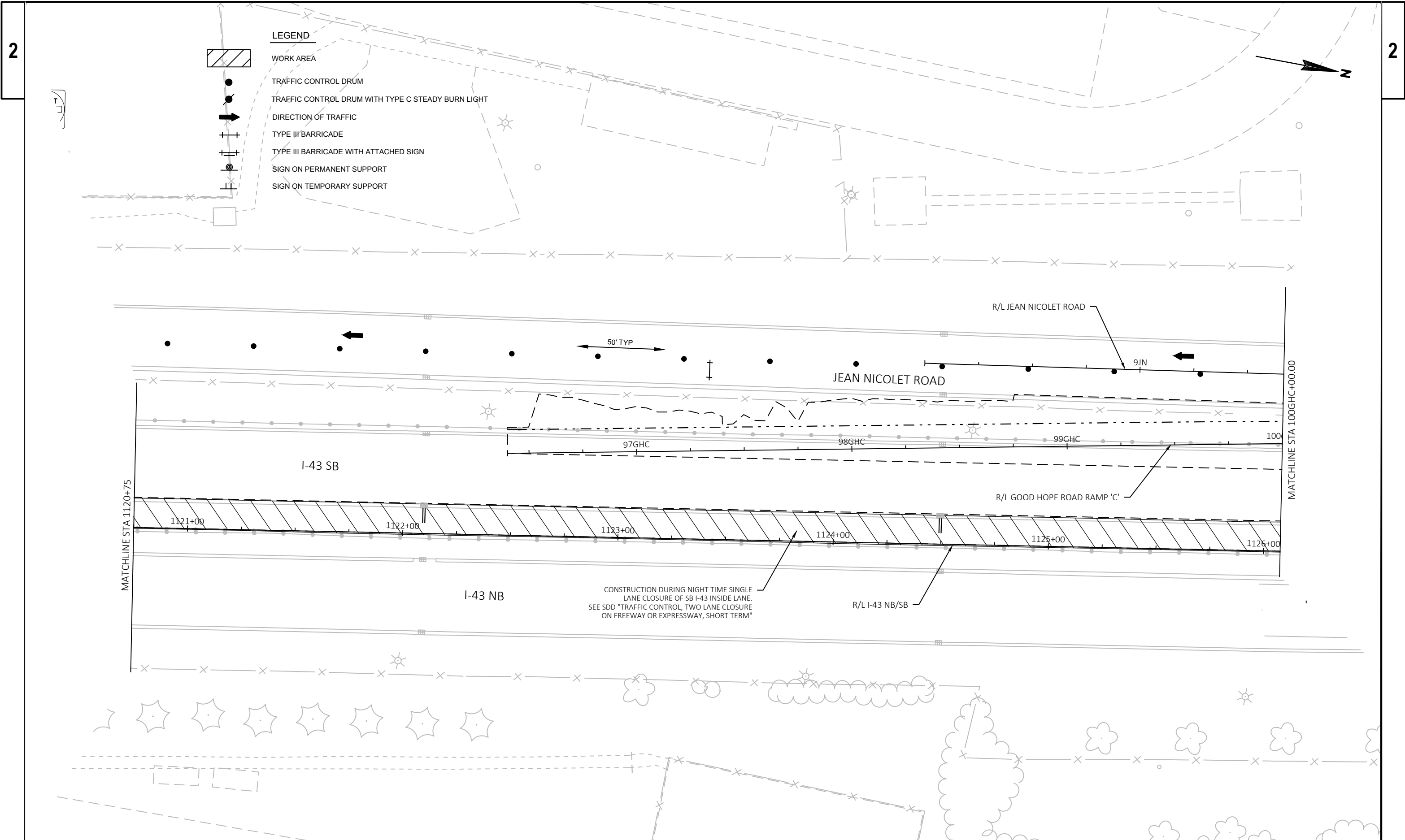
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PLOT BY : ANDREW ROSEMEYER

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

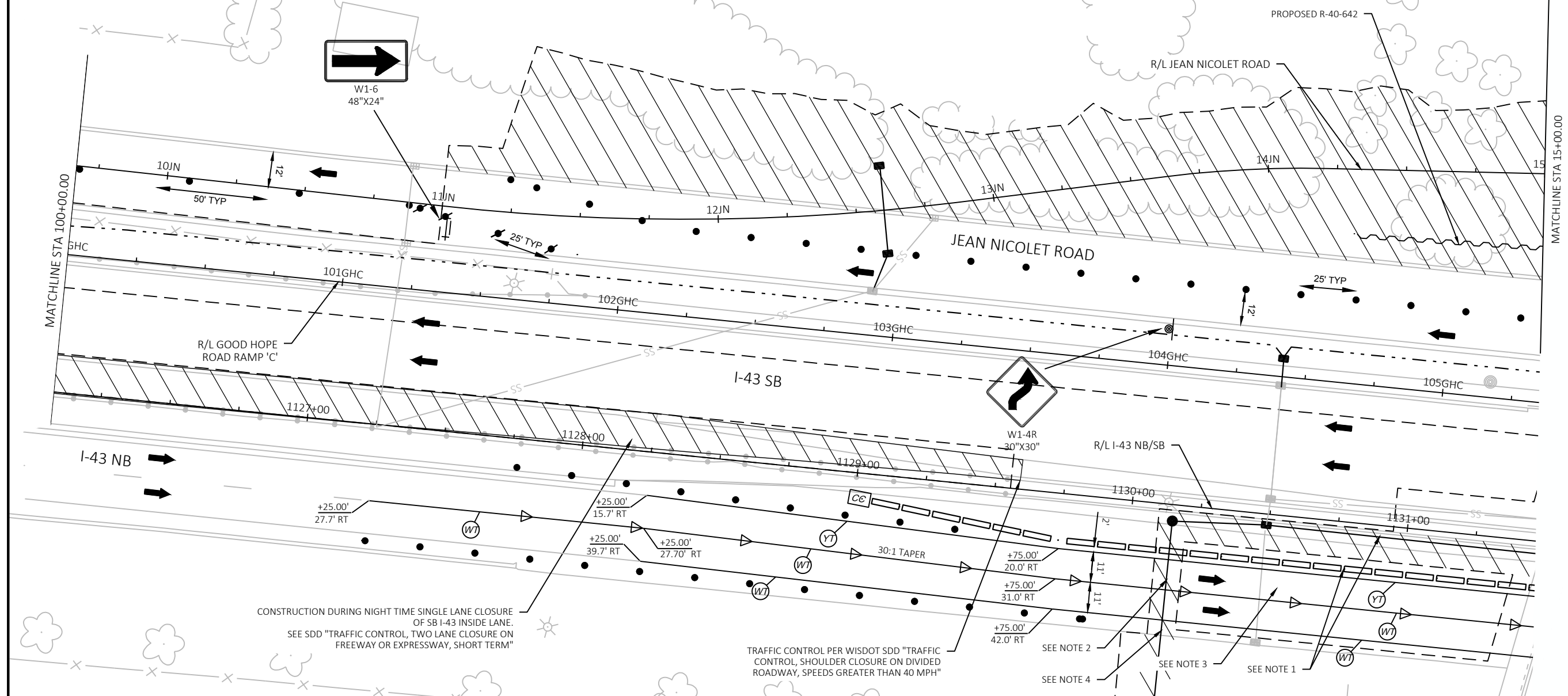


LEGEND

	WORK AREA
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	TYPE III BARRICADE WITH ATTACHED SIGN
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	CRASH CUSHION TEMPORARY
	TEMPORARY RAISED PAVEMENT MARKINGS
	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH
	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE YELLOW, 4-INCH

NOTES

- 1) REMOVE EXISTING MEDIAN CONCRETE BARRIER TO CONSTRUCT STORM SEWER. AT THE END OF STAGE 1A MOVE THE TEMPORARY PRECAST CONCRETE BARRIER TO REPLACE THE REMOVED PERMANENT BARRIER. FASTEN TEMPORARY THRIE BEAM PIECES BETWEEN THE FIXED CONCRETE BARRIER AND THE TEMPORARY PRECAST CONCRETE BARRIER. FINAL CONCRETE BARRIER WILL BE CONSTRUCTED IN STAGE 3
- 2) FULL NIGHTTIME CLOSURE TO NB IH-43 REQUIRED TO CONSTRUCT STORM SEWER.
- 3) NIGHTTIME SINGLE LANE CLOSURE ALLOWED DURING TIMES AS SPECIFIED WITHIN THE SPECIAL PROVISIONS.
- 4) REMOVE AND REPLACE GUARDRAIL PER SECTION OF THE SPECS. IF REPLACEMENT OF THE POSTS AND GUARDRAIL CANNOT OCCUR FOLLOWING NIGHT CLOSURE OF IH-43, UTILIZE TEMPORARY THRIE BEAM.



PROJECT NO: 1228-16-71

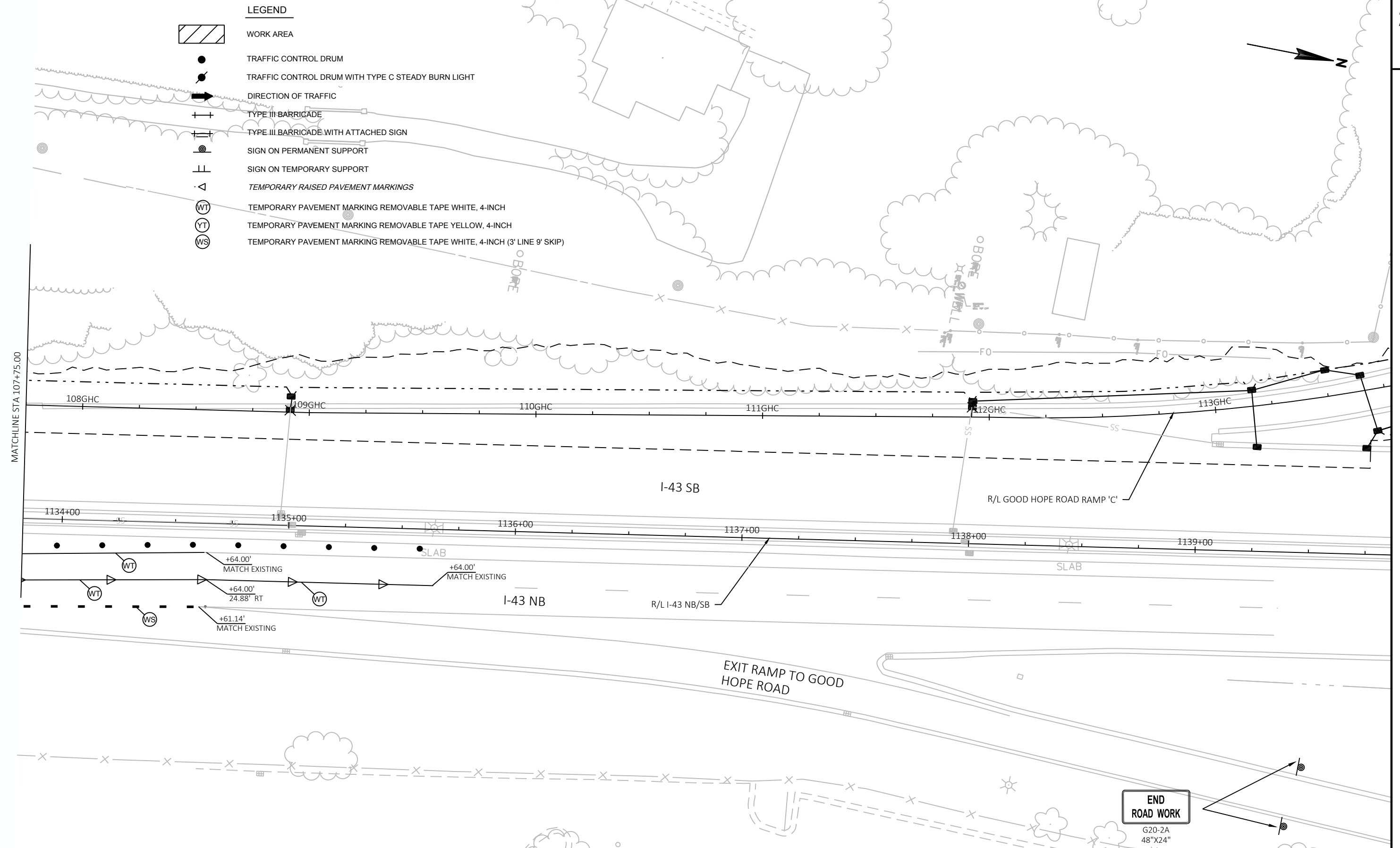
HWY: IH-43

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 1A

SHEET

E



PROJECT NO: 1228-16-71

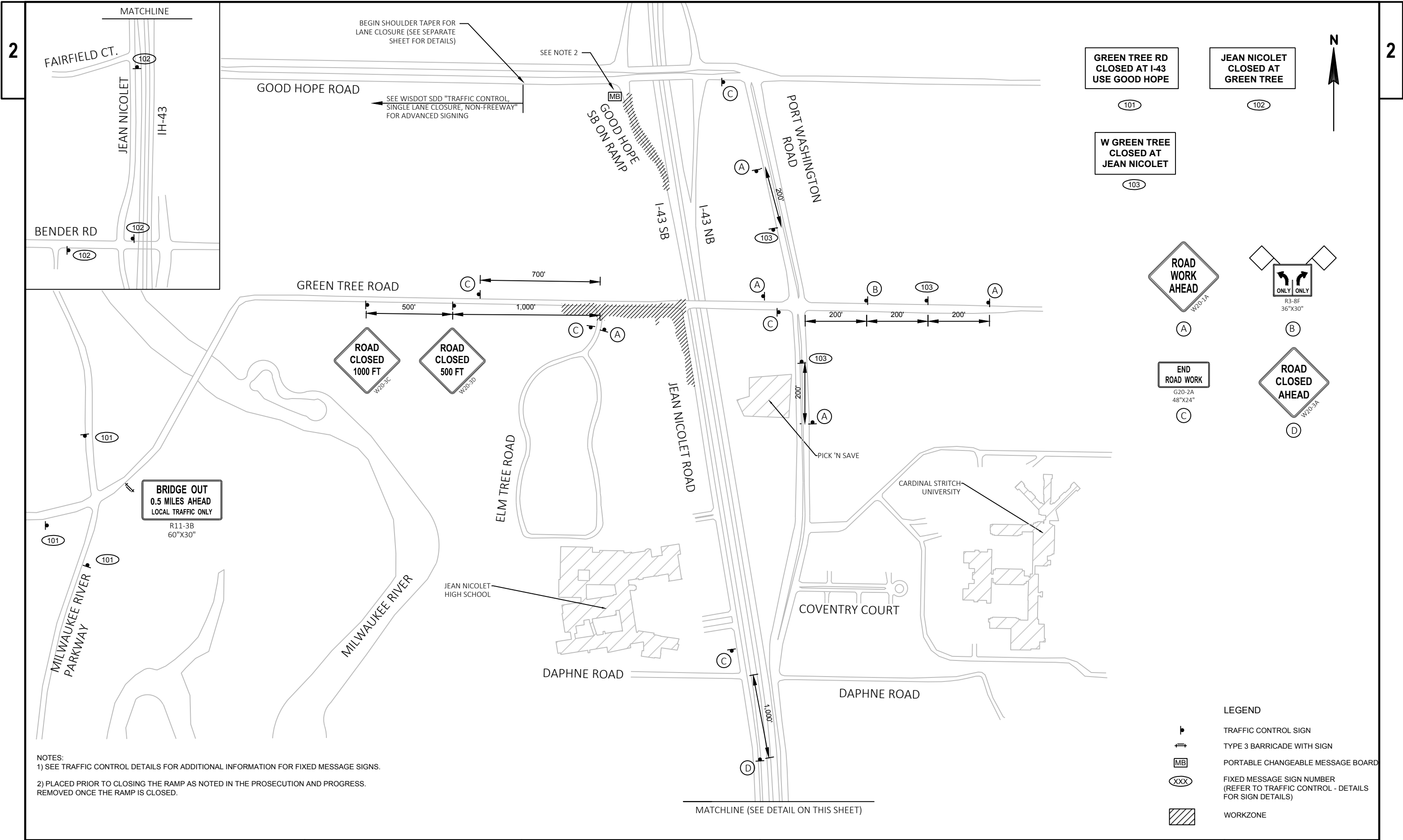
HWY: IH-43

COUNTY: MILWAUKEE

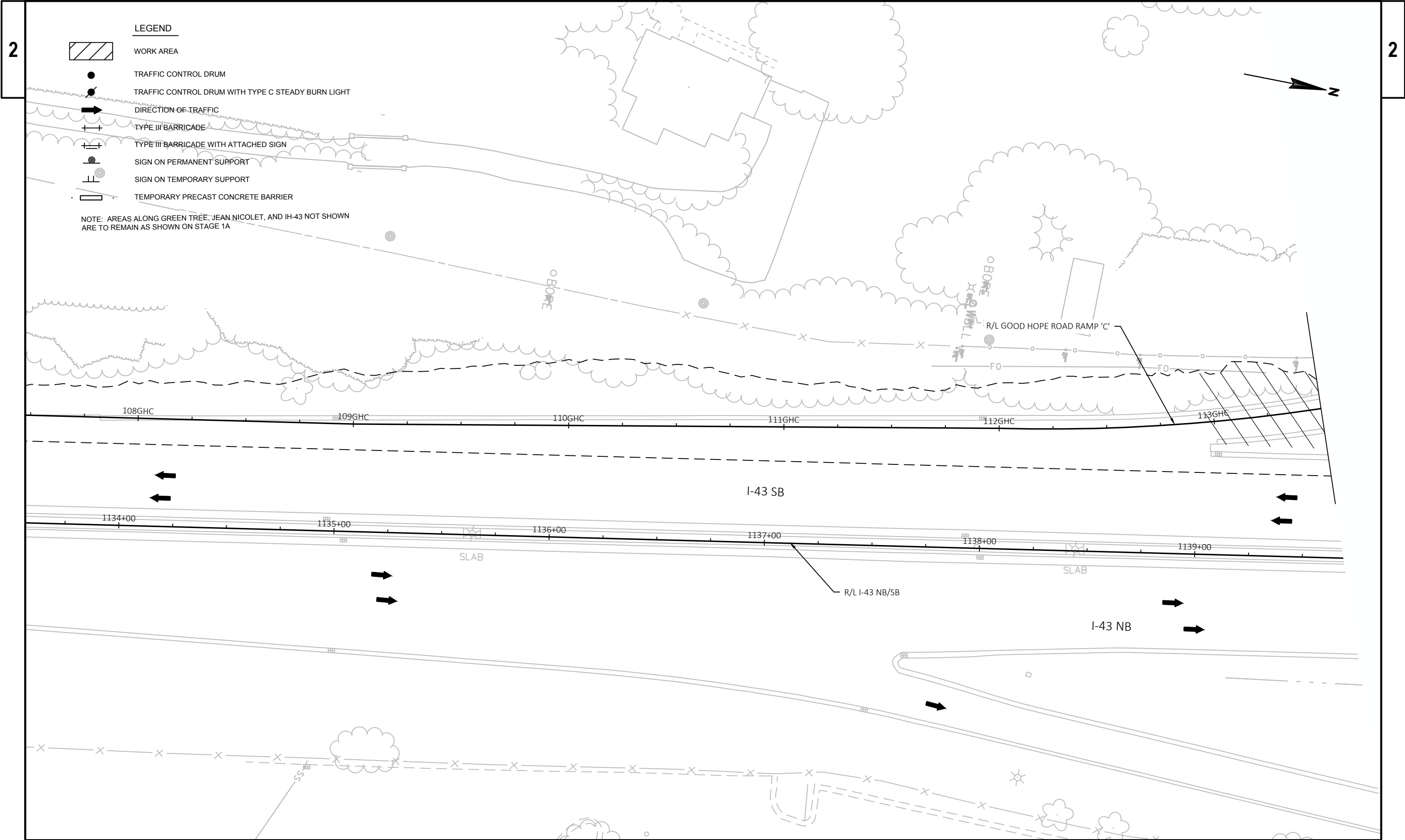
TRAFFIC CONTROL - STAGE 1A

SHEET

E



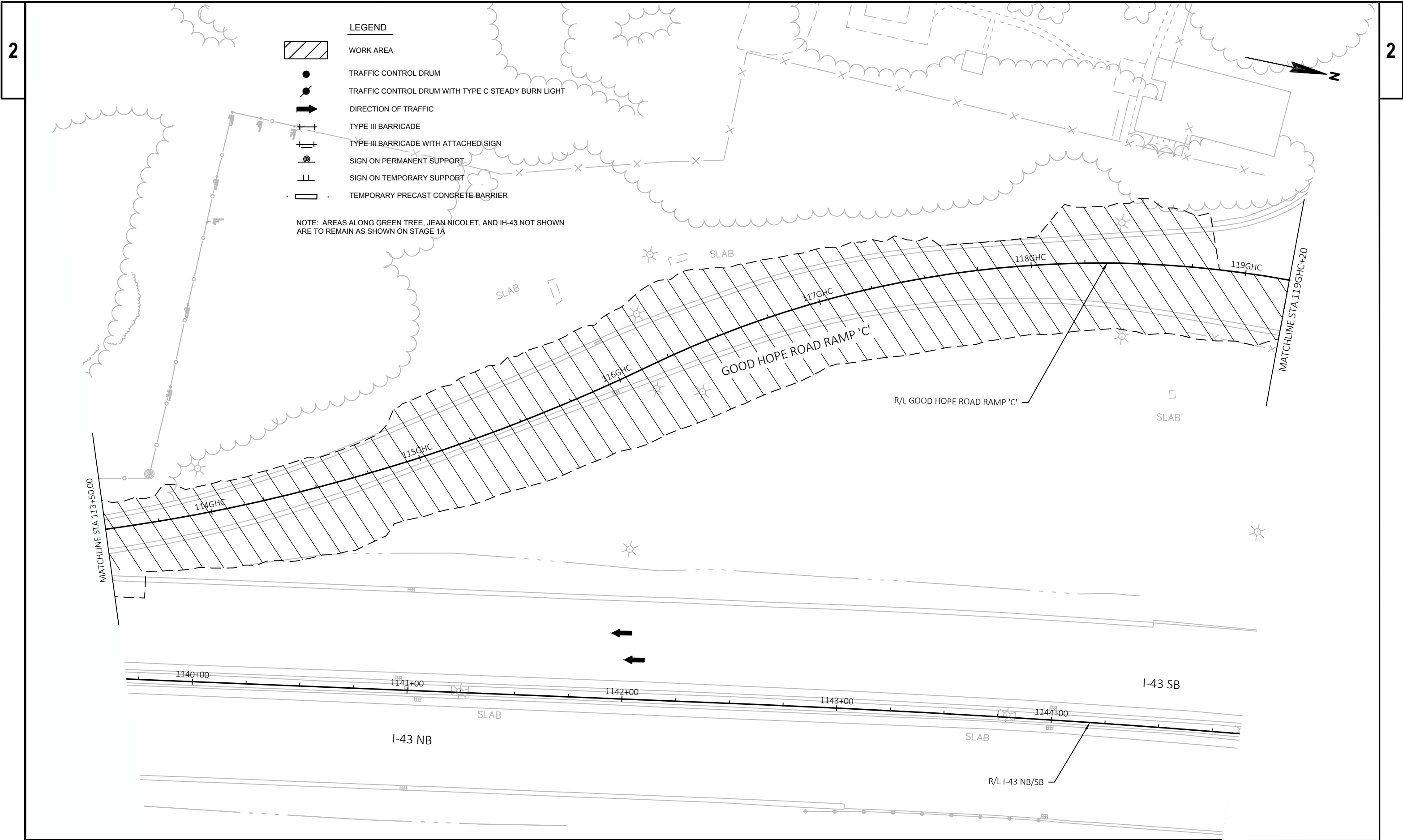
NOTES:
1) SEE TRAFFIC CONTROL DETAILS FOR ADDITIONAL INFORMATION FOR FIXED MESSAGE SIGNS.
2) PLACED PRIOR TO CLOSING THE RAMP AS NOTED IN THE PROSECUTION AND PROGRESS.
REMOVED ONCE THE RAMP IS CLOSED.



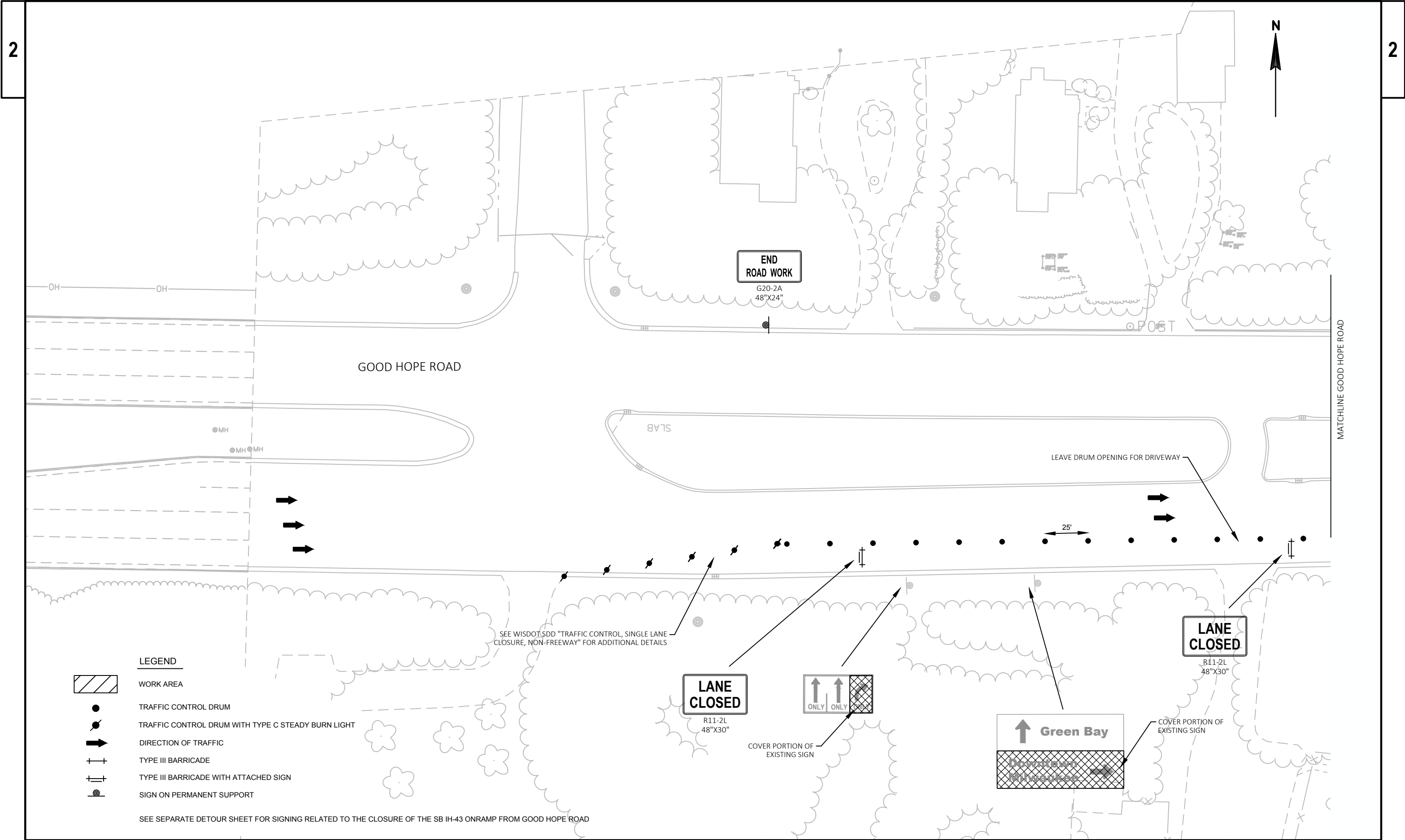
LEGEND

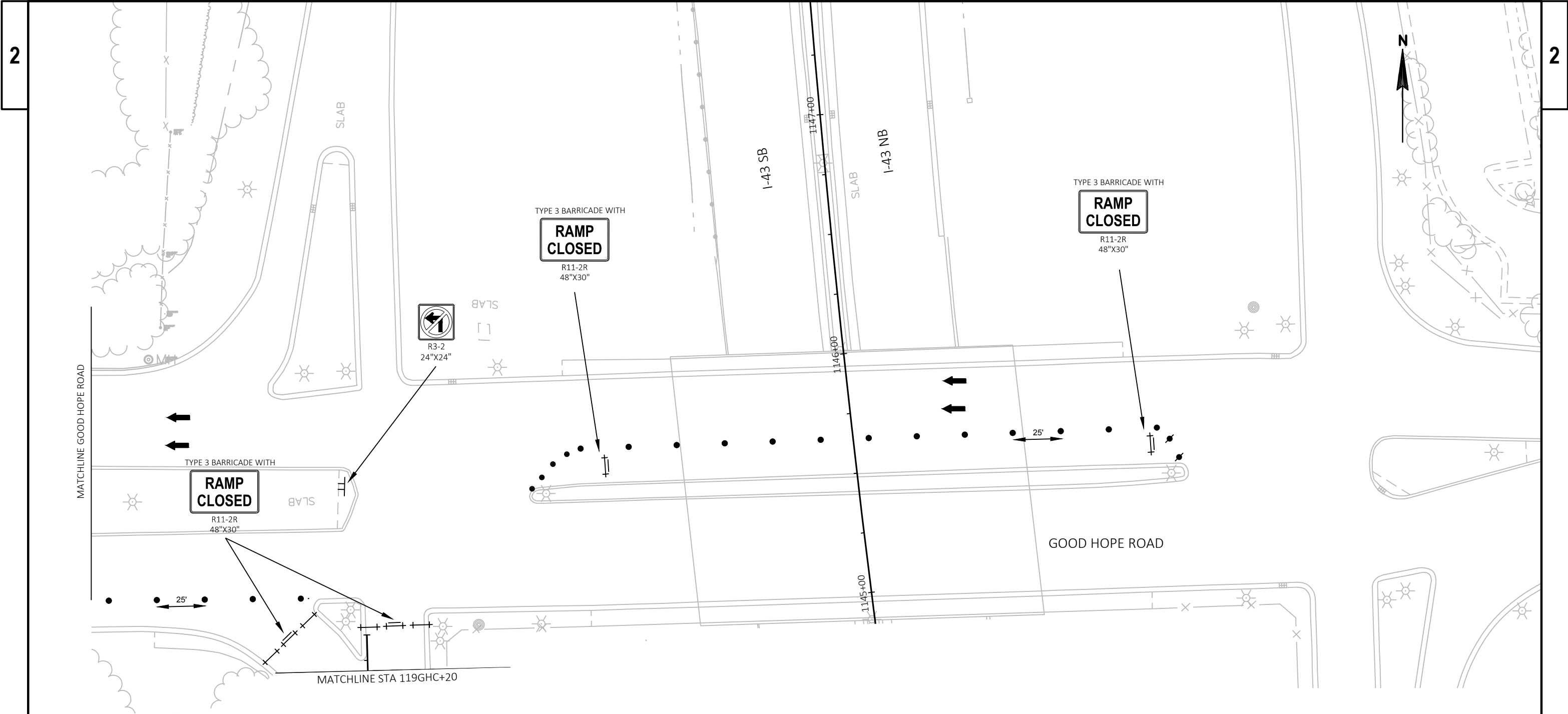
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER

NOTE: AREAS ALONG GREEN TREE, JEAN NICOLET, AND IH-43 NOT SHOWN ARE TO REMAIN AS SHOWN ON STAGE 1A



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E
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LEGEND

WORK AREA

TRAFFIC CONTROL DRUM

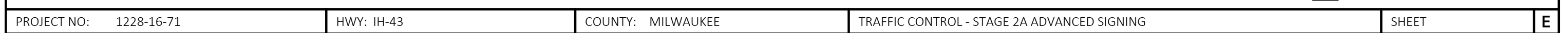
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

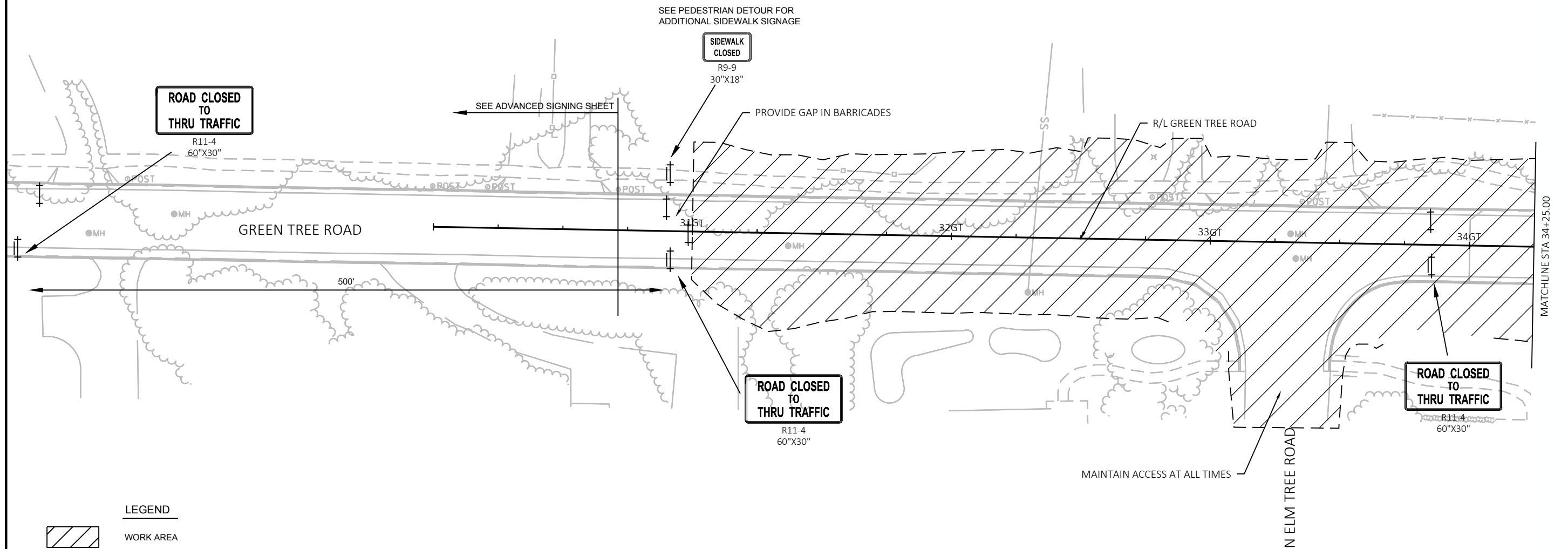
DIRECTION OF TRAFFIC

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

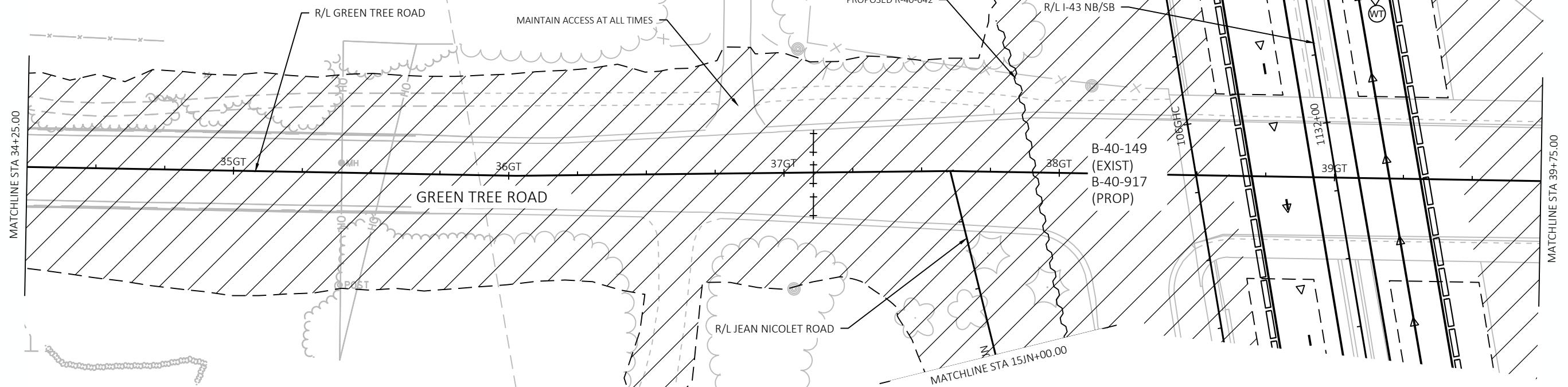


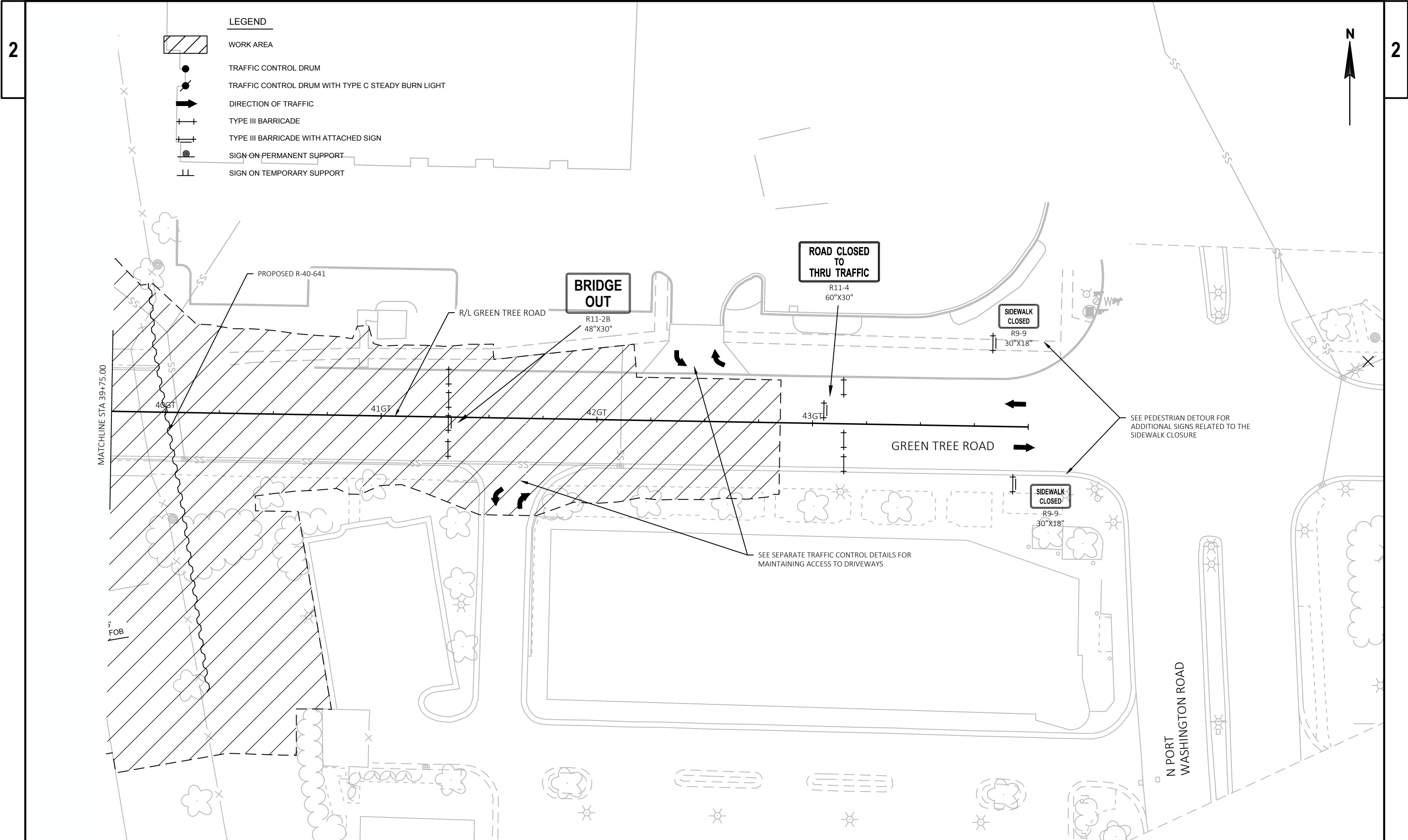


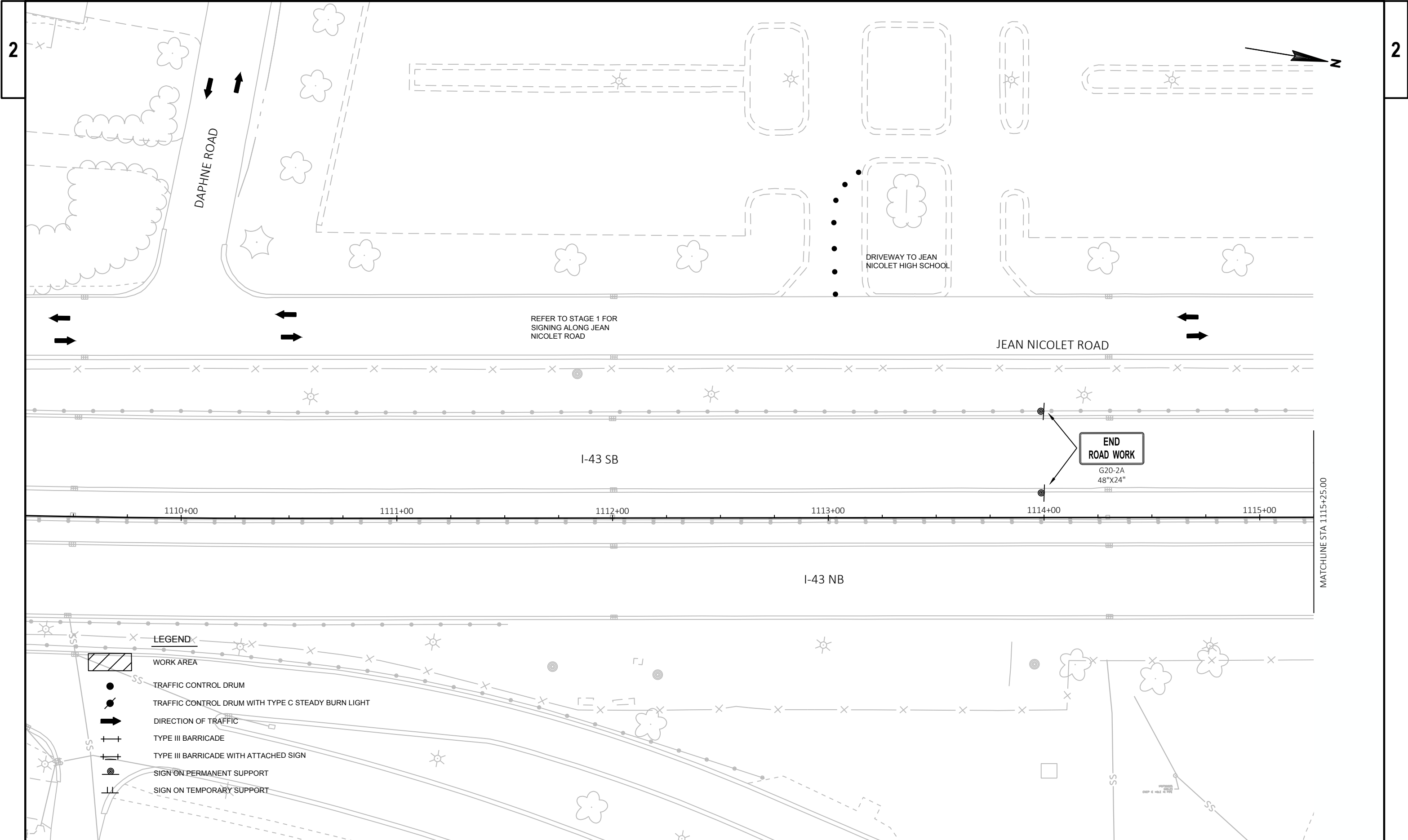
LEGEND

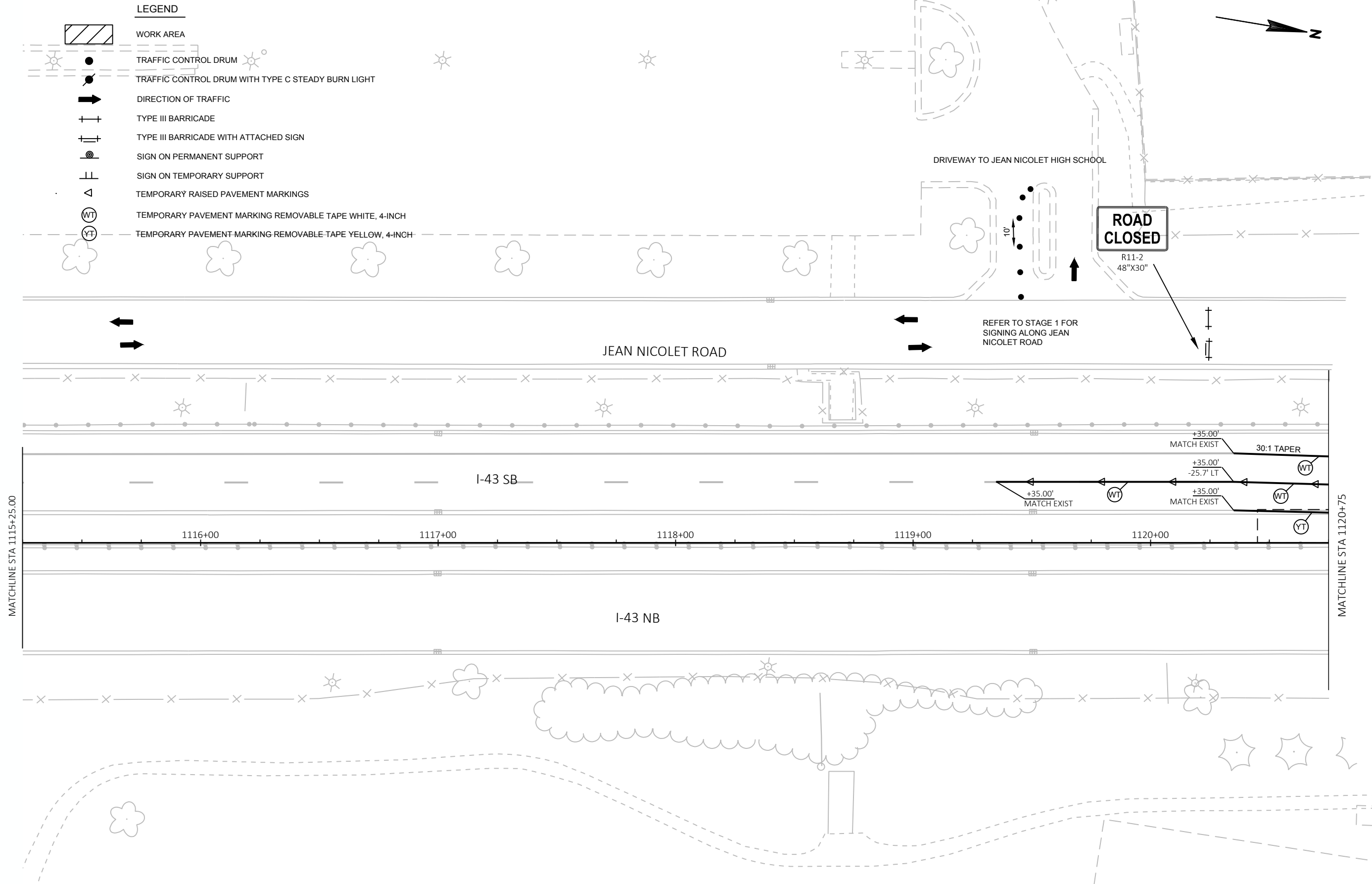
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

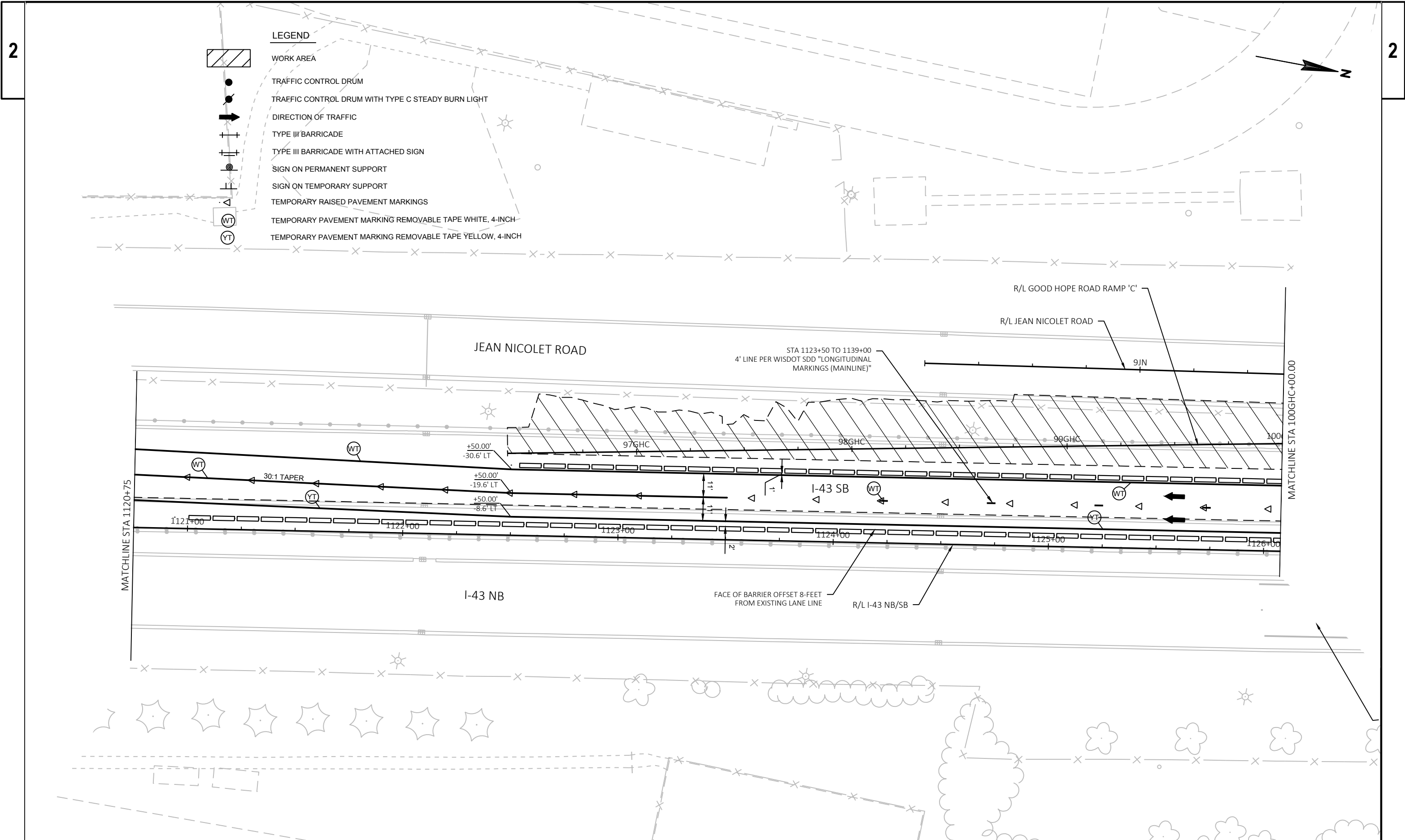
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY RAISED PAVEMENT MARKINGS
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE YELLOW, 4-INCH

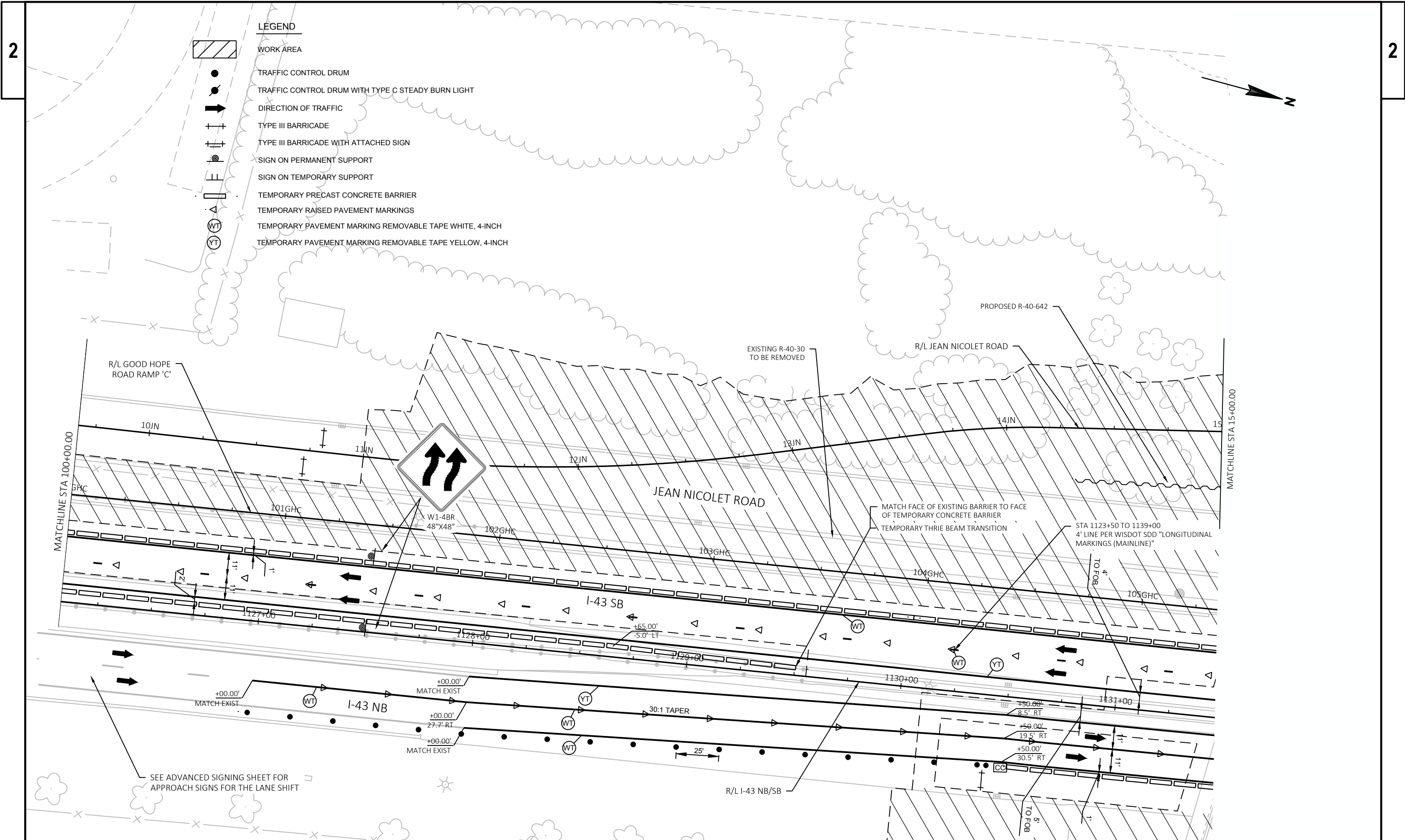


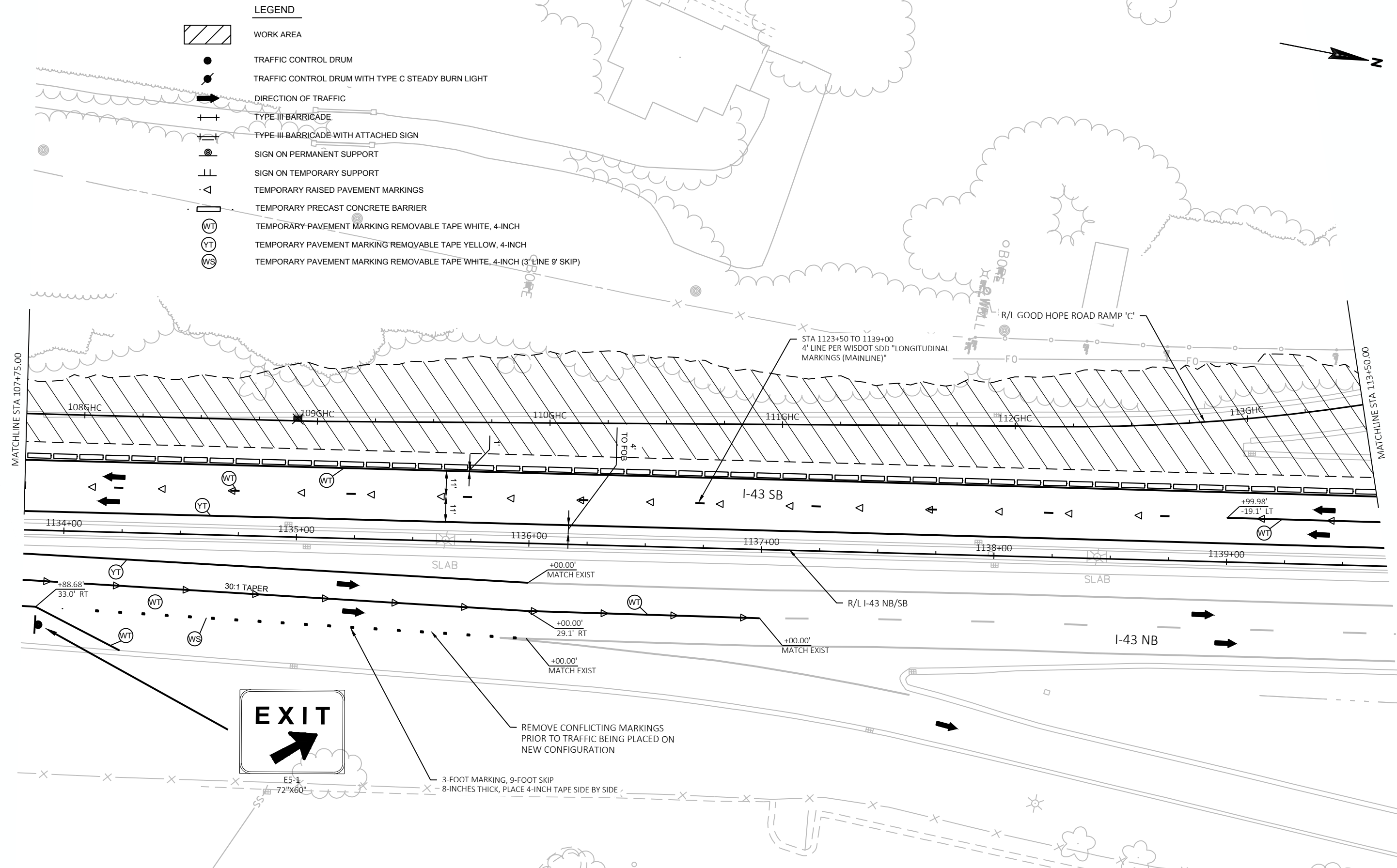












PROJECT NO: 1228-16-71

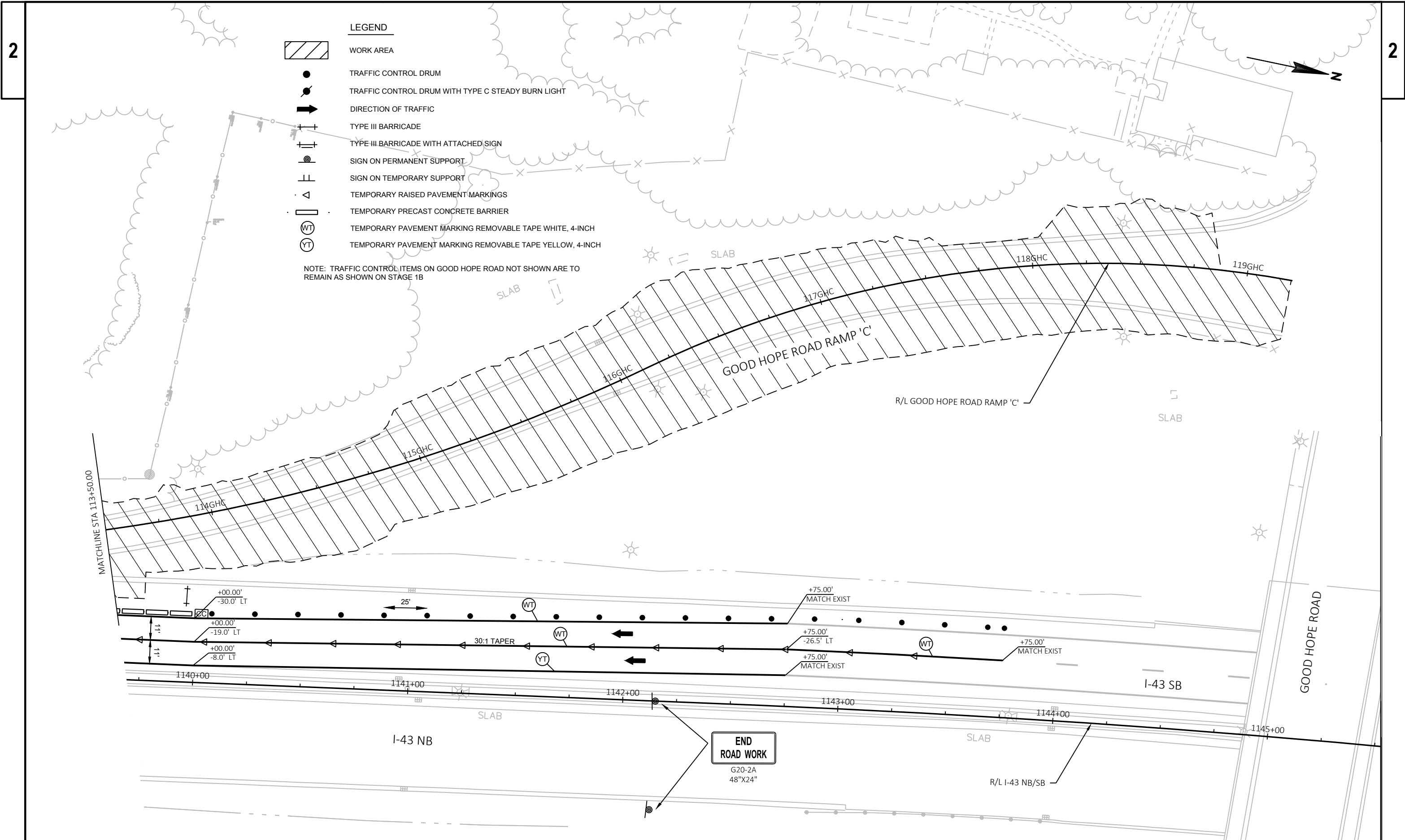
HWY: IH-43

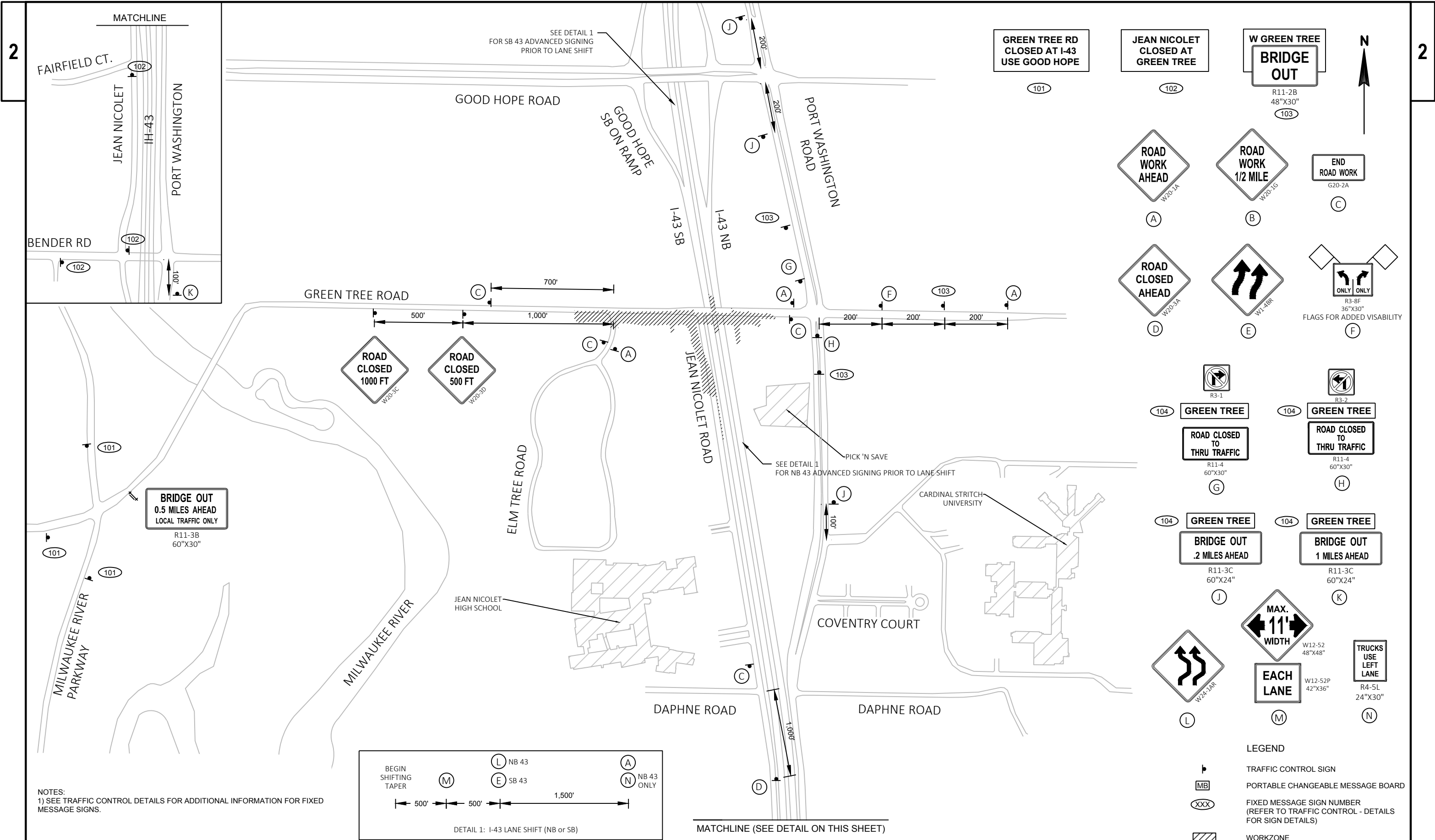
COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2A

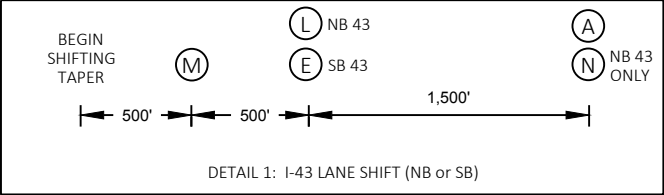
SHEET

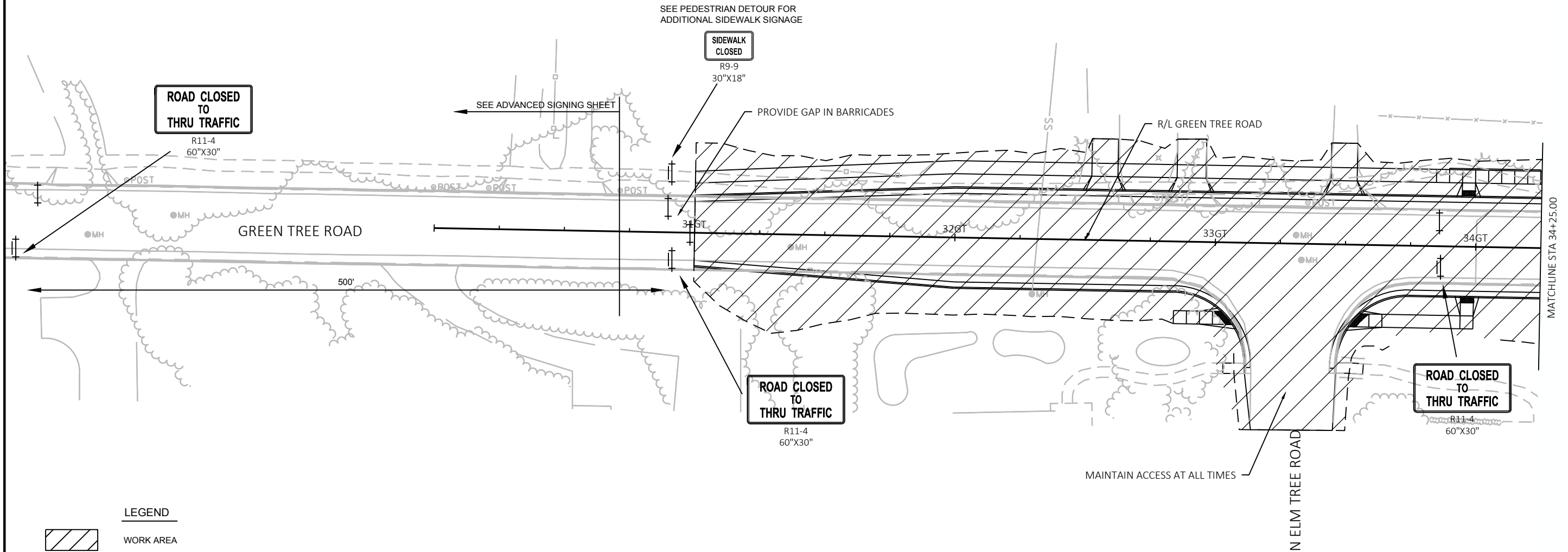
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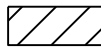


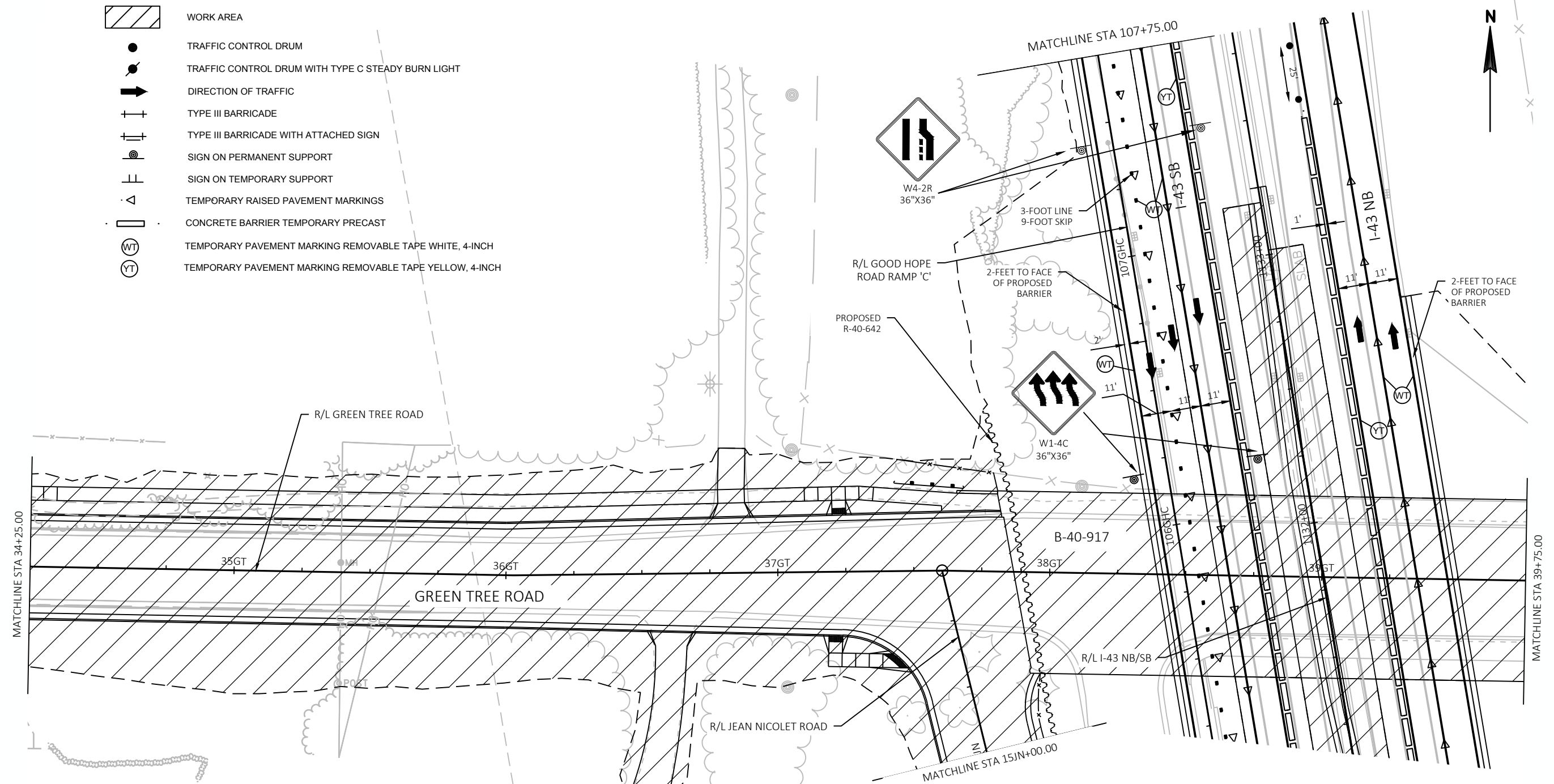
NOTES:
1) SEE TRAFFIC CONTROL DETAILS FOR ADDITIONAL INFORMATION FOR FIXED MESSAGE SIGNS.

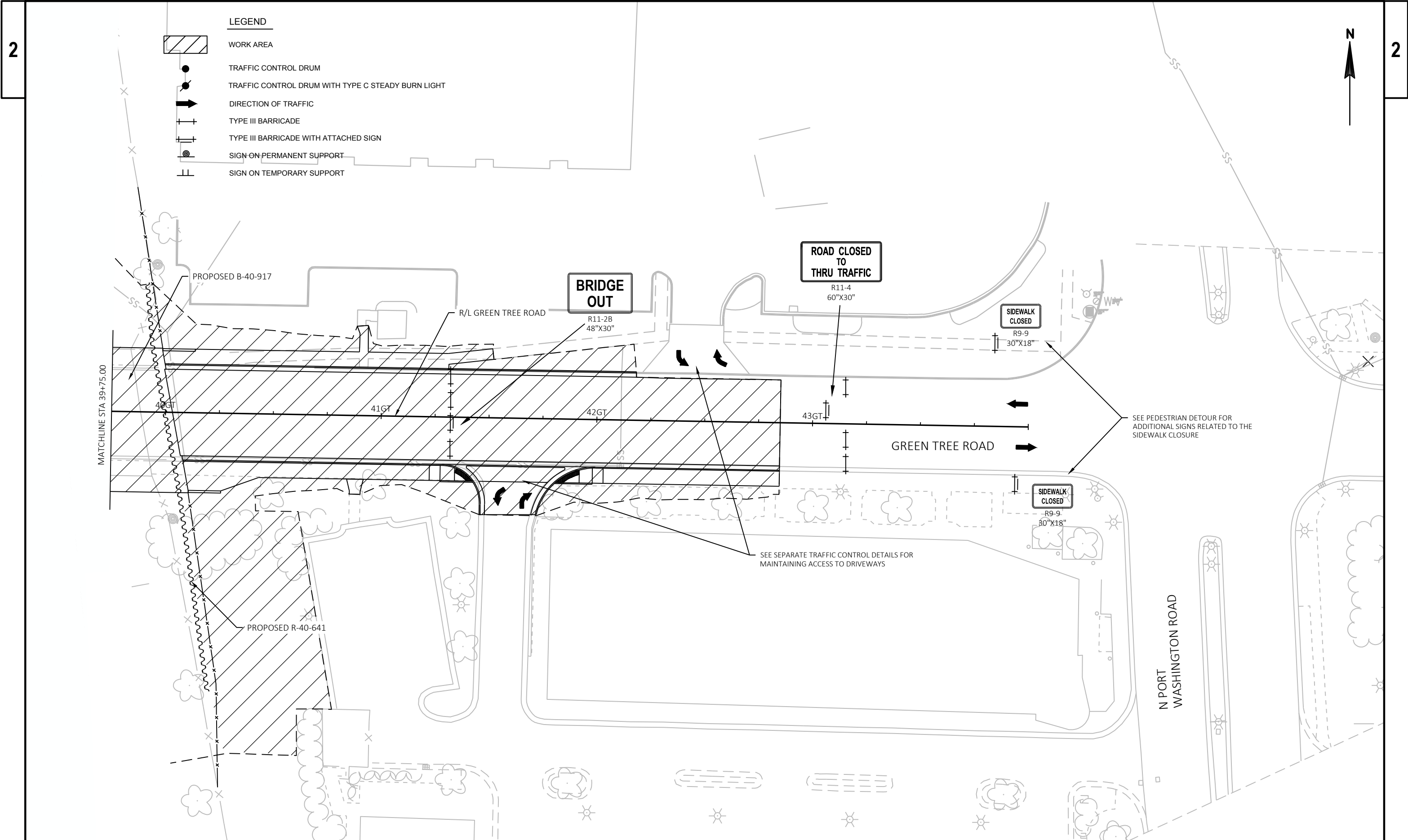


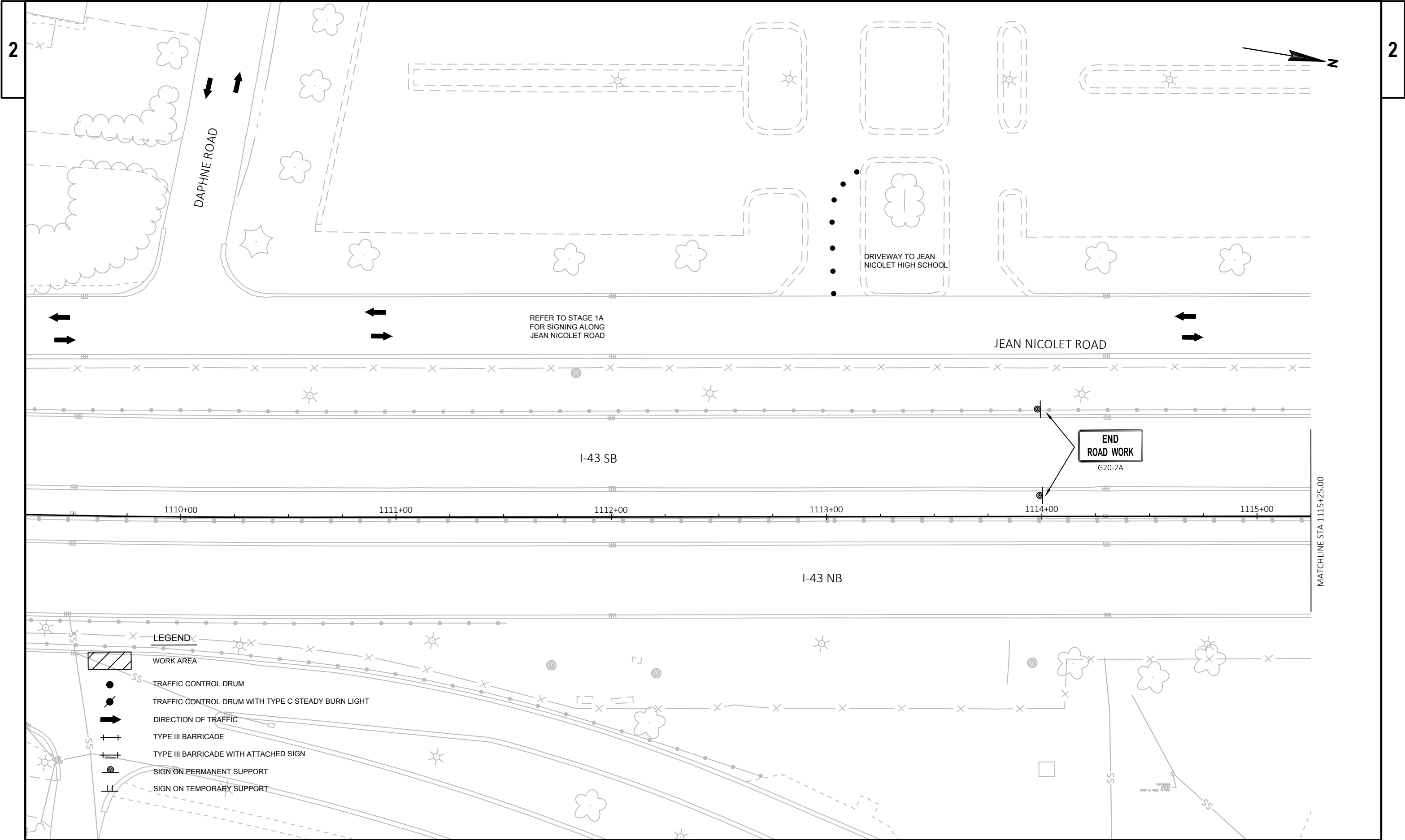


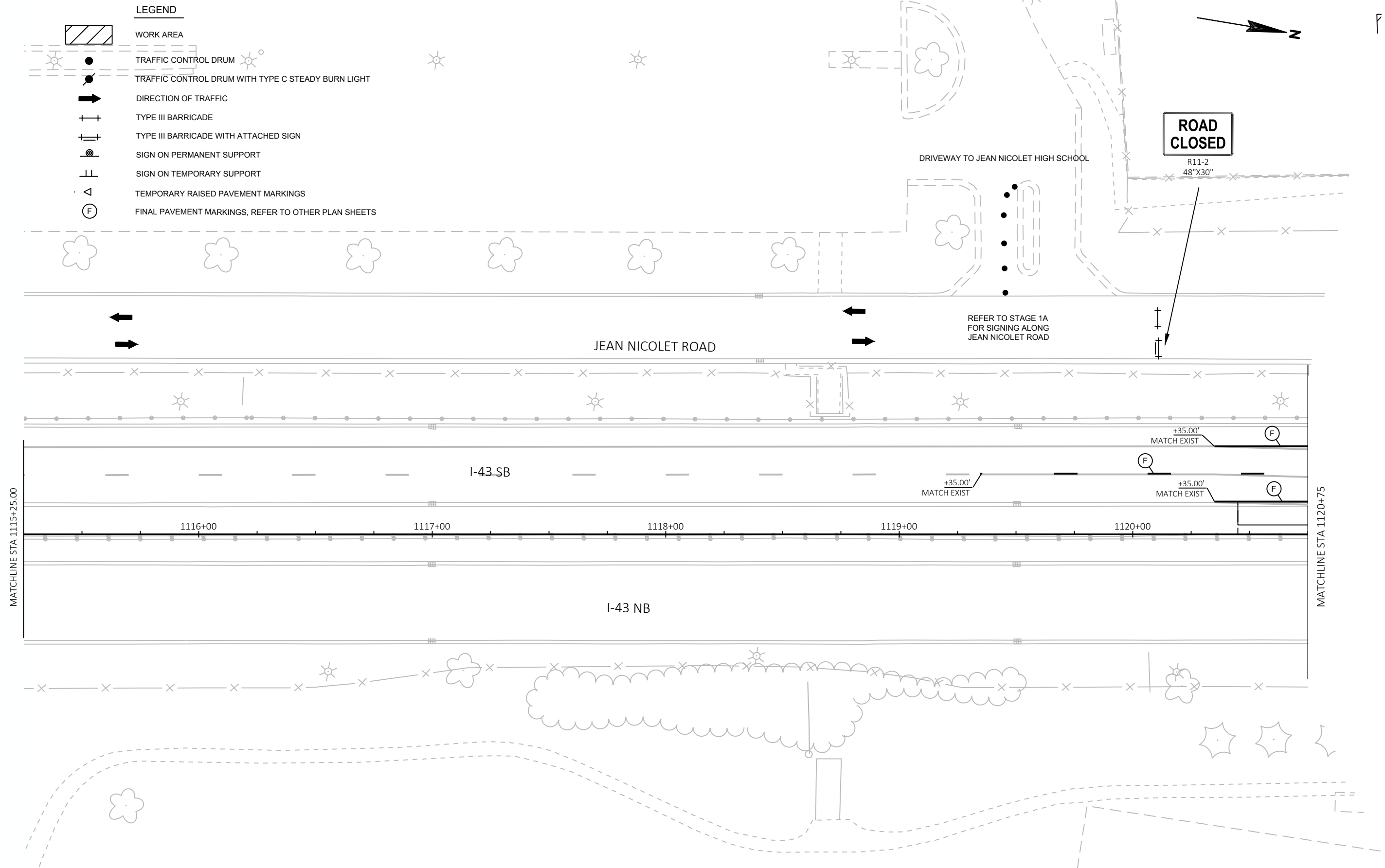
LEGEND

-  WORK AREA
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT









PROJECT NO: 1228-16-71

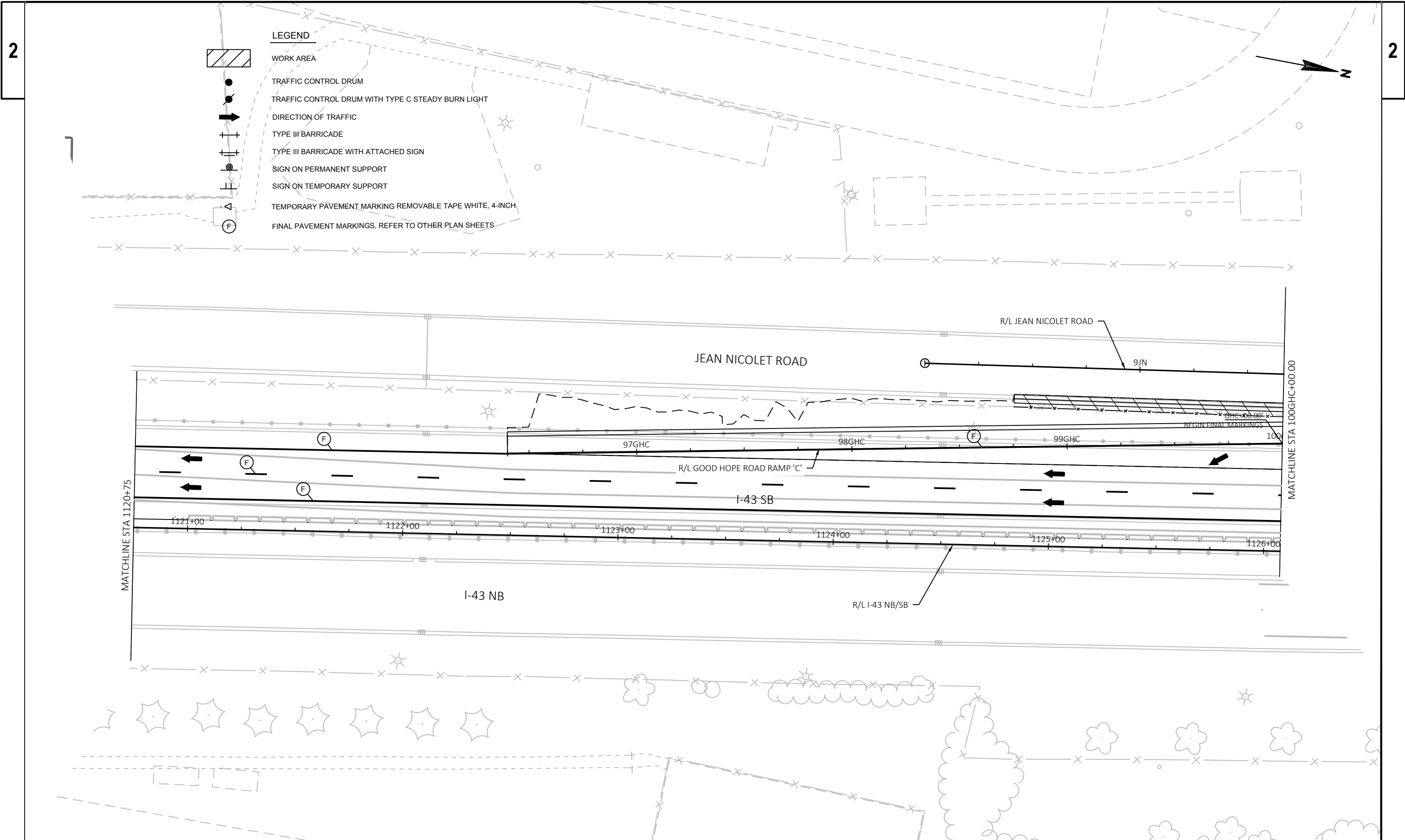
HWY: IH-43

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2B

SHEET

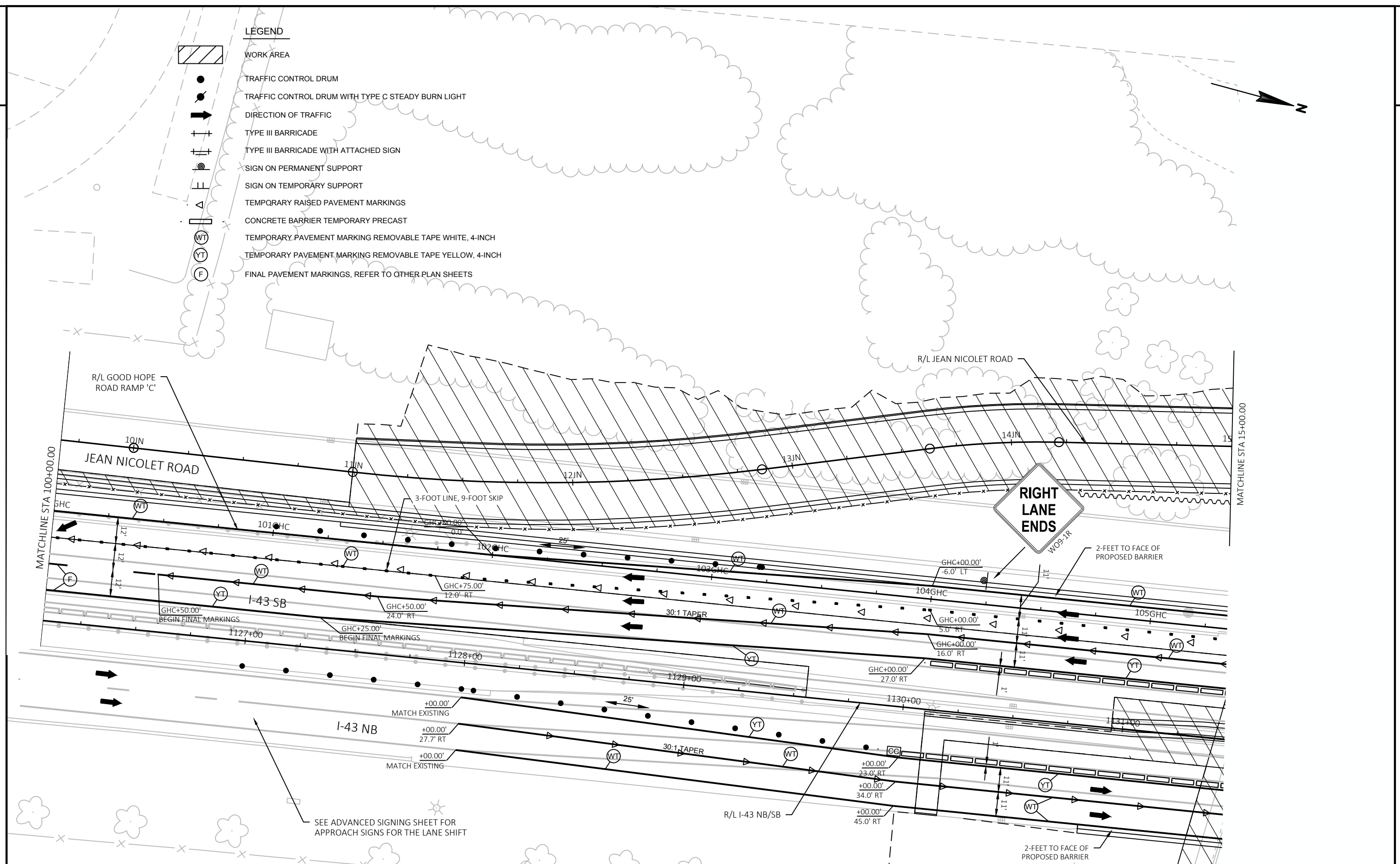
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PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E
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LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY RAISED PAVEMENT MARKINGS
- CONCRETE BARRIER TEMPORARY PRECAST
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE WHITE, 4-INCH
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE YELLOW, 4-INCH
- FINAL PAVEMENT MARKINGS, REFER TO OTHER PLAN SHEETS



PROJECT NO: 1228-16-71

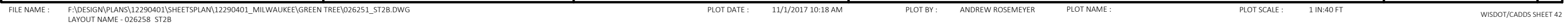
HWY: IH-43

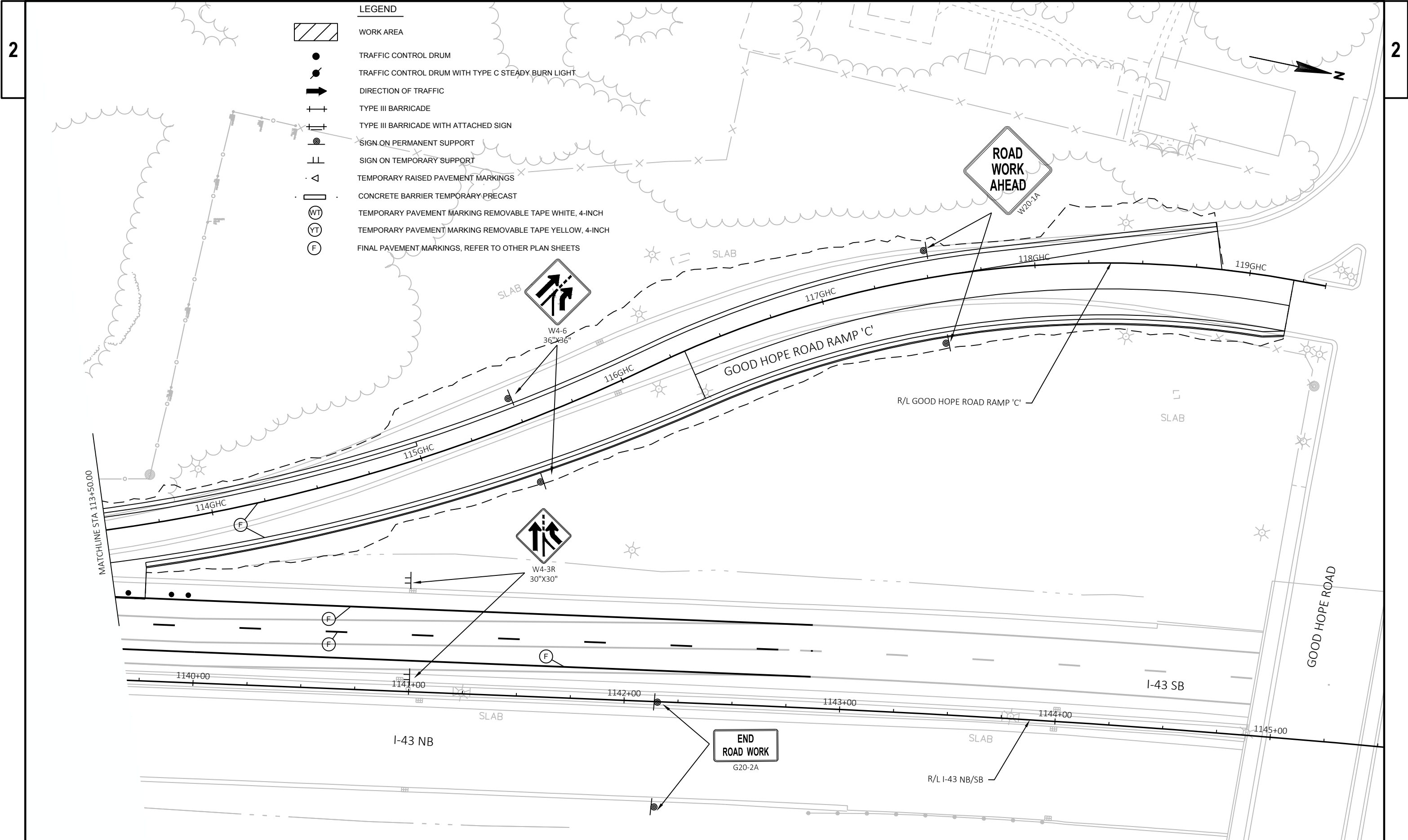
COUNTY: MILWAUKEE

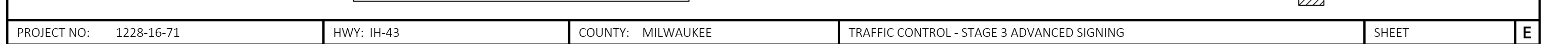
TRAFFIC CONTROL - STAGE 2B

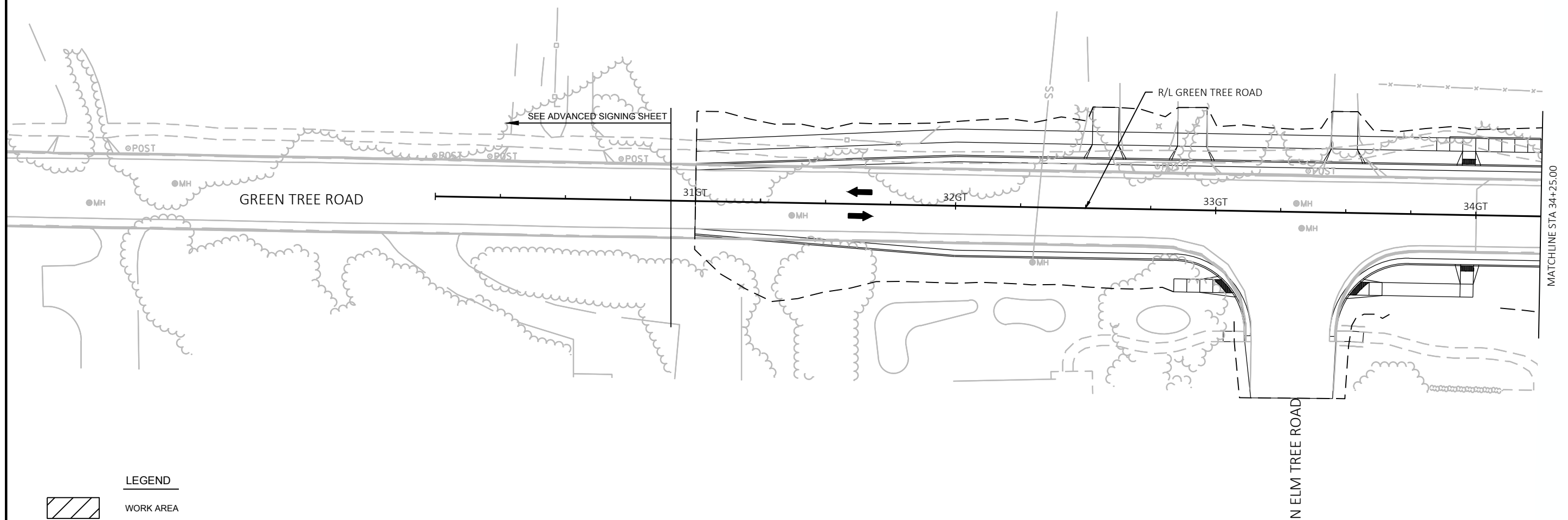
SHEET

E

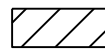








LEGEND

-  WORK AREA
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT

PROJECT NO: 1228-16-71

HWY: IH-43

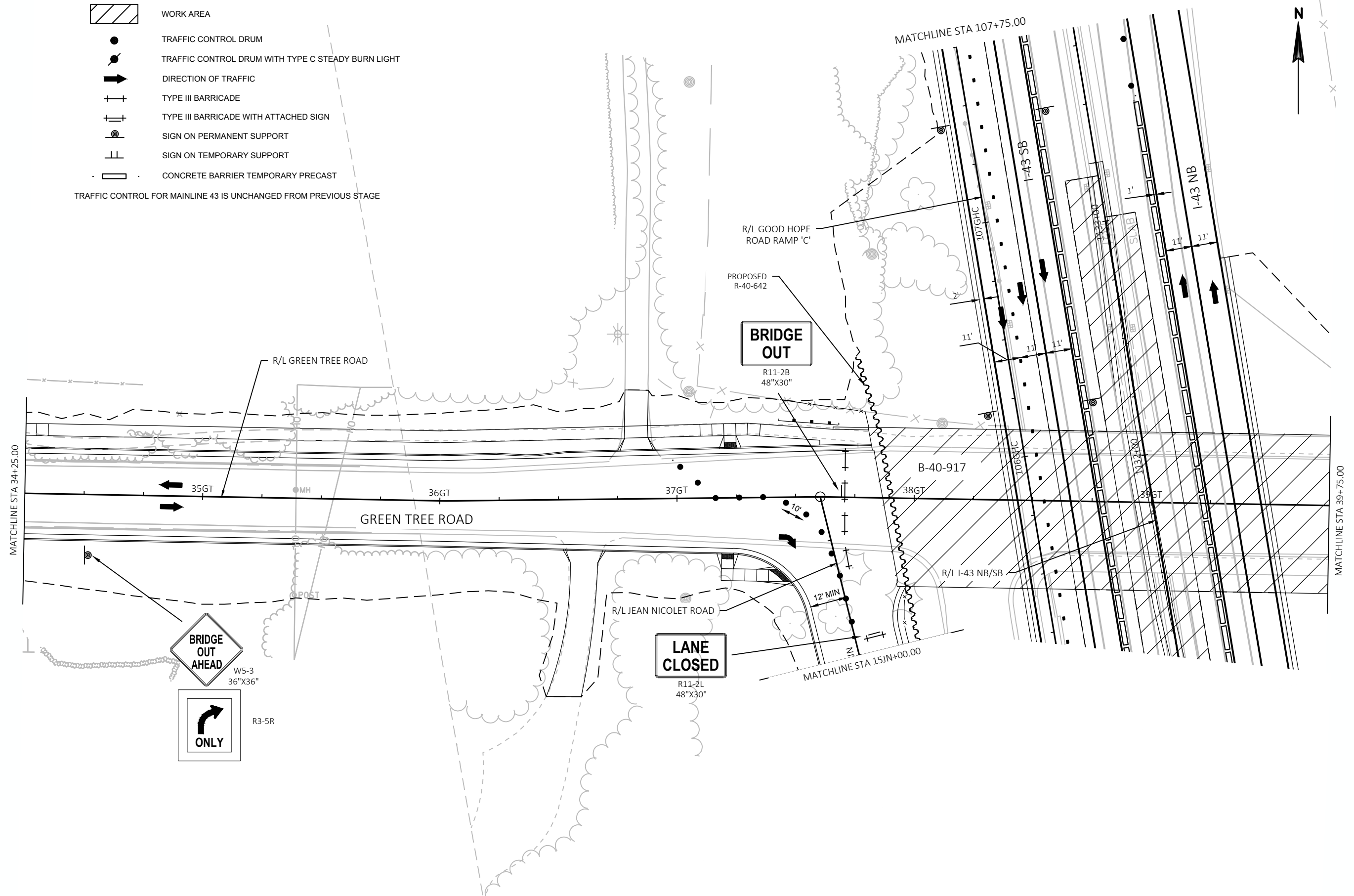
COUNTY: MILWAUKEE

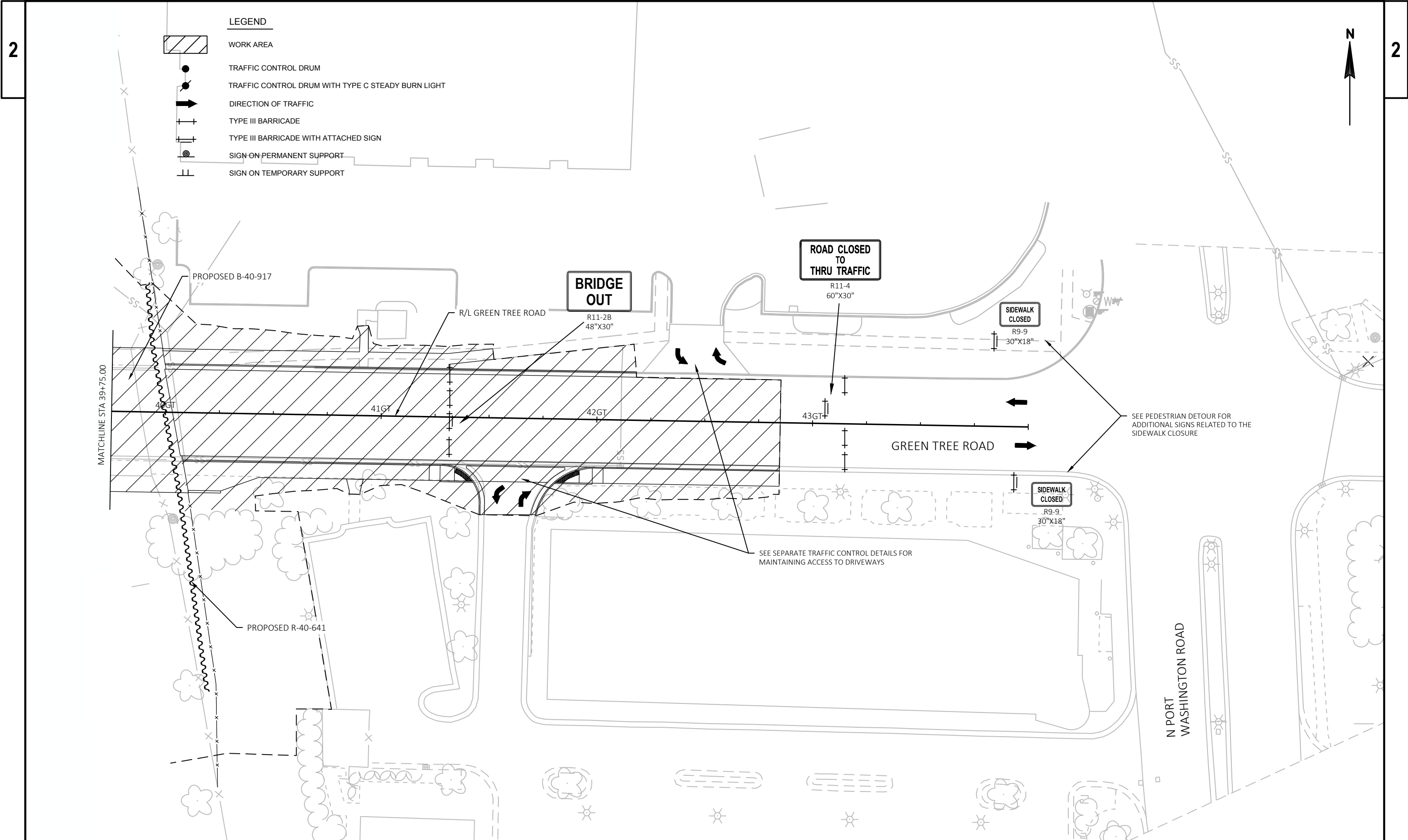
TRAFFIC CONTROL - STAGE 3

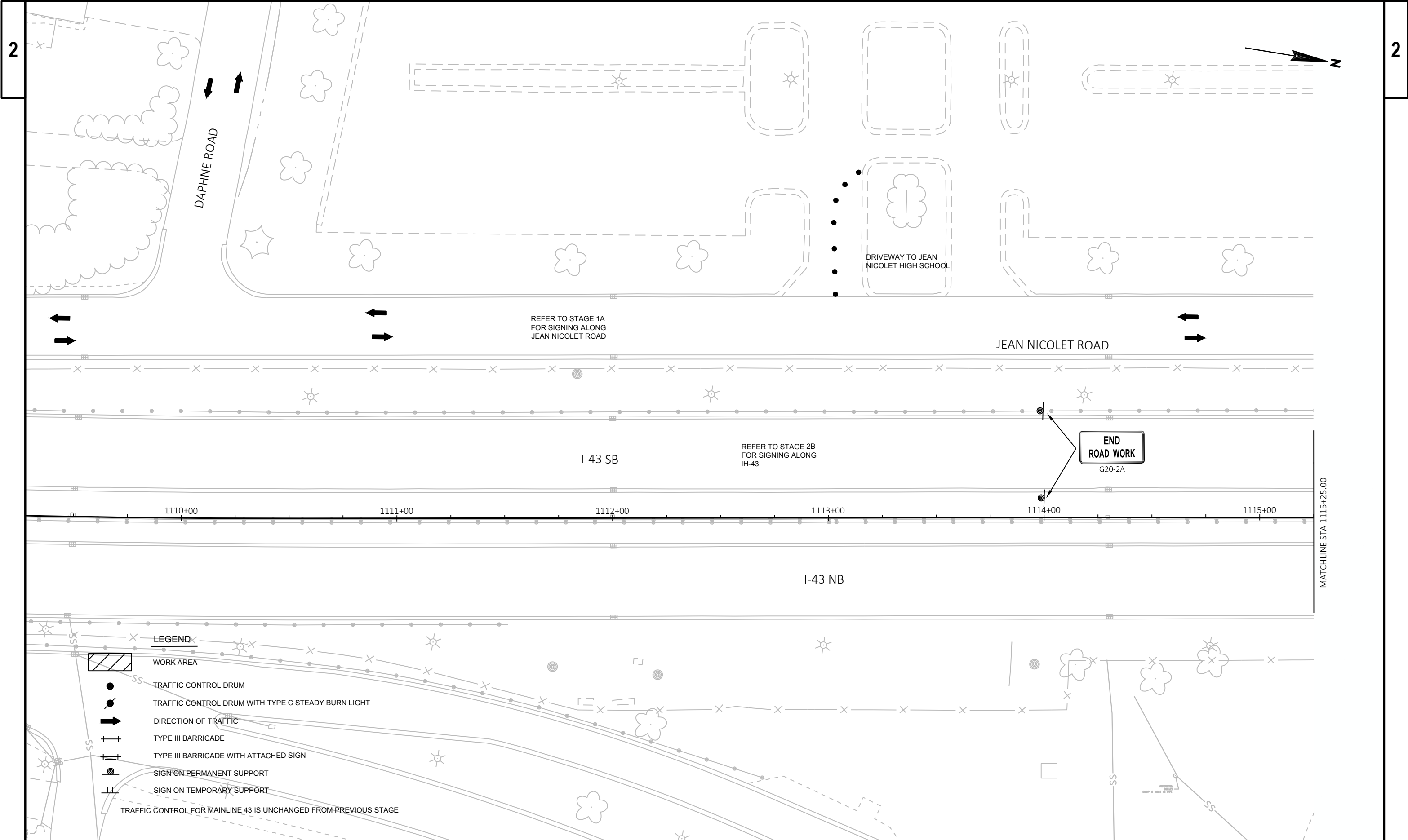
SHEET

E

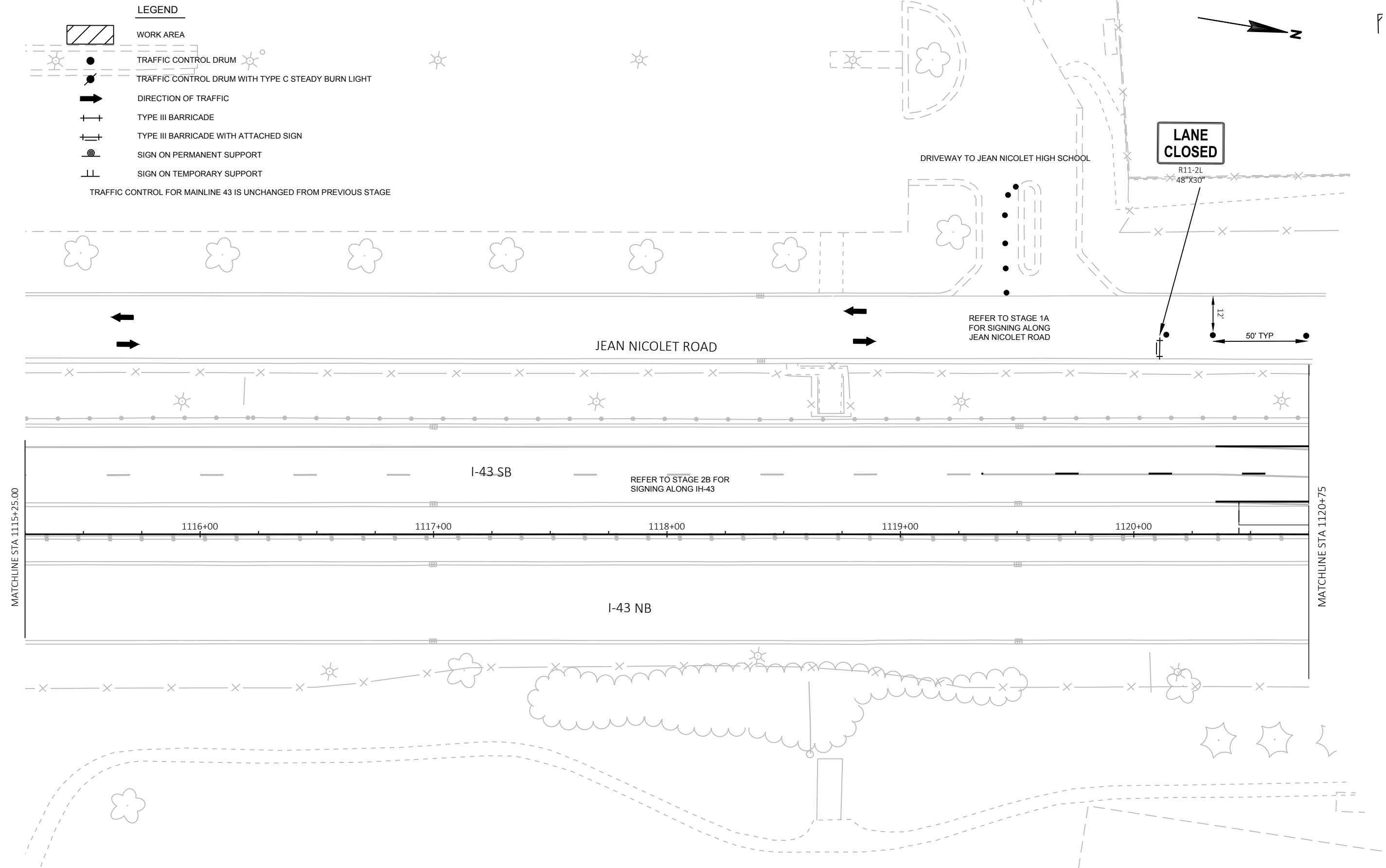
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL FOR MAINLINE 43 IS UNCHANGED FROM PREVIOUS STAGE







PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E
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PROJECT NO: 1228-16-71

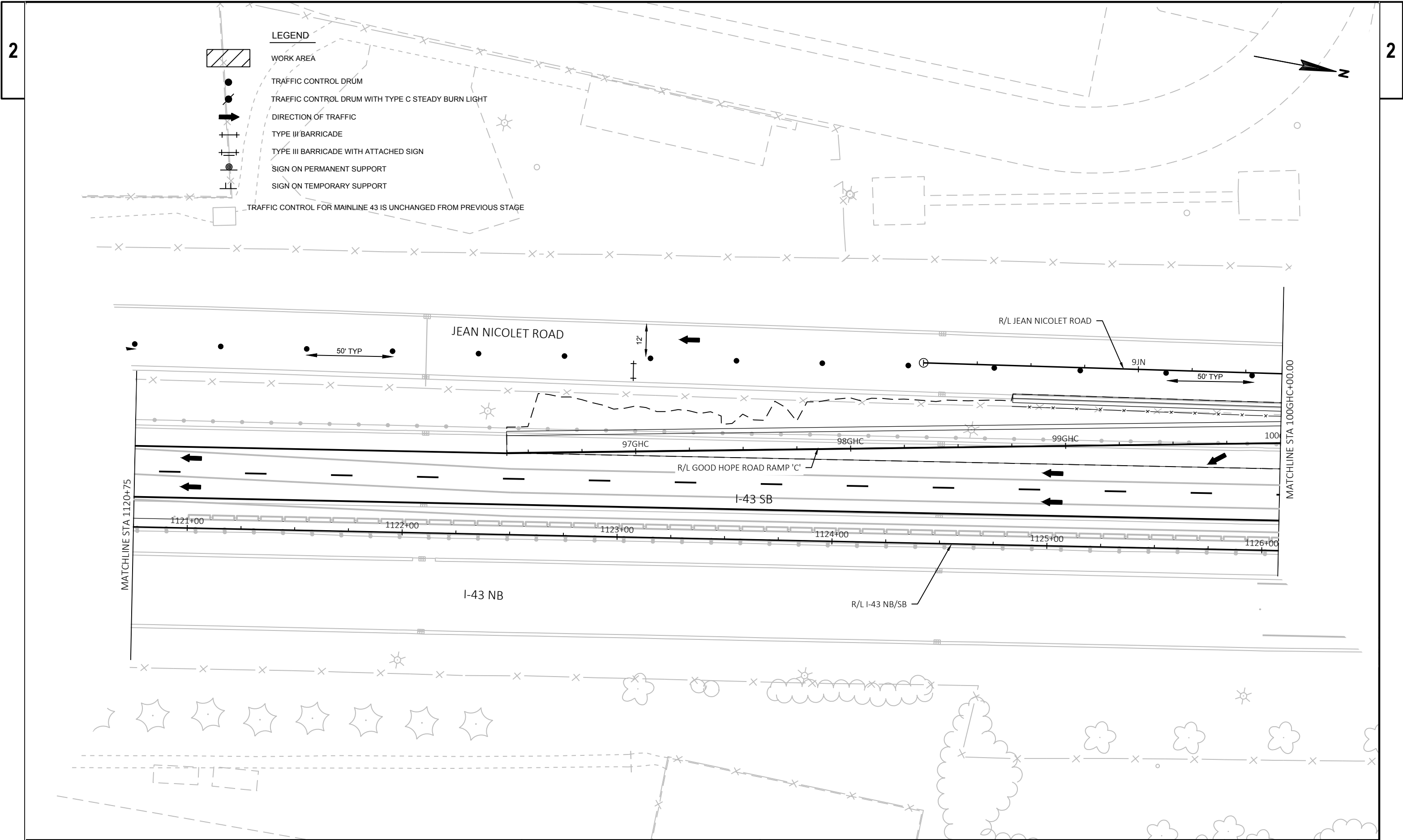
HWY: IH-43

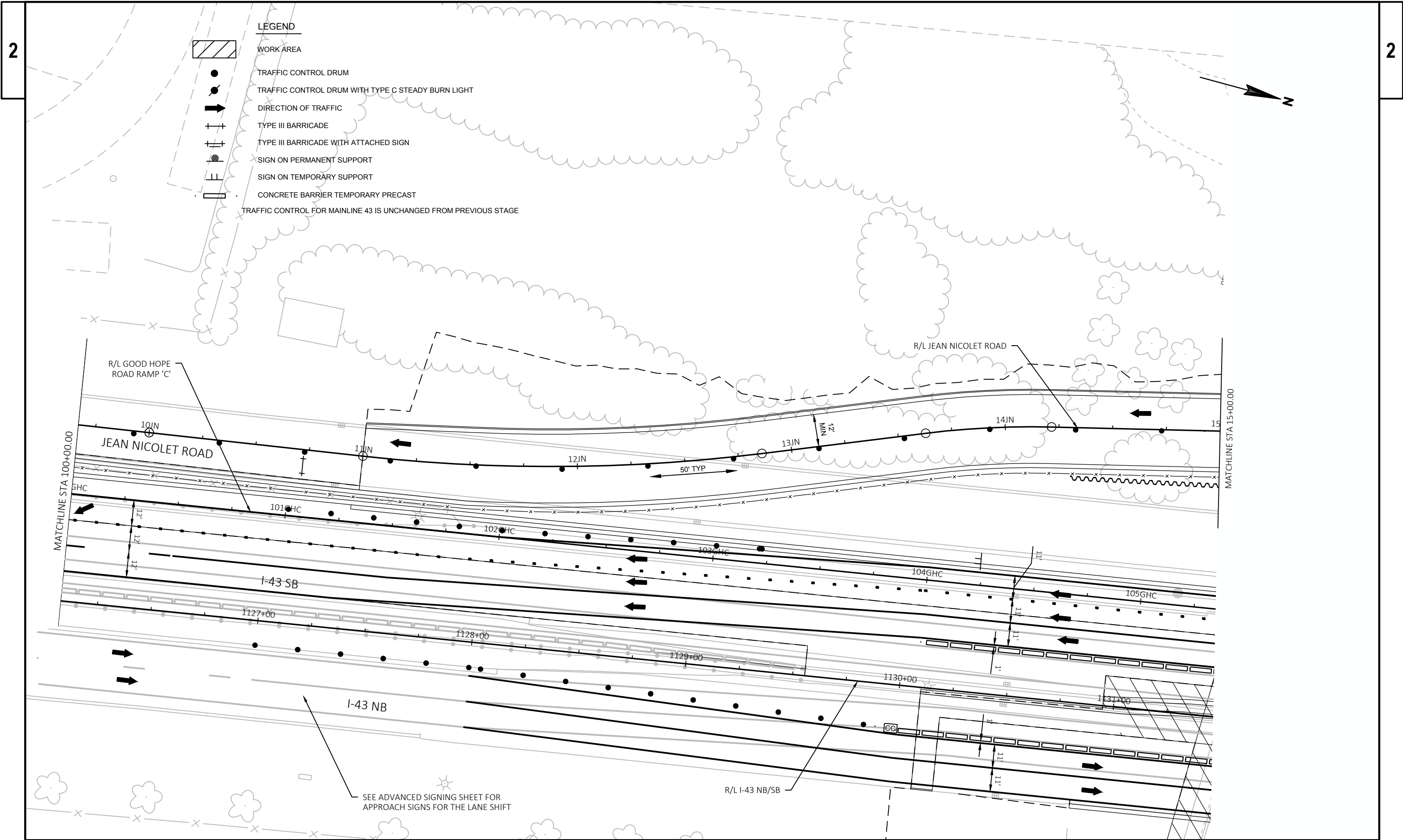
COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 3

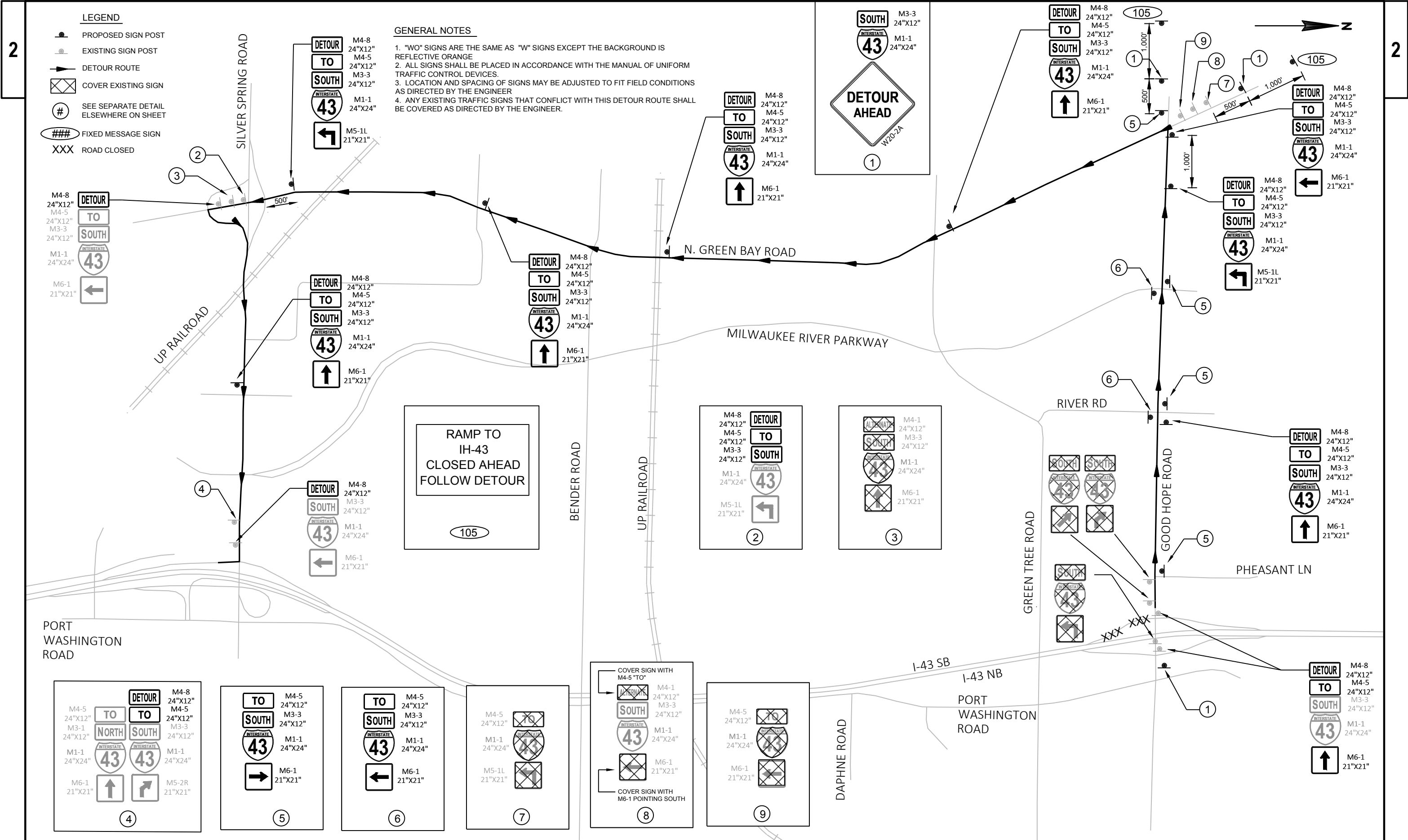
SHEET

E





PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E
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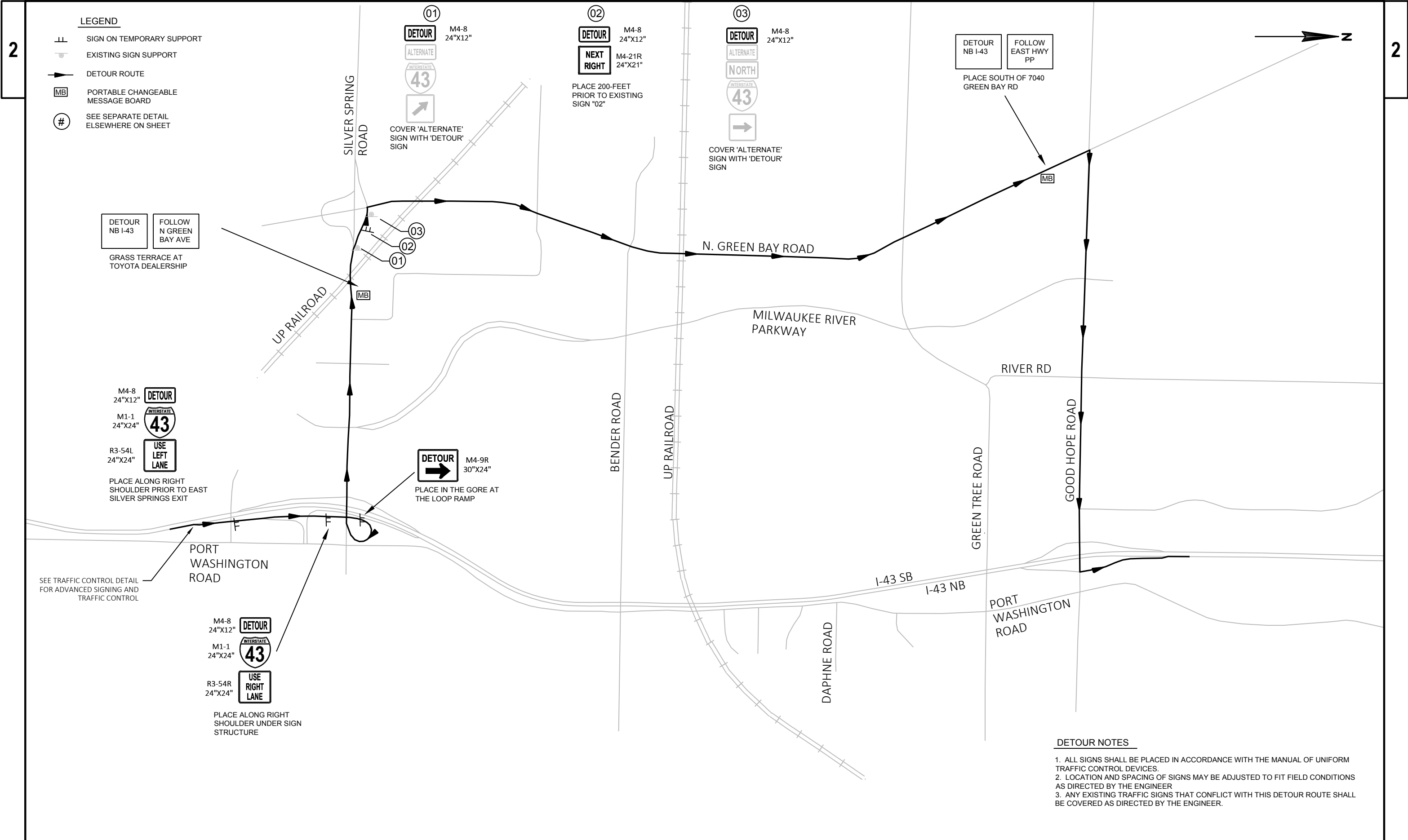


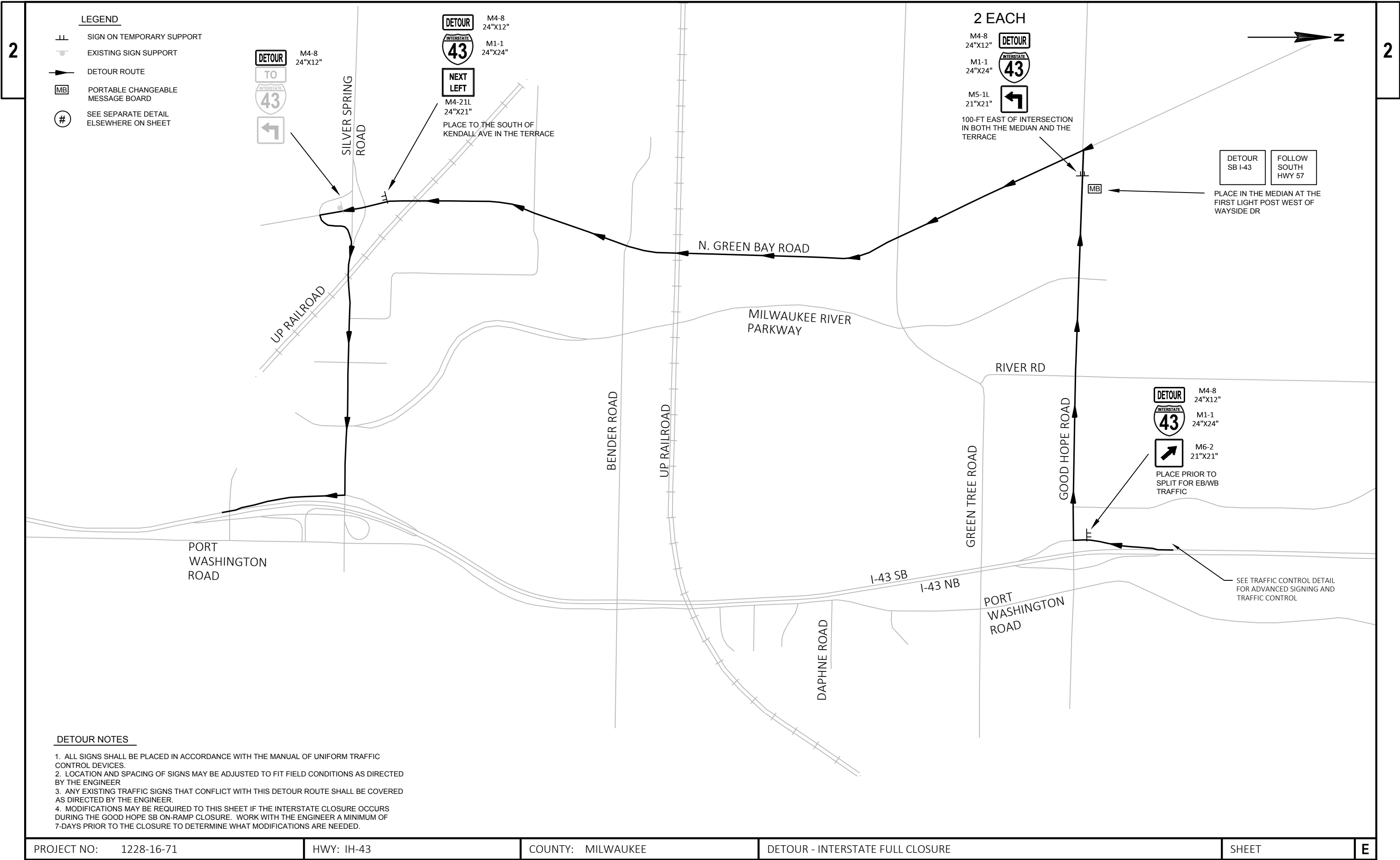
LEGEND

- PROPOSED SIGN POST
- EXISTING SIGN POST
- DETOUR ROUTE
- COVER EXISTING SIGN
- SEE SEPARATE DETAIL ELSEWHERE ON SHEET
- FIXED MESSAGE SIGN
- ROAD CLOSED

GENERAL NOTES

- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE
- ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- LOCATION AND SPACING OF SIGNS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER
- ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR ROUTE SHALL BE COVERED AS DIRECTED BY THE ENGINEER.





LEGEND

- SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN SUPPORT
- DETOUR ROUTE
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- # SEE SEPARATE DETAIL ELSEWHERE ON SHEET

DETOUR NOTES

1. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. LOCATION AND SPACING OF SIGNS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER
3. ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR ROUTE SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
4. MODIFICATIONS MAY BE REQUIRED TO THIS SHEET IF THE INTERSTATE CLOSURE OCCURS DURING THE GOOD HOPE SB ON-RAMP CLOSURE. WORK WITH THE ENGINEER A MINIMUM OF 7-DAYS PRIOR TO THE CLOSURE TO DETERMINE WHAT MODIFICATIONS ARE NEEDED.

PROJECT NO: 1228-16-71

HWY: IH-43

COUNTY: MILWAUKEE

DETOUR - INTERSTATE FULL CLOSURE

SHEET

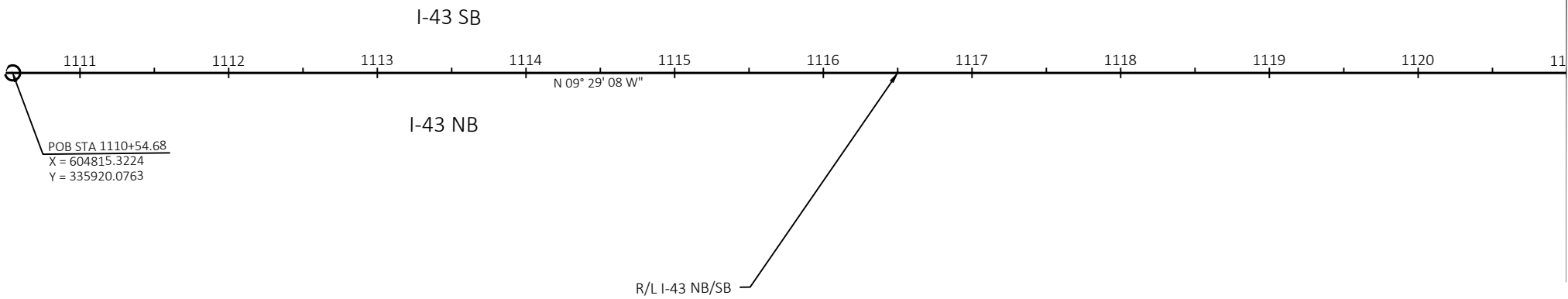
E

 BARRICADE WITH SIGN
(TYPE 2 OR 3 AS INDICATED)

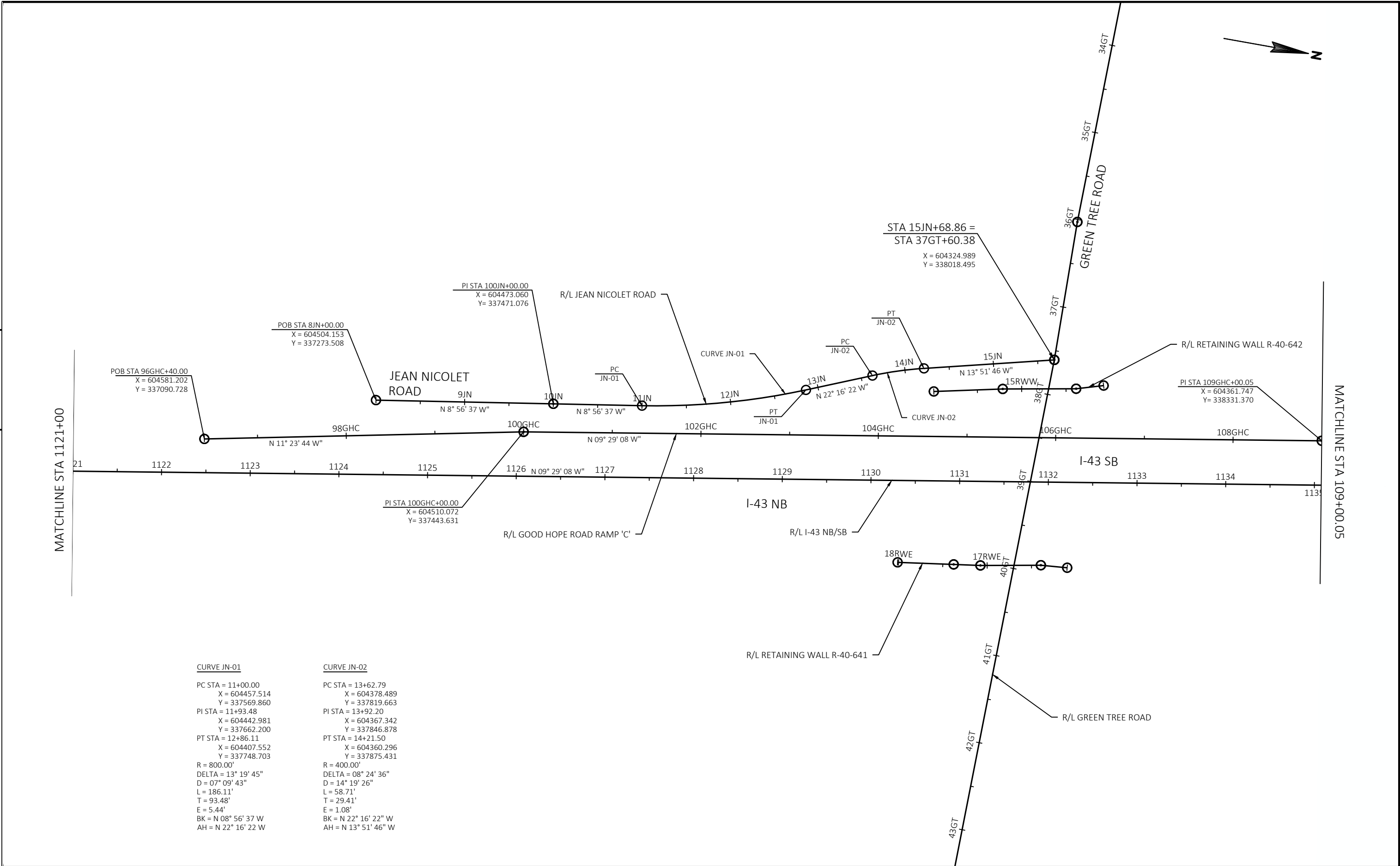
 DETOUR ROUTE



5

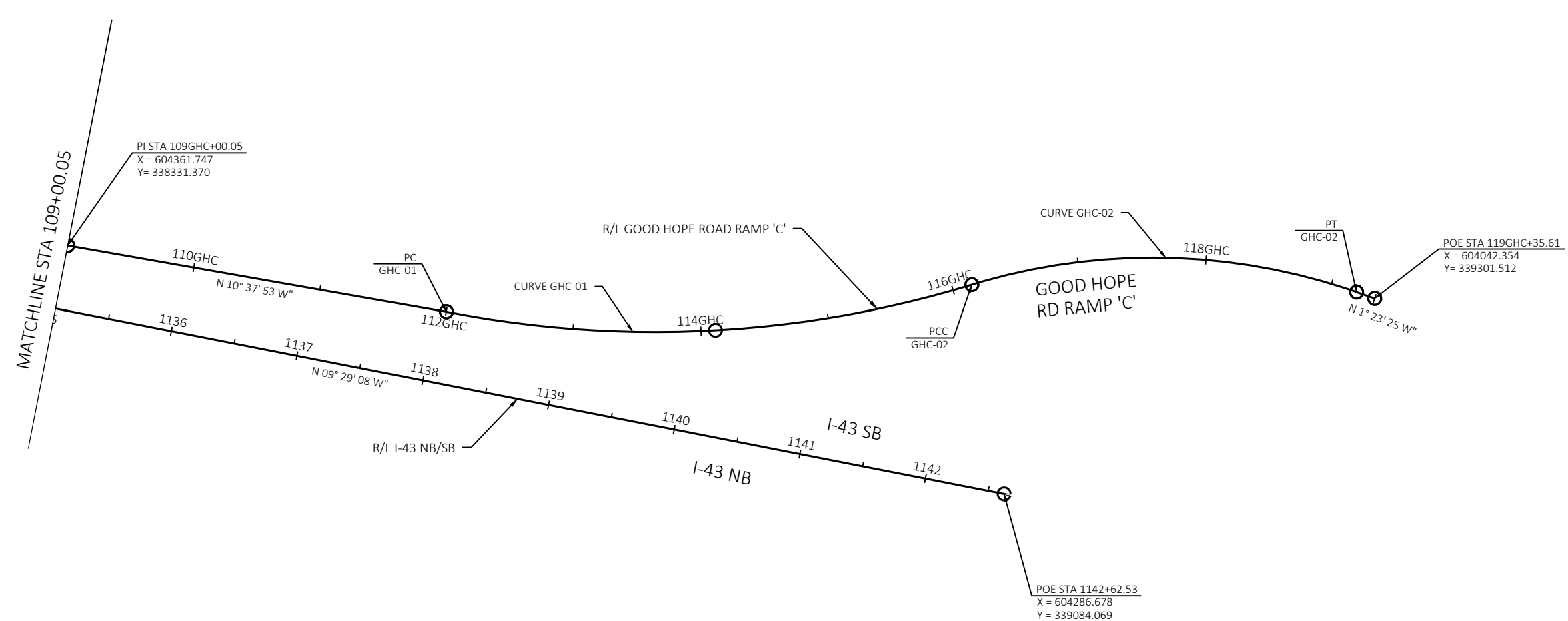


5



CURVE JN-01
PC STA = 11+00.00
X = 604457.514
Y = 337569.860
PI STA = 11+93.48
X = 604442.981
Y = 337662.200
PT STA = 12+86.11
X = 604407.552
Y = 337748.703
R = 800.00'
DELTA = 13° 19' 45"
D = 07° 09' 43"
L = 186.11'
T = 93.48'
E = 5.44'
BK = N 08° 56' 37" W
AH = N 22° 16' 22" W

CURVE JN-02
PC STA = 13+62.79
X = 604378.489
Y = 337819.663
PI STA = 13+92.20
X = 604367.342
Y = 337846.878
PT STA = 14+21.50
X = 604360.296
Y = 337875.431
R = 400.00'
DELTA = 08° 24' 36"
D = 14° 19' 26"
L = 58.71'
T = 29.41'
E = 1.08'
BK = N 22° 16' 22" W
AH = N 13° 51' 46" W



CURVE GHC-01	CURVE GHC-02
PC STA = 112+00.05	PCC STA = 116+15.20
X = 604306.400	X = 604142.643
Y = 338626.220	Y = 339003.236
PI STA = 114+11.85	PI STA = 119+20.61
X = 604271.495	X = 604042.717
Y = 338835.131	Y = 339286.516
PCC STA = 116+15.20	PT STA = 117+73.16
X = 604142.643	X = 604046.550
Y = 339003.236	Y = 339128.603
R = 850.00'	R = 485.00'
DELTA = 27° 59' 04"	DELTA = 36° 04' 47"
D = 06° 44' 26"	D = 11° 48' 49"
L = 415.16'	L = 305.41'
T = 211.81'	T = 157.96'
BK = N 10° 37' 53" W	BK = N 37° 28' 12" W
AH = N 37° 28' 12" W	AH = N 01° 23' 25" W

CLEARING AND GRUBBING

ROADWAY	STATION			CLEARING	GRUBBING
	BEGIN	END	OFFSET	201.0105 STA	201.0205 STA
GOOD HOPE SB ON RAMP	106GHC+41	- 107GHC+26	LT	1	1
	108GHC+65	- 109GHC+20	LT	.5	.5
	109GHC+99	- 113GHC+85	LT	4	4
GREEN TREE ROAD	31GT+00	- 35GT+63	LT	4.5	4.5
	31GT+05	- 31GT+68	RT	.5	.5
	32GT+60	- 33GT+03	RT	.5	.5
	35GT+40	- 36GT+40	RT	1	1
	36GT+75	- 37GT+20	RT	.5	.5
	37GT+15	- 37GT+92	LT	1	1
	39GT+92	- 40GT+46	RT	.5	.5
JEAN NICOLET ROAD	11JN+36	- 15JN+42	LT/RT	4	4
PROJECT 1228-16-71 TOTALS				18.0	18.0

REMOVING CURB & GUTTER

ROADWAY	FROM		TO		204.0150 **P** REMOVING CURB & GUTTER LF
	STATION	OFFSET	STATION	OFFSET	
PROJECT 1228-16-71					
GOOD HOPE SB ON RAMP	112GHC+97	3.8' LT	118GHC+83	17.6' LT	589
	113GHC+00	10.6' RT	119GHC+30	25.9' RT	614
GREEN TREE ROAD	31GT+00	13.8' LT	38GT+41	20.2' LT	742
	31GT+00	14' RT	33GT+13	50' RT	236
	33GT+45	49.3' RT	37GT+98	22.8' RT	475
	39GT+85	20.1' LT	42GT+85	19.4' LT	300
	39GT+93	21.5' RT	42GT+85	21.5' RT	292
	41GT+37	20.7' RT	41GT+48	39.9' RT	24
	41GT+73	40.5' RT	41GT+96	22.3' RT	30
I-43	1120+45	12.1' LT	1129+56	10.8' LT	911
JEAN NICOLET ROAD	8JN+42	12' RT	11JN+00	12.8' RT	258
PROJECT 1228-16-71 TOTAL					4,471

REMOVING PAVEMENT

ROADWAY	FROM		TO		204.0100 REMOVING PAVEMENT SY
	STATION	OFFSET	STATION	OFFSET	
PROJECT 1228-16-71					
GOOD HOPE SB ON RAMP	96GHC+40	LT	113GHC+65	LT/RT	2,442
	1130+95	LT	1133+19	LT	244
	1130+10	RT	1133+02	RT	361
JEAN NICOLET ROAD	11JN+00	LT/RT	15JN+38	RT	1,319
PROJECT 1228-16-71 TOTAL					4,366

REMOVING CONCRETE BARRIER

ROADWAY	FROM		TO		204.0157 REMOVING CONCRETE BARRIER LF
	STATION	OFFSET	STATION	OFFSET	
PROJECT 1228-16-71					
I-43 NB	1130+10	2.5' RT	1133+02	2.4' RT	292
	1131+41	46.8' RT	1132+01	46.8' RT	60
I-43 SB	1130+95	3.6' LT	1133+19	3.7' LT	224
	1131+57	48.3' LT	1132+18	48.5' LT	61
PROJECT 1228-16-71 TOTAL					637

REMOVING GUARDRAIL

ROADWAY	FROM		TO		204.0165 **P** REMOVING GUARDRAIL LF
	STATION	OFFSET	STATION	OFFSET	
PROJECT 1228-16-71					
GOOD HOPE SB ON RAMP	96GHC+40	11.5' LT	101GHC+89	3.7' LT	549
	106GHC+72	2.1' RT	107GHC+44	1.4' LT	72
I-43	1129+00	2.5' LT	1130+09	3.2' LT	59
PROJECT 1228-16-71 TOTAL					680

ALL ITEMS CATEGORY 0010

REMOVING DRAIN ITEMS					
ROADWAY	FROM		204.0210	204.0220	
	STATION	OFFSET	REMOVING	REMOVING	
			MANHOLES	INLETS	
			EACH	EACH	
PROJECT 1228-16-71					
GOOD HOPE SB ON RAMP	102GHC+91	16.2' LT	--	1	
	106GHC+57	2.8' RT	--	1	
	107GHC+07	2.6' RT	--	1	
	108GHC+92	1.1' LT	--	1	
	111GHC+93	4.4' LT	--	1	
	113GHC+01	15.6 RT	--	1	
	115GHC+98	20.3' LT	--	1	
	115GHC+97	4.8' LT	--	1	
GREEN TREE ROAD	34GT+00	13' RT	--	1	
	34GT+06	13' LT	--	1	
	40GT+10	21.1' RT	--	1	
	40GT+00	37.2' LT	1	--	
	40GT+03	20.6' LT	--	1	
I-43	1131+54	4' RT	--	1	
	1131+55	5.5' LT	--	1	
	1132+33	10.1' LT	1	--	
	1132+64	0.4' LT	1	--	
	1133+15	5.6' LT	--	1	
JEAN NICOLET ROAD	12JN+78	4.6' RT	--	1	
PROJECT 1228-16-71 TOTAL			3	16	

FINISHING ROADWAY	
	213.0100
	FINISHING
	ROADWAY
	1228-16-71
ROADWAY	EACH
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL	1

REMOVING STORM SEWER							
ROADWAY	FROM		TO		204.0245	204.0245	204.0245
	STATION	OFFSET	STATION	OFFSET	REMOVING	REMOVING	REMOVING
					STORM SEWER	STORM SEWER	STORM SEWER
					12-INCH	15-INCH	36-INCH
					LF	LF	LF
PROJECT 1228-16-71							
GOOD HOPE SB ON RAMP	115GHC+96	19.5' LT	115GHC+96	5' RT	25	--	--
GREEN TREE ROAD	33GT+89	18.8' RT	34GT+06	13.2' RT	--	42	--
	40GT+00	36.7' LT	40GT+10	21.8' RT	--	59	--
JEAN NICOLET ROAD	12JN+54	28.6' RT	12JN+78	4.8' RT	34	--	--
I-43	1130+93	6.6' LT	1132+33	10.0' LT	--	139	--
	1132+16	120.9' RT	1132+62.5	46.8' RT	--	110	--
	1132+33	10.0' LT	1133+15	5.8' LT	--	--	90
	1132+54	5.2' LT	1132+54	3.4' RT	--	9	--
PROJECT 1228-16-71 TOTAL					59	359	90

REMOVING FENCE						
						204.0170
ROADWAY	FROM		TO		REMOVING	
	STATION	OFFSET	STATION	OFFSET	FENCE	
					LF	
PROJECT 1228-16-71						
GOOD HOPE SB ON RAMP	98GHC+75	18.6' LT	101GHC+88	3.9' LT		315
GREEN TREE ROAD	37GT+44	41' LT	38GT+39	31.3' LT		97
I-43	1131+94	87.2' RT	1132+67	102.4' RT		78
PROJECT 1228-16-71 TOTAL						490

ALL ITEMS CATEGORY 0010

CATEGORY	DIVISION	LOCATION	FROM/TO STATION	COMMON EXCAVATION (CY) (1) (2) 205.0100	EXCAVATION BELOW SUBGRADE (1)	FILL (CY)	MASS ORDINATE +/- (5)	BACKFILL STRUCTURE TYPE A (TON) 210.1500	BORROW (TON) 208.0100	EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL (TON) SPV.0195.01	COMMENTS
0010	1	GREEN TREE ROAD JEAN NICOLET ROAD	31GT+00 TO 37GT+89 8JN+42 TO 15JN+00	513 893	0 0	1,706 158	-1,193 735	0 0	1,706 158	0 0	
	DIVISION 1 SUBTOTAL			1,406	0	1,864	-458	0	1,864	0	
0010	2	GREEN TREE ROAD	40GT+08 TO 42GT+85	446	0	190	256	0	190	0	
	DIVISION 2 SUBTOTAL			446	0	190	256	0	190	0	
0010	3	IH-43 GOOD HOPE ROAD SOUTHBOUND ENTRANCE RAMP CONTAMINATED SOIL ALONG IH-43	1120+45 TO 1133+19 96GHC+50 TO 119+00 1131+27 TO 1132+59	2,295 11,768 -1,239	230 1,177 0	10 406 0	2,285 11,362 0	0 741 0	10 406 0	0 0 2,110	
	DIVISION 3 SUBTOTAL			12,824	1,406	416	13,647	741	416	2,110	
PROJECT 1228-16-71 TOTAL				16,082		2,470	13,445	741	2,470	2,110	

1) EXCAVATION COMMON = CUT + EBS EXCAVATION. ITEM NUMBER 205.0100. EBS ASSUMES 10% OF THE COMMON EXCAVATION AT THE PARTICULAR STATION.
2) CUT VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL UNLESS OTHERWISE NOTED IN PLANS.
4) ROADWAY EMBANKMENT = FILL
5) MASS ORDINATE = CUT - FILL. THE MASS ORDINATE IS FOR INFORMATION PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT (BORROW) ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE.
6) EXCAVATED CRESOTE CONTAMINATED SOILS ARE QUANTIFIED AS SHOWN WITH STATION RANGES AND ELEVATIONS DEPTHS SUPPLIED WITHIN THE SPECIALS. DISPOSAL IS PAID UNDER ITEM SPV.0195.01. CONVERSION FACTOR ESTIMATED AT 1.7 TONS PER CY.
7) DIVISON NUMBERING IS INDEPENDENT OF CONSTRUCTION STAGING NUMBERING

ALL ITEMS CATEGORY 0010

SUBSTRUCTURE											
				305.0110	305.0120	311.0110	312.0110	371.1000.S	624.0100	SPV.0180.01	
				BASE AGGREGATE	BASE AGGREGATE	BREAKER	SELECT	QMP BASE AGGREGATE DENSE		GEOGRID	
STATION				DENSE 3/4-INCH	DENSE 1 1/4-INCH	RUN	CRUSHED MATERIAL	1 1/4 INCH COMPACTION	WATER	REINFORCEMENT	
ROADWAY	FROM	TO	OFFSET	TON	TON	TON	TON	TON	MGAL	SY	COMMENTS
STAGE 1A											
I-43 NB	1130+10	1133+02	RT	--	239	--	--	239	3.6	--	
I-43 SB	1120+45	1129+59	LT	--	564	--	--	564	8.5	--	
STAGE 1A SUBTOTALS				--	803	--	--	803	12.0	--	
STAGE 2A											
GOOD HOPE SB ON RAMP	96GHC+40	- 112GHC+00	LT/RT	--	2,233	--	--	2,233	33.5	--	
	96GHC+40	- 112GHC+00	LT/RT	--	--	3,216	--	--	--	--	
	112GHC+00	- 119GHC+21	LT/RT	--	1,728	--	--	1,728	25.9	260	EBS
	112GHC+00	- 119GHC+21	LT/RT	--	--	2,488	--	--	--	--	
	112GHC+00	- 119GHC+21	LT/RT	--	--	--	173	--	--	--	
STAGE 2A SUBTOTALS				--	3,961	5,704	173	3,961	59.4	260	
STAGE 2B											
GREEN TREE ROAD	31GT+00	- 37GT+87	LT/RT	--	2,008	--	--	2,008	30.1	--	
	31GT+00	- 37GT+82	LT	--	92	--	--	92	1.4	--	SIDEWALK LEFT
	32GT+52	- 32GT+62	LT	--	6	--	--	6	0.1	--	DRIVEWAY LEFT
	32GT+84	- 33GT+08	RT	--	3	--	--	3	0.1	--	SIDEWALK RIGHT
	32GT+85	- 32GT+96	LT	--	7	--	--	7	0.1	--	DRIVEWAY LEFT
	33GT+04	- 33GT+12	RT	1	--	--	--	--	--	--	RESIDENT PATH
	33GT+44	- 33GT+54	LT	--	6	--	--	6	0.1	--	DRIVEWAY LEFT
	33GT+47	- 33GT+58	RT	3	--	--	--	--	--	--	RESIDENT PATH
	33GT+51	- 34GT+01	RT	--	7	--	--	7	0.1	--	SIDEWALK RIGHT
	36GT+52	- 36GT+69	RT	--	45	--	--	45	0.7	--	DRIVEWAY RIGHT
	36GT+78	- 36GT+88	LT	--	9	--	--	9	0.1	--	DRIVEWAY LEFT
	37GT+17	- 37GT+49	RT	--	5	--	--	5	0.1	--	SIDEWALK RIGHT
JEAN NICOLET ROAD	8JN+42	- 11JN+00	RT	--	96	--	--	96	1.4	--	
	11JN+00	- 15JN+35	LT/RT	--	1,076	--	--	1,076	16.1	--	
I-43 NB	1130+84	- 1132+77	RT	--	29	--	--	29	0.4	--	
STAGE 2B SUBTOTALS				4	3,389	--	--	3,389	50.9	--	
STAGE 3											
GREEN TREE ROAD	39GT+98	- 42GT+34	LT	--	26	--	--	26	0.4	--	SIDEWALK LEFT
	40GT+03	- 42GT+85	LT/RT	--	833	--	--	833	12.5	--	
	40GT+08	- 41GT+43	RT	--	26	--	--	26	0.4	--	SIDEWALK RIGHT
	41GT+37	- 41GT+89	RT	--	43	--	--	43	0.6	--	
	41GT+81	- 42GT+85	RT	--	17	--	--	17	0.3	--	SIDEWALK RIGHT
I-43 SB	1130+95	1133+19	LT	33	207	--	--	207	3.1	--	
STAGE 3 SUBTOTALS				33	1,152	--	--	1,152	17.3	--	
PROJECT 1228-16-71 TOTALS				37	9,305	5,704	173	9,305	139.6	260	

ALL ITEMS CATEGORY 0010

CONCRETE ITEMS										
ROADWAY	STATION	OFFSET	415.0100	416.0170	416.0610	602.0410	SPV.0165.01	COMMENTS		
			CONCRETE PAVEMENT	CONCRETE DRIVEWAY		CONCRETE SIDEWALK	SALVAGE AND REPLACE			
			10-INCH	7-INCH	DRILLED TIE BARS	5-INCH	BRICK PAVERS			
			SY	SY	EACH	SF	SF			
STAGE 2B										
GREEN TREE ROAD	31GT+00	-	32GT+52	LT	--	--	736	--	SIDEWALK LEFT	
	32GT+49	-	32GT+65	LT	--	13	--	--		
	32GT+62	-	32GT+85	LT	--	--	114	--	SIDEWALK LEFT	
	32GT+82	-	32GT+99	LT	--	14	--	--		
	32GT+84	-	33GT+08	RT	--	--	117	--	SIDEWALK RIGHT	
	32GT+96	-	33GT+44	LT	--	--	240	--	SIDEWALK LEFT	
	33GT+04	-	33GT+12	RT	--	--	50	--	RESIDENT PATH	
	33GT+41	-	33GT+57	LT	--	13	--	--		
	33GT+47	-	33GT+58	RT	--	--	50	--	RESIDENT PATH	
	33GT+51	-	34GT+01	RT	--	--	290	--	SIDEWALK RIGHT	
	33GT+54	-	36GT+78	LT	--	--	1,651	--	SIDEWALK LEFT	
	36GT+75	-	36GT+91	LT	--	13	--	--		
	36GT+88	-	37GT+82	LT	--	--	534	--	SIDEWALK LEFT	
	37GT+17	-	37GT+49	RT	--	--	192	--	SIDEWALK RIGHT	
	IH -43 NB	1130+84	-	1132-77	RT	86	--	65	--	UNDER BARRIER
STAGE 2B SUBTOTALS				86	53	65	3,974	--		
STAGE 3										
GREEN TREE ROAD	39GT+99	-	41GT+52	LT	--	--	1,064	--	SIDEWALK LEFT	
	40GT+08	-	41GT+42	RT	--	--	1,064	--	SIDEWALK RIGHT	
	41GT+81	-	42GT+85	RT	--	--	686	--	SIDEWALK RIGHT	
	40GT+88		RT	--	--	--	--	43		
STAGE 3 SUBTOTALS				--	--	--	2,814	43		
PROJECT 1228-16-71 TOTALS				86	53	65	6,788	43		

ALL ITEMS CATEGORY 0010

						ASPHALT ITEMS				
						455.0605	460.6223	460.6224	465.0120	495.1000.S
						TACK	HMA PAVEMENT	HMA PAVEMENT	ASPHALTIC SURFACE	
						COAT	3 MT 58-28 S	4 MT 58-28 S	DRIVEWAYS AND	COLD
									FIELD ENTRANCES	PATCH
ROADWAY		STATION		OFFSET		GAL	TON	TON	TON	TON
STAGE 1A										
I-43 NB		1130+10	-	1133+02	RT	28	--	47	--	--
		1130+10	-	1133+02	RT	--	71	--	--	--
	I-43 SB	1120+45	-	1129+56	LT	71	--	120	--	--
		1120+45	-	1129+56	LT	--	180	--	--	--
STAGE 1A SUBTOTALS						99	251	167	--	--
STAGE 2A										
GOOD HOPE SB ON RAMP		96GHC+40	-	119GHC+21	RT/LT	389	--	656	--	--
		96GHC+40	-	119GHC+21	RT/LT	--	983	--	--	--
STAGE 2A SUBTOTALS						389	983	656	--	--
STAGE 2B										
GREEN TREE ROAD		31GT+00	-	37GT+54	RT/LT	207	--	349	--	--
		31GT+00	-	37GT+54	RT/LT	--	524	--	--	--
		32GT+52	-	32GT+62	LT	1	--	--	2	--
		32GT+85	-	32GT+96	LT	1	--	--	2	--
		33GT+44	-	33GT+54	LT	1	--	--	2	--
		36GT+52	-	36GT+69	RT	6	--	--	15	--
		36GT+78	-	36GT+88	LT	1	--	--	3	--
	JEAN NICOLET ROAD	11JN+00	-	15JN+26	RT/LT	106	--	178	--	--
11JN+00		-	15JN+26	RT/LT	--	267	--	--	--	
STAGE 2B SUBTOTALS						323	791	527	24	--
STAGE 3 SUBTOTALS										
GREEN TREE ROAD		40GT+03	-	42GT+85	RT/LT	88	--	148	--	--
		40GT+03	-	42GT+85	RT/LT	--	222	--	--	--
		41GT+40	-	41GT+85	RT	5	--	--	13	--
	I-43 NB	1131+25	-	1132+50	RT	10	--	16	--	--
1131+25		-	1132+50	RT	--	25	--	--	--	
I-43 SB	1130+95	-	1133+19	LT	13	--	22	--	--	
	1130+95	-	1133+19	LT	--	33	--	--	--	
STAGE 3 SUBTOTALS						116	280	186	13	--
UNDISTRIBUTED						--	--	--	10	20
PROJECT 1228-16-71 TOTALS						927	2,305	1,536	47	20

ALL ITEMS CATEGORY 0010

CURB & GUTTER ITEMS									
					601.0105	601.0411	SPV.0090.04		
					CONCRETE	CONCRETE	CONCRETE		
					CURB TYPE A	CURB AND GUTTER	CURB AND GUTTER SHES		
					30-INCH TYPE D	30-INCH TYPE D	30-INCH TYPE D		
ROADWAY	STATION			OFFSET	LF	LF	LF		
STAGE 1A									
I-43 NB	1130+10	-	1130+20	RT	--	--	10		
STAGE 1A SUBTOTALS					--	--	10		
STAGE 2A									
GOOD HOPE SB ON RAMP	113GHC	-	119GHC+21		--	544	--		
STAGE 2A SUBTOTALS					--	544	--		
STAGE 2B									
GREEN TREE ROAD	31GT+00	-	33GT+12	RT	--	229	--		
	31GT+00	-	37GT+82	LT	--	682	--		
	33GT+47	-	37GT+54	RT	--	434	--		
	33GT+89	-	34GT+24	LT	35	--	--		
JEAN NICOLET ROAD	11JN+00	-	15JN+26	LT	--	424	--		
STAGE 2B SUBTOTALS					35	1,770	--		
STAGE 3									
GREEN TREE ROAD	40GT+00	-	42GT+85	LT	--	218	--		
	40GT+08	-	41GT+29	RT	--	120	--		
	41GT+27	-	41GT+42	RT	15	--	--		
	41GT+29	-	42GT+00	RT	--	--	143		
	42GT+00	-	42GT+85	RT	--	85	--		
	41GT+81	-	41GT+98	RT	17	--	--		
STAGE 3 SUBTOTALS					32	424	143		
PROJECT 1228-16-71 TOTAL					67	2,738	153		

DETECTABLE WARNING FIELDS						
			602.0515	602.0615		
			CURB RAMP	CURB RAMP		
			DETECTABLE WARNING FIELD	DETECTABLE WARNING FIELD RADIAL		
			NATURAL PATINA	NATURAL PATINA		
ROADWAY	STATION	OFFSET	SF	SF		NOTES
GREEN TREE ROAD	33GT+03	26.5' RT	--	20		ON STRUCTURE B-40-917
	33GT+56	26.5' RT	--	20		
	33GT+94	19.5' RT	10	--		
	33GT+94	19.5' LT	10	--		
	37GT+19	24.6' RT	10	--		
	37GT+20	21.3' LT	10	--		
	37GT+42	30.5' RT	--	24		
	38GT+00	30.0' RT	12	--		
	41GT+34	23.5' RT	--	20		
	41GT+92	23.5' RT	--	24		
PROJECT 1228-16-71 TOTALS			52	108		

ALL ITEMS CATEGORY 0010

CONCRETE BARRIER TEMPORARY PRECAST ITEMS

ALL ITEMS CATEGORY 0010

CRASH CUSHION TEMPORARY ITEMS										
ROADWAY	STATION	OFFSET	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	
STAGE 1A										
NB	1129+02	9' RT	1	4	OM-3R (WO5-58M)	TL-3	UNIDIRECTIONAL	L	BLUNT END OF TEMPORARY BARRIER	
STAGE 1A SUBTOTAL			1							
STAGE 2A										
NB	1130+50	32' RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	R	BLUNT END OF TEMPORARY BARRIER	
SB	1140+00	32' LT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	R	BLUNT END OF TEMPORARY BARRIER	
STAGE 2A SUBTOTAL			2							
STAGE 2B										
NB	1130+00	21' RT	1	4	OM-3R (WO5-58M)	TL-3	UNIDIRECTIONAL	L	BLUNT END OF TEMPORARY BARRIER	
SB	1134+50	21' LT	1	4	OM-3R (WO5-58M)	TL-3	UNIDIRECTIONAL	L	BLUNT END OF TEMPORARY BARRIER	
STAGE 2B SUBTOTAL			2							
PROJECT 1128-16-71 TOTAL			5							

3

						614.0920	614.0950	614.0951
						SALVAGED	REPLACING	REPLACING
						RAIL	GUARDRAIL	GUARDRAIL
		BEGIN	END				POSTS AND BLOCKS	RAIL AND HARDWARE
ROADWAY	STATION	OFFSET	STATION	OFFSET	LF	EACH		EACH
PROJECT 1228-16-71								
I-43 NB	1130+05.0	47.0' RT	1130+84.1	47.0' RT	89	25		89
PROJECT 1228-16-71 TOTAL					89	25		89

						614.2300	614.2620
						MGS	MGS
						GUARDRAIL 3	GUARDRAIL
							TERMINAL TYPE 2
FROM		TO					
STATION	OFFSET	STATION	OFFSET	LOCATION		LF	EACH
STAGE 2B							
37GT+43	32.3' LT	37GT+67	30.4' LT	GREEN TREE ROAD		25	2
STAGE 2B SUBTOTALS						25	2
PROJECT 1228-16-71 TOTALS						25	2

3

				614.1100 **P** MGS GUARDRAIL TEMPORARY THREE BEAM TRANSITION	
ROADWAY	STATION	OFFSET	LF	NOTES	
STAGE 1A					
I-43 NB INSIDE SHOULDER	1132+40	2.5' RT	28	*	
I-43 NB OUTSIDE SHOULDER	1130+15	48' RT	13	**	
I-43 SB INSIDE SHOULDER	1130+10	2.5' RT	14	FRONT AND BACK FACE*	
I-43 SB INSIDE SHOULDER	1133+33	2.5' RT	26	**	
STAGE 1A SUBTOTALS			81		
PROJECT 1228-16-71 TOTALS			81		

*TEMPORARY THRIE BEAM TRANSITION PIECES ARE 6'3" IN LENGTH.
 **TEMPORARY THRIE BEAM TRANSITION PIECES ARE 12'6" IN LENGTH

			616.0206
			FENCE CHAIN LINK
			6-FT
LOCATION	STATION	OFFSET	LF
PROJECT 1228-16-71			
NW OF BRIDGE	37GT+44 - 37GT+80	LT	43
SW OF BRIDGE	8JN+42 - 15JN+24	RT	684
NE OF BRIDGE	1131+91 - 1132+67	RT	76
SE OF BRIDGE	1129+86 - 1131+23	RT	137
PROJECT 1228-16-71 TOTALS			940

				616.0700.S
				FENCE SAFETY
ROADWAY	STATION	OFFSET	LF	
STAGE 1A				
GREEN TREE ROAD	34GT+7.2	40.2' RT	5	
	34GT+43.5	43.4' RT	5	
	35GT+4.2	39.1' RT	5	
STAGE 1A SUBTOTALS			15	
PROJECT 1228-16-71 TOTALS			15	

ALL ITEMS CATEGORY 0010

	619.1000
	<u>MOBILIZATION</u>
ROADWAY	EACH
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL:	1

	623.0200
	DUST
	CONTROL
	<u>SURFACE TREATMENT</u>
ROADWAY	SY
PROJECT 1228-16-71	13,800
PROJECT 1228-16-71 TOTAL:	13,800

E

EROSION CONTROL														
					616.0600.S	628.1504	628.1520	628.1905	628.1910	628.2002	628.2006	628.2023	628.7504	628.7570
					FENCE		SILT FENCE	SILT FENCE	MOBILIZATIONS	EROSION	EROSION	EROSION MAT	EROSION MAT	EROSION MAT
					TEMPORARY*		MAINTENANCE	CONTROL	CONTROL	CLASS I TYPE A	URBAN CLASS I	CLASS II TYPE B	TEMPORARY	ROCK
					LF	LF	LF	EACH	EACH	SY	SY	SY	LF	BAGS
ROADWAY	START	END	STATION	OFFSET										
	STATION	OFFSET	STATION	OFFSET										
PROJECT 1228-16-71														
STAGE 1A														
GREEN TREE ROAD	31GT+00	25.6' RT	31GT+98	34.7' RT	--	107	107	--	--	--	--	--	--	--
	33GT+80	37.8' RT	36GT+44	47.8' RT	--	268	268	--	--	--	--	--	--	--
	36GT+71	44.5' RT	37GT+27	45.3' RT	--	57	57	--	--	--	--	--	--	--
JEAN NICOLET ROAD	11JN+35	64.8' LT	12JN+89	31.5' LT	--	153	153	--	--	--	--	--	--	--
GOOD HOPE SB ON RAMP	113GHC+50	18.4' LT	118GHC+80	30.6' LT	--	563	563	--	--	--	--	--	--	--
	114GHC+00	31.7' RT	116GHC+50	31.7' RT	--	259	259	--	--	--	--	--	--	--
STAGE 1A SUBTOTALS					--	1,405	1,405	--	--	--	--	--	--	--
STAGE 2A														
GREEN TREE ROAD	31GT+00	24' LT	32GT+52	30' LT	--	--	--	--	--	--	78	--	--	--
	31GT+00	15' LT	32GT+49	20' LT	--	--	--	--	--	--	82	--	--	--
	31GT+00	13' RT	33GT+07	32' RT	--	--	--	--	--	--	315	--	--	--
	32GT+62	30' LT	32GT+85	30' LT	--	--	--	--	--	--	21	--	--	--
	32GT+65	20' LT	32GT+82	20' LT	--	--	--	--	--	--	11	--	--	--
	32GT+96	30' LT	33GT+44	30' LT	--	--	--	--	--	--	18	--	--	--
	32GT+99	20' LT	33GT+41	20' LT	--	--	--	--	--	--	25	--	--	--
	33GT+52	32' RT	36'GT+52	21' RT	--	--	--	--	--	--	672	--	--	--
	33GT+54	30' LT	36GT+78	31' LT	--	--	--	--	--	--	208	--	--	--
	33GT+57	20' LT	33GT+73	20' LT	--	--	--	--	--	--	21	--	--	--
	33GT+82	20' LT	36GT+75	21' LT	--	--	--	--	--	--	155	--	--	--
	36GT+69	22' RT	37GT+49	38' RT	--	--	--	--	--	--	135	--	--	--
	36GT+88	31' LT	37GT+84	30' LT	--	--	--	--	--	--	130	--	--	--
	36GT+91	21' LT	37GT+25	21' LT	--	--	--	--	--	--	16	--	--	--
	37GT+32	21' LT	37GT+61	22' LT	--	--	--	--	--	--	14	--	--	--
	37GT+80	28.5' LT	37GT+93	37.2' RT	67	--	--	--	--	--	--	--	--	--
	39GT+99	28.5' LT	40GT+11	36' RT	66	--	--	--	--	--	--	--	--	--
	11JN+00	16' LT	15JN+35	20' LT	--	--	--	--	--	--	745	--	--	--
	96GHC+40	10' LT	100GHC+00	10' LT	--	--	--	--	--	--	--	1,270	--	--
	100GHC+00	10' LT	105GHC+45	10' LT	--	--	--	--	--	371	--	--	--	--
JEAN NICOLET ROAD	106GHC+13	10' LT	107GHC+39	10' LT	--	--	--	--	--	--	--	646	--	--
	107GHC+39	10' LT	118GHC+82	22' LT	--	--	--	--	--	1,507	--	--	--	--
	113GHC+66	20' RT	19GHC+21	27' RT	--	--	--	--	--	291	--	--	--	--
	I-43	1130+00	1131+33	49' RT	--	--	--	--	--	--	--	698	--	--
		1132+01	1132+77	49' RT	--	--	--	--	--	--	--	313	--	--
STAGE 2A SUBTOTALS					133	--	--	--	--	2,170	2,645	2,927	--	--
STAGE 3														
GREEN TREE ROAD	39GT+95	30' LT	40GT+89	30' LT	--	--	--	--	--	122	--	--	--	--
	40GT+07	37' RT	41GT+43	30' RT	--	--	--	--	--	719	--	--	--	--
	40GT+92	30' RT	41GT+43	30' RT	--	--	--	--	--	40	--	--	--	--
	40GT+93	30' LT	41GT+51	32' LT	--	--	--	--	--	22	--	--	--	--
	41GT+31	23' LT	42GT+18	23' LT	--	--	--	--	--	71	--	--	--	--
	41GT+81	30' RT	42GT+85	30' RT	--	--	--	--	--	91	--	--	--	--
STAGE 3 SUBTOTALS					--	--	--	--	--	1,064	--	--	--	--
UNDISTRIBUTED					50	--	--	7	8	162	132	146	35	30
PROJECT 1228-16-71 TOTALS					183	1,405	1,405	7	8	3,396	2,778	3,073	35	30

*TEMPORARY FENCE TO BE PLACED ACROSS GREEN TREE AT EAST AND WEST ENDS OF BRIDGE LIMITS AFTER THE BRIDGE IS REMOVED.

ALL ITEMS CATEGORY 0010

RESTORATION ITEMS												
					625.0500	627.0200	628.6510	628.7560	629.0210	630.0110	630.0140	630.0200
							SOIL			SEEDING	SEEDING	
					SALVAGED		STABILIZER	TRACKING	FERTILIZER	MIXTURE	MIXTURE	SEEDING
					TOPSOIL	MULCHING	TYPE B	PADS	TYPE B	NO. 10	NO. 40	TEMPORARY
ROADWAY	START	OFFSET	END	OFFSET	SY	SY	ACRE	EACH	CWT	LB	LB	LB
STATION			STATION									
STAGE 2A												
I-43	1130+00	48' RT	1130+36	48' RT	--	351	--	--	0.00	--	--	9
STAGE 2A SUBTOTALS					--	351	--	--	0.00	--	--	9
STAGE 2A												
GREEN TREE ROAD	31GT+00	24' RT	32GT+52	30' LT	90	--	--	--	0.25	--	2	--
	31GT+00	15' LT	32GT+49	20' LT	82	--	--	--	0.25	2	--	--
	31GT+00	13' RT	33GT+07	32' RT	303	--	--	--	0.25	--	8	--
	32GT+62	30' LT	32GT+85	30' LT	19	--	--	--	0.25	--	1	--
	32GT+65	20' LT	32GT+82	20' LT	11	--	--	--	0.25	--	--	--
	32GT+96	30' LT	33GT+44	30' LT	21	--	--	--	0.25	--	1	--
	32GT+99	20' LT	33GT+41	20' LT	25	--	--	--	0.25	1	--	--
	33GT+52	32' RT	36'GT+52	21' RT	695	--	--	--	0.50	--	19	--
	33GT+54	30' LT	36GT+78	31' LT	274	--	--	--	0.25	--	7	--
	33GT+57	20' LT	33GT+73	20' LT	10	--	--	--	0.25	--	--	--
	33GT+82	20' LT	36GT+75	21' LT	166	--	--	--	0.25	4	--	--
	36GT+69	22' RT	37GT+49	38' RT	143	--	--	--	0.25	--	4	--
	36GT+88	31' LT	37GT+84	30' LT	117	--	--	--	0.25	--	3	--
	36GT+91	21' LT	37GT+25	21' LT	20	--	--	--	0.25	1	--	--
	37GT+32	21' LT	37GT+61	22' LT	12	--	--	--	0.25	--	--	--
JEAN NICOLET ROAD	11JN+00	16' LT	15JN+35	20' LT	745	--	--	--	0.50	--	20	--
GOOD HOPE SB ON RAMP	96GHC+40	10' LT	105GHC+45	10' LT	1,645	--	--	--	1.25	--	44	--
	106GHC+13	10' LT	107GHC+39	10' LT	646	--	--	--	0.50	--	17	--
	107GHC+39	10' LT	118GHC+82	22' LT	1,507	--	--	--	1.00	--	41	--
	113GHC+66	20' RT	19GHC+21	27' RT	291	--	--	--	0.25	--	8	--
STAGE 2A SUBTOTALS					6,823	--	--	--	8	8	175	--
STAGE 2B												
I-43 NB	1130+00	45' RT	1131+33	49' RT	698	--	--	--	0.50	--	19	--
	1132+01	49' RT	1132+77	49' RT	313	--	--	--	0.25	--	8	--
STAGE 2B SUBTOTALS					1,011	--	--	--	0.75	--	27	--
STAGE 3												
GREEN TREE ROAD	39GT+95	30' LT	40GT+89	30' LT	122	--	--	--	0.25	--	3	--
	40GT+07	37' RT	41GT+43	30' RT	719	--	--	--	0.50	--	19	--
	40GT+92	30' RT	41GT+43	30' RT	40	--	--	--	0.25	--	1	--
	40GT+93	30' LT	41GT+51	32' LT	22	--	--	--	0.25	--	1	--
	41GT+31	23' LT	42GT+18	23' LT	71	--	--	--	0.25	--	2	--
	41GT+81	30' RT	42GT+85	30' RT	91	--	--	--	0.25	--	2	--
STAGE 3 SUBTOTALS					1,064	--	--	--	1.75	--	28	--
UNDISTRIBUTED					--	50	0.25	3	1	20	20	200
PROJECT 1228-16-71 TOTALS					8,898	401	0.25	3	11	28	250	209

ALL ITEMS CATEGORY 0010

INLET PROTECTION						
			628.7005	628.7020		
			INLET	INLET		
			PROTECTION	PROTECTION		
			TYPE A	TYPE D		
ROADWAY	STATION	OFFSET	EACH	EACH		
STAGE 1A						
GREEN TREE ROAD	33GT+58	35' RT	1	--		
	34GT+00	13' RT	--	1		
	34GT+06	13' LT	--	1		
	10JN+78	15' RT	--	1		
	12JN+54	29' RT	--	1		
	12JN+78	5' RT	--	1		
	I-43	1130+49	5' RT	--	1	
		1130+49	47' RT	--	1	
	1132+63	3' RT	--	1		
STAGE 1A SUBTOTALS			1	8		
STAGE 1B						
GOOD HOPE SB ON RAMP	115GHC+96	5' RT	1	1		
	115GHC+98	20' LT	1	1		
STAGE 1B SUBTOTALS			2	2		
STAGE 2A						
GREEN TREE ROAD	34GT+00	13' RT	1	--		
	34GT+05	18' T	1	--		
	34GT+17	17' LT	1	1		
	34GT+14	18' RT	1	1		
	37GT+37	26' RT	1	1		
	37GT+37	20' LT	1	1		
	40GT+04	20' LT	--	1		
	40GT+10	21' RT	--	1		
	42GT+11	21' LT	--	1		
	42GT+11	21' RT	--	1		
GOOD HOPE SB ON RAMP	98GHC+42	2' LT	1	1		
	104GHC+41	7' LT	1	1		
	104GHC+42	3' LT	1	1		
	106GHC+55	13' LT	1	1		
	106GHC+56	4' LT	1	1		
	106GHC+57	6' LT	1	1		
	107GHC+06	7' LT	1	1		
	107GHC+07	3' LT	1	1		
	108GHC+92	2' LT	1	1		
	108GHC+92	7' LT	1	1		
GOOD HOPE SB ON RAMP CONT.	111GHC+93	5' LT	1	1		
	113GHC+17	5' LT	1	1		
	113GHC+50	12' LT	1	1		
	113GHC+70	7' LT	1	1		
	116GHC+45	27' RT	1	1		
I-43	1124+50	13' LT	1	1		
	1132+63	46' RT	1	1		
	1139+10	47' LT	1	1		
	1139+26	46' LT	1	1		
	1139+75	47' LT	1	1		
JEAN NICOLET ROAD	1139+79	55' LT	1	1		
	10JN+89	15' RT	1	--		
	12JN+54	29' RT	1	--		
	12JN+78	5' RT	1	--		
STAGE 2A SUBTOTALS			30	29		

INLET PROTECTION (CONT.)

			628.7005	628.7020
			INLET	INLET
			PROTECTION	PROTECTION
			TYPE A	TYPE D
ROADWAY	STATION	OFFSET	EACH	EACH
STAGE 2B				
GREEN TREE ROAD	40GT+04	21' LT	1	--
	40GT+10	22' RT	1	--
	40GT+25	21' LT	1	1
	41GT+60	21' LT	1	1
	41GT+60	21' RT	1	1
I-43	1130+49	5' RT	--	1
	1133+15	6' LT	--	1
STAGE 2B SUBTOTALS			5	5
PROJECT 1228-16-71 TOTALS			38	44

TEMPORARY SETTLING BASIN

	628.1104	645.0120
	EROSION	GEOTEXTILE
	BALES	TYPE HR
ROADWAY	EACH	SY
PROJECT 1228-16-71		
SETTLING BASIN	30	67
PROJECT 1228-16-71 TOTALS	30	67

MAINTENANCE AND REPAIR OF HAUL
ROADS (1228-16-71)

ROADWAY	618.0100	
	MAINTENANCE AND REPAIR OF HAUL ROADS	
	1228-16-71	
		EACH
PROJECT 1228-16-71		1
PROJECT 1228-16-71 TOTAL		1

ALL ITEMS CATEGORY 0010

TRAFFIC CONTROL ITEMS																							
		643.0200.S.001	643.0300		643.0410		643.0420		643.0705		643.0715		643.0800		643.0900		643.0920		643.1050		643.4100.S		SPV.0060.01
		TRAFFIC			TRAFFIC		TRAFFIC		CONTROL		TRAFFIC		TRAFFIC			TRAFFIC	CONTROL		TRAFFIC		TRAFFIC		
		SURVEILLANCE			CONTROL		CONTROL		WARNING		WARNING		CONTROL			COVERING	CONTROL		CONTROL		CONTROL		
		& MAINTENANCE			BARRICADES		BARRICADES		LIGHTS		LIGHTS		ARROW			SIGNS	SIGNS		SIGNS		LANE		
	DURATION	1228-16-71	DRUMS		TYPE II		TYPE III		TYPE A		TYPE C		BOARDS			SIGNS	TYPE II		PCMS		CLOSURE		
ROADWAY	DAYS	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH	EACH*	DAYS	EACH	ENTRANCE RAMP		
STAGE 1A CONSTRUCTION																							
GREEN TREE ROAD	30	--	19	570	--	--	16	480	32	960	12	360	--	--	8	240	--	--	--	--	--	--	
JEAN NICOLET ROAD	30	--	48	1,440	--	--	2	60	4	120	3	90	--	--	12	360	3	--	--	--	--	--	
I-43 NB	30	--	31	930	--	--	--	--	--	--	--	--	--	--	4	120	--	--	--	--	--	--	
I-43 NB NIGHT LANE CLOSURE	10	--	50	500	--	--	2	20	4	40	15	150	2	20	12	120	--	--	--	10	--	--	
I-43 SB NIGHT LANE CLOSURE	10	--	50	500	--	--	2	20	4	40	15	150	2	20	12	120	--	--	--	10	--	--	
I-43 SB SHOULDER CLOSURE	30	--	21	630	--	--	--	--	--	--	--	--	--	--	8	240	--	--	--	--	--	--	
ADVANCED SIGNING	30	--	--	--	--	--	1	30	2	60	--	--	--	--	20	600	--	1	30	--	--	--	
STAGE 1A SUBTOTAL			30		4,570		--		610		1,220		750		40		1,800	3		30	20	--	
STAGE 1B CONSTRUCTION																							
GREEN TREE ROAD	20	--	19	380	--	--	16	320	32	640	12	240	--	--	8	160	--	--	--	--	--	--	
JEAN NICOLET ROAD	20	--	48	960	--	--	2	40	4	80	3	60	--	--	12	240	--	--	--	--	--	--	
GOOD HOPE ROAD	20	--	37	740	--	--	10	200	20	400	8	160	2	40	8	160	2	--	--	--	--	--	
ADVANCED SIGNING	20	--	--	--	--	--	1	20	2	40	--	--	--	--	15	300	--	1	20	--	--	--	
GOOD HOPE RAMP VEHICULAR DETOUR	20	--	--	--	--	--	--	--	--	--	--	--	--	--	85	1,700	19	--	--	--	--	--	
GREEN TREE PEDESTRIAN DETOUR	20	--	--	--	13	260	1	20	--	--	--	--	--	--	23	460	--	--	--	--	--	--	
SILVER SPRING DRIVE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	
STAGE 1B SUBTOTAL			20		2,080		260		600		1,160		460		40		3,020	23		20	--	--	
STAGE 2A CONSTRUCTION																							
GREEN TREE ROAD	85	--	--	--	--	--	21	1,785	42	3,570	--	--	--	--	8	680	--	--	--	--	--	--	
JEAN NICOLET ROAD	85	--	13	1,105	--	--	4	340	8	680	--	--	--	--	1	85	--	--	--	--	--	--	
GOOD HOPE ROAD	85	--	37	3,145	--	--	9	765	18	1,530	8	680	2	170	9	765	--	--	--	--	--	--	
I-43	85	--	30	2,550	--	--	2	170	4	340	--	--	--	--	7	595	--	--	--	--	--	--	
ADVANCED SIGNING	85	--	--	--	--	--	1	85	2	170	--	--	--	--	30	2,550	--	1	85	--	--	--	
GOOD HOPE RAMP VEHICULAR DETOUR	85	--	--	--	--	--	--	--	--	--	--	--	--	--	85	7,225	--	--	--	--	--	--	
GREEN TREE PEDESTRIAN DETOUR	85	--	--	--	13	1,105	1	85	--	--	--	--	--	--	23	1,955	--	--	--	--	--	--	
I-43 NB MAINLINE DETOUR	5	--	--	--	--	--	--	--	--	--	--	--	--	--	11	55	--	2	10	--	--	--	
I-43 SB MAINLINE DETOUR	5	--	--	--	--	--	--	--	--	--	--	--	--	--	13	65	--	1	5	--	--	--	
STAGE 2A SUBTOTAL			85		6,800		1,105		3,230		6,290		680		170		13,975	--		100	--	--	

ALL ITEMS CATEGORY 0010

TRAFFIC CONTROL ITEMS (CONTINUED)

		643.0100	643.0300	643.0410	643.0420	643.0705	643.0715	643.0800	643.0900	643.0920	643.1050	643.4100.S	SPV.0060.01
				TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC		TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC
		TRAFFIC	TRAFFIC	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	TRAFFIC	CONTROL	CONTROL	CONTROL	CONTROL
		CONTROL	CONTROL	BARRICADES	BARRICADES	WARNING	WARNING	ARROW	CONTROL	COVERING	SIGNS	INTERIM	CLOSE-OPEN
		LIGHTS	LIGHTS	TYPE II	TYPE III	TYPE A	TYPE C	BOARDS	SIGNS	SIGNS	PCMS	LANE	FREEWAY
		TYPE II	TYPE III	TYPE A	TYPE C	BOARDS	SIGNS	SIGNS	PCMS	CLOSURE	ENTRANCE RAMP		
ROADWAY	DURATION	1228-16-71	DRUMS	TYPE II	TYPE III	TYPE A	TYPE C	BOARDS	SIGNS	TYPE II	PCMS	CLOSURE	ENTRANCE RAMP
	DAYS	EACH	EACH* DAYS	EACH* DAYS	EACH* DAYS	EACH* DAYS	EACH* DAYS	EACH* DAYS	EACH* DAYS	EACH	EACH* DAYS	EACH	EACH
STAGE 2B CONSTRUCTION													
GREEN TREE ROAD	55	--	-- --	-- --	18 990	36 1,980	-- --	-- --	8 440	--	-- --	--	--
JEAN NICOLET ROAD	55	--	13 715	-- --	2 110	4 220	-- --	-- --	12 660	--	-- --	--	--
GOOD HOPE NB OFF RAMP	55	--	-- --	-- --	-- --	-- --	-- --	-- --	2 110	--	-- --	--	--
GOOD HOPE SB ON RAMP	55	--	-- --	-- --	-- --	-- --	-- --	-- --	4 220	--	-- --	--	--
I-43	55	--	62 3,410	-- --	-- --	-- --	-- --	-- --	11 605	--	-- --	--	--
ADVANCED SIGNING	55	--	-- --	-- --	1 55	2 110	-- --	-- --	28 1,540	--	-- --	--	--
GREEN TREE PEDESTRIAN DETOUR	55	--	-- --	13 715	1 55	-- --	-- --	-- --	23 1,265	--	-- --	--	--
STAGE 2B SUBTOTAL		55	4,125	715	1,210	2,310	--	--	4,840	--	--	--	--
STAGE 3 CONSTRUCTION													
GREEN TREE ROAD	20	--	-- --	-- --	14 280	28 560	-- --	-- --	7 140	--	-- --	--	--
JEAN NICOLET ROAD	20	--	49 980	-- --	4 80	8 160	-- --	-- --	12 240	--	-- --	--	--
GOOD HOPE NB OFF RAMP	20	--	-- --	-- --	-- --	-- --	-- --	-- --	2 40	--	-- --	--	--
GOOD HOPE SB ON RAMP	20	--	-- --	-- --	-- --	-- --	-- --	-- --	4 80	--	-- --	--	--
I-43	55	--	62 3,410	-- --	-- --	-- --	-- --	-- --	11 605	--	-- --	--	--
ADVANCED SIGNING	20	--	-- --	-- --	1 20	2 40	-- --	-- --	32 640	--	-- --	--	--
GREEN TREE PEDESTRIAN DETOUR	20	--	-- --	13 260	1 20	-- --	-- --	-- --	23 460	--	-- --	--	--
I-43 NB MAINLINE DETOUR	5	--	-- --	-- --	-- --	-- --	-- --	-- --	11 55	--	2 10	--	--
I-43 SB MAINLINE DETOUR	5	--	-- --	-- --	-- --	-- --	-- --	-- --	13 65	--	1 5	--	--
STAGE 3 SUBTOTAL		20	4,390	260	400	760	--	--	2,325	--	15	--	--
UNDISTRIBUTED		--	1,100	120	300	590	90	10	1,300	10	1 210	--	10
PROJECT1228-16-71 TOTAL		210	23,065	2,460	6,350	12,330	1,980	260	27,260	36	375	20	10

* PROVIDED FOR INFORMATION ONLY

ALL ITEMS CATEGORY 0010

TRAFFIC CONTROL FIXED MESSAGE SIGNS				
		634.0612	643.1000	
		POSTS	TRAFFIC CONTROL	
		WOOD	SIGNS	
		4X6-INCH X 12-FT	FIXED MESSAGE	
LOCATION	FMS NO.	EACH	SF	
PROJECT 1228-16-71				
EB GREEN TREE ROAD	101	2	15.6	
NB MILWAUKEE RIVER PKWY	101	2	15.6	
SB MILWAUKEE RIVER PWKY	101	2	15.6	
WB BENDER ROAD	102	2	14.2	
EB BENDER ROAD	102	2	14.2	
NB JEAN NICOLET ROAD	102	2	14.2	
NB PORT WASHINGTON ROAD	103	2	14.2	
SB PORT WASHINGTON ROAD	103	2	14.2	
WB GREE TREE ROAD	103	2	14.2	
NB PORT WASHINGTON ROAD	104	--	5.3	
NB PORT WASHINGTON ROAD	104	--	5.3	
NB PORT WASHINGTON ROAD	104	--	5.3	
SB PORT WASHINGTON ROAD	104	--	5.3	
SB PORT WASHINGTON ROAD	104	--	5.3	
SB PORT WASHINGTON ROAD	104	--	5.3	
EB GOOD HOPE ROAD	105	2	20.2	
SB GREEN BAY ROAD	105	2	20.2	
PROJECT 1228-16-71 TOTALS		22	204.2	

PAVEMENT CLEANUP
(PROJECT 1228-16-71)

		SPV.0075.01
		PAVEMENT
		CLEANUP
		PROJECT
		1228-16-71
ROADWAY	HOURS	
PROJECT 1228-16-71	250	
PROJECT 1228-16-71 TOTAL	250	

NOTE: QUANTITY ASSUMES 10 HOURS/WEEK

INLET COVER REPAIR MAINTENANCE SPECIAL			
			SPV.0060.03
			INLET COVER
			REPAIR MAINTENANCE
			SPECIAL
ROADWAY	STATION	OFFSET	EACH
PROJECT 1228-16-71			
I-43 SB	1122+10	13' LT	1
	1124+50	13' LT	1
PROJECT 1228-16-71 TOTALS			2

SPEED TRAILER

		SPV.0045.01
		SPEED
		TRAILER
ROADWAY	DAYS	
JEAN NICOLET ROAD	245	
PROJECT 1228-16-71 TOTAL	245	

FIELD FACILITY OFFICE SPACE

		SPV.0060.02
		OFFICE SPACE
ROADWAY	EACH	
PROJECT 1228-16-71	1	
PROJECT 1228-16-71 TOTAL	1	

SURVEY PROJECT

		SPV.0105.01
		SURVEY
		PROJECT
ROADWAY	LS	
PROJECT 1228-16-71	1	
PROJECT 1228-16-71 TOTAL	1	

ALL ITEMS CATEGORY 0010

PAVEMENT MARKINGS										
				416.1110	646.1020		646.1040		646.5020	
					P		MARKING LINE GROOVED WET			
				CONCRETE SHOULDER RUMBLE STRIPS	MARKING LINE EPOXY 4-INCH		REFLECTIVE EPOXY 4-INCH		MARKING ARROW EPOXY	
ROADWAY		STATION	TO	STATION	LF	(WHITE) LF	(YELLOW) LF	(WHITE) LF	(YELLOW) LF	(WHITE) EACH
PROJECT 1228-16-71										
GREEN TREE ROAD		31GT+00	-	42GT+85	--	1,986	274	--	--	--
JEAN NICOLET ROAD		11JN+00	-	15JN+69	--	848	848	--	--	--
GOOD HOPE SB ON RAMP		96GHC+40	-	118GHC+87	1,400	63	--	2,246	495	--
I-43 NB		1127+00	-	1139+37	--	--	--	1,020	1,037	--
I-43 SB		1119+35	-	1142+86	--	--	--	473	2,251	2
SILVER SPRING SB ON RAMP		---	-	---	--	--	--	--	--	--
PROJECT 1228-16-71 TOTAL					1,400	4,019		7,522		2

PAVEMENT MARKINGS (CONTINUED)						
646.5220	646.6120	646.7120	646.7220	646.7420	SPV0090.02	SPV0090.03
MARKING SYMBOL EPOXY	**P** MARKING STOP LINE EPOXY 18-INCH	MARKING DIAGONAL EPOXY 12-INCH	**P** MARKING CHEVRON EPOXY 24-INCH	**P** MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	MARKING LINE GROOVED CONTRAST WET REFLECTIVE TAPE 4-INCH	MARKING LINE GROOVED CONTRAST WET REFLECTIVE TAPE 8-INCH
(WHITE) EACH	(WHITE) LF	(YELLOW) LF	(WHITE) LF	(WHITE) LF	(WHITE) LF	(WHITE) LF
--	50	--	--	80	--	--
--	21	--	--	92	--	--
--	24	--	--	--	--	494
--	--	76	186	--	309	817
--	--	189	--	--	588	418
4	--	--	--	--	--	--
4	95	265	186	172	897	1,729

ALL ITEMS CATEGORY 0010

TEMPORARY PAVEMENT MARKINGS

				646.0600 REMOVING PAVEMENT MARKING	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH		649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I	
				LF	(WHITE) LF	(YELLOW) LF	DASH (WHITE) LF	(WHITE) EACH
STAGE 1A								
	I-43 NB	1128+25	- 1134+64	1,500	1,905	--	55	17
STAGE 1A SUBTOTAL				1,500		1,960		17
STAGE 1B								
	SILVER SPRING SB ON RAMP	---	- ---	213	--	--	--	--
STAGE 1B SUBTOTAL				213		--		--
STAGE 2A								
	I-43 NB	1127+00	- 1139+37	--	1,801	800	--	20
	I-43 SB	1119+35	- 1142+86	3,139	3,131	2,240	124	49
STAGE 2A SUBTOTAL				3,139		8,096		69
STAGE 2B								
	I-43 NB	1127+00	- 1139+37	--	--	--	--	23
	I-43 SB	1119+35	- 1142+86	--	--	--	--	40
STAGE 2B SUBTOTAL				--		--		63
STAGE 3								
	I-43 NB	1127+00	- 1139+37	--	1,856	1,037	60	--
	I-43 SB	1119+35	- 1142+86	--	3,723	1,554	327	--
STAGE 3 SUBTOTAL				--		8,557		--
UNDISTRIBUTED				--		--		20
PROJECT 1228-16-71 TOTAL				4,853		18,613		169

ALL ITEMS CATEGORY 0010

SAWCUTS							
				690.0150	690.0250		
				SAWING	SAWING		
				ASPHALT	CONCRETE		
ROADWAY	STATION			OFFSET	LF	LF	NOTES
PROJECT 1228-16-71							
GOOD HOPE SB ON RAMP	104GHC+55	-	104GHC+55	RT	--	11	
	118GHC+82	-	1118GHC+82	LT	22	--	
	118GHC+82	-	119GHC+21	RT	60	--	
GREEN TREE ROAD	31GT+00	-	31GT+00	LT	27	--	
	32GT+50	-	32GT+63	LT	12	--	
	32GT+85	-	32GT+96	LT	11	--	
	33GT+15	-	33GT+47	RT	--	32	
	33GT+44	-	33GT+54	LT	10	--	
	36GT+44	-	36GT+59	RT	--	15	
	36GT+79	-	16GT+88	LT	10	--	
	41GT+46	-	41GT+73	RT	27	--	
	42GT+34	-	42GT+58	LT	24	--	
	42GT+85	-	42GT+85	LT	45	--	
I-43	1122+48	-	1139+76	LT	1,728	20	
	1130+10	-	1133+02	RT	356	20	
	1130+94	-	1133+19	LT	222	22	STAGE 3, NB INSIDE SHOULDER
	1131+00	-	1133+00	RT	200	--	
JEAN NICOLET ROAD	11JN+00	-	11JN+00	LT/RT	--	30	
UNDISTRIBUTED	---	-	---	---	100	50	
PROJECT 1228-16-71 TOTAL					2,855	201	

ALL ITEMS CATEGORY 0010

SANITARY SEWER ITEMS										
CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	SPV.0060.08	SPV.0060.09	SPV.0105.1002	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	ELEVATION CHANGE	NOTES
				ADJUSTING SANITARY MANHOLE EACH	RECONSTRUCT SANITARY MANHOLE EACH	STRUCTURE MODIFICATION MMSD DC0406 LS				
GREEN TREE ROAD										
RIVER HILLS										
7010	SAN 01	31GT+36.3	4.3'RT	1	--	--	673.65	673.65	0.00	SEE NOTE 1
7010	SAN 02	33GT+31.2	3.3'LT	1	--	--	677.27	678.03	0.76	SEE NOTE 1
7010	SAN 03	35GT+38.0	2.7'LT	--	1	--	687.27	689.87	2.60	SEE NOTE 1
7010	SAN 04	37GT+23.1	.4'LT	--	1	--	697.11	699.43	2.32	SEE NOTE 1
CATEGORY 7010 SUBTOTALS				2	2	--				
MMSD										
--	MMSD 01	33GT+33.1	6.0'RT	--	--	--	677.41	678.09	0.68	SEE NOTE 2
7047	MMSD 02	36GT+39.1	20.5'LT	--	1	--	693.50	695.84	2.34	SEE NOTE 3
--	MMSD 03	40GT+83.1	24.4'LT	--	--	--	699.95	701.24	1.29	SEE NOTE 2
--	MMSD 04	41GT+04.1	14.7'RT	--	--	--	699.67	700.57	0.90	SEE NOTE 2
--	MMSD 05	41GT+12.1	14.5'RT	--	--	--	699.77	700.47	0.70	SEE NOTE 2
7047	MMSD 06	41GT+11.1	6.8'RT	--	--	1	700.08	700.63	0.55	SEE NOTE 4
--	MMSD 07	42GT+02.	11.1'RT	--	--	--	700.69	700.57	-0.12	SEE NOTE 2
CATEGORY 7047 SUBTOTALS				--	1	1				
PROJECT 1228-16-71 TOTALS				2	3	1				

NOTE 1 - CONTRACTOR TO PERFORM ADJUSTMENT / RECONSTRUCT. PROVIDE MINIMUM 5-DAY NOTICE TO VILLAGE OF RIVER HILLS PRIOR TO PERFORMING WORK. CONTACT KURT FREDERICKSON: 414-352-0080 (OFFICE), 414-651-8586 (CELL).

NOTE 2 - MMSD CREWS WILL PERFORM THE REQUIRED ADJUSTMENT DURING CONSTRUCTION. PROVIDE MINIMUM 5-DAY NOTICE TO MMSD. CONTACT ANTHONY JACKSON: 414-747-3867 (OFFICE), 414-841-9553 (CELL).

NOTE 3 - THE MANHOLE STRUCTURE WILL BE RECONSTRUCTED AND RAISED BY THE THE CONTRACTOR. THE PROPOSED CONCRETE CURB AND GUTTER ALIGNMENT ON THE NORTH SIDE OF GREEN TREE ROAD WILL BE ADJUSTED TO ACCOMMODATE THE MANHOLE FRAME LOCATION. WITH THE CURB ADJUSTMENT, IT IS STILL ANTICIPATED TO REQUIRE THE MANHOLE FRAME TO BE OFFSET TO THE NORTH A MAXIMUM OF 6-INCHES. DUE TO THIS OFFSET, A STANDARD INTERNAL FRAME/CHIMNEY SEAL CAN NOT BE USED. MMSD WILL REQUIRE APPLYING TWO LAYERS OF ELASTOMERIC WATERPROOFING SEALER TO THE EXTERIOR OF THE PRECAST CONCRETE ADJUSTING RINGS AND TWO LAYERS OF 4-MIL PLASTIC. SEE SPECIAL PROVISIONS FOR PRODUCT SPEC FOR THE SEALER. PROVIDE MINIMUM 5-DAY NOTICE TO MMSD BEFORE PERFORMING WORK. CONTACT ANTHONY JACKSON: 414-747-3867 (OFFICE), 414-841-9553 (CELL).

NOTE 4 - MMSD CREWS WILL REMOVE THE EXISTING CONCRETE SLAB COVER AND WILL BE DISPOSED OF BY THE CONTRACTOR. PROVIDE MINIMUM 5-DAY NOTICE TO MMSD PRIOR TO PERFORMING WORK. CONTACT ANTHONY JACKSON: 414-747-3867 (OFFICE), 414-841-9553 (CELL). THE CONTRACTOR WILL REMOVE THE EXISTING CONCRETE RISER TO THE STRUCTURE ROOF DECK. THE CONTRACTOR WILL RECONSTRUCT A NEW CONCRETE RISER TO THE PROPOSED FINISH ELEVATION. CONTRACTOR WILL PROVIDE AND INSTALL A NEW REMOVABLE CONCRETE SLAB COVER.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES

							520.8000	611.0420	611.053	611.0535	611.0606	611.061	611.0624	611.0642	611.0651	611.0654	611.1005	611.1006
							CONCRETE COLLARS	RECONSTRUCT MANHOLE	MANHOLE COVERS	MANHOLE COVERS	INLET COVERS	INLET COVERS	INLET COVERS	INLET COVERS	INLET COVER	INLET COVERS	CATCH BASIN 5-FT	CATCH BASIN 6-FT
STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	FOR PIPE EACH		TYPE J EACH	TYPE JS EACH	TYPE B EACH	TYPE BW EACH	TYPE H EACH	TYPE MS EACH	TYPE S EACH	TYPE V EACH	DIAMETER EACH	DIAMETER EACH
W. GREEN TREE ROAD																		
101	34GT+15	18.0' LT	682.35	--	675.50	5.60	--	--	--	--	--	--	1	--	--	--	1	--
EX MH01	34GT+00	9.9' LT	681.74	680.13	664.62	15.87	--	--	--	1	--	--	--	--	--	--	--	--
EX MH05	34GT+00	13.0' RT	681.69	680.14	671.30	9.14	--	--	--	1	--	--	--	--	--	--	--	--
EX MH 08	32GT+30	20.8' RT	674.72	673.77	--	--	--	1	--	--	--	--	--	--	--	--	--	--
102	34GT+16	18.0' RT	682.40	--	676.00	5.15	--	--	--	--	--	--	1	--	--	--	1	--
EX IN06	33GT+12	37.8' RT	677.05	676.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX IN07	33GT+48	36.5' RT	678.02	676.91	--	--	--	1	--	--	--	--	--	--	--	--	--	--
103	33GT+65	38.0' RT	677.93	--	671.58	5.10	--	--	--	--	--	--	--	1	--	--	--	--
104	36GT+22	18.4' LT	694.35	--	690.00	3.10	--	--	--	--	--	--	1	--	--	--	--	--
MH110	40GT+14	58.1' LT	700.50	--	693.17	6.08	--	--	1	--	--	--	--	--	--	--	--	--
108	40GT+25	21.0' LT	701.65	--	692.85	7.55	--	--	--	--	--	--	1	--	--	--	--	--
107	40GT+36	21.0' RT	701.50	--	690.50	9.75	--	--	--	--	--	--	1	--	--	--	1	--
EX IN222	42GT+11	21.0' LT	700.51	700.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX IN223	42GT+11	21.0' RT	700.51	700.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105	41GT+60	21.0' LT	700.09	--	696.04	2.80	--	--	--	--	--	--	1	--	--	--	--	--
106	41GT+60	21.0' RT	700.08	--	695.00	4.08	--	--	--	--	--	--	--	--	1	--	--	--
W. GREEN TREE ROAD SUBTOTALS							--	2	1	2	--	--	6	1	1	--	3	--
N. JEAN NICOLET ROAD SUBTOTALS																		
114	12JN+60	16.0' LT	692.95	--	689.75	1.95	--	--	--	--	--	--	1	--	--	--	--	--
115	12JN+60	16.0' RT	692.93	--	689.68	2.00	--	--	--	--	--	1	--	--	--	--	--	--
EX IN116	102GHC+91	16.1' LT	692.93	--	689.20	2.48	--	--	1	--	--	--	--	--	--	--	--	--
N. JEAN NICOLET ROAD SUBTOTALS							--	--	1	--	--	1	1	--	--	--	--	--

STORM SEWER STRUCTURES (CONT.)																		
							520.8000	611.0420	611.053	611.0535	611.0606	611.061	611.0624	611.0642	611.0651	611.0654	611.1005	611.1006
							CONCRETE	RECONSTRUCT	MANHOLE	MANHOLE	INLET	INLET	INLET	INLET	INLET	INLET	CATCH BASIN	CATCH BASIN
							COLLARS	MANHOLE	COVERS	COVERS	COVERS	COVERS	COVERS	COVERS	COVER	COVERS	5-FT	6-FT
							FOR PIPE		TYPE J	TYPE JS	TYPE B	TYPE BW	TYPE H	TYPE MS	TYPE S	TYPE V	DIAMETER	DIAMETER
STRUCTURE	NUMBER	STATION	OFFSET	FLANGE OR	EXISTING	LOWEST	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
				RIM ELEV	RIM ELEV	INVERT												
I-43																		
MH200	40GT+43	141.3' RT		699.05	--	674.63	23.17	--	--	1	--	--	--	--	--	--	--	--
MH201	1130+15	11.0' RT		685.08	--	674.09	9.74	--	--	--	1	--	--	--	--	--	--	--
205	1130+49	4.0' RT		683.71	--	677.75	4.71	--	--	--	--	1	--	--	--	--	--	--
MH203	1130+49	11.0' RT		684.02	--	673.92	8.85	--	--	--	1	--	--	--	--	--	--	--
MH206	1132+32	11.0' RT		680.76	--	672.10	7.41	--	--	--	1	--	--	--	--	--	--	--
MH207	1132+33	11.2' RT		680.70	--	672.00	7.45	--	--	--	1	--	--	--	--	--	--	--
224	1132+63	45.9' RT		680.87	--	676.25	3.37	--	--	--	--	1	--	--	--	--	--	--
202	104GHC+42	7.0' LT		683.75	--	679.80	2.70	--	--	--	--	1	--	--	--	--	--	--
EX IN203	104GHC+42	3.4' RT		684.07	--	679.45	3.37	1	--	--	--	--	--	--	--	--	--	--
214	106GHC+56	12.3' LT		682.80	--	676.62	4.93	--	--	--	--	--	--	1	--	--	--	--
212	106GHC+57	7.0' LT		680.45	--	676.59	2.61	--	--	--	--	1	--	--	--	--	--	--
EX IN210	1132+65	46.5' LT		680.43	--	676.55	2.63	1	--	--	--	--	--	--	--	--	--	--
208	1132+65	7.4' LT		680.52	--	676.39	2.88	--	--	--	--	1	--	--	--	--	--	--
209	1132+64	2.6' RT		680.45	--	672.53	6.67	--	--	--	--	1	--	--	--	--	--	1
215	1133+14	57.0' LT		680.70	--	676.41	3.04	--	--	--	--	1	--	--	--	--	--	--
EX IN214	1133+14	47.8' LT		680.91	--	676.36	3.30	1	--	--	--	--	--	--	--	--	--	--
213	1133+15	5.6' LT		680.67	--	676.13	3.29	--	--	--	--	1	--	--	--	--	--	--
EX IN211	1124+50	13.0' LT		684.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX IN219	1122+10	13.0' LT		680.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MH216	1133+16	0.2' LT		680.64	--	673.00	6.39	--	--	--	1	--	--	--	--	--	--	--
230	108GHC+92	7.0' LT		684.12	--	681.10	1.77	--	--	--	--	1	--	--	--	--	--	--
EX IN231	1134+99	52.6' LT		684.23	--	681.00	1.98	1	--	--	--	--	--	--	--	--	--	--
236	111GHC+93	7.0' LT		689.20	--	685.00	2.95	--	--	--	--	1	--	--	--	--	--	--
237	113GHC+17	7.0' LT		689.70	--	686.00	2.45	--	--	--	--	1	--	--	--	--	--	--
226	113GHC+50	11.8' LT		691.00	--	686.26	3.49	--	--	--	--	--	--	1	--	--	--	--
238	113GHC+65	7.0' LT		690.25	--	686.42	2.58	--	--	--	--	1	--	--	--	--	--	--
239	113GHC+69	18.5' RT		691.13	--	686.65	3.23	--	--	--	--	--	1	--	--	--	--	--
240	1139+75	46.7' LT		690.69	--	686.97	2.47	--	--	--	--	--	--	--	--	1	--	--
217	113GHC+16	17.5' RT		690.50	--	686.45	2.80	--	--	--	1	--	--	--	--	--	--	--
242	116GHC+45	27.3' RT		700.56	--	696.12	3.19	--	--	--	--	--	1	--	--	--	--	--
I-43 SUBTOTALS							4	--	1	5	1	12	2	2	--	1	--	1
PROJECT 1228-16-71 TOTALS							4	2	3	7	1	13	9	3	1	1	3	1

STORM SEWER STRUCTURES (CONT.)

		611.2004	611.2005	611.2006	611.2007	611.3220	611.3225	611.3230	611.3901	611.8115	611.9900					
		MANHOLES	MANHOLES	MANHOLES	MANHOLES	INLETS	INLETS	INLETS	INLETS	ADJUSTING	DRAIN					
		4-FT	5-FT	6-FT	7-FT	2x2-FT	2x2.5-FT	2x3-FT	MEDIAN 1	INLET	SLOTTED					
STRUCTURE		DIAMETER	DIAMETER	DIAMETER		DIAMETER	DIAMETER	DIAMETER	GRATE	COVERS	VAIN					
NUMBER	STATION	OFFSET	FLANGE OR	EXISTING	LOWEST	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
W. GREEN TREE ROAD																
101	34GT+15	18.0' LT	682.35	--	675.50	5.60	--	--	--	--	--	--	--			
EX MH01	34GT+00	9.9' LT	681.74	680.13	664.62	15.87	--	--	--	--	--	--	--			
EX MH05	34GT+00	13.0' RT	681.69	680.14	671.30	9.14	--	--	--	--	--	--	--			
EX MH 08	32GT+30	20.8' RT	674.72	673.77	--	--	--	--	--	--	--	--	RECONSTRUCT TO ADD 15" OF RING DEPTH			
102	34GT+16	18.0' RT	682.40	--	676.00	5.15	--	--	--	--	--	--				
EX IN06	33GT+12	37.8' RT	677.05	676.25	--	--	--	--	--	--	--	1	--			
EX IN07	33GT+48	36.5' RT	678.02	676.91	--	--	--	--	--	--	--	--	--			
103	33GT+65	38.0' RT	677.93	--	671.58	5.10	--	--	--	--	1	--	--			
104	36GT+22	18.4' LT	694.35	--	690.00	3.10	--	--	--	--	1	--	--			
MH110	40GT+14	58.1' LT	700.50	--	693.17	6.08	1	--	--	--	--	--	--			
108	40GT+25	21.0' LT	701.65	--	692.85	7.55	--	--	--	--	1	--	--			
107	40GT+36	21.0' RT	701.50	--	690.50	9.75	--	--	--	--	--	--	--			
EX IN222	42GT+11	21.0' LT	700.51	700.59	--	--	--	--	--	--	--	1	--			
EX IN223	42GT+11	21.0' RT	700.51	700.68	--	--	--	--	--	--	--	1	--			
105	41GT+60	21.0' LT	700.09	--	696.04	2.80	--	--	--	--	1	--	--			
106	41GT+60	21.0' RT	700.08	--	695.00	4.08	--	--	--	--	1	--	--			
W. GREEN TREE ROAD SUBTOTALS							1	--	--	--	1	--	3	1	3	--
N. JEAN NICOLET ROAD SUBTOTALS																
114	12JN+60	16.0' LT	692.95	--	689.75	1.95	--	--	--	--	--	1	--	--	--	--
115	12JN+60	16.0' RT	692.93	--	689.68	2.00	--	--	--	--	--	1	--	--	--	--
EX IN116	102GHC+91	16.1' LT	692.93	--	689.20	2.48	--	--	--	--	--	--	--	--	--	--
N. JEAN NICOLET ROAD SUBTOTALS							--	--	--	--	--	1	1	--	--	--

STORM SEWER STRUCTURES (CONT.)

611.2004 611.2005 611.2006 611.2007 611.3220 611.3225 611.3230 611.3901 611.8115 611.9900																
MANHOLES 4-FT 5-FT 6-FT 7-FT INLETS 2x2-FT INLETS 2x2.5-FT INLETS 2x3-FT INLETS MEDIAN 1 ADJUSTING INLET DRAIN SLOTTED																
STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	DIAMETER EACH	DIAMETER EACH	DIAMETER EACH	DIAMETER EACH	DIAMETER EACH	DIAMETER EACH	DIAMETER EACH	GRATE EACH	COVERS EACH	VAIN EACH
I-43																
MH200	40GT+43	141.3' RT	699.05	--	674.63	23.17	--	--	1	--	--	--	--	--	--	--
MH201	1130+15	11.0' RT	685.08	--	674.09	9.74	--	--	1	--	--	--	--	--	--	--
205	1130+49	4.0' RT	683.71	--	677.75	4.71	--	--	--	--	1	--	--	--	--	--
MH203	1130+49	11.0' RT	684.02	--	673.92	8.85	--	1	--	--	--	--	--	--	--	--
MH206	1132+32	11.0' RT	680.76	--	672.10	7.41	--	--	1	--	--	--	--	--	--	--
MH207	1132+33	11.2' RT	680.70	--	672.00	7.45	--	--	--	1	--	--	--	--	--	--
224	1132+63	45.9' RT	680.87	--	676.25	3.37	--	--	--	--	1	--	--	--	--	--
202	104GHC+42	7.0' LT	683.75	--	679.80	2.70	--	--	--	--	1	--	--	--	--	--
EX IN203	104GHC+42	3.4' RT	684.07	--	679.45	3.37	--	--	--	--	--	--	--	--	--	--
214	106GHC+56	12.3' LT	682.80	--	676.62	4.93	--	--	--	--	--	--	1	--	--	--
212	106GHC+57	7.0' LT	680.45	--	676.59	2.61	--	--	--	--	1	--	--	--	--	--
EX IN210	1132+65	46.5' LT	680.43	--	676.55	2.63	--	--	--	--	--	--	--	--	--	--
208	1132+65	7.4' LT	680.52	--	676.39	2.88	--	--	--	--	1	--	--	--	--	--
209	1132+64	2.6' RT	680.45	--	672.53	6.67	--	--	--	--	--	--	--	--	--	--
215	1133+14	57.0' LT	680.70	--	676.41	3.04	--	--	--	--	1	--	--	--	--	--
EX IN214	1133+14	47.8' LT	680.91	--	676.36	3.30	--	--	--	--	--	--	--	--	--	--
213	1133+15	5.6' LT	680.67	--	676.13	3.29	--	--	--	--	1	--	--	--	--	--
EX IN211	1124+50	13.0' LT	684.61	--	--	--	--	--	--	--	--	--	--	--	--	3
EX IN219	1122+10	13.0' LT	680.02	--	--	--	--	--	--	--	--	--	--	--	--	3
MH216	1133+16	0.2' LT	680.64	--	673.00	6.39	--	1	--	--	--	--	--	--	--	--
230	108GHC+92	7.0' LT	684.12	--	681.10	1.77	--	--	--	--	1	--	--	--	--	--
EX IN231	1134+99	52.6' LT	684.23	--	681.00	1.98	--	--	--	--	--	--	--	--	--	--
236	111GHC+93	7.0' LT	689.20	--	685.00	2.95	--	--	--	--	1	--	--	--	--	--
237	113GHC+17	7.0' LT	689.70	--	686.00	2.45	--	--	--	--	1	--	--	--	--	--
226	113GHC+50	11.8' LT	691.00	--	686.26	3.49	--	--	--	--	--	--	1	--	--	--
238	113GHC+65	7.0' LT	690.25	--	686.42	2.58	--	--	--	--	1	--	--	--	--	--
239	113GHC+69	18.5' RT	691.13	--	686.65	3.23	--	--	--	--	--	1	--	--	--	--
240	1139+75	46.7' LT	690.69	--	686.97	2.47	--	--	--	--	1	--	--	--	--	--
217	113GHC+16	17.5' RT	690.50	--	686.45	2.80	--	--	--	--	1	--	--	--	--	--
242	116GHC+45	27.3' RT	700.56	--	696.12	3.19	--	--	--	--	--	1	--	--	--	--
I-43 SUBTOTALS							--	2	3	1	1	12	2	2	--	6
PROJECT 1228-16-71 TOTALS							1	2	3	1	2	13	6	3	3	6

STORM SEWER PIPES												
					608.0312	608.0315	608.0318	608.0324	608.0330	608.0336	608.0430	
					STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	
					PIPE	PIPE	PIPE	PIPE	PIPE	PIPE	PIPE	
					REINFORCED	REINFORCED	REINFORCED	REINFORCED	REINFORCED	REINFORCED	REINFORCED	
					CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	
					CLASS III	CLASS III	CLASS III	CLASS III	CLASS III	CLASS III	CLASS IV	
FROM	TO	INVERT	DISCH		12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	36-INCH	30-INCH	
STR	STR	FT	FT	SLOPE	LF	LF	LF	LF	LF	LF	LF	
W. GREEN TREE ROAD												
101	EX MH01	677.50	677.25	1.47%	--	17	--	--	--	--	--	
102	EX MH05	678.00	677.00	5.88%	--	17	--	--	--	--	--	
103	EX MH05	671.58	671.30	0.65%	--	43	--	--	--	--	--	
104	101	690.00	677.50	6.04%	--	207	--	--	--	--	--	
EX IN07	103	671.70	671.58	0.67%	--	18	--	--	--	--	--	
MH110	108	693.17	692.85	0.82%	--	--	39	--	--	--	--	
108	107	692.85	692.50	0.81%	--	--	43	--	--	--	--	
106	107	695.00	694.43	0.46%	--	--	124	--	--	--	--	
105	106	696.04	695.83	0.50%	--	--	42	--	--	--	--	
W. GREEN TREE SUBTOTALS					--	302	248	--	--	--	--	
N JEAN NICOLET ROAD												
114	115	689.75	689.59	0.50%	32	--	--	--	--	--	--	
115	EX IN116	689.59	689.20	2.79%	14	--	--	--	--	--	--	
N JEAN NICOLET ROAD SUBTOTALS					46	--	--	--	--	--	--	
I-43												
107	MH200	692.00	691.30	0.58%	--	--	--	121	--	--	--	
MH200	MH201	674.63	674.09	0.52%	--	--	--	--	--	--	103	
MH201	MH203	674.09	673.92	0.50%	--	--	--	--	34	--	--	
MH203	MH206	673.92	672.60	0.72%	--	--	--	--	--	--	183	
MH206	MH207	672.10	672.00	0.45%	--	--	--	--	--	22	--	
202	CC1	679.80	679.45	3.50%	10	--	--	--	--	--	--	
205	MH203	677.75	677.52	3.36%	--	7	--	--	--	--	--	
214	212	676.62	676.59	0.60%	--	5	--	--	--	--	--	
212	CC2	676.59	676.55	0.40%	--	10	--	--	--	--	--	
208	209	676.39	675.53	8.60%	--	10	--	--	--	--	--	
215	CC3	676.41	676.36	0.54%	--	9	--	--	--	--	--	
213	MH216	676.13	676.00	2.17%	--	6	--	--	--	--	--	
216	209	673.00	672.53	0.90%	--	--	--	--	--	52	--	
209	MH207	672.53	672.00	1.56%	--	--	--	--	--	34	--	
230	CC4	681.10	681.00	2.25%	--	4	--	--	--	--	--	
237	236	686.00	685.00	0.81%	--	123	--	--	--	--	--	
226	237	686.26	686.00	0.79%	--	33	--	--	--	--	--	
238	226	686.42	686.26	1.00%	--	16	--	--	--	--	--	
239	238	686.65	686.42	0.88%	--	26	--	--	--	--	--	
240	239	686.97	686.89	0.89%	9	--	--	--	--	--	--	
217	237	686.45	686.25	0.85%	24	--	--	--	--	--	--	
242	239	696.12	687.14	3.21%	280	--	--	--	--	--	--	
I-43 SUBTOTALS					323	250	--	121	34	108	286	
PROJECT 1228-16-71 TOTAL					369	552	248	121	34	108	286	

PIPE UNDERDRAIN					
ROADWAY	STRUCTURE NUMBER	STATION	OFFSET	209.0300.S	612.0406
				BACKFILL	PIPE
				COARSE	UNDERDRAIN
				AGGREGATE SIZE NO. 1	WRAPPED 6-INCH
				CY	LF
GOOD HOPE ON-RAMP	242	116GHC+45	27.3' RT	8	259
	239	113GHC+69	18.5' RT	9	283
	238	113GHC+70	6.9' LT	4	130
	237	113GHC+17	7.0' LT	2	56
	236	111GHC+93	7.0' LT	4	127
	230	108GHC+92	7.0' LT	9	304
	215	107GHC+07	7.0' LT	6	190
	212	106GHC+57	7.0' LT	8	272
	202	104GHC+42	7.0' LT	24	804
PROJECT 1228-16-71 TOTAL				74	2,425

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SIGNING -				1228-16-71 IH43 AT GREEN TREE RD AND GOOD HOPE RD												1228-16-71 IH43 AT GREEN TREE RD AND GOOD HOPE RD												
SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE			637.2210	637.2230	638.2602	638.3000	638.2102	634.0618	634.0816	MOUNT ON SAME POST AS SIGN #	REMARKS / SIGN LOCATION	TYPE I SIGN SIZE			638.2101	638.2601	638.3100	STEEL POST TYPE	636.0100	636.0500	635.0200	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
			W	x	H	SIGNS TYPE II REFLECTIVE H [SF]	SIGNS TYPE II REFLECTIVE F [SF]	REM SIGNS TYPE II [EA]	REM SMALL SIGN SUP [EA]	MOVING SIGNS TYPE II [EA]	WOOD POSTS 4" X 6" X 18' [EA]	POSTS TUBULAR STEEL 2" X 2" X 16' [EA]			W	x	H	MOVING SIGNS TYPE I [EA]	REM SIGNS TYPE I [EA]	REM STR STEEL SIGN SUP [EA]		SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	SIGN SUPPORTS STEEL REINF. [LBS]	SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1	R3-4 (2S)	SPEED LIMIT 25	24	X	24	4.000		1	1		1		4															
2	R5-6 (2S)		24	X	24	4.000		1	1																			
3	R1-1 (2S)		30	X	30	5.180		1	1																			
4	R7-1D (2S)		18	X	24	3.000		1	1																			
5	R2-1 (2S)		24	X	30	5.000																						
6	R5-2 (2S)	NOT USED	24	X	24	4.000		1	1		1			REMOVES NO TRUCKS PLAQUE ALSO														
7	NOT USED																											
8	R7-1D (2S)		18	X	24	3.000		1	1		1																	
9	R1-1 (2S)		30	X	30	5.180		1	1		1																	
10	R1-1 (2S)		30	X	30	5.180		1	1		1																	
11	R1-3P (2S)	TIME OF DAY SIGN	18	X	6	0.750						9	REMOVES END-OF-ROAD MARKER ALSO															
12	R1-3P (2S)		18	X	6	0.750						10																
13	R3-2 (2S)		24	X	24	4.000	1	1		1																		
13A				X		0.000			1			13																
14	R1-1 (2S)		30	X	30	5.180	1	1		1																		
14A	W5-56					1	1																					
15	R1-3P (2S)	6:30 AM TO 7:30 AM [...] JUNE 15	18	X	6	0.750		1	1				14															
15A	W5-56						3.000	1	1		1																	
16	W5-52R (2S)		12	X	36			1	1		1																	
16A	W5-56							1	1																			
17	R7-1R (2S)		18	X	24	3.000		1	1		1	1	13												MOUNT ABOVE R3-2; INCLUDE CLOTH FLAGS SHEET 3 OF 8			
18	W1-7 (2S)	48	X	24		8.000				1																		
19	SP							1		1																		
20	W5-52R (2S)	12	X	36		3.000	1	1		1																		
21	R7-1L (2S)	18	X	24	3.000		1	1			1																	
22	R7-1R (2S)		18	X	24	3.000		1	1		1		MOUNT ON LIGHT POLE															
23	R7-1D (2S)	18	X	24	3.000		1	1		1																		
24	R7-1D (2S)	18	X	24	3.000		1	1		1																		
25	R7-1D (2S)	18	X	24	3.000		1	1		1																		
26	R1-1 (2S)	30	X	30	5.180		1	1			1																	
27	R7-1R (2S)		18	X	24	3.000		1	1		1		MOUNT ON LIGHT POLE															
28	R7-1D (2S)	18	X	24	3.000		1																					
29	R7-1D (2S)	18	X	24	3.000		1	1		1																		
30	R7-1R (2S)	18	X	24	3.000		1																					
31	R7-1D (2S)	18	X	24	3.000		1	1			1																	
32	S4-51 (2S)	SCHOOL SPEED LIMIT 15	24	X	48		8.000	1	1		1																	
33	R7-1D (2S)		18	X	24	3.000		1	1		1																	
34	I2-3A (5)		66	X	30	13.750		1	2		2																	
35	R2-1 (5)		48	X	60	20.000		1			2																	
36	S5-2 (2S)		24	X	30	5.000						1																
37	R7-1D (2S)	SCHOOL SPEED LIMIT 15	18	X	24	3.000		1	1		1		38	SHEET 5 OF 8														
38	S1-1 (2S)		36	X	36		6.750																					
39	S16-9P (2S)		30	X	18		3.750																					
40	S4-5 (2S)		36	X	36		9.000																					
41	R2-6P (2S)		24	X	18	3.000																						
42	J4-1 (5)	IH 43	36	X	54	13.500		1	1		1		38	MOUNT FACING SOUTHBOUND INTERSTATE TRAFFIC														
	MB3-3		36	x	18																							
	M1-1		36	x	36																							
43	R7-1D (2S)		18	X	24	3.000		1	1		1																	
44	R7-1D (2S)	SPEED LIMIT 35	18	X	24	3.000		1	1		1																	
45	W6-3 (2S)		36	X	36		9.000																					
46	R2-1 (2S)		24	X	30	5.000		1	1																			
47	SP								1		1																	
48	M1-94 (MOD)		GREEN TREE RD 7000 NORTH	102	X	30	21.250		1																			

PROJECT NO: 1228-16-71	HWY: IH 43 GREEN TREE RD	COUNTY: MILWAUKEE	TYPE II SIGNING QUANTITIES	SHEET: 1 OF 2
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TYPE II SIGNING -														1228-16-71 IH43 AT GREEN TREE RD AND GOOD HOPE RD														1228-16-71 IH43 AT GREEN TREE RD AND GOOD HOPE RD													
SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W X H [IN.] x [IN.]			637.2210	637.2230	638.2602	638.3000	638.2102	634.0618	634.0816	MOUNT ON SAME POST AS SIGN #	REMARKS / SIGN LOCATION	TYPE I SIGN SIZE W X H [FT.] x [FT.]			638.2101	638.2601	638.3100	STEEL POST TYPE	636.0100	636.0500	635.0200	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR																
						SIGNS TYPE II REFLECTIVE H [SF]	SIGNS TYPE II REFLECTIVE F [SF]	REM SIGNS TYPE II [EA]	REM SMALL SIGN SUP [EA]	MOVING SIGNS TYPE II [EA]	WOOD POSTS 4" X 6" X 18' [EA]	TUBULAR STEEL 2" X 2" X 16' [EA]						MOVING SIGNS TYPE I [EA]	REM SIGNS TYPE I [EA]	REM STR STEEL SIGN SUP [EA]		SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	SIGN SUPPORTS STEEL REINF. [LBS]	SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]													
49	M1-94 (MOD)	GREEN TREE RD 7000 NORTH	102	X	30	21.250		1					MOUNT ON SIDE OF BRIDGE WITH BRACKETS INCIDENTAL TO SIGN SHEET 6 OF 8																												
50	D10-2	MILE 80						1	1																																
50A	D10-5 (5)	SOUTH IH 43 MILE 80 0	21	X	60	8.750		1	1		1																														
51	D10-2	MILE 80						1	1																																
51A	D10-5 (5)	NORTH IH 43 MILE 80 0	21	X	60	8.750		1	1		1																														
52	W3-8 (5)		48	X	48		16.000	1	1				52	MOUNT ON BEACON POLE; SHEET 8 OF 8 MOUNT ON BEACON POLE BELOW SIGN NO. 52																											
53	R3-59 (2S)		24	X	30	5.000																																			
54	R5-57 (5)		36	X	36	9.000		1	1		1																														
55	R10-6 (2S)		24	X	36	6.000		1																																	
56	R10-65R (2S)		24	X	30	5.000																																			
57	R10-6 (2S)		24	X	36	6.000		1					58	MOUNT ON SIGNAL POLE MOUNT ON SIGNAL POLE																											
58	R10-65L (2S)		24	X	30	5.000																																			
59	W4-2R (2S)		36	X	36		9.000	1	1		1																														
60	W4-2R (5)		48	X	48		16.000				1																														
61	E4-1a															1	1	2	B	1.6	98	1000																			
UNDISTRIBUTED						--			1			1	--	--	X									--	--	--	--														
TOTALS						256.400	91.500	49.000	45.000	3.000	17.000	28.000	--	--		1	1	2	0	1.6	98	1000																			

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FTMS EACH ITEM REMOVALS					
CATEGORY		1300			
ROADWAY	ITEM	204.0195	204.0210	204.9060.S.2000	653.0905
		REMOVING CONCRETE BASES EACH	REMOVING MANHOLES EACH	REMOVING RAMP CONTROL SIGNAL ASSEMBLY SIDEMOUNT EACH	REMOVING PULLBOXES EACH
IH 43	EXMH1112NB	--	1	--	--
	EXPB113	--	--	--	1
	EXPB114	--	--	--	1
	EXSB01	1	--	1	--
	EXPB115	--	--	--	1
	EXSB02	1	--	1	--
	TOTALS	2	1	2	3

FTMS LINEAR FOOT REMOVALS			
CATEGORY		1300	**p** 674.0300 REMOVE CABLE LF
ROADWAY	ITEM ID	LINEAR DISTANCE	
IH 43	EXMH1112NB - EXMH1143NB	3065	3065
	EXMH1143NB - EXMH1143SB	190	190
	EXMH1143SB - EXMH116GH	140	140
	EXMH116GH - EX-HUB-40-0011	25	25
	EX-CB-RM-40-0023 - EXPB117	10	10
	EXPB117 - EXPB115	30	30
	EXPB115 - EXSB02	10	10
	EXPB115 - EXSB114	50	50
	EXSB114 - EXSB01	10	10
	EXPB114 - EXPB113	25	25
	EXPB113 - EXPB1142SB	50	50
	EXPB1142SB - EXDP1142SB	10	10
	EXPB114 - EXPB119	300	300
	EXPB119 - EXRG119	10	10
	EXPB119 - EXPB120	50	50
	EXPB120 - EXPB121	30	30
	EXPB121 - EX-CCTV-40-0080	10	10
TOTALS		4015	

FTMS LUMP SUM ITEMS				
CATEGORY		1300		
ROADWAY	LOCATION	670.0100	670.0200	678.0500
		FIELD SYSTEM INTEGRATOR LS	ITS DOCUMENTATION LS	COMMUNICATION SYSTEM TESTING LS
IH 43	IH 43	1	1	1
TOTALS		1	1	1

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FTMS EACH ITEMS AND VAULTS											
CATEGORY		1300									
		657.0420									
		652.0700.S	653.0140	654.0101	657.0100	657.0420	658.0172	658.0173	673.0105	678.0300	678.0400
		INSTALL	PULL BOXES	CONCRETE	PEDESTAL	STANDARDS	TRAFFIC	TRAFFIC	COMMUNICATION	FIBER	FIBER
		CONDUIT	STEEL	BASES	BASES	ALUMINUM	SIGNAL	SIGNAL	VAULT TYPE 1	OPTIC	OPTIC
		INTO EXISTING	24X42-INCH	TYPE 1	BASES	13-FT	FACE 2S	FACE 3S	ITEM	SPLICE	TERMINATION
ROADWAY	ITEM ID	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
IH 43	EXMH1112NB	1	--	--	--	--	--	--	--	72	--
	CV1130NB	--	--	--	--	--	--	--	1	--	--
	CV1134NB	--	--	--	--	--	--	--	1	--	--
	CV1142NB	--	--	--	--	--	--	--	1	--	--
	EXMH1143NB	1	--	--	--	--	--	--	--	--	--
	EXMH1143SB	1	--	--	--	--	--	--	--	--	--
	PB117	--	1	--	--	--	--	--	--	--	--
	SB117	--	--	1	1	1	1	1	--	--	--
	PB116	--	1	--	--	--	--	--	--	--	--
	SB116	--	--	1	1	1	1	1	--	--	--
	EXPB1142SB	1	--	--	--	--	--	--	--	--	--
	EXPB117	1	--	--	--	--	--	--	--	--	--
	EXPB119	1	--	--	--	--	--	--	--	--	--
	PB114	--	1	--	--	--	--	--	--	--	--
	PB1138SB	--	1	--	--	--	--	--	--	--	--
	EX-HUB-40-0011	--	--	--	--	--	--	--	--	--	72
	EXDP1142SB	--	--	--	--	--	--	--	--	--	--
TOTALS		6	4	2	2	2	2	2	3	72	72

FTMS LINEAR FOOT ITEMS											
CATEGORY	1300		**p**	**p**	**p**	**p**	**p**		**p**		**p**
			652.0225	655.0210	655.0240	655.0510	655.0700		671.0132	671.0300	678.0072
			CONDUIT RIGID	CABLE	CABLE	ELECTRICAL	LOOP		CONDUIT HDPE	FIBER	INSTALL FIBER
			NONMETALLIC	TRAFFIC	TRAFFIC	WIRE	DETECTOR		DIRECTIONAL BORE	OPTIC	OPTIC CABLE
			SCHEDULE 40	SIGNAL	SIGNAL	TRAFFIC SIGNALS	LEAD IN	671.0132	3-DUCT 2-INCH	CABLE	OUTDOOR
ROADWAY	ITEM ID	LINEAR	2-INCH	3-14 AWG	7-14 AWG	12 AWG	CABLE	3-DUCT 2-INCH	3-DUCT 2-INCH	MARKER	PLANT 72-CT
		DISTANCE	LF	LF	LF	LF	LF	LF	LF	EA	LF
IH 43	EXMH1112NB - CV1130NB	1800	--	--	--	1800	--	1800	--	3	1900
	CV1130NB - CV1134NB	385	--	--	--	385	--	--	385	2	485
	CV1134NB - CV1142NB	870	--	--	--	870	--	870	--	2	970
	CV1142NB - EXMH1143NB	150	--	--	--	150	--	--	150	1	250
	EXMH1143NB - EXMH1143SB	190	--	--	--	190	--	--	--	1	290
	EXMH1143SB - EXMH116GH	135	--	--	--	135	--	--	--	--	235
	EXMH116GH - EX-HUB-40-0011	25	--	--	--	25	--	--	--	--	125
	EX-CB-RM-40-0023 - EXPB117	10	--	10	10	10	50	--	--	--	--
	EXPB117 - PB116	30	60	30	30	30	150	--	--	--	30
	PB116 - PB117	50	100	50	50	50	250	--	--	--	50
	PB116 - SB116	10	20	--	10	--	--	--	--	--	--
	PB117 - EXPB1142SB	55	110	--	--	55	--	--	--	--	55
	EXPB1142SB - EXDP1142SB	10	--	--	--	10	--	--	--	--	10
	PB117 - EXPB119	285	570	570	--	285	--	--	--	--	--
	EXPB119 - EXRG119	10	--	10	--	10	--	--	--	--	--
TOTALS			860	670	100	4005	450	2670	535	9	4255

CATEGORY 1100
LIGHTING - REMOVALS

- 204.0195 REMOVING CONCRETE BASES
- 653.0905 REMOVING PULL BOXES
- SPV.0060.1001 LAMP DISPOSAL HIGH INTENSITY DISCHARGE
- SPV.0060.1002 LIGHTING UNITS SALVAGED

SYSTEM	LOCATION	OFFSET	204.0195 REMOVING CONCRETE BASES	653.0905 REMOVING PULL BOXES	SPV.0060.1001 LAMP DISPOSAL HIGH INTENSITY DISCHARGE	SPV.0060.1002 LIGHTING UNITS SALVAGED	COMMENTS
			EACH	EACH	EACH	EACH	
HL-40-GH	1124+63.77	53.24' LT	1	--	1	1	--
HL-40-GH	1126+00.00	56.00' LT	--	1	--	--	--
HL-40-GH	1127+69.52	55.83' LT	1	--	1	1	--
HL-40-GH	1142+31.66	144.28' LT	1	--	1	1	--
TOTAL (1100)			3	1	3	3	

CATEGORY 1100
LIGHTING - CONDUIT AND WIRE
240/480 VAC 3-WIRE ISOLATED NEUTRAL SYSTEM

652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
652.0615 CONDUIT SPECIAL 3-INCH
655.0620 ELECTRICAL WIRE LIGHTING 8 AWG

			P	**P**	**P**	COMMENTS
SYSTEM	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0615 CONDUIT SPECIAL 3-INCH	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG	
			LF	LF	LF	
HL-40-GH	BGH61	AGH60	--	--	860	USE EXISTING CONDUIT
HL-40-GH	AGH60	LPB111	70	--	320	INTERCEPT EXISTING CONDUIT AT THE BASE
HL-40-GH	LPB111	LPB112	--	120	520	--
HL-40-GH	LPB112	BGH63	150	--	640	--
HL-40-GH	BGH63	AGH64	220	--	920	--
HL-40-GH	AGH64	STUBOUT NORTH	25	--	--	--
HL-40-GH	HGH86	GGH87	170	--	720	INTERCEPT EX. CONDUIT FROM HGH86 AND EXTEND TO GGH87
HL-40-GH	GGH87	LPB108	--	70	240	USE EXISTING PULL BOX
HL-40-GH	LPB108	HGH88	--	--	960	--
TOTAL (1100)			635	190	5,180	

CATEGORY 1100
LIGHTING - PULL BOXES

653.0140	PULL BOXES STEEL 24 X 42-INCH				
655.0615	ELECTRICAL WIRE LIGHTING 10 AWG (GROUNDING WIRE)				
P					
SYSTEM	LOCATION	LABEL	653.0140	655.0615	COMMENTS
			PULL	ELECTRICAL	
			BOXES	WIRE	
			STEEL	LIGHTING	
			24X42	10 AWG	
			INCH		
			EACH	LF	
HL-40-GH	1123+18.49, 62.80' RIGHT	LPB111	1	70	--
HL-40-GH	1123+18.51, 56.37' LEFT	LPB112	1	140	--
TOTAL (1100)			2	210	

CATEGORY 1100
LIGHTING - FINAL UNITS

654.0108	CONCRETE BASES TYPE 8				
655.0610	ELECTRICAL WIRE LIGHTING 12 AWG				
P					
SYSTEM	STATION	OFFSET	654.0108 CONCRETE BASES TYPE 8	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	COMMENTS
			EACH	L.F.	
HL-40-GH	1124+63.50	61.24' LT	1	189	SALVAGED LIGHTING UNIT
HL-40-GH	1126+90.87	61.95' LT	1	189	"
HL-40-GH	1142+39.18	128.79' LT	1	144	SALVAGED LIGHTING UNIT
TOTAL (1100)			3	522	

CATEGORY 1100
LIGHTING - SYSTEMS
240/480 VAC 3-WIRE

SPV.0105.1001 MAINTENANCE OF LIGHTING SYSTEMS

SYSTEM	LOCATION	SPV.0105.1001 MAINTENANCE OF LIGHTING SYSTEMS
		LS
HL-40-GH	SE QUADRANT OF GOOD HOPE RD AND IH 43	1
TOTAL (1100)		1

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD-83 (2007) ADJUSTMENT (IN US SURVEY FEET). COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

DETAIL (N.T.S.)

LOT 1
CSM 4957
R.2109 1.1578

PARCEL 1
CSM 5808
R.2974 1.644

PARCEL 2
CSM 5808
R.2974 1.644

LOT 2
CSM 4957
R.2109 1.1578

LOT 3
CSM 4957
R.2109 1.1578

LOT 4
CSM 4957
R.2109 1.1578

LOT 5
CSM 4957
R.2109 1.1578

LOT 6
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R.2109 1.1578

LOT 7
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LOT 95
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LOT 97
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R.2109 1.1578

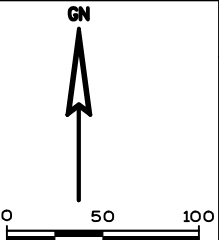
LOT 98
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R.2109 1.1578

LOT 99
CSM 4957
R.2109 1.1578

LOT 100
CSM 4957
R.2109 1.1578

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TLE (ACRES)
				NEW	EXISTING	TOTAL	
1	ANR GLENDALE HOTEL 2, LLC	PLE, TLE	1.113	-	-	-	0.034
2	ANR PNC, LLC	TLE	0.677	-	-	-	0.014
4	Patricia C. Condon	TLE	0.399	-	-	-	0.041
5	Nicolet High School District	FEE, TLE	2.011	-	0.171	0.171	0.092
6	General Capital/LaMacchia Shores, LLC	PLE	5.416	-	-	-	0.158

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



R/W PROJECT NUMBER
1228-16-22

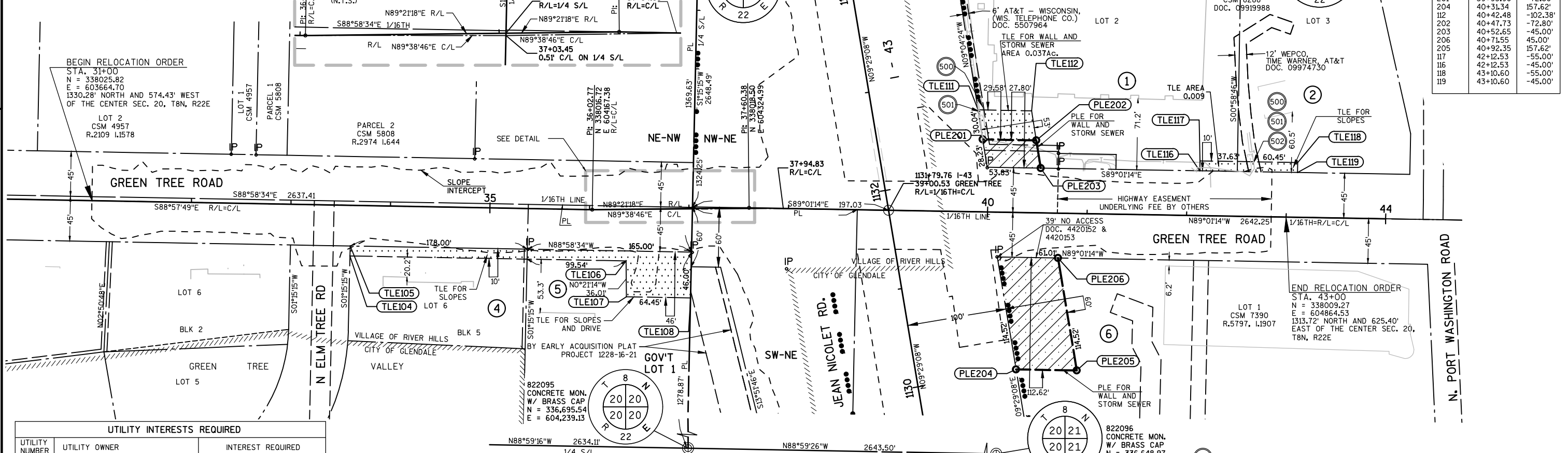
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NUMBER

4.1

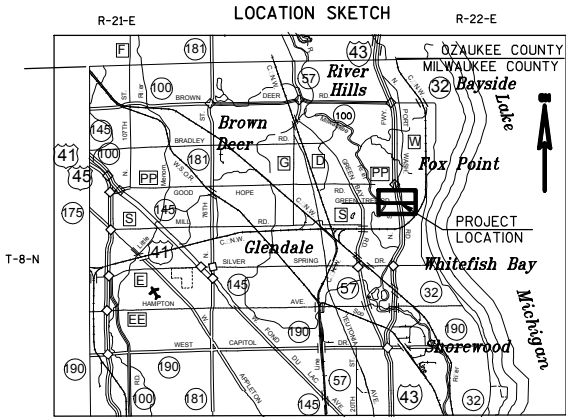
PLAT OF RIGHT OF WAY REQUIRED FOR
I-43 NORTH - SOUTH FREEWAY
GREEN TREE ROAD BRIDGE B-40-0149
MILWAUKEE COUNTY

FOR ACCESS CONTROL
SEE DOC. 10024078 - VACATION ORDER 118.
ALTERNATE ACCESS CONTROLS REMAIN IN PLACE ON THIS SEGMENT OF HIGHWAY. THIS PORTION OF USH 141 IS NOW A DESIGNATED FREEWAY AND ACCESS IS CONTROLLED UNDER STATUTE 84.295. THIS SEGMENT OF HIGHWAY IS ALSO PART OF IH 43 WITH ACCESS BEING CONTROLLED UNDER STATUTE 84.29.

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
104	33+60.22	50.89'
105	33+60.26	40.89'
107	36+36.07	87.84'
106	36+36.25	51.83'
108	37+00.49	89.72'
111	39+88.65	-102.38'
201	39+93.90	-72.80'
204	40+31.34	157.62'
112	40+42.48	-102.38'
202	40+47.73	-72.80'
203	40+52.65	-45.00'
206	40+71.55	45.00'
205	40+92.35	157.62'
117	42+12.53	-55.00'
116	42+12.53	-45.00'
118	43+10.60	-55.00'
119	43+10.60	-45.00'



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
500	AT&T WISCONSIN	RELEASE OF RIGHTS
501	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
502	TIME WARNER CABLE	RELEASE OF RIGHTS



CONVENTIONAL UTILITY SYMBOLS	
WATER	—
GAS	—
TELEPHONE	—
OVERHEAD	—
TRANSMISSION LINES	—
ELECTRIC	—
CABLE TELEVISION	—
FIBER OPTIC	—
SANITARY SEWER	—
STORM SEWER	—
CURVE DATA	
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL ABBREVIATIONS	
ACCESS RIGHTS	AR
ACRES	AC
ALUMINUM	ALUM
AND OTHERS	ET AL
BACK	BACK
BLK	BLK
C/L	C/L
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CONC	CONC
CO	CO
CTH	CTH
DIST	DIST
COR	COR
DOC	DOC
COUNTY	COUNTY
COUNTY TRUNK HIGHWAY	CTH
DISTANCE	DIST
CORNER	COR
DOCUMENT NUMBER	DOC
EASEMENT	EASE
EXISTING	EXIST
GAS VALVE	GV
GRID NORTH	GN
HIGHWAY EASEMENT	HE
IDENTIFICATION	ID
LAND CONTRACT	LC
LEFT	LEFT
MONUMENT	MON
NATIONAL GEODETIC SURVEY	NGS
NUMBER	NO
OUTLOT	OL
PAGE	PAGE
POINT OF TANGENCY	PT
PERMANENT LIMITED EASEMENT	PLE
POINT OF BEGINNING	POB
POINT OF CURVATURE	PC
POINT OF COMPOUND CURVE	POC
POINT OF INTERSECTION	PI
PROPERTY LINE	PL
RECORDED AS REEL / IMAGE	RECORDED AS REEL / IMAGE
REFERENCE LINE	REF
REMAINING	REMAINING
RESTRICTIVE DEVELOPMENT	RDE
EASEMENT	EASEMENT
RIGHT	RIGHT
RIGHT OF WAY	R/W
SECTION	SECTION
SEPTIC VENT	SEPV
SECTION LINE	S/L
SQUARE FEET	SF
STATE TRUNK HIGHWAY	STH
STATION	STA
TELEPHONE PEDESTAL	TP
TEMPORARY LIMITED EASEMENT	TLE
TRANSPORTATION PROJECT	TPP
UNITED STATES HIGHWAY	USH
VOLUME	V
CONVENTIONAL SYMBOLS	
SECTION LINE	—
QUARTER LINE	—
SIXTEENTH LINE	—
NEW REFERENCE LINE	—
NEW R/W LINE	—
EXISTING R/W OR HE LINE	—
PROPERTY LINE	—
LOT, TIE & OTHER MINOR LINES	—
SLOPE INTERCEPT	—
CORPORATE LIMITS	—
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	—
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	—
TEMPORARY LIMITED EASEMENT AREA	—
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	—
TRANSMISSION STRUCTURES	—
BUILDING TO BE REMOVED	—
BRIDGE	—
SECTION CORNER SYMBOL	—
SECTION CORNER MONUMENT	—
GEODETIC SURVEY MONUMENT	—
SIGN	—
R/W MONUMENT (TO BE SET)	—
NON-MONUMENTED R/W POINT	—
FOUND IRON PIN (1/4 INCH UNLESS NOTED)	—
OFF-PREMISE SIGN	—
COMPENSABLE	—
NON-COMPENSABLE	—
ELECTRIC POLE	—
TELEPHONE POLE	—
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	—
ACCESS RESTRICTED BY ACQUISITION	—
NO ACCESS (BY STATUTORY AUTHORITY)	—
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	—
NO ACCESS (NEW HIGHWAY)	—
PARCEL NUMBER	—
UTILITY NUMBER	—
PARALLEL OFFSETS	—

ORIGINAL PLANS PREPARED BY

KAPUR & ASSOCIATES
CONSULTING ENGINEERS
414.751.7288

GARY D. SCHNEIDER
S-1297
West Bend
Wisconsin

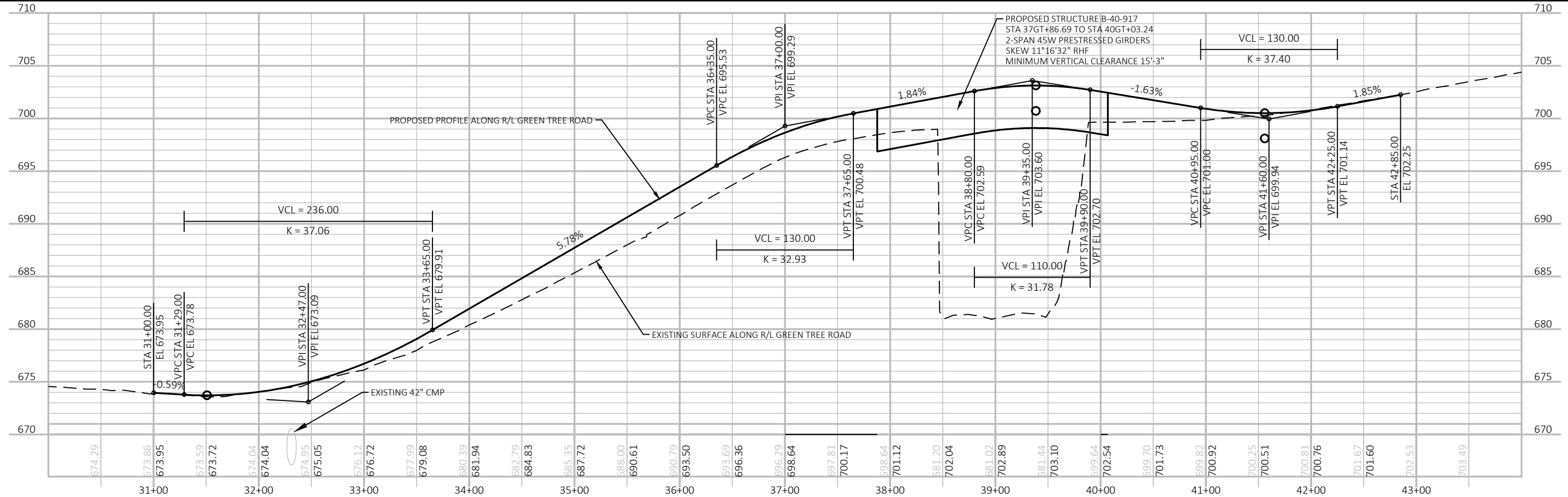
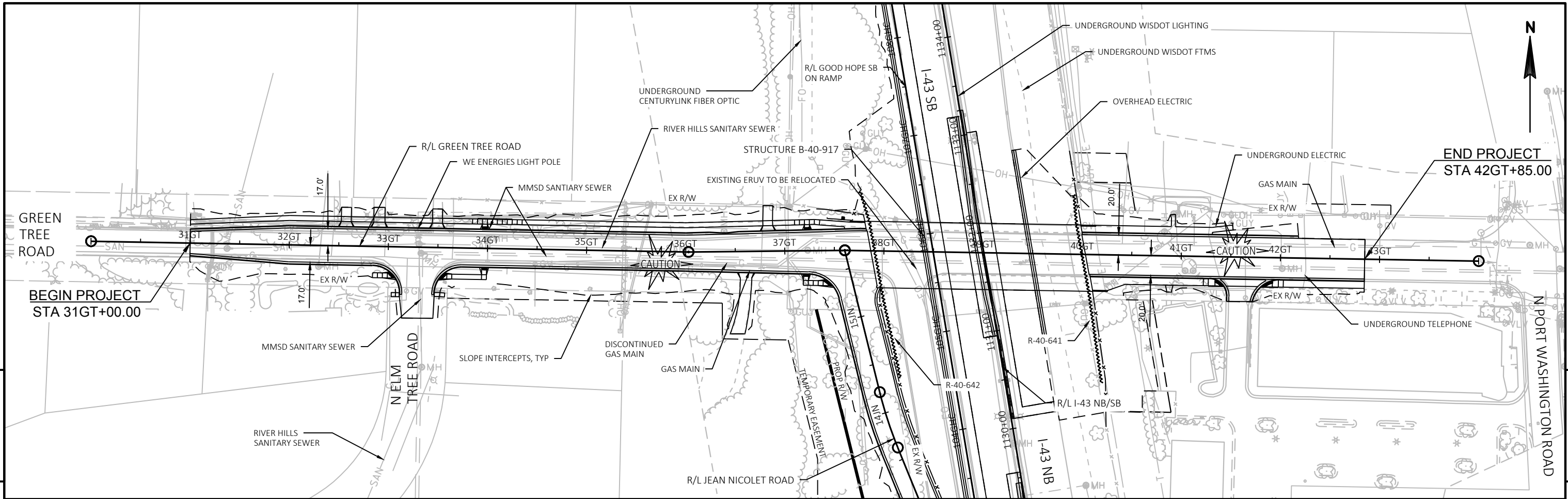
July 20, 2017
(Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: _____
(Signature)



PROJECT NO: 1228-16-71

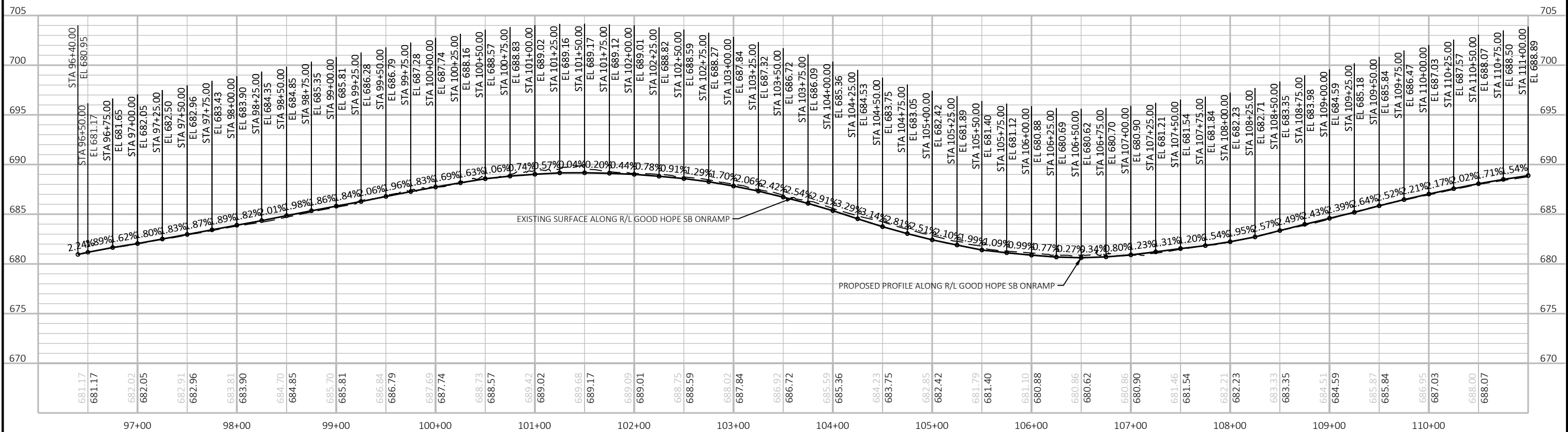
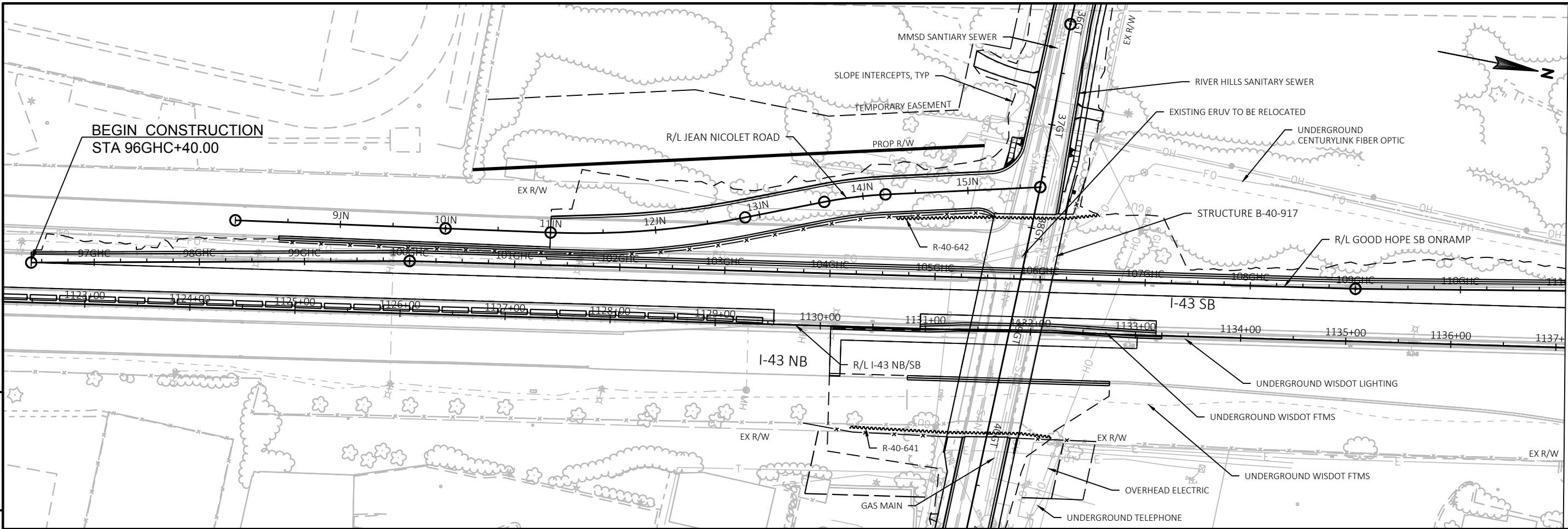
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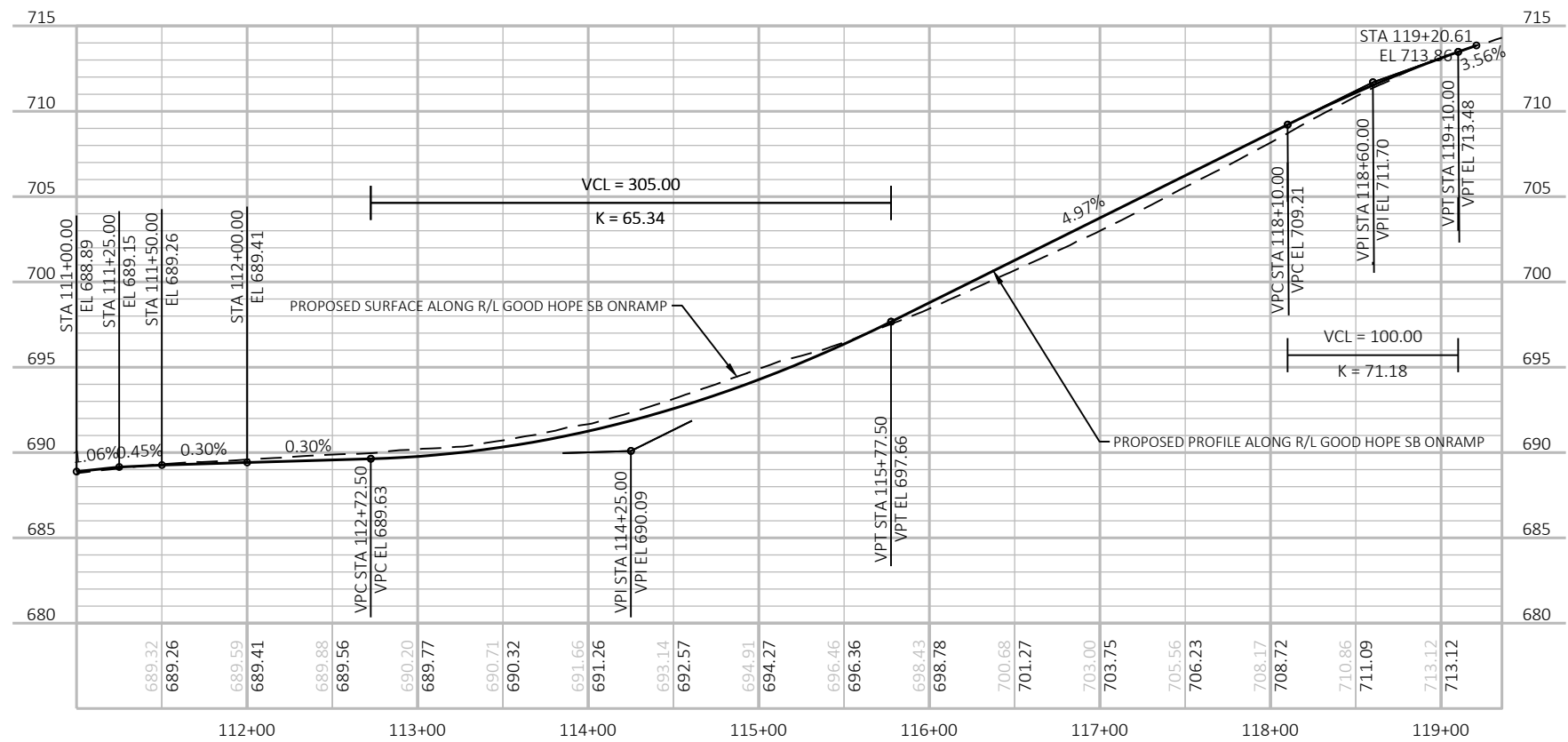
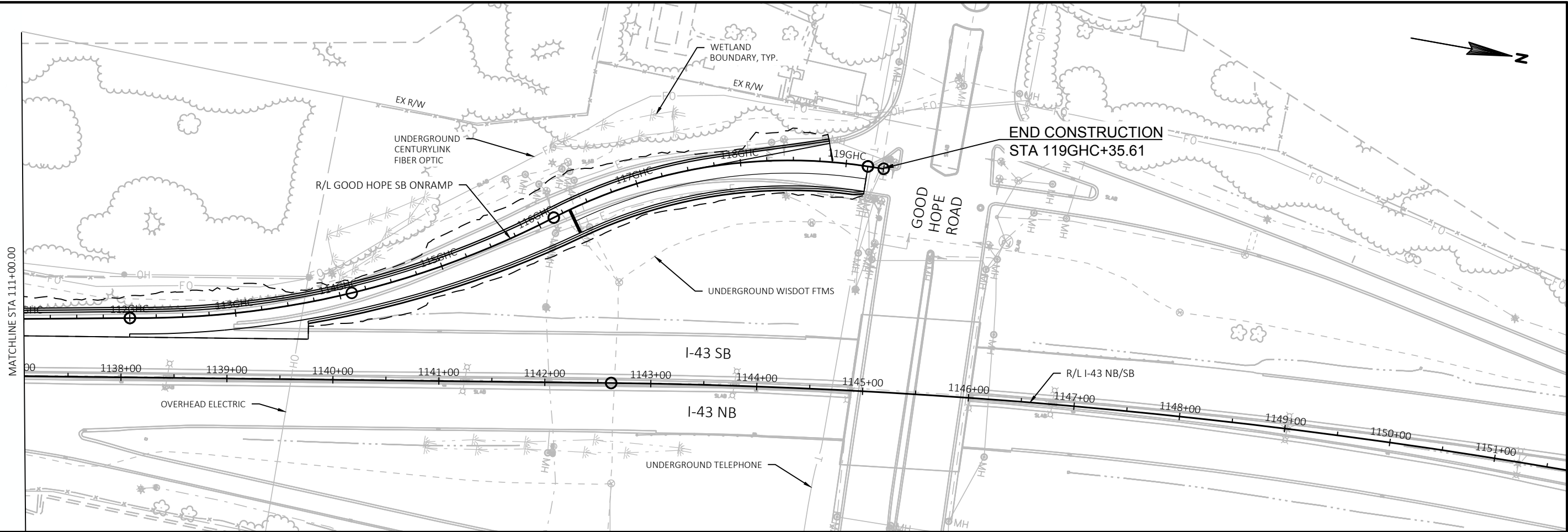
COUNTY: MILWAUKEE

PLAN AND PROFILE: GREEN TREE ROAD

SHEET

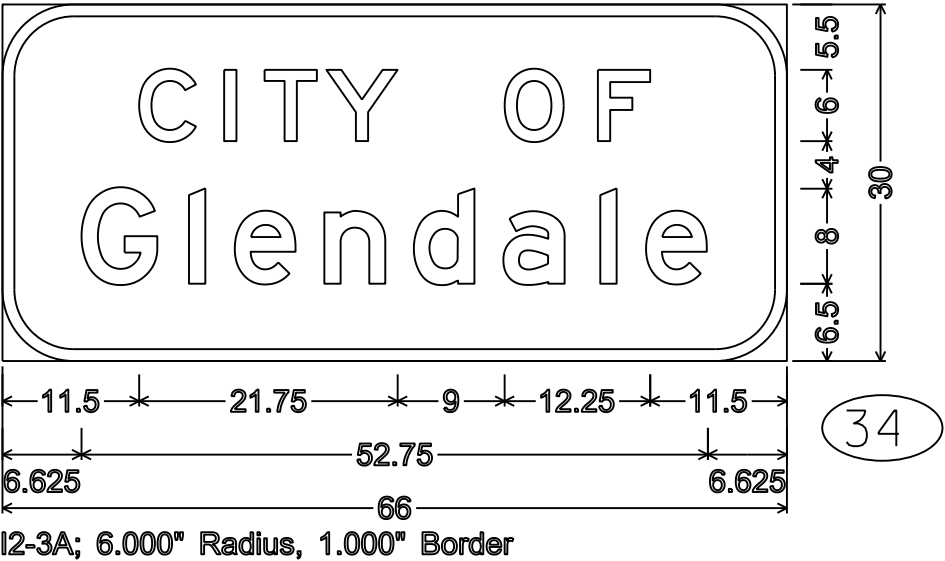
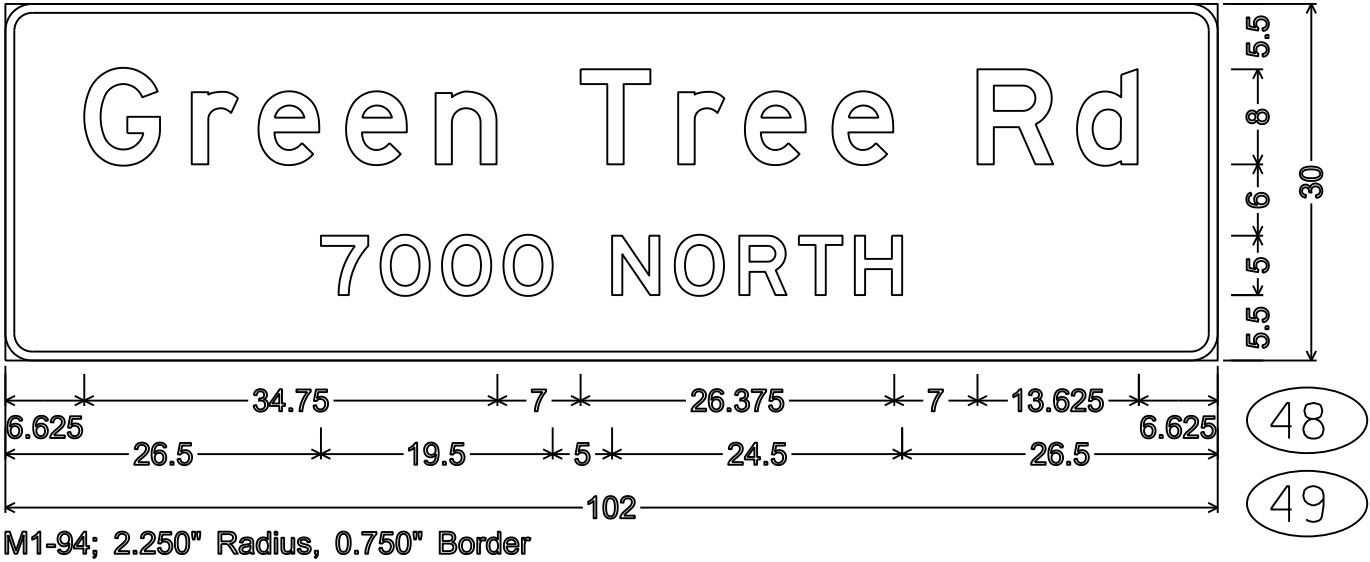
E





NOTES

- 1. All Signs Type II - Type H Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E



Project ID: 1228-16-71
Division 1: Green Tree Road

STATION	Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate	
		Cut	Fill	Cut	EBS	Fill	Cut	Fill		
31+00	AH	0	54.20	0.66	0.00	0.00	0.00	0	0	0
31+50		50	53.00	12.00	99.26	0.00	11.72	99.3	11.7	88
32+00		50	59.62	9.78	104.28	0.00	20.17	203.5	31.9	172
32+50		50	48.49	10.65	100.10	0.00	18.92	303.6	50.8	253
32+58		8	48.41	9.74	14.36	0.00	3.02	318.0	53.8	264
33+00		42	37.74	6.36	67.01	0.00	12.52	385.0	66.3	319
33+50		50	24.77	5.70	57.88	0.00	11.17	442.9	77.5	365
34+00		50	12.39	32.16	34.41	0.00	35.06	477.3	112.6	365
34+50		50	9.05	74.37	19.85	0.00	98.64	497.1	211.2	286
35+00		50	0.00	125.96	8.38	0.00	185.49	505.5	396.7	109
35+50		50	0.00	122.58	0.00	0.00	230.13	505.5	626.8	-121
36+00		50	0.00	113.75	0.00	0.00	218.82	505.5	845.7	-340
36+50		50	3.48	162.38	3.22	0.00	255.68	508.7	1,101.3	-593
36+60		10	2.45	169.32	1.10	0.00	61.43	509.8	1,162.8	-653
36+85		25	1.57	115.25	1.86	0.00	131.75	511.7	1,294.5	-783
37+00		15	0.00	116.95	0.44	0.00	64.50	512.1	1,359.0	-847
37+50	50	0.33	100.65	0.31	0.00	201.48	512.4	1,560.5	-1,048	
37+89	BK	39	0.33	100.65	0.48	0.00	145.38	512.9	1,705.9	-1,193
					512.92	0.00	1,705.87			

Project ID: 1228-16-71
Division 1: Jean Nicolet Road

STATION	Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	EBS	Fill	Cut	Fill	
8+42 AH	0	5.66	5.66	0	0	0	0	0	0
8+50	8	5.51	5.63	1.7	0.0	1.7	1.7	1.7	0
9+00	50	5.49	6.39	10.2	0.0	11.1	11.8	12.8	-1
9+50	50	5.62	4.72	10.3	0.0	10.3	22.1	23.1	-1
10+00	50	5.56	3.25	10.4	0.0	7.4	32.5	30.5	2
10+50	50	5.54	2.63	10.3	0.0	5.4	42.8	35.9	7
11+00	50	5.90	0.55	10.6	0.0	2.9	53.3	38.9	14
11+50	50	52.45	0.79	54.0	0.0	1.2	107.4	40.1	67
12+00	50	55.58	37.65	100.0	0.0	35.6	207.4	75.7	132
12+50	50	39.80	21.82	88.3	0.0	55.1	295.7	130.8	165
13+00	50	42.12	1.25	75.9	0.0	21.4	371.6	152.1	219
13+50	50	53.27	1.21	88.3	0.0	2.3	459.9	154.4	306
14+00	50	80.79	0.37	124.1	0.0	1.5	584.0	155.9	428
14+50	50	102.93	0.00	170.1	0.0	0.3	754.1	156.2	598
15+00 BK	50	46.73	1.70	138.6	0.0	1.6	892.7	157.8	735
				892.7	0.0	157.8			

Project ID: 1228-16-71
Division 2: Green Tree Road

STATION	Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	EBS	Fill	Cut	Fill	
40+06 AH		0.00	71.65	0.00	0.00	0.00	0	0	0
40+50	44	0.00	71.65	0.00	0.00	116.76	0.0	116.8	-117
41+00	50	12.25	3.67	11.34	0.00	69.74	11.3	186.5	-175
41+50	50	77.78	0.00	83.36	0.00	3.40	94.7	189.9	-95
42+00	50	74.24	0.00	140.76	0.00	0.00	235.5	189.9	46
42+50	50	66.09	0.00	129.94	0.00	0.00	365.4	189.9	175
42+85 BK	35	58.40	0.00	80.69	0.00	0.00	446.1	189.9	256
				446.09	0.00	189.90			

Project ID: 1228-16-71
Division 3: IH-43 Median and NB Outside Shoulder

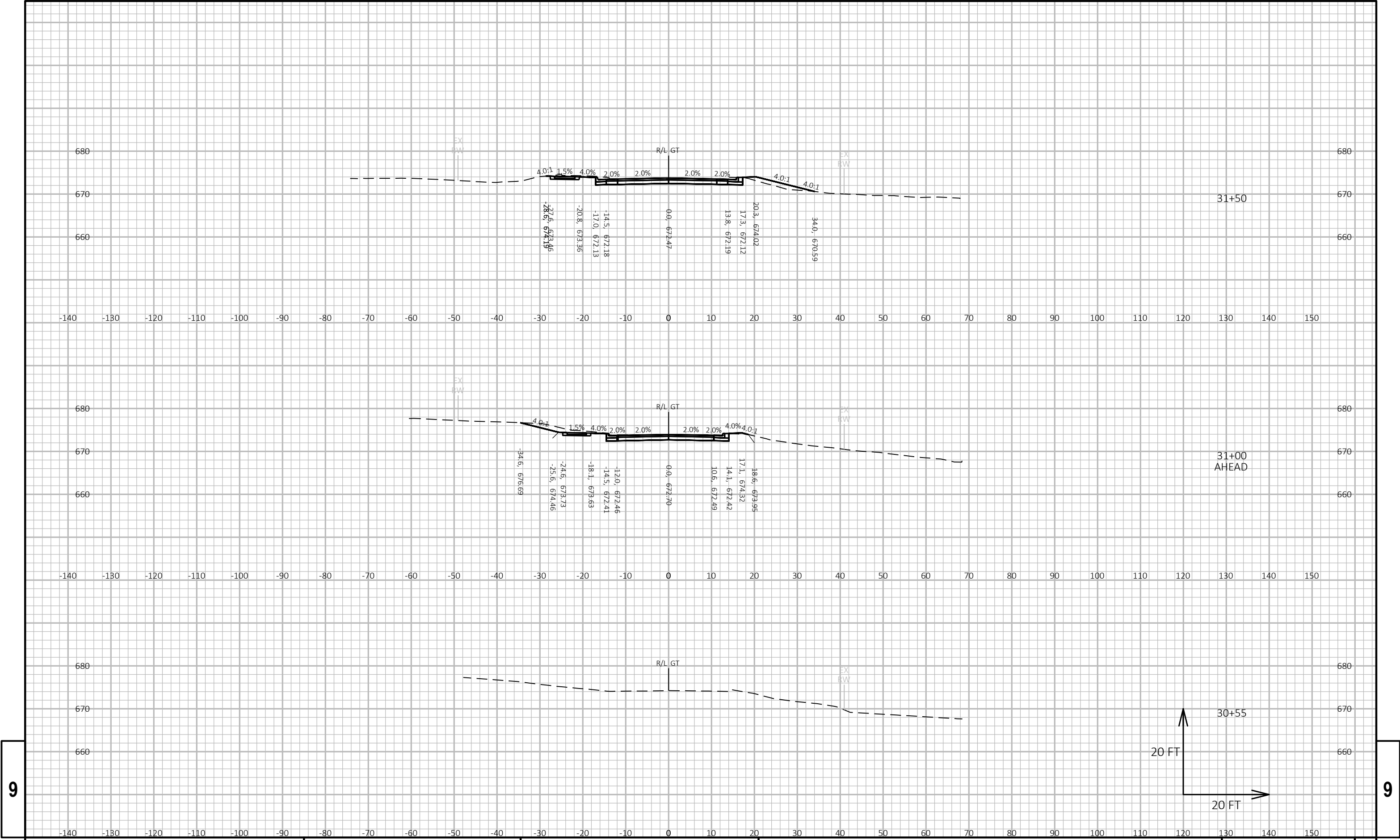
STATION	Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	EBS	Fill	Cut	Fill	
1120+45	AH	0	14.00	0.00	0.0	0.0	0.0	0.0	0.0
1120+50		5	14.07	0.00	2.6	0.3	2.6	0.0	3
1120+75		25	14.19	0.00	13.1	1.3	15.7	0.0	16
1121+00		25	14.15	0.00	13.1	1.3	28.8	0.0	29
1121+25		50	13.10	0.00	25.2	2.5	54.0	0.0	54
1121+50		25	13.20	0.00	12.2	1.2	66.2	0.0	66
1121+75		25	13.10	0.00	12.2	1.2	78.4	0.0	78
1122+00		25	13.79	0.00	12.4	1.2	90.8	0.0	91
1122+25		25	15.36	0.00	13.5	1.3	104.3	0.0	104
1122+50		25	14.54	0.00	13.8	1.4	118.2	0.0	118
1122+75		25	13.31	0.00	12.9	1.3	131.1	0.0	131
1123+00		25	13.43	0.00	12.4	1.2	143.4	0.0	143
1123+25		25	13.83	0.00	12.6	1.3	156.1	0.0	156
1123+50		25	13.97	0.00	12.9	1.3	168.9	0.0	169
1123+75		25	13.99	0.00	12.9	1.3	181.9	0.0	182
1124+00		25	14.03	0.00	13.0	1.3	194.9	0.0	195
1124+25		25	13.96	0.00	13.0	1.3	207.8	0.0	208
1124+50		25	13.27	0.00	12.6	1.3	220.4	0.0	220
1124+75		25	14.37	0.00	12.8	1.3	233.2	0.0	233
1125+00		25	15.99	0.00	14.1	1.4	247.3	0.0	247
1125+25		25	15.41	0.00	14.5	1.5	261.8	0.0	262
1125+50		25	16.31	0.00	14.7	1.5	276.5	0.0	276
1125+75		25	14.27	0.00	14.2	1.4	290.7	0.0	291
1126+00		25	14.32	0.00	13.2	1.3	303.9	0.0	304
1126+25		25	14.30	0.00	13.3	1.3	317.1	0.0	317
1126+50		25	14.35	0.00	13.3	1.3	330.4	0.0	330
1126+75		25	14.90	0.00	13.5	1.4	343.9	0.0	344
1127+00		25	14.29	0.00	13.5	1.4	357.5	0.0	357
1127+25		25	13.95	0.00	13.1	1.3	370.5	0.0	371
1127+50		25	14.16	0.00	13.0	1.3	383.5	0.0	384
1127+75		25	14.21	0.00	13.1	1.3	396.7	0.0	397
1128+00		25	15.45	0.00	13.7	1.4	410.4	0.0	410
1128+25		25	11.97	0.00	12.7	1.3	423.1	0.0	423
1128+50		25	12.18	0.00	11.2	1.1	434.3	0.0	434
1128+75		25	12.40	0.00	11.4	1.1	445.7	0.0	446
1129+00		25	12.14	0.00	11.4	1.1	457.0	0.0	457
1129+25		25	12.40	0.00	11.4	1.1	468.4	0.0	468
1129+50		25	13.04	0.00	11.8	1.2	480.2	0.0	480
1129+56	BK	6	13.15	0.00	2.7	0.3	482.9	0.0	483

Project ID: 1228-16-71
Division 3: IH-43 Median and NB Outside Shoulder

STATION	Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	EBS	Fill	Cut	Fill	
1130+32	77	50.74	0.00	0.0	0.0	0.0	0.0	0.0	0.0
1130+50	18	177.85	0.00	75.8	7.6	0.0	75.8	0.0	76
1130+75	25	267.49	0.00	206.2	20.6	0.0	281.9	0.0	282
1131+00	25	283.89	0.00	255.3	25.5	0.0	537.2	0.0	537
1131+25	25	302.76	0.00	271.6	27.2	0.0	808.8	0.0	809
1131+50	25	289.92	0.00	274.4	27.4	0.0	1,083.2	0.0	1,083
1132+00	50	215.88	0.00	468.3	46.8	0.0	1,551.5	0.0	1,552
1132+25	25	48.62	1.54	122.5	12.2	0.7	1,674.0	0.7	1,673
1132+50	25	42.34	9.07	42.1	4.2	4.9	1,716.1	5.6	1,710
1132+76	26	48.70	0.00	43.8	4.4	4.4	1,759.9	10.0	1,750
1133+00	24	32.34	0.00	36.0	3.6	0.0	1,796.0	10.0	1,786
1133+19	19	13.99	0.00	16.6	1.7	0.0	1,812.6	10.0	1,803
				2,295.5	229.5	10.0			

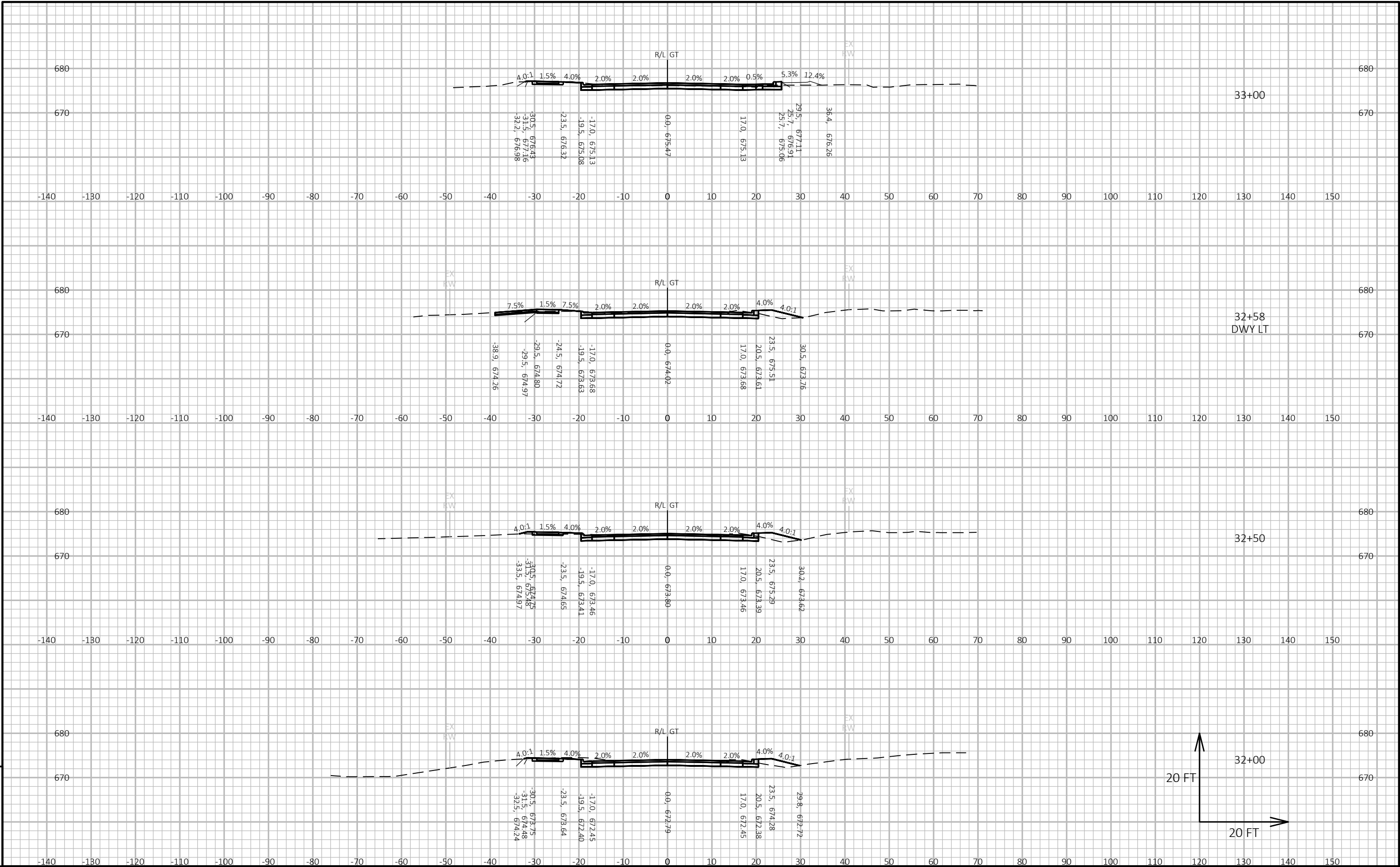
Project ID: 1228-16-71
Division 3: Good Hope Road Southbound Entrance Ramp

STATION	Distance	Area (SF)			Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Structure Backfill (for Barrier S42C) TON	Mass Ordinate
		Cut	Fill	Structure Backfill (for Barrier S42C)	Cut	EBS	Fill	Structure Backfill (for Barrier S42C)	Cut	Fill	Structure Backfill (for Barrier S42C)		
96+50	AH	0	26.74	0.00	0	0	0	0	0	0	0	0	0
97+00		50	36.20	0.00	0	58.3	5.8	0.0	0.0	58.3	0.0	0	58
97+50		50	37.32	0.00	0	68.1	6.8	0.0	0.0	126.4	0.0	0	126
98+00		50	40.69	3.69	0	72.2	7.2	3.4	0.0	198.6	3.4	0	195
98+50		50	43.47	7.60	0	77.9	7.8	10.5	0.0	276.5	13.9	0	263
99+00		50	46.70	9.55	0	83.5	8.3	15.9	0.0	360.0	29.8	0	330
99+50		50	49.24	9.45	0	88.8	8.9	17.6	0.0	448.8	47.3	0	401
100+00		50	49.93	6.77	0	91.8	9.2	15.0	0.0	540.7	62.4	0	478
100+50		50	54.02	5.22	0	96.3	9.6	11.1	0.0	636.9	73.5	0	563
101+00		50	59.41	1.82	0	105.0	10.5	6.5	0.0	741.9	80.0	0	662
101+50		50	65.49	0.00	0	115.6	11.6	1.7	0.0	857.6	81.7	0	776
102+00		50	69.45	0.00	8	124.9	12.5	0.0	14.8	982.5	81.7	14.8	901
102+50		50	83.47	0.00	8	141.6	14.2	0.0	14.8	1,124.1	81.7	29.6	1,042
103+00		50	115.47	0.00	8	184.2	18.4	0.0	14.8	1,308.3	81.7	44.4	1,227
103+50		50	162.74	0.00	8	257.6	25.8	0.0	14.8	1,565.9	81.7	59.3	1,484
104+00		50	236.99	0.00	8	370.1	37.0	0.0	14.8	1,936.0	81.7	74.1	1,854
104+50		50	331.01	0.00	8	525.9	52.6	0.0	14.8	2,462.0	81.7	88.9	2,380
105+00		50	717.98	0.00	8	971.3	97.1	0.0	14.8	3,433.3	81.7	103.7	3,352
105+50		50	784.46	0.00	8	1,391.1	139.1	0.0	14.8	4,824.4	81.7	118.5	4,743
106+00		50	805.39	0.00	8	1,472.1	147.2	0.0	14.8	6,296.5	81.7	133.3	6,215
106+50		50	275.77	0.00	8	1,001.1	100.1	0.0	14.8	7,297.6	81.7	148.1	7,216
107+00		50	234.19	0.00	8	472.2	47.2	0.0	14.8	7,769.8	81.7	163.0	7,688
107+50		50	59.72	4.24	8	272.1	27.2	3.9	14.8	8,041.9	85.6	177.8	7,956
108+00		50	61.98	5.42	8	112.7	11.3	8.9	14.8	8,154.6	94.5	192.6	8,060
108+50		50	60.24	4.67	8	113.2	11.3	9.3	14.8	8,267.7	103.9	207.4	8,164
109+00		50	58.37	8.69	8	109.8	11.0	12.4	14.8	8,377.6	116.3	222.2	8,261
109+50		50	61.73	14.26	8	111.2	11.1	21.3	14.8	8,488.8	137.5	237.0	8,351
110+00		50	64.00	28.79	8	116.4	11.6	39.9	14.8	8,605.2	177.4	251.9	8,428
110+50		50	65.95	30.16	8	120.3	12.0	54.6	14.8	8,725.5	231.9	266.7	8,494
111+00		50	66.06	12.80	8	122.2	12.2	39.8	14.8	8,847.7	271.7	281.5	8,576
111+50		50	72.17	7.11	8	128.0	12.8	18.4	14.8	8,975.7	290.2	296.3	8,686
112+00		50	75.92	10.75	8	137.1	13.7	16.5	14.8	9,112.9	306.7	311.1	8,806
112+50		50	85.50	17.41	8	149.5	14.9	26.1	14.8	9,262.3	332.8	325.9	8,930
113+00		50	99.26	11.22	8	171.1	17.1	26.5	14.8	9,433.4	359.3	340.7	9,074
113+50		50	118.74	0.35	8	201.9	20.2	10.7	14.8	9,635.2	370.0	355.6	9,265
114+00		50	92.78	1.88	8	195.9	19.6	2.1	14.8	9,831.1	372.1	370.4	9,459
114+50		50	96.68	5.21	0	175.4	17.5	6.6	0.0	10,006.5	378.6	370.4	9,628
115+00		50	109.64	0.76	0	191.0	19.1	5.5	0.0	10,197.6	384.1	370.4	9,813
115+50		50	108.71	1.77	0	202.2	20.2	2.3	0.0	10,399.7	386.5	370.4	10,013
116+00		50	89.83	2.55	0	183.8	18.4	4.0	0.0	10,583.6	390.5	370.4	10,193
116+50		50	95.07	2.02	0	171.2	17.1	4.2	0.0	10,754.8	394.7	370.4	10,360
117+00		50	100.50	1.96	0	181.1	18.1	3.7	0.0	10,935.9	398.4	370.4	10,537
117+50		50	107.21	2.03	0	192.3	19.2	3.7	0.0	11,128.2	402.1	370.4	10,726
118+00		50	112.78	1.10	0	203.7	20.4	2.9	0.0	11,331.9	405.0	370.4	10,927
118+50		50	136.80	0.00	0	231.1	23.1	1.0	0.0	11,563.0	406.0	370.4	11,157
119+00	BK	50	84.34	0.00	0	204.8	20.5	0.0	0.0	11,767.7	406.0	370.4	11,362
					11,767.7	1,176.5	406.0	370.4				741	



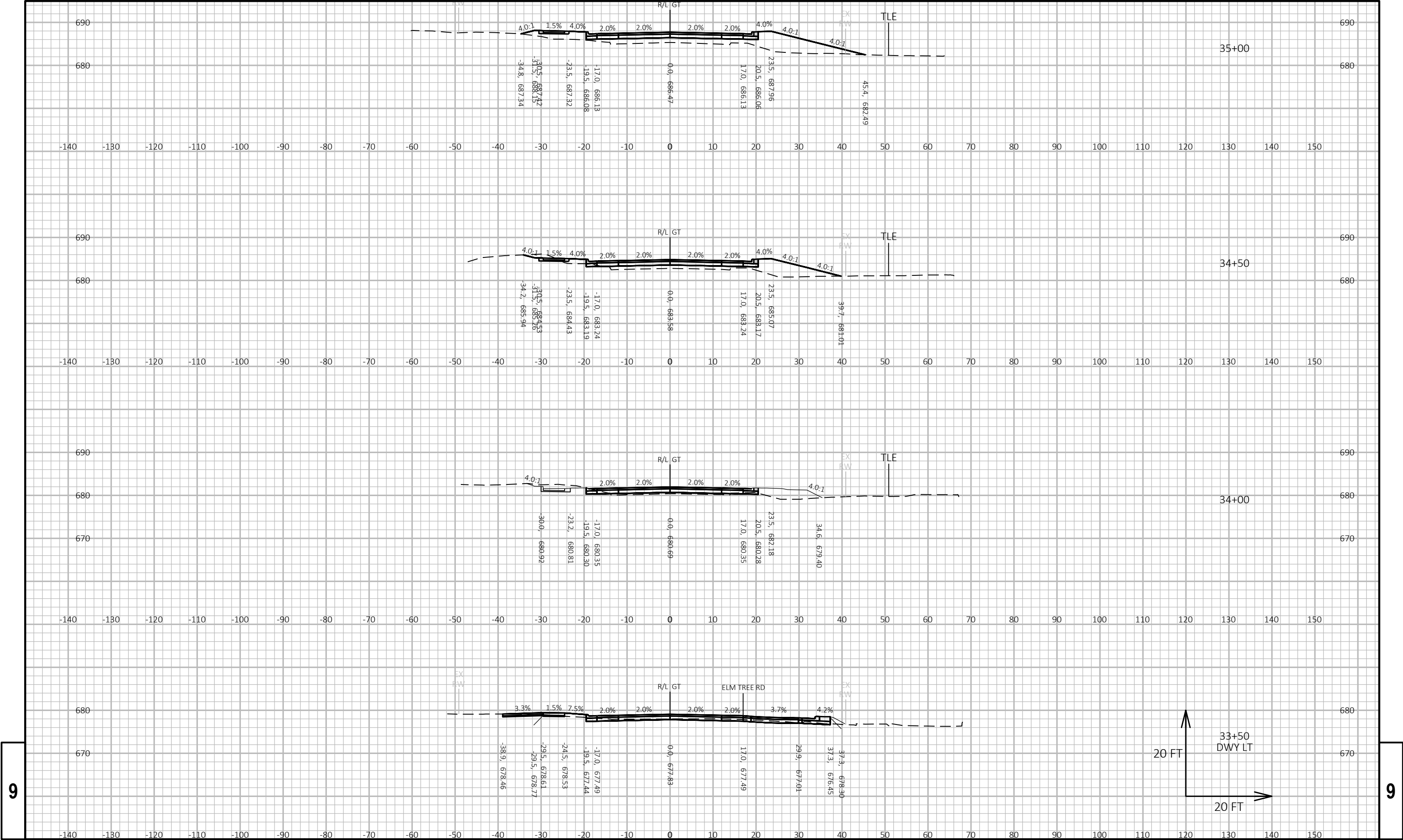
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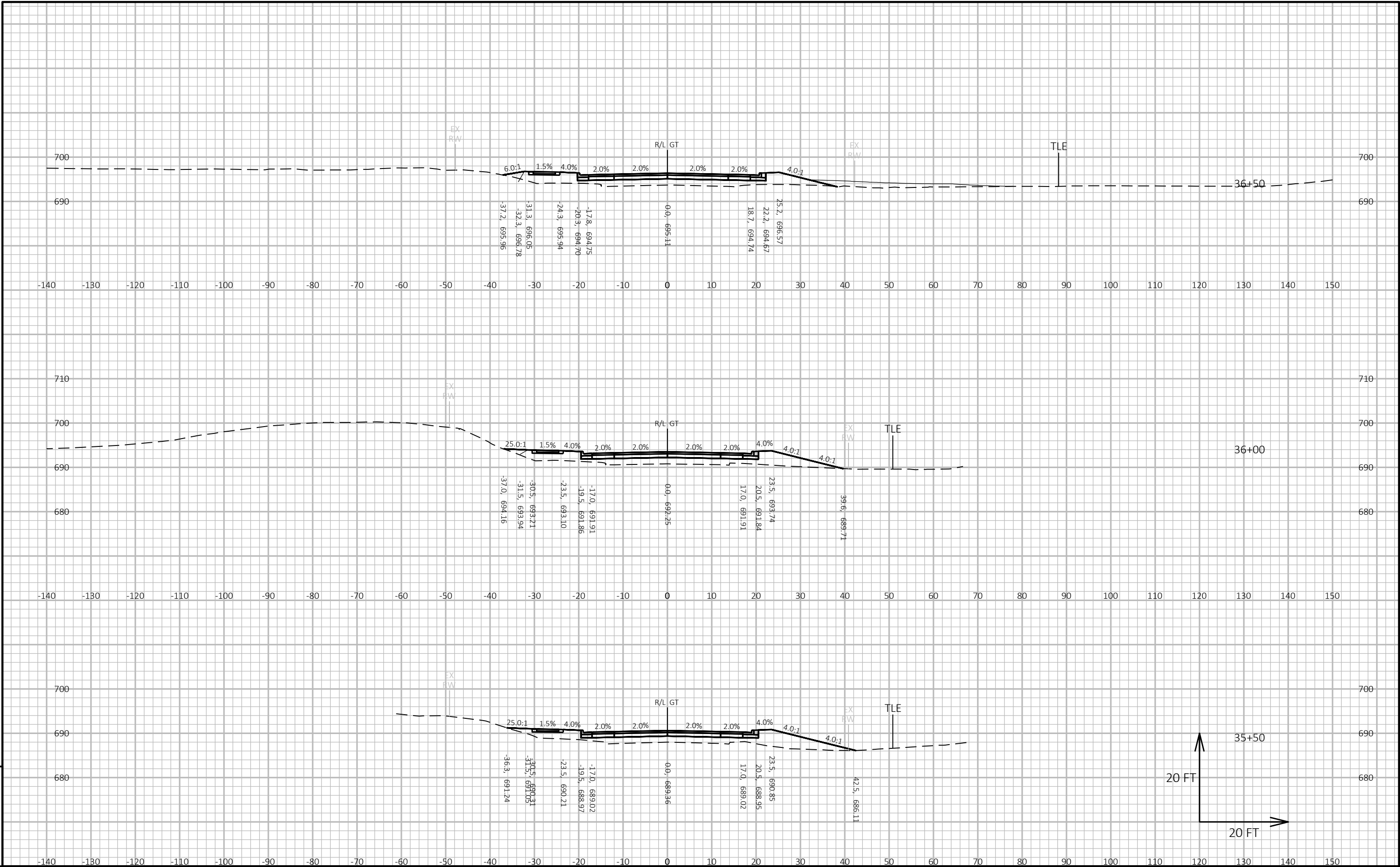
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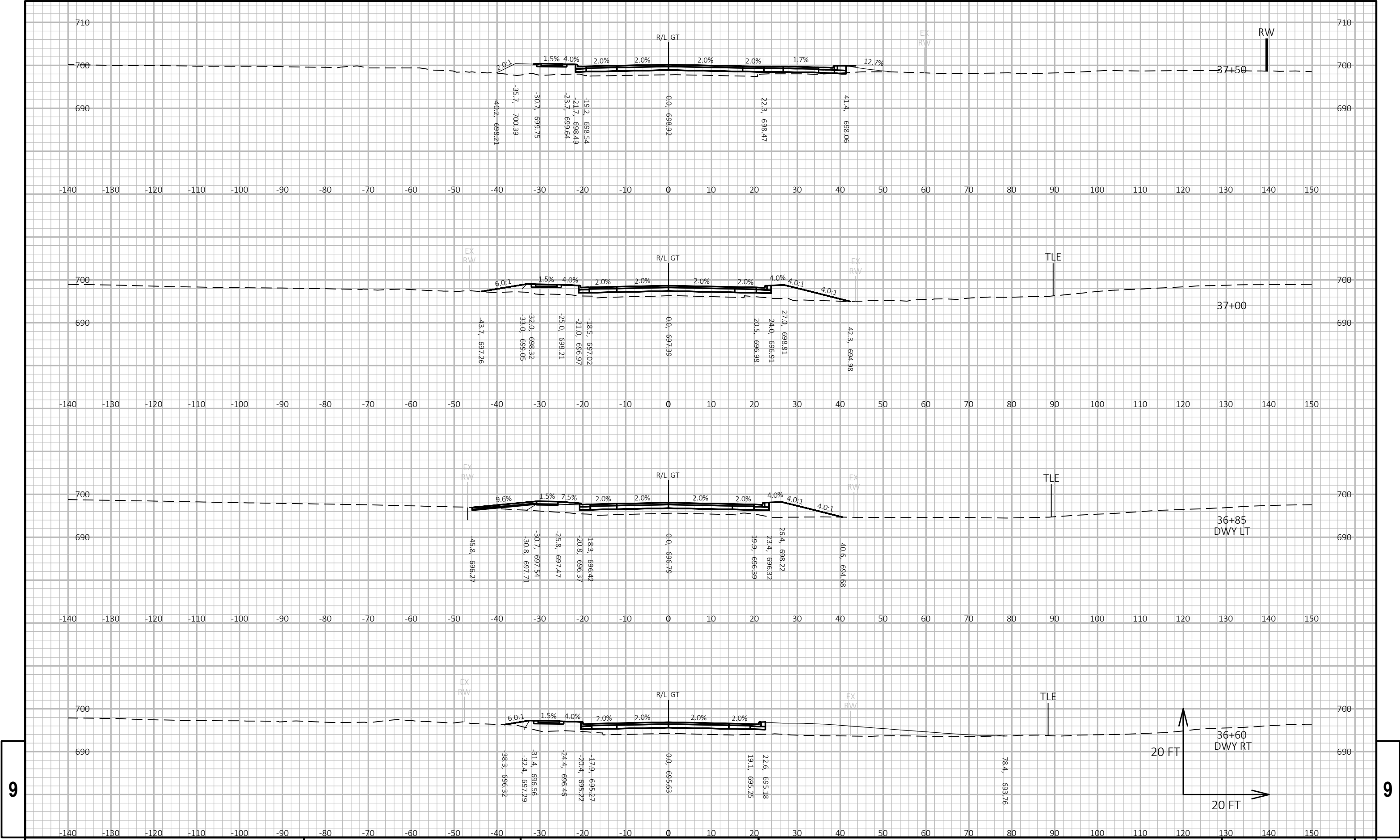
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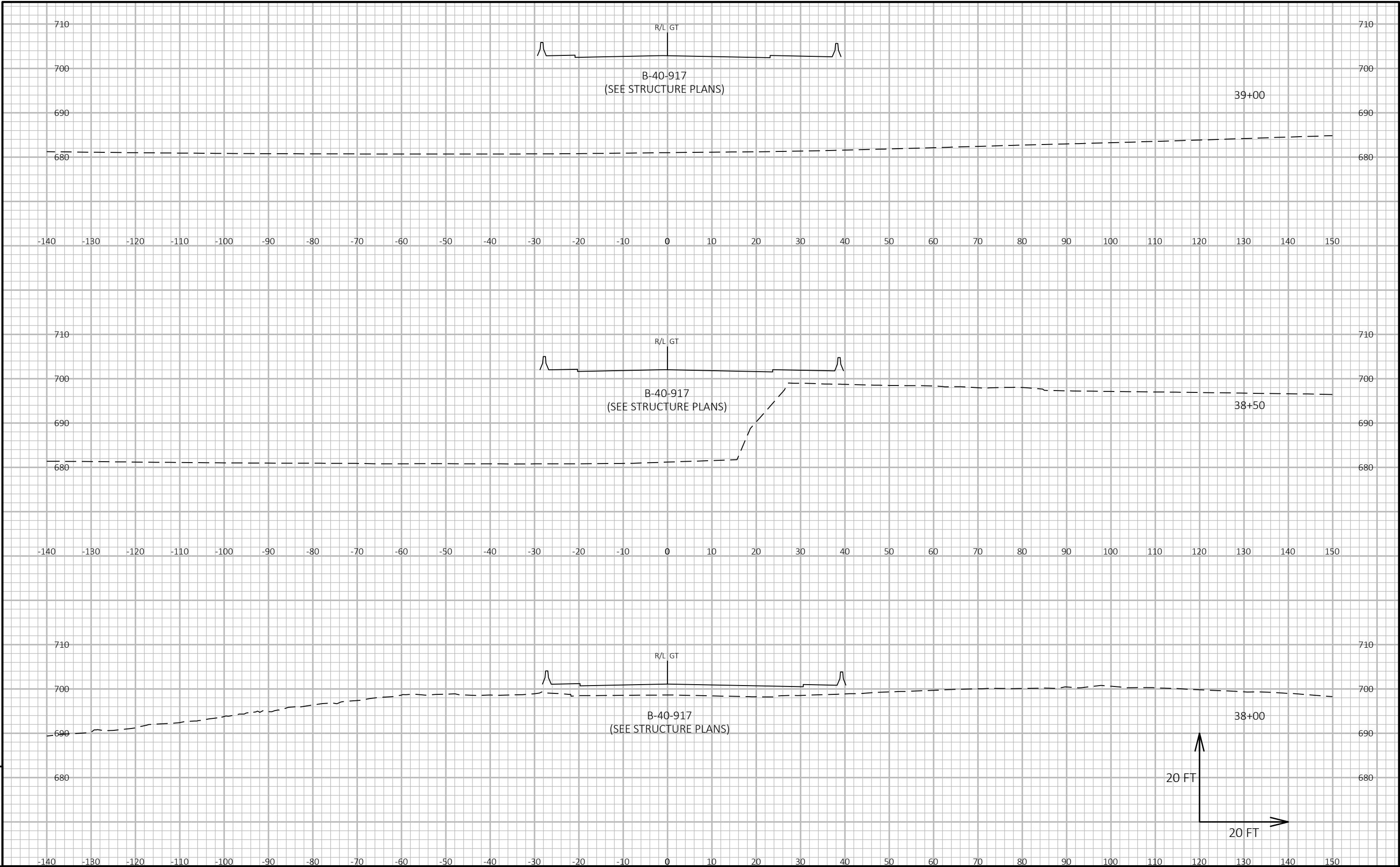
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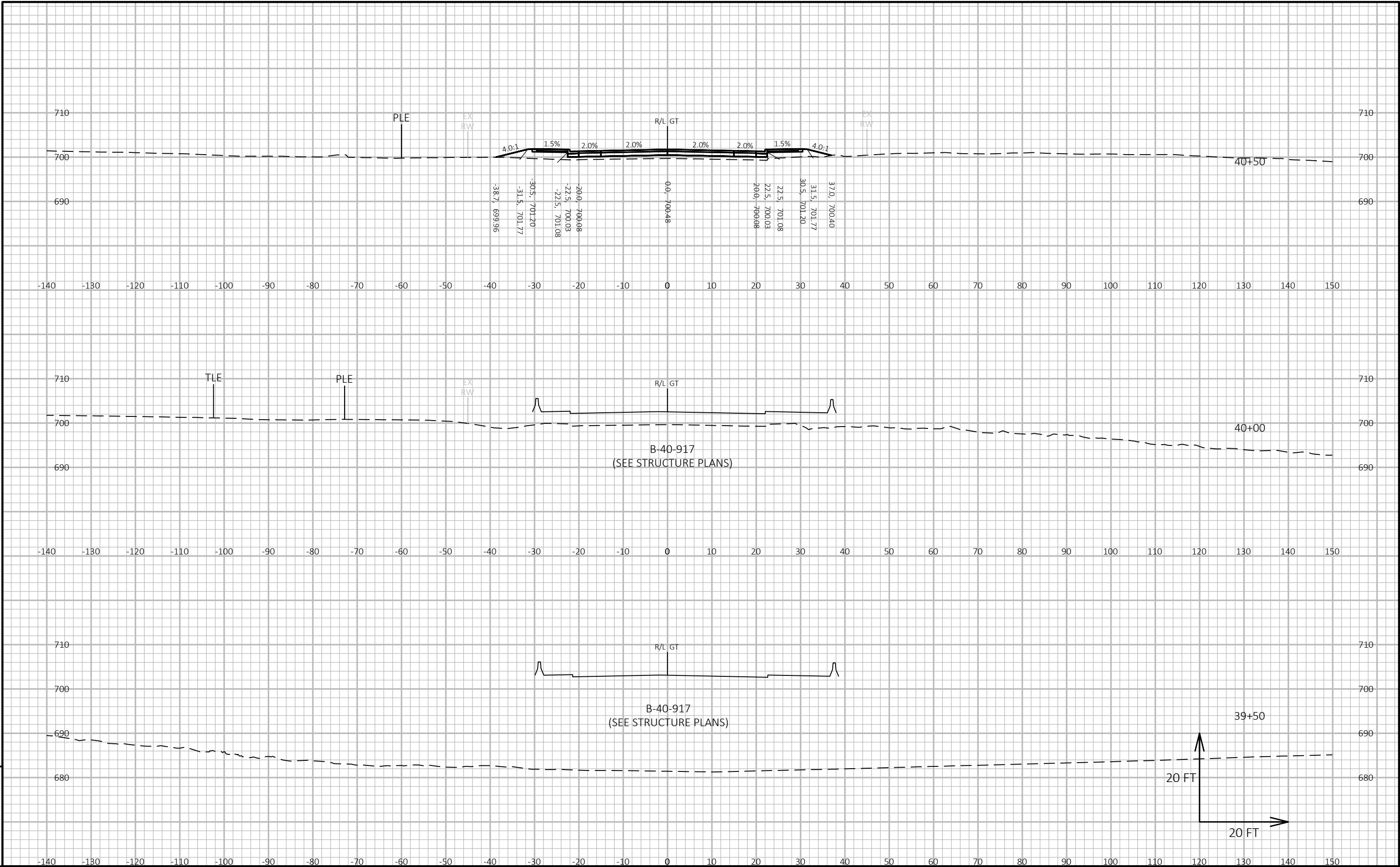
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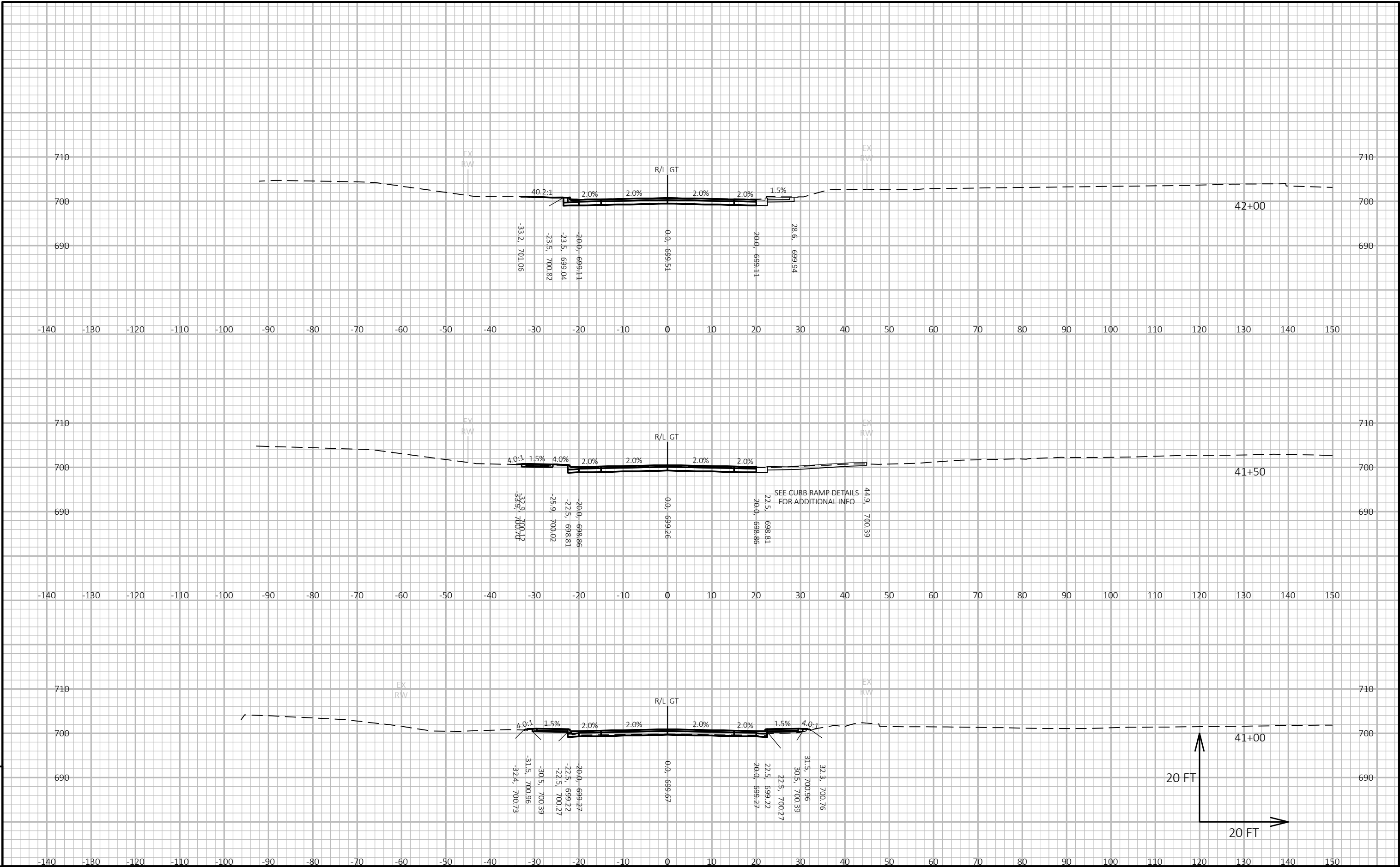
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GREEN TREE	SHEET	E
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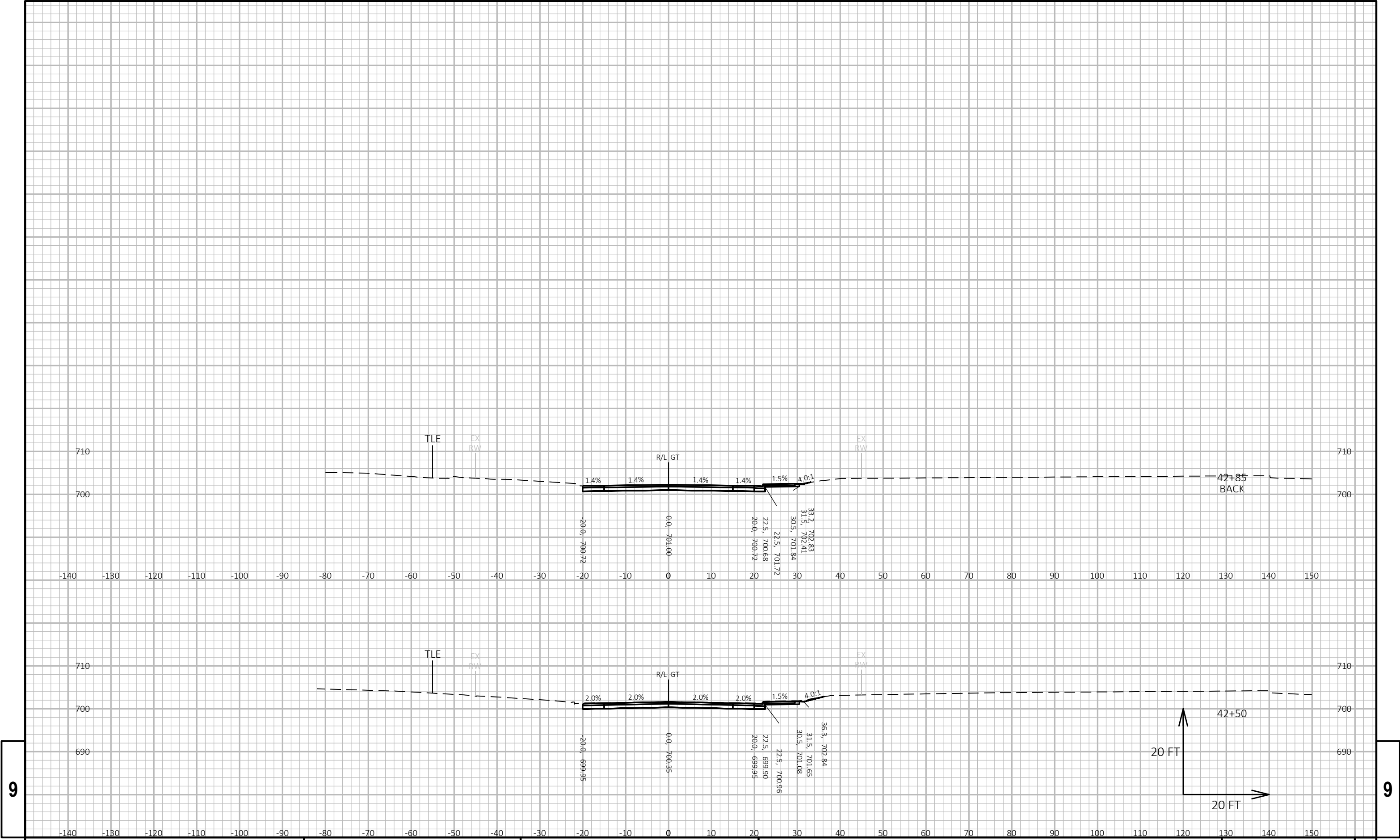


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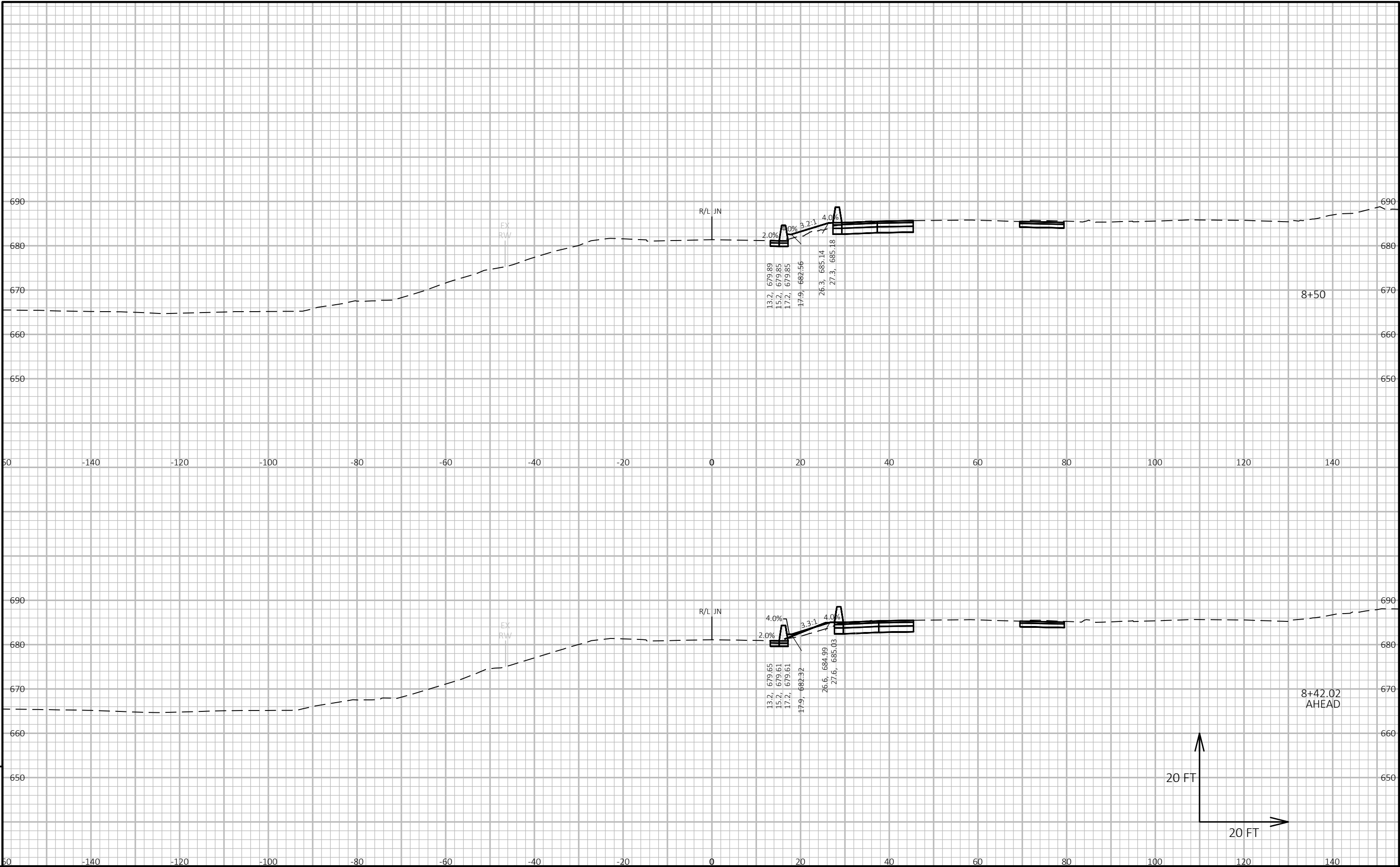
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GREEN TREE	SHEET	E
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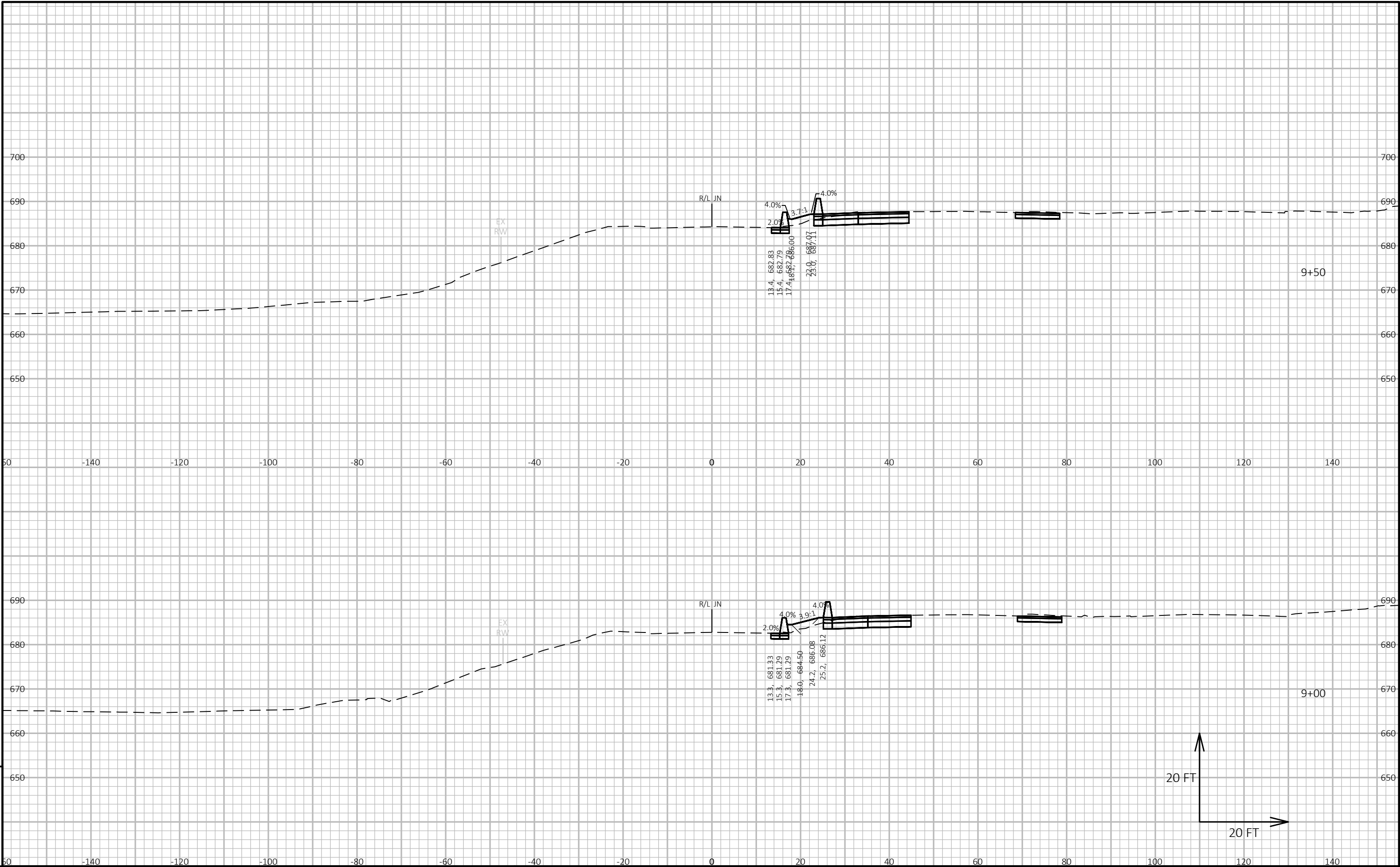


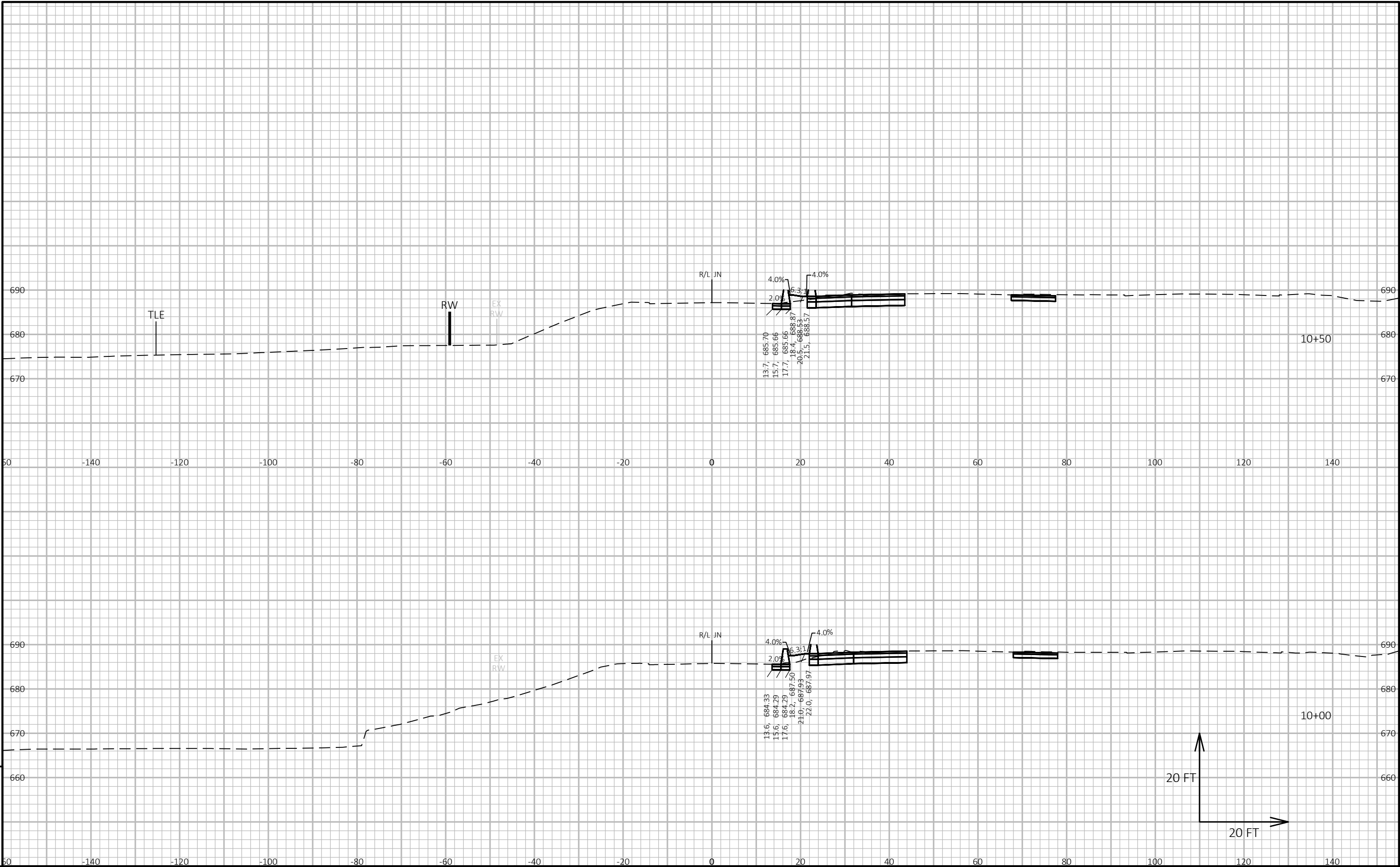


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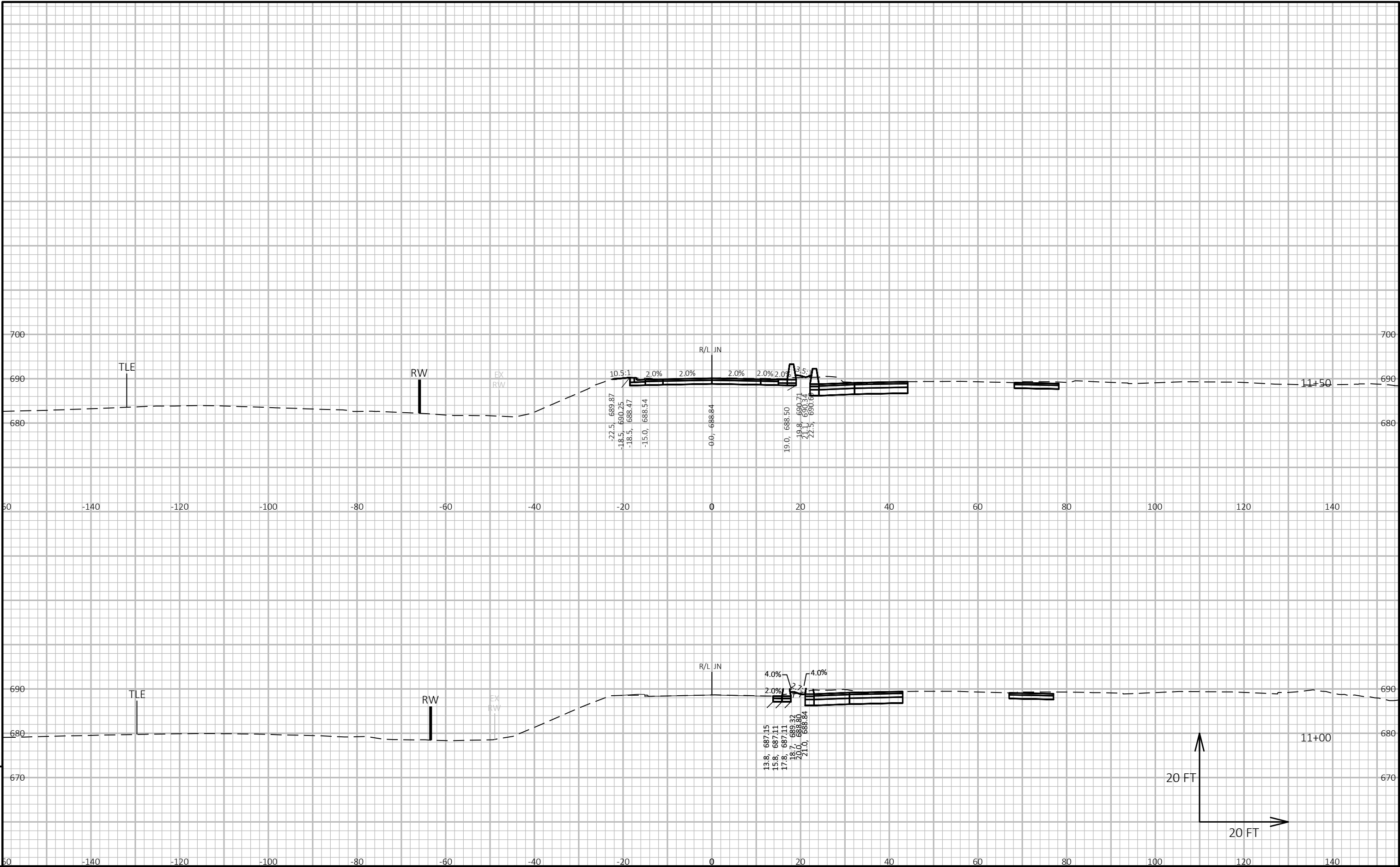


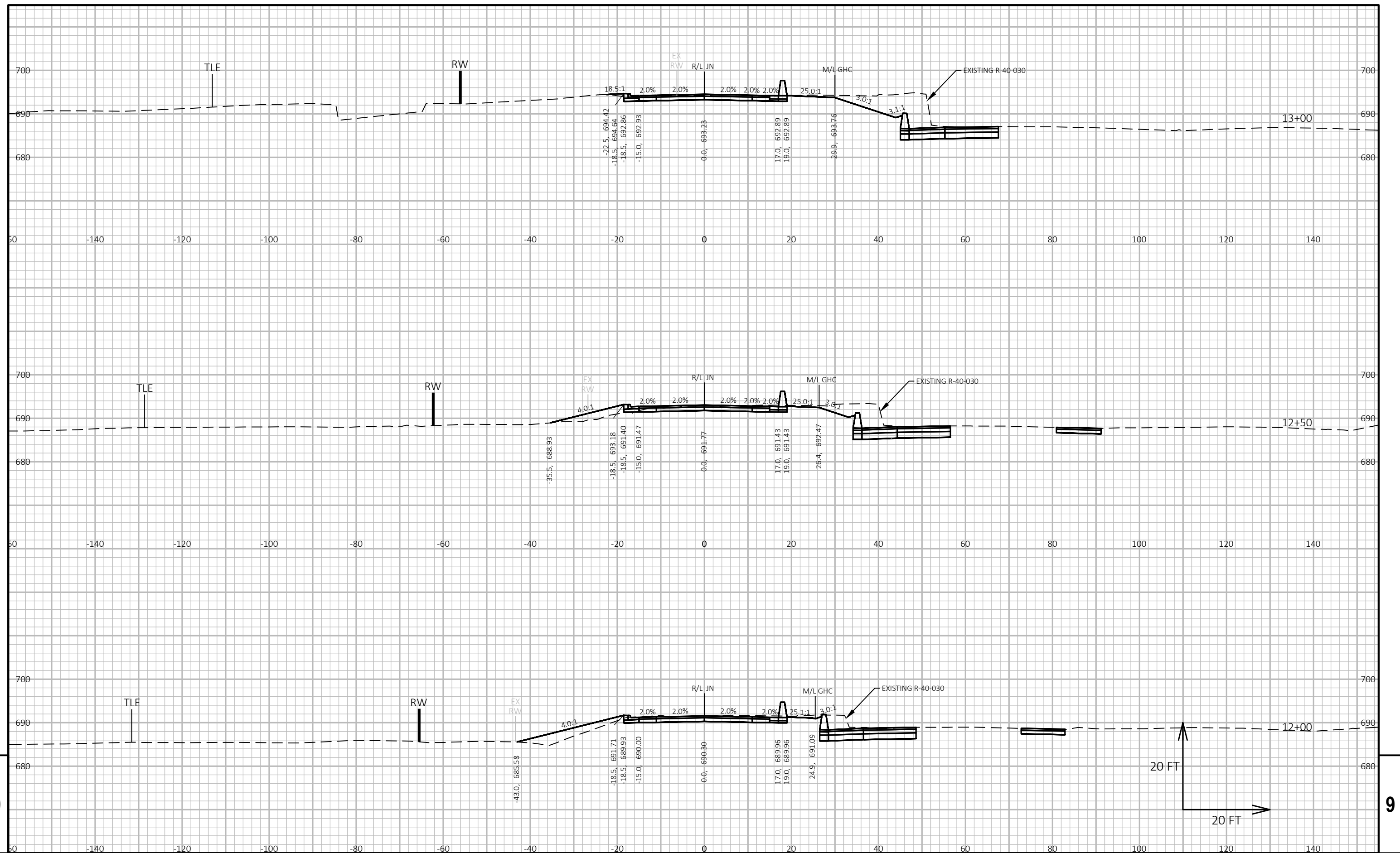
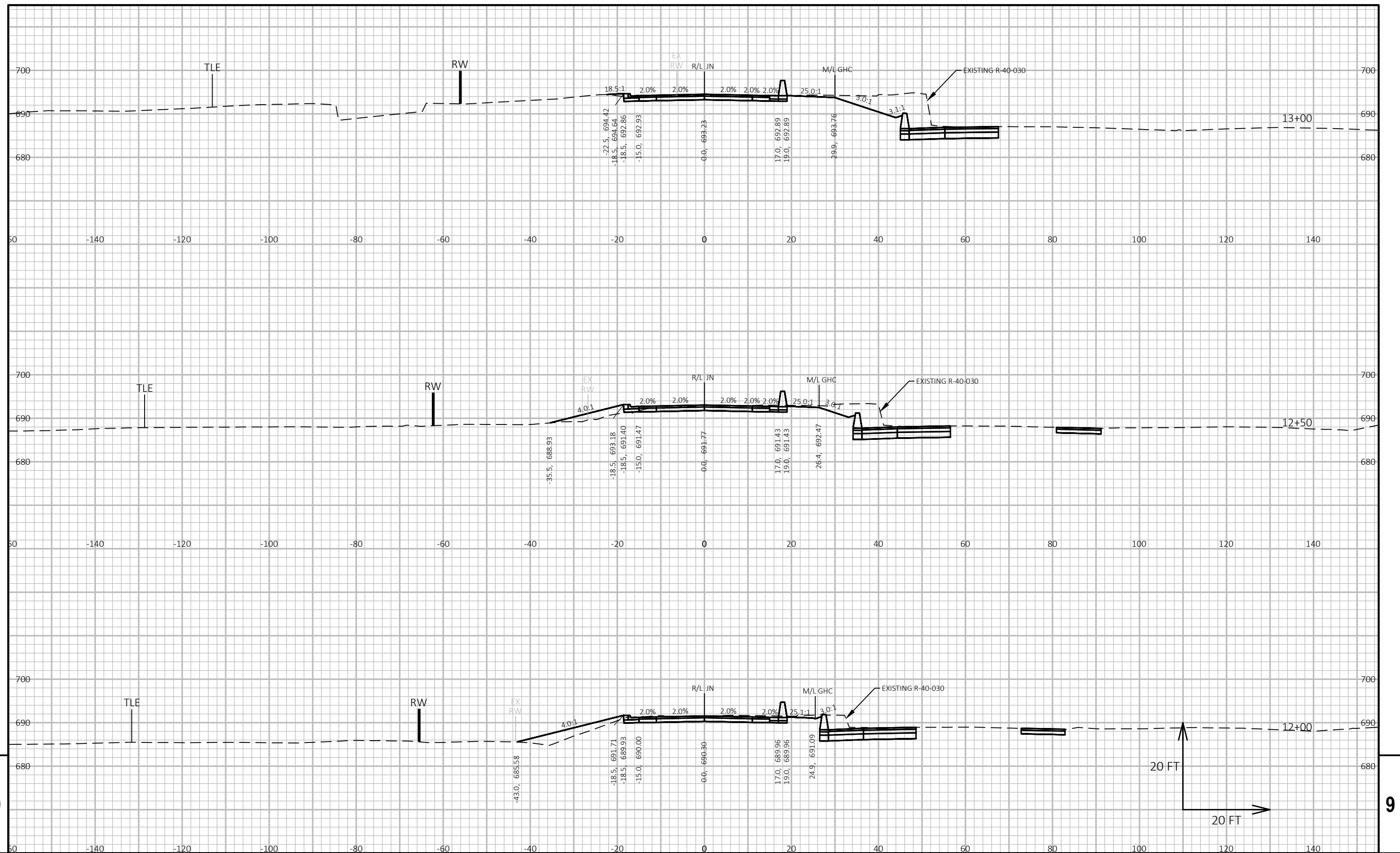


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PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: JEAN NICOLET	SHEET	E
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PROJECT NO:	1228-16-71
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HWY: IH-43

COUNTY: MILWAUKEE

CROSS SECTIONS:	JEAN NICOLET
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SHEET

1

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSP\12290401_MILWAUKEE\GREEN TREE\090602_XS_JN.DWG
LAYOUT NAME - 090305_XS

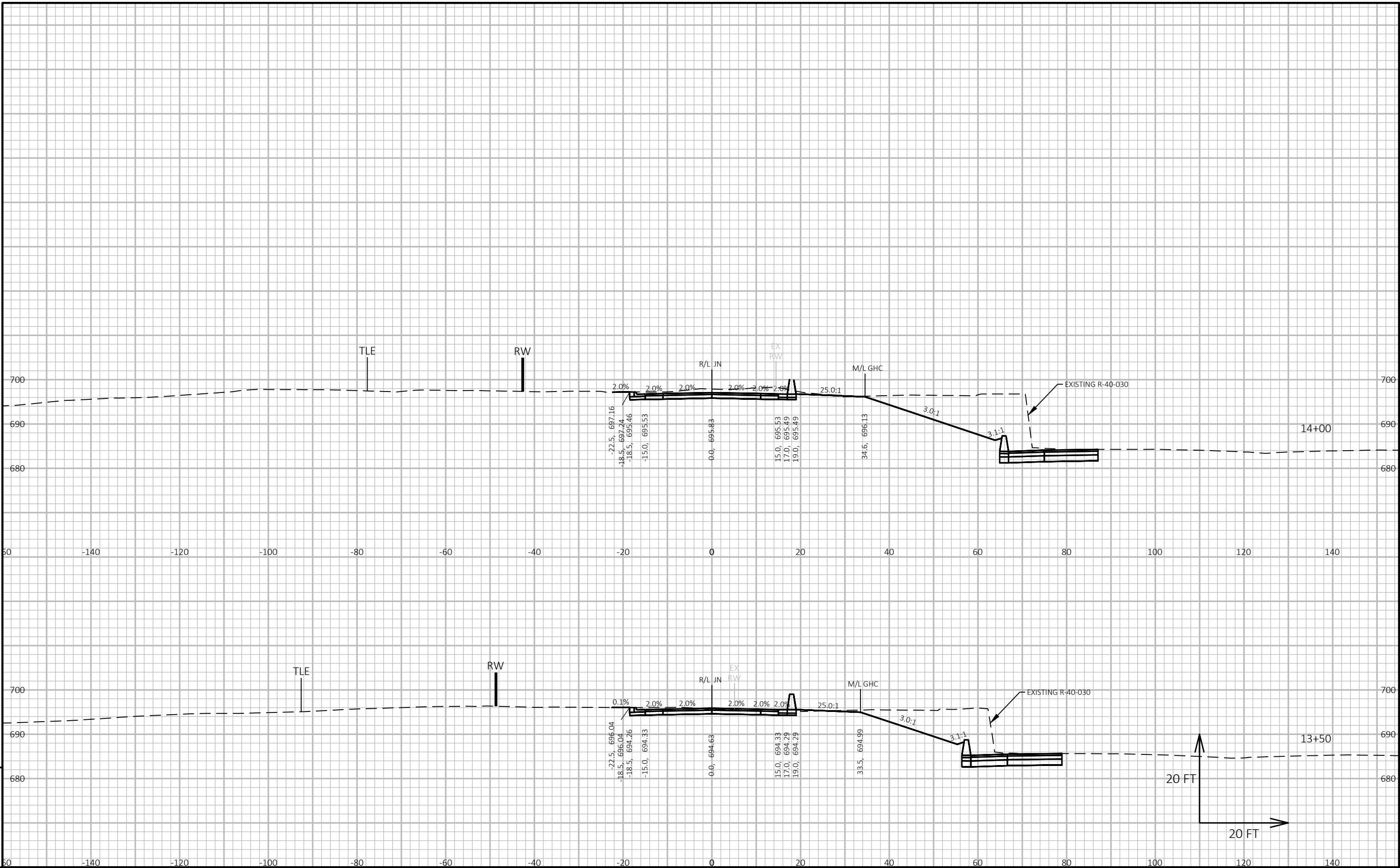
PLOT DATE : 10/31/2017 12:47 PM

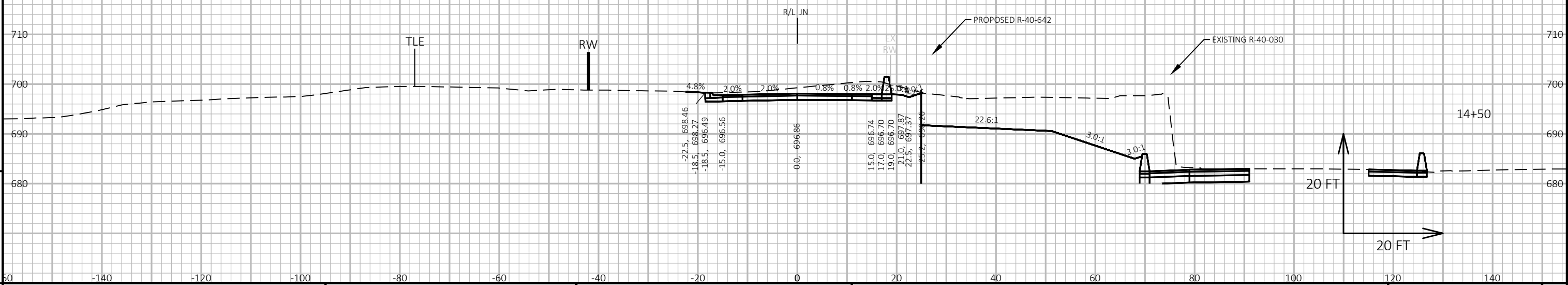
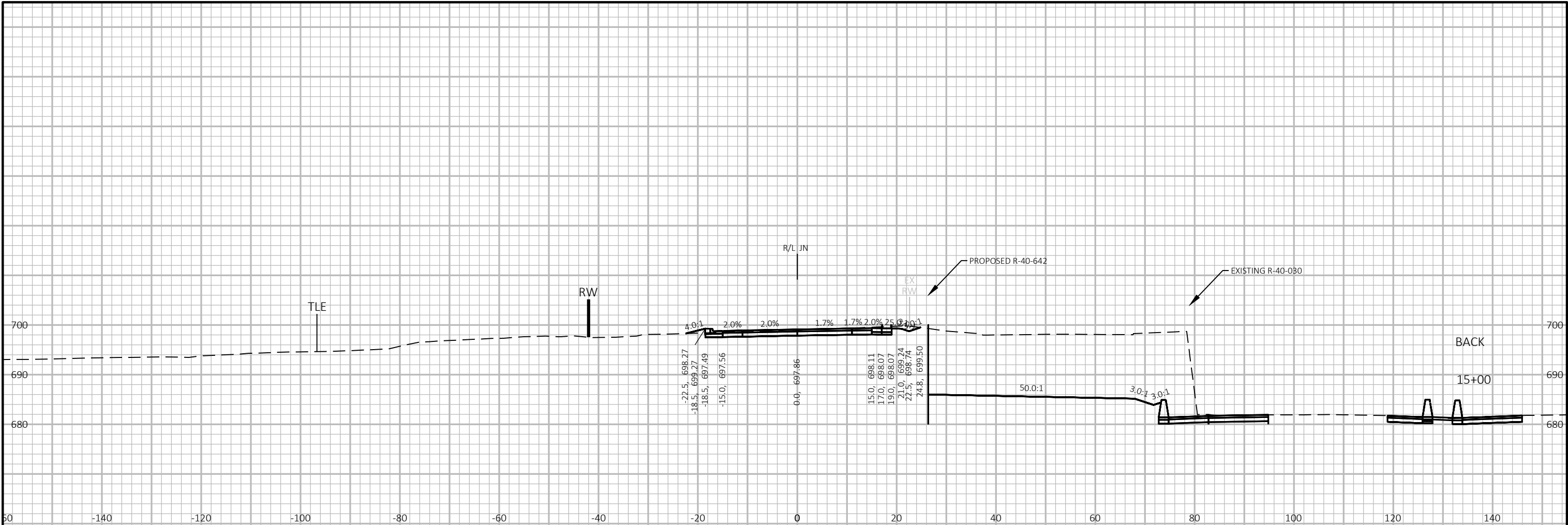
PLOT BY : ANDREW ROSEMEYER

PLOT NAME :

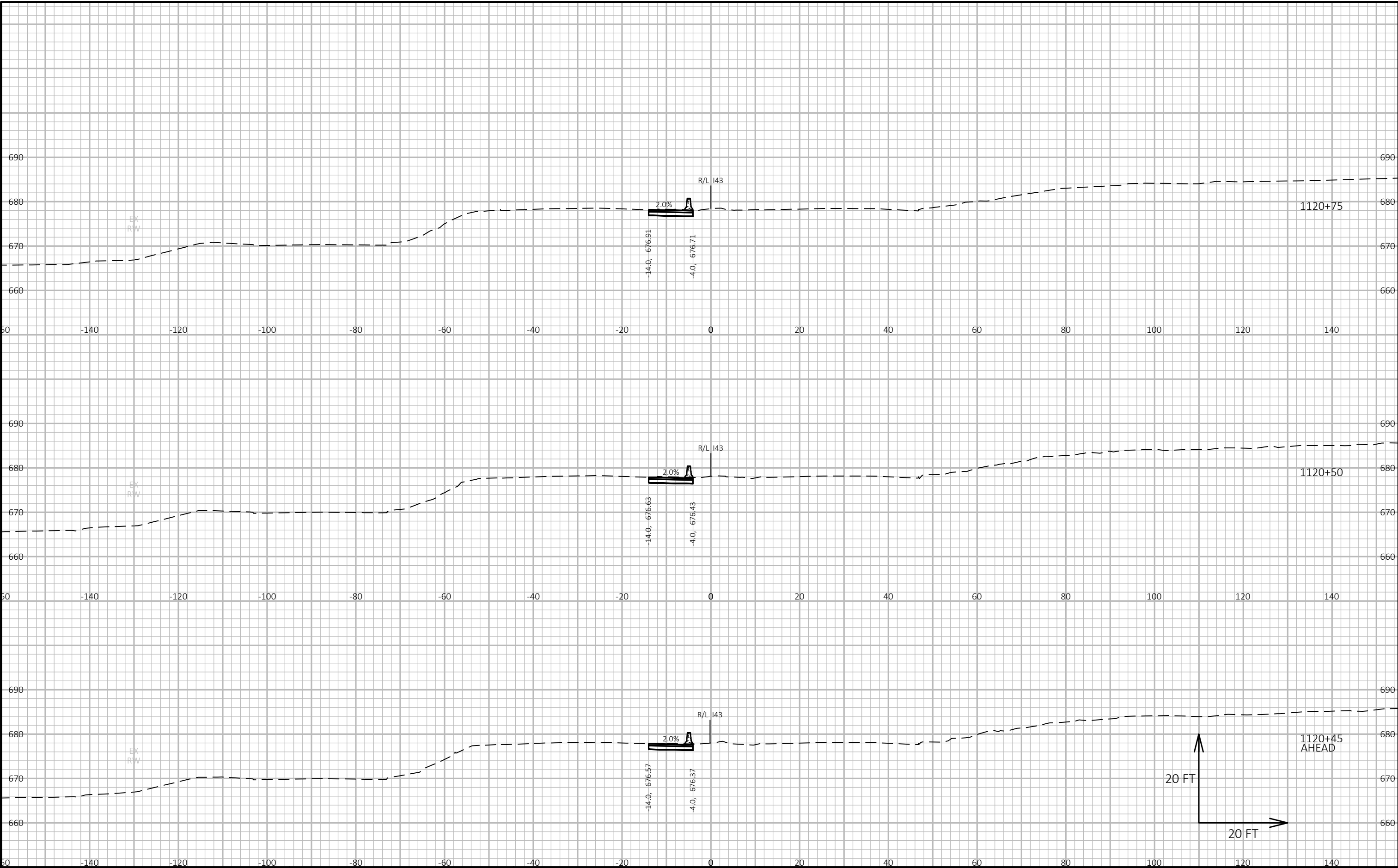
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





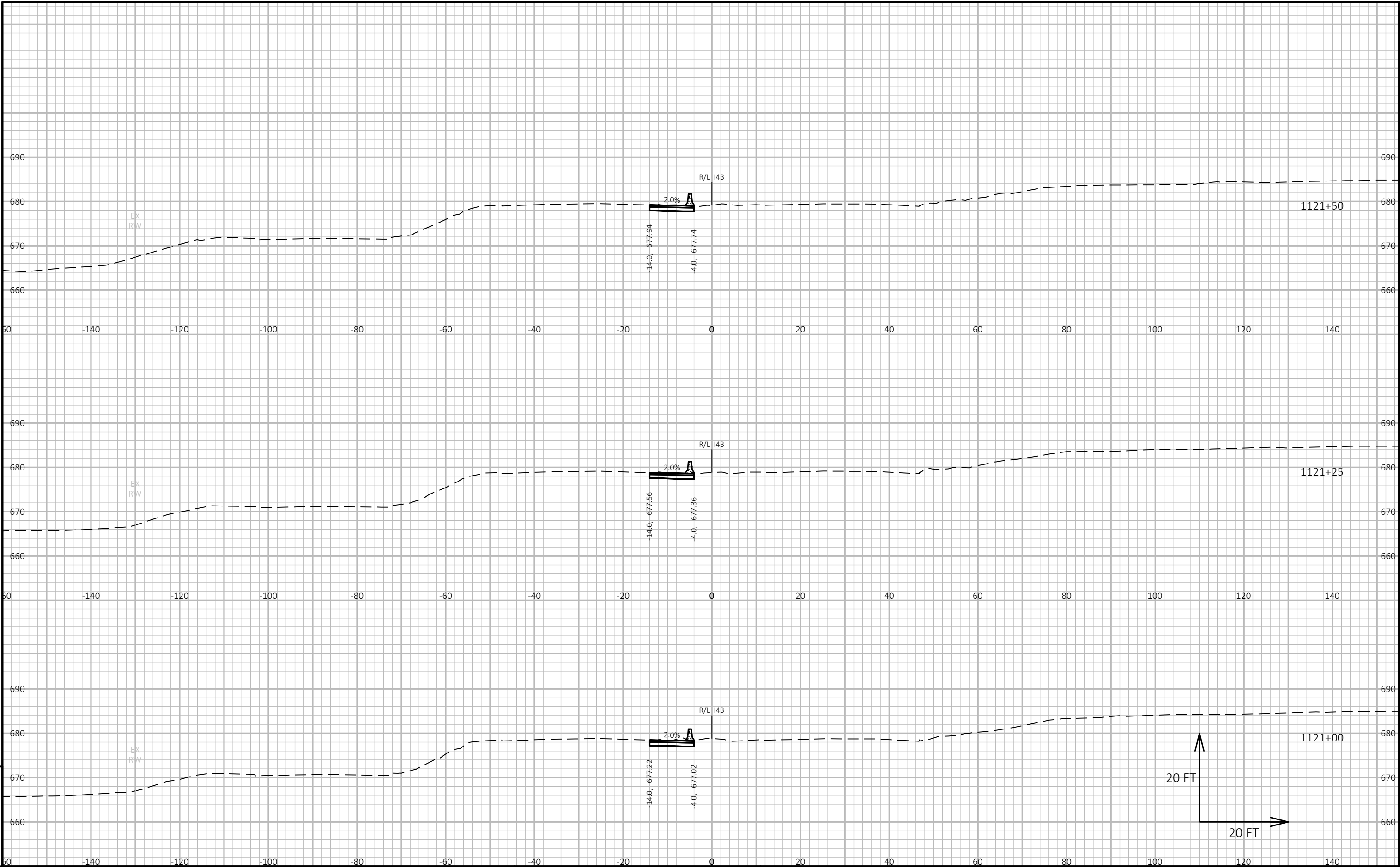
PROJECT NO:	1228-16-71	HWY:	IH-43	COUNTY:	MILWAUKEE	CROSS SECTIONS:	JEAN NICOLET	SHEET	E
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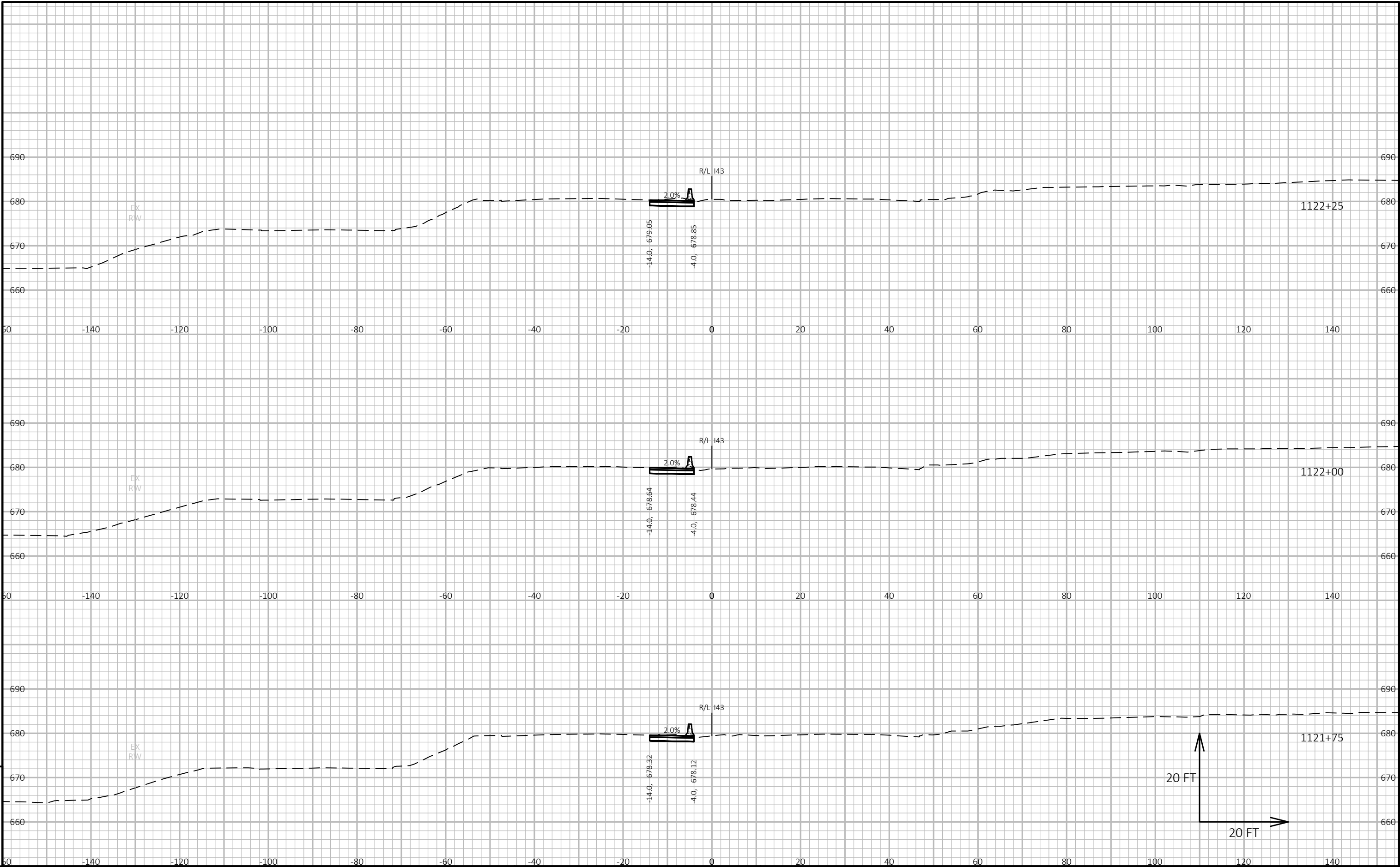
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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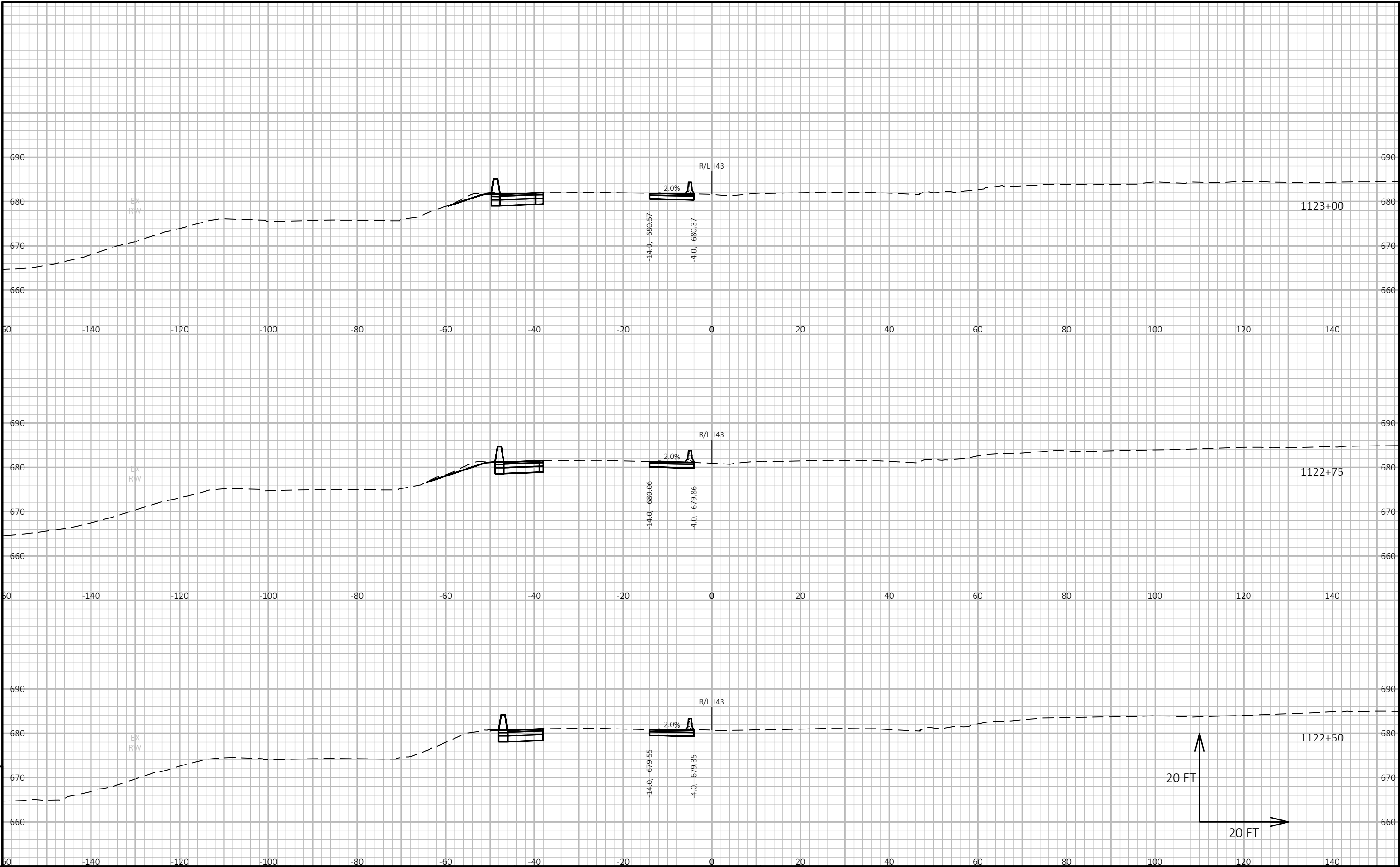


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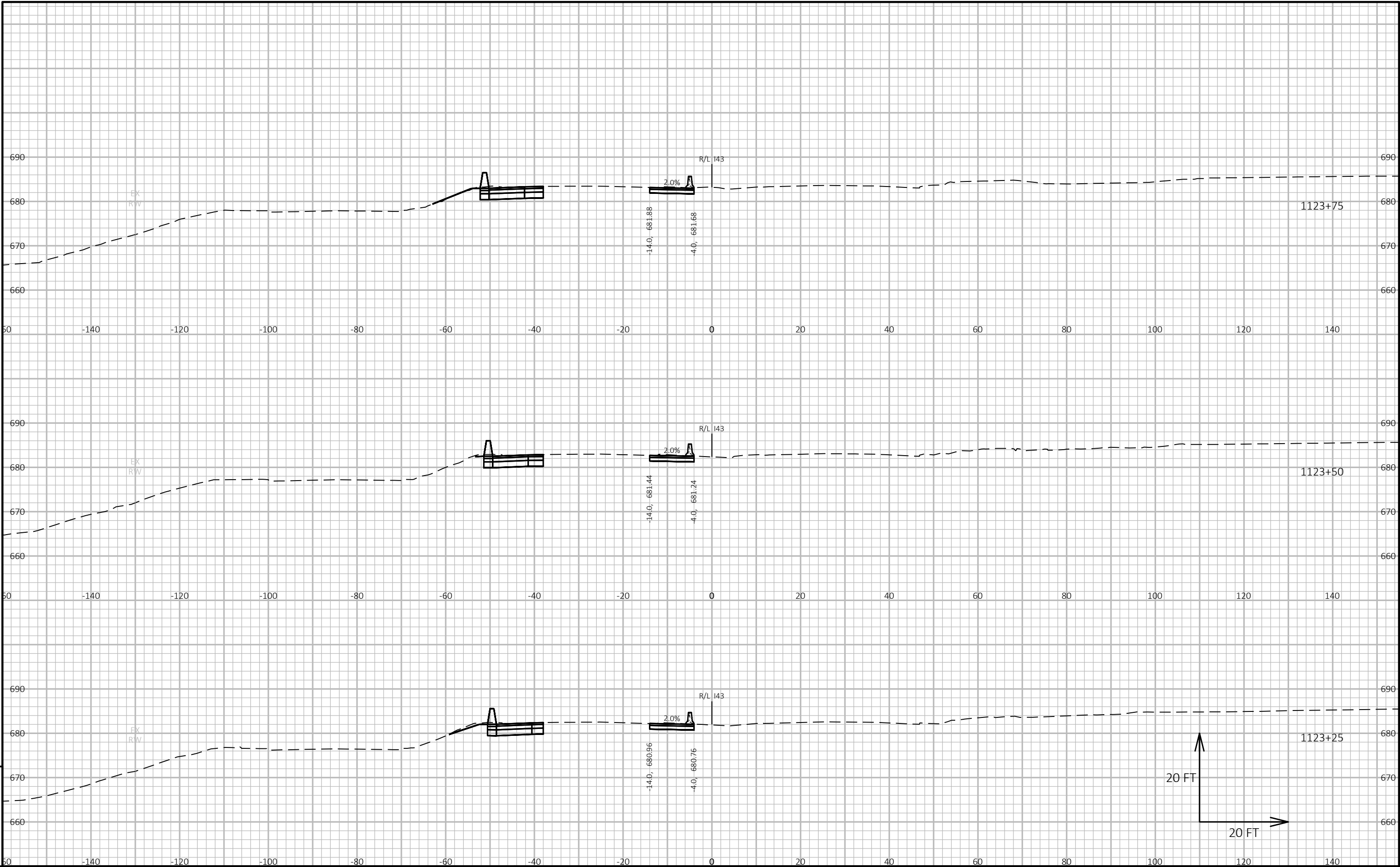
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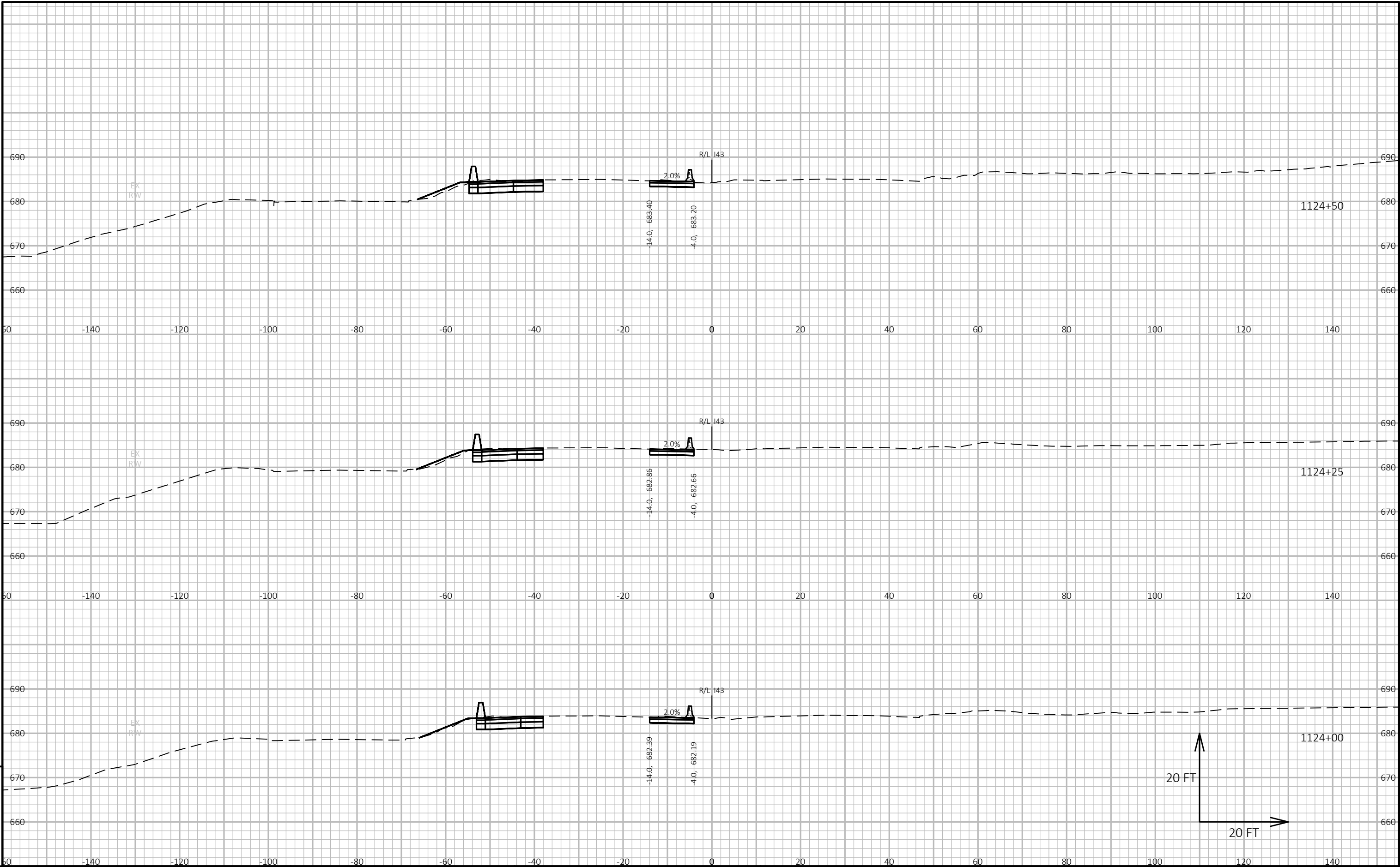
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	9
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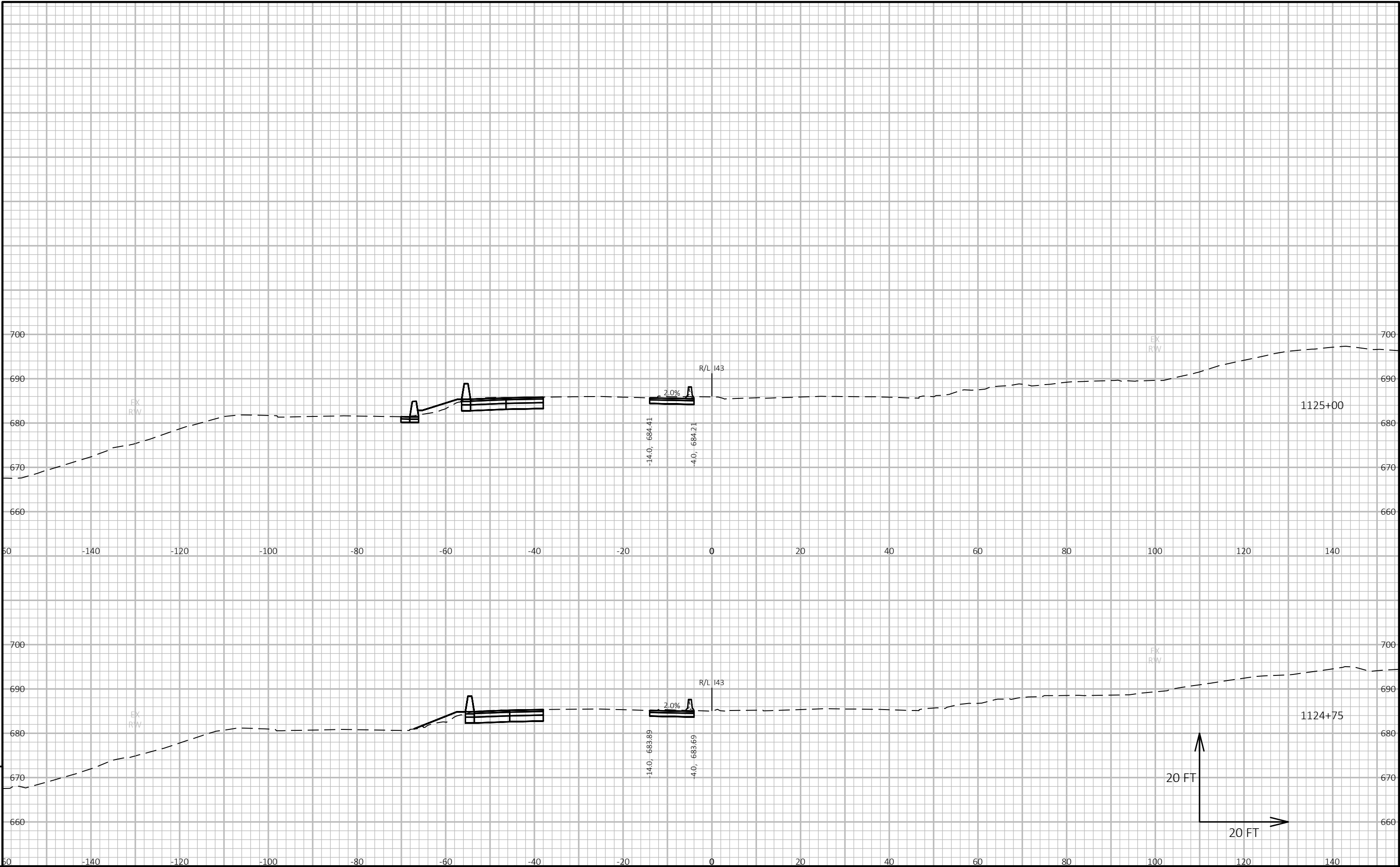




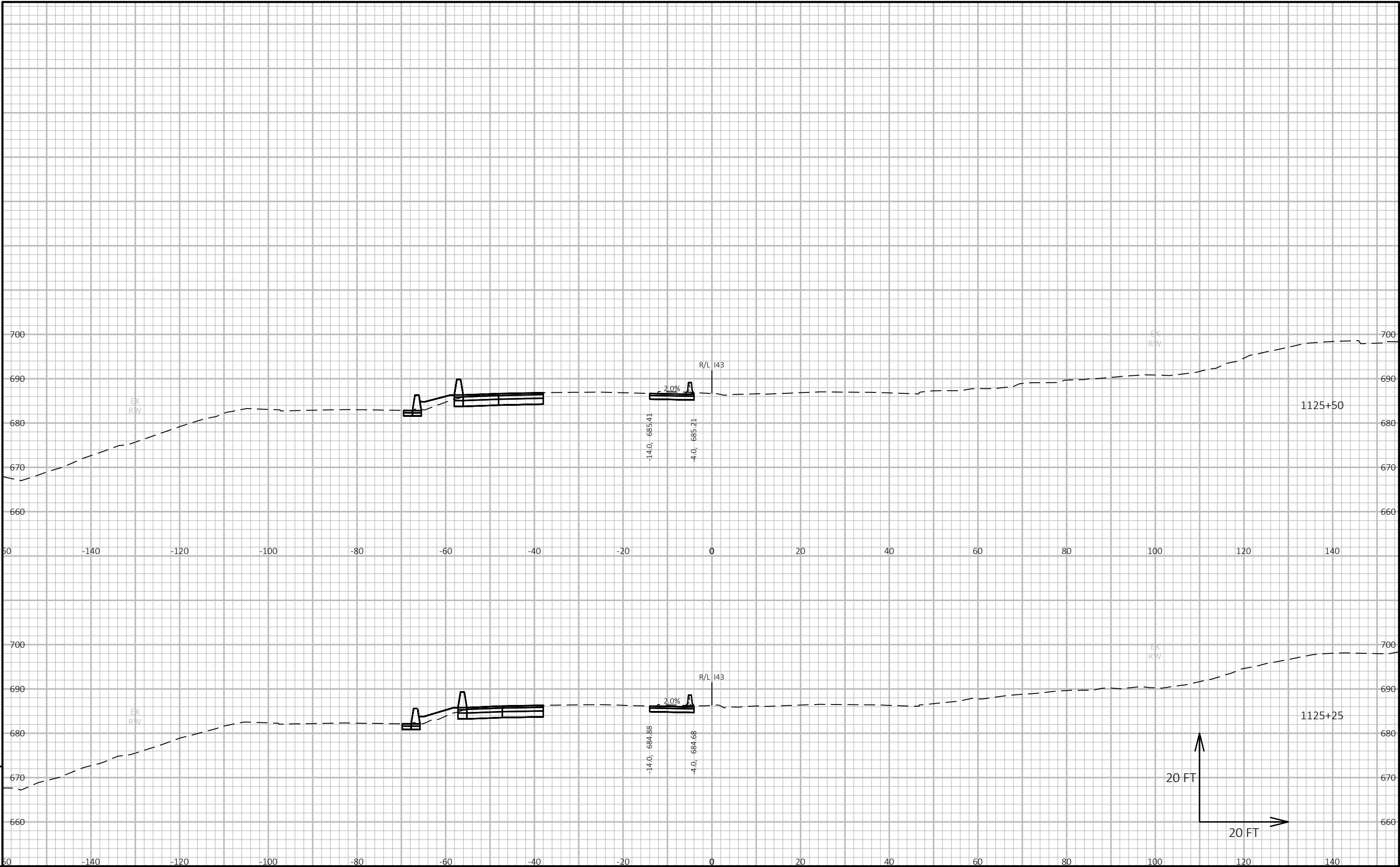
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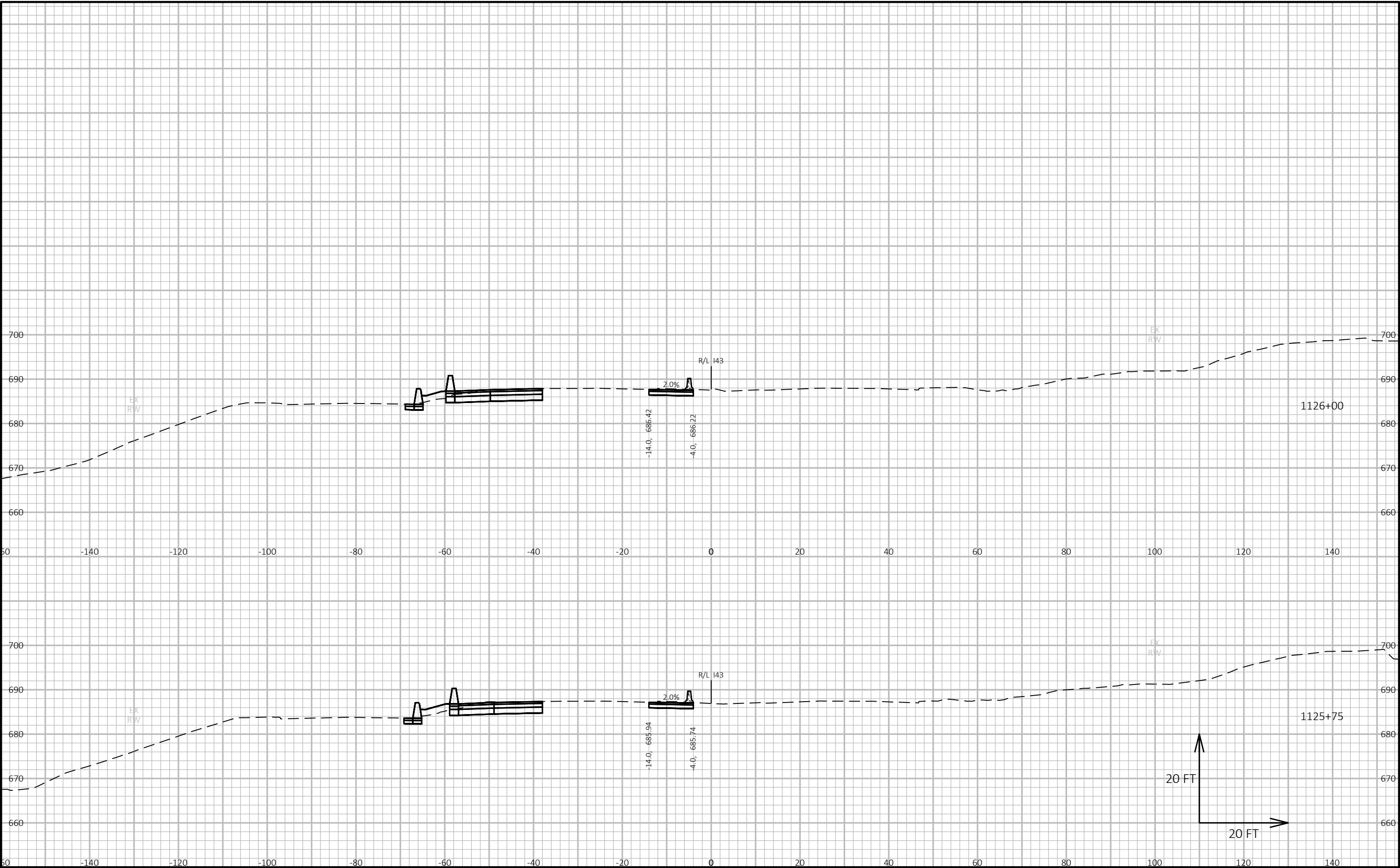
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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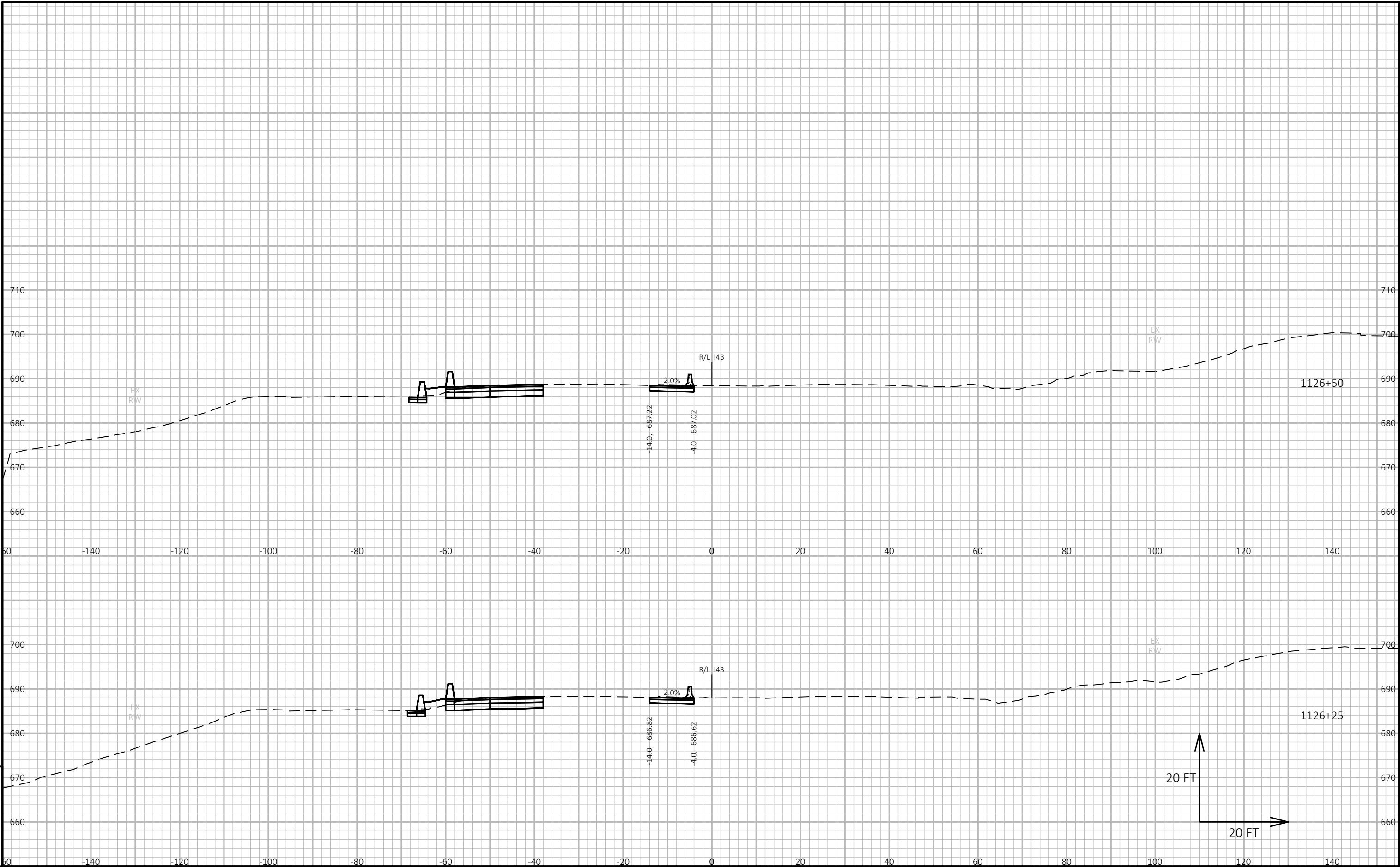


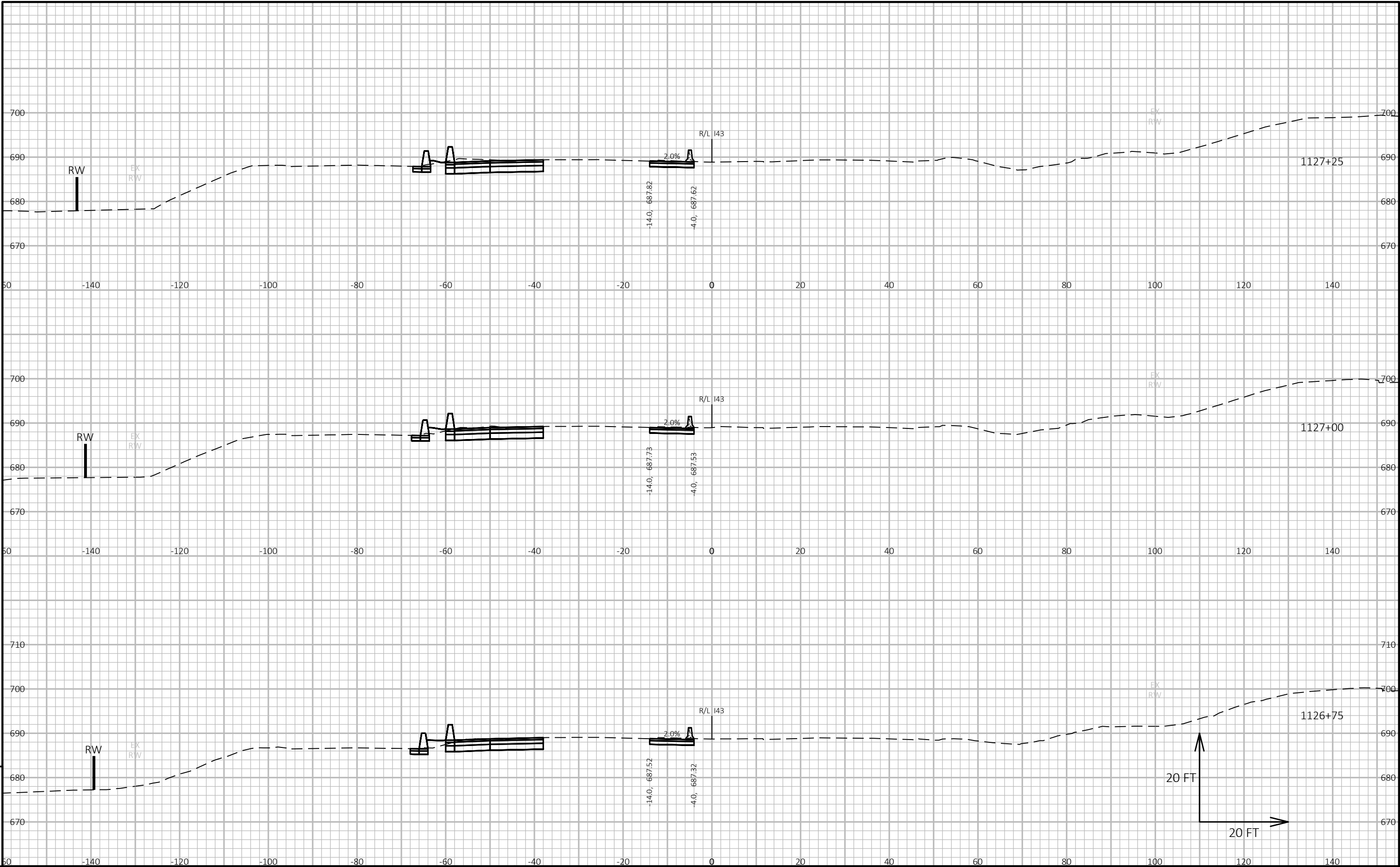
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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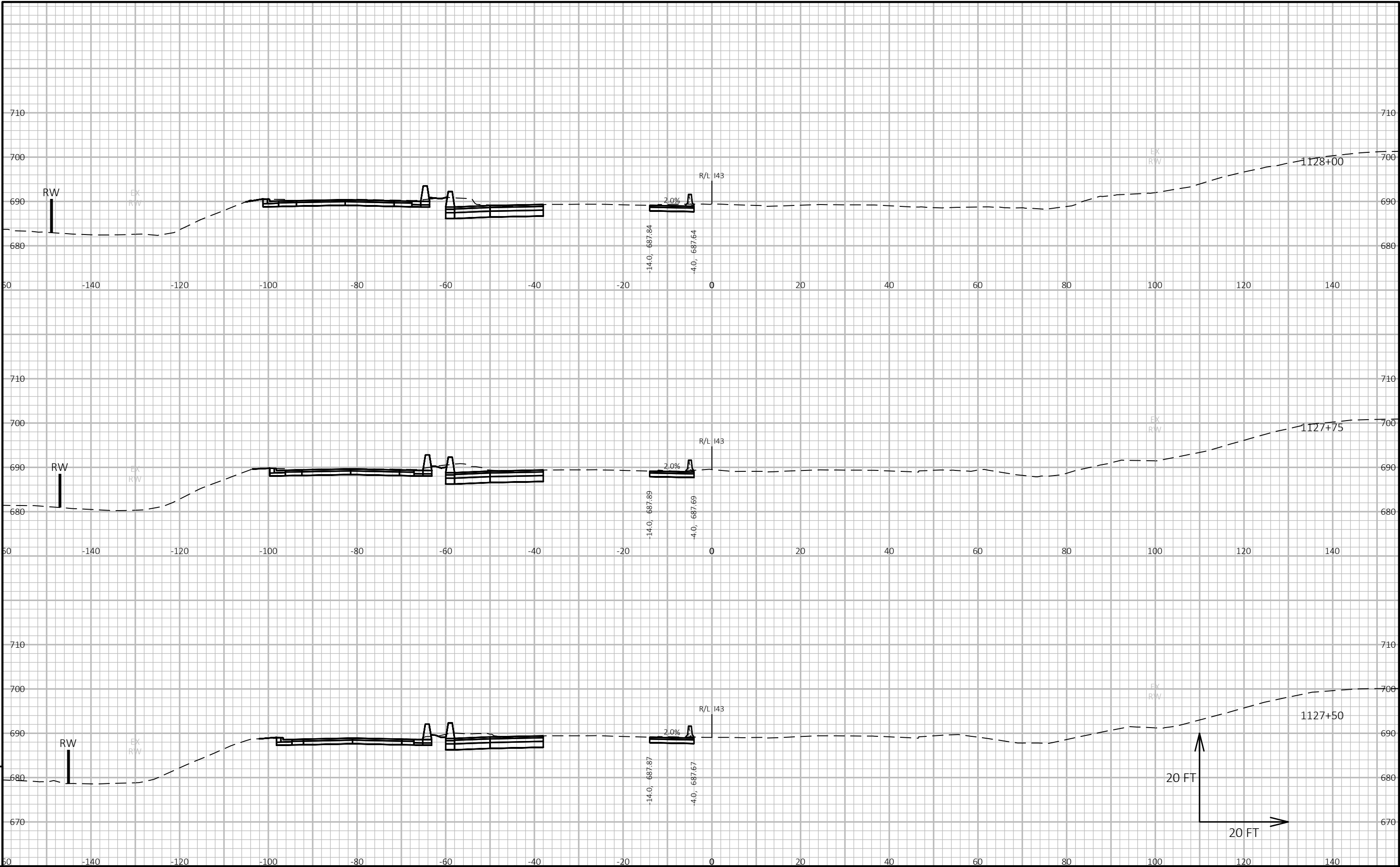
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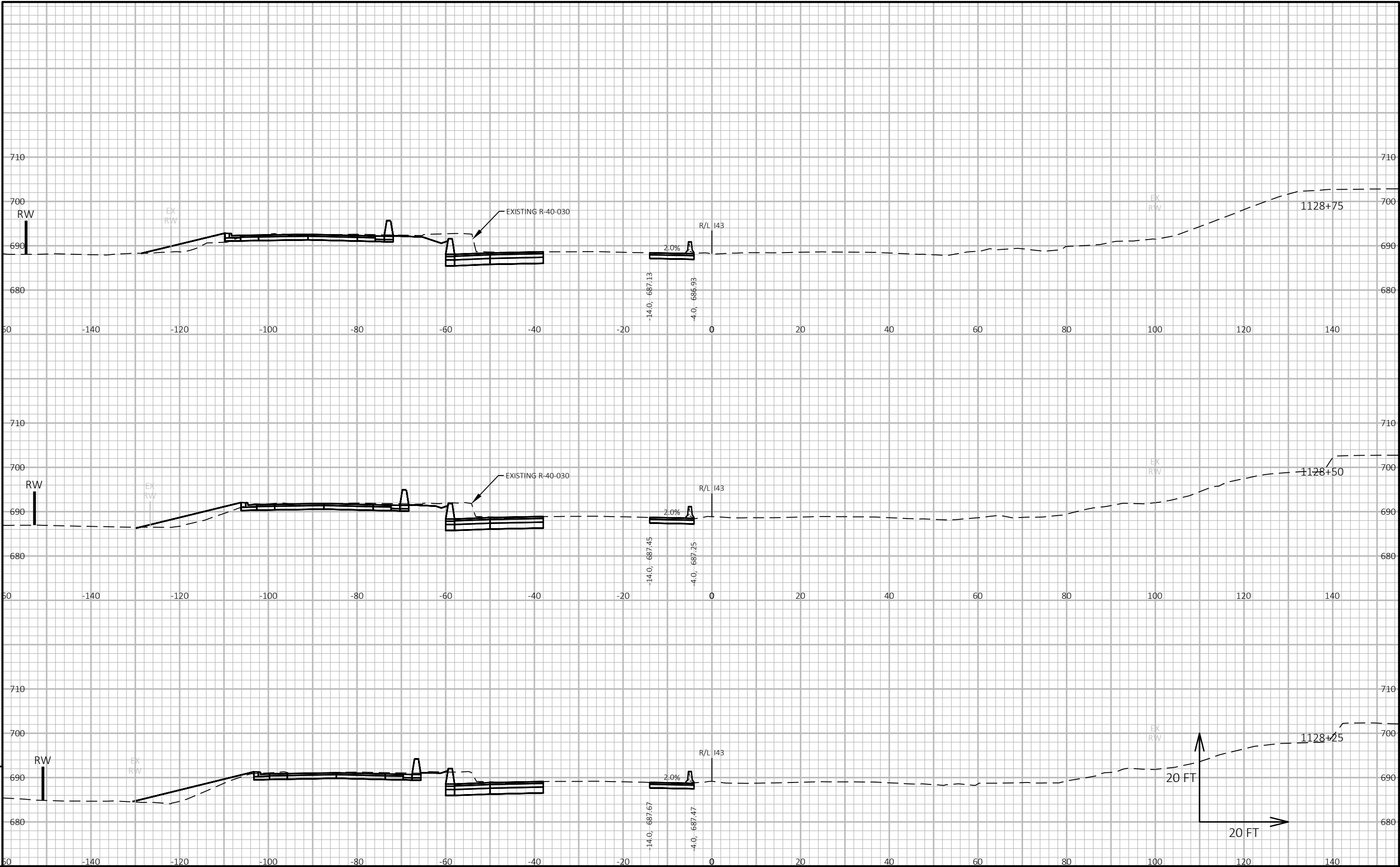




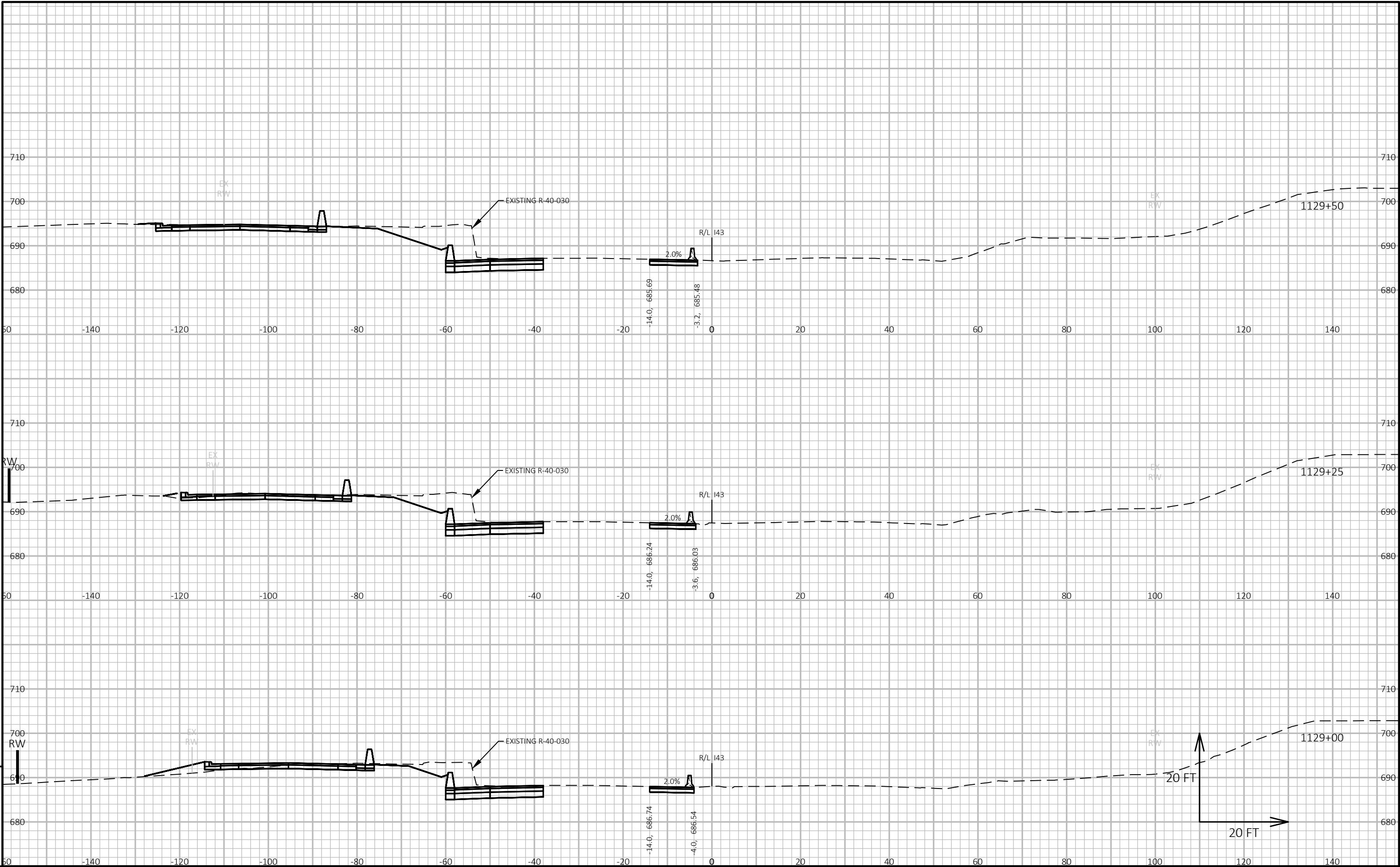
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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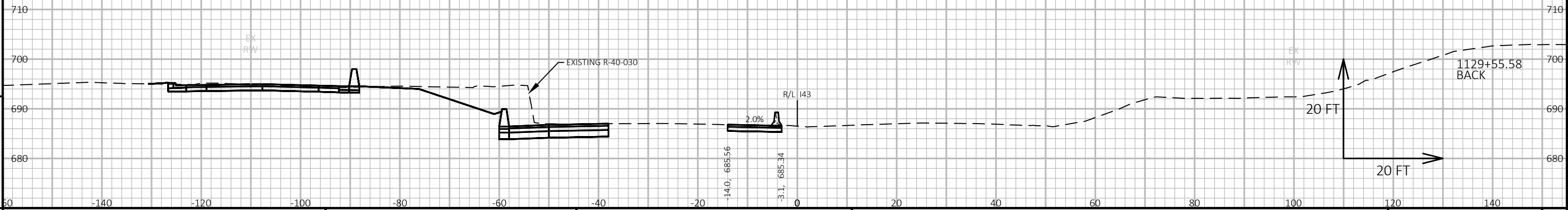
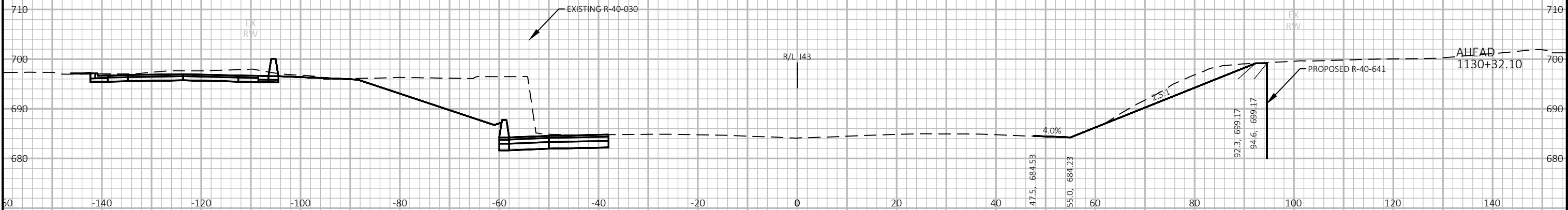
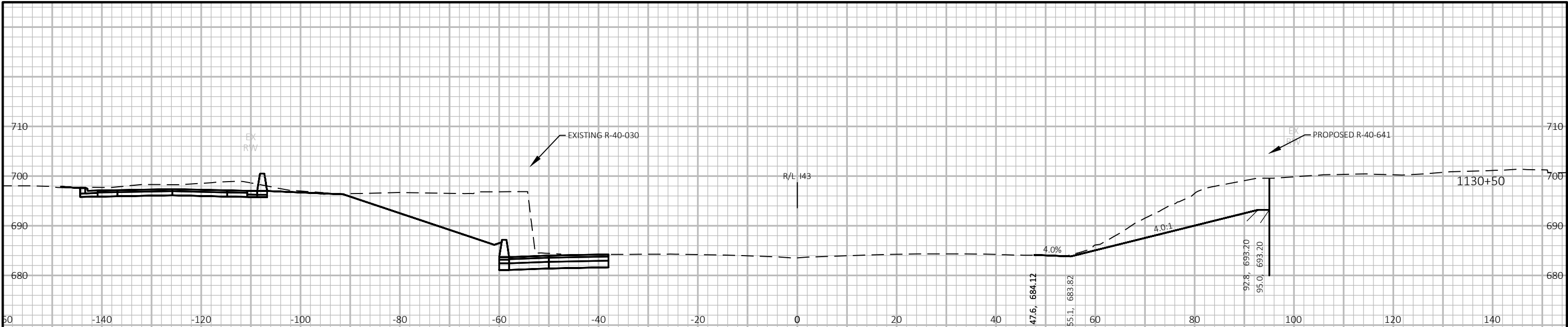


PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	9
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PROJECT NO:	1228-16-71	HWY:	IH-43	COUNTY:	MILWAUKEE	CROSS SECTIONS:	I-43	SHEET	9
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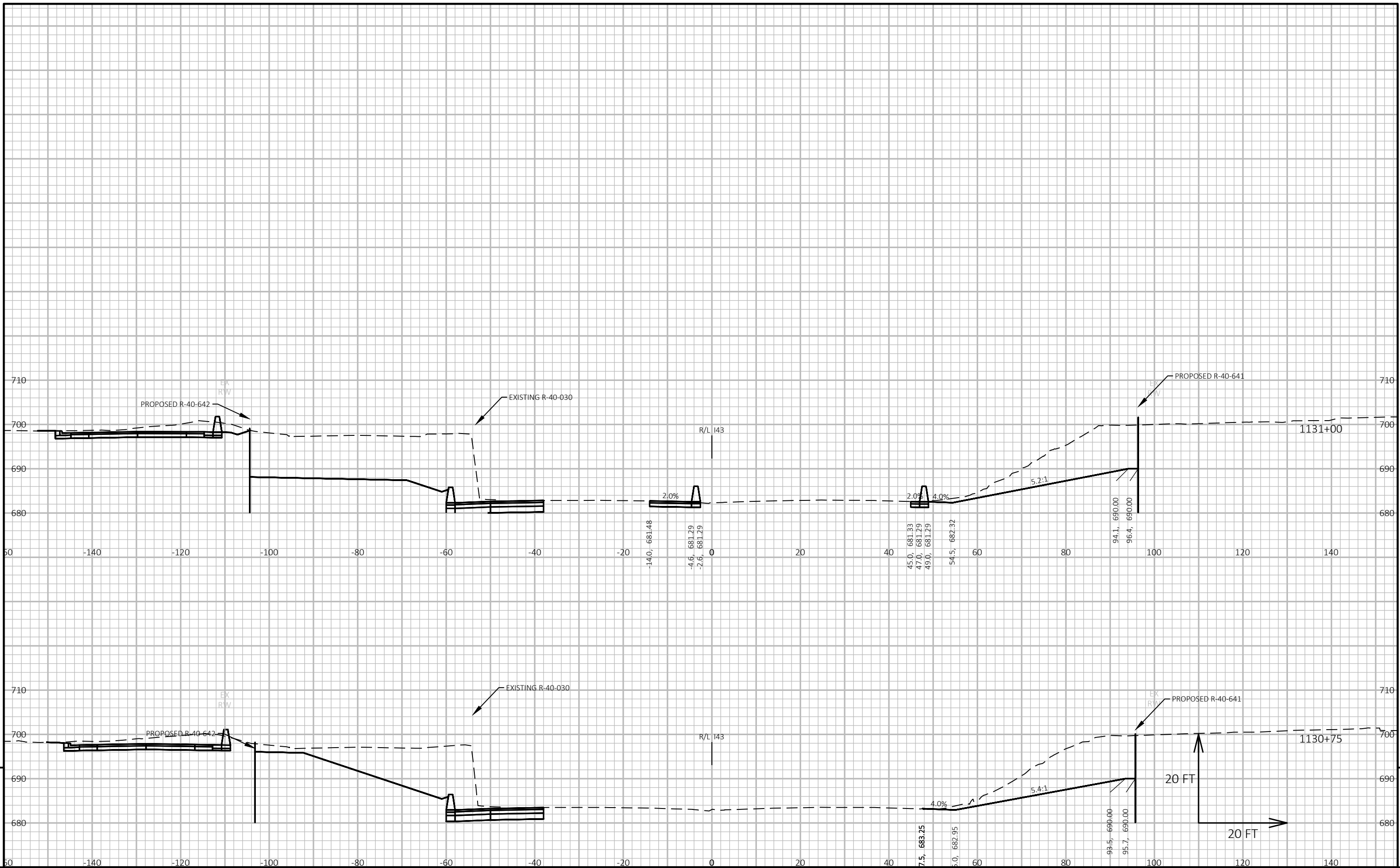




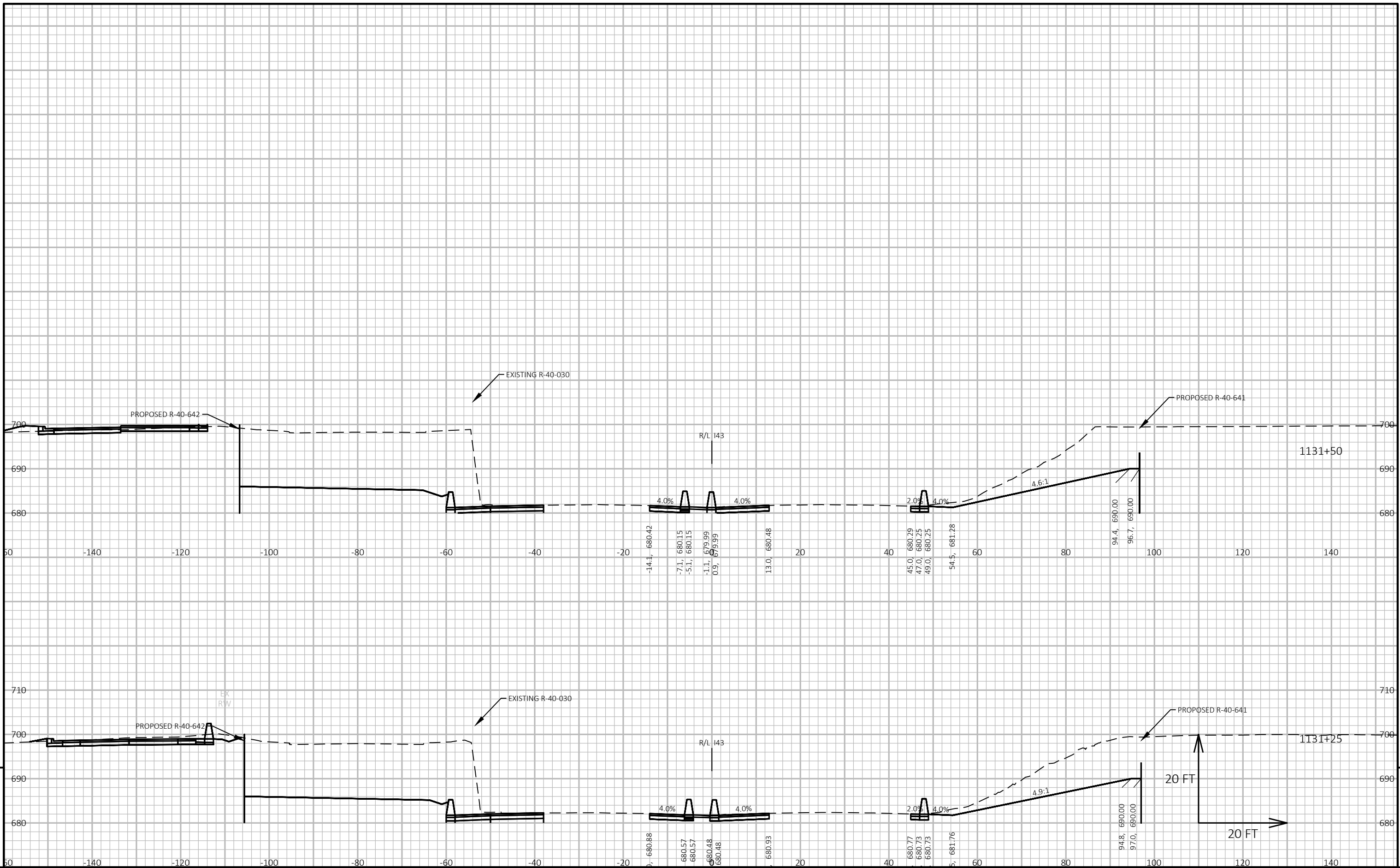
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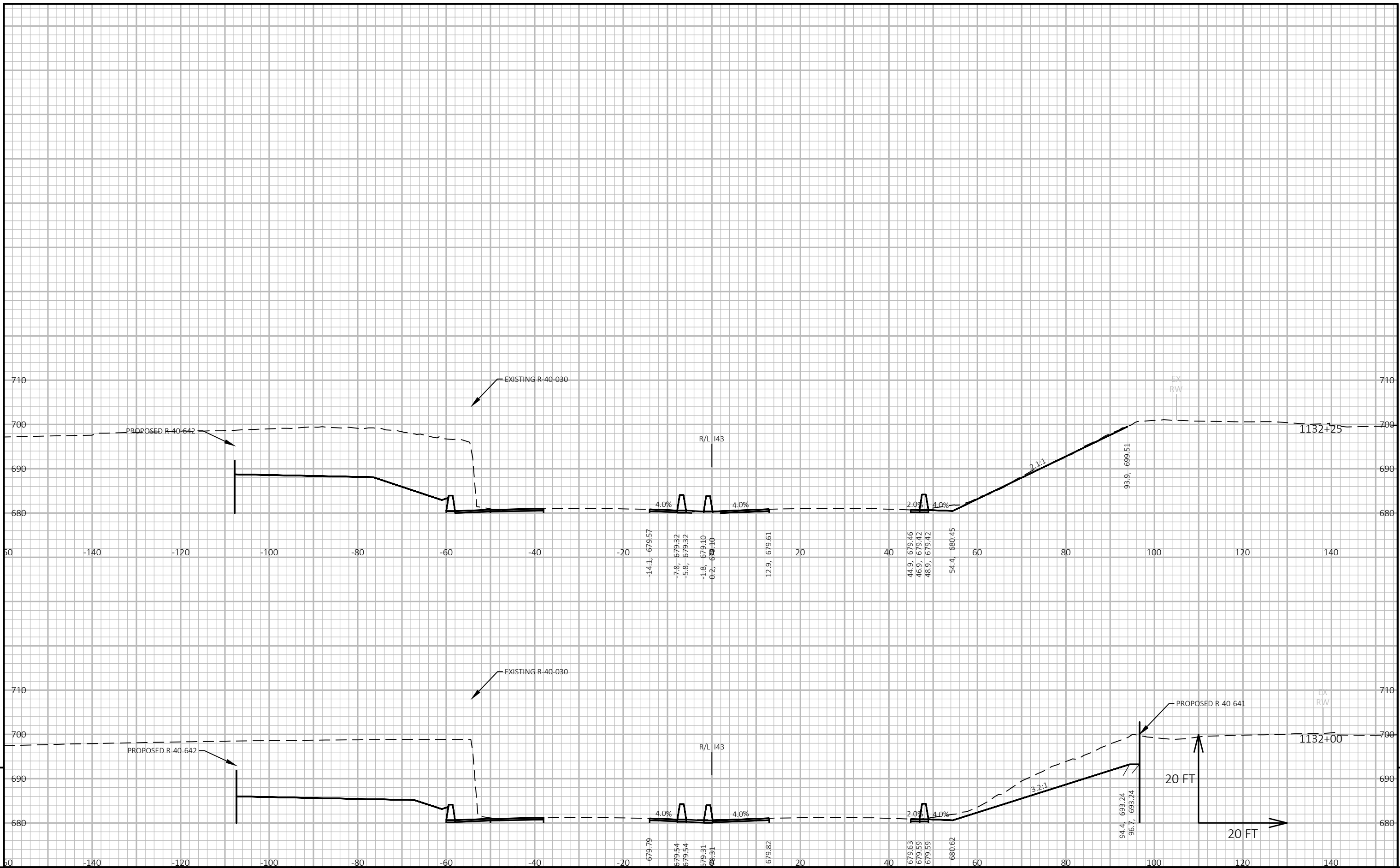
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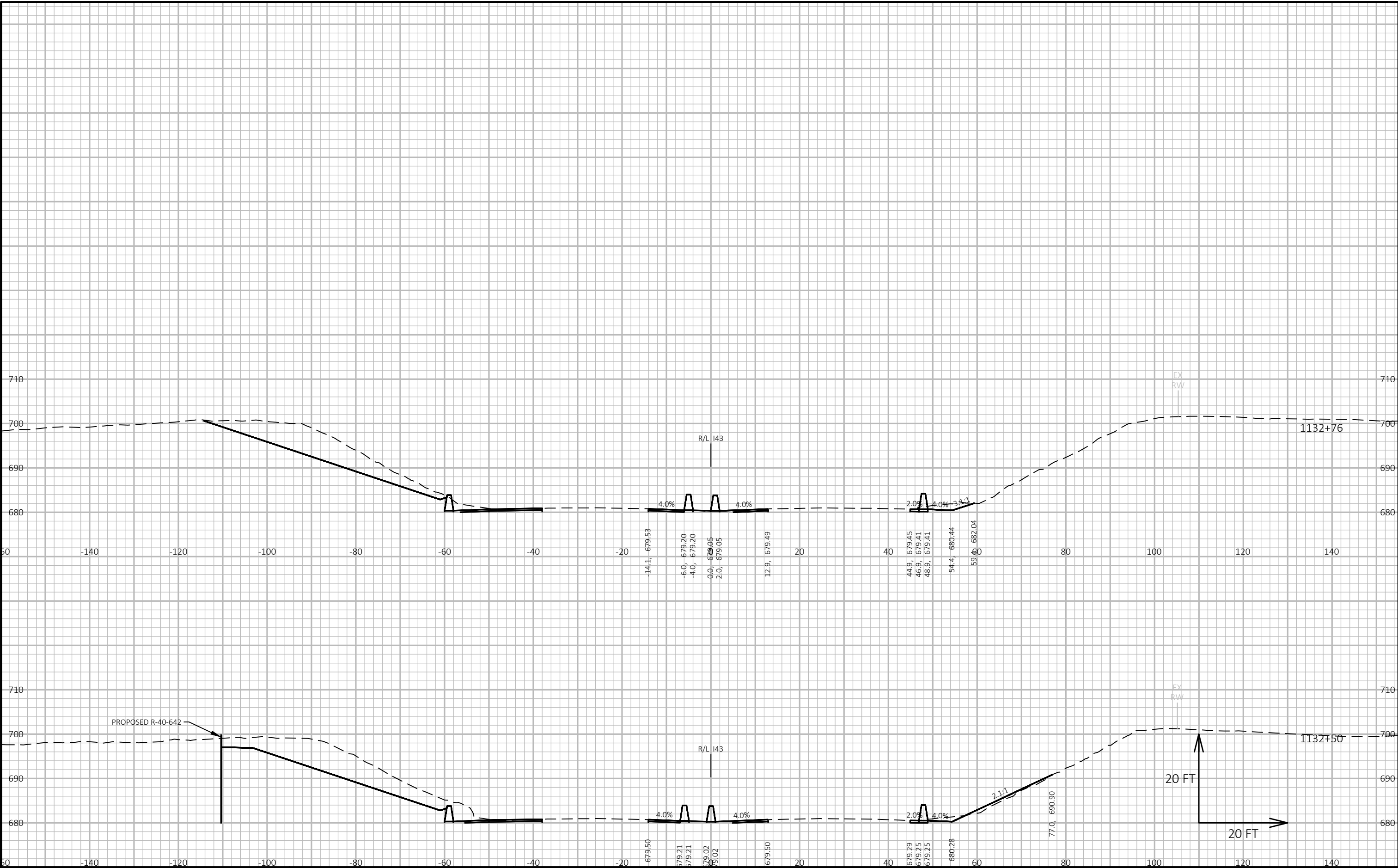
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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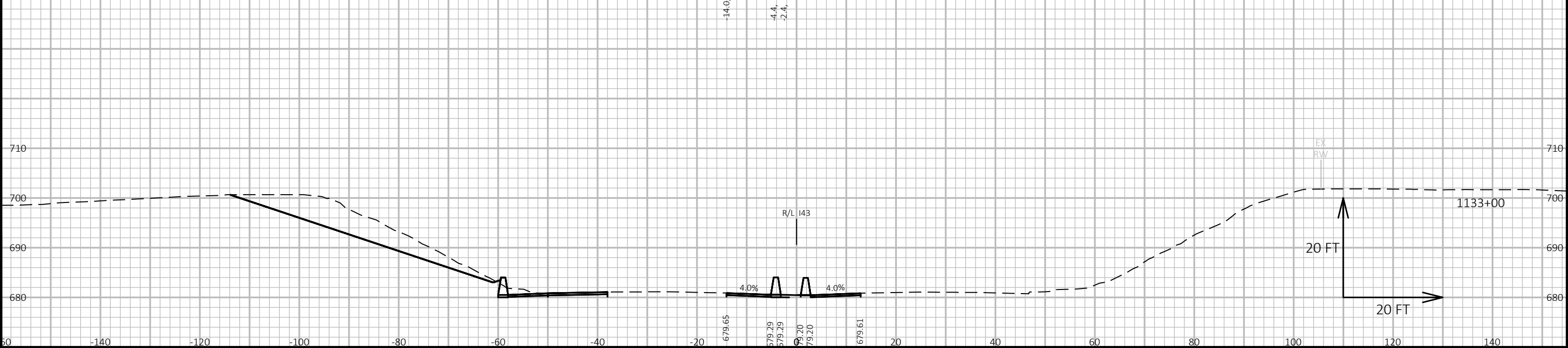
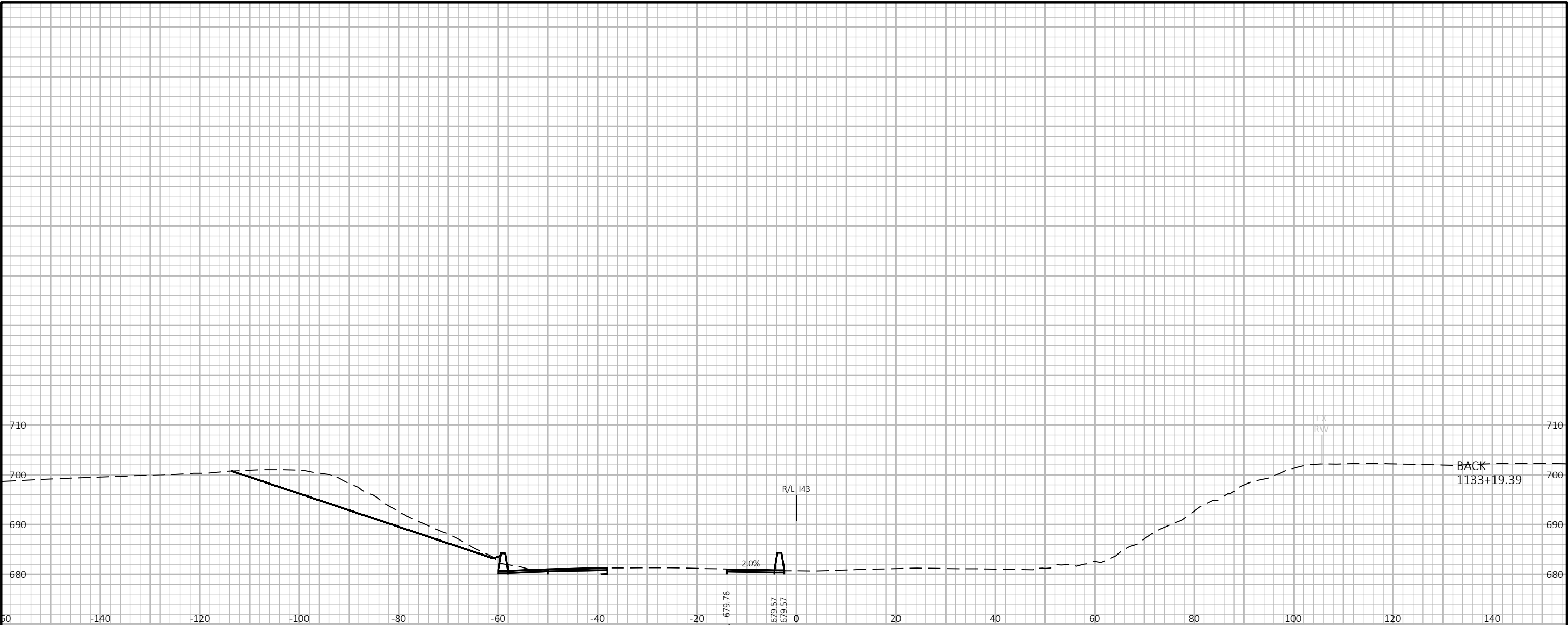


PROJECT NO:	1228-16-71	HWY:	IH-43	COUNTY:	MILWAUKEE	CROSS SECTIONS:	I-43	SHEET	E
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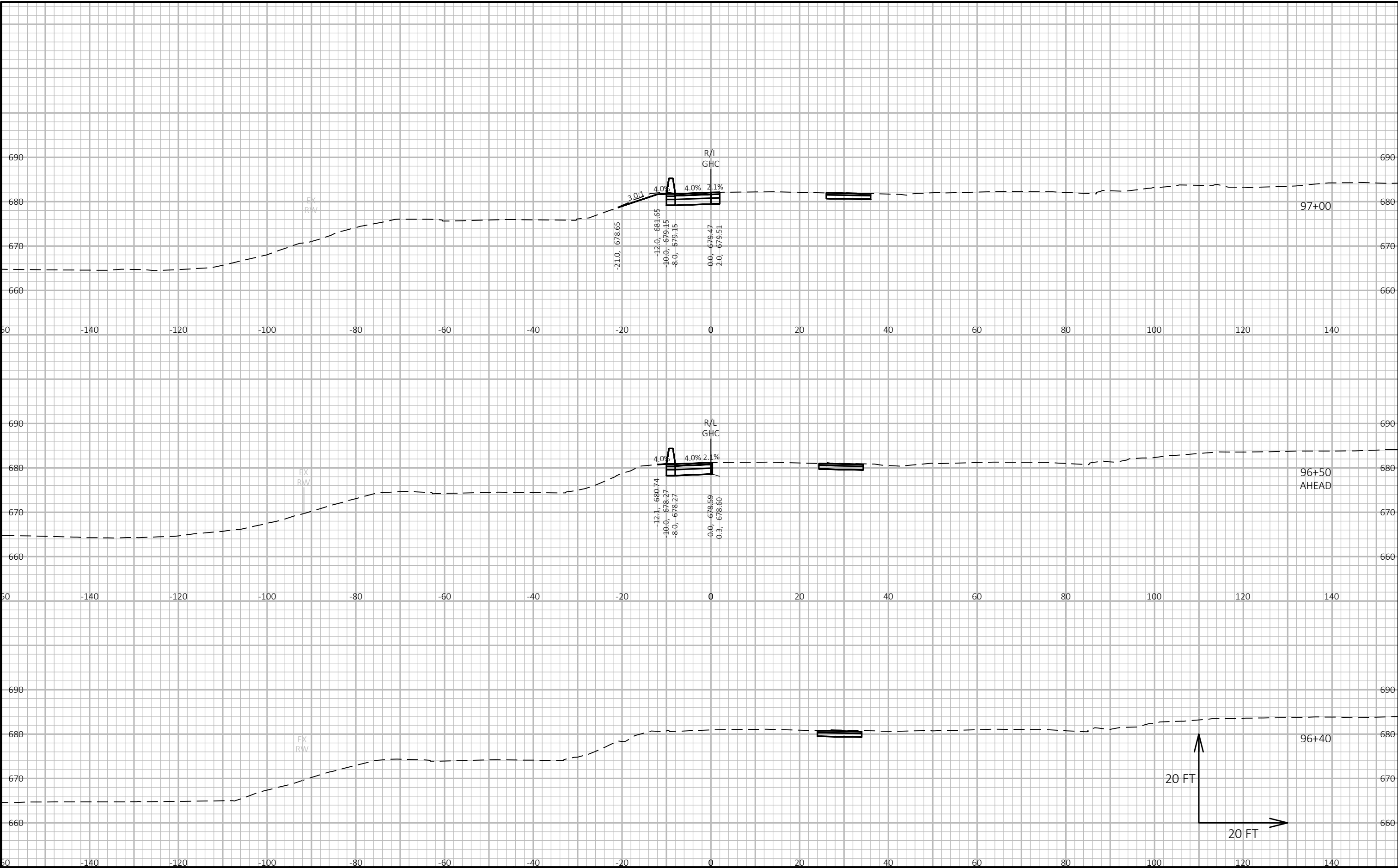








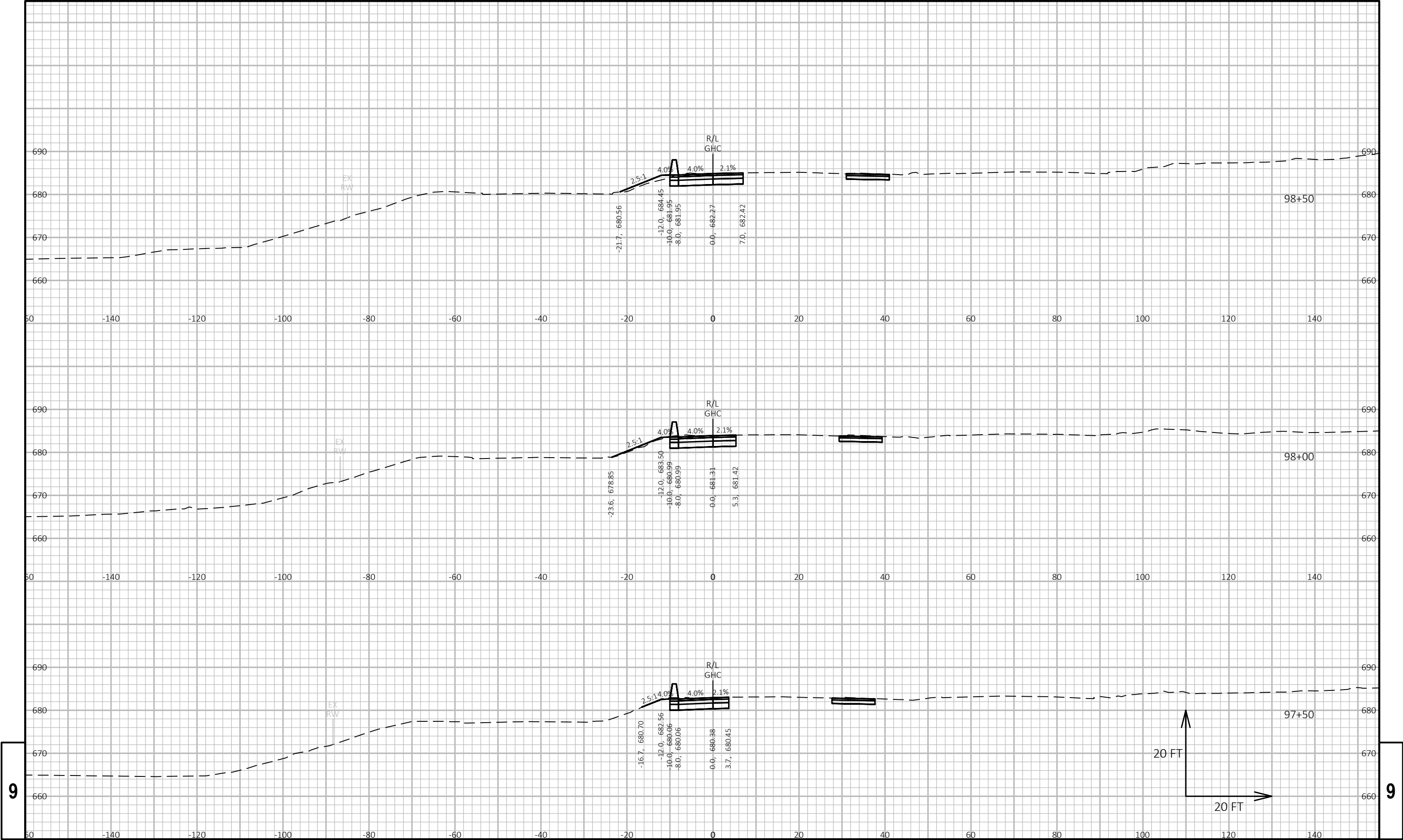
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET	E
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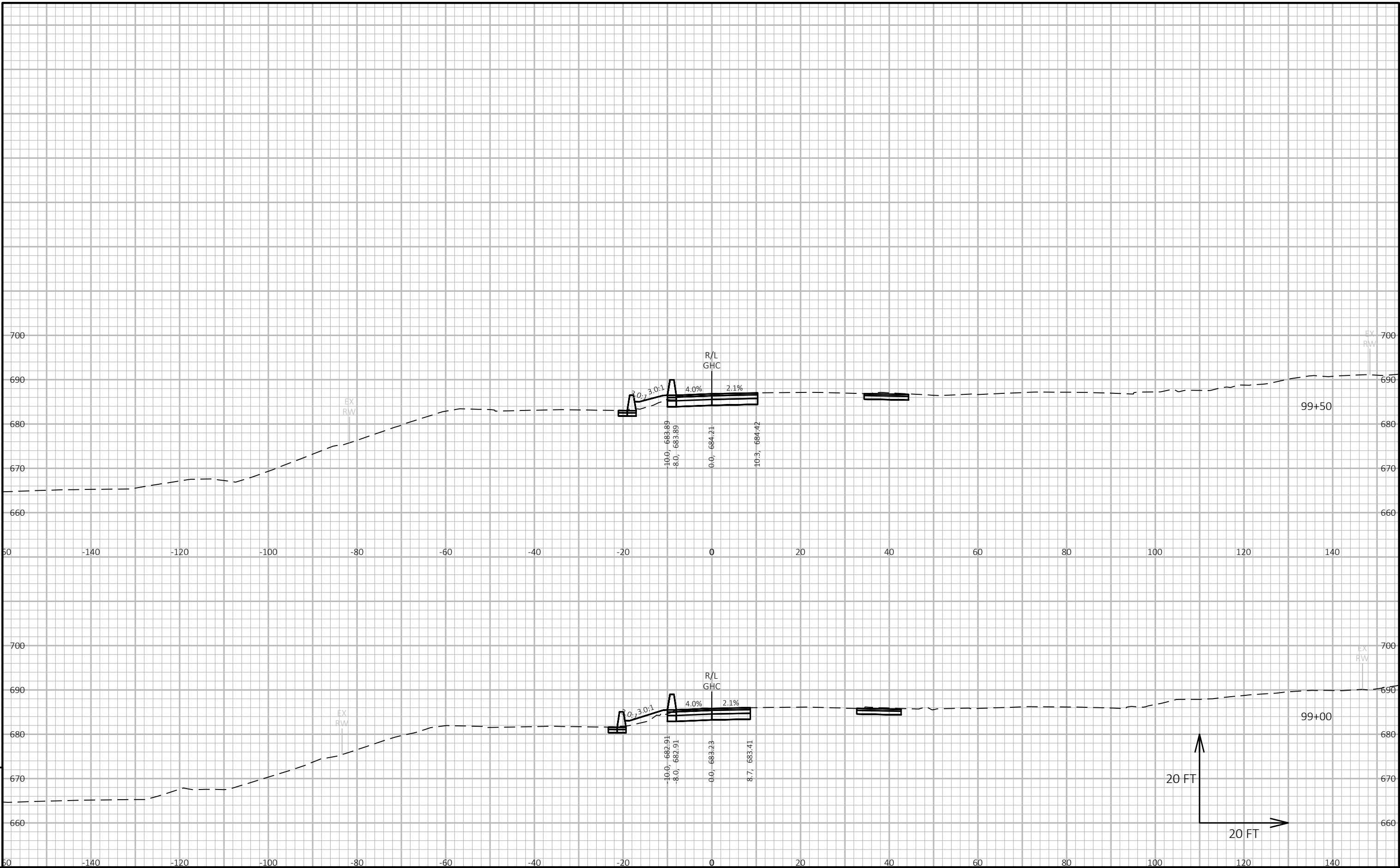
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GOODHOPE SB ON RAMP	SHEET	E
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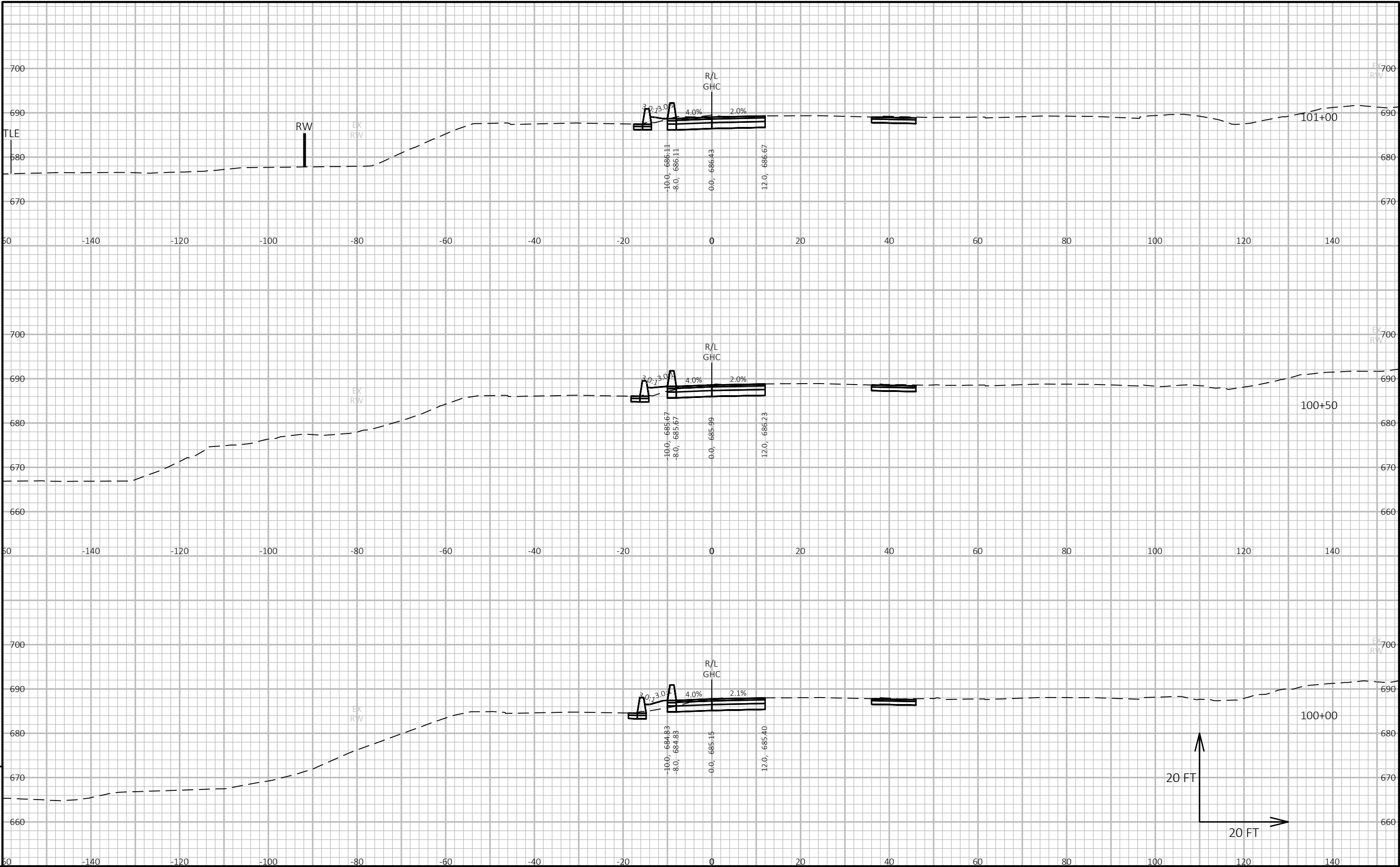


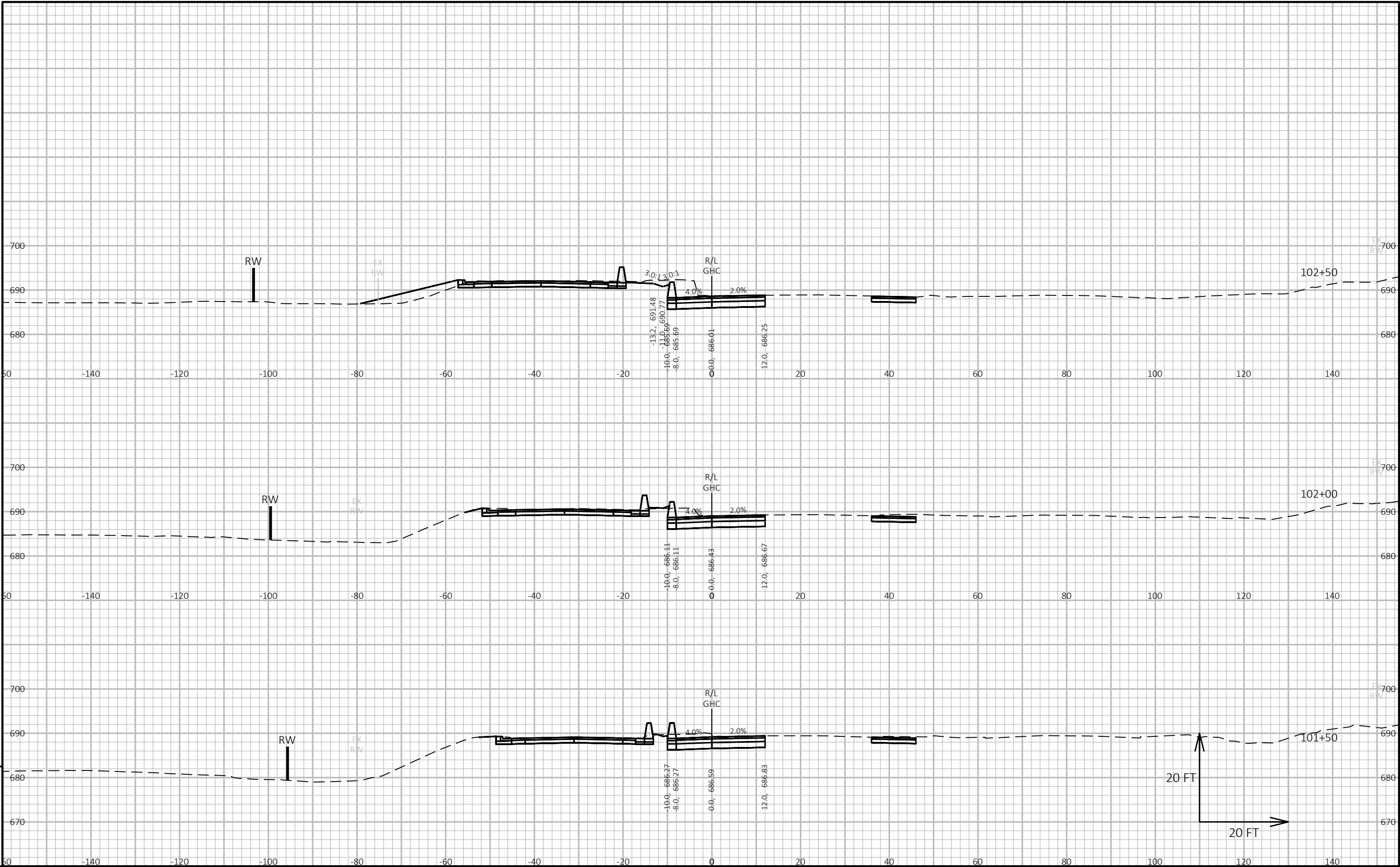
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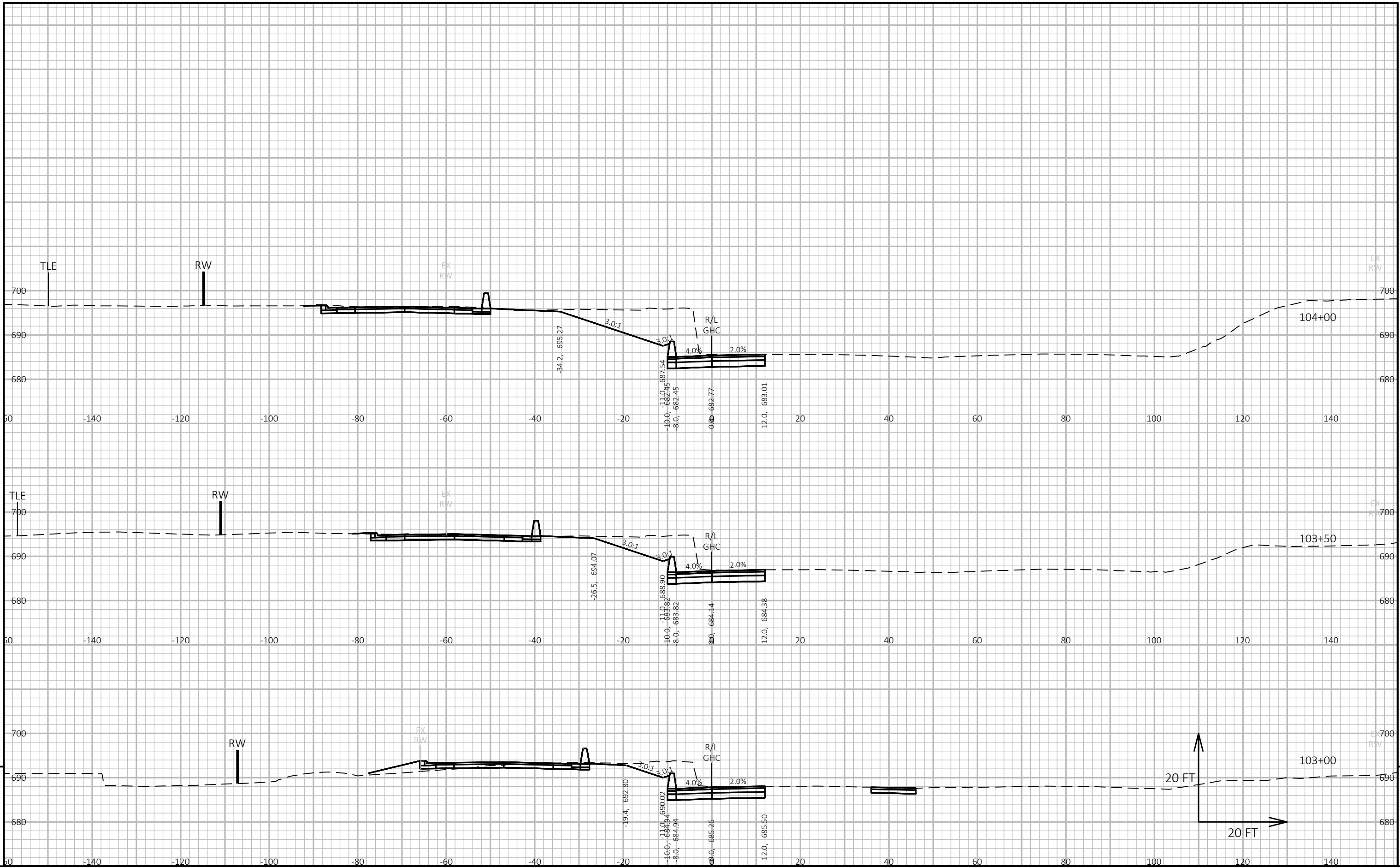
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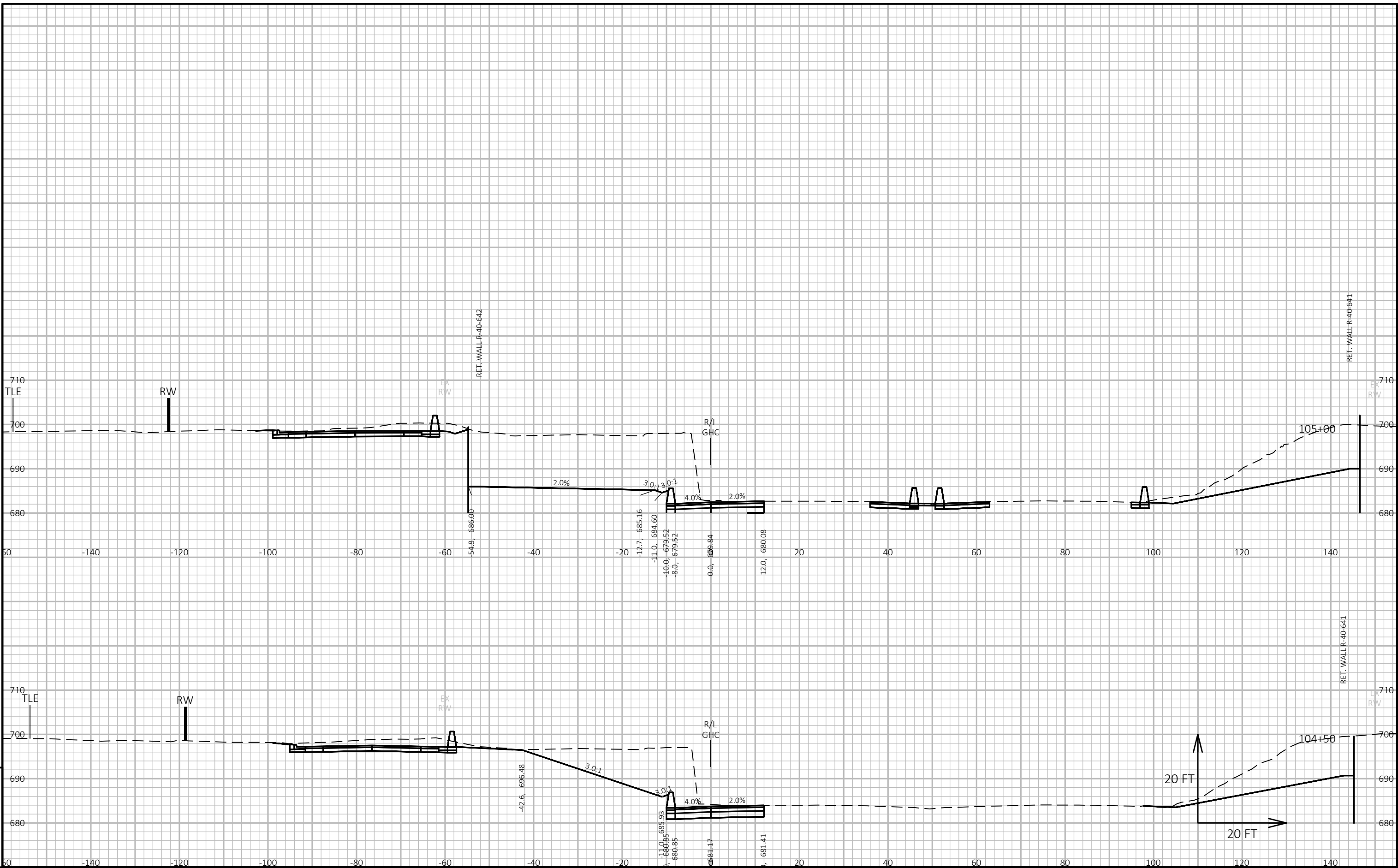
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GOODHOPE SB ON RAMP	SHEET	E
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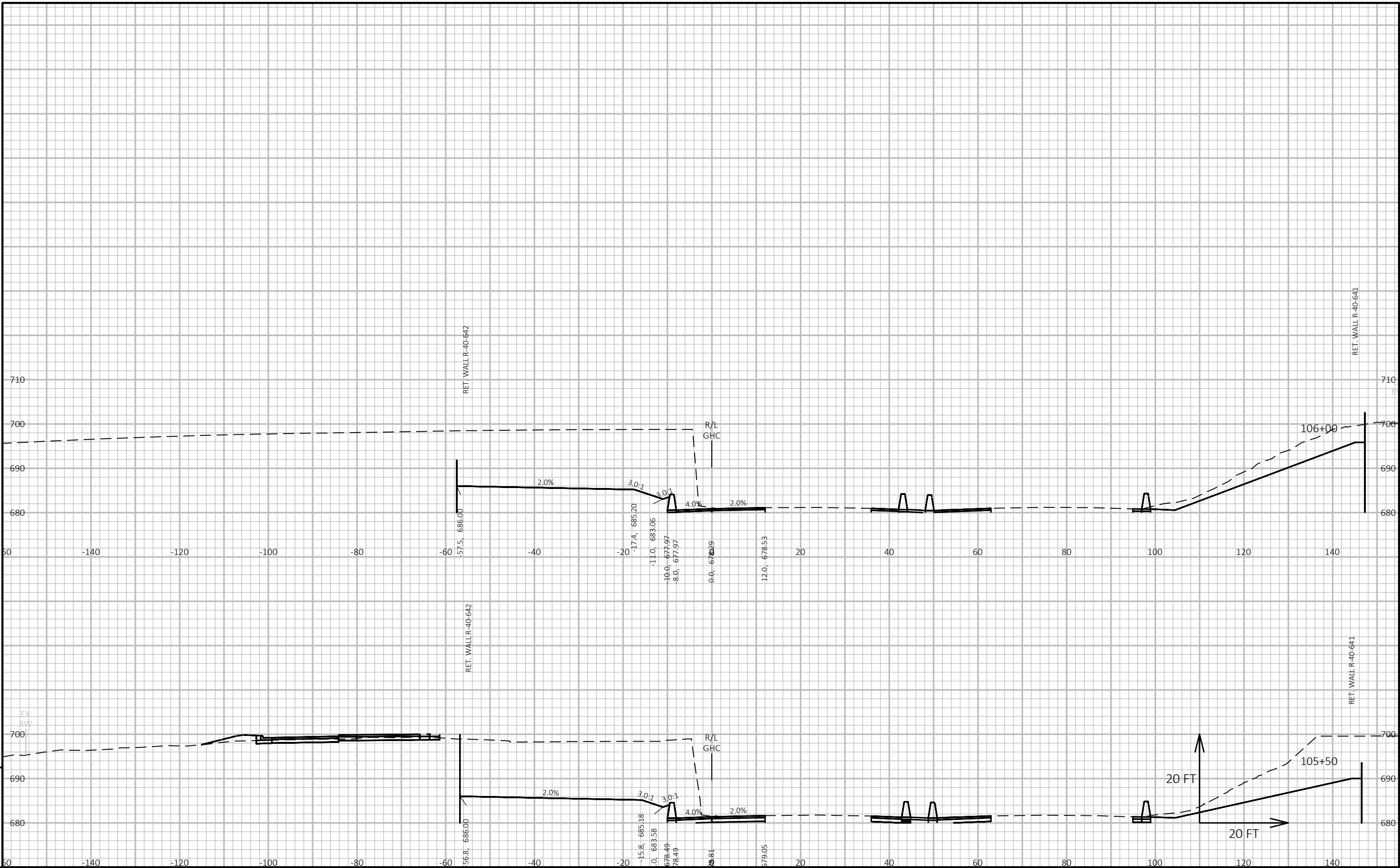




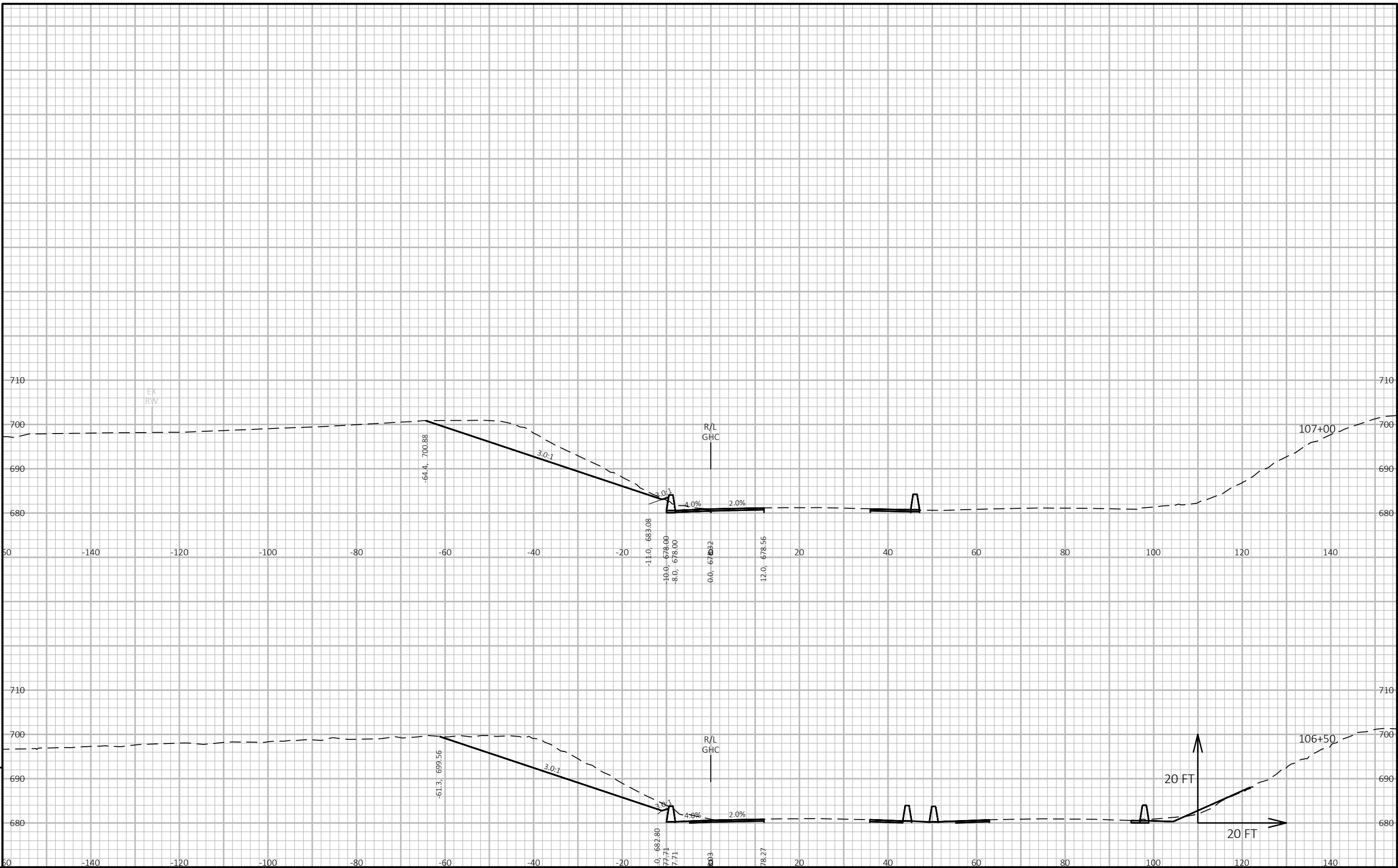


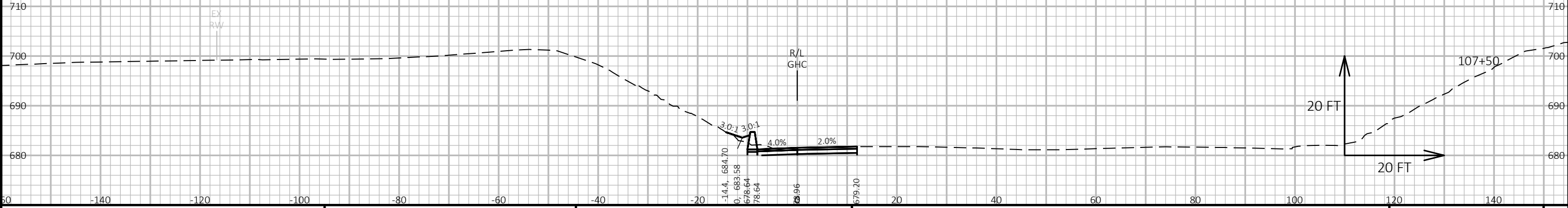
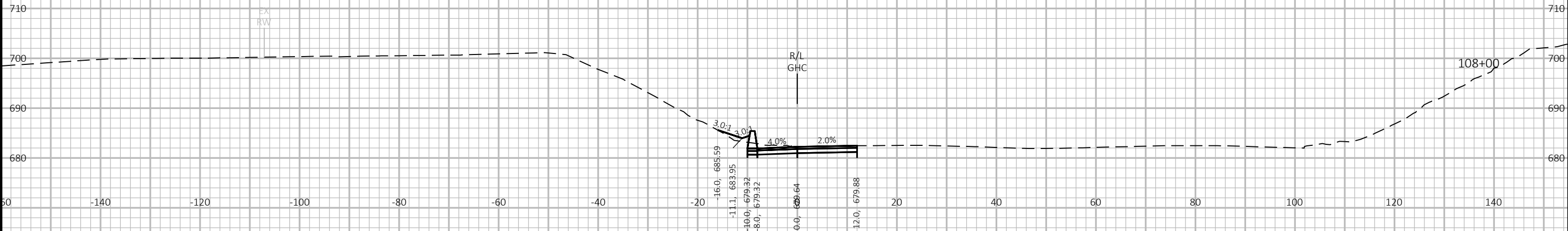
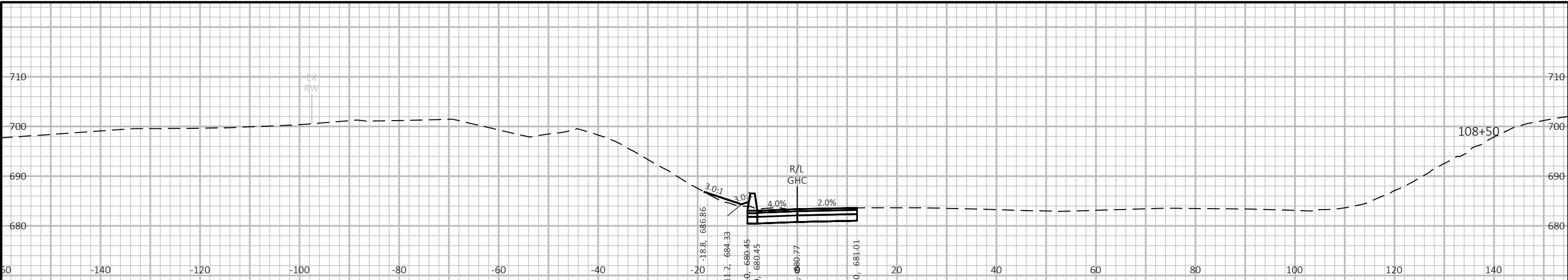


PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GOODHOPE SB ON RAMP	SHEET	9
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PROJECT NO:	1228-16-71	HWY:	IH-43	COUNTY:	MILWAUKEE	CROSS SECTIONS:	GOODHOPE SB ON RAMP	SHEET	9
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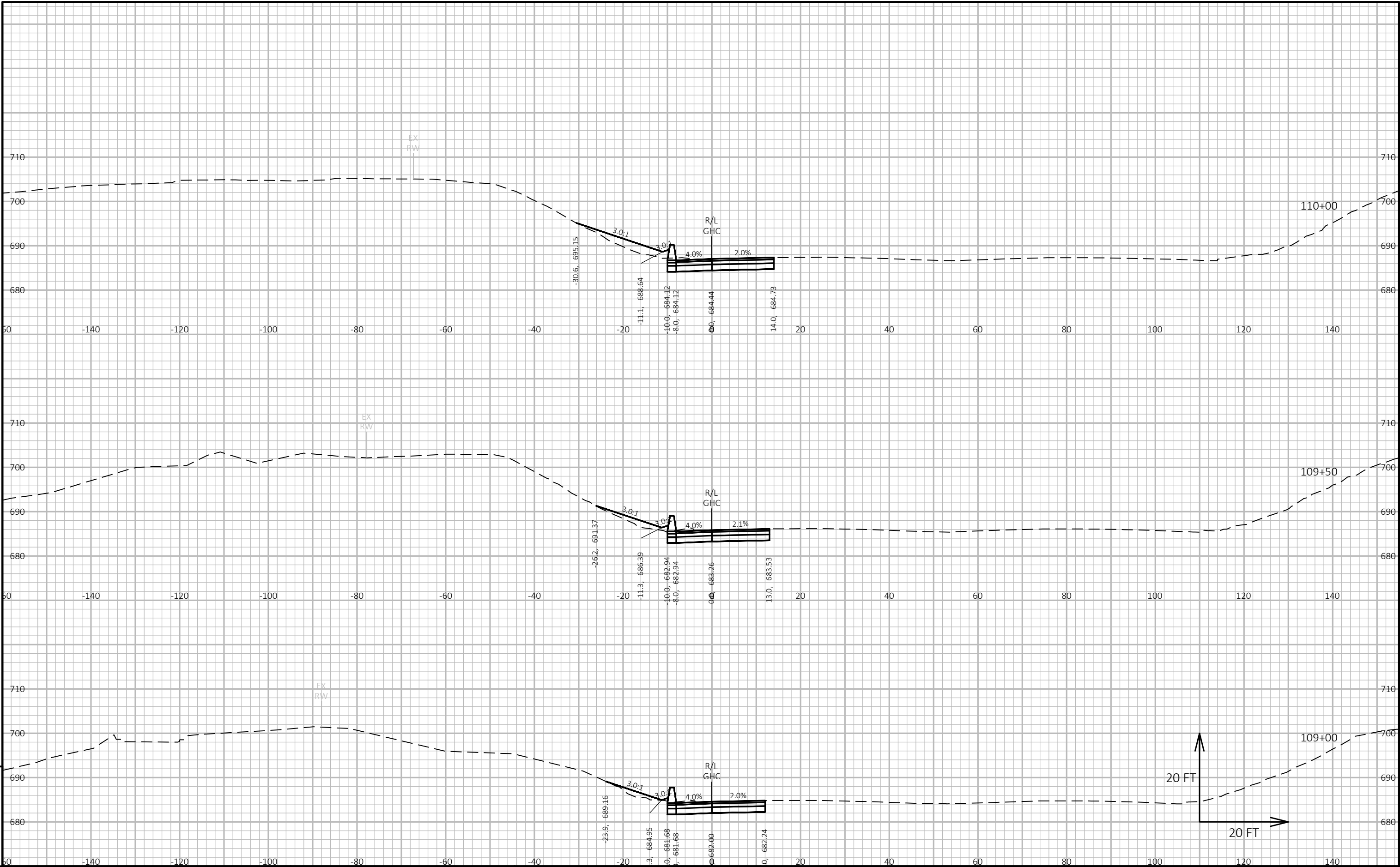


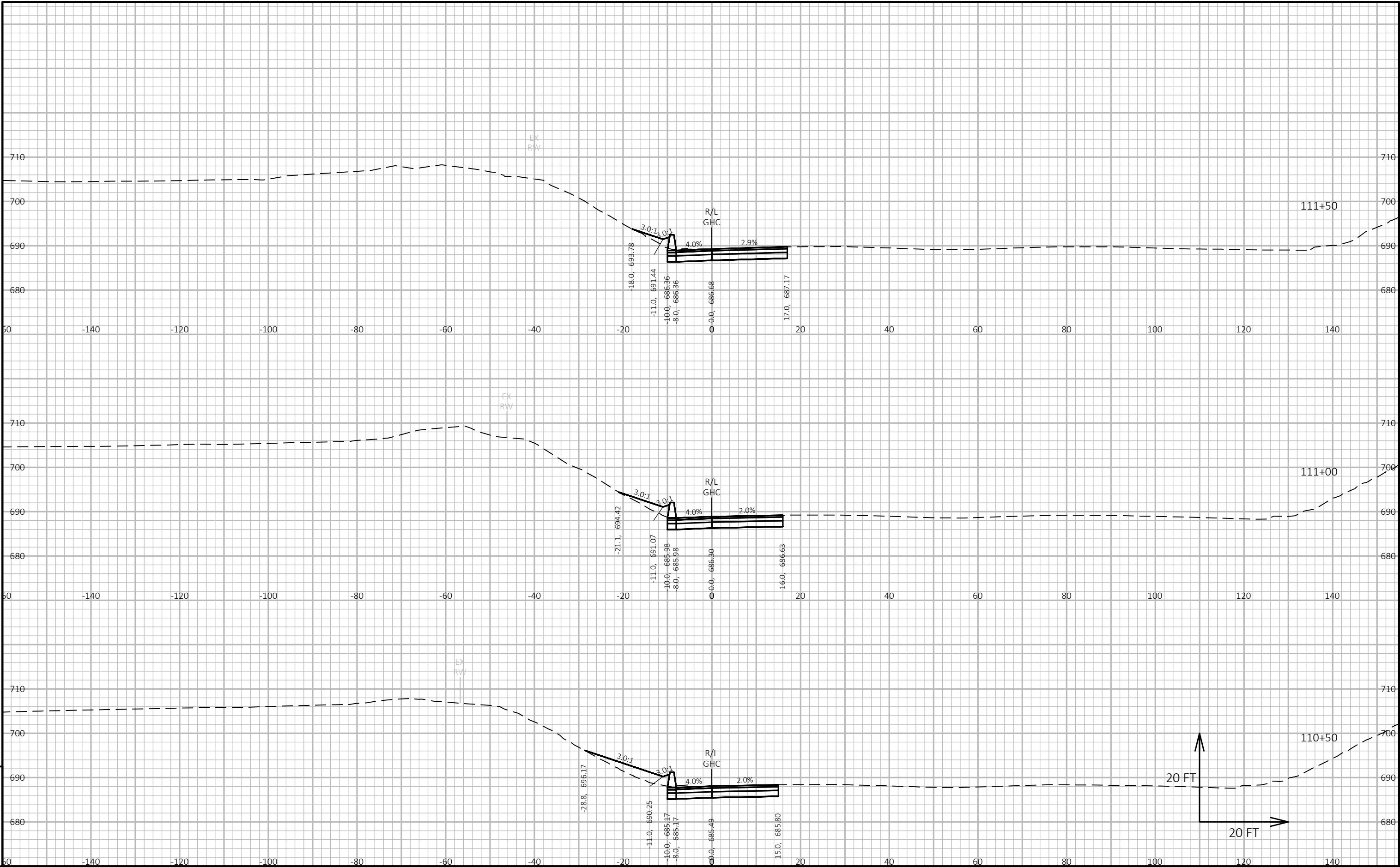


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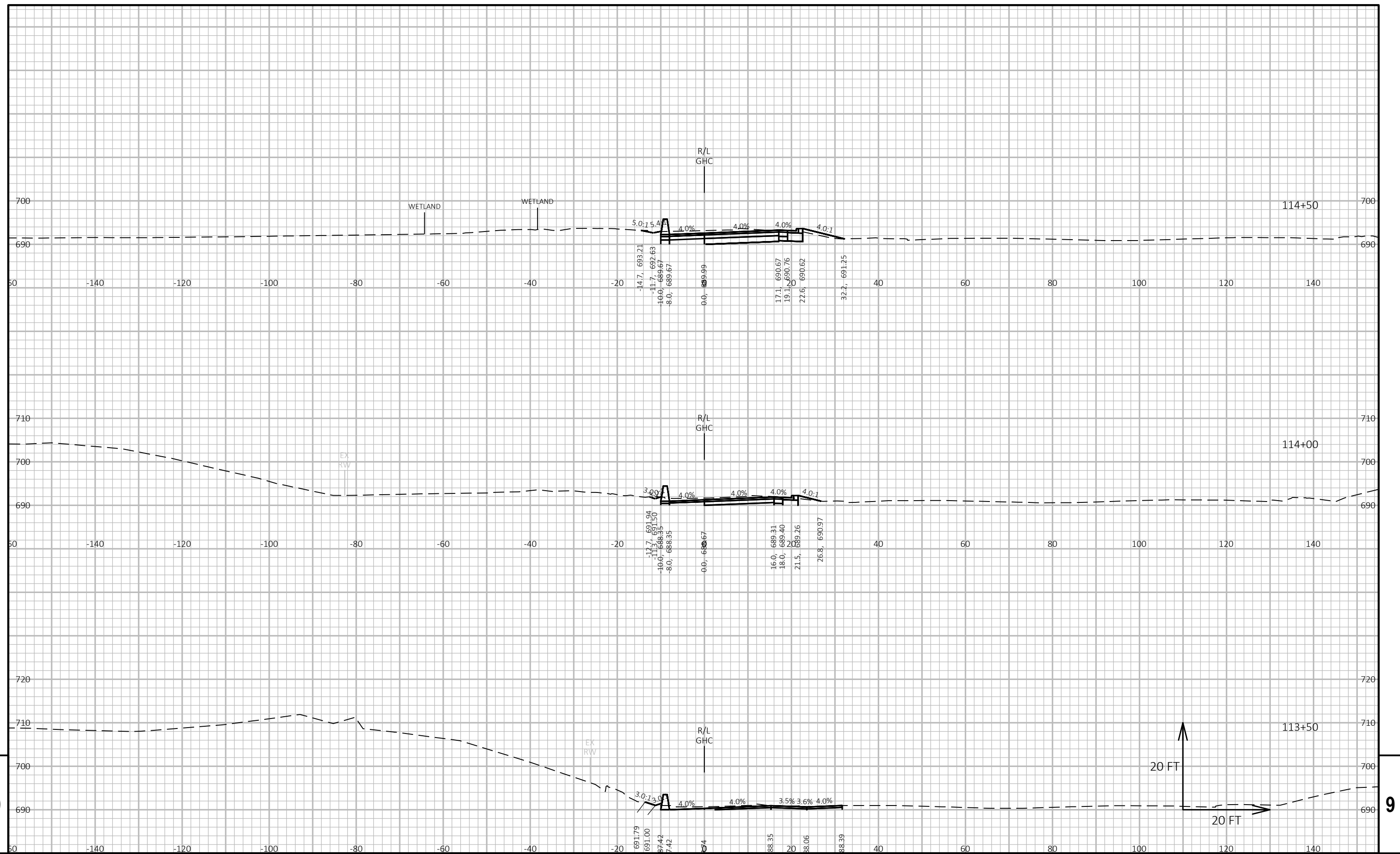
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: GOODHOPE SB ON RAMP	SHEET	E
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PROJECT NO:	1228-16-71
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HWY: IH-43

COUNTY: MILWAUKEE

CROSS SECTIONS: GOODHOPE SB ON RAMP

SHEET

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FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\090604_XS_GHC.DWG
LAYOUT NAME - 090514_XS

PLOT DATE : 8/14/2017 1:23 PM

PLOT BY : CODY TOMSAK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

