

ROWHOLD, LLC
BLOCK 404
LOT 18

-
- 0 1/2 1 2 3 4
- ORIGINAL SIZE IN INCHES

CONSTRUCTION PLAN -7-
U-TURN AT MILEPOST 43.03

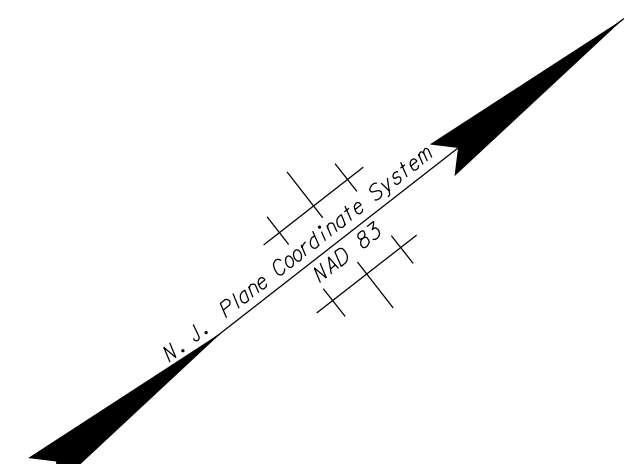
CHURCHILL CONSULTING ENGINEERS
BERLIN, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

JOSEPH E. KEIL, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

SCALE: 1"=50'

DATE: JUNE 2025

REV.	DESCRIPTION	DATE	BY	CHK



	BY	DATE
MADE:	AEC	12/24
TRACED:	AEC	12/24
CHECKED:	JRP	12/24
SUPERVISED:	JEK	

REV.	DESCRIPTION	DATE	BY	CHK

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

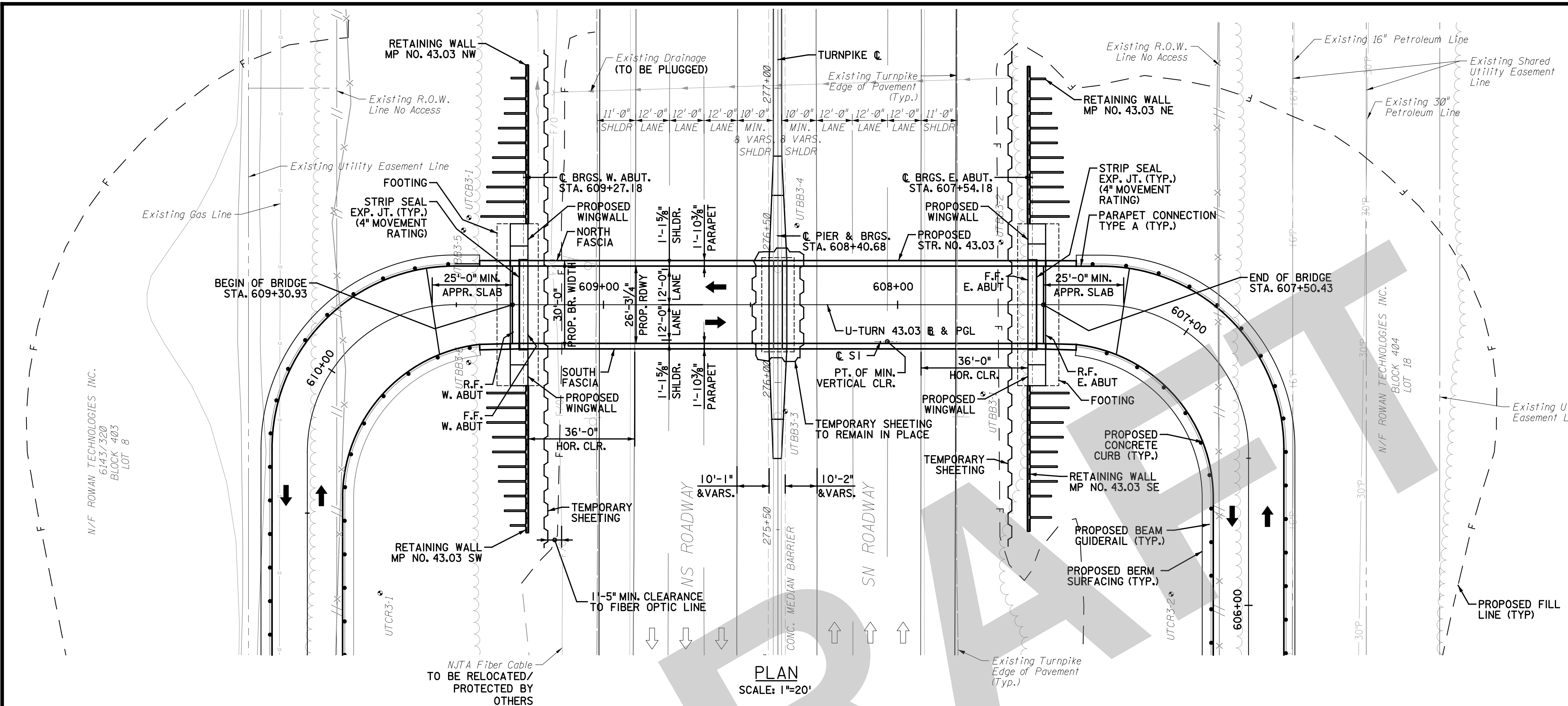
SIGNING AND STRIPING PLAN -2-
U-TURN AT MILEPOST 43.03

CHURCHILL CONSULTING ENGINEERS
BERLIN, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

SCALE: 1"=50'

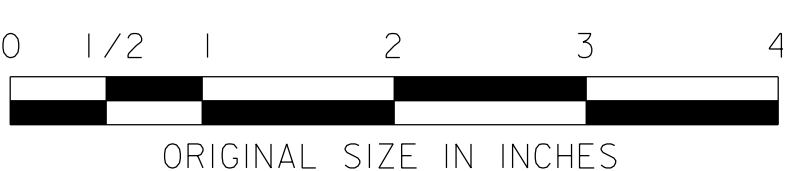
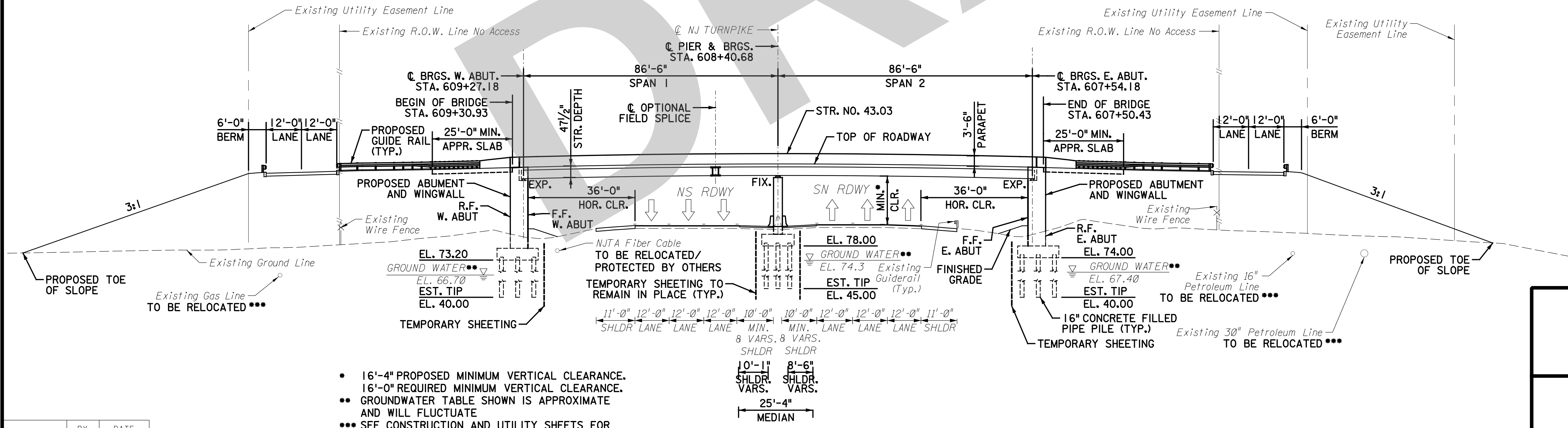
DATE: JUNE 2025





- NOTES:**
- SOUTH FASCIA GIRDER SHOWN IN ELEVATION VIEW. FOR LOCATION OF OPTIONAL FIELD SPLICE FOR ALL GIRDERS, SEE FRAMING PLAN.
 - LIMITS AND TYPE OF TEMPORARY SHEETING AND TEMPORARY SHEETING TO REMAIN WHERE SHOWN ON PLANS ARE CONCEPTUAL. THE CONTRACTOR SHALL SELECT THE TYPE OF SHEETING REQUIRED BASED ON FIELD CONDITIONS AND DESIGN LOADS, AND SHALL SUBMIT DESIGN SEALED AND SIGNED BY NJPE FOR ENGINEER'S APPROVAL.
 - ONLY EXISTING UTILITIES ARE SHOWN ON THIS SHEET. FOR PROPOSED UTILITIES, REFER TO THE CONSTRUCTION AND UTILITY PLANS.
 - THERE ARE PERMANENT CHANGES TO THE ROW. REFER TO THE CIVIL AND MPT PLANS FOR OVERALL LIMITS OF PERMANENT ROW.
 - DEWATERING:**
ALL EXCAVATION SHALL BE MAINTAINED IN THE DRY AND DEWATERING MAY BE REQUIRED DURING CONSTRUCTION. SUMP PUMPS OR OTHER MEASURES MAY BE USED TO DEWATER THE EXCAVATION. CONTRACTOR SHALL DETAIL THEIR METHOD OF DEWATERING AND SUBMIT IT TO THE ENGINEER FOR APPROVAL.
DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH SECTION 14-1 OF THE NJ SESC STANDARDS.

- REFERENCES:**
- FOR TYPICAL SECTION, SEE SHEET S-39.
 - FOR DRAINAGE DETAILS, SEE DRAINAGE PLANS.
 - FOR UTILITY DETAILS, SEE UTILITY PLANS.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

GENERAL PLAN AND ELEVATION
U-TURN AT MILEPOST 43.03

CHURCHILL CONSULTING ENGINEERS
BERLIN, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

JOSEPH E. KEIL, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

SCALE: 1"=20'
DATE: JUNE 2025

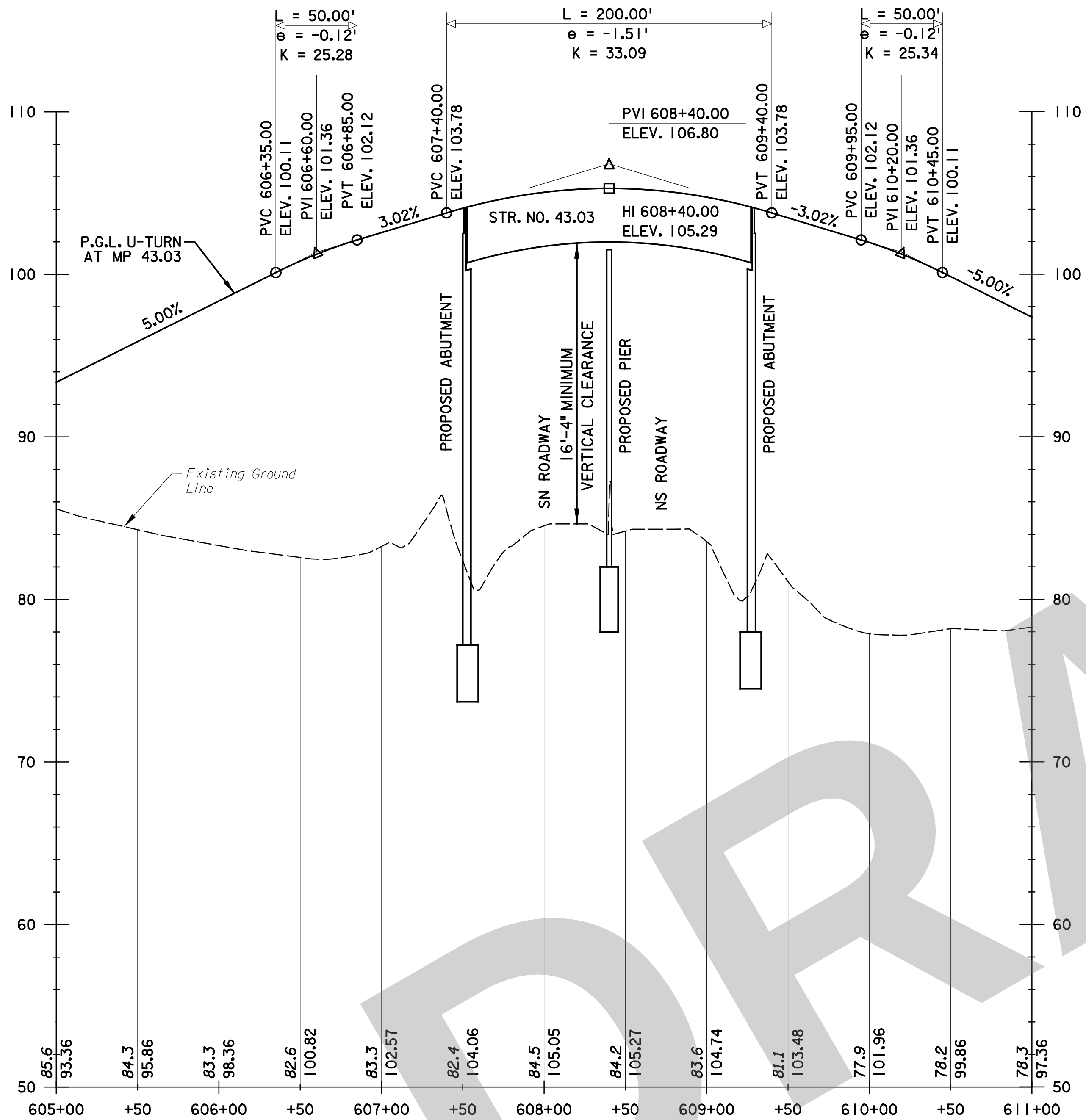
NAME: Stephanie Dunn	BY	DATE
DATE & TIME: 5/28/2025 5:54:27 PM	DMT	12/24
Baker PW Part Location: Master File	DMT	12/24
	JRP	12/24
	JEK	

- 16'-4" PROPOSED MINIMUM VERTICAL CLEARANCE. 16'-0" REQUIRED MINIMUM VERTICAL CLEARANCE.
- GROUNDWATER TABLE SHOWN IS APPROXIMATE AND WILL FLUCTUATE
- SEE CONSTRUCTION AND UTILITY SHEETS FOR UTILITY RELOCATION AND ASSOCIATED RIGHT-OF-WAY AND UTILITY EASEMENT MODIFICATIONS.

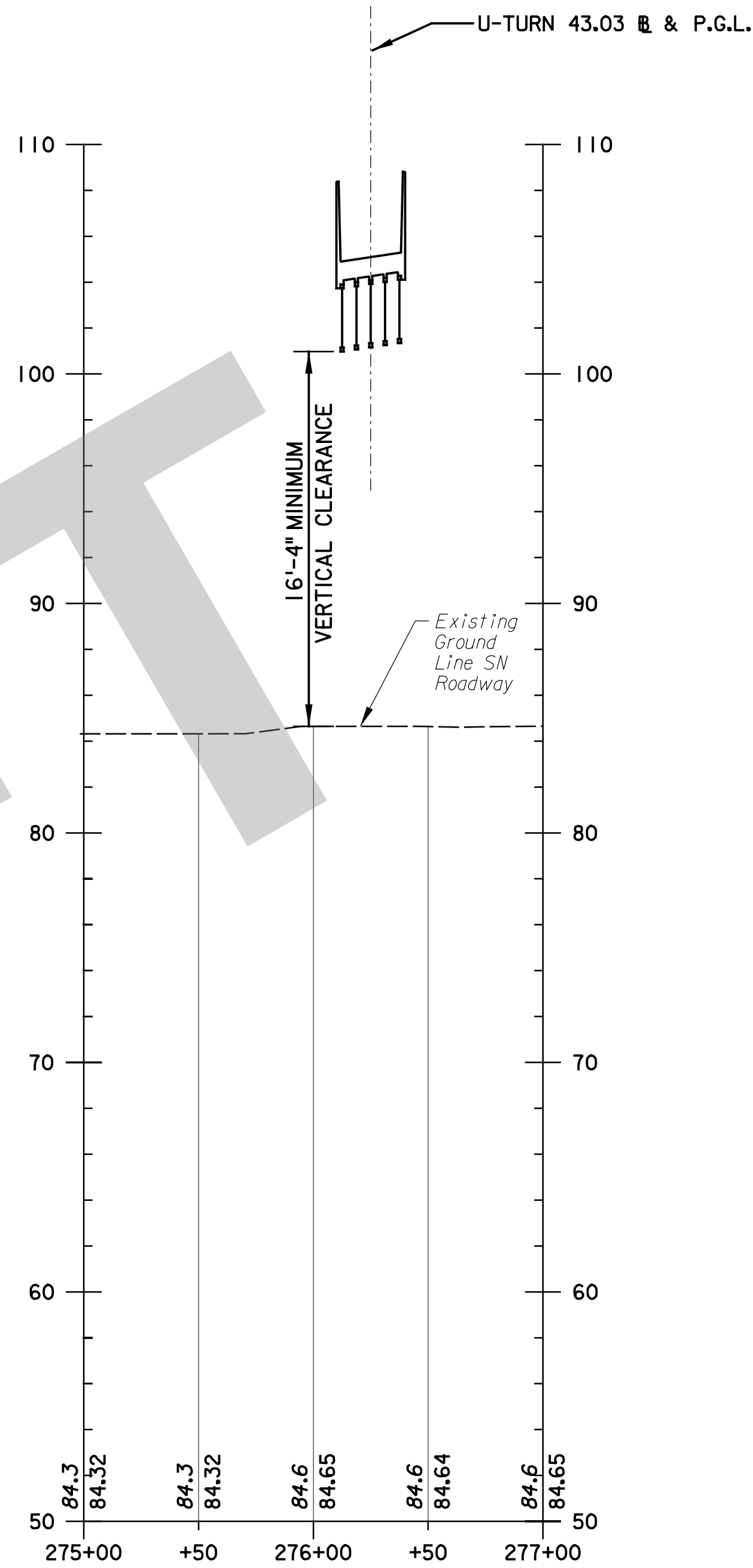
REV.	DESCRIPTION	DATE	BY	CHK.

NAME: Stephanie.Dunn
DATE & TIME: 5/28/2025 5:54:28 PM
Baker Pw Path Location: Master File

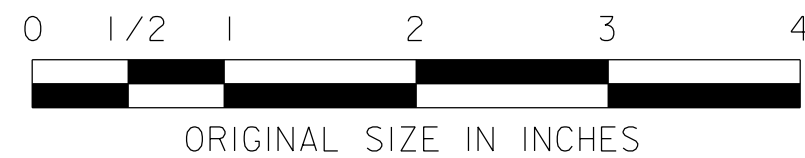
	BY	DATE
MADE:	DMT	12/24
TRACED:	DMT	12/24
CHECKED:	JRP	12/24
SUPERVISED:	JEK	



U-TURN AT MP 43.03
HORIZ. 1" = 50'-0"
VERT. 1" = 5'-0"



PROPOSED SECTION AT POINT OF MIN. CLEARANCE
HORIZ. 1" = 50'-0"
VERT. 1" = 5'-0"



NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

CONTRACT NO. T100.724

GRADE SEPARATED U-TURN STRUCTURES

AT MILEPOSTS 22.97, 43.03, AND 46.07

PROFILE

U-TURN AT MILEPOST 43.03

CHURCHILL CONSULTING ENGINEERS

BERLIN, NEW JERSEY

CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

JOSEPH E. KEIL, P.E.

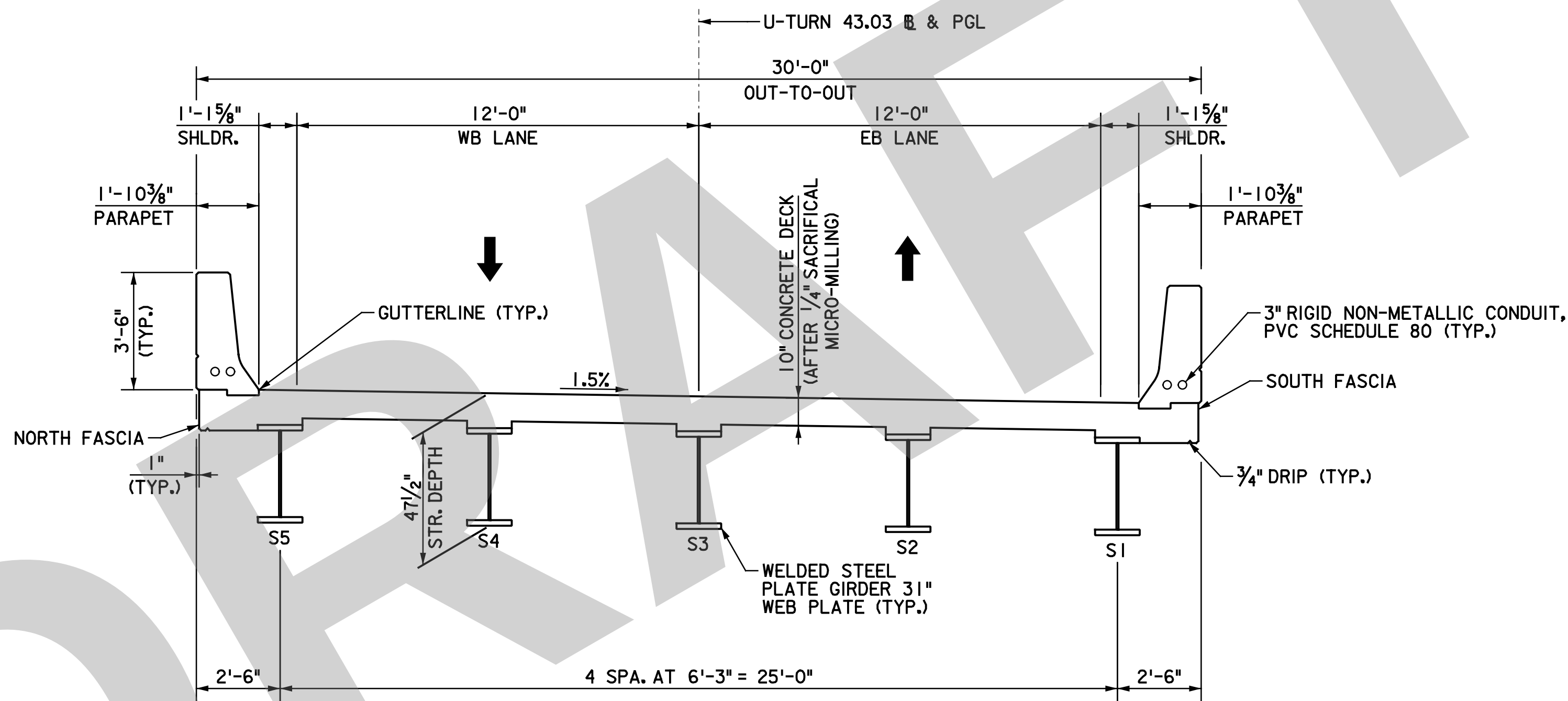
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

SCALE: 1"=50' H - 1"=5' V

DATE: JUNE 2025

REV.	DESCRIPTION	DATE	BY	CHK.

FILE NAME: T100_724_PC_0184.sht



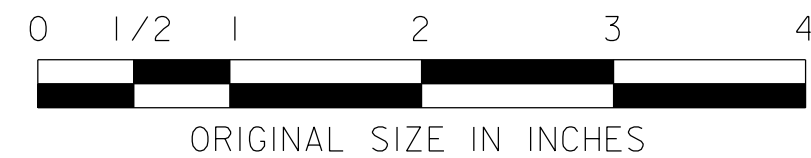
TYPICAL SECTION
(LOOKING EAST)
SCALE: 3/8\"=1'-0"

NOTES:

- THE 1/4" SACRIFICIAL THICKNESS FOR MICRO-MILLING ATOP THE PROPOSED DECK IS NOT SHOWN FOR CLARITY.
- PROVIDE TEMPORARY CATCHES OR PROTECTIVE SHIELDING IN ACCORDANCE WITH THE SPECIFICATIONS. THE CATCHES SHALL EXTEND THE FULL LENGTH AND WIDTH OF THE BRIDGE, ENCLOSE THE FASCIA OVERHANGS, AND PROJECT A MINIMUM OF 2 FEET ABOVE THE TOP OF THE PROPOSED BARRIER PARAPET. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM "STRUCTURAL STEEL".

REFERENCES:

- FOR DECK PLAN AND SECTION, SEE SHEET S-65.
- FOR DECK DETAILS, SEE SHEET S-66 AND S-67.
- FOR DECK GRADING, SEE SHEET S-68.
- FOR PARAPET DETAILS, SEE NJTA STD. DWG. BR-7.
- FOR DIAPHRAGM DETAILS, SEE SHEET S-63.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

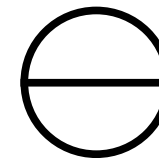
STRUCTURE NO. 43.03
TYPICAL SECTION

CHURCHILL CONSULTING ENGINEERS
BERLIN, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

JOSEPH E. KEIL, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

SCALE: AS NOTED

DATE: JUNE 2025



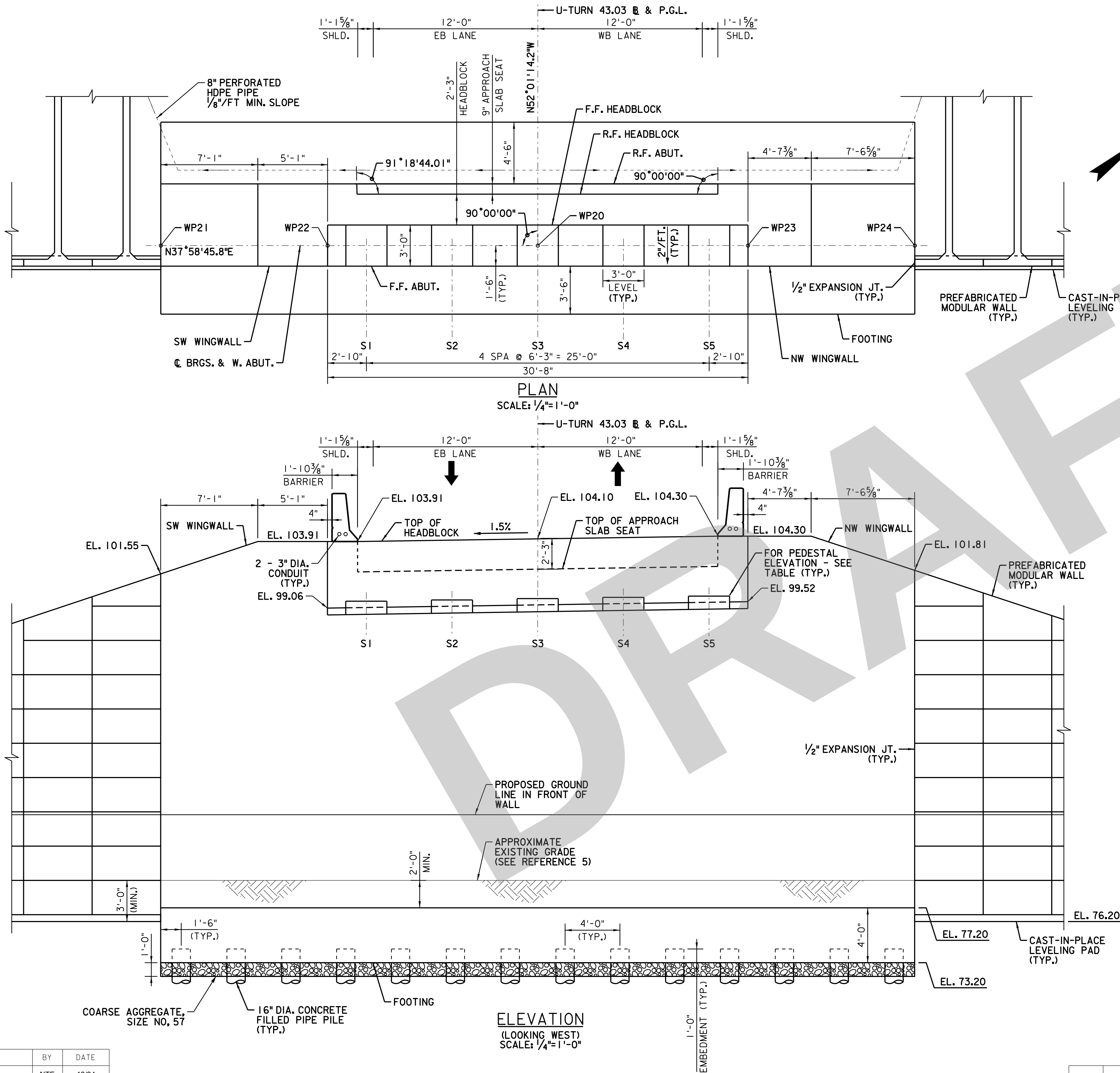
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MADE:	DMT	12/24
TRACED:	DMT	12/24
CHECKED:	JRP	12/24
SUPERVISED:	JEK	

REV.	DESCRIPTION	DATE	BY	CHK.

FILE NAME: T100_724_PC_0185.sht

NAME: Julius Slied
DATE & TIME: 19-DEC-2024 14:35
BAKER PVI File Location: p:\pmb-us-pw\benlilly\comrnb-us-pw-18\Documents\Hamilton_NJ01_Projects\NJ\7494976_T100_Grade-Separated-U-Turn\CAD\StructurePhase-C2\BIMSpace-43\03T100_724_PC_0192.dwg

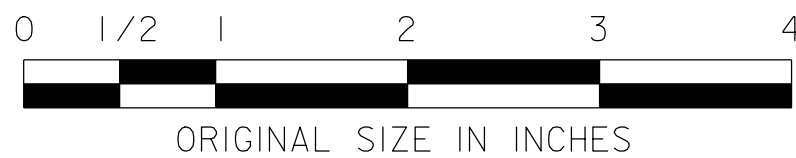
	BY	DATE
MADE:	NTE	12/24
TRACED:	RJG	12/24
CHECKED:	FB	12/24
SUPERVISED:	HI	



REFERENCE:

1. FOR TYPICAL ABUTMENT SECTION, SEE SHEET S-54.
2. FOR ABUTMENT RETAINING WALL PLANS AND ELEVATIONS, SEE SHEETS S-50 THRU S-53.
3. FOR WEST ABUTMENT FOOTING AND PILE LAYOUT, SEE SHEET S-41.
4. FOR SHEAR KEY DETAILS, SEE CONSTRUCTION JOINT ON SHEET S-55.
5. FOR GRADING SECTIONS, SEE SHEETS DG-3 AND DG-4.
6. FOR DRAINAGE DETAILS, SEE SHEETS DG-3 AND DG-4.

PEDESTAL ELEV.	
LOCATION	ELEVATION
S1	99.56
S2	99.65
S3	99.75
S4	99.84
S5	99.93



MICHAEL BAKER INTERNATIONAL, INC.
HAMILTON, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA27954700

JOSEPH A. DANYO, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03470800

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

WEST ABUTMENT PLAN AND ELEVATION
U-TURN AT MILEPOST 43.03

CHURCHILL CONSULTING ENGINEERS
BERLIN, NEW JERSEY
CERTIFICATE OF AUTHORIZATION NO. 24GA28391900

SCALE: AS NOTED

JOSEPH E. KEIL, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

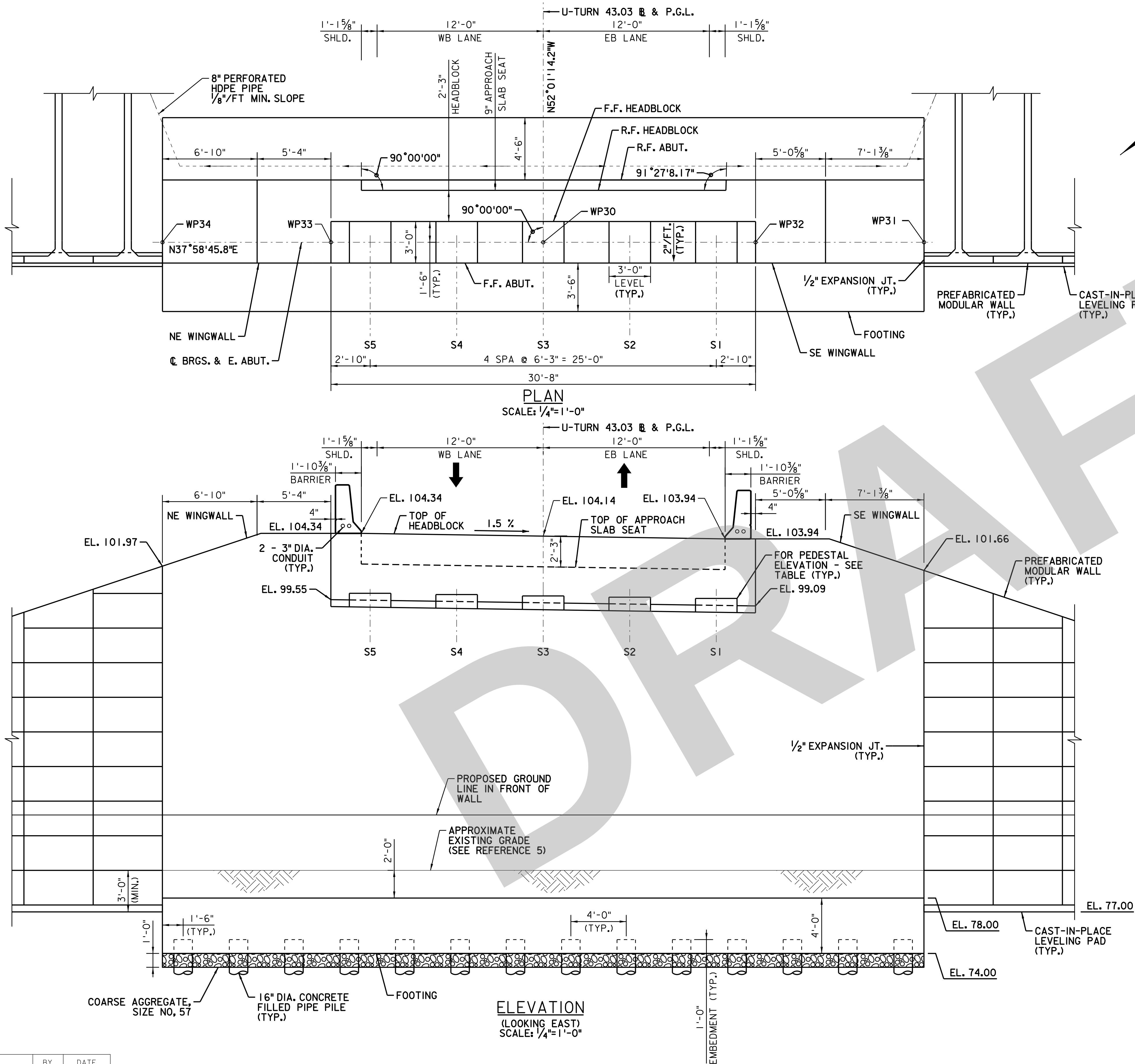
DATE: JUNE 2025

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NAME: Julius Slied
DATE & TIME: 19-DEC-2024 14:35
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	BY	DATE
MADE:	NTE	12/24
TRACED:	RJG	12/24
CHECKED:	FB	12/24
SUPERVISED:	HI	



REFERENCE:

1. FOR TYPICAL ABUTMENT SECTION, SEE SHEET S-54.
2. FOR ABUTMENT RETAINING WALL PLANS AND ELEVATIONS, SEE SHEETS S-50 THRU S-53.
3. FOR EAST ABUTMENT FOOTING AND PILE LAYOUT, SEE SHEET S-42.
4. FOR SHEAR KEY DETAILS, SEE CONSTRUCTION JOINT ON SHEET S-55.
5. FOR GRADING SECTIONS, SEE SHEETS DG-3 AND DG-4.
6. FOR DRAINAGE DETAILS, SEE SHEETS DG-3 AND DG-4.

PEDESTAL ELEV.	
LOCATION	ELEVATION
S1	99.59
S2	99.69
S3	99.78
S4	99.88
S5	99.97

MICHAEL BAKER INTERNATIONAL, INC.
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NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

EAST ABUTMENT PLAN AND ELEVATION
U-TURN AT MILEPOST 43.03

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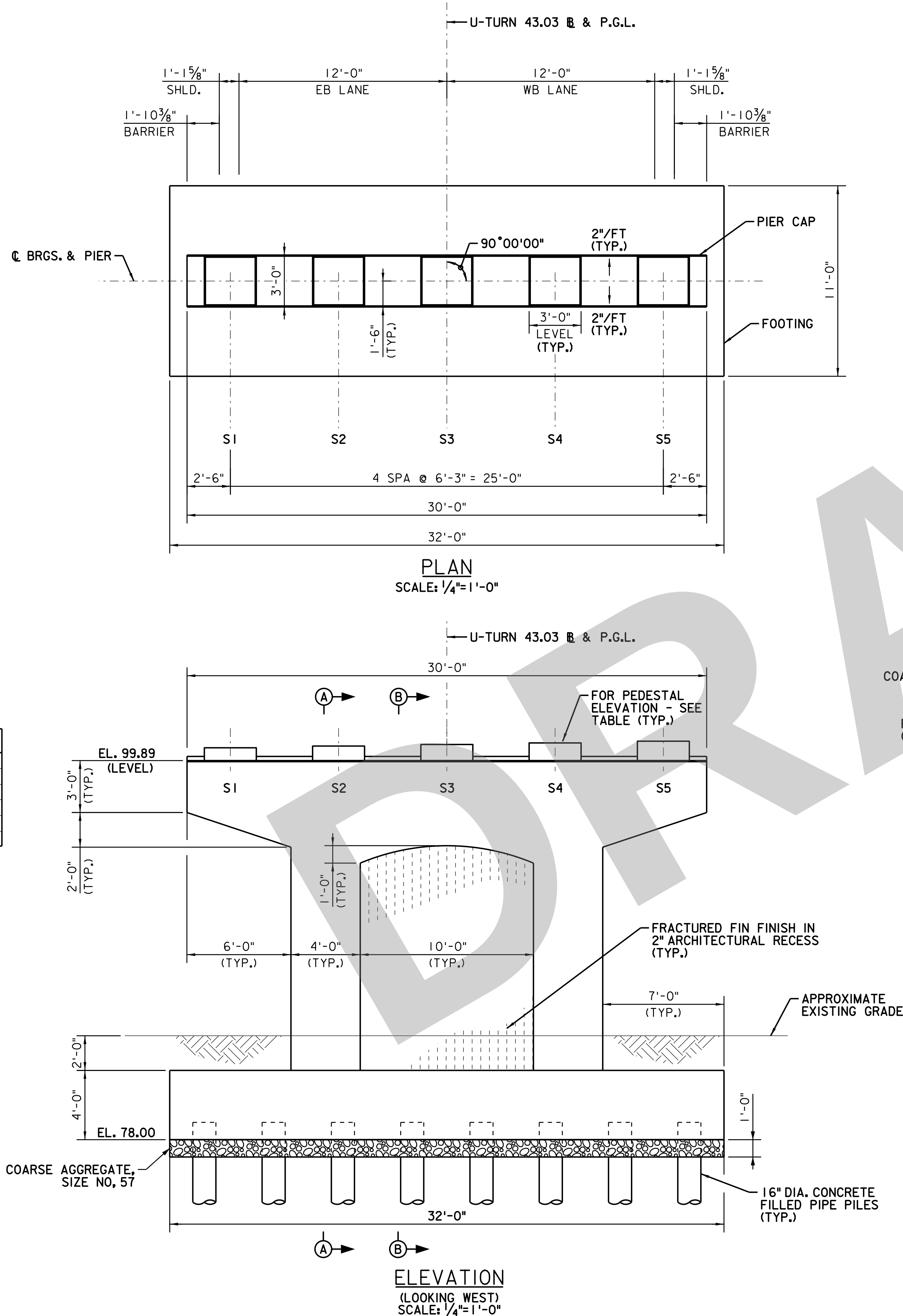
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NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

SCALE: AS NOTED
DATE: JUNE 2025

REV.	DESCRIPTION	DATE	BY	CHK.

NAME: Julius Slied
DATE & TIME: 19-DEC-2024 14:35
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PEDESTAL ELEV.	
LOCATION	ELEVATION
S1	100.63
S2	100.73
S3	100.82
S4	100.91
S5	101.01



- NOTES:**
- SEE NJTA STANDARD DRAWING MB-2 FOR BARRIER DETAILS.
 - MEDIAN BARRIER NOT SHOWN FOR CLARITY IN ELEVATION VIEW.
- REFERENCES:**
- FOR PIER FOOTING AND PILE LAYOUT, SEE SHEET S-44.
 - FOR PIER REINFORCEMENT DETAILS, SEE SHEET S-57.

REV.	DESCRIPTION	DATE	BY	CHK.

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

CONTRACT NO. T100.724

GRADE SEPARATED U-TURN STRUCTURES

AT MILEPOSTS 22.97, 43.03, AND 46.07

PIER PLAN, ELEVATION, AND SECTION

U-TURN AT MILEPOST 43.03

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BERLIN, NEW JERSEY

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NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03605600

FILE NAME: T100_724_PC_0202.sht