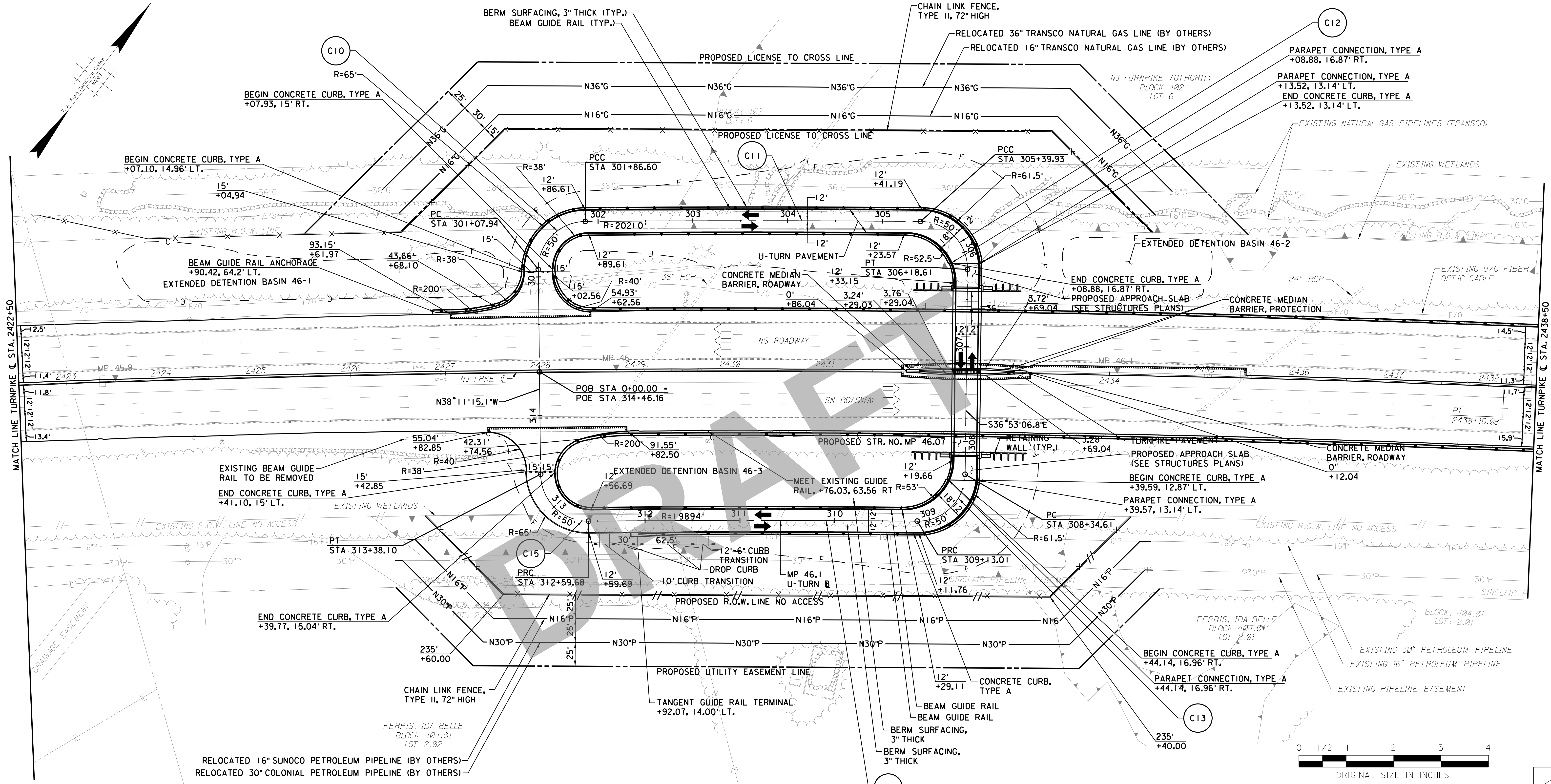


SPRINGFIELD TOWNSHIP

BURLINGTON COUNTY



GREENMAN-PEDERSEN, INC.
520 US HIGHWAY 22, SUITE 200, BRIDGEWATER, NEW JERSEY 08807
CERTIFICATE OF AUTHORIZATION #24GA27959500

JUDITH G. BOWEN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03468200

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

CONSTRUCTION PLAN
U-TURN AT MILE POST 46.07

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600

SCALE: 1"=50'

THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

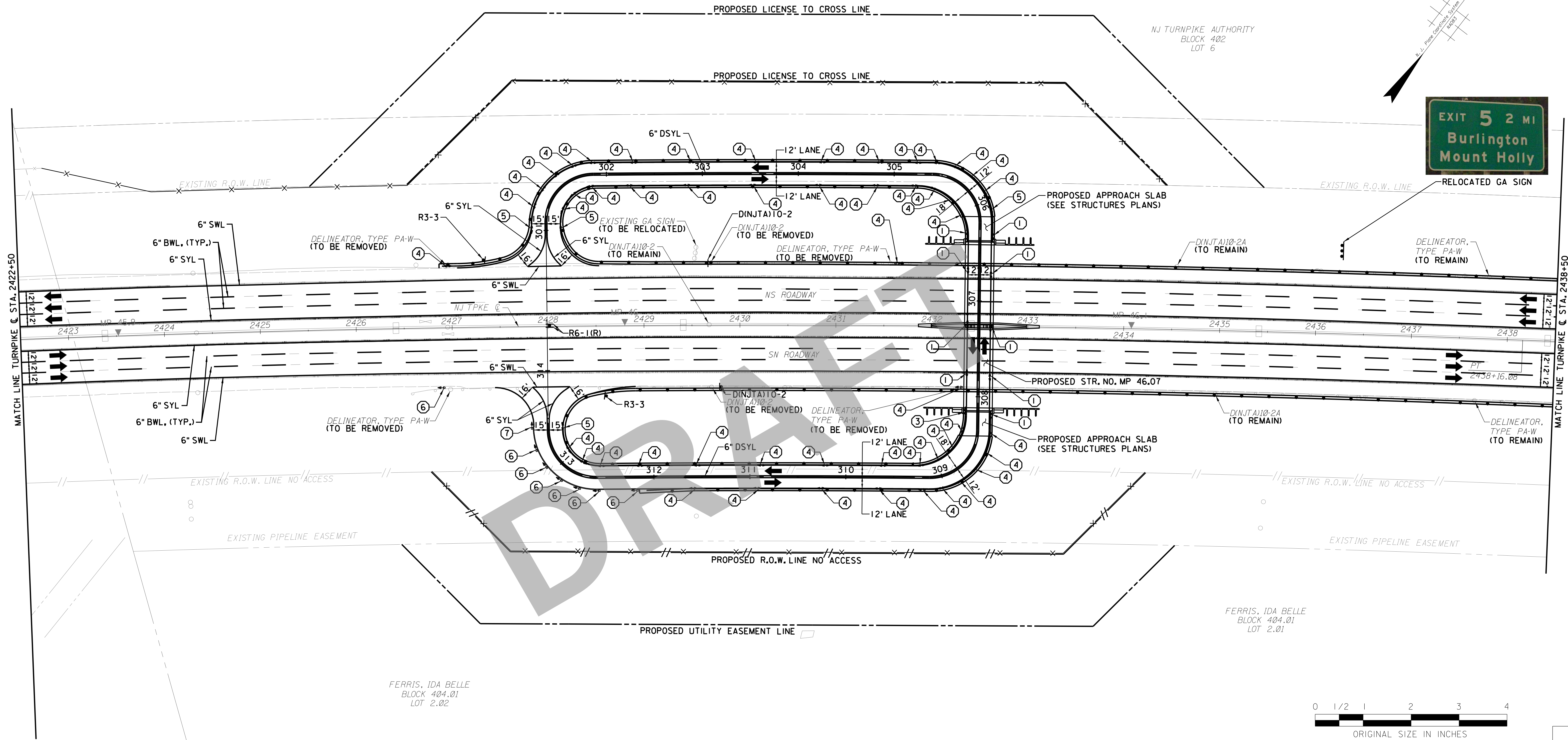
DATE: JUNE 2025

FILENAME: C-08.SHT

	BY	DATE
MADE:	CJW	12/2024
TRACED:	CJW	12/2024
CHECKED:	RB	12/2024
SUPERVISED:	J. BOWEN	

REV.	DESCRIPTION	DATE	BY	CHK.

PLOT BY: cwysowoty
PLOT DATE: 5/29/2025 8:29:28 AM
CADD FILE: R:\2023\NJ\230066400 GRADE U-TURN STRU AT MP 19.0, 29.5, 46.1\CAADD\PLANS\09 - CONST\MP 46.07 C-08.SHT



PAVEMENT MARKING LEGEND

BWL	BROKEN WHITE LINE
SWL	SOLID WHITE LINE
SYL	SOLID YELLOW LINE
DSYL	DOUBLE SOLID YELLOW LINE
—	PROPOSED TRAFFIC MARKINGS
	PROPOSED RUMBLE STRIP
➔	PROPOSED TRAFFIC DIRECTION
⊙	EXISTING GROUND MOUNTED SIGN
⊙	PROPOSED GROUND MOUNTED SIGN
○	EXISTING DELINEATOR (WHERE CALLED OUT)
+	PROPOSED DELINEATOR (SEE DELINEATOR LEGEND)

DELINEATOR LEGEND

①	DELINEATOR, TYPE CA-R
②	DELINEATOR, TYPE CA-W
③	DELINEATOR, TYPE CA-Y
④	DELINEATOR, TYPE GA-W
⑤	DELINEATOR, TYPE GA-Y
⑥	DELINEATOR, TYPE PA-W
⑦	DELINEATOR, TYPE PA-Y

GREENMAN-PEDERSEN, INC.
520 US HIGHWAY 22, SUITE 200, BRIDGEWATER, NEW JERSEY 08807
CERTIFICATE OF AUTHORIZATION #24GA27959500

JUDITH G. BOWEN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03468200

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
U-TURN AT MILE POST 46.07

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600
THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

SCALE: 1"=50'
DATE: JUNE 2025

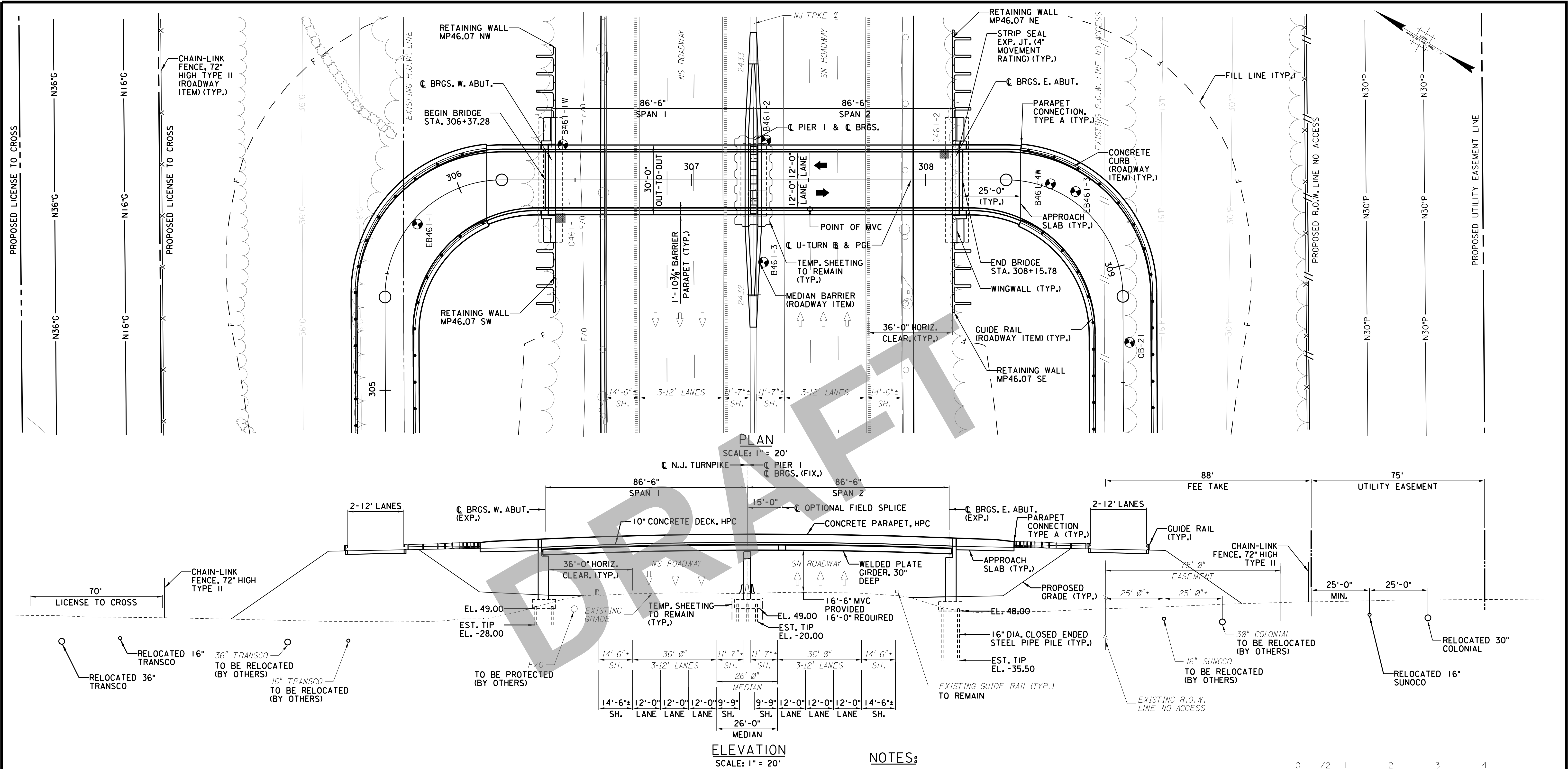
REV.	DESCRIPTION	DATE	BY	CHK.

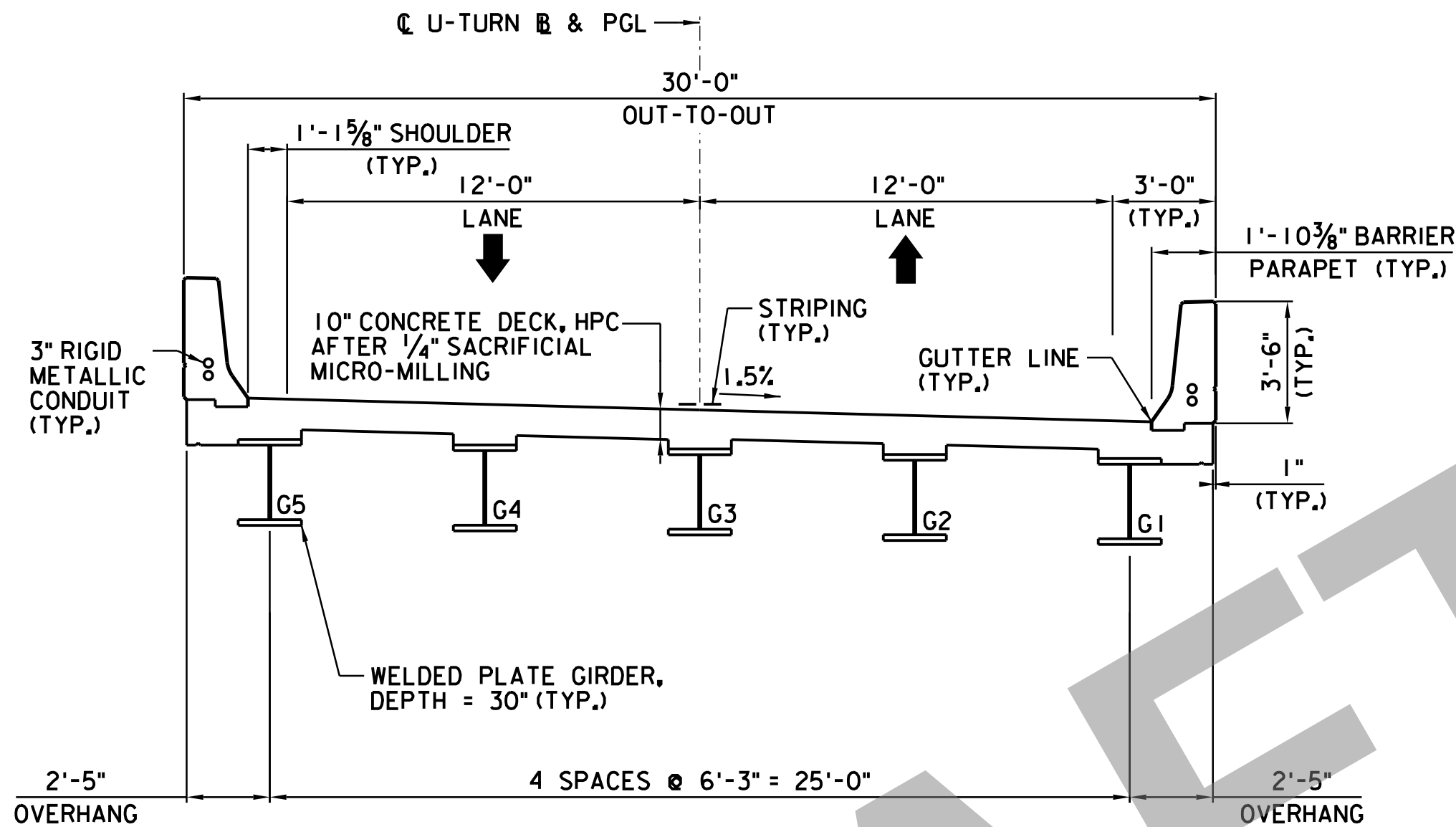
FILENAME: SS-08.SHT

PLOT BY: cwysowaty
PLOT DATE: 5/29/2025 8:30:11 AM
CADD FILE: R:\2023\NJUK-230066400 GRADE U-TURN STRU AT MP 19.0,29.5,46.1\CADD\PLANS\16 - SIGNING-STRIPING.MP 46.07 SS-08.SHT

PLOT BY: AndreoGrunau
PLOT DATE: 5/28/2025 3:02:45 PM
CADD FILE: P:\Project Files\231020-NJTA-U-Turn Bridges\Cadd\Drawings\46.1\T100723_FD_GPE_MP46.1.DGN

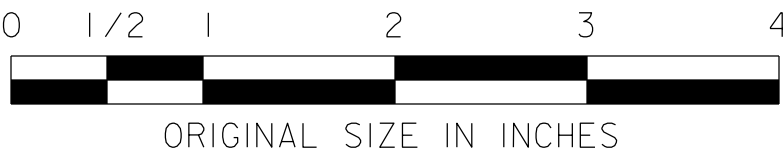
	BY	DATE
MADE:	AFG	2/2024
TRACED:	AFG	2/2024
CHECKED:	WC	2/2024
SUPERVISED:	T. KYLE	





TYPICAL SECTION
(LOOKING UPSTATION)
SCALE: 1/4" = 1'-0"

- NOTES:
- THE 1/4" SACRIFICIAL THICKNESS FOR MICRO-MILLING ATOP THE PROPOSED DECK IS NOT SHOWN FOR CLARITY.
- REFERENCES:
- FOR GENERAL NOTES, SEE SHEET S-3.
 - FOR GENERAL PLAN AND ELEVATION, SEE SHEET S2-1.



S2-2
S2-18

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

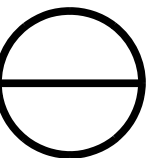
STRUCTURE NO. MP 46.07
TYPICAL SECTION

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600

SCALE: AS NOTED

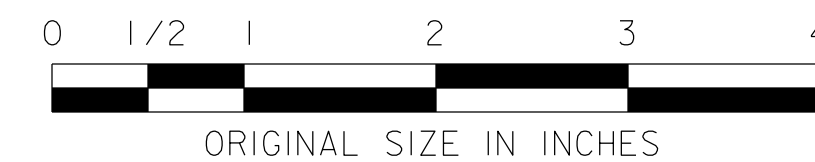
THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

DATE: JUNE 2025



	BY	DATE
MADE:	AFG	2/2024
TRACED:	AFG	2/2024
CHECKED:	WC	2/2024
SUPERVISED:	T. KYLE	

REV.	DESCRIPTION	DATE	BY	CHK.



1. FOR COMPLETE ROADWAY PROFILE, SEE SHEET P-1.

	BY	DATE
MADE:	AFG	8/2024
TRACED:	AFG	8/2024
CHECKED:	WC	8/2024
SUPERVISED:	T. KYLE	

REV.	DESCRIPTION	DATE	BY	CHK.

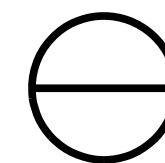
NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
 CONTRACT NO. T100.724
 GRADE SEPARATED U-TURN STRUCTURES
 AT MILEPOSTS 22.97, 43.03, AND 46.07

STRUCTURE NO. MP 46.07
PROFILE

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600

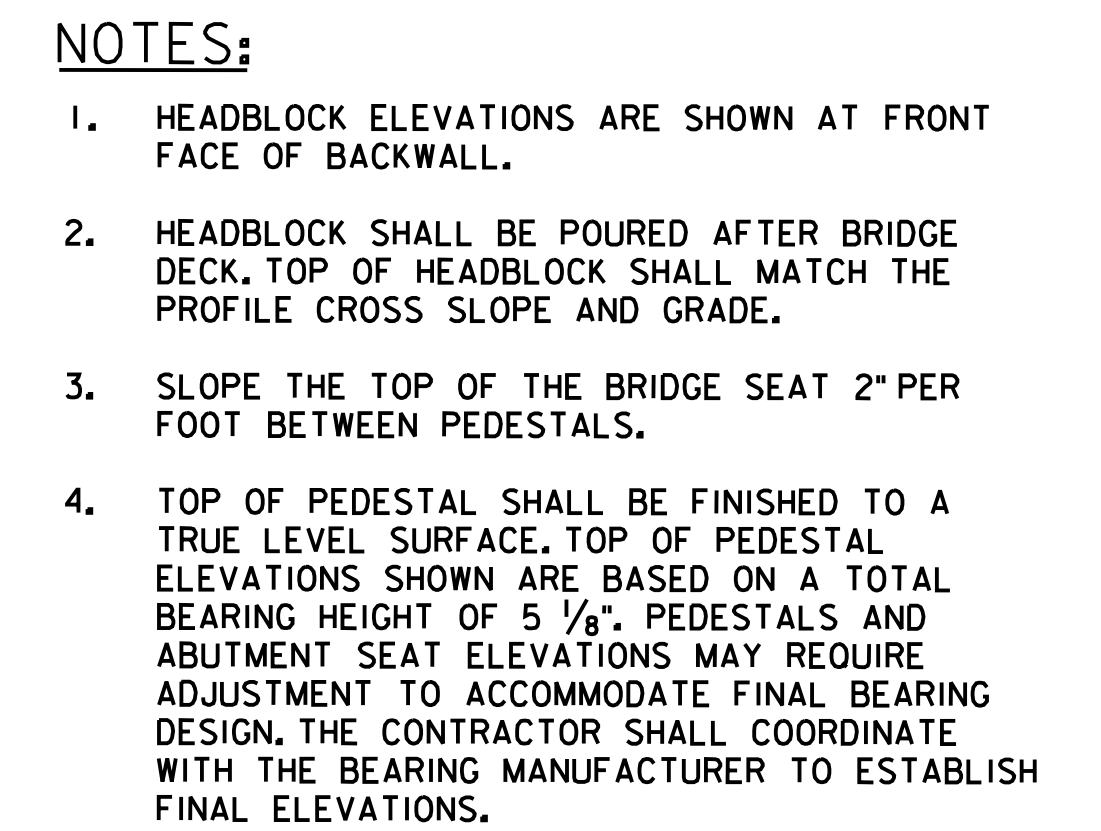
THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

SCALE: 1"=50' H - 1"=5' V
DATE: JUNE 2025



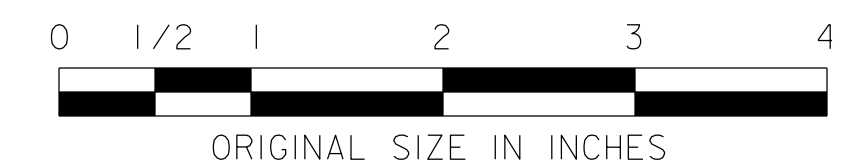
FILENAME: T100723_FD_PROFILE_MP46.1.dgr

PLOT BY: **AndreDrunau**
PLOT DATE: **5/28/2025 3:02:51 PM**
CADD FILE: **P:\Project Files\231020-NUTA-U-Turn Bridges\Cadd\Drawings\46,1\T100723.FD.PROFILE.MP46,1.dgn**



1. FOR SECTION A-A AND B-B, SEE SHEET S2-10.
2. FOR FOOTING AND PILE LAYOUT, SEE SHEET S2-4.
3. FOR RETAINING WALLS MP 46.07 SE AND NE, SEE SHEET RW-9.

PEDESTAL ELEV.	
GIRDER	ELEVATION
G1	71.33
G2	71.43
G3	71.52
G4	71.62
G5	71.71



2-7
S2-18

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. MP 46.07
EAST ABUTMENT

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600

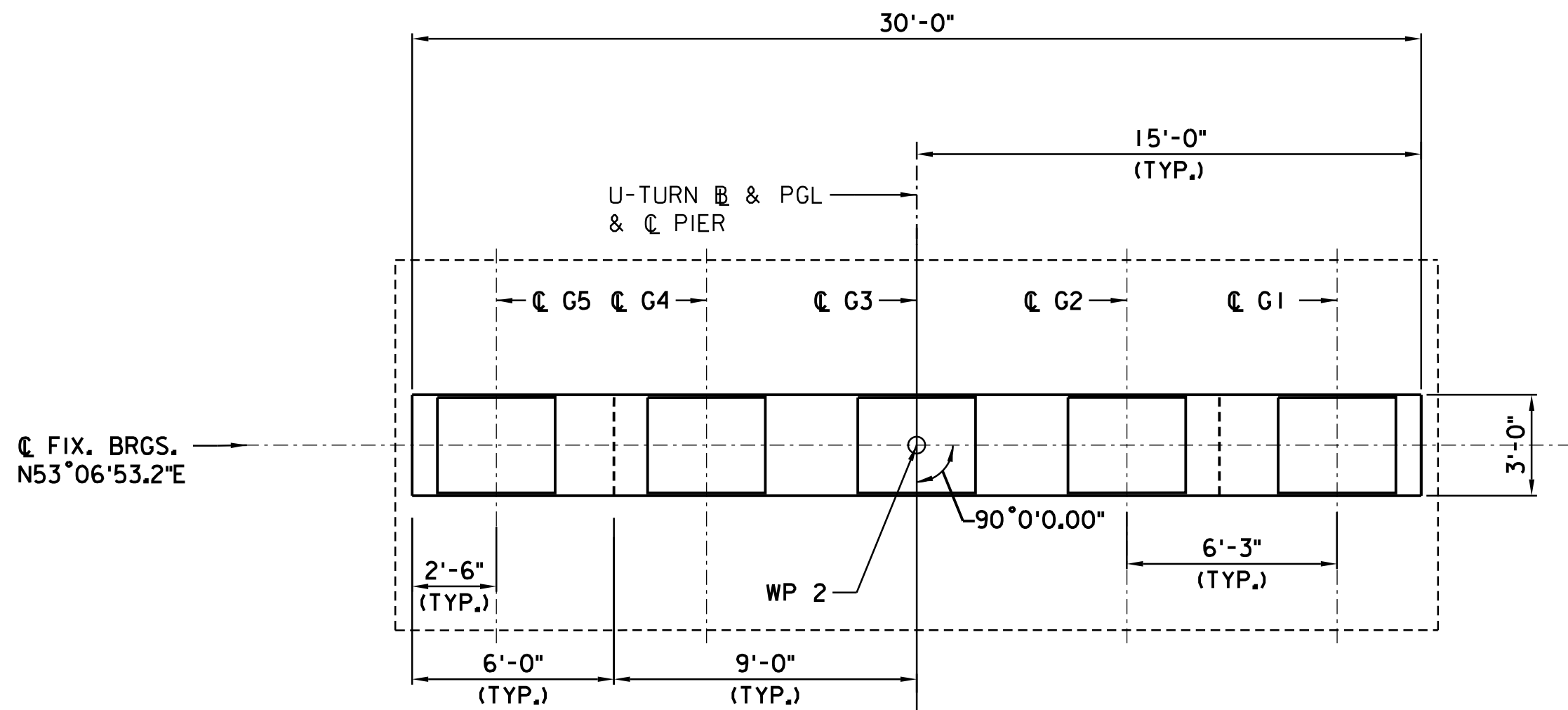
THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

SCALE: 1/4" = 1'-0"

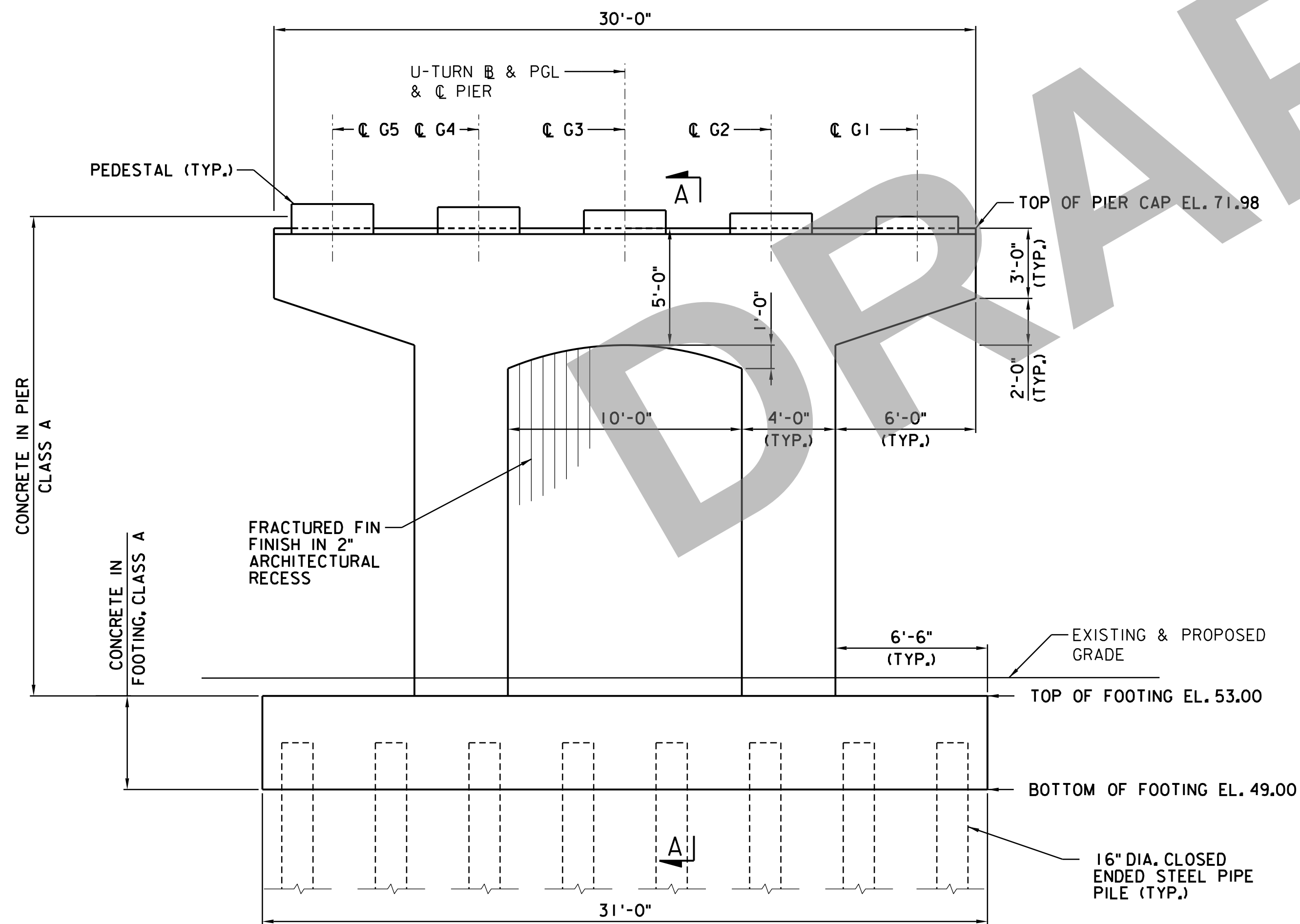
DATE: JUNE 2025

	BY	DATE
MADE:	AFG	4/2024
TRACED:	AFG	4/2024
CHECKED:	WC	5/2024
SUPERVISED:	T. KYLE	

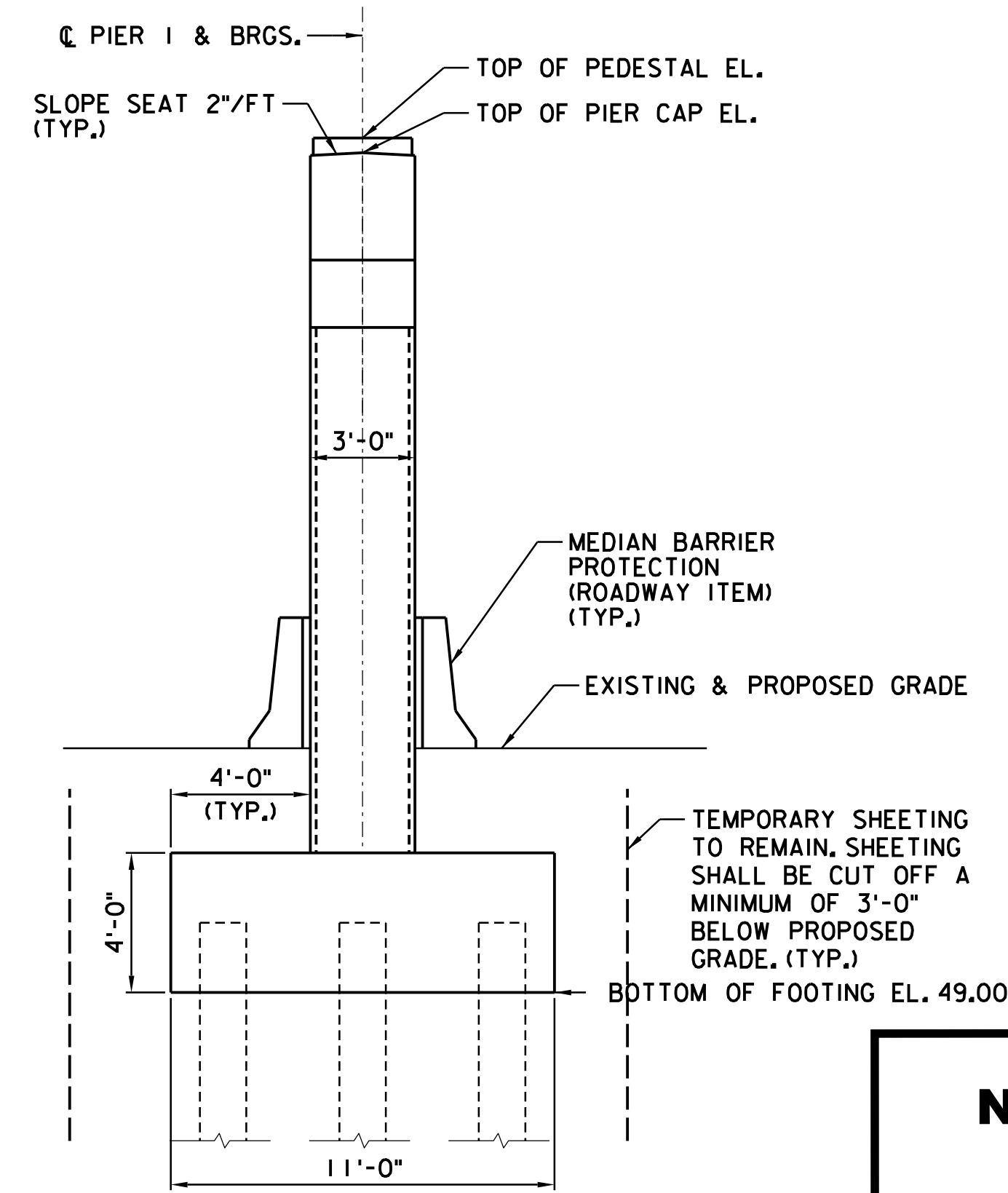
REV.	DESCRIPTION	DATE	BY	CHK



PLAN
1/4" = 1'-0"



PLAN
1/4" = 1'-0"



SECTION A-A
1/4" = 1'-0"

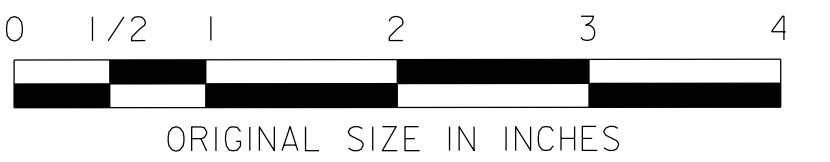
NOTES

1. TOP OF PEDESTAL SHALL BE FINISHED TO A TRUE LEVEL SURFACE. TOP OF PEDESTAL ELEVATIONS SHOWN ARE BASED ON A TOTAL BEARING HEIGHT OF 5 1/8". PEDESTAL AND PIER SEAT ELEVATIONS MAY REQUIRE ADJUSTMENT TO ACCOMMODATE FINAL BEARING DESIGN. THE CONTRACTOR SHALL COORDINATE WITH THE BEARING MANUFACTURER TO ESTABLISH FINAL ELEVATIONS.

REFERENCES:

1. FOR FOOTING PLAN AND PILE LAYOUT, SEE SHEET S2-5.
2. FOR PIER REINFORCEMENT DETAILS, SEE SHEET S2-12.
3. FOR DETAILS OF CONCRETE MEDIAN BARRIER PROTECTION, SEE ROADWAY PLANS AND NJTA STD DWG. NO. MB-2.

PEDESTAL ELEV.	
GIRDER	ELEVATION
G1	72.48
G2	72.58
G3	72.67
G4	72.76
G5	72.86

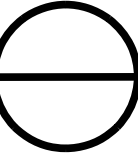


NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.724
GRADE SEPARATED U-TURN STRUCTURES
AT MILEPOSTS 22.97, 43.03, AND 46.07

STRUCTURE NO. MP 46.07
PIER PLAN AND ELEVATION

PKB ENGINEERING
ONE HARMON PLAZA, SUITE 300, SECAUCUS, NJ 07094
CERTIFICATE OF AUTHORIZATION NO. 24GA28186600
THOMAS J. KYLE III, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE04227400

SCALE: 1/4" = 1'-0"
DATE: JUNE 2025



REV.	DESCRIPTION	DATE	BY	CHK.

FILENAME: T100723_FD_PIER_MP46.1.dgn

PLOT BY: AndreOrrundu
PLOT DATE: 5/28/2025 3:02:57 PM
CADD FILE: P:\Project Files\231020-NJTA-U-Turn Bridges\Cadd\Drawings\46.1\T100723_FD_PIER_MP46.1.dgn

	BY	DATE
MADE:	AFG	4/2024
TRACED:	AFG	4/2024
CHECKED:	WC	5/2024
SUPERVISED:	T. KYLE	