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DANIEL JAMES SHIKE
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TENNESSEE DEPARTMENT OF TRANSPORTATION
W.R.S. TENNESSEE TOWER
312 ROSA PARKS AVE.
NASHVILLE, TN 37243
DAN J. SHIKE, P.E. NO. 106952

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SIGNATURE SHEET..... STRUCTURE-SIGN2
INDEX OF BRIDGES..... B-1

BRIDGE NO. 2

LIST OF DRAWINGS	DWG. NO.
INDEX OF DRAWINGS.....	U-102-314
LAYOUT OF BRIDGE.....	U-102-315
SUPERSTRUCTURE.....	U-102-319

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YEAR	PROJECT NO.	SHEET NO.
2026	BR-HIP-205(34)	STRUCTURE-SIGN2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

PROJECT NO.		YEAR	SHEET NO.
BR-HIP-205(34)		2026	B-1
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	08-12-2026	DJS	REVISION DATES
	- -		
	- -		
	- -		
	- -		

SIGNATURE SHEET.....	STRUCTURE-SIGN1	
SIGNATURE SHEET.....	STRUCTURE-SIGN2	08-12-2026
INDEX OF BRIDGES.....	B-1	08-12-2026
ESTIMATED QUANTITIES.....	B-2	

BRIDGE NO. 1

LIST OF DRAWINGS

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BRIDGE NO. 2

LIST OF DRAWINGS

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BENT NOS. 1 THRU 5 DETAILS.....	U-102-332	
FINAL FOUNDATION DATA.....	U-102-333	
BILL OF STEEL.....	U-102-334	

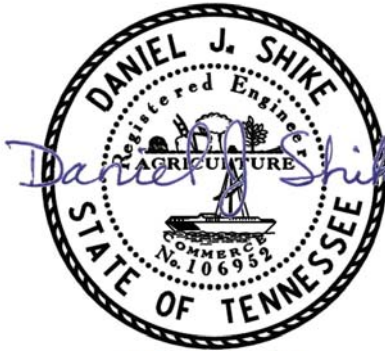
LIST OF STANDARD DRAWINGS

	DWG. NO.	LAST REV. DATE
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET.....	STD-1-1SS	07-09-2025
STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS.....	STD-1-2SS	05-31-2024
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS.....	STD-1-5	05-28-2026
STANDARD PILE DETAILS.....	STD-5-1	
STANDARD PIPE PILE BENT DETAILS.....	STD-5-2	
STANDARD SEISMIC DETAILS.....	STD-6-1	12-08-2023
STANDARD REINFORCEMENT BAR SUPPORT DETAILS FOR CONCRETE SLABS.....	STD-9-1	10-07-2008
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS.....	STD-10-1	06-05-2023
MISCELLANEOUS ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS.....	STD-10-2	06-05-2023
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR BULB-TEE AND WIDE BULB-TEE BEAMS.....	STD-14-1	06-05-2023
STANDARD DETAILS FOR PRESTRESSED BOX BEAMS.....	STD-14-3	03-06-2024
BIKE AND PEDSTRIAN SAFETY RAIL.....	MM-BPR-1	06-12-2025

LIST OF SPECIAL PROVISIONS

	PROV. NO.	LAST REV. DATE
REGARDING REMOVAL OF ASBESTOS CONTAINING MATERIAL (ACM).....	202ACM	07-07-2014
DYNAMIC PILE TESTING.....	930PDA	04-11-2022

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

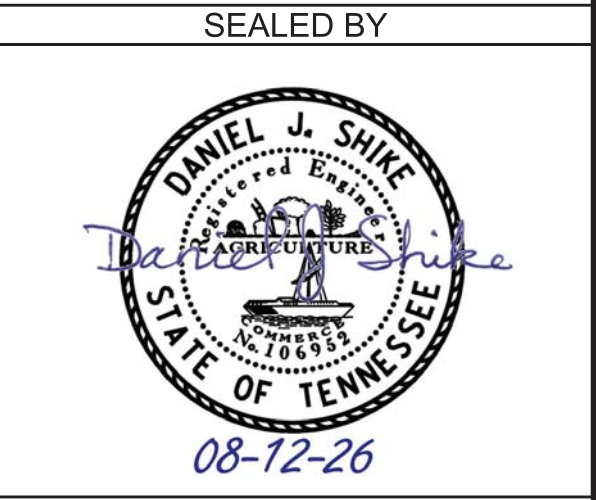
INDEX OF BRIDGES
STATE ROUTE 205
SHELBY COUNTY

PROJECT NO.		YEAR	SHEET NO.
BR-HIP-205(34)		2026	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1.	08-12-2026	DJS	REVISION DATES

 LIST OF DRAWINGS	DWG. NO.	LAST REV. DATE
INDEX OF DRAWINGS -----	U-102-314 -----	08/12/2026
LAYOUT OF BRIDGE -----	U-102-315 -----	08/12/2026
BRIDGE GENERAL NOTES -----	U-102-316 -----	_ / _ / _
BRIDGE QUANTITIES -----	U-102-317 -----	_ / _ / _
FOUNDATION DATA -----	U-102-318 -----	_ / _ / _
FOUNDATION DATA -----	U-102-318A -----	_ / _ / _
SUPERSTRUCTURE -----	U-102-319 -----	08/12/2026
SUPERSTRUCTURE DETAILS -----	U-102-320 -----	_ / _ / _
SUPERSTRUCTURE DETAILS -----	U-102-321 -----	_ / _ / _
SUPERSTRUCTURE DETAILS -----	U-102-322 -----	_ / _ / _
PRESTRESSED WIDE BULB-TEE SPAN 1 & 6 DETAILS -----	U-102-323 -----	_ / _ / _
PRESTRESSED WIDE BULB-TEE SPAN 2 TO 5 DETAILS -----	U-102-324 -----	_ / _ / _
ABUTMENT NO. 1 -----	U-102-325 -----	_ / _ / _
ABUTMENT NO. 1 DETAILS -----	U-102-326 -----	_ / _ / _
ABUTMENT NO. 1 DETAILS -----	U-102-327 -----	_ / _ / _
ABUTMENT NO. 2 -----	U-102-328 -----	_ / _ / _
ABUTMENT NO. 2 DETAILS -----	U-102-329 -----	_ / _ / _
ABUTMENT NO. 2 DETAILS -----	U-102-330 -----	_ / _ / _
BENT NO. 1 THRU 5 -----	U-102-331 -----	_ / _ / _
BENT NO. 1 THRU 5 DETAILS -----	U-102-332 -----	_ / _ / _
FINAL FOUNDATION DATA -----	U-102-333 -----	_ / _ / _
BILL OF STEEL -----	U-102-334 -----	_ / _ / _

LIST OF STANDARD DRAWINGS	DWG. NO.	LAST REV. DATE
BIKE AND PEDESTRIAN SAFETY RAIL -----	MM-BPR-1 -----	06/12/2025
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET -----	STD-1-1SS -----	07/09/2025
STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS -----	STD-1-2SS -----	05/31/2024
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS -----	STD-1-5 -----	05/28/2026
STANDARD PILE DETAILS -----	STD-5-1 -----	
STANDARD PIPE PILE BENT DETAILS -----	STD-5-2 -----	
STANDARD SEISMIC DETAILS -----	STD-6-1 -----	12/08/2023
STANDARD REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS -----	STD-9-1 -----	10/07/2008
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS -----	STD-10-1 -----	06/05/2023
MISC. ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS -----	STD-10-2 -----	06/05/2023
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR BULB - TEE AND WIDE BULB-TEE BEAMS -----	STD-14-1 -----	06/05/2023

LIST OF SPECIAL PROVISIONS	PROV. NO.	LAST REV. DATE
DYNAMIC PILE TESTING -----	930PDA -----	04/11/2022



BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
INDEX OF DRAWINGS
STATE ROUTE 205
OVER
WOLF RIVER
BRIDGE ID NO. 79S80740005
STATION 124+61.79
LOG MILE 2.51
SHELBY COUNTY

PROJECT NO.		YEAR	SHEET NO.
BR-HIP-205(34)		2026	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1.	08-12-2026	DJS	REVISE GRATE DRAIN NOTE

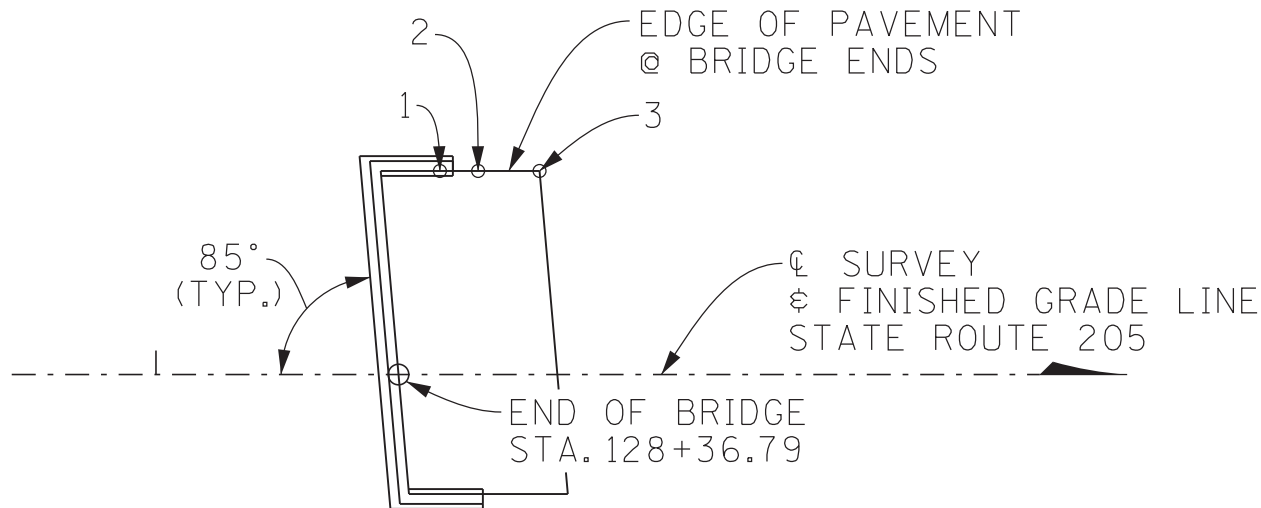
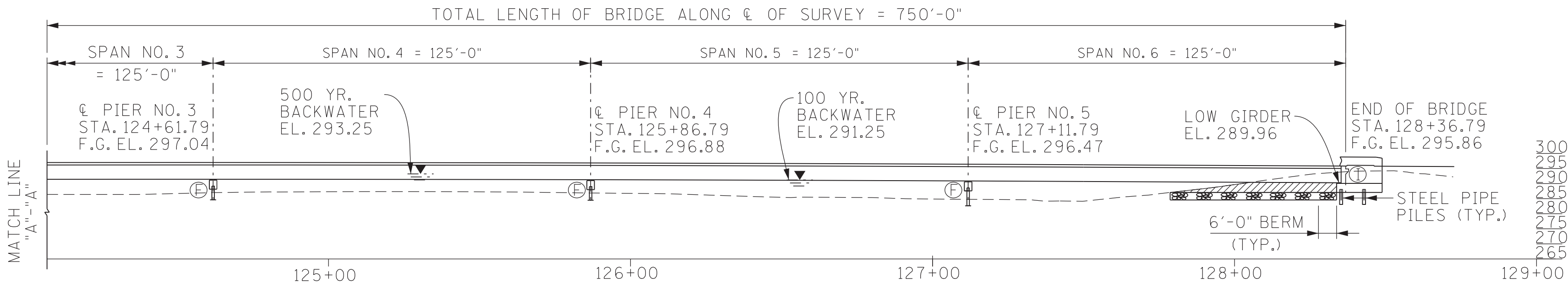
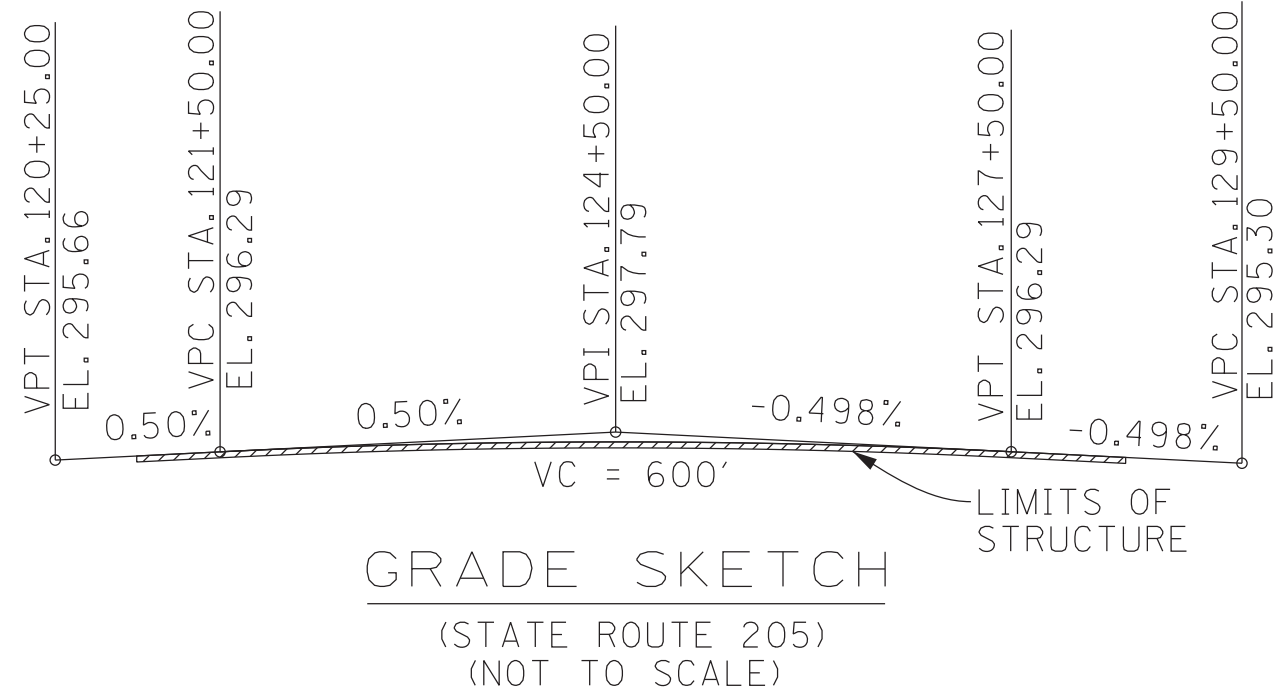
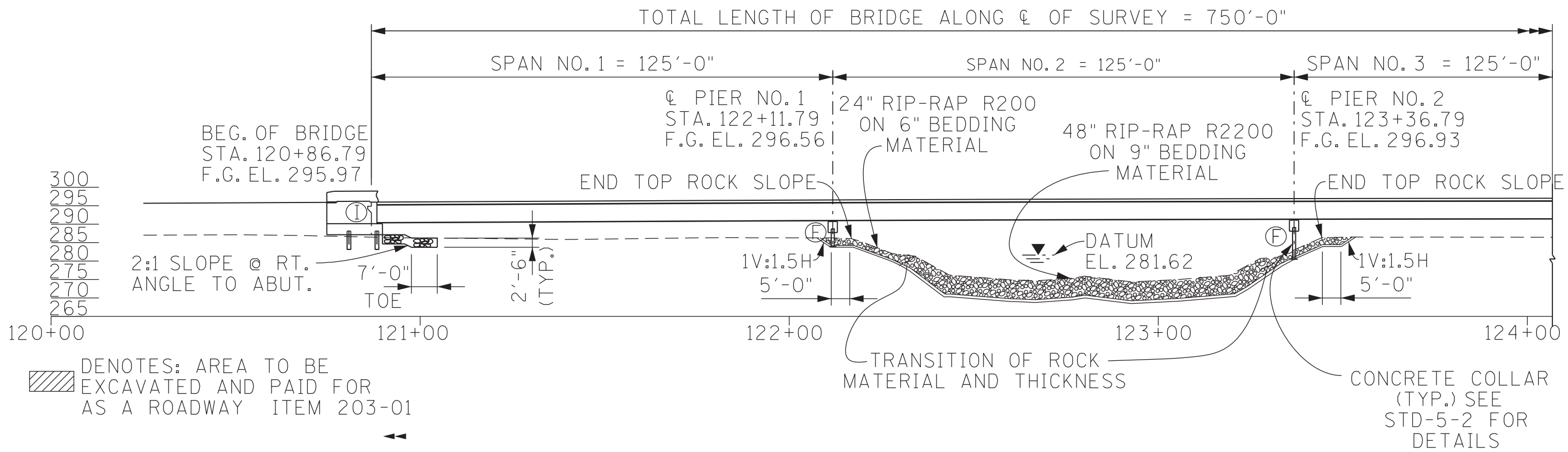
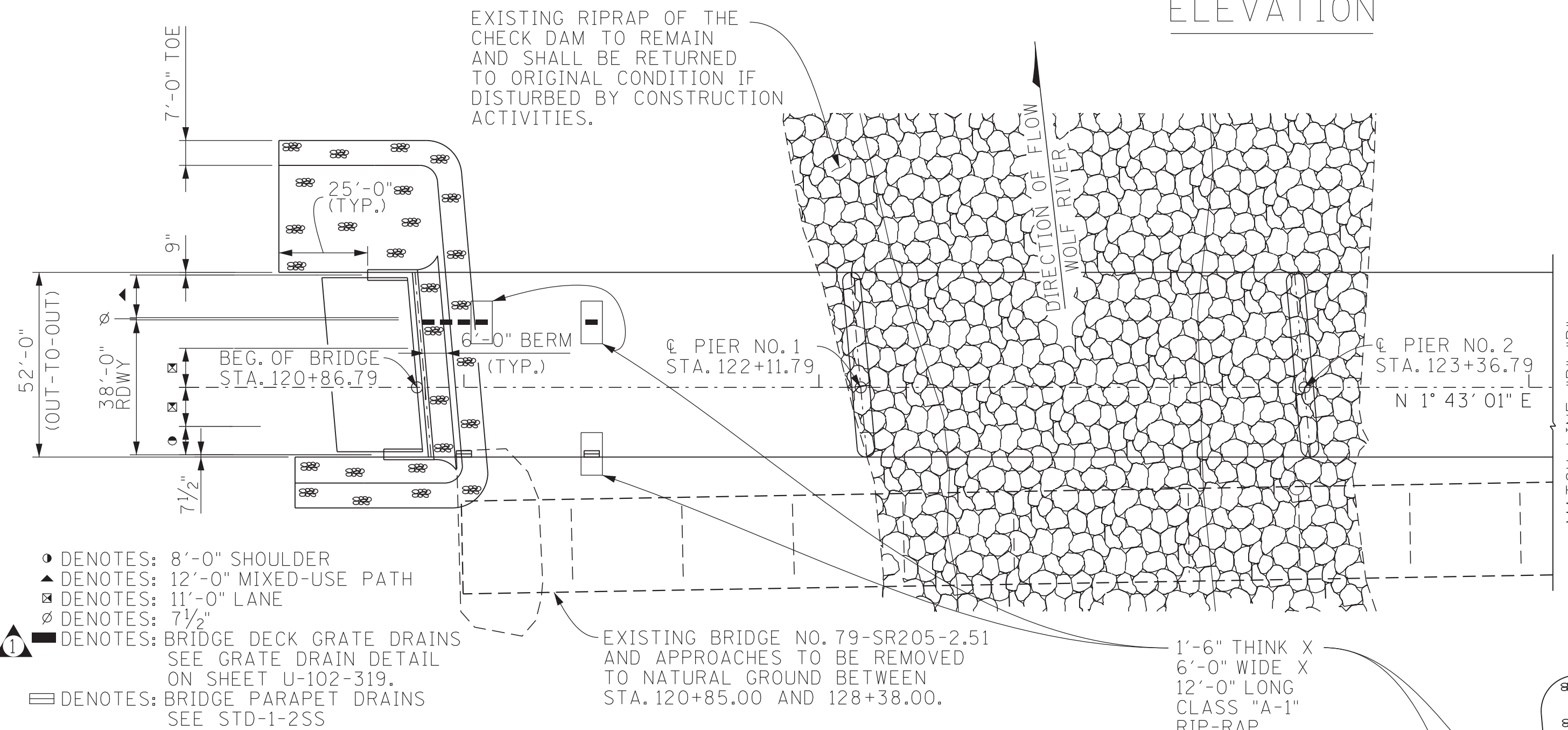


TABLE OF POINTS, STATIONS AND ELEVATIONS

PT.	STATIONS	ELEVATION
1	128+45.94	295.20
2	128+52.02	295.25
3	128+58.09	295.30

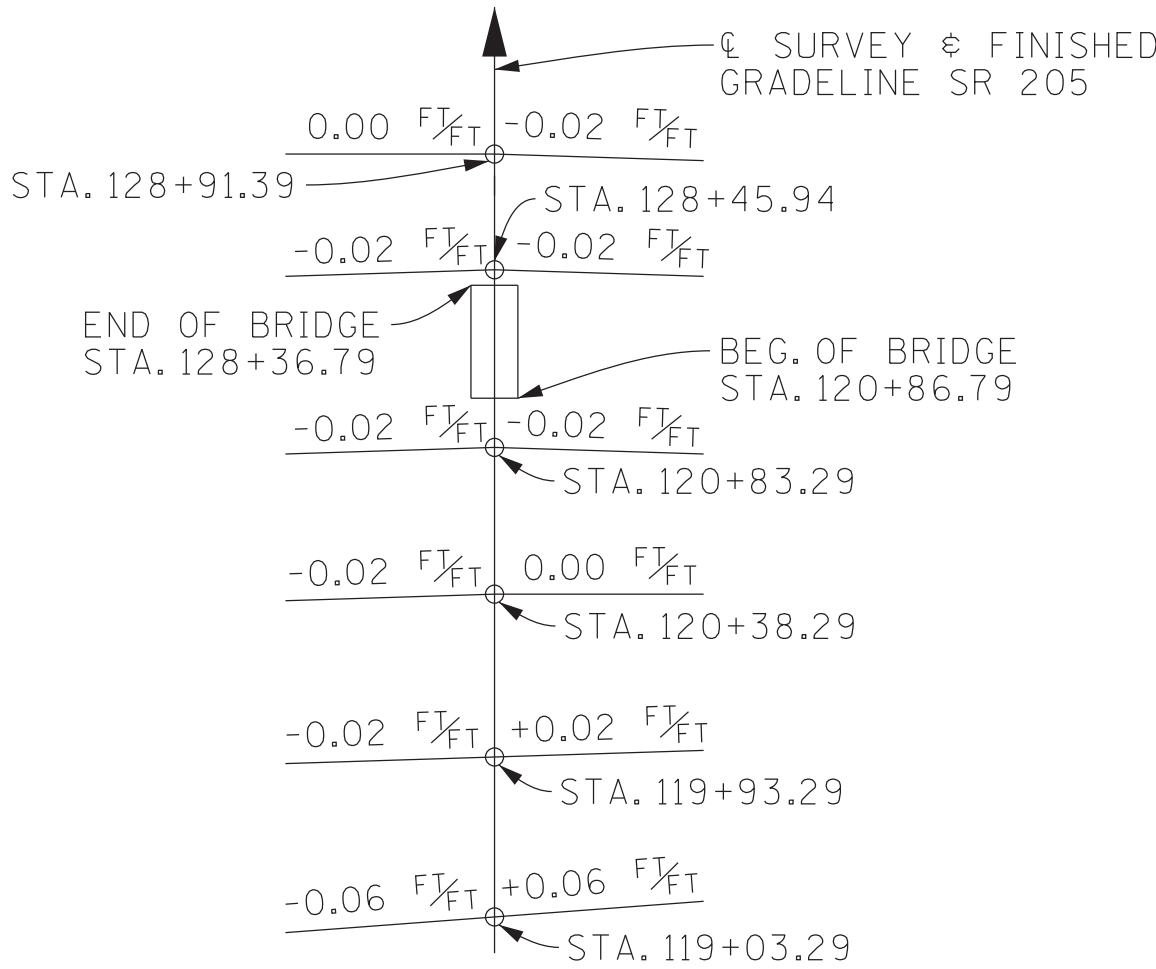


GRATE DRAINS
(FOR LEFT LANE)

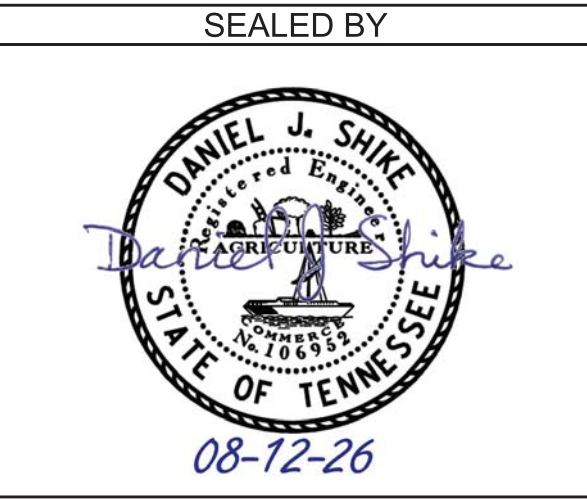
STATIONS
120+90.00
120+95.00
121+00.00
121+05.00
121+36.00
127+66.00
128+15.00
128+20.00
128+25.00
128+30.00

PARAPET DRAINS
(FOR RIGHT LANE)

STATIONS
121+00.00
121+36.00
127+66.00
128+25.00
128+30.00



TRANSITION SKETCH



BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
LAYOUT OF BRIDGE
STATE ROUTE 205
OVER
WOLF RIVER
BRIDGE ID NO. 79S80740005
STATION 124+61.79
LOG MILE 2.51
SHELBY COUNTY

HYDRAULIC DATA

DRAINAGE AREA = 604.7 MI.²
DESIGN DISCHARGE (100 YR.) = 31,356 C.F.S.
BRIDGE DISCHARGE (100 YR.) = 19,530 C.F.S.
WATER AREA PROVIDED BELOW EL. 290.75 = 4,479.37 FT.²
100 YEAR VELOCITY = 4.36 FPS
100 YEAR BRIDGE BACKWATER = 0.95 FT. @ EL. 291.25 FT.
ROADWAY OVERTOPPING = EL. 294.47
500 YR. BRIDGE BACKWATER = 1.49 FT. @ EL. 293.25 FT.

Ded A Krniagewicz
ENGINEER OF STRUCTURES

PIN NO.: 136241.00
DESIGN BY: URVA PATEL DATE: 10-25
DRAWN BY: J. STEVENS DATE: 03-26
SUPERVISED BY: S. STEELE/D. SHIKE DATE: 02-26
CHECKED BY: URVA PATEL DATE: 03-26

PROJECT NO.		YEAR	SHEET NO.
BR-HIP-205(34)		2026	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	8-12-26	DJS	REVISE GRATE DRAIN DETAIL

NOTES

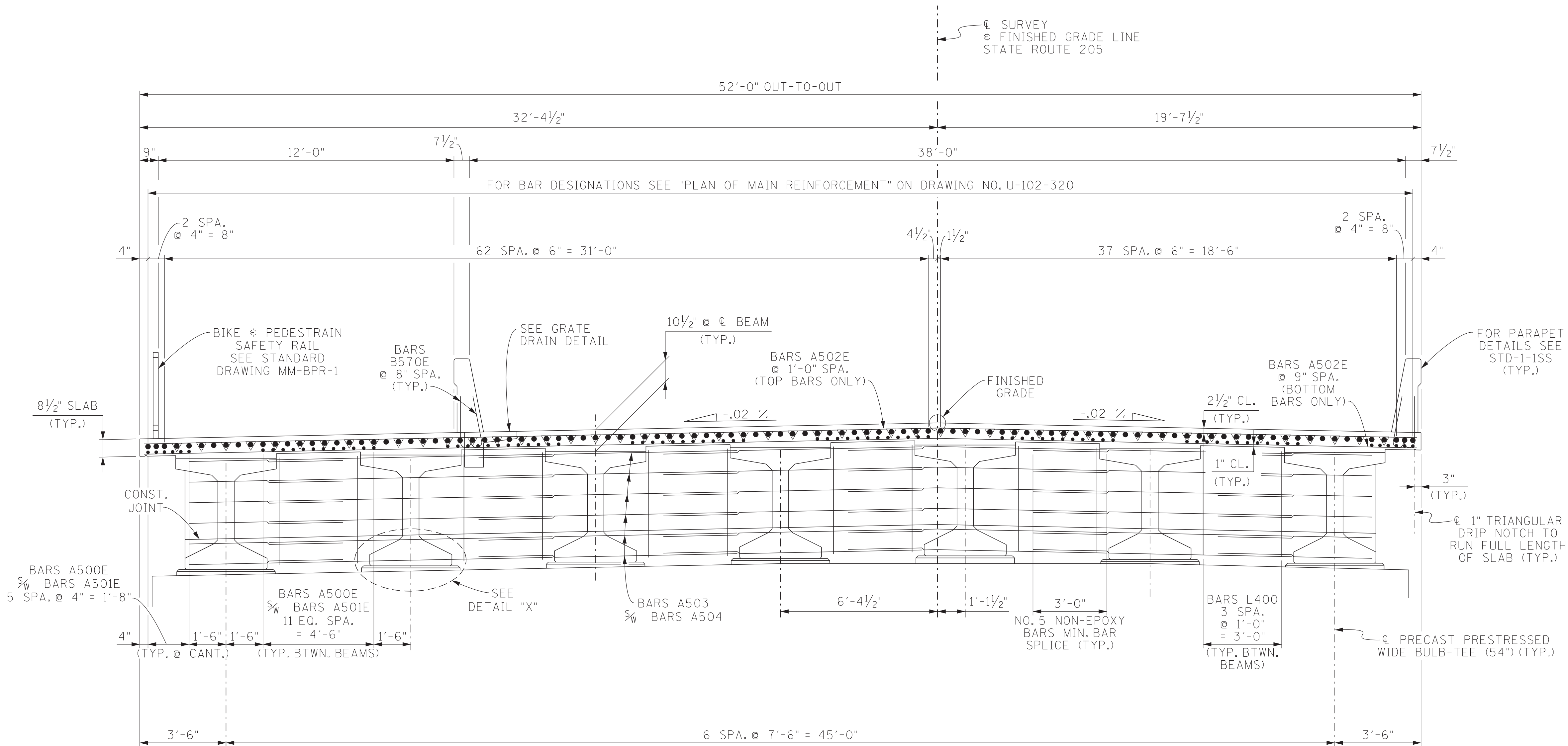
NOTE: NO PORTION OF THE PARAPETS SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

NOTE: WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS FOR BIKE AND PEDESTRIAN SAFETY RAIL AND REINFORCING STEEL FOR PARAPETS. THE PARAPETS SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. ALSO SEE STANDARD DRAWING NOS. STD-1-1SS. AND MM-BPR-1.

NOTE: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. WHILE IT IS STRONGLY RECOMMENDED THAT THE TEMPORARY ERECTION DIAPHRAGMS AND THE PERMANENT INTERMEDIATE DIAPHRAGMS BE INSTALLED PRIOR TO PLACING ANY LOADS ON THE BEAMS, IT IS REQUIRED THAT ALL TEMPORARY ERECTION DIAPHRAGMS AND ALL PERMANENT INTERMEDIATE DIAPHRAGMS IN A SPAN BE FULLY INSTALLED PRIOR TO POURING ANY PORTION OF THE SLAB IN THAT SPAN.

NOTE: THE SUPPORT DIAPHRAGMS AT THE BENTS SHALL BE FORMED AND THE BOTTOM 15 INCHES POURED AS SOON AS POSSIBLE AFTER THE BEAMS HAVE BEEN SET. THE REMAINDER OF THE DIAPHRAGMS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB. THE BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE REMAINDER OF THE SUPPORT DIAPHRAGMS AND DECK SLAB. ALL DIAPHRAGM CONCRETE SHALL BE INCLUDED IN THE QUANTITY FOR CLASS DS CONCRETE

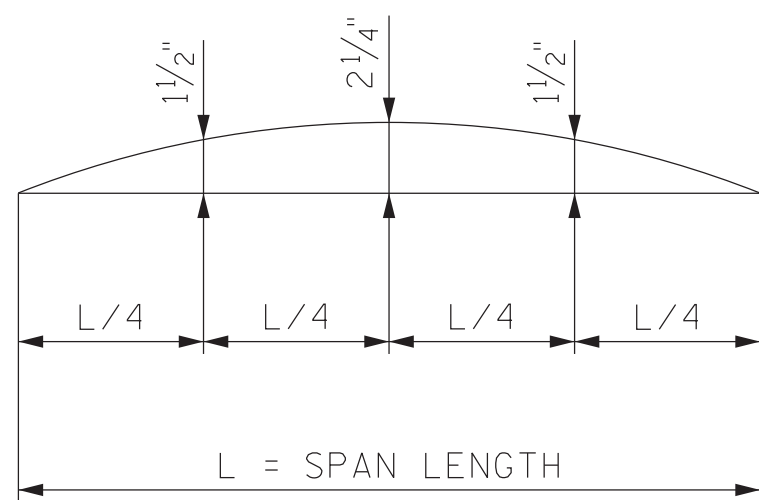
NOTE: THE MM-BPR-1 BIKE AND PEDESTRIAN SAFETY RAIL SHALL BE PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE. PROVIDE 6"X6"X1/8" THICK ELASTOMERIC OR NEOPRENE PAD WITH 5/8" DIA. HOLES FOR ANCHOR BOLTS UNDER THE ANCHOR PLATE FOR THE MM-BPR-1 SAFETY RAIL.



▼ DENOTES: CUT-OFF BARS

1 TYPICAL CROSS SECTION

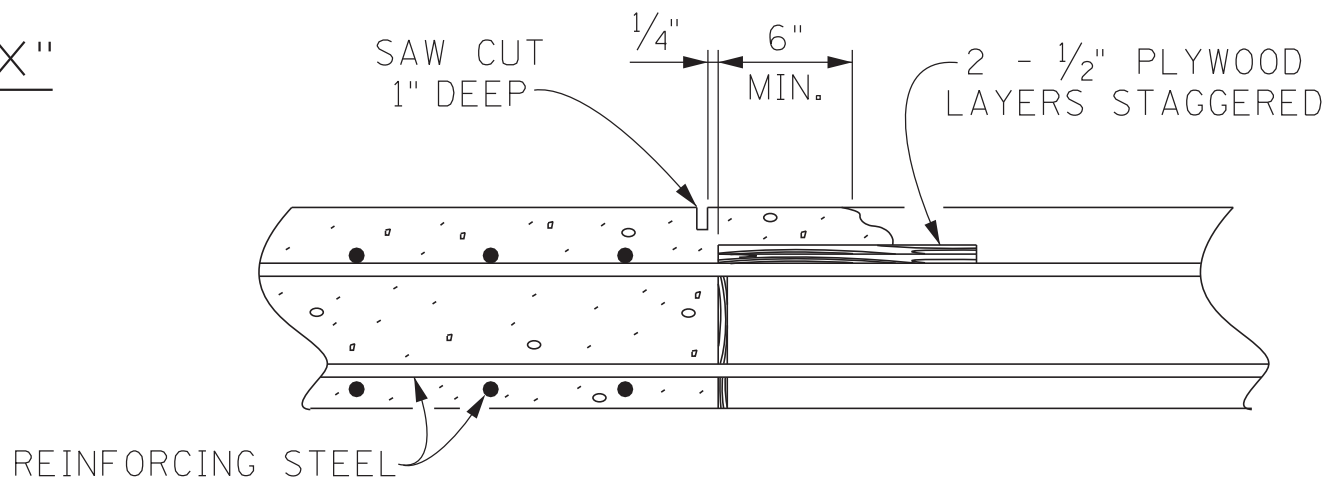
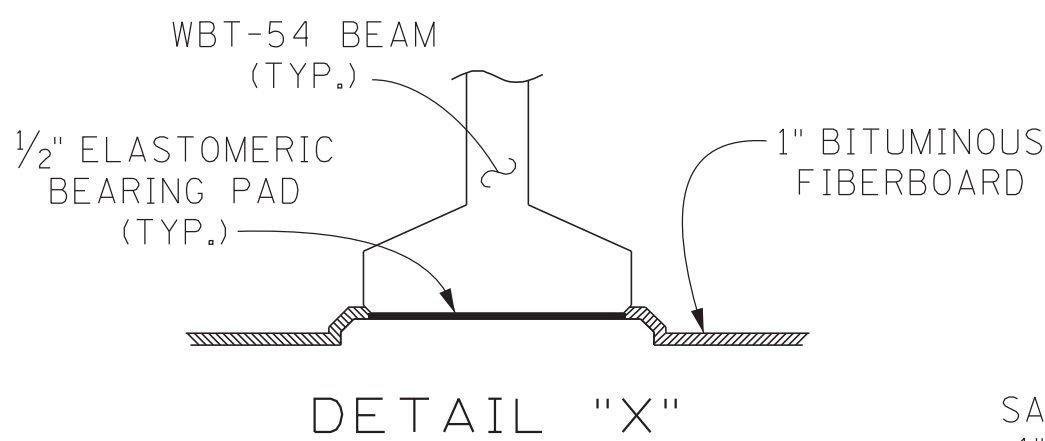
(LOOKING FORWARD ON SURVEY)



DEAD LOAD CORRECTION CURVE

DEAD LOAD CORRECTION CURVE: THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE AND SHALL BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE.

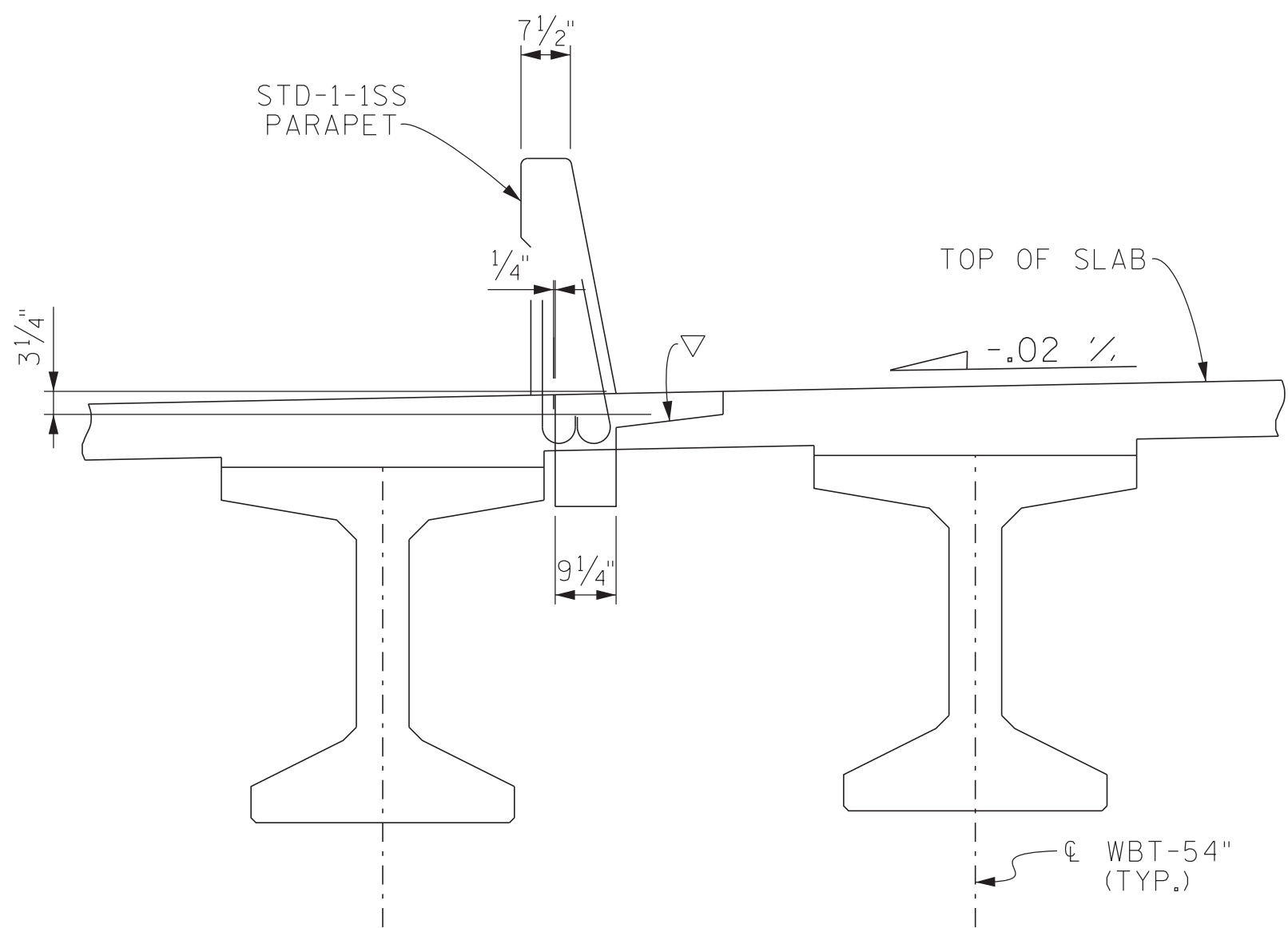
NOTE: PRESTRESSED DECK PANELS ARE NOT ALLOWED.



SLAB CONSTRUCTION JOINT DETAIL

DECK CONCRETE POURING SEQUENCE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION SUBJECT TO THE FOLLOWING:

- NO CONSTRUCTION JOINT SHALL BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.
- THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED TO WITHIN AT LEAST 15 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.
- ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAILS SHOWN ON THIS SHEET.



1 GRATE DRAIN DETAIL

1 ▼ DENOTES: TYPE 2 GRATE DRAIN IN ACCORDANCE WITH STD-1-2SS.

PIN NO.: 136241.00
DESIGN BY: URVA PATEL DATE: 10-25
DRAWN BY: T. WISEMAN DATE: 02-26
SUPERVISED BY: S. STEELE/D. SHIKE DATE: 02-26
CHECKED BY: A. OMAR DATE: 03-26



BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE
STATE ROUTE 205
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