Index Of Sheets

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES X	NO

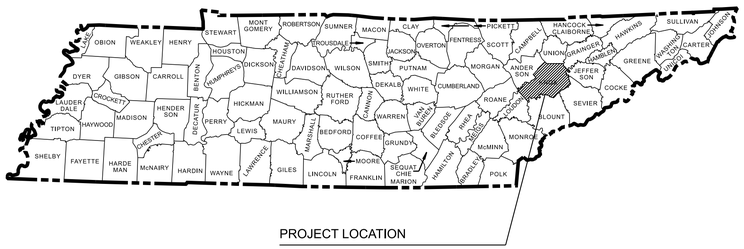
TENN.	YEAR	SHEET NO.
	2023	1
FED. AID PROJ. NO.	BR-I-275-3(136)	
STATE PROJ. NO.	47I275-F2-002	

KNOX COUNTY

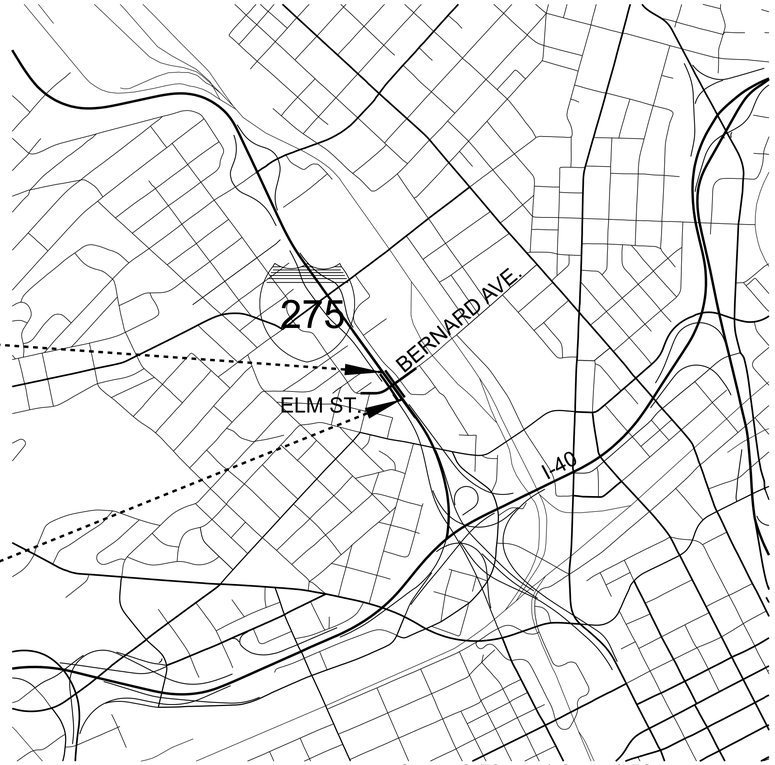
I-275,
BRIDGE OVER
ELM/BERNARD STREET (IA)

ABBREVIATED FUNCTIONAL

STATE HIGHWAY NO. I-275 F.A.H.S. NO. I-275



NO EXCLUSIONS



ELM/BERNARD CLOSED
DURING CONSTRUCTION
I-275 CLOSED ON WEEKENDS

ABBREVIATED FUNCTIONAL SUBMITTAL REVIEW

47I275-F2-002
END PROJECT NO. BR-I-275-3(136) R.O.W.
STA. 57+30.00 I-275
N 603746.0117 E 2580419.1104

47I275-F2-002
BEGIN PROJECT NO. BR-I-275-3(136) R.O.W.
STA. 52+90.00 I-275
N 603388.9396 E 2580676.2083

SCALE: 1"= 1000

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 2 KIMBERLY WELCH, PE
DESIGNED BY : HDR
DESIGNER : BEN CAMPBELL, PE CHECKED BY DAVID HORNE, PE
P.E. NO. 47I275-F1-002 (NEPA)
PIN NO. 124437.00

R.O.W. LENGTH	MILES
ROADWAY LENGTH	0.067 MILES
BRIDGE LENGTH	0.016 MILES
BOX BRIDGE LENGTH	MILES
BOX BRIDGE LENGTH	MILES ▲
PROJECT LENGTH	0.083 MILES

▲ Not included in the project length (Non Riding Surface).

APPROVED: _____ WILL REID, CHIEF ENGINEER
DATE: _____
APPROVED: _____ HOWARD H. ELEY, COMMISSIONER

SURVEY 02-08-21	TRAFFIC DATA	
	ADT (2025)	74,920
	ADT (2045)	83,310
	DHV (2045)	8,331
	D	65 - 35
	T (ADT)	4 %
	T (DHV)	3 %
	V	55 MPH

COORDINATES ARE NAD/83(2011) (____ ADJUSTMENT) ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID 18

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DIVISION ADMINISTRATOR _____ DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION HAZARDOUS MATERIALS	An Asbestos Containing Material (ACM) survey was completed on Bridge No. 47I02750003, I-275 over Elm Street (Bernard Ave) LM 0.39 (47-I0275-00.39). the bridge has approximately 50 linear feet of vertical deck drains at 30% chrysotile and 5% crocidolite. Please see the report for further details and photographs.	
EDHZ002	ENVIRONMENTAL DIVISION HAZARDOUS MATERIALS	The State of Tennessee asbestos accreditation requirements (TDEC Rules Chapter 1200-01-20) mandates that ACM abatement work be performed by an accredited firm (contractor) using accredited abatement workers and supervisors. Abatement of the is material should be accomplished per SP202ACM Special Provision Regarding Remove of Asbestos Containing Materials. ACM abatement should be completed prior to any demolition activities if possible. Prior to the demolition or rehabilitation of any structure (bridge or building), the contractor is required to submit the National Emission Standards for Hazardous Air Pollutants standard 10-day notice of demolition for the TDEC Division of Air pollution Control (per TDOT Standard Specifications for Road and Bridge Construction (January 1, 2015) Sections 107.08 D and 202.03).	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT
COMMITMENTS

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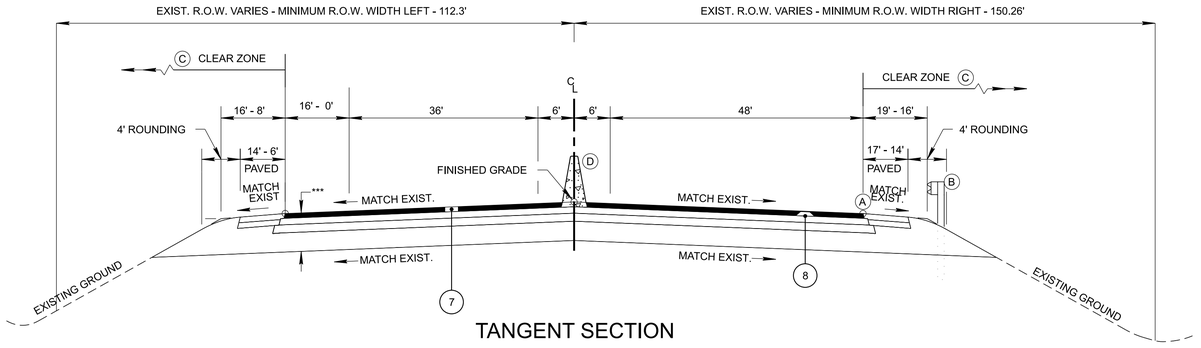
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2022	BR-I-275-3(136)	2B



TANGENT SECTION
(I-275)

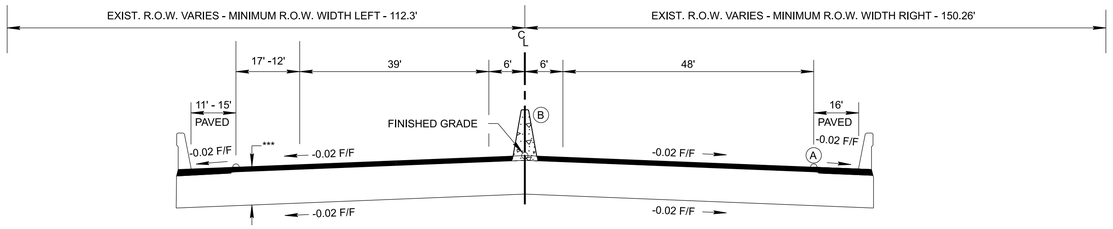
(BASED ON STD. DWG. RD11-TS-5B)
FROM STA. 52+90.00 TO STA. 54+52.41
FROM STA. 55+76.41 TO STA. 57+30.00

(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

(B) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

(C) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

(D) SEE STANDARD DRAWING NO. S-SSMB-2 FOR SINGLE SLOPE BARRIER WALL DETAILS.



TANGENT SECTION
(I-275 BRIDGE DECK)

(BASED ON STD. DWG. RD11-TS-5B)
FROM STA. 54+72.41 TO STA. 55+56.41

(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

(B) SEE STANDARD DRAWING NO. S-SSMB-2 FOR SINGLE SLOPE BARRIER WALL DETAILS.

(1) MINERAL AGGREGATE 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	(5) BITUMINOUS PLANT MIX BASE (HOT MIX) PG76-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 113 LB./S.Y.) 307-03.08 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING "B-M2"
(2) BITUMINOUS PLANT MIX BASE (HOT MIX) PG76-22 GRADING "A-S" @ 3.00" THICK (APPROX. 106 LB./S.Y.) 307-01.22 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING "A-S"	(6) BITUMINOUS PLANT MIX BASE (HOT MIX) PG76-22 GRADING "CS" @ 0.50" THICK (APPROX. 115 LB./S.Y.) 307-03.10 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING "CS"
(3) BITUMINOUS PLANT MIX BASE (HOT MIX) PG64-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 113 LB./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2"	(7) ASPHALTIC CONCRETE SURFACE (HOT MIX) PG76-22 OGFC SUPERPAVE SURFACE @ 1.25" THICK (APPROX. 88 LB./S.Y.) 411-03.23 ASPHALT CEMENT (PG76-22) OGFC
(4) BITUMINOUS PLANT MIX BASE (HOT MIX) PG76-22 GRADING "A" @ 3.50" THICK (APPROX. 115 LB./S.Y.) 307-03.01 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING "A"	(8) TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) AT 0.10 GALLONS/S.Y.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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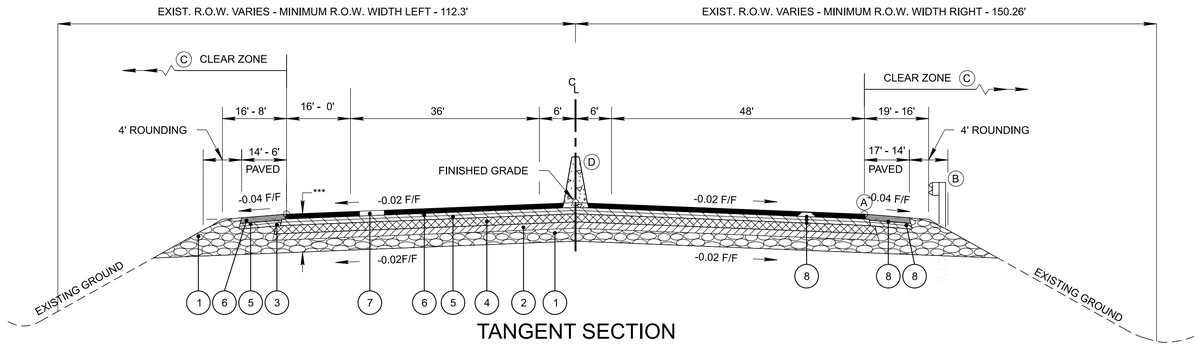
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	2B1



TANGENT SECTION

(I-275)

(BASED ON STD. DWG. RD11-TS-5B)
FROM STA. 54+52.41 TO STA. 54+72.41
FROM STA. 55+56.41 TO STA. 55+76.41

(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

(B) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

(C) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

(D) SEE STANDARD DRAWING NO. S-SSMB-2 FOR SINGLE SLOPE BARRIER WALL DETAILS.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	3

UTILITY

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER “THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT”, THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

(2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

(3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED ‘AROUND’ UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR’S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.

(5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

FIBER:

AT&T LONGHAUL
410 WEST MAGNOLIA
KNOXVILLE, TN 37917
CONTACT: WAYNE BROWNING
OFFICE PHONE: 865 755 4872
CELL PHONE: ___ ___ ____
Email: WAYNE.BROWNING@ATT.COM

SEWER:

KNOXVILLE UTILITIES BOARD
PO BOX 59017
KNOXVILLE, TN 37950-9017
CONTACT: LES BEAVER
OFFICE PHONE: 865 558 2737
CELL PHONE: 865 803 2698
Email: LES.BEAVER@KUB.ORG

GAS:

KNOXVILLE UTILITIES BOARD
PO BOX 59017
KNOXVILLE, TN 37950-9017
CONTACT: BRIT ELMORE
OFFICE PHONE: 865 558 2422
CELL PHONE: 931 224 1421
Email: BRIT.ELMORE@KUB.ORG

TELEPHONE:

SPRINT COMMUNICATIONS
EMAIL ONLY, NO ADDRESS
___
CONTACT: STEVE THOMPSON
OFFICE PHONE: 678 852 2726
CELL PHONE: ___ ___ ____
Email: STEVE.R.THOMPSON@SPRINT.COM

WATER:

KNOXVILLE UTILITIES BOARD
PO BOX 59017
KNOXVILLE, TN 37950-9017
CONTACT: LES BEAVER
OFFICE PHONE: 865 558 2737
CELL PHONE: 865 803 2698
Email: LES.BEAVER@KUB.ORG

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DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
NOTES,
UTILITY NOTES
AND
UTILITY OWNERS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	3A

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
1	WILLIAM JAMES CORTESE	094FE	023.00	20150504	0059417	1.630		1.630				1.630					
2	ALEX A. SHAFER, JR. AND SHAFER CONSTRUCTION AND MANAG	094CJ	016.00	20080128	0056664	1.673		1.673				1.673					
3	SHAFER CONSTRUCTION AND MANAGEMENT, LLC.	094CJ	004.01	20160816	0010948	4045 S.F.		4045 S.F.				4045 S.F.					
				20160816	0010947												
4	KNOX ONCORE LLC	094FF	008.00	20220630	0097533		0.468	0.468					0.468				
5	STORE MASTER FUNDING V LLC	094CH	017.00	20140106	0040658		3646 S.F.	3646 S.F.					3646 S.F.				
6	STORE MASTER FUNDING V LLC	094CH	016.00	20140106	0040658		3895 S.F.	3895 S.F.					3895 S.F.				
7	ANTHONY M SAFFLES	094CH	011.00	20100625	0080370		0.602	0.602					0.602				
8	STORE MASTER FUNDING V LLC	094CH	001.00	20140106	0040658		0.254	0.254					0.254				
9	STORE MASTER FUNDING V LLC	094CH	002.00	20140106	0040658		0.508	0.508					0.508				
10	KNOX COUNTY EMERGENCY COMMUNICATIONS DISTRICT	094CG	014.00	20001228	0042555		2.383	2.383					2.383				
11	KNOX COUNTY EMERGENCY COMMUNICATIONS DISTRICT	094CG	014.01	20001228	0042555		1.023	1.023					1.023				
12	SHAFER CONSTRUCTION & MANAGEMENT LLC	094CG	007.00	20001012	0025873		2.098	2.098					2.098				
13	ROBERT WEMYSS MONDAY	094CG	001.00	20061116	0042053		1.802	1.802					1.802				
14	MARY GWYN GST EXEMPT FAMILY TRUST	094CF	011.00	20170823	0012443		1.093	1.093					1.093				
ACQUISITION TOTALS (ACRES)																	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE

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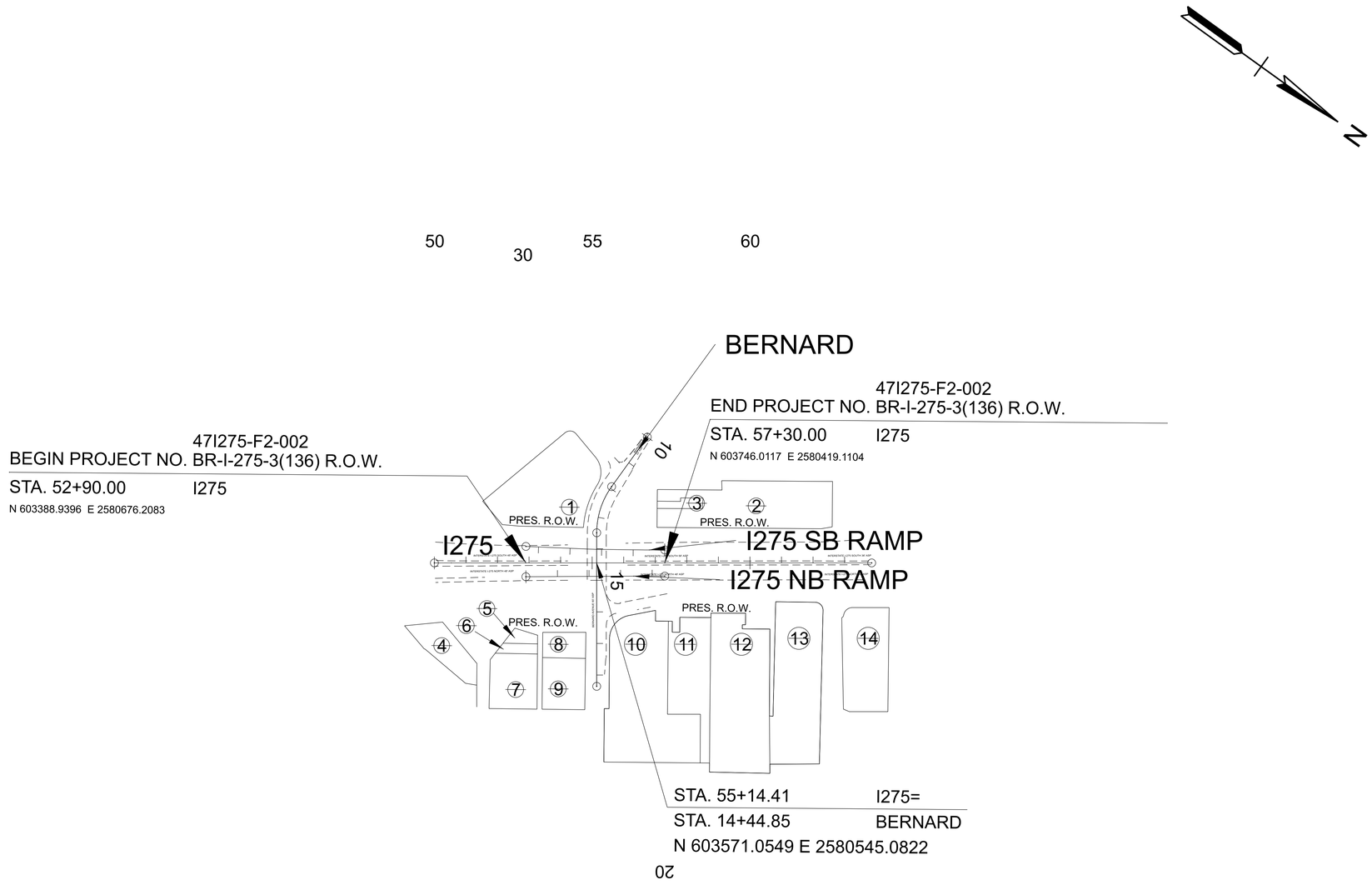
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	3B



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 52+90 TO STA. 57+30
SCALE: 1" = 200'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	4

CONTROL POINTS					
Point	Northing	Easting	Elevation	Station	Offset
47-I275-10	603405.1882	2580760.2826	918.45	52+54.06	77.72
47-I275-18	603495.3093	2580233.3408	916.45	56+35.10	-297.25
47-I275-19	603719.6823	2580820.2133	902.79	54+74.26	310.122

BERNARD
CURVE 01
PI 12+74.01
N 603468.1624
E 2580402.1359
Δ 35°47'05" LT.
D 22°55'06"
R 250.00'
L 156.14'
T 80.71'
SE FT/FT
TRANS. LENGTH '
DESIGN SPEED MPH

47I275-F2-002
BEGIN PROJECT NO. BR-I-275-3(136) R.O.W.
STA. 52+90.00 I275
N 603388.9394 E 2580676.2084

STA. 50+00.00
N 603153.5963
E 2580845.6594

I275 SB RAMP

I275 NB RAMP

STA. 55+14.41 I275=
STA. 14+44.85 BERNARD
N 603571.0549 E 2580545.0822

47I275-F2-002
END PROJECT NO. BR-I-275-3(136) R.O.W.
STA. 57+30.00 I275
N 603746.0117 E 2580419.1104

I275

BERNARD

BERNARD AVENUE 60' ASP

SHAFER CONSTRUCTION AND MANAGEMENT
STA. 10+00.00
N 603468.3460
E 2580128.1284

WILLIAM JAMES CORTESE

ALEX A. SHAFER, JR. AND SHAFER CONSTRUCTION AND MANAGEMENT

KNOX ONCORE LLC

ANTHONY M SAFFLES

KNOX COUNTY EMERGENCY COMMUNICATIONS DISTRICT

KNOX COUNTY EMERGENCY COMMUNICATIONS DISTRICT

SHAFER CONSTRUCTION & MANAGEMENT LLC

STORE MASTER FUNDING V LLC

EXIST. LIGHT POLE
REPLACE IN EXISTING LOCATION

EXIST. WALL MOUNT UNDERPASS LIGH
REPLACE IN EXISTING LOCATION

EXIST. F.O. CABLE

EXIST. ELECTRICAL DEMARC

EXIST. CCTV 58 ANTENNA CAMERA POLE CABINET

OVERHEAD SIGN

CANTILEVER SIGN

INTERSTATE I-275 SOUTH 48' ASP

INTERSTATE I-275 NORTH 48' ASP

INTERSTATE I-275 SOUTH 58' ASP

INTERSTATE I-275 NORTH 48' ASP

BEGIN EXIST. BR.
STA. 54+47.83

END PROP. BR.
STA. 55+80.99

PT STA. 13+49.44

47-I275-10

47-I275-19

STA. 18+35.79
N 603799.4408
E 2580862.3739

STA. 20+00.00
N 603721.9981
E 2580383.7588

STA. 34+40.02
N 603770.5012
E 2580453.1087

STA. 30+00.00
N 603414.5439
E 2580711.7344

STA. 24+40.27
N 603334.4159
E 2580633.4811

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 52+90 TO STA. 57+30
SCALE: 1" = 50'

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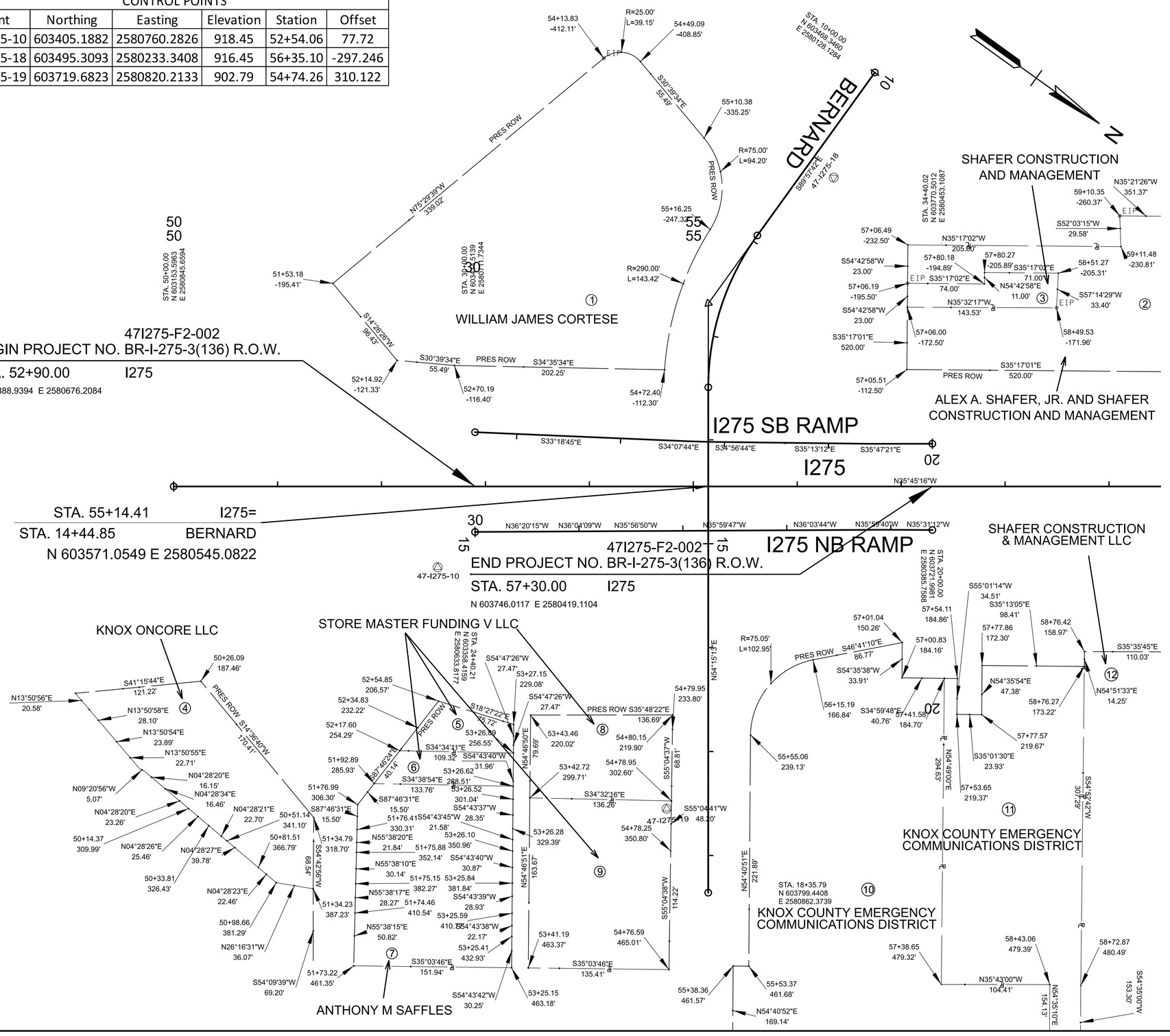
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	4A

CONTROL POINTS					
Point	Northing	Easting	Elevation	Station	Offset
47-I275-10	603405.1882	2580760.2826	918.45	52+54.06	77.72
47-I275-18	603495.3093	2580233.3408	916.45	56+35.10	-297.246
47-I275-19	603719.6823	2580820.2133	902.79	54+74.26	310.122



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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 52+90 TO STA. 57+30
SCALE: 1" = 50'

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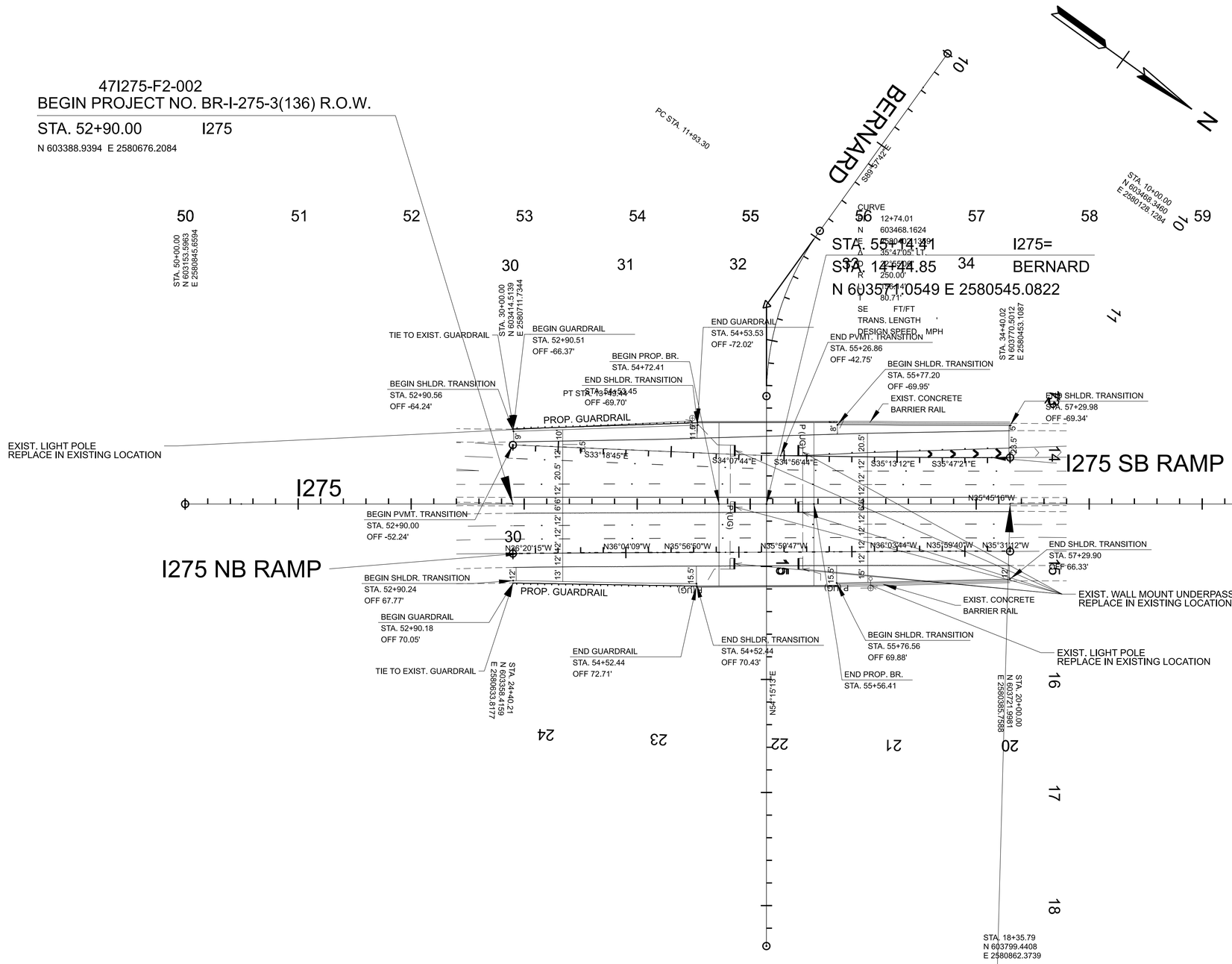
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	4B



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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 52+90 TO STA. 57+30
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	4C

47I275-F2-002
BEGIN PROJ. NO. BR-I-275-3(136) ROW
STA. 52+90.00
N 603388.9396 E 2580676.2083

47I275-F2-002
END PROJ. NO. BR-I-275-3(136) ROW
STA. 57+30.00
N 603746.0117 E 2580419.1104

I275= BERNARD
STA. 55+14.41
STA. 14+44.85
N 603571.05 E 2580545.08

PROP. GRADE LINE
VC = 26.88'
K = 136

VC = 74.20'
K = 136

VPI STA. 52+90.00 EL. 921.38
VPC STA. 53+36.56 EL. 921.58
VPT STA. 53+63.44 EL. 921.72
VPC STA. 54+19.82 EL. 922.07
VPI STA. 54+35.00 EL. 922.17
VPT STA. 54+50.18 EL. 922.23
VPC STA. 55+69.53 EL. 922.74
VPI STA. 56+00.00 EL. 922.86
VPT STA. 56+30.47 EL. 922.87
VPC STA. 56+50.38 EL. 922.87
VPT STA. 57+24.58 EL. 923.09
VPI STA. 57+30.00 EL. 923.12

+0.43%
+0.62%
+0.42%
+0.02%
+0.56%

CB5
STA. 56+11.11
69.95' (LT)
TOP 921.47
INVERT 915.62

CB8
STA. 56+13.51
69.80' (RT)
TOP 920.86
INVERT 915.85

CB6
STA. 56+15.75
70.08' (LT)
TOP 921.45
INVERT 915.62

EXIST. GROUND

EXIST. GROUND

47-I275-10
XCP
STA. 52+54.06 OFF. 77.72
N 603405.1882
E 2580760.2826
EL. 918.45'
ALUM. DISK

VPI STA. 53+50.00 EL. 921.64

BEGIN PROP. BR.
STA. 53+72.41

15" ST

VC = 30.35'
K = 151

CB2
STA. 53+93.12
111.36' (LT)
TOP 903.91
INVERT 901.26

VC = 30.94'
K = 151

15" ST

VPI STA. 56+87.48 EL. 922.88

47-I275-18
XCP
STA. 56+35.10 OFF. -297.25
N 603495.3093
E 2580233.3408
EL. 916.45'
ALUM. DISK

END PROP. BR.
STA. 55+56.41

UNDERGROUND FIBER
STA. 54+68.32

47-I275-19
XCP
STA. 54+74.26 OFF. 310.12
N 603719.6823
E 2580820.2
EL. 902.79'
ALUM. DISK

12" GAS LINE
STA. 54+87.76

8" GAS LINE
STA. 54+80.79

CB7
STA. 55+55.80
116.73' (RT)
TOP 900.93
INVERT 859.06

DI3
STA. 56+00.71
119.64' (RT)
TOP 901.42
INVERT 899.15

8" SANITARY SEWER
STA. 55+34.51
EL. 897.224'

24" STORM SEWER
STA. 54+83.34
EL. 896.995'

970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890 885 880 875 870

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 52+90 TO STA. 57+30.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	5

ENVIRONMENTAL NOTES

SUBSECTION 1 – ENVIRONMENTAL GENERAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

(1) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.

(2) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

(3) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).

(4) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

(5) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

SUPPORT ACTIVITIES

ENVIRONMENTAL

(6) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

(1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

(2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.

(3) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.

(4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

SCOPE OF WORK

(5) SEE PROJECT COMMITMENTS, SHEET 1B FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

(6) REPLACEMENT OF I-275 BRIDGE OVERPASS AT BERNARD AVENUE WITH RESURFACING AND APPROACH WORK.

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

DISTURBED AREA

(1) IF DISTURBED ACREAGE IS EQUAL TO ONE ACRE OR MORE, PLEASE CONTACT TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION AS SOON AS POSSIBLE BECAUSE AN NPDES PERMIT WILL BE REQUIRED.

SEDIMENT CONTROL

(6) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

(8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFFSITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE NEGOTIATED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.

(30) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.

(31) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

(32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.

(33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

(34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.

(35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.

(36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

(37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

(38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.

(39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

(40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

(44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.

(45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

(46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

(47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

(48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

(49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

(50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	6

(51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

(52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.

(53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO STORING 1320 GALLONS ON SITE.

SUBSECTION 4 – EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES

UTILITY RELOCATION

(5) STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

(8) IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFFSITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFFSITE AND ENTERING WATERS OF THE STATE/U.S.

(9) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(10) IN REGARD TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

(11) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT RESPONSIBLE PARTY.

(14) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT RESPONSIBLE PARTY BEFORE COMMENCING WORK.

EPSC GENERAL SCOPE OF WORK

STAGE I – CLEARING AND GRUBBING

1. INSTALL PERIMETER CONTROLS – SILT FENCE WITH BACKING, WATTLES
2. INSTALL CATCH BASIN PROTECTION – EC-STR-19, DETAIL D
3. INSTALL INLET PROTECTION – EC-STR-39, TYPE 4

STAGE II – FINAL CONSTRUCTION

1. REMOVE PERIMETER CONTROLS
2. REMOVE CATCH BASIN PROTECTION
3. REMOVE INLET PROTECTION

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
✱ SFB ✱ SFB ✱	SILT FENCE WITH WIRE BACKING	EC-STR-3C
(D)	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
✕✕ TUBE ✕✕ TUBE	SEDIMENT TUBE	EC-STR-37
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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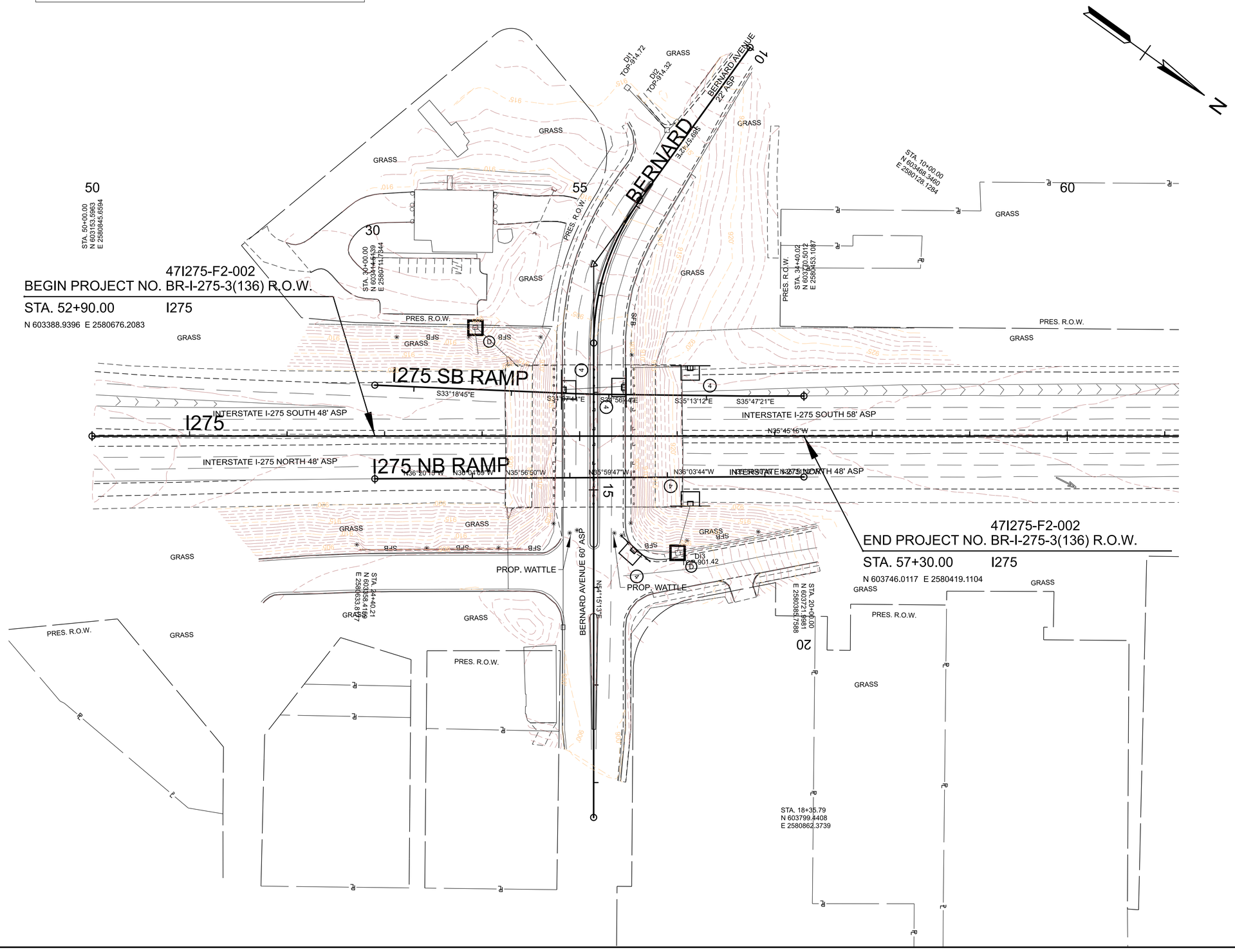
NOTES
1. REFER TO LEGEND ON SHEET 2E1
2. ALL LAND DISTURBANCE AND CLEARING SHALL BE CONTAINED WITHIN THE EXISITING RIGHT-OF-WAY.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	7



STAGE I & II
EXISTING CONTOURS SHOWN

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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 52+90 TO STA. 57+70
SCALE: 1" = 50'

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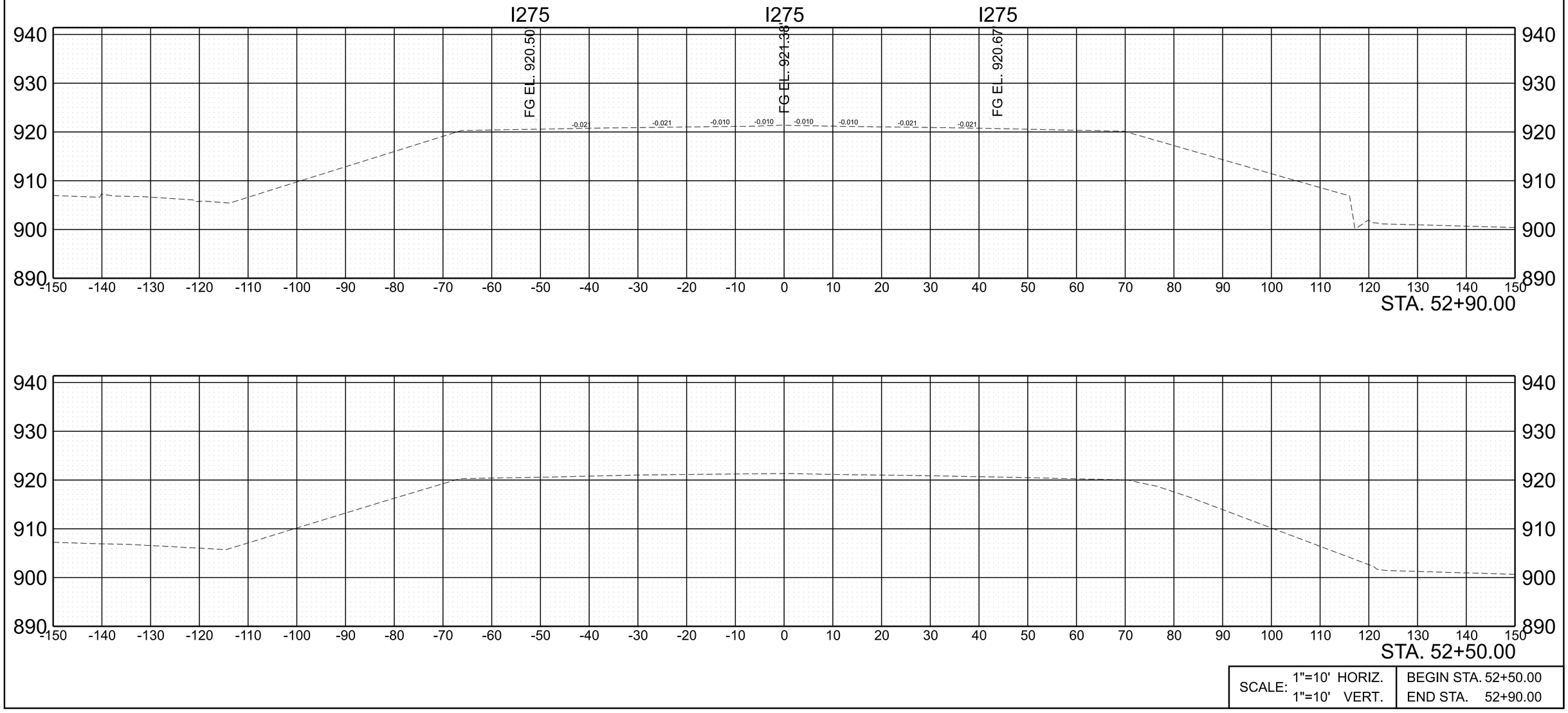
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	8



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	1"=10' VERT.	END STA. 52+90.00

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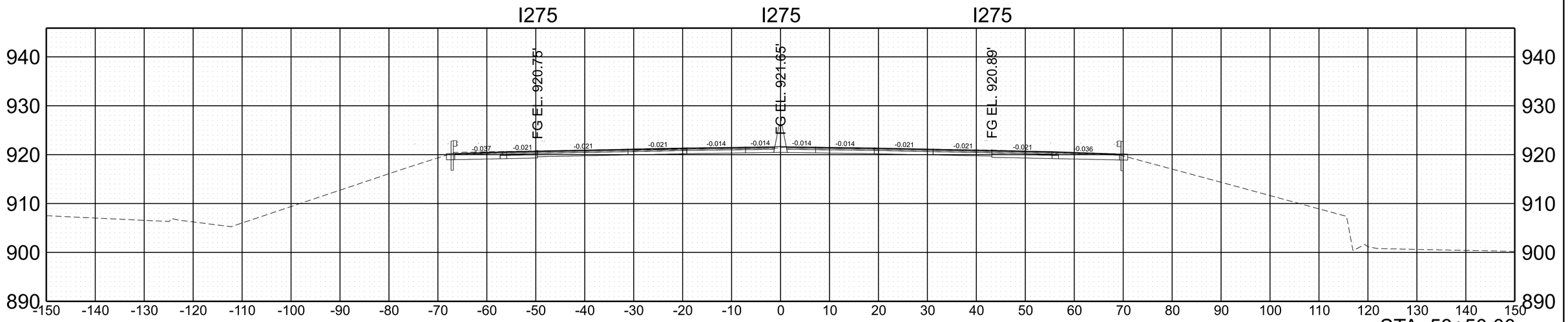
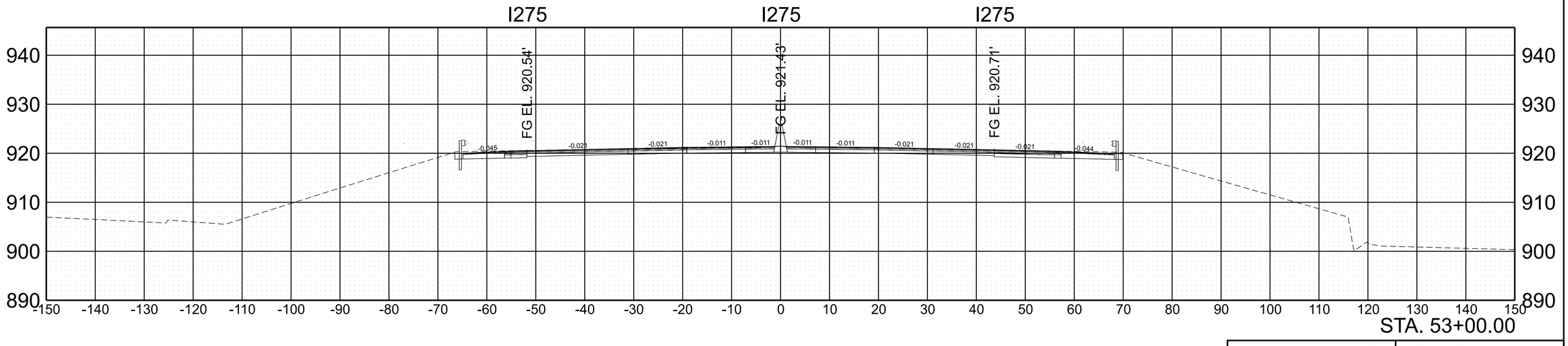
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	9





SCALE:	1"=10' HORIZ.	BEGIN STA. 53+00.00
	1"=10' VERT.	END STA. 53+50.00

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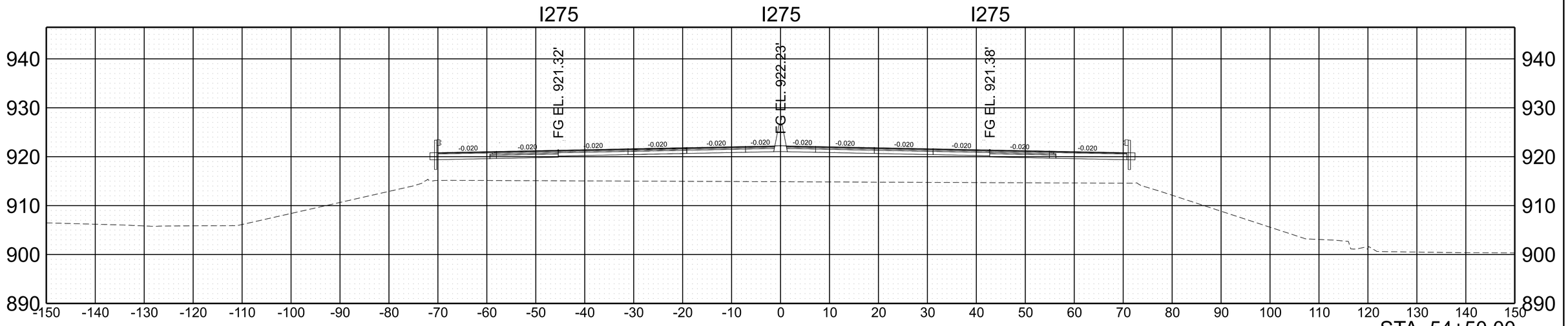
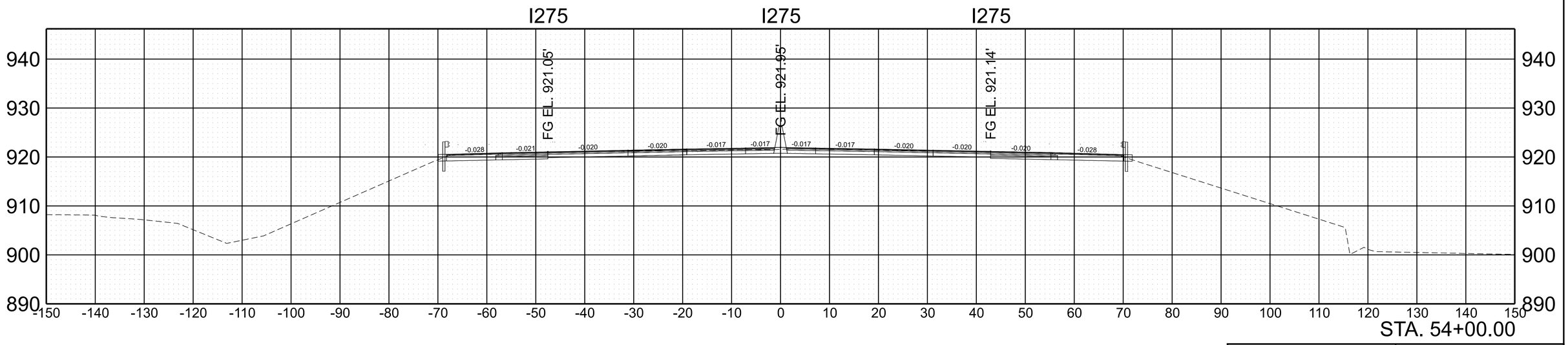
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	10





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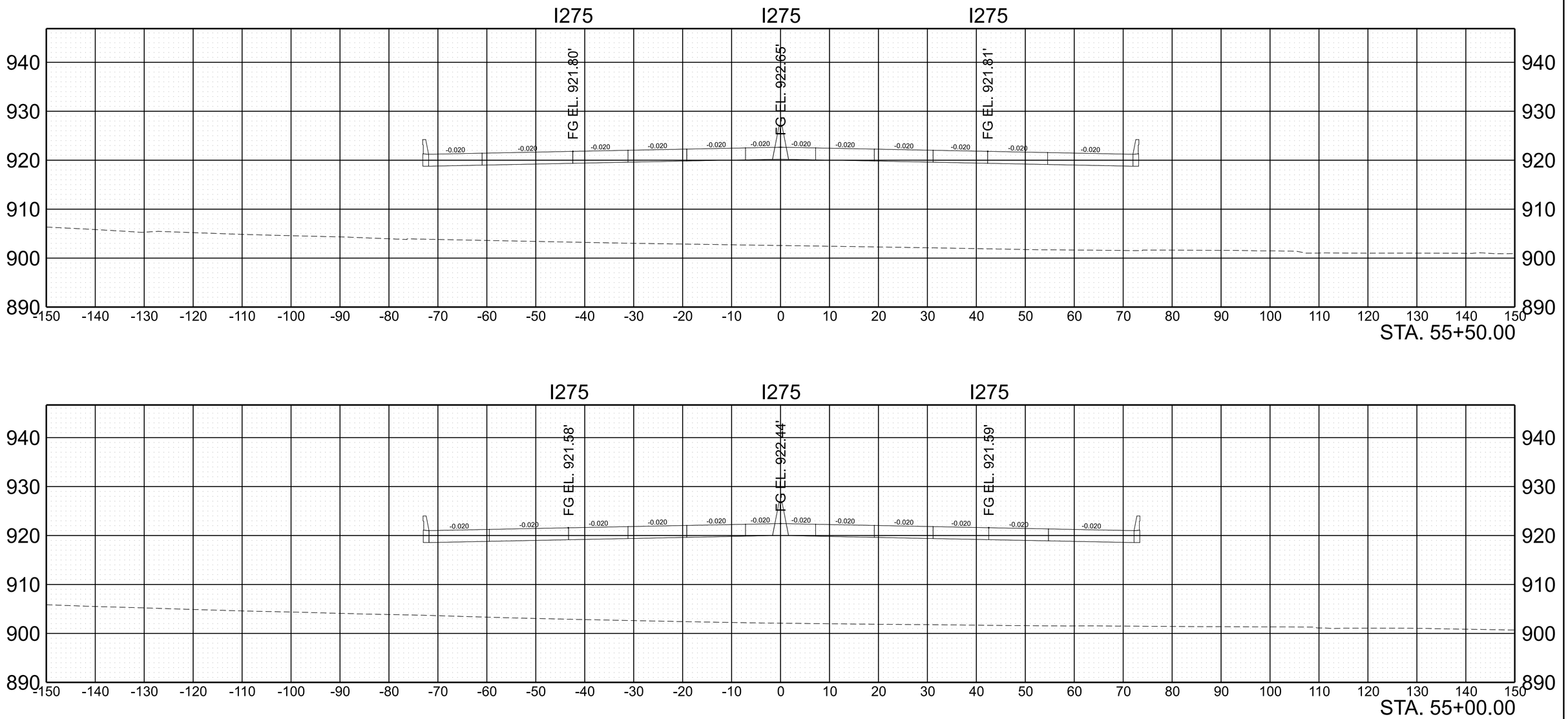
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	11



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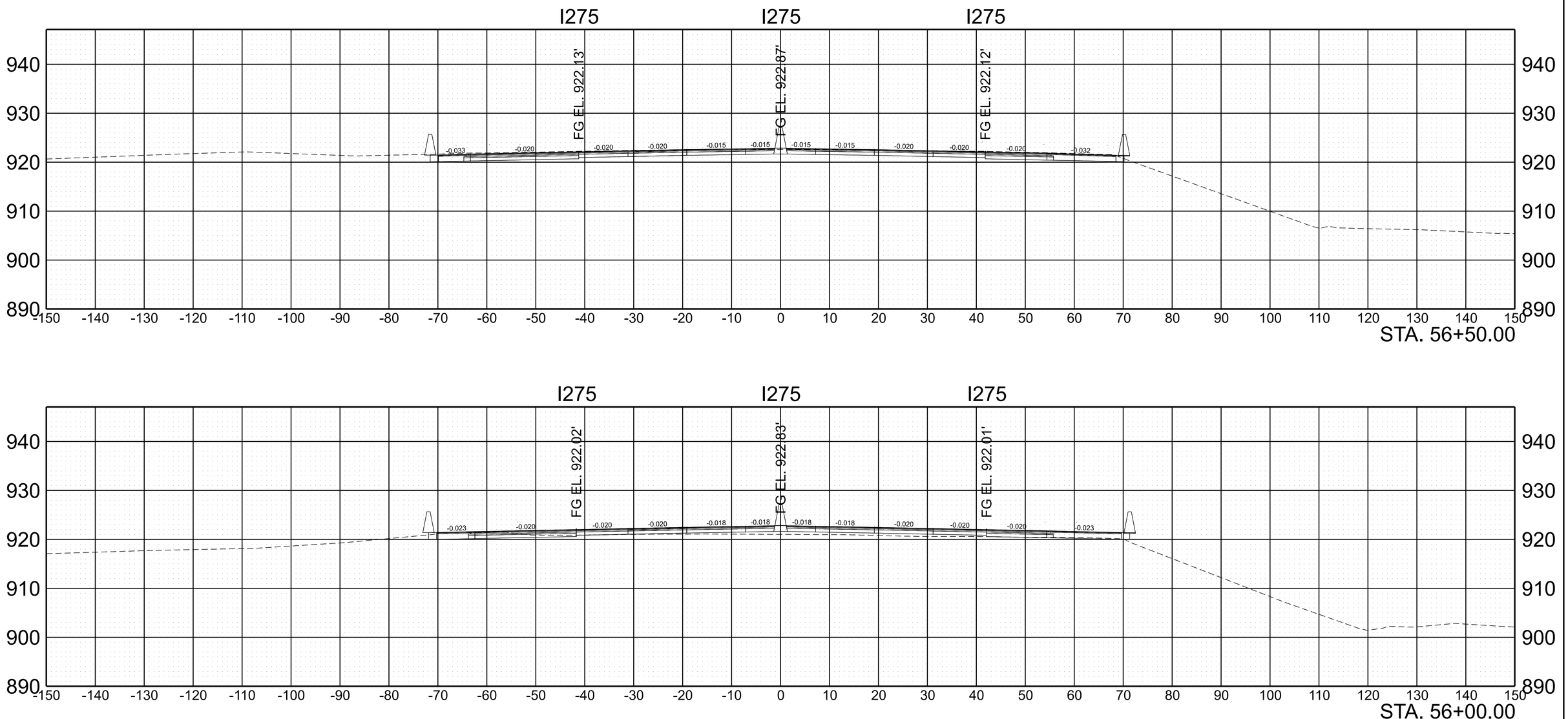
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	12



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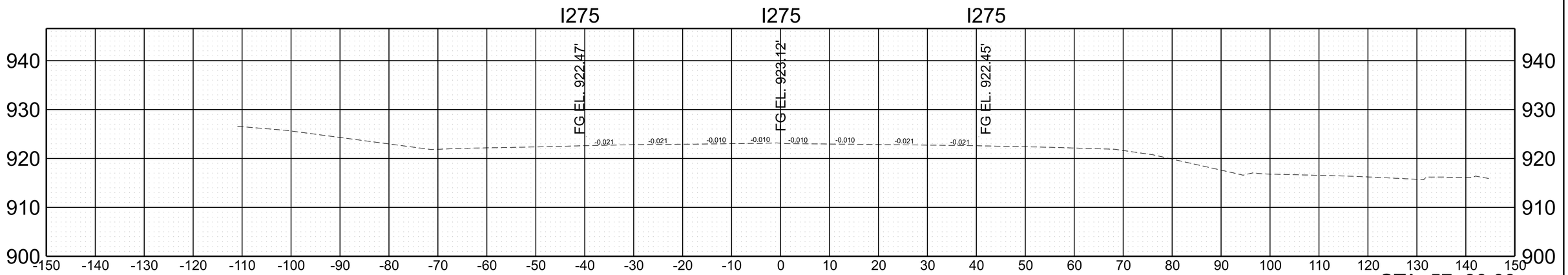
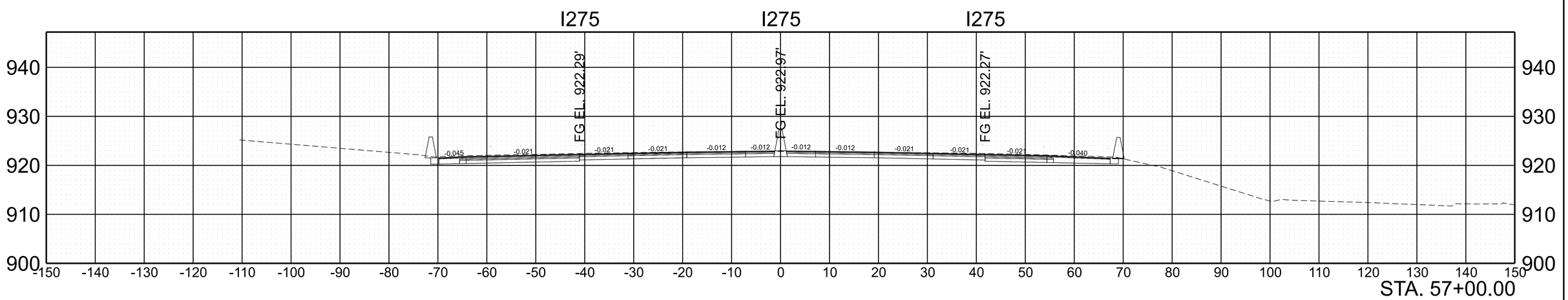
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	13





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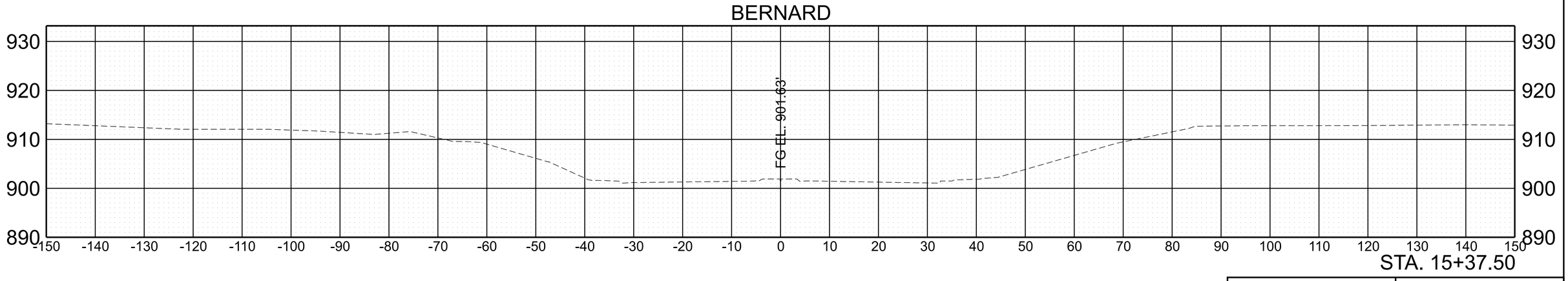
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	14



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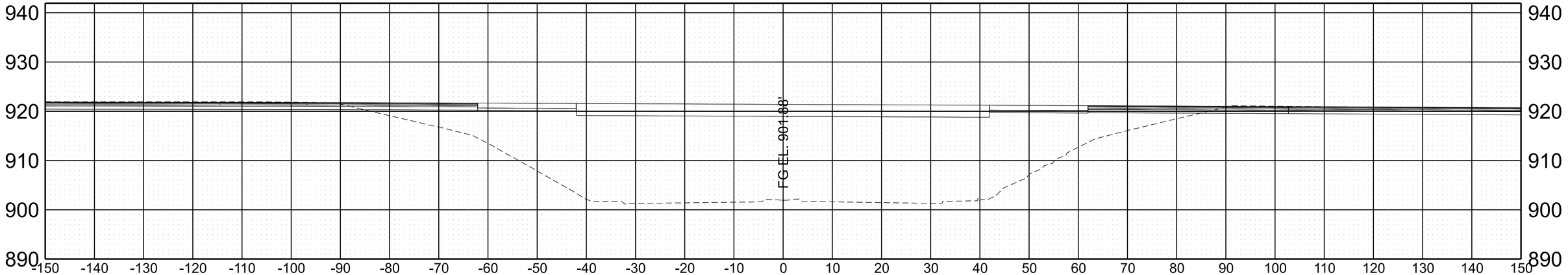
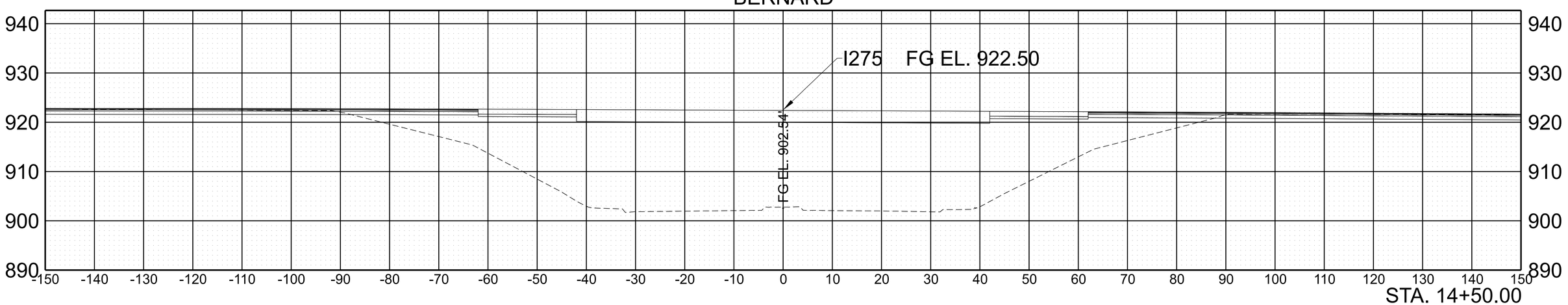
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	15

BERNARD



STA. 15+00.00

BERNARD



STA. 14+50.00

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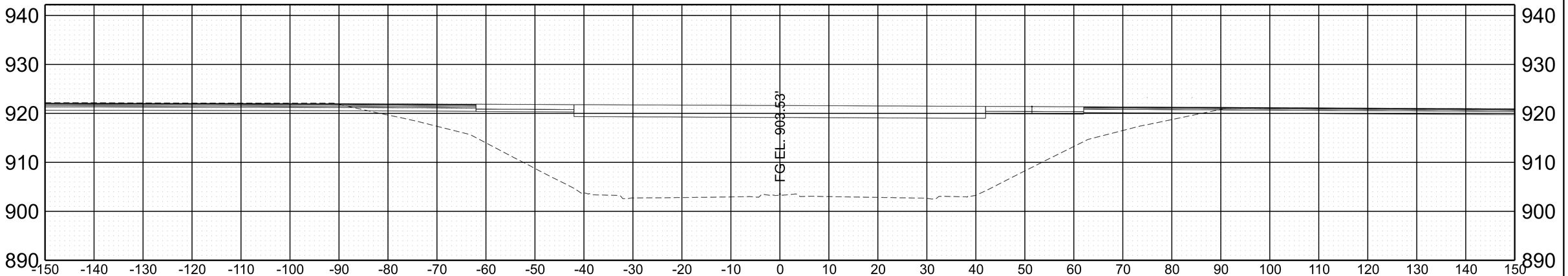
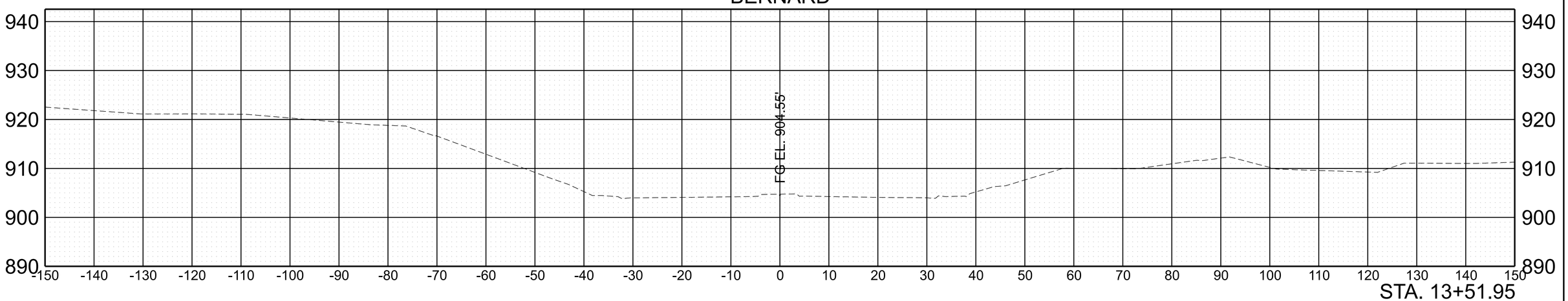
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	16

BERNARD



STA. 14+00.00

BERNARD



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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

   a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

GENERAL PHASING NOTES

- THE CONSTRUCTION SIGNING PLAN IS TO SERVE AS A GUIDE ONLY. OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PORTABLE SIGNS MAY BE USED AT SOME LOCATIONS WITH THE ENGINEER'S APPROVAL. THE CONTRACTOR SHALL REFER TO SECTION 6 OF THE MUTCD REGARDING PORTABLE SIGNS.
- PRIOR TO COMMENCEMENT OF ANY WORK, ALL NECESSARY ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE ERECTED AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE MUTCD AND TDOT STANDARD DRAWINGS.
- DURING CONSTRUCTION PHASING, NO CONSTRUCTION SIGN OR PERMANENT SIGN SHALL BE LEFT UNCOVERED OR IN PLACE WHICH MAY GIVE CONFLICTING DIRECTION OR INFORMATION TO MOTORISTS.
- ACCESS TO PROPERTIES MUST BE MAINTAINED AT ALL TIMES.

LANE CLOSURE, TRAFFIC DIVERSION & ROAD CLOSURE GUIDELINES

- ANY TEMPORARY LANE CLOSURES OR DIVERSIONS OF ANY TRAFFIC FLOW AT ANY LOCATION ALONG THE PROJECT MUST BE APPROVED IN ADVANCE BY THE ENGINEER.
- ROAD CLOSURES MUST BE APPROVED IN ADVANCE BY THE ENGINEER.
- ROAD CLOSURES MUST BE COORDINATED WITH THE COUNTY ROAD SUPERINTENDENT(S) AND REGION 4 CONSTRUCTION DISTRICT.

CONSTRUCTION PHASING

PHASE 1

- I-275 BRIDGE: BRIDGE TO BE CLOSED ON WEEKENDS ONLY. ONE SIDE OF BRIDGE TO REMAIN OPEN. INSTALL TRAFFIC CONTROL MEAUSRES. CONSTRUCT ONE SIDE OF BRIDGE ON WEEKEND.
- BERNARD AVE: TO BE CLOSED DURING CONSTRUCTION. INSTALL TRAFFIC CONTROL MEASURES.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	TEMPORARY BARRICADE (TYPE III)
	FLEXIBLE DRUMS (CHANNELIZING)
	ARROW BOARD TYPE C (SINGLE ARROW)
	ARROW BOARD TYPE C
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	CHANGEABLE MESSAGE SIGN
	CHANGEABLE MESSAGE SIGN

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

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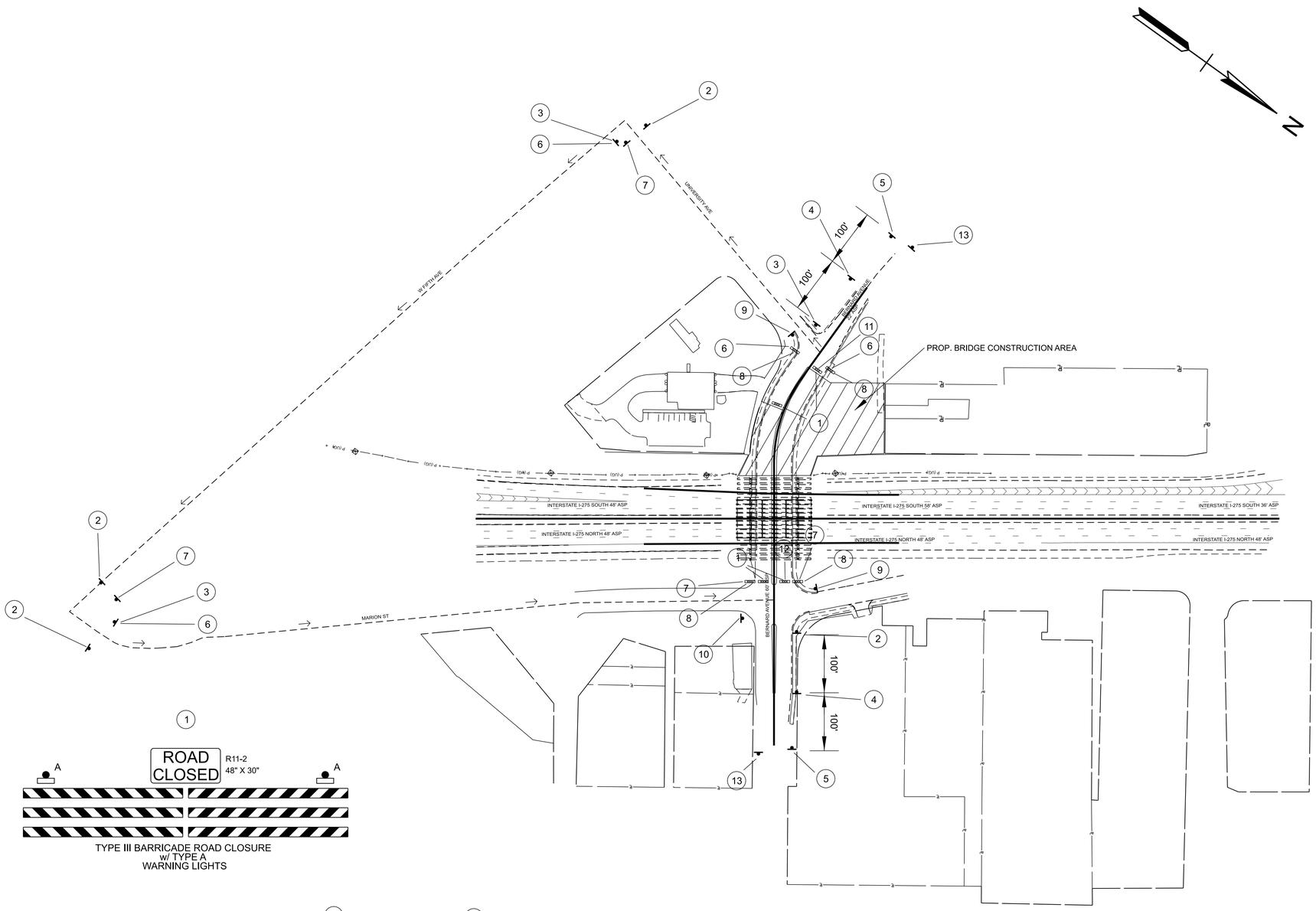
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-2



1

ROAD CLOSED R11-2 48" X 30"

A A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

2 DETOUR — M4-9L (30"X24")

3 DETOUR — M4-9R (30"X24")

4 DETOUR AHEAD — W20-2 (48"X48")

5 ROAD CLOSED AHEAD — W20-3 (48"X48")

6 DETOUR — M4-9bR (30"X24")

7 DETOUR — M4-9bL (30"X24")

8 SIDEWALK CLOSED — R9-9 (24"X12")

9 — R3-1 (24"X24")

10 — R3-2 (24"X24")

11 DETOUR — M4-10R (48"X18")

12 DETOUR — M4-10L (48"X18")

13 END DETOUR — M4-8a (24"X18")

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COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00009 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

BERNARD AVE. DETOUR
SCALE: N.T.S.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-3

N

INTERSTATE 640

HEISKELL AVE.

INTERSTATE 275

W OLDHAM AVE.

W BAXTER AVE.

WESTERN AVE.

BERNARD AVE.

INTERSTATE 40

HENLEY ST.

INTERSTATE 640

DALE AVE.

11TH ST.

INTERSTATE 40

ALCOA HWY

① M4-8 (30"X15") DETOUR

② M4-8 (30"X15") DETOUR

① M4-5 (36"X18") TO

② M4-5 (36"X18") TO

① M1-1 (45"X36") INTERSTATE 275

② M1-1 (45"X36") INTERSTATE 275

① M6-3 (30"X21")

② M6-2 (30"X21")

③ ROAD CLOSED R11-2 48" X 30"

A A

TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS

④ CHANGEABLE MESSAGE BOARD

⑤ W20-1M (48"X48") ROAD WORK 1 MILE

⑥ W20-1M (48"X48") ROAD WORK 1/2 MILE

⑦ W20-1F (48"X48") ROAD WORK 1000 FT

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

I-275 NORTHBOUND DETOUR
SCALE: N.T.S.

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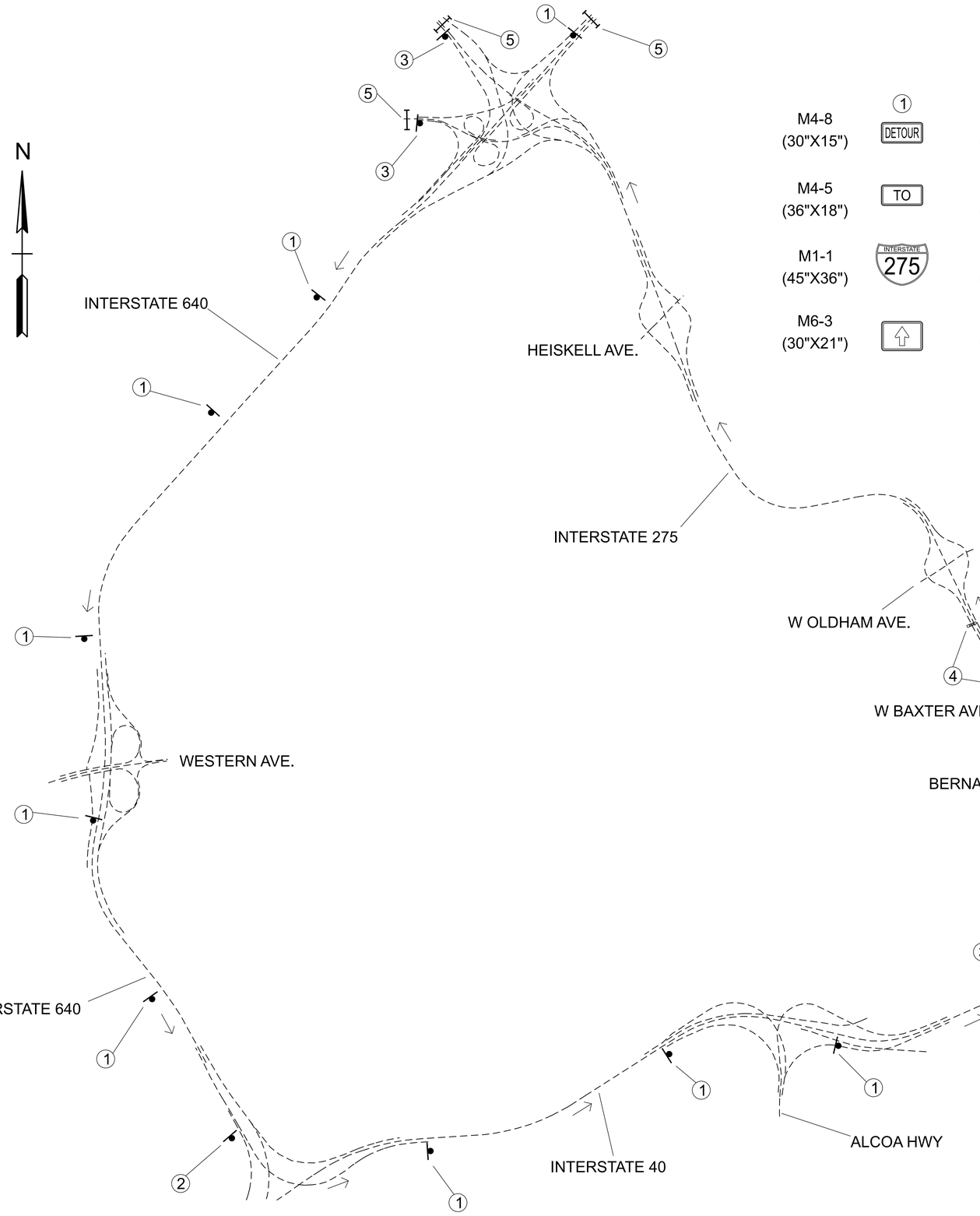
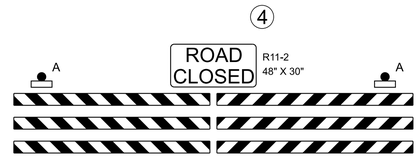
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-4



①	②	③
M4-8 (30"X15") DETOUR	M4-8 (30"X15") DETOUR	M4-8 (30"X15") DETOUR
M4-5 (36"X18") TO	M4-5 (36"X18") TO	M4-5 (36"X18") TO
M1-1 (45"X36") INTERSTATE 275	M1-1 (45"X36") INTERSTATE 275	M1-1 (45"X36") INTERSTATE 275
M6-3 (30"X21")	M6-1 (30"X21")	M6-2 (30"X21")

④



TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

⑤

CHANGEABLE
MESSAGE BOARD

⑥	⑦	⑧
W20-1M (48"X48") ROAD WORK 1 MILE	W20-1M (48"X48") ROAD WORK 1/2 MILE	W20-1F (48"X48") ROAD WORK 1000 FT

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

I-275 SOUTHBOUND DETOUR
SCALE: N.T.S.

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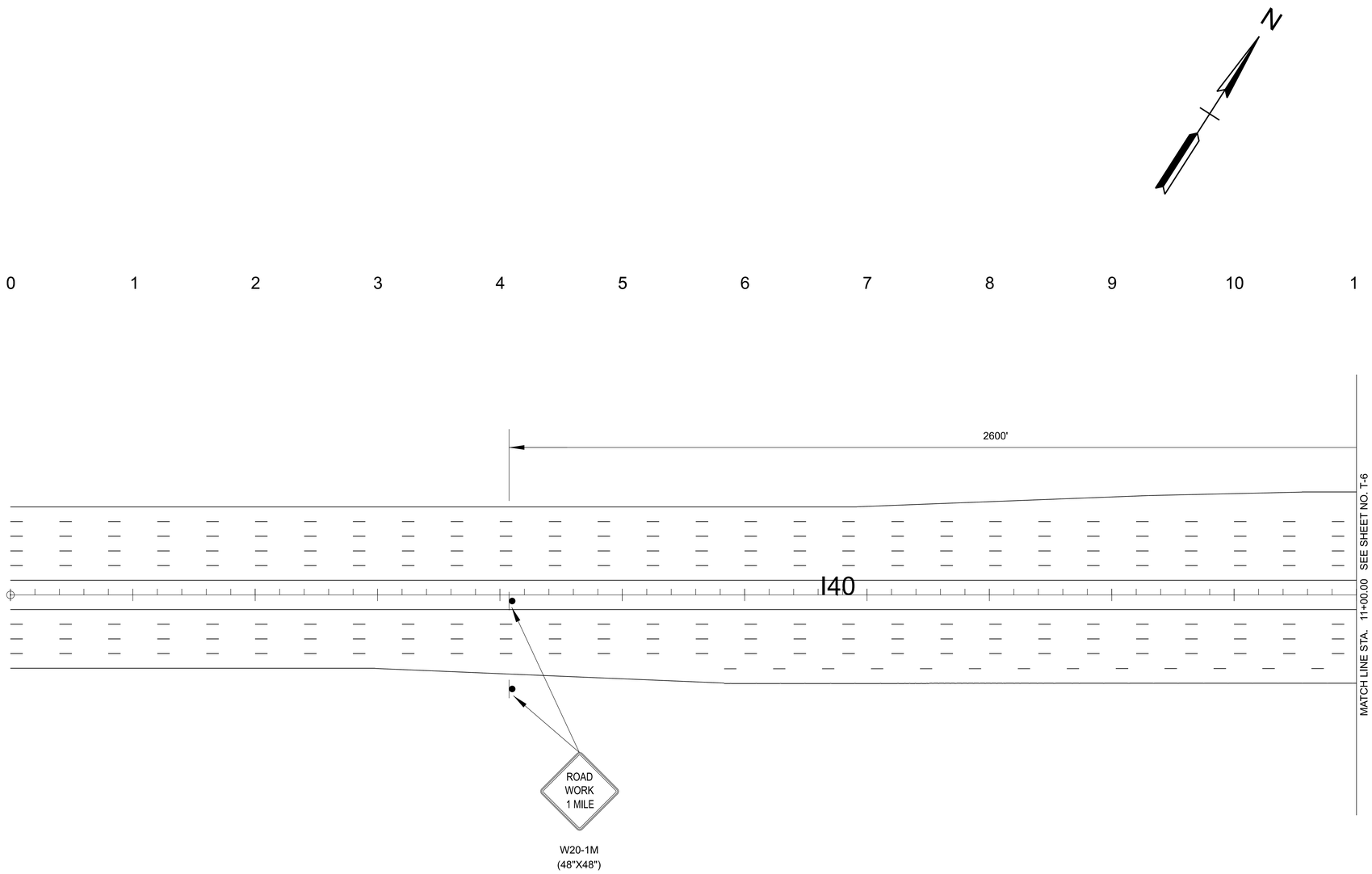
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-5



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COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00009 AND TIED TO THE TGRN.
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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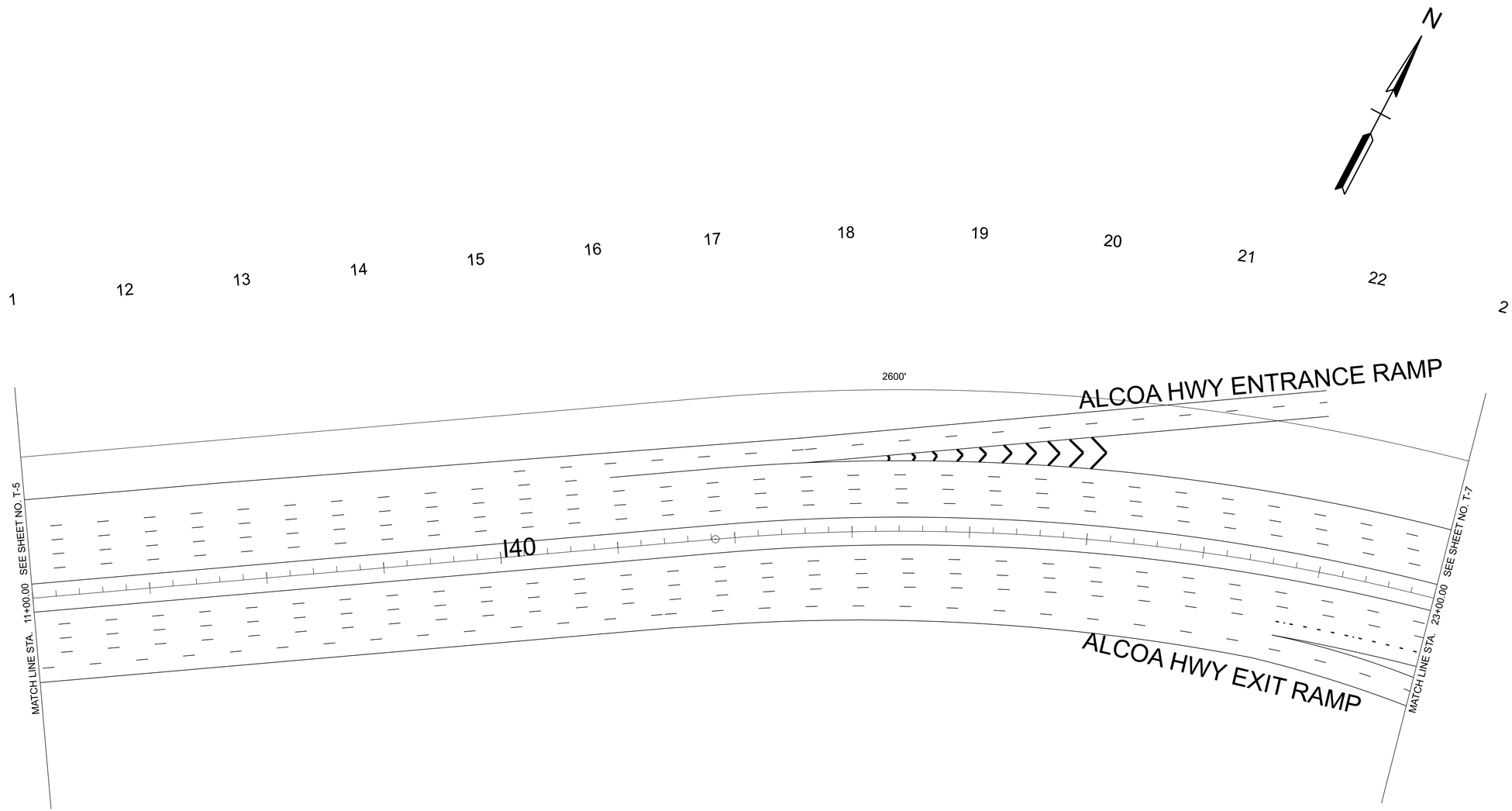
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-6



SEALED BY

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00009 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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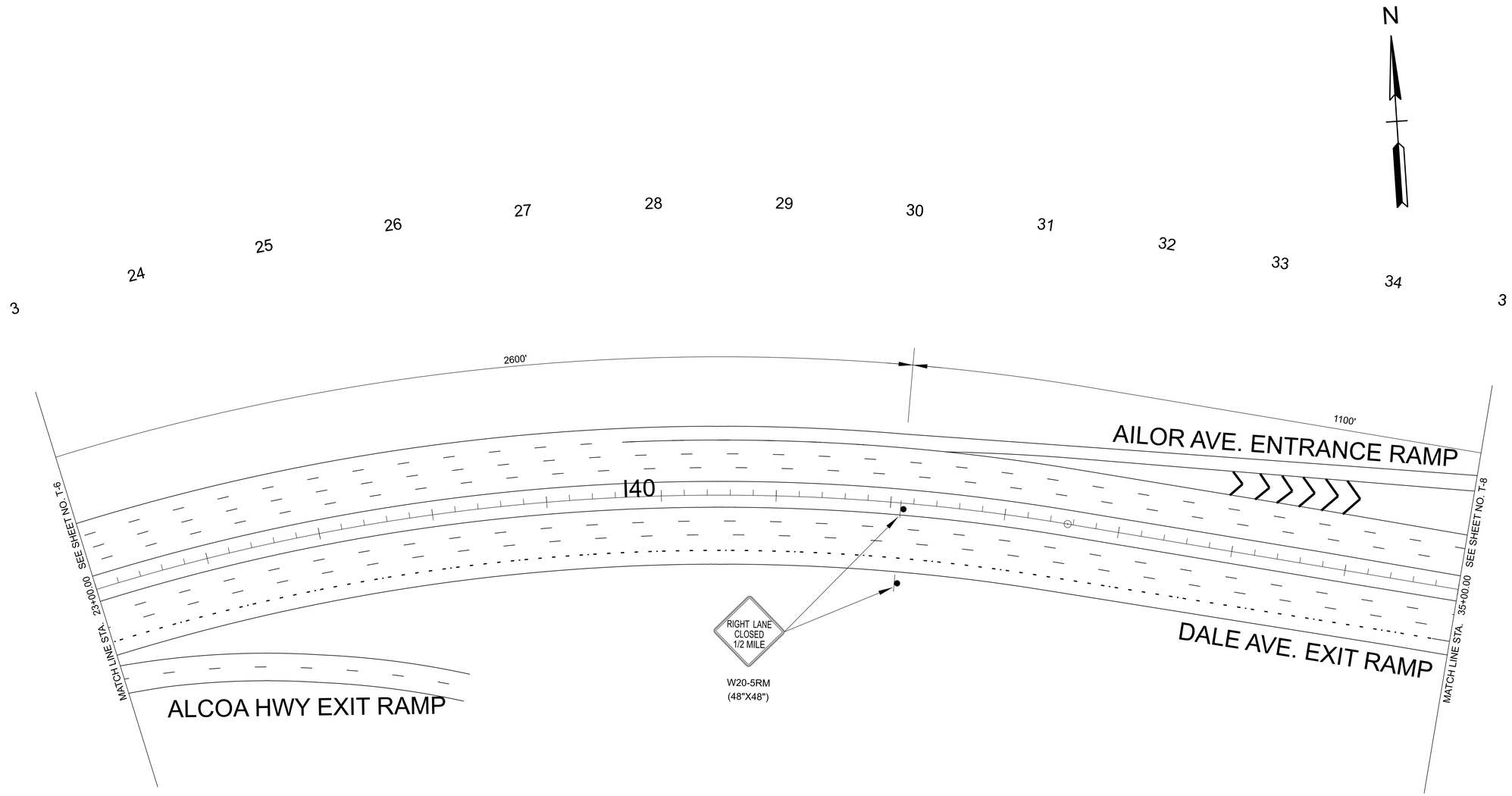
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-7



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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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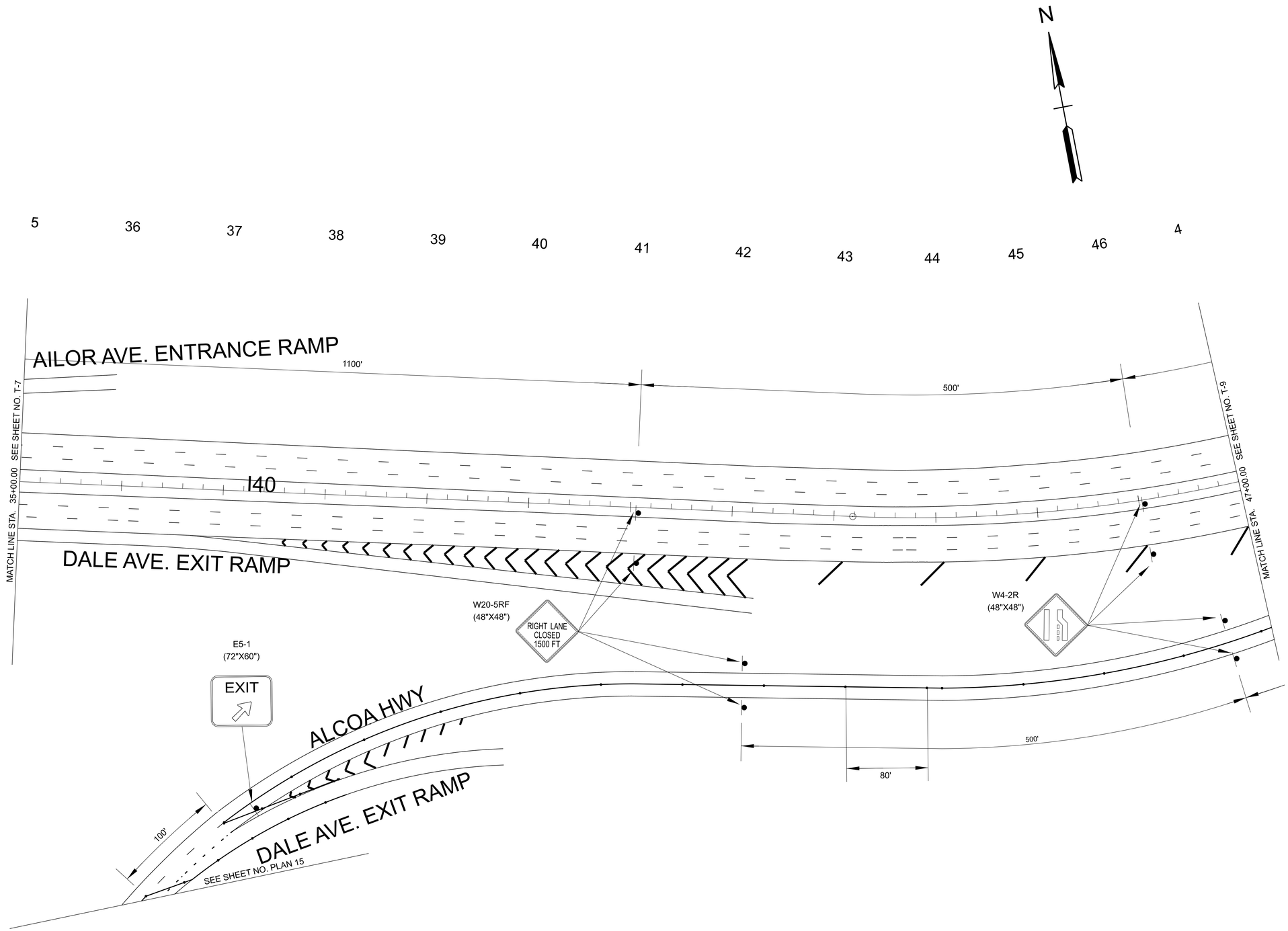
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-8



SEALED BY

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00009 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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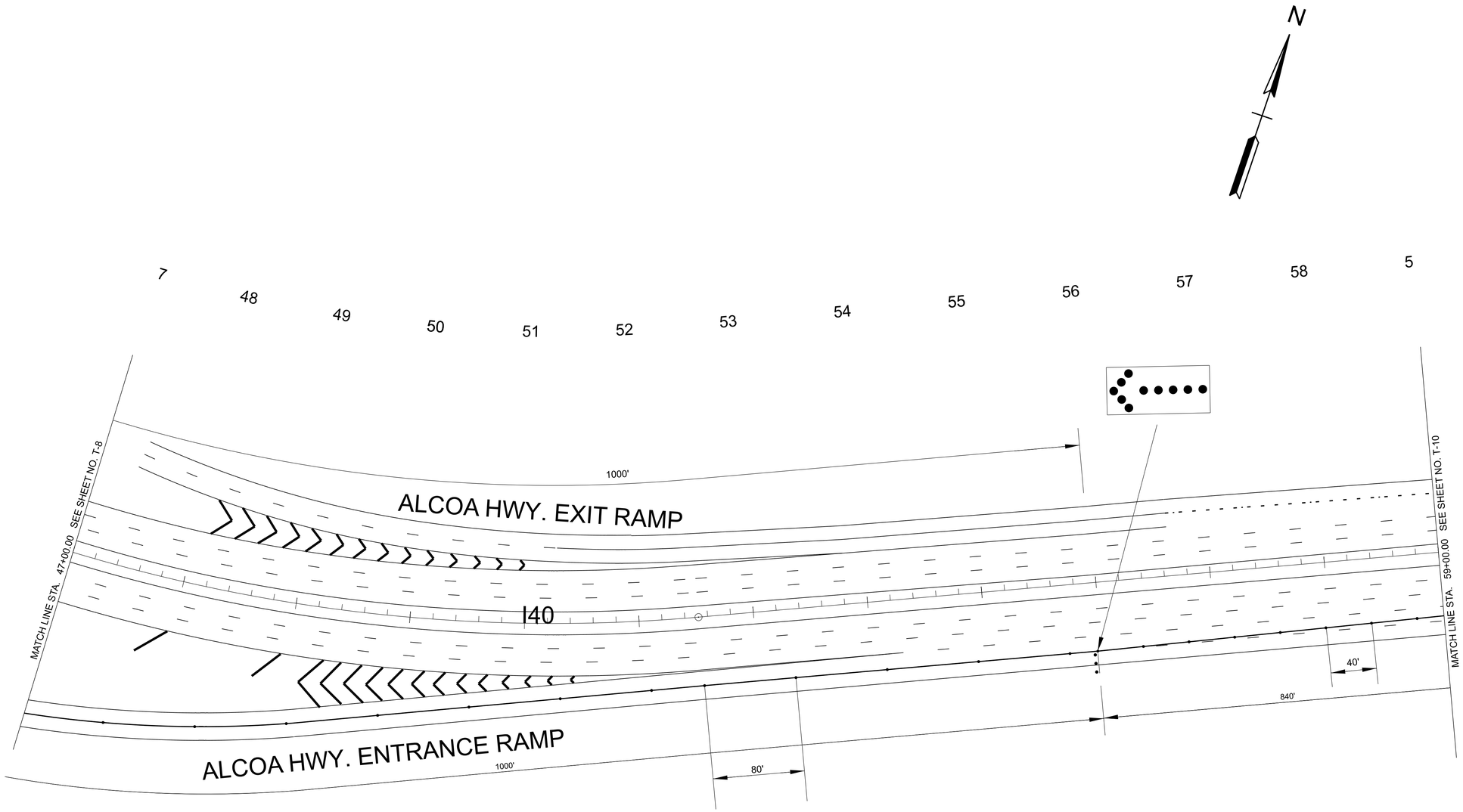
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-9



SEALED BY

COORDINATES ARE NAD 83(2011), ARE
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ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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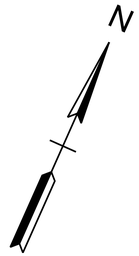
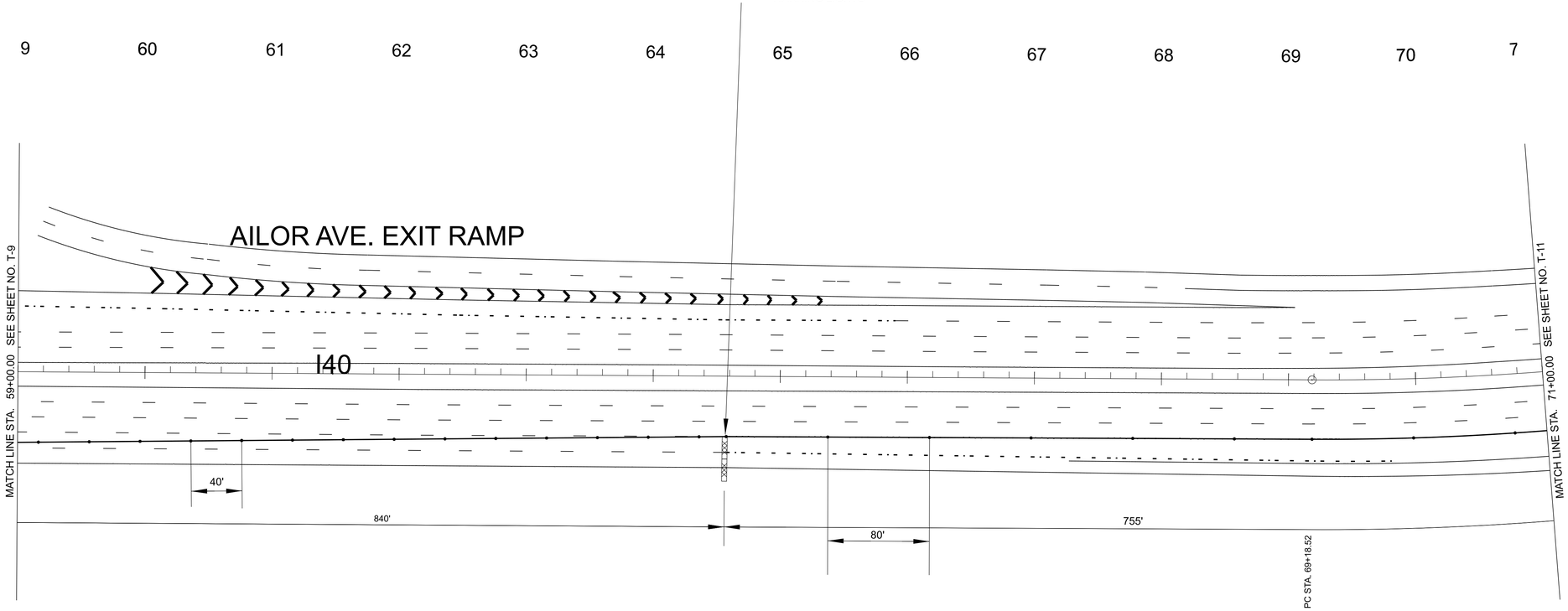
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-10

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS





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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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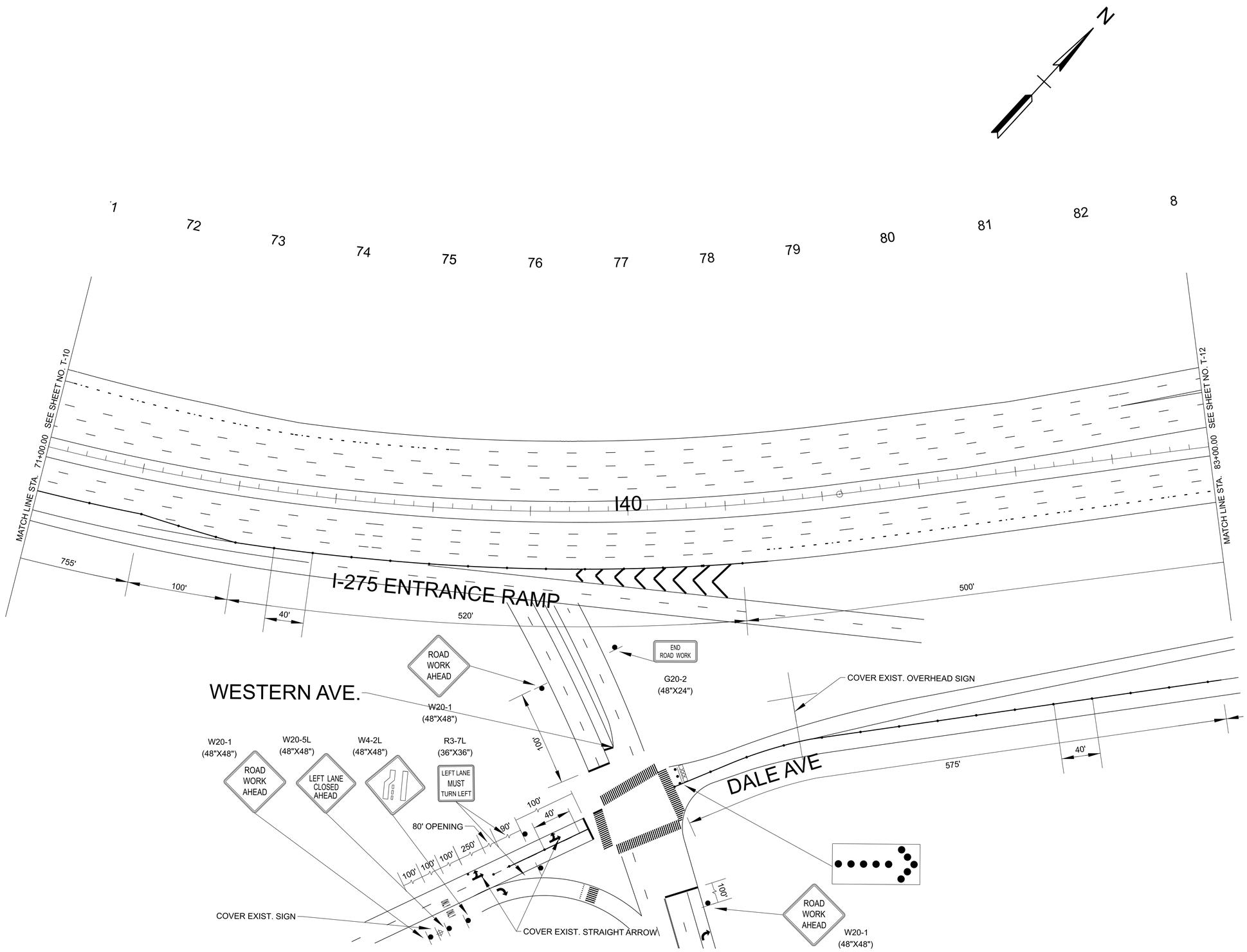
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-11



SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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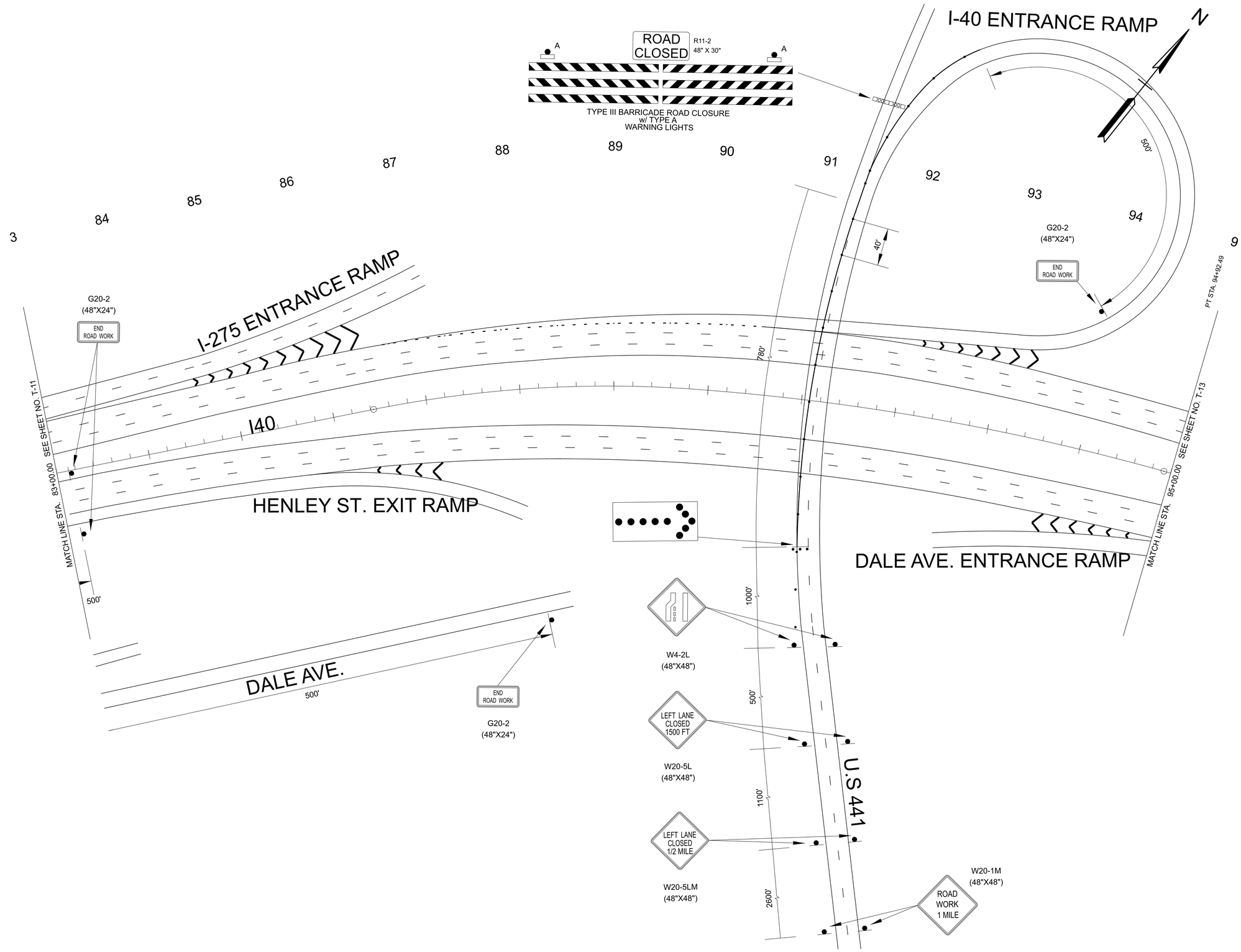
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-12



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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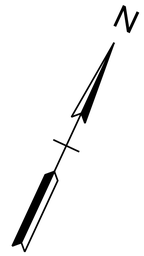
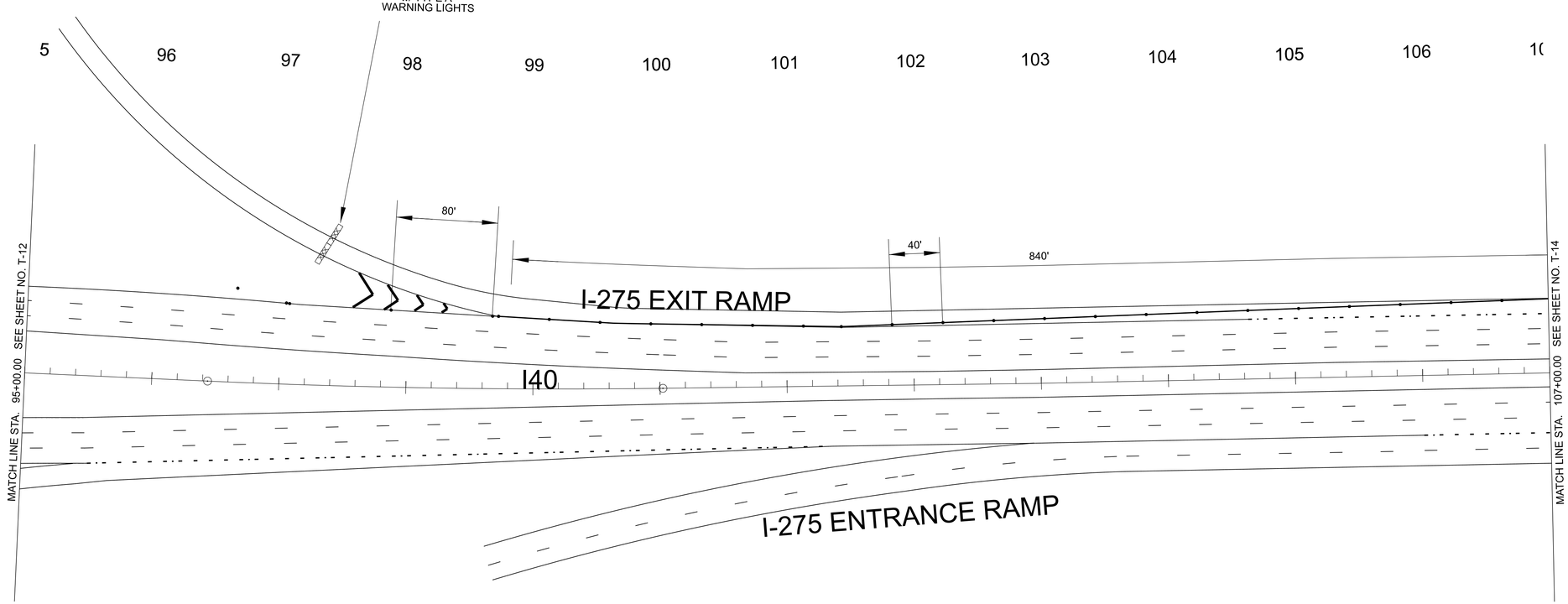
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-13

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS





SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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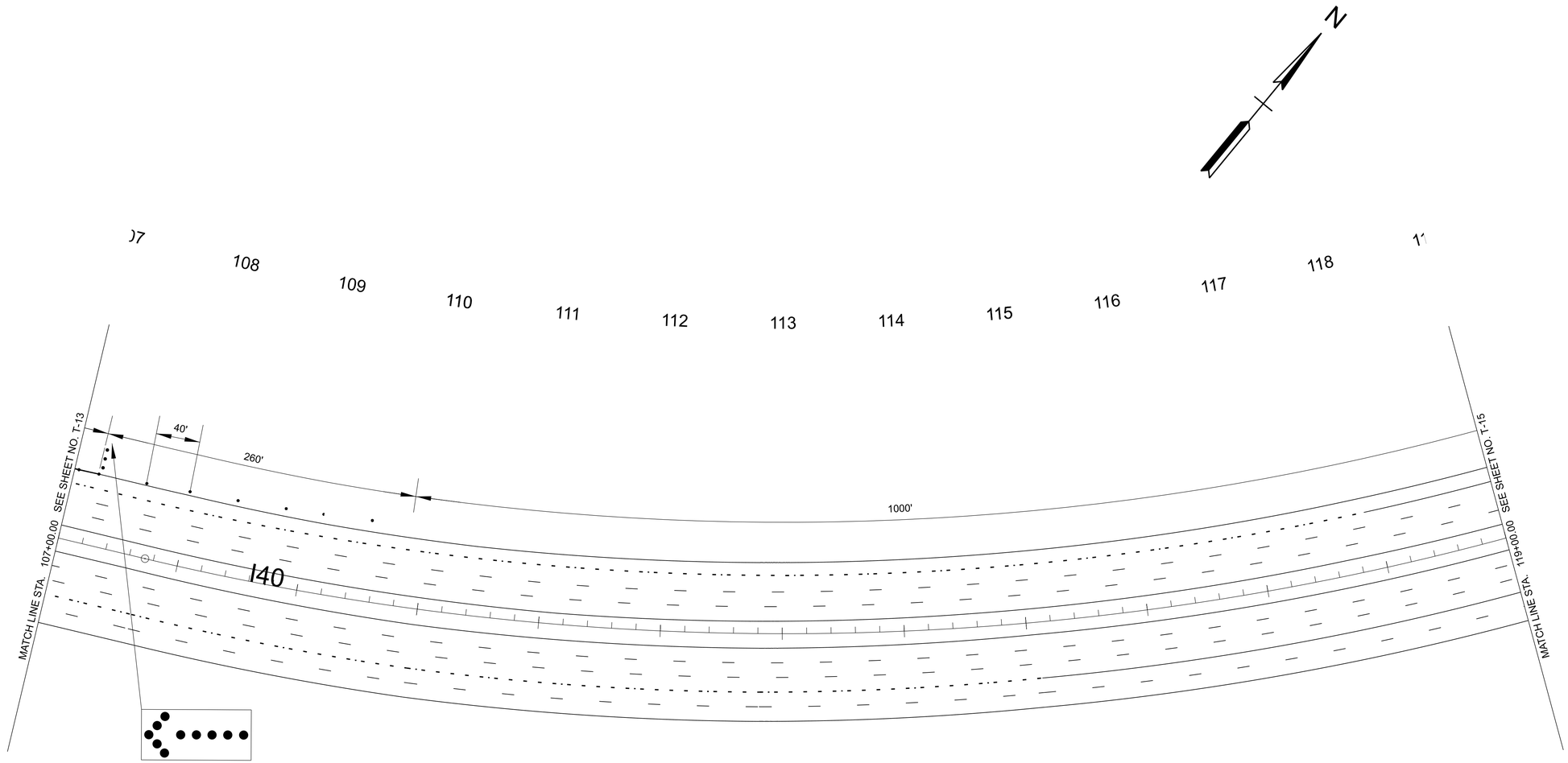
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-14



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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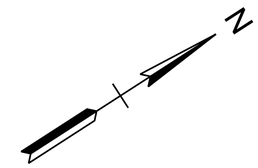
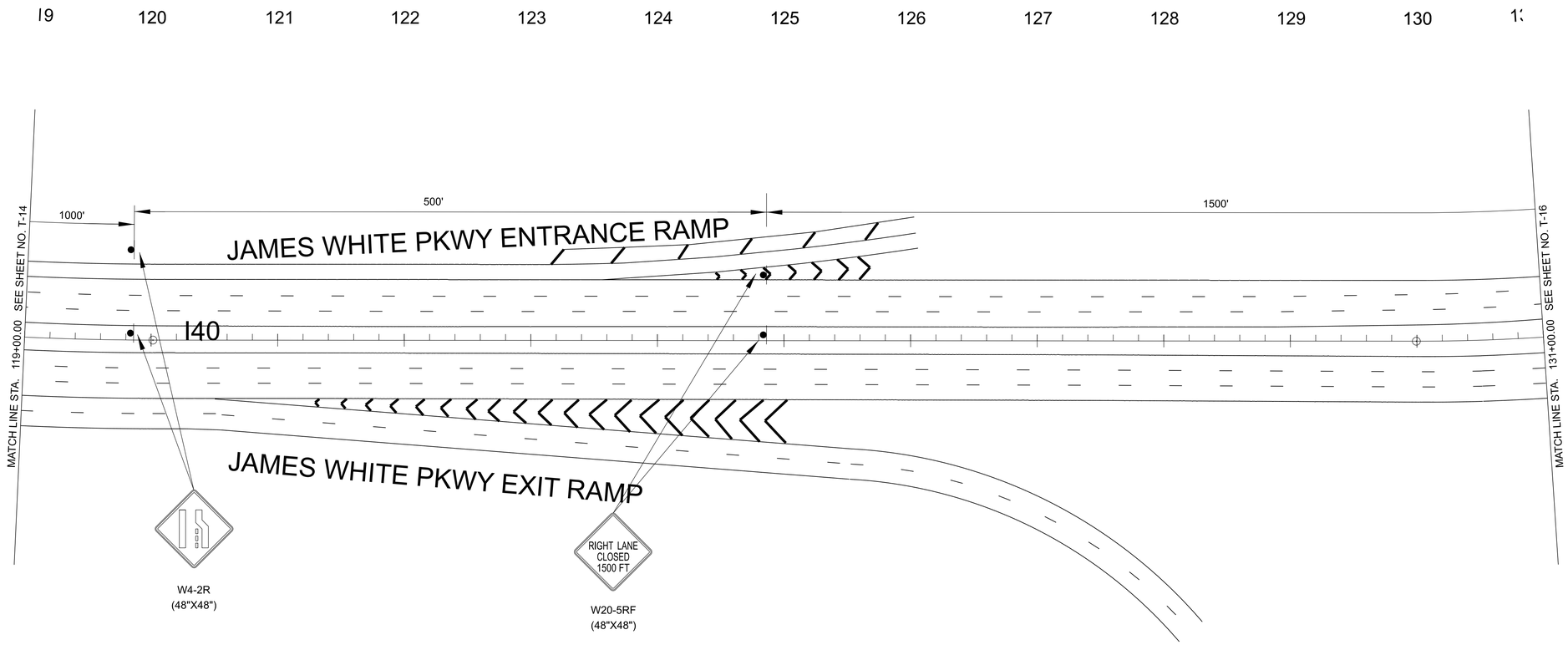
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-15





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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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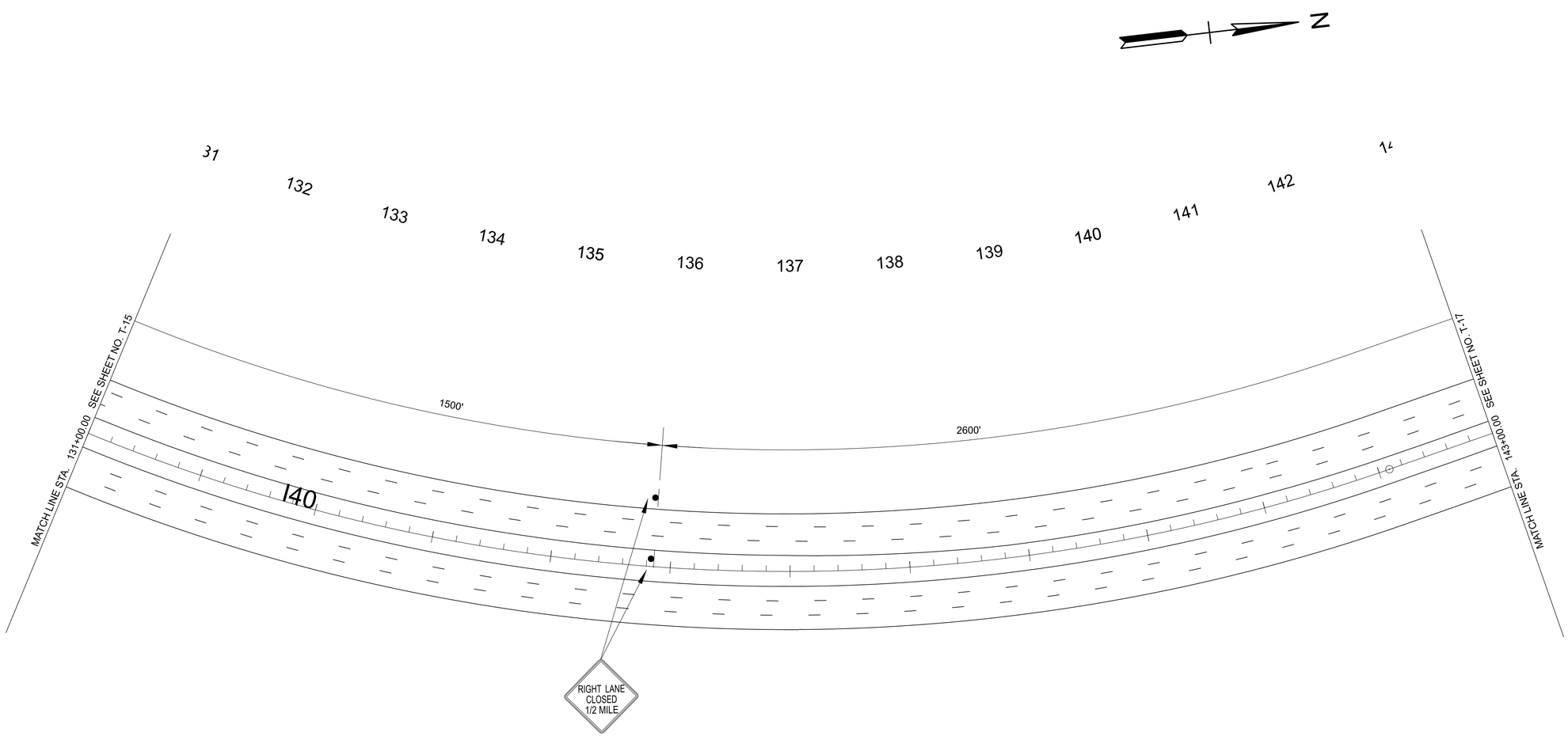
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-16



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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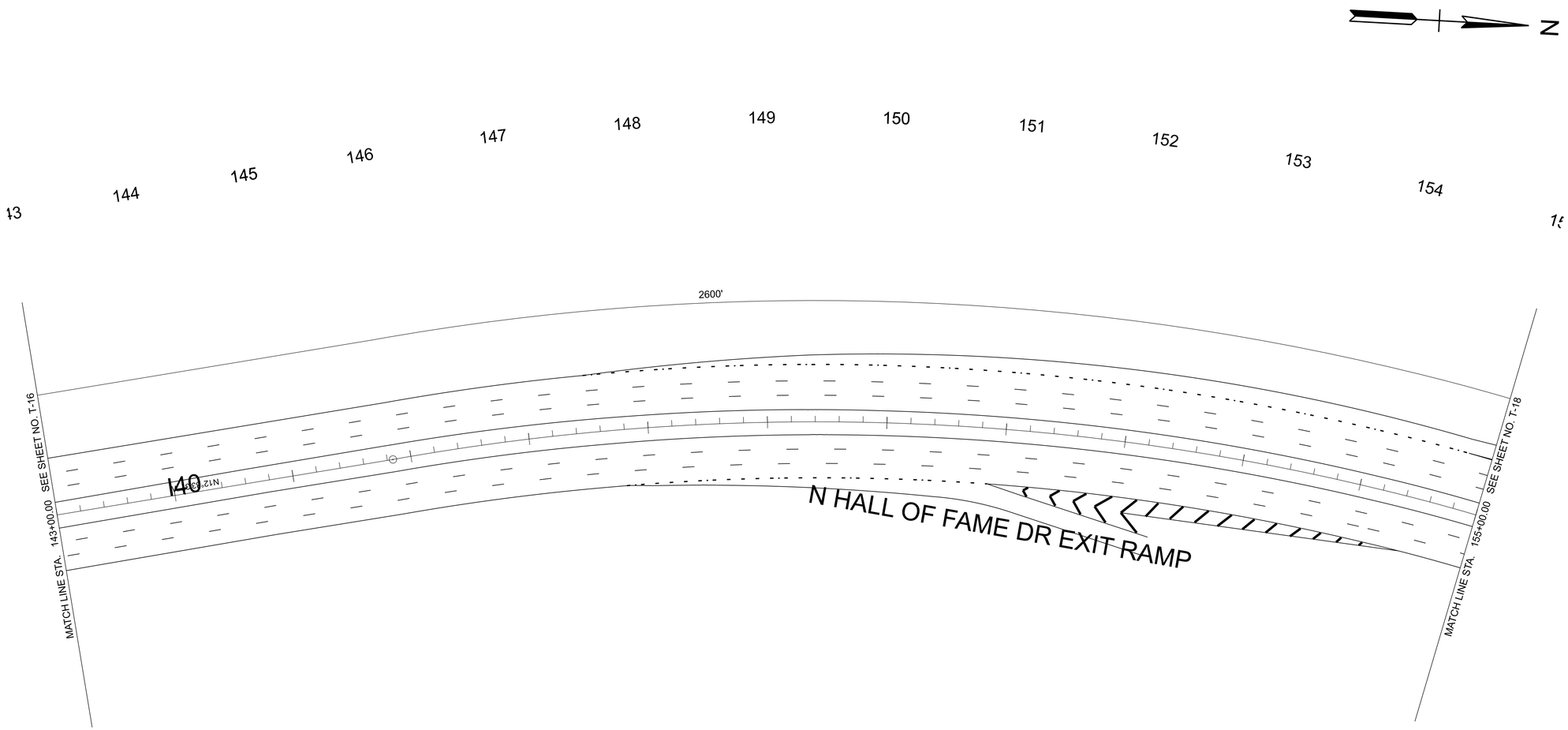
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-17



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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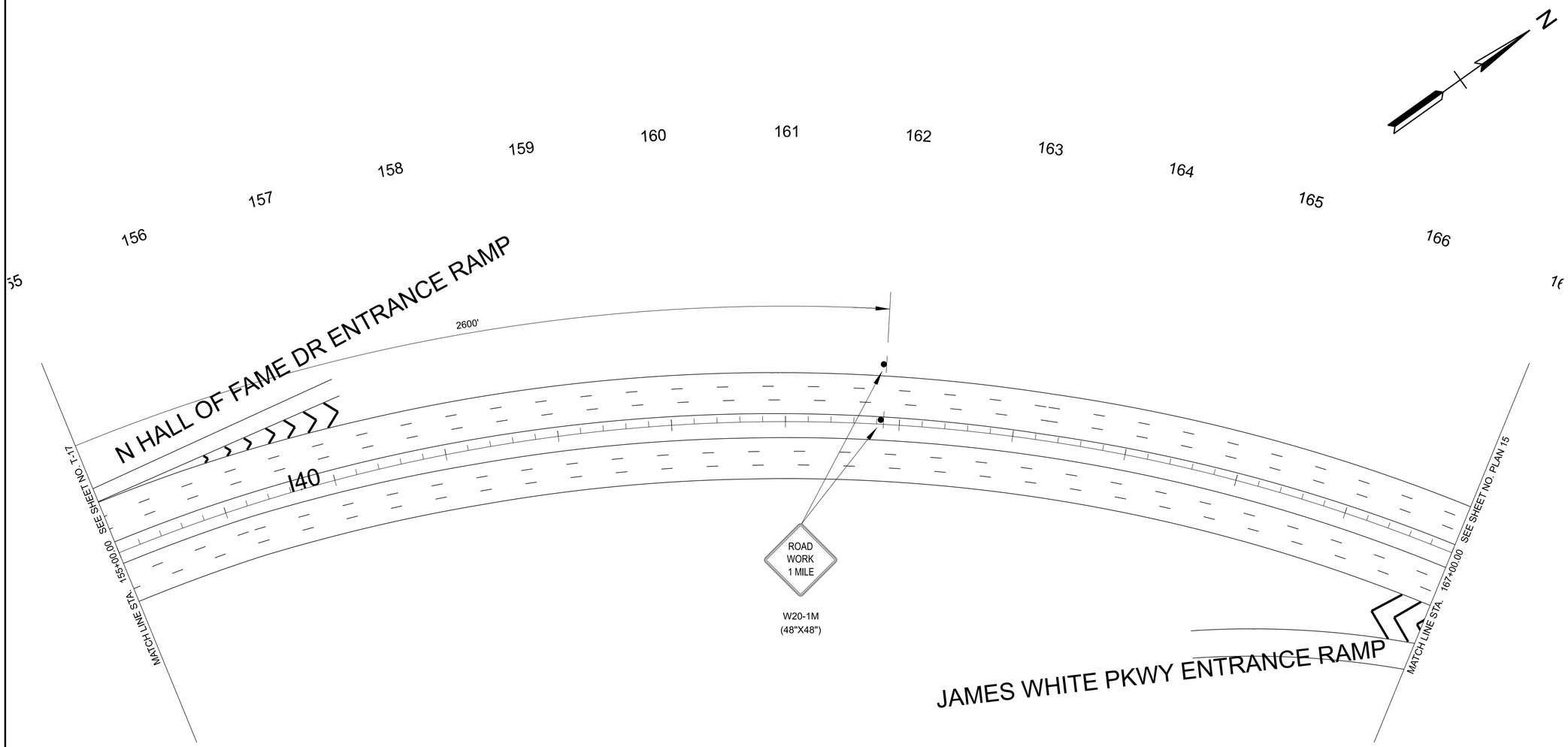
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-18



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 40
SCALE: 1" = 50'

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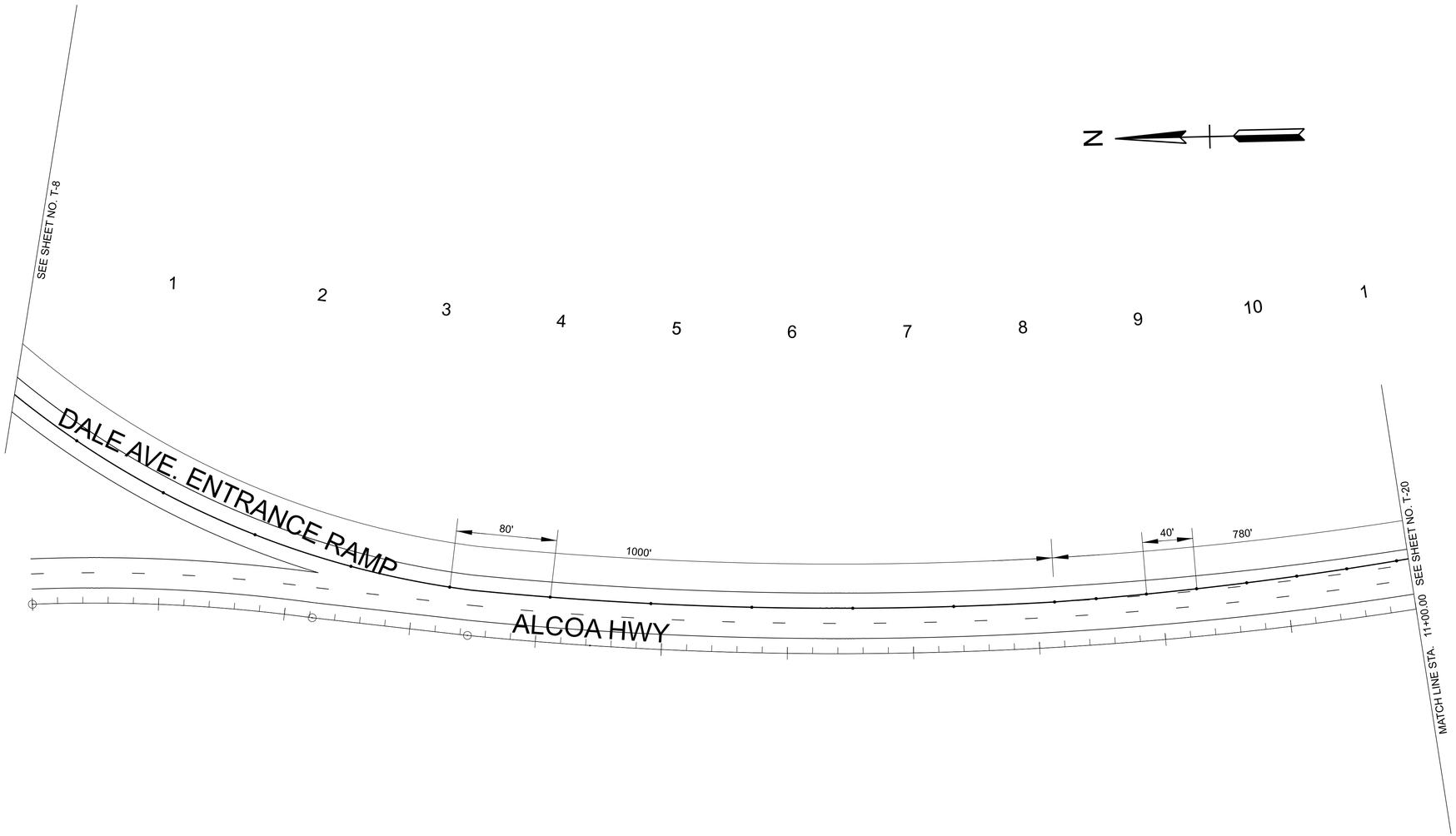
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-19



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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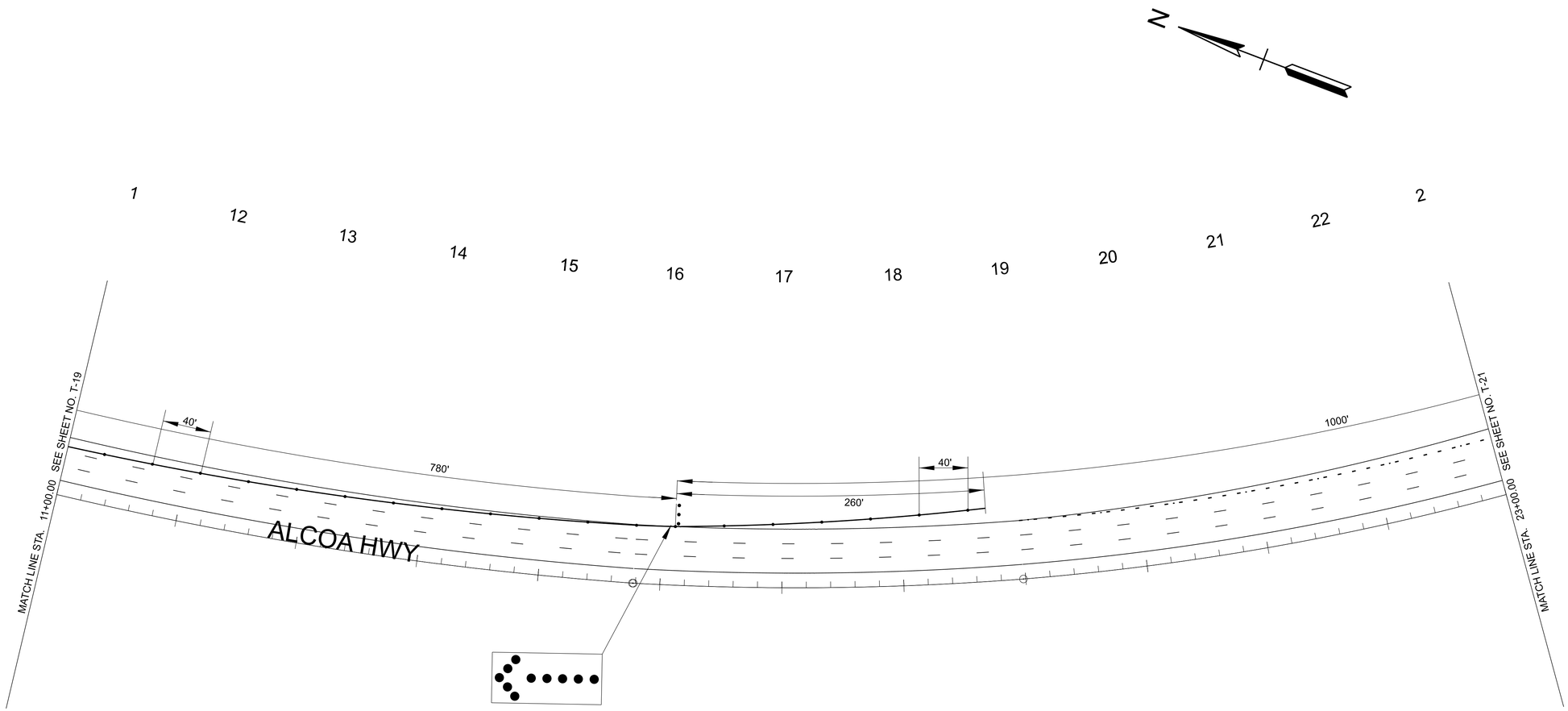
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-20



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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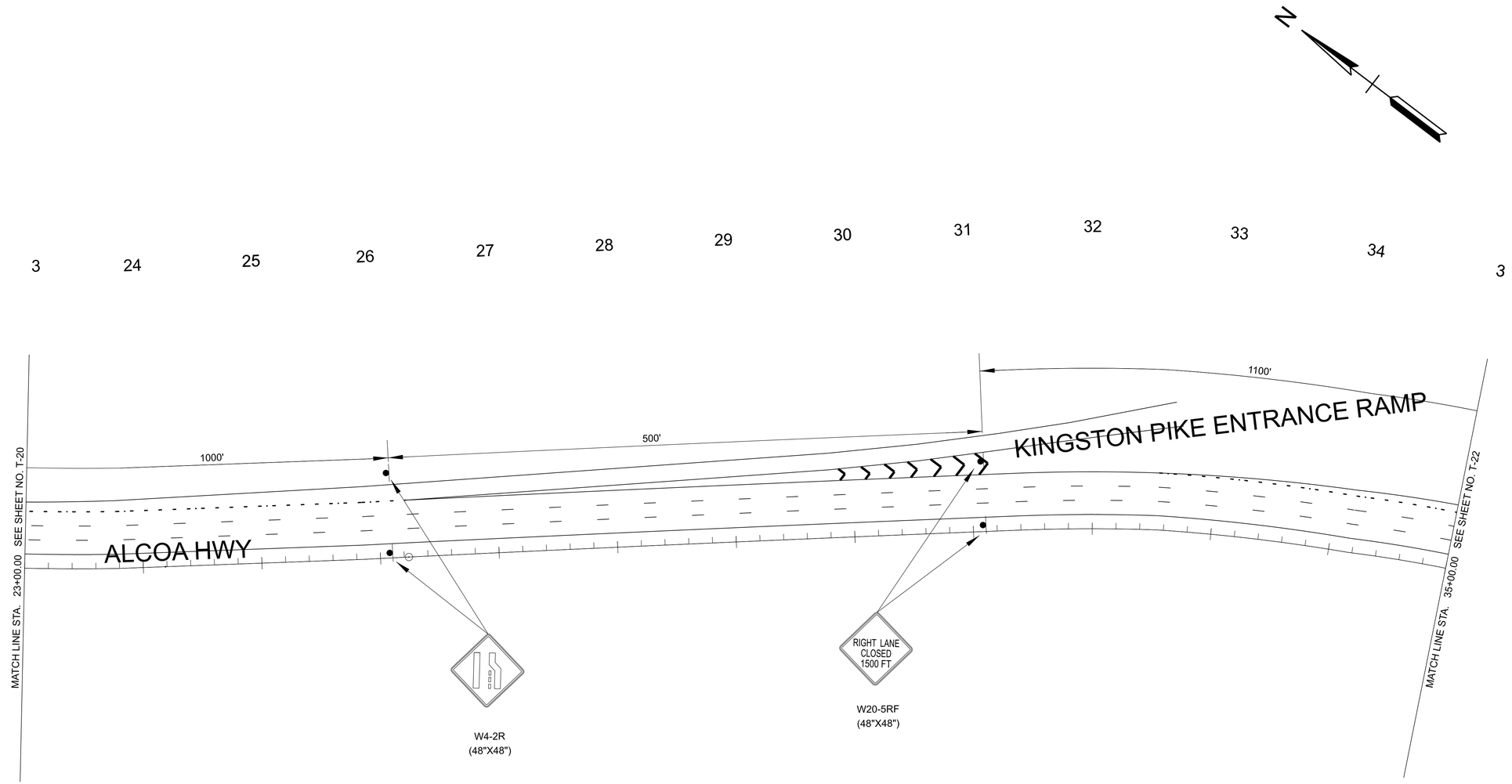
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-21



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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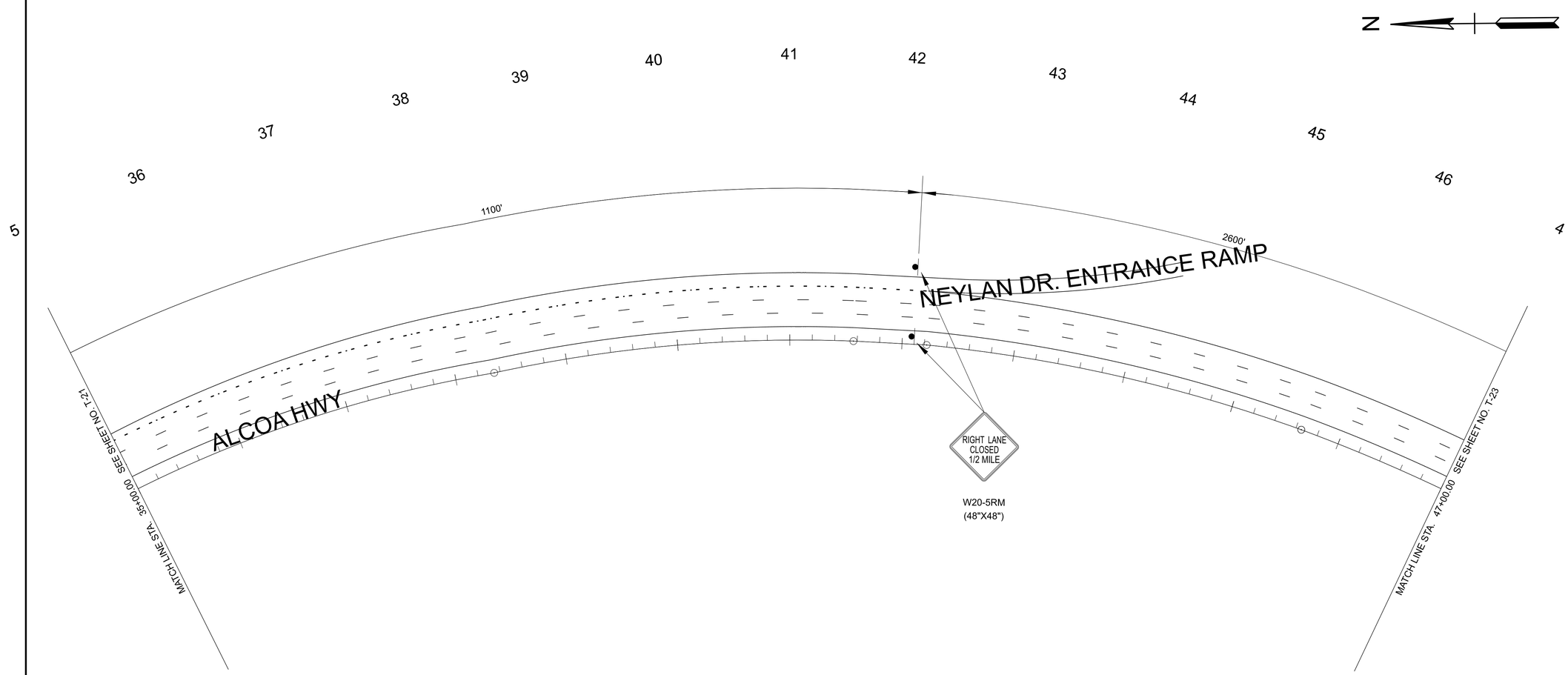
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-22



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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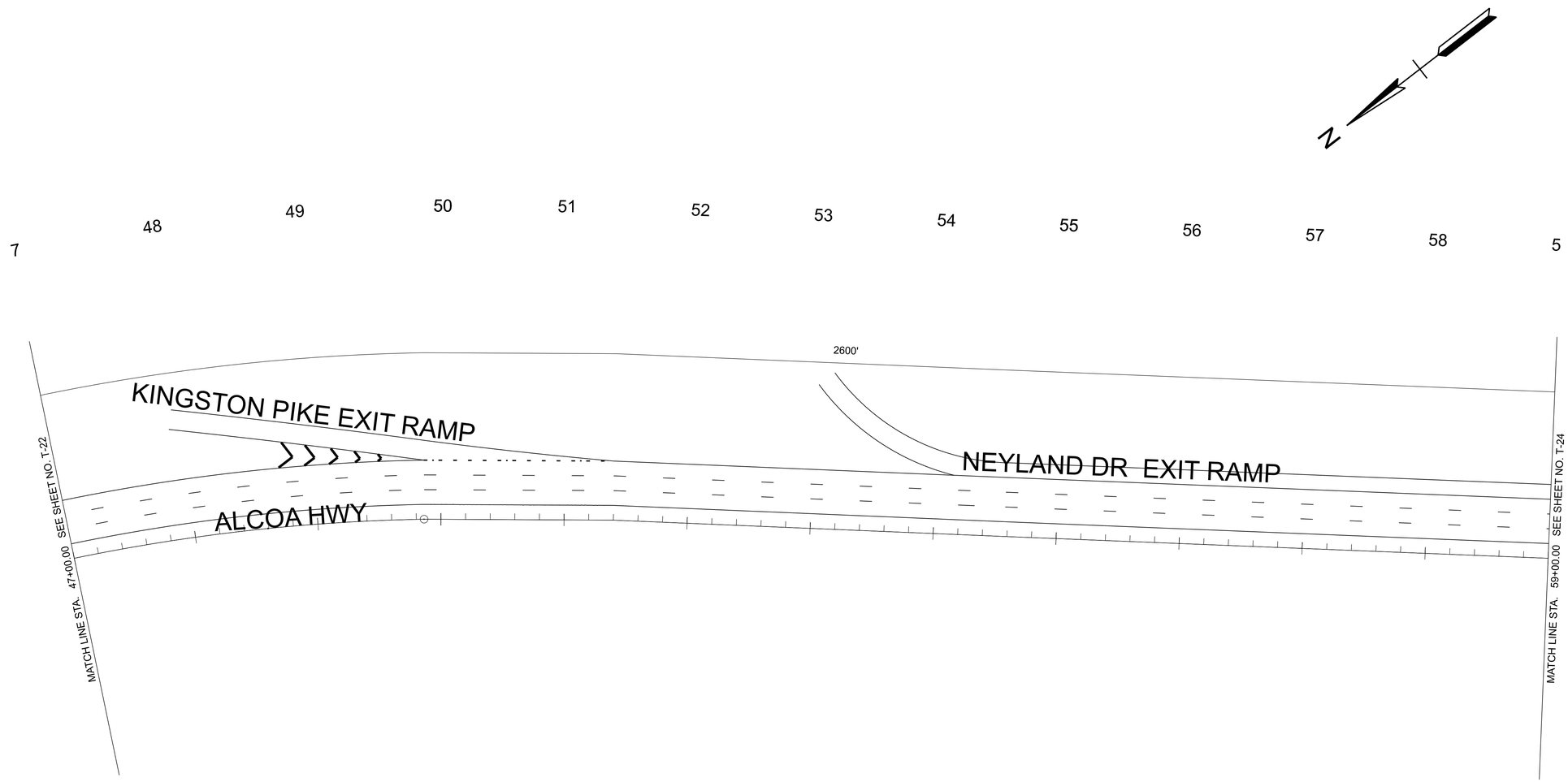
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-23



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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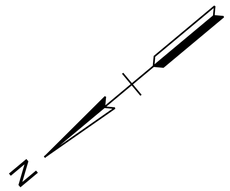
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-24



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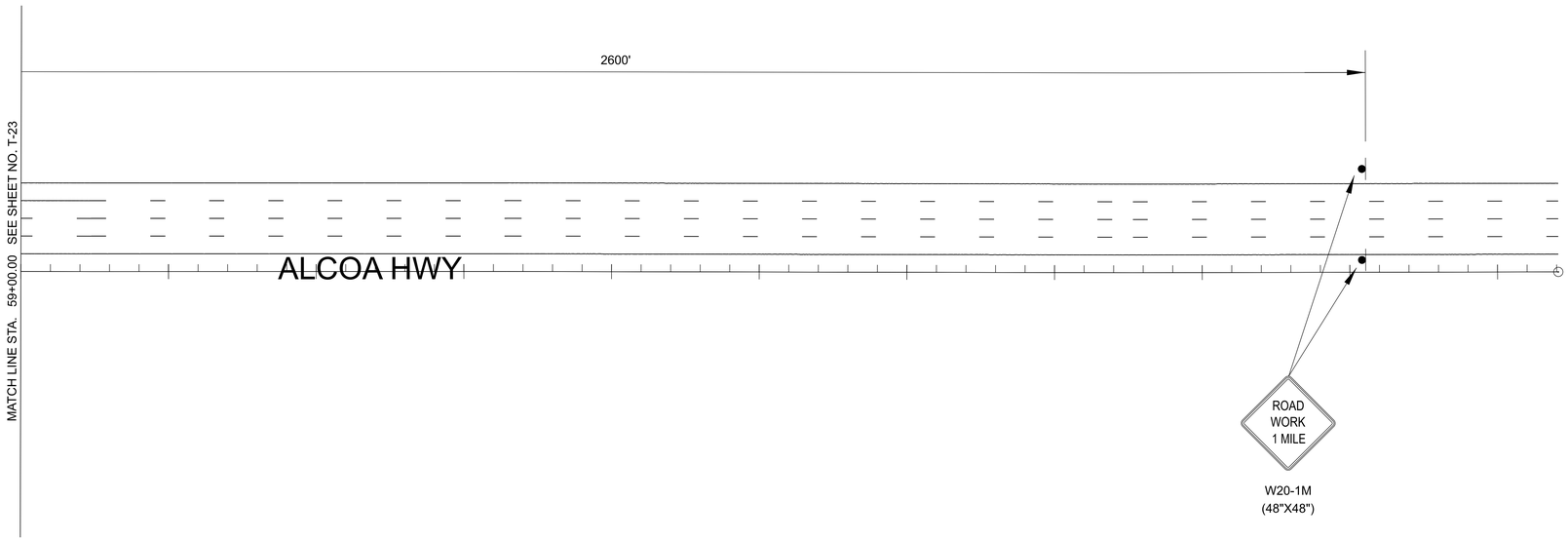

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

ALCOA HWY
SCALE: 1" = 50'

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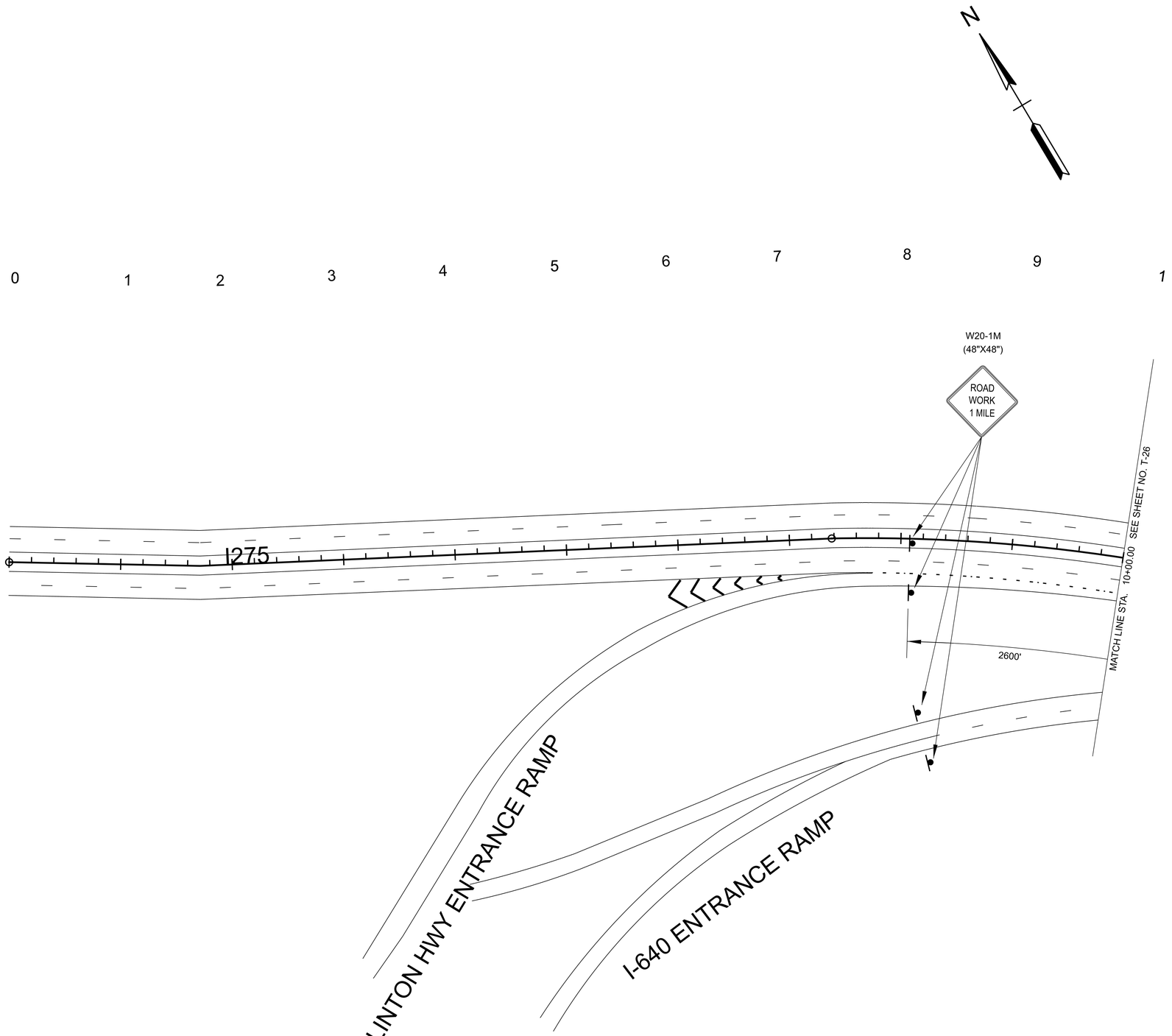
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-25



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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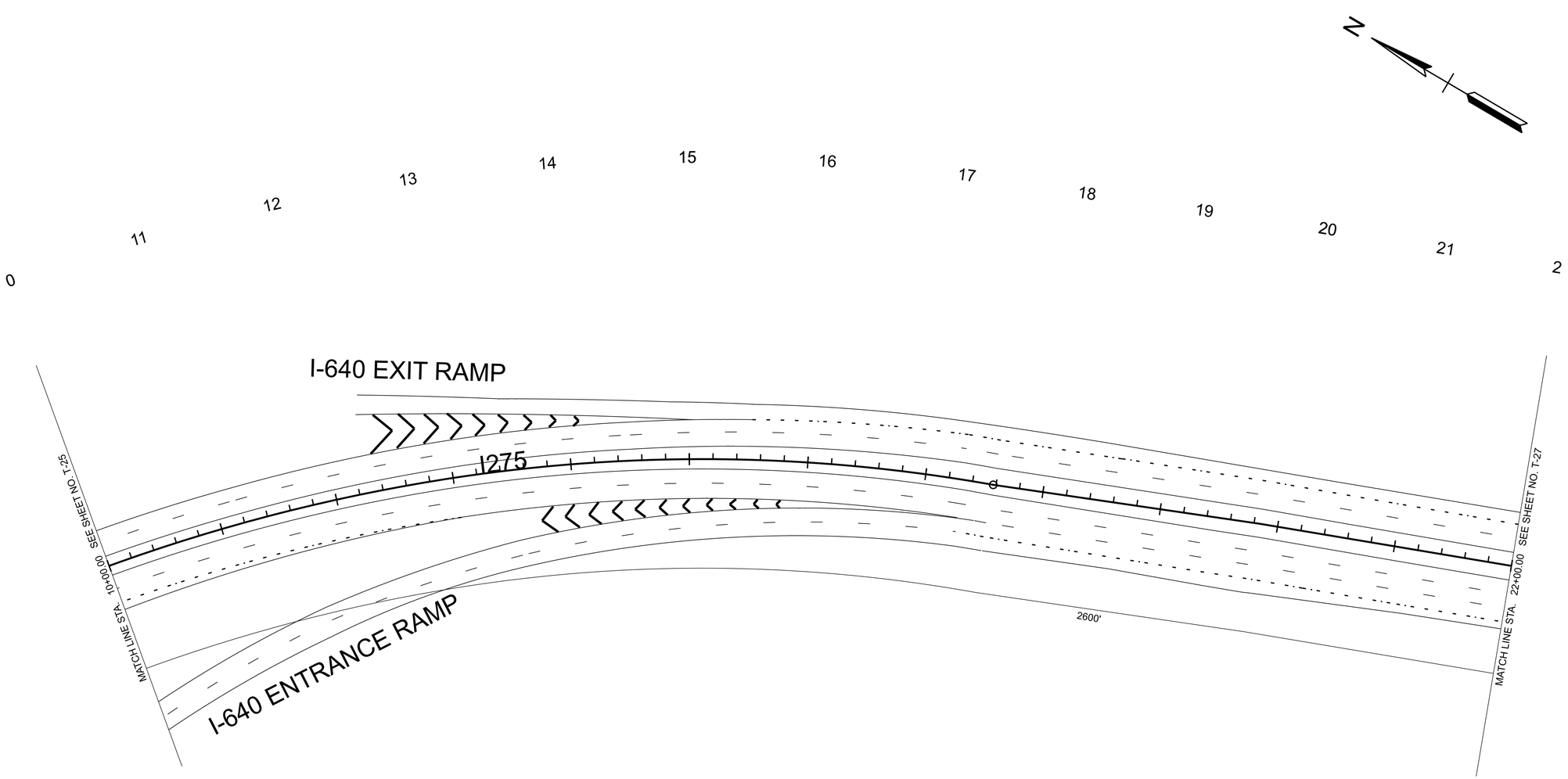
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-26



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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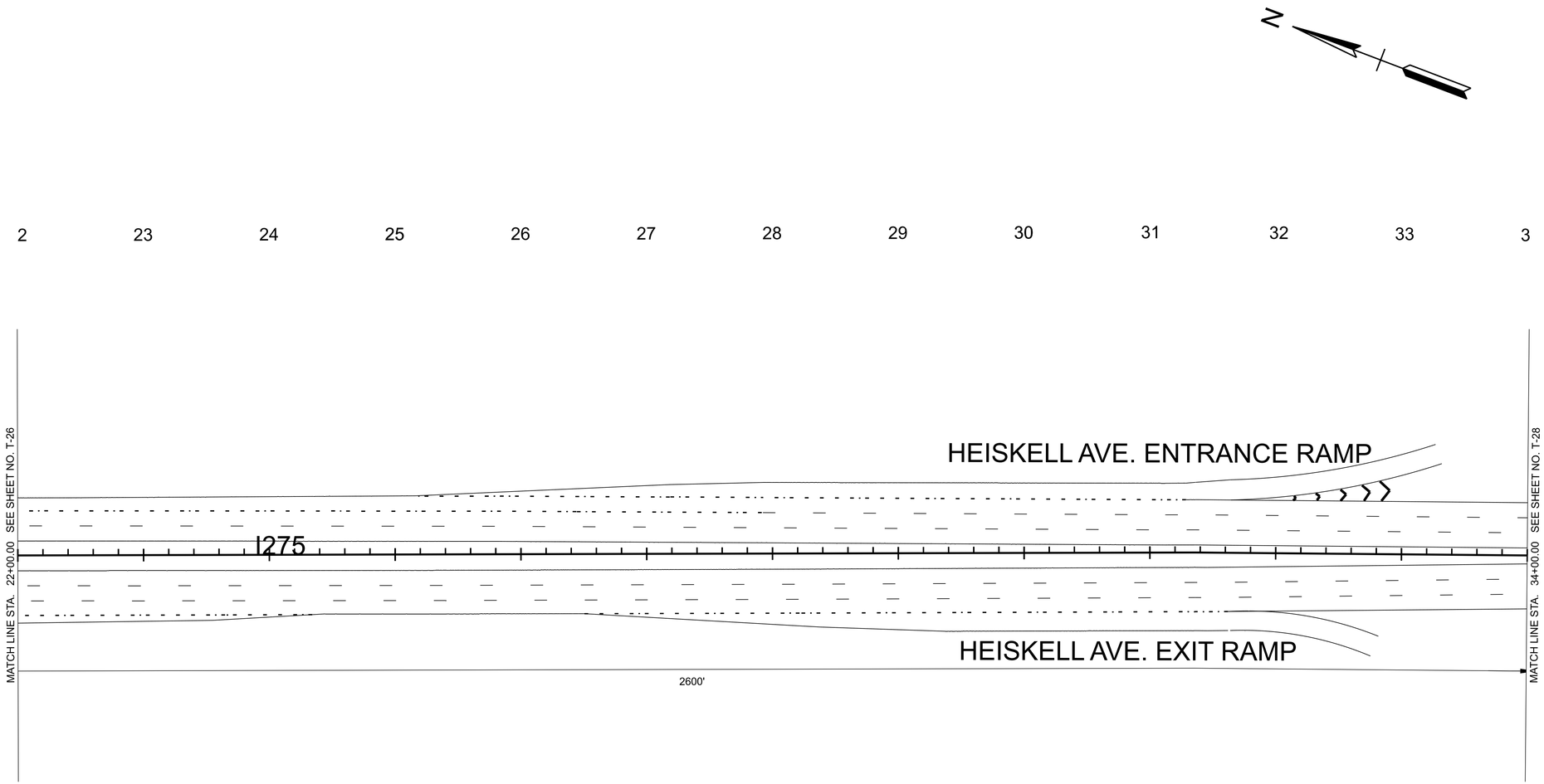
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-27



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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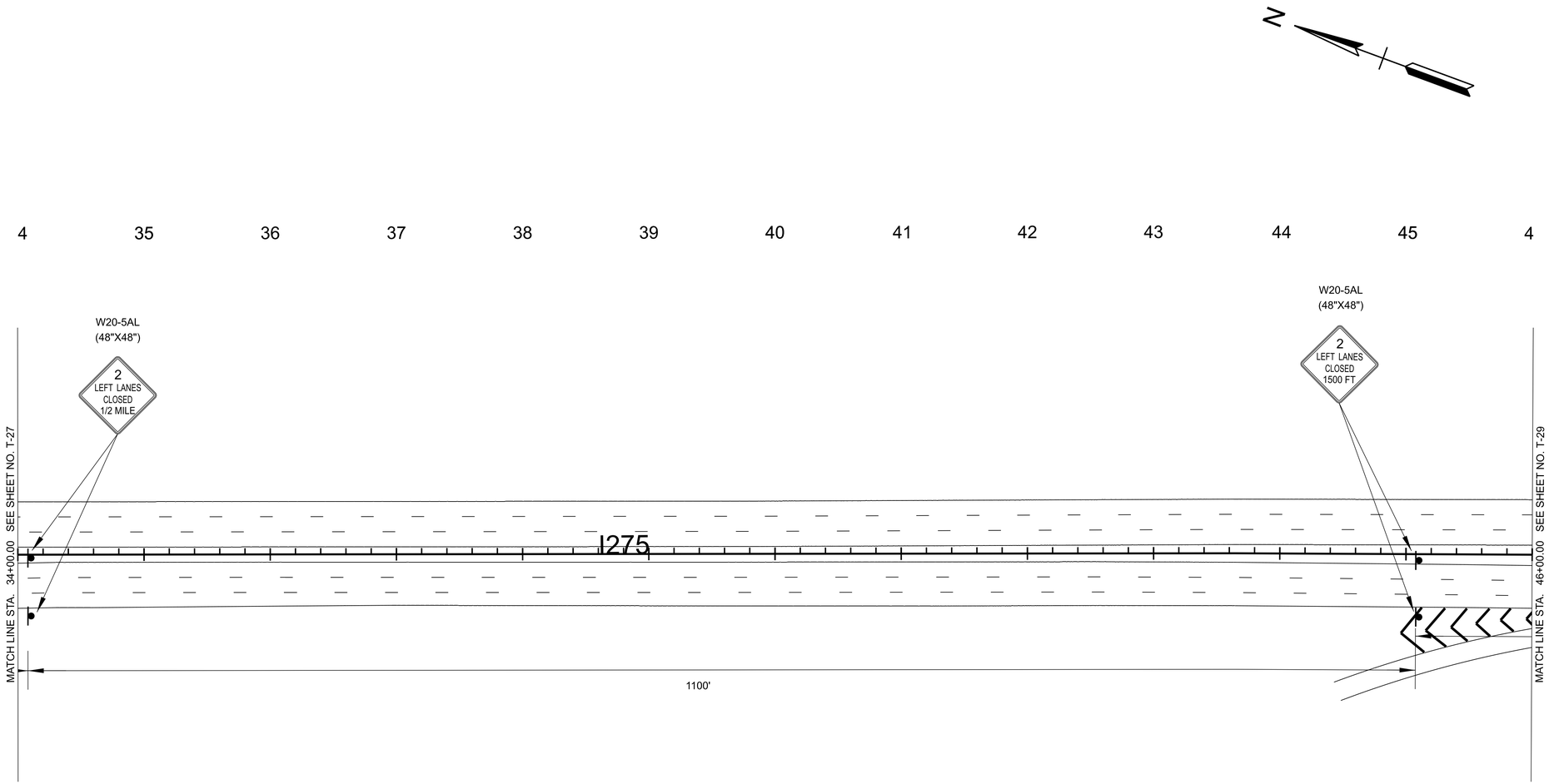
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-28



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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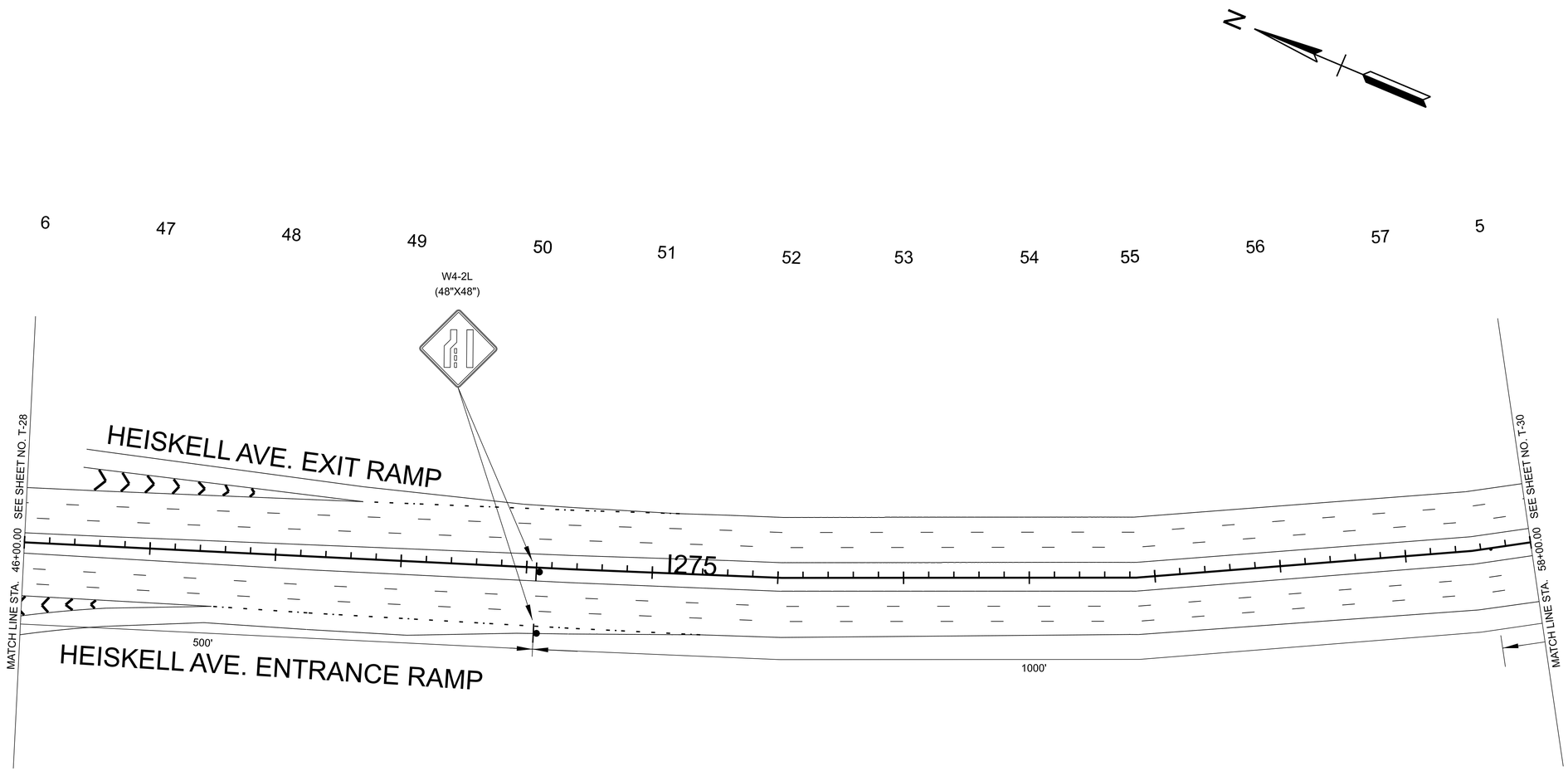
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-29



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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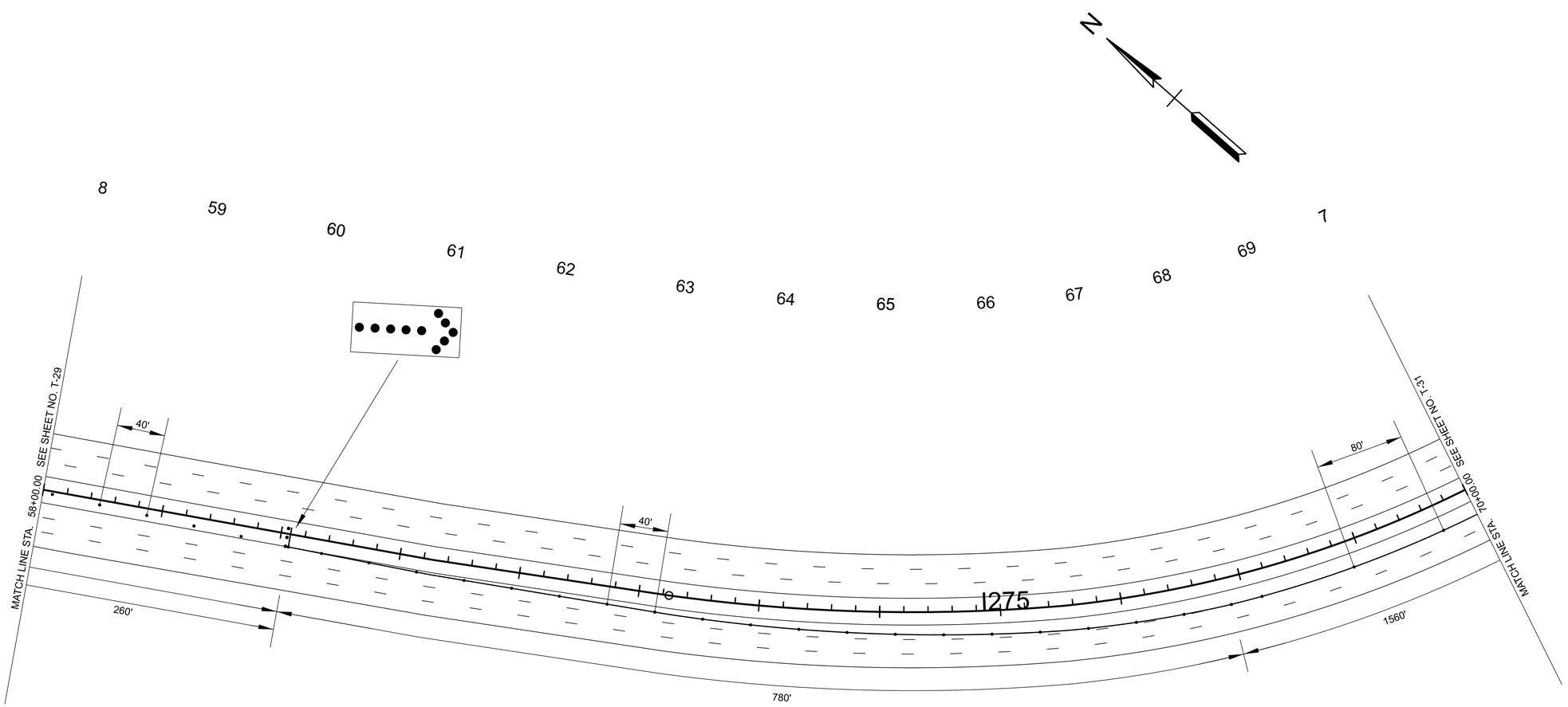
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-30



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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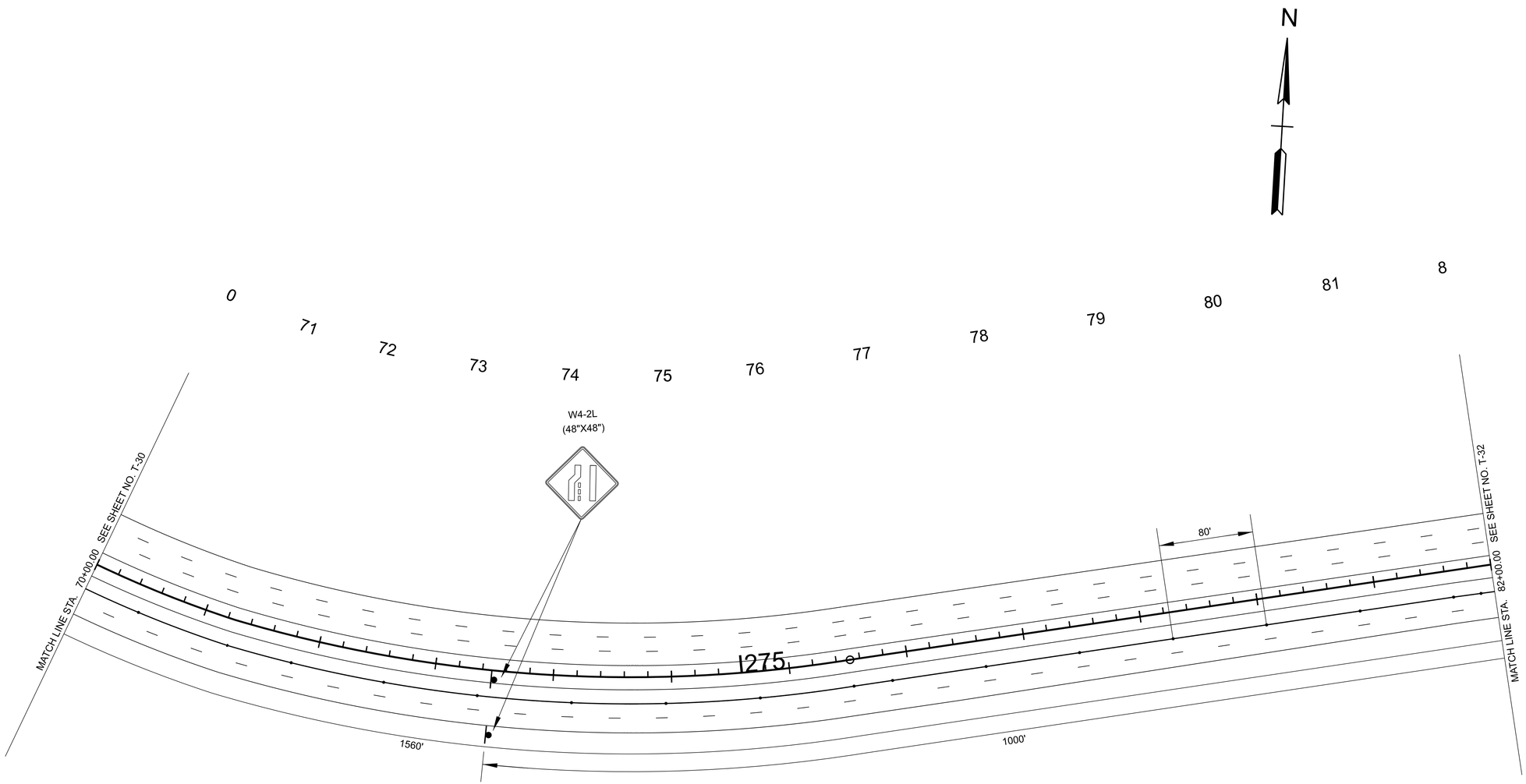
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-31



SEALED BY

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00009 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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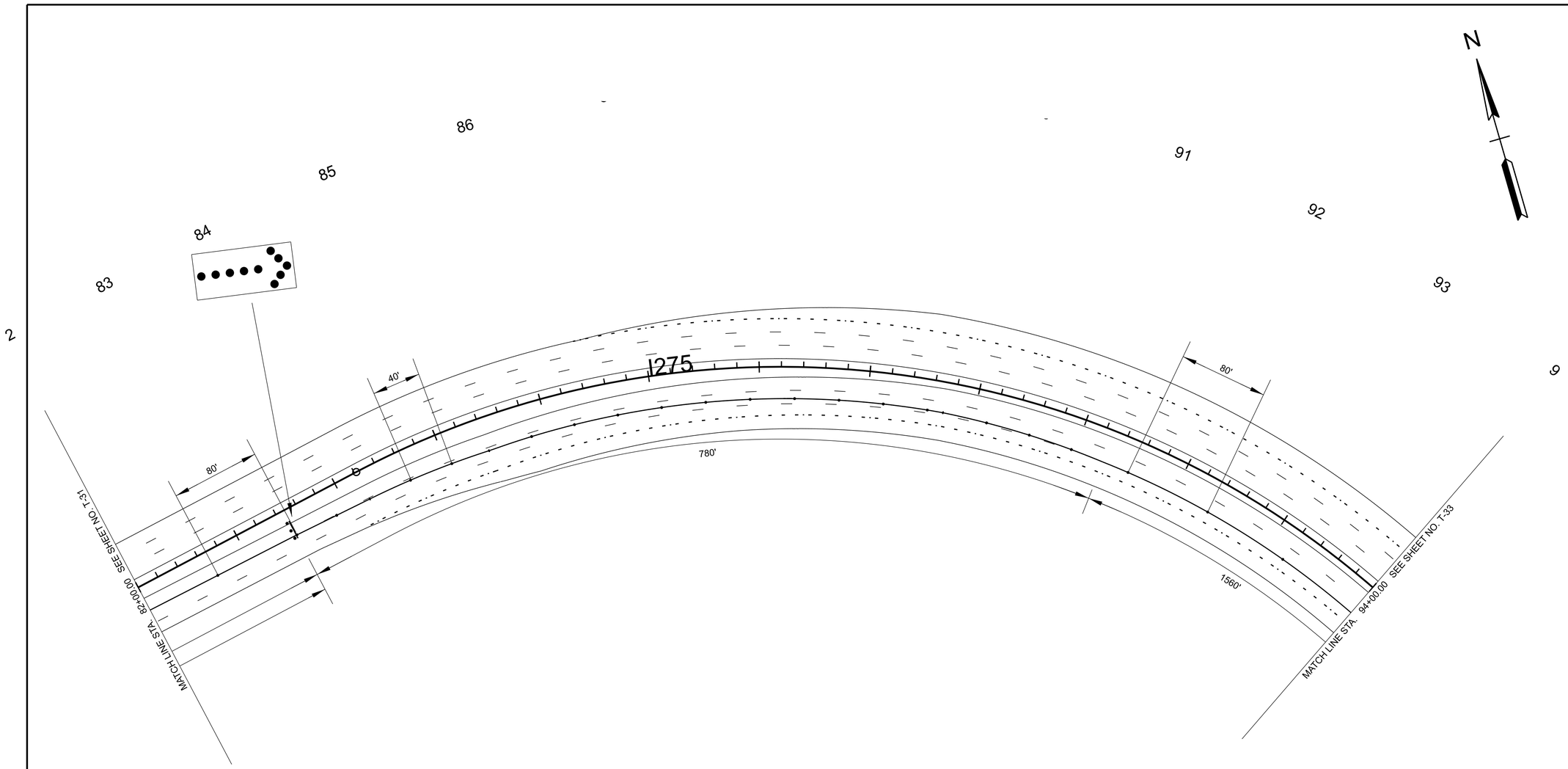
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-32



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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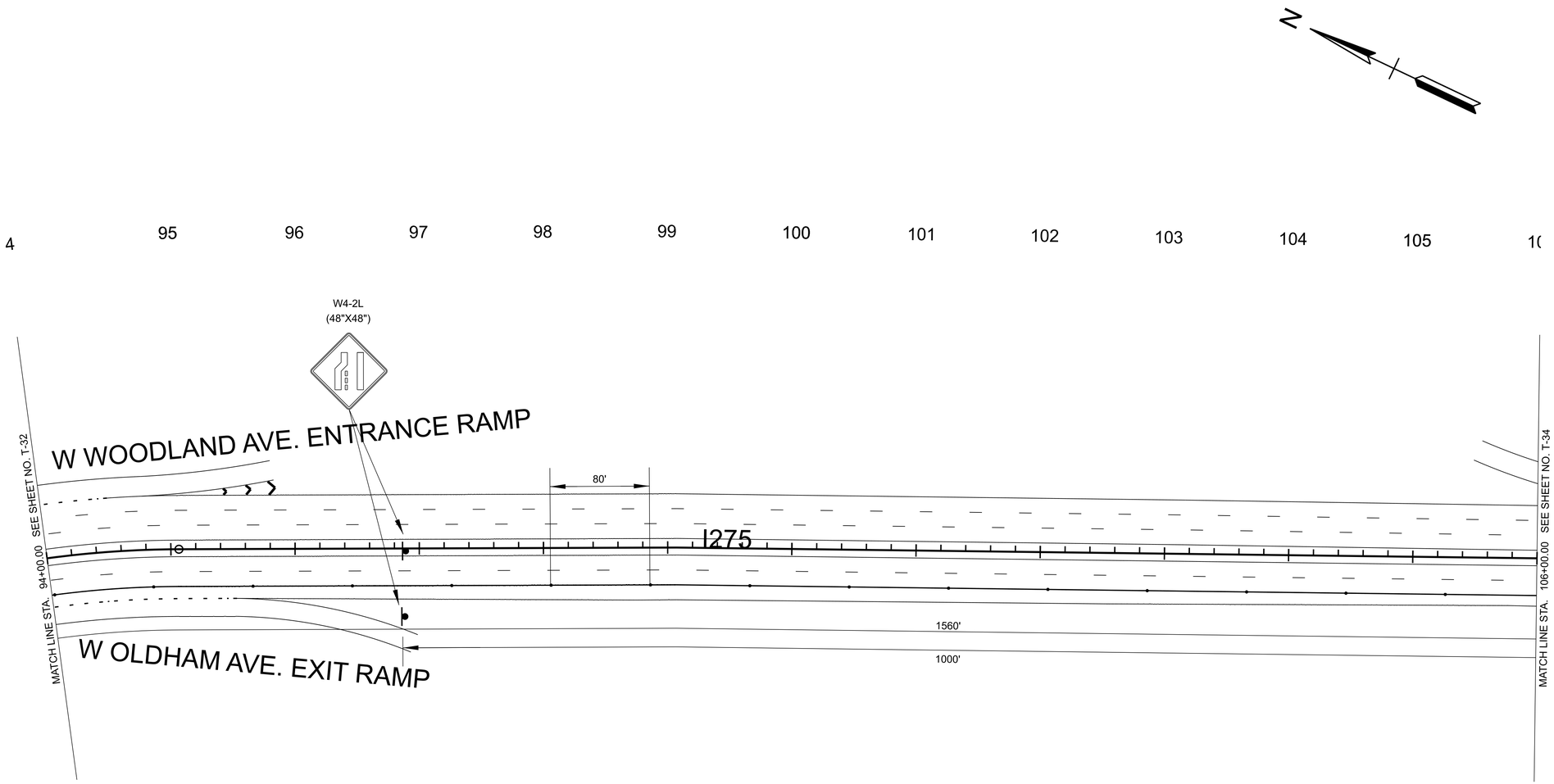
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-33



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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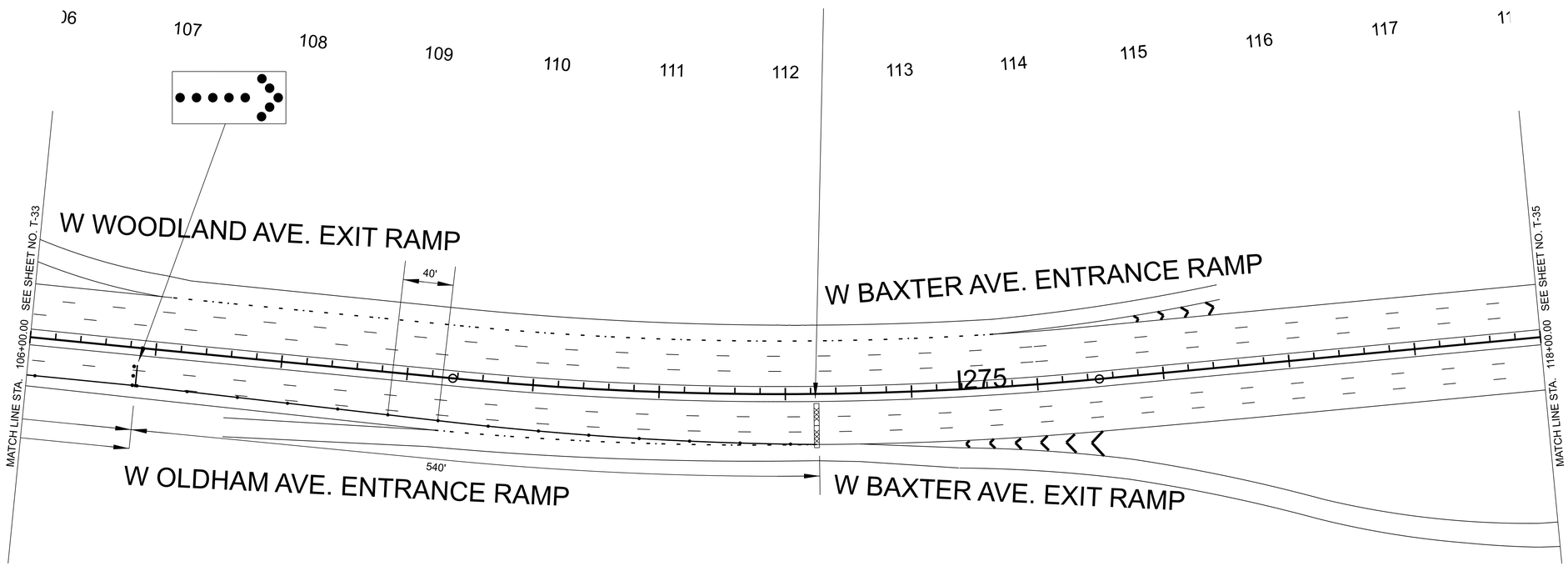
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-34

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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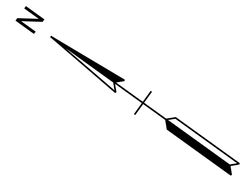
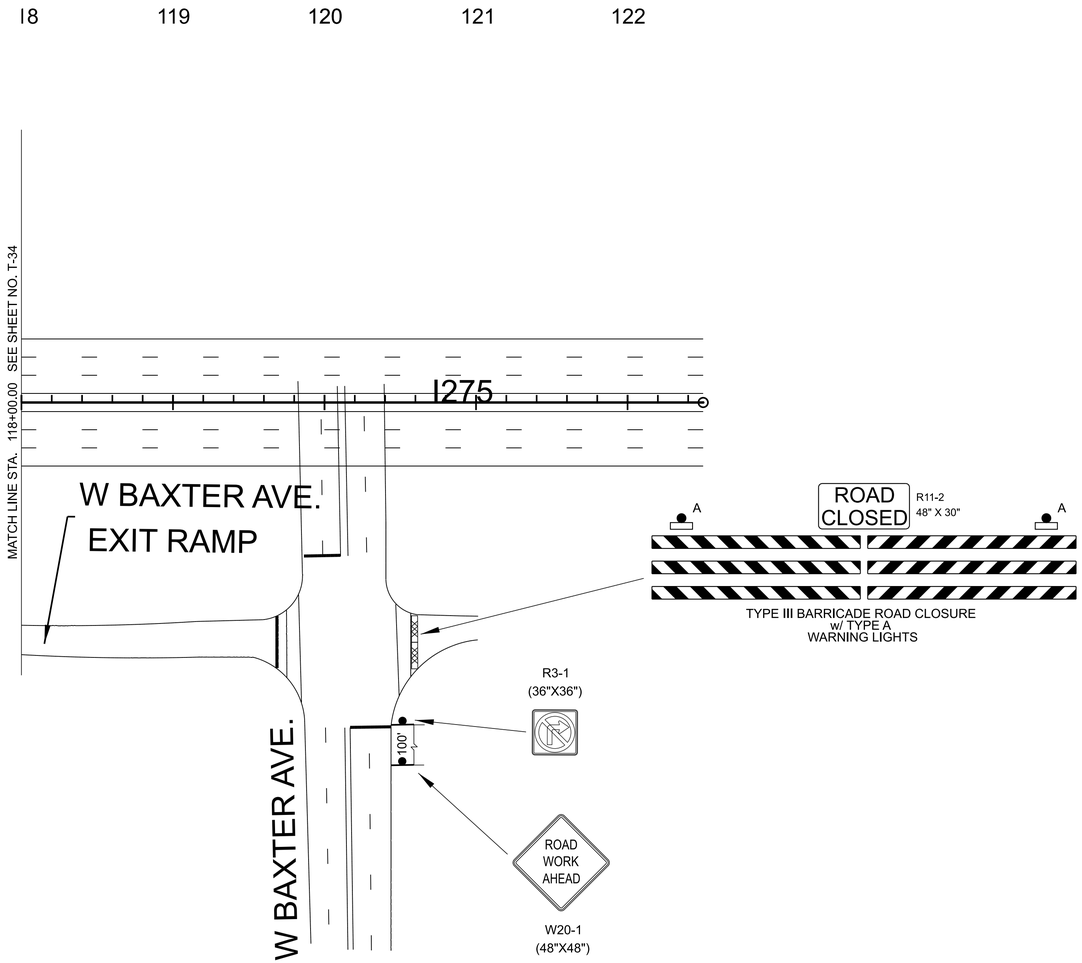
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	T-35





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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

INTERSTATE 275
SCALE: 1" = 50'

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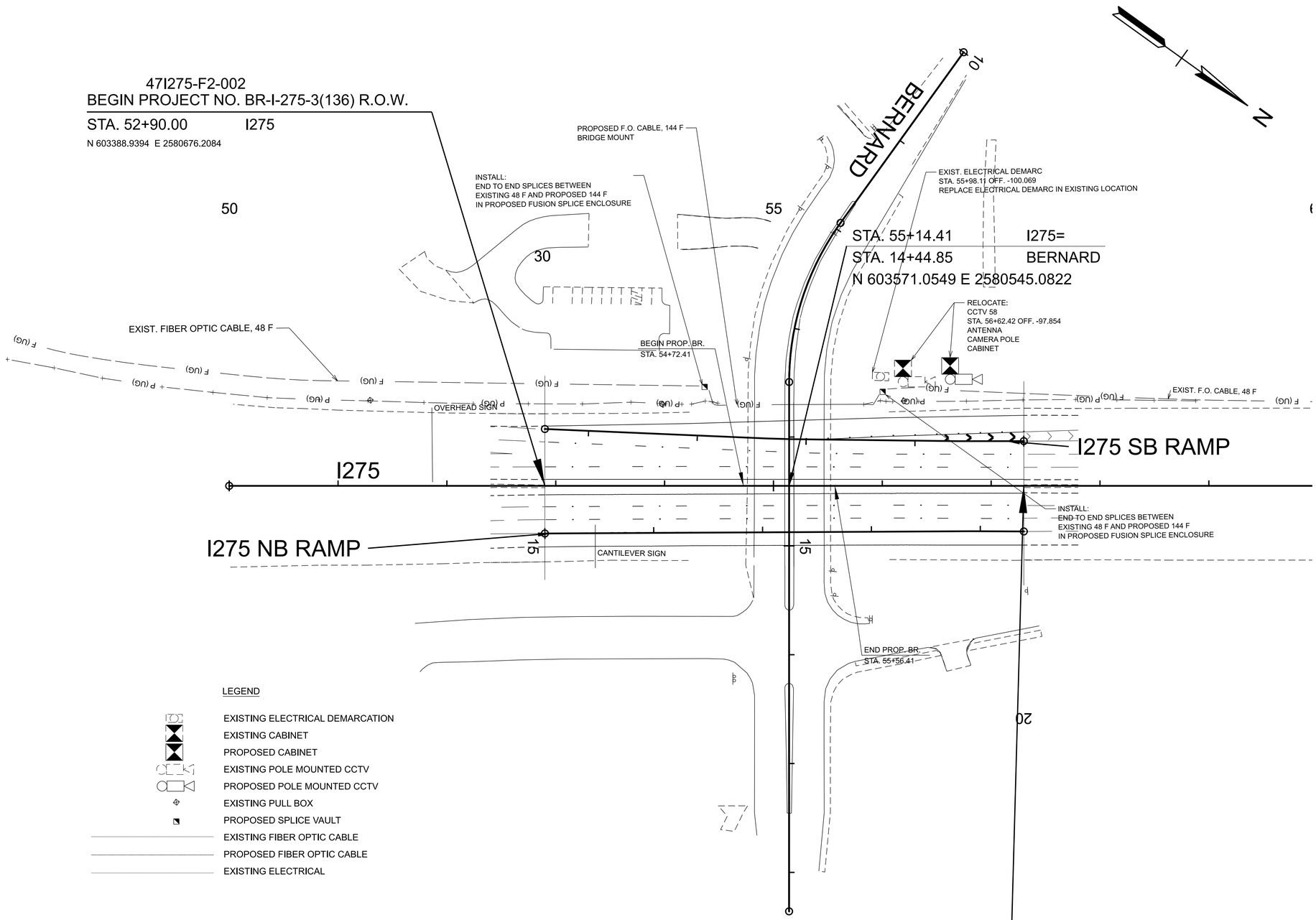
TYPE	YEAR	PROJECT NO.	SHEET NO.
ABBR. FUNCT.	2023	BR-I-275-3(136)	ITS-1



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TO THE NAVD 1988 WITH GEOID .

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ITS
LAYOUT
STA. 52+90 TO STA. 57+30
SCALE: 1"=50'

4/21/2023 4:33:30 PM
C:\PW\WORKING\EAST01\D3015086\SHT-ITS.DGN