

PROJECT ID: 2025-07-73
WITH: N/A

COUNTY: WAUKESHA

ORDER OF SHEETS

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

TOTAL SHEETS =



DESIGN DESIGNATION	2025-07-73
A.A.D.T.	2019 = 27,900
A.A.D.T.	2045 = 28,300
D.H.V.	= 3,540
D.D.	= 59,41
T.	= 4.7%
DESIGN SPEED	= 30-60 MPH
ESALS	= 3,300,000 (CONCRETE) 2,400,000 (ASPHALT)

CONVENTIONAL SYMBOLS

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

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

	ROCK
	LABEL
	95.36
	E
	FO
	G
	SAN
	SS
	T
	W

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

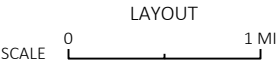
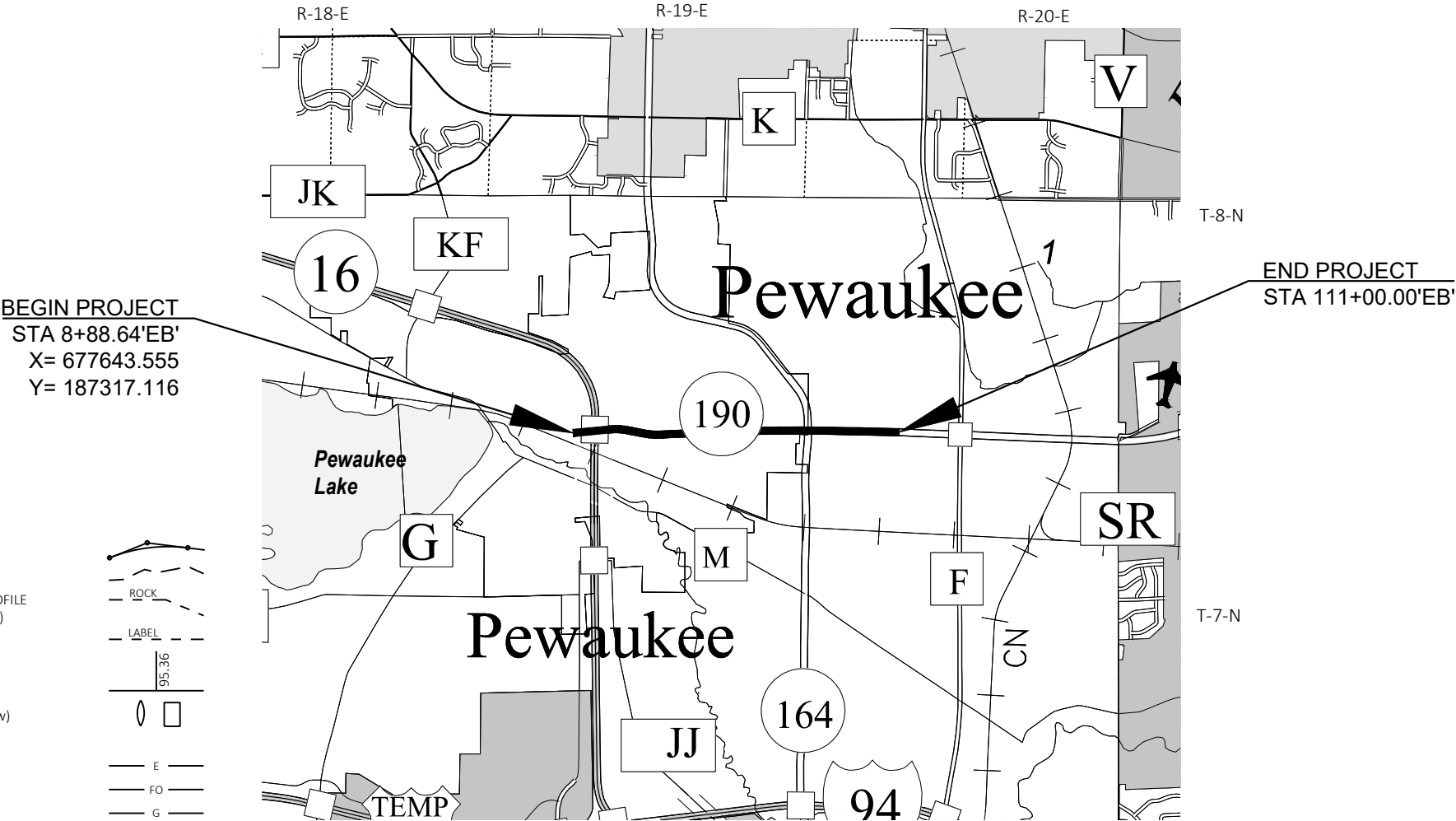
PEWAUKEE - SHOREWOOD

STH 16 TO .3 MI E OF 5 FIELDS RD

STH 190

WAUKESHA COUNTY

STATE PROJECT NUMBER
2025-07-73



TOTAL NET LENGTH OF CENTERLINE = 1.939 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2025-07-73		

60% PLAN SUBMITTAL

ORIGINAL PLANS PREPARED BY
AYRES

DATE: _____
(Professional Engineer Signature)

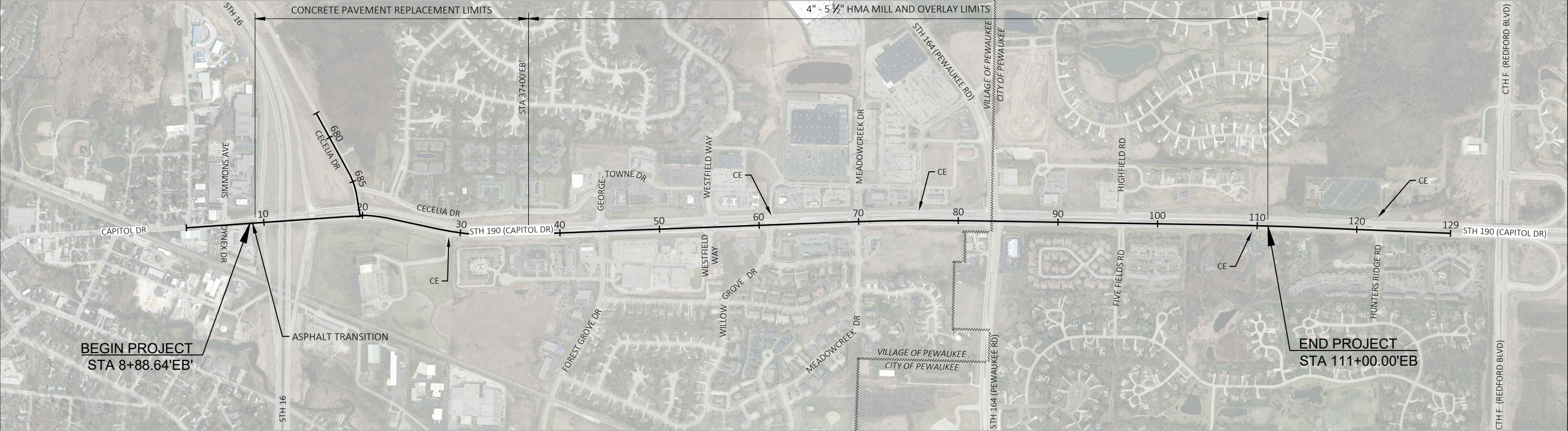
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor _____ AYRES
Designer _____ AYRES
Project Manager _____ NGUYEN LY
Regional Examiner _____ REGIONAL EXAMINER
Regional Supervisor _____ BENEDICT ERUCHALU

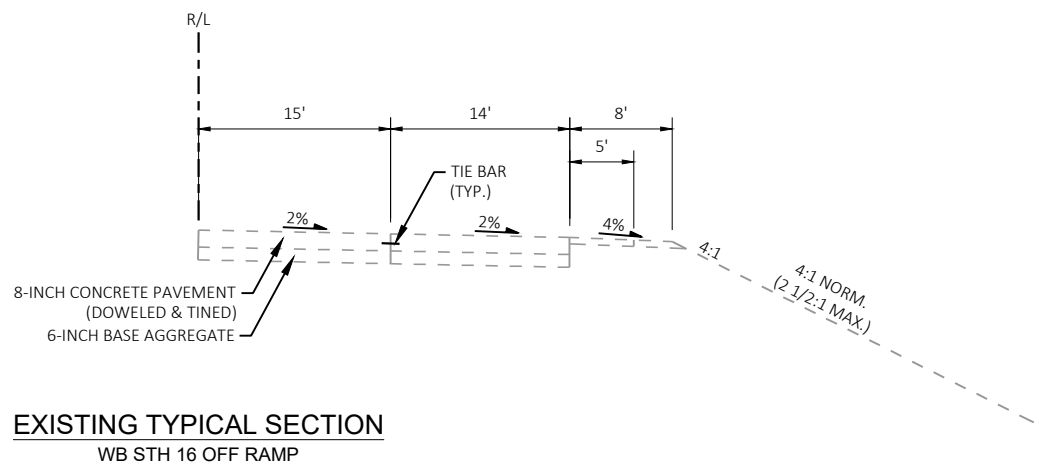
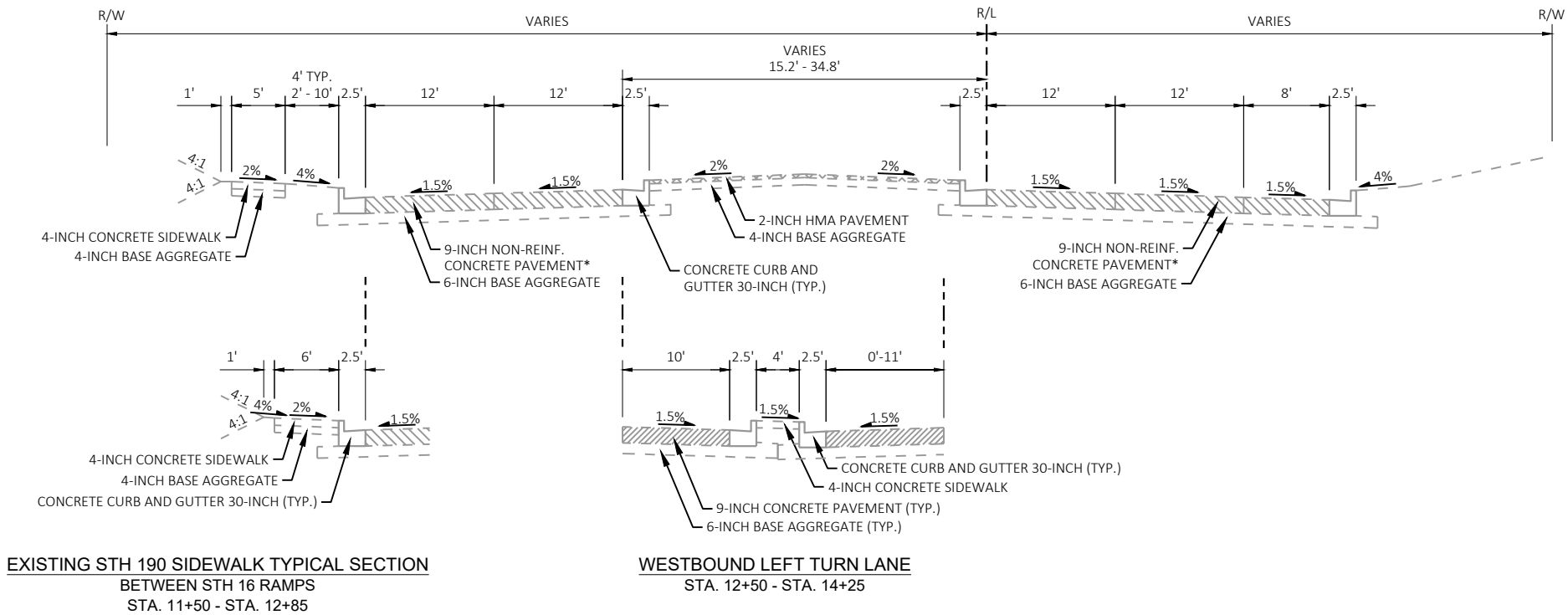
APPROVED FOR THE DEPARTMENT
DATE: _____
(Signature)

E

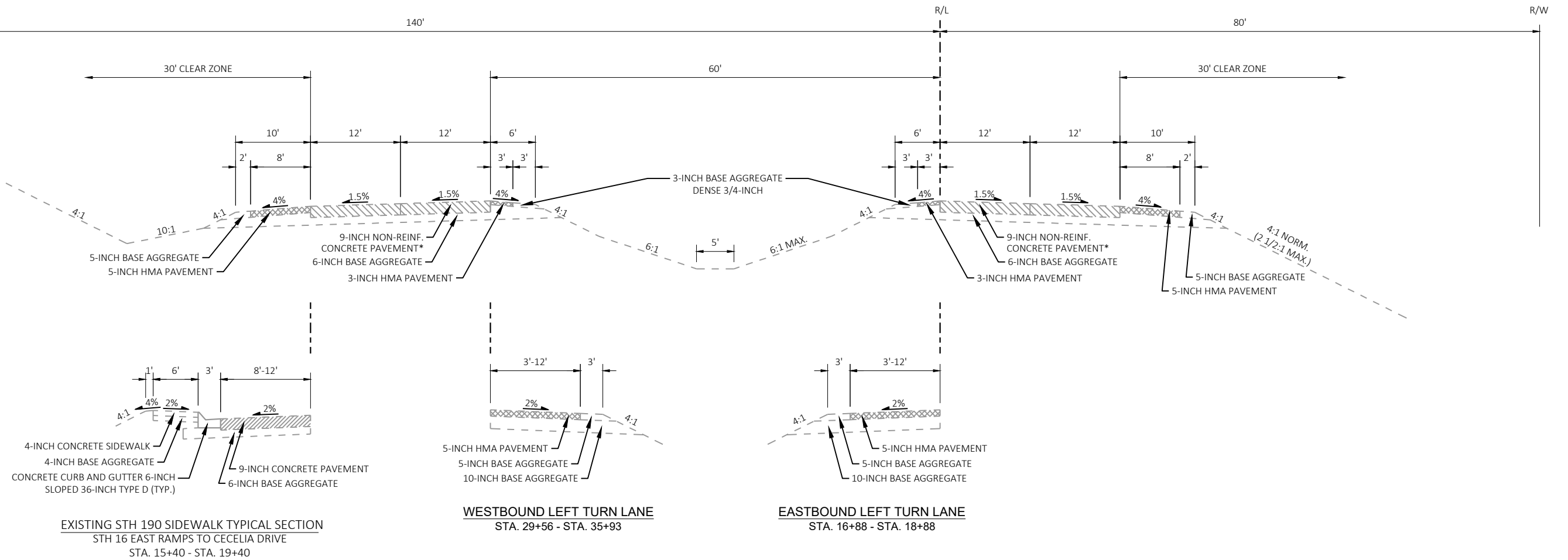
2	<u>GENERAL NOTES</u>			<u>STANDARD ABBREVIATIONS</u>		<u>PROJECT CONTACTS</u>			2			
	NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.			A.D.T. AVERAGE DAILY TRAFFIC		WISCONSIN DEPARTMENT OF NATURAL RESOURCES				SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION		
	THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.			A.A.D.T. AVERAGE ANNUAL DAILY TRAFFIC		DNR SERVICE CENTER.				W239 N1812 ROCKWOOD DR		
	NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.			ABUT ABUTMENT		CRAIG WEBSTER				P.O. BOX 1607		
	MAINTAIN ACCESS TO ALL BUSINESSES AND OTHER PROPERTIES ADJACENT TO THE PROJECT AT ALL TIMES.			AC ACRE		141 NW BARSTOW ST, ROOM 180				WAUKESHA, WI 53187-1607		
	A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT MEETS AN EXISTING PAVED SURFACE.			AGG AGGREGATE		PH: (262) 574-2141				PH: (262) 953-4295		
	TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.			AH AHEAD		CRAIG.WEBSTER@WISCONSIN.GOV				FAX: (262) 547-1103		
	PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.			ASPH ASPHALTIC						JWASHBURN@SEWRPC.ORG		
	THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.			AVG AVERAGE								
	STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOOD PLAINS, AND WATERWAYS. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.			BK BACK								
RE-TOPSOIL OF GRADED AREA, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED IN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED OR STOCKPILED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.			BM BENCH MARK									
CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT. ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.			BOC BACK OF CURB									
STATIONS, OFFSETS, AND INVERT ELEVATIONS REFERENCE THE FOLLOWING LOCATIONS:			CB CATCH BASIN									
MANHOLES- CENTER OF STRUCTURE			CE COMMERCIAL ENTRANCE									
FIELD INLETS- CENTER OF STRUCTURE			CL OR C/L CENTERLINE									
CURB INLETS- FACE OF CURB			C&G CURB AND GUTTER									
ENDWALLS- END OF PIPE			CONC CONCRETE									
THE FOLLOWING CONVERSION FACTORS WERE USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE:			CP CONTROL POINT									
- 3/4-INCH = 2.1 TONS/CY			CPRC CULVERT PIPE REINFORCED CONCRETE									
- 1 1/4-INCH = 2.0 TONS/CY			CPCS CULVERT PIPE CORRUGATED STEEL									
A CONVERSION FACTOR OF 1.9 TONS/CY IS USED TO ESTIMATE QUANTITIES OF BREAKER RUN.			CTH COUNTY HIGHWAY									
A CONVERSION FACTOR OF 112 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.			CWT HUNDREDWEIGHT									
ALL ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:			CY CUBIC YARD									
ITEM TOTAL PAVEMENT LAYER HMA PAVEMENT			D DEGREE OF CURVE									
CODE DEPTH (INCH) DEPTH (INCH) ITEM			D.D DIRECTIONAL DISTRIBUTION									
HMA 4 4.5 UPPER:1.75 4 MT 58-28 S			D.H.V DESIGN HOURLY VOLUME									
LOWER: 2.75 3 MT 58-28 S			DISCH DISCHARGE									
HMA 7 7.25 UPPER:1.75 4 MT 58-28 S			DWY DRIVEWAY									
LOWER: 5.5 3 MT 58-28 S			EAT ENERGY ABSORBING TERMINAL									
			EBS EXCAVATION BELOW SUBGRADE									
			EL ELEVATION									
			ESALS EQUIVALENT SINGLE AXEL LOAD									
			EW / AEW APRON ENDWALL									
			EXC EXCAVATION									
			EXIST EXISTING									
			FERT FERTILIZE									
			FE FIELD ENTRANCE									
			FL FLOW LINE									
			FO FIBER OPTIC									
			HE HELICAL ELLIPTICAL									
			HYD HYDRANT									
			ID INSIDE DIAMETER									
			IN / INL INLET									
			INV INVERT									
			L LENGTH OF CURVE									
			LF LINEAR FEET									
			LHF LEFT-HAND FORWARD									
			LS LUMP SUM									
			MH MANHOLE									
			NC NORMAL CROWN									
			PAVT PAVEMENT									
			PCC POINT OF COMPOUND CURVE									
			PC POINT OF CURVATURE									
			PE PRIVATE ENTRANCE									
			PI POINT OF INTERSECTION									
			PRC POINT OF REVERSE CURVATURE									
			PVD PAVED									
			R RADIUS									
			RDWY ROADWAY									
			REQ'D REQUIRED									
			RES RESIDENCE OR RESIDENTIAL									
			RHF RIGHT HAND FORWARD									
			R/W RIGHT OF WAY									
			R RIVER									
			R/L REFERENCE LINE									
			SAN SANITARY SEWER									
			SF SQUARE FEET									
			SDD STANDARD DETAIL DRAWINGS									
			SHLD SHOULDER									
			SS STORM SEWER									
			SSPRC STORM SEWER PIPE REINFORCED CONCRETE									
			STA STATION									
			STH STATE HIGHWAY									
			T TANGENT									
			T/TN TOWN									
			TYP TYPICAL									
			VAR VARIABLE									
			VC VERTICAL CURVE									
			X EAST GRID COORDINATE									
			Y NORTH GRID COORDINATE									
			YD YARD									



PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E
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- * CONTINUOUS DIAMOND GRIND 2012-2013, ASBUILT 2025-13-70
- ASPHALTIC PAVEMENT, CONST YR 1984, ASBUILT 1371-04-78
- CONCRETE PAVEMENT, CONST YR 1984, ASBUILT 1371-04-78
- CONCRETE PAVEMENT, CONST YR 2013, ASBUILT 2025-13-70

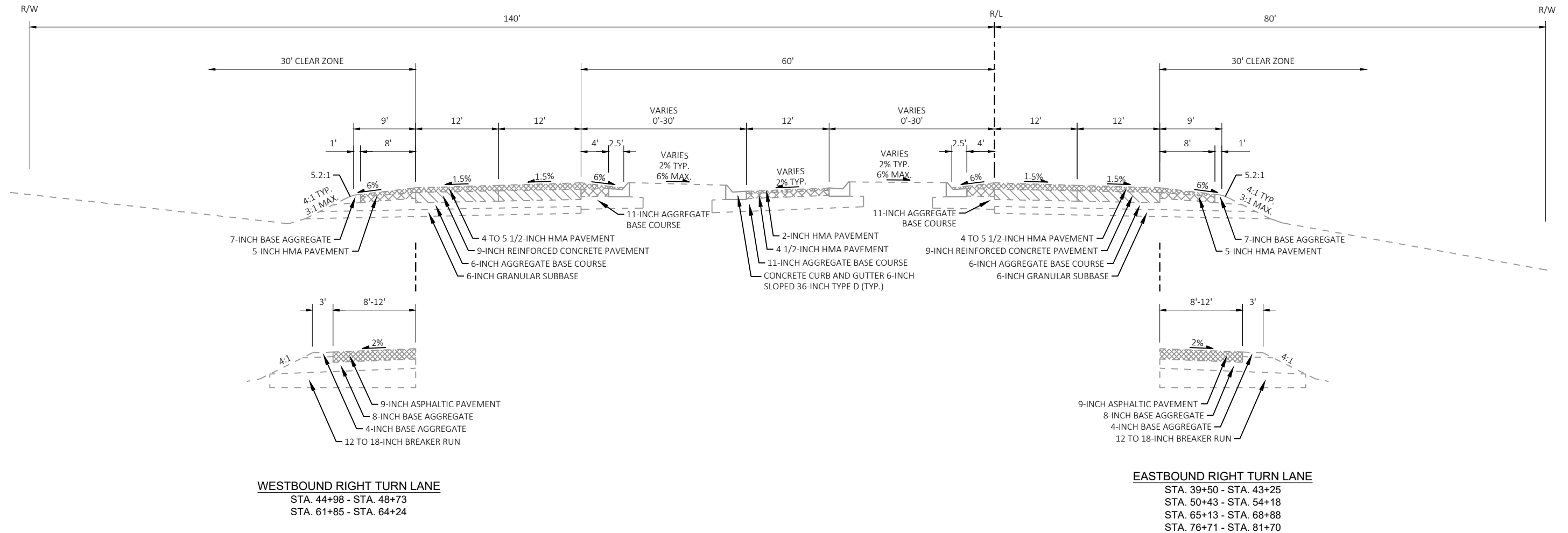


* CONTINUOUS DIAMOND
GRIND 2012-2013,
ASBUILT 2025-13-70

CONCRETE PAVEMENT,
CONST YR 1984,
ASBUILT 1371-04-78

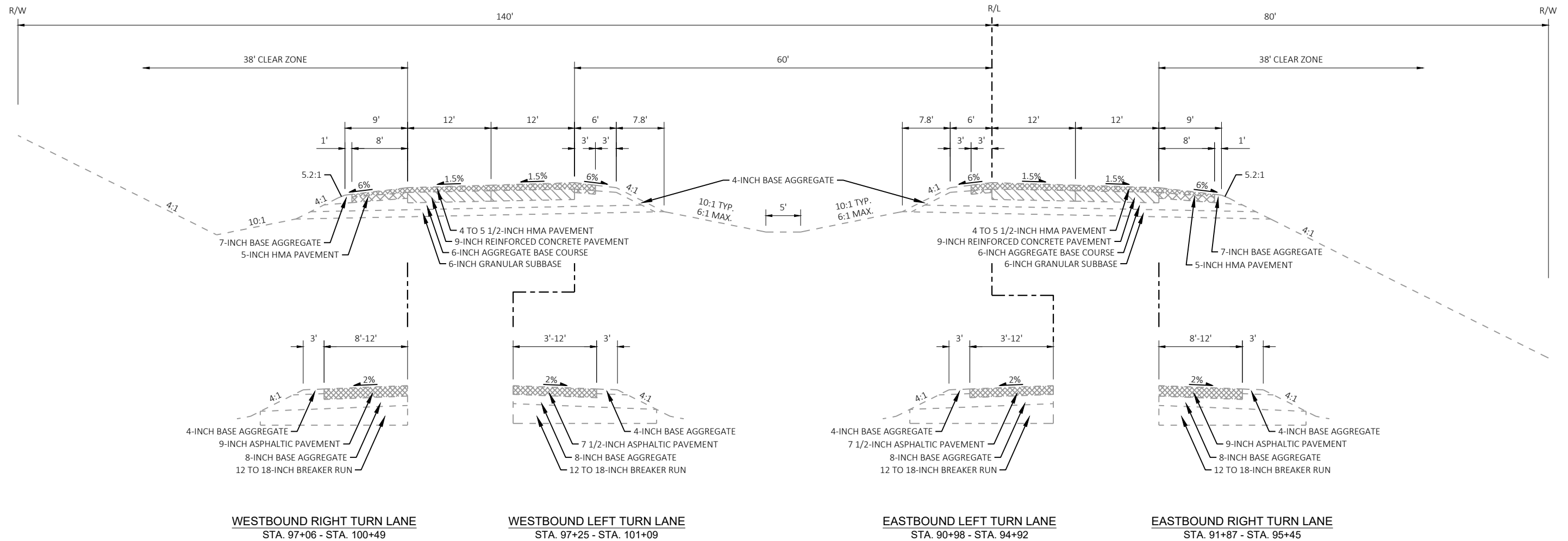
CONCRETE PAVEMENT,
CONST YR 2013,
ASBUILT 2025-13-70

ASPHALTIC PAVEMENT,
CONST YR 2013,
ASBUILT 2025-13-70



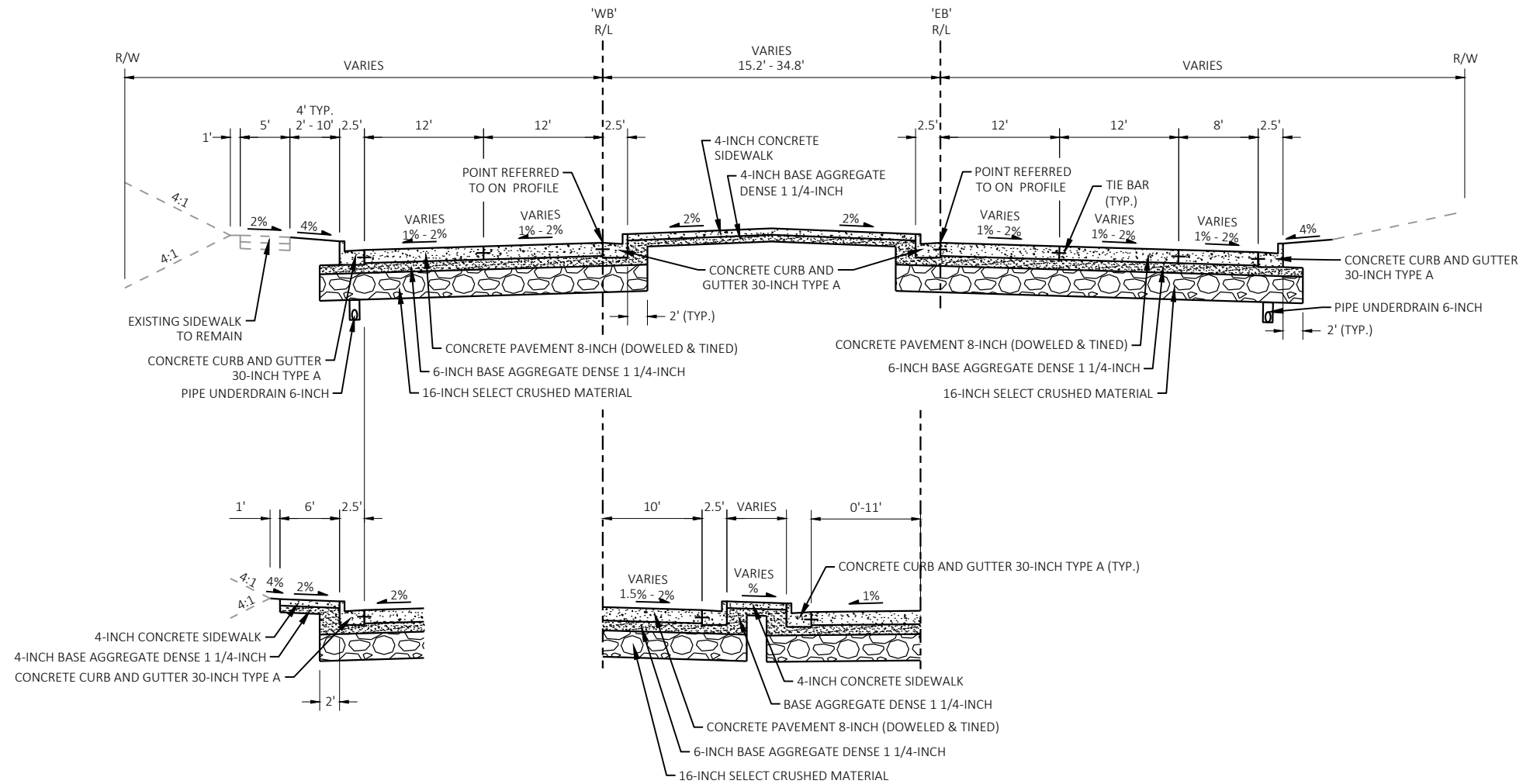
EXISTING TYPICAL SECTION
STH 190
STA. 37+00 - STA. 87+00

-  CONCRETE PAVEMENT,
CONST YR 1966,
ASBUILT F06-1(44)
-  ASPHALTIC PAVEMENT,
CONST YR 2013,
ASBUILT 2025-13-70
-  ASPHALTIC PAVEMENT,
CONST YR 1984,
ASBUILT 1371-04-78



EXISTING TYPICAL SECTION
STH 190
STA. 87+00 - STA. 111+00

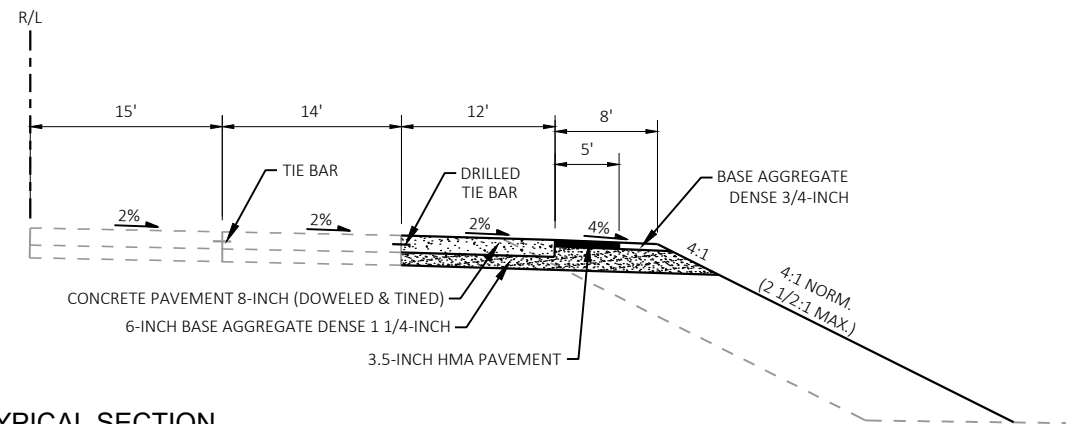
-  CONCRETE PAVEMENT,
CONST YR 1966,
ASBUILT F06-1(44)
-  ASPHALTIC PAVEMENT,
CONST YR 2013,
ASBUILT 2025-13-70
-  ASPHALTIC PAVEMENT,
CONST YR 1984,
ASBUILT 1371-04-78



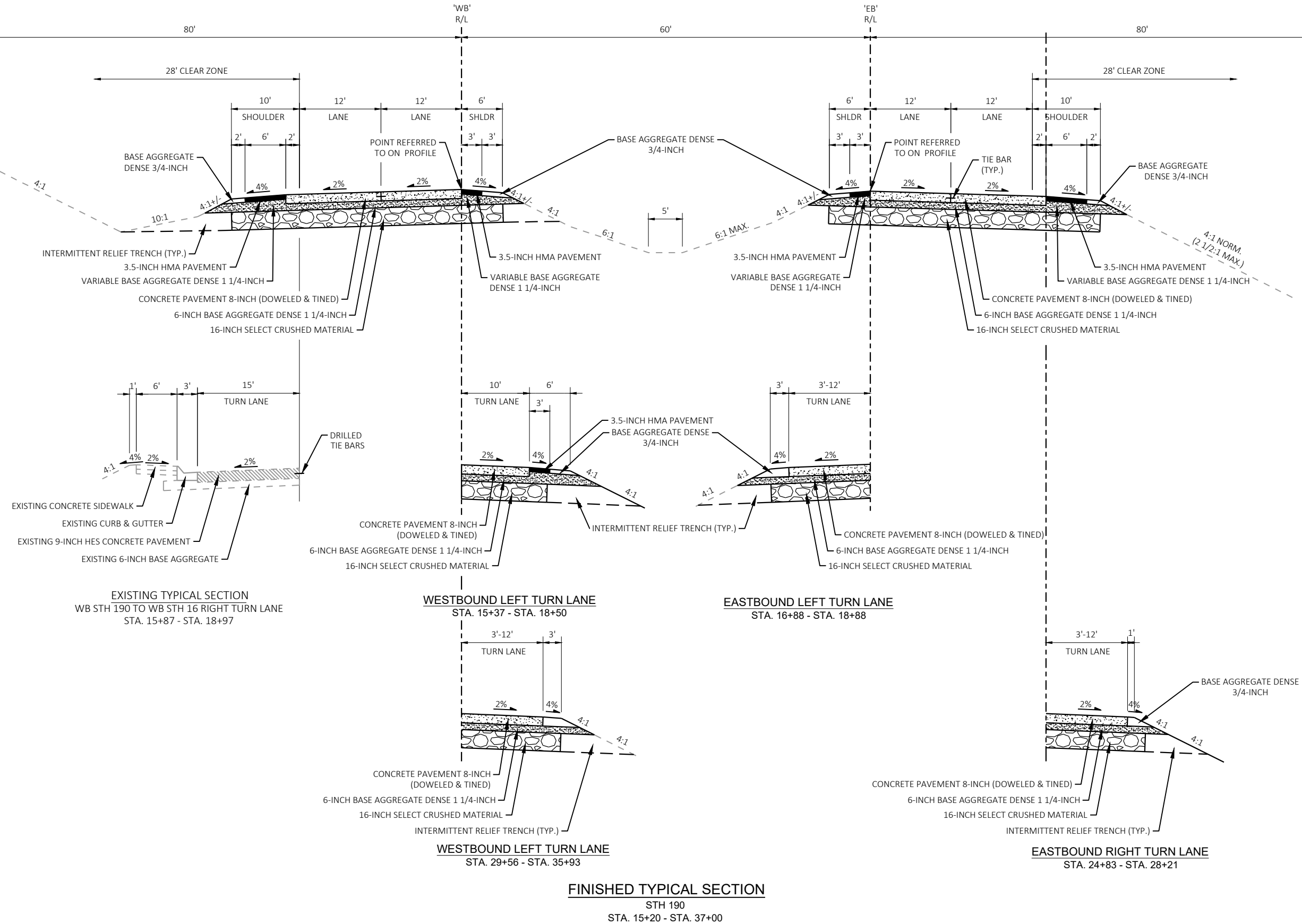
FINISHED STH 190 SIDEWALK TYPICAL SECTION
BETWEEN STH 16 RAMPS
STA. 11+50 - STA. 12+85

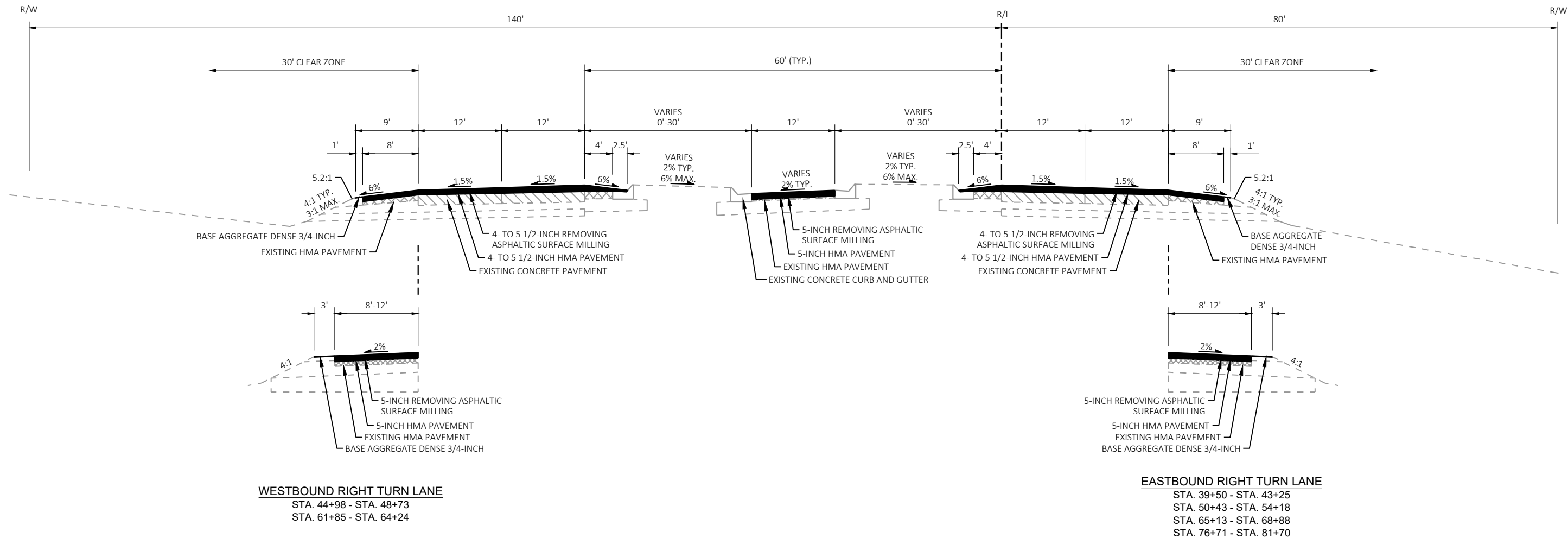
WESTBOUND LEFT TURN LANE
STA. 12+50 - STA. 14+25

FINISHED TYPICAL SECTION
STH 190
STA. 9+00 - STA. 15+20



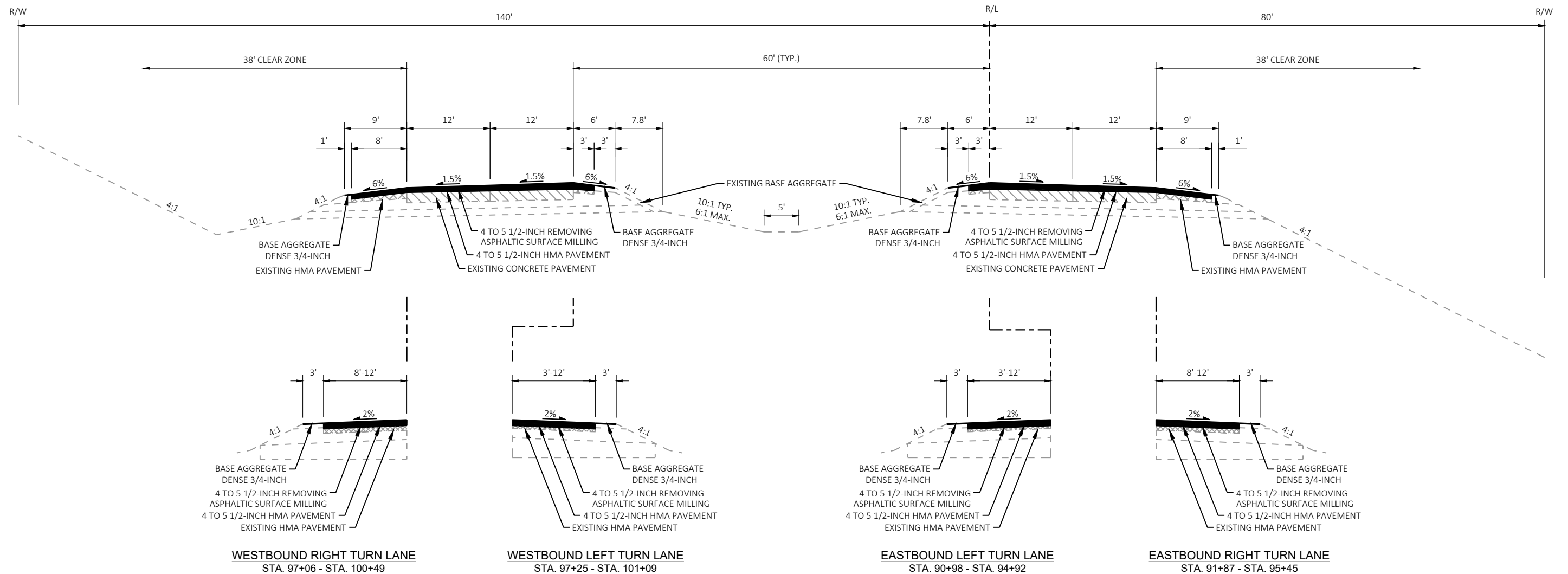
FINISHED TYPICAL SECTION
WB STH 16 OFF RAMP



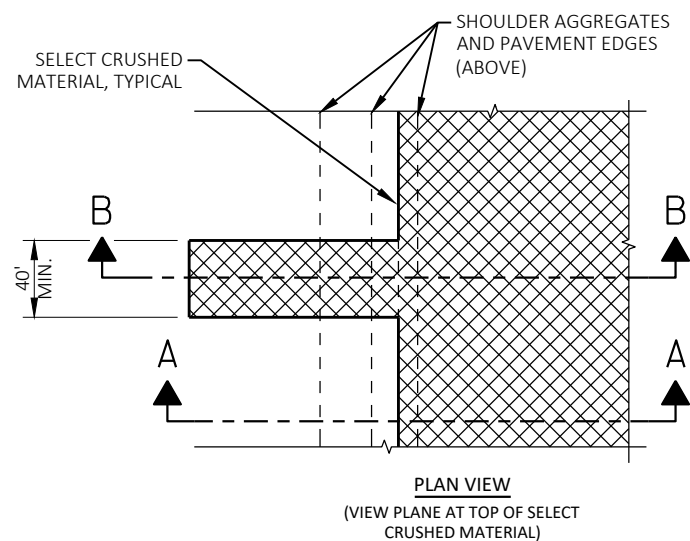
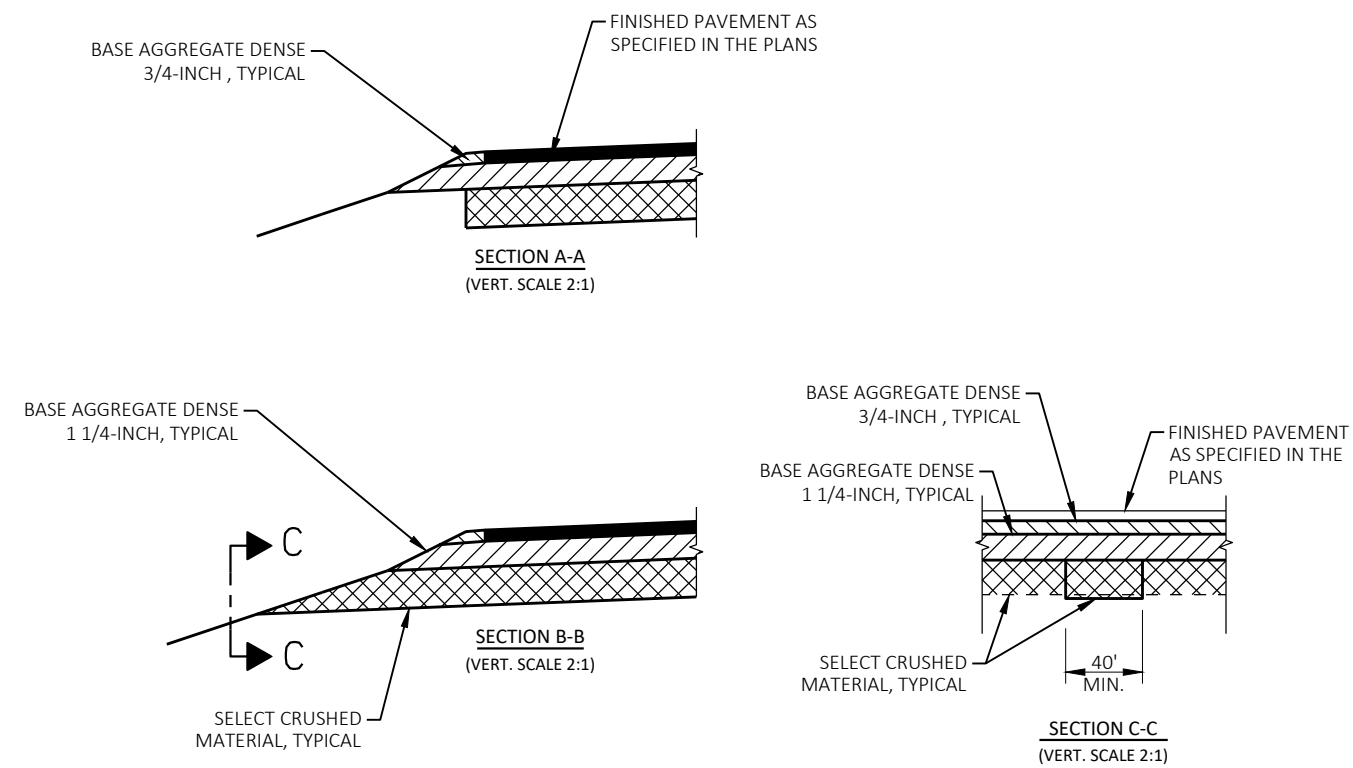


FINISHED TYPICAL SECTION
STH 190
STA. 37+00 - STA. 87+00

- ASPHALTIC PAVEMENT, PROPOSED
- CONCRETE PAVEMENT, CONST YR 1966, ASBUILT F06-1(44)
- ASPHALTIC PAVEMENT, CONST YR 1984, ASBUILT 1371-04-78
- ASPHALTIC PAVEMENT, CONST YR 2013, ASBUILT 2025-13-70



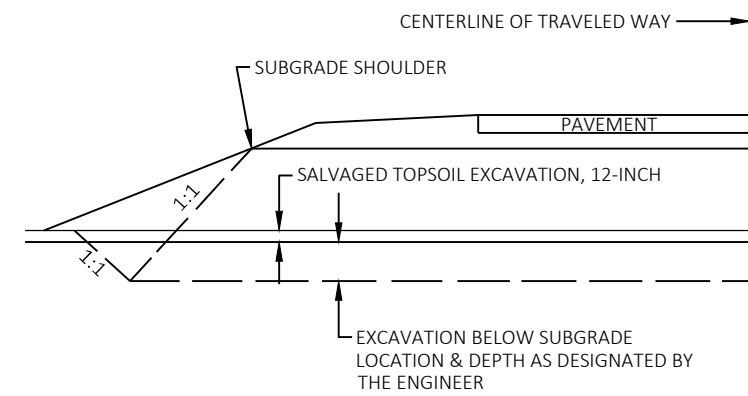
FINISHED TYPICAL SECTION
STH 190
STA. 87+00 - STA. 111+00



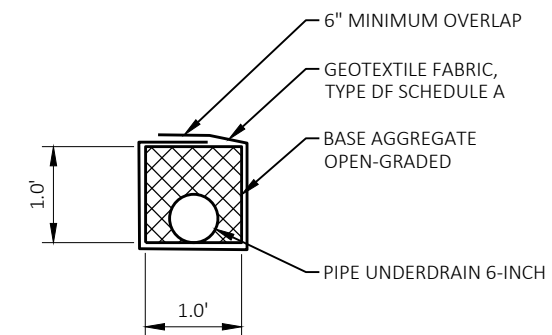
RELIEF TRENCH

NOTES:

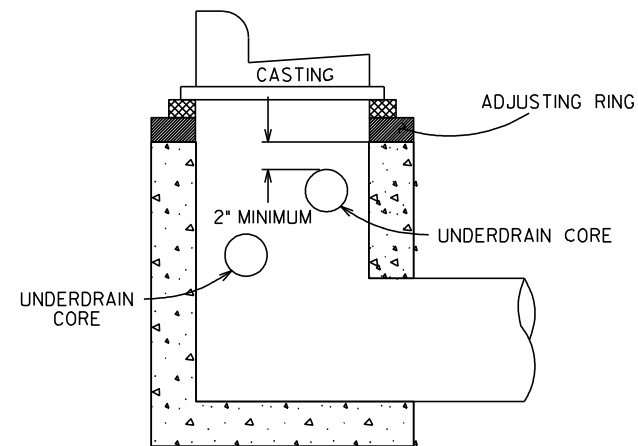
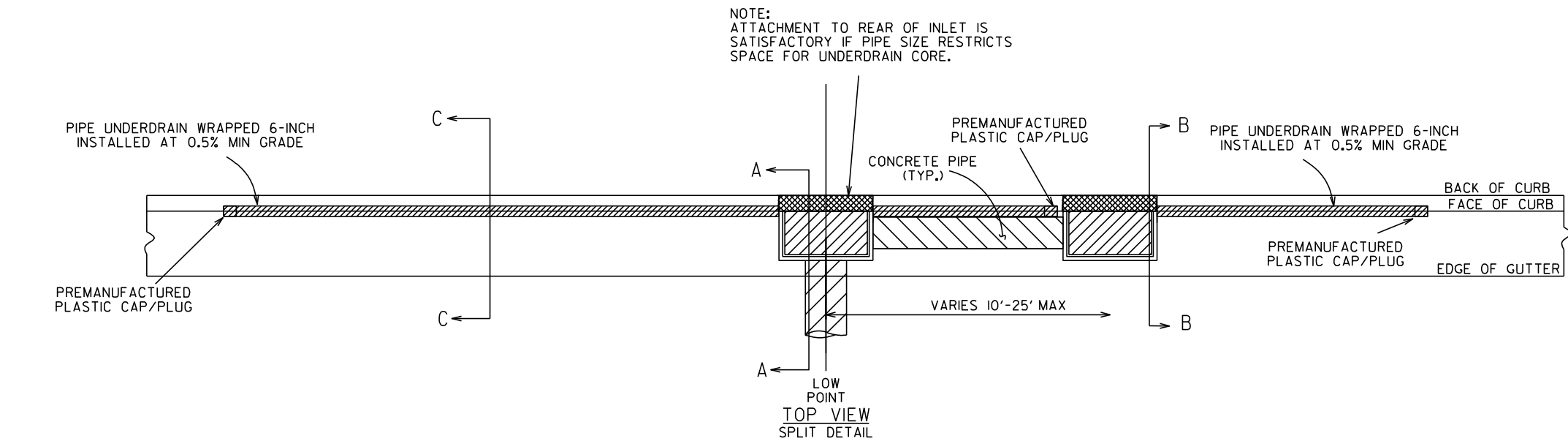
- CONSTRUCT RELIEF TRENCHES AT 200'-300' INTERVALS AND AT PROFILE SAG POINTS (LEFT AND RIGHT).
- FINAL LOCATIONS TO BE APPROVED OR DETERMINED BY THE ENGINEER IN THE FIELD.
- MATERIALS AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.



EXCAVATION BELOW SUBGRADE



PIPE UNDERDRAIN TRENCH

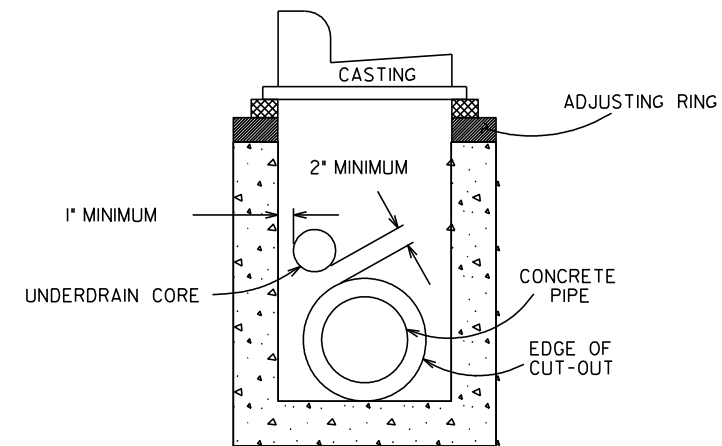


SECTION A-A

- NOTE:
- (1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE TOP 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 OR SEWER ACCESS STRUCTURES

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

FOUND AT LOW POINTS
WITHOUT FLANKING INLETS



SECTION B-B

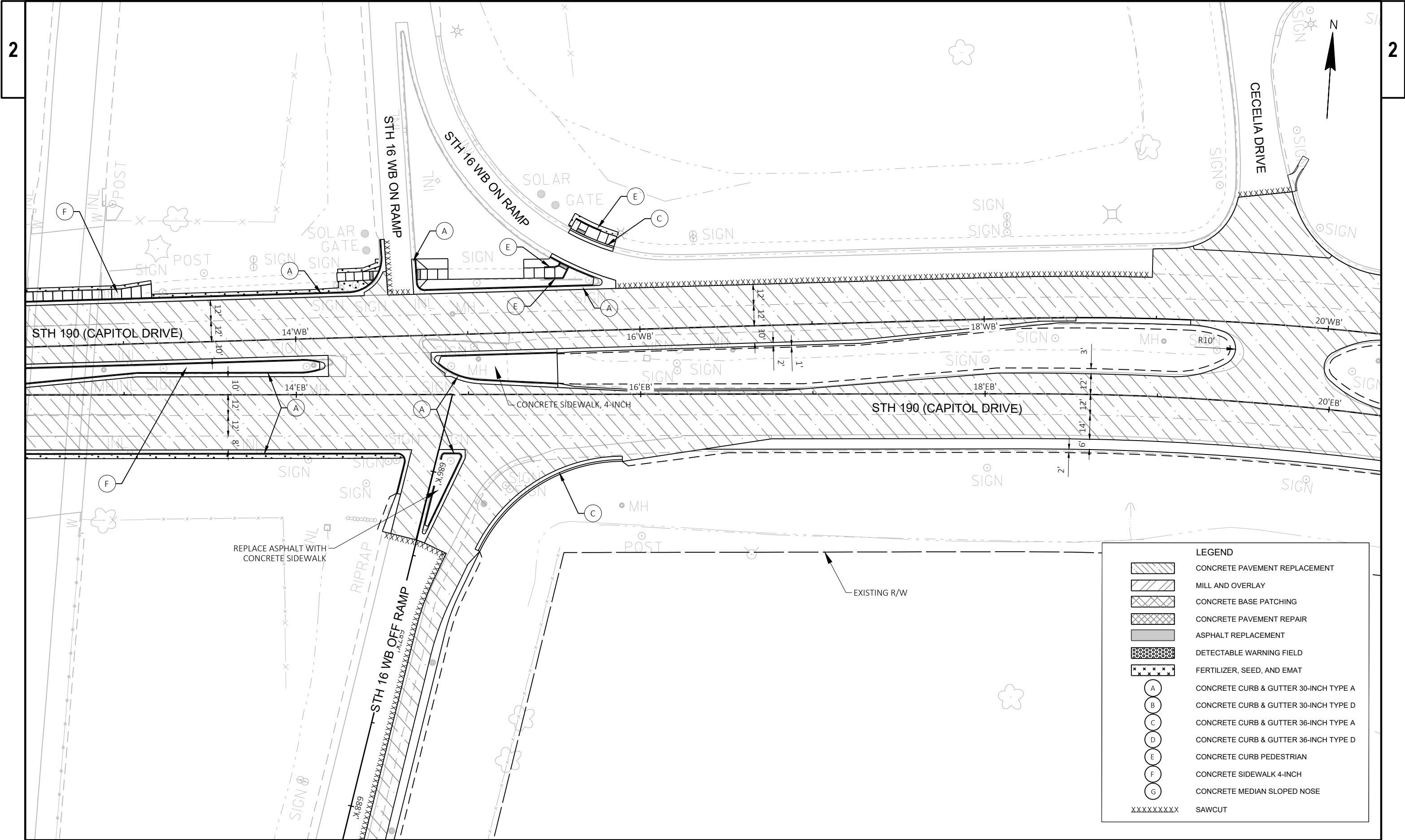
- NOTE:
- (1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.
 - (2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

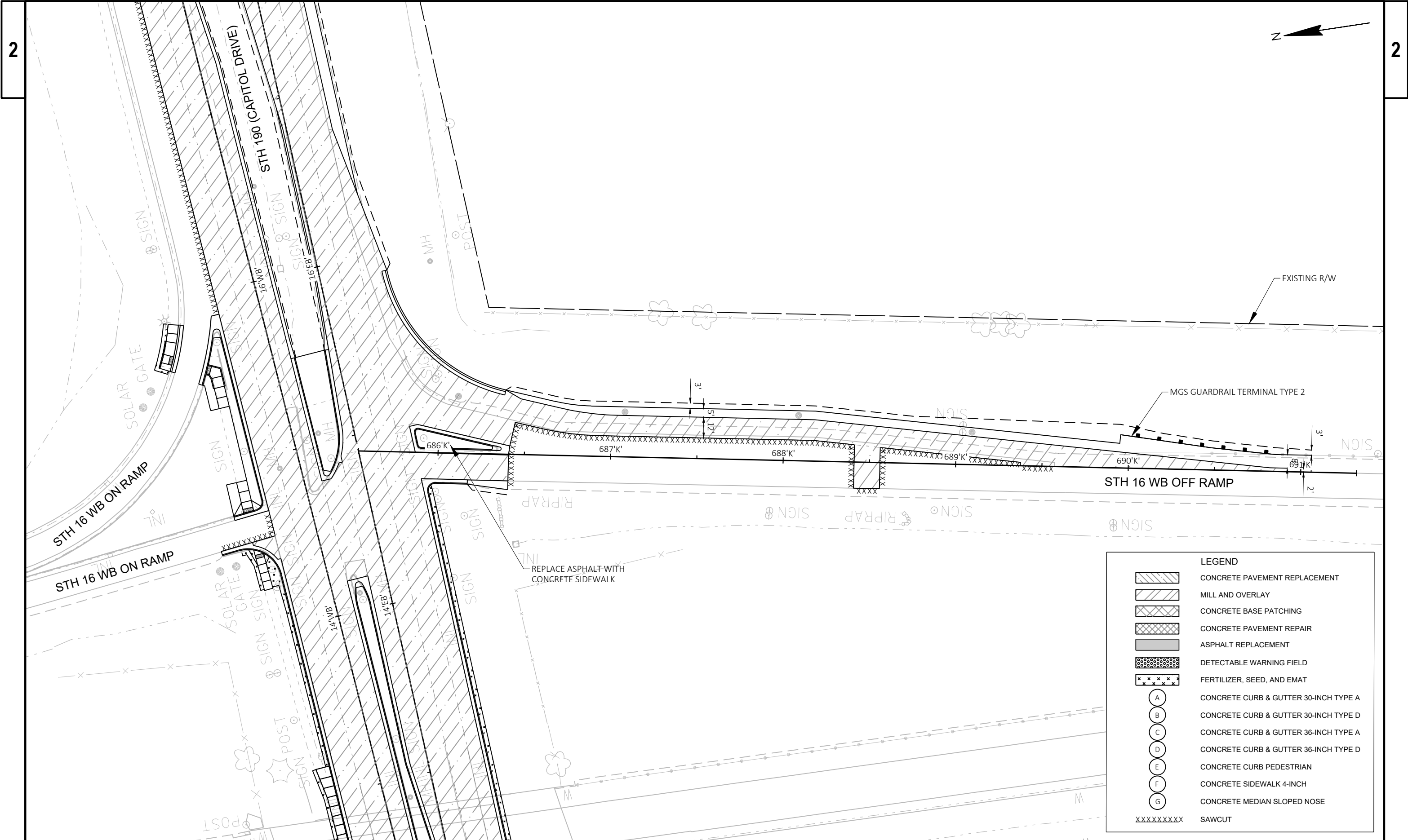
CROSS-SECTION VIEW
TYPICAL INLET IN SUMP
CONDITION WITH
UNDERDRAIN CORED
INTO WALL WITH PIPE
FOUND AT FLANKING INLETS
NEAR LOWPOINTS

PIPE UNDERDRAIN 6-INCH
LOCATED ALONG LOW SIDE CURB



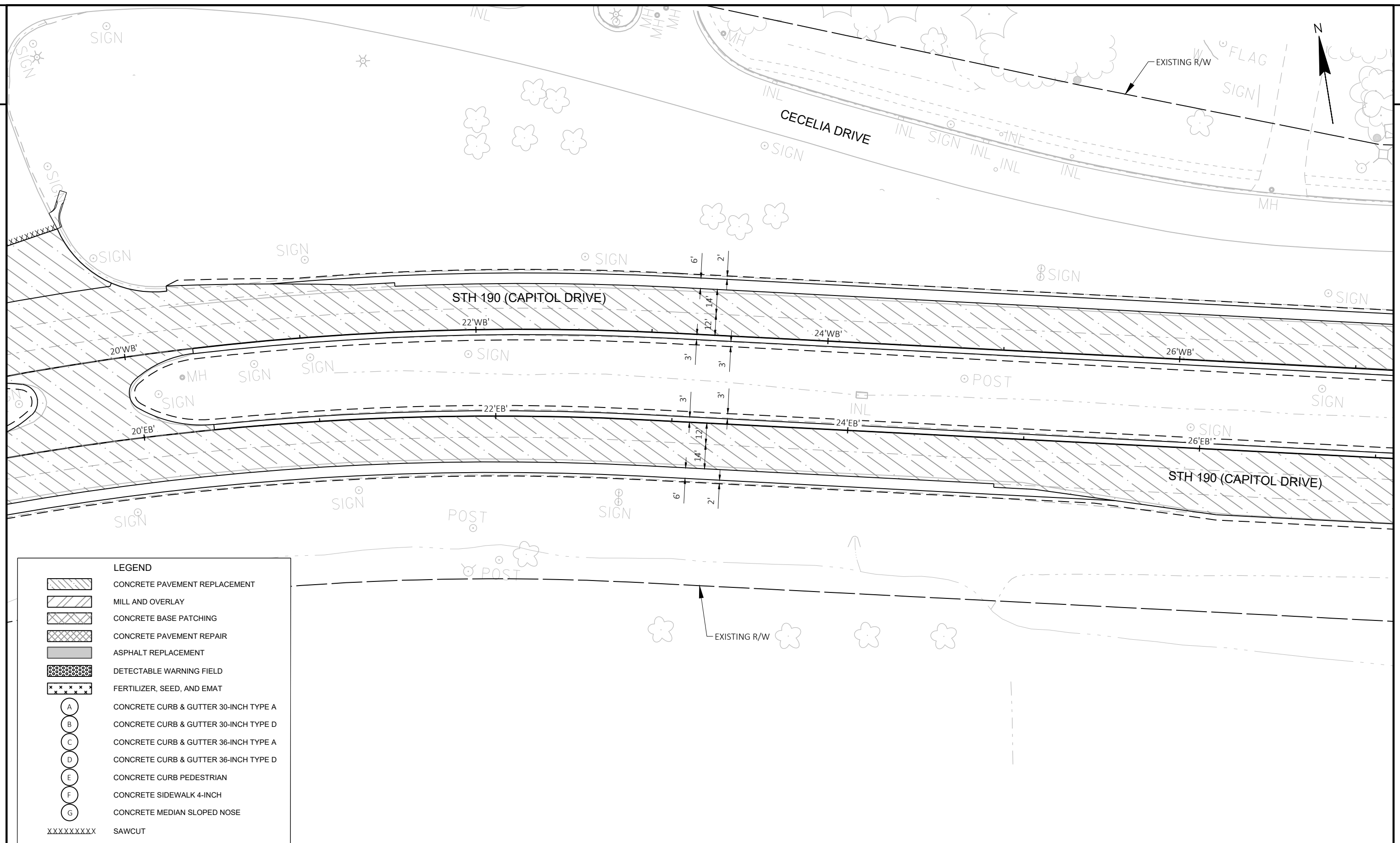
FILE NAME :	I:\47\470337 STH 190 - CAPITOL DRIVE\C3D\SHEETPLAN\2025-07-73_021201-PD.DWG	PLOT DATE :	3/1/2022 2:54 PM	PLOT BY :	MUENCH, DOUGLAS	PLOT NAME :		PLOT SCALE :	1 IN=50 FT	WISDOT/CADD SHEET 42
LAYOUT NAME :	50-01									



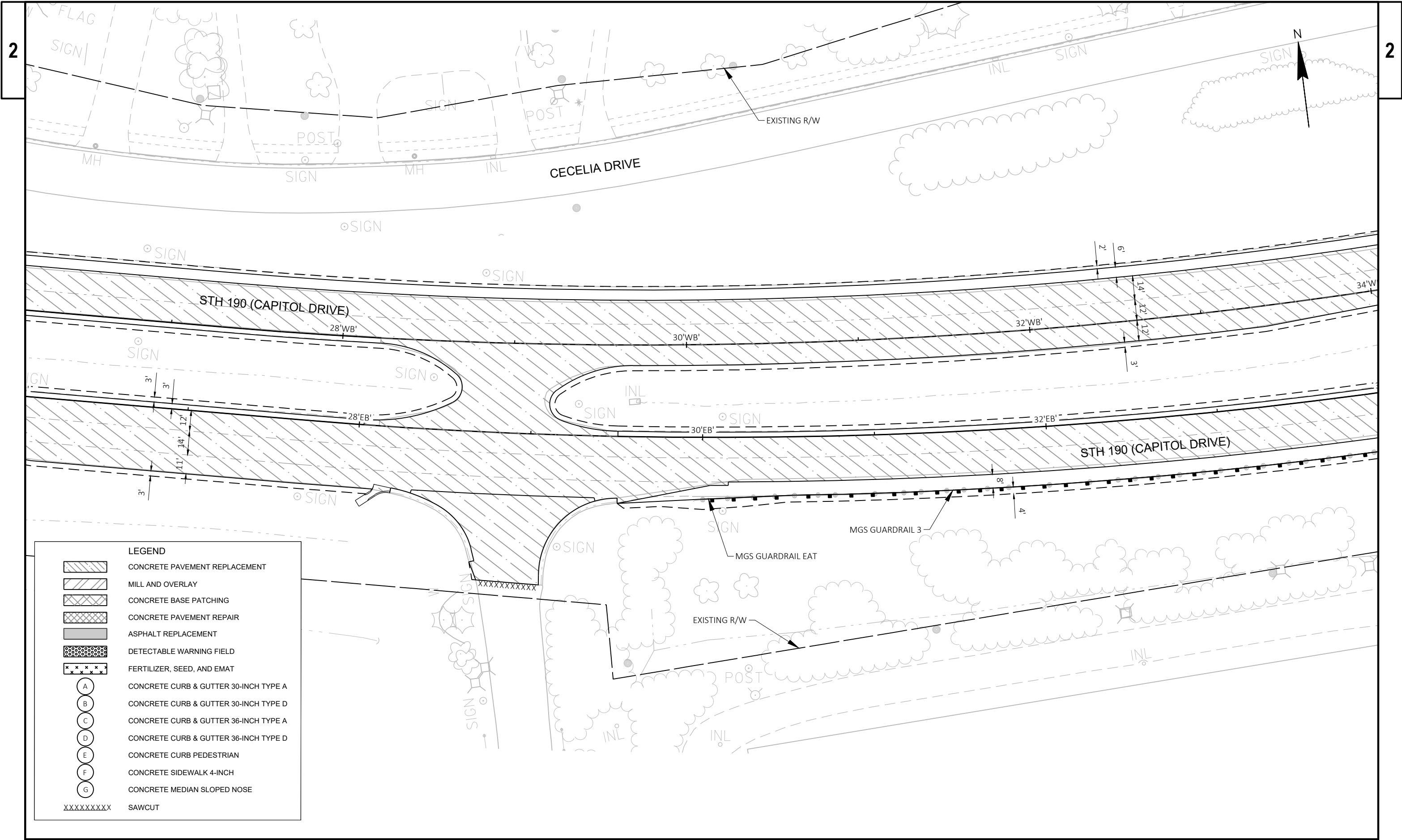


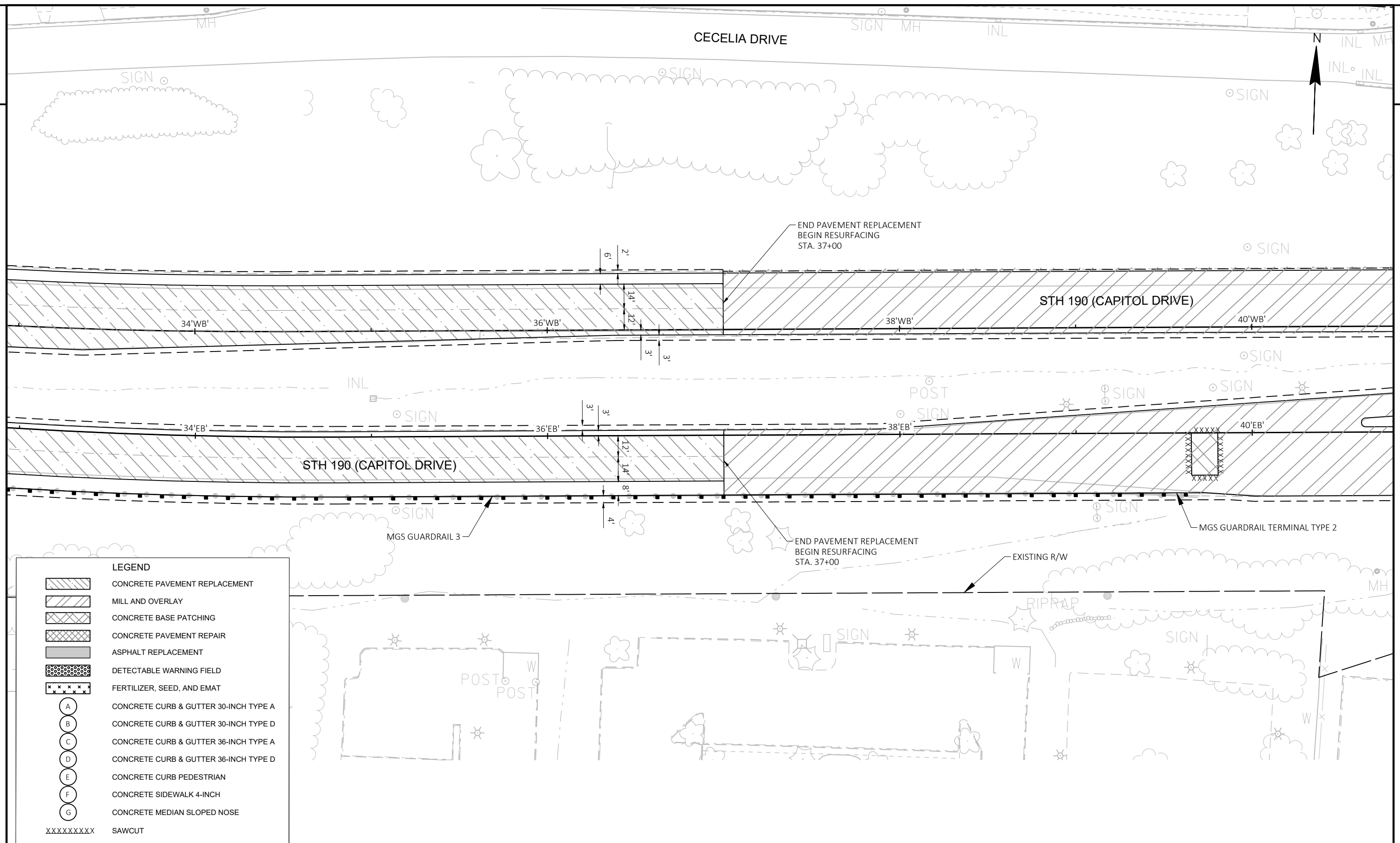
LEGEND

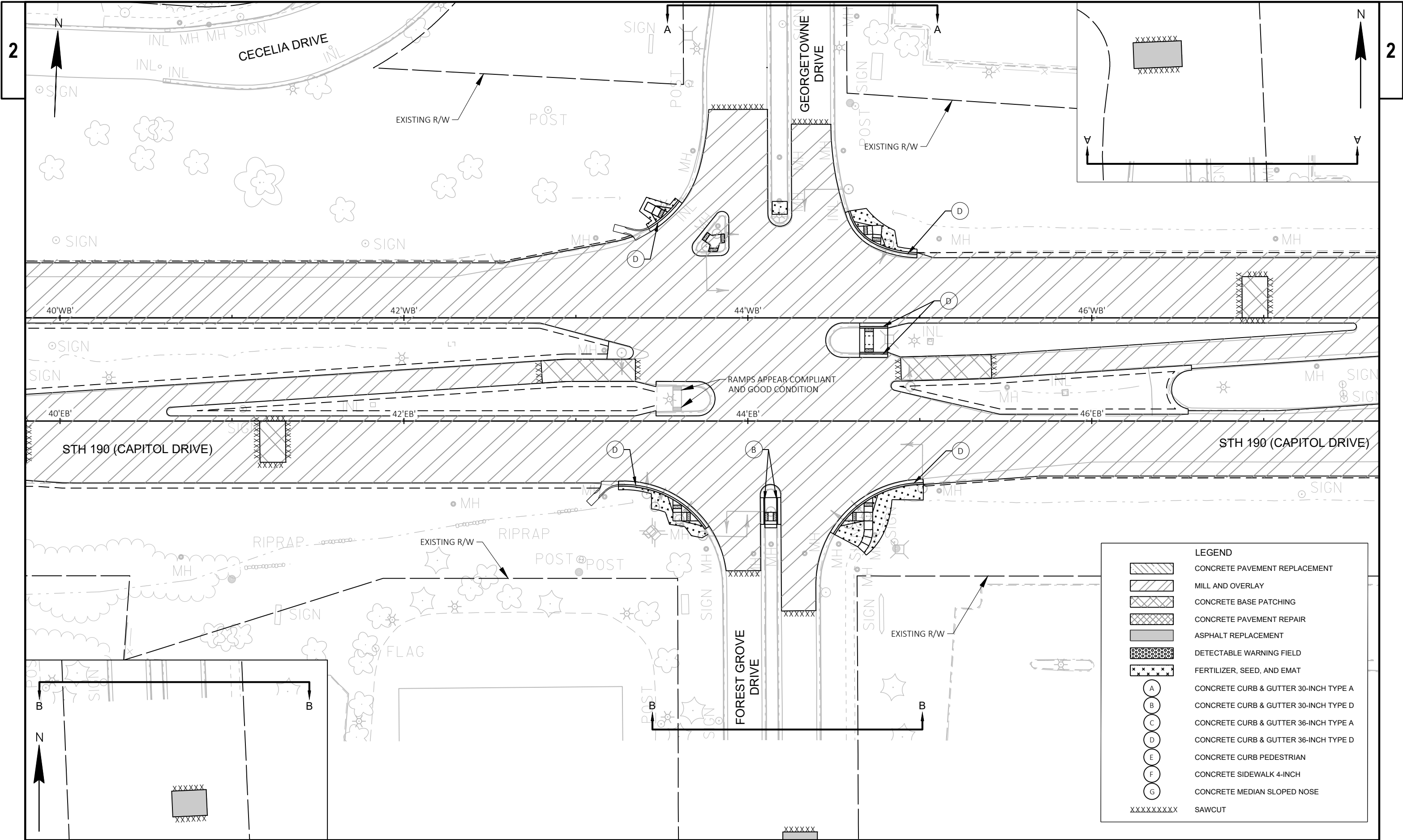
	CONCRETE PAVEMENT REPLACEMENT
	MILL AND OVERLAY
	CONCRETE BASE PATCHING
	CONCRETE PAVEMENT REPAIR
	ASPHALT REPLACEMENT
	DETECTABLE WARNING FIELD
	FERTILIZER, SEED, AND EMAT
	CONCRETE CURB & GUTTER 30-INCH TYPE A
	CONCRETE CURB & GUTTER 30-INCH TYPE D
	CONCRETE CURB & GUTTER 36-INCH TYPE A
	CONCRETE CURB & GUTTER 36-INCH TYPE D
	CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 4-INCH
	CONCRETE MEDIAN SLOPED NOSE
	SAWCUT

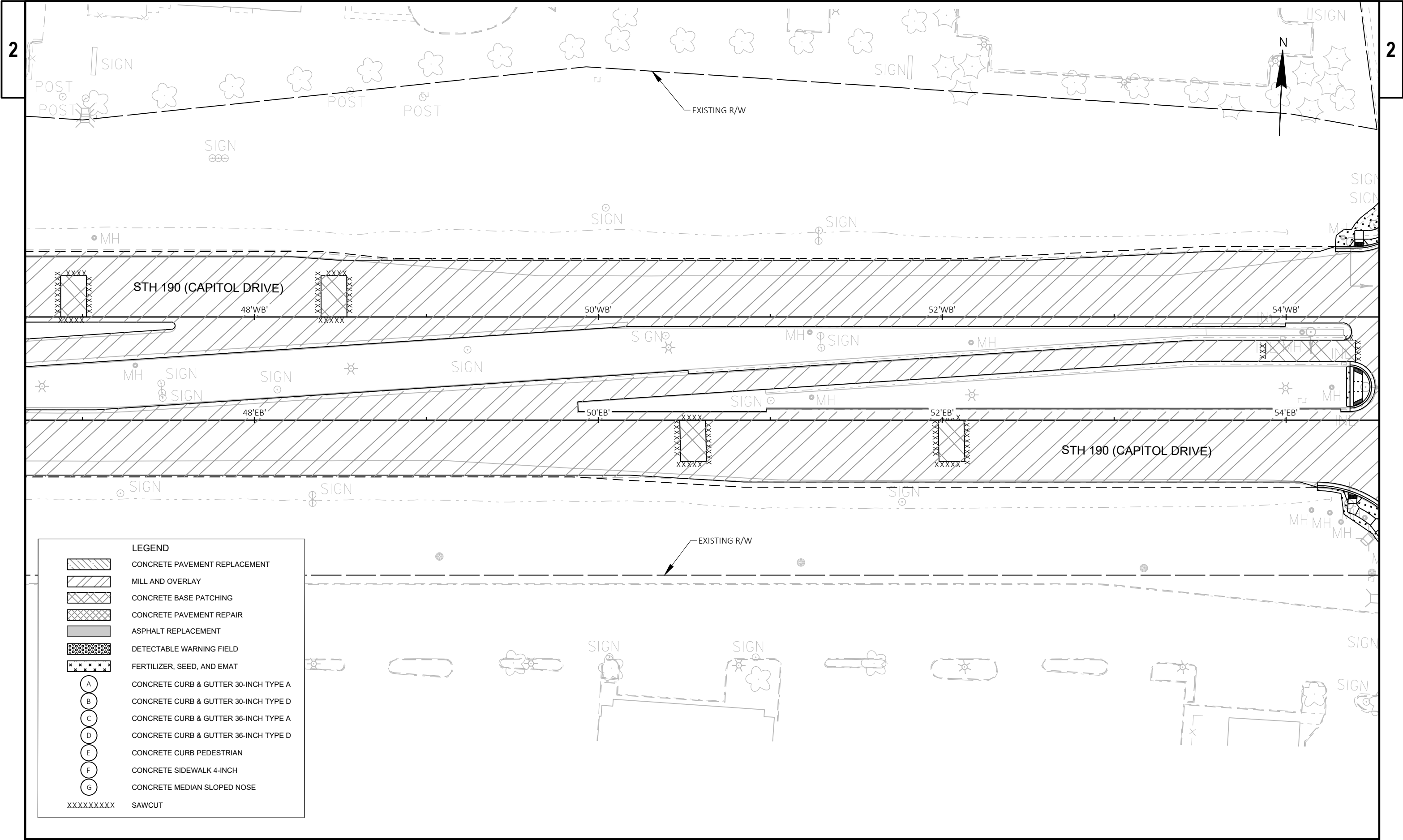


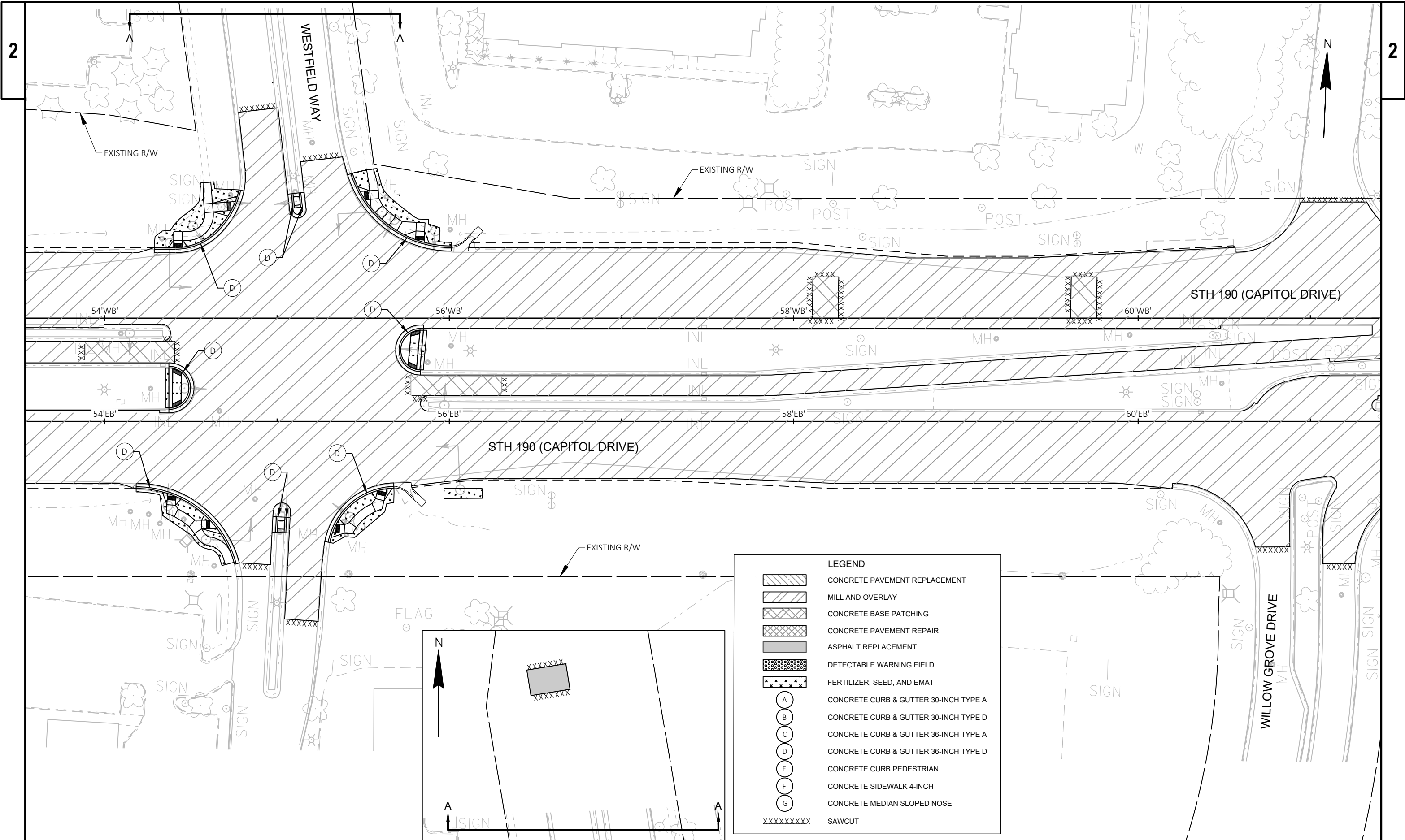
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	PLAN DETAILS	SHEET	E
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PROJECT NO: 2025-07-73

HWY: STH 190

COUNTY: WAUKESHA

PLAN DETAILS

SHEET

E

FILE NAME : I:\47\470337 STH 190 - CAPITOL DRIVE\C3D\SHEETSPLAN\2025-07-73_021201-PD.DWG
LAYOUT NAME - 50-08

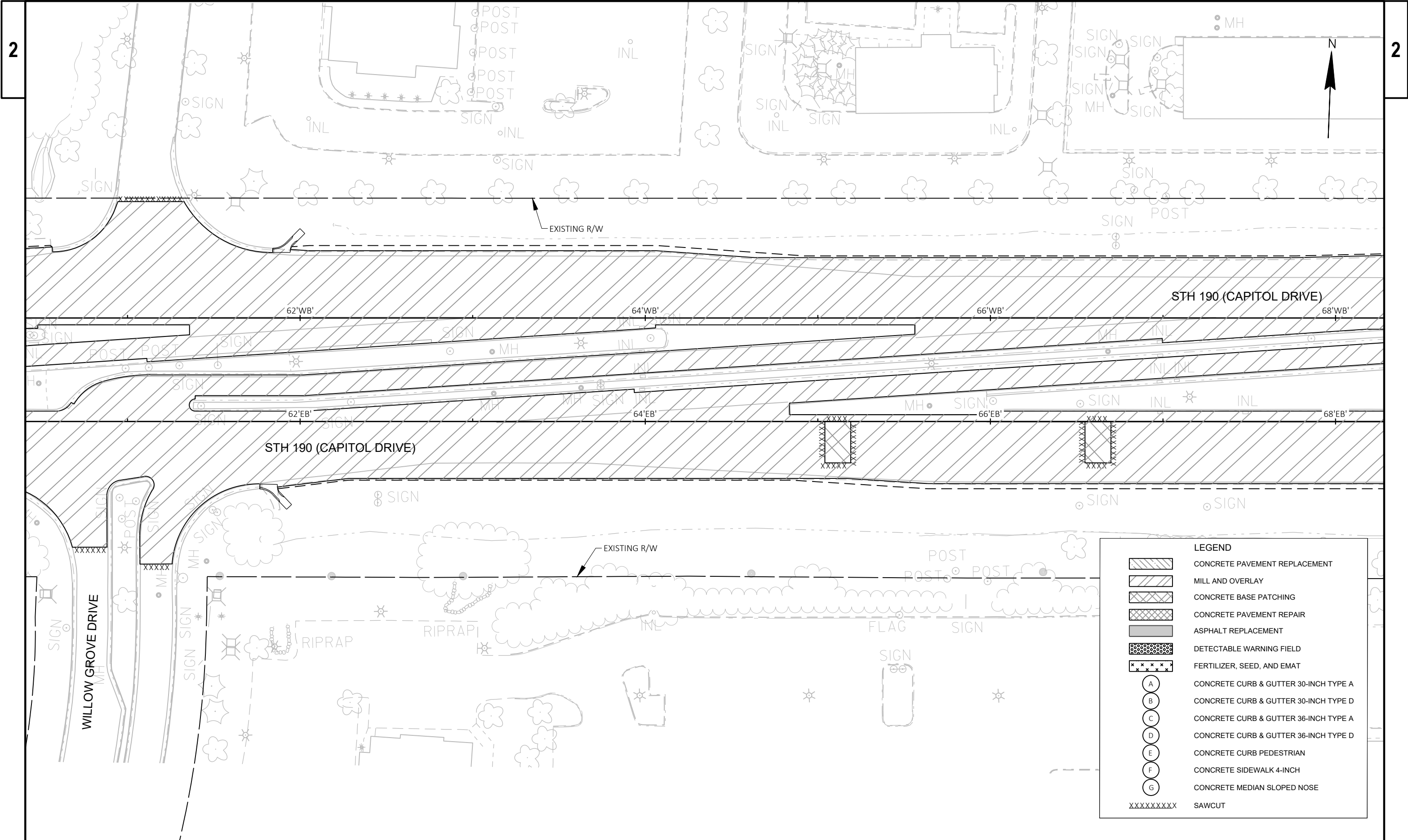
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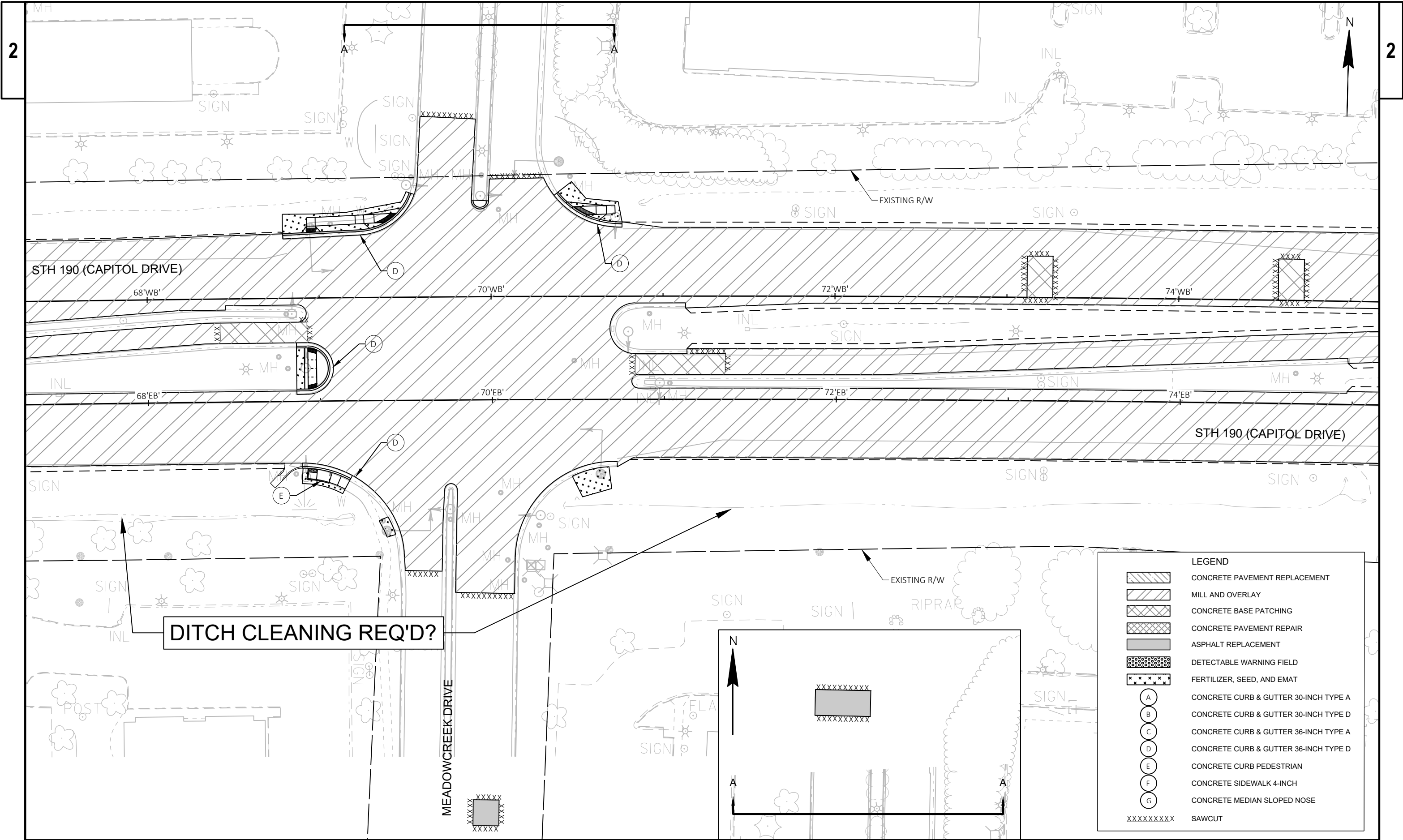
PLOT BY : MUENCH, DOUGLAS

PLOT NAME :

PLOT SCALE : 1 IN:50 FT

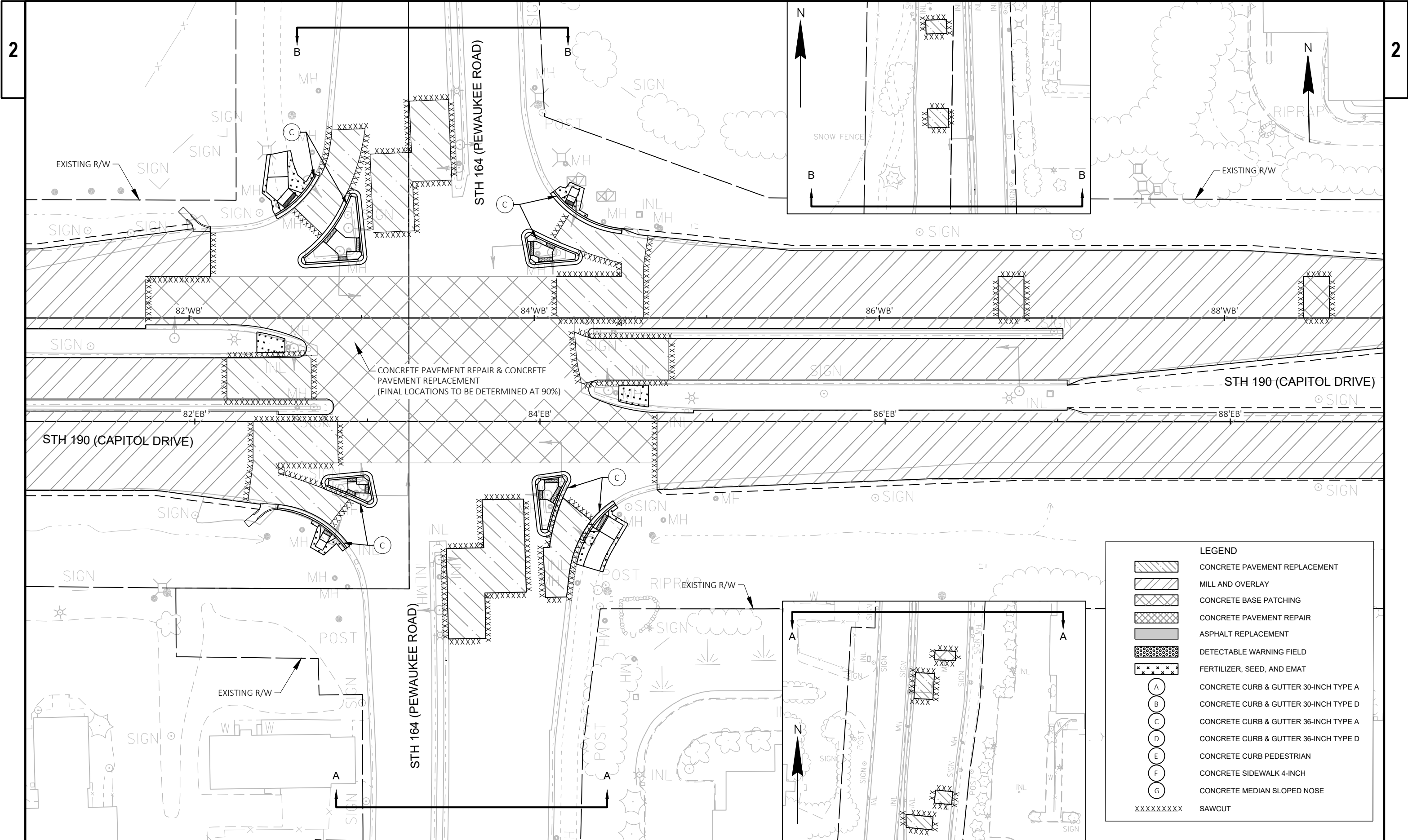
WISDOT/CADDs SHEET 42







FILE NAME :	I:\47\470337 STH 190 - CAPITOL DRIVE\C3D\SHEETSP\PLAN\2025-07-73_021201-PD.DWG	PLOT DATE :	3/1/2022 2:54 PM	PLOT BY :	MUENCH, DOUGLAS	PLOT NAME :		PLOT SCALE :	1 IN=50 FT		WISDOT/CADDS SHEET 42
LAYOUT NAME :	50-11										



LEGEND	
	CONCRETE PAVEMENT REPLACEMENT
	MILL AND OVERLAY
	CONCRETE BASE PATCHING
	CONCRETE PAVEMENT REPAIR
	ASPHALT REPLACEMENT
	DETECTABLE WARNING FIELD
	FERTILIZER, SEED, AND EMAT
	CONCRETE CURB & GUTTER 30-INCH TYPE A
	CONCRETE CURB & GUTTER 30-INCH TYPE D
	CONCRETE CURB & GUTTER 36-INCH TYPE A
	CONCRETE CURB & GUTTER 36-INCH TYPE D
	CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 4-INCH
	CONCRETE MEDIAN SLOPED NOSE
	SAWCUT

PROJECT NO: 2025-07-73

HWY: STH 190

COUNTY: WAUKESHA

PLAN DETAILS

SHEET

E

FILE NAME : I:\47\470337 STH 190 - CAPITOL DRIVE\C3D\SHEETSPLAN\2025-07-73_021201-PD.DWG
LAYOUT NAME - 50-12

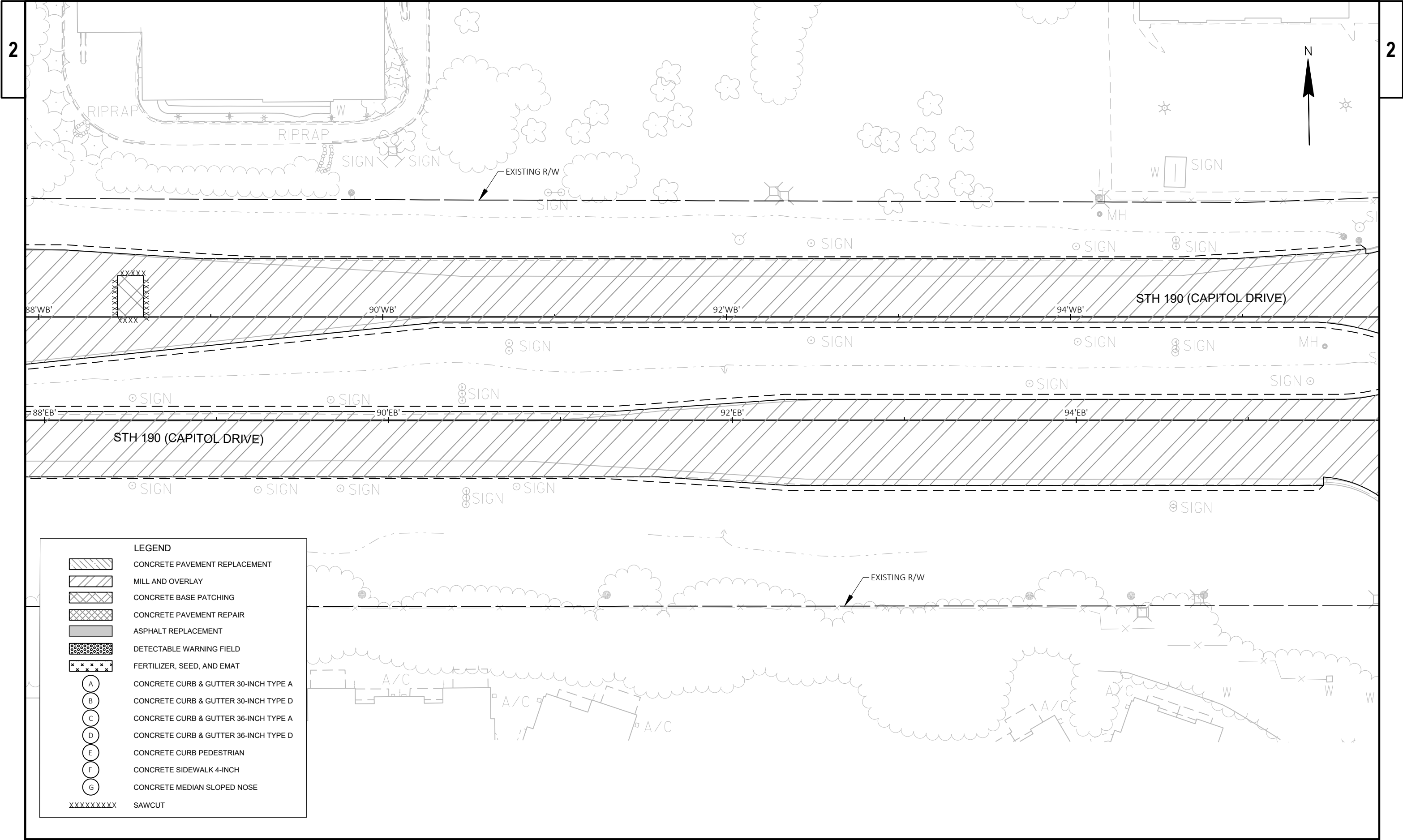
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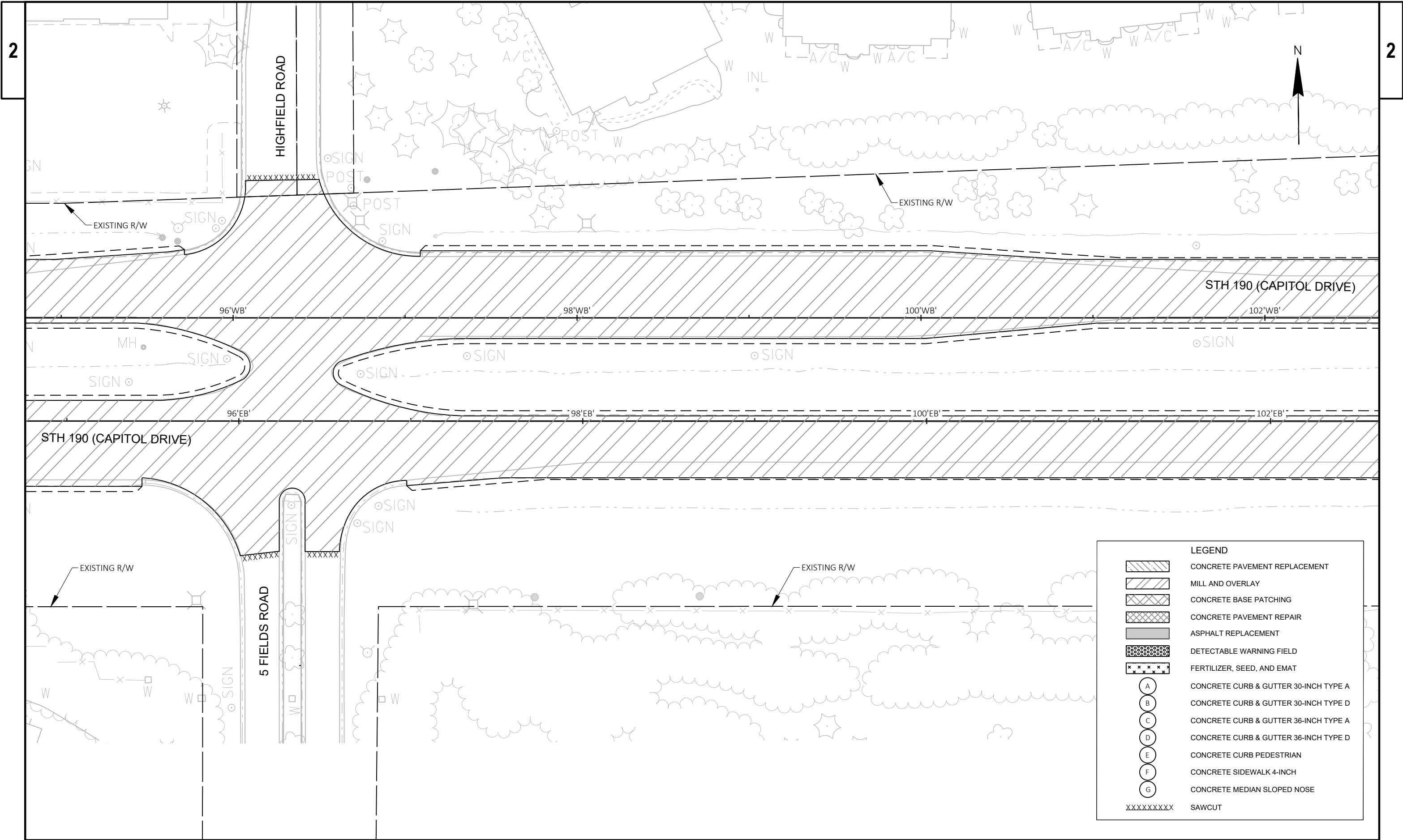
PLOT BY : MUENCH, DOUGLAS

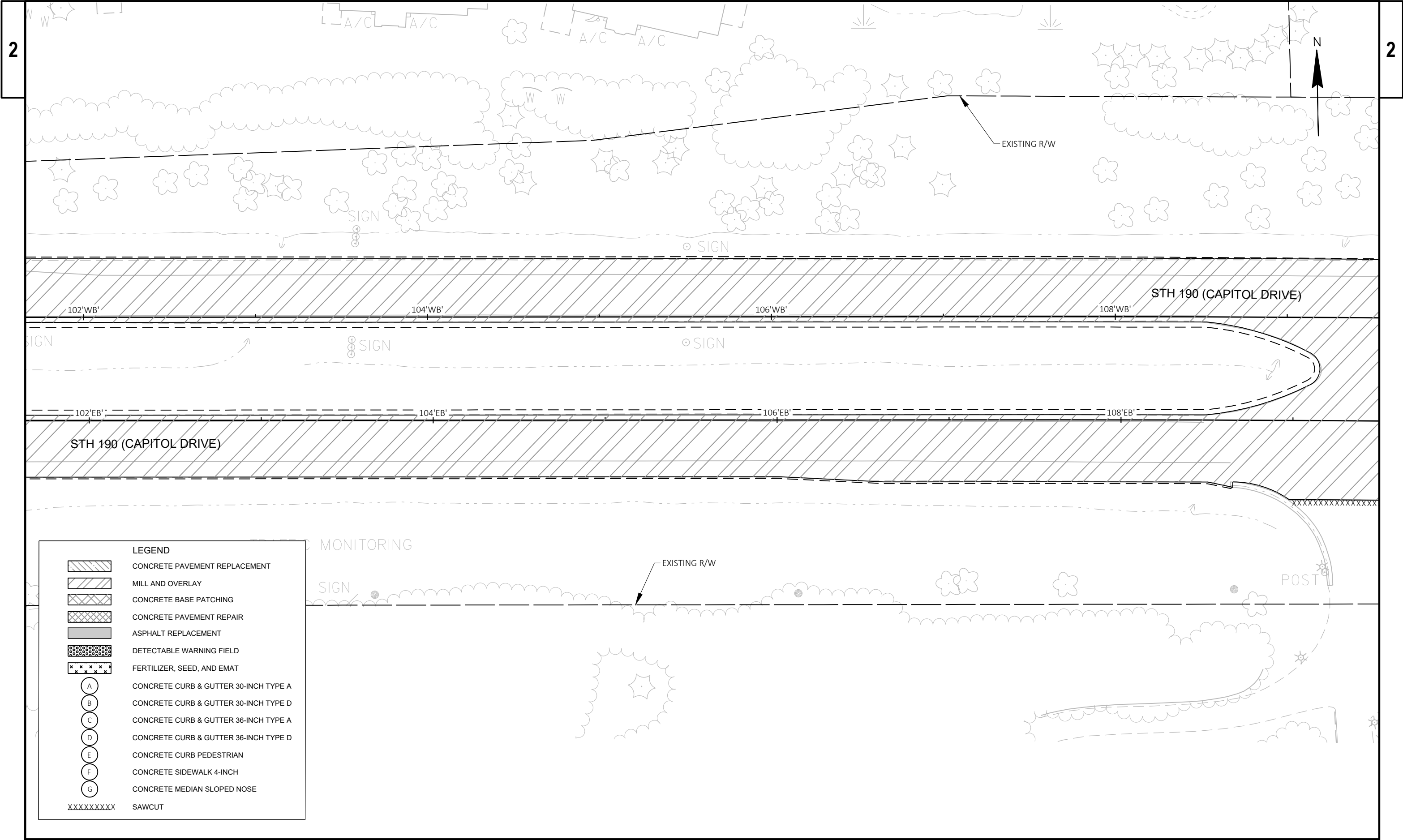
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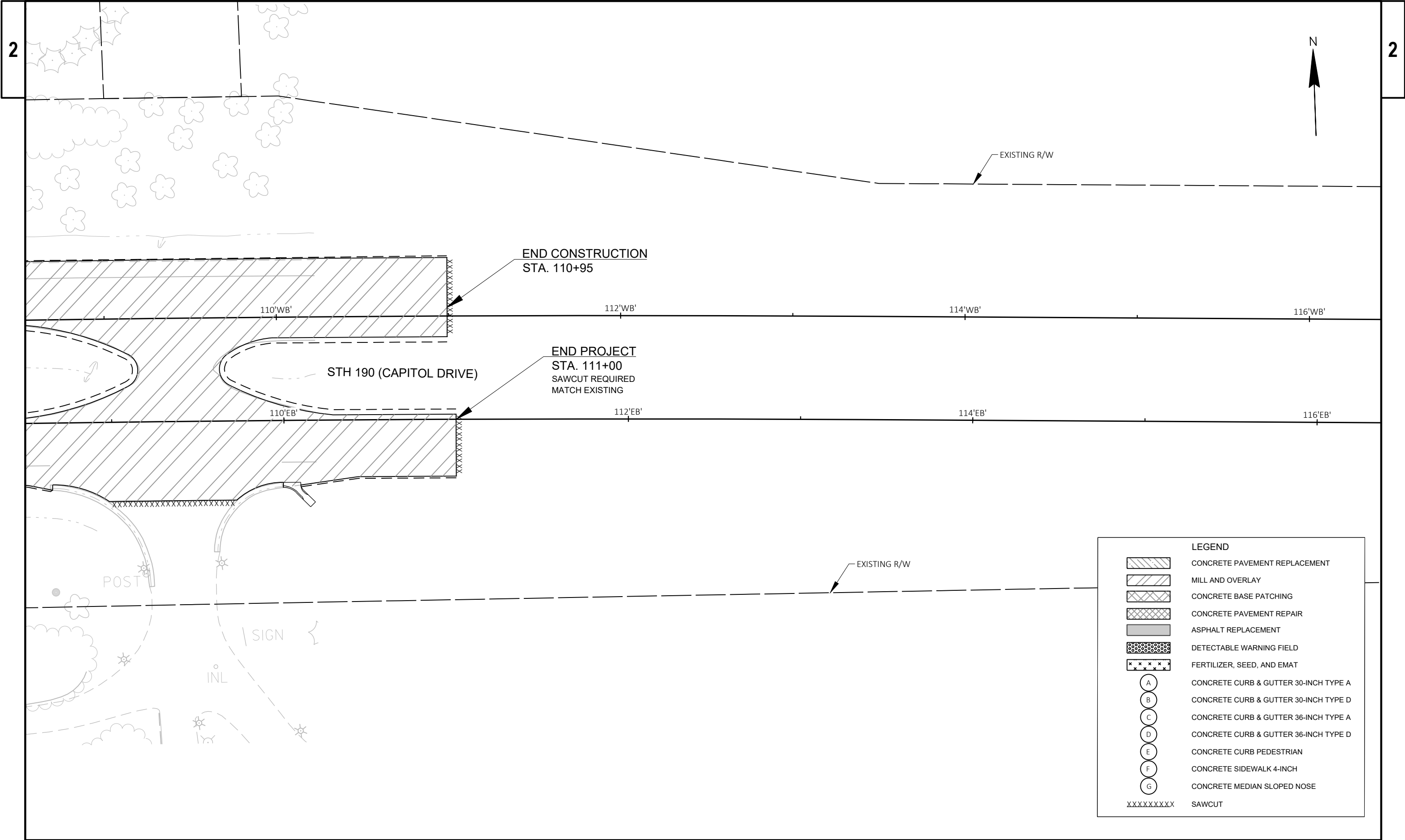
PLOT SCALE : 1 IN:50 FT

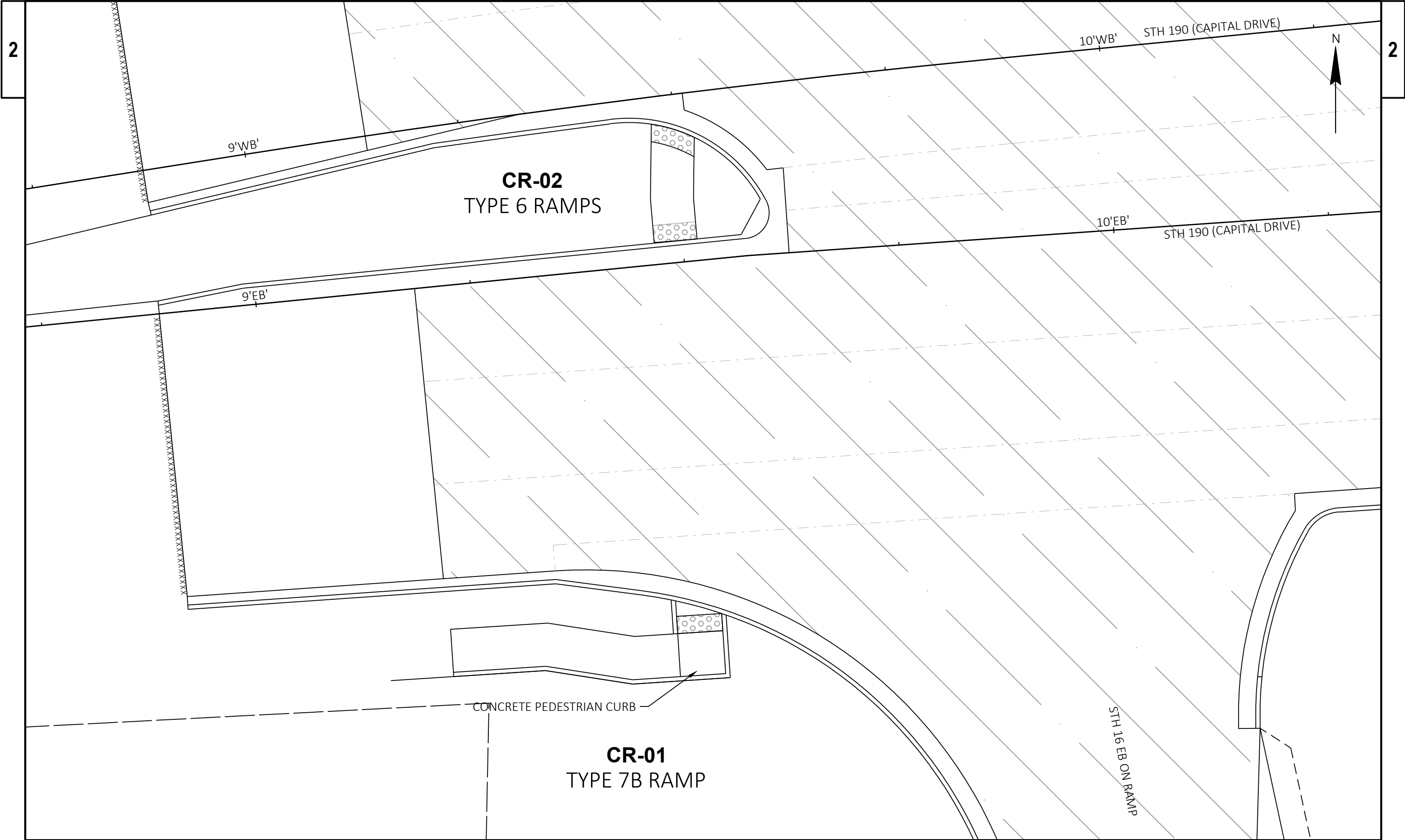
WISDOT/CADDs SHEET 42



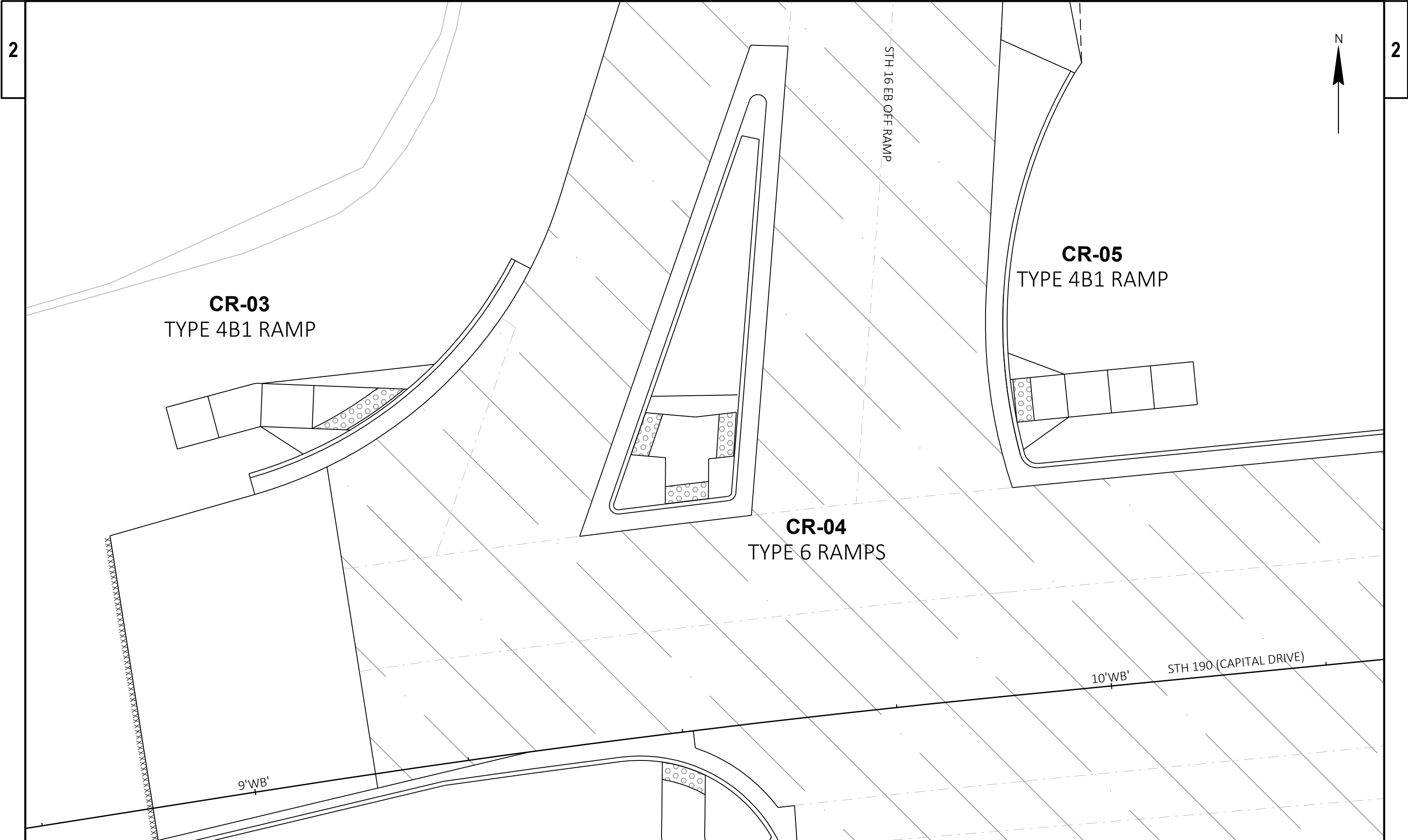








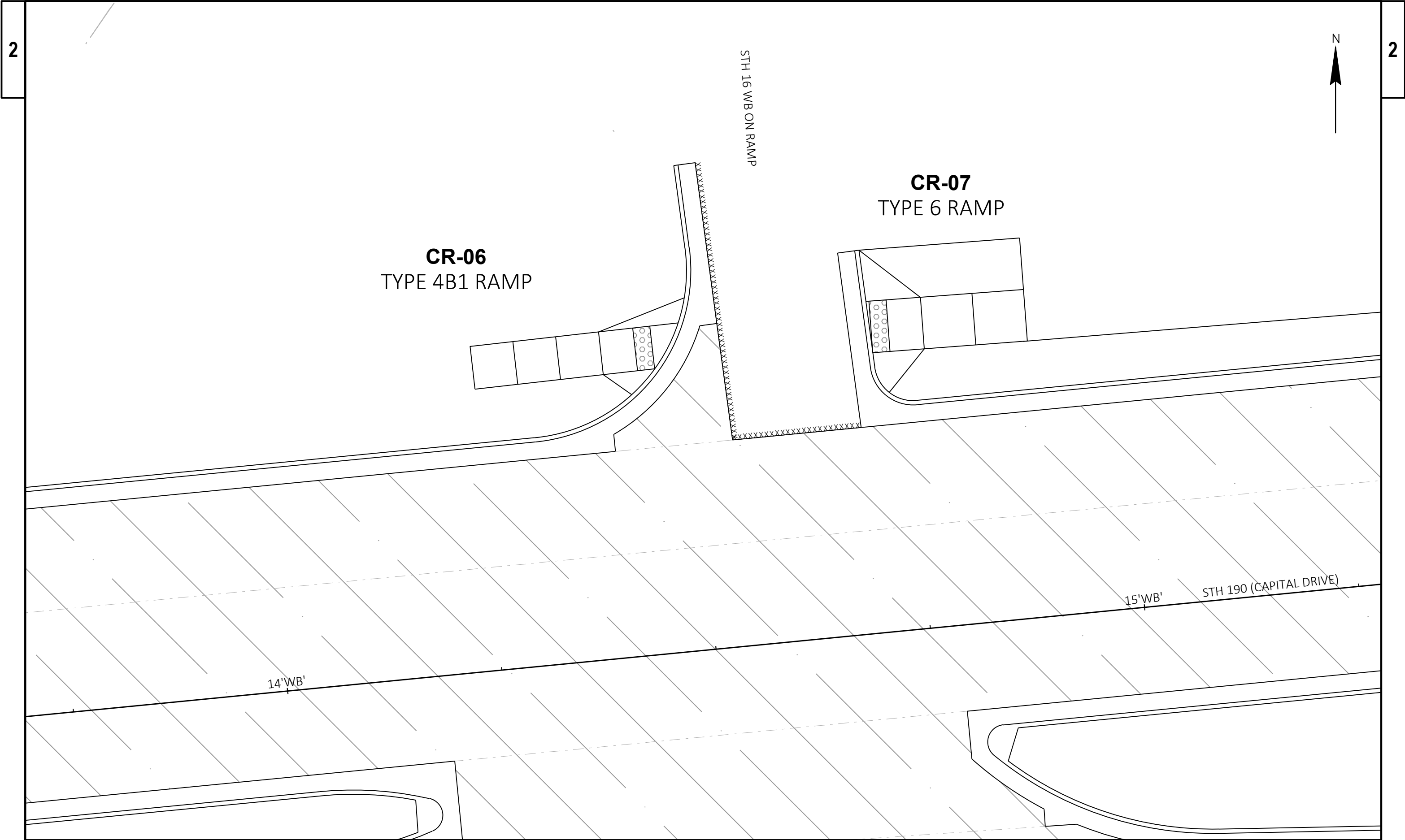
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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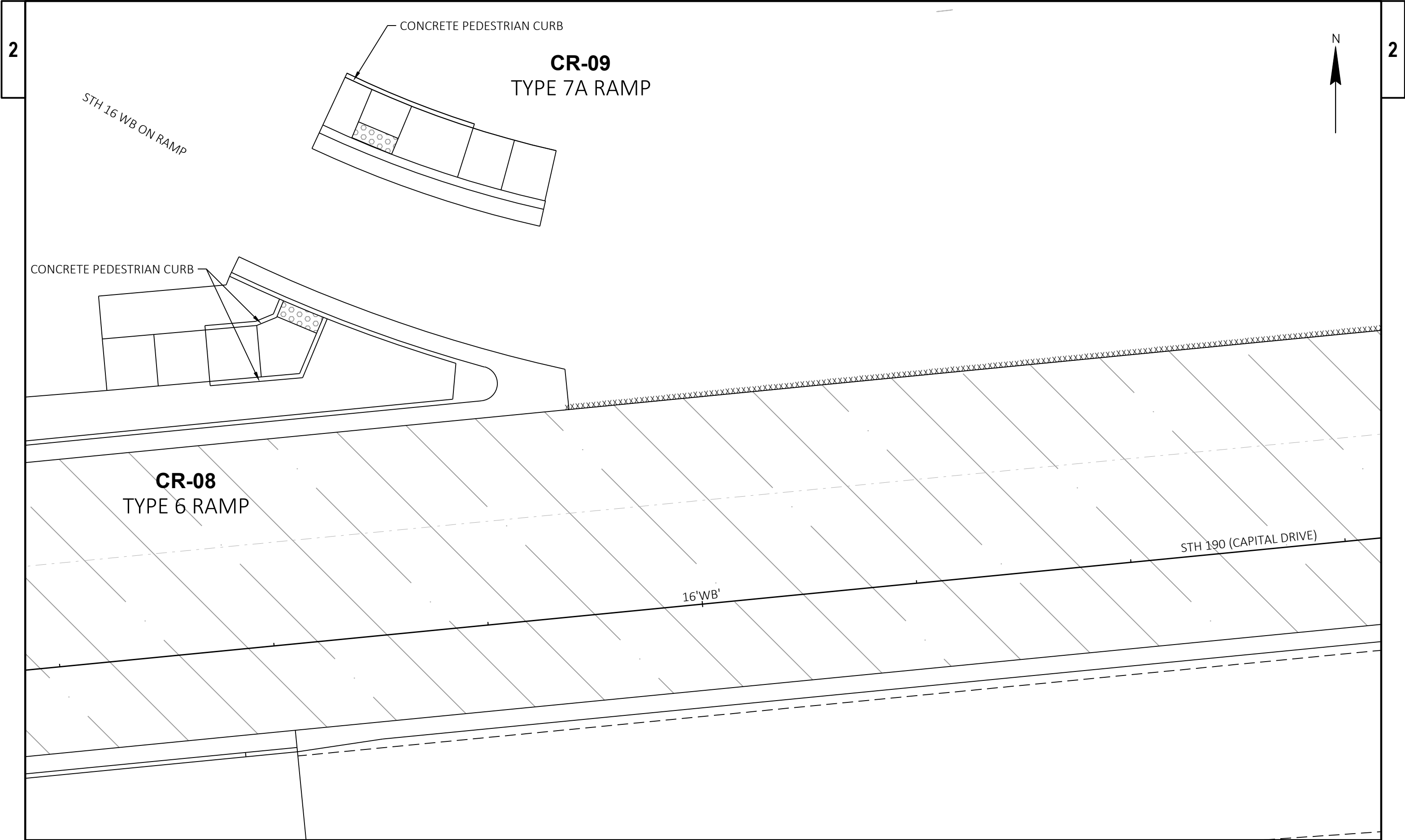
2

2

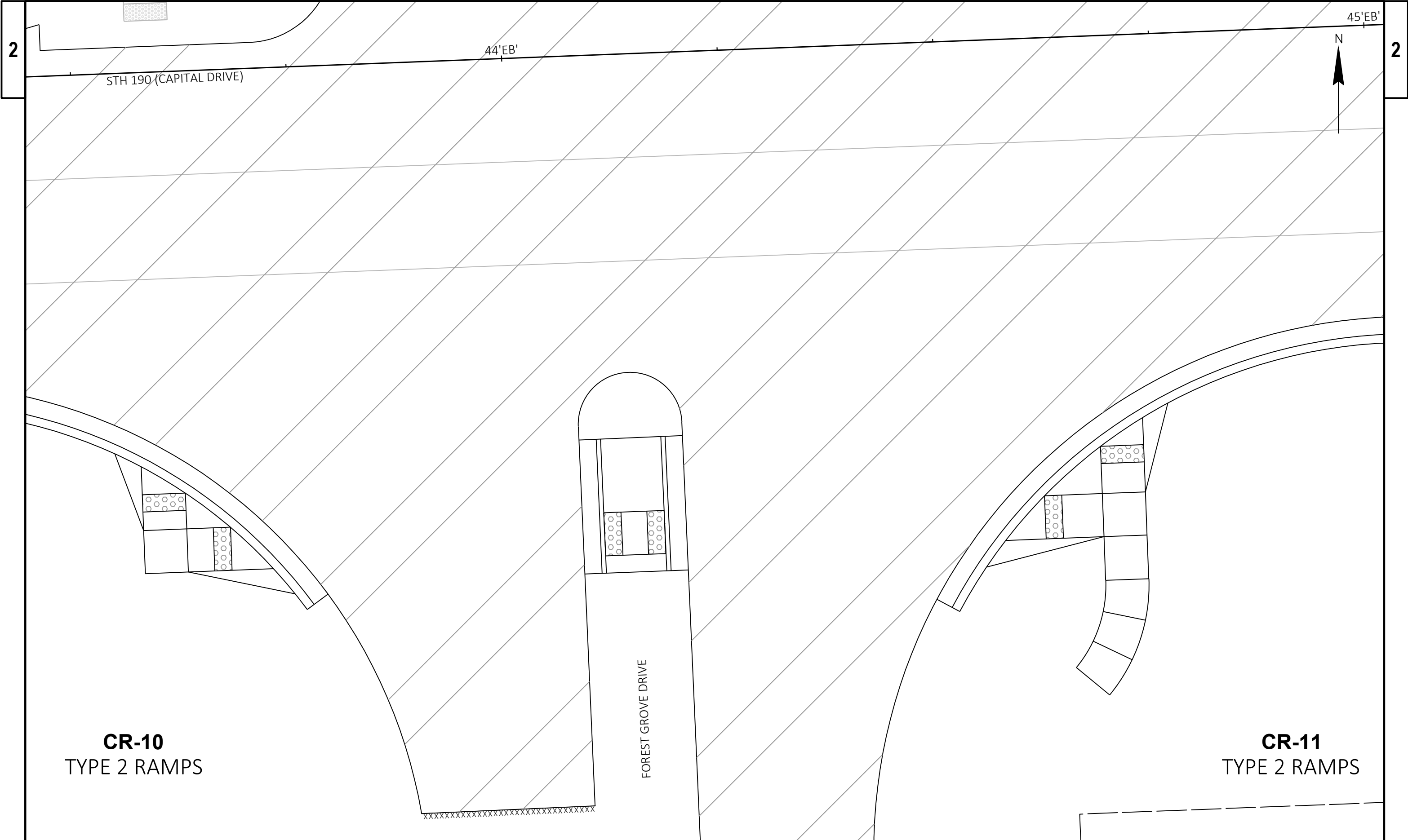
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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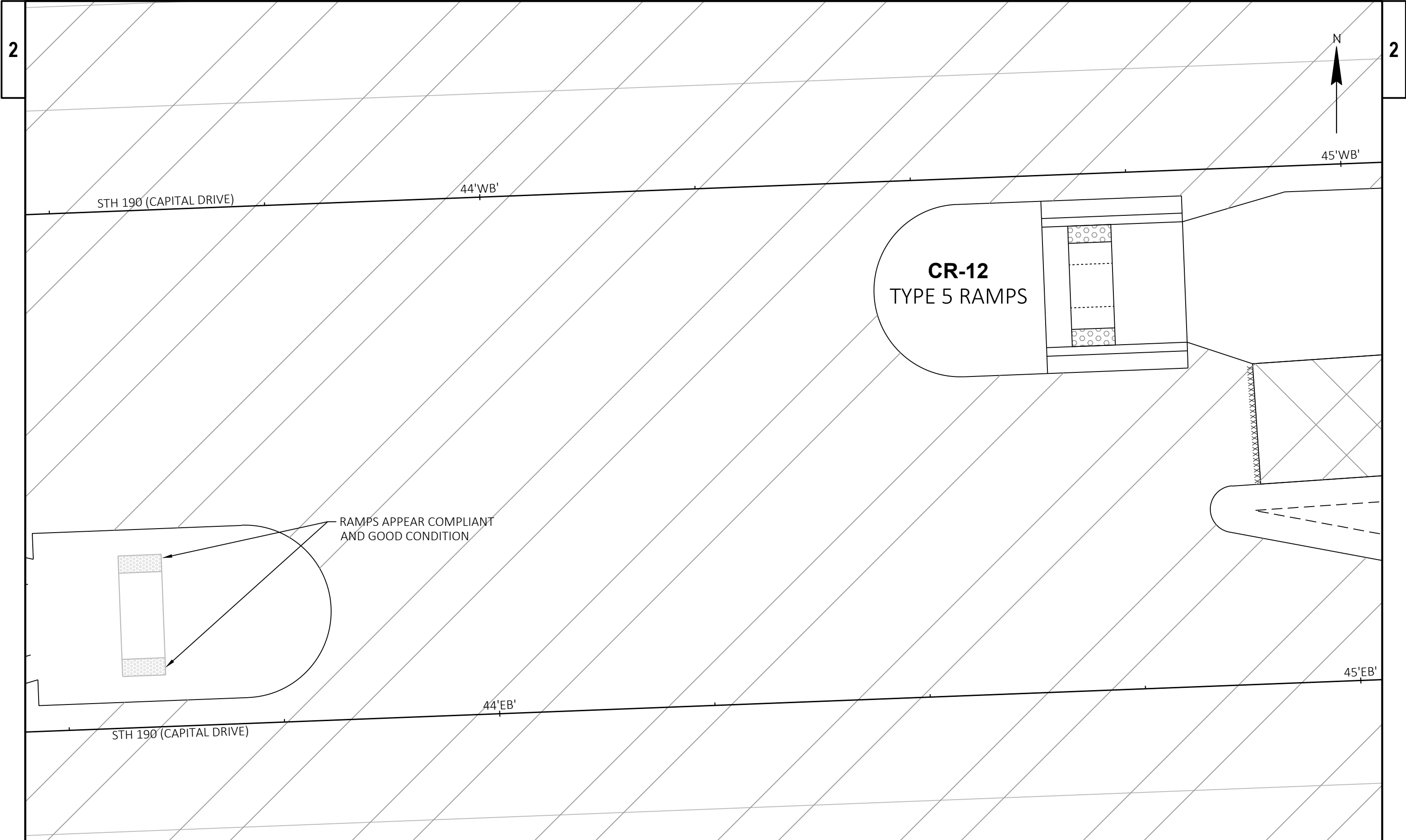
CR-10
TYPE 2 RAMPS

CR-11
TYPE 2 RAMPS

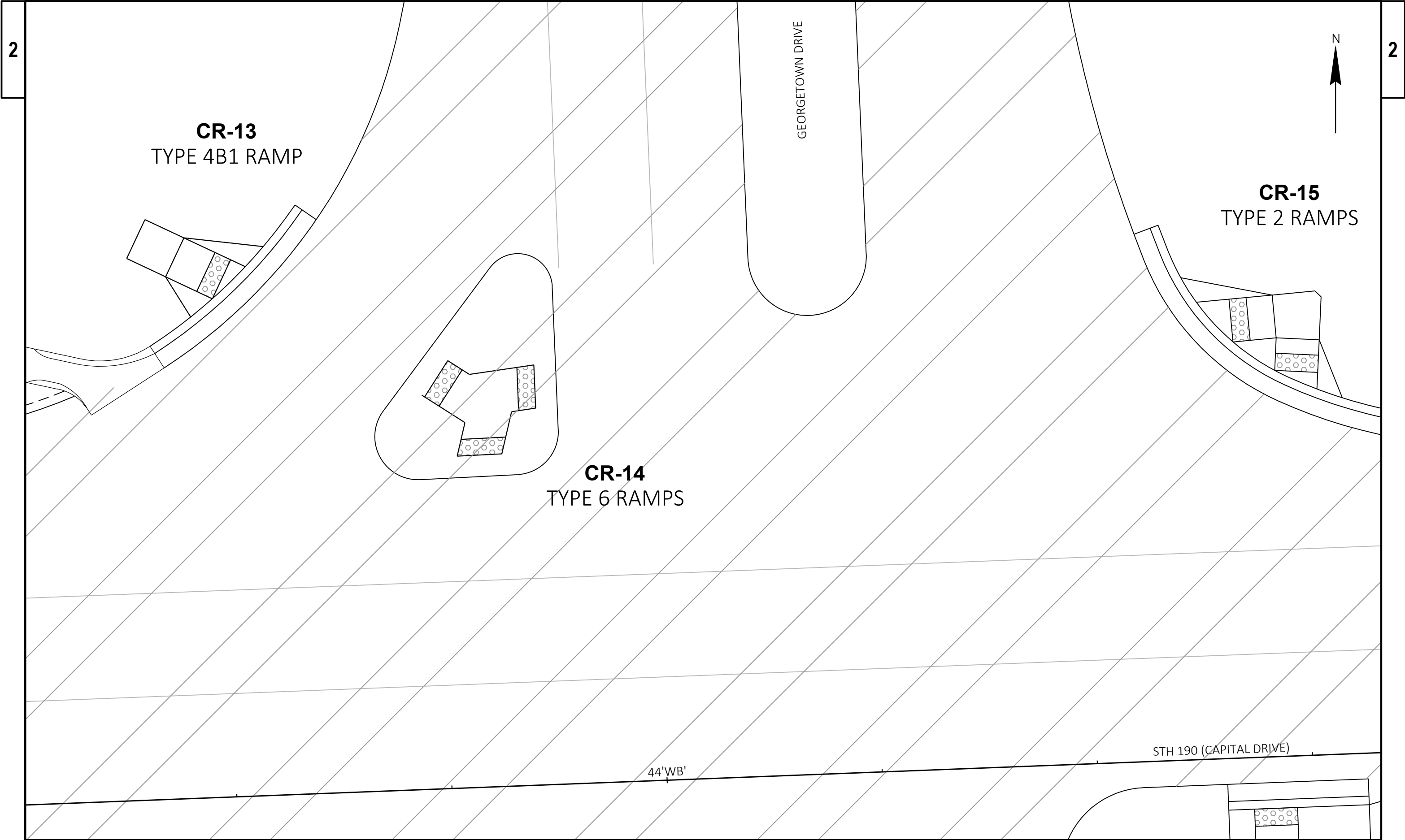
FOREST GROVE DRIVE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

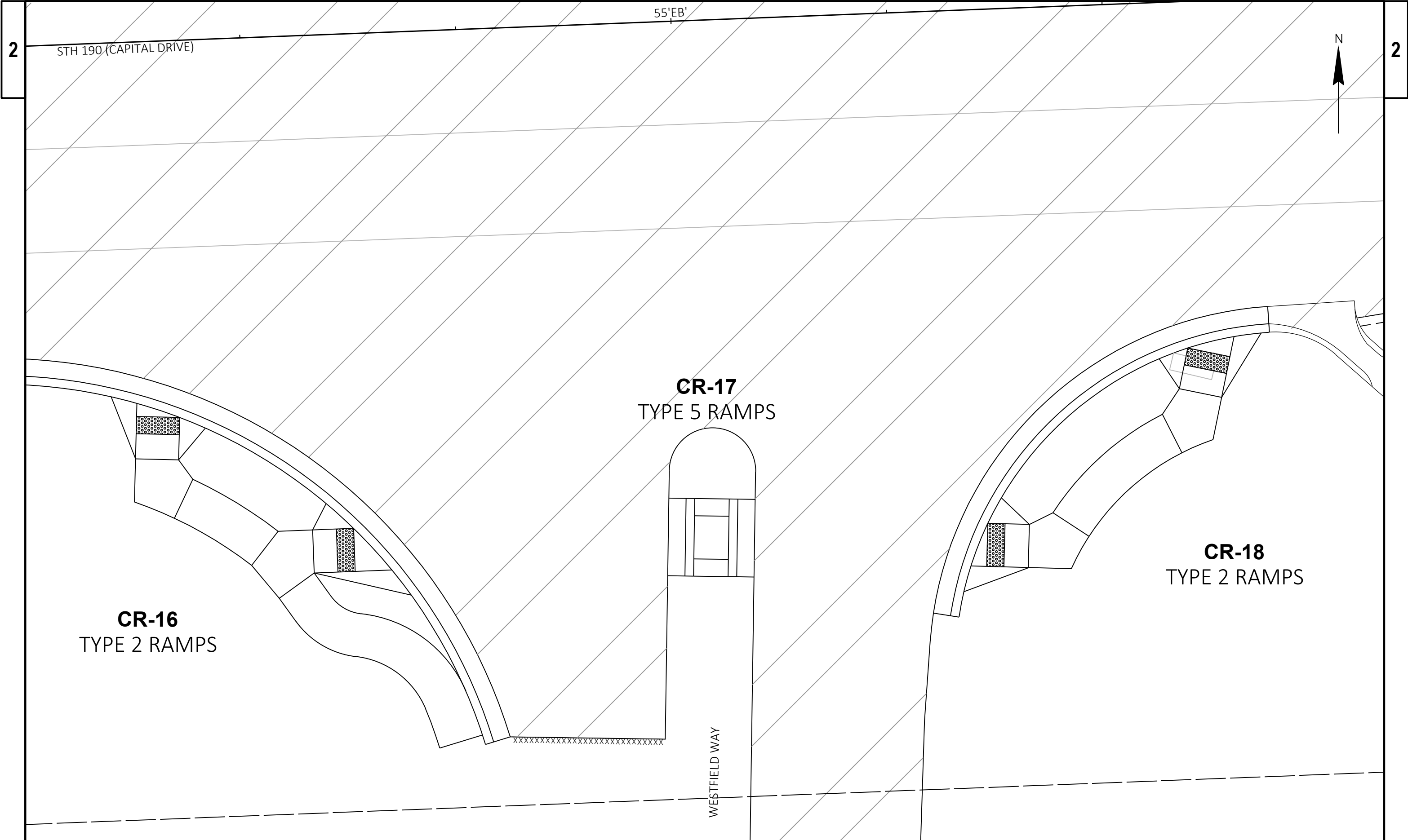
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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2

2

STH 190 (CAPITAL DRIVE)

55'EB'



CR-17
TYPE 5 RAMPS

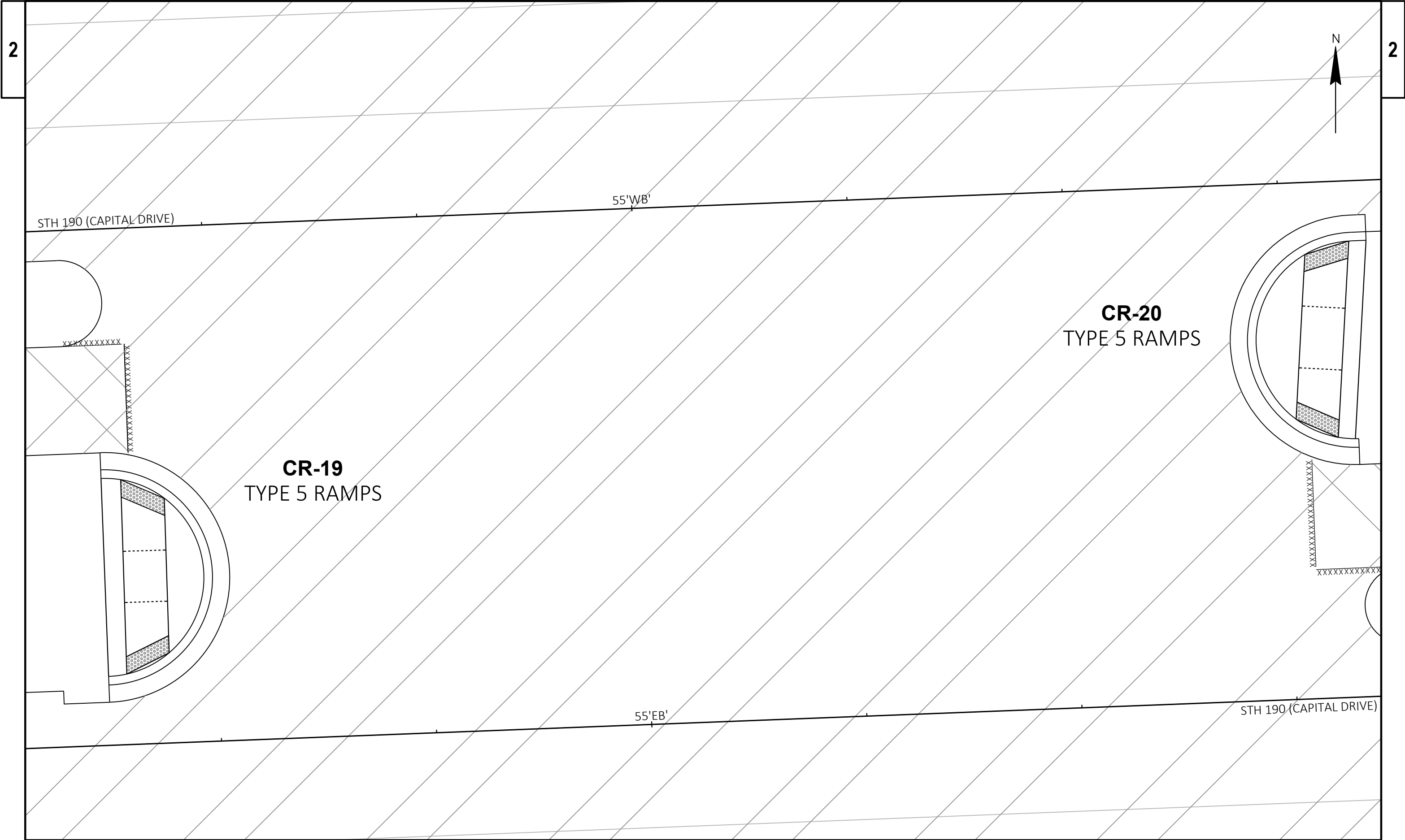
CR-16
TYPE 2 RAMPS

CR-18
TYPE 2 RAMPS

WESTFIELD WAY

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

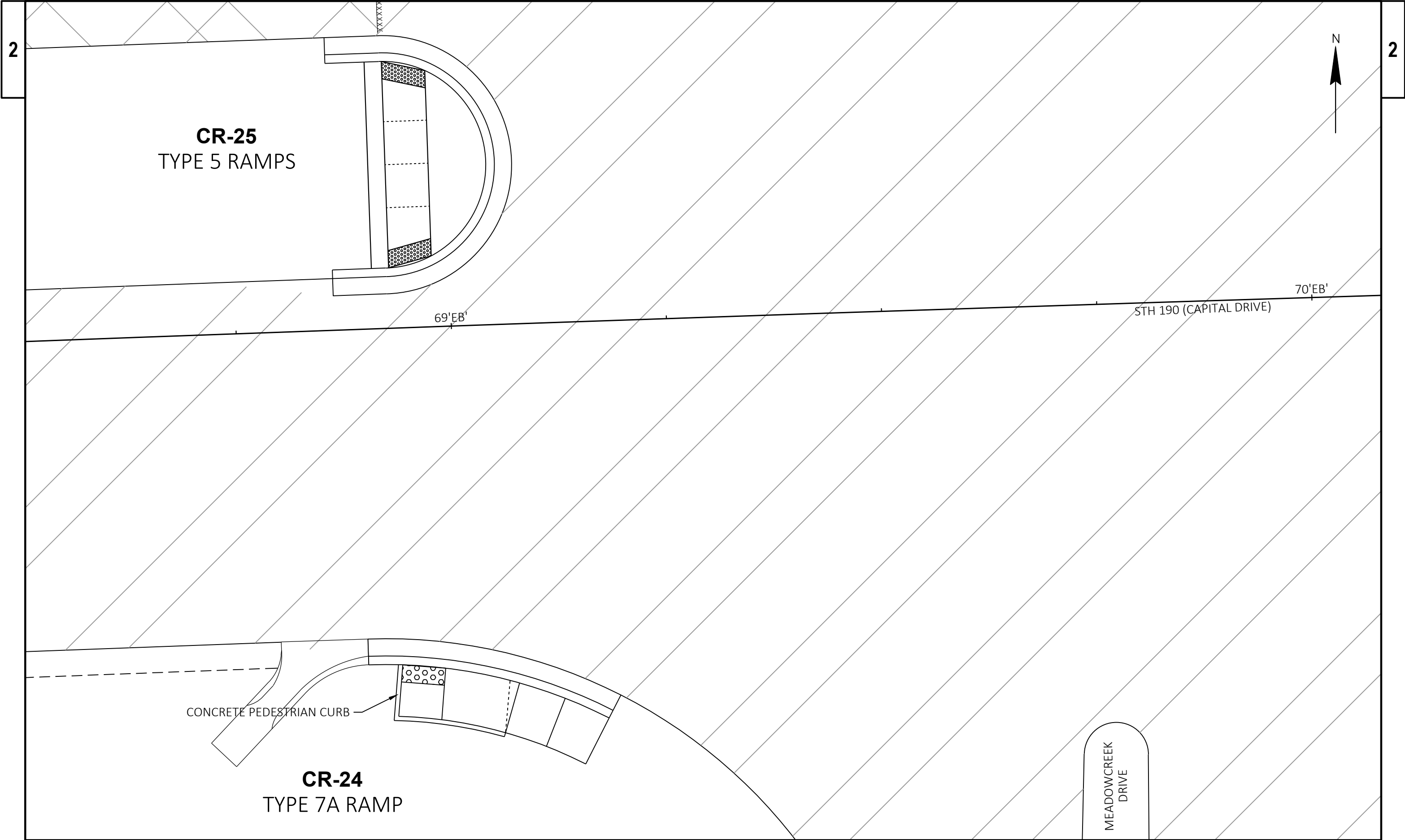
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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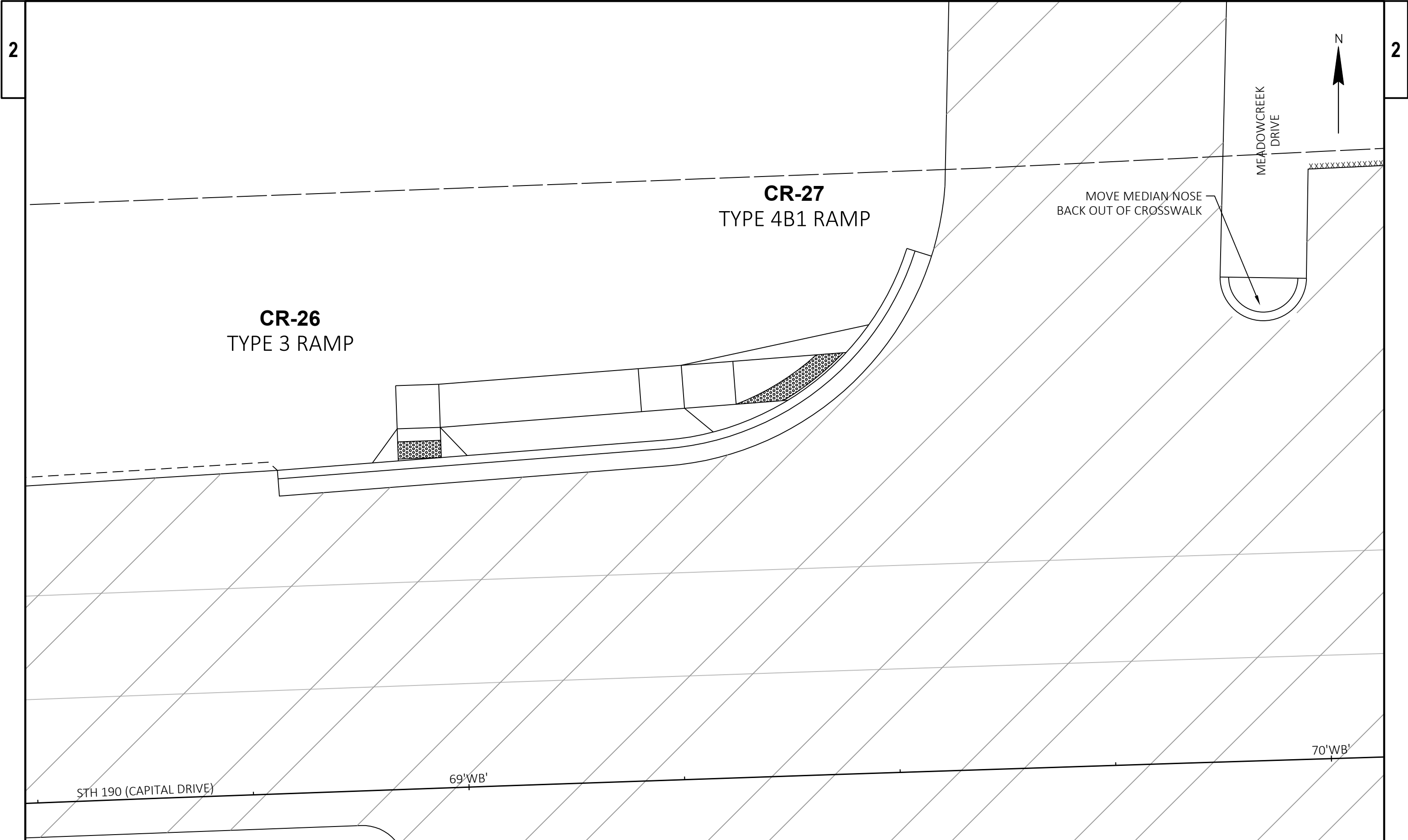
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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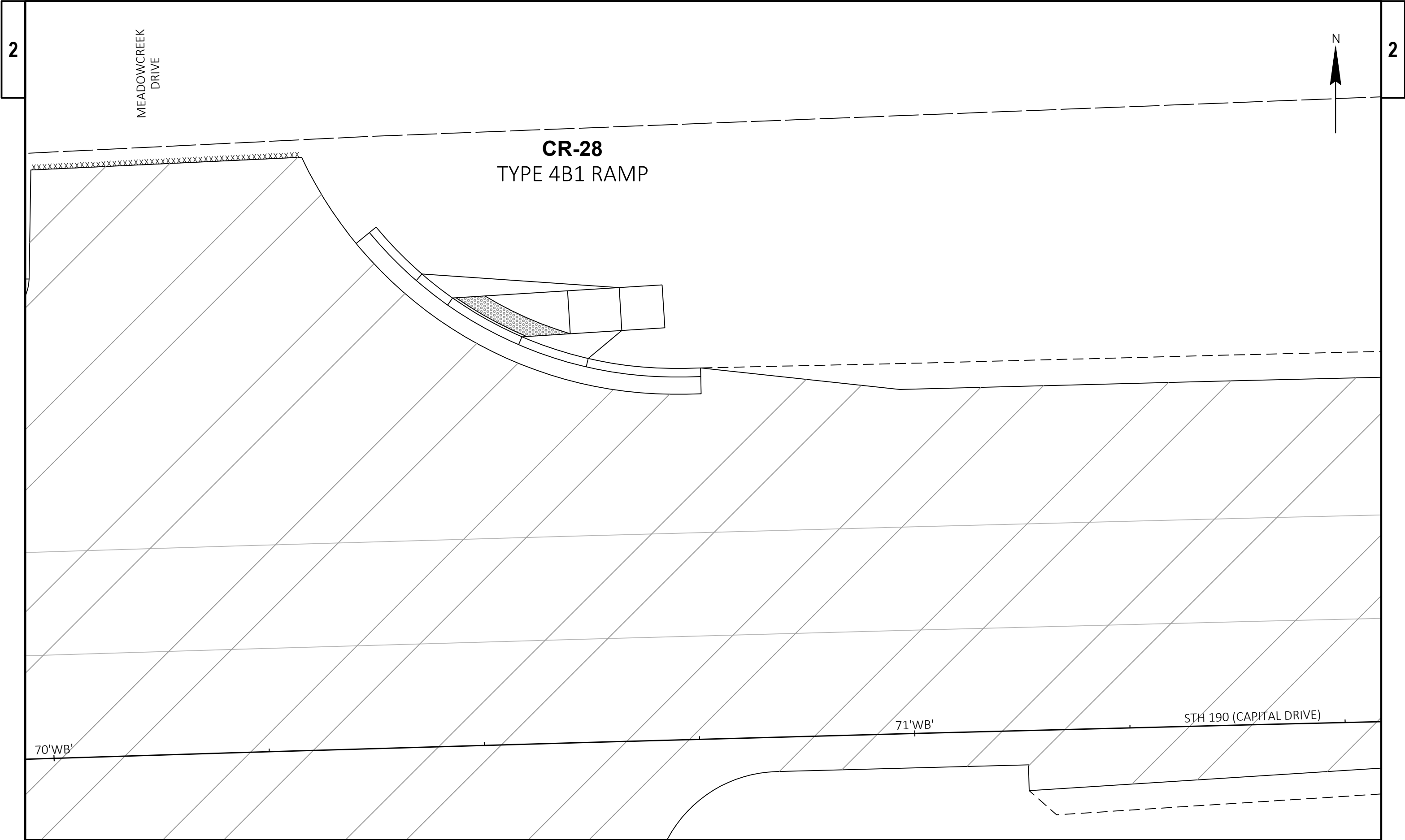
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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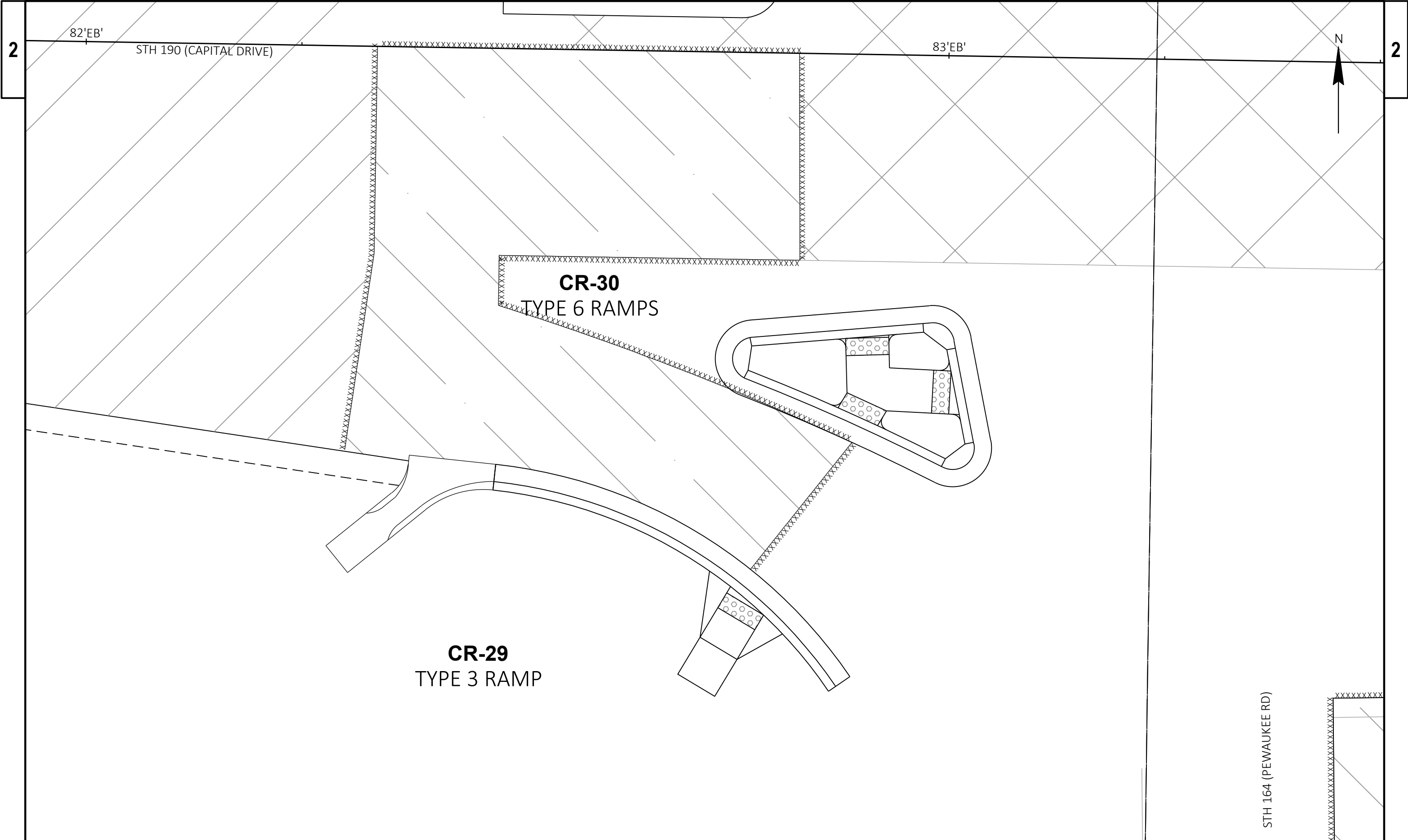
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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CR-29
TYPE 3 RAMP

CR-30
TYPE 6 RAMPS

STH 190 (CAPITAL DRIVE)

83'EB'

82'EB'

STH 164 (PEWAUKEE RD)



PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CURB RAMP DETAILS	SHEET	E
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2

STH 190 (CAPITAL DRIVE)

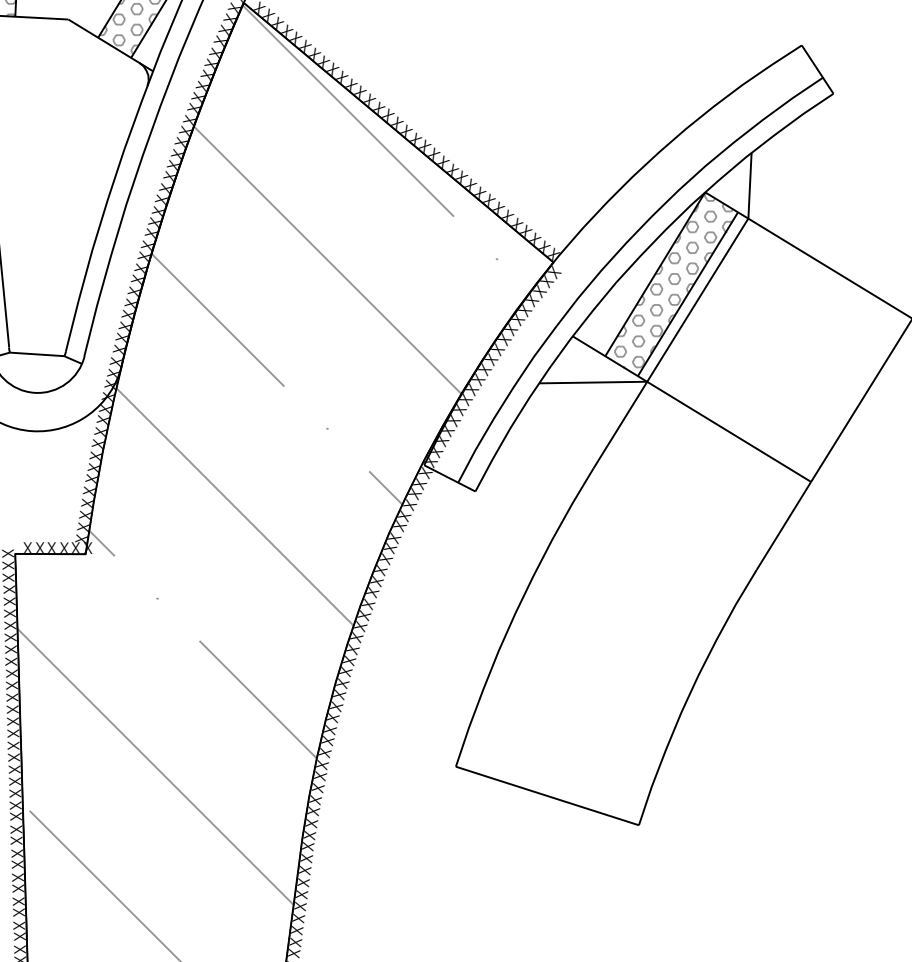
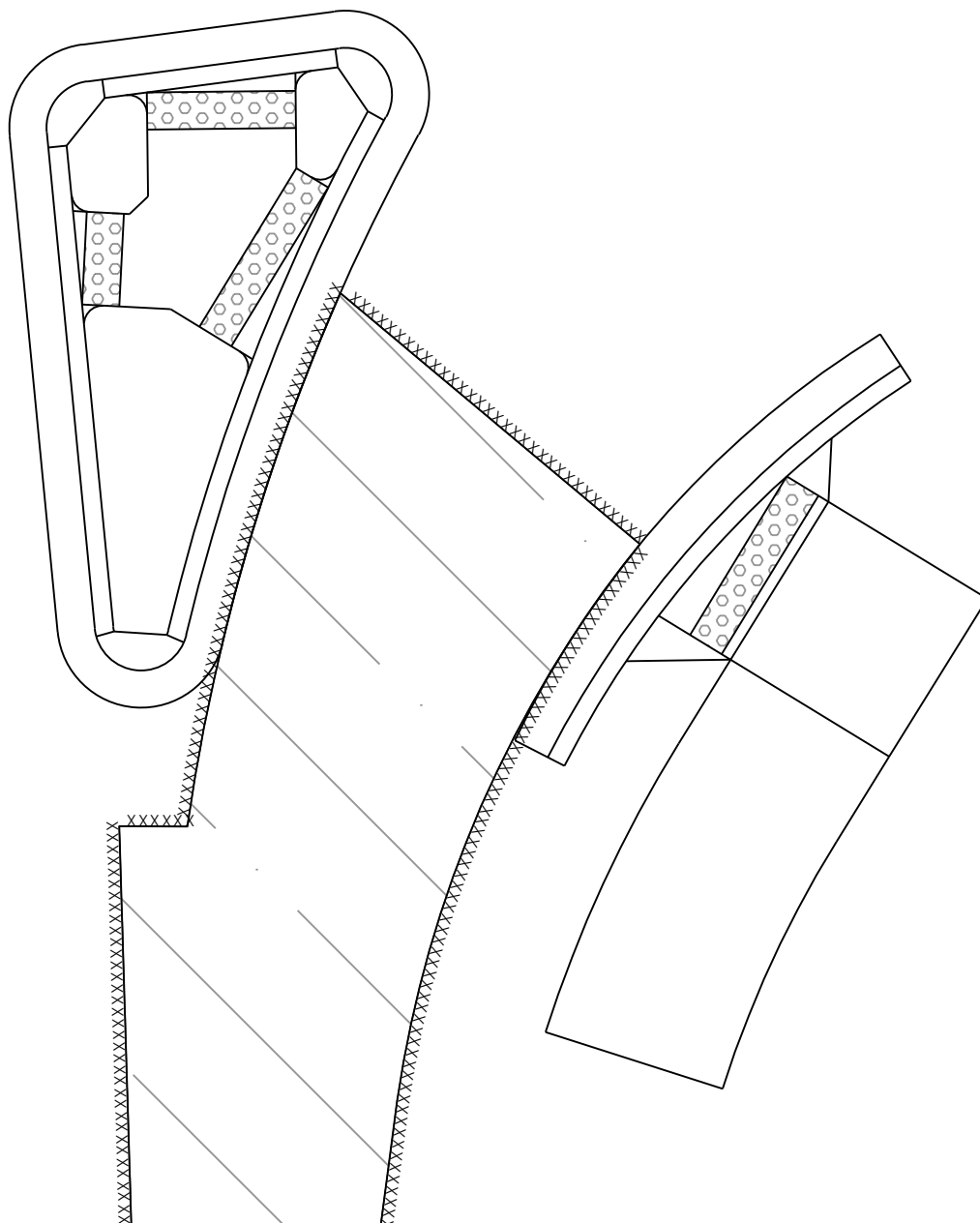
84'EB'

EB'

1

2

CR-31
TYPE 6 RAMPS



CR-32
TYPE 3 RAMP

PROJECT NO:	2025-07-73
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HWY: STH 190

COUNTY: WAUKESHA

CURB RAMP DETAILS

SHEET

E

FILE NAME : I:\47\470337 STH 190 - CAPITOL DRIVE\C3D\SHEETSP\2025-07-73_021202_CR.DWG
LAYOUT NAME : 15

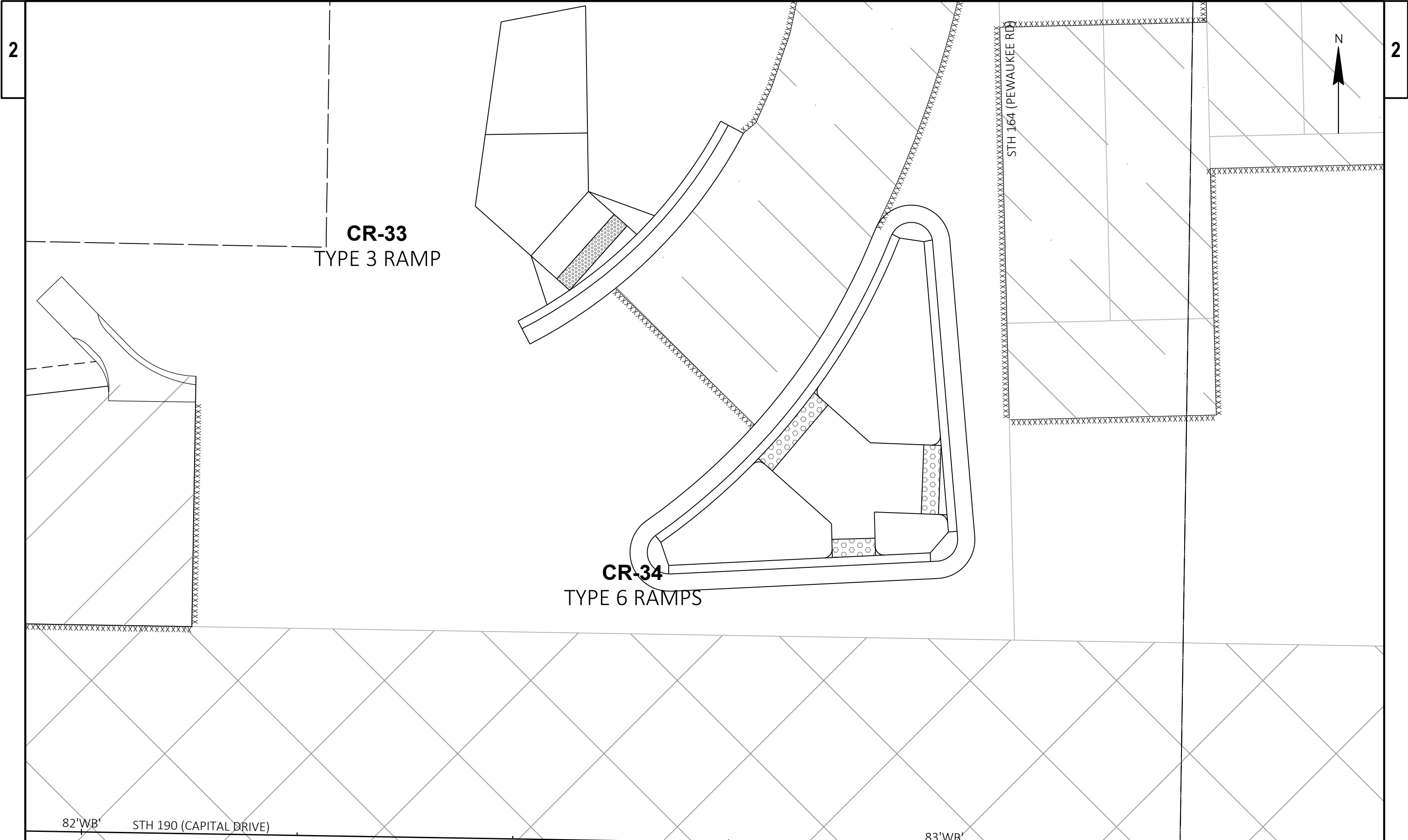
PLOT DATE : 3/1/2022 11:04 AM

PLOT BY : BUTTERIS, BRADLEY

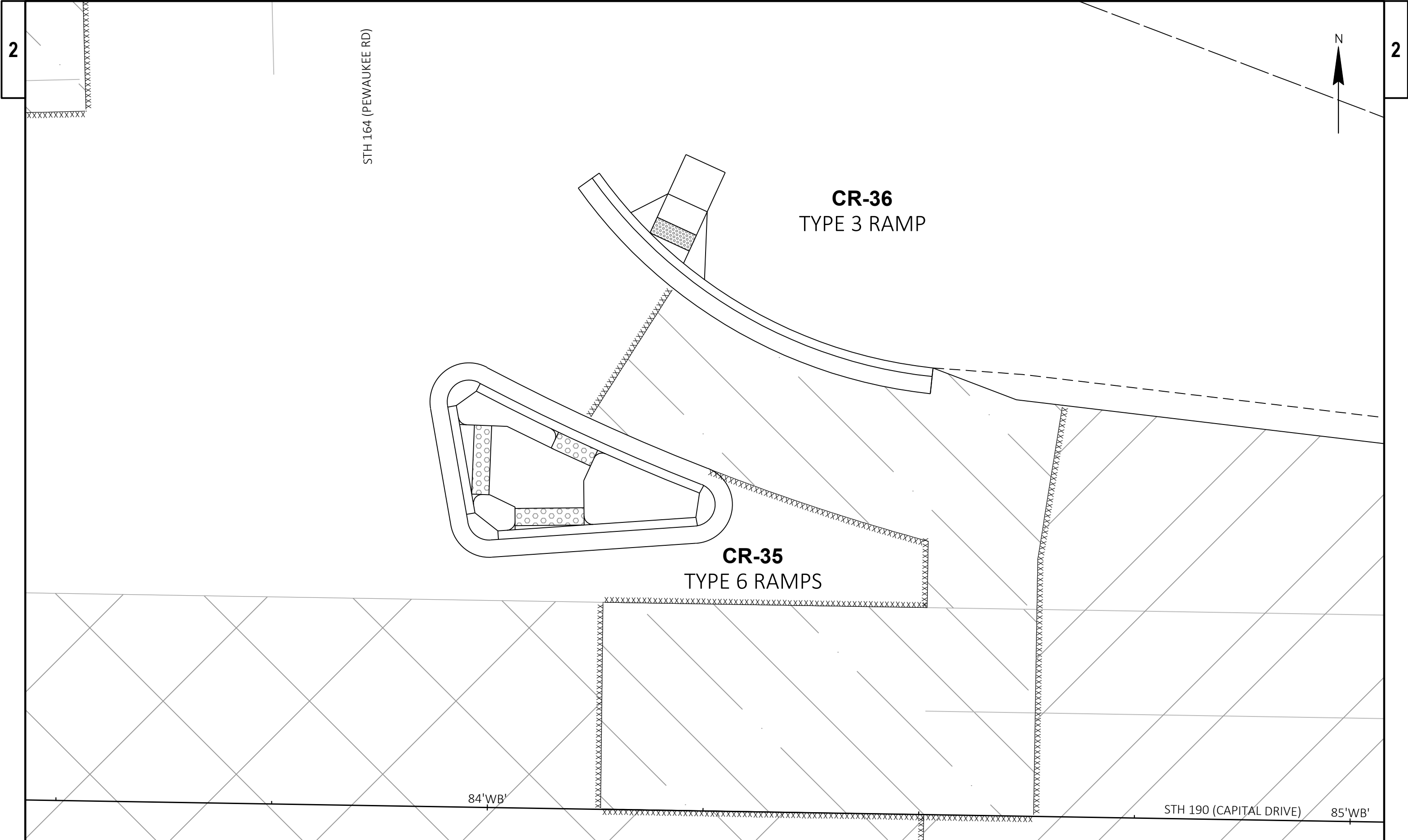
PLOT NAME :

PLOT SCALE : 1 IN:10 FT

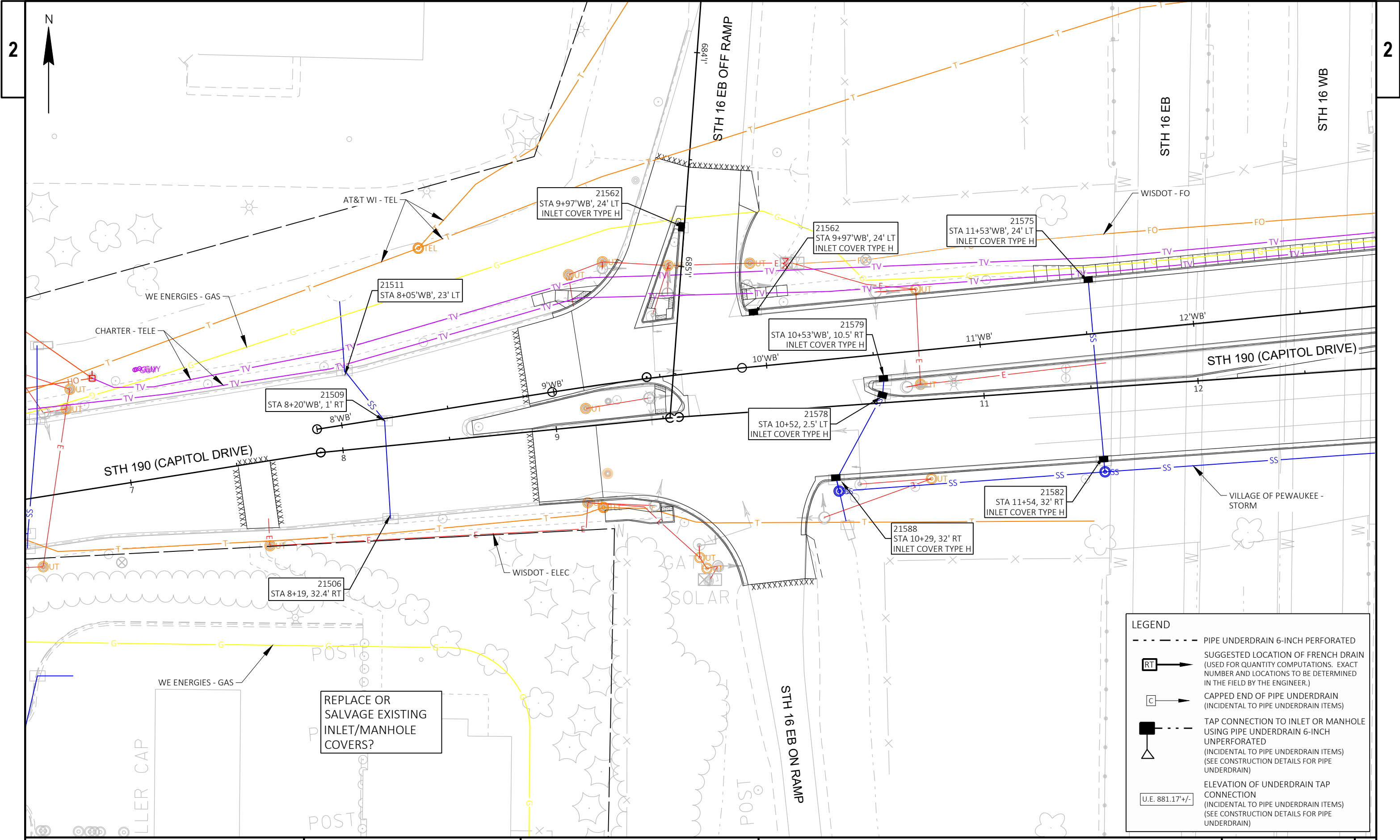
WISDOT/CADDS SHEET 42

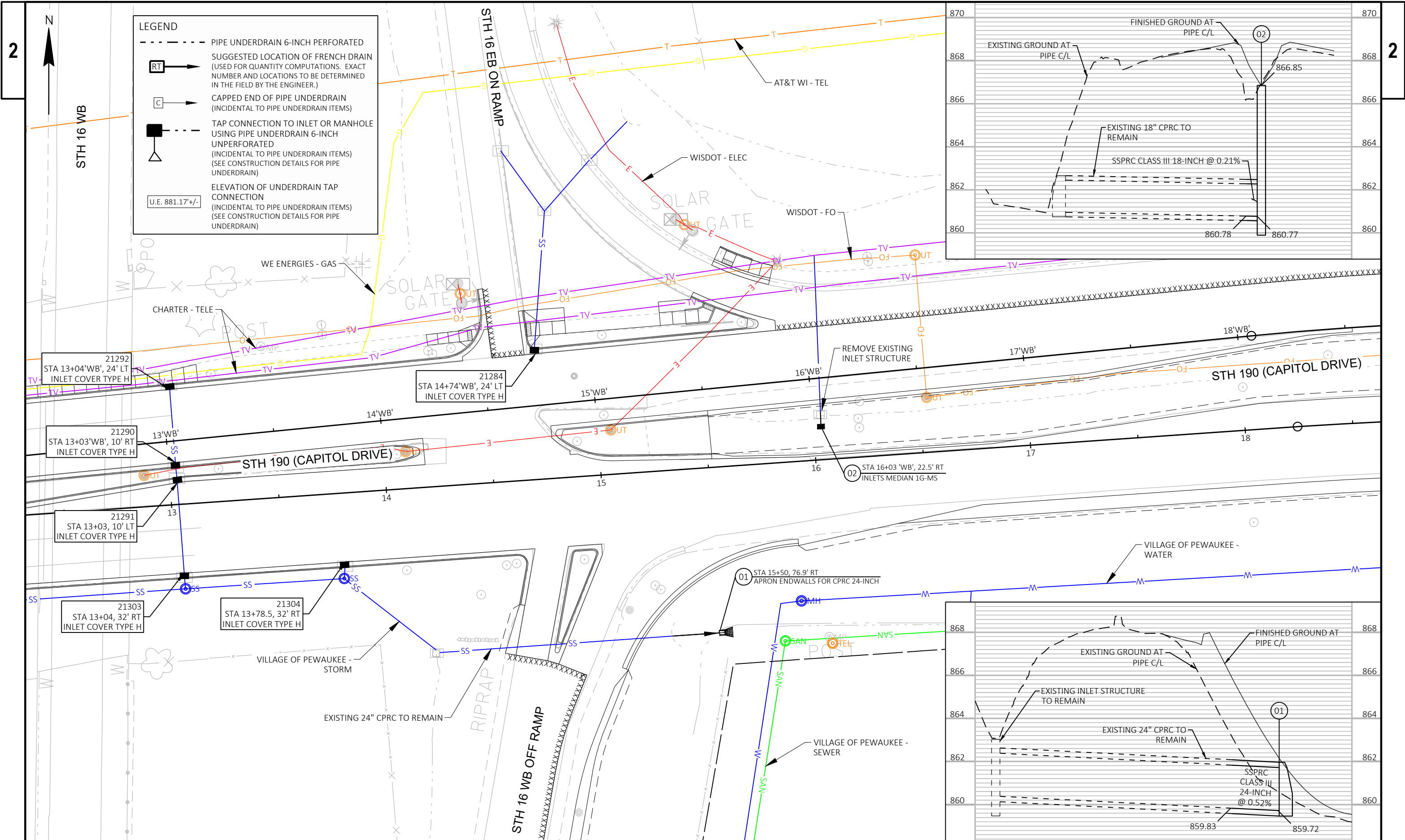


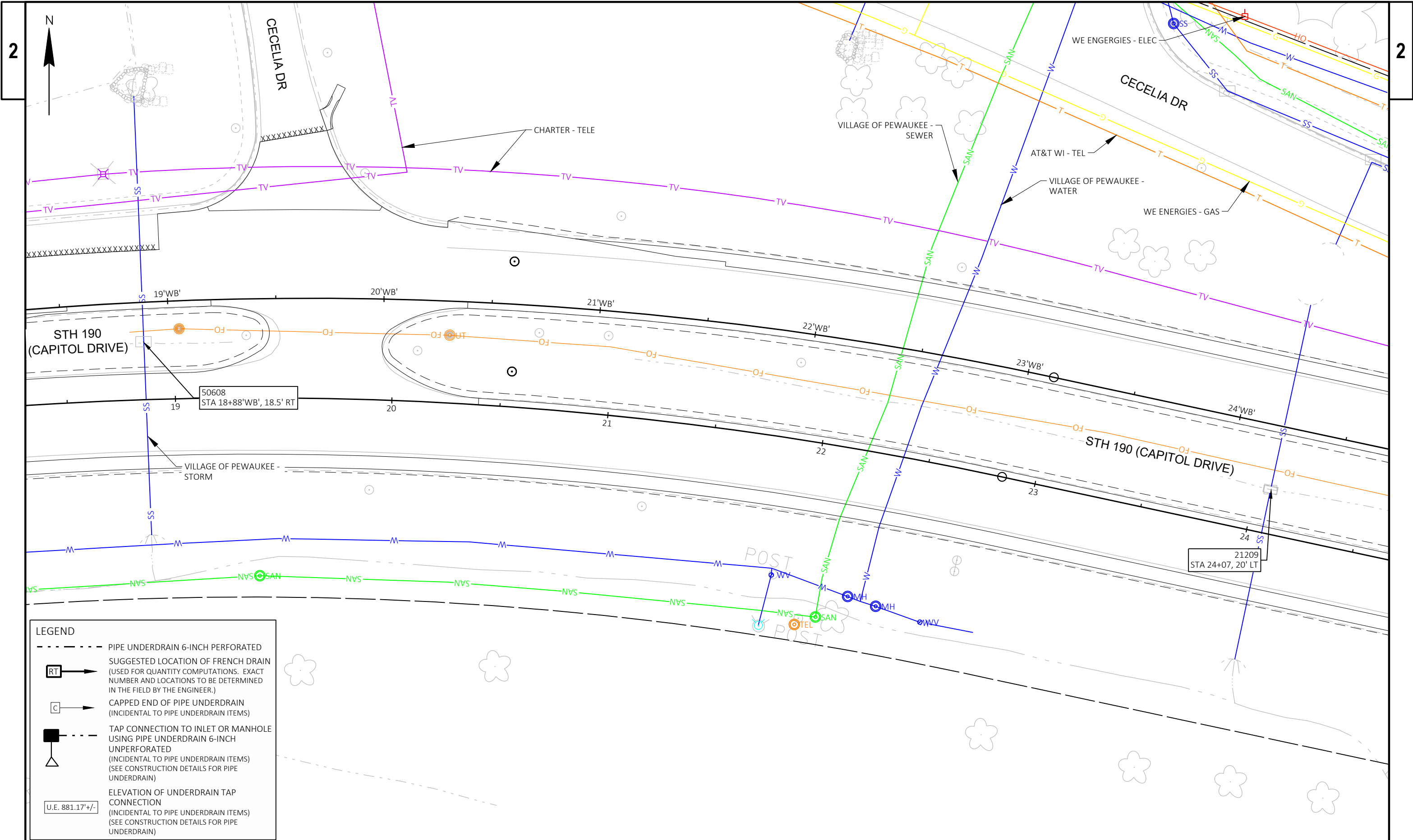
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CURB RAMP DETAILS	SHEET	E
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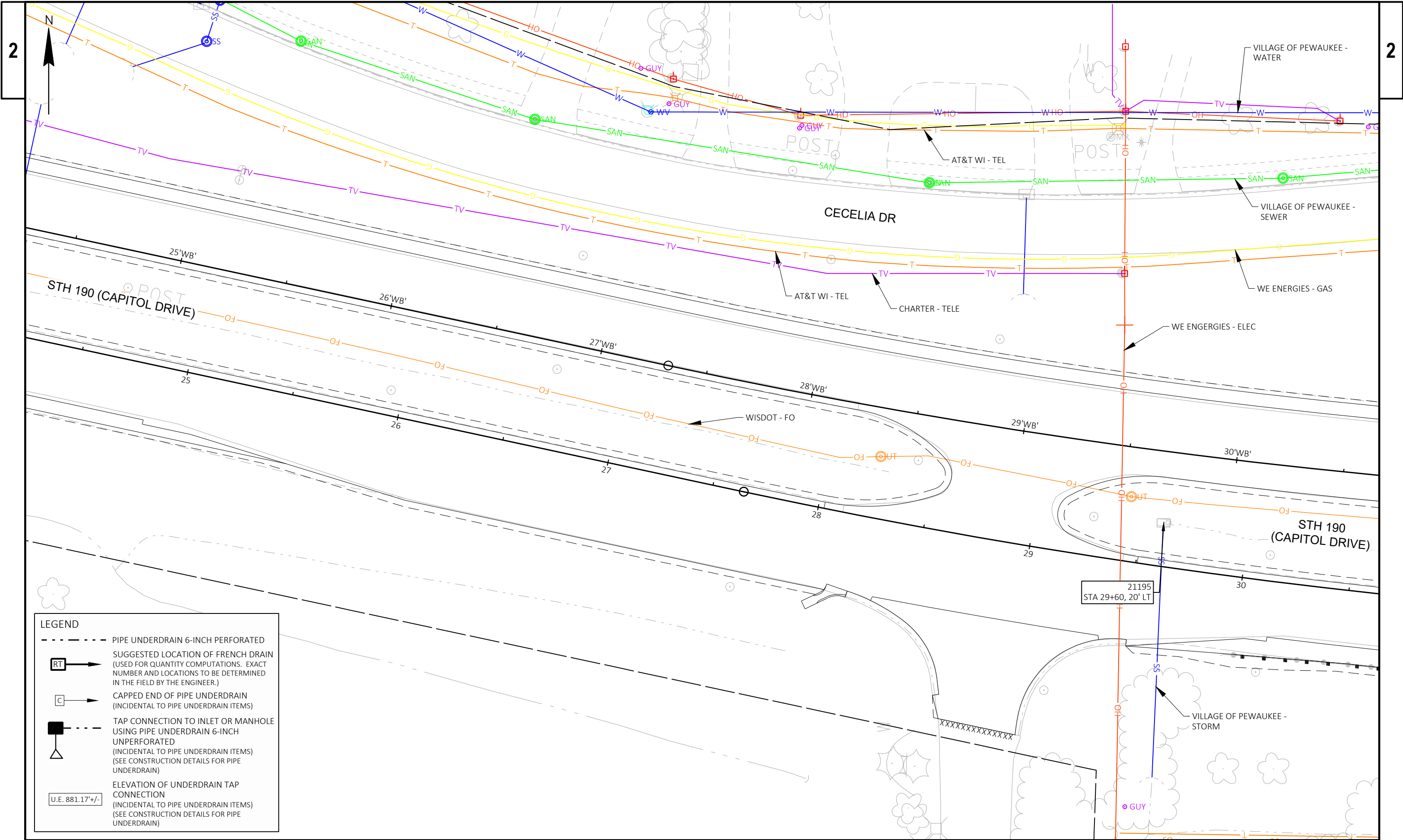


PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CURB RAMP DETAILS	SHEET	E
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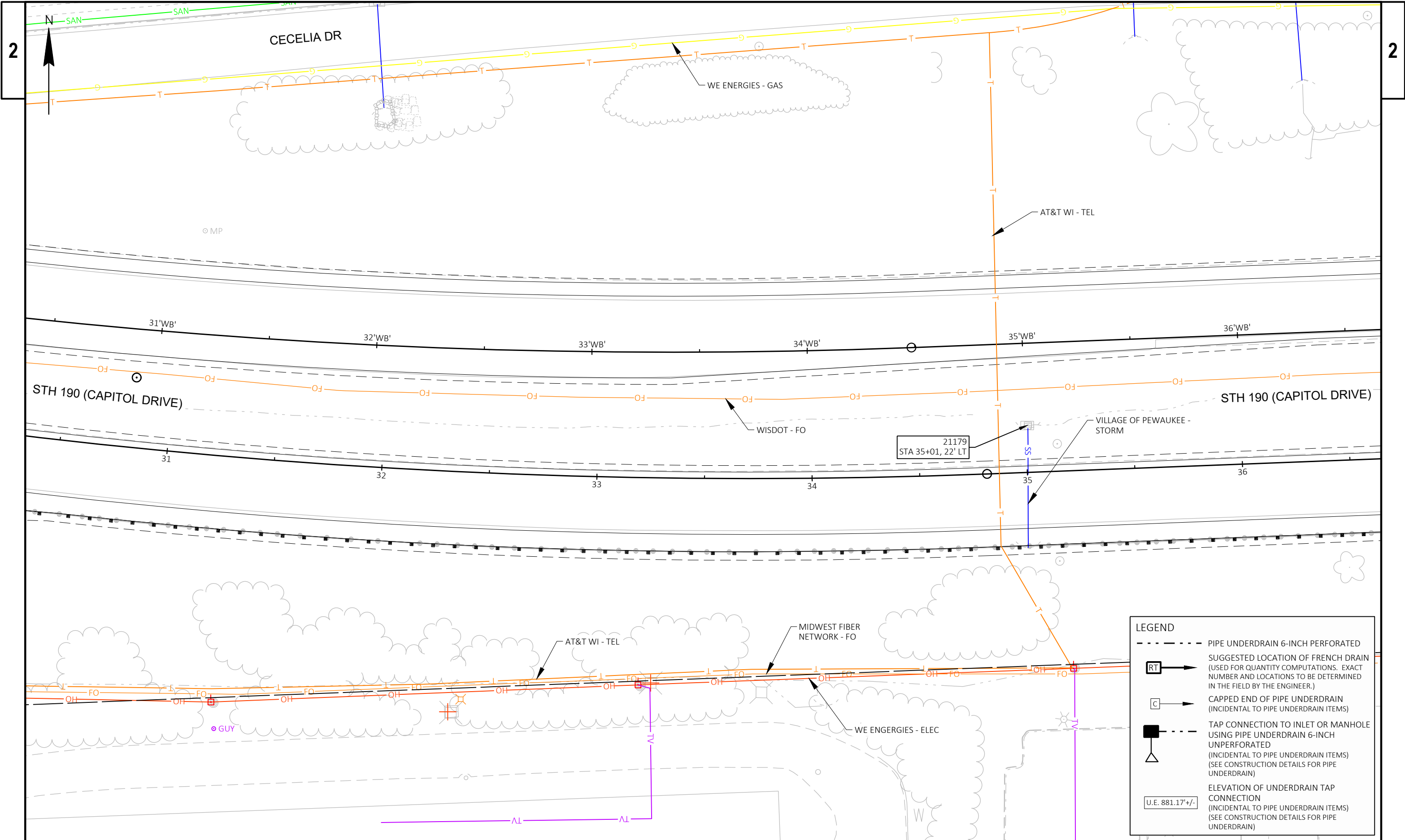


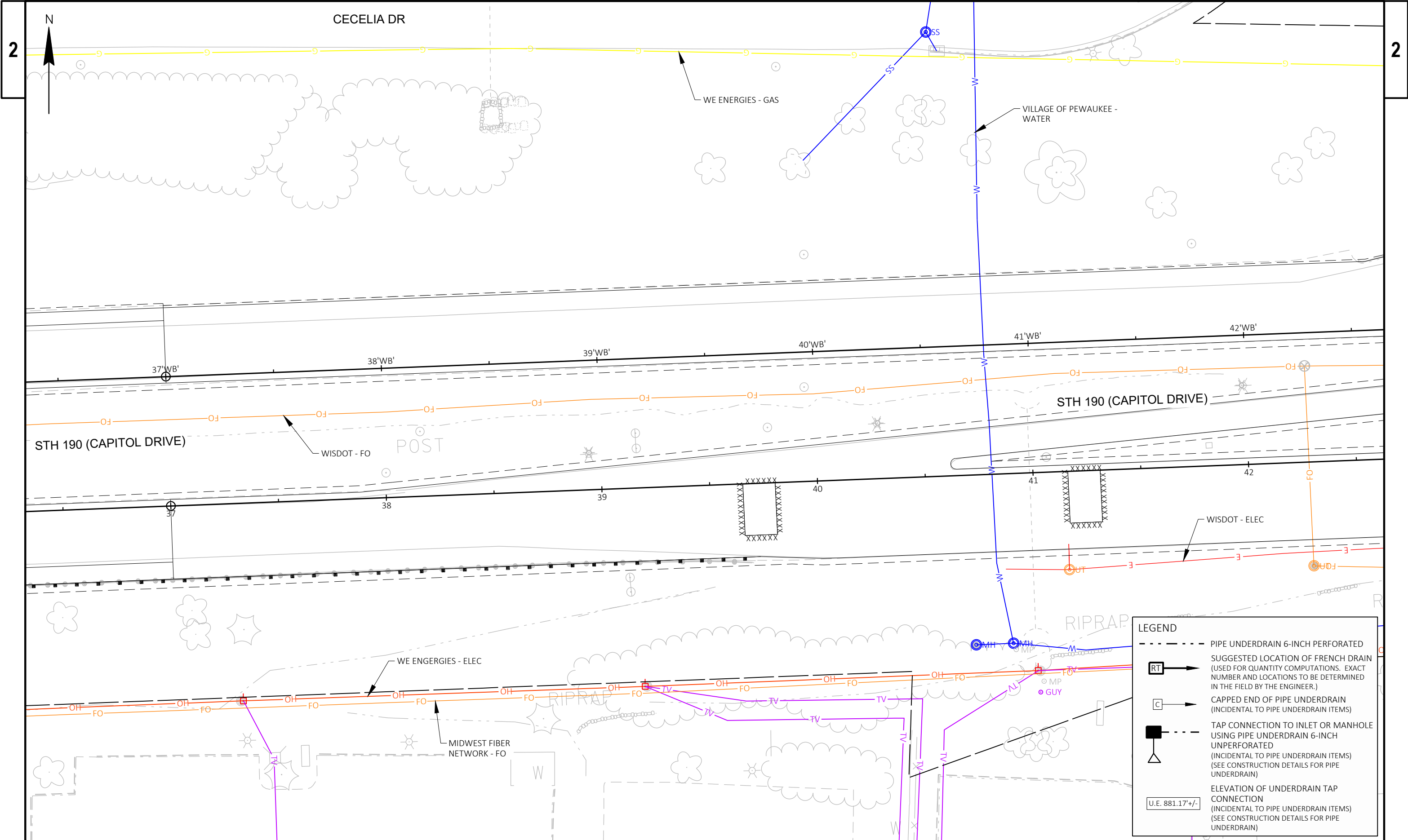




LEGEND

- PIPE UNDERDRAIN 6-INCH PERFORATED
- RT → SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C → CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- --- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- △ ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'±



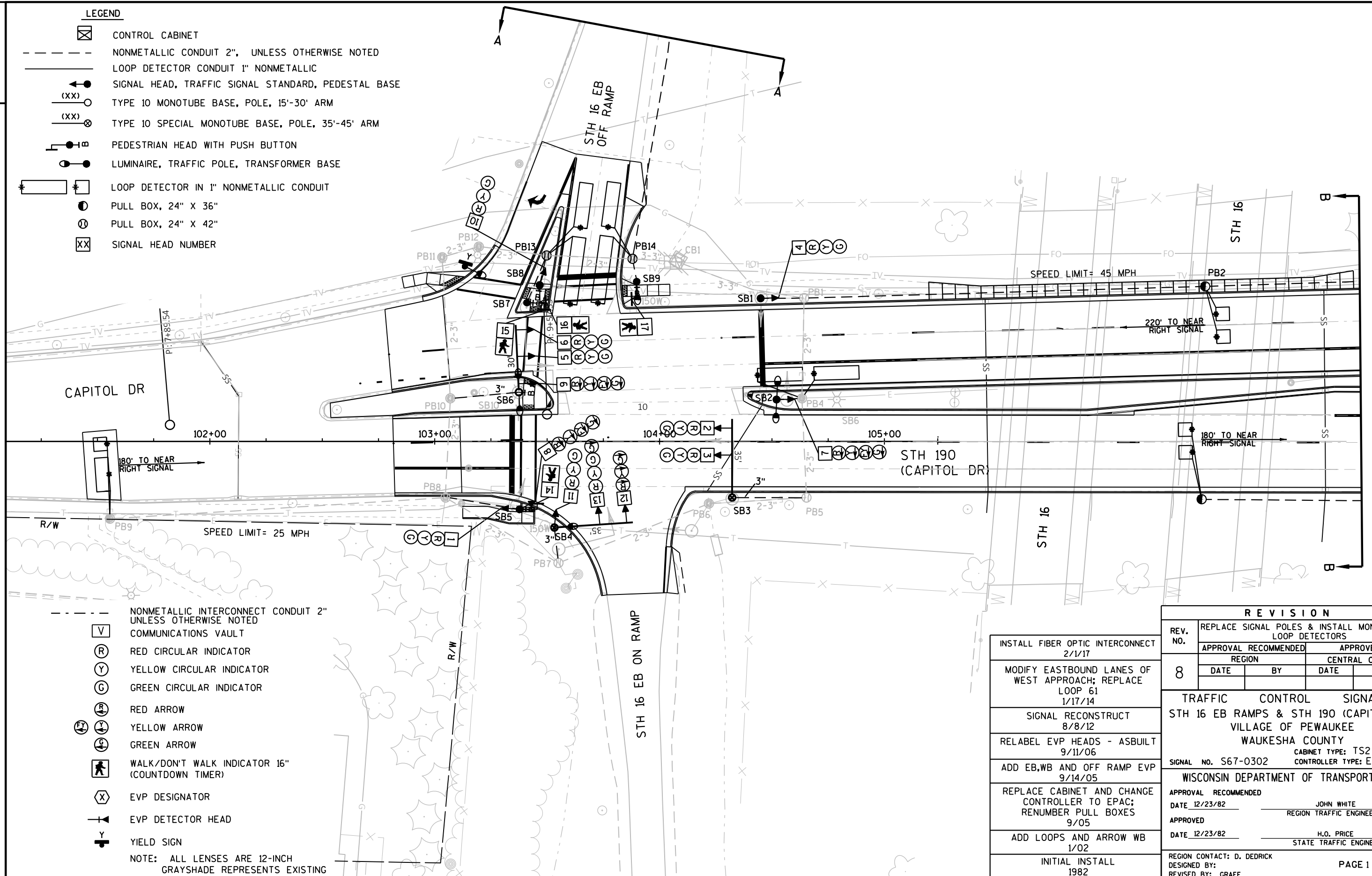


2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) TYPE 10 MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) TYPE 10 SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER



- NONMETALLIC INTERCONNECT CONDUIT 2" UNLESS OTHERWISE NOTED
- COMMUNICATIONS VAULT
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- YIELD SIGN
- NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

INSTALL FIBER OPTIC INTERCONNECT
2/1/17
MODIFY EASTBOUND LANES OF WEST APPROACH; REPLACE LOOP 61
1/17/14
SIGNAL RECONSTRUCT
8/8/12
RELABEL EVP HEADS - ASBUILT
9/11/06
ADD EB, WB AND OFF RAMP EVP
9/14/05
REPLACE CABINET AND CHANGE CONTROLLER TO EPAC; RENUMBER PULL BOXES
9/05
ADD LOOPS AND ARROW WB
1/02
INITIAL INSTALL
1982

REVISION					
8	REV. NO.	REPLACE SIGNAL POLES & INSTALL MONOTUBES & LOOP DETECTORS			
	APPROVAL RECOMMENDED		APPROVED		
	REGION		CENTRAL OFFICE		
	DATE	BY	DATE	BY	
TRAFFIC CONTROL SIGNAL					
STH 16 EB RAMP & STH 190 (CAPITOL DR)					
VILLAGE OF PEWAUKEE					
WAUKESHA COUNTY					
CABINET TYPE: TS2					
CONTROLLER TYPE: EPAC					
SIGNAL NO. S67-0302					
WISCONSIN DEPARTMENT OF TRANSPORTATION					
APPROVAL RECOMMENDED		JOHN WHITE			
DATE 12/23/82		REGION TRAFFIC ENGINEER			
APPROVED		H.O. PRICE			
DATE 12/23/82		STATE TRAFFIC ENGINEER			
REGION CONTACT: D. DEDRICK			PAGE 1 OF 3		
DESIGNED BY:					
REVISED BY: GRAEF					

PROJECT NO:2025-07-03

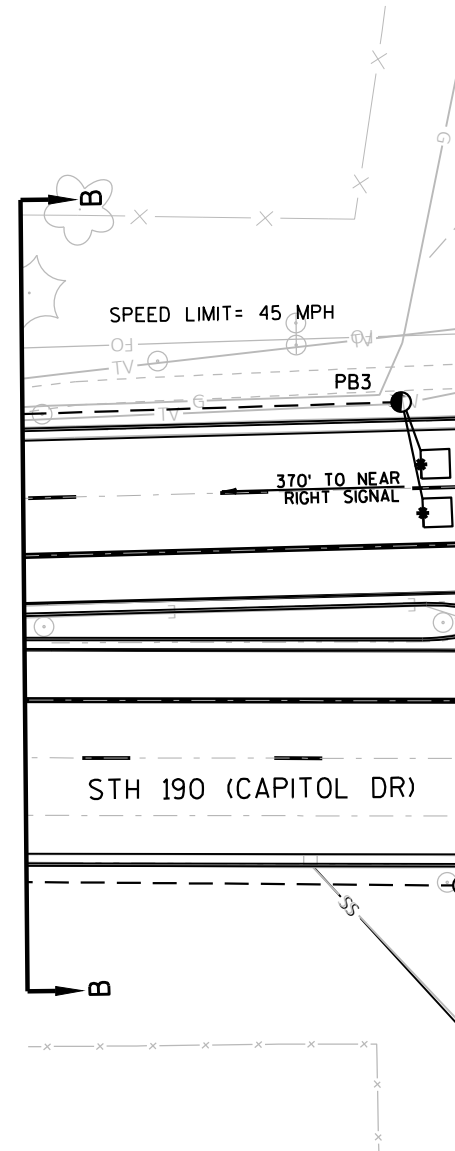
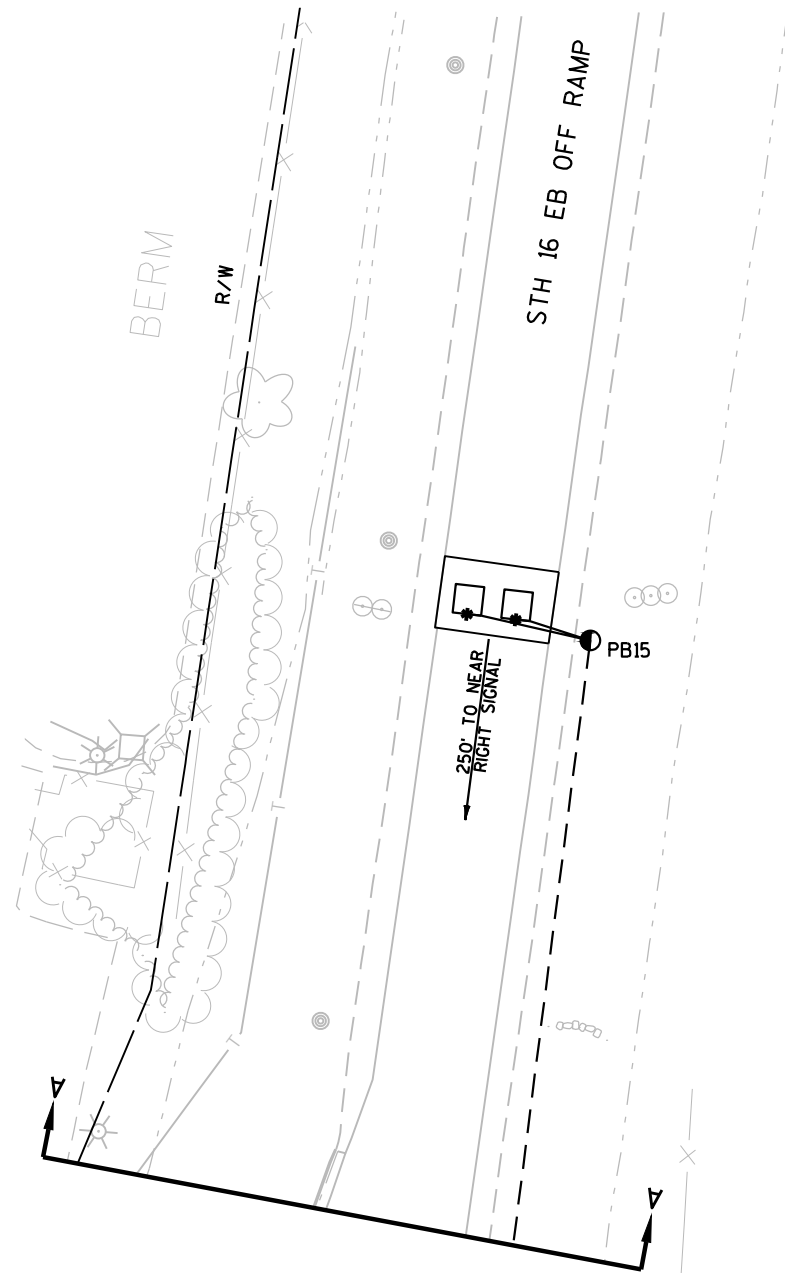
HWY: STH 190

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E



TRAFFIC CONTROL SIGNAL	
STH 16 EB RAMPS & STH 190 (CAPITOL DR)	
VILLAGE OF PEWAUKEE	
WAUKESHA COUNTY	
SIGNAL NO. S67-0302	
REGION CONTACT: D. DEDRICK	PAGE 2 OF 3
DESIGNED BY:	
REVISED BY: GRAEF	

LEGEND

- ☒ CONTROL CABINET
- — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- - - NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) ○ TYPE 10 MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) ⊗ TYPE 10 SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- ◀● PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * □ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊖ PULL BOX, 24" X 42"

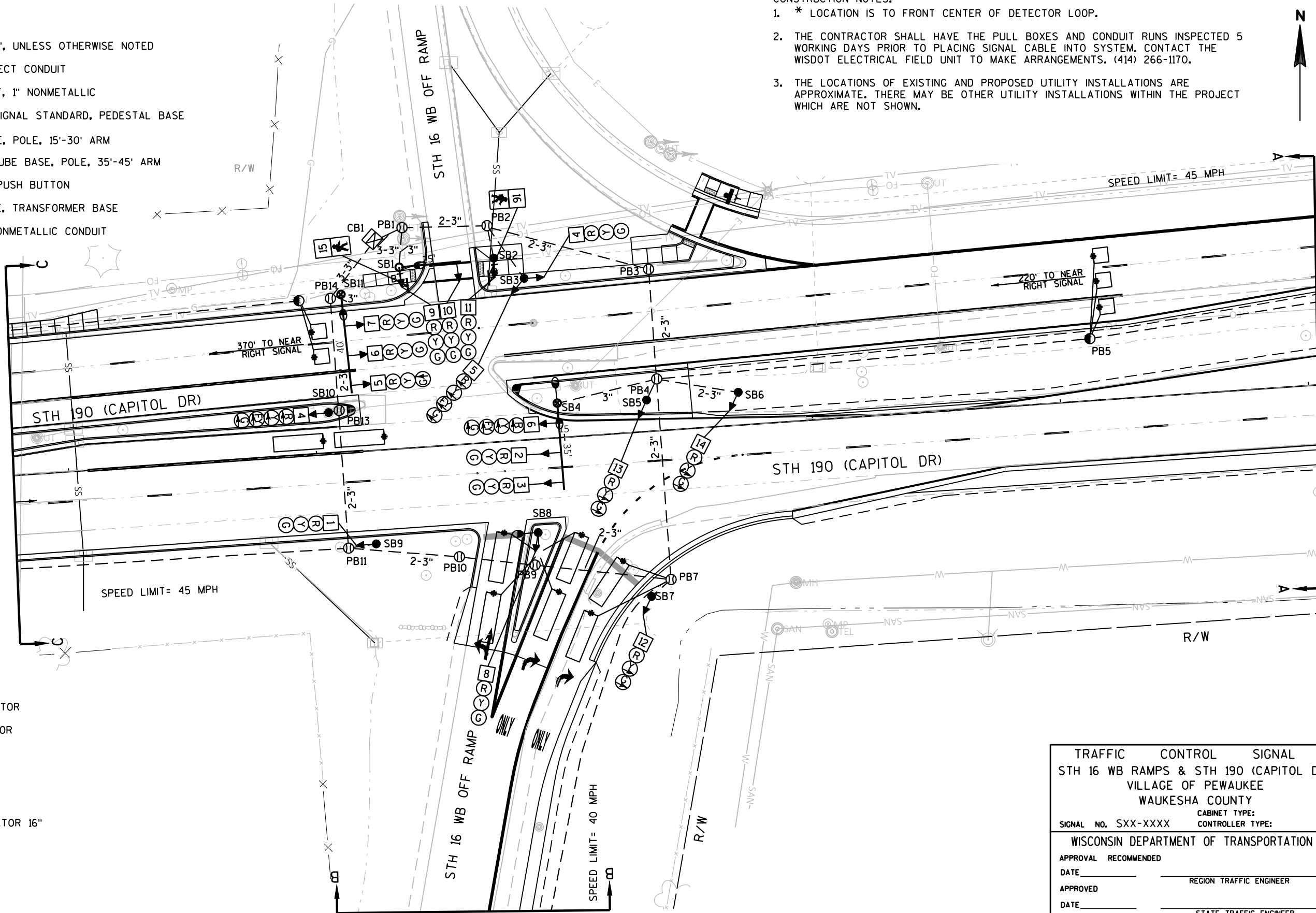
CONSTRUCTION NOTES:

- * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
- THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

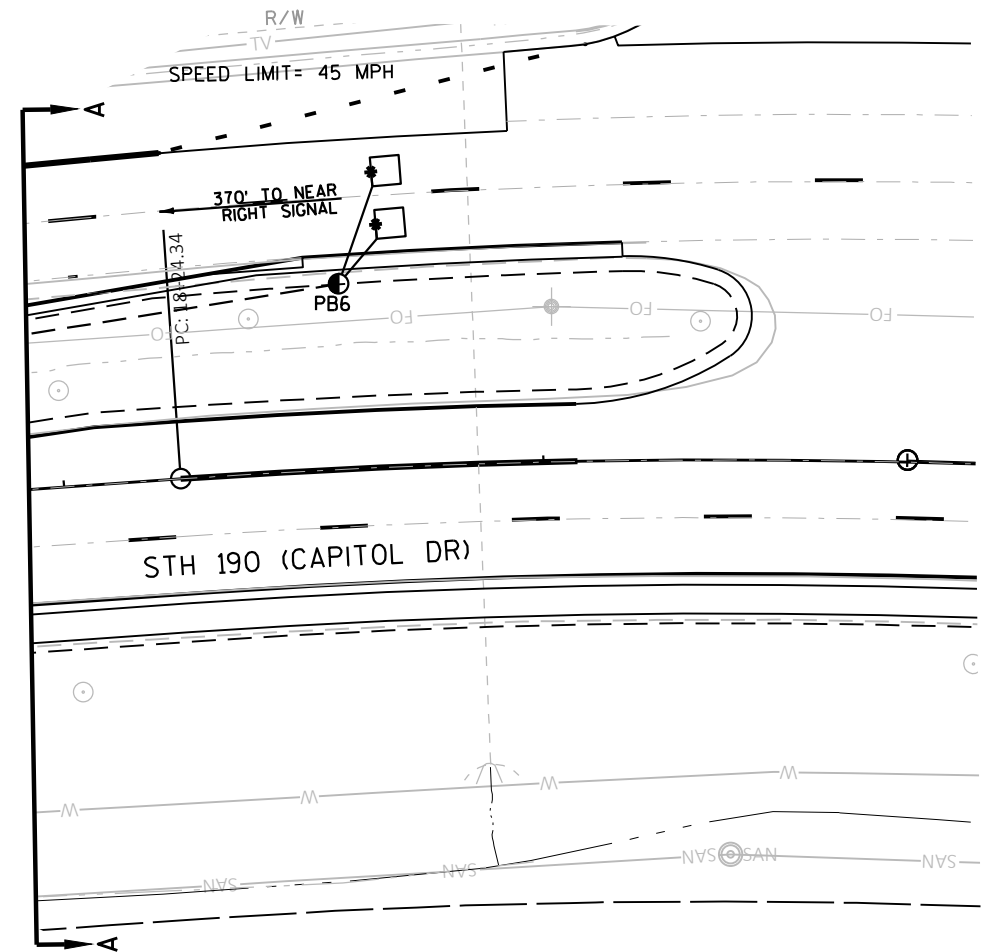
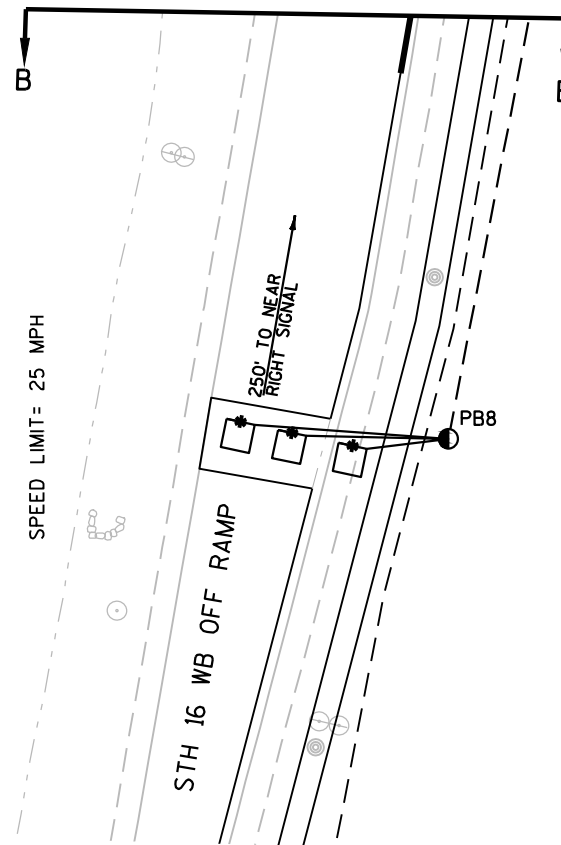
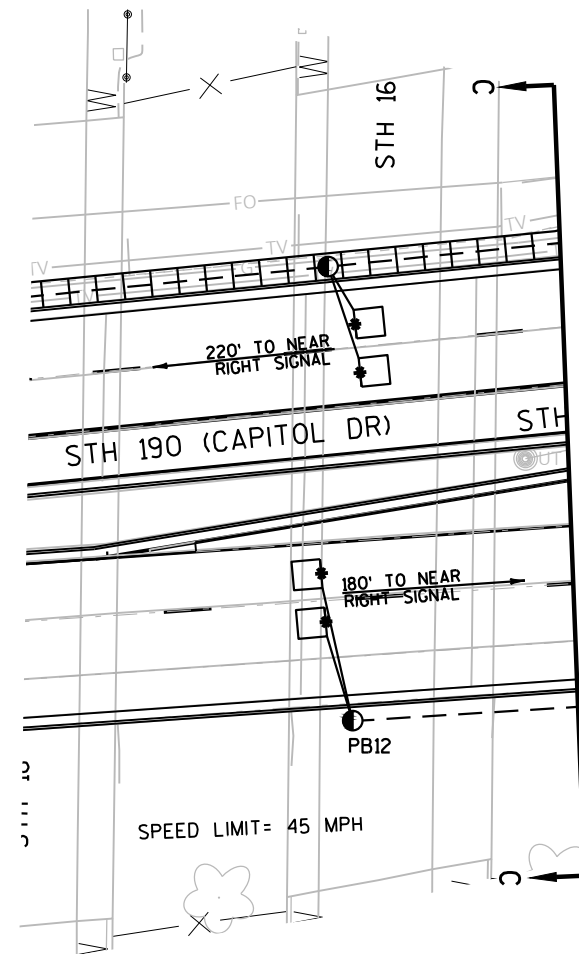


- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- ◀● WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (X) EVP DESIGNATOR
- ◀● EVP DETECTOR HEAD
- COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL	
STH 16 WB RAMPS & STH 190 (CAPITOL DR)	
VILLAGE OF PEWAUKEE	
WAUKESHA COUNTY	
SIGNAL NO. SXX-XXXX	CABINET TYPE: CONTROLLER TYPE:
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL	RECOMMENDED
DATE	REGION TRAFFIC ENGINEER
APPROVED	
DATE	STATE TRAFFIC ENGINEER
REGION CONTACT: DESIGNED BY: GRAEF	
REVISED BY:	



TRAFFIC CONTROL SIGNAL	
STH 16 WB RAMPS & STH 190 (CAPITOL DR)	
VILLAGE OF PEWAUKEE	
WAUKESHA COUNTY	
SIGNAL NO. S67-0927	
REGION CONTACT: D. BRANTNER	PAGE 2 OF 3
DESIGNED BY: GRAEF	
REVISED BY:	

PROJECT NO: 2025-07-03

HWY: STH 190

COUNTY: WAUKESHA

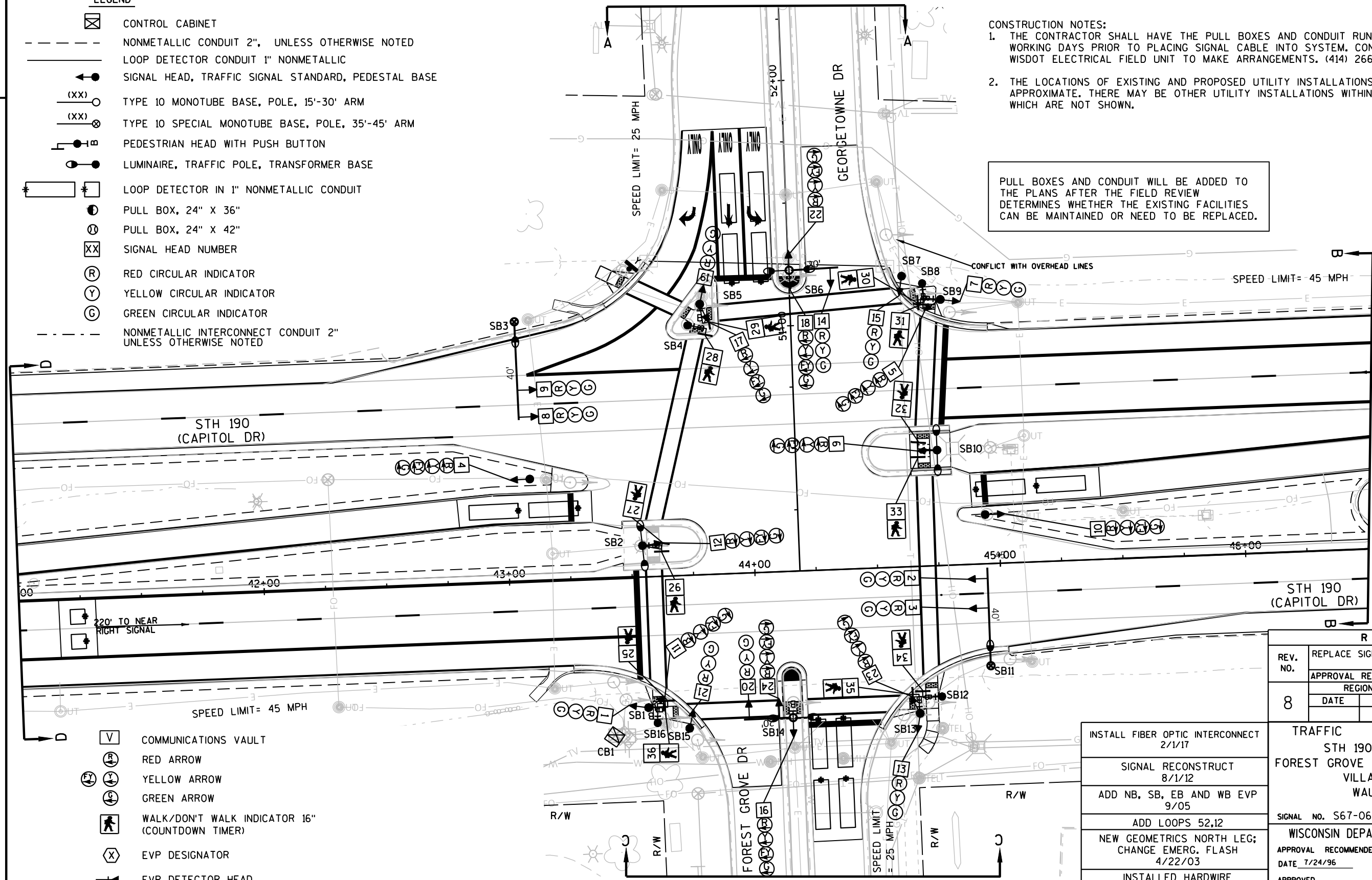
TRAFFIC SIGNAL PLAN

SHEET

E

LEGEND

- ☒ CONTROL CABINET
--- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
--- LOOP DETECTOR CONDUIT 1" NONMETALLIC
● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
(XX) ○ TYPE 10 MONOTUBE BASE, POLE, 15'-30' ARM
(XX) ⊗ TYPE 10 SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
● PEDESTRIAN HEAD WITH PUSH BUTTON
● LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
* □ * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
● PULL BOX, 24" X 36"
○ PULL BOX, 24" X 42"
XX SIGNAL HEAD NUMBER
(R) RED CIRCULAR INDICATOR
(Y) YELLOW CIRCULAR INDICATOR
(G) GREEN CIRCULAR INDICATOR
--- NONMETALLIC INTERCONNECT CONDUIT 2"
UNLESS OTHERWISE NOTED



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

PULL BOXES AND CONDUIT WILL BE ADDED TO THE PLANS AFTER THE FIELD REVIEW DETERMINES WHETHER THE EXISTING FACILITIES CAN BE MAINTAINED OR NEED TO BE REPLACED.

N

- V COMMUNICATIONS VAULT
● RED ARROW
● YELLOW ARROW
● GREEN ARROW
● WALK/DON'T WALK INDICATOR 16"
(COUNTDOWN TIMER)
● EVP DESIGNATOR
● EVP DETECTOR HEAD
● YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REVISION

REV. NO.	REPLACE SIGNAL POLES & INSTALL MONOTUBES & LOOP DETECTORS			
	APPROVAL RECOMMENDED		APPROVED	
8	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

INSTALL FIBER OPTIC INTERCONNECT 2/1/17
SIGNAL RECONSTRUCT 8/1/12
ADD NB, SB, EB AND WB EVP 9/05
ADD LOOPS 52,12
NEW GEOMETRICS NORTH LEG; CHANGE EMERG. FLASH 4/22/03
INSTALLED HARDWARE INTERCONNECT 2/03
ADDED PHASE 8 PED. SIGNALS WITH PUSH BUTTONS 4/19/99

TRAFFIC CONTROL SIGNAL STH 190 (CAPITOL DRIVE) & FOREST GROVE DRIVE/GEORGE TOWNE DRIVE VILLAGE OF PEWAUKEE WAUKESHA COUNTY	CABINET TYPE: TS2 CONTROLLER TYPE: EPAC
SIGNAL NO. S67-0649	
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED DATE 7/24/96	GARY P. KNERR REGION TRAFFIC ENGINEER
APPROVED DATE 7/29/96	WILLIAM C. GILDING STATE TRAFFIC ENGINEER
REGION CONTACT: D. DEDRICK DESIGNED BY:	PAGE 1 OF 4
REVISED BY: GRAEF	

PROJECT NO:2025-07-03

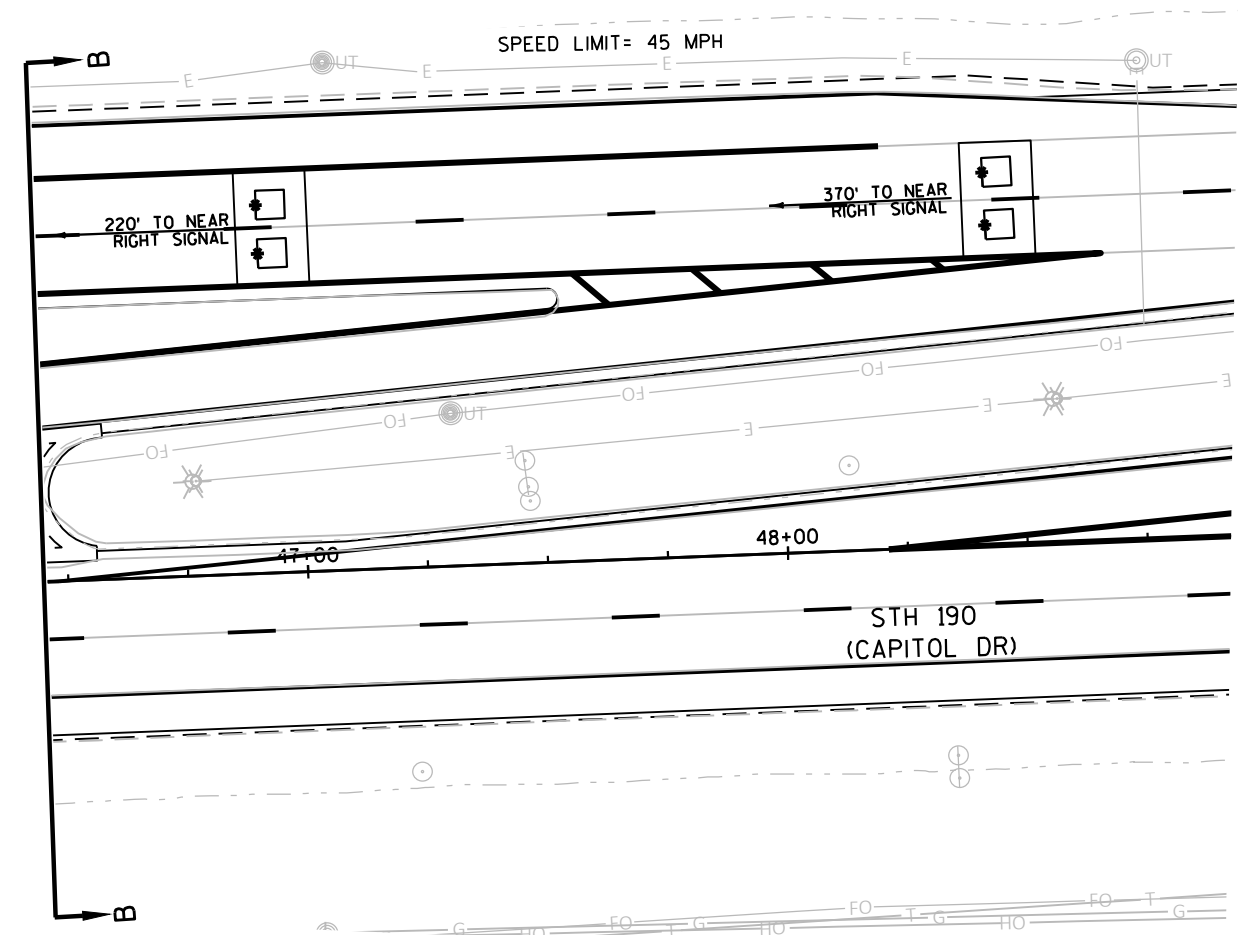
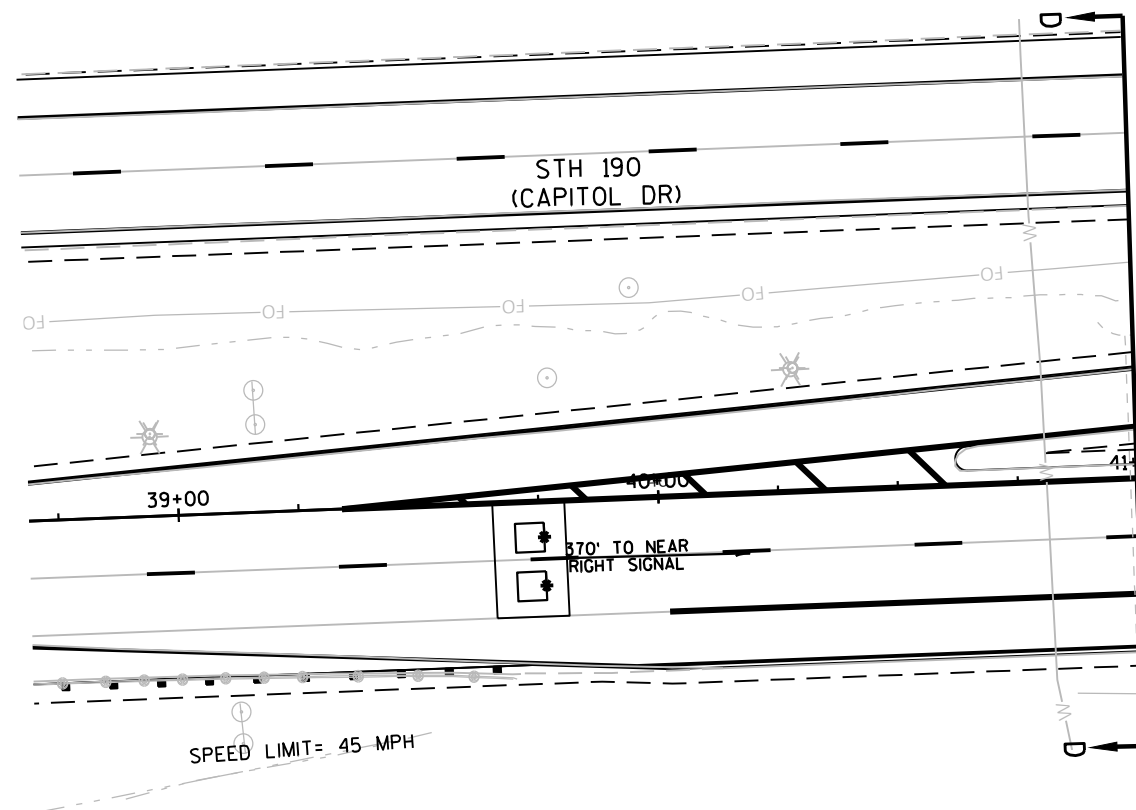
HWY: STH 190

COUNTY: WAUKESHA

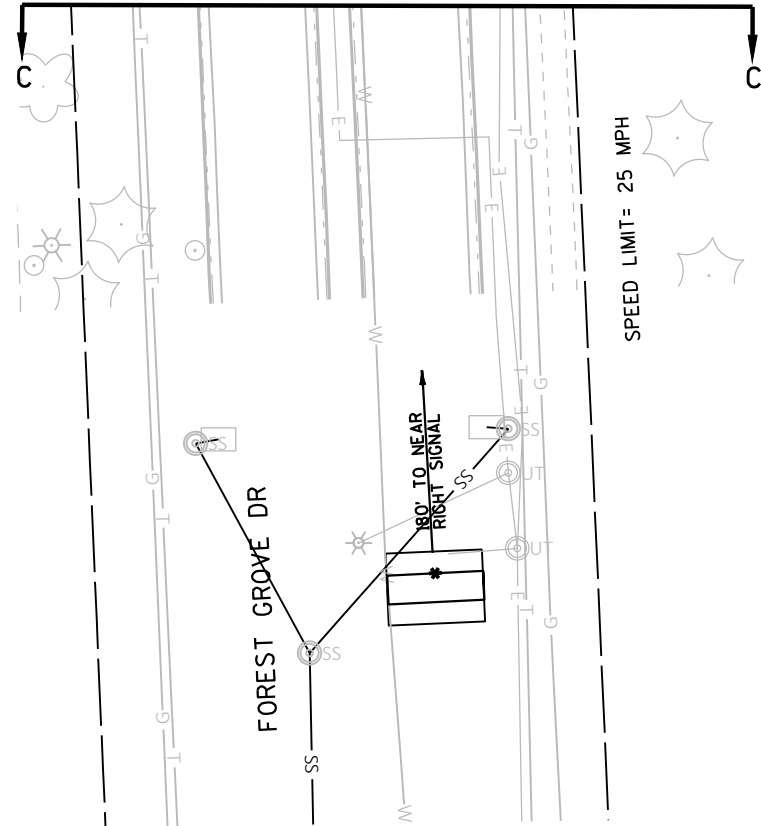
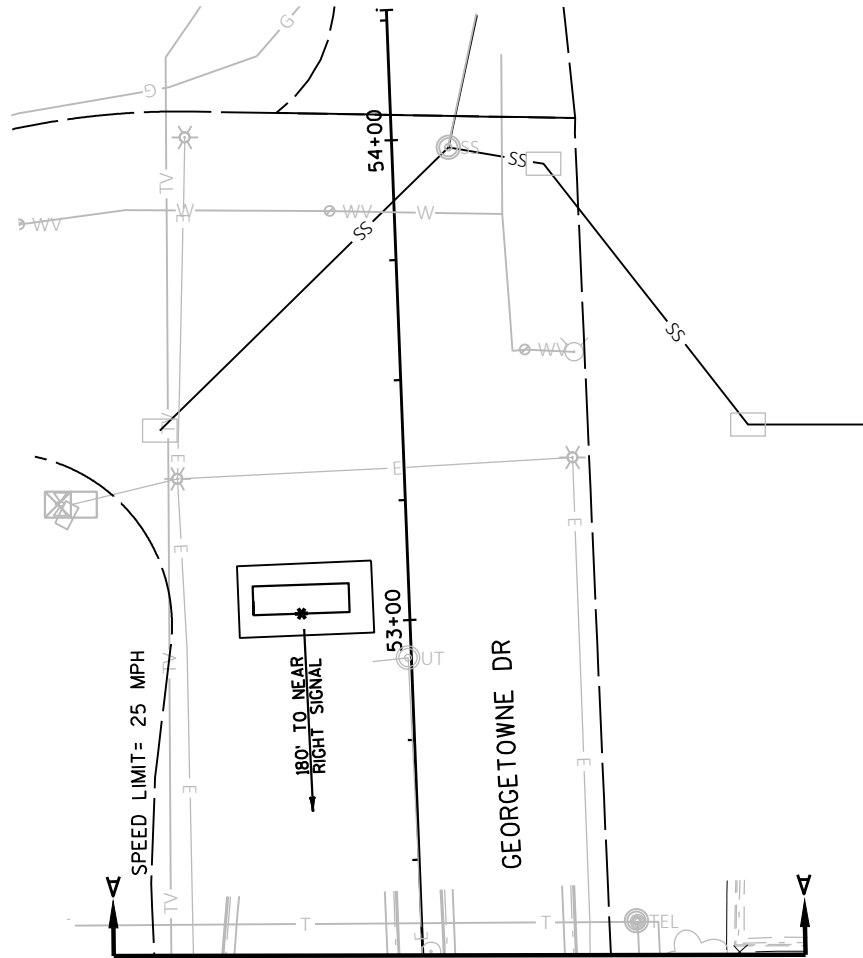
TRAFFIC SIGNAL PLAN

SHEET

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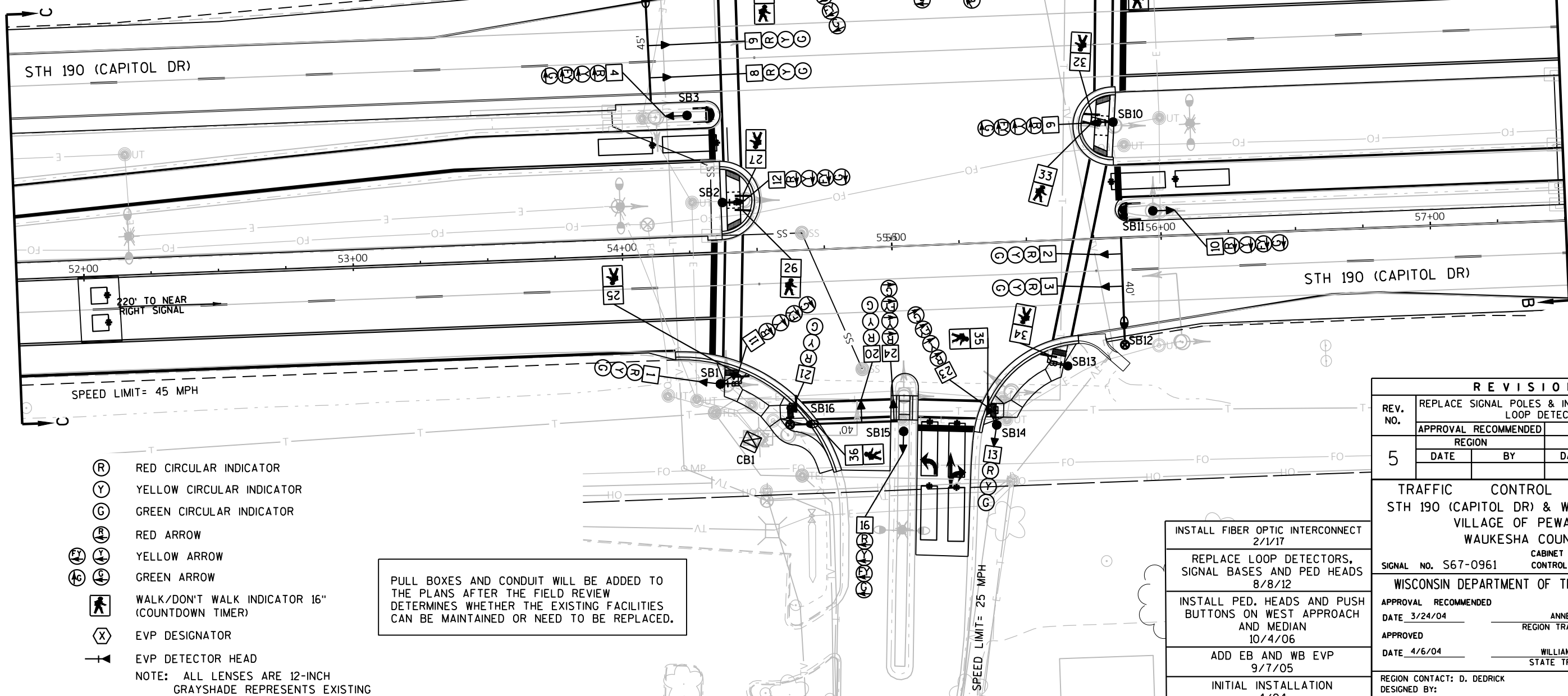
TRAFFIC CONTROL SIGNAL	
STH 190 (CAPITOL DRIVE) & FOREST GROVE DRIVE/GEORGE TOWNE DRIVE VILLAGE OF PEWAUKEE WAUKESHA COUNTY	
SIGNAL NO. S67-0649	
REGION CONTACT: D. DEDRICK DESIGNED BY: REVISED BY: GRAEF	PAGE 2 OF 4



TRAFFIC CONTROL SIGNAL	
STH 190 (CAPITOL DRIVE) & FOREST GROVE DRIVE/GEORGE TOWNE DRIVE VILLAGE OF PEWAUKEE WAUKESHA COUNTY	
SIGNAL NO. S67-0649	
REGION CONTACT: D. DEDRICK DESIGNED BY: REVISED BY: GRAEF	PAGE 3 OF 4

LEGEND

- ☒ CONTROL CABINET
--- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
— LOOP DETECTOR CONDUIT 1" NONMETALLIC
◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
(XX) ⊗ TYPE 10 SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
—●— PEDESTRIAN HEAD WITH PUSH BUTTON
● LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
* □ * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
● PULL BOX, 24" X 36"
⊙ PULL BOX, 24" X 42"
XX SIGNAL HEAD NUMBER
V COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

PROJECT NO:2025-07-03

HWY:STH 190

COUNTY:WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E

FILE NAME : X:\ML\2021\20210030\DESIGN\TRANSPORTATION\SHEETSP\03-S67-0961_E-WESTFIELD 024021.DWG
LAYOUT NAME - 03-S67-0961_E-WESTFIELD 024021 - S67-0961_E-PG1

PLOT DATE : 3/1/2022 10:25 AM

PLOT BY : MOTL, ALEXANDRIA

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42

REVISION

REV. NO.	REPLACE SIGNAL POLES & INSTALL MONOTUBES & LOOP DETECTORS			
	APPROVAL RECOMMENDED		APPROVED	
5	REGION	DATE	CENTRAL OFFICE	DATE
	BY	DATE	BY	DATE

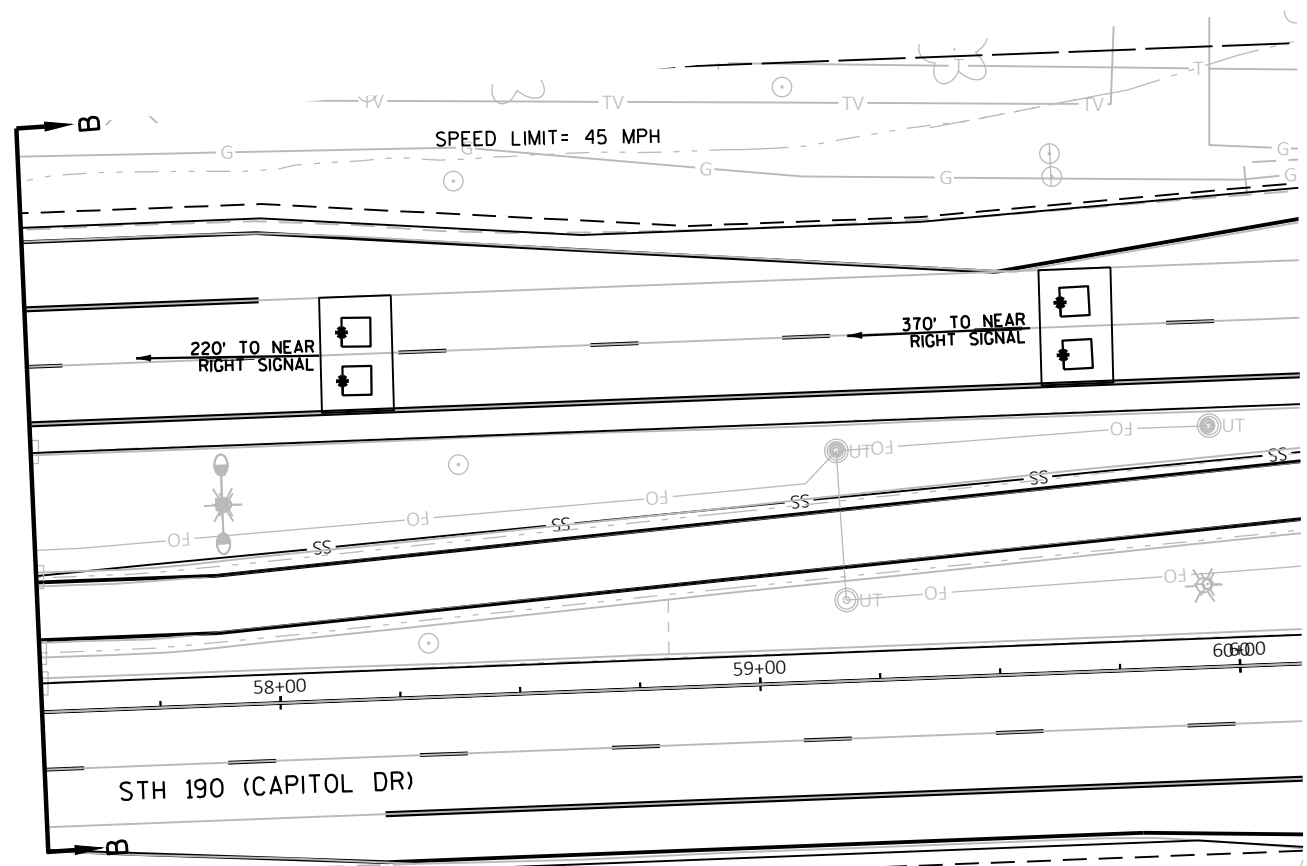
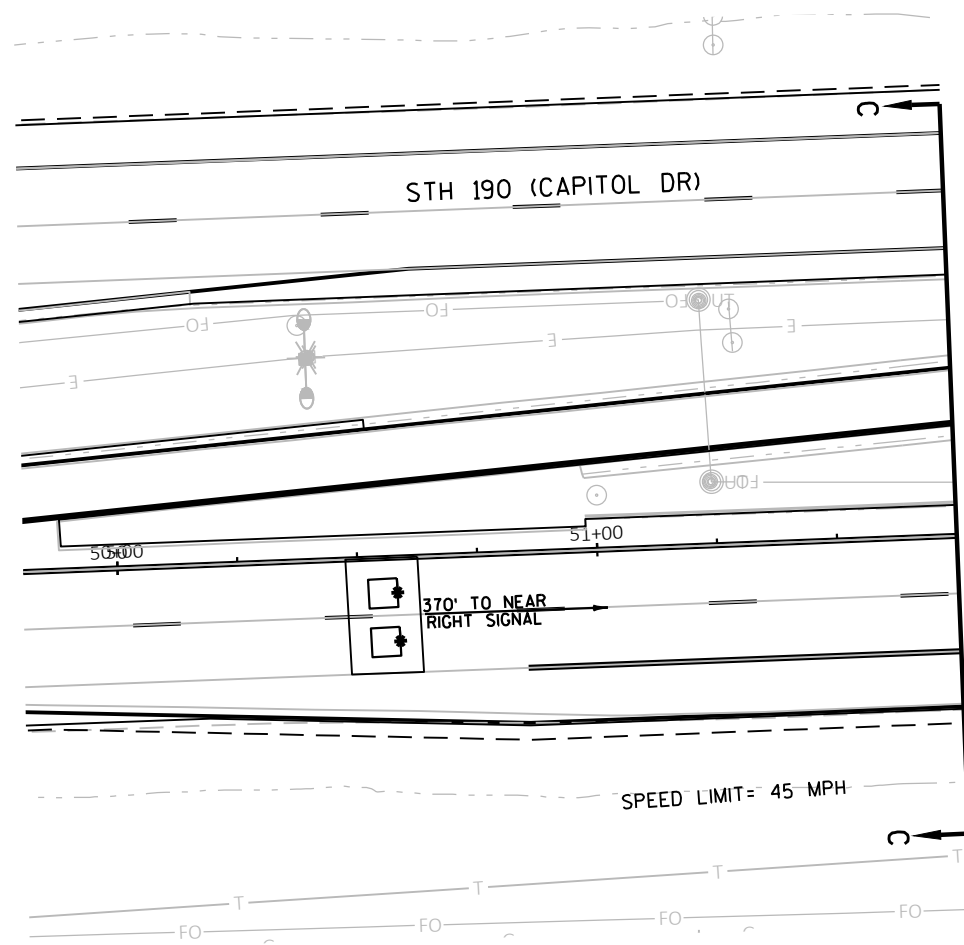
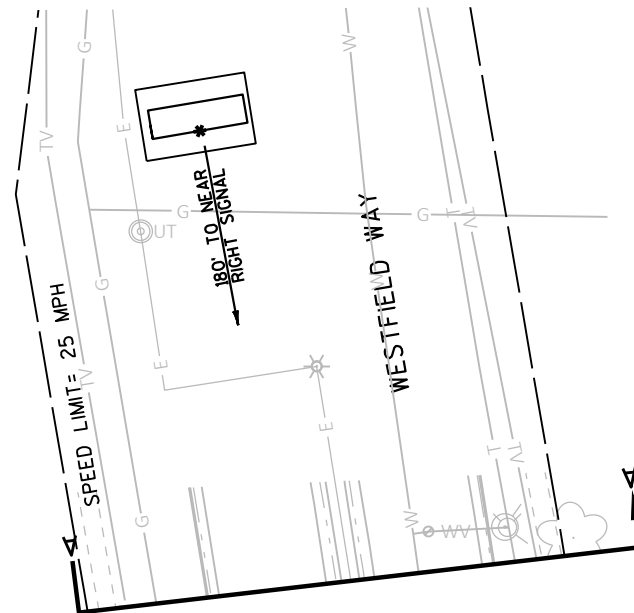
TRAFFIC CONTROL SIGNAL
STH 190 (CAPITOL DR) & WESTFIELD WAY
VILLAGE OF PEWAUKEE
WAUKESHA COUNTY

SIGNAL NO. S67-0961
CABINET TYPE: TS2
CONTROLLER TYPE: EPAC

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 3/24/04
APPROVED
DATE 4/6/04
REGION CONTACT: D. DEDRICK
DESIGNED BY: GRAEF
ANNE RESHADI
REGION TRAFFIC ENGINEER
WILLIAM C. GILDING
STATE TRAFFIC ENGINEER

PAGE 1 OF 3



TRAFFIC CONTROL SIGNAL STH 190 (CAPITOL DR) & WESTFIELD WAY VILLAGE OF PEWAUKEE WAUKESHA COUNTY	
SIGNAL NO. S67-0961	
REGION CONTACT: D. DEDRICK DESIGNED BY: REVISED BY: GRAEF	PAGE 2 OF 3

LEGEND

- ☒ CONTROL CABINET
- — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- - - NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) ⊗ TYPE 10 SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- ◀● PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * □ * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊖ PULL BOX, 24" X 42"

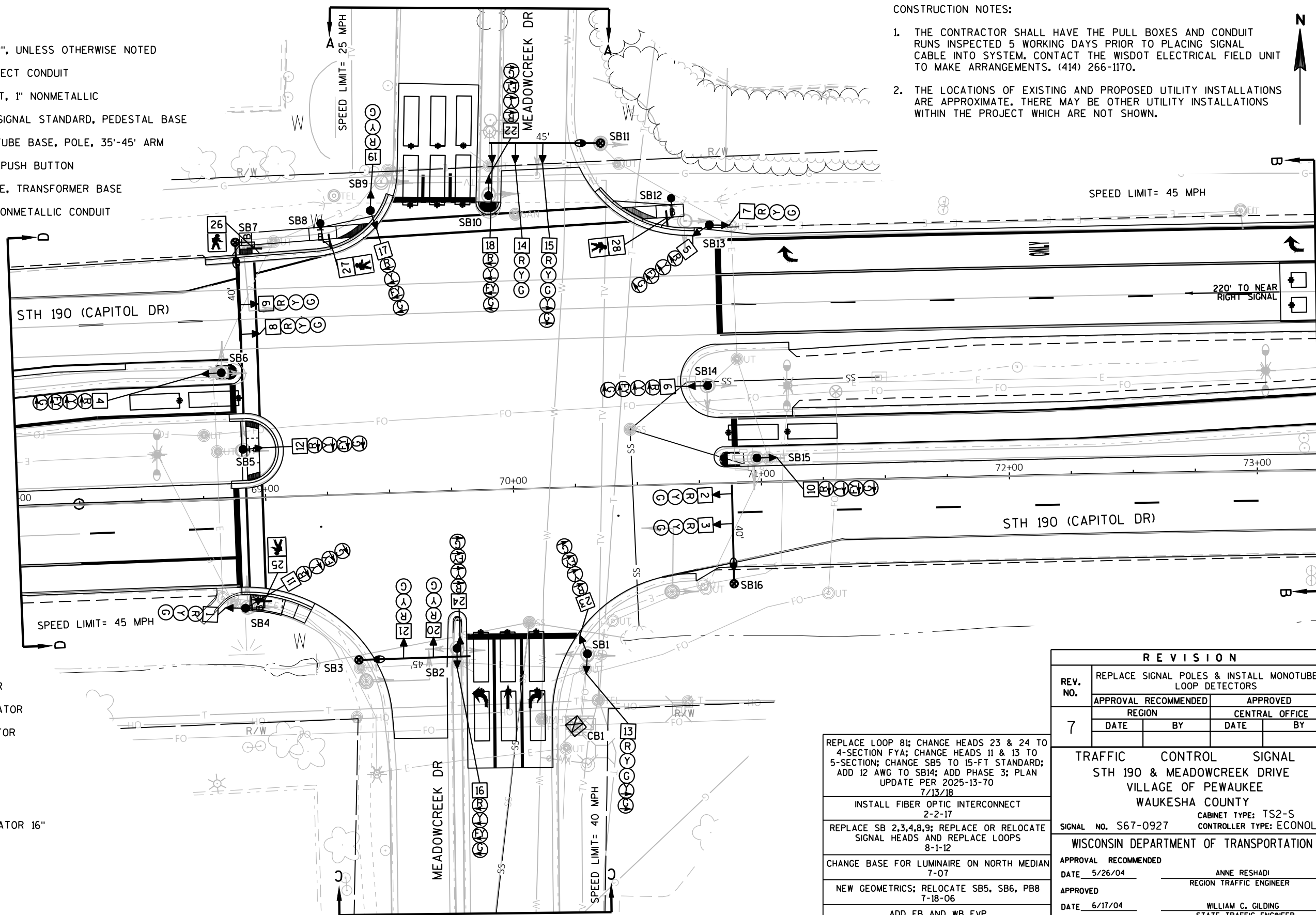
PULL BOXES AND CONDUIT WILL BE ADDED TO THE PLANS AFTER THE FIELD REVIEW DETERMINES WHETHER THE EXISTING FACILITIES CAN BE MAINTAINED OR NEED TO BE REPLACED.

- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- ➔ RED ARROW
- ➔ YELLOW ARROW
- ➔ GREEN ARROW
- ➔ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- ⊗ EVP DESIGNATOR
- ➔ EVP DETECTOR HEAD
- COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

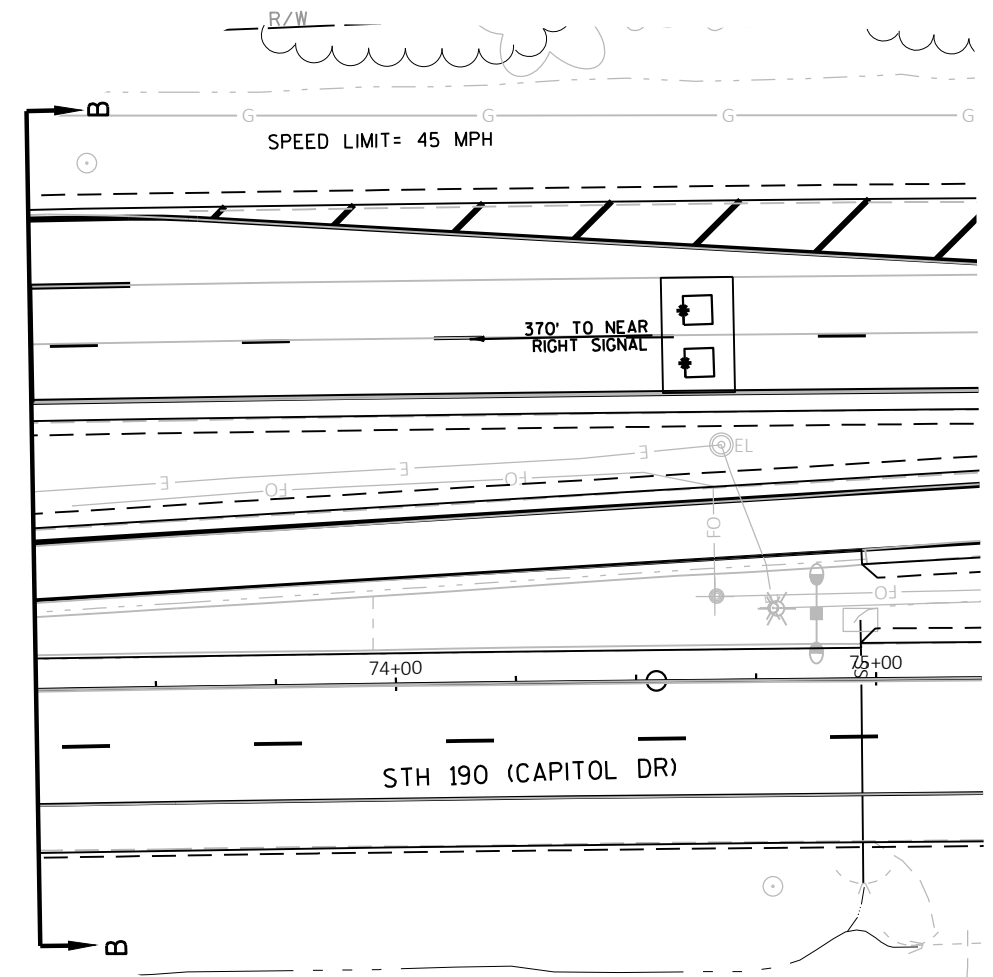
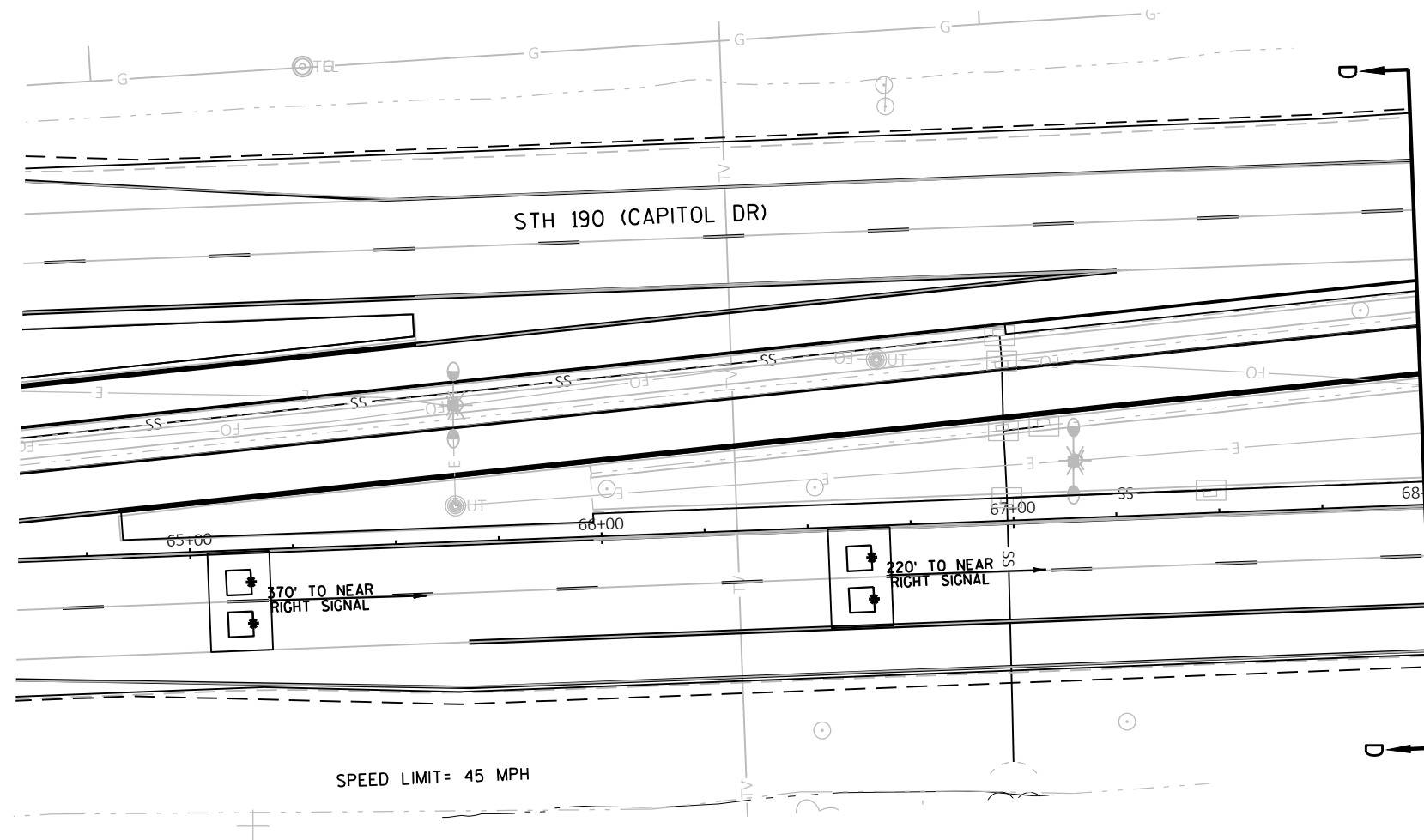
CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



REPLACE LOOP 8; CHANGE HEADS 23 & 24 TO 4-SECTION FYA; CHANGE HEADS 11 & 13 TO 5-SECTION; CHANGE SB5 TO 15-FT STANDARD; ADD 12 AWG TO SB14; ADD PHASE 3; PLAN UPDATE PER 2025-13-70 7/13/18	
INSTALL FIBER OPTIC INTERCONNECT 2-2-17	
REPLACE SB 2,3,4,8,9; REPLACE OR RELOCATE SIGNAL HEADS AND REPLACE LOOPS 8-1-12	
CHANGE BASE FOR LUMINAIRE ON NORTH MEDIAN 7-07	
NEW GEOMETRICS; RELOCATE SB5, SB6, PB8 7-18-06	
ADD EB AND WB EVP 9-05	
INITIAL INSTALL 6-04	

REVISION			
REV. NO.	REPLACE SIGNAL POLES & INSTALL MONOTUBES & LOOP DETECTORS		
	APPROVAL RECOMMENDED		APPROVED
7	REGION	CENTRAL OFFICE	
	DATE	BY	DATE BY
TRAFFIC CONTROL SIGNAL STH 190 & MEADOWCREEK DRIVE VILLAGE OF PEWAUKEE WAUKESHA COUNTY CABINET TYPE: TS2-S SIGNAL NO. S67-0927 CONTROLLER TYPE: ECONOLITE			
WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVAL RECOMMENDED		ANNE RESHADI REGION TRAFFIC ENGINEER	
DATE 5/26/04		WILLIAM C. GILDING STATE TRAFFIC ENGINEER	
APPROVED		DATE 6/17/04	
REGION CONTACT: D. BRANTNER		PAGE 1 OF 4	
DESIGNED BY:		REVISED BY: GRAEF	



TRAFFIC CONTROL SIGNAL
STH 190 & MEADOWCREEK DRIVE
VILLAGE OF PEWAUKEE
WAUKESHA COUNTY

SIGNAL NO. S67-0927

REGION CONTACT: D. BRANTNER
DESIGNED BY:
REVISED BY: GRAEF

PAGE 2 OF 4

PROJECT NO: 2025-07-03

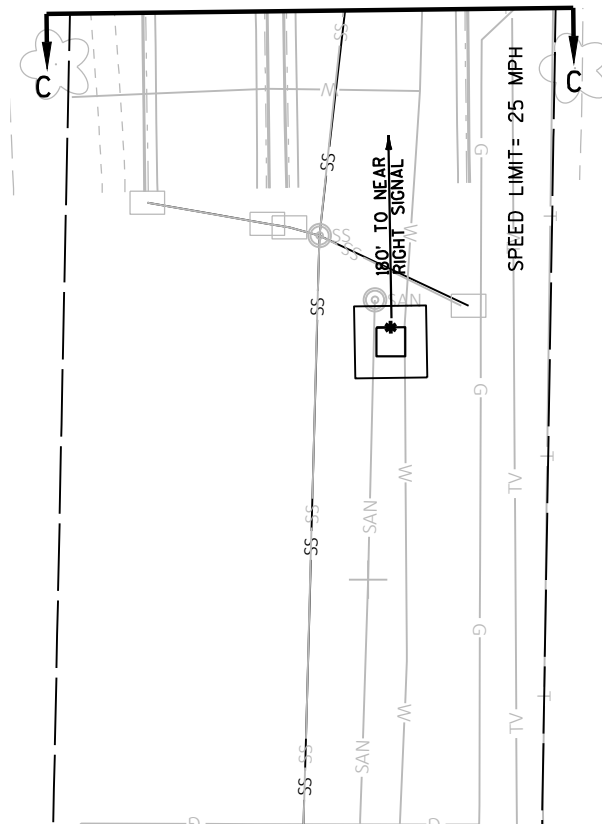
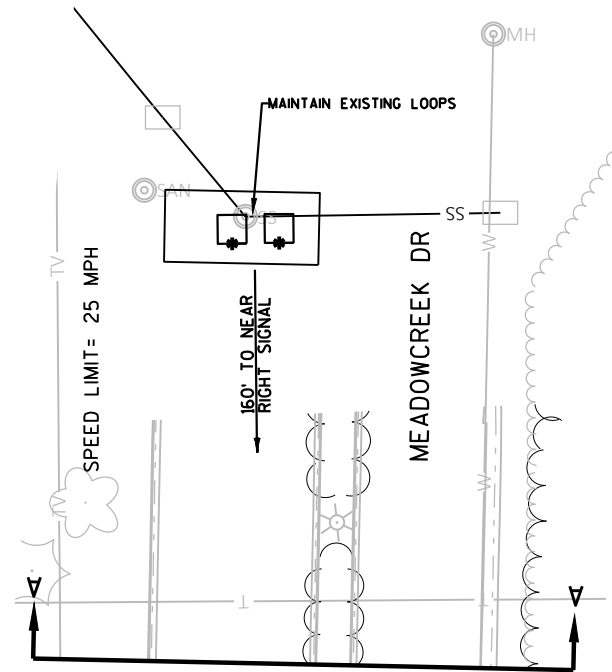
HWY: STH 190

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E



TRAFFIC CONTROL SIGNAL STH 190 & MEADOWCREEK DRIVE VILLAGE OF PEWAUKEE WAUKESHA COUNTY		
SIGNAL NO. S67-0927		
REGION CONTACT: D. BRANTNER DESIGNED BY: REVISED BY: GRAEF		PAGE 3 OF 4

PROJECT NO: 2025-07-03

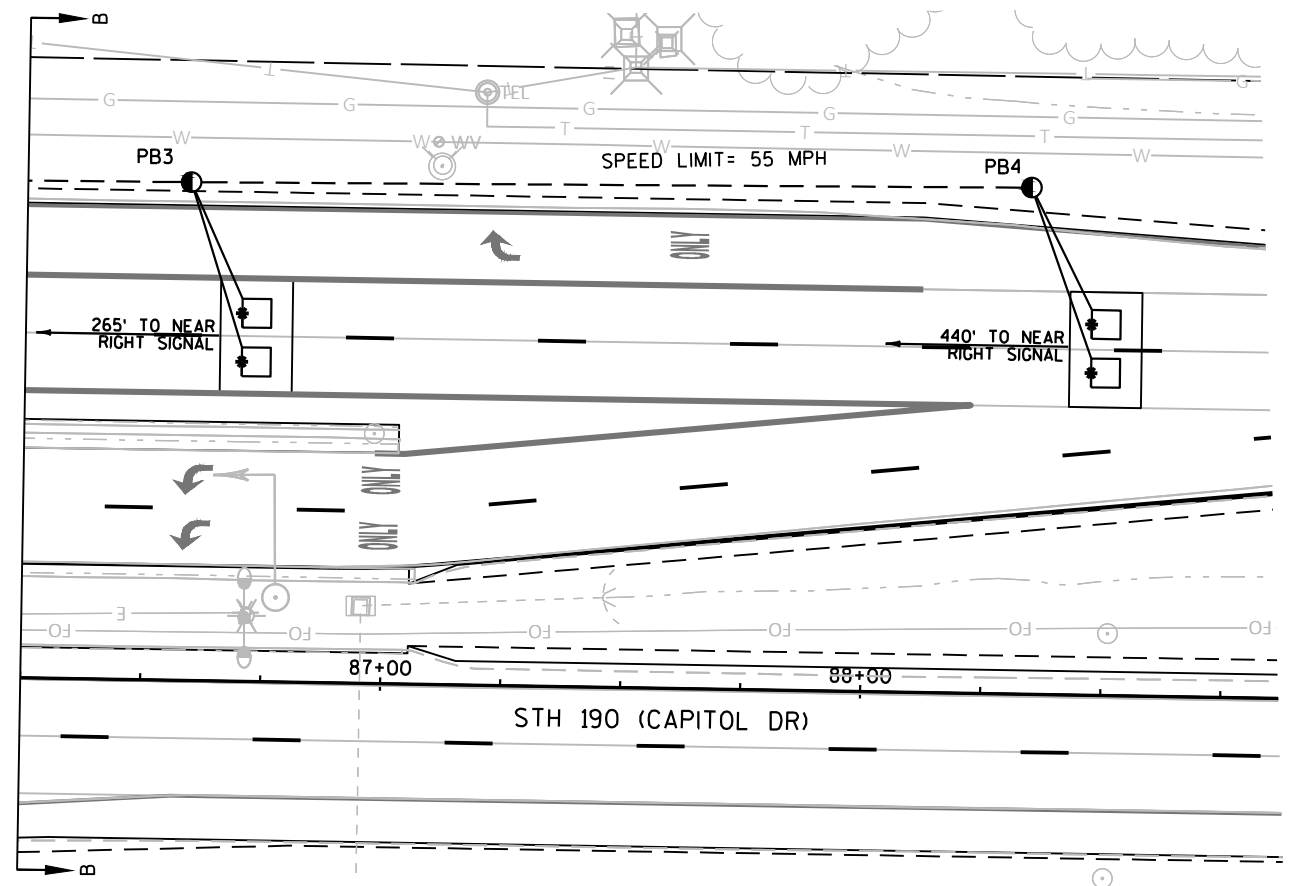
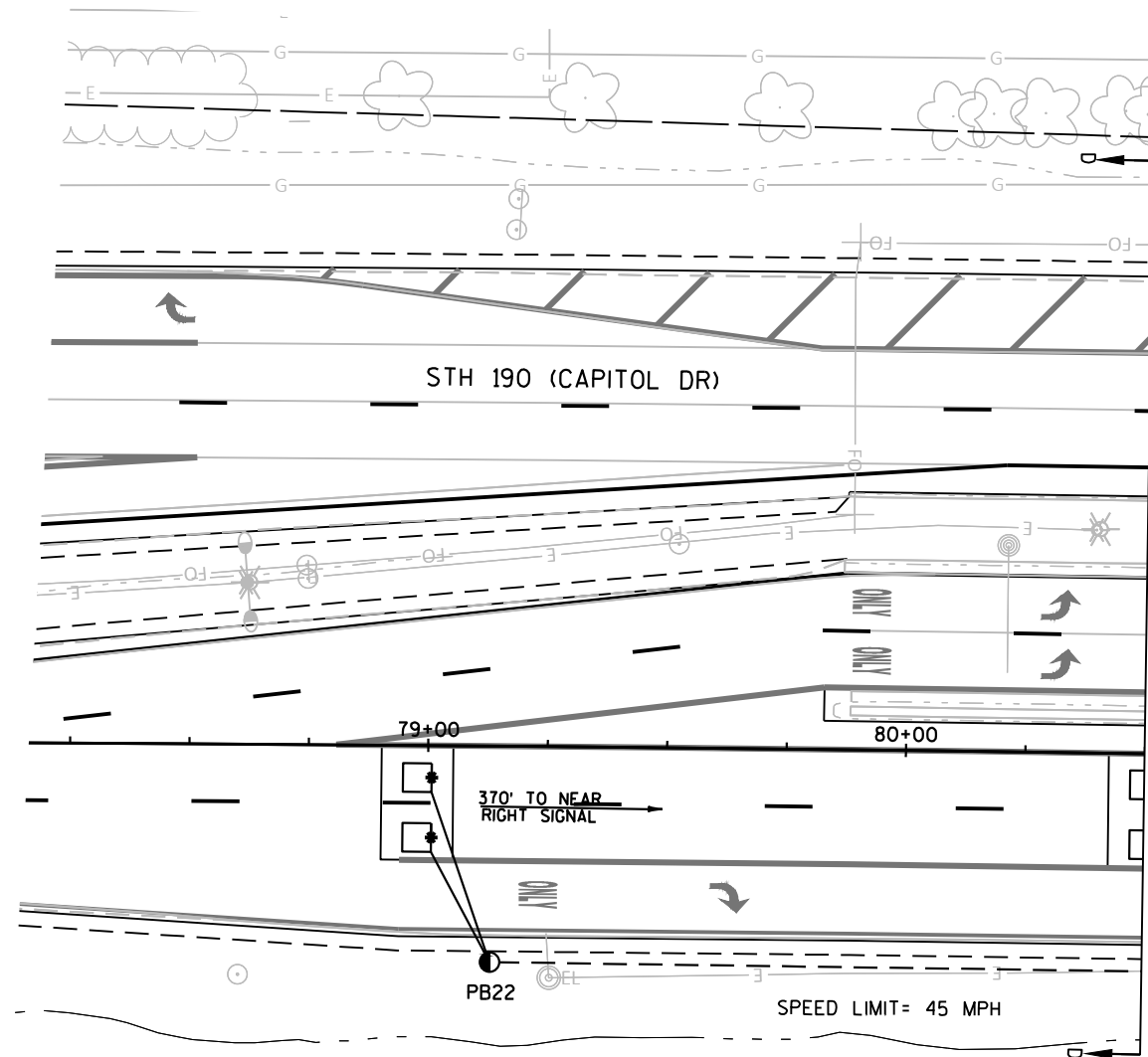
HWY: STH 190

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E

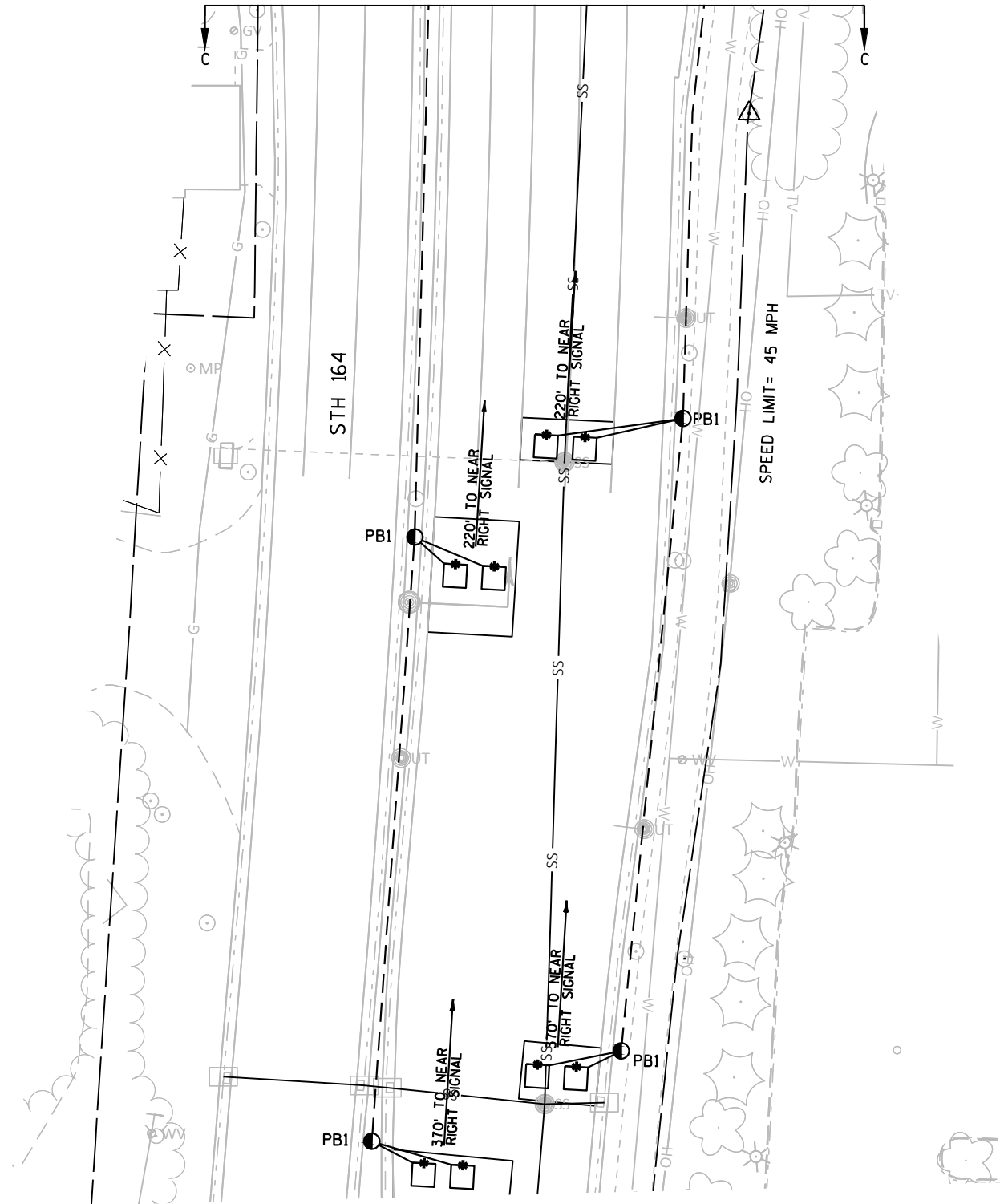
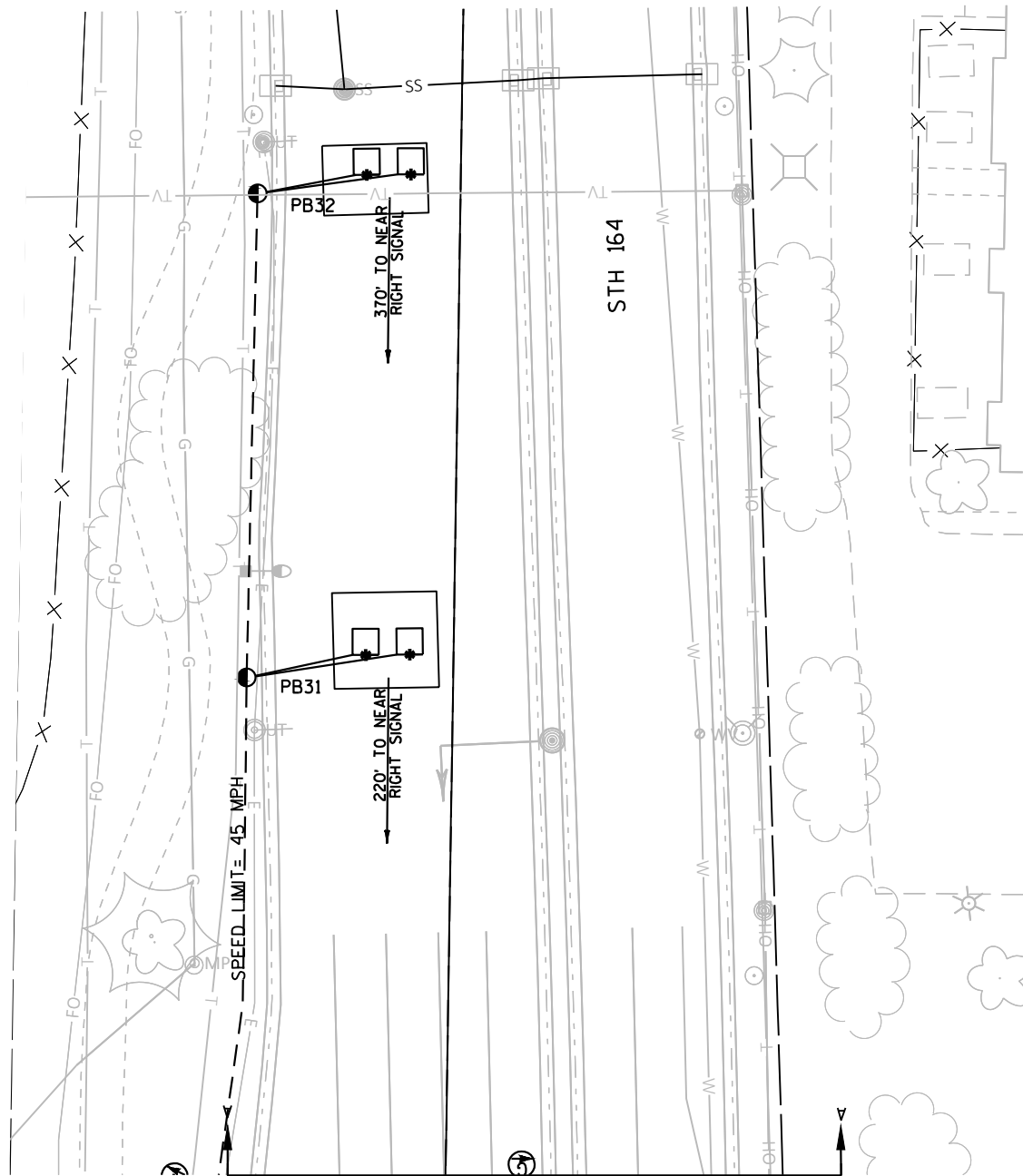


TRAFFIC CONTROL SIGNAL
STH 164 & STH 190
VILLAGE OF PEWAUKEE
WAUKESHA COUNTY

SIGNAL NO. S67-0339

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: GRAEF

PAGE 2 OF 4

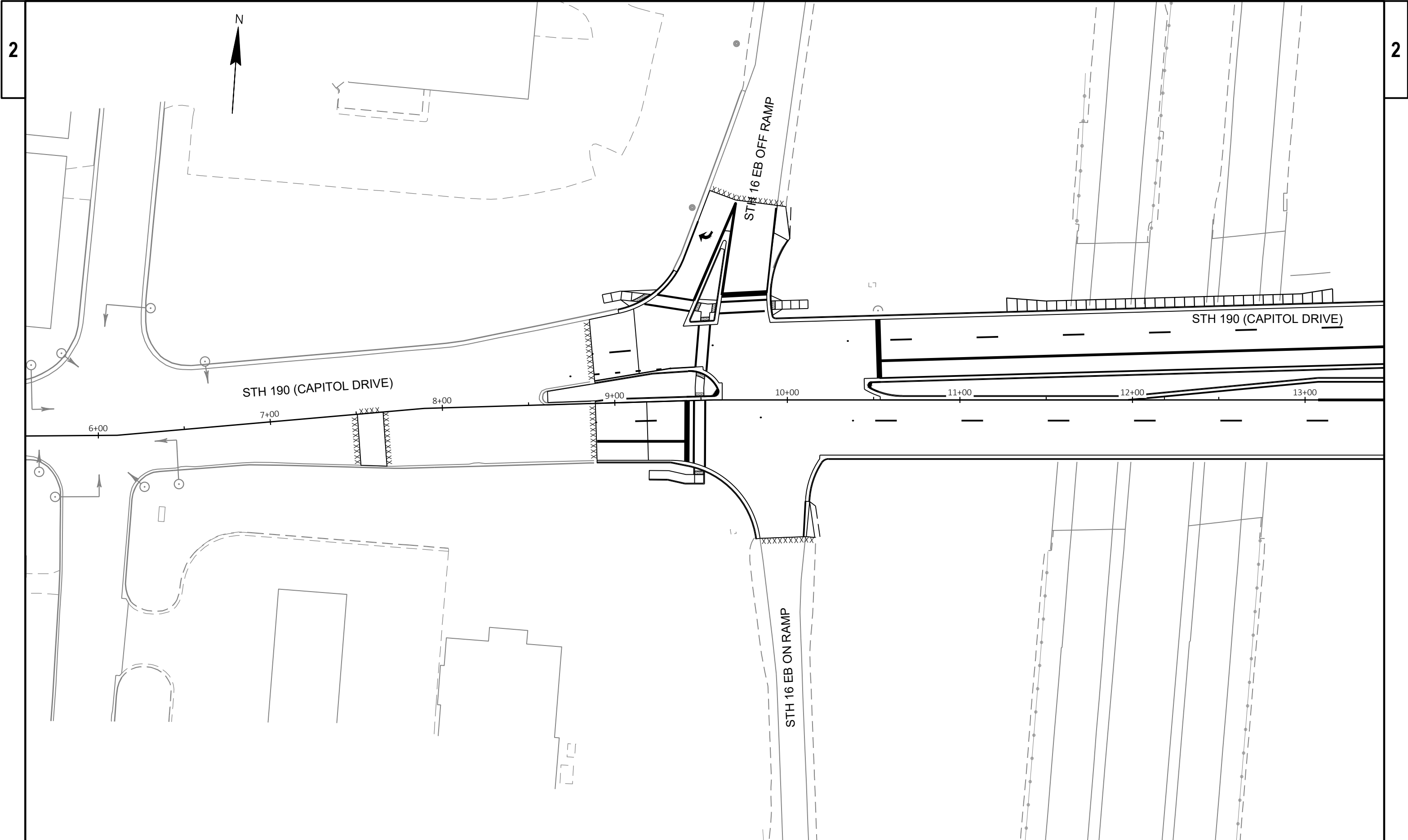


TRAFFIC CONTROL SIGNAL
STH 164 & STH 190
VILLAGE OF PEWAUKEE
WAUKESHA COUNTY

SIGNAL NO. S67-0339

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: GRAEF

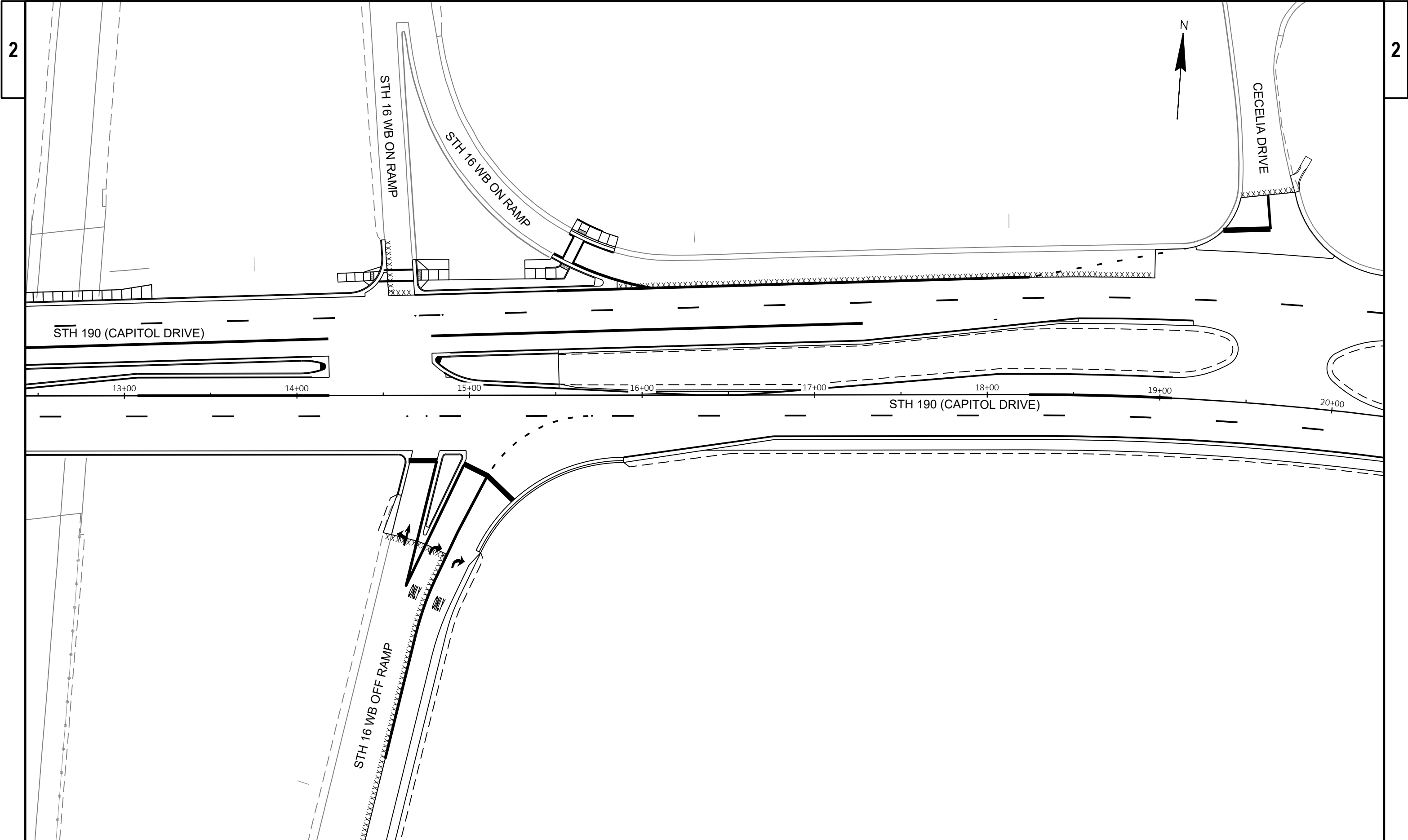
PAGE 3 OF 4



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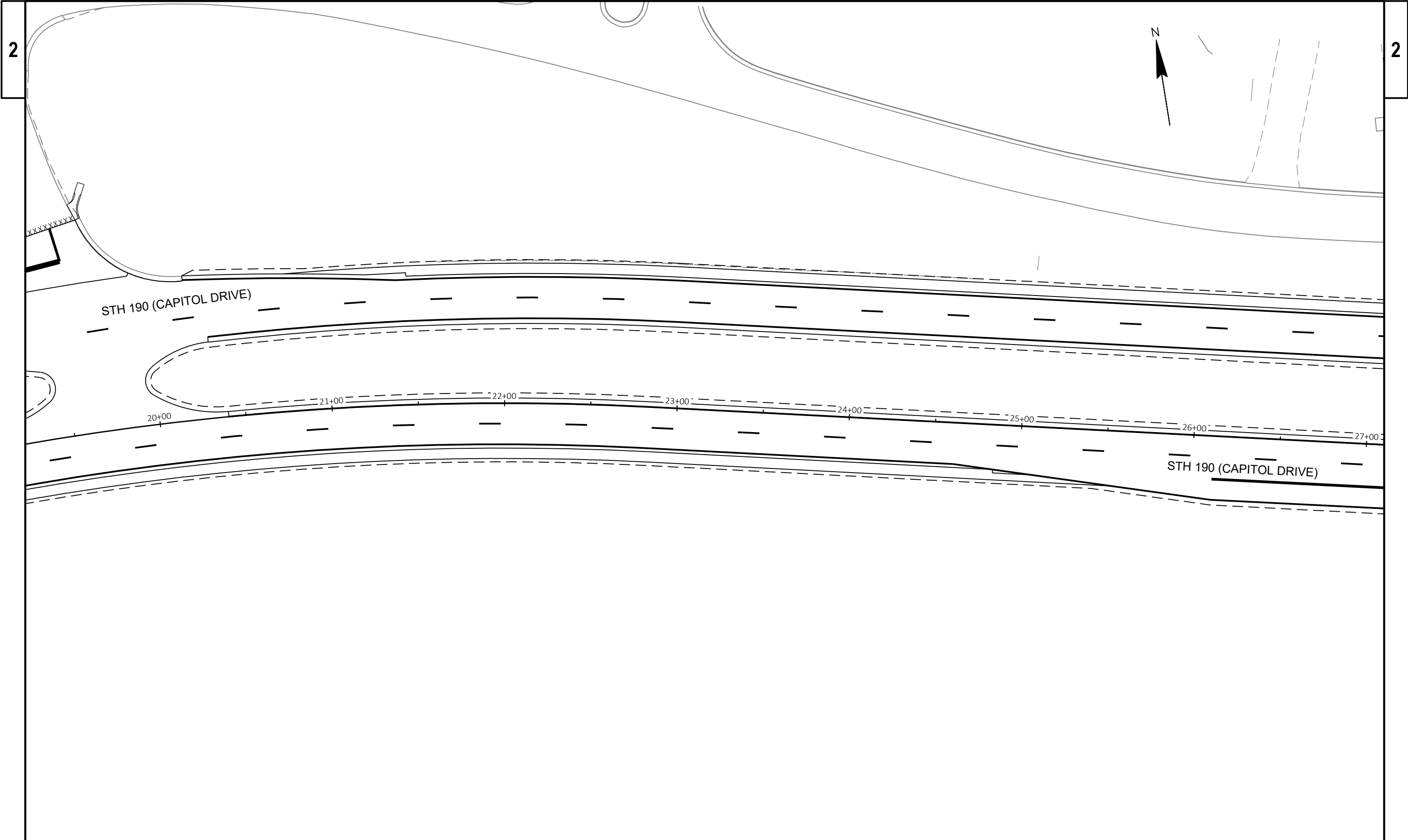
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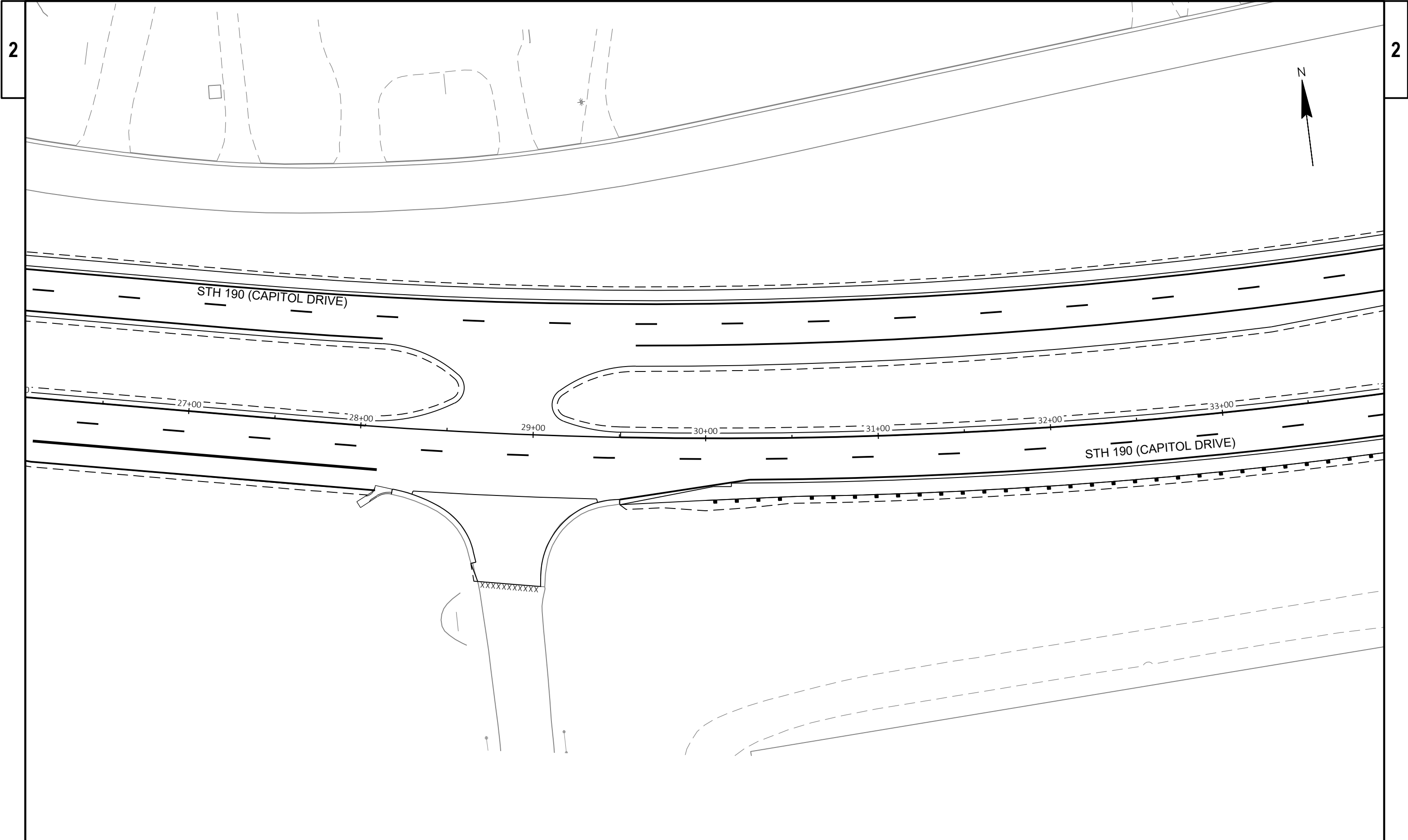
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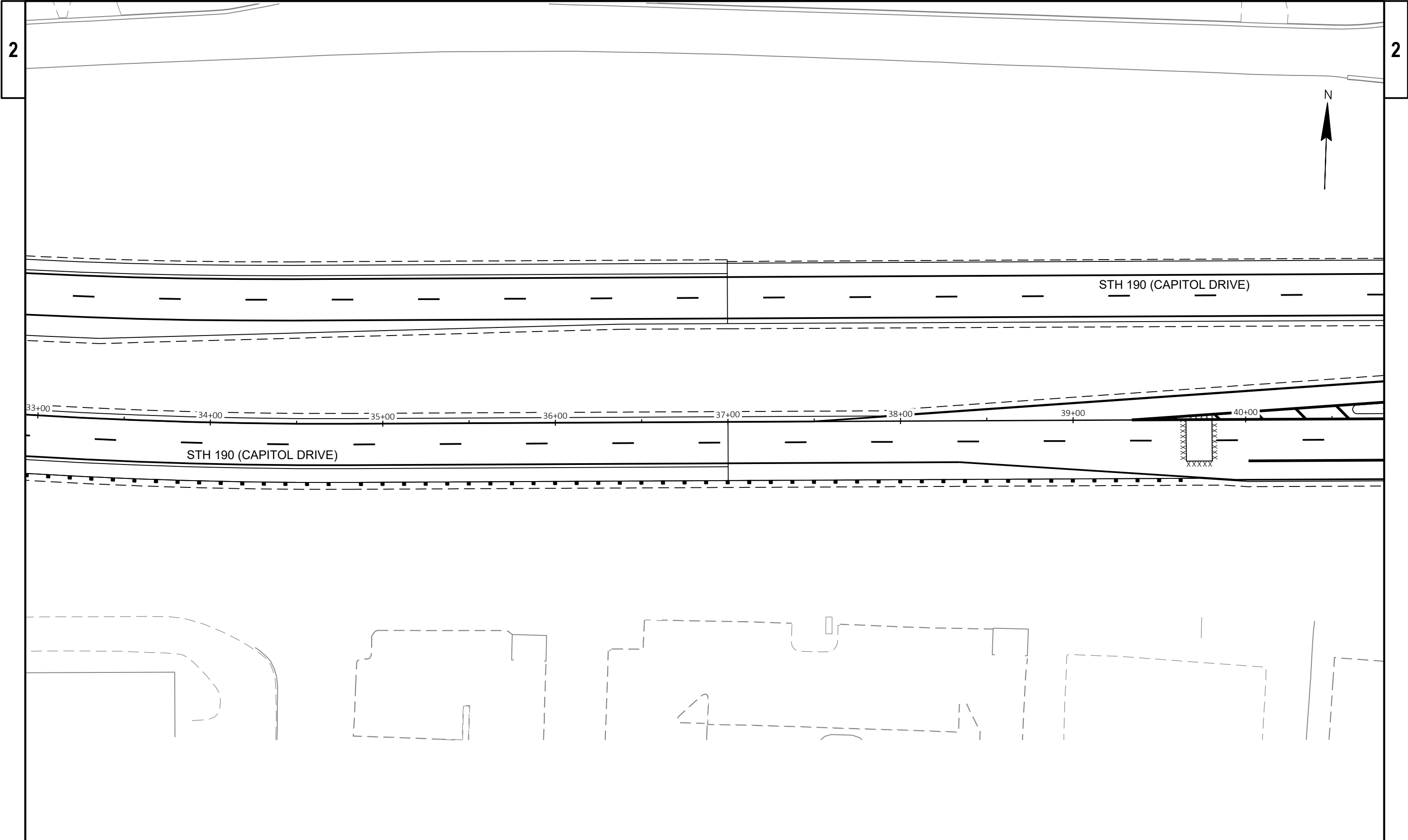
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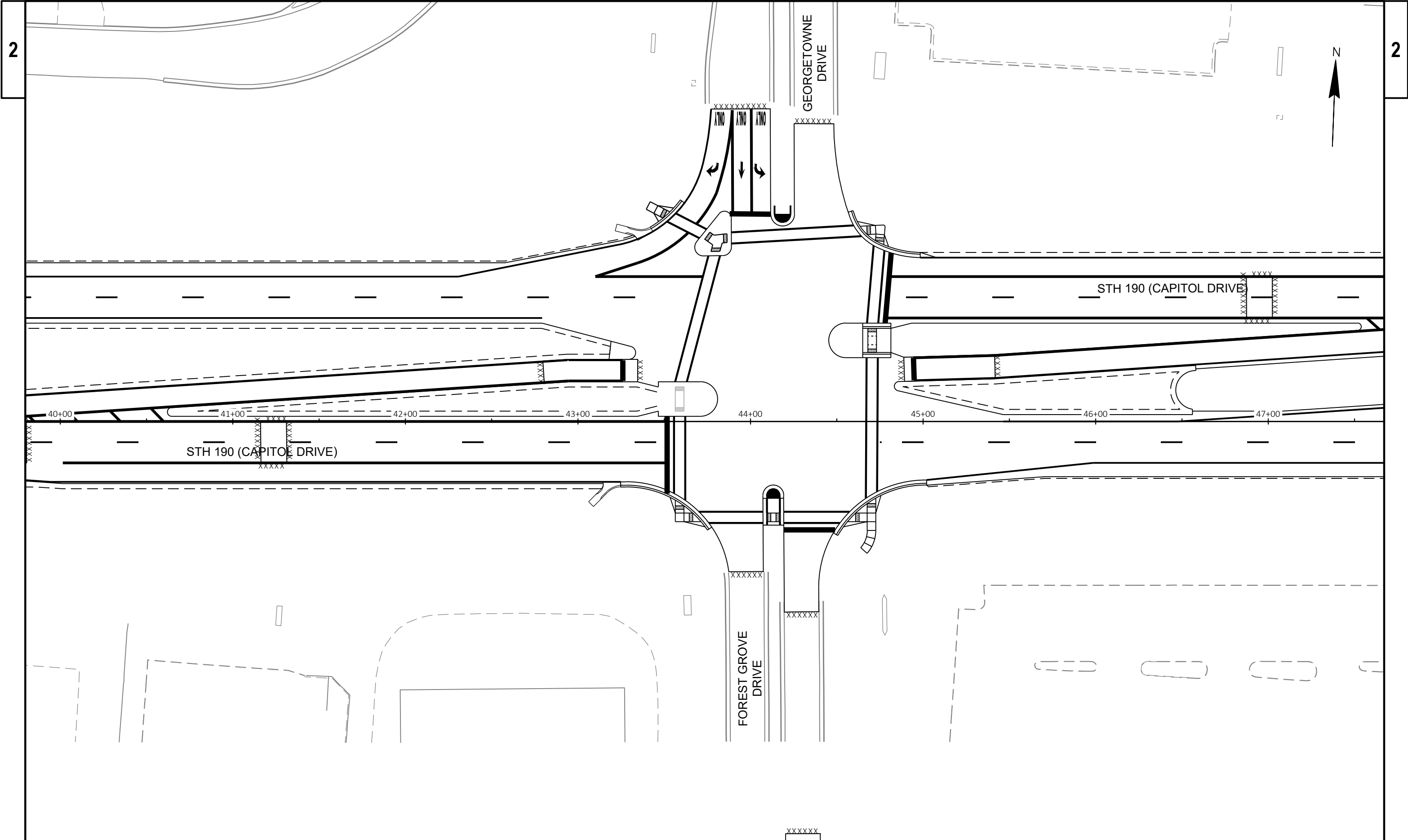
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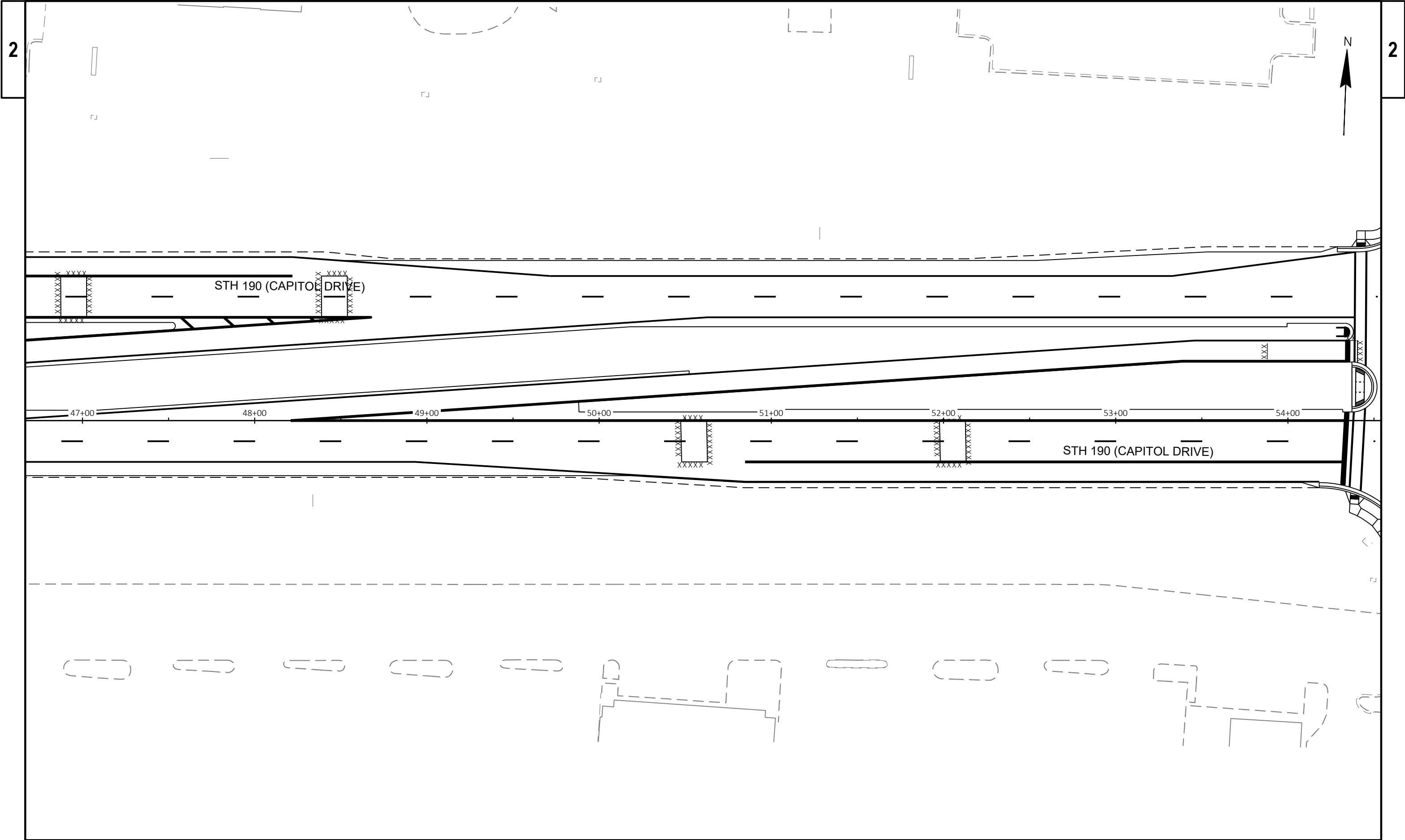
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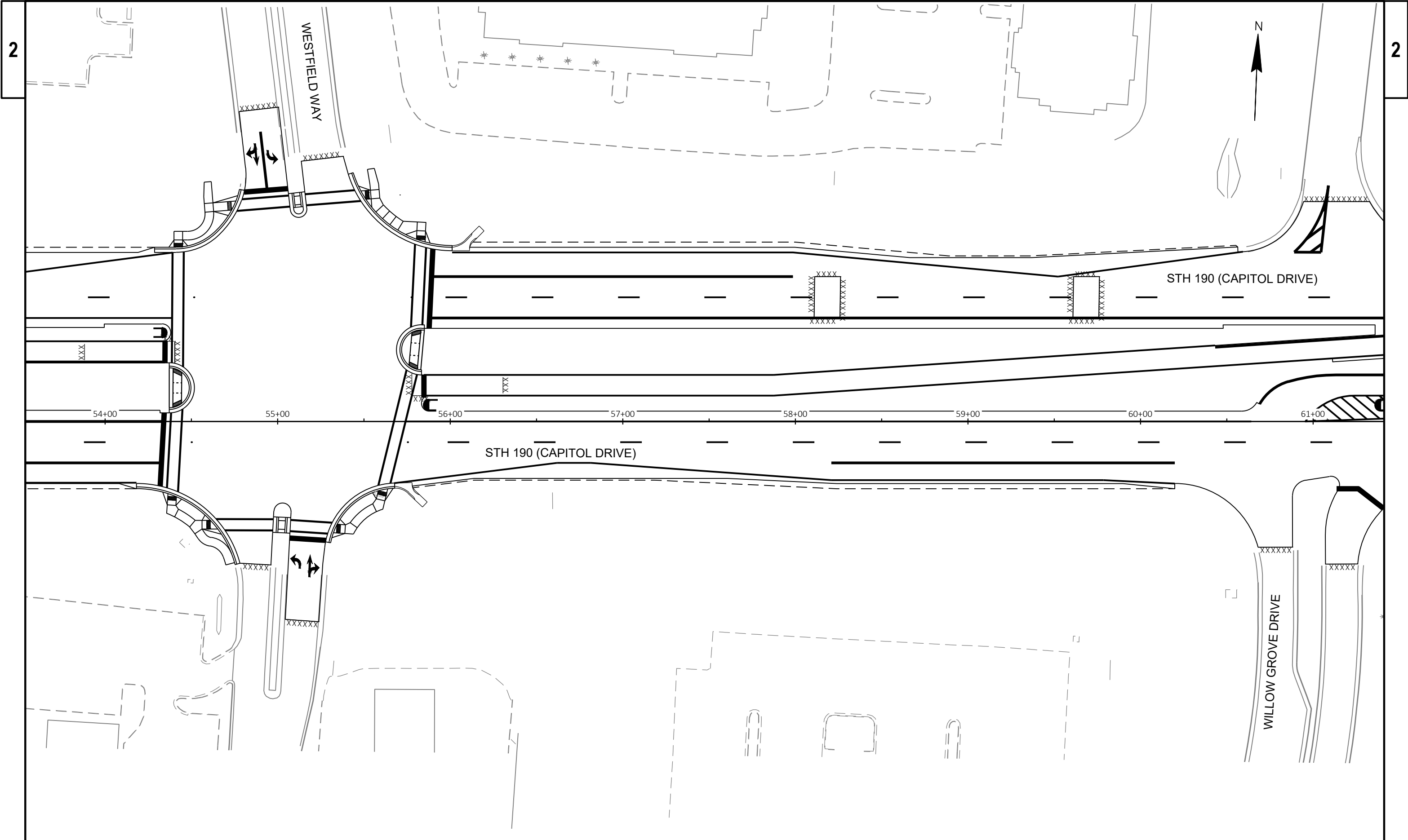
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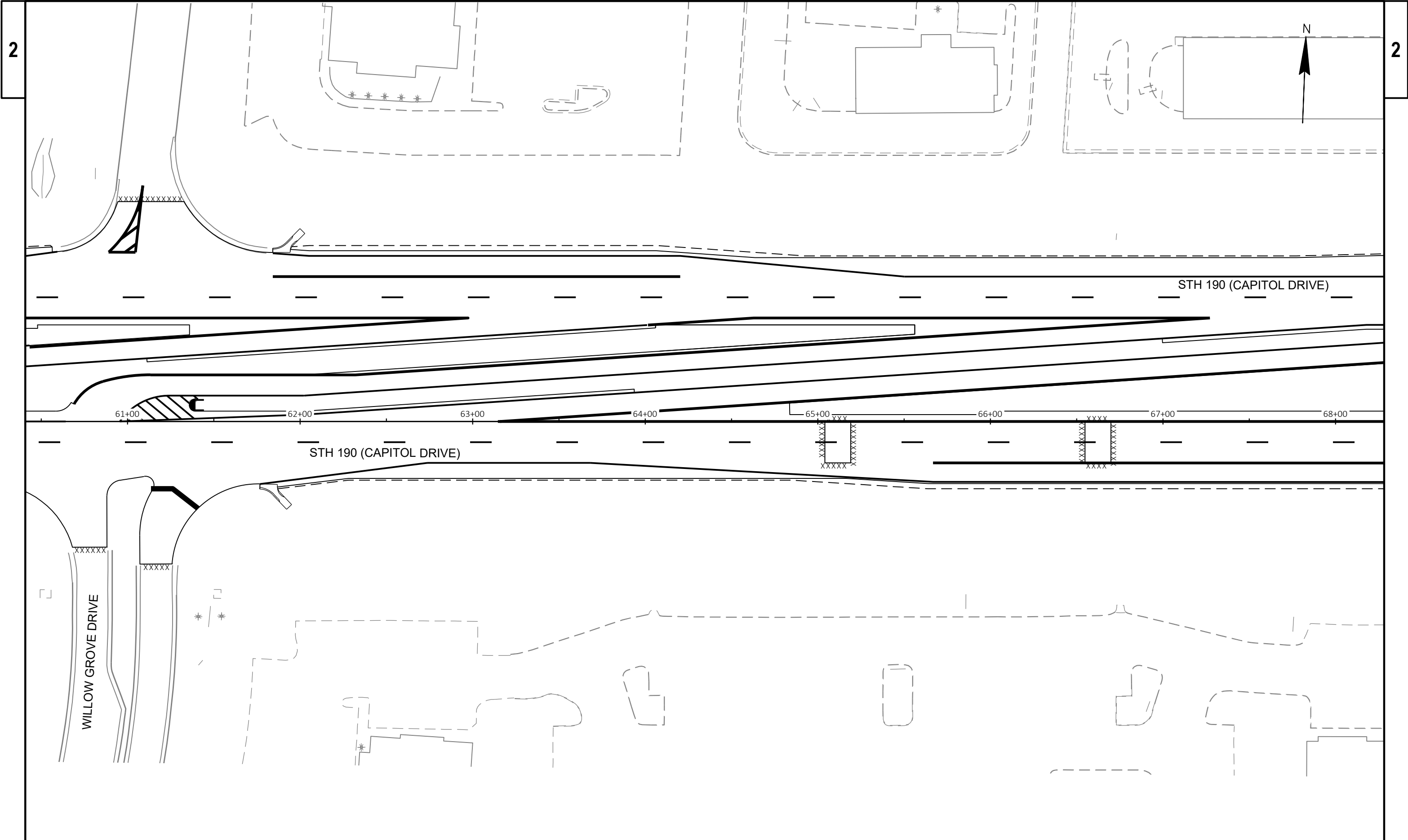
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	PAVEMENT MARKING PLAN	SHEET	E
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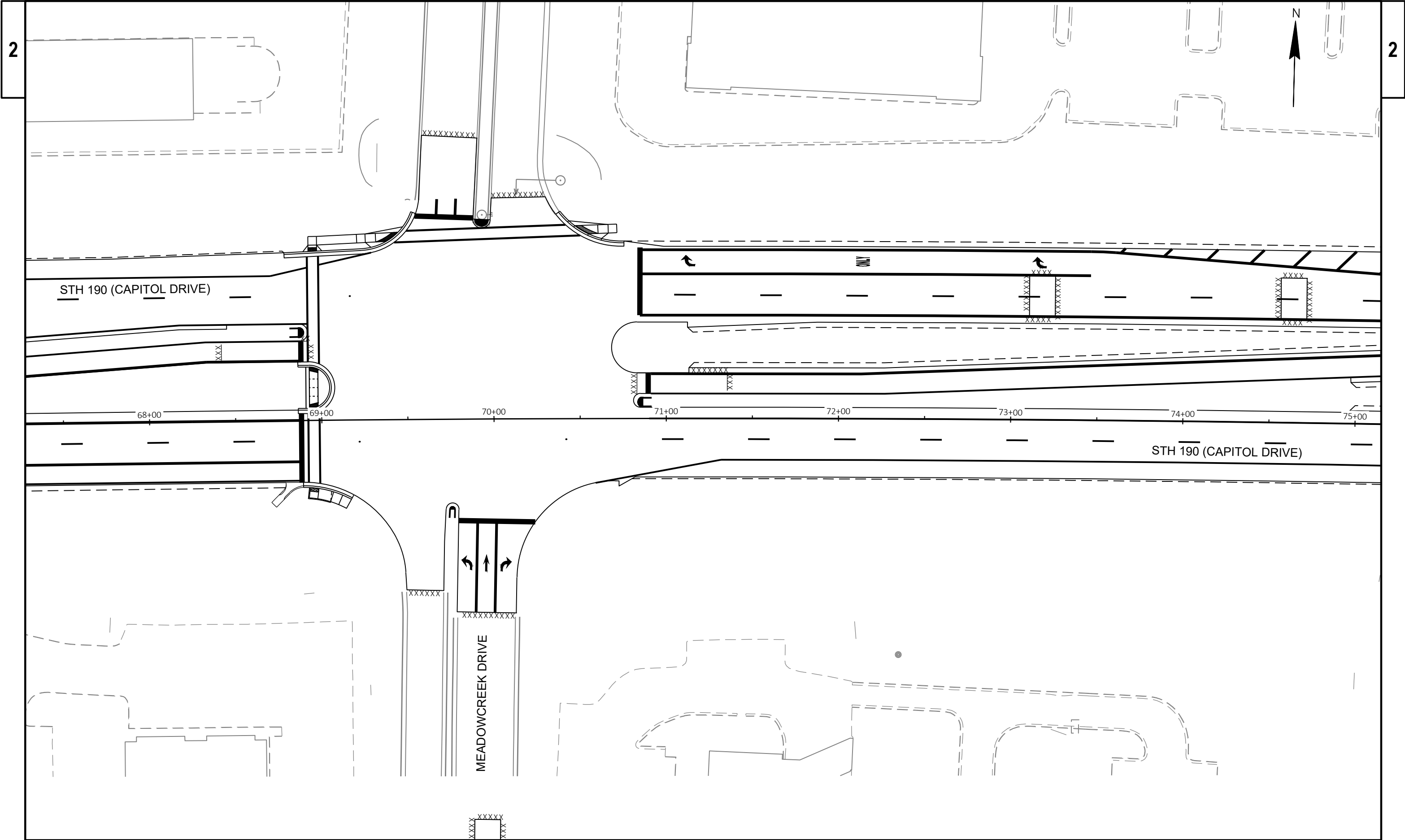
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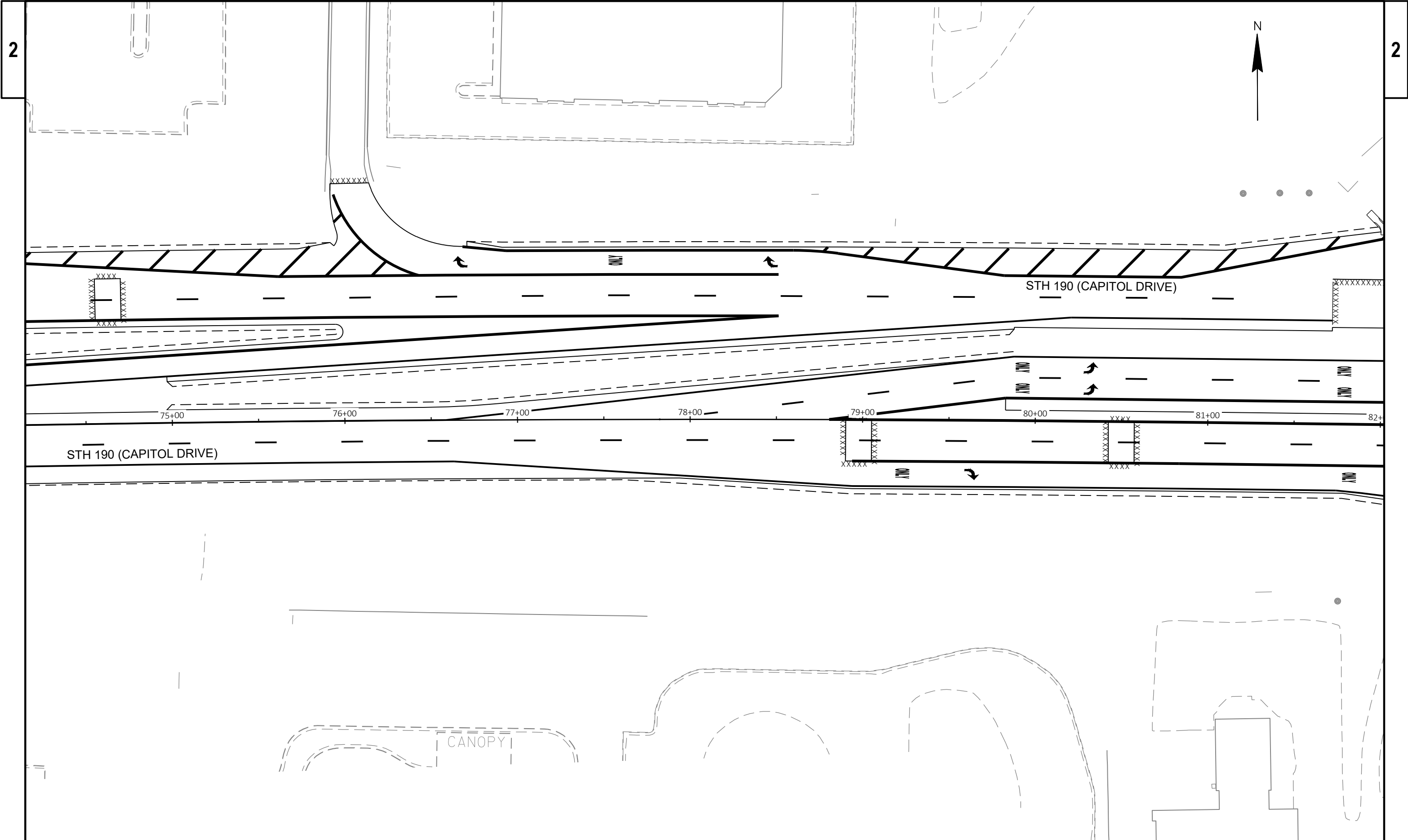


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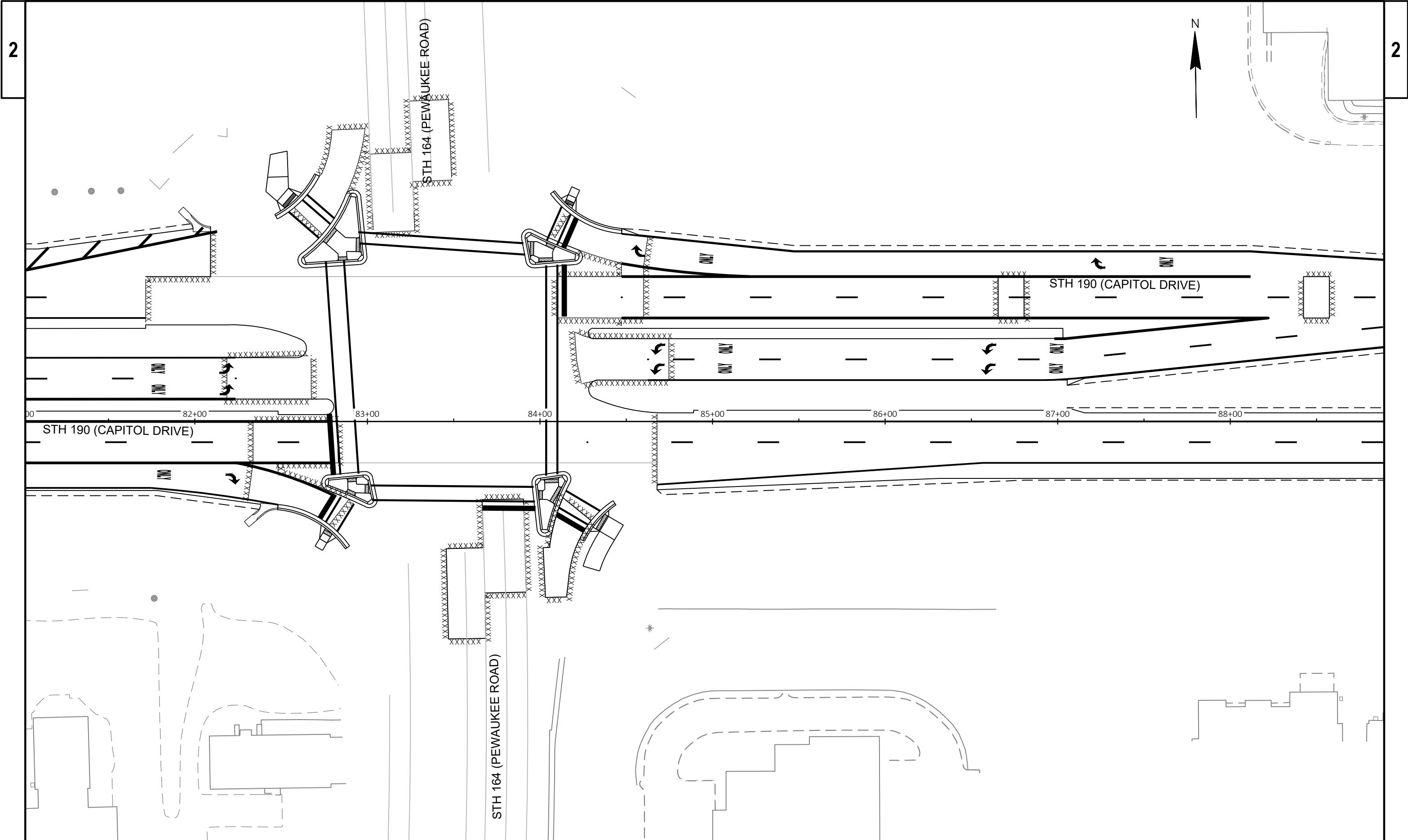
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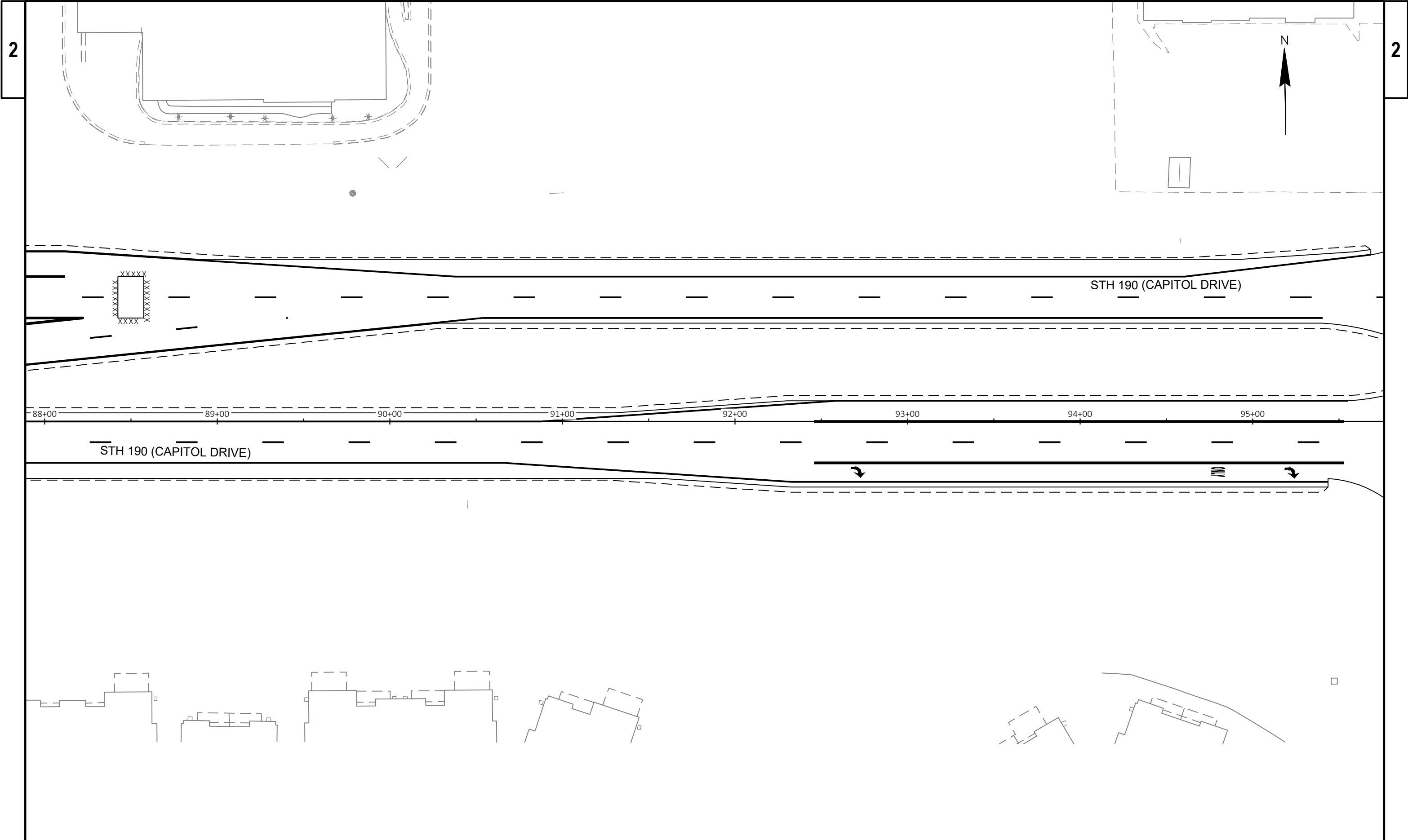
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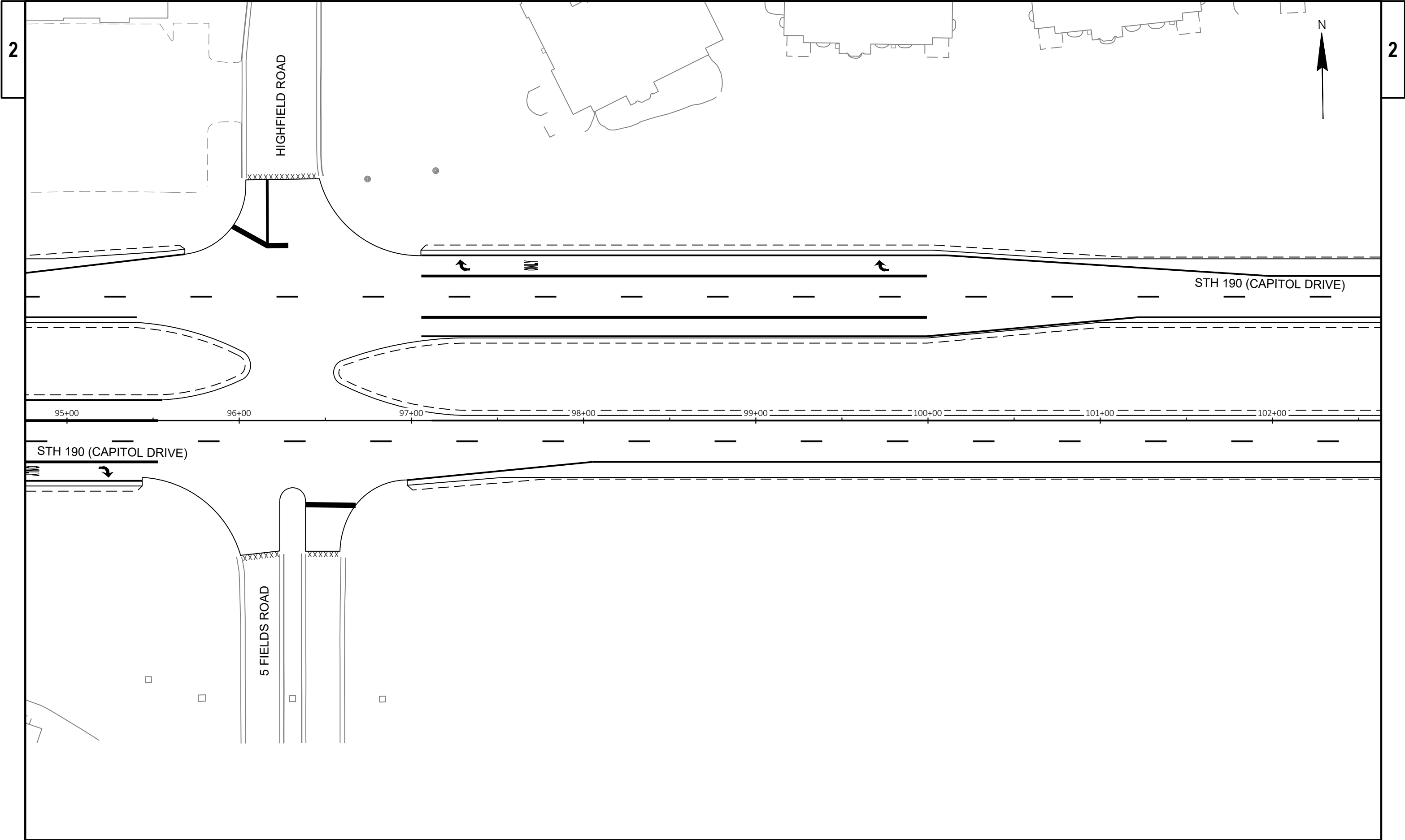
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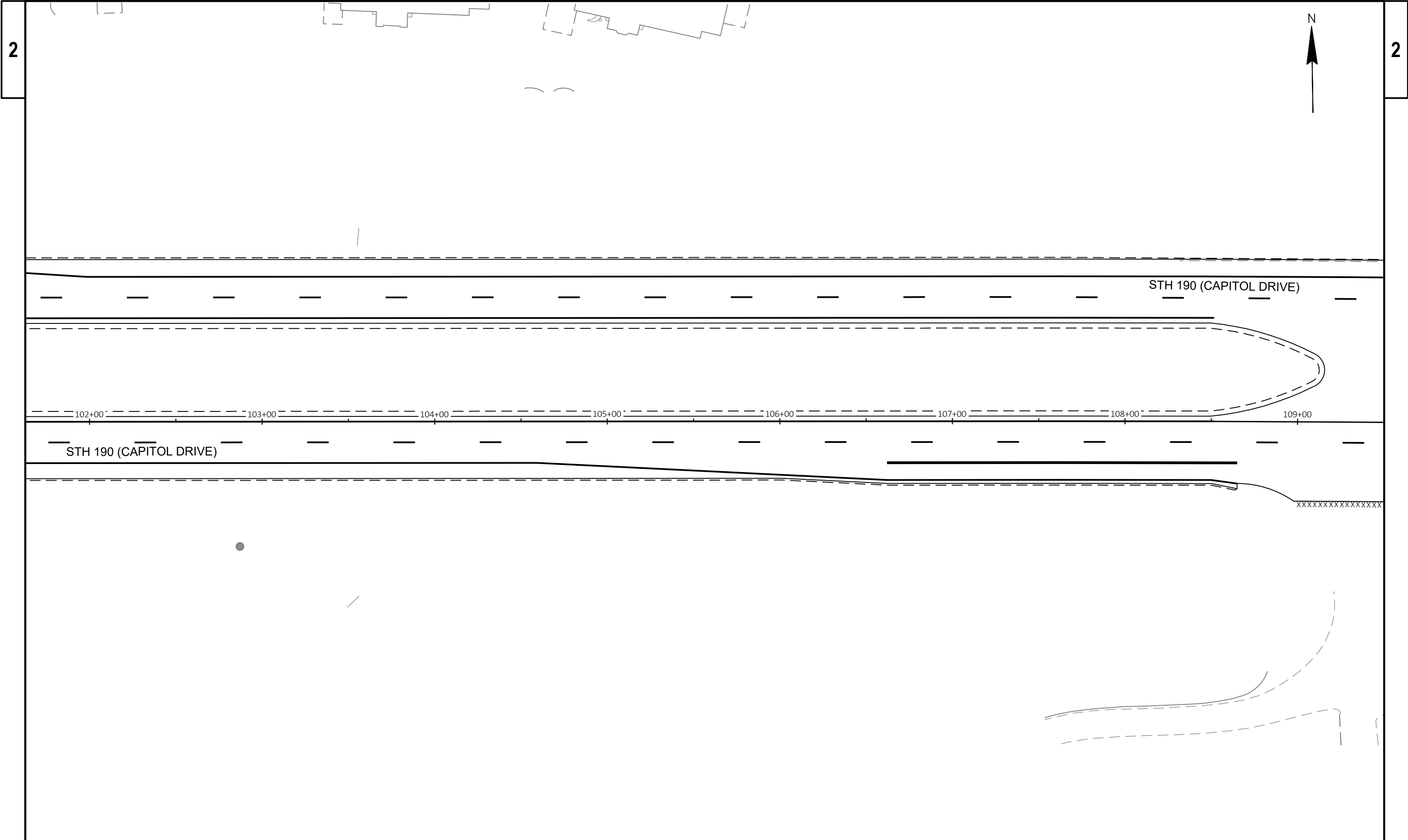
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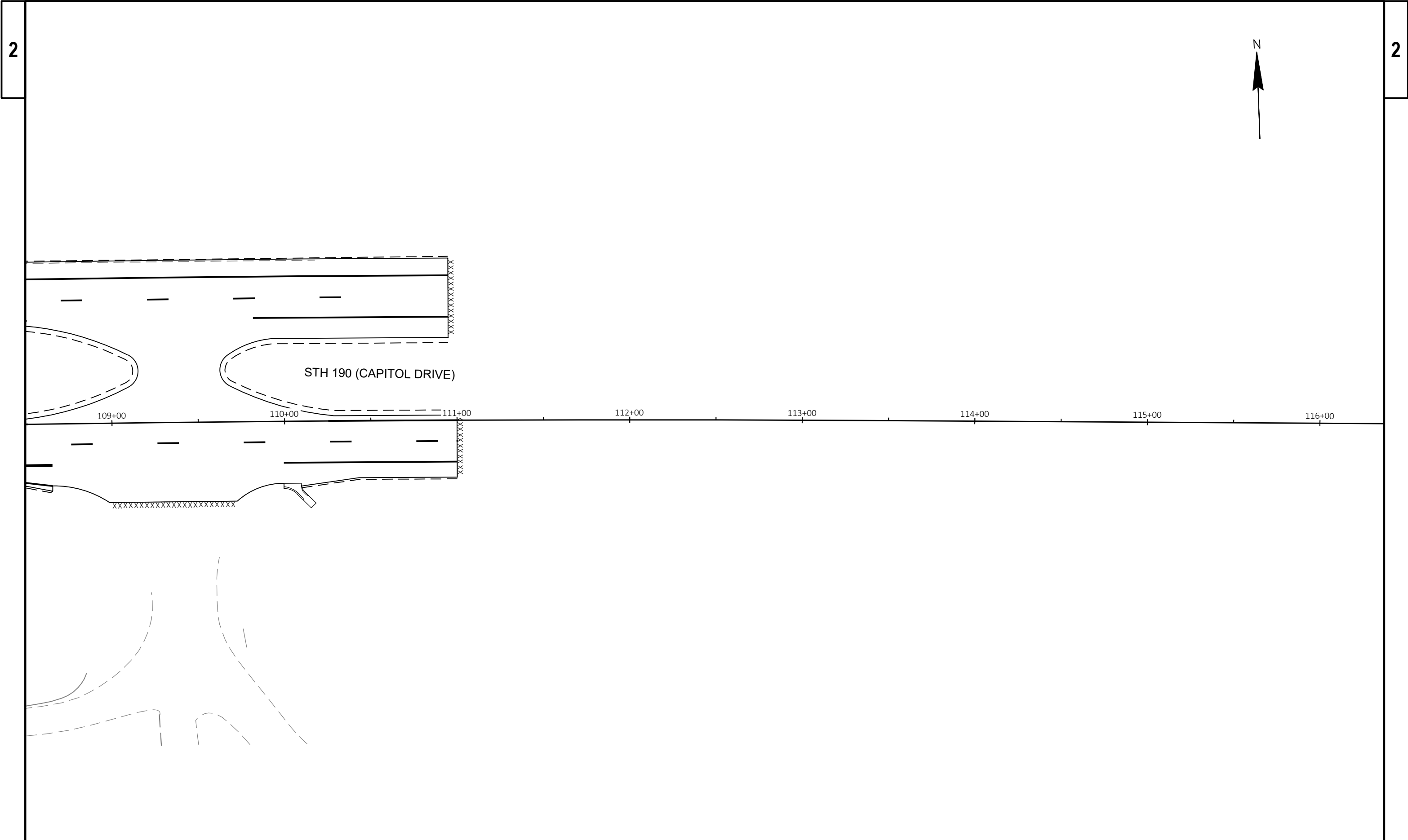
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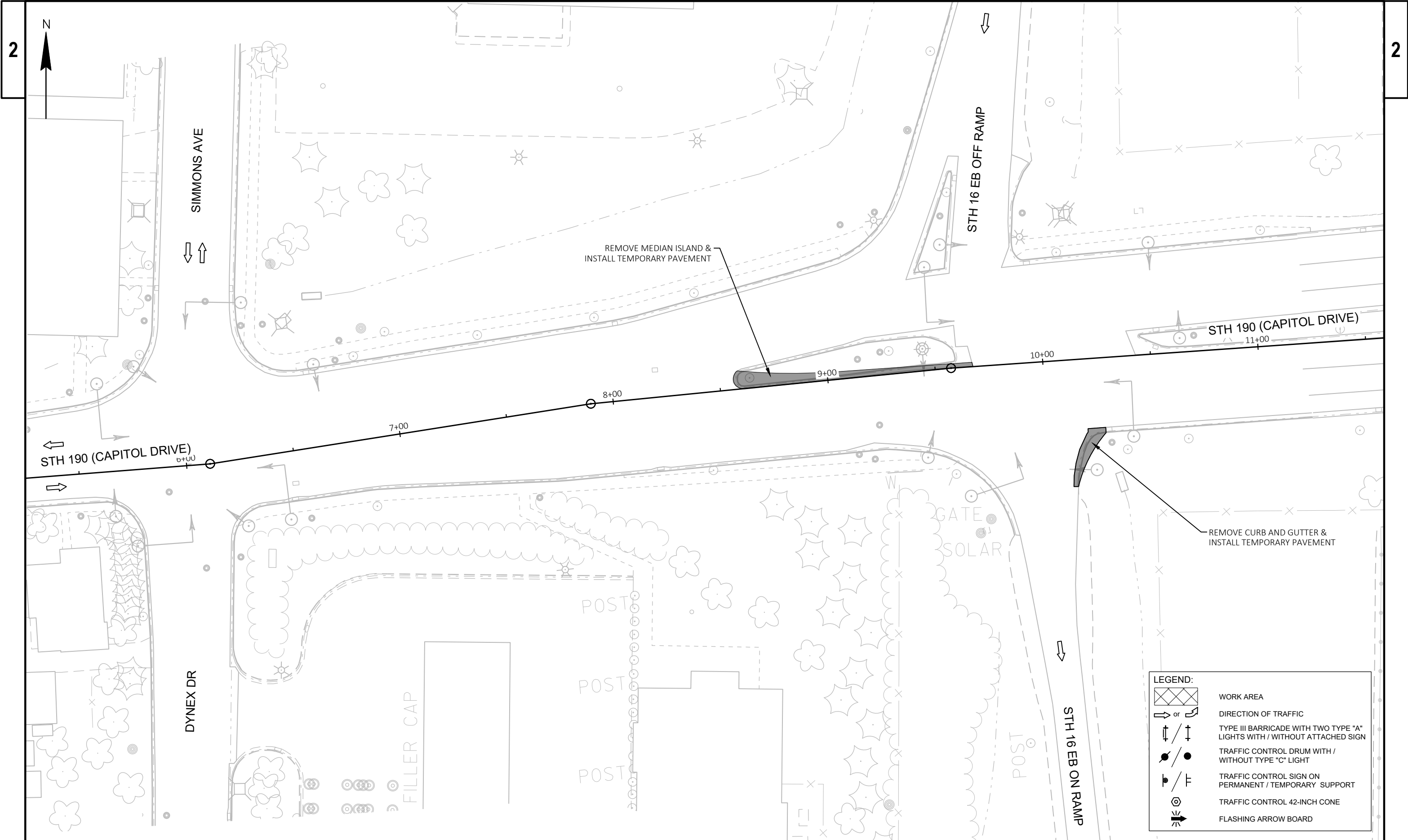
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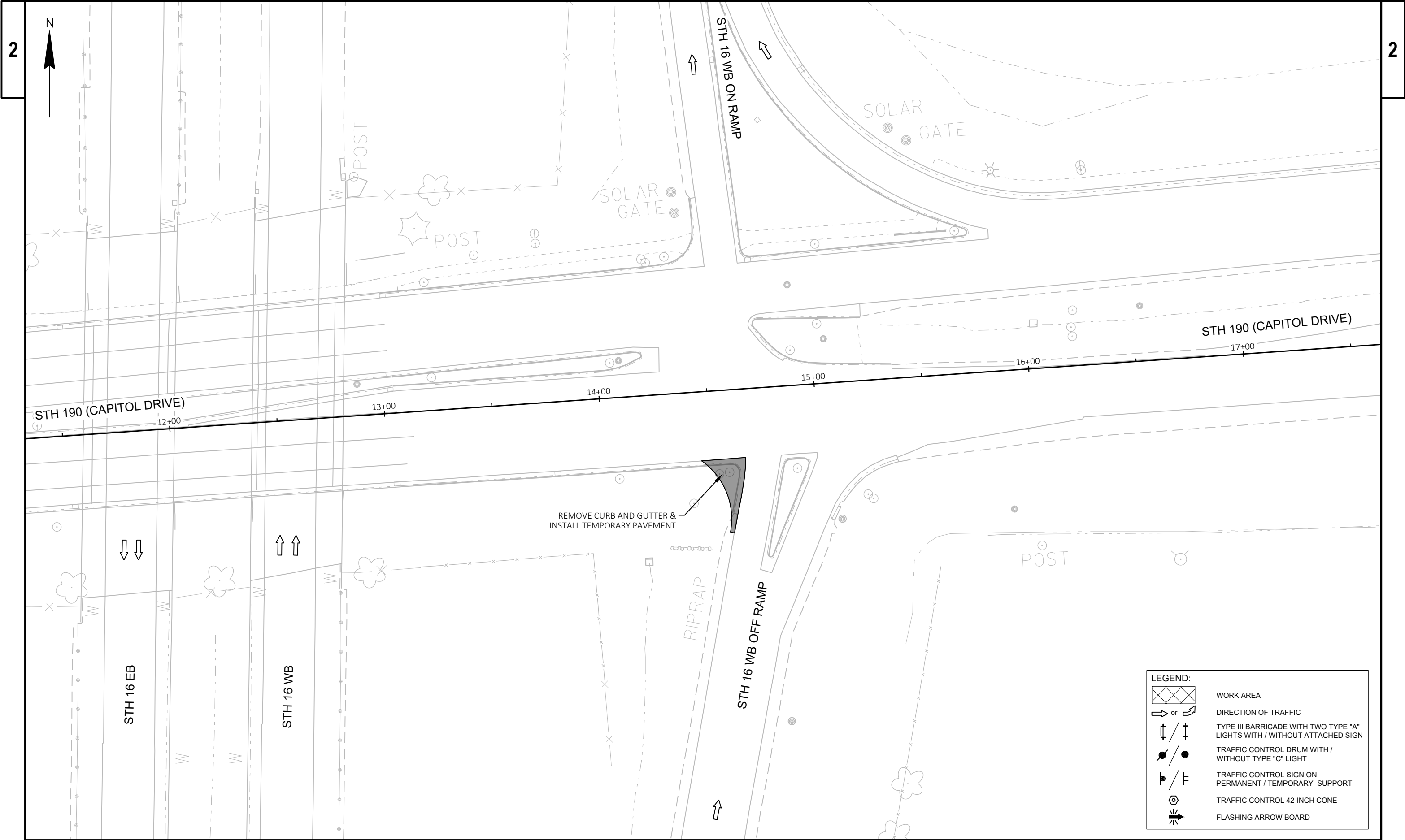


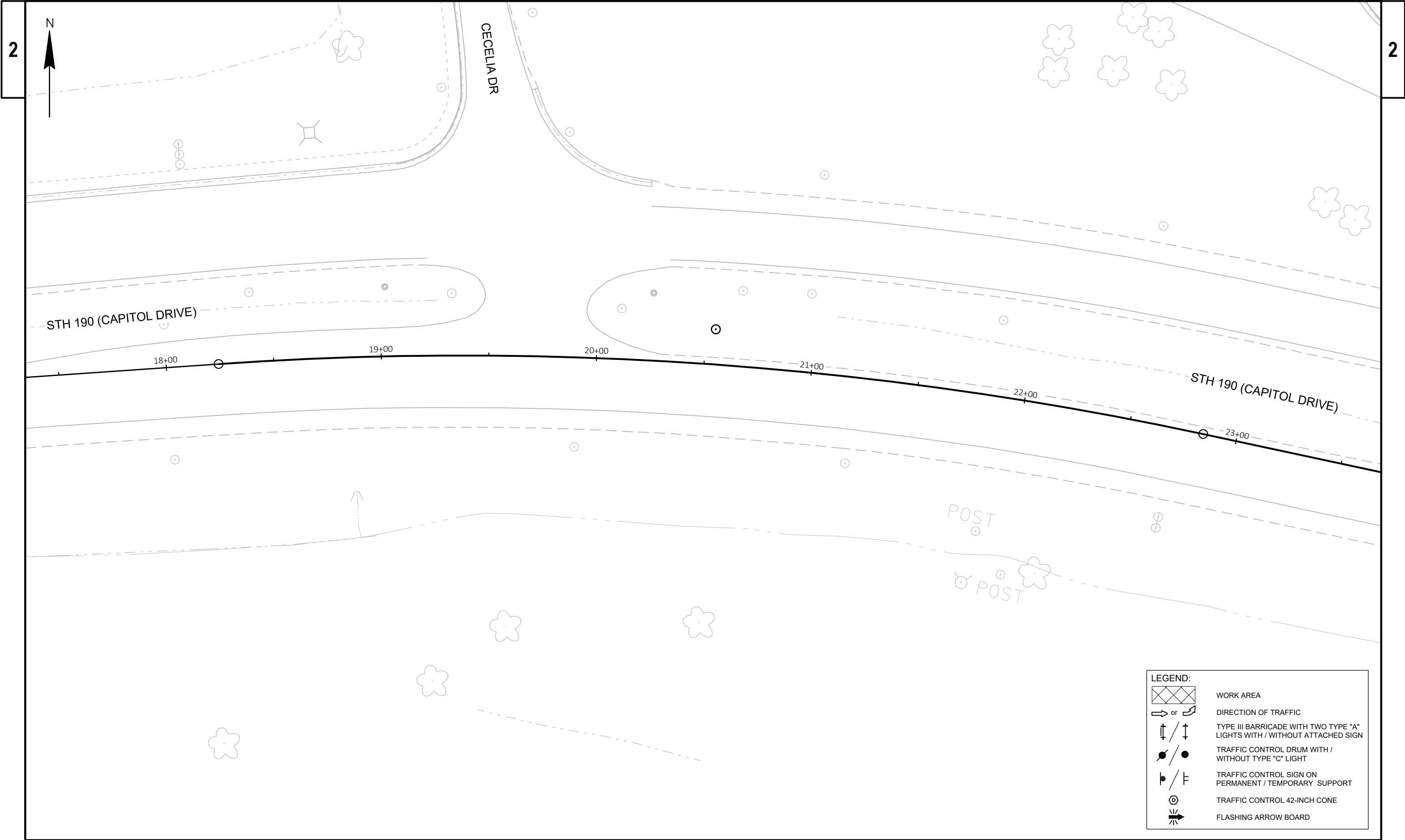
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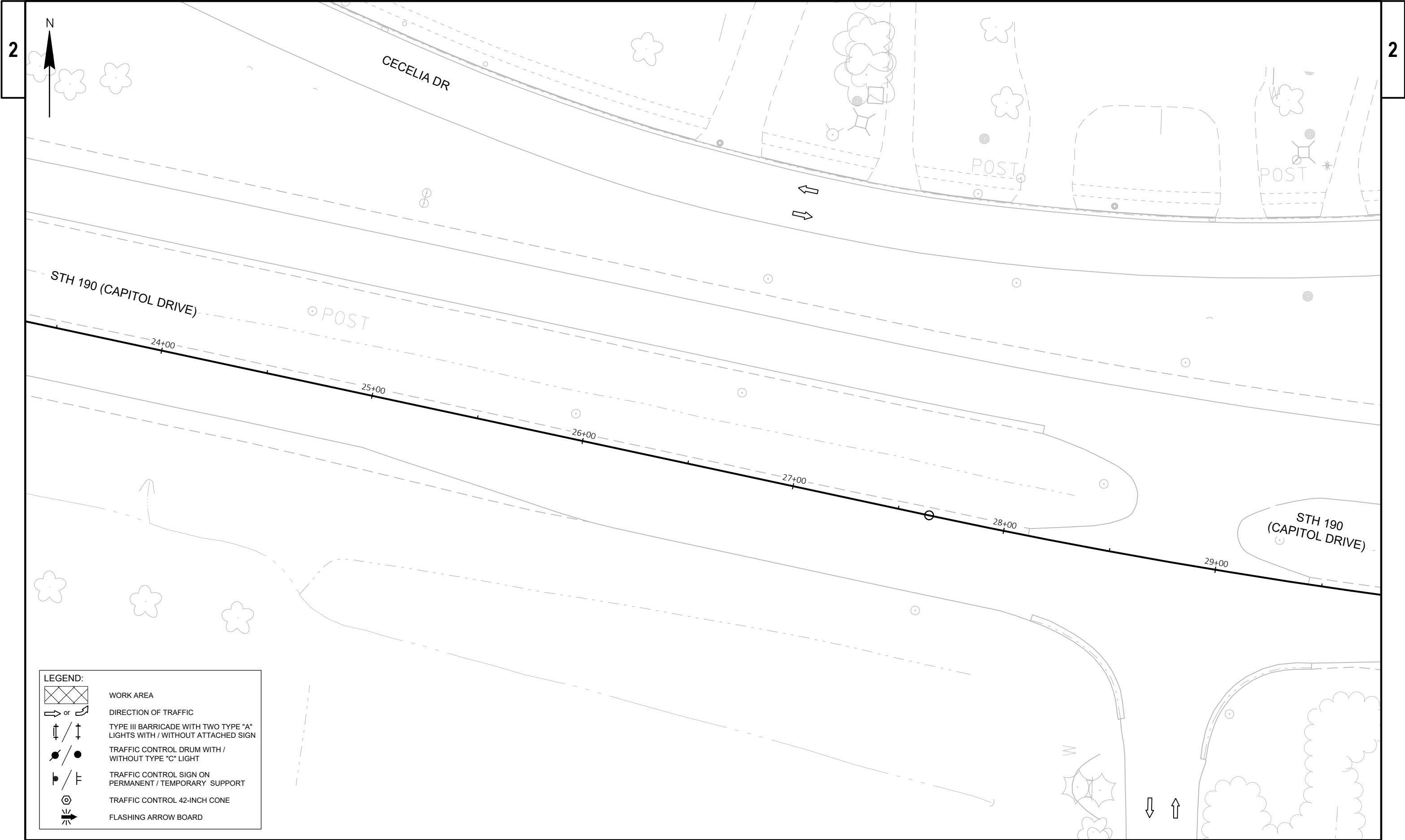


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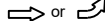




LEGEND:



WORK AREA



DIRECTION OF TRAFFIC



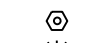
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN



TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT



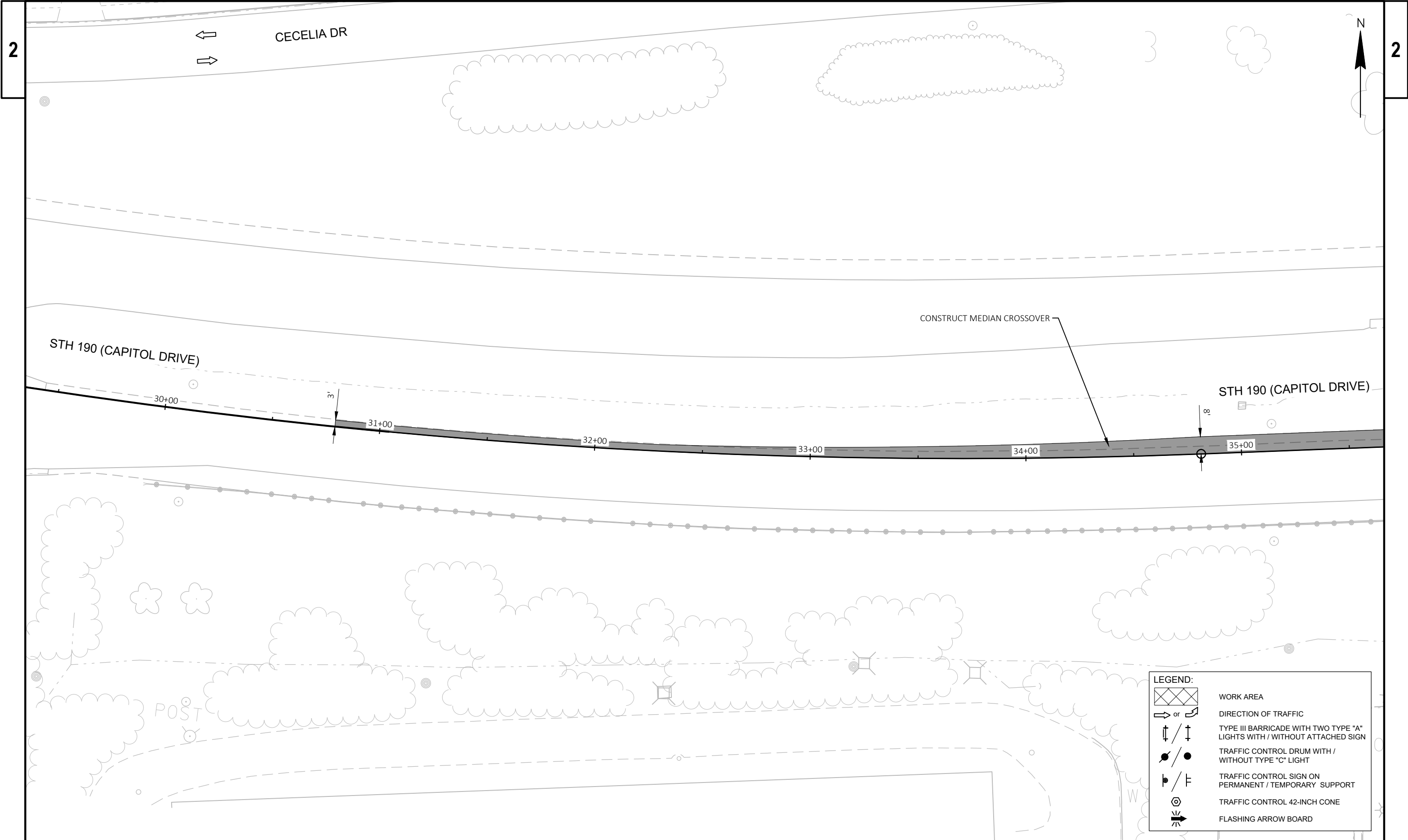
TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT



TRAFFIC CONTROL 42-INCH CONE



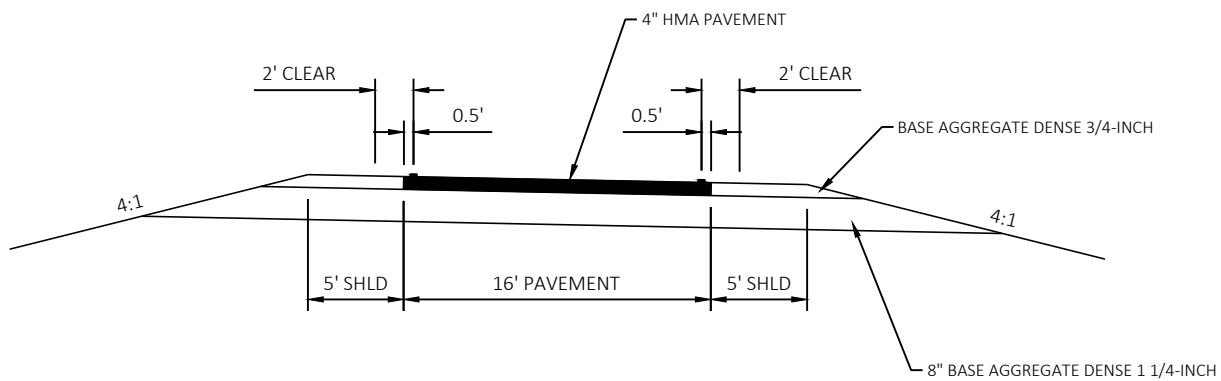
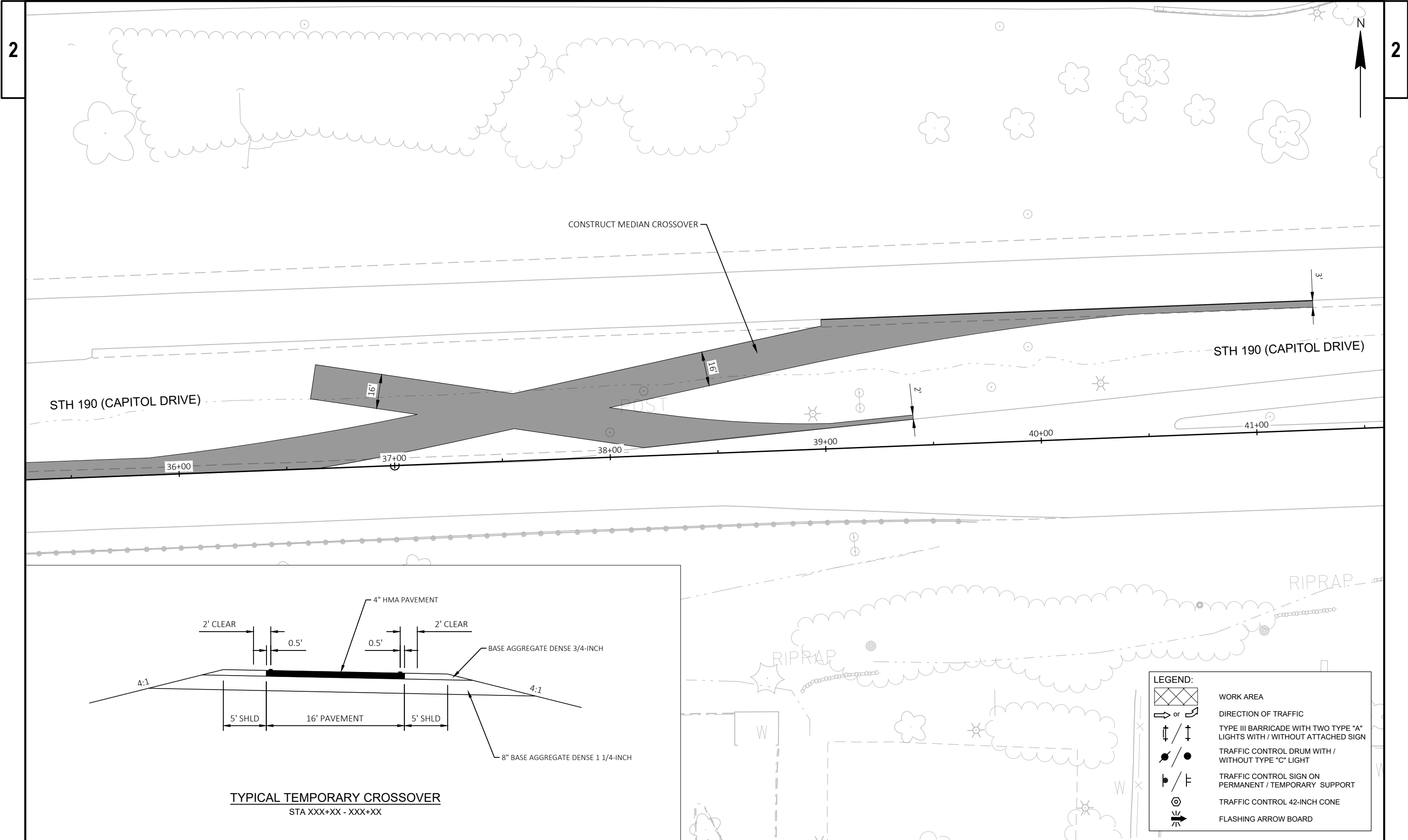
FLASHING ARROW BOARD



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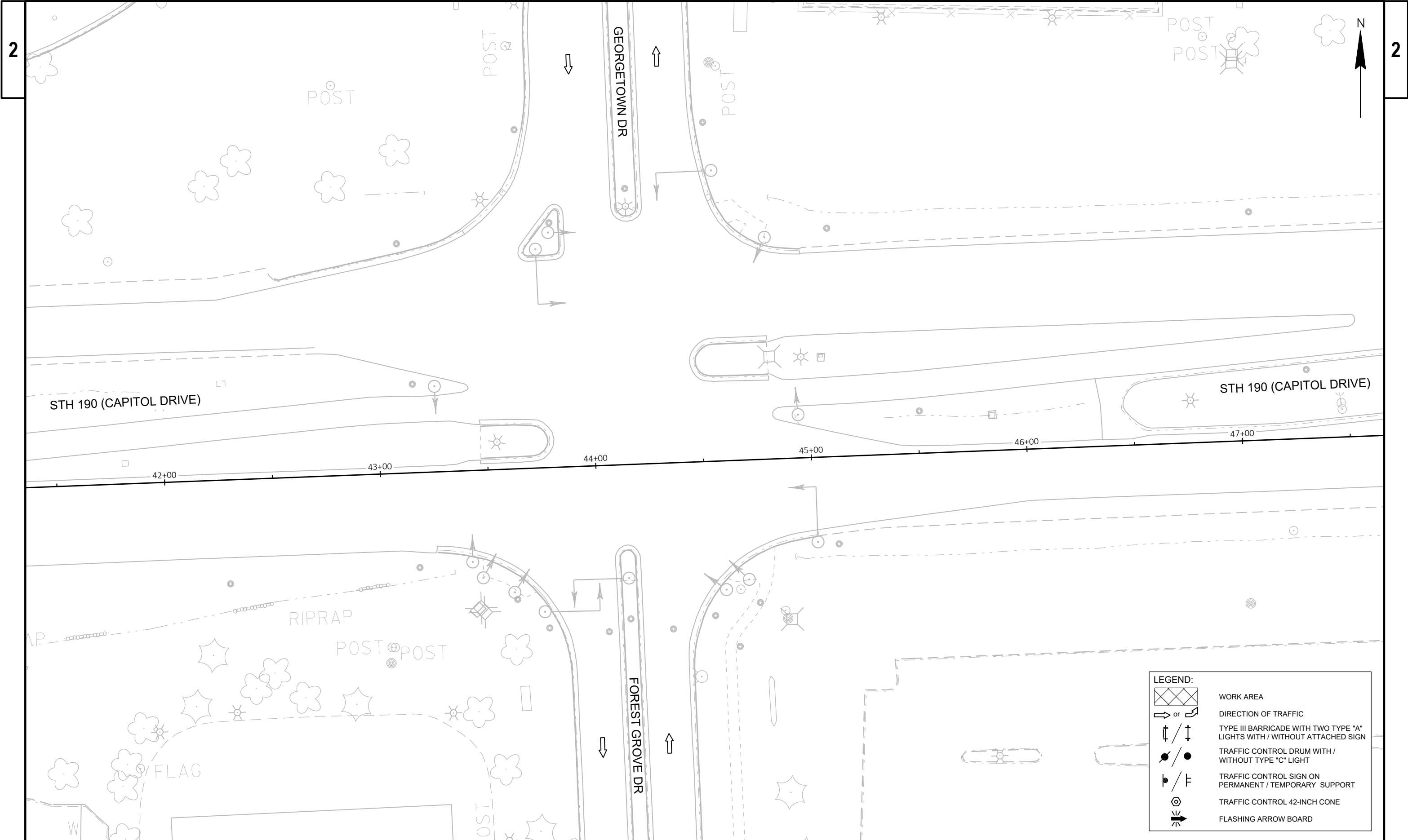
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 1	SHEET	E
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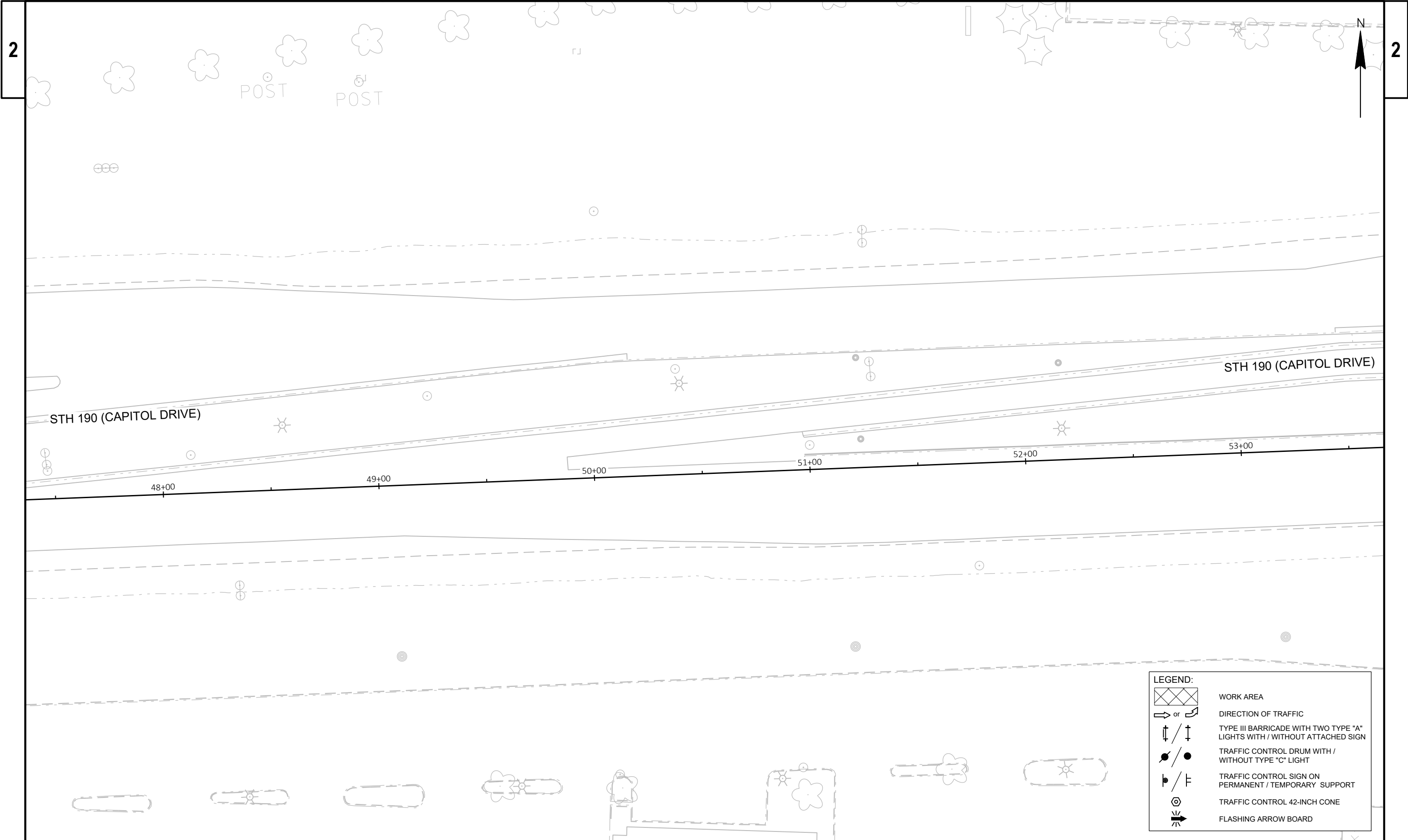


TYPICAL TEMPORARY CROSSOVER
STA XXX+XX - XXX+XX

LEGEND:

	WORK AREA
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD





LEGEND:

WORK AREA

DIRECTION OF TRAFFIC

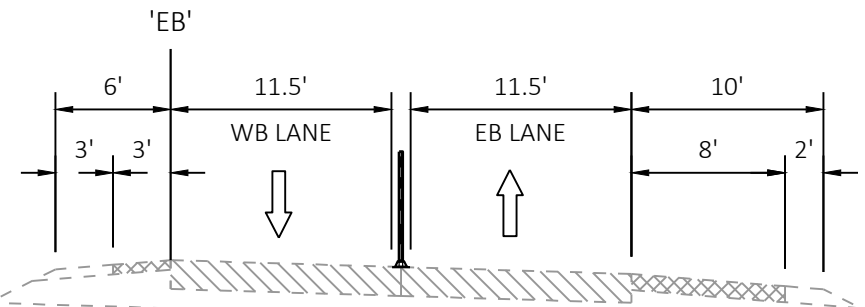
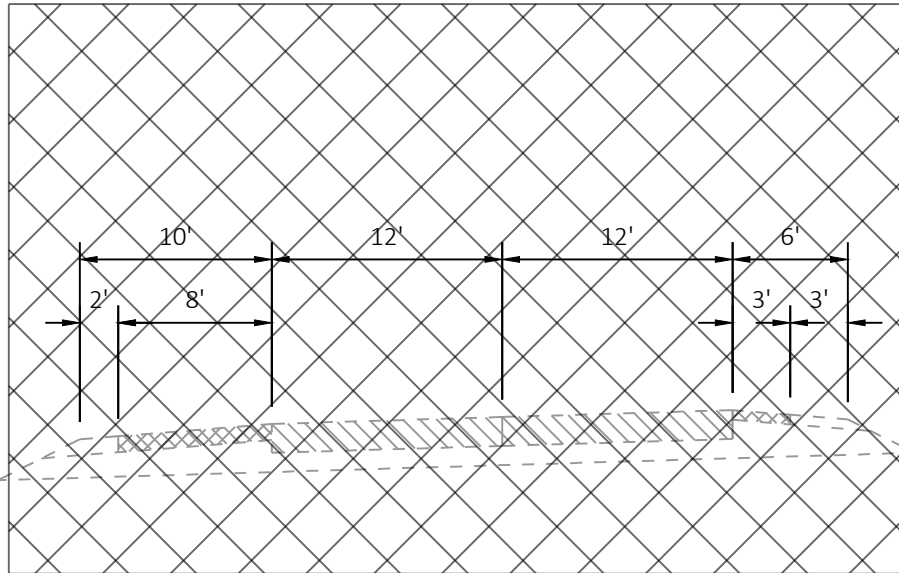
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN

TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

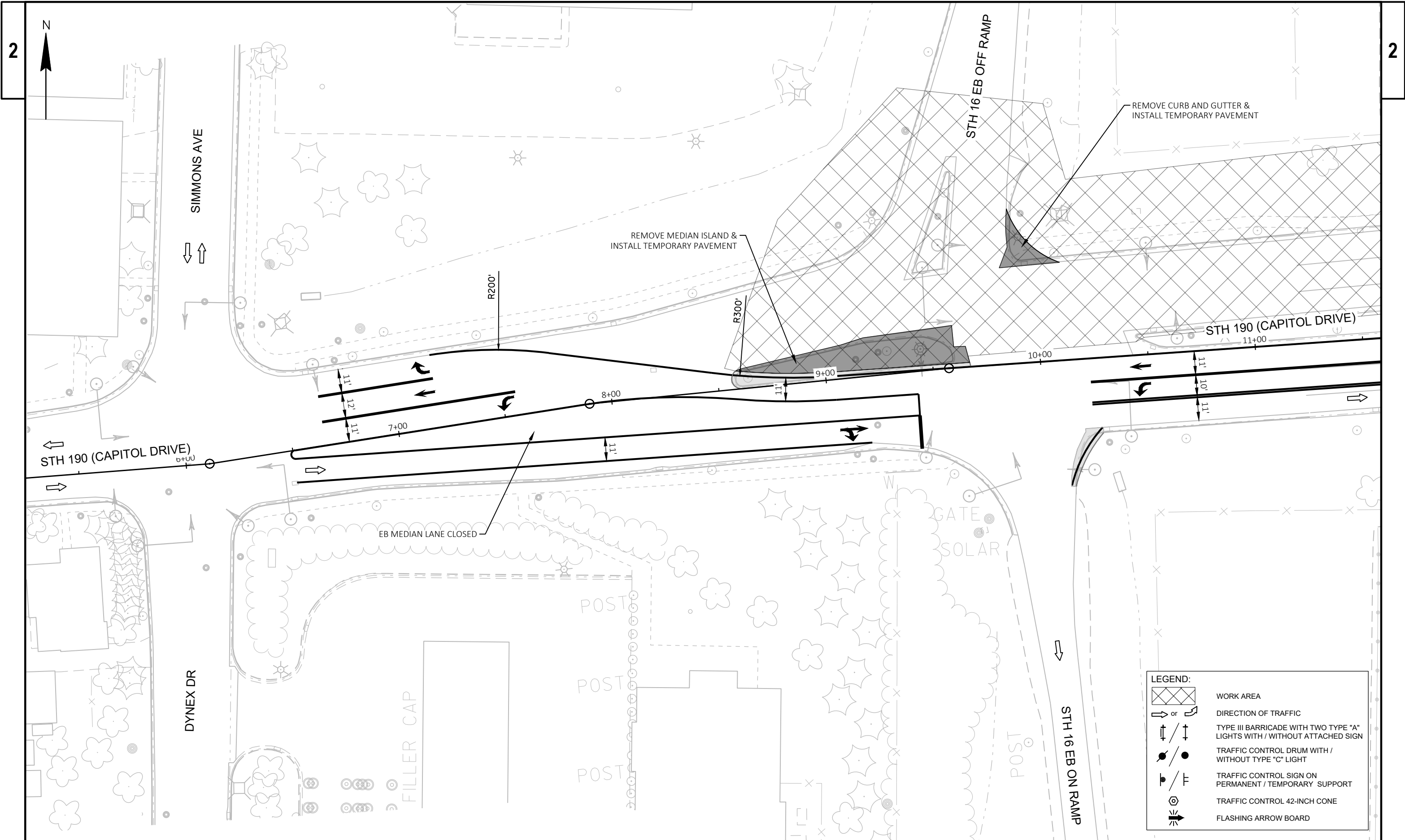
TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

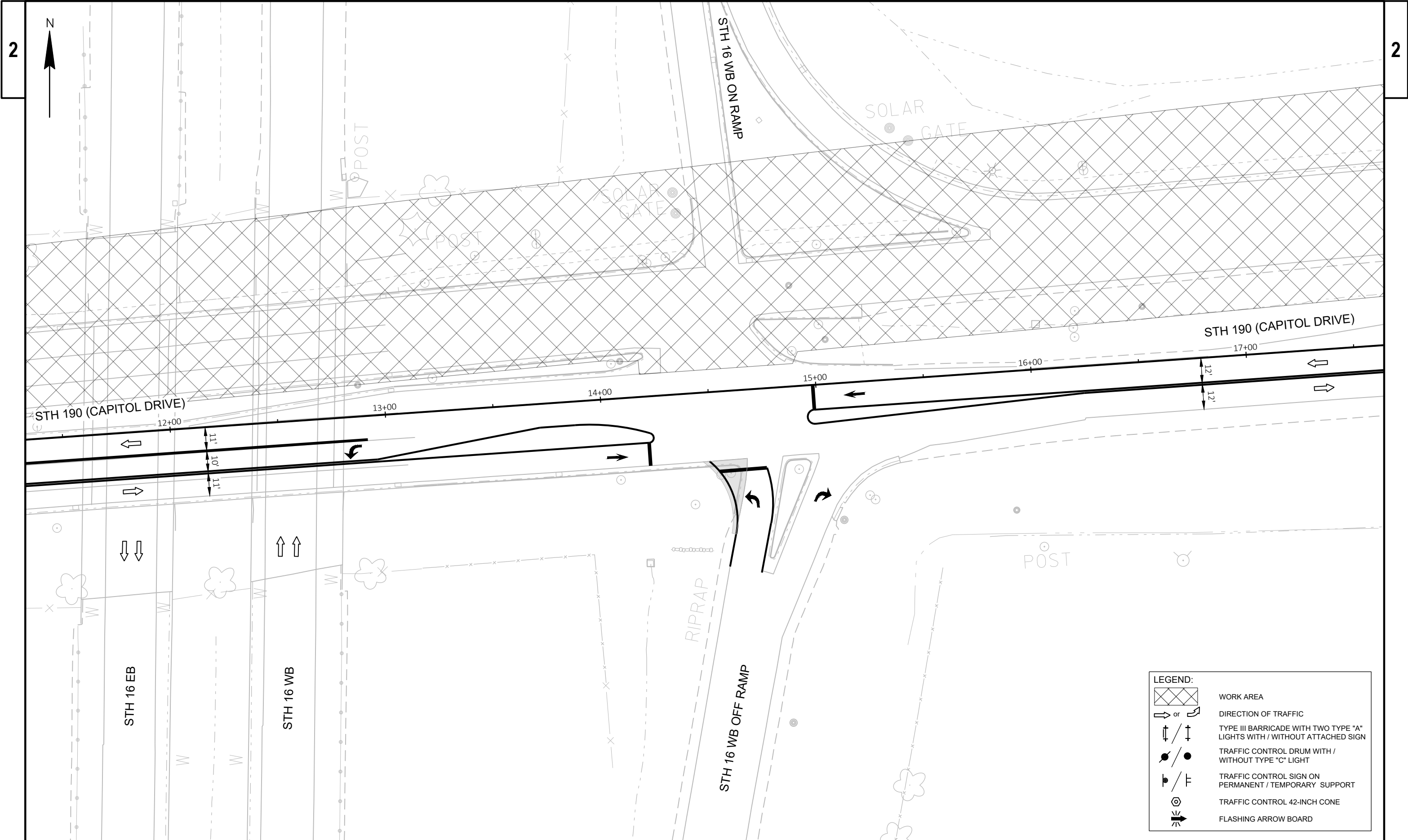
TRAFFIC CONTROL 42-INCH CONE

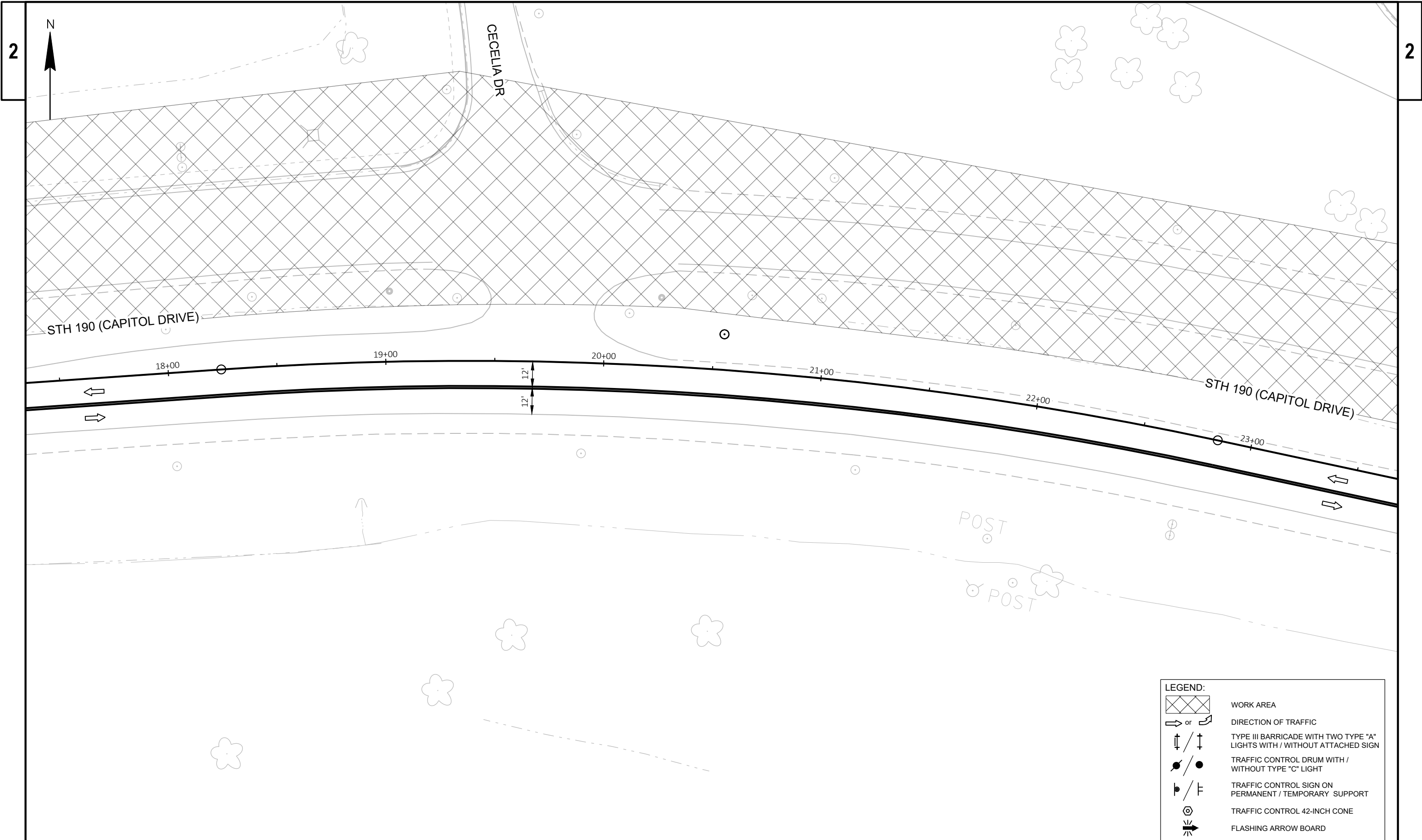
FLASHING ARROW BOARD



STAGE 2 CONSTRUCTION - CONCRETE REPLACEMENT
PAVEMENT REPLACEMENT ON WB LANES
BI-DIRECTIONAL TRAFFIC ON EB LANES

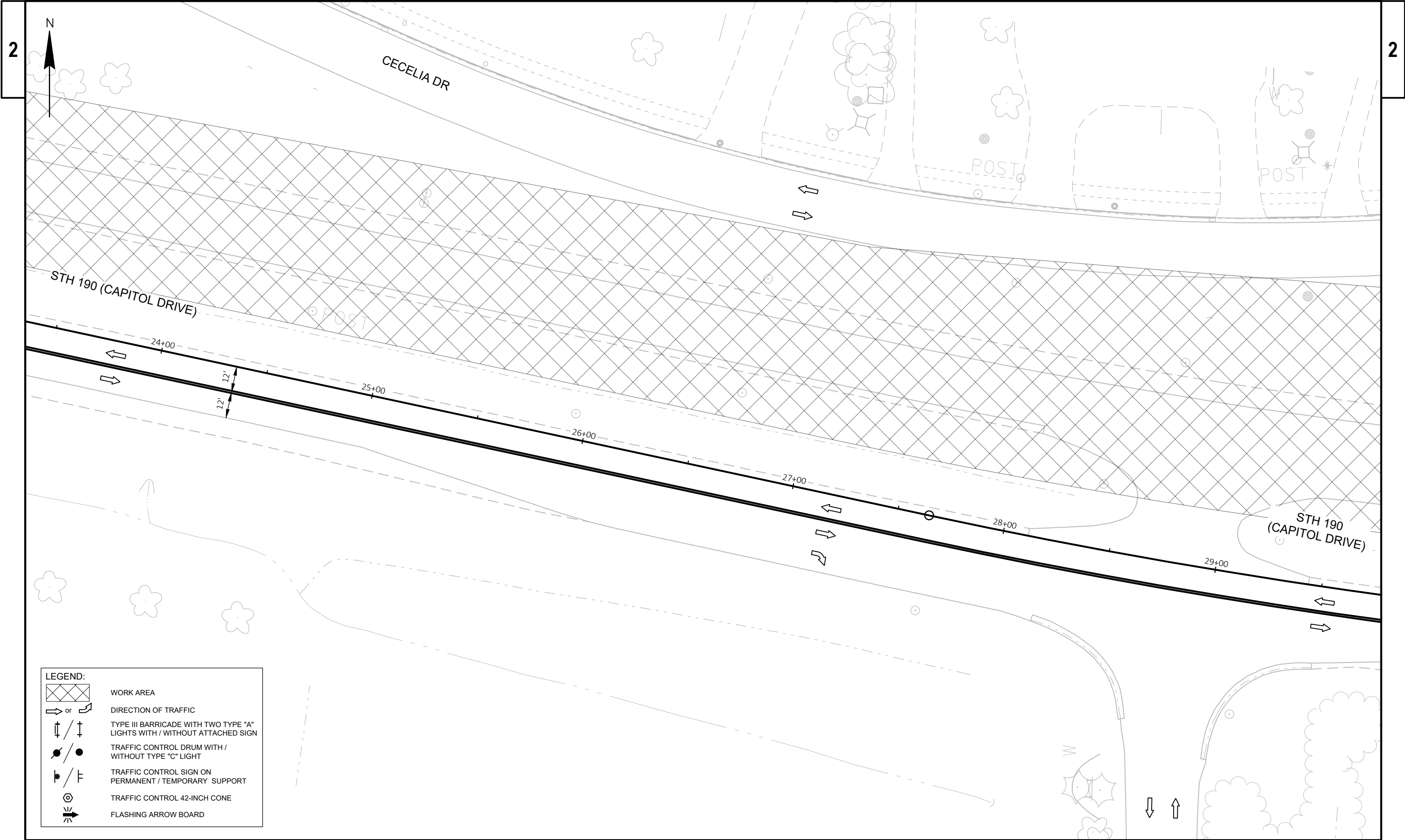


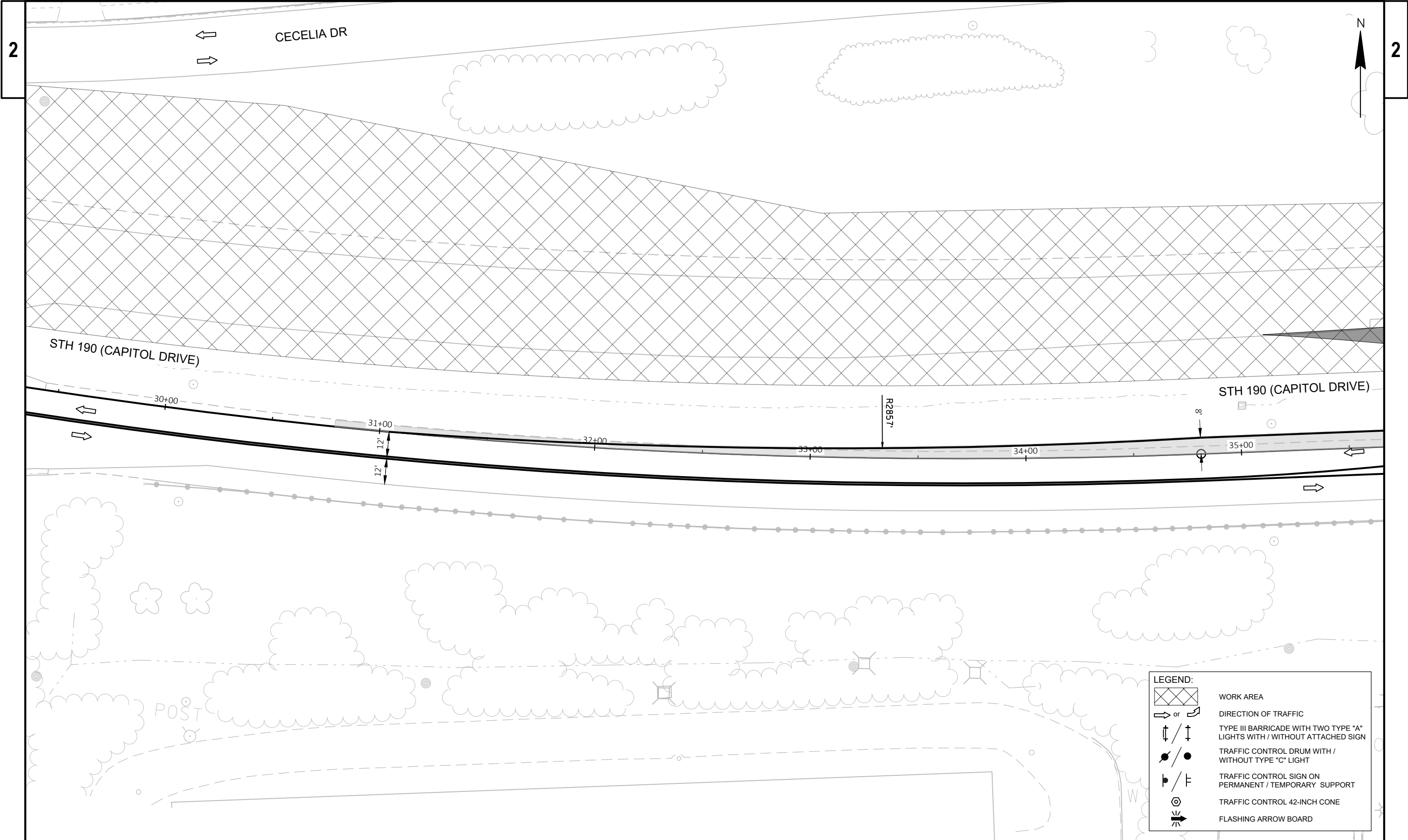




LEGEND:

	WORK AREA
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD





LEGEND:



WORK AREA



DIRECTION OF TRAFFIC



TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN



TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT



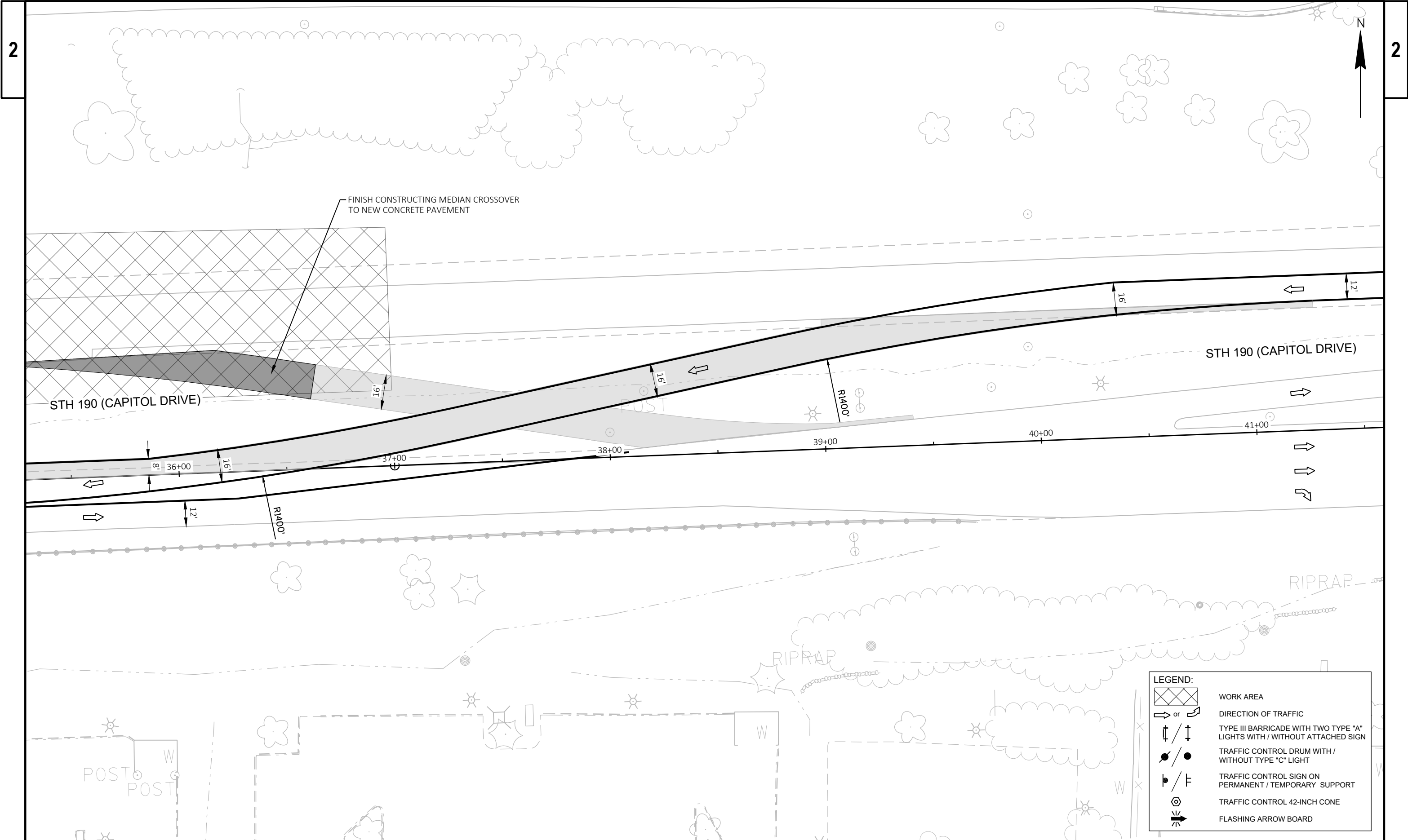
TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

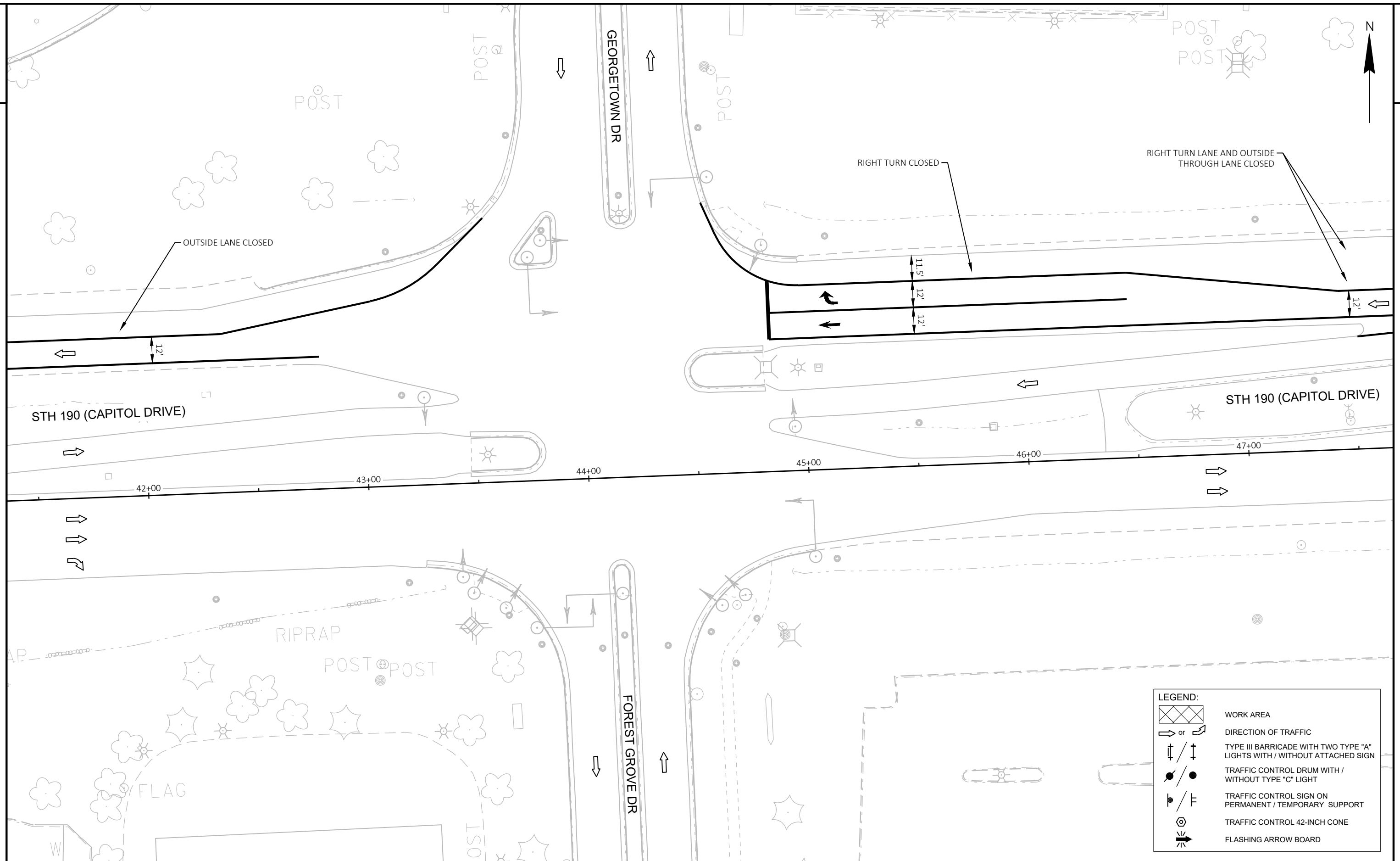


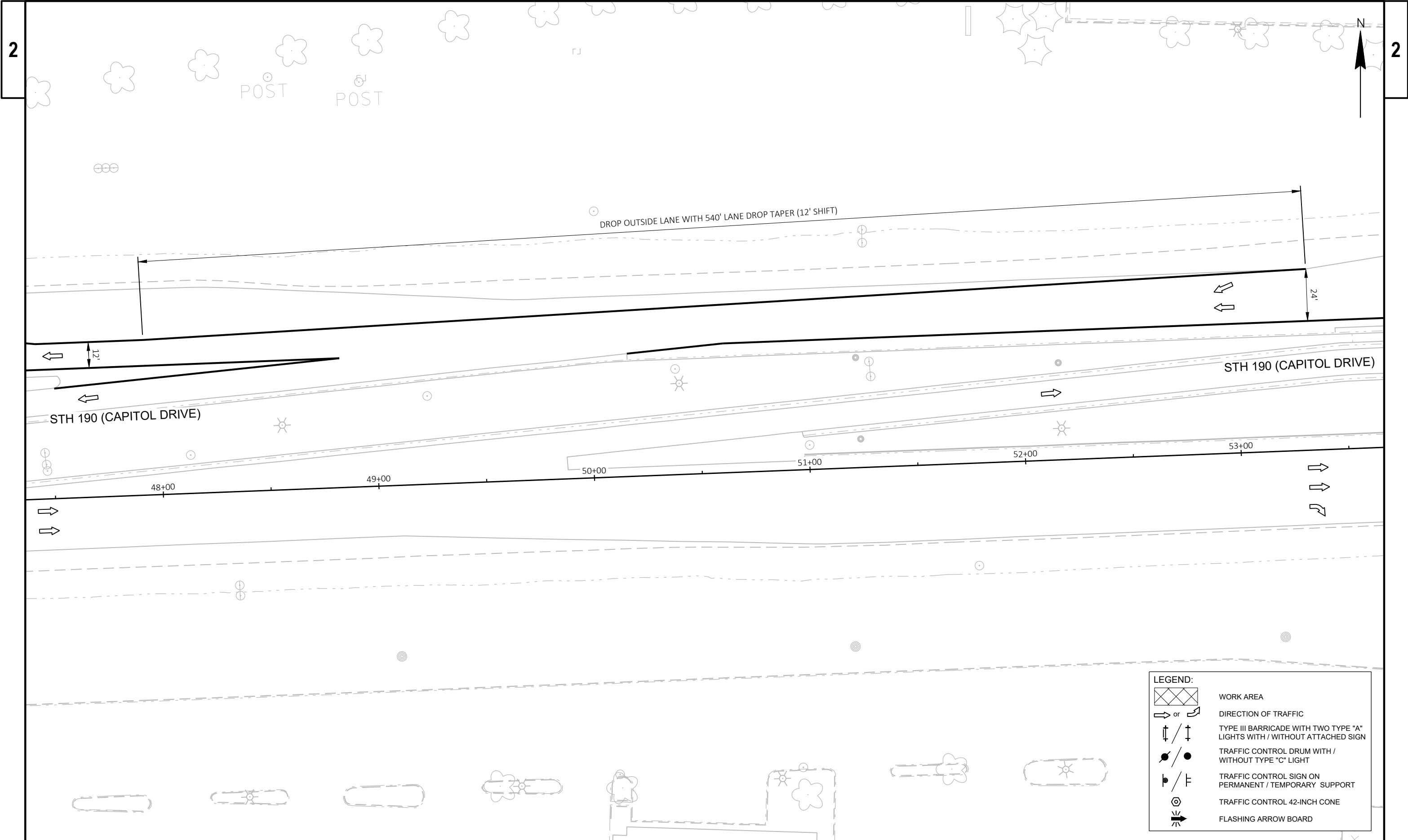
TRAFFIC CONTROL 42-INCH CONE



FLASHING ARROW BOARD

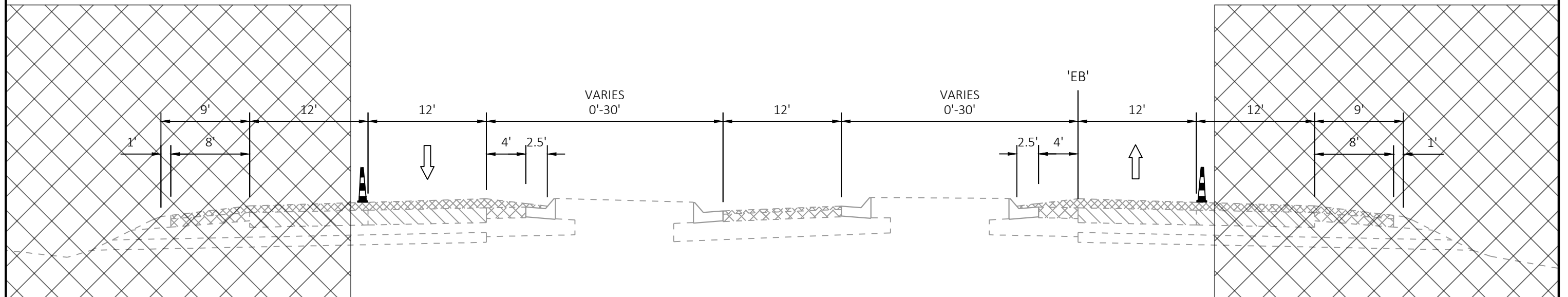






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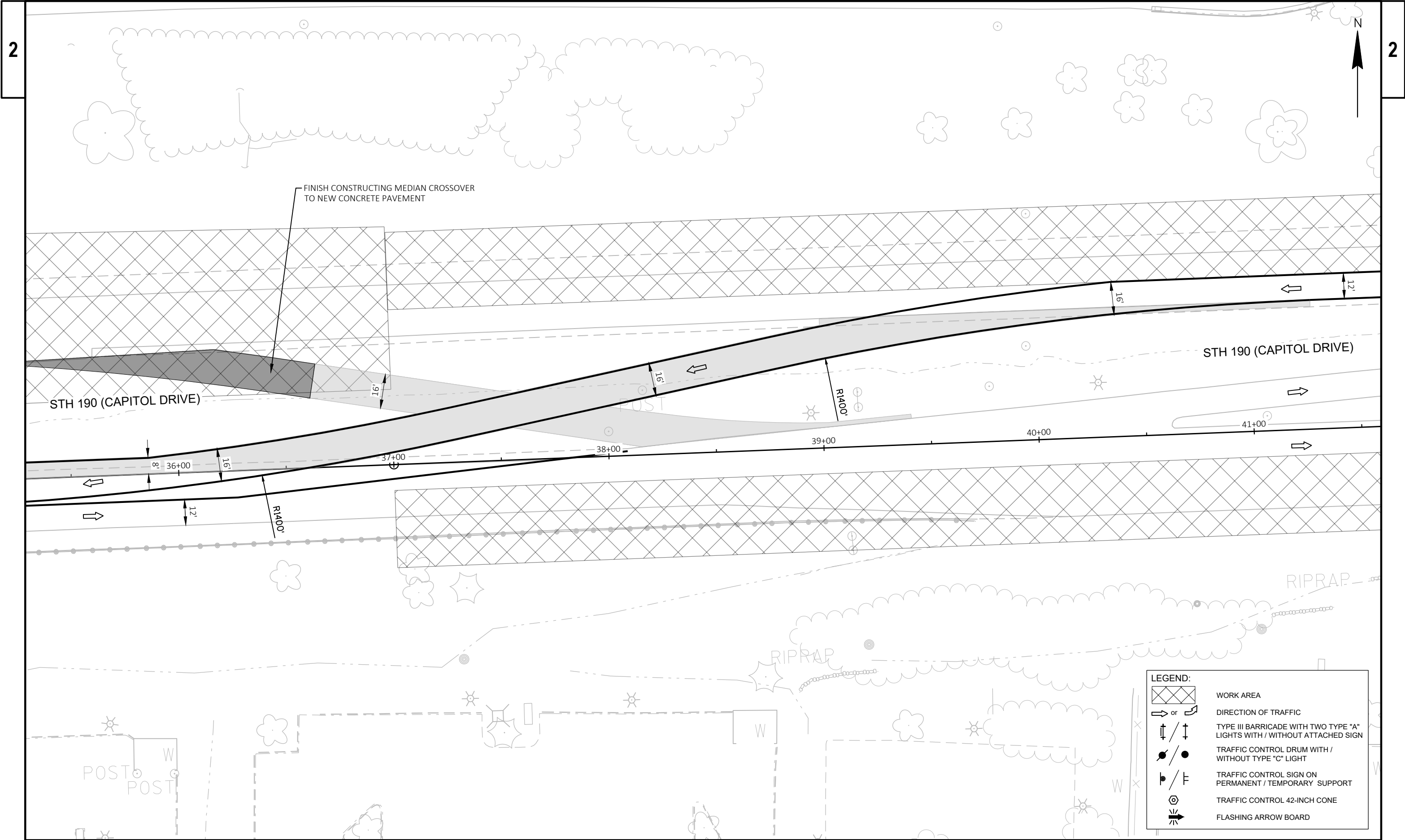
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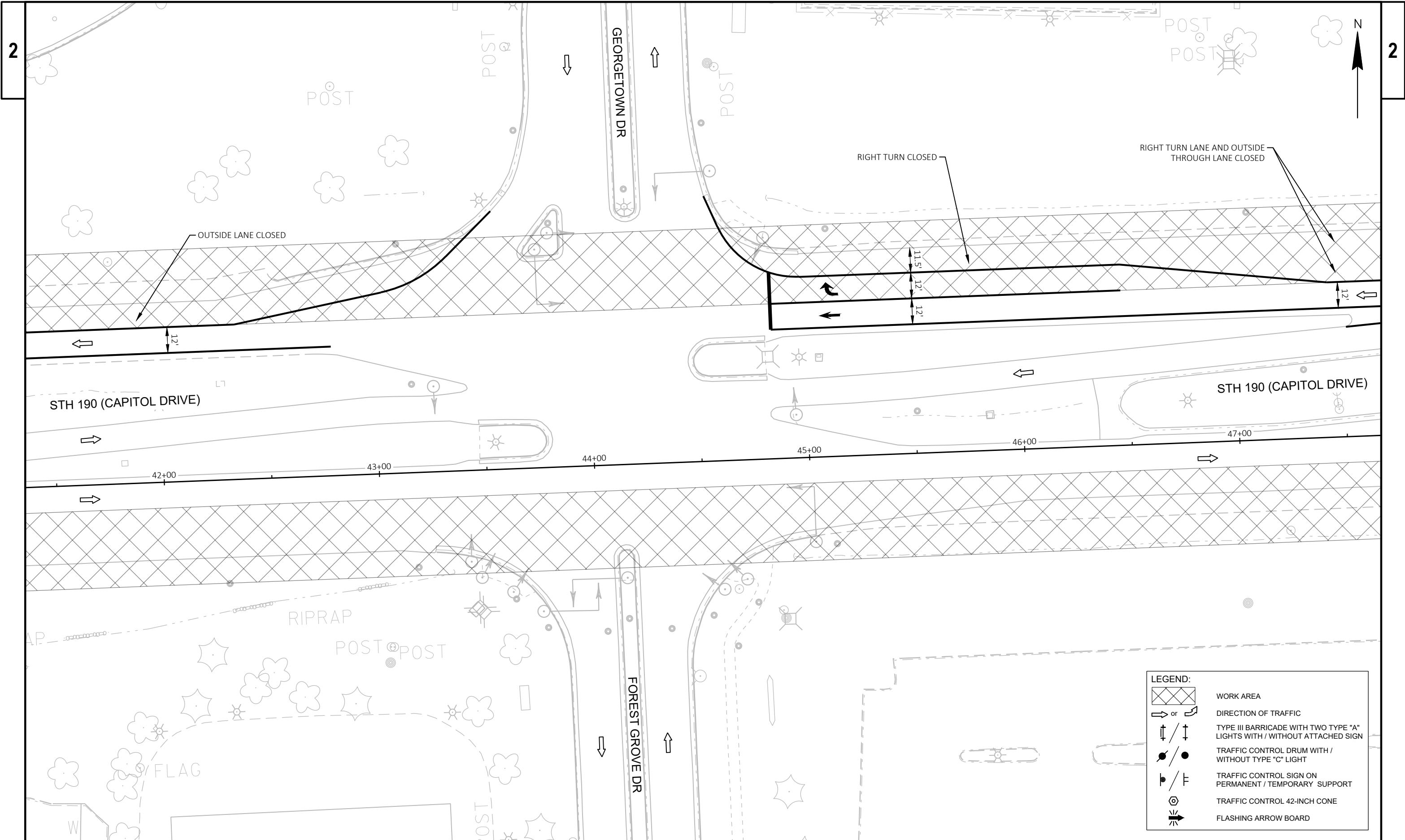


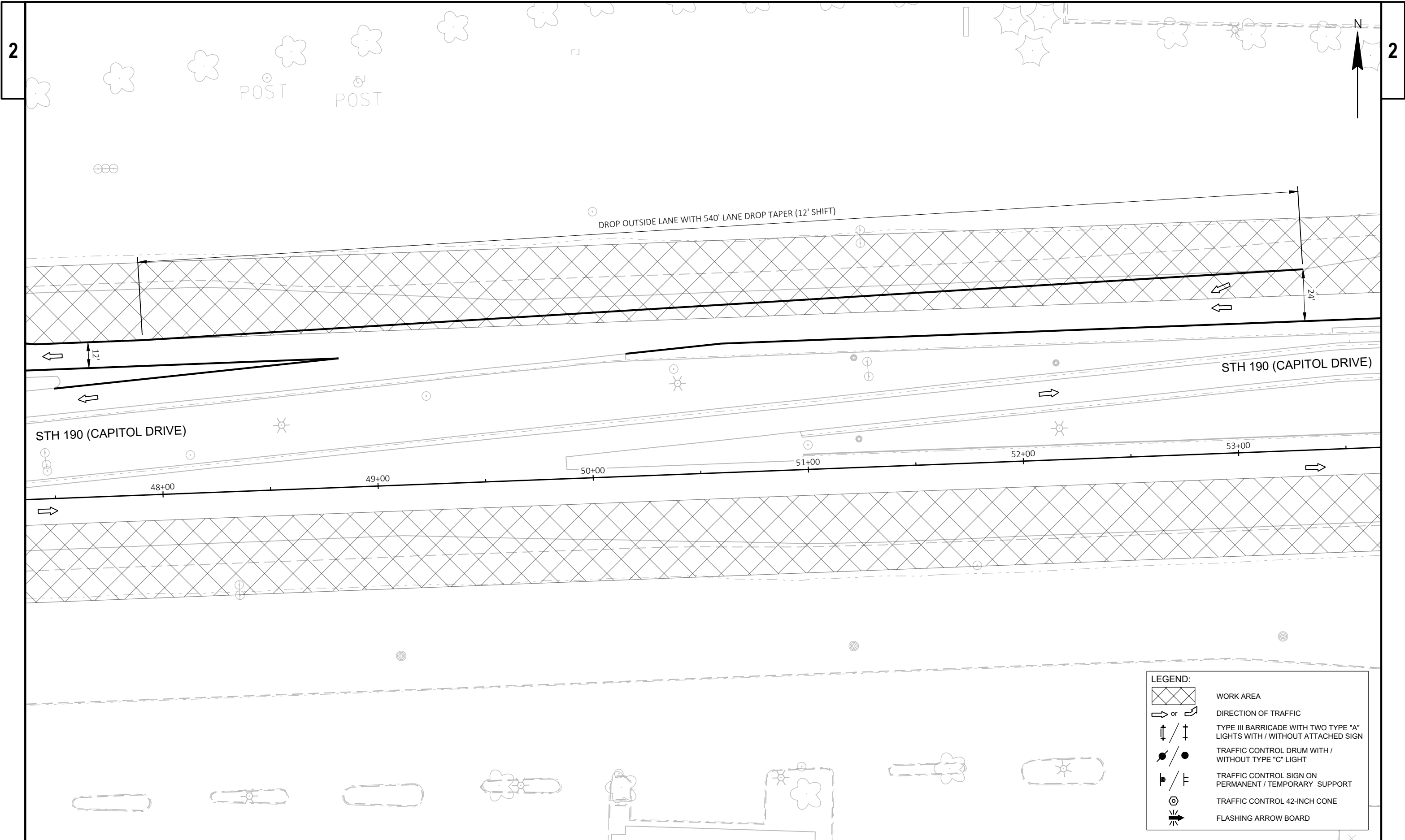
STAGE 2A CONSTRUCTION - ASPHALT MILL AND OVERLAY

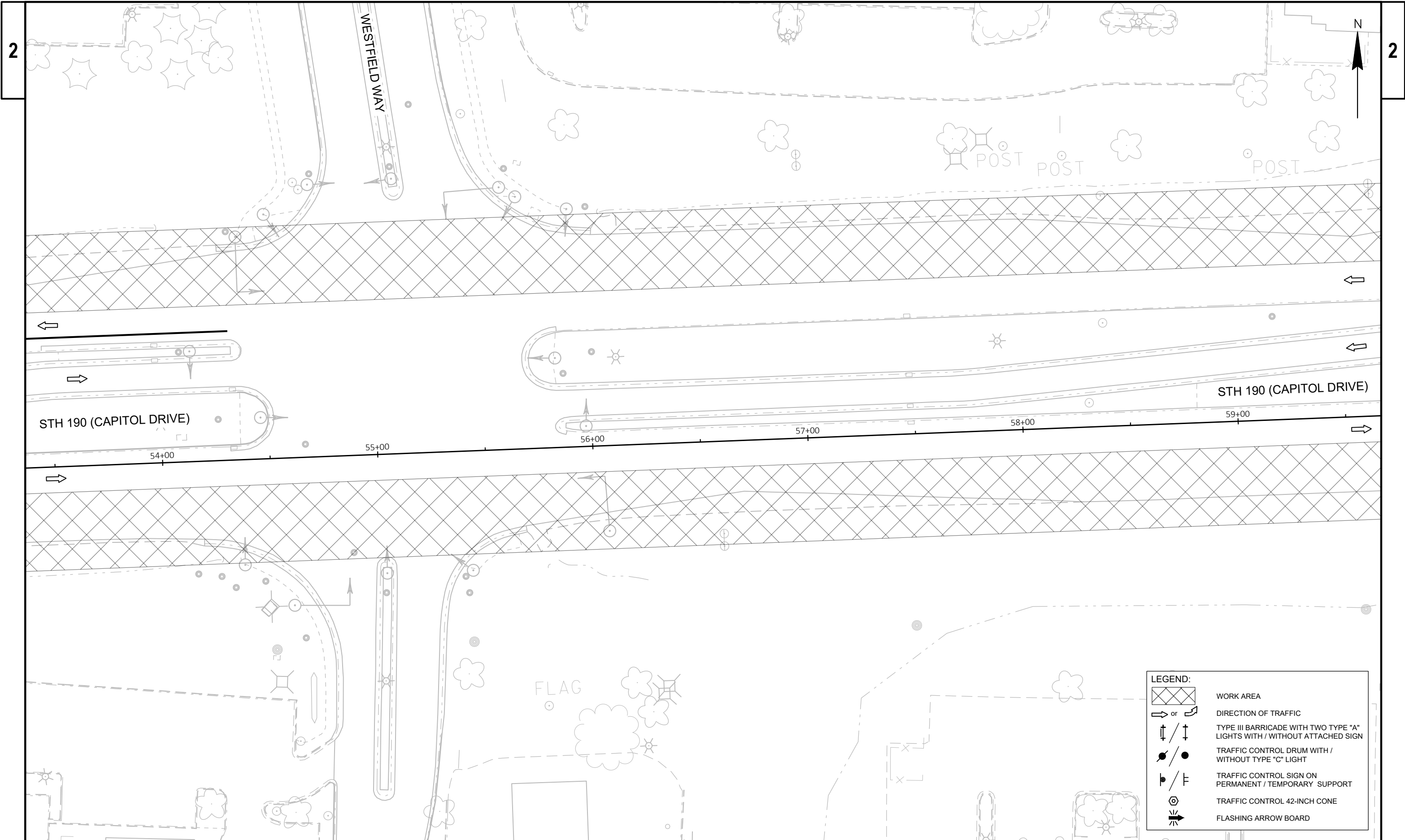
PAVEMENT MILLING ON OUTSIDE LANES

TRAFFIC ON INSIDE LANES

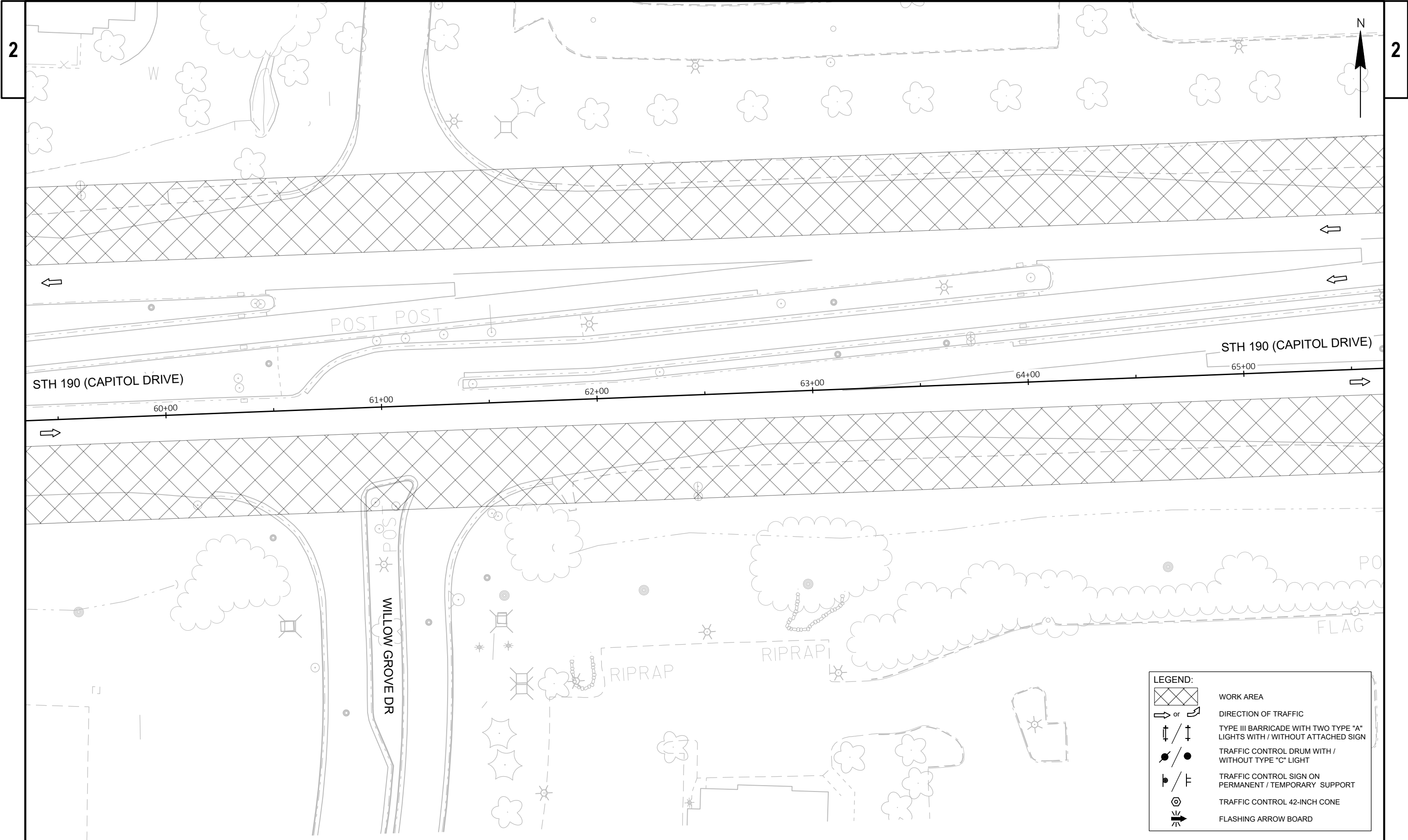


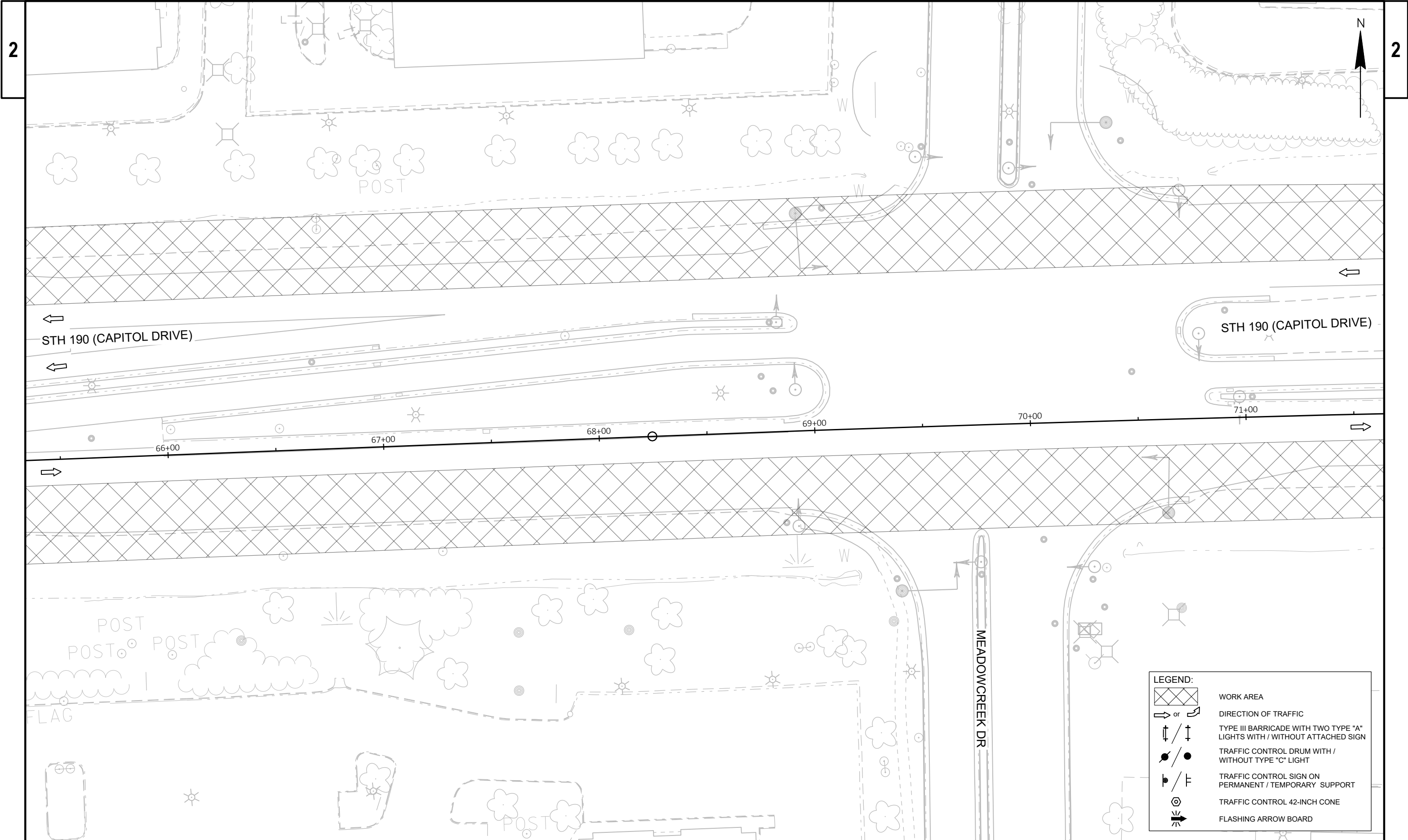


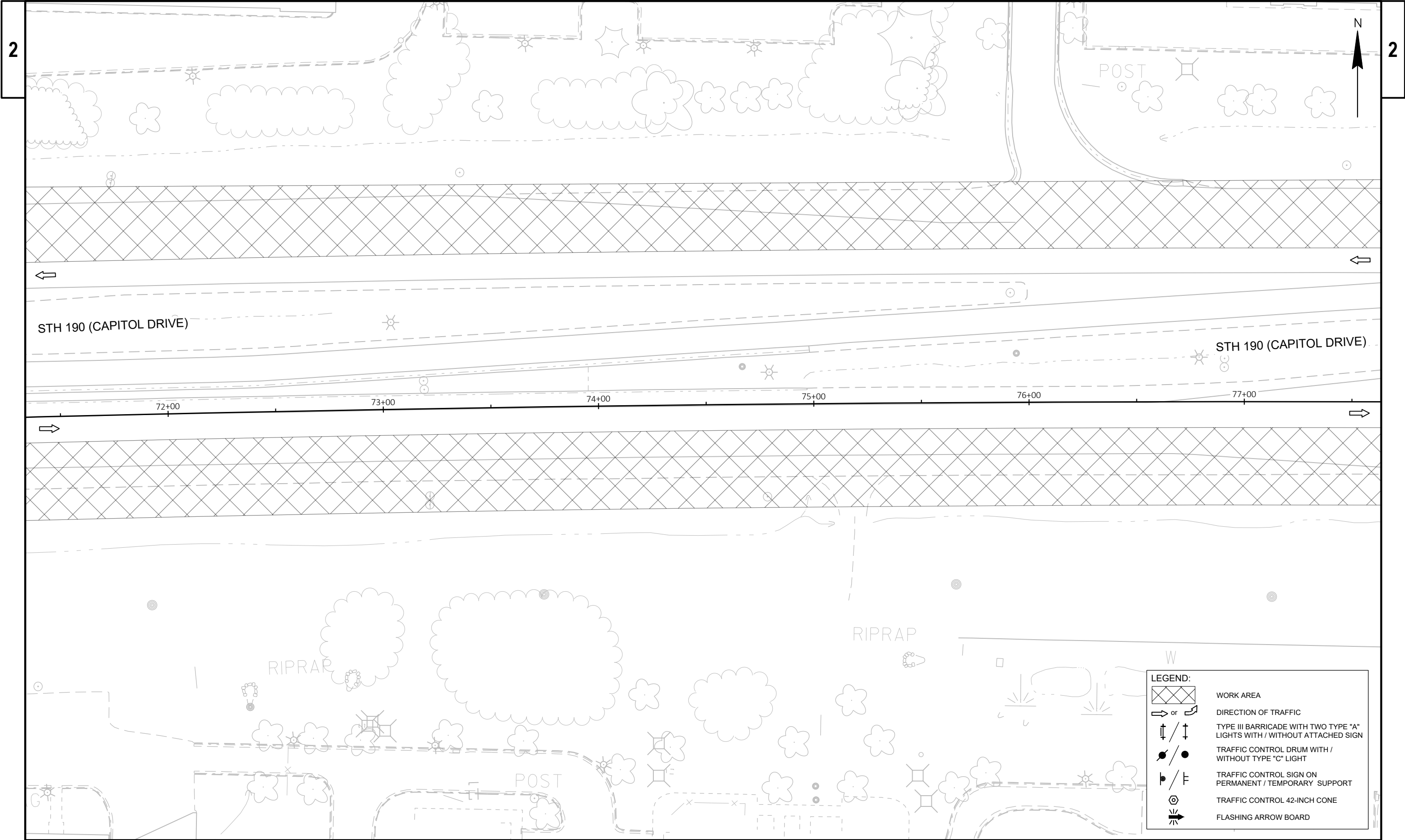


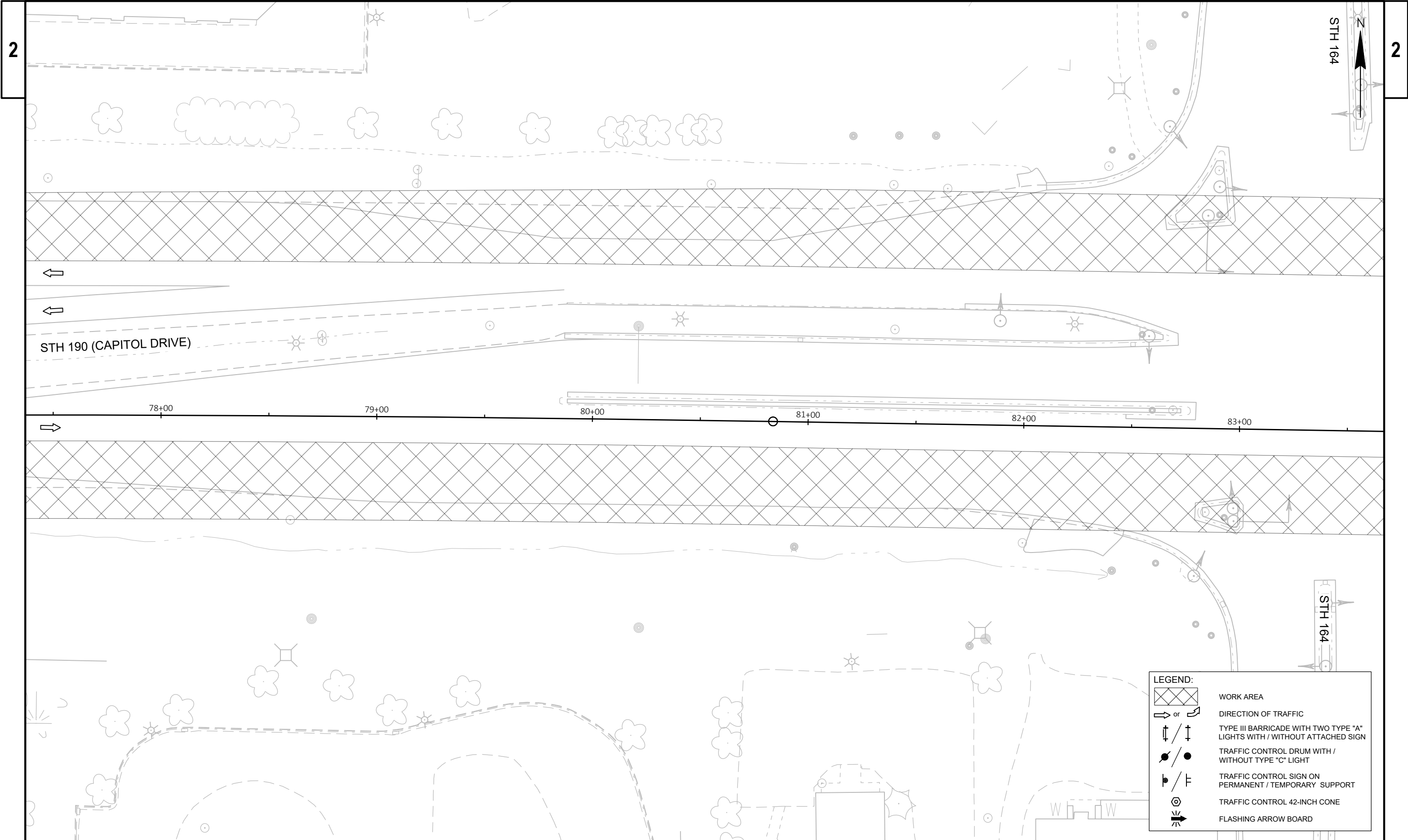


PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2A	SHEET	E
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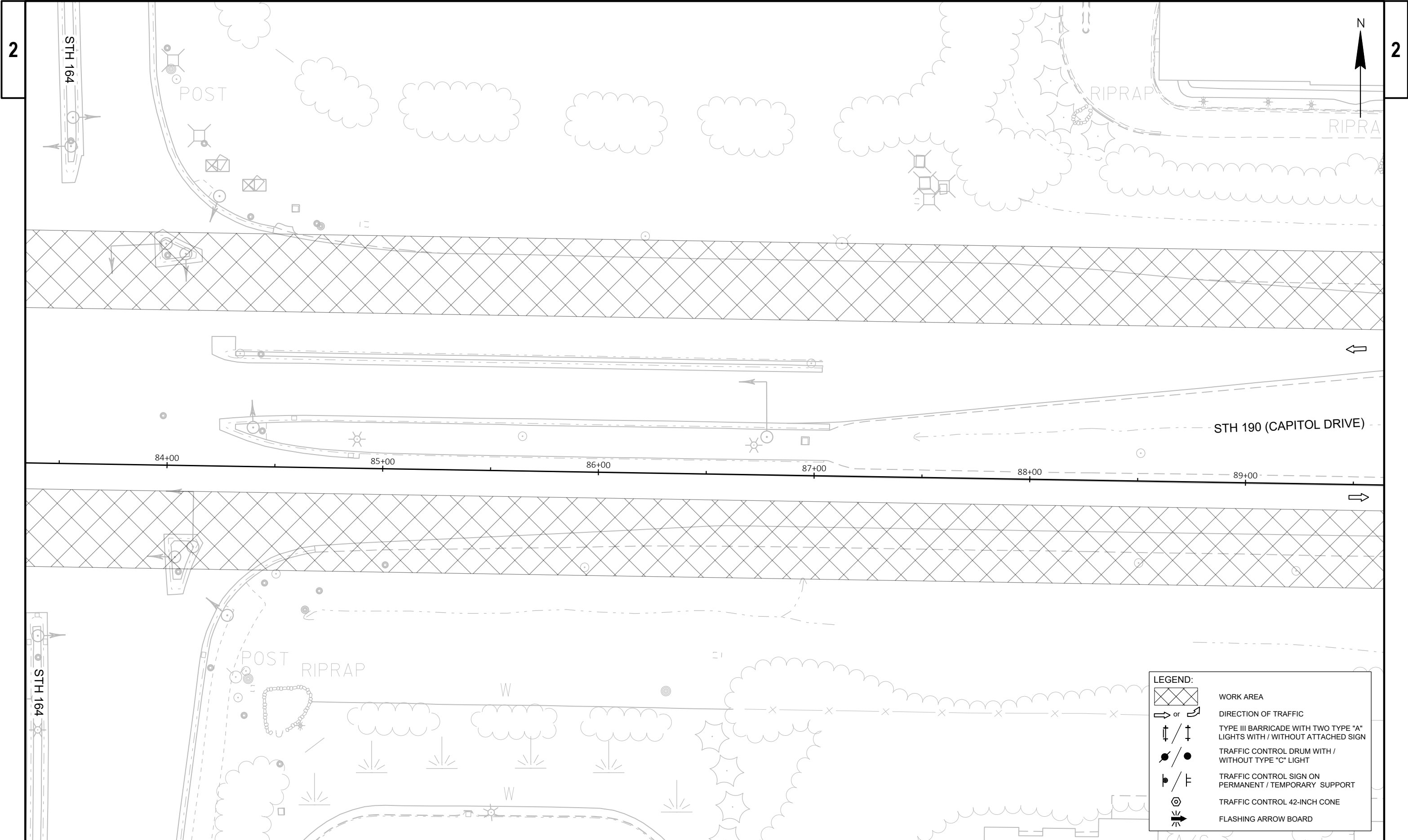








PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2A	SHEET	E
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2

2

PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2A	SHEET	E
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LEGEND:

WORK AREA

or

DIRECTION OF TRAFFIC

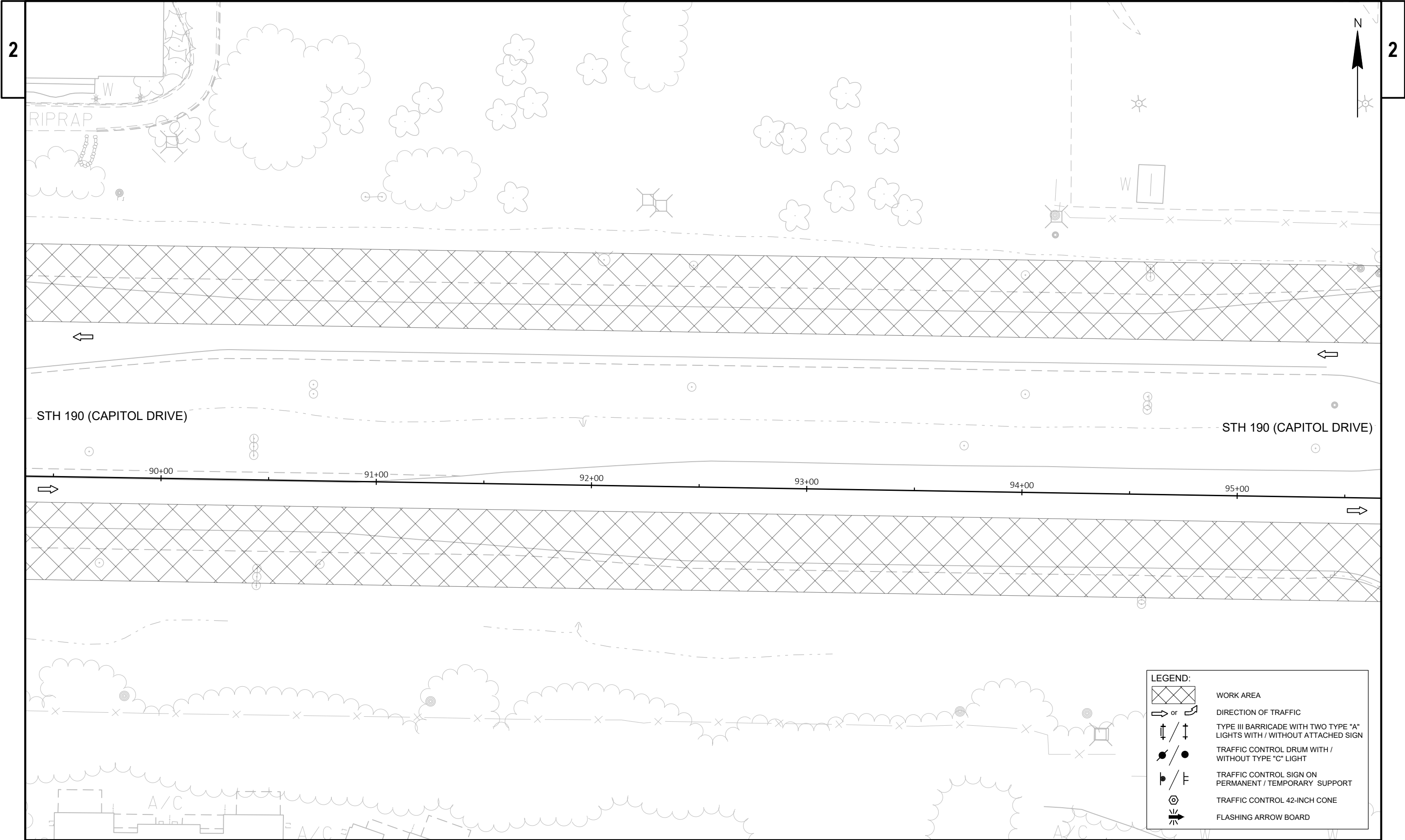
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN

TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

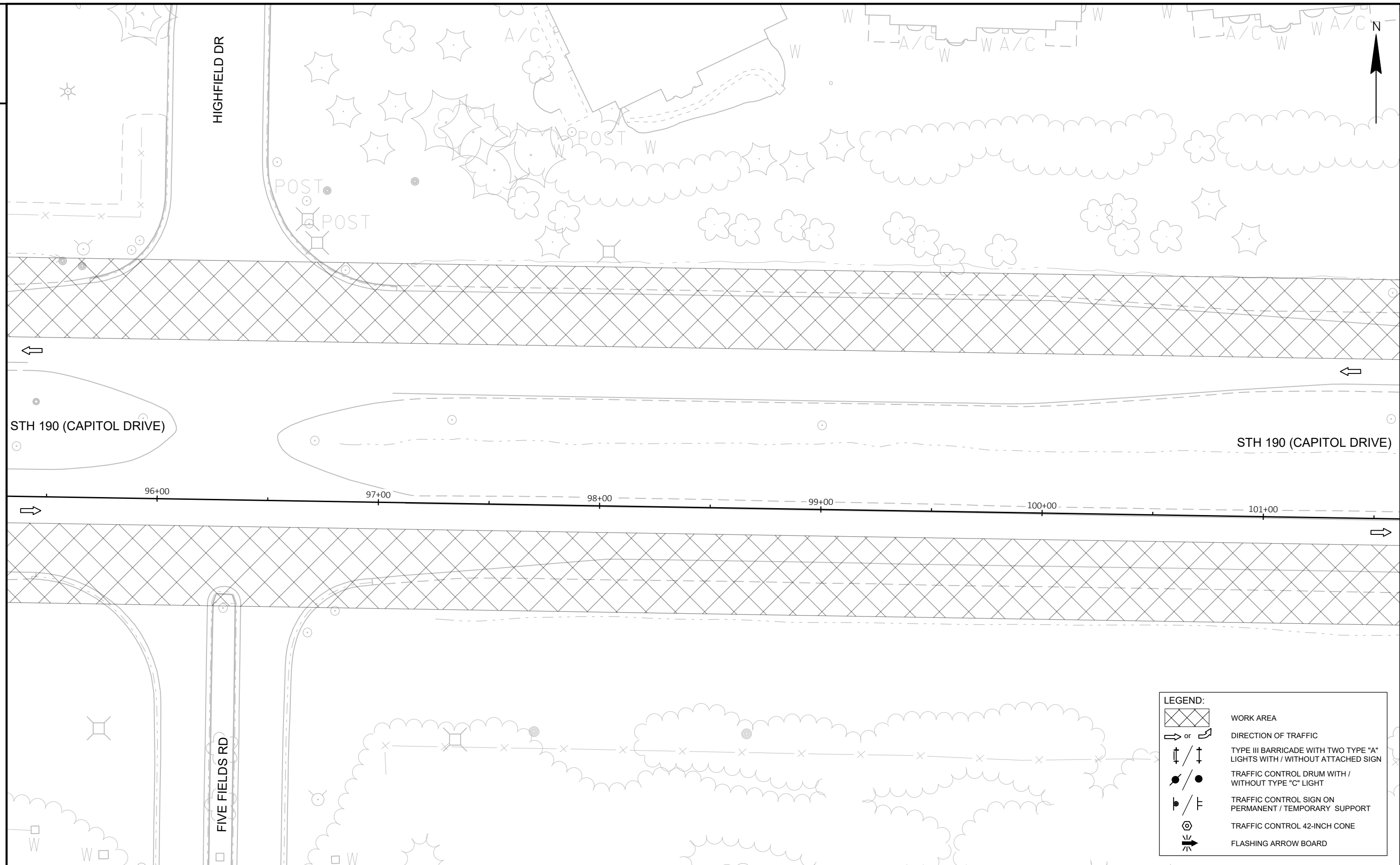
TRAFFIC CONTROL 42-INCH CONE

FLASHING ARROW BOARD

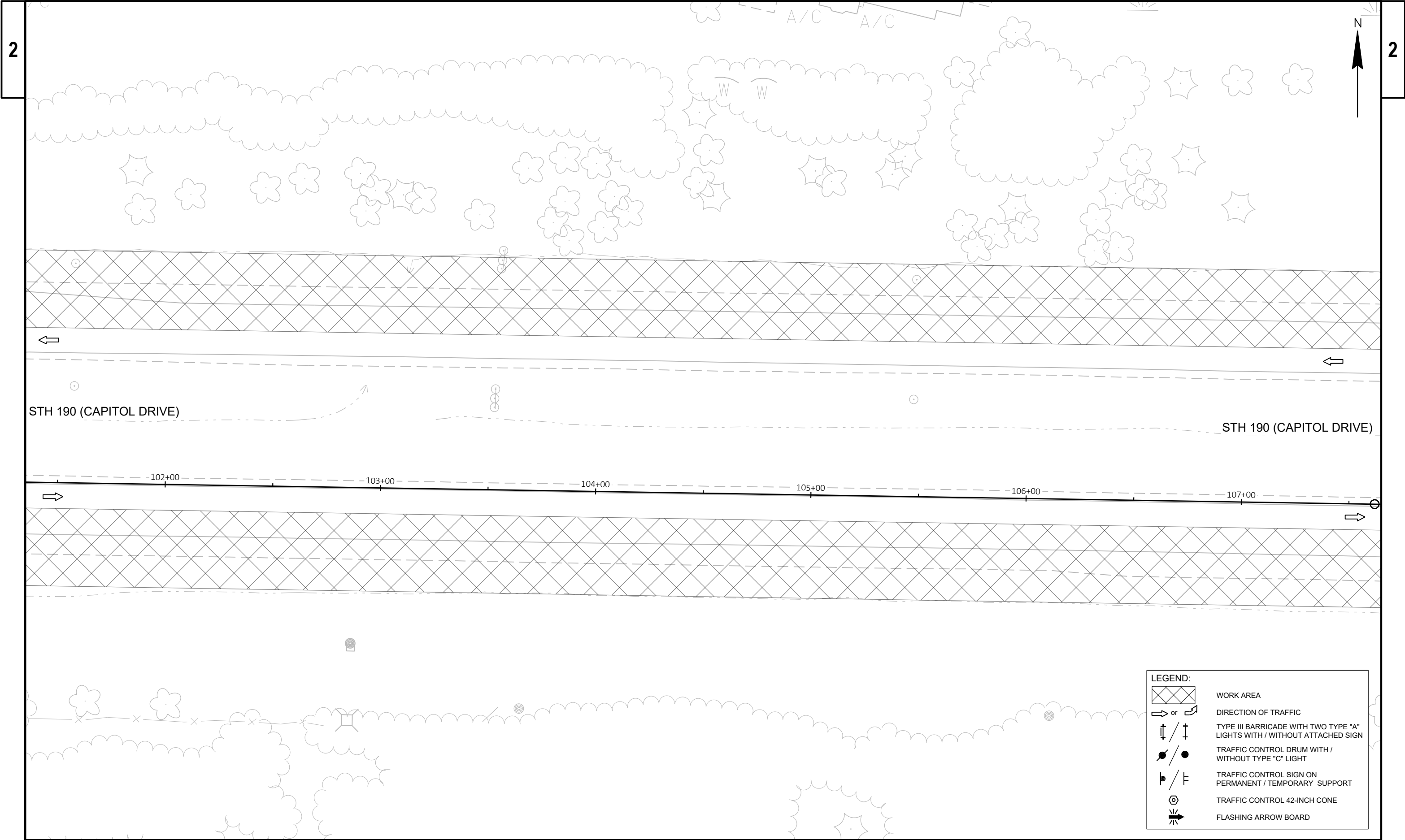


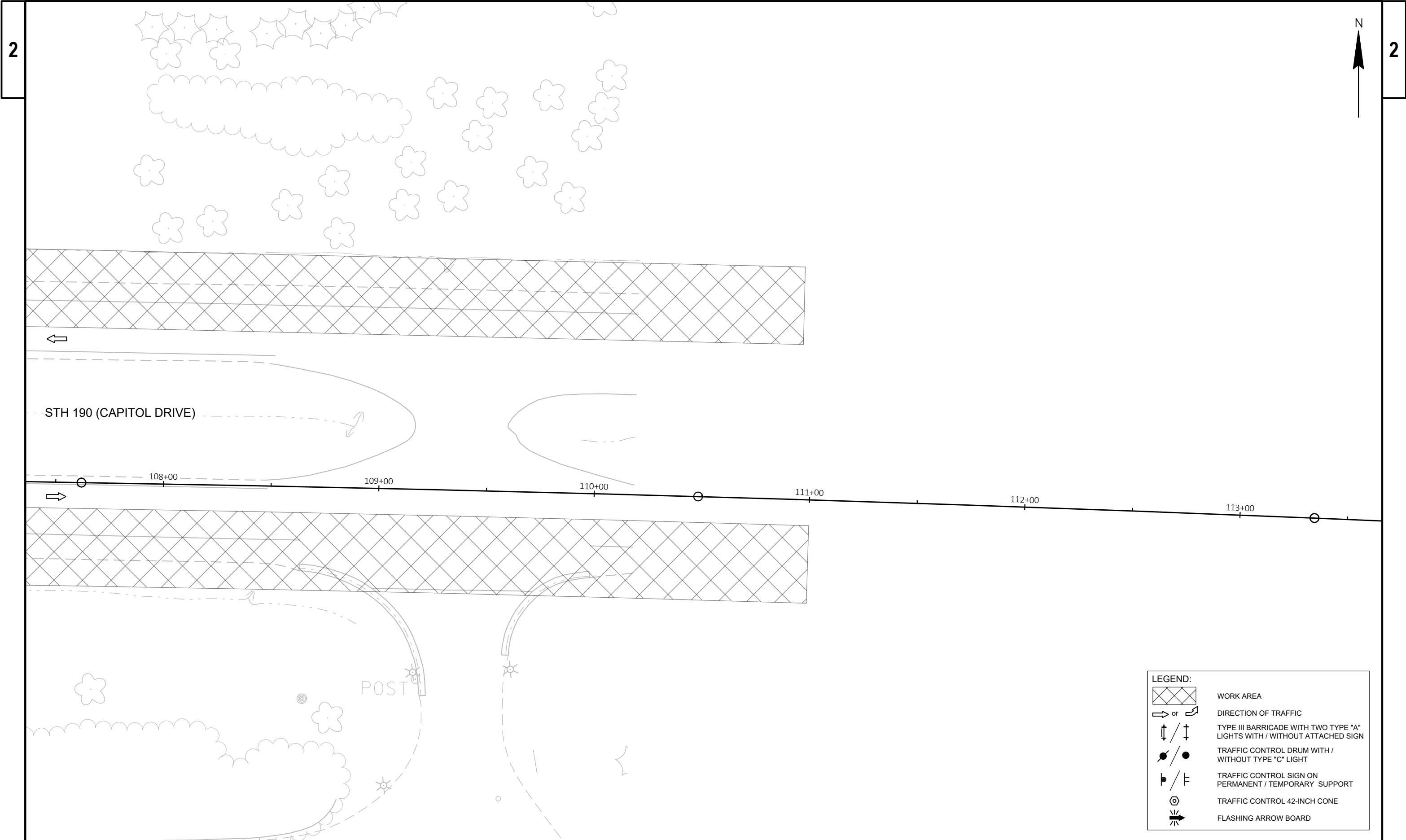
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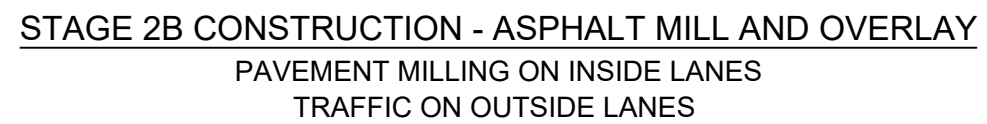
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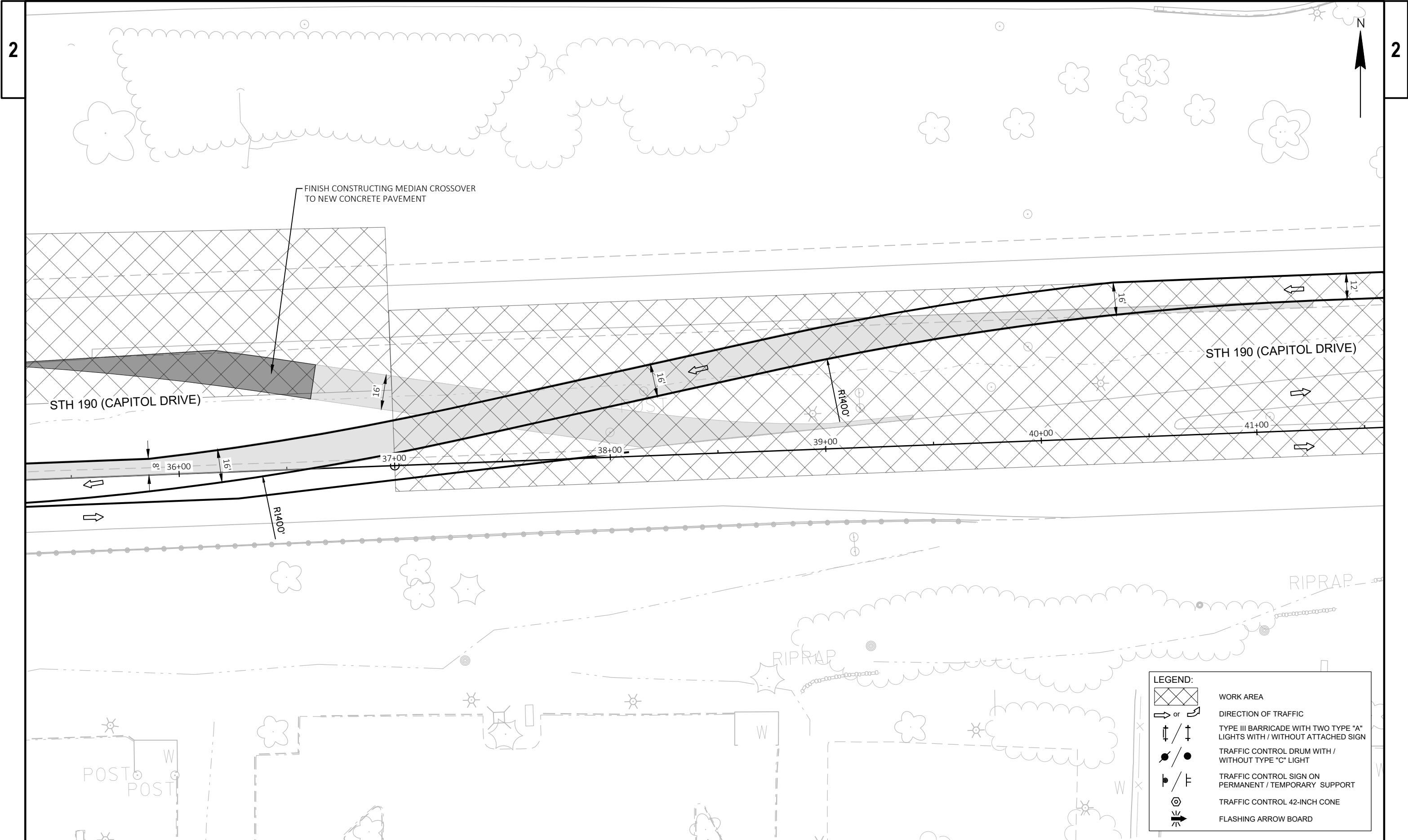


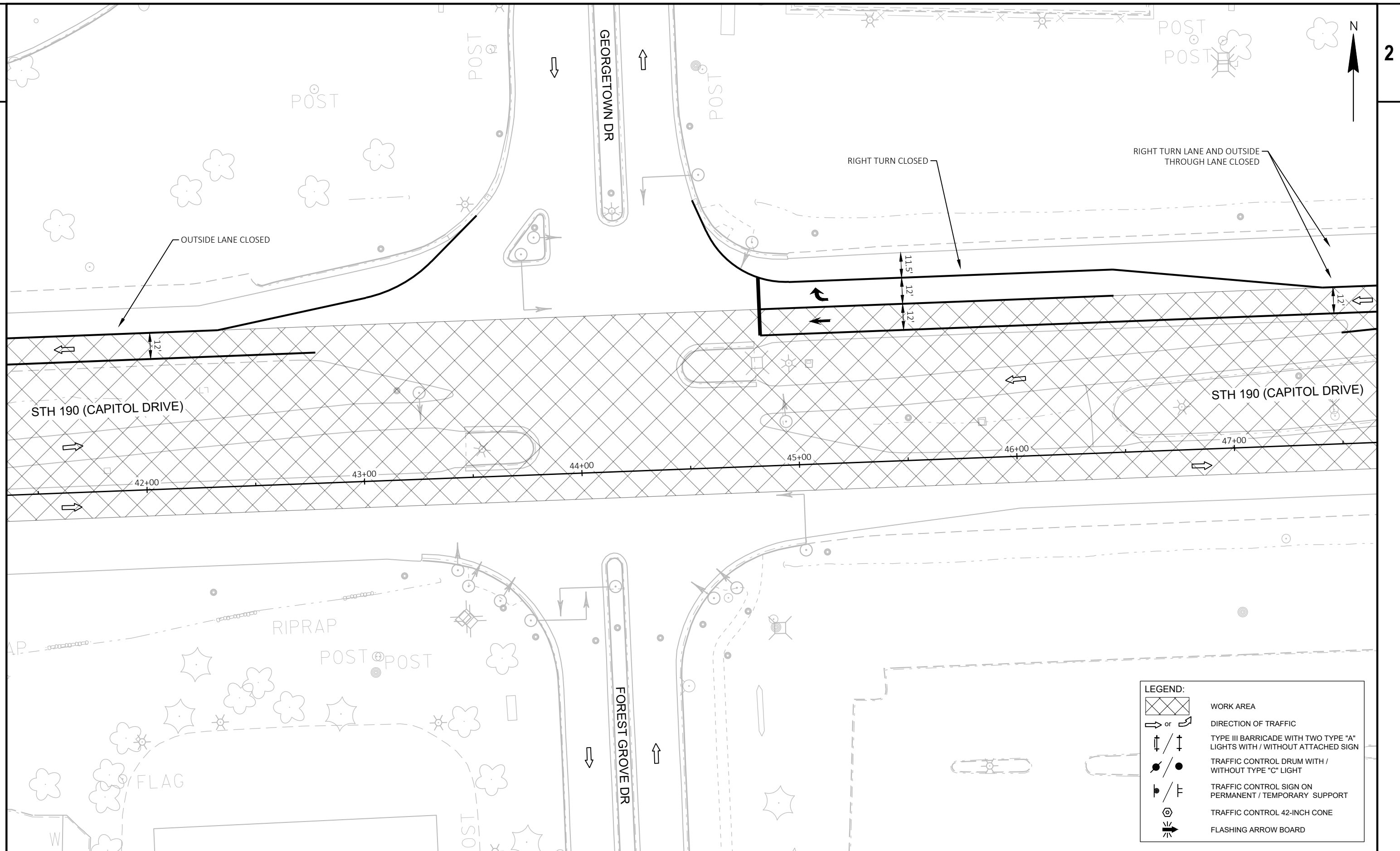
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2A	SHEET	E
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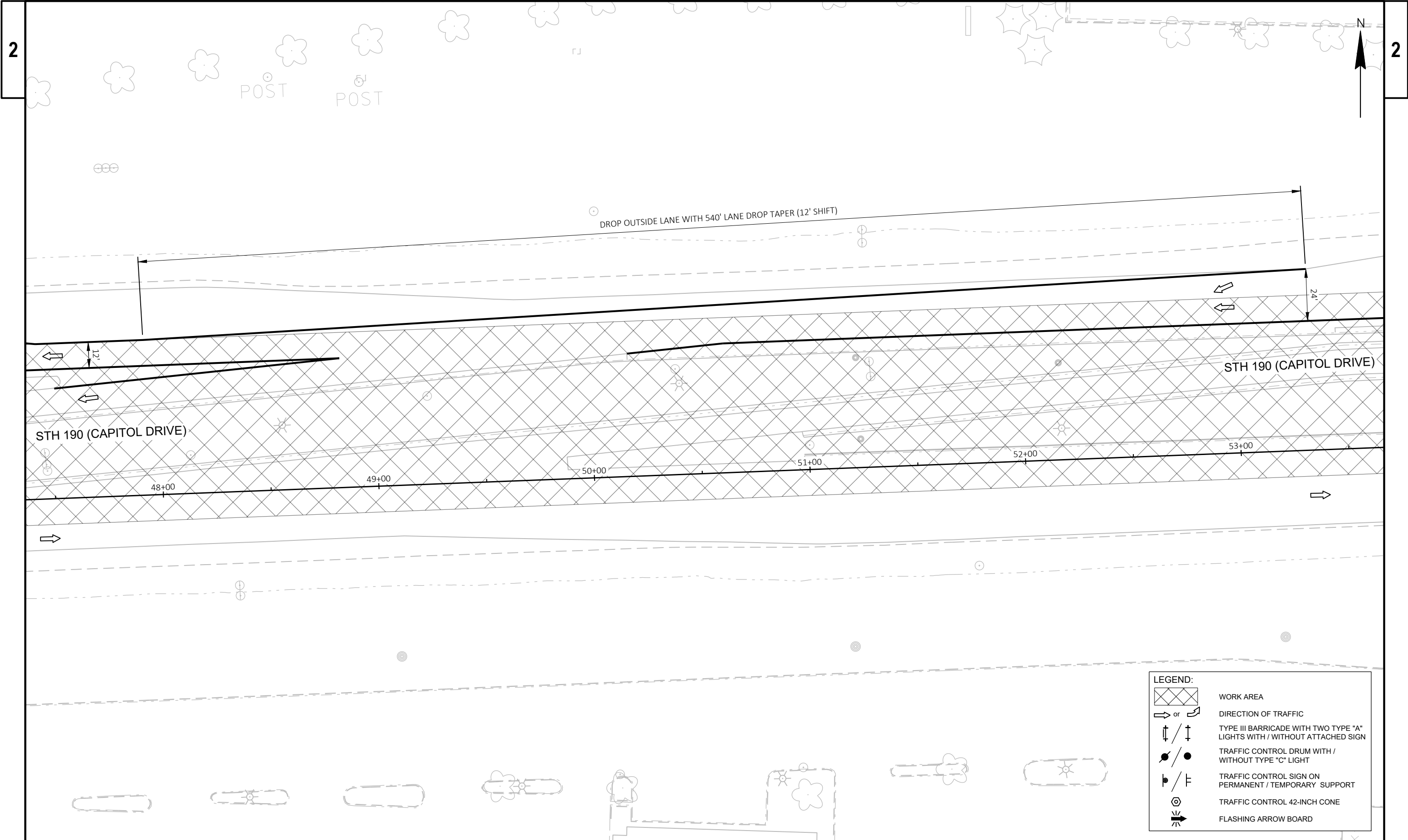


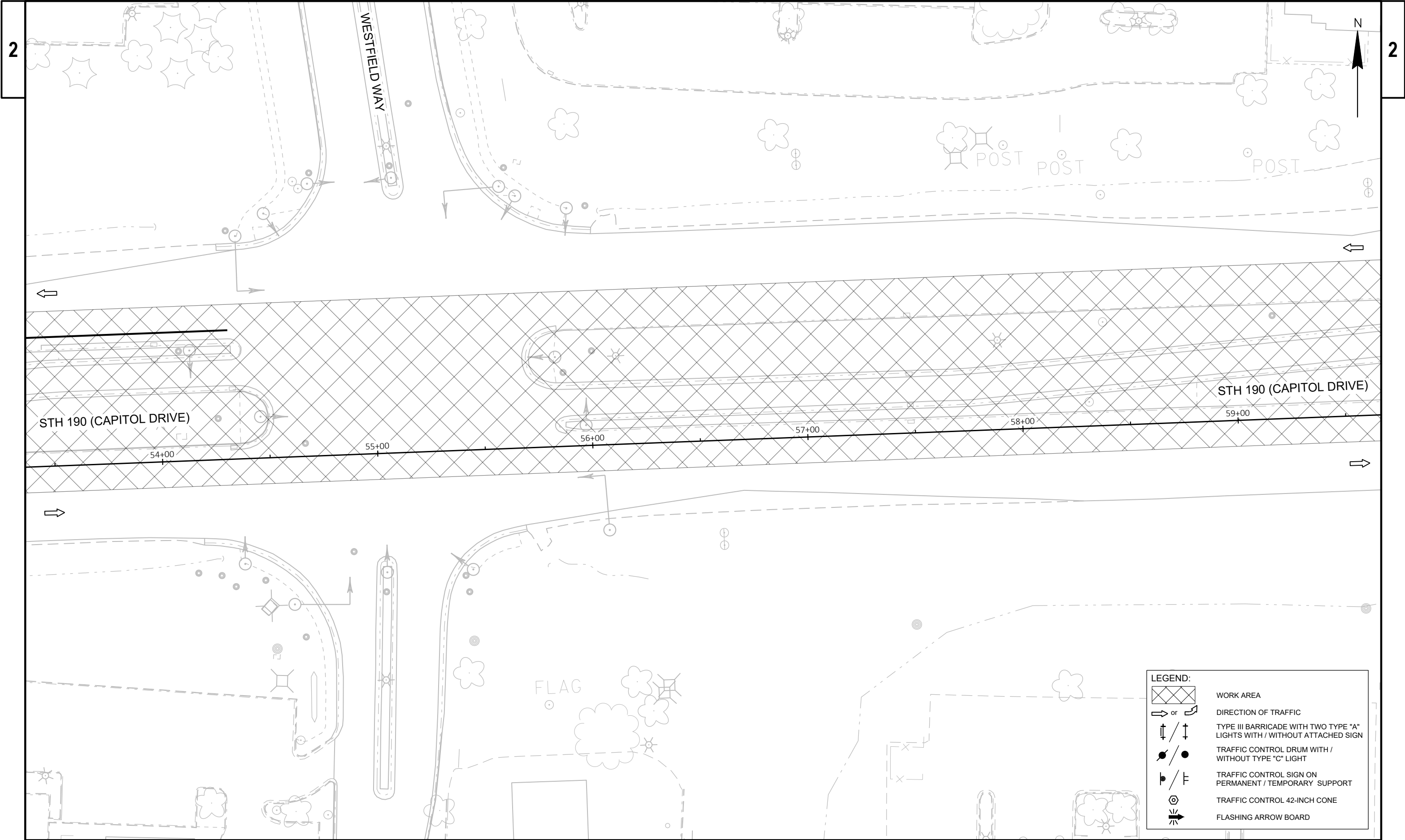






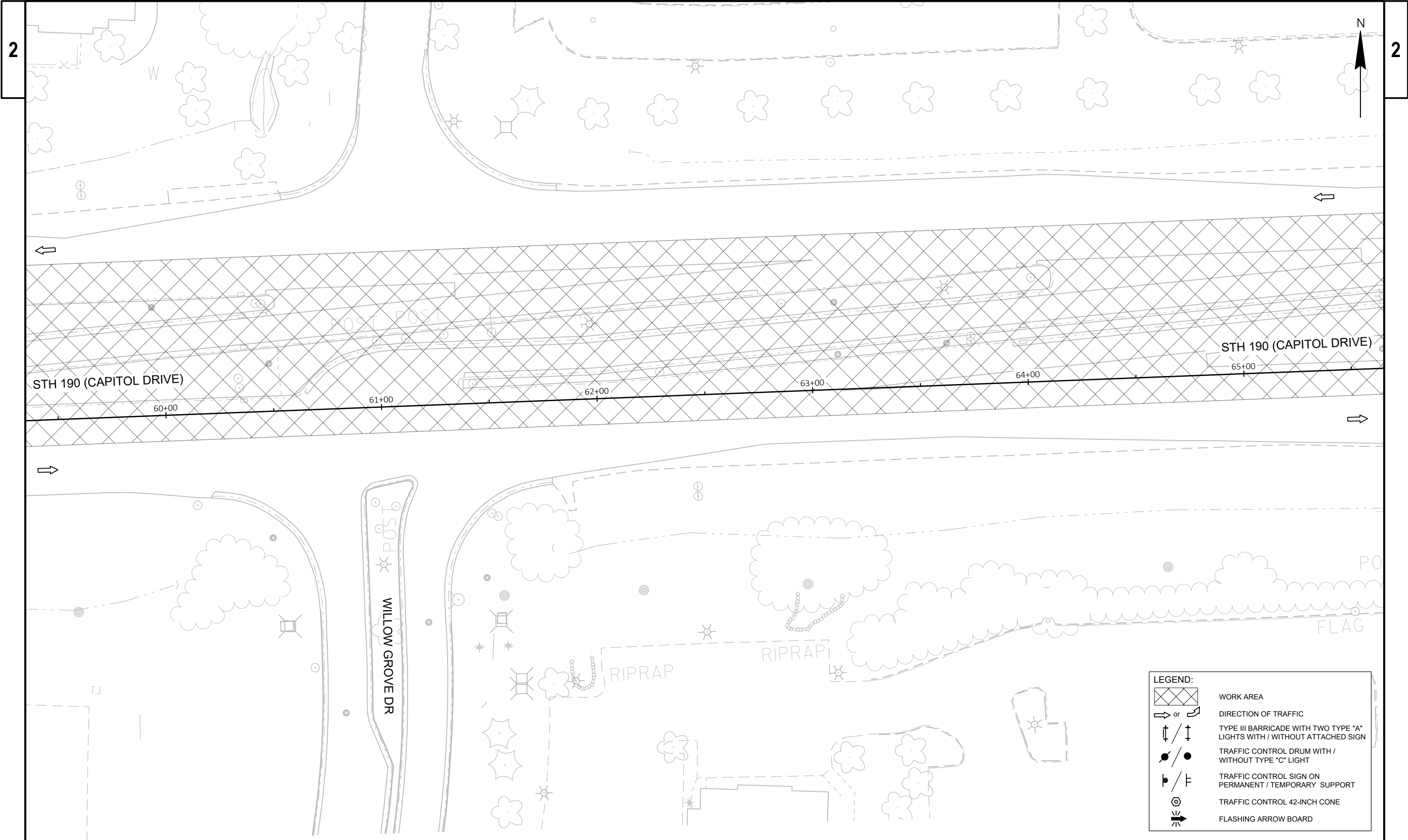






LEGEND:

	WORK AREA
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD



LEGEND:

WORK AREA

DIRECTION OF TRAFFIC

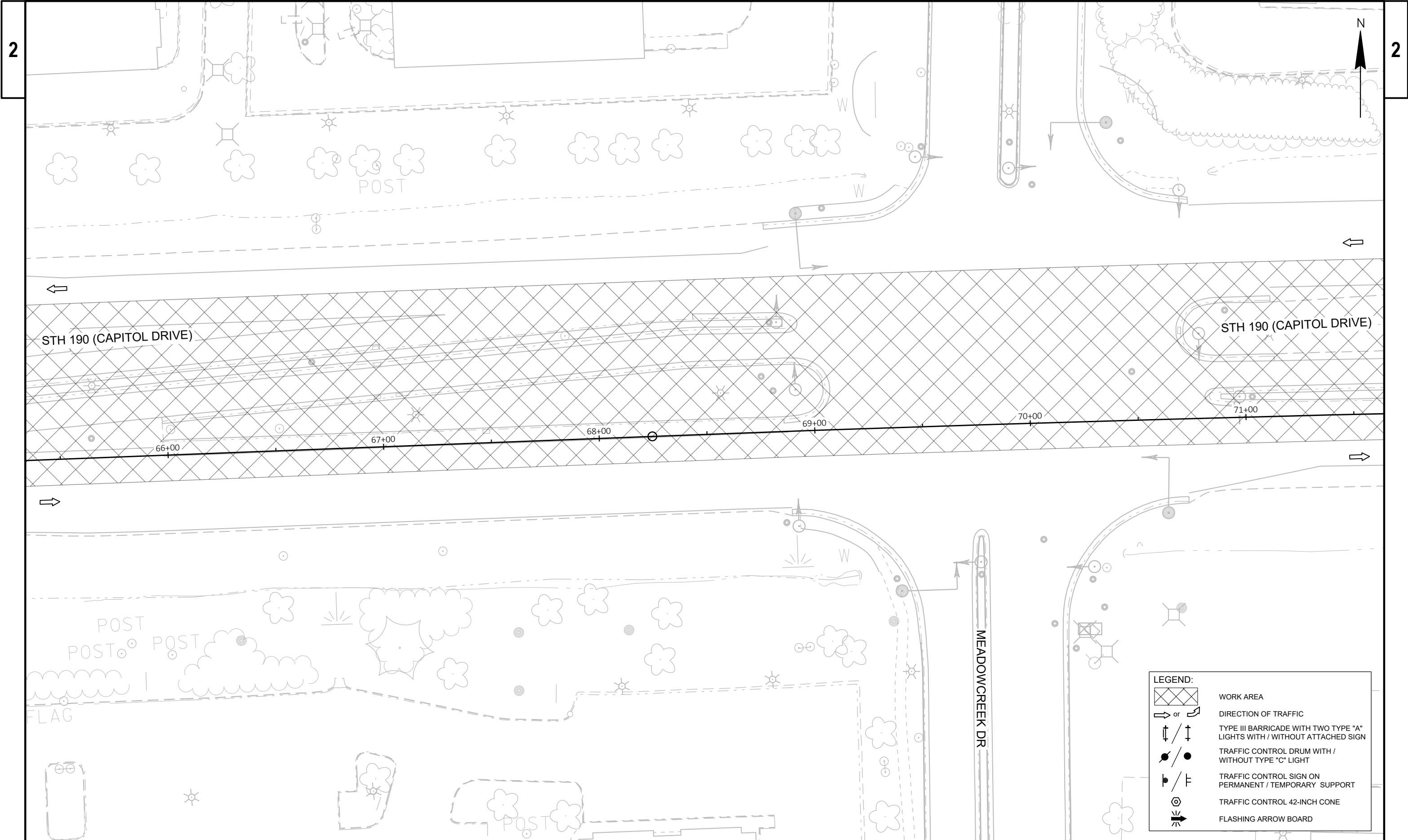
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN

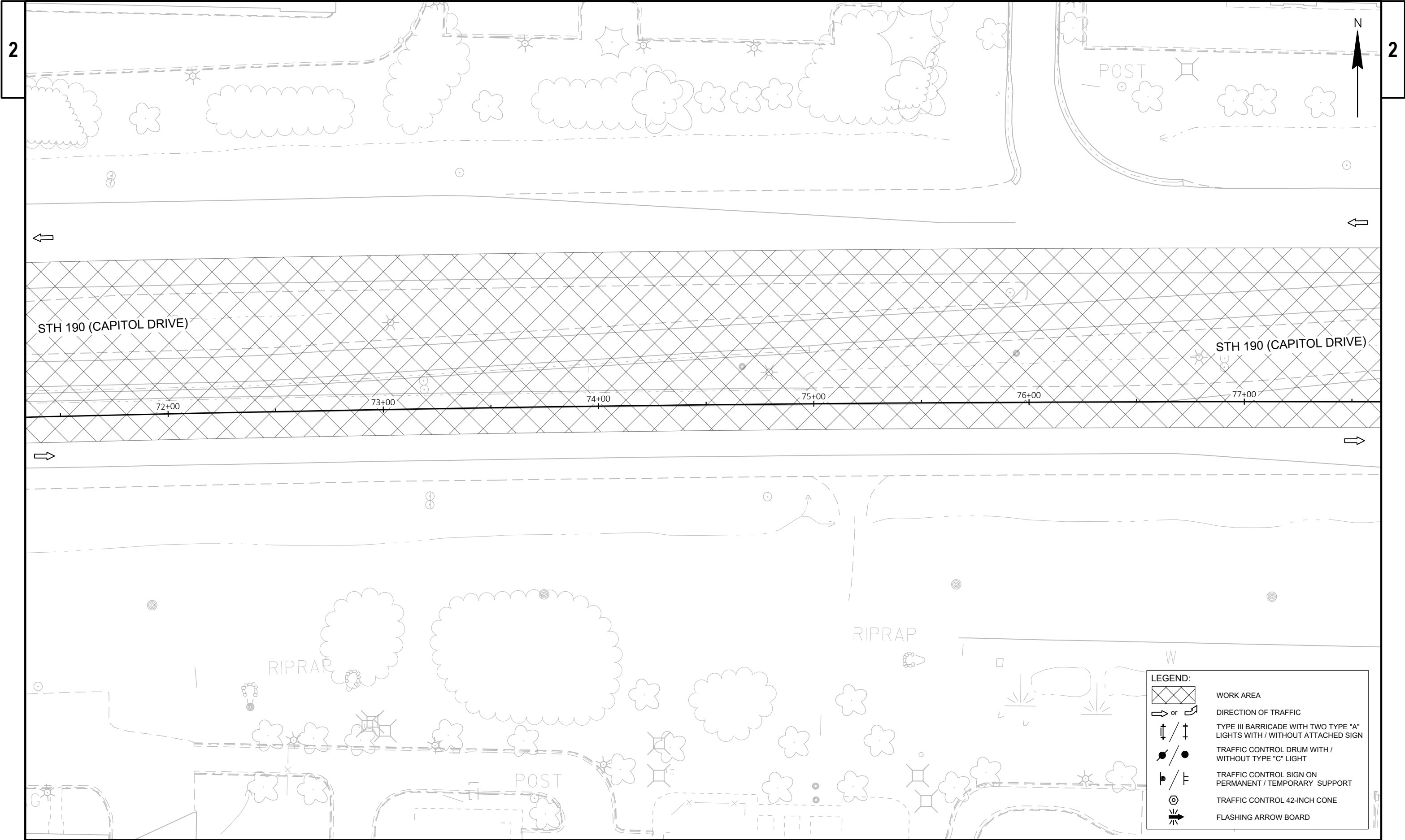
TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT

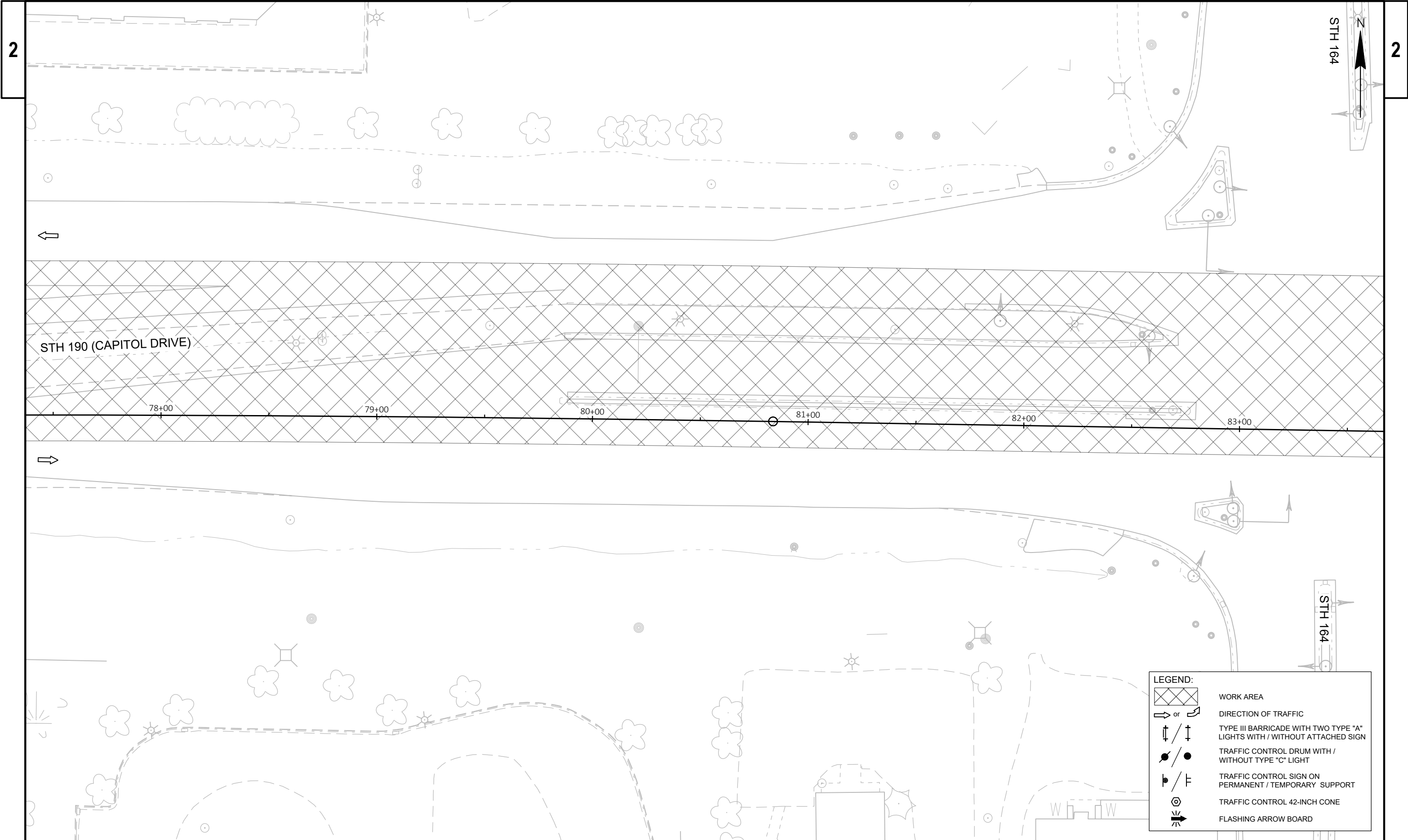
TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

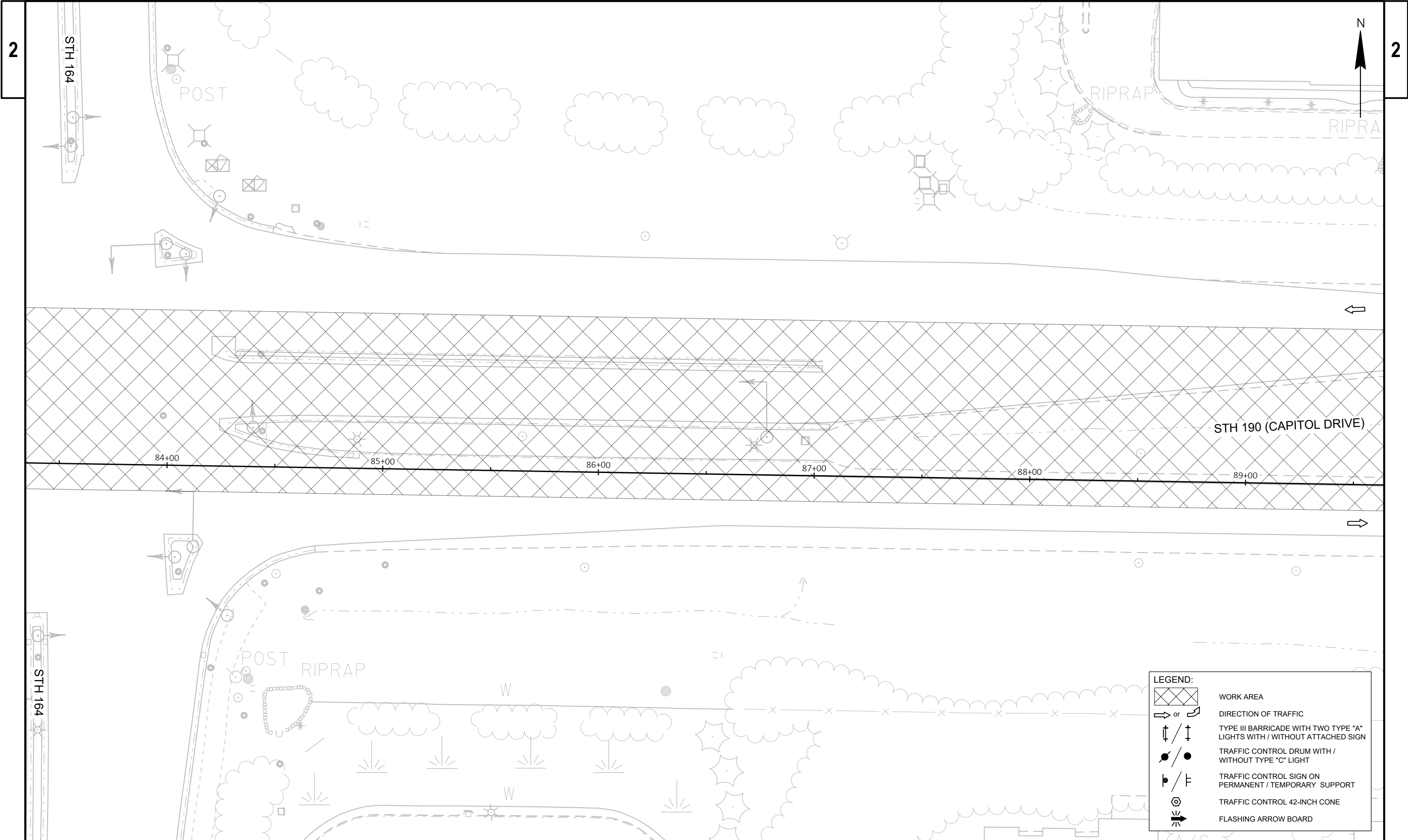
TRAFFIC CONTROL 42-INCH CONE

FLASHING ARROW BOARD









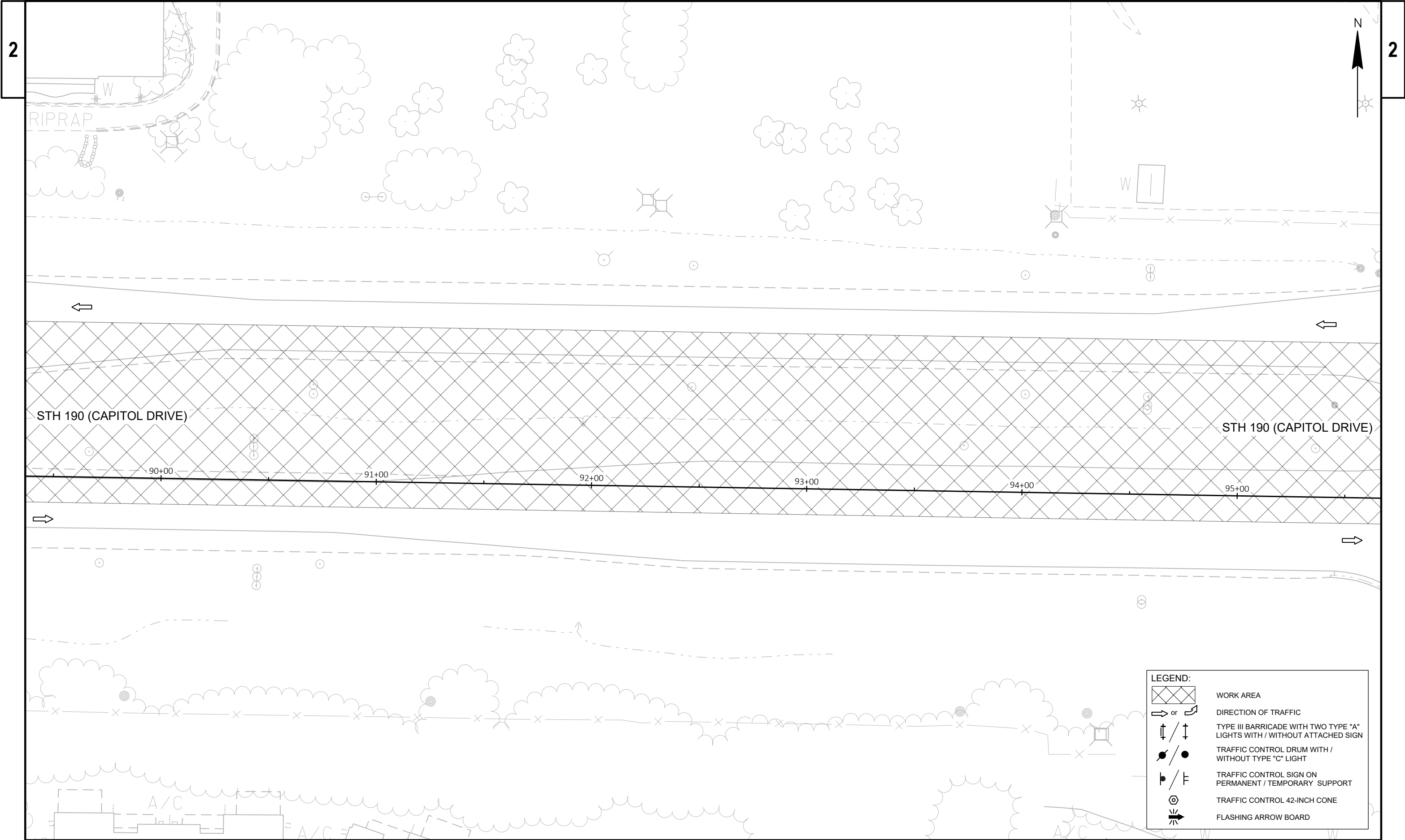
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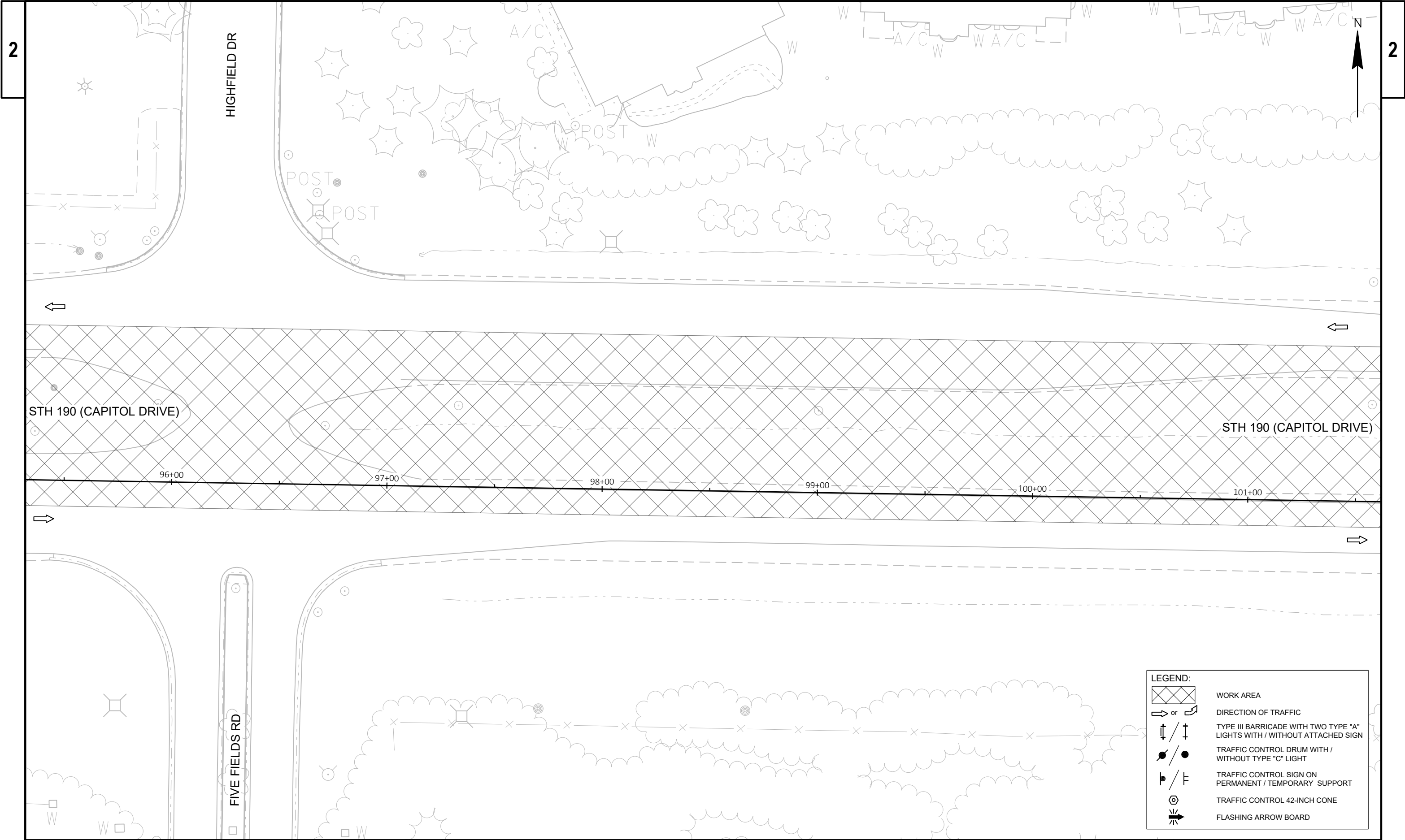
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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2B	SHEET	E
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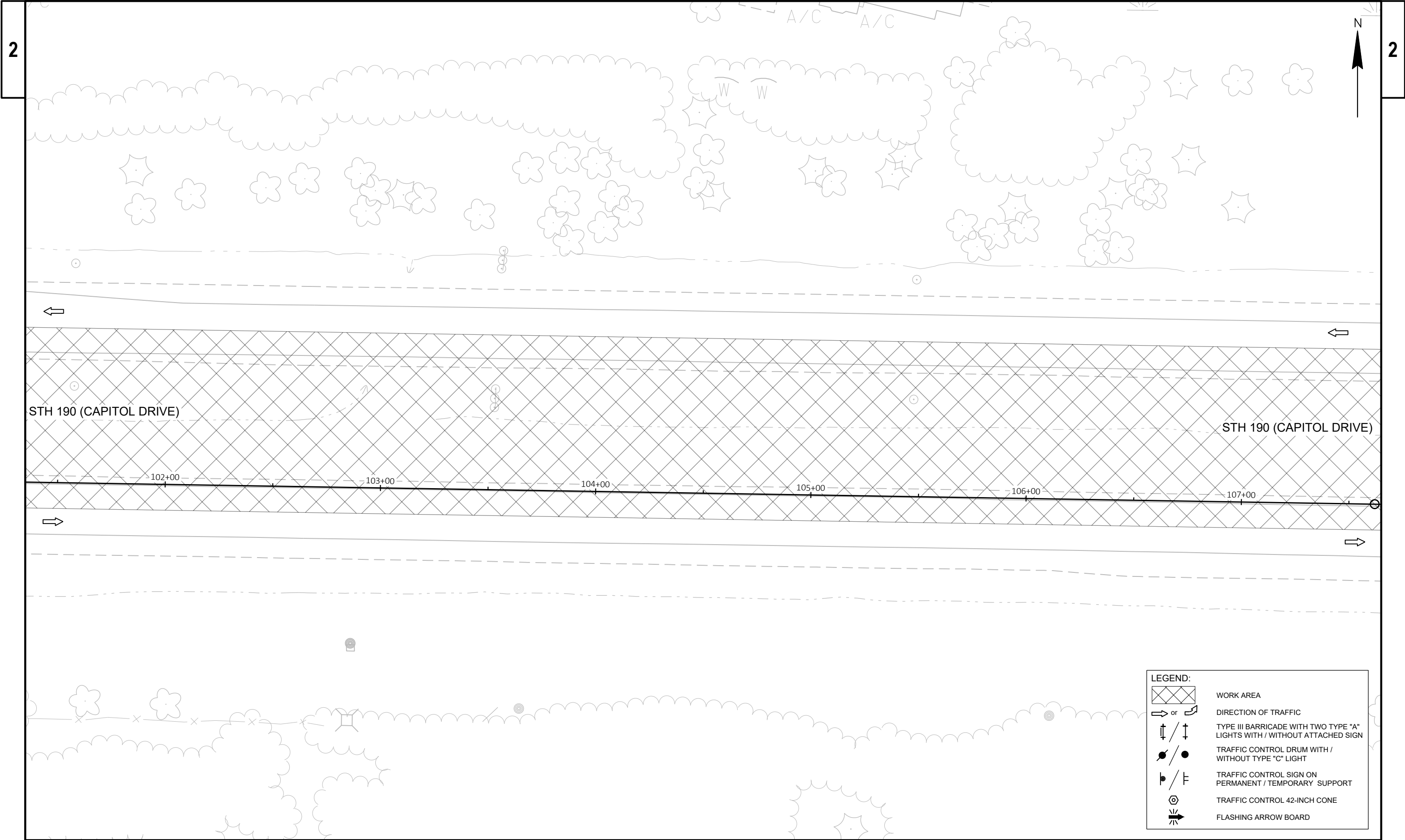
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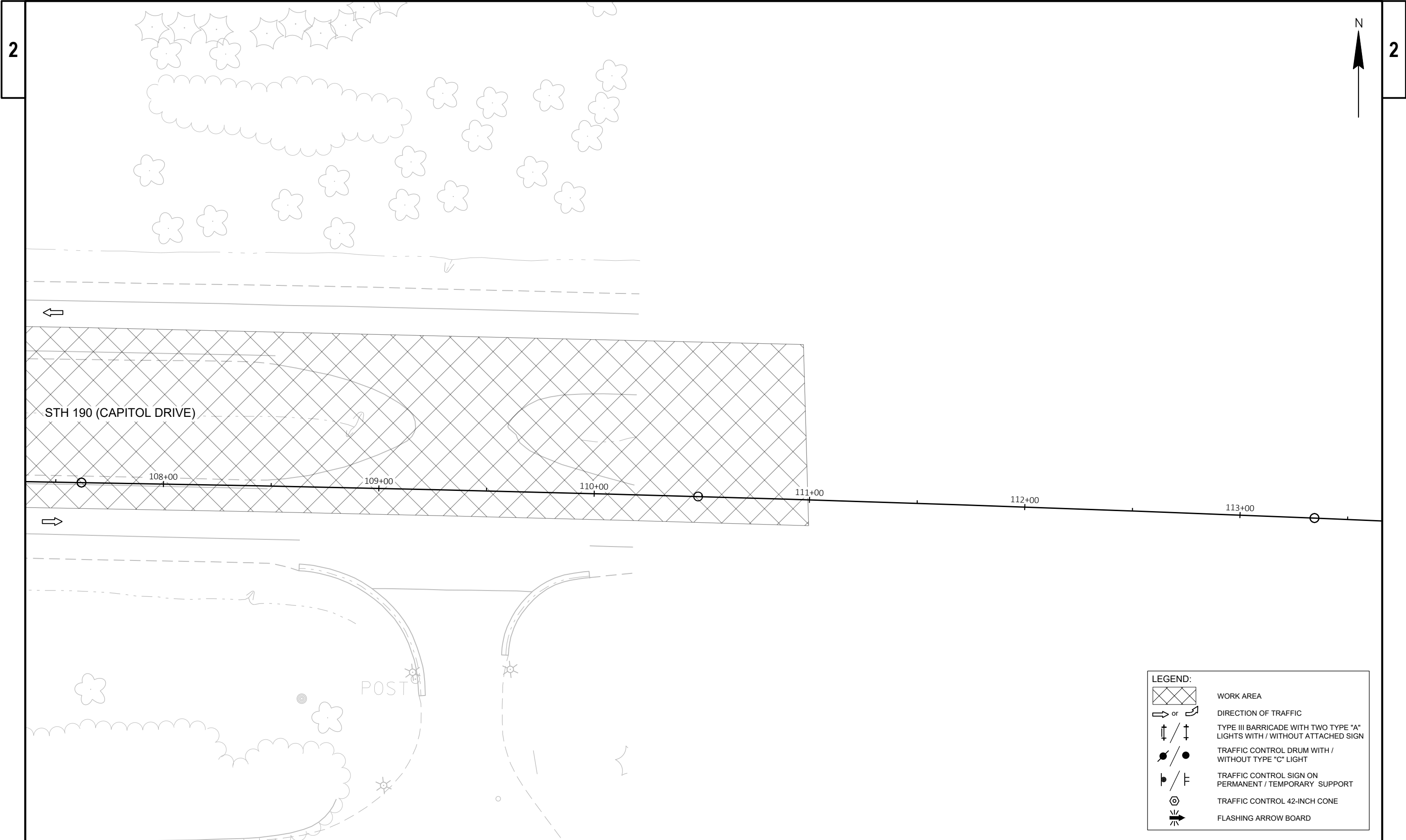
	WORK AREA
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD

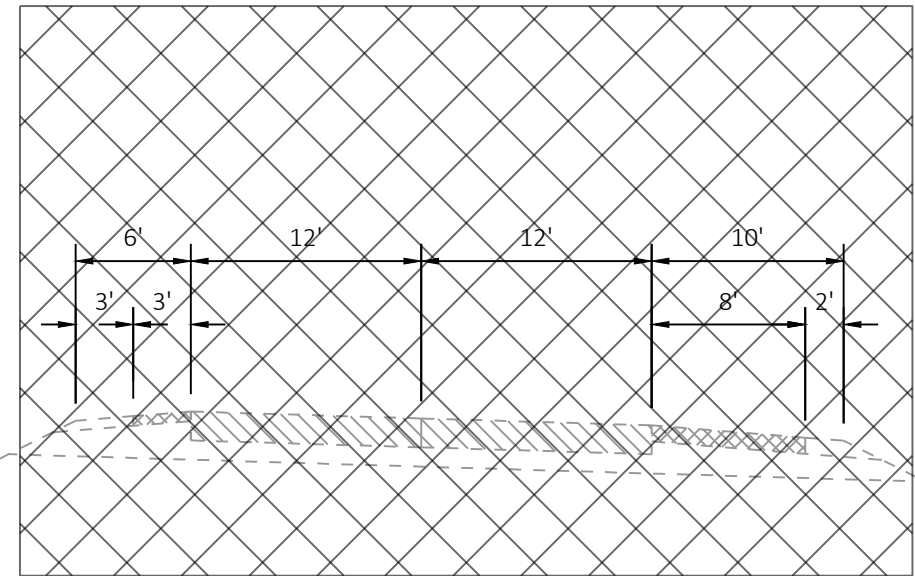
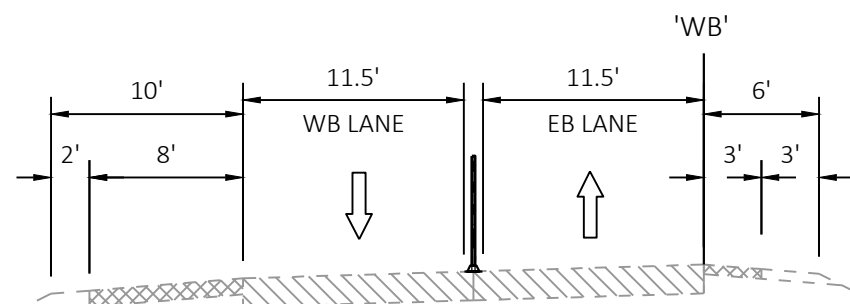




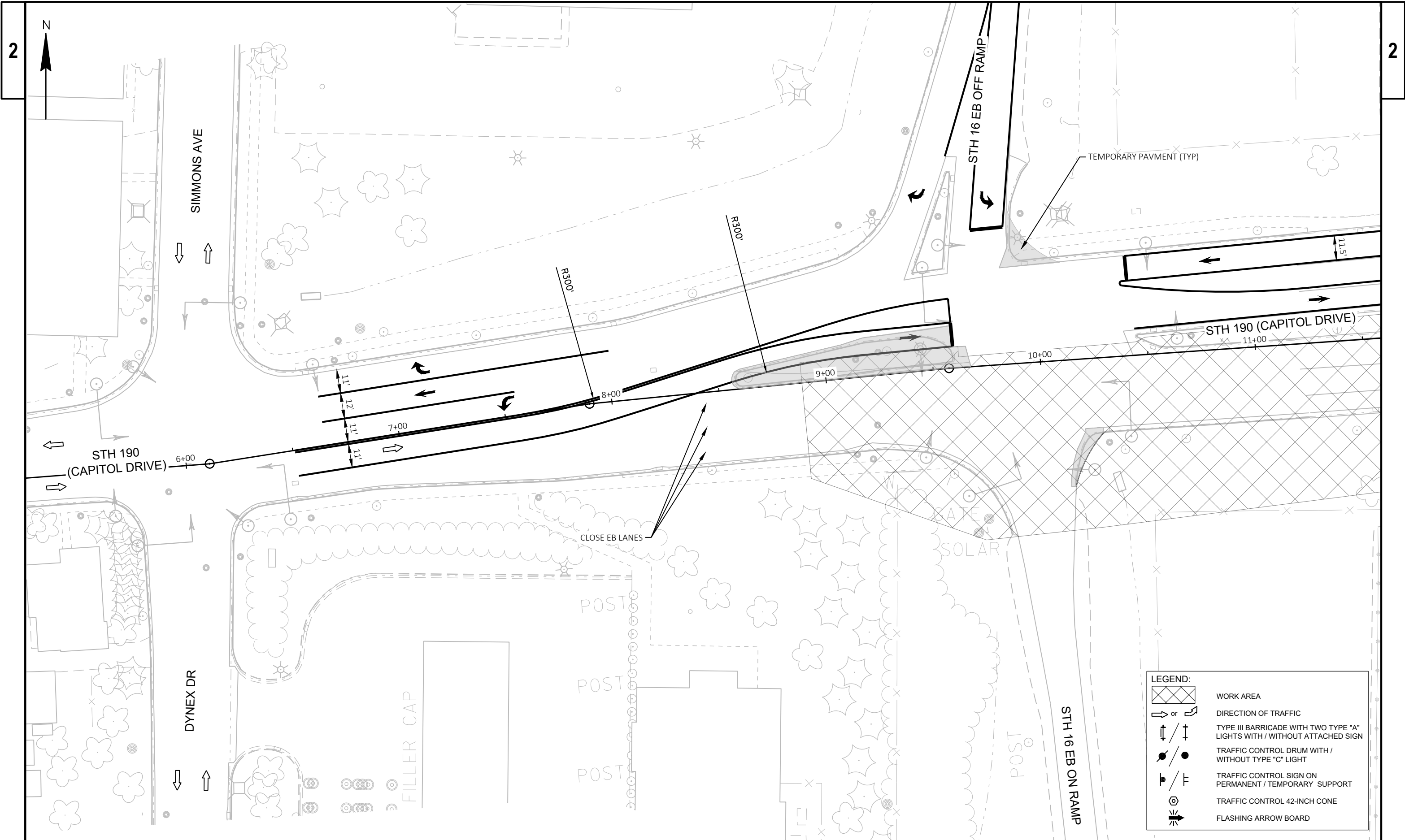
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 2B	SHEET	E
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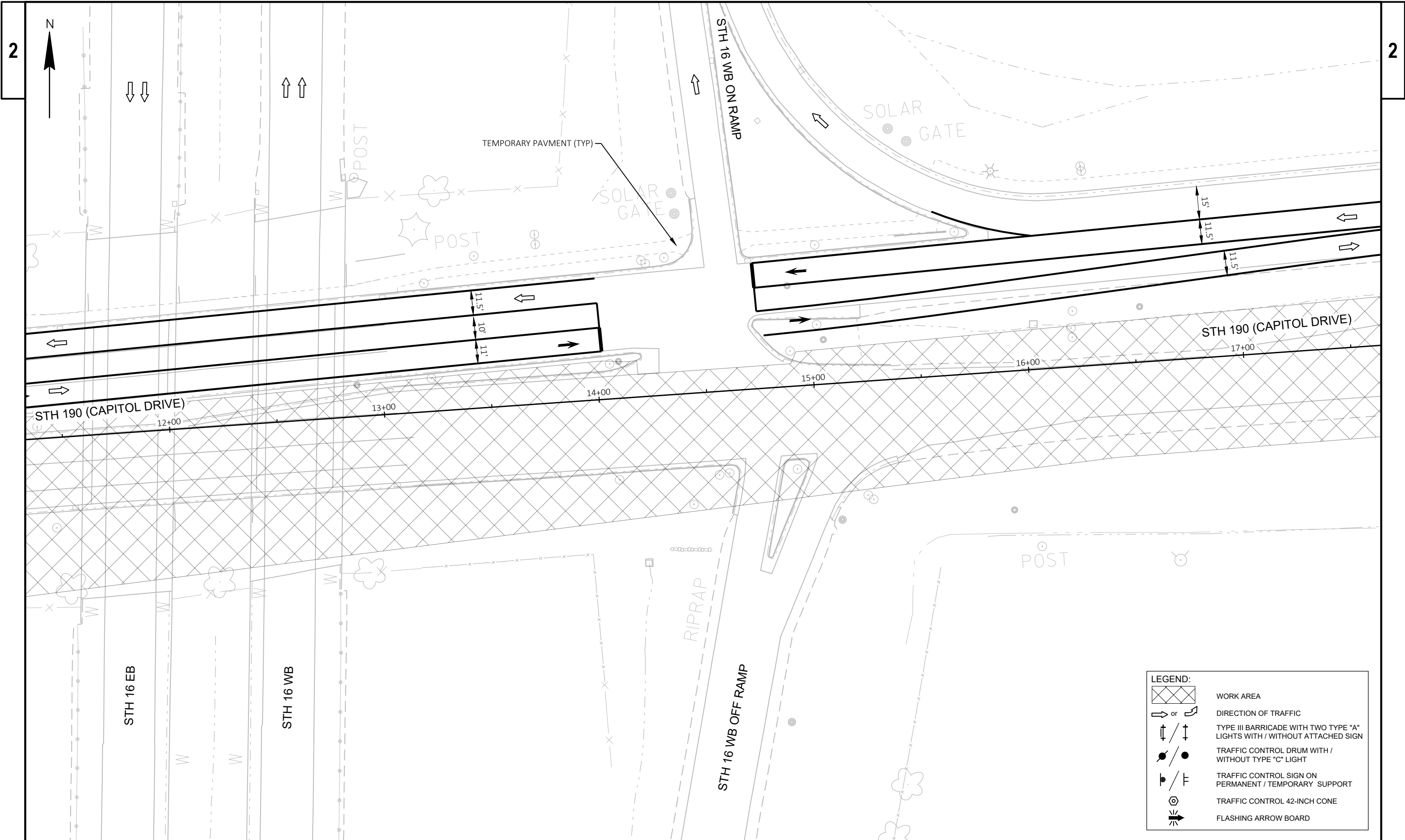


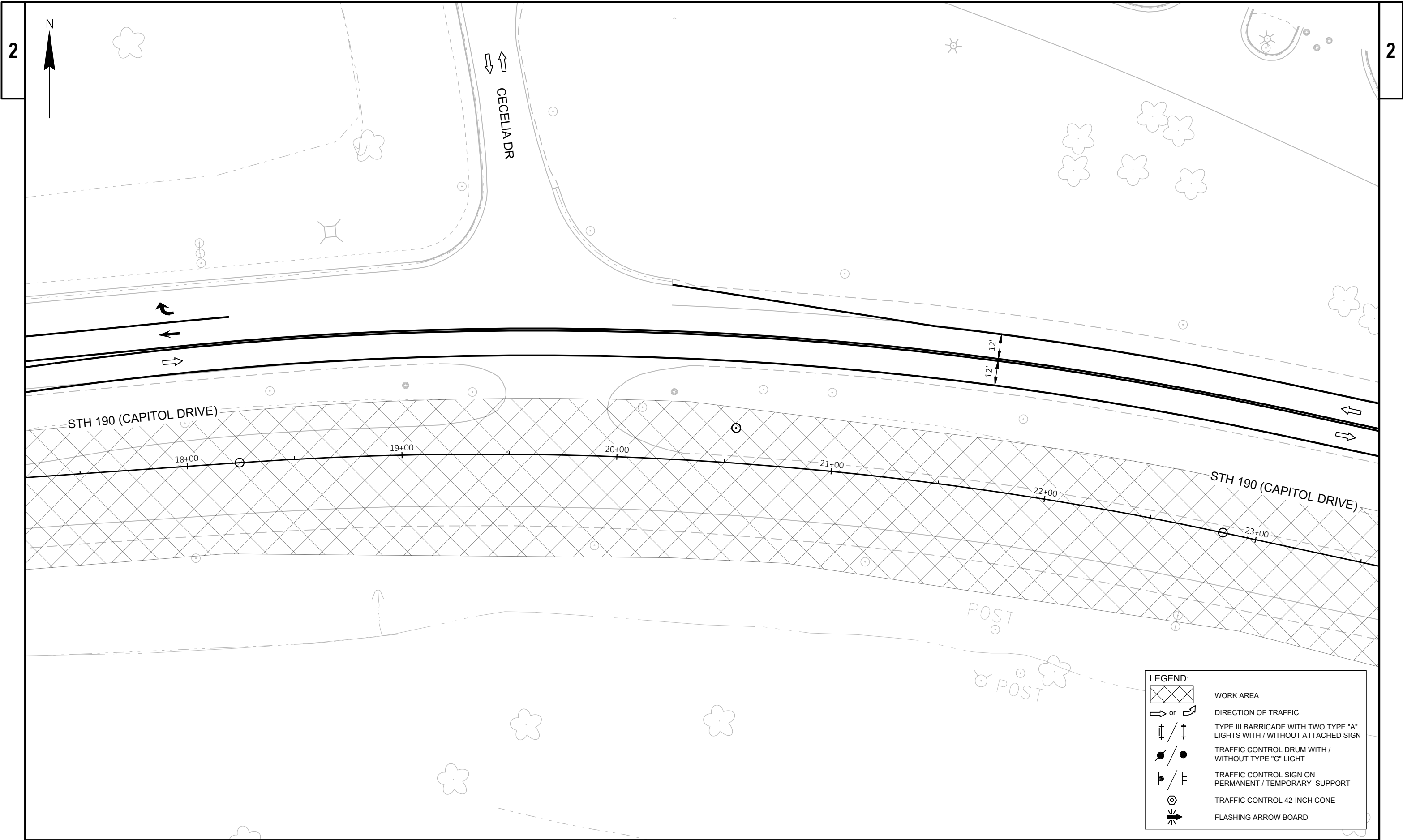


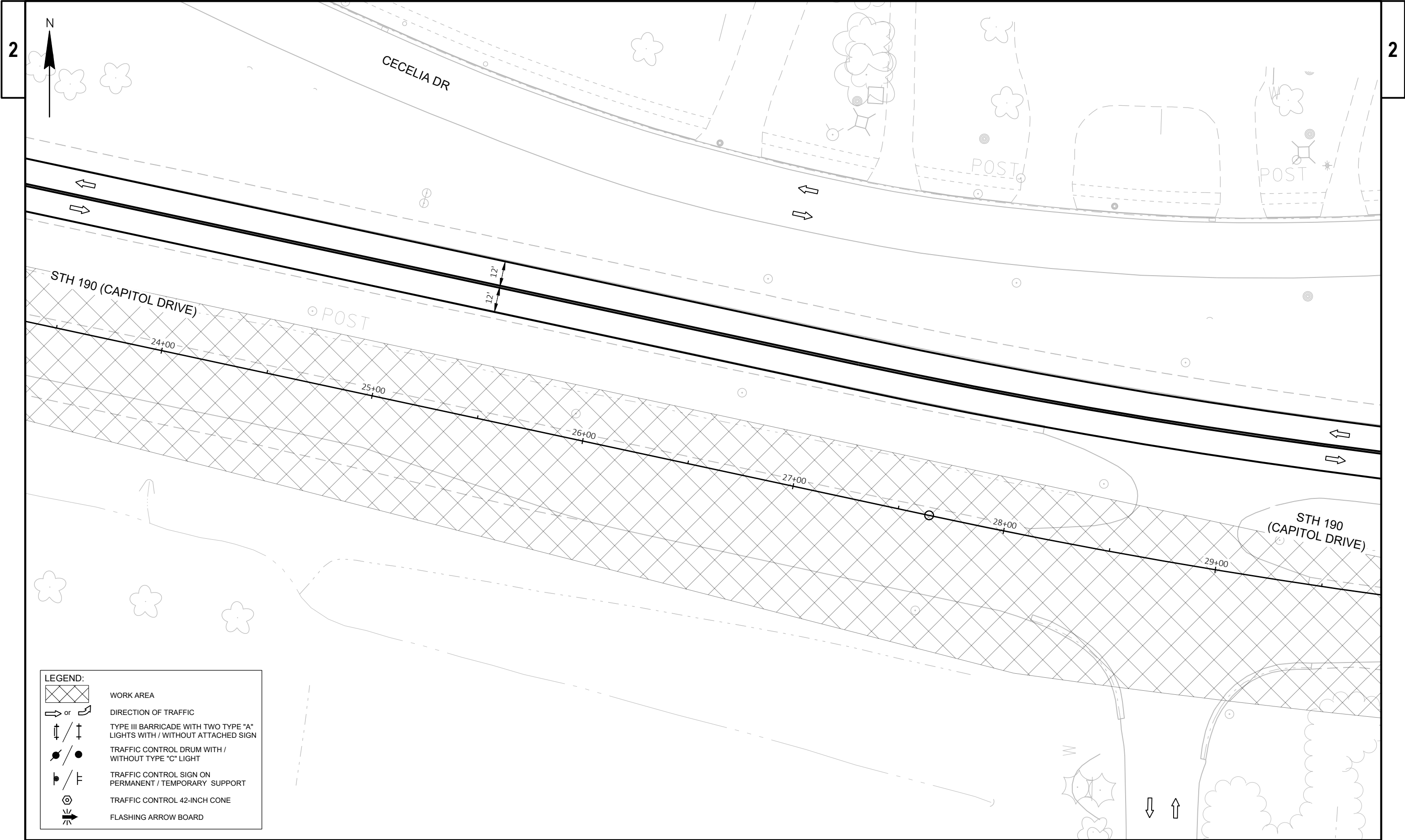


STAGE 3 CONSTRUCTION - CONCRETE REPLACEMENT
PAVEMENT REPLACEMENT ON EB LANES
BI-DIRECTIONAL TRAFFIC ON WB LANES



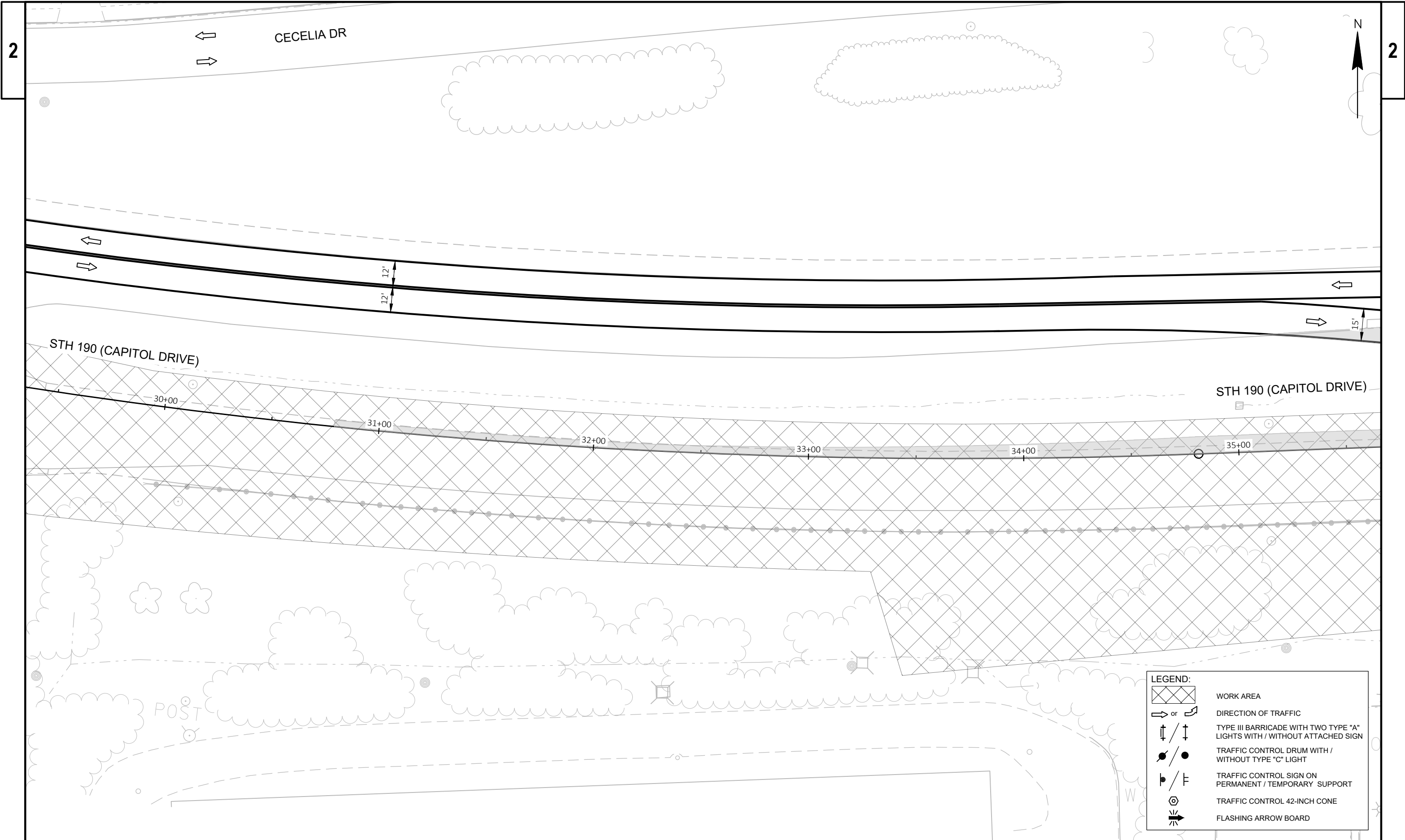




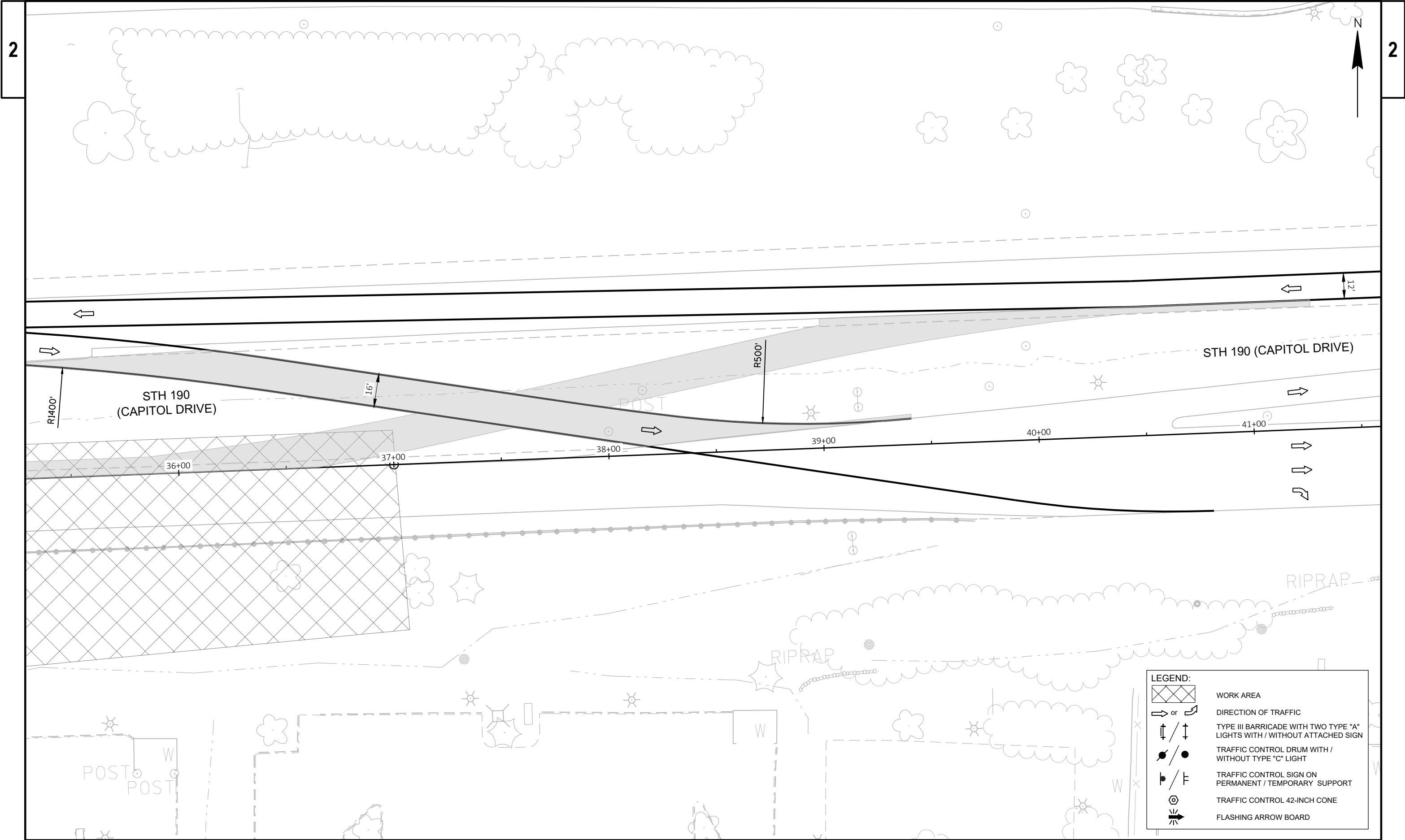


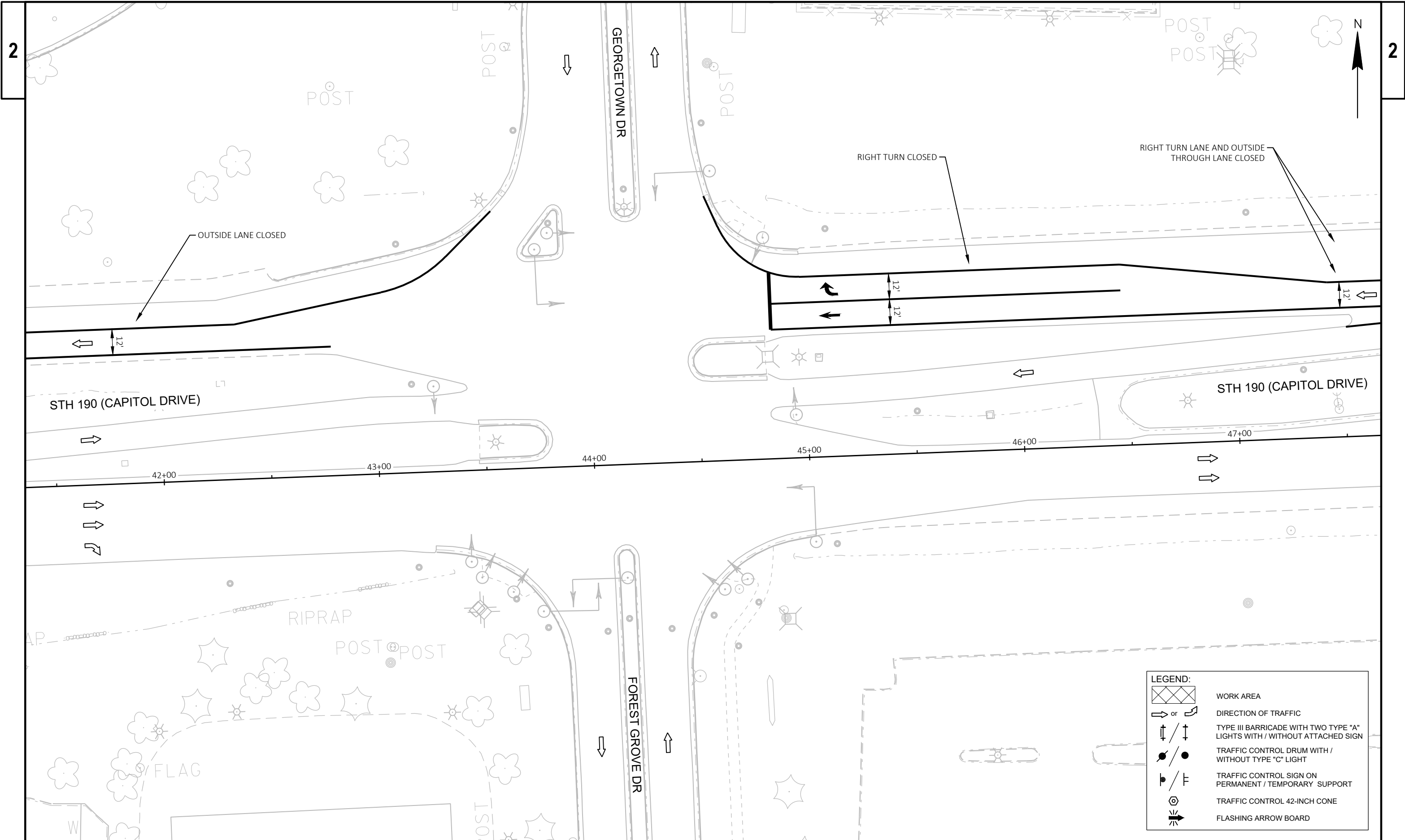
LEGEND:

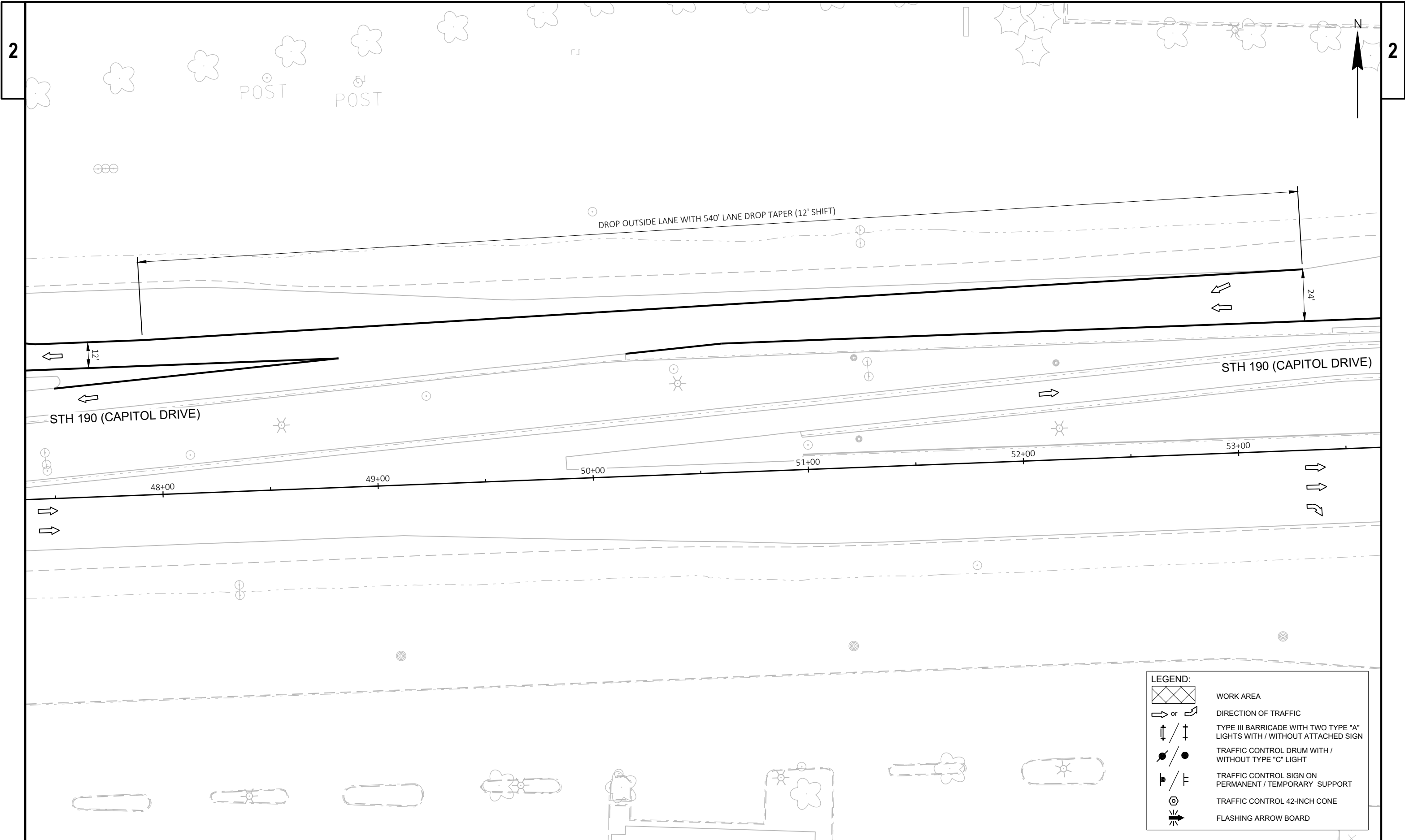
	WORK AREA
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD



PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 3	SHEET	E
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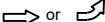


PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CONSTRUCTION STAGING - STAGE 3	SHEET	E
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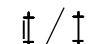
LEGEND:



WORK AREA



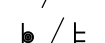
DIRECTION OF TRAFFIC



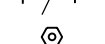
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN



TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT



TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT

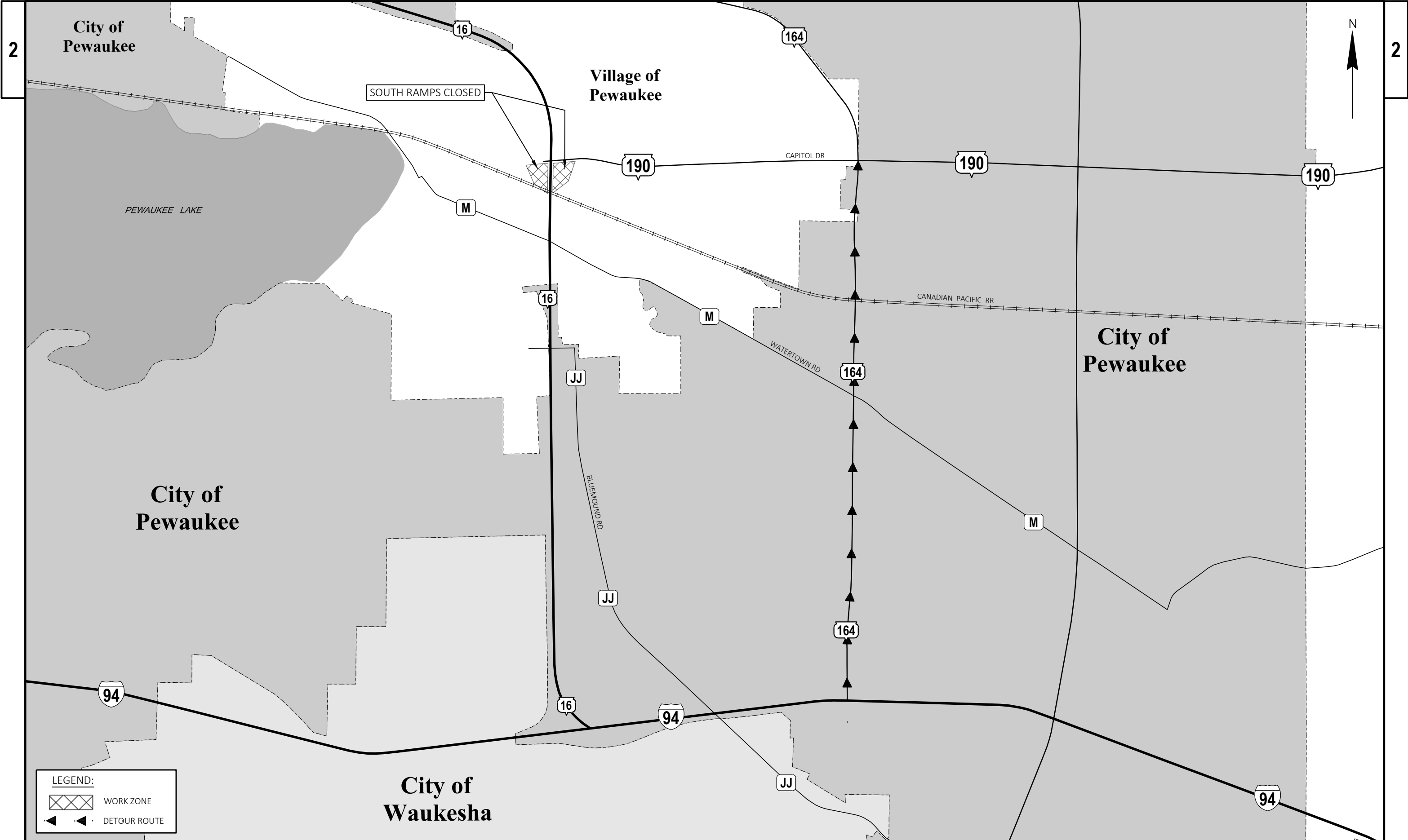


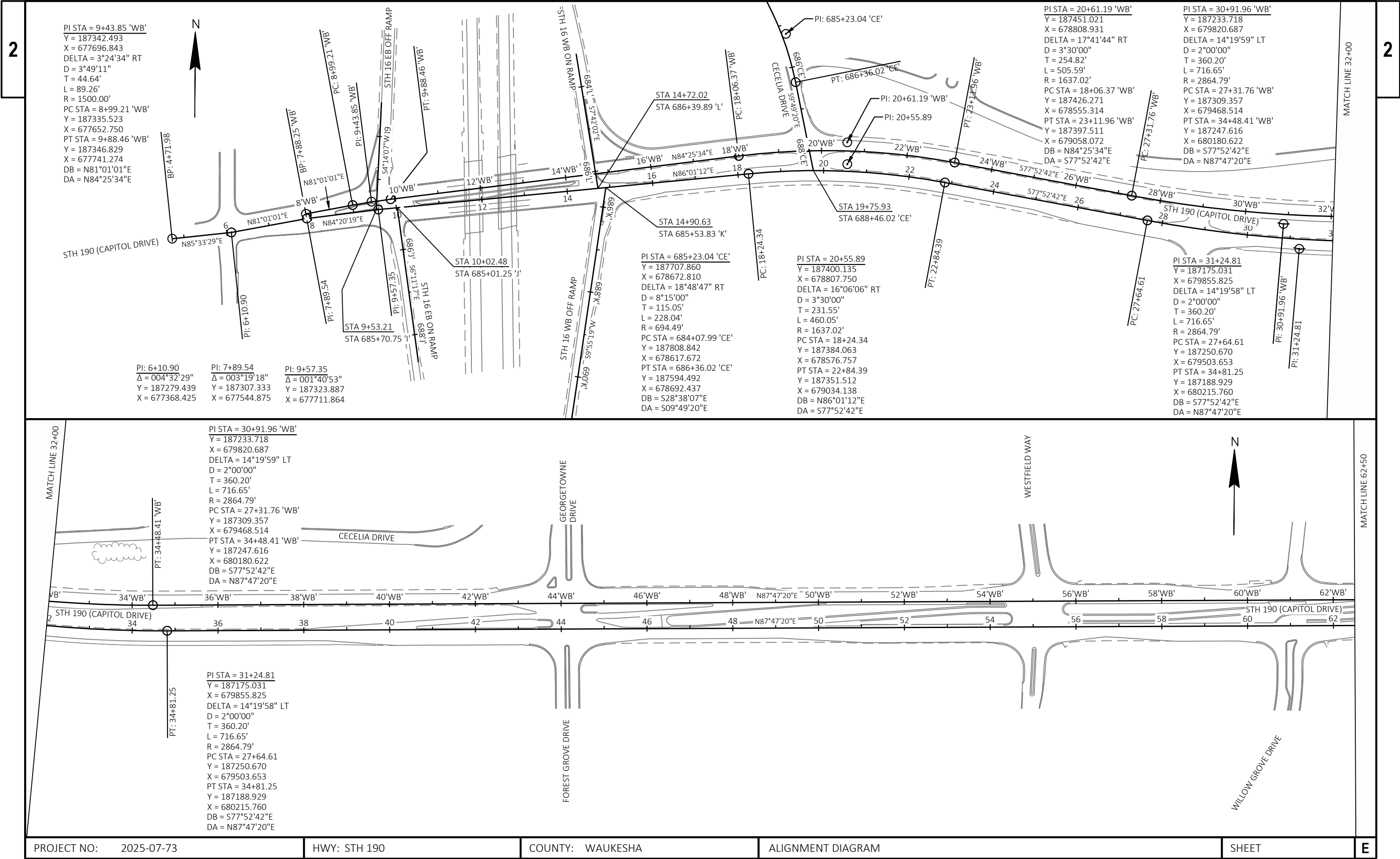
TRAFFIC CONTROL 42-INCH CONE

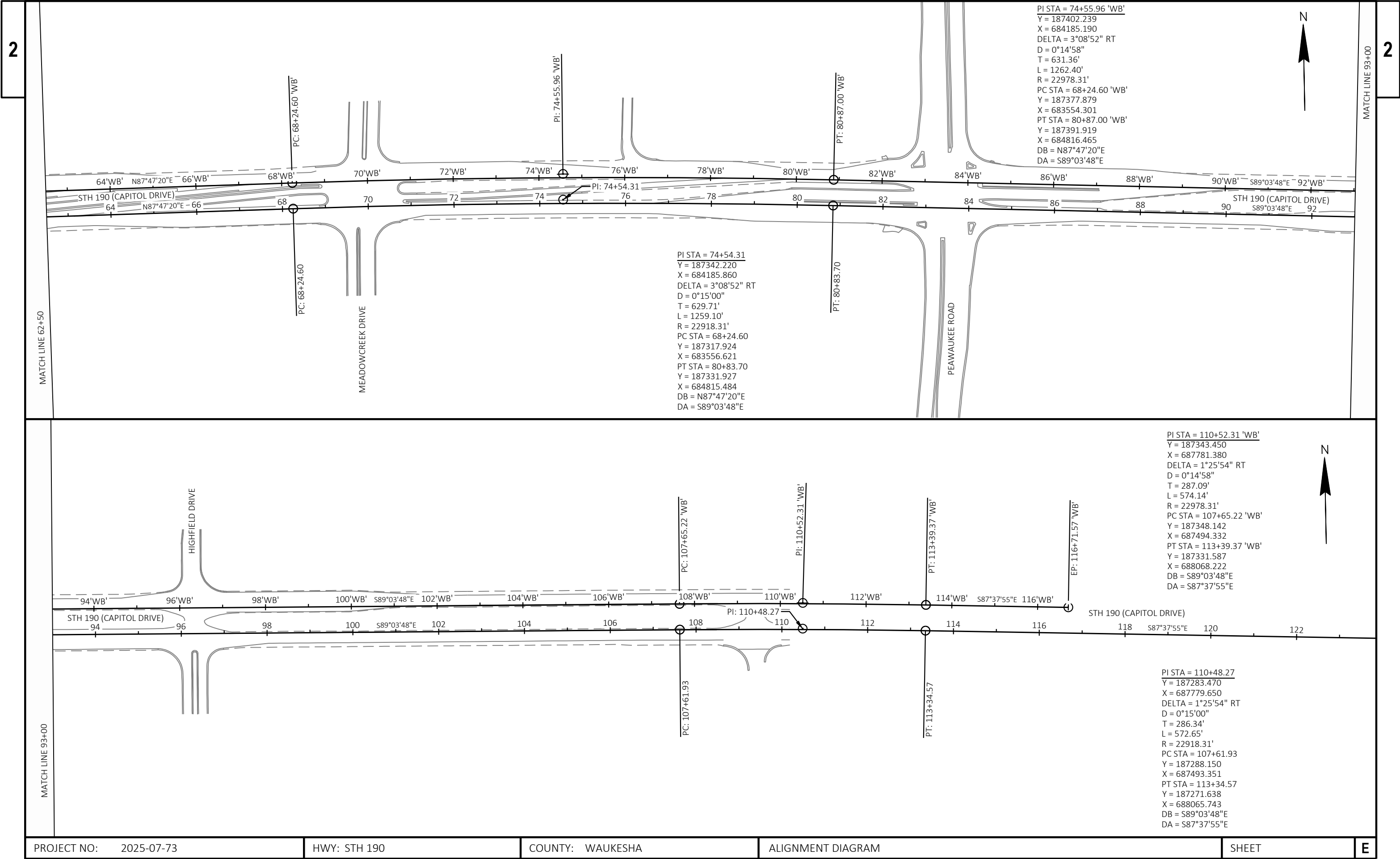


FLASHING ARROW BOARD

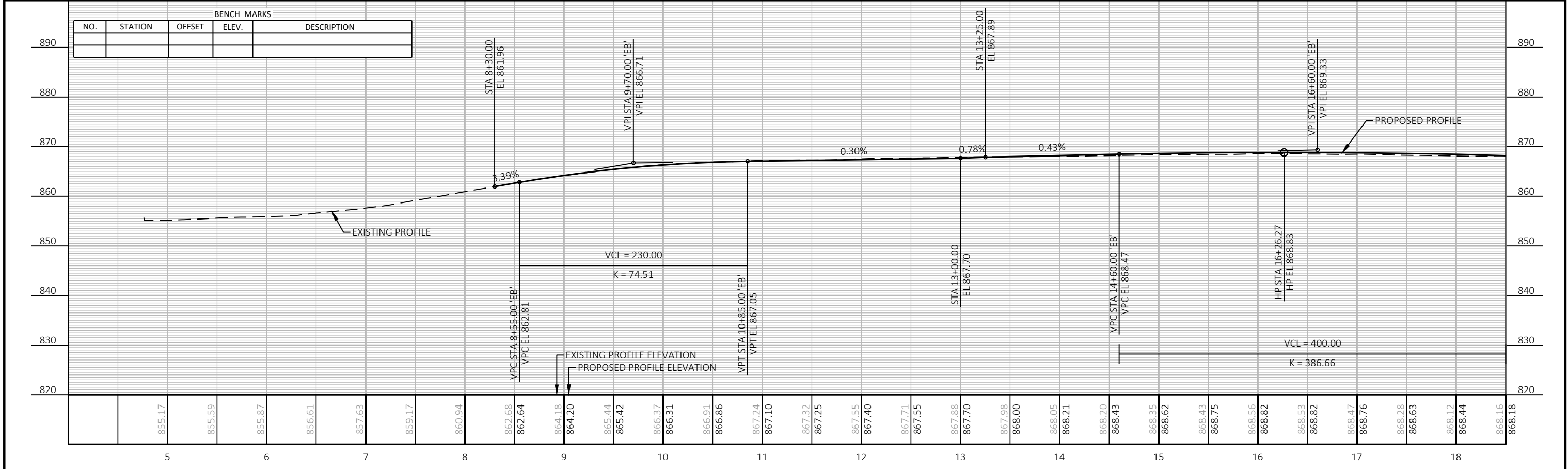
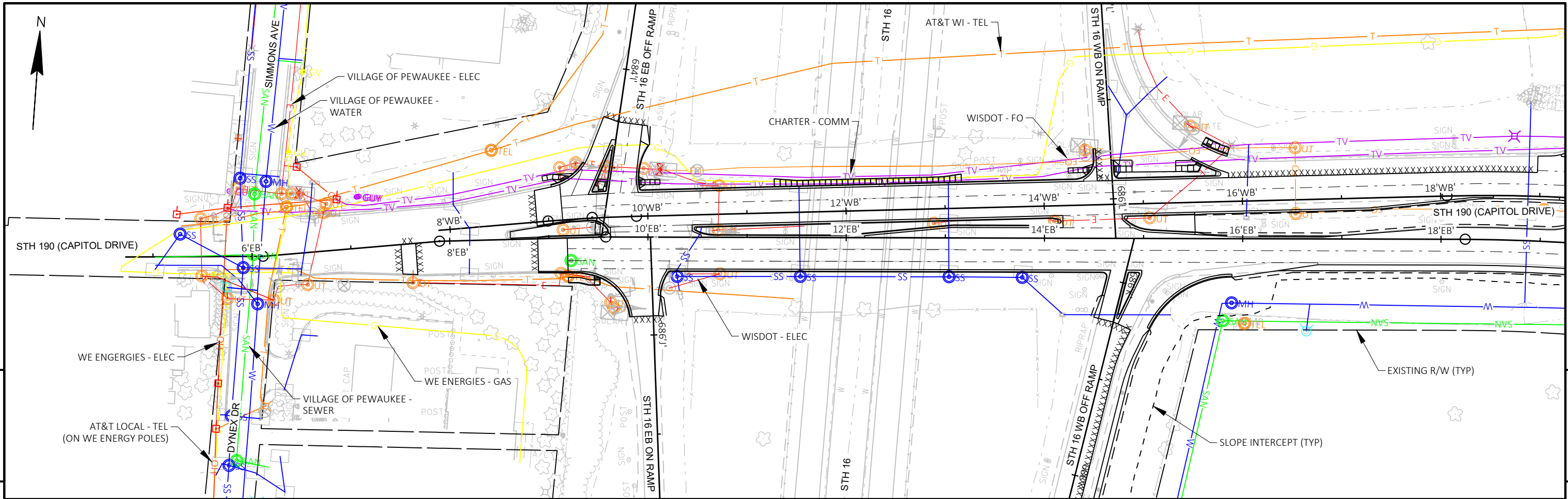




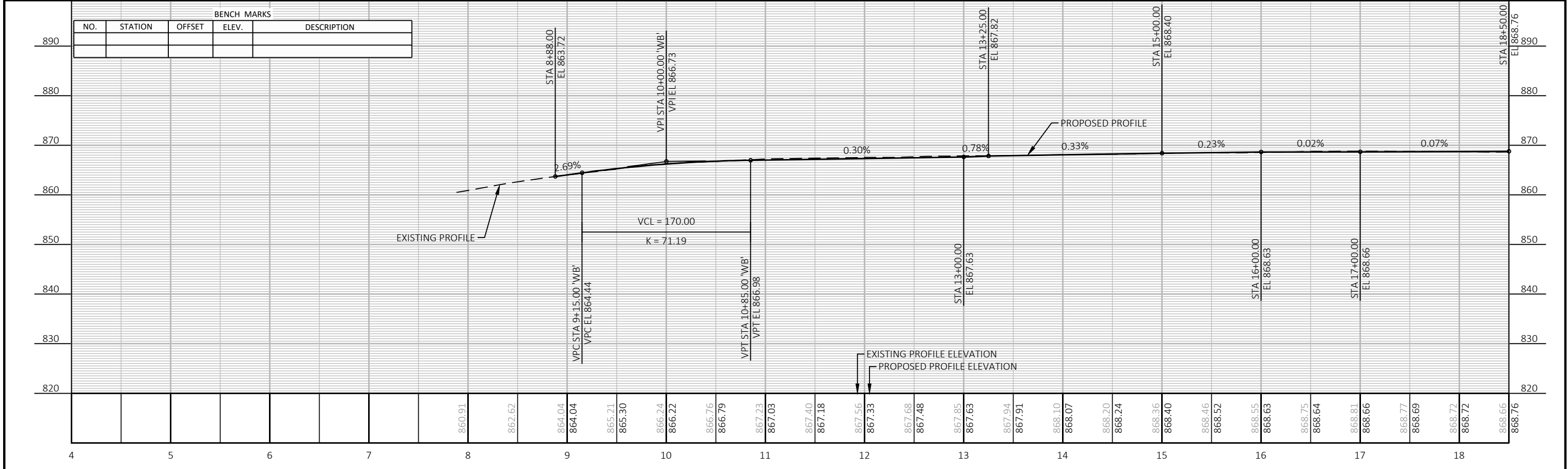
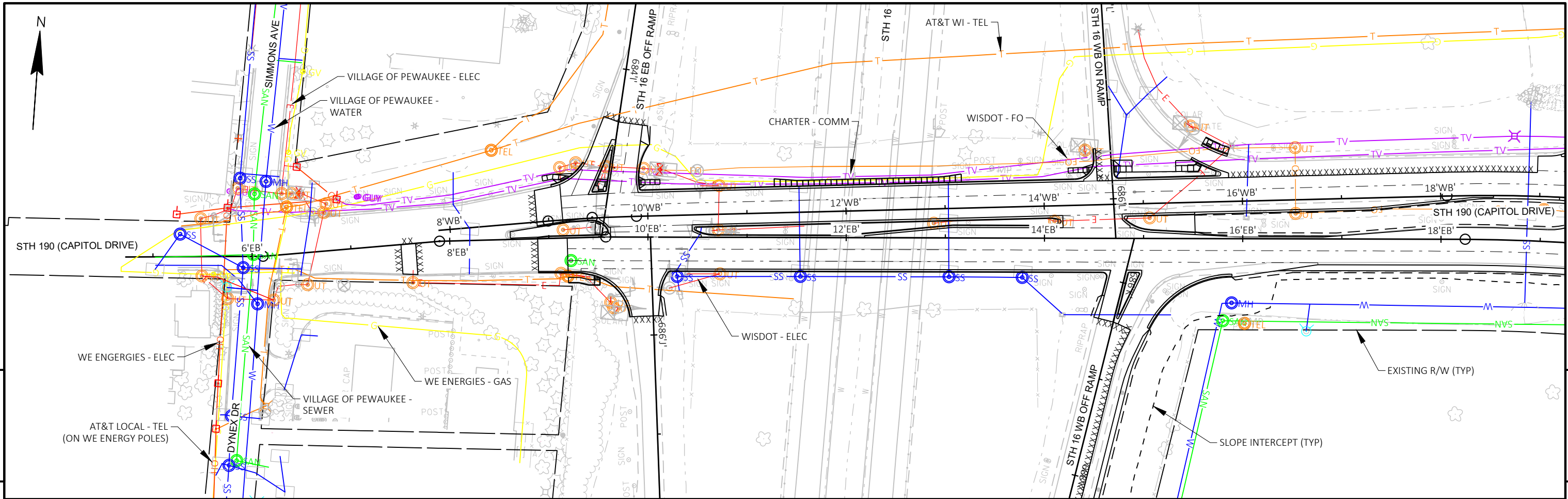




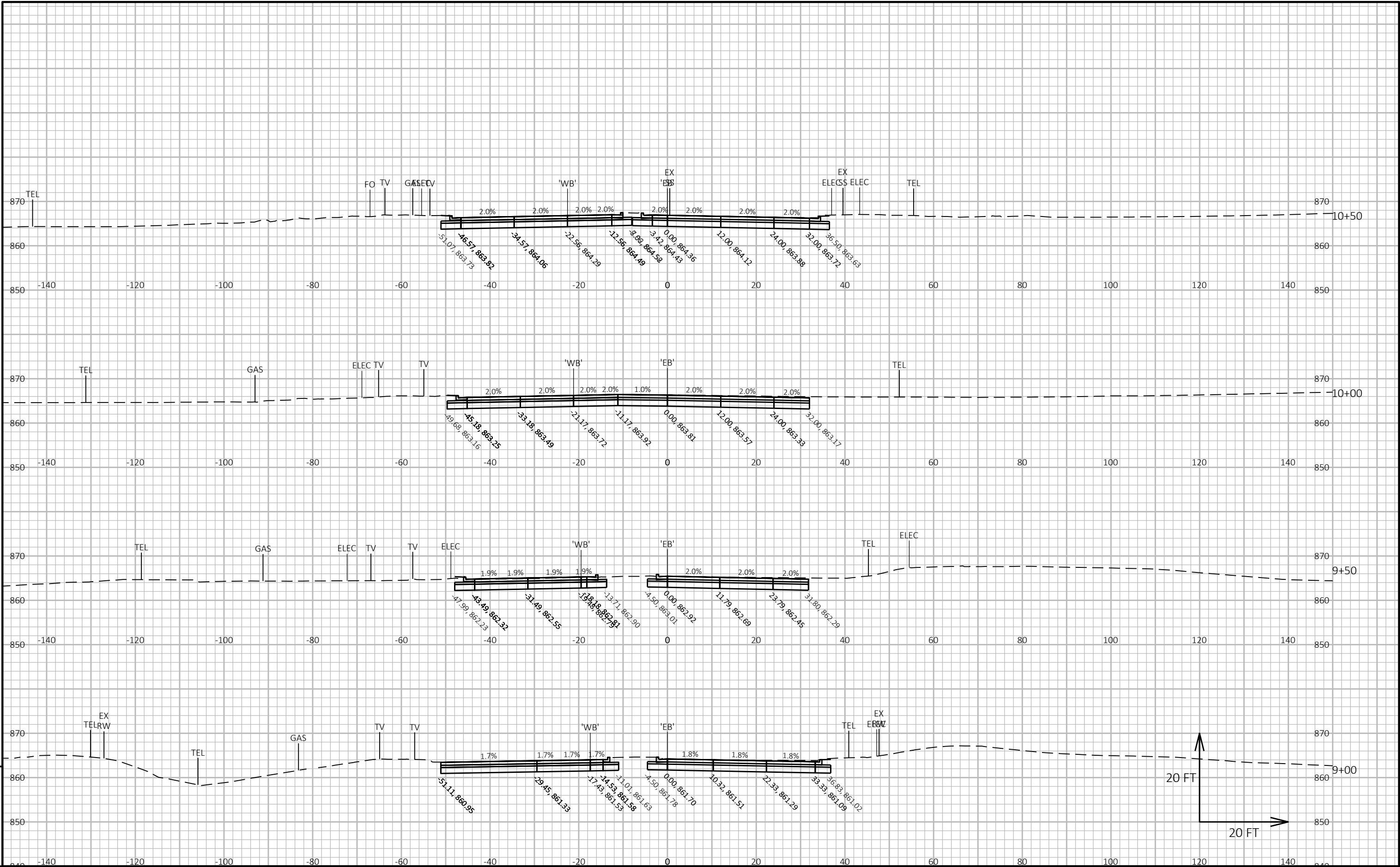
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	ALIGNMENT DIAGRAM	SHEET	E
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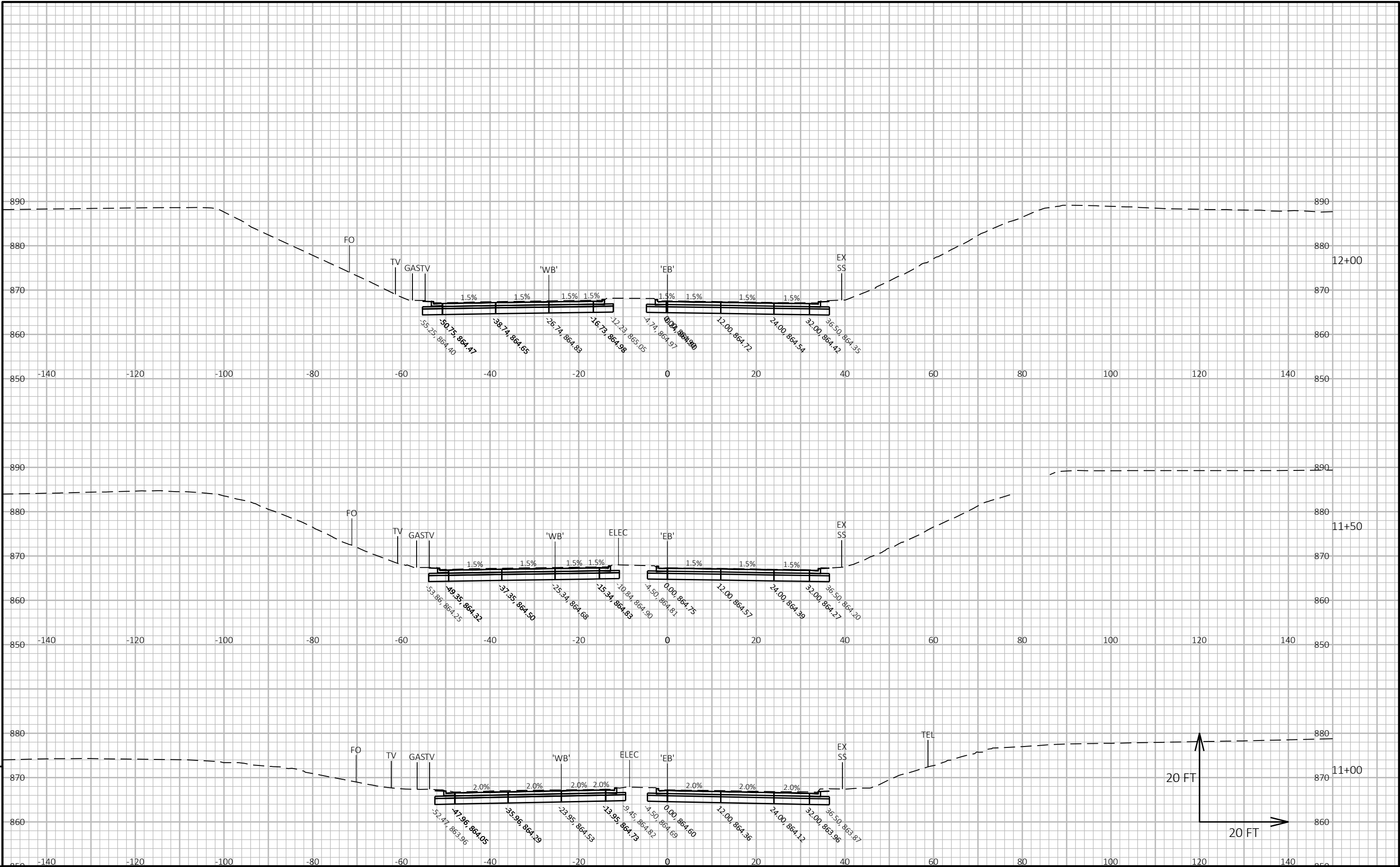


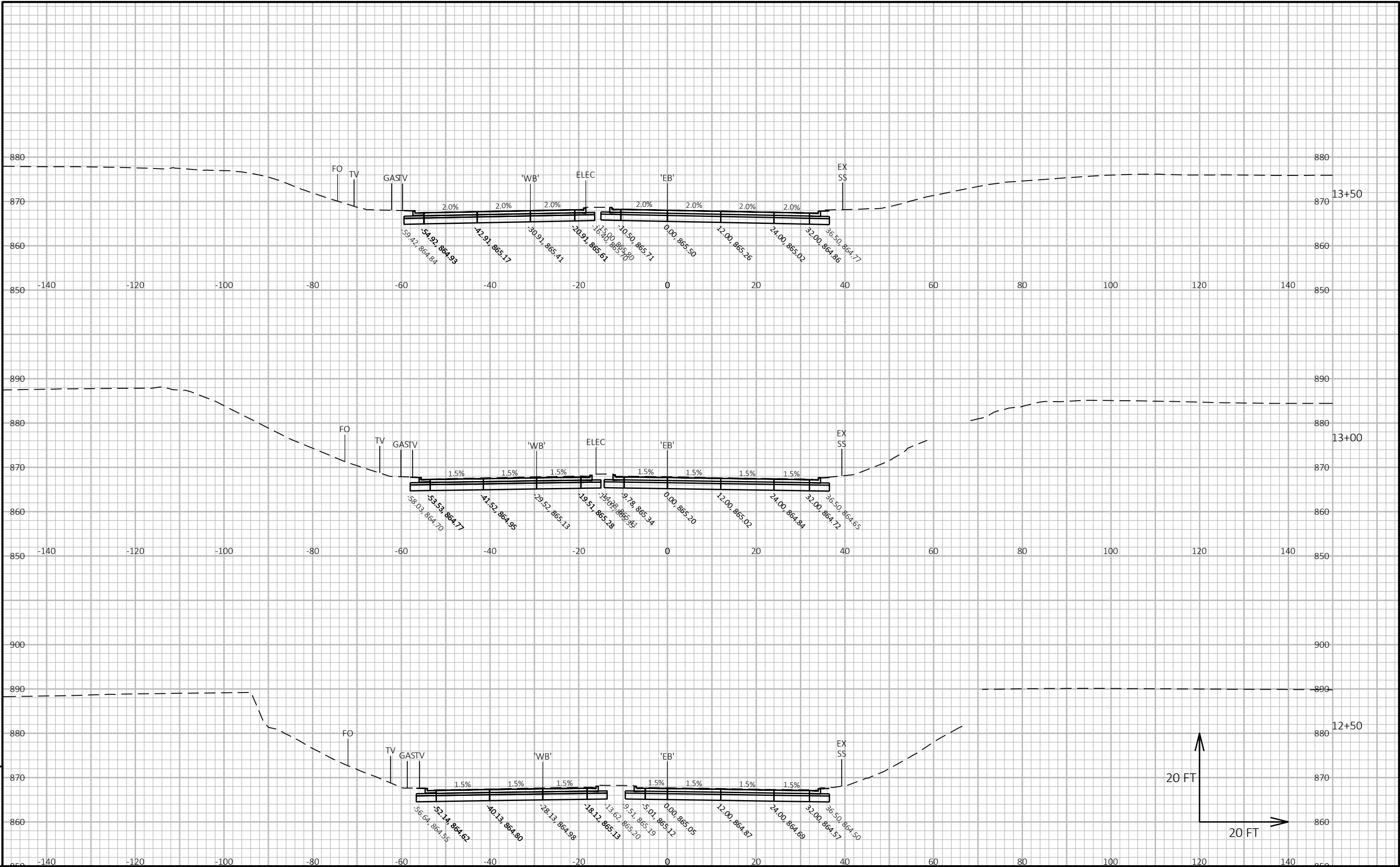
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	PLAN AND PROFILE:	'EB'	SHEET	5
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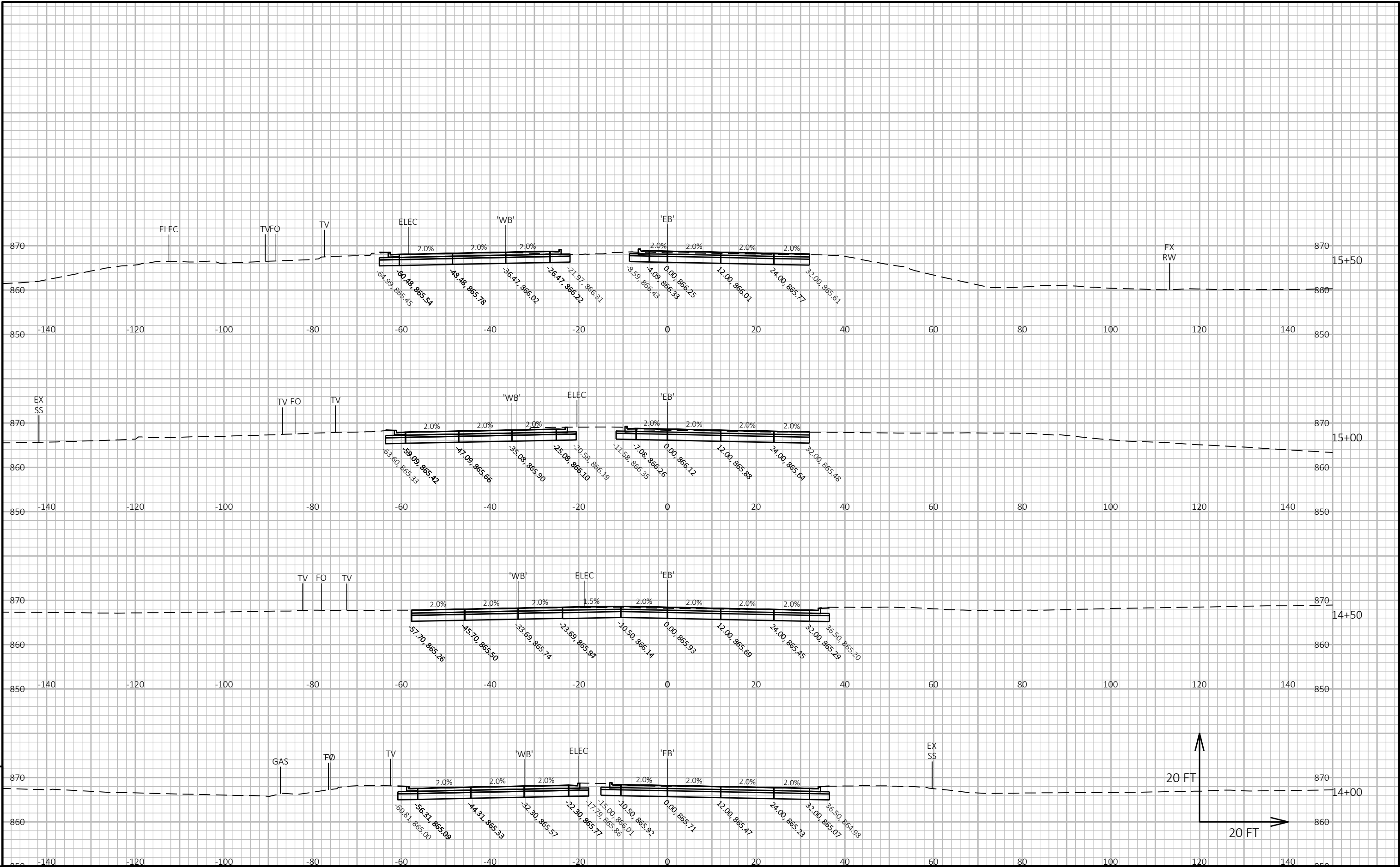


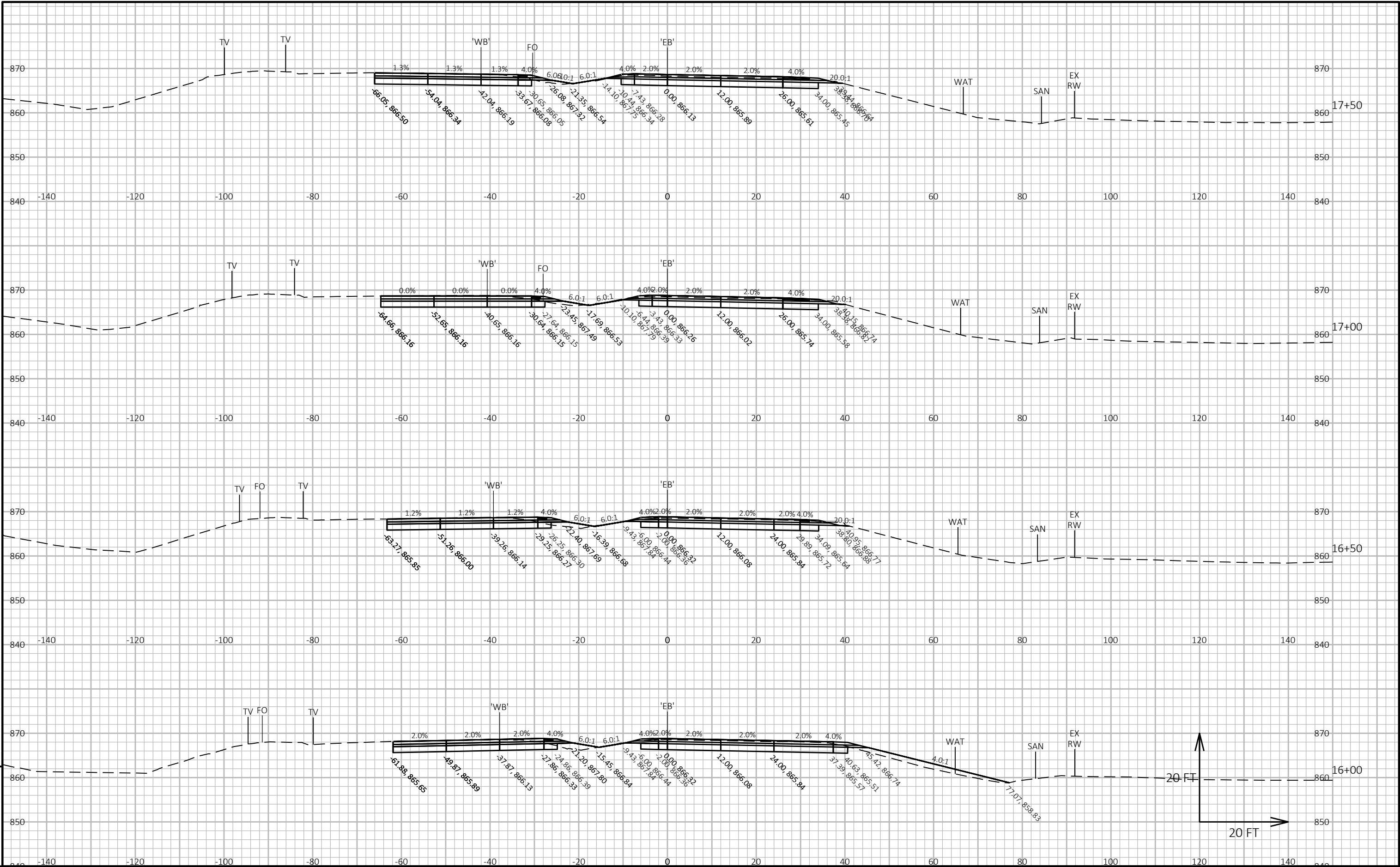
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	PLAN AND PROFILE:	'WB'	SHEET	5
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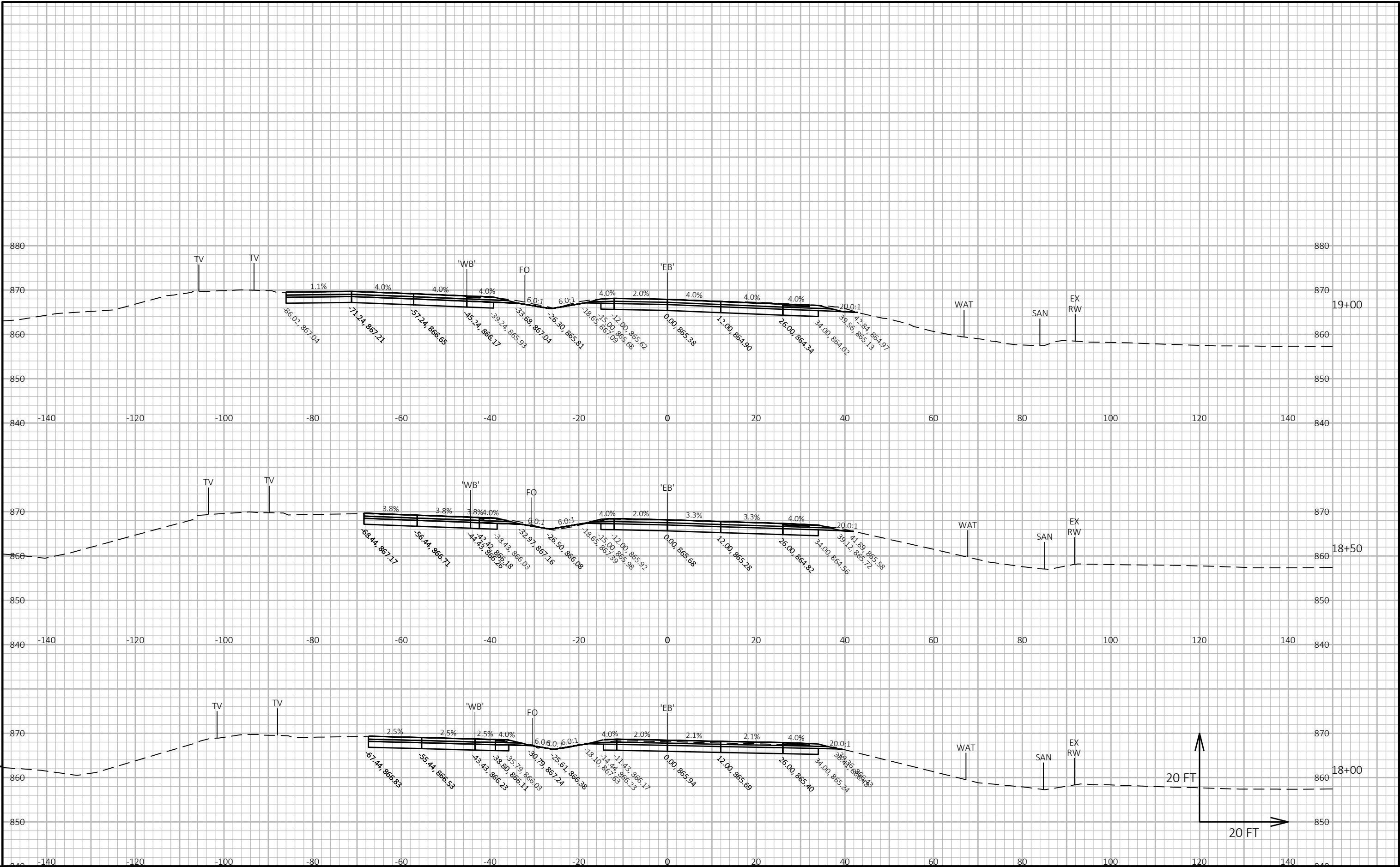


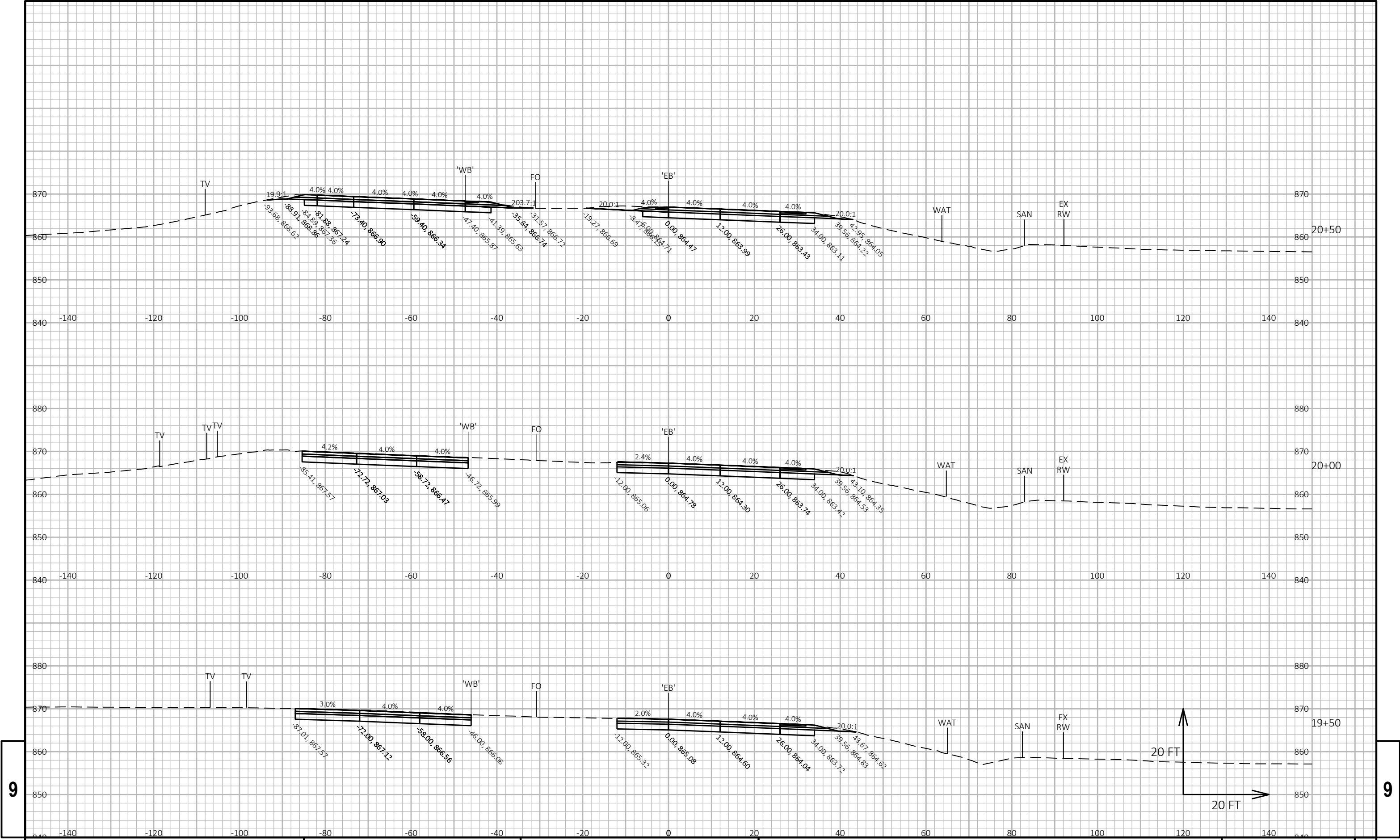








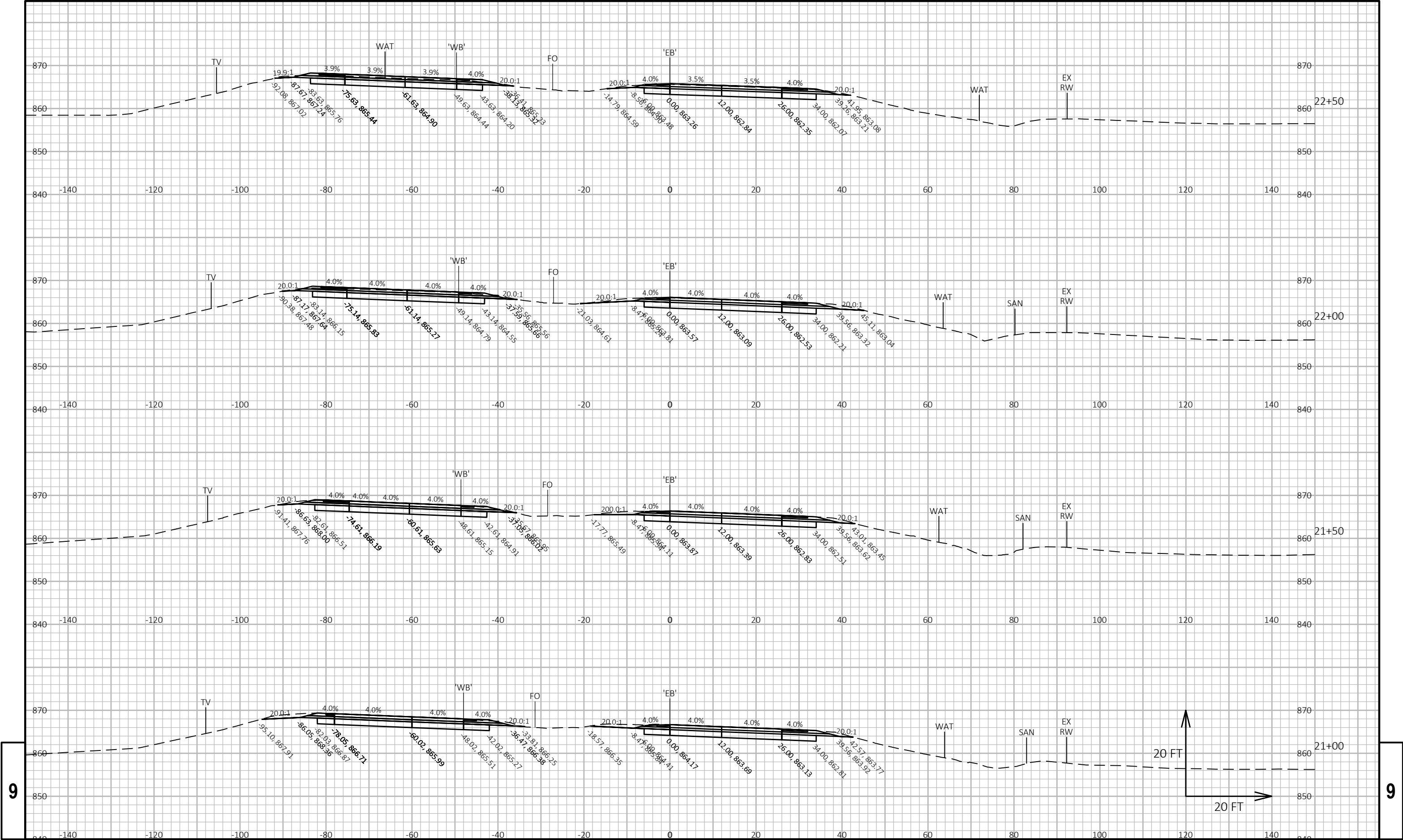


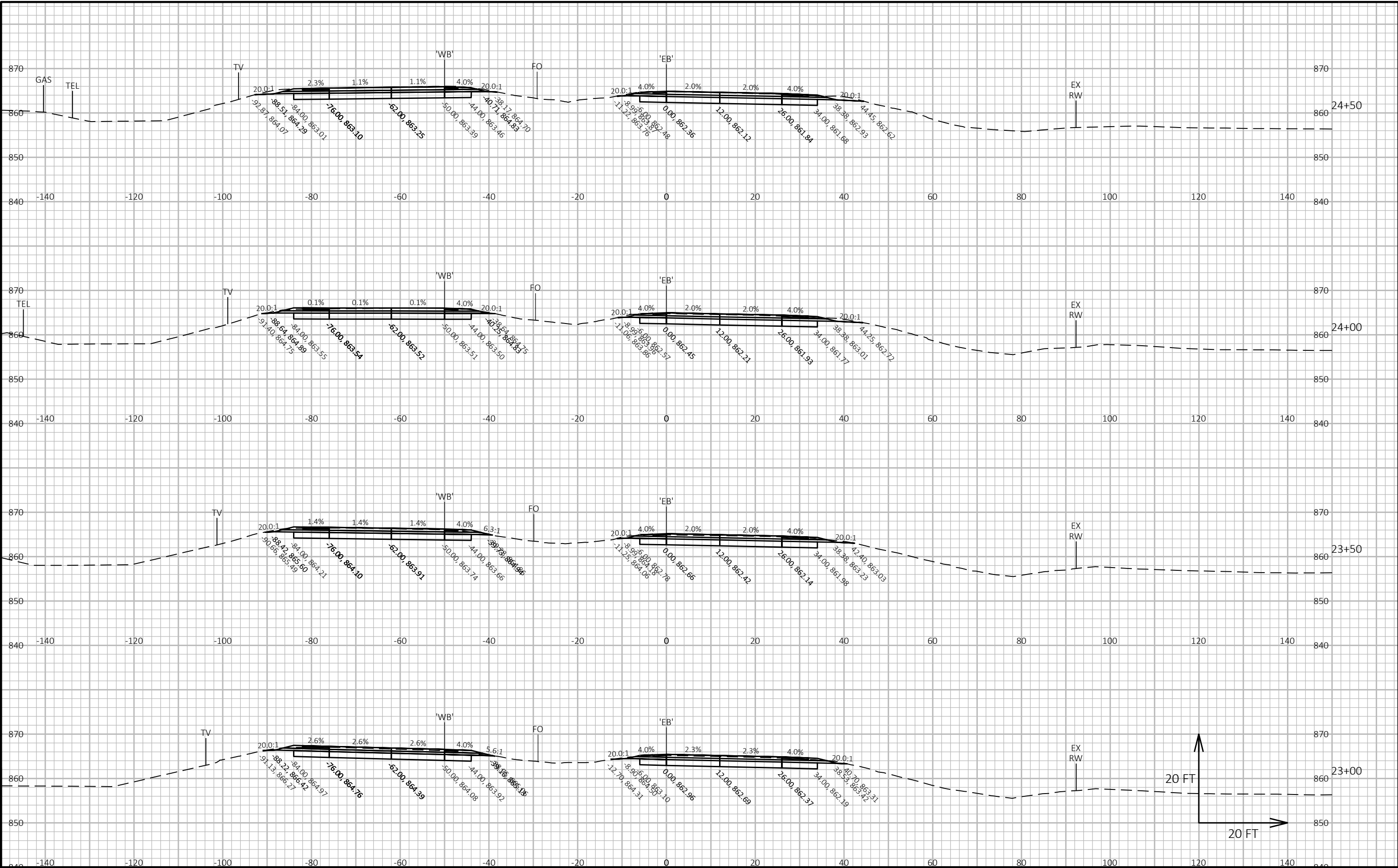


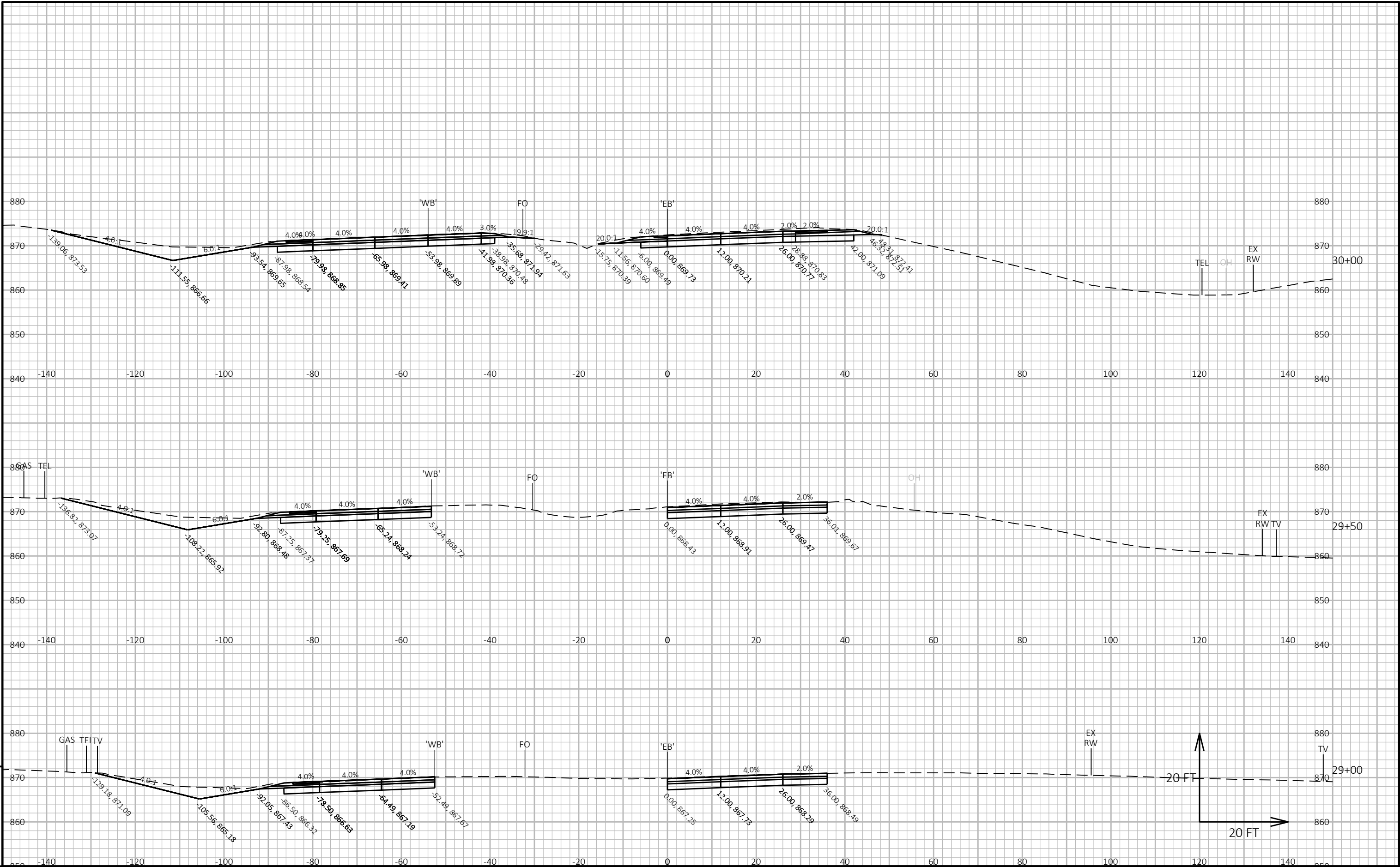
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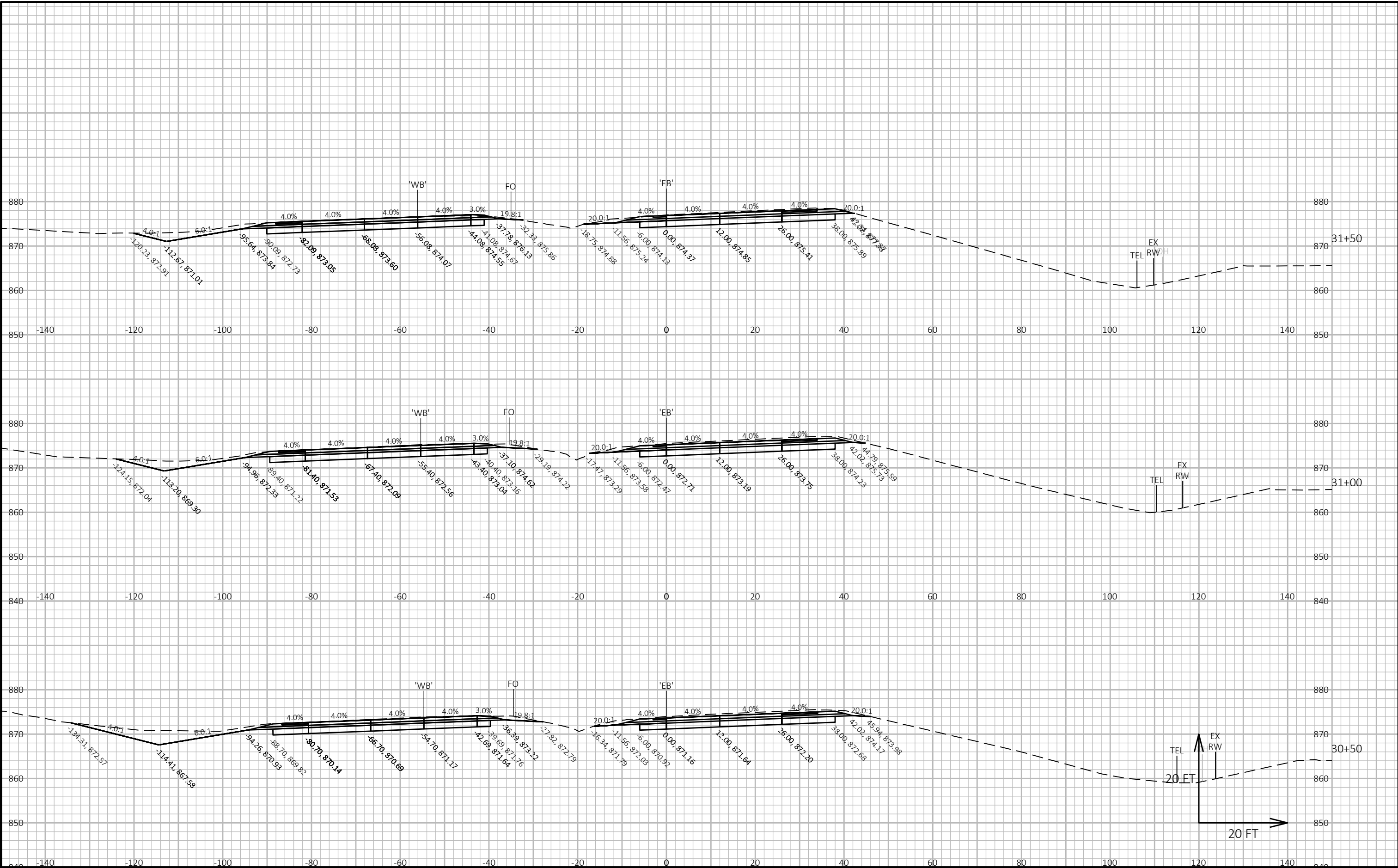
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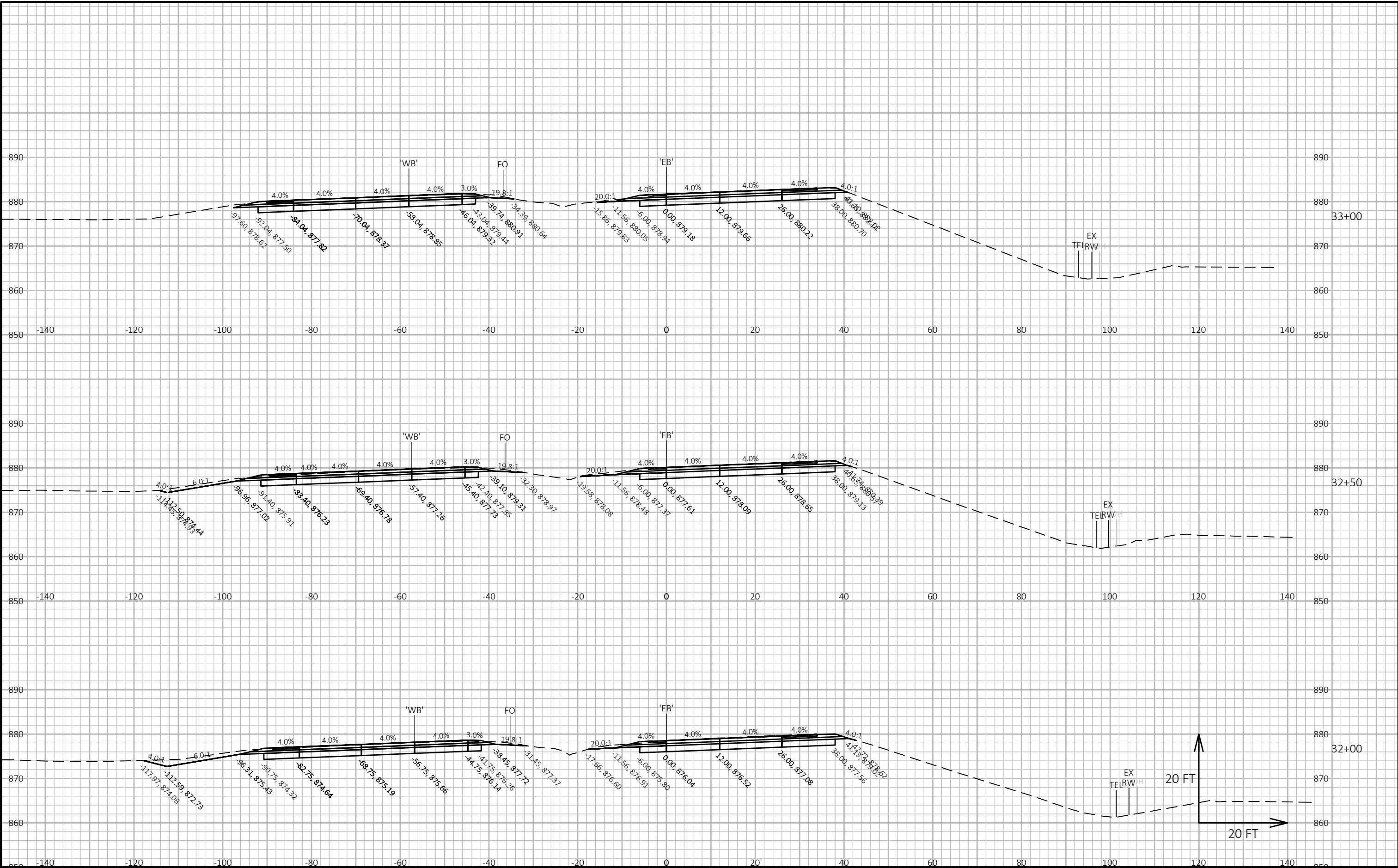
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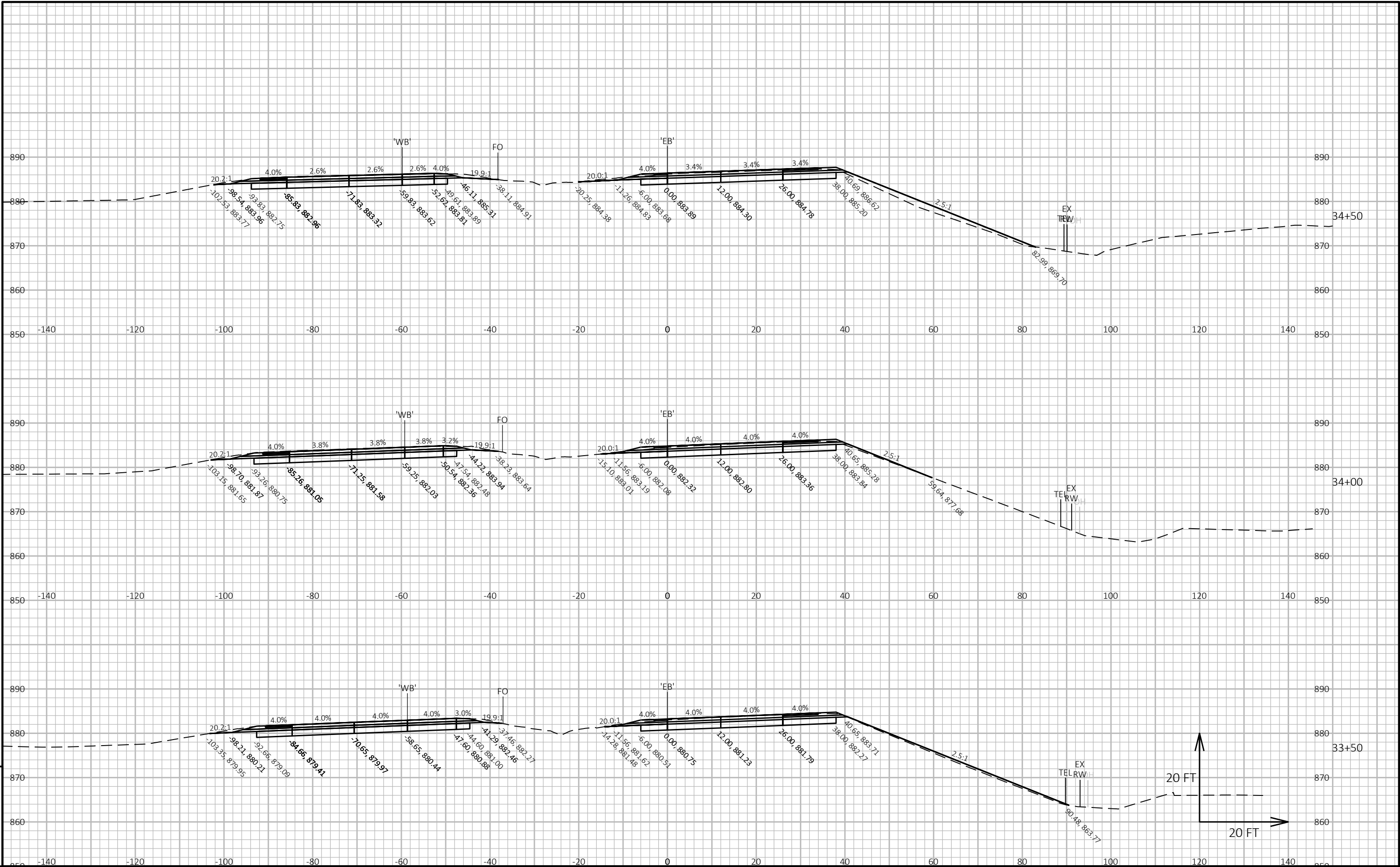


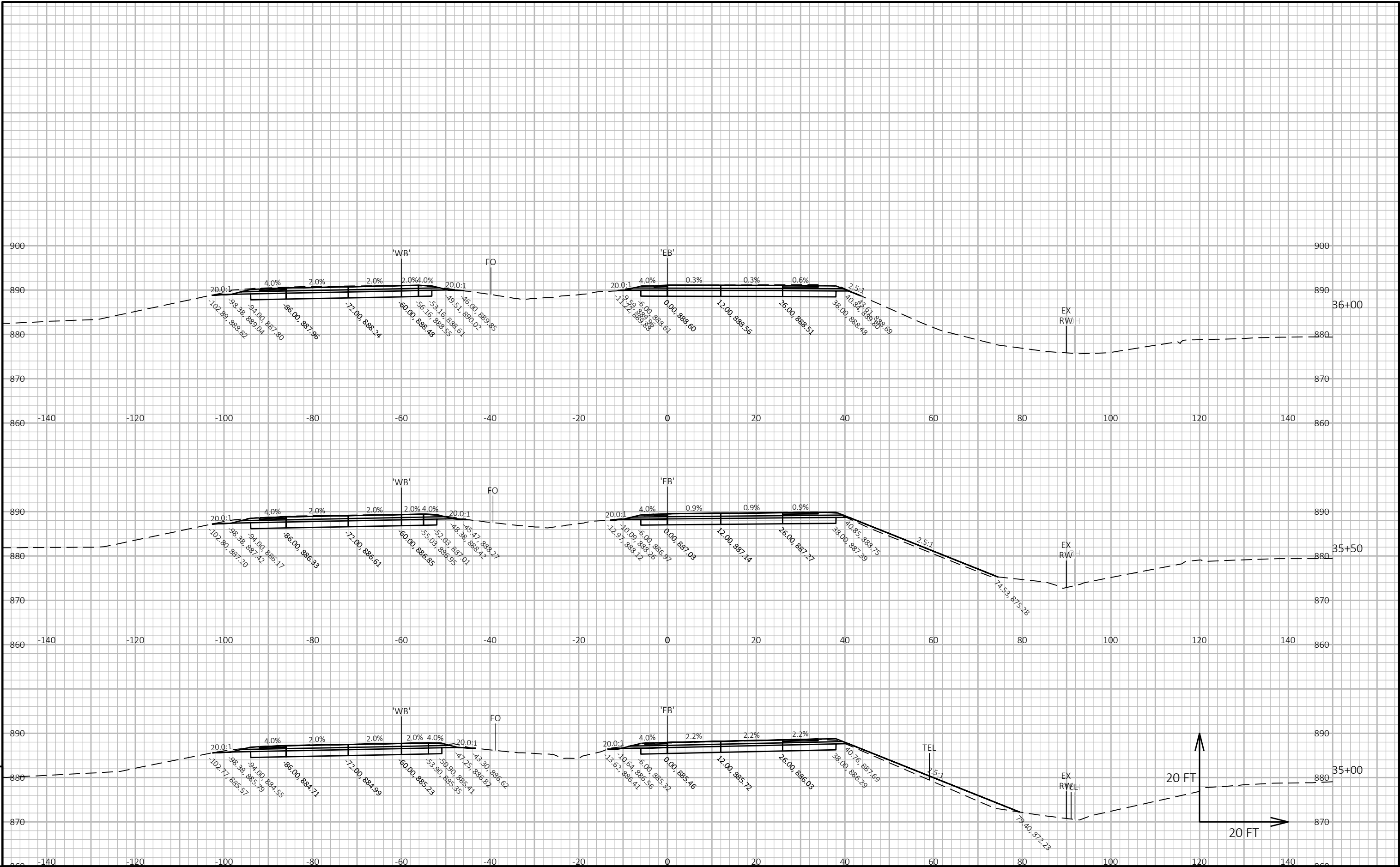




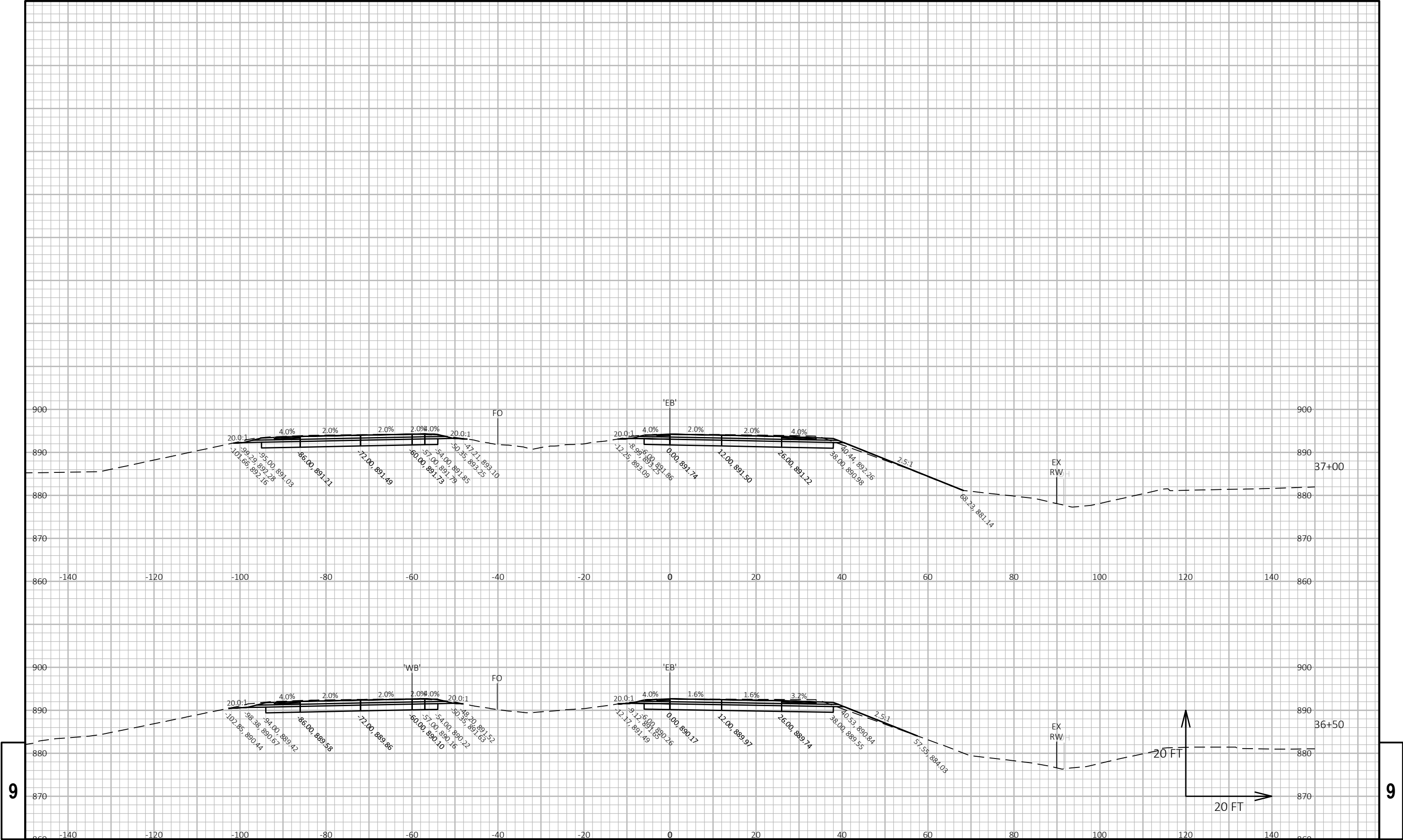




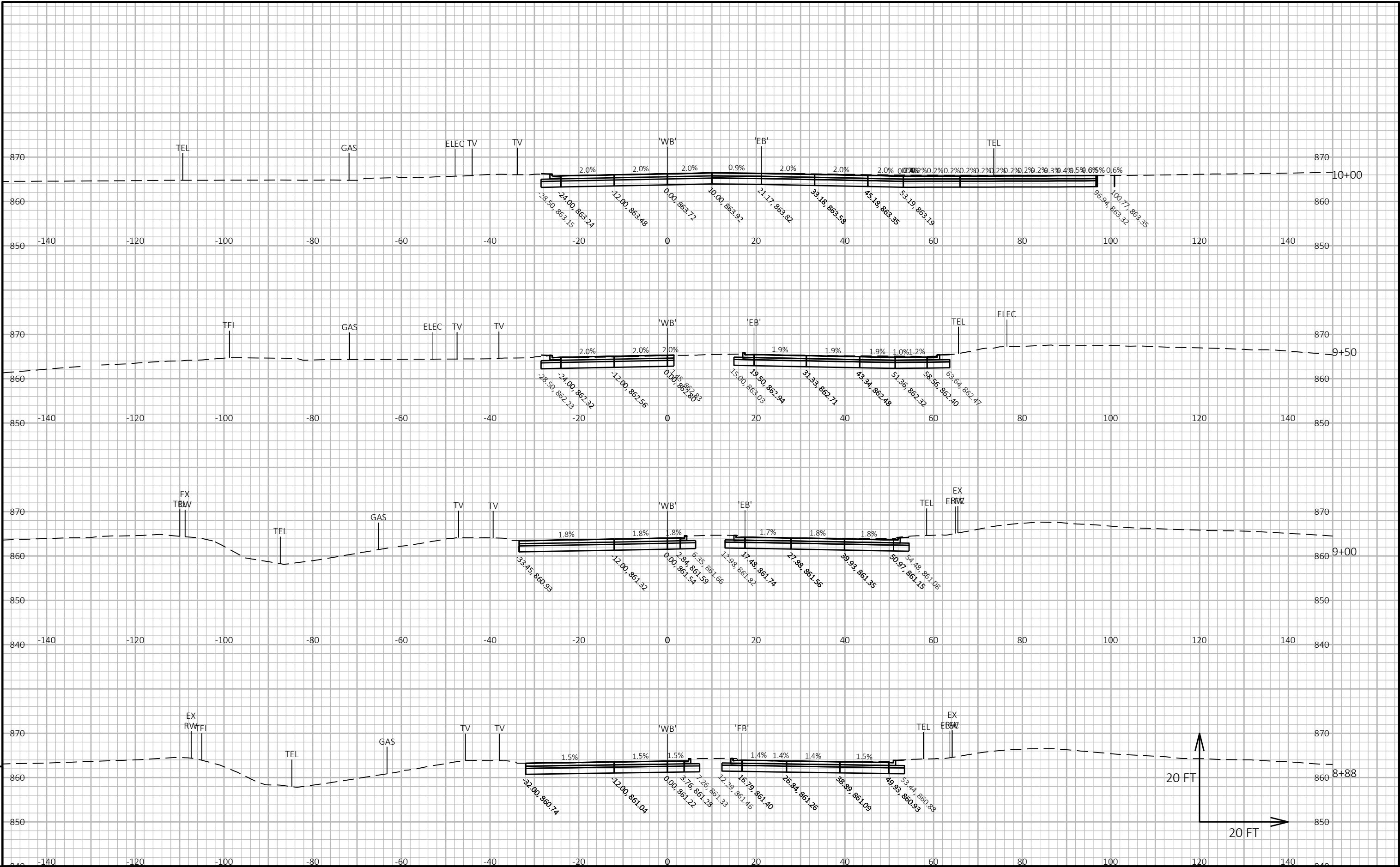




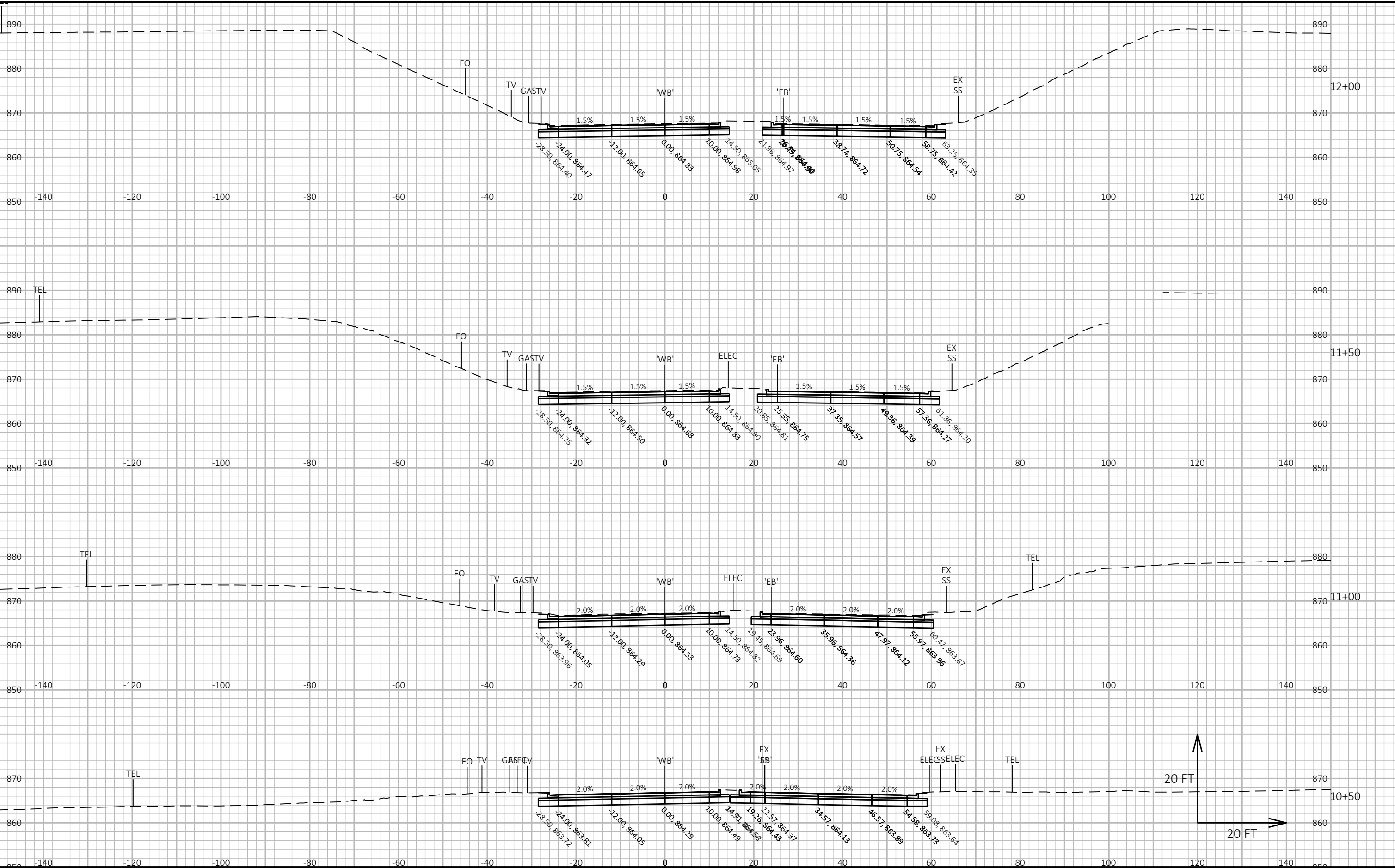
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CROSS SECTIONS:	STH 190 EB	SHEET	E
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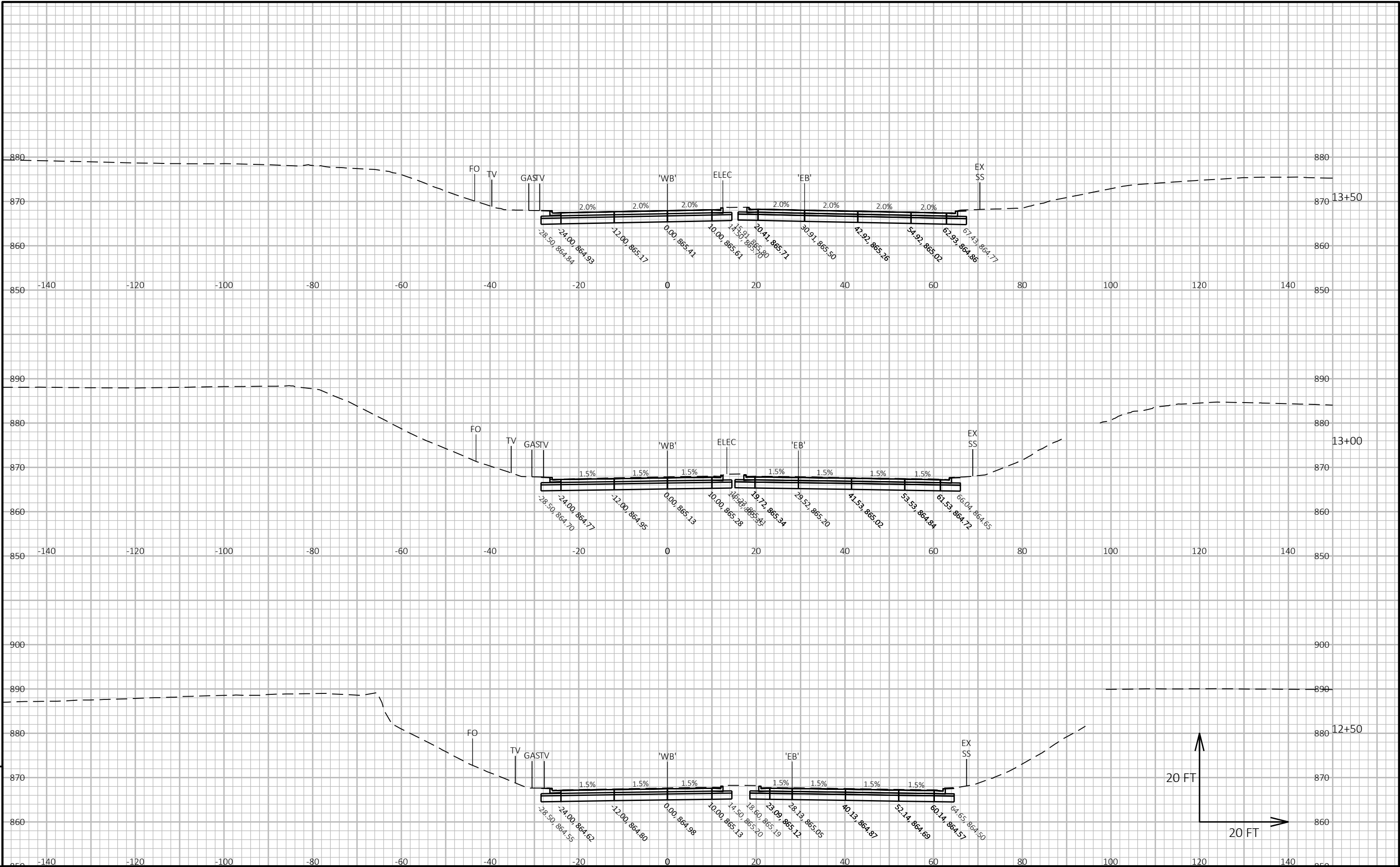


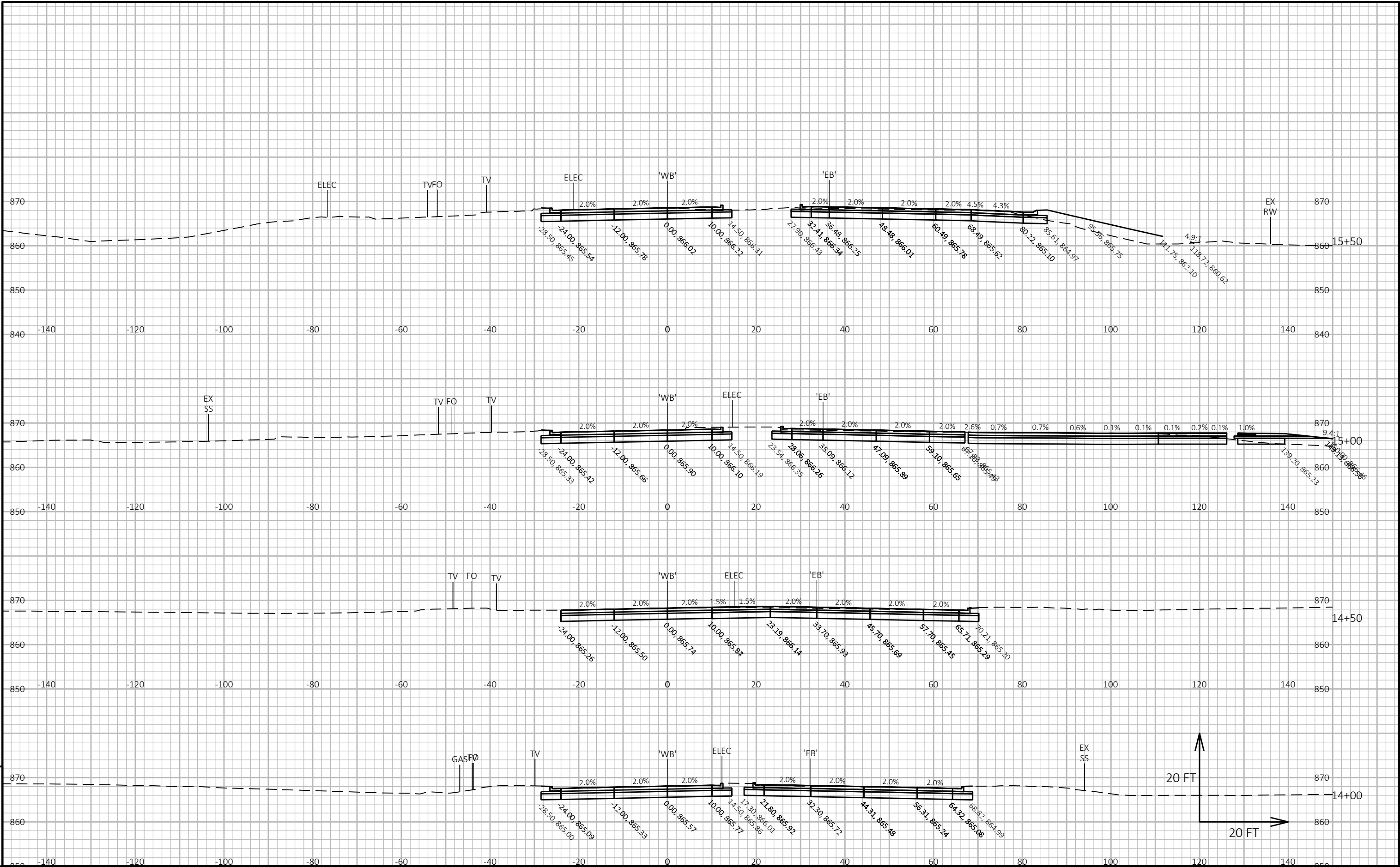
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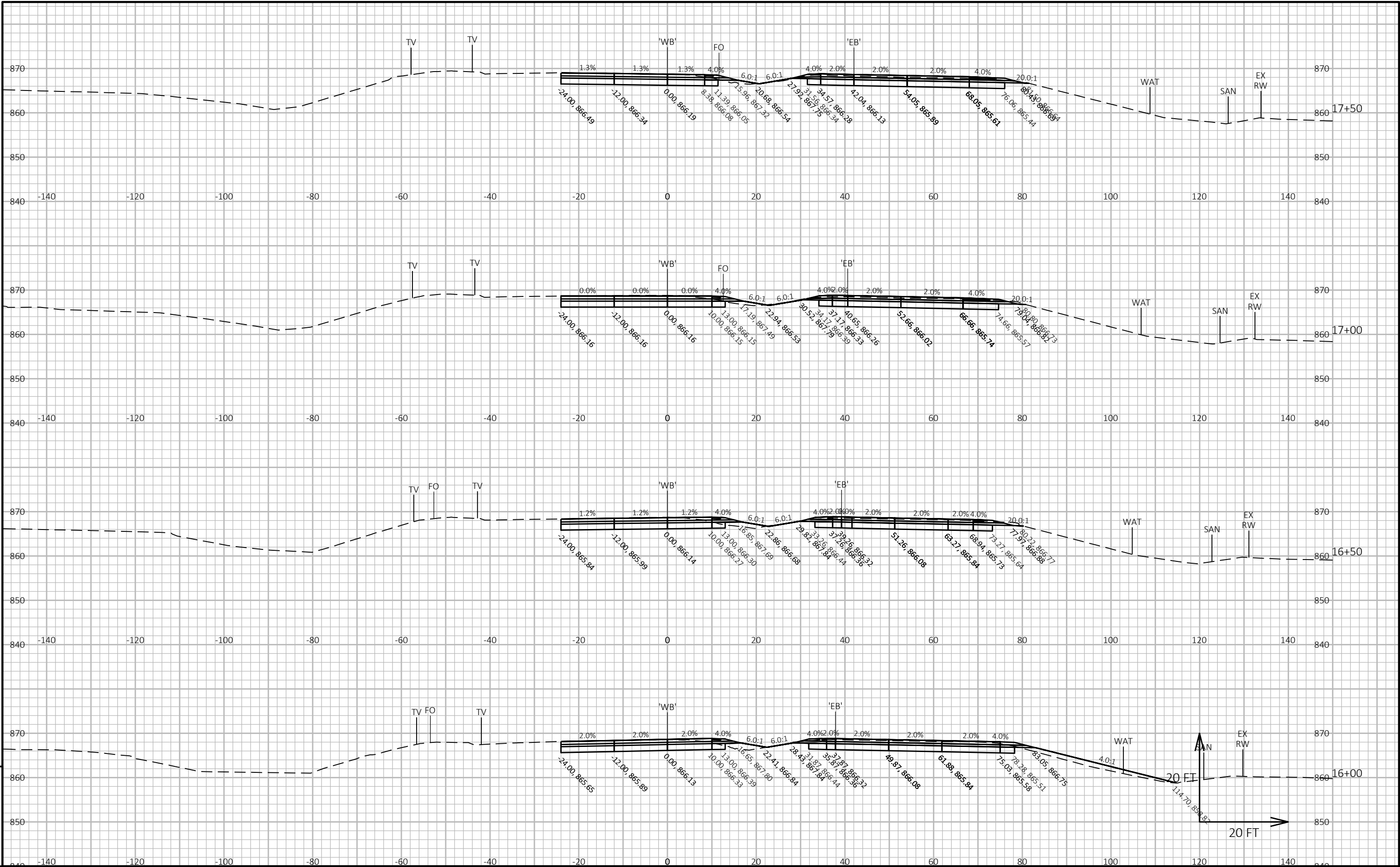


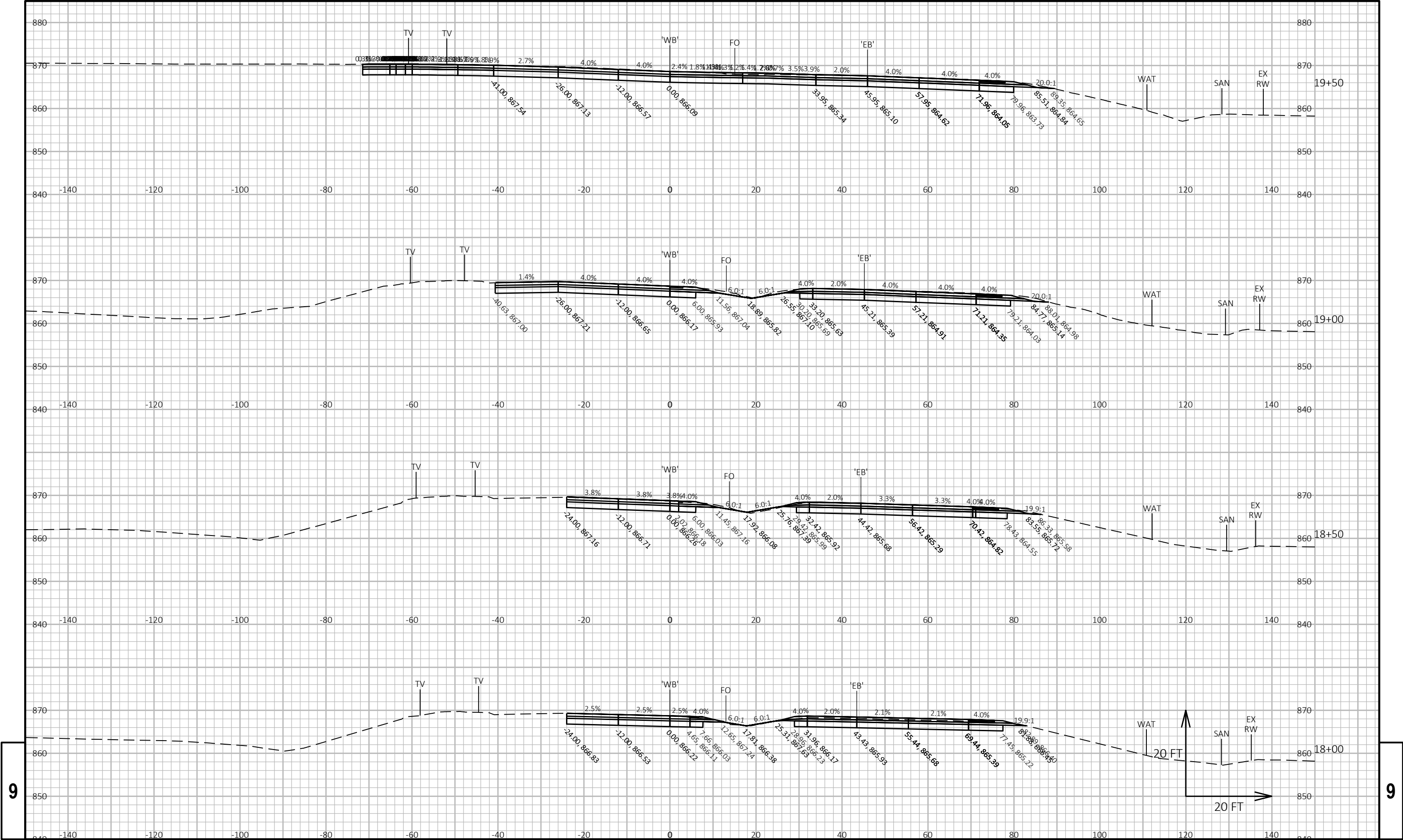
PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CROSS SECTIONS: STH 190 WB	SHEET	E
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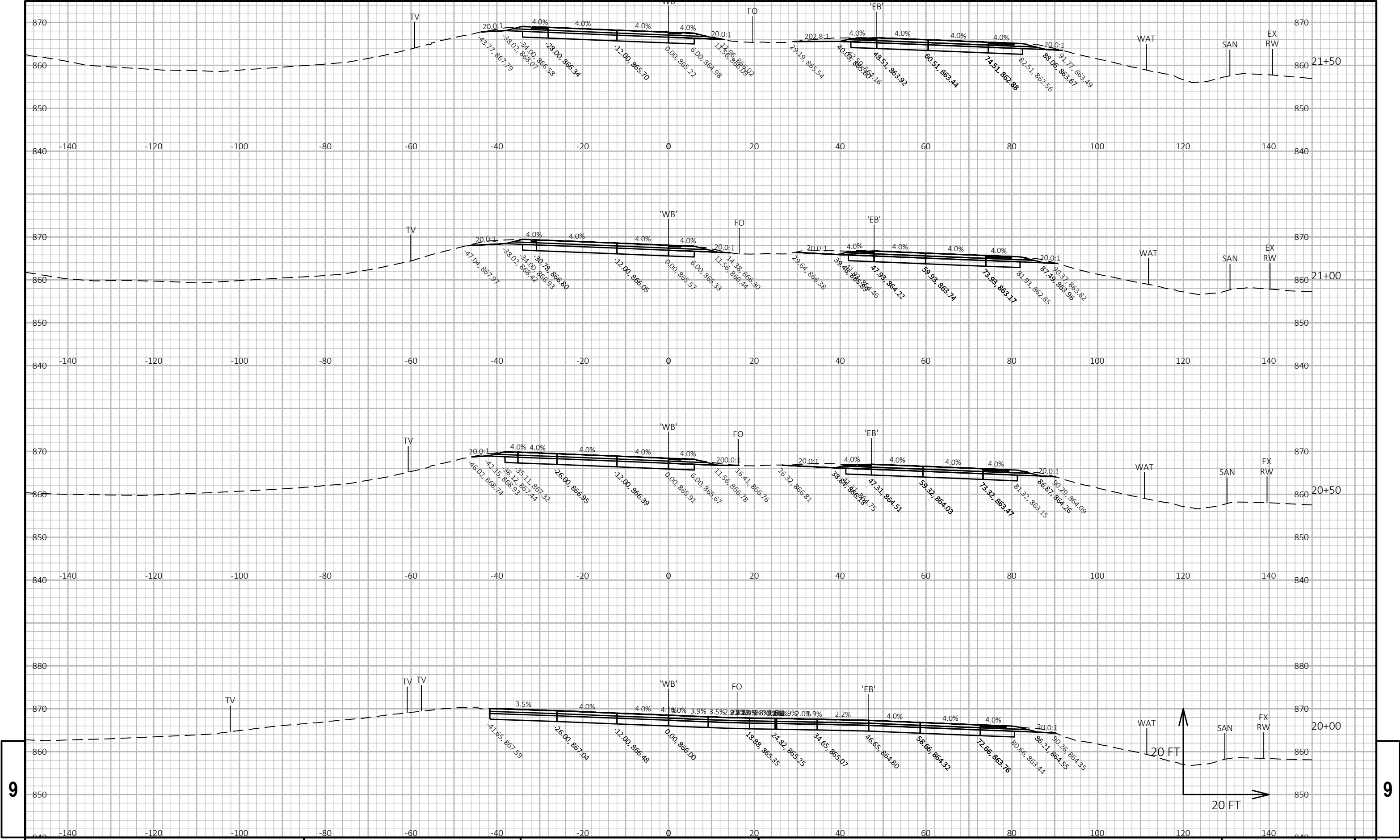


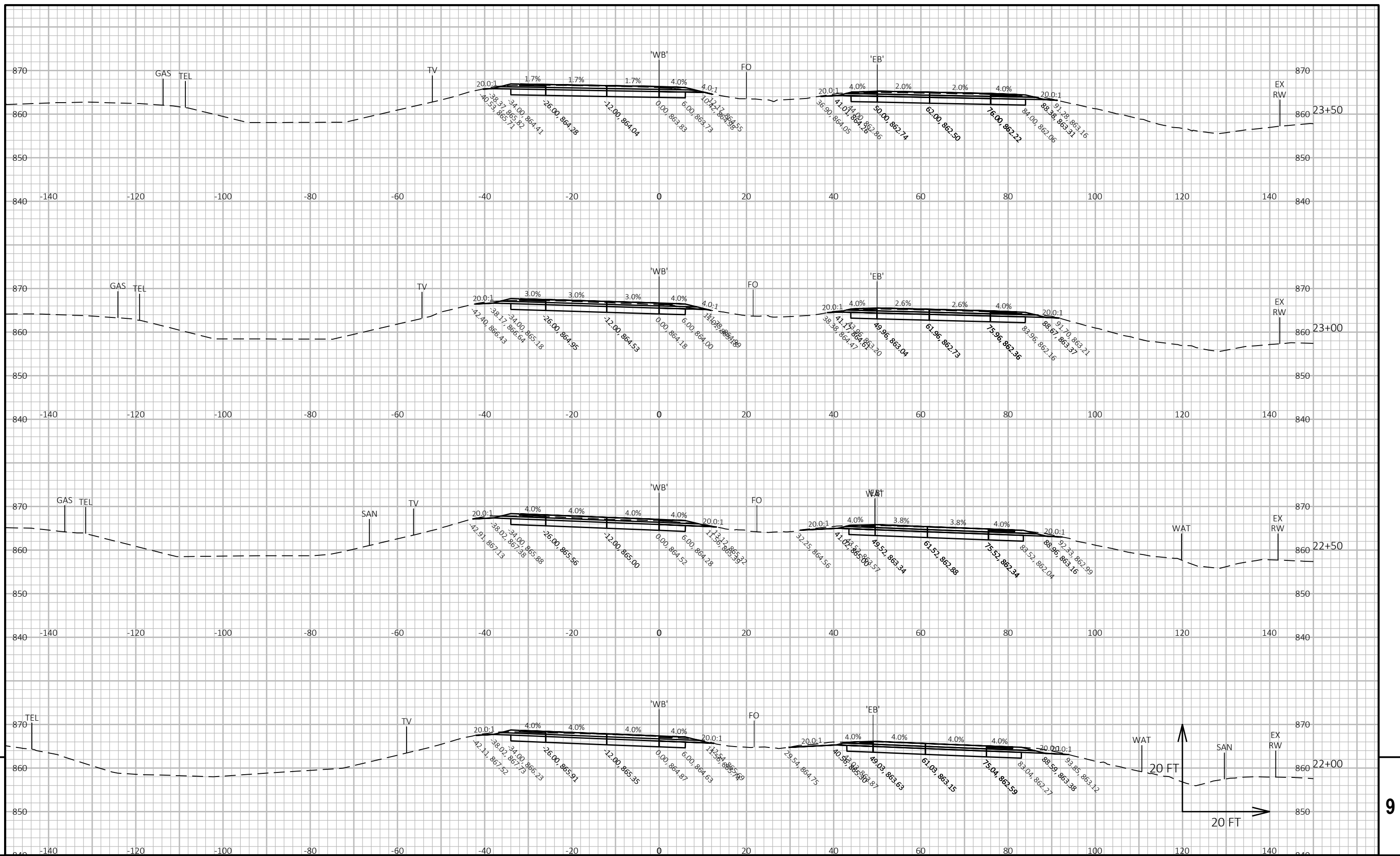




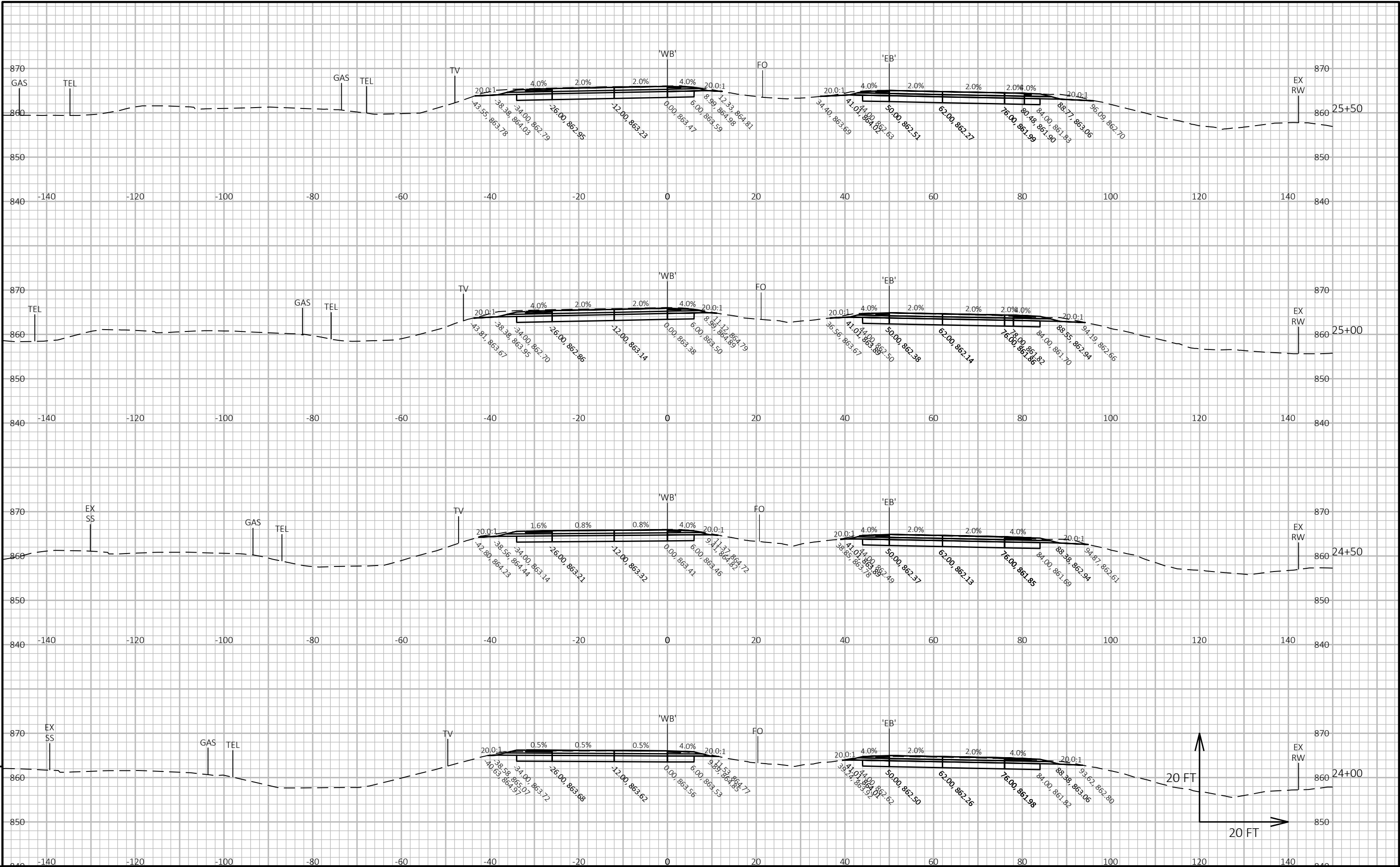


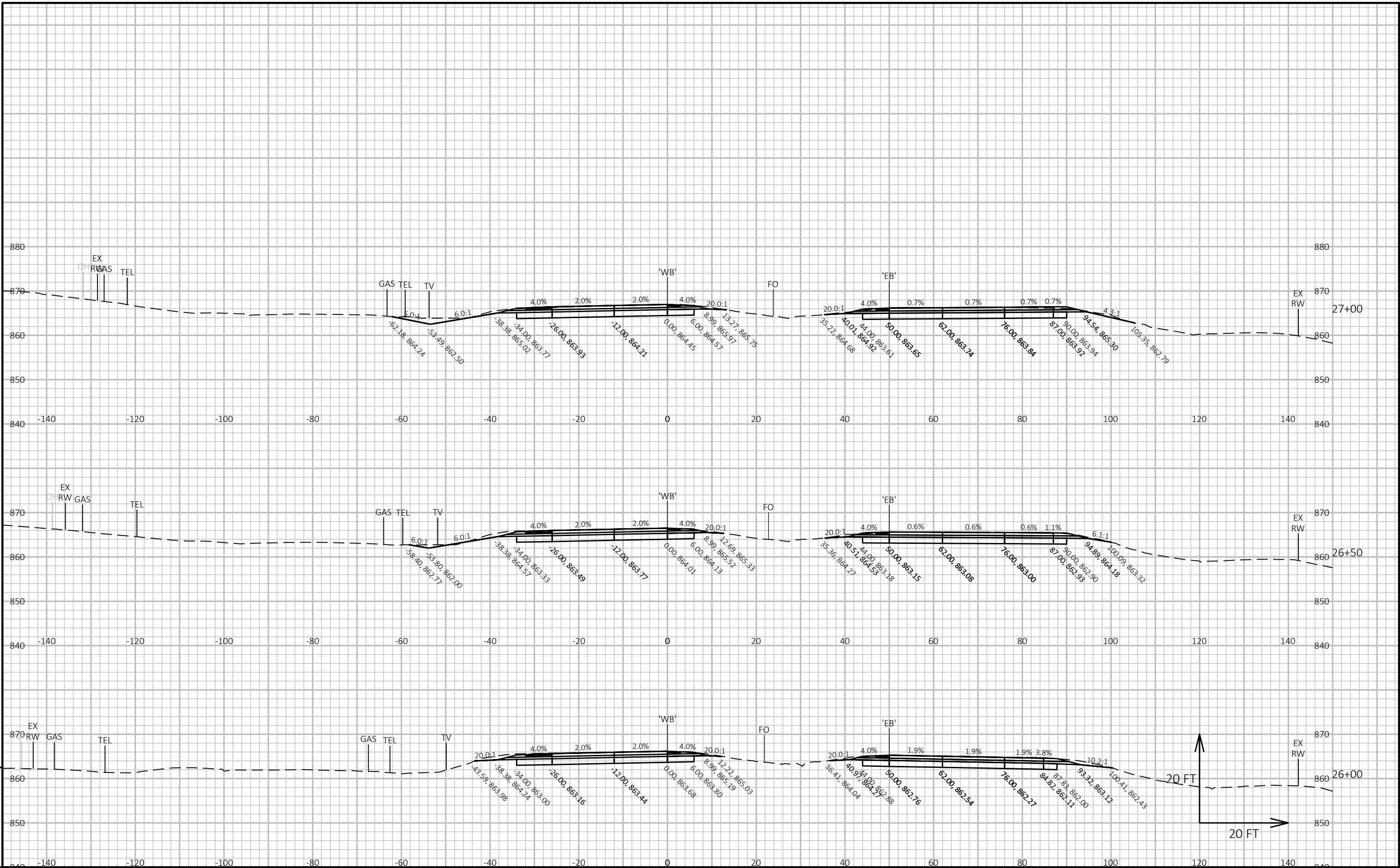


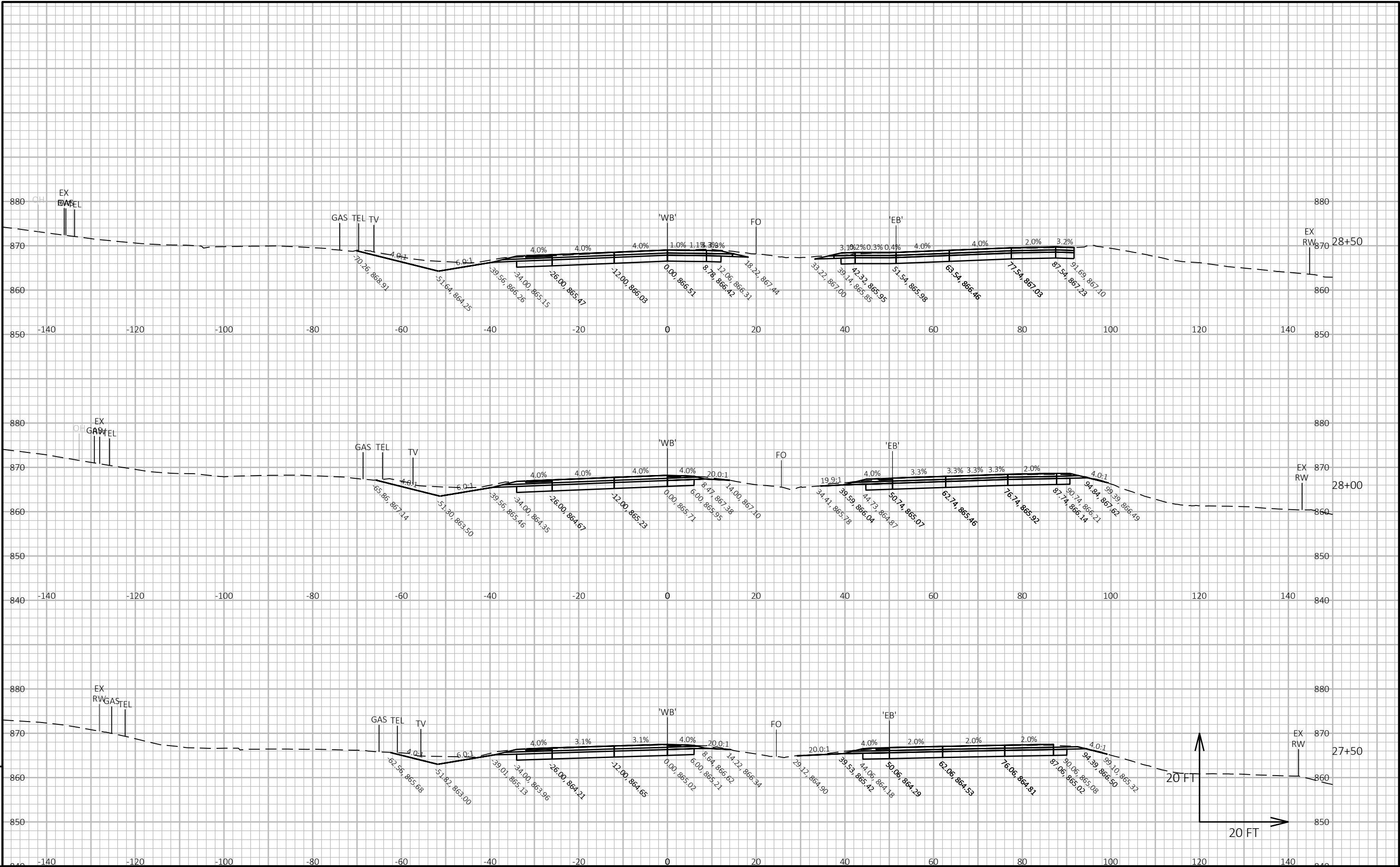


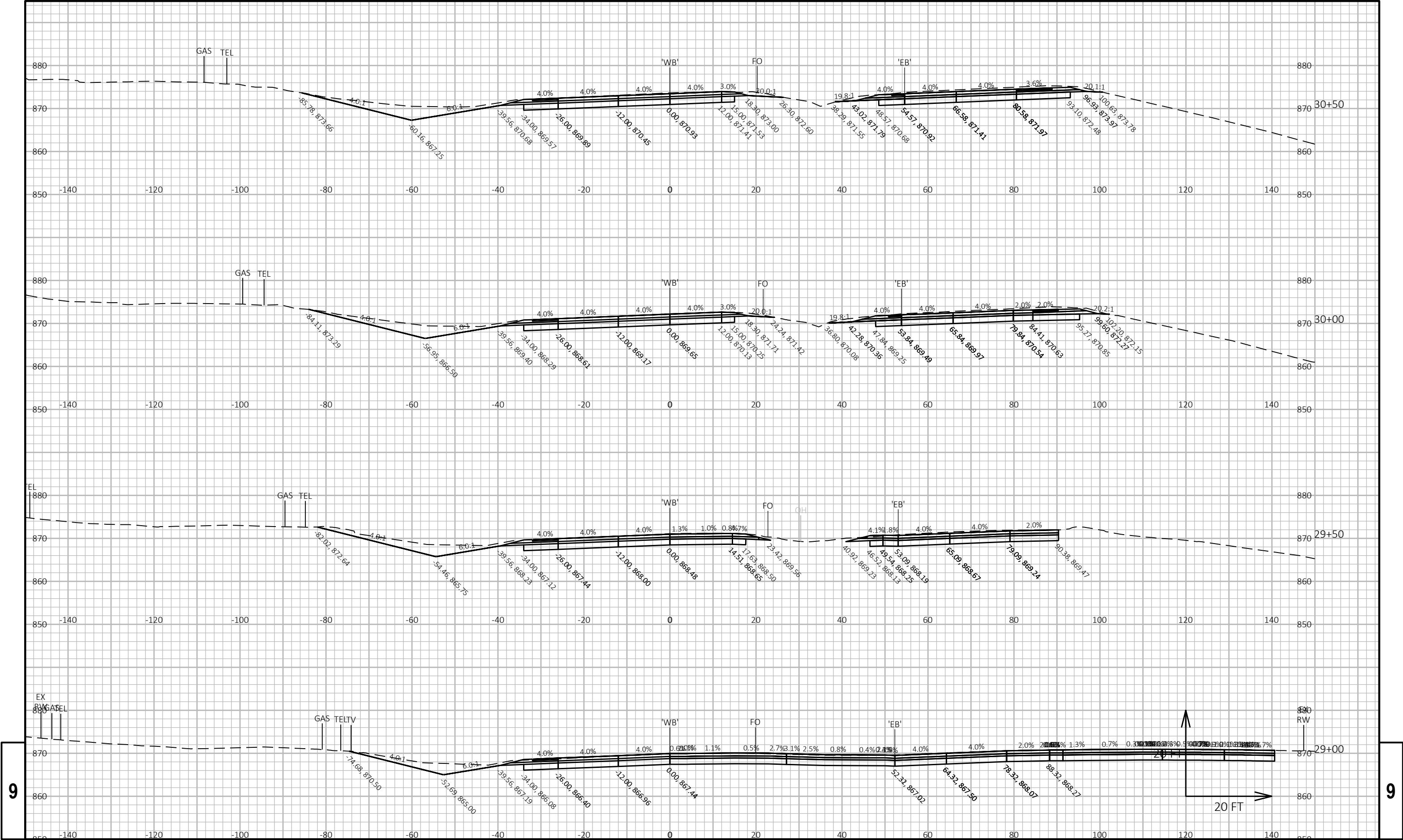


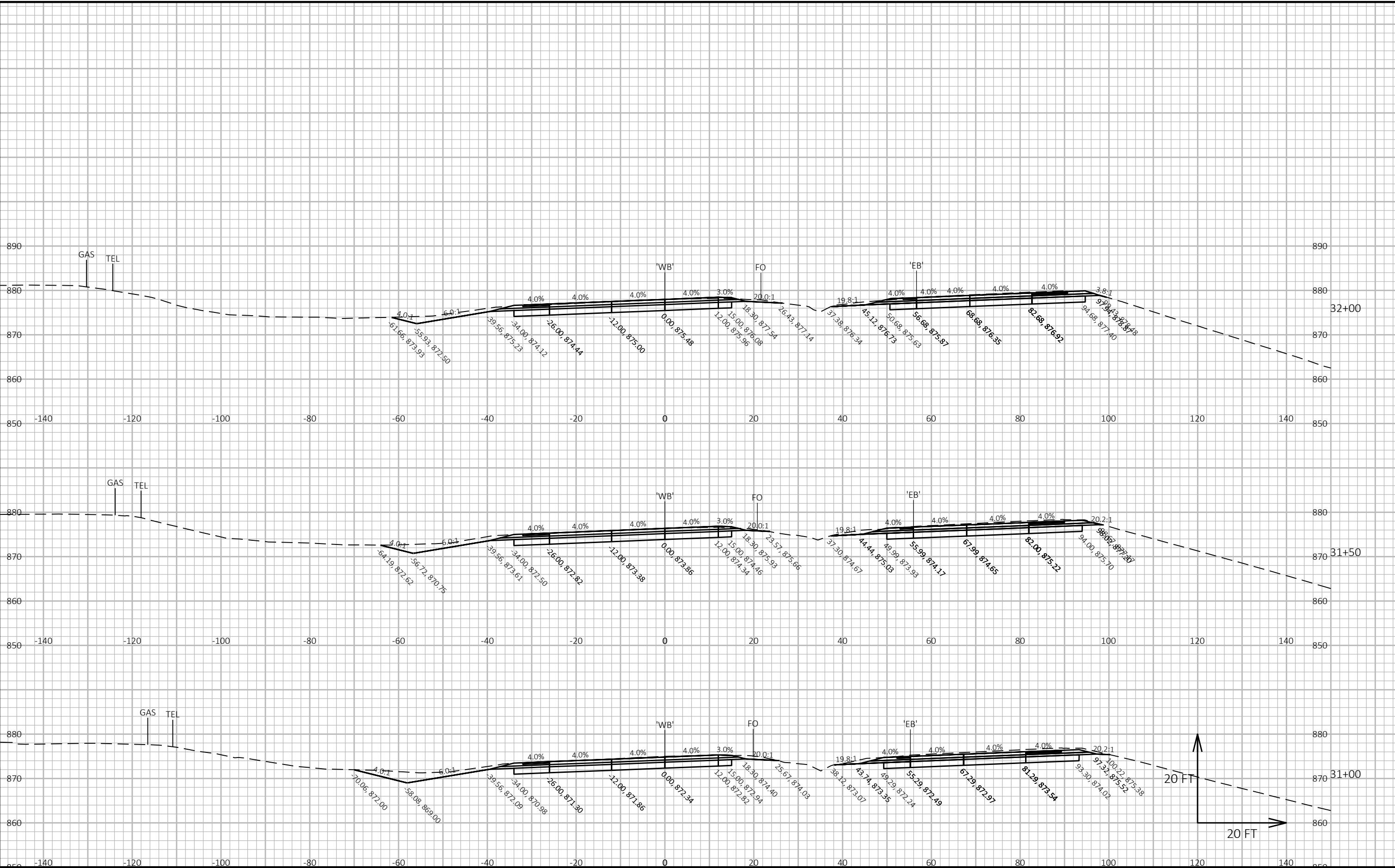
PROJECT NO:	2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CROSS SECTIONS: STH 190 WB	SHEET	E
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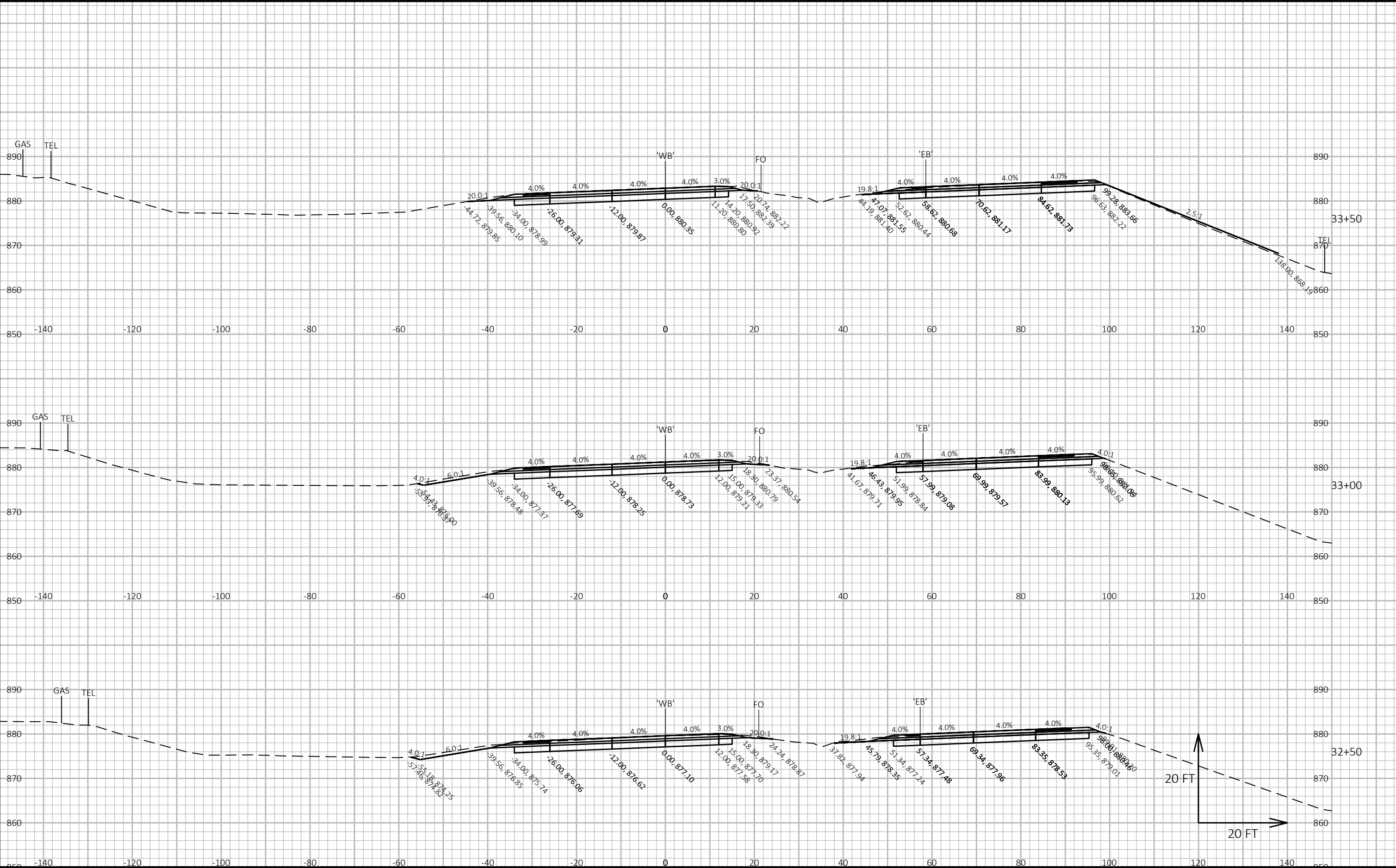


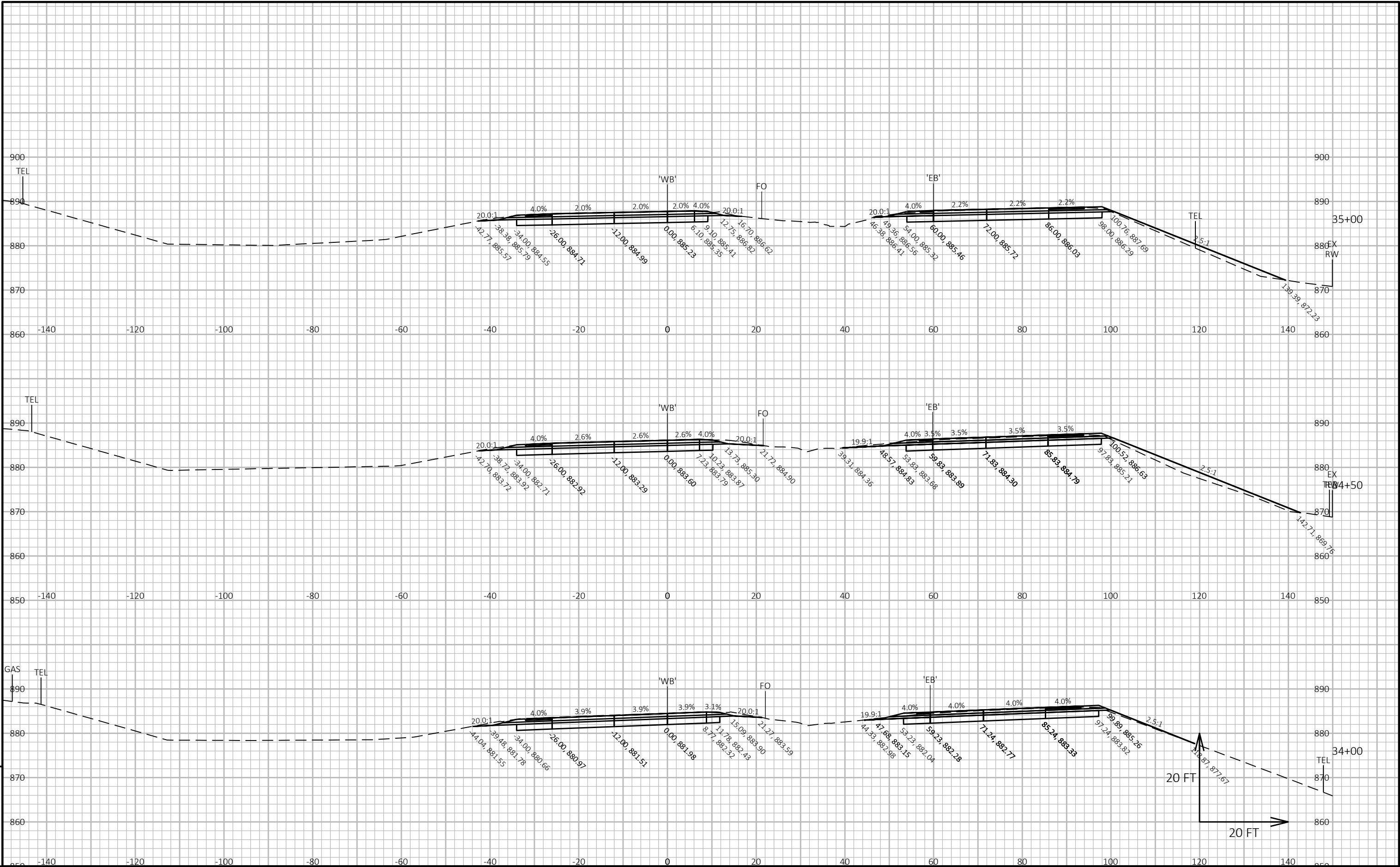


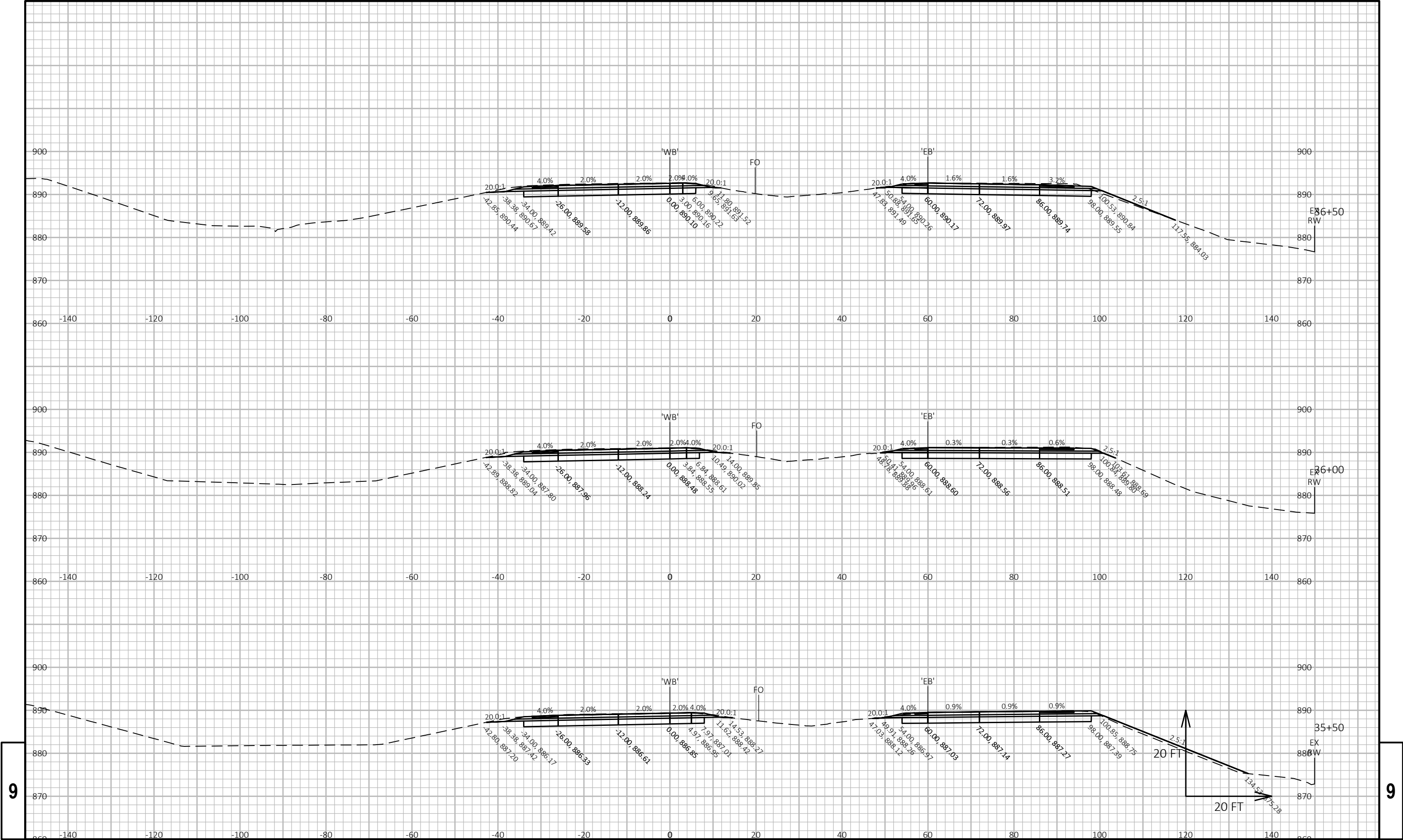










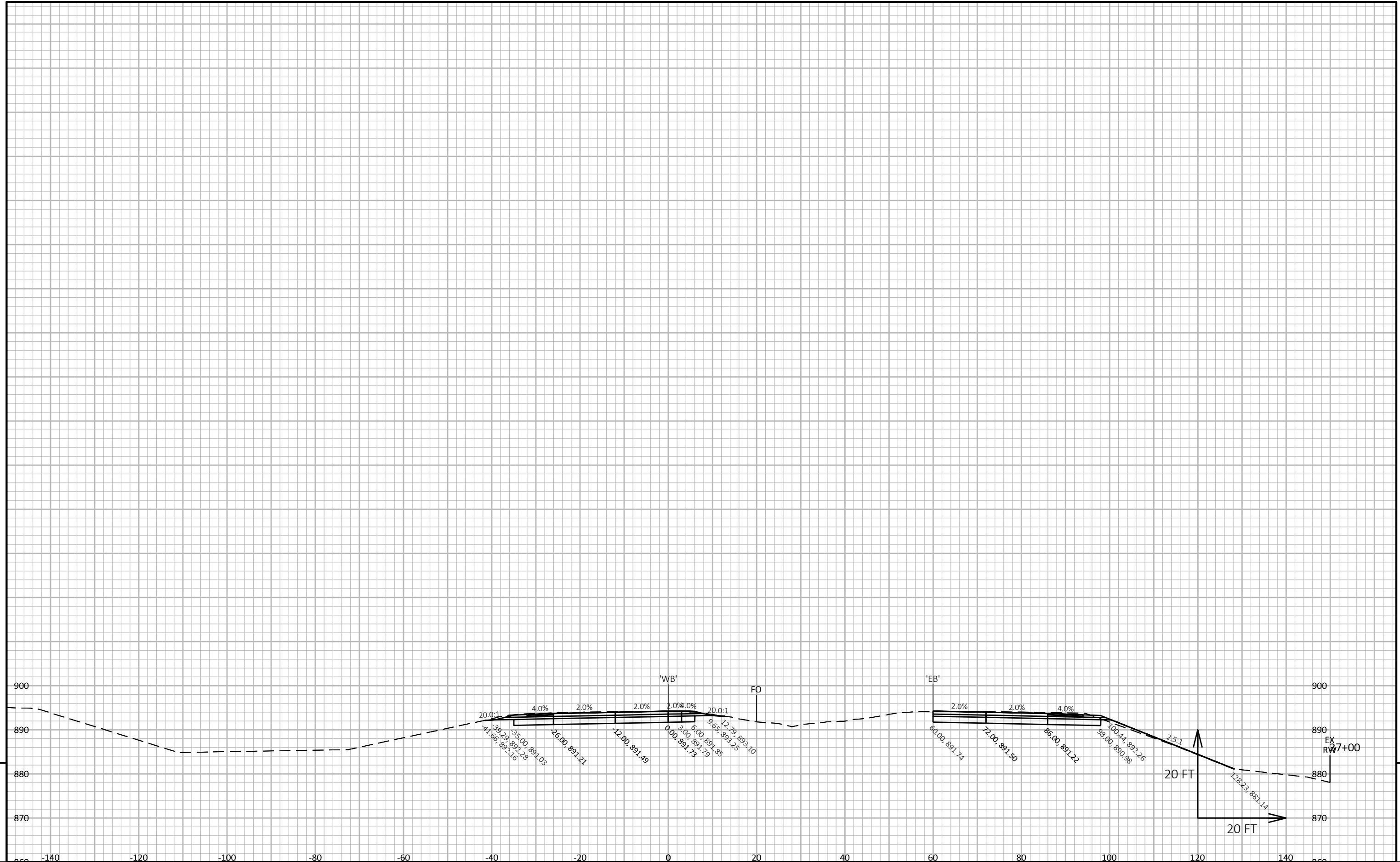


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9

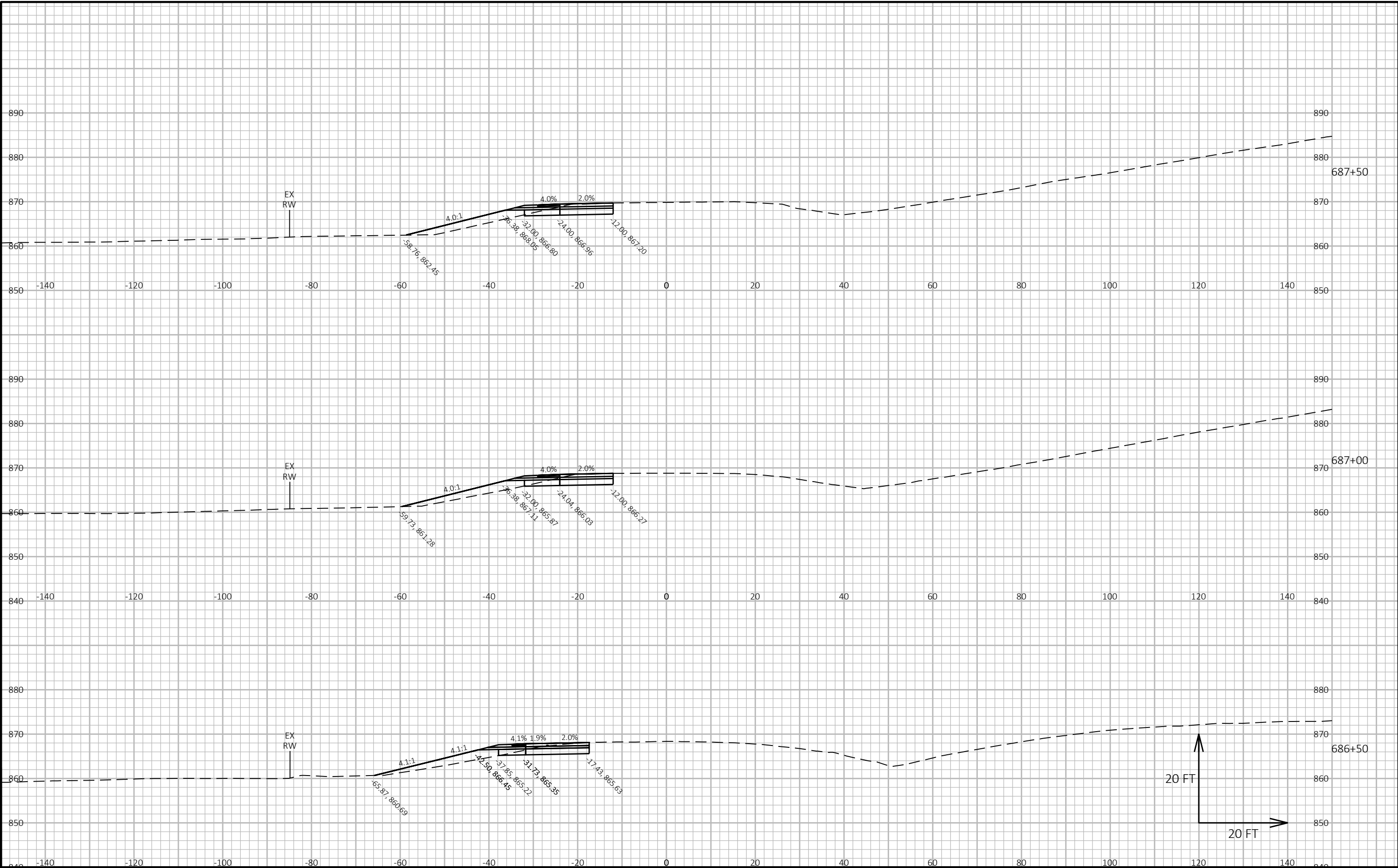
PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CROSS SECTIONS:	STH 190 WB	SHEET	E
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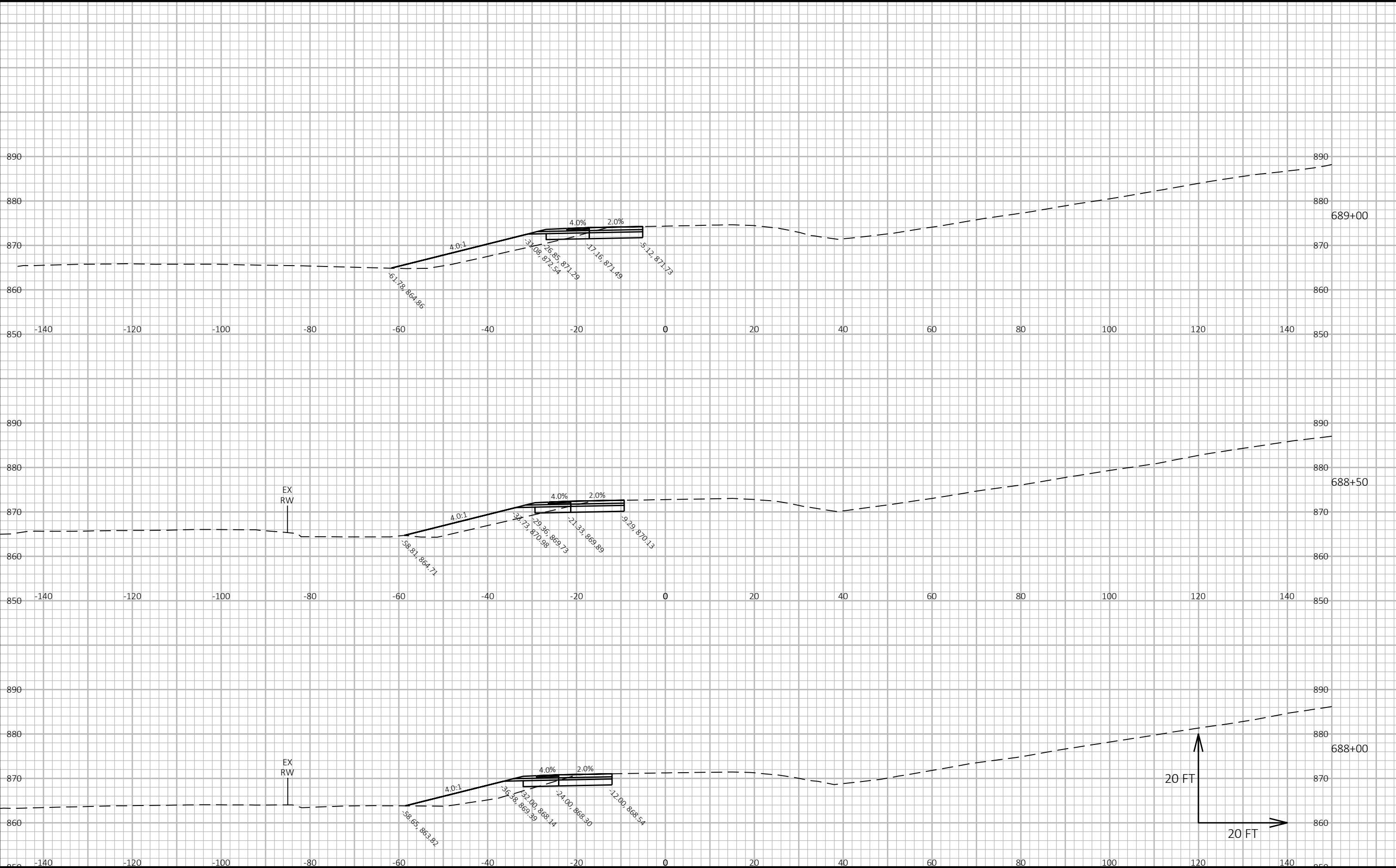
9

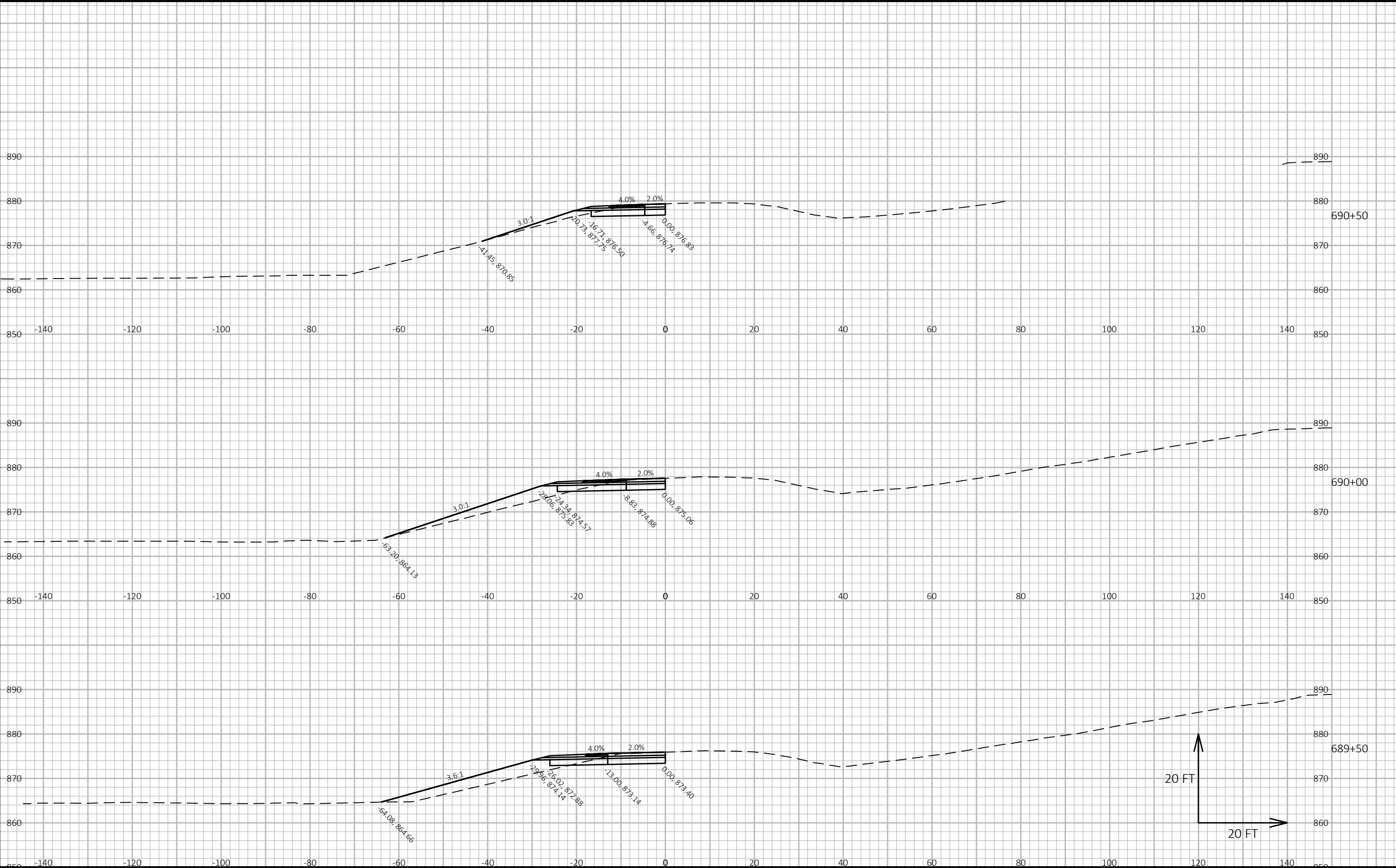


9

PROJECT NO:	2025-07-73	HWY:	STH 190	COUNTY:	WAUKESHA	CROSS SECTIONS:	STH 190 WB	SHEET	E
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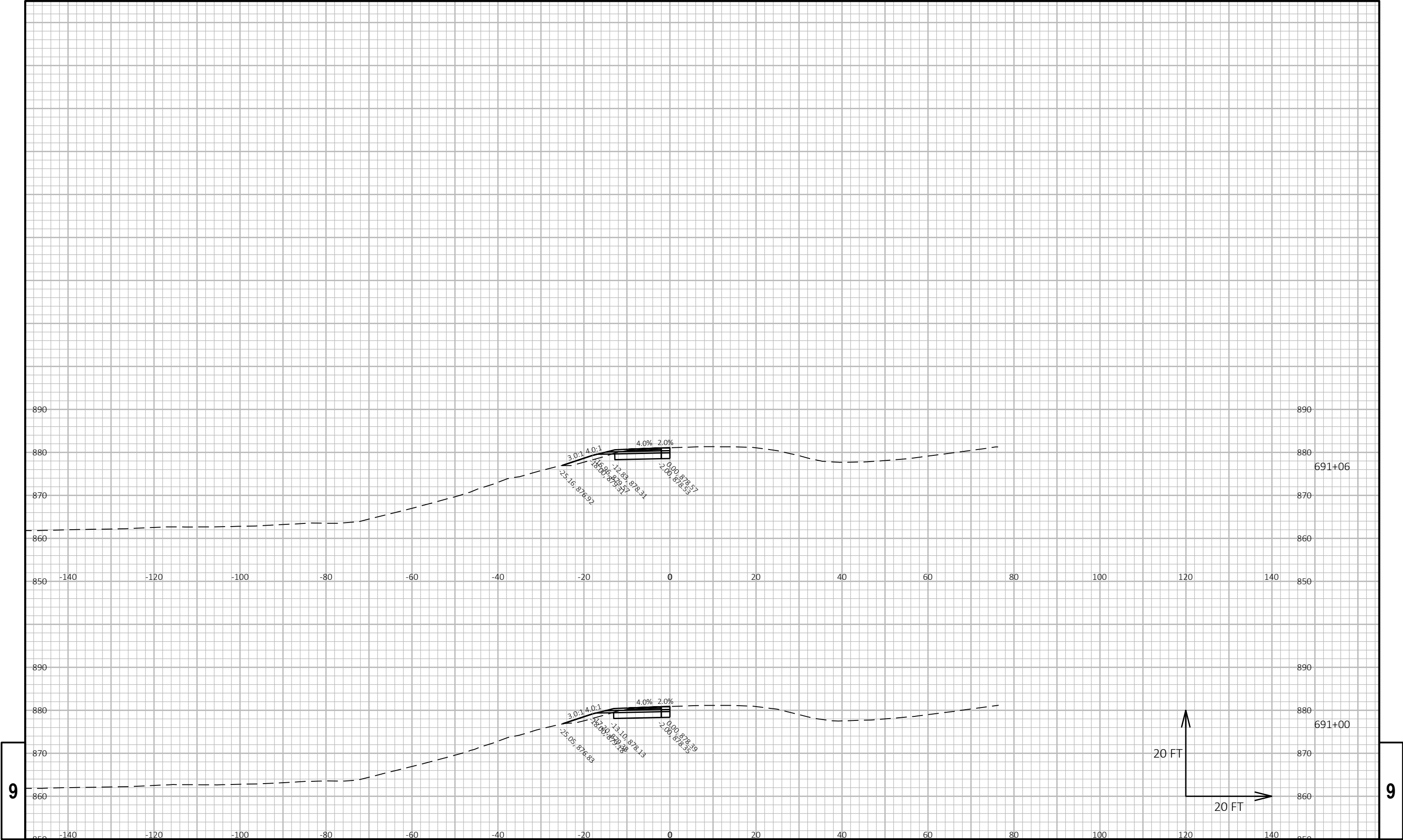




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PROJECT NO: 2025-07-73	HWY: STH 190	COUNTY: WAUKESHA	CROSS SECTIONS: STH 16 OFF RAMP	SHEET	E
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9

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EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

- a. With the plan open in Acrobat, select Document > Insert Pages.
- b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
- c. In the Insert dialog box, choose After for Location and Last page for Page.
- d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

- a. Go to the last sheet of the plan.
- b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

- a. Select File > Save As and save the PDF.

TO REMOVE PRELIMINARY SHEET NUMBERS