

LIST OF VOLUMES

- VOLUME 1 - BRIDGE GROUP 08 - I-295 WAR, WST HIGHWAY DRAWINGS
- VOLUME 2 - BRIDGE GROUP 08 - I-295 WAR, WST REHABILITATION OF BRIDGE NOS. 072101 & 072121
- ~~VOLUME 3 - BRIDGE GROUP 08 - I-295 WAR, WST - REPLACEMENT OF BRIDGE NOS. 072251 & 072271~~
- ~~VOLUME 4 - BRIDGE GROUP 08 - I-295 WAR, WST - REPLACEMENT OF BRIDGE NOS. 072551 & 072571~~

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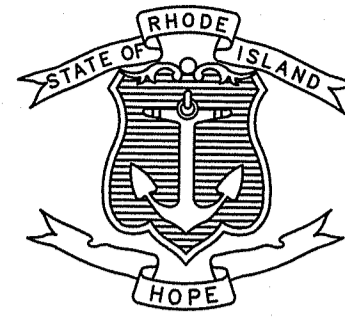
VOLUME 1

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4	STANDARD NOTES - 2
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STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED
STATE HIGHWAY
BRIDGE GROUP 08 - I-295 WAR, WST
HIGHWAY DRAWINGS

I-295 FROM PAWTUXET RIVER TO PROVIDENCE STREET

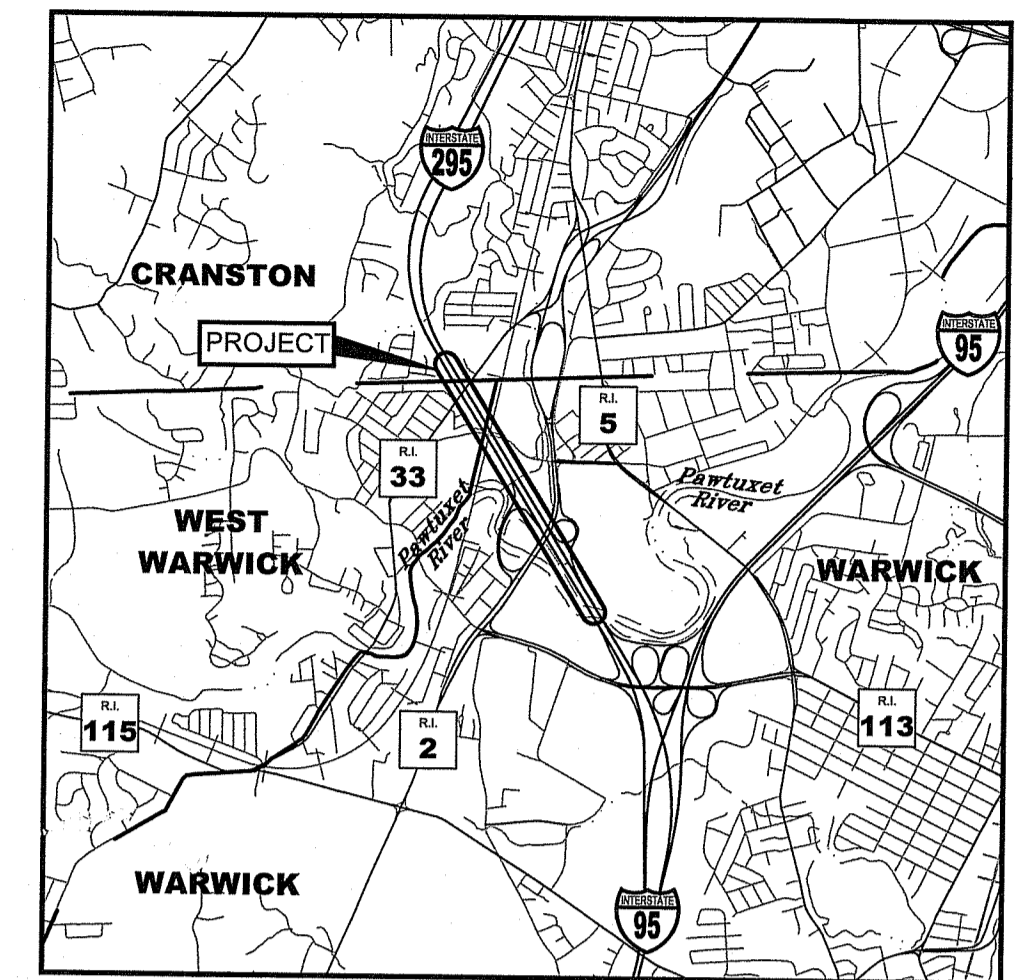
CITIES OF WARWICK & WEST WARWICK
COUNTY OF KENT

R.I. CONTRACT NO. F.A. PROJECT NO.

PAVEMENT STRUCTURE

1.5" FRICTION COURSE
1.5" MODIFIED CLASS 9.5 HMA
10.5" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE COURSE
0.91 MILES

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-XX-XXX	2024	1	XX



LOCATION MAP
SCALE: 1"=3600'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 10 2024 FILE #: 24-0223
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman

I-295 DESIGN DESIGNATION

2028 AADT	50,400 V.P.D.
2048 AADT	53,000 V.P.D.
D	56% NB
K	8.3%
T	5.0%
2028 DHV	4,180 V.P.H.
2048 DHV	4,400 V.P.H.

BALD HILL ROAD DESIGN DESIGNATION

2028 AADT	26,300 V.P.D.
2048 AADT	27,400 V.P.D.
D	52% SB
K	8.6%
T	5.0%
2028 DHV	2,260 V.P.H.
2048 DHV	2,350 V.P.H.

WEST NATICK ROAD DESIGN DESIGNATION

2028 AADT	3,600 V.P.D.
2048 AADT	3,700 V.P.D.
D	52% WB
K	11.0%
T	4.5%
2028 DHV	400 V.P.H.
2048 DHV	410 V.P.H.

HURRICANE EVACUATION ROUTE

This project includes work on a designated Hurricane Evacuation and Diversionary Route as follows:
- I-295
- Bald Hill Road (Route 2)
Refer to General Note 18 on Sheet 3

RIDEM APPLICATION SUBMISSION SEPTEMBER 2024

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED _____ DATE _____

ADMINISTRATOR, PROJECT MANAGEMENT

APPROVED _____ DATE _____

CHIEF ENGINEER OF INFRASTRUCTURE

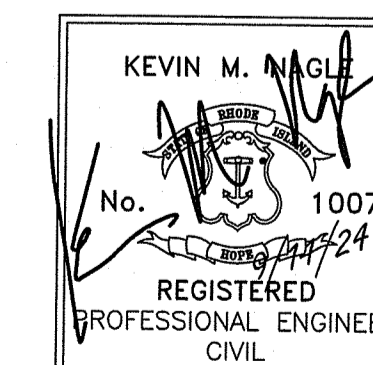
APPROVED _____ DATE _____

DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

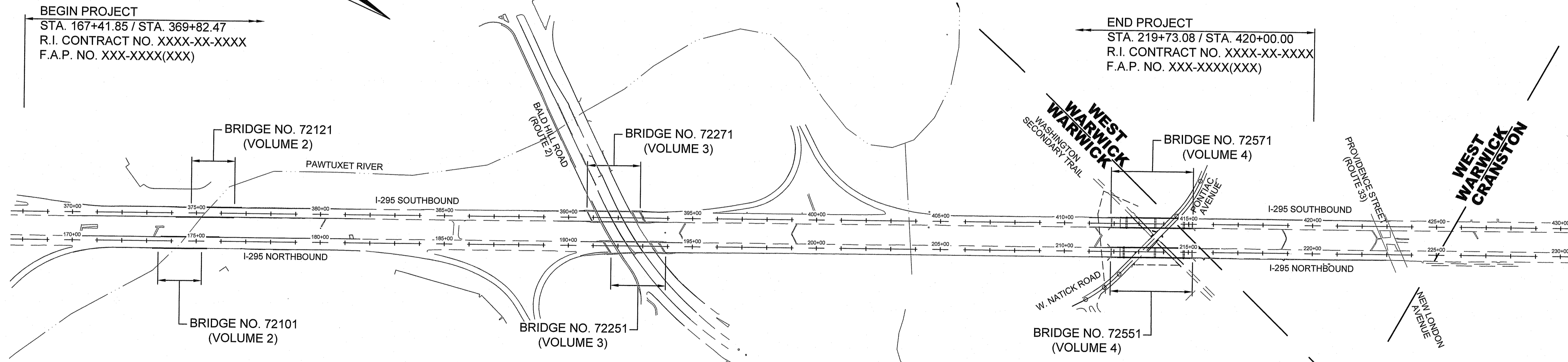
APPROVED _____ DATE _____

DIVISION ADMINISTRATOR



RI Environmental Management
SEP 19 2024
Office of Water Resources

Contract Number _____
Number of Sheet 1
Total Sheets XX



LAYOUT PLAN
SCALE

SCALES OF DRAWINGS
Plans 1 inch = 20 feet

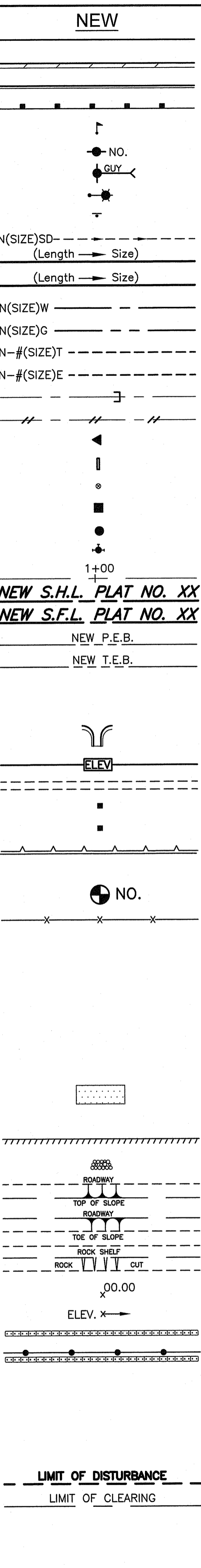
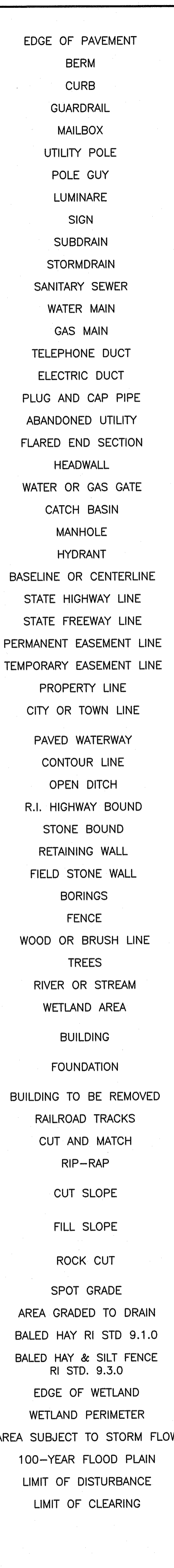
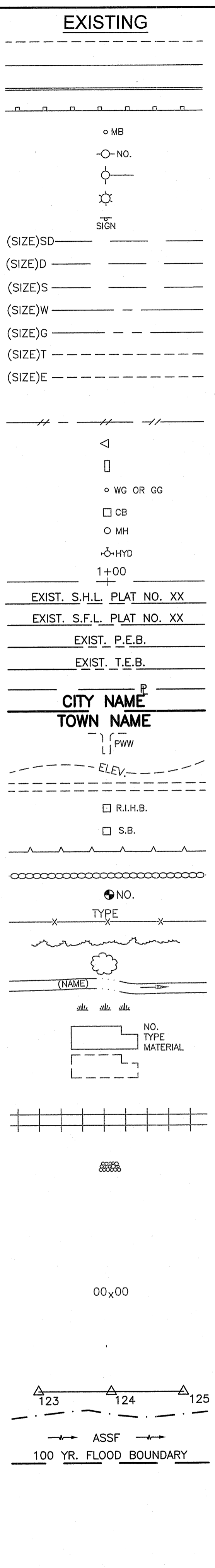
R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FEBRUARY 2024, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



BASE OF LEVELS
NAVD 88
NAD 83 (2011) (EPOCH 2010.00)





1.1.0	UNDERDRAIN	7.5.1	BITUMINOUS BERM	43.5.0	CEMENT CONCRETE DRIVEWAYS
1.3.0	CONCRETE CONNECTING COLLAR	7.6.0	CURB SETTING DETAIL	48.1.0	DETECTABLE WARNING SYSTEM
2.1.0	CONCRETE HEADWALLS FOR PIPE CULVERTS	8.2.0	BITUMINOUS CONCRETE DITCH	51.1.0	TREE PROTECTION DEVICE
2.2.0	STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS	8.3.0	RIP-RAP DITCH	51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
2.3.0 (DIA.)	PRECAST CONCRETE FLARED END SECTION	8.4.0	PAVED WATERWAY	51.2.0	SHRUB PROTECTION DEVICE
3.2.0	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE	9.3.0	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED	51.3.0	TREE WELL
3.2.1 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE	9.4.0	BALED HAY DITCH AND SWALE EROSION CHECK	51.4.0	TREE WALL
3.3.0	BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN	9.5.0	LOG AND HAY CHECK DAM	AB	ADJUST CATCH BASIN TO GRADE
3.3.2	BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN	9.7.0	DEWATERING BASIN	ABM	ADJUST CATCH BASIN TO MANHOLE
3.3.3	SOLID BLOCK FLUSH SQUARE CATCH BASIN	9.8.0	BALED HAY CATCH BASIN INLET PROTECTION	AC	ADJUST CURB STOP TO GRADE
3.4.0	BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN	9.9.0	CONSTRUCTION ACCESS	AD	ADJUST DRAINAGE MANHOLE TO GRADE
3.4.1	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET	10.1.0	WET STONE MASONRY RETAINING WALL	AE	ADJUST ELECTRIC MANHOLE TO GRADE
3.4.2	BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN	10.2.0	RUBBLE MASONRY WALL	AFC	ADJUST FRAME AND COVER TO GRADE
3.4.3	BRICK/SOLID BLOCK TYPE "R" CATCH BASIN	10.3.0	CONCRETE RETAINING WALL	AFG	ADJUST FRAME AND GRATE TO GRADE
3.4.4	SOLID BLOCK FLUSH ROUND CATCH BASIN	10.4.0	STONE MASONRY STEPS	AG	ADJUST GAS GATE BOX TO GRADE
3.4.5 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN	14.1.0	CONCRETE HIGHWAY BOUND	AHH	ADJUST HANDHOLE TO GRADE
3.5.0	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN	15.1.0	POST AND MOUNTINGS FOR RURAL MAILBOX	AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
3.5.1 (SIZE)	SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN	15.2.0 (NO.)	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES	AT	ADJUST TELEPHONE MANHOLE TO GRADE
3.6.0	BRICK/SOLID BLOCK DROP INLET	18.2.0	PRECAST TYPE "A" HANDHOLE	AW	ADJUST WATER GATE BOX TO GRADE
3.7.0 (DIA.)	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"	18.2.2	HEAVY DUTY TYPE "H" HANDHOLE	BCD	BITUMINOUS CONCRETE DRIVEWAY
4.2.0	PRECAST 4'-0" ROUND MANHOLE	18.3.0	ALUMINUM LIGHTING STANDARDS	BPS	3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
4.2.1	PRECAST 5'-0" ROUND MANHOLE	20.2.0	BI-DIRECTIONAL CONTROL DEVICE	CCB	BUILD NEW STRUCTURE OVER EXISTING PIPE
4.2.2	PRECAST 6'-0" ROUND MANHOLE	24.6.1	STREET SIGN MOUNTING DETAIL	CCP	CLEAN CATCH BASIN
4.3.0 (SIZE)	PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN	26.2.0	POLYETHYLENE DRUM WITH MARKINGS	CCF	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
4.4.0 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN	26.3.0	PVC PLASTIC PIPE TYPE III BARRICADE	CFP	CLEAN AND FLUSH PIPE
4.5.0	PRECAST CONCRETE DROP INLET	31.1.0	CHAIN LINK FENCE 3'-0" TO 4'-0"	CG	CLEARING AND GRUBBING
4.5.1	PRECAST CONCRETE DROP INLET LATERAL OUTLET	31.2.0	CHAIN LINK FENCE 5'-0" TO 6'-0"	CMH	CLEAN MANHOLE
4.5.2	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET	31.2.1	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST	CP (DEPTH)	COLD PLANE
5.3.0	CATCH BASIN AND MANHOLE STEP	31.3.0	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)	CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
5.4.0	CONCRETE COLLARS	34.1.0	ROADSIDE GUARDRAIL (GENERAL NOTES, INSTALLATION, POST & OFFSET BLOCK DETAILS)	DB	REMOVE AND DISPOSE BITUMINOUS CURB
6.1.0	LIGHT-DUTY SQUARE FRAME AND ROUND COVER	34.1.1	TYPICAL GUARDRAIL INSTALLATION AT STRUCTURES	DC	REMOVE AND DISPOSE CONCRETE CURB
6.1.1	HEAVY DUTY SQUARE FRAME AND ROUND COVER	34.1.2	STEEL BEAM GUARDRAIL ENCASED POST FOR SHALLOW INSTALLATION	DCB	REMOVE AND DISPOSE CATCH BASIN
6.2.0	LIGHT-DUTY ROUND FRAME AND COVER	34.1.3	STEEL BEAM GUARDRAIL DEEP POST INSTALLATION	DDI	REMOVE AND DISPOSE DROP INLET
6.2.1	HEAVY-DUTY ROUND FRAME AND COVER	34.1.4	STEEL BEAM GUARDRAIL INSTALLED IN CONCRETE OR HMA SURFACE	DF	REMOVE AND DISPOSE FENCE
6.3.0	SQUARE FRAME AND GRATE	34.2.0	STEEL BEAM GUARDRAIL, TL-3	DFC	REMOVE AND DISPOSE FRAME AND COVER
6.3.1	SQUARE FRAME AND GRATE	34.2.1	STEEL BEAM GUARDRAIL, TL-2	DFE	REMOVE AND DISPOSE FLARED END SECTION
6.3.2	SQUARE FRAME AND GRATE (BICYCLE SAFE)	34.2.2	STEEL BEAM GUARDRAIL DOUBLE FACE ASSEMBLY	DFG	REMOVE AND DISPOSE FRAME AND GRATE
6.3.3	HIGH CAPACITY FRAME AND GRATE	34.2.5	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR	DFH	REMOVE AND DISPOSE FIRE HYDRANT
6.3.4	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)	34.3.0	STEEL BEAM GUARDRAIL APPROACH END TREATMENT	DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
6.4.0	ROUND FRAME AND GRATE	34.3.1	STEEL BEAM GUARDRAIL TERMINAL END SECTION	DG	REMOVE AND DISPOSE GUARDRAIL
7.1.0S	PRECAST CONCRETE CURB (STRAIGHT)	34.3.2	STEEL BEAM GUARDRAIL ANCHORAGE TRAILING END SECTION	DH	REMOVE AND DISPOSE HEADWALL
7.1.0C	PRECAST CONCRETE CURB (CIRCULAR)	34.3.3	STEEL BEAM GUARDRAIL THRIE BEAM TRANSITION PANEL	DHB	REMOVE AND DISPOSE HIGHWAY BOUND
7.1.1	3'-0" PRECAST CONCRETE TRANSITION CURB	34.3.4	STEEL BEAM GUARDRAIL CONNECTION TO NEW END POST	DHH	REMOVE AND DISPOSE HANDHOLE
7.1.2	6'-0" PRECAST CONCRETE TRANSITION CURB	34.3.5	GUARDRAIL CONNECTION TO EXISTING END POST APPROACH END SECTION	DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
7.1.4	PRECAST 2'-0" RADIUS CORNER	34.3.6	GUARDRAIL CONNECTION TO EXISTING END POST TRAILING END SECTION	DMB	REMOVE AND DISPOSE MEDIAN BARRIER
7.1.5	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)	34.3.7	STEEL BEAM GUARDRAIL TRANSITION TO RIGID BARRIER	DMH	REMOVE AND DISPOSE MANHOLE
7.1.6	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)	34.3.8	MASH GUARDRAIL TRANSITION TO EXISTING GUARDRAIL	DMM	REMOVE AND DISPOSE MEDIAN MARKER
7.1.7	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)	34.3.9	STEEL BEAM GUARDRAIL LONG SPAN, TL-3	DOW	REMOVE AND DISPOSE OBSERVATION WELL
7.1.8	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)	34.5.3	STEEL THRIE BEAM GUARDRAIL SINGLE FACE	DP	REMOVE AND DISPOSE PIPE
7.2.0S	PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)	34.5.4	STEEL THRIE BEAM GUARDRAIL DOUBLE FACE	DPB	REMOVE AND DISPOSE PAVED WATERWAY
7.2.0C	PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)	34.5.5	STEEL THRIE BEAM GUARDRAIL LONG SPAN	DRB	REMOVE AND DISPOSE RIGID BASE
7.2.1	PRECAST CONCRETE SLOPED FACE TRANSITION CURB	40.1.0	F SHAPE CONCRETE BARRIER DOUBLE FACE	DS	REMOVE AND DISPOSE SIGN
7.2.2	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)	40.2.0	F SHAPE CONCRETE BARRIER SINGLE FACE	DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
7.3.0S	GRANITE CURB (STRAIGHT)	40.2.1	F SHAPE CONCRETE BARRIER WITH CONCRETE SEPARATOR	DSW	REMOVE AND DISPOSE SIDEWALK
7.3.0C	GRANITE CURB (CIRCULAR)	40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT	DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
7.3.2	6'-0" GRANITE TRANSITION CURB	40.4.0	PRECAST MEDIAN BARRIER FOR LIGHT STANDARD	DUP	REMOVE AND DISPOSE UTILITY POLE
7.3.3	GRANITE WHEELCHAIR RAMP TRANSITION CURB	40.5.0	BARRIER MOUNTED DELINEATOR	DWW	REMOVE AND DISPOSE PAVED WATERWAY
7.3.4	GRANITE 2'-0" RADIUS CORNER	40.2.1	SINGLE-FACED PRECAST MEDIAN BARRIER	FF	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
7.3.5	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)	40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT	GET	FLARED GUARDRAIL END TREATMENT
7.3.6	GRANITE INLET STONE (FOR ROUND CATCH BASIN)	40.5.0	BARRIER MOUNTED DELINEATOR	IA	IMPACT ATTENUATOR
7.3.7	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)	43.1.0	CEMENT CONCRETE SIDEWALK	IDL	IMPERVIOUS DITCH LINER
7.3.8	GRANITE APRON STONE (FOR ROUND CATCH BASIN)	43.2.0	BITUMINOUS CONCRETE SIDEWALK	LOD	LIMIT OF DISTURBANCE
7.4.0	GRANITE SLOPED FACE CURB	43.3.0	WHEELCHAIR RAMP	LOR	LIMIT OF REGRADING
7.4.1	GRANITE SLOPED FACE TRANSITION CURB	43.3.1	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS	LS	4" LOAM AND SEED
7.4.2	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)	43.4.0	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB	NFH	NEW FIRE HYDRANT WITH GATE VALVE
7.5.0	BITUMINOUS CONCRETE LIP CURB	43.4.1	DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB		

43.5.0	CEMENT CONCRETE DRIVEWAYS
48.1.0	DETECTABLE WARNING SYSTEM
51.1.0	TREE PROTECTION DEVICE
51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
51.2.0	SHRUB PROTECTION DEVICE
51.3.0	TREE WELL
51.4.0	TREE WALL
AB	ADJUST CATCH BASIN TO GRADE
ABM	ADJUST CATCH BASIN TO MANHOLE
AC	ADJUST CURB STOP TO GRADE
AD	ADJUST DRAINAGE MANHOLE TO GRADE
AE	ADJUST ELECTRIC MANHOLE TO GRADE
AFC	ADJUST FRAME AND COVER TO GRADE
AFG	ADJUST FRAME AND GRATE TO GRADE
AG	ADJUST GAS GATE BOX TO GRADE
AHH	ADJUST HANDHOLE TO GRADE
AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
AT	ADJUST TELEPHONE MANHOLE TO GRADE
AW	ADJUST WATER GATE BOX TO GRADE
BCD	BITUMINOUS CONCRETE DRIVEWAY
BPS	3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
CCB	BUILD NEW STRUCTURE OVER EXISTING PIPE
CCP	CLEAN CATCH BASIN
CCF	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
CFP	CLEAN AND FLUSH PIPE
CG	CLEARING AND GRUBBING
CMH	CLEAN MANHOLE
CP (DEPTH)	COLD PLANE
CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
DB	REMOVE AND DISPOSE BITUMINOUS CURB
DC	REMOVE AND DISPOSE CONCRETE CURB
DCB	REMOVE AND DISPOSE CATCH BASIN
DDI	REMOVE AND DISPOSE DROP INLET
DF	REMOVE AND DISPOSE FENCE
DFC	REMOVE AND DISPOSE FRAME AND COVER
DFE	REMOVE AND DISPOSE FLARED END SECTION
DFG	REMOVE AND DISPOSE FRAME AND GRATE
DFH	REMOVE AND DISPOSE FIRE HYDRANT
DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
DG	REMOVE AND DISPOSE GUARDRAIL
DH	REMOVE AND DISPOSE HEADWALL
DHB	REMOVE AND DISPOSE HIGHWAY BOUND
DHH	REMOVE AND DISPOSE HANDHOLE
DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
DMB	REMOVE AND DISPOSE MEDIAN BARRIER
DMH	REMOVE AND DISPOSE MANHOLE
DMM	REMOVE AND DISPOSE MEDIAN MARKER
DOW	REMOVE AND DISPOSE OBSERVATION WELL
DP	REMOVE AND DISPOSE PIPE
DPB	REMOVE AND DISPOSE PAVED WATERWAY
DRB	REMOVE AND DISPOSE RIGID BASE
DS	REMOVE AND DISPOSE SIGN
DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
DSW	REMOVE AND DISPOSE SIDEWALK
DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
DUP	REMOVE AND DISPOSE UTILITY POLE
DWW	REMOVE AND DISPOSE PAVED WATERWAY
FF	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
GET	FLARED GUARDRAIL END TREATMENT
IA	IMPACT ATTENUATOR
IDL	IMPERVIOUS DITCH LINER
LOD	LIMIT OF DISTURBANCE
LOR	LIMIT OF REGRADING
LS	4" LOAM AND SEED
NFH	NEW FIRE HYDRANT WITH GATE VALVE

43.5.0	CEMENT CONCRETE DRIVEWAYS
48.1.0	DETECTABLE WARNING SYSTEM
51.1.0	TREE PROTECTION DEVICE
51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
51.2.0	SHRUB PROTECTION DEVICE
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AHH	ADJUST HANDHOLE TO GRADE
AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
AT	ADJUST TELEPHONE MANHOLE TO GRADE
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BCD	BITUMINOUS CONCRETE DRIVEWAY
BPS	3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
CCB	BUILD NEW STRUCTURE OVER EXISTING PIPE
CCP	CLEAN CATCH BASIN
CCF	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
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CP (DEPTH)	COLD PLANE
CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
DB	REMOVE AND DISPOSE BITUMINOUS CURB
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DOW	REMOVE AND DISPOSE OBSERVATION WELL
DP	REMOVE AND DISPOSE PIPE
DPB	REMOVE AND DISPOSE PAVED WATERWAY
DRB	REMOVE AND DISPOSE RIGID BASE
DS	REMOVE AND DISPOSE SIGN
DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
DSW	REMOVE AND DISPOSE SIDEWALK
DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
DUP	REMOVE AND DISPOSE UTILITY POLE
DWW	REMOVE AND DISPOSE PAVED WATERWAY
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GET	FLARED GUARDRAIL END TREATMENT
IA	IMPACT ATTENUATOR
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LS	4" LOAM AND SEED
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48.1.0	DETECTABLE WARNING SYSTEM
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ABM	ADJUST CATCH BASIN TO MANHOLE
AC	ADJUST CURB STOP TO GRADE
AD	ADJUST DRAINAGE MANHOLE TO GRADE
AE	ADJUST ELECTRIC MANHOLE TO GRADE
AFC	ADJUST FRAME AND COVER TO GRADE
AFG	ADJUST FRAME AND GRATE TO GRADE
AG	ADJUST GAS GATE BOX TO GRADE
AHH	ADJUST HANDHOLE TO GRADE
AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
AT	ADJUST TELEPHONE MANHOLE TO GRADE
AW	ADJUST WATER GATE BOX TO GRADE
BCD	BITUMINOUS CONCRETE DRIVEWAY
BPS	3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
CCB	BUILD NEW STRUCTURE OVER EXISTING PIPE
CCP	CLEAN CATCH BASIN
CCF	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
CFP	CLEAN AND FLUSH PIPE
CG	CLEARING AND GRUBBING
CMH	CLEAN MANHOLE
CP (DEPTH)	COLD PLANE
CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
DB	REMOVE AND DISPOSE BITUMINOUS CURB
DC	REMOVE AND DISPOSE CONCRETE CURB
DCB	REMOVE AND DISPOSE CATCH BASIN
DDI	REMOVE AND DISPOSE DROP INLET
DF	REMOVE AND DISPOSE FENCE
DFC	REMOVE AND DISPOSE FRAME AND COVER
DFE	REMOVE AND DISPOSE FLARED END SECTION
DFG	REMOVE AND DISPOSE FRAME AND GRATE
DFH	REMOVE AND DISPOSE FIRE HYDRANT
DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
DG	REMOVE AND DISPOSE GUARDRAIL
DH	REMOVE AND DISPOSE HEADWALL
DHB	REMOVE AND DISPOSE HIGHWAY BOUND
DHH	REMOVE AND DISPOSE HANDHOLE
DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
DMB	REMOVE AND DISPOSE MEDIAN BARRIER
DMH	REMOVE AND DISPOSE MANHOLE
DMM	REMOVE AND DISPOSE MEDIAN MARKER
DOW	REMOVE AND DISPOSE OBSERVATION WELL
DP	REMOVE AND DISPOSE PIPE
DPB	REMOVE AND DISPOSE PAVED WATERWAY
DRB	REMOVE AND DISPOSE RIGID BASE
DS	REMOVE AND DISPOSE SIGN
DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
DSW	REMOVE AND DISPOSE SIDEWALK
DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
DUP	REMOVE AND DISPOSE UTILITY POLE
DWW	REMOVE AND DISPOSE PAVED WATERWAY
FF	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
GET	FLARED GUARDRAIL END TREATMENT
IA	IMPACT ATTENUATOR
IDL	IMPERVIOUS DITCH LINER
LOD	LIMIT OF DISTURBANCE
LOR	LIMIT OF REGRADING
LS	4" LOAM AND SEED
NFH	NEW FIRE HYDRANT WITH GATE VALVE

NOT IN THIS CONSTRUCTION CONTRACT

FURNISH AND INSTALL NEW WATER GATE VALVE BOX

FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX

FURNISH AND INSTALL NEW WATER CURB STOP BOX

FURNISH AND INSTALL NEW WATER CURB STOP AND BOX

PERMANENT CHECK DAM

4" PLANTABLE SOIL AND SEED

RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET

R.I.D.O.T. COMMUNICATIONS MANHOLE

REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)

RELOCATE LAMP POST

RELOCATE MAILBOX (BY OTHERS)

REMOVE PAVEMENT MARKINGS

RIP-RAP PAD (SEE DETAIL)

REMOVE AND RELOCATE SIGN

RELOCATE UTILITY POLE (BY OTHERS)

STONE BAFFLE

STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)

STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)

STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION

REMOVE AND STOCKPILE FENCE

SPECIAL GRADED AGGREGATE

REMOVE AND STOCKPILE GRANITE CURB

REMOVE AND STOCKPILE GUARDRAIL

REMOVE AND STOCKPILE HYDRANT

REMOVE AND STOCKPILE SIGN

REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM

CONCRETE THRUST BLOCK

TIE EXISTING PIPE INTO NEW STRUCTURE

TIE NEW PIPE INTO EXISTING STRUCTURE

THRIE BEAM TRANSITION

THRIE BEAM BRIDGE CONNECTION

TREE TRIMMING

4" WOOD CHIP MULCH

4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW

6" EPOXY RESIN PAVEMENT MARKINGS - WHITE

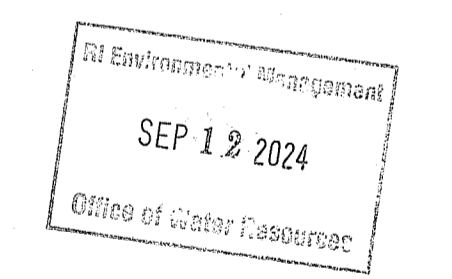
12" EPOXY RESIN PAVEMENT MARKINGS - WHITE

6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)

4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW

6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW

PROFILE GRADE LINE



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: DEC 30 2024 FILE #: 24-0228
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
 CHECKED BY:
 DATE: SEPTEMBER 2024
 SHEET: 2
 OF: 102

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE
1	6/07	TRB	
2	12/22	RS	

SCALE: NOT TO SCALE

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

WARWICK/WEST WARWICK
 RHODE ISLAND

STANDARD PLAN SYMBOLS &
 STANDARD LEGEND

GENERAL NOTES:

- 1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, DRAINAGE STRUCTURES, DRAINAGE PIPES, INFILTRATION AREAS, ROADSIDE, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.05 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION. EQUIPMENT AND MATERIAL SHALL NOT BE STORED IN AREAS DESIGNATED FOR STORMWATER INFILTRATION OR OUTSIDE THE L.O.D. WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT DISTURBED OR OBLITERATED BEFORE SURVEY GROUND CONTROL POINTS ARE LOCATED, VERIFIED, AND DEEMED ADEQUATE FOR CONSTRUCTION LAYOUT. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THE CONTRACTOR TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION ACTIVITIES UNTIL ADEQUATE SURVEY GROUND CONTROL POINTS HAVE BEEN ESTABLISHED, TIED DOWN, AND VERIFIED IN WRITING BY THE CONTRACTOR'S PROFESSIONAL LAND SURVEYOR.
4. ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
5. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE DETERMINED BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF SECTION 907.
6. ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 7 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE INCIDENTAL TO THE APPLICABLE PAVEMENT ITEMS.
8. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE SHALL BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT ITS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED.
9. THE CONTRACTOR WILL NOT BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
10. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. CLEANING WITH COMPRESSED AIR SHALL ONLY BE ALLOWED WITH THE APPROVAL OF THE ENGINEER.
11. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS AND SHOP DRAWINGS OR AS MODIFIED BY THE ENGINEER.
12. THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
13. PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVEMENT FOR CONTROLLING GRADE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO MAINTAIN THE SAFE TRAVEL OF THE PUBLIC AT NO ADDITIONAL COST TO THE STATE.
15. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO NEW AND EXISTING DRAINAGE STRUCTURES HAS BEEN PROPERLY ESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; ANY CORRECTIVE ACTION SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
17. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
18. IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
19. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM), AND/OR THE ARMY CORPS OF ENGINEERS (ACOE), AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).

GENERAL NOTES (CONTINUED):

- 20. FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL ACTION WORK AND/OR SOIL MANAGEMENT PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
21. NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
22. THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

DRAINAGE AND EROSION CONTROL NOTES:

- 1. THE CONTRACTOR IS REQUIRED TO ADHERE WITH THE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIDEMS GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE-SPECIFIC SWPPP FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AS SITE CONDITIONS WARRANT. A COPY OF THE SWPPP MUST BE ON-SITE AT ALL TIMES. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS.
2. NO UNDISTURBED AREAS SHALL BE GRUBBED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
3. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODIBLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES TO STABILIZE. STOCKPILES OF CONTAMINATED MATERIALS MUST BE PLACED ON TOP OF A POLY-ETHYLENE SHEET AND COVERED AT ALL TIMES UNLESS IT IS AN ACTIVE WORKING PILE.
4. IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. ENVIRONMENTAL DIVISION.
5. SURFACE EROSION CONTROL MATTING SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
6. SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
a. SEEDING TYPE I.
b. ADHESIVE MULCH STABILIZER
7. UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
8. PRIOR TO CONSTRUCTION OPERATIONS, THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL CATCH BASINS AND FLUSHING THE PIPES, AND THEN VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION.
9. ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EFFICACY OF THE DRAINAGE SYSTEM. ONCE CONSTRUCTION IS COMPLETED THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL CATCH BASINS AND FLUSHING ALL PIPES OF ANY CONSTRUCTION RELATED DEBRIS AT NO ADDITIONAL COST.
11. CATCH BASIN RIM GRADES FOR STRUCTURES NOT IN A TRAVEL LANE NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
12. PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL STRICTLY ADHERE TO THE PLANS AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL INSTALL ALL SEDIMENT AND EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. SEDIMENT AND EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
14. R.I. STD. 9.8.0 BALED STRAW INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ADJUTING GROUND SURFACES ARE STABILIZED.
15. WHERE BALED STRAW INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

- 16. DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN REMOVED AND INFILTRATION IS REESTABLISHED, FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED TO COMPLY WITH THE PLANS, SPECIFICATIONS, AND PERMITS. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION AND COSTS REQUIRED TO RESOLVE SUCH ISSUES IS THE RESPONSIBILITY OF THE CONTRACTOR.
17. THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
18. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
19. ALL COMPOST FILTER SOCK, STRAW BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
20. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
21. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
22. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEMS. ADDITIONAL SEDIMENT AND EROSION CONTROLS, SHALL BE INSTALLED IN ACCORDANCE WITH THE SWPPP REPORT. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.
23. ANY OBSERVATIONS OF ILLEGAL CONNECTIONS OR DISCHARGES TO RIDOT'S DRAINAGE NETWORK OR OUTFALLS SHALL BE REPORTED TO THE RIDOT STORMWATER UNIT IMMEDIATELY.

UTILITY NOTES:

- 1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
4. EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
5. UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
6. FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
7. ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
8. ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.
9. THE CONTRACTOR SHALL PROVIDE 72-HOUR ADVANCE NOTICE TO THE RIDOT TMC (401-222-2378) FOR WORK AROUND RIDOT OWNED INFRASTRUCTURE (DRAINAGE, LIGHTING, ITS EQUIPMENT, TOLL GANTRIES, COUNTING STATIONS, ETC.). ANY DAMAGE TO THIS INFRASTRUCTURE MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT RIDOT IN ADVANCE, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.

Table with 4 columns: RI CONTRACT NO., FISCAL YEAR, SHEET NO., TOTAL SHEETS. Values: 2024, 3, 102.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 30 2024 FILE #: 24-0228
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Handwritten signature: Nancy L. Freeman



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE: SEPTEMBER 2024
SHEET: 3
OF: 102

Table with columns: NO., DATE, BY, REVISIONS. Rows: 1 (4/07 TRB), 2 (3/10 RBH), 3 (4/14 MLP)

BRIDGE GROUP 08 - I-295 WAR, WST VOLUME 1
WARWICK/WEST WARWICK RHODE ISLAND

STANDARD NOTES - 1

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	4	102

LANDSCAPE NOTES:

- ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
- ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
- COORDINATE WITH THE R.I.D.O.T. CONSTRUCTION MANAGER PRIOR TO ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
- ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
- PROVIDE A MINIMUM 6'-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.
- THE CONTRACTOR SHALL PROVIDE CERTIFICATION THAT THERE ARE NO CONTAMINANTS THAT EXCEED THE R.I.D.E.M. PERMISSIBLE LEVELS IN THE SOILS USED AS LOAM OR PLANTABLE SOIL.

STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

GENERAL

- ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION AND REVISIONS, OF THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

CONSTRUCTION DRAWINGS AND DETAILS

- THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
 - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION."
 - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
- THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
- THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

TRAFFIC SIGNAL NOTES:

- ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888. THE COST FOR DELIVERY IS CONSIDERED INCIDENTAL TO THE WORK.
- BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
- TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
- ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
- INSULATED GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
- A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
- ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
- WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
- ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE-ACTIVATED (NON-MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
- ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
- TRAFFIC SIGNAL CONTROLLERS AND CABINETS SHALL BE PROGRAMMED AND WIRED SO THAT ANY FIRE PRE-EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
- THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
- ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
- POLICE OFFICERS AND FLAGPERSONS SHALL BE UTILIZED AS OUTLINED IN SECTIONS 913 & 914 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
- ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
- THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. APPROVED PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLANNED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT. FAILURE TO COMPLY WILL RESULT IN AN ASSESSMENT OF A CHARGE AS OUTLINED IN SECTION 937 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

RI Department of Environmental Management
 Office of Water Resources
 SEP 19 2024

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: DEC 30 2024 FILE #: 24-0228
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Nancy L. Freeman



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
 CHECKED BY:
 DATE: SEPTEMBER 2024
 SHEET: 4
 OF: 102

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	4/07	TRB	4	12/22	JRP
2	11/07	TRB			
3	3/10	RBH			

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

WARWICK/WEST WARWICK

RHODE ISLAND

STANDARD NOTES - 2

JOB SPECIFIC LEGEND:

- 9.2.0 SILT FENCE R.I. STD. 9.2.0
- 20.1.0 PAVEMENT MARKINGS - ARROWS AND ONLY
- 20.3.0 PAVEMENT MARKINGS - CROSSWALKS (10' WIDTH)
- 34.3.4M STEEL BEAM GUARDRAIL CONNECTION TO NEW END POST - THRIE-BEAM (SEE DETAIL)
- BOL PROPOSED BOLLARD
- CFS COMPOST FILTER SOCK
- CS CRUSHED STONE - 4" DEPTH
- DBO REMOVE AND DISPOSE BOLLARD
- DCM REMOVE AND DISPOSE CONCRETE MEDIAN
- DGC REMOVE AND SALVAGE GRANITE CURB
- DT REMOVE AND DISPOSE TREE
- FDP FULL DEPTH PAVEMENT
1.5" FRICTION COURSE
1.5" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS
10.5" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE
- FDP-1 FULL DEPTH PAVEMENT
3" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS
6" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE
- GDG GUARDRAIL DELINEATOR - GREEN
- GDR GUARDRAIL DELINEATOR - RED
- IP INLET PROTECTION
- MM (X") MICROMILL (DEPTH)
- NUP NEW UTILITY POLE (BY OTHERS)
- OV OVERLAY
1.5" FRICTION COURSE
1.5" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS
- OV-1 OVERLAY
3" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS
(PLACED IN TWO 1.5" LIFTS)
- OV-2 OVERLAY
1.5" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS
- PMM PAVEMENT MILLINGS MULCH (4" DEPTH)
- PWW PAVED WATERWAY (SEE DETAIL)
- RCVW RECONSTRUCT VERTICAL WALLS
- RP RIP-RAP PAD WITH BEDDING (DIMENSIONS)
- RRB REMOVE AND REPLACE BOLLARD
- RRFB RECTANGULAR RAPID FLASHING BEACON SYSTEM (SEE DETAIL)
- SRF SPLIT RAIL FENCE
- WPM WORD PAVEMENT MARKING (SEE DETAIL)
- 6BW 6 INCH BROKEN WHITE LANE LINE MARKING (SEE DETAIL)
- 6DSW 6 INCH INTERSECTION WHITE GUIDE LINE MARKING (SEE DETAIL)
- 6DWL 6 INCH DASHED WHITE LANE DROP MARKING (SEE DETAIL)
- 12DWL 12 INCH DASHED WHITE LANE DROP MARKING (SEE DETAIL)

JOB SPECIFIC LINE LEGEND:

- COMPOST FILTER SOCK
- SILT FENCE R.I. STD. 9.2.0
- SPLIT RAIL FENCE
- 25 FT BUFFER ZONE
- 50 FT BUFFER ZONE
- 75 FT BUFFER ZONE
- 100 FT BUFFER ZONE
- 150 FT BUFFER ZONE
- FLOODWAY
- 100 FT JURISDICTIONAL AREA
- 200 FT JURISDICTIONAL AREA
- DELINEATED STREAM
- DELINEATED AREA SUBJECT TO STORM FLOW
- GRADE TO DRAIN

GENERAL NOTES - PAVEMENT, SIDEWALK, AND CURBING

- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, SIDEWALKS AND DRIVEWAYS DESIGNATED FOR REPLACEMENT. WHERE REQUIRED, NEW SIDEWALKS AND DRIVEWAYS SHALL MEET SAID BUILDINGS, WALLS, AND FENCES. PRIOR TO REMOVAL, A SAWCUT SHALL BE PROVIDED IN ALL SIDEWALK AND DRIVEWAY TO BE REMOVED, A DISTANCE TO BE DETERMINED BY THE ENGINEER'S SUPERVISION. THERE WILL BE NO ADDITIONAL PAYMENT FOR LABOR OR EQUIPMENT NECESSARY TO MEET THIS "REMOVE WITH CAUTION" REQUIREMENT.

DRAINAGE NOTES

- ALL RIM ELEVATIONS SHOWN ON THE PLANS ARE SURFACE ELEVATION, RIMS SHALL BE CONSTRUCTED 0.1' BELOW THE RIM ELEVATION INDICATED ON THE PLANS. (THIS NOTE CLARIFIES DRAINAGE AND EROSION CONTROL NOTE 11 ON STANDARD NOTES-1).
- ALL REINFORCED CONCRETE DRAINAGE PIPES SHALL BE CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.

EROSION AND SEDIMENT CONTROL NOTES

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE EMPLOYED ON THE PROJECT ARE INDICATED ON THE PLANS. CONTROL MEASURES SHALL BE FURNISHED, INSTALLED, MAINTAINED FOR THE DURATION OF CONSTRUCTION, AND SUBSEQUENTLY REMOVED. ALL IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS, THE LATEST EDITION AND REVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE PROJECT SWPPP.
- PRIOR TO ANY CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACCESS POINTS FOR APPROVAL BY THE ENGINEER. PRIOR TO ANY DISTURBANCE OF EXISTING CONDITIONS THE CONTRACTOR MUST INSTALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS PADS AT THE APPROVED LOCATIONS.
- ALL CLEARING, GRADING AND EARTHWORK ACTIVITIES SHALL REMAIN STRICTLY WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE RESTRICTED TO ACTIVITIES NECESSARY FOR COMPLETION OF THE WORK. THE CONTRACTOR SHALL ENSURE THAT ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE REMAIN UNDISTURBED AND PROTECTED FROM CONSTRUCTION IMPACTS.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE RI SOILS HANDBOOK WITH THE RIDOT STANDARD SPECIFICATIONS.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT LOCATIONS AND AREAS SHOWN ON THE PLANS.
- ALL MATERIAL STOCKPILES SHALL BE APPROVED BY THE ENGINEER AND LOCATED WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE SURROUNDED BY A SECURED PERIMETER OF COMPOST FILTER SOCK. NO STOCKPILING OF MATERIALS WILL BE PERMITTED WITHIN THE 100-YEAR FLOOD PLAIN.
- ALL EXISTING AND CONSTRUCTED DRAINAGE SYSTEM INLETS SHALL BE PROVIDED WITH INLET PROTECTION DEVICES (FILTER BAGS/SILT SACKS, SANDBAGS, WATTLES, ETC.) AS INDICATED ON THE PLANS. ALL INLET PROTECTION DEVICES SHALL BE INSTALLED, MAINTAINED, AND CLEANED FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL STORMWATER CONTROLS ARE FULLY STABILIZED AND ONLINE, AT WHICH TIME THEY SHALL BE REMOVED. ALL ACCUMULATED SEDIMENT AND DEBRIS TRAPPED BY DEVICES SHALL BE REMOVED AND DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.

GENERAL NOTES - PAVEMENT MARKINGS

- ALL PERMANENT PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN. PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS BUT NO LONGER THAN 4 WEEKS FROM COMPLETION OF PAVING OPERATIONS.
- THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2025 EDITION, AS AMENDED.
- WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS, EXISTING MARKINGS SHALL BE REMOVED BY METHOD APPROVED BY THE RIDOT. THE COST OF PAVEMENT MARKING REMOVAL SHALL BE CONSIDERED INCIDENTAL TO ITEM CODE T20.0101 PAVEMENT MARKINGS.
- LIMITS OF PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING STRIPING, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY AND RECORD PAVEMENT MARKING LOCATIONS PRIOR TO ANY PAVEMENT REMOVAL. MARKINGS SHALL BE REPLACED IN ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- FAST-DRYING WATERBORNE TRAFFIC MARKINGS SHALL BE USED ON MICRO MILLED SURFACES AND INTERMEDIATE PAVEMENT LAYERS WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.
- TEMPORARY WATERBORNE PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE LAYER WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.

GENERAL NOTES - SIGNS

- ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS SHALL HAVE SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0 OR 24.6.0 AS APPROPRIATE.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE RIDOT.
- ALL PROPOSED AND RELOCATED SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7' OVER THE SIDEWALK. FOR SIGNS TO BE RELOCATED, IF 7' OF CLEARANCE CANNOT BE ACHIEVED USING THE EXISTING POST, A NEW POST SHALL BE USED. THE COST OF THE NEW POST SHALL BE CONSIDERED INCIDENTAL TO ITEM T15.0200 - REMOVE AND RELOCATE DIRECTIONAL REGULATORY OR WARNING SIGN.
- ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.

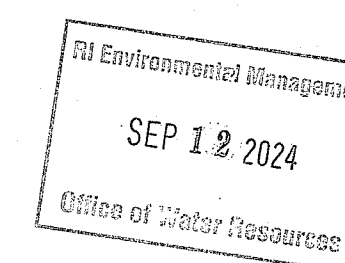
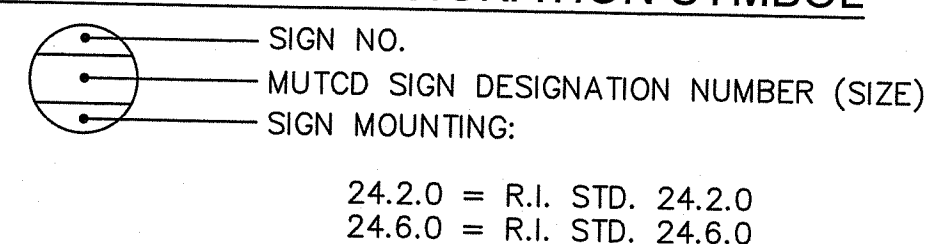
GENERAL NOTES

- ALL ITEMS NOT REFERENCED FOR MODIFICATIONS WILL BE CONSIDERED "EXISTING TO REMAIN" UNLESS OTHERWISE NOTED.
- GUARDRAIL POSTS SHALL NOT BE PLACED IN OR THROUGH EXISTING OR PROPOSED DRAINAGE FEATURES INCLUDING BUT NOT LIMITED TO PAVED WATERWAYS, DRAINAGE PIPES AND DRAINAGE STRUCTURES.
- EXISTING DELINEATORS WITHIN THE PROJECT LIMITS MAY NEED TO BE REMOVED AND RESET DUE TO THE INSTALLATION OF THE NEW GUARDRAIL RUN. THE CONTRACTOR SHALL REMOVE AND RESET DELINEATORS WHERE THEY CONFLICT WITH THE PROPOSED GUARDRAIL TO THE DIMENSIONS AND SPACING AS SHOWN ON SIGNING & STRIPING DETAILS PLAN AND IN CHAPTER 3F OF THE MUTCD. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF GUARDRAIL INSTALLATION.
- EXISTING DELINEATORS THAT ARE DETERMINED BY THE ENGINEER TO BE MISSING OR DAMAGED SHALL BE REPLACED TO THE DIMENSIONS AND SPACING AS SHOWN ON SIGNING & STRIPING DETAILS PLAN AND IN CHAPTER 3F OF THE MUTCD. EXISTING DELINEATORS THAT ARE DETERMINED BY THE ENGINEER TO NO LONGER BE NEEDED SHALL BE REMOVED AND DISPOSED. THIS WORK SHALL BE PAID FOR UNDER THE RESPECTIVE BID ITEMS "REMOVAL AND DISPOSAL OF MISCELLANEOUS OBJECTS" AND "DELINEATORS."

GENERAL NOTES - SURVEY

- FIELD SURVEY WORK AND AERIAL IMAGERY WAS PERFORMED BY VHB DURING APRIL OF 2023. LIMITS OF PAVING ON BALD HILL ROAD TO THE SOUTH AND NORTH OF I-295 ARE DIGITIZED MAPPING BASED ON THE AERIAL IMAGERY.
- FIELD SURVEY WAS PERFORMED BEFORE CONSTRUCTION ACTIVITIES BEGAN ON THE PROVIDENCE STREET BRIDGE REPLACEMENT PROJECT.

TYPICAL SIGN DESIGNATION SYMBOL



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: **DEC 30 2024** FILE #: **24-0223**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman

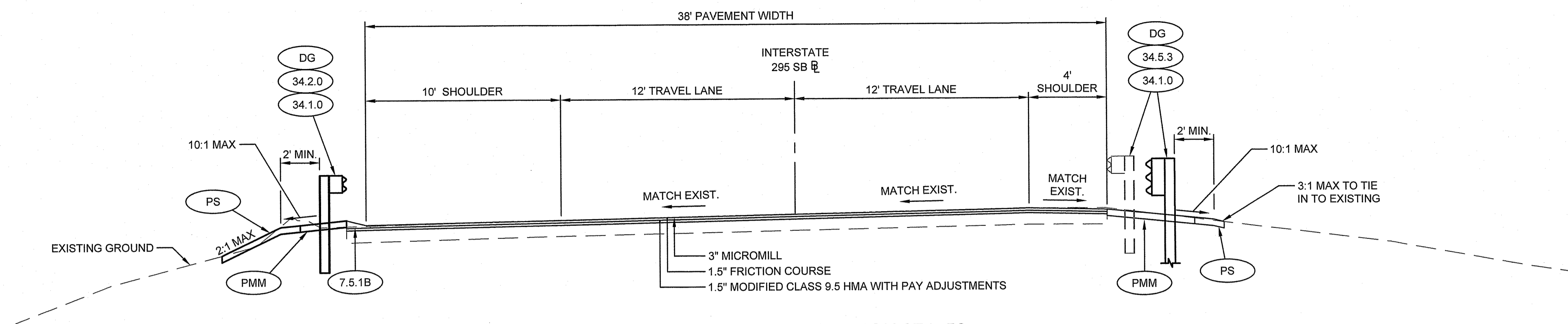


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

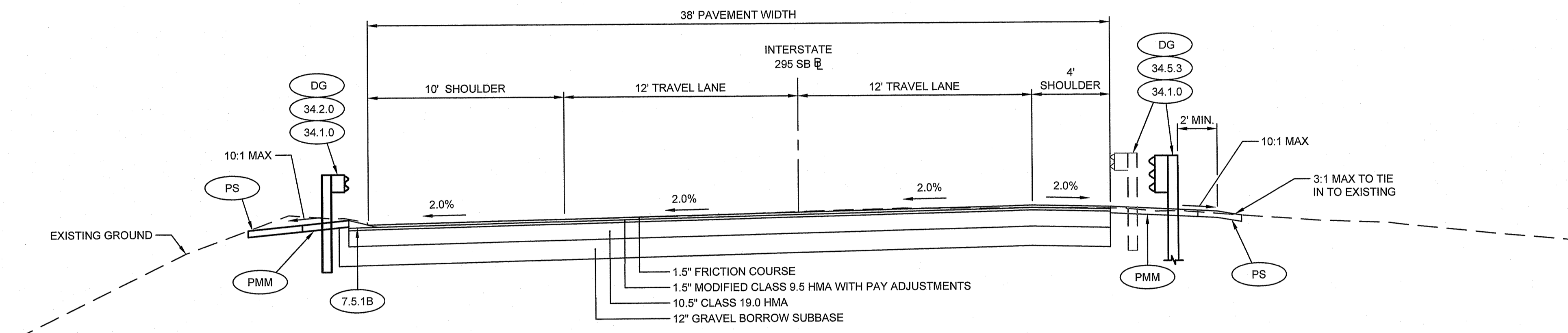
DESIGNED BY:
CHECKED BY:
DATE: SEPTEMBER 2024
SHEET: 5
OF: 102

SCALE: NOT TO SCALE					
REVISIONS			REVISIONS		
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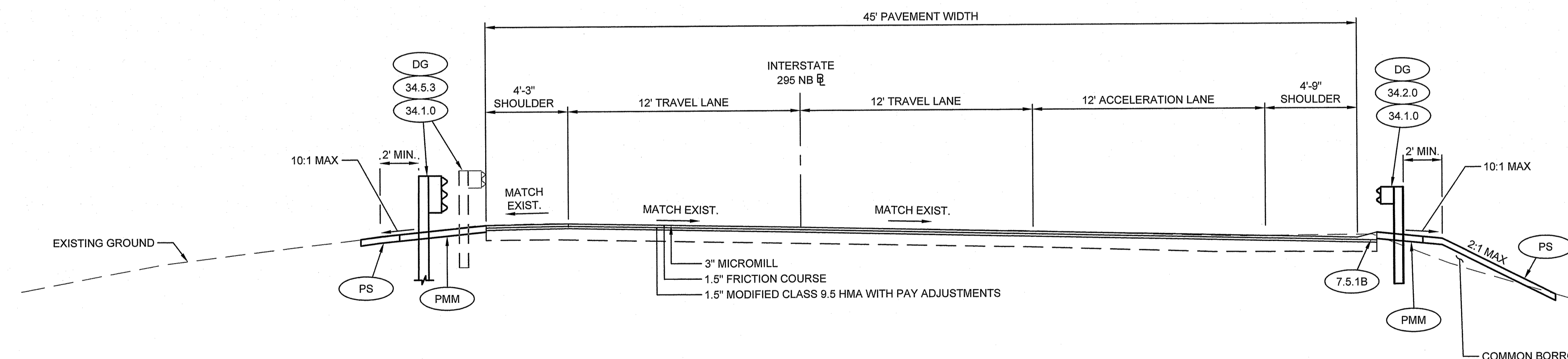
BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1
WARWICK/WEST WARWICK
RHODE ISLAND
**JOB SPECIFIC PLAN SYMBOLS,
LEGEND & NOTES**



STATION 369+80 TO STATION 374+50
 STATION 376+80 TO STATION 381+60
 STATION 393+50 TO STATION 394+00
 STATION 411+00 TO STATION 411+60
 STATION 415+75 TO STATION 416+25
INTERSTATE 295 SB
 SCALE: 1"=4'



STATION 389+95 TO STATION 391+06
 STATION 392+84 TO STATION 393+50
 STATION 411+60 TO STATION 412+48
 STATION 414+84 TO STATION 415+75
INTERSTATE 295 SB
 SCALE: 1"=4'



STATION 170+00 TO STATION 173+68
 STATION 175+48 TO STATION 179+60
INTERSTATE 295 NB
 SCALE: 1"=4'

RI Environmental
SEP 12 2024
 Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: **DEC 30 2024** FILE #: **24-0228**
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



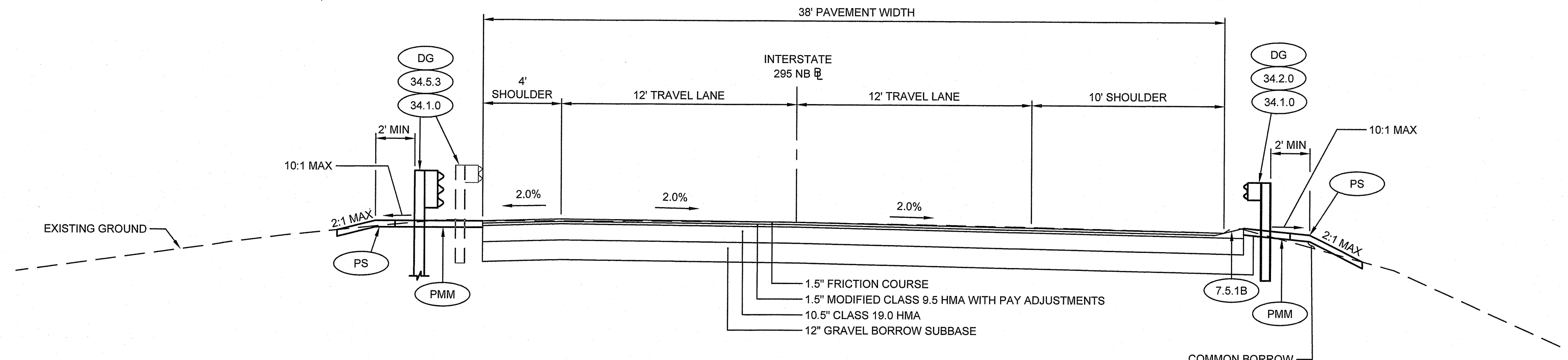
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
 CHECKED BY:
 DATE: SEPTEMBER 2024
 SHEET: 7
 OF: 102

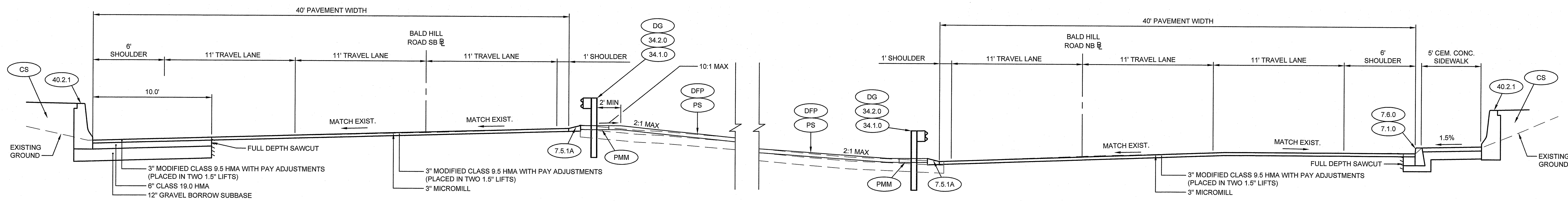
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND
TYPICAL SECTION NO. 1

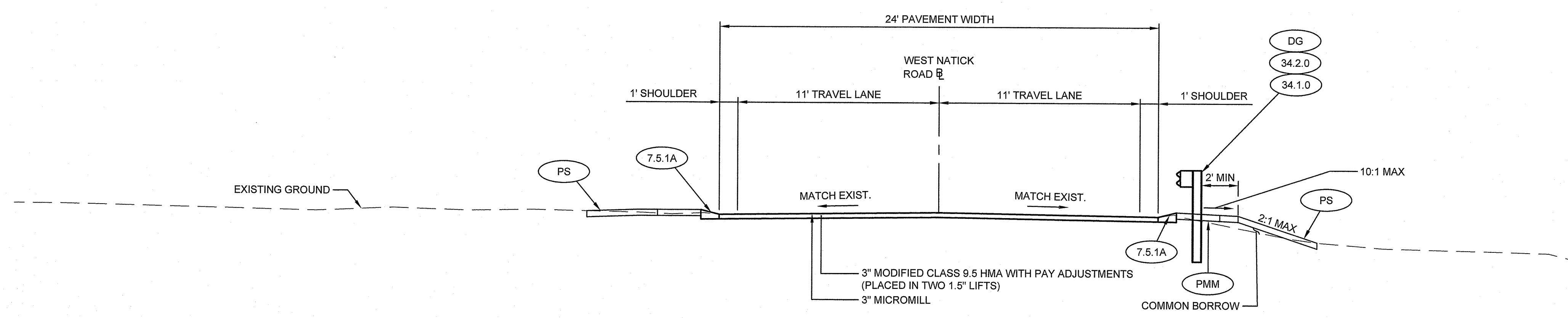


STATION 191+00 TO STATION 191+50
STATION 193+70 TO STATION 194+40
STATION 211+60 TO STATION 212+25
STATION 215+00 TO STATION 215+75
INTERSTATE 295 NB
 SCALE: 1"=4'

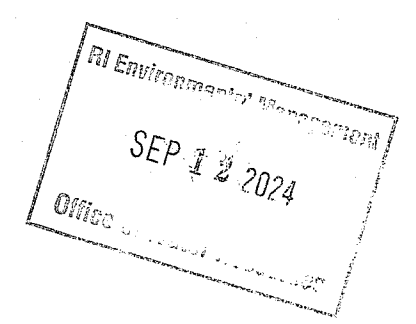


STATION 58+02 TO STATION 64+75
BALD HILL ROAD (SOUTHBOUND)
 SCALE: 1"=4'

STATION 558+52 TO STATION 565+00
BALD HILL ROAD (NORTHBOUND)
 SCALE: 1"=4'



STATION 11+00 TO STATION 16+95
WEST NATICK ROAD
 SCALE: 1"=4'



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 DEPARTMENT OF TRANSPORTATION

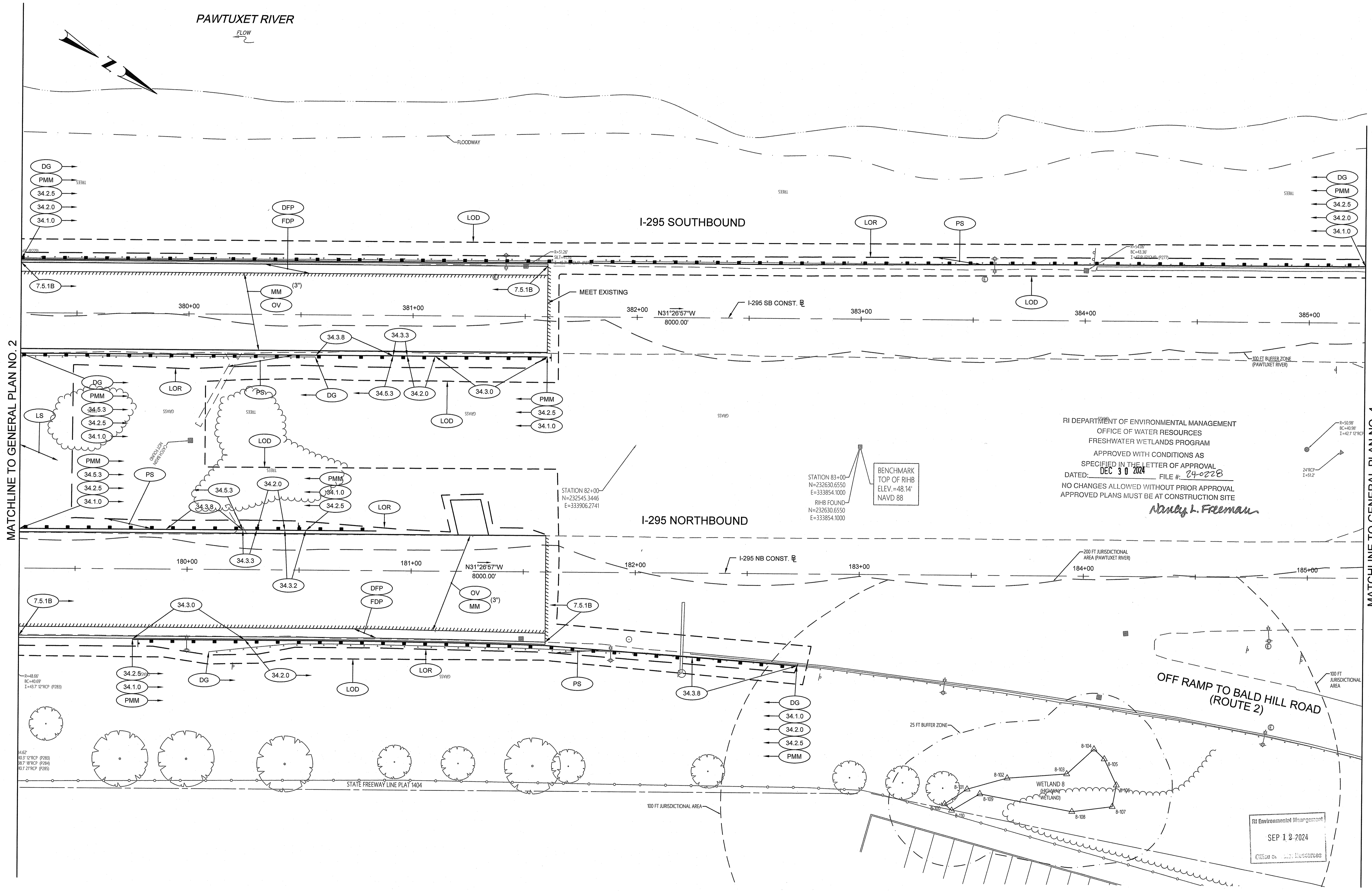
DESIGNED BY:
 CHECKED BY:
 DATE: SEPTEMBER 2024
 SHEET: 8
 OF: 102

SCALE: 1"=4'

NO.		DATE		BY	

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

TYPICAL SECTION NO. 2



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MATCHLINE TO GENERAL PLAN NO. 2

MATCHLINE TO GENERAL PLAN NO. 4



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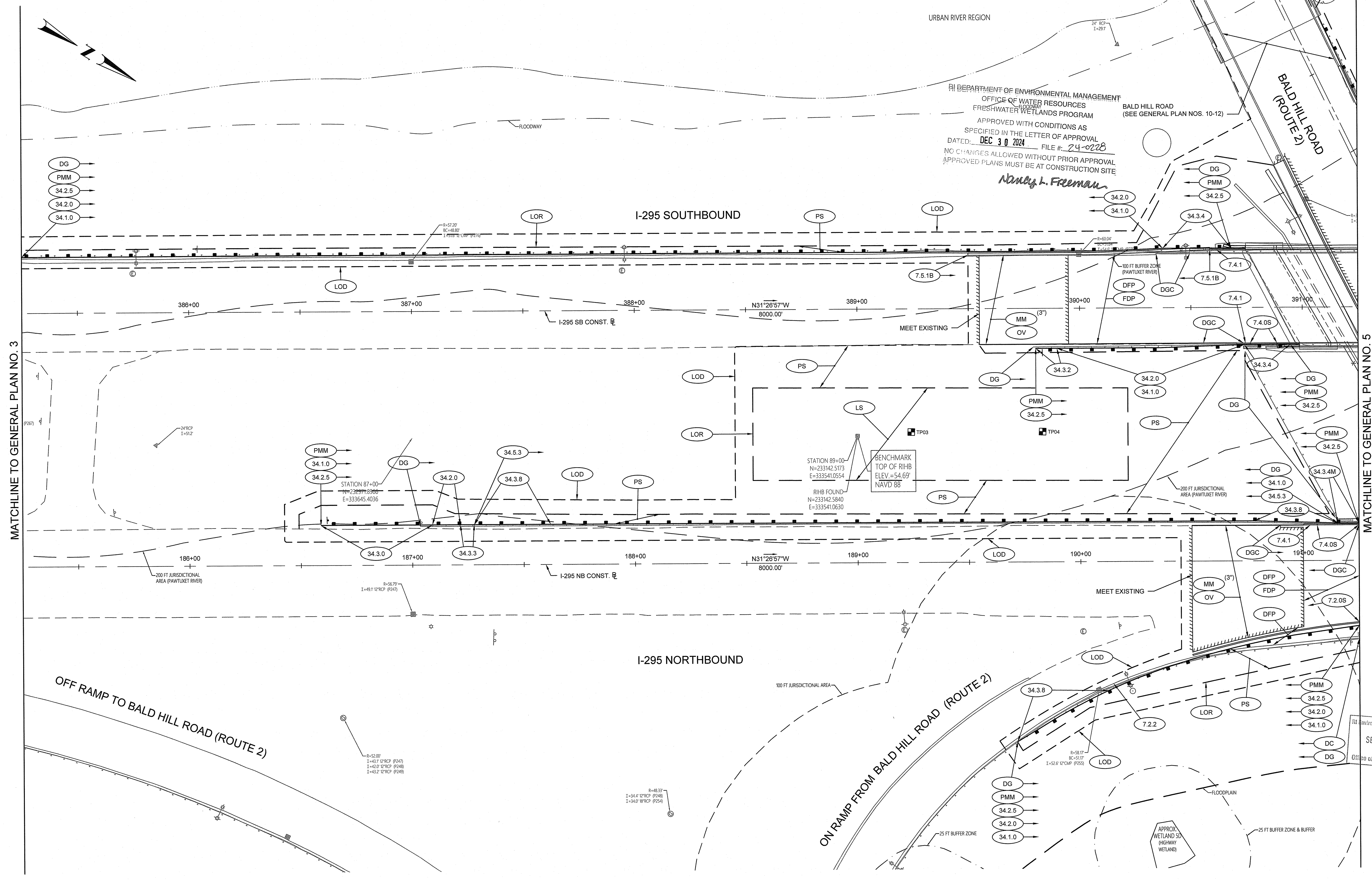
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 CHECKED BY:
 DATE: SEPTEMBER 2024
 SHEET: 11
 OF: 102

SCALE: 1"=20'

SCALE IN FEET			
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REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND

GENERAL PLAN NO. 3



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P:\FILES\24011103 - PTE 2024 Bridge Group 08 - I-295 WAR, WST\Project\Drawings\02024_V1_012_GENERAL04.dwg, 9/10/2024 3:02:58 PM, Information



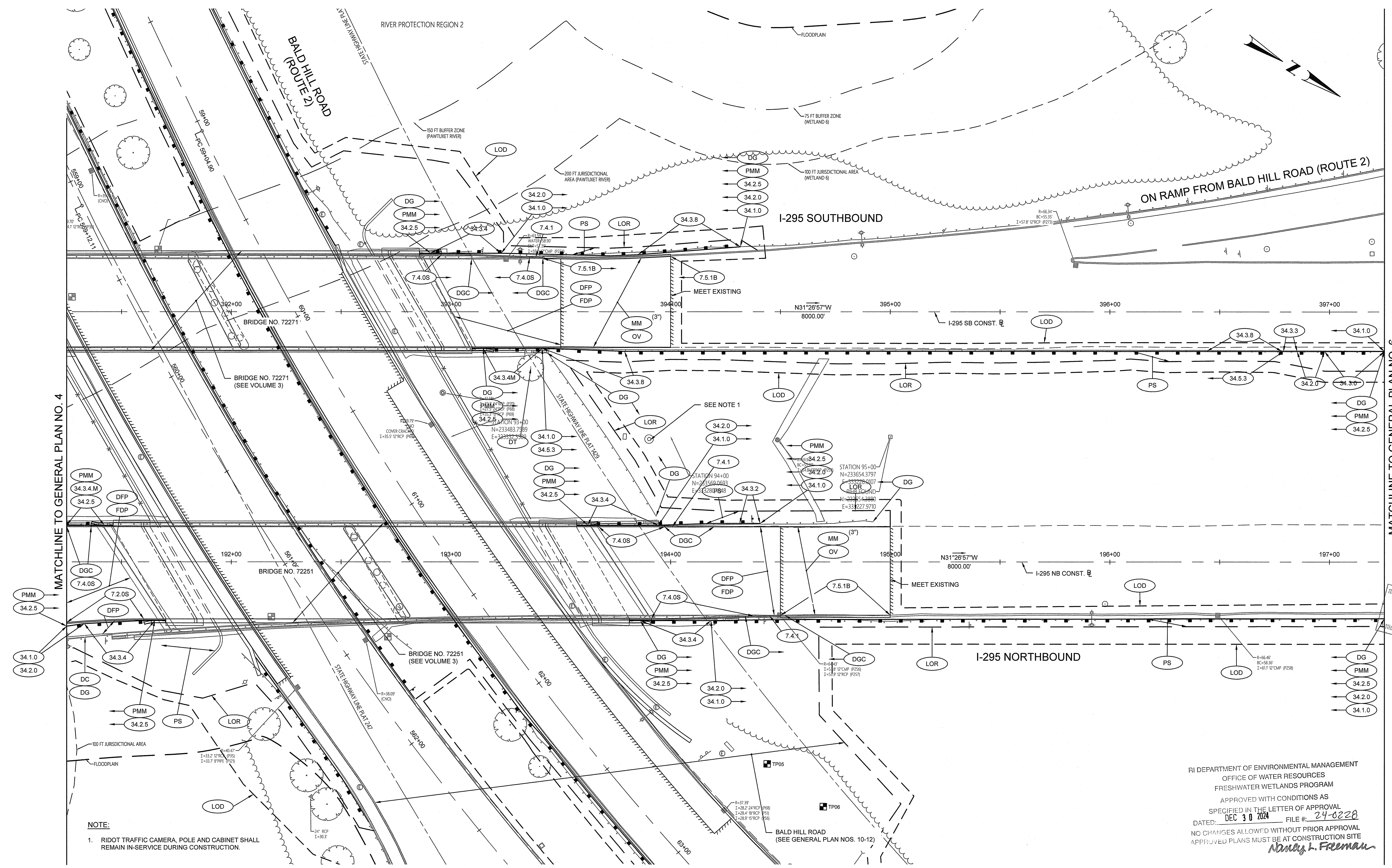
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 DATE: SEPTEMBER 2024
 SHEET: 12
 OF: 102

SCALE: 1"=20'

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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND
GENERAL PLAN NO. 4



MATCHLINE TO GENERAL PLAN NO. 4

MATCHLINE TO GENERAL PLAN NO. 6

NOTE:
1. RIDOT TRAFFIC CAMERA, POLE AND CABINET SHALL REMAIN IN-SERVICE DURING CONSTRUCTION.

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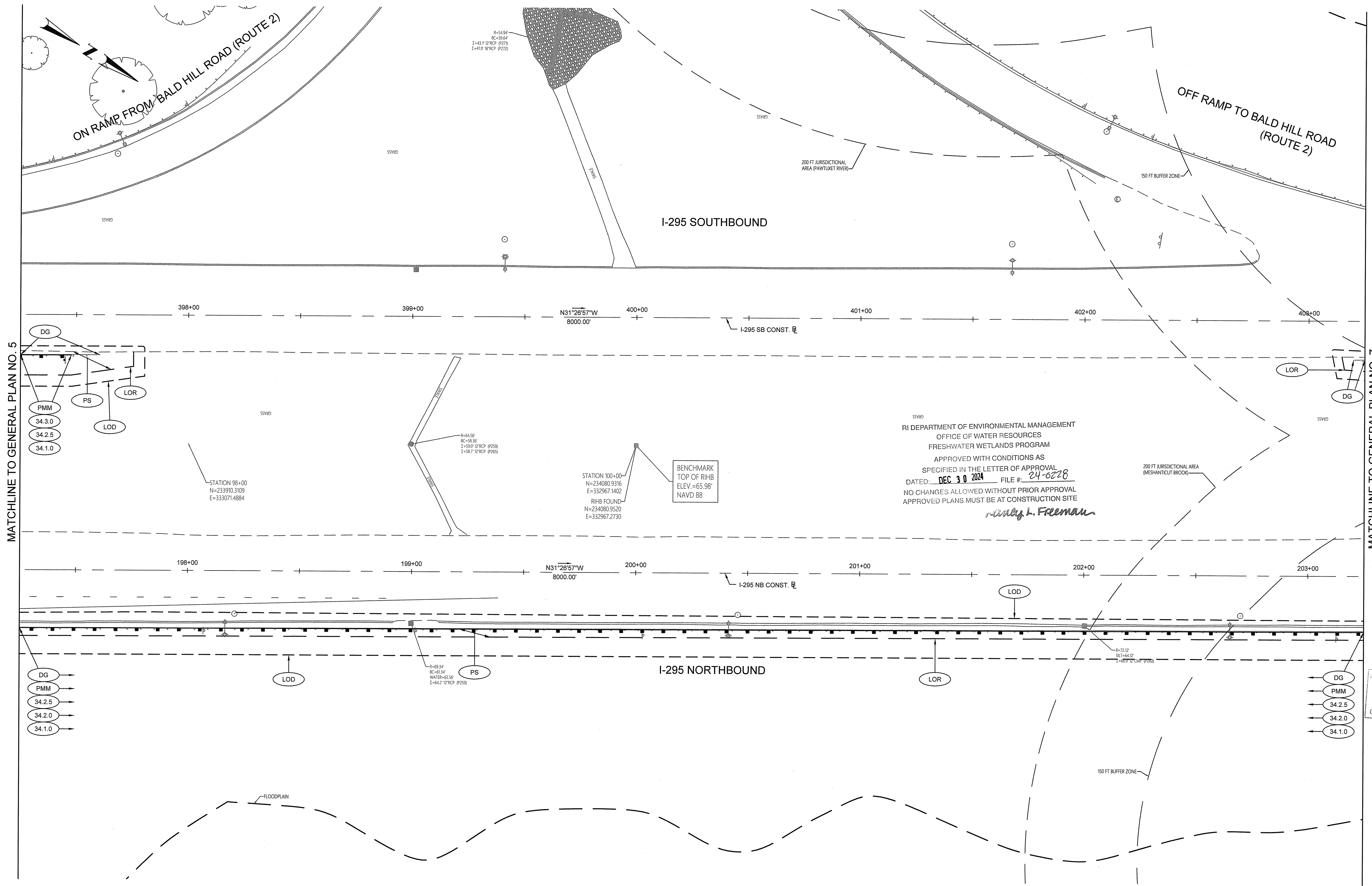
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DATE: SEPTEMBER 2024
SHEET: 13
OF: 102

SCALE: 1"=20'

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BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1
WARWICK/WEST WARWICK
GENERAL PLAN NO. 5
RHODE ISLAND



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MATCHLINE TO GENERAL PLAN NO. 5

MATCHLINE TO GENERAL PLAN NO. 7

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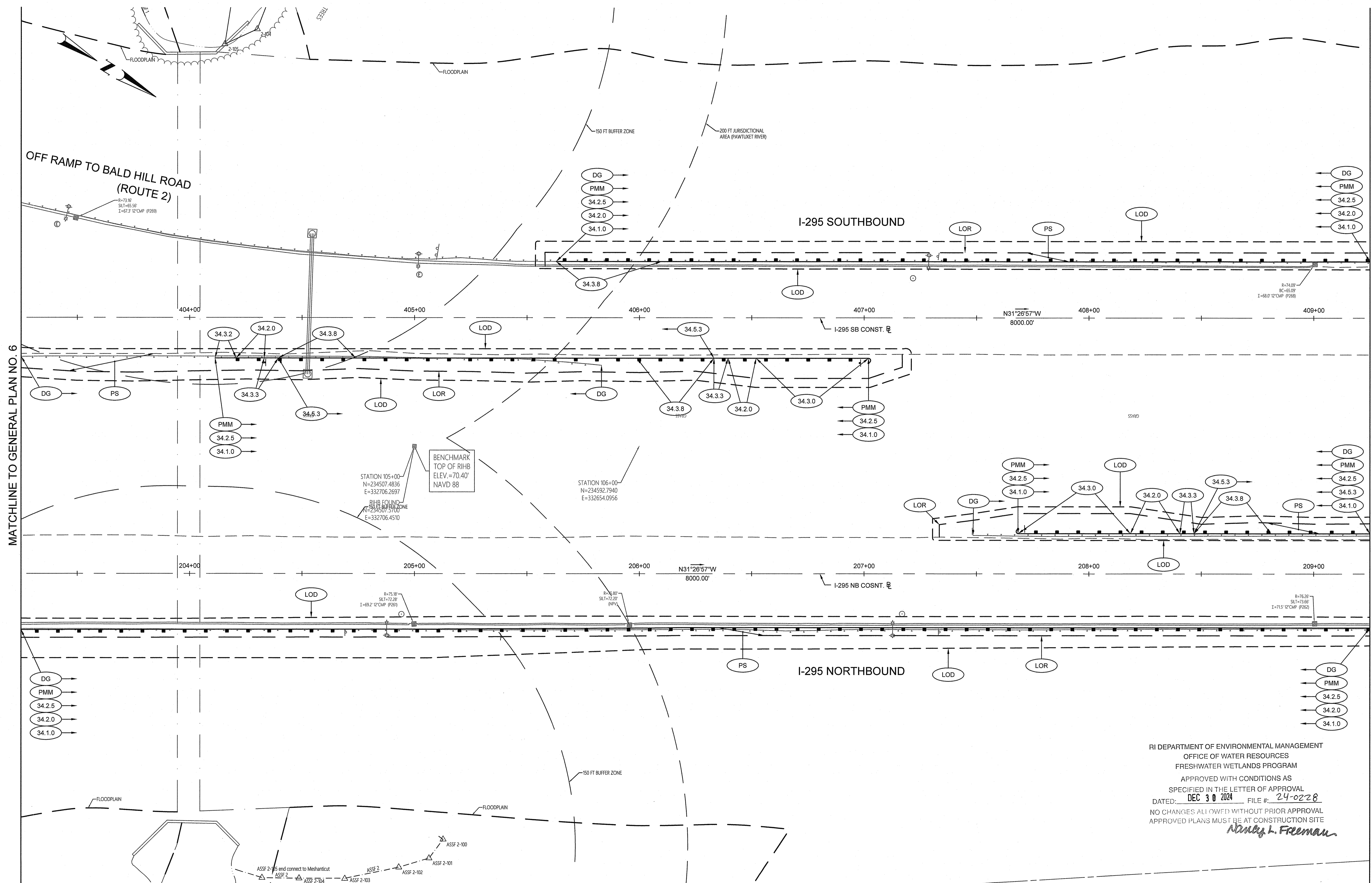
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 DATE: SEPTEMBER 2024
 SHEET: 14
 OF: 102

SCALE: 1"=20'

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NO.	DATE	NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

GENERAL PLAN NO. 6



MATCHLINE TO GENERAL PLAN NO. 6

MATCHLINE TO GENERAL PLAN NO. 8

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 [Signature]

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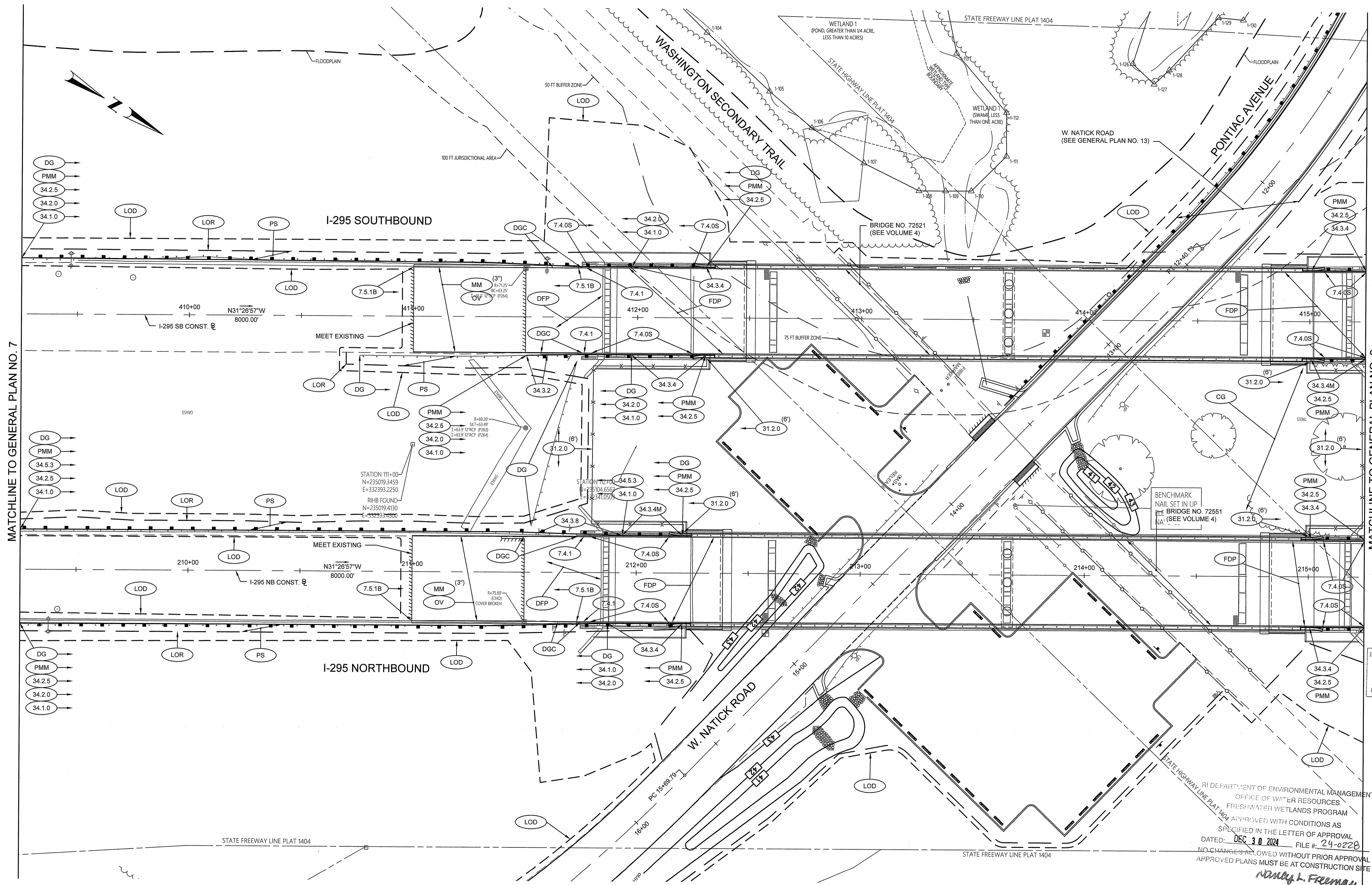
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 OF: 102

SCALE: 1"=20'

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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND
GENERAL PLAN NO. 7



MATCHLINE TO GENERAL PLAN NO. 7

MATCHLINE TO GENERAL PLAN NO. 9

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OF: 102

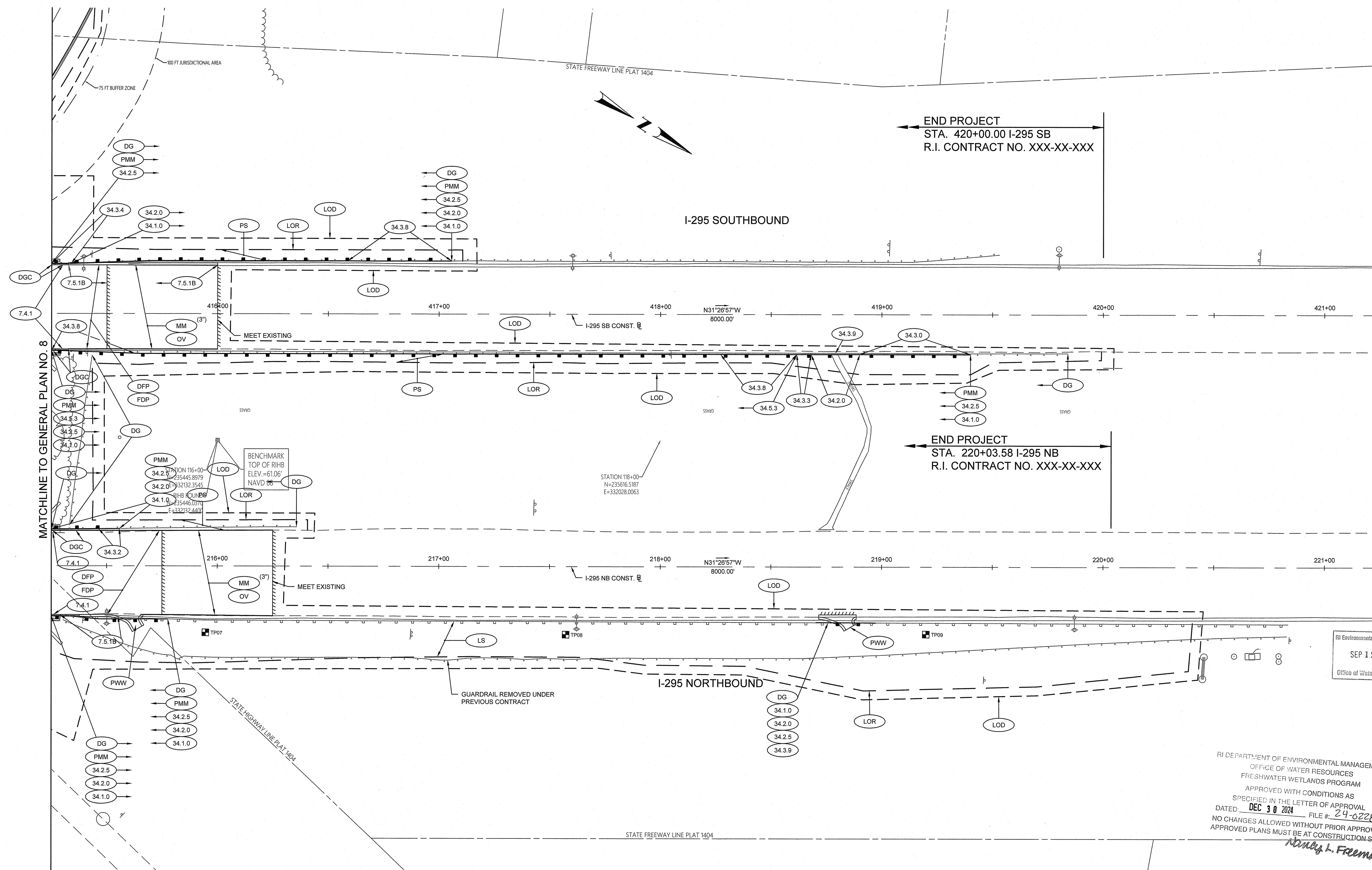
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SCALE IN FEET					
0	20	40			
REVISIONS		REVISIONS			
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1
WARWICK/WEST WARWICK
RHODE ISLAND

GENERAL PLAN NO. 8

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	17	102



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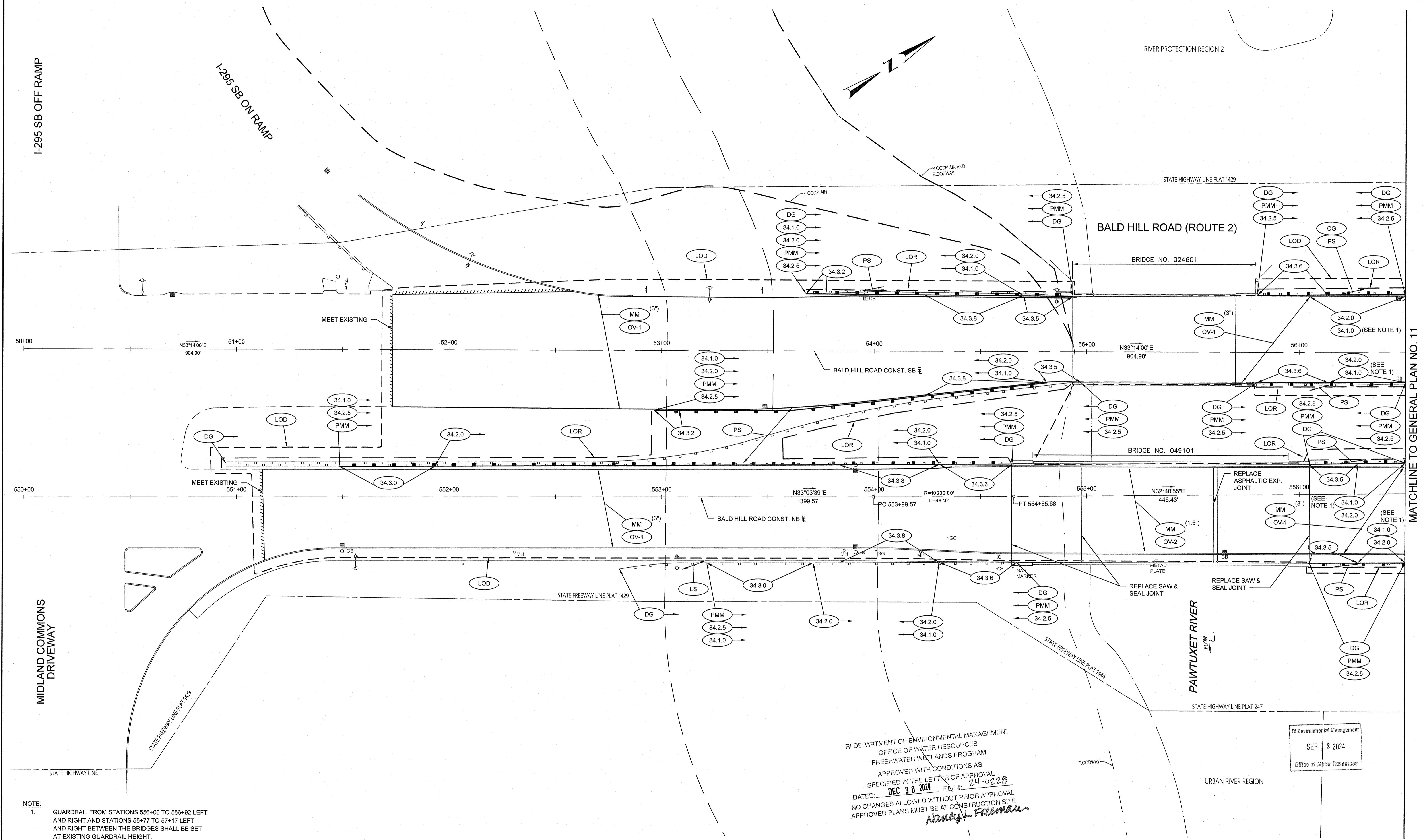
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 SHEET: 17
 OF: 102

SCALE: 1"=20'

NO.		DATE		BY		NO.		DATE		BY	

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

GENERAL PLAN NO. 9



NOTE:
1. GUARDRAIL FROM STATIONS 556+00 TO 556+92 LEFT AND RIGHT AND STATIONS 55+77 TO 57+17 LEFT AND RIGHT BETWEEN THE BRIDGES SHALL BE SET AT EXISTING GUARDRAIL HEIGHT.

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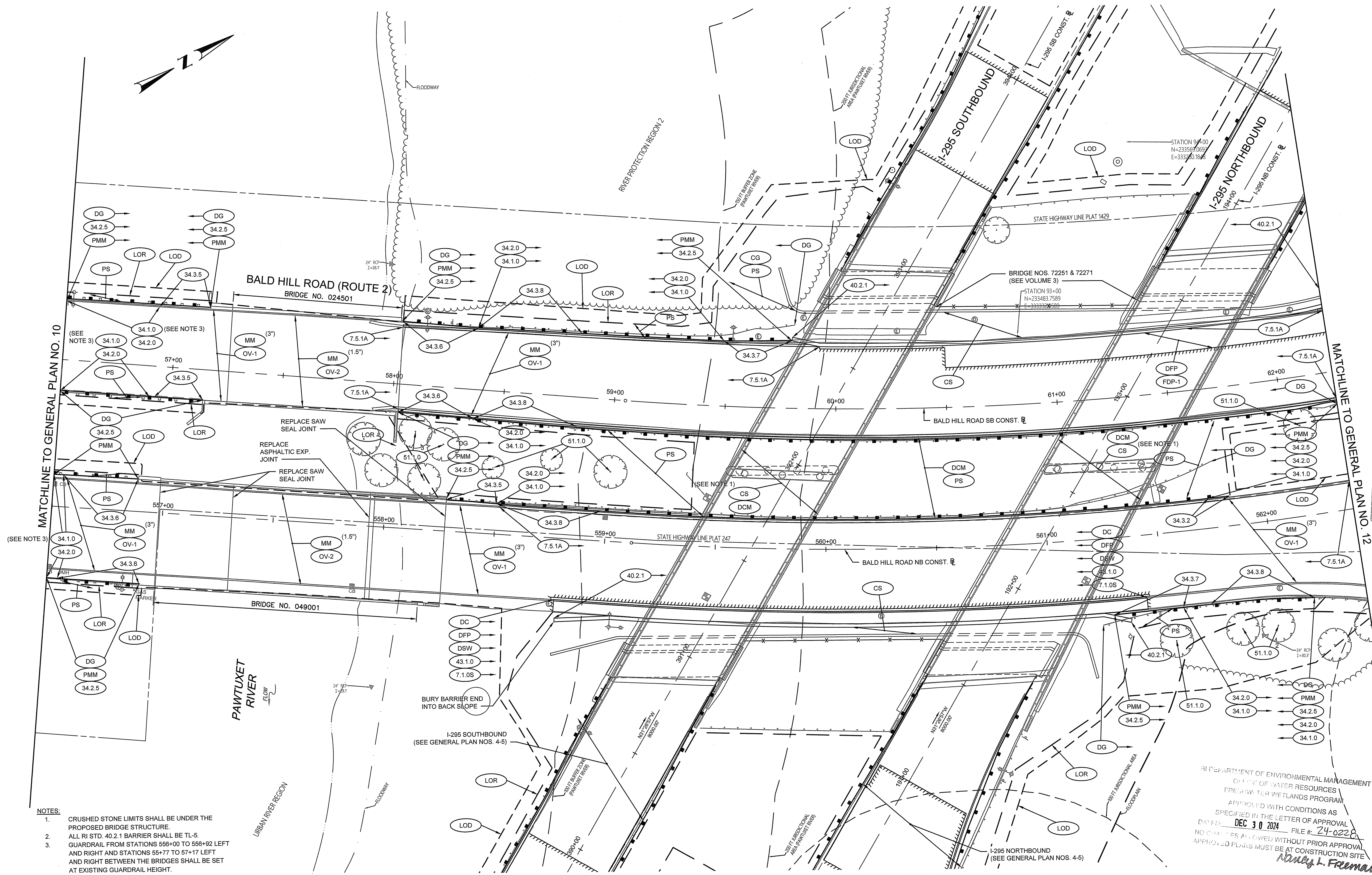
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CHECKED BY:
DATE: SEPTEMBER 2024
SHEET: 18
OF: 102

SCALE: 1"=20'

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1
WARWICK/WEST WARWICK
RHODE ISLAND

GENERAL PLAN NO. 10
BALD HILL ROAD (ROUTE 2)



- NOTES:**
1. CRUSHED STONE LIMITS SHALL BE UNDER THE PROPOSED BRIDGE STRUCTURE.
 2. ALL RI STD. 40.2.1 BARRIER SHALL BE TL-5.
 3. GUARDRAIL FROM STATIONS 556+00 TO 556+92 LEFT AND RIGHT AND STATIONS 55+77 TO 57+17 LEFT AND RIGHT BETWEEN THE BRIDGES SHALL BE SET AT EXISTING GUARDRAIL HEIGHT.

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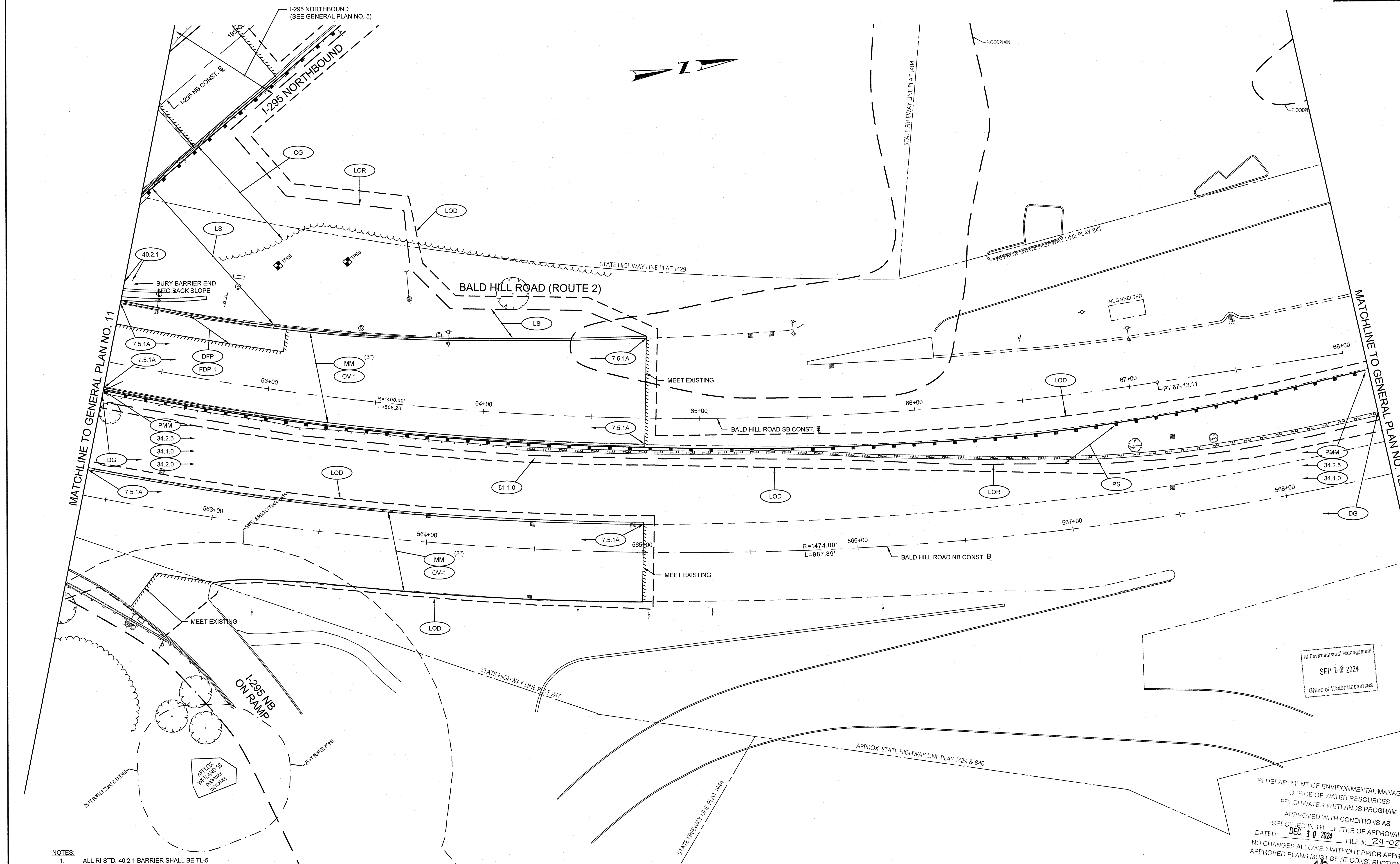
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 DATE: SEPTEMBER 2024
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 OF: 102

SCALE: 1"=20'

SCALE IN FEET					
REVISIONS		REVISIONS			
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

GENERAL PLAN NO. 11
 BALD HILL ROAD (ROUTE 2)



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NOTES:
 1. ALL RI STD. 40.2.1 BARRIER SHALL BE TL-5.



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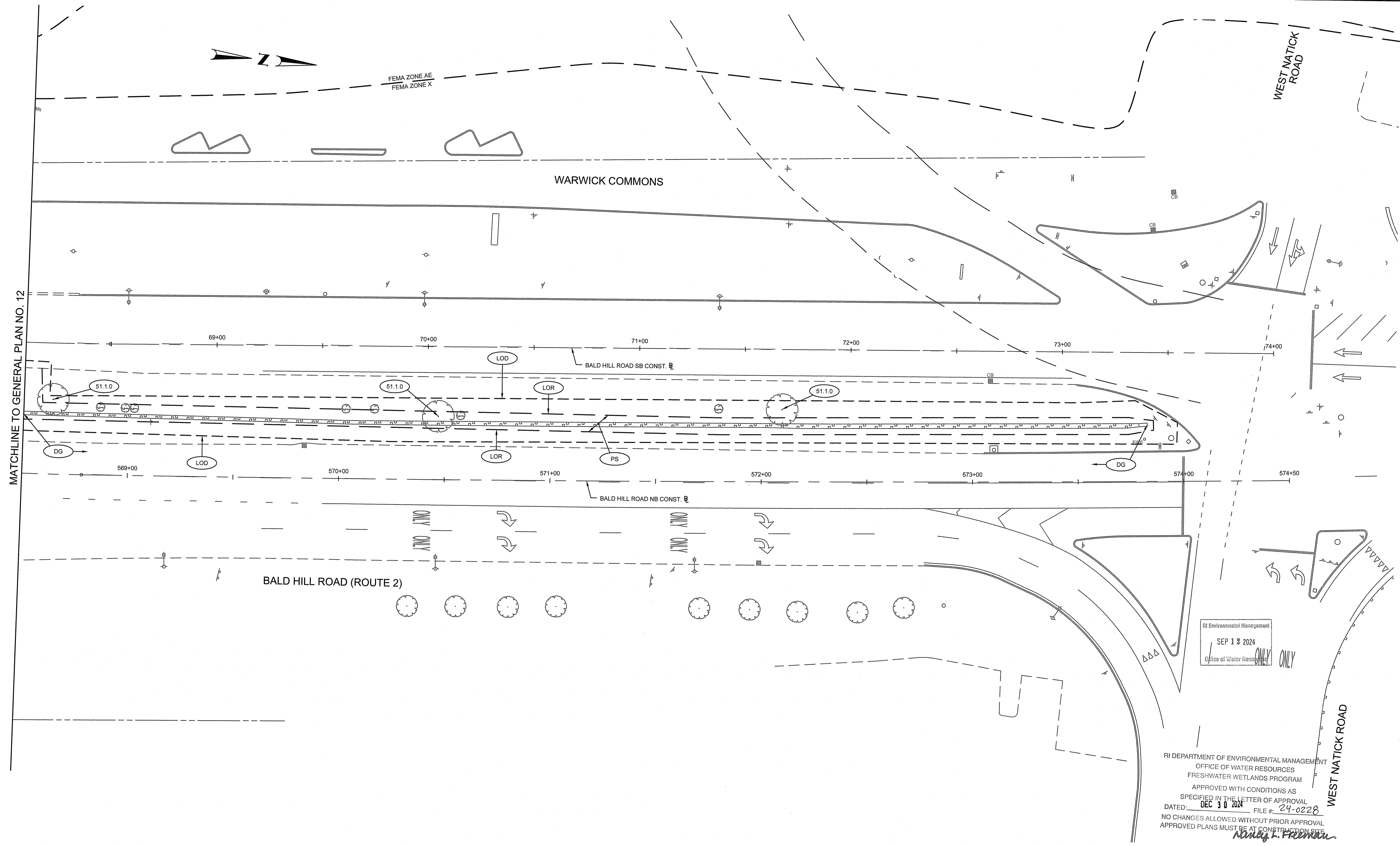
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REVISIONS					
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK RHODE ISLAND

GENERAL PLAN NO. 12
 BALD HILL ROAD (ROUTE 2)

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	20A	102



MATCHLINE TO GENERAL PLAN NO. 12

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 OF: 102

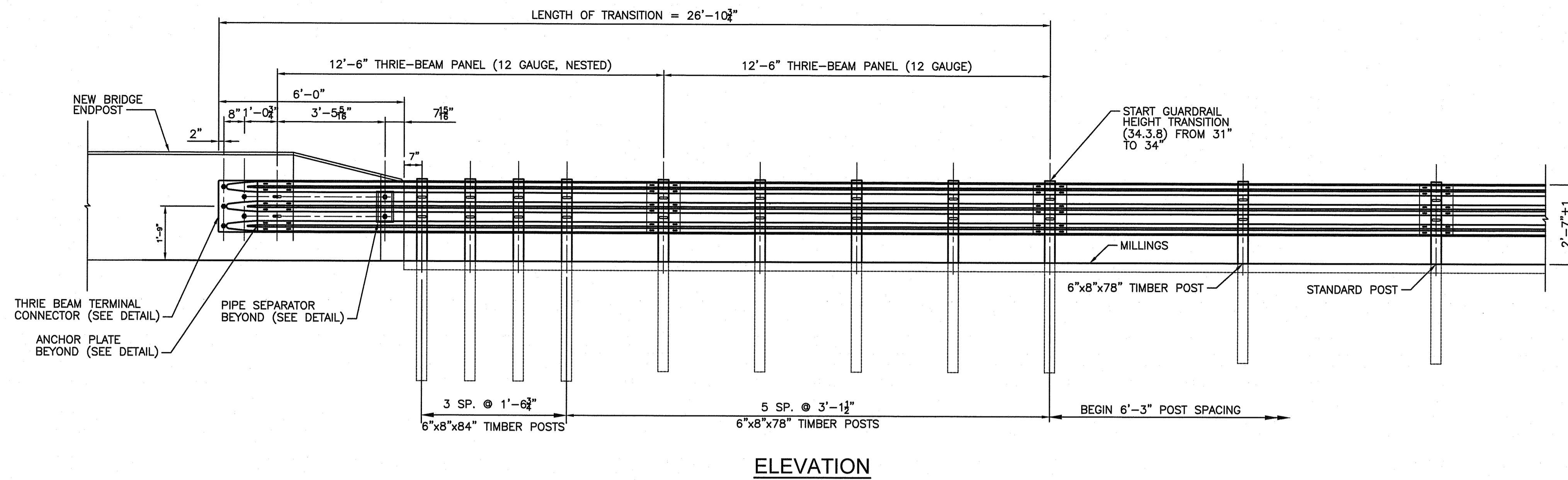
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REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

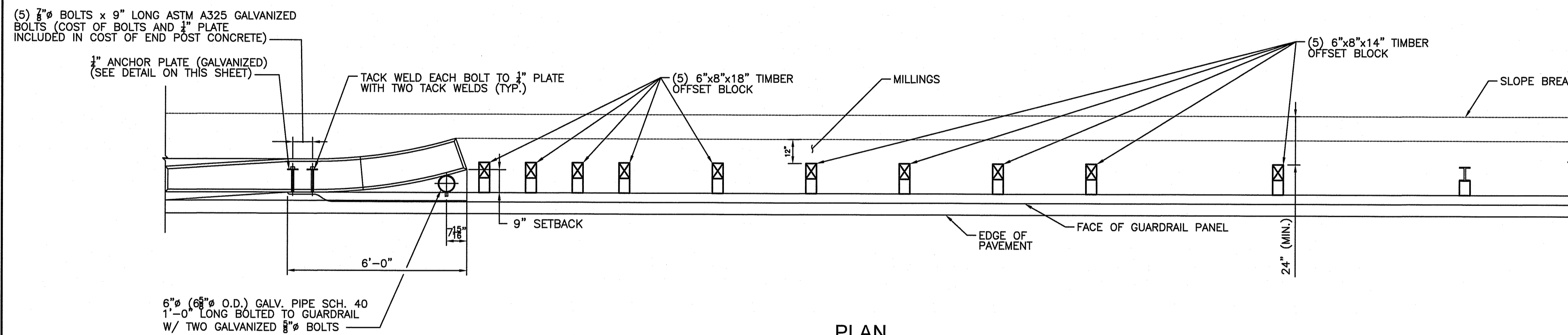
BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND

GENERAL PLAN NO. 12A
 BALD HILL ROAD (ROUTE 2)

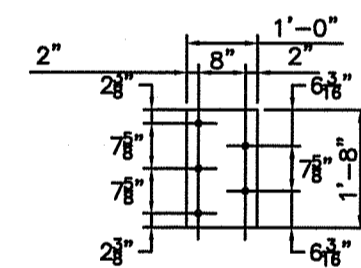
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	22	102



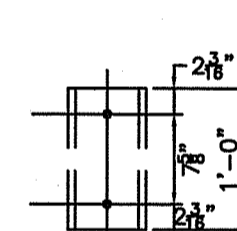
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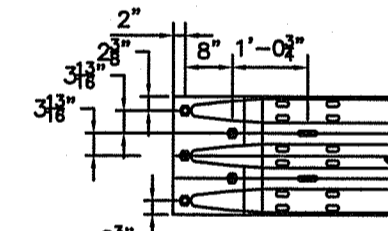
PLAN



ANCHOR PLATE DETAIL



PIPE SEPARATOR DETAIL

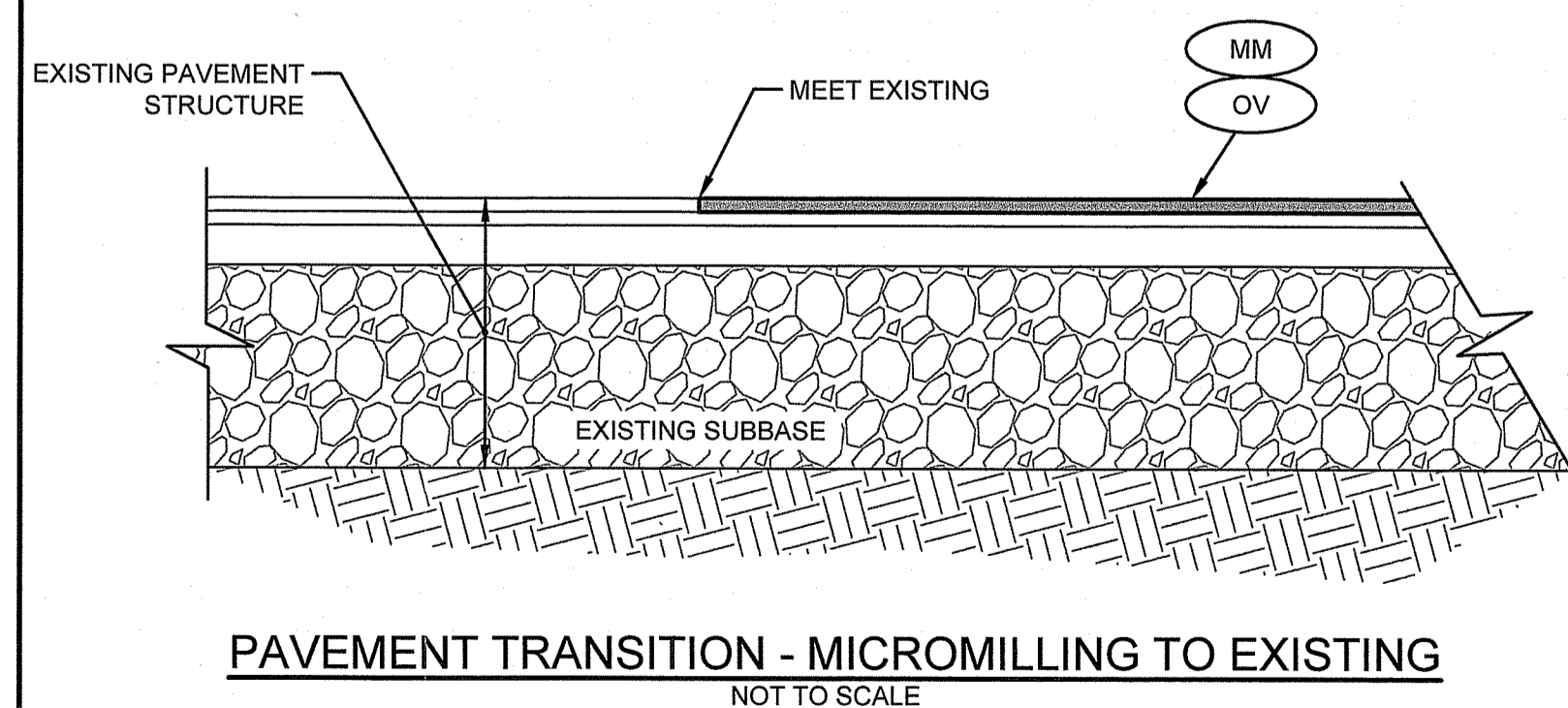


THRIE BEAM TERMINAL CONNECTOR DETAIL

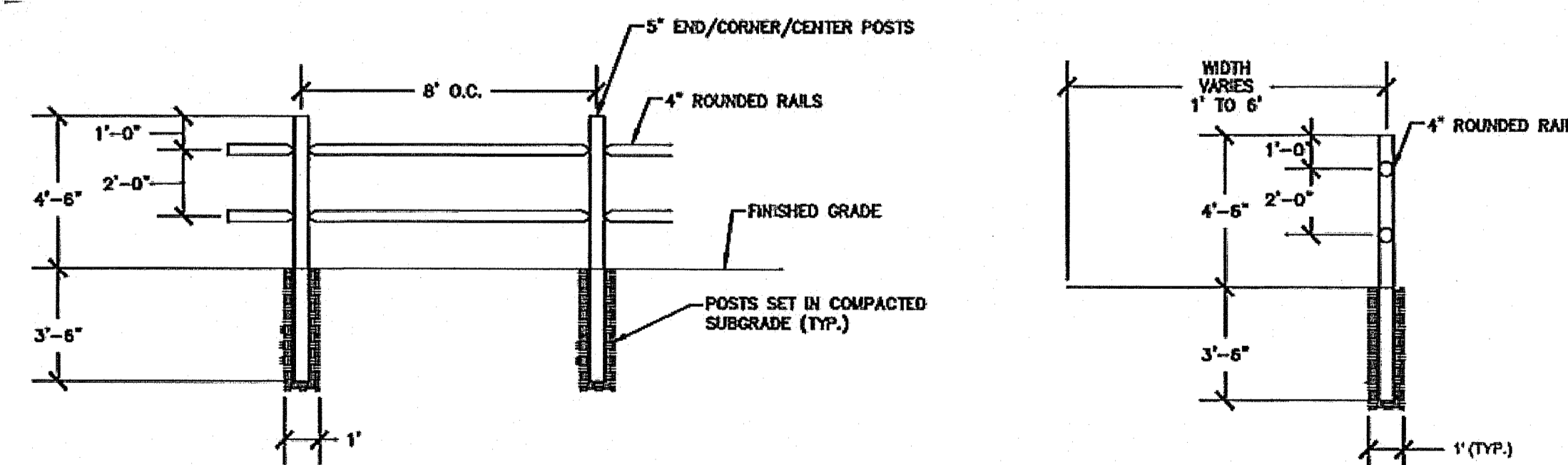
NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE RI STANDARD SPECIFICATIONS.
2. TERMINAL CONNECTOR, GUARDRAIL, POSTS, BRACKETS, ALL HARDWARE, NUTS, BOLTS, WASHERS, DRILLING, AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION ARE INCLUDED AS PART OF THIS STANDARD.
3. MAINTAIN STANDARD 1" CLEARANCE OF POST ABOVE PANEL THROUGHOUT THE ENTIRE LENGTH OF TRANSITION.

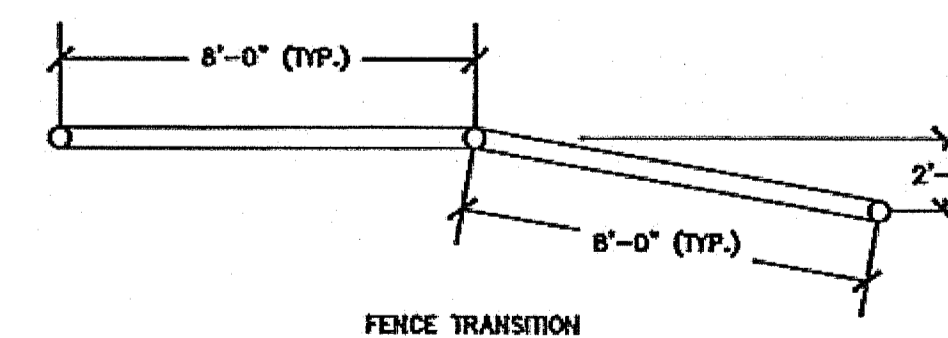
STEEL BEAM GUARDRAIL CONNECTION TO NEW END POST - THRIE BEAM (34.3.4M) NOT TO SCALE



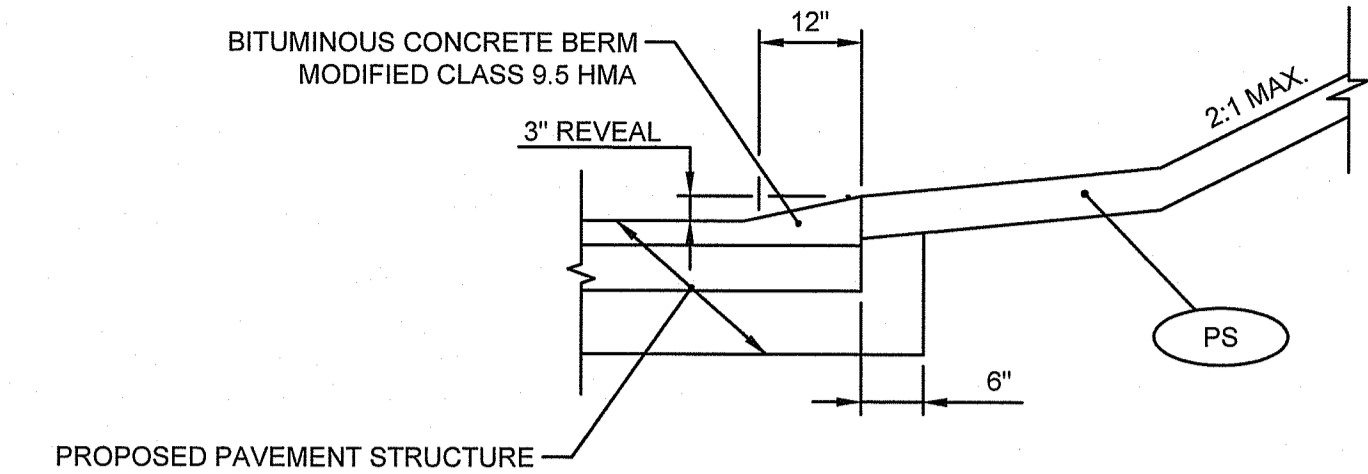
PAVEMENT TRANSITION - MICROMILLING TO EXISTING NOT TO SCALE



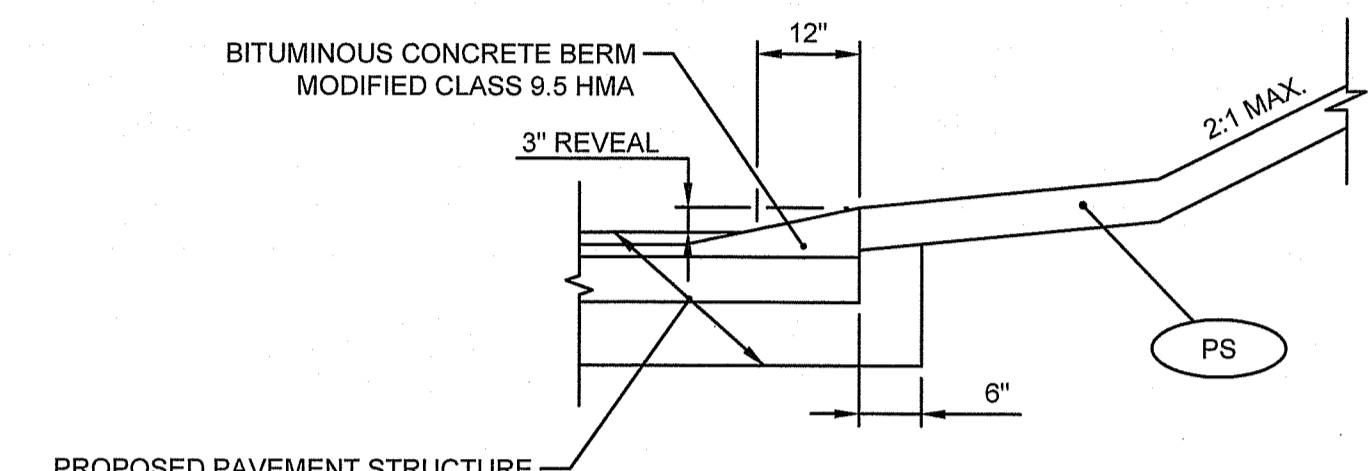
CEDAR POST AND RAIL FENCE (RF)



FENCE TRANSITION



CONSTRUCTION METHOD A



CONSTRUCTION METHOD B

BITUMINOUS BERM NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS
2. SEE R.I. STANDARD 7.5.1 FOR CONSTRUCTION METHOD B DETAILS.

BITUMINOUS BERM CLASS 9.5 (7.5.1) NOT TO SCALE

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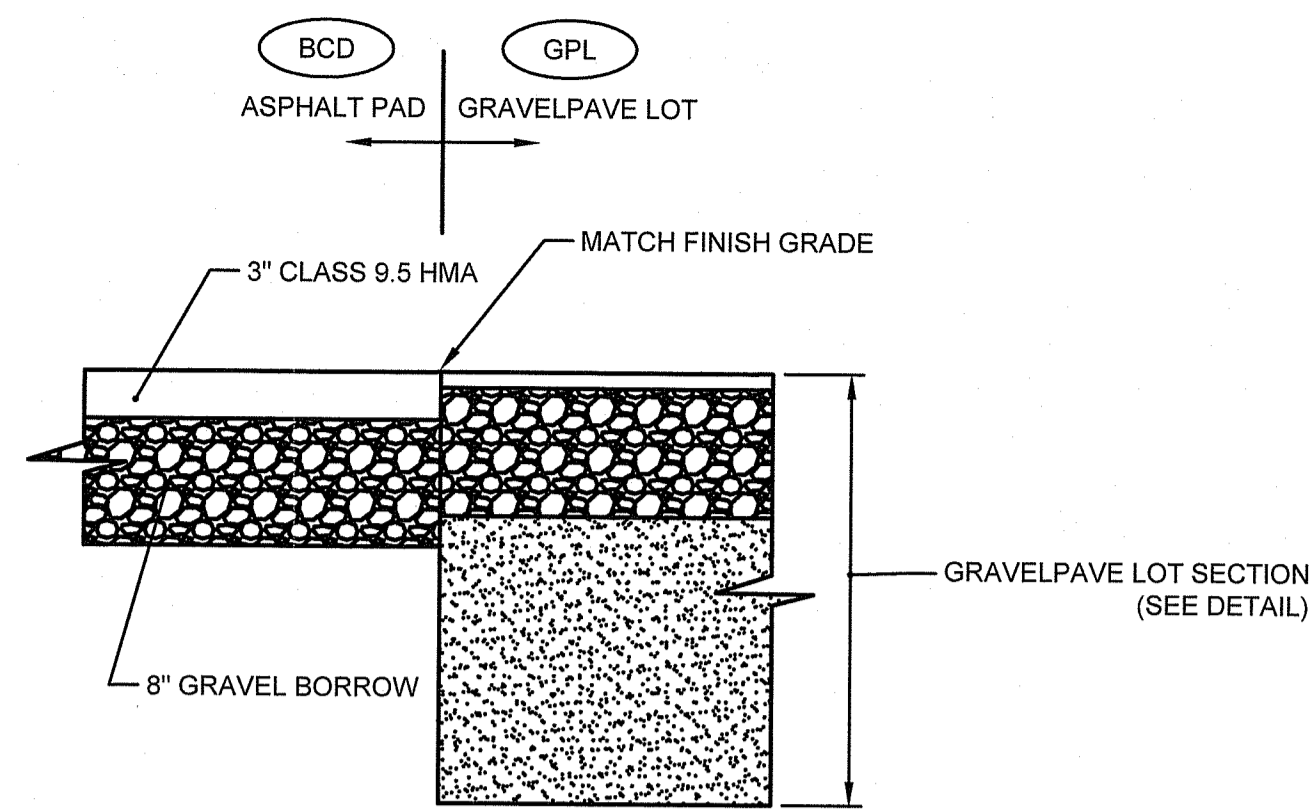
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VOLUME 1

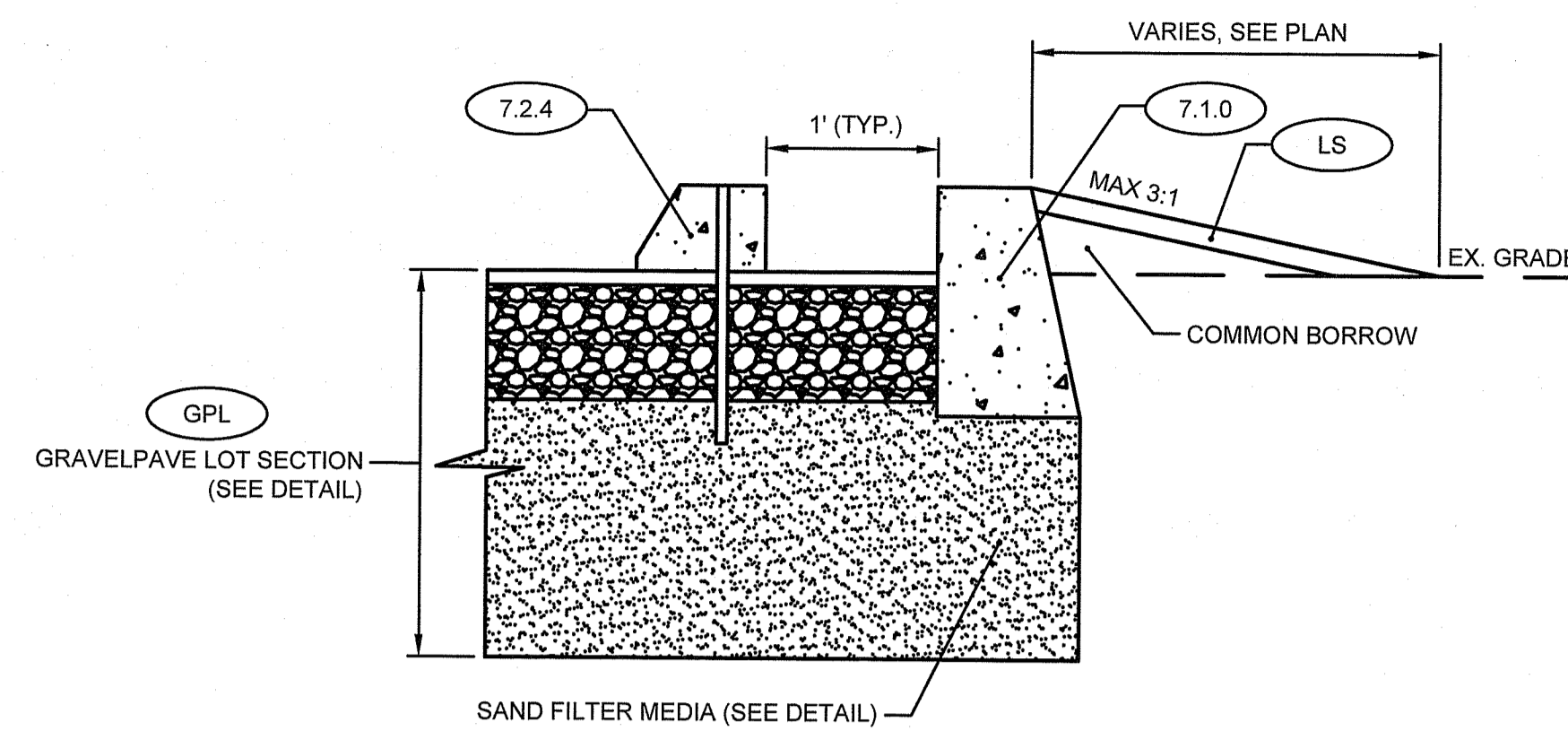
WARWICK/WEST WARWICK

RHODE ISLAND

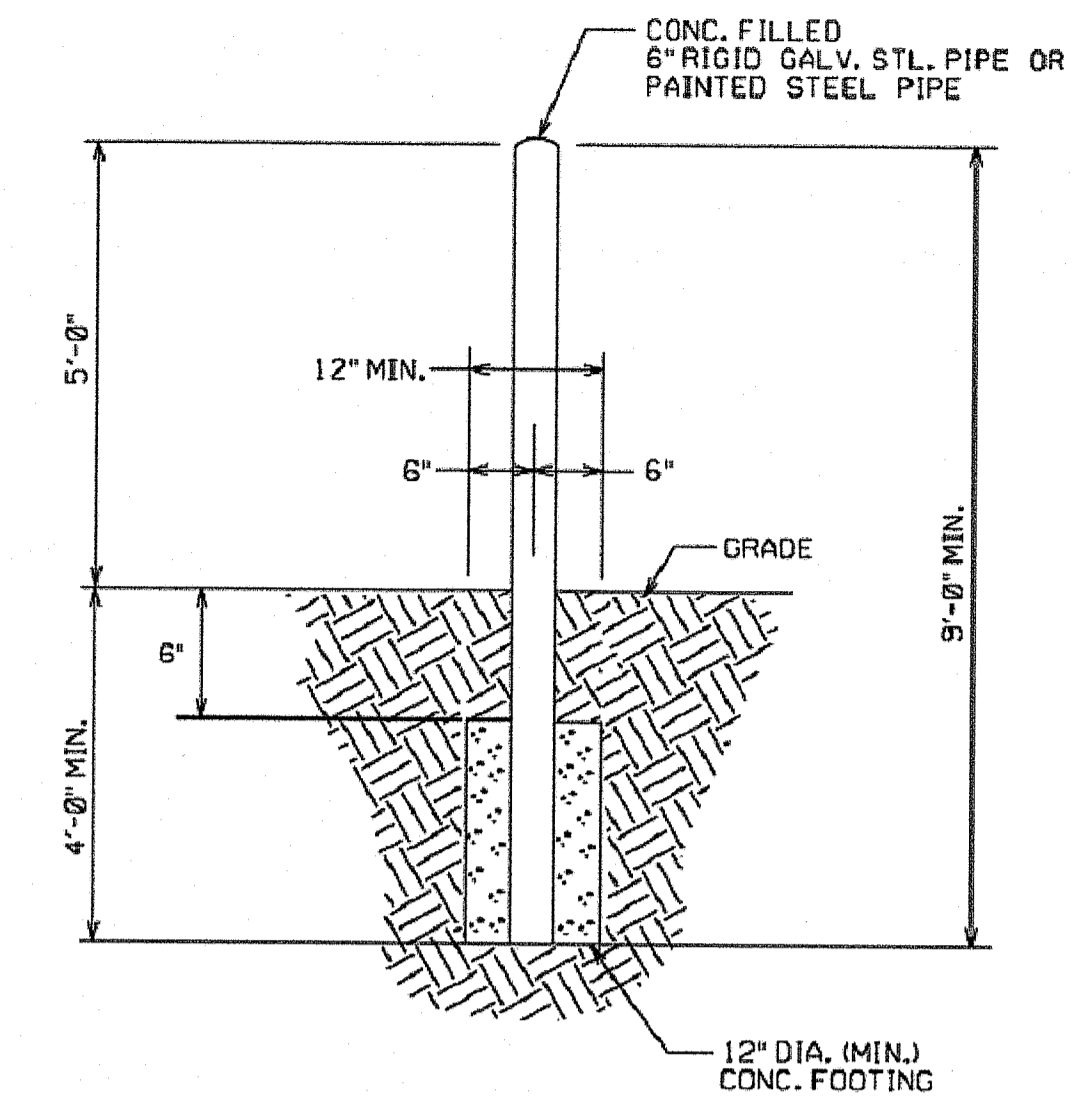
MISCELLANEOUS DETAILS 1



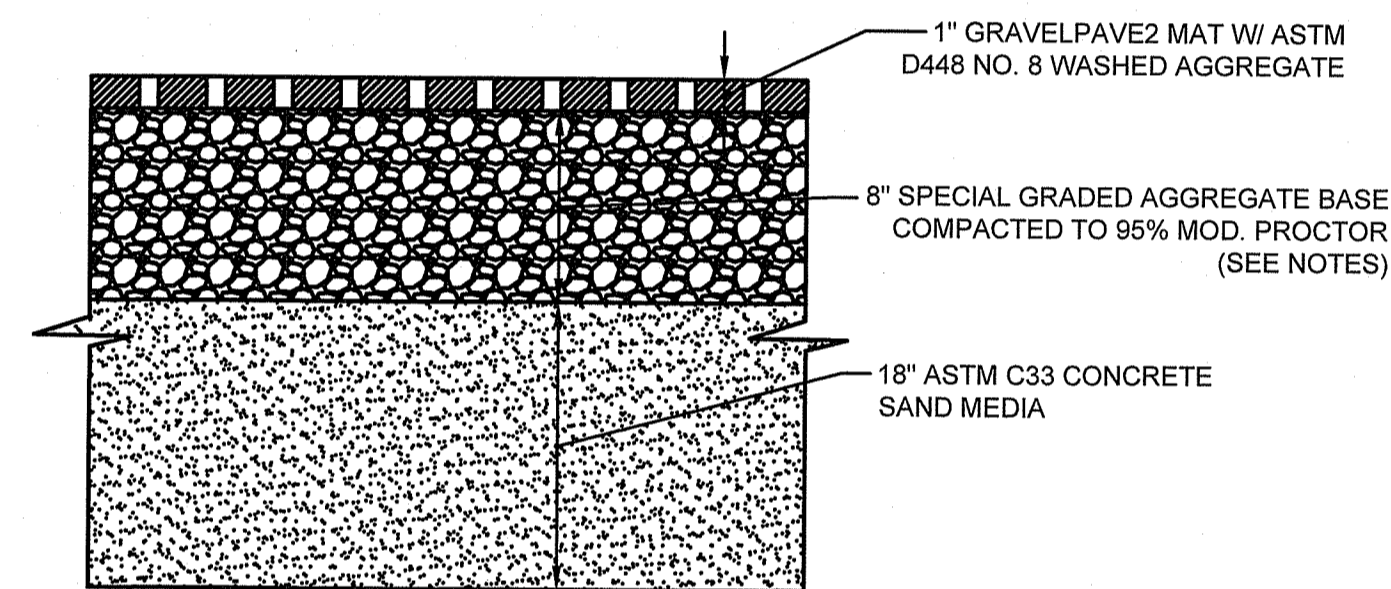
PAD TRANSITION DETAIL
NOT TO SCALE



CURB & CAR STOP SETTING DETAIL
NOT TO SCALE



RHODE ISLAND ENERGY TYPICAL BOLLARD DETAIL (BOL)
NOT TO SCALE



GRAVELPAVE LOTS - PAVEMENT STRUCTURE (GPL)
NOT TO SCALE

NOTES:

- PERMEABLE PAVEMENT STRUCTURE SHALL CONSIST OF GRAVELPAVE2 HIGH-DENSITY POLYETHYLENE (HDPE) UNITS AS MANUFACTURED BY INVISIBLE STRUCTURES, INC. CONSTRUCTED OVER SUITABLE BASE. THE CONTRACTOR SHALL ABIDE BY ALL MANUFACTURER'S REQUIREMENTS FOR MATERIALS AND INSTALLATION UNLESS NOTED OTHERWISE.
- BASE MATERIAL SHALL BE SPECIAL GRADED AGGREGATE MIX IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND CONFORMING TO THE FOLLOWING SIEVE ANALYSIS REQUIREMENTS:
 - 100% PASSING SIEVE SIZE 1 INCH
 - 80-100% PASSING SIEVE SIZE 3/4 INCH
 - 60-80% PASSING SIEVE SIZE 3/8 INCH
 - 40-60% PASSING SIEVE SIZE #4
 - 25-40% PASSING SIEVE SIZE #10
 - 5-25% PASSING SIEVE SIZE #40
 - 0-5% PASSING SIEVE SIZE #200
- BASE MATERIAL SHALL BE INSTALLED IN LIFTS NOT TO EXCEED 6". EACH LIFT SHALL BE COMPACTED SEPARATELY TO 95% MODIFIED PROCTOR.
- GRAVELPAVE2 UNITS SHALL BE FILLED WITH CLEAN, WASHED STONE MEETING THE SPECIFICATIONS FOR ASTM D448 NO. 8 WASHED AGGREGATE.
- SAND FILTER MEDIA SHALL CONSIST OF A MEDIUM SAND MEETING THE SPECIFICATIONS FOR ASTM C33/C33M-18 CONCRETE SAND.
- THE CONTRACTOR SHALL TAKE CARE TO AVOID EXCESS COMPACTION OR USE OF THE GRAVELPAVE LOTS DURING AND FOLLOWING INSTALLATION, INCLUDING THROUGH USE AS EQUIPMENT STORAGE OR MATERIAL STOCKPILE AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REGULAR MAINTENANCE OF THE COMPLETED GRAVELPAVE LOTS DURING CONSTRUCTION IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

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OF: 102

SCALE: AS SHOWN

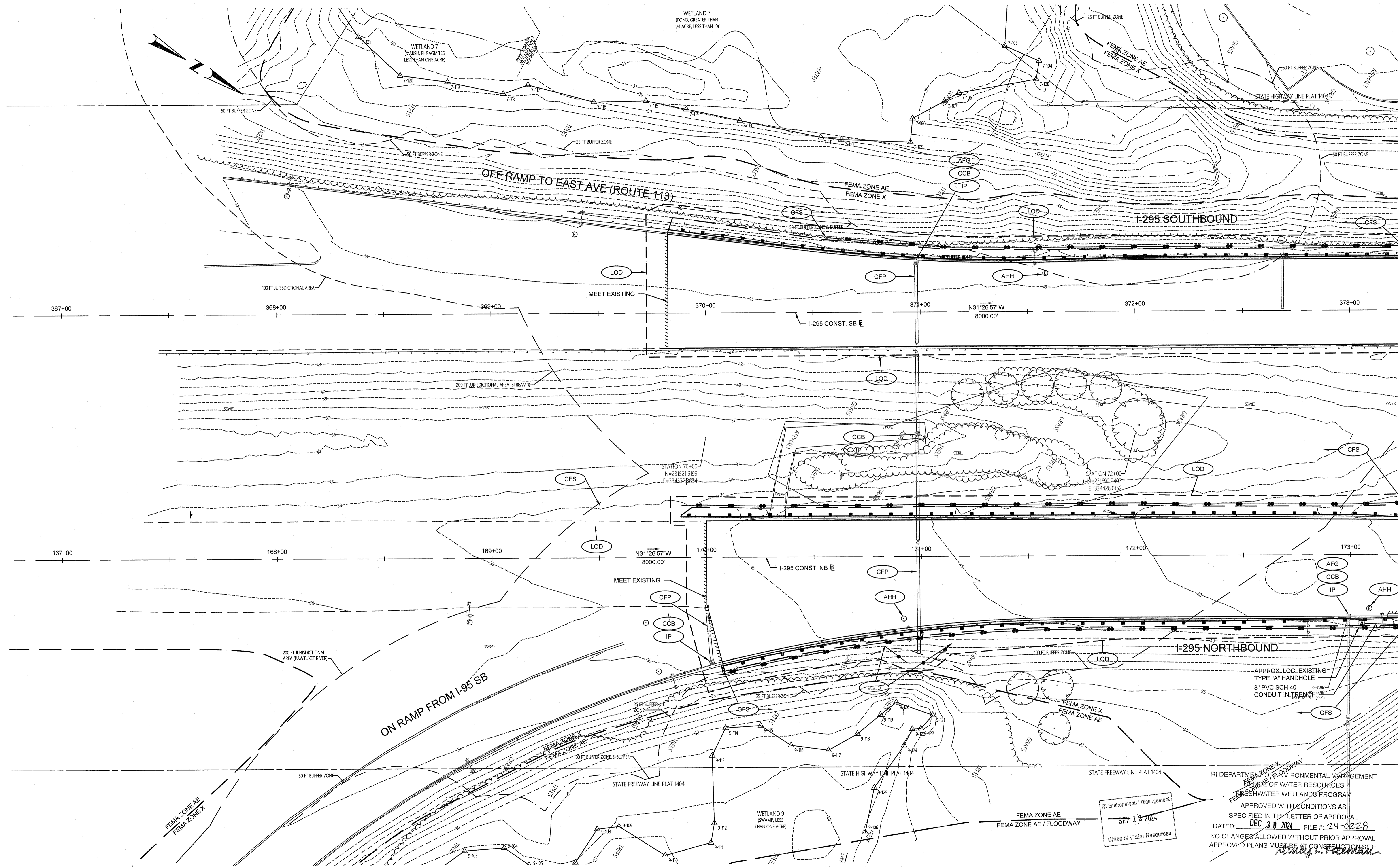
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1

WARWICK/WEST WARWICK

RHODE ISLAND

MISCELLANEOUS DETAILS 2



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 2

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 SHEET: 24
 OF: 102

SCALE: 1"=20'

REVISIONS			REVISIONS		
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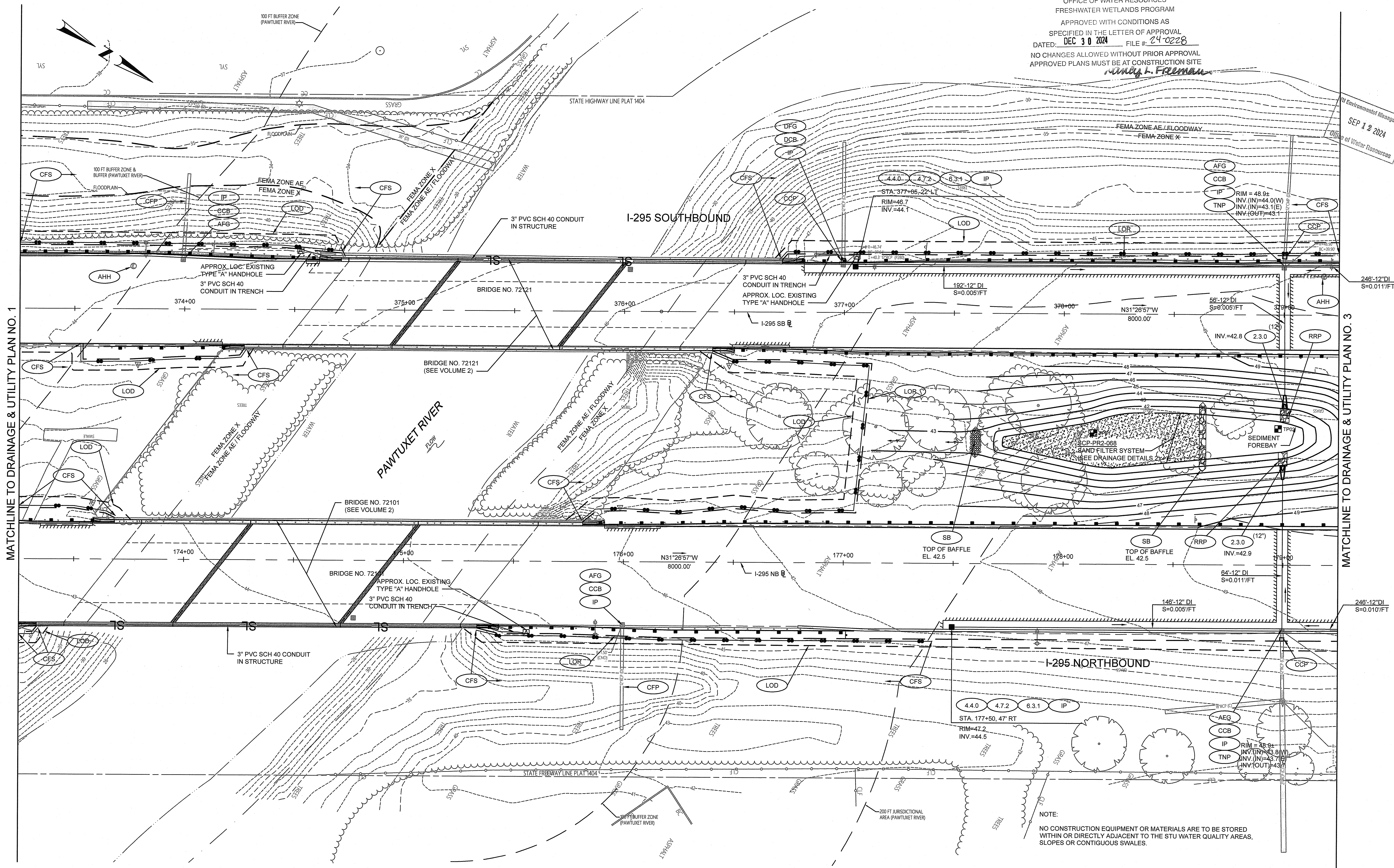
BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

WARWICK/WEST WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 1

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: **DEC 30 2024** FILE #: **24-0228**
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Wendy L. Freeman

RI Environmental Management
 SEP 12 2024
 Office of Water Resources



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 1

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

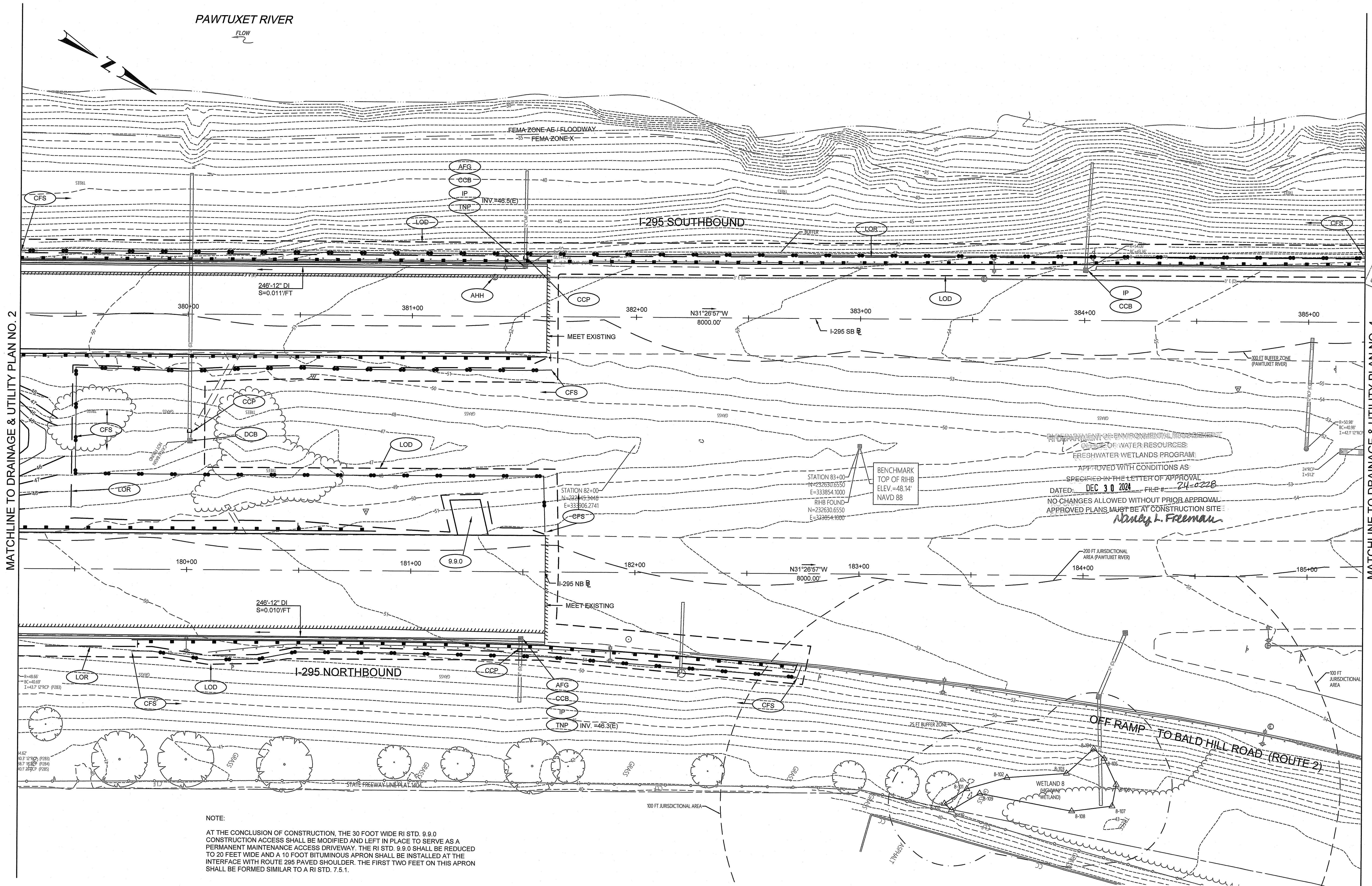
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 DATE: SEPTEMBER 2024
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 OF: 102

SCALE: 1"=20'

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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

DRAINAGE & UTILITY NO. 2



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 2

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 4

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 SEP 12 2024

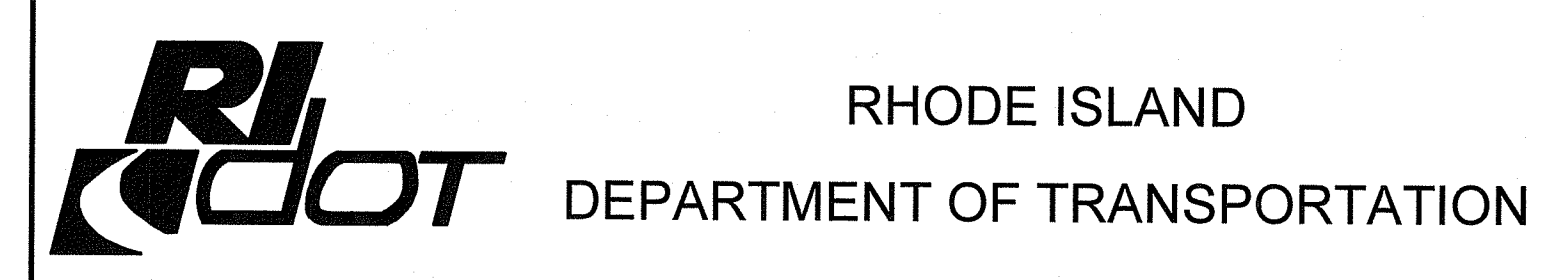
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED: DEC 30 2024 FILE # 24-0228
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 Nancy L. Freeman

BENCHMARK
 TOP OF RIHB
 ELEV. = 46.14'
 NAVD 88

STATION 82+00
 N=222453946
 E=3333052741
 CFS

STATION 83+00
 N=2326306550
 E=3338541000
 RIHB FOUND
 N=2326306550
 E=3338541000

NOTE:
 AT THE CONCLUSION OF CONSTRUCTION, THE 30 FOOT WIDE RI STD. 9.9.0 CONSTRUCTION ACCESS SHALL BE MODIFIED AND LEFT IN PLACE TO SERVE AS A PERMANENT MAINTENANCE ACCESS DRIVEWAY. THE RI STD. 9.9.0 SHALL BE REDUCED TO 20 FEET WIDE AND A 10 FOOT BITUMINOUS APRON SHALL BE INSTALLED AT THE INTERFACE WITH ROUTE 295 PAVED SHOULDER. THE FIRST TWO FEET ON THIS APRON SHALL BE FORMED SIMILAR TO A RI STD. 7.5.1.



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 OF: 102

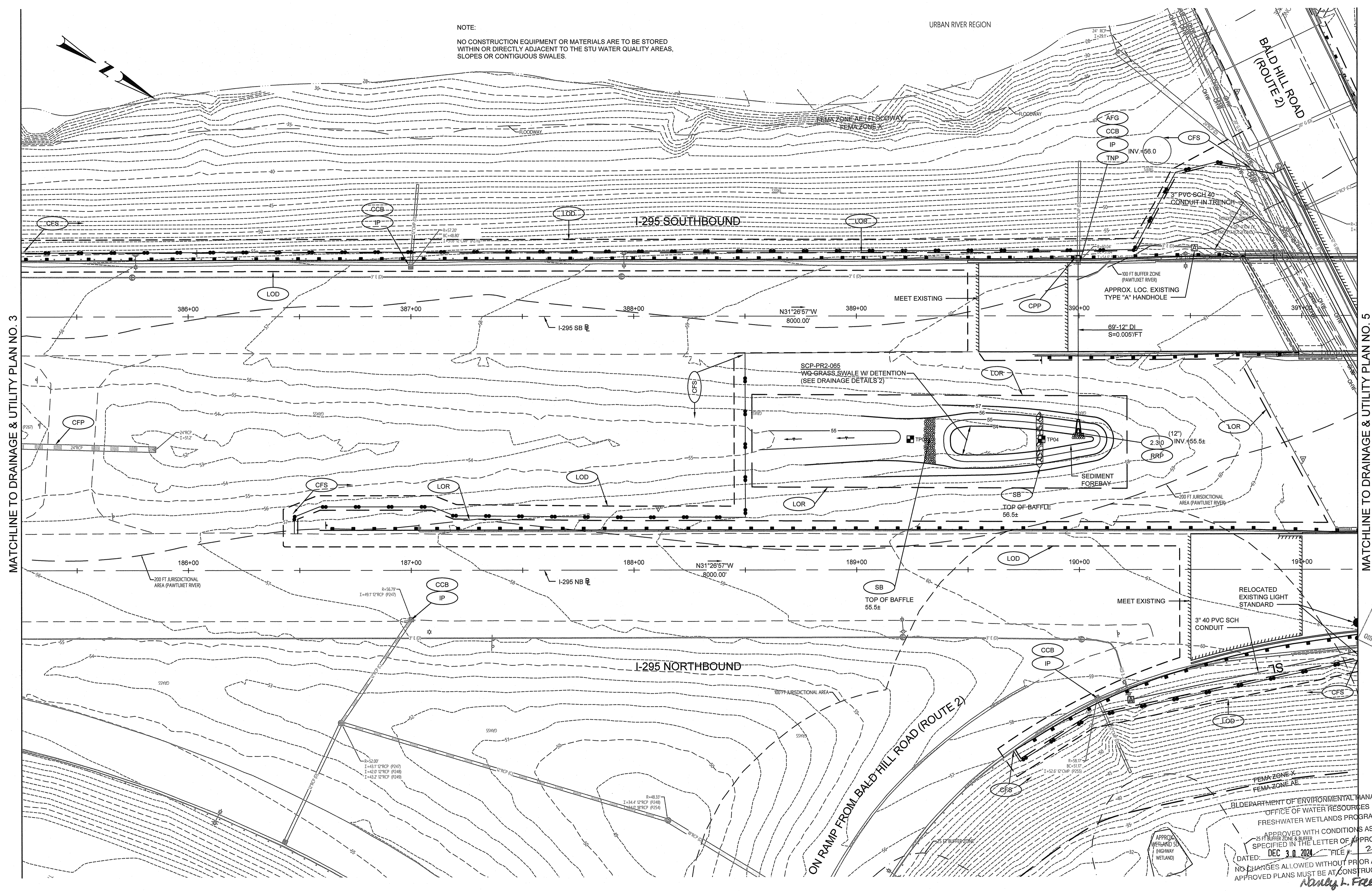
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NO.	DATE	NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND
 DRAINAGE & UTILITY PLAN NO. 3

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	27	102

NOTE:
NO CONSTRUCTION EQUIPMENT OR MATERIALS ARE TO BE STORED WITHIN OR DIRECTLY ADJACENT TO THE STU WATER QUALITY AREAS, SLOPES OR CONTIGUOUS SWALES.



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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DATED: DEC 30 2024 FILE # 24-0228
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

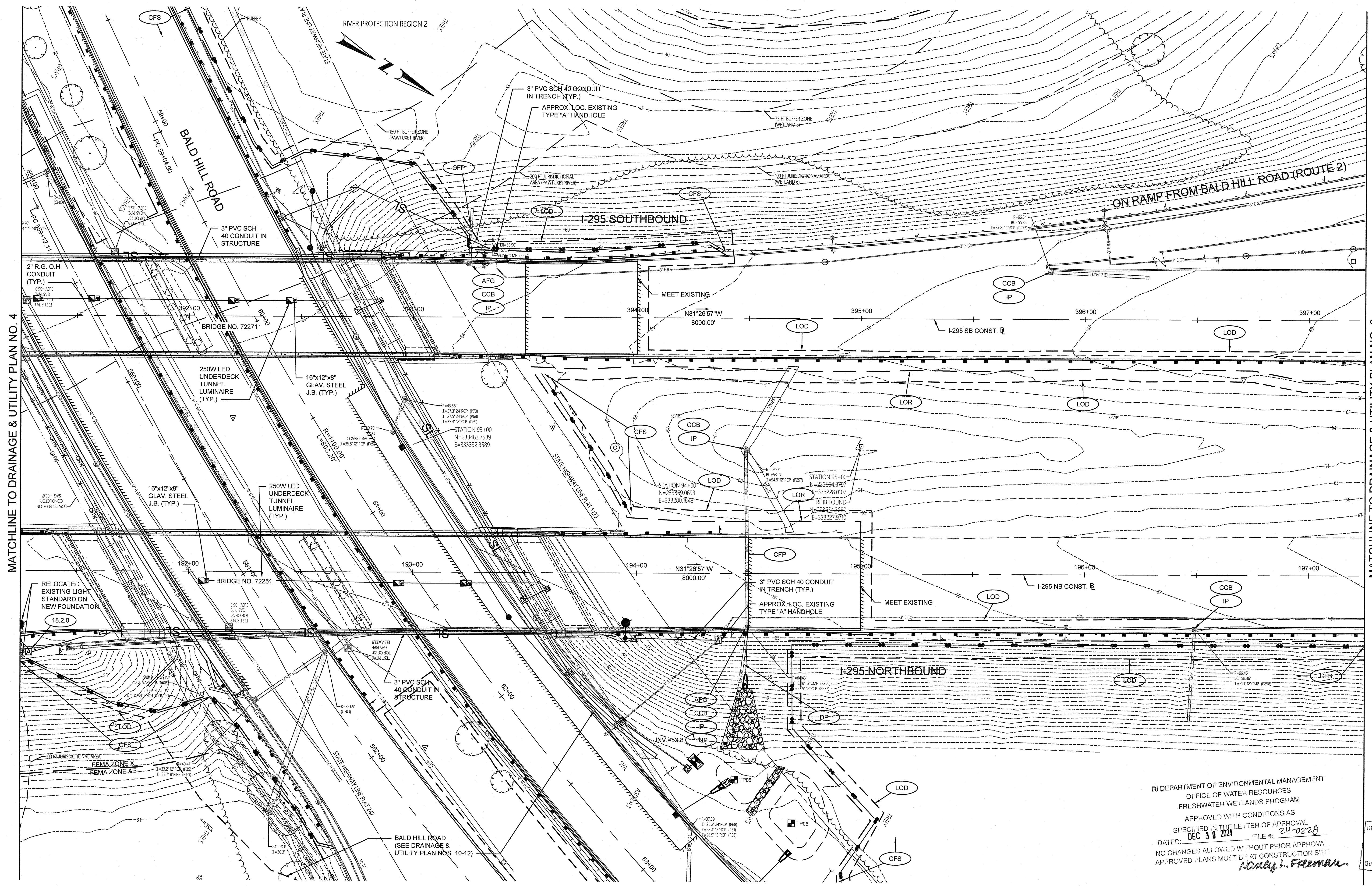
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CHECKED BY:
DATE: SEPTEMBER 2024
SHEET: 27
OF: 102

SCALE: 1"=20'

REVISIONS					
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1

WARWICKWEST WARWICK RHODE ISLAND
DRAINAGE & UTILITY PLAN NO. 4



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 4

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 6

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 DATED: **DEC 30 2024** FILE #: **24-0228**
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Andrey L. Freeman

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 OF: 102

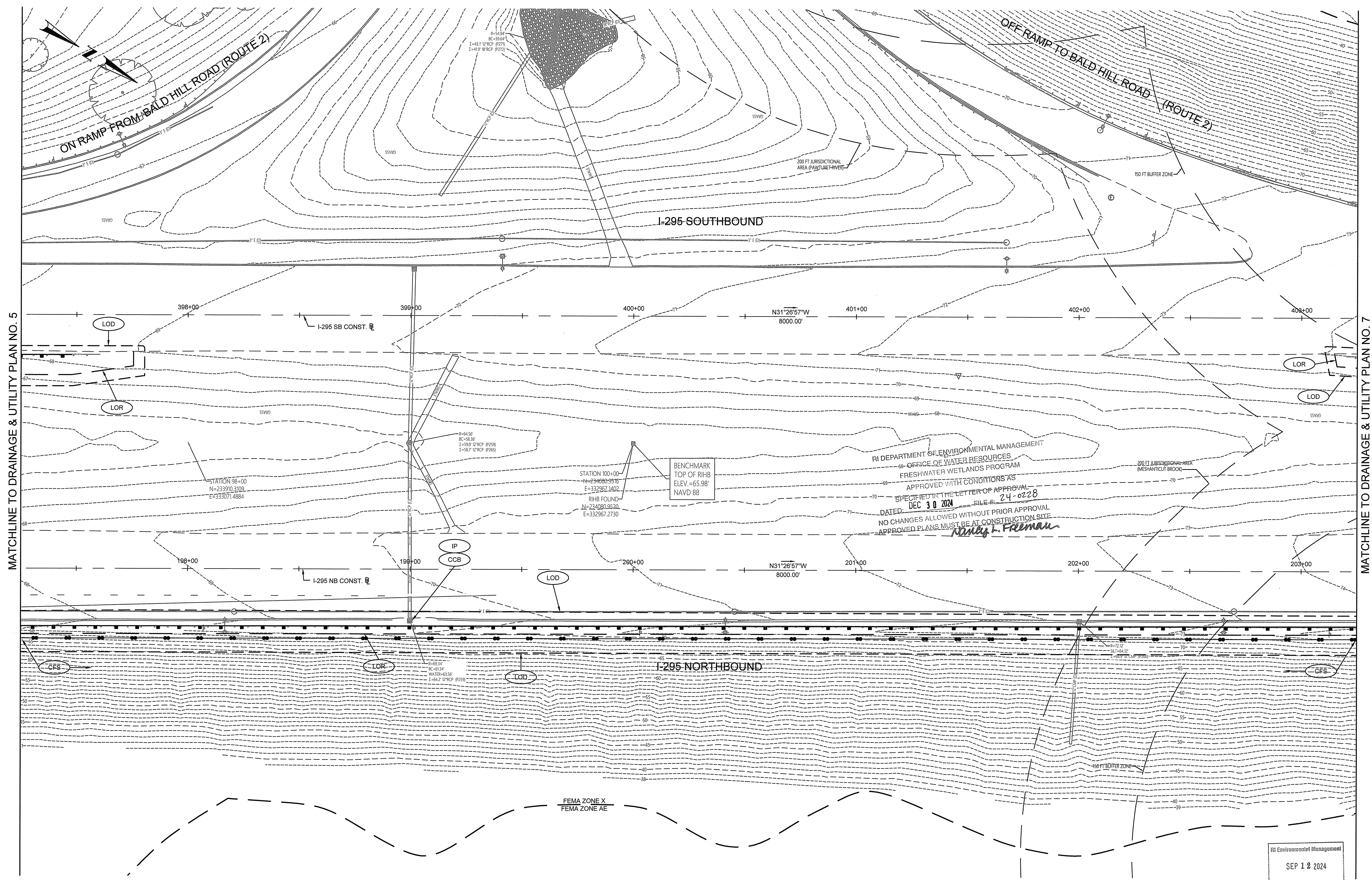
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

WARWICK/WEST WARWICK
 RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 5



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 7

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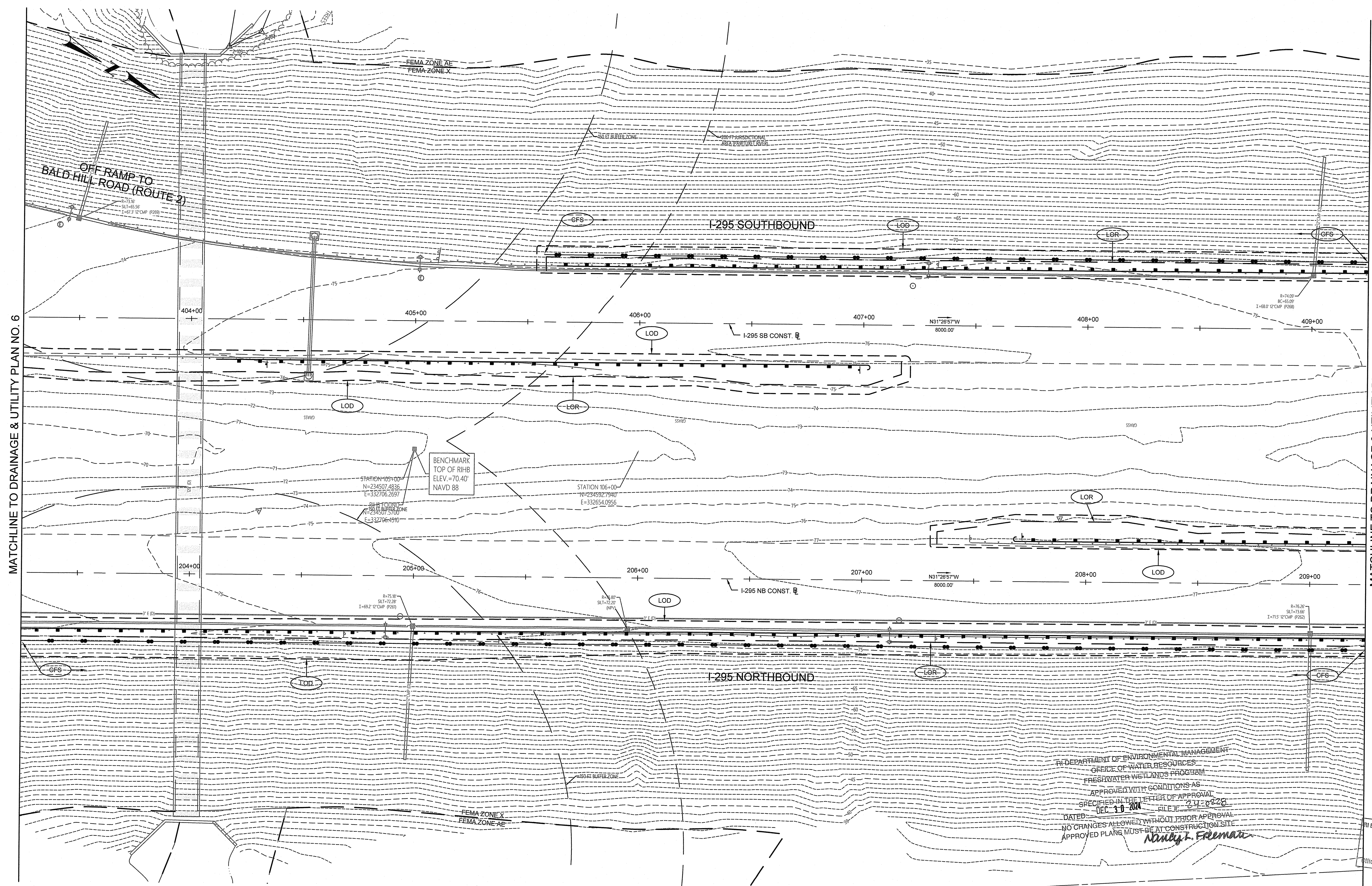
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BRIDGE GROUP 08 - I-295 WAR, WST VOLUME 1

DRAINAGE & UTILITY PLAN NO. 6

RI Environmental Management
SEP 12 2024
Office of Water Resources



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 DATED: DEC 10 2024 FILE # 24-0228
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Nancy J. Freeman

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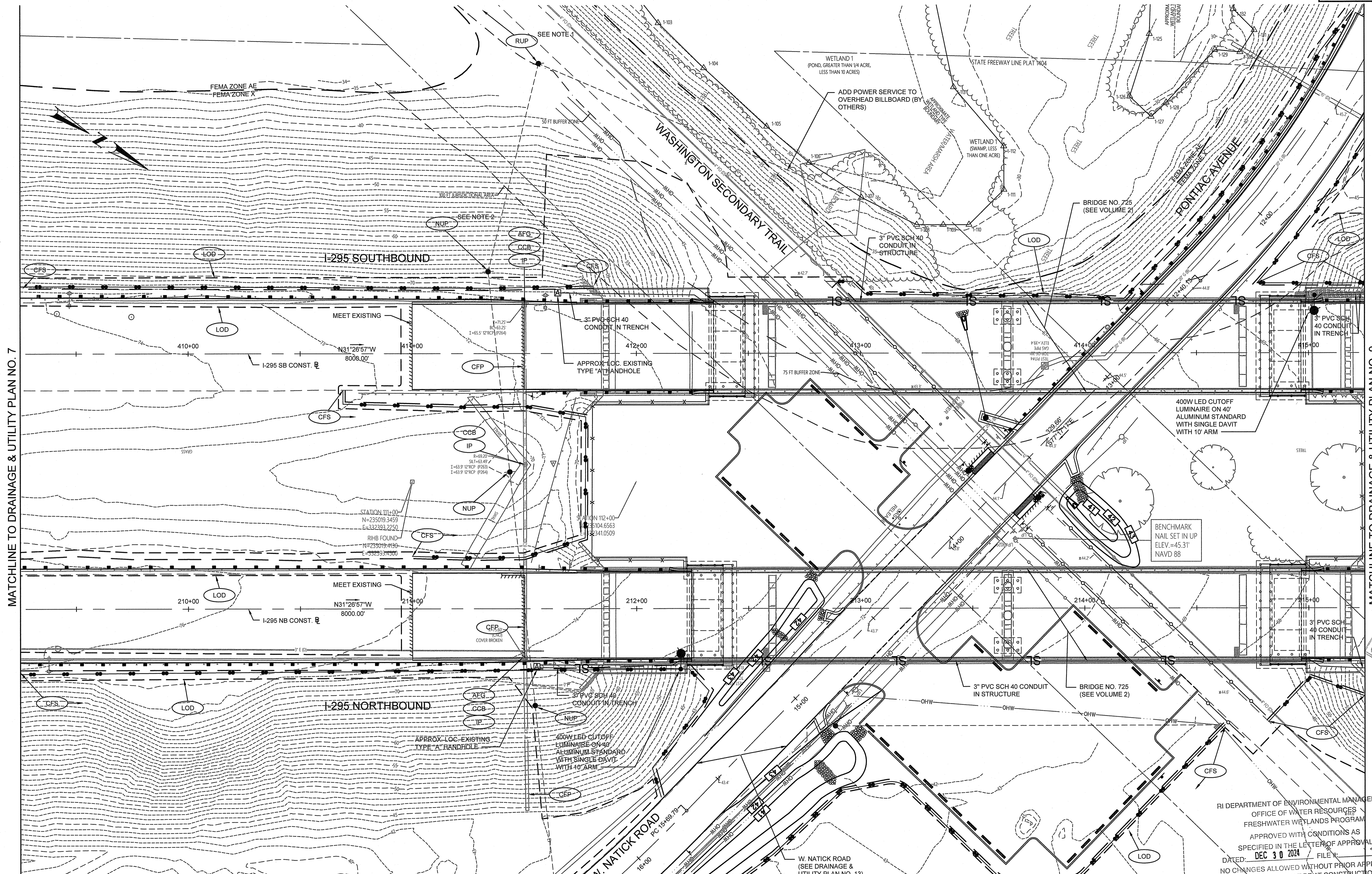
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 OF: 102

SCALE: 1"=20'

REVISIONS				REVISIONS			
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

DRAINAGE & UTILITY PLAN NO. 7



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 7

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 9

- NOTES:
1. ADD PUSH BRACING TO NEW UTILITY POLE LOCATION (BY OTHERS)
 2. ADD GUY ANCHOR(S) TO NEW UTILITY POLE LOCATION (BY OTHERS)

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 DATED: DEC 30 2024 FILE NO. 24-0228
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Nancy K. Freeman

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 Office of Water Resources



RHODE ISLAND
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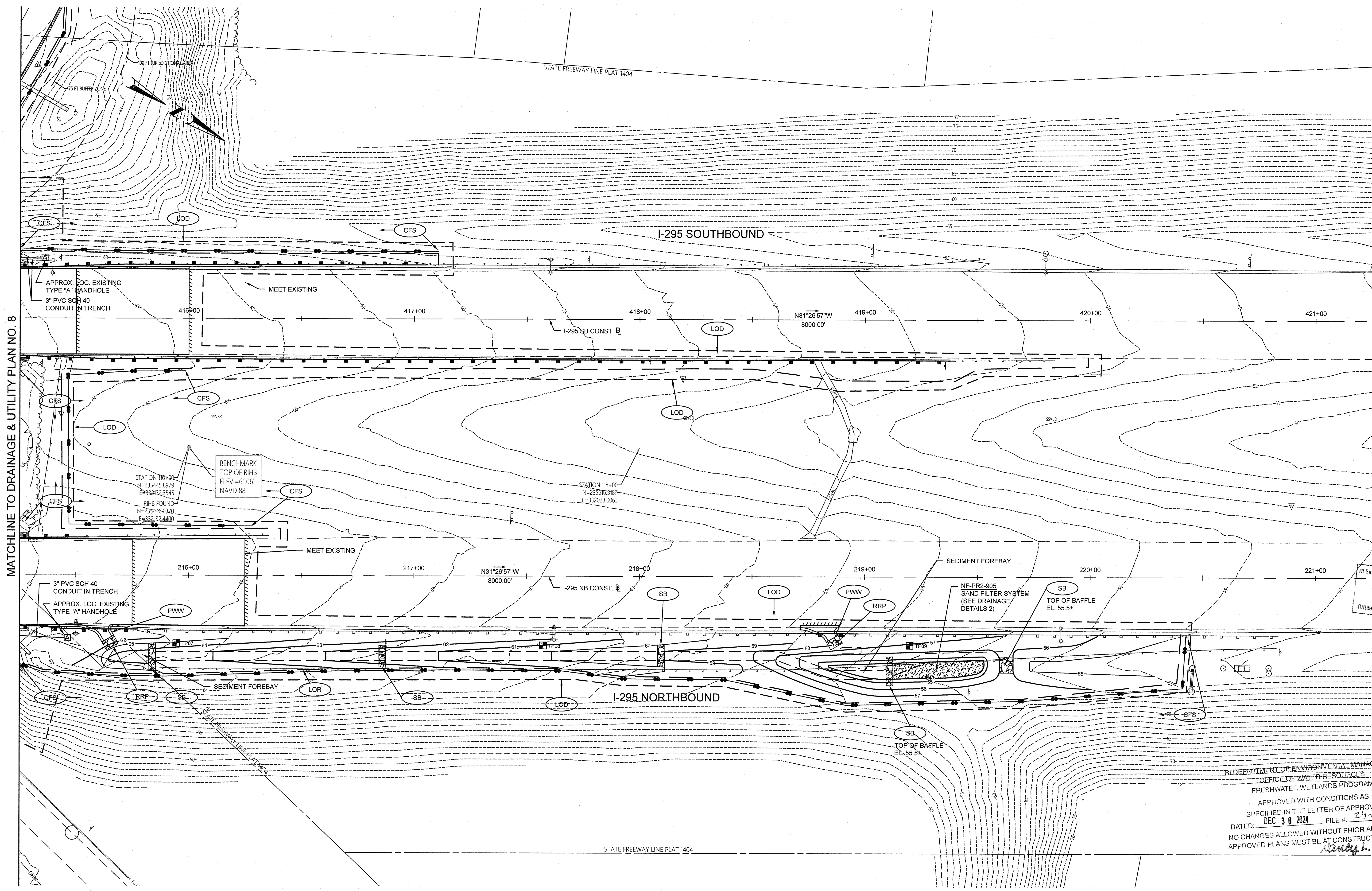
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 OF: 102

SCALE: 1"=20'

REVISIONS					
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

DRAINAGE & UTILITY PLAN NO. 8



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 DATED: DEC 30 2024 FILE #: 24-0228
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Randy L. Freeman

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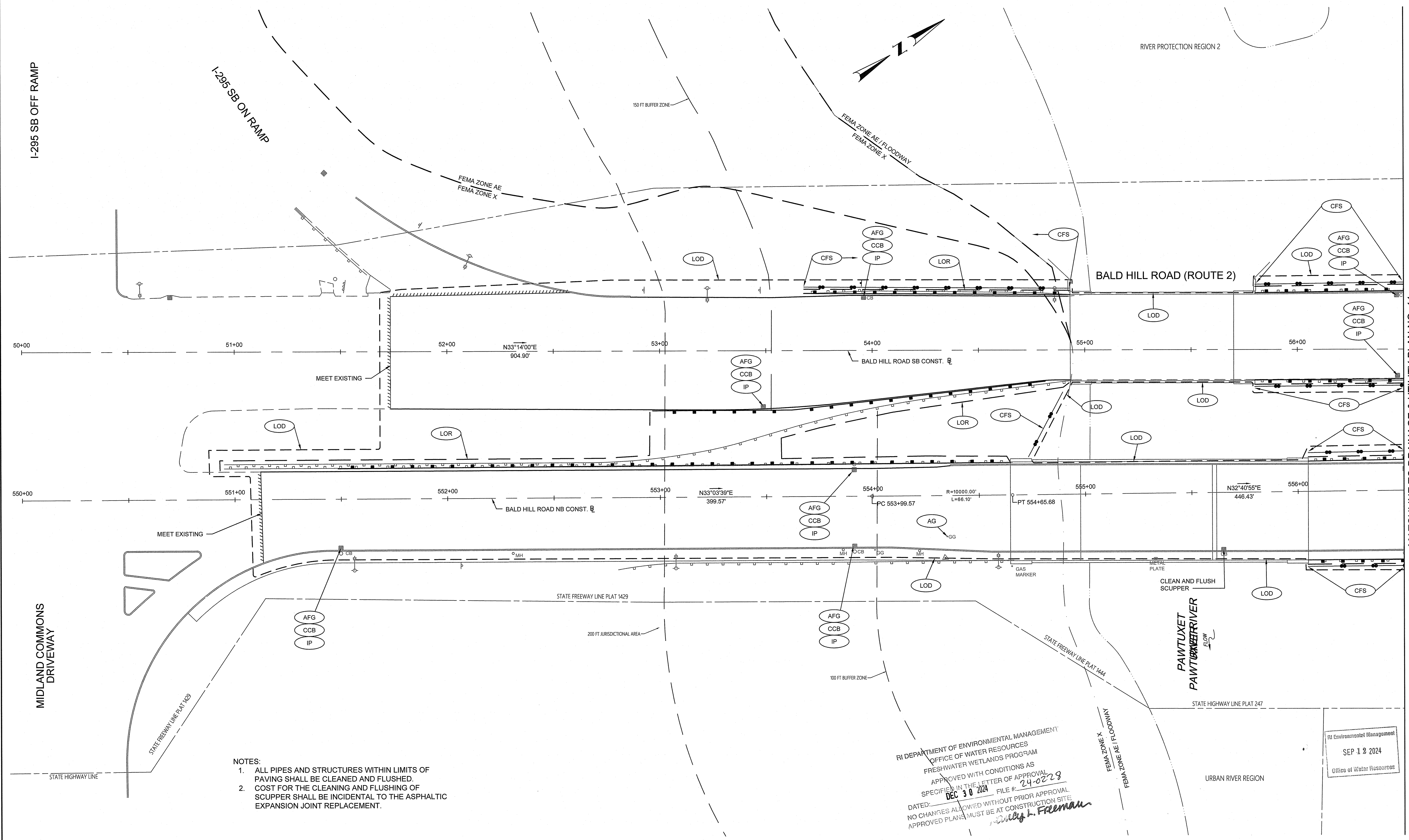
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 OF: 102

SCALE: 1"=20'

SCALE IN FEET					
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REVISIONS					
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

DRAINAGE & UTILITY PLAN NO. 9



- NOTES:
1. ALL PIPES AND STRUCTURES WITHIN LIMITS OF PAVING SHALL BE CLEANED AND FLUSHED.
 2. COST FOR THE CLEANING AND FLUSHING OF SCUPPER SHALL BE INCIDENTAL TO THE ASPHALTIC EXPANSION JOINT REPLACEMENT.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 DATED: **DEC 30 2024** FILE # **24-0228**
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William J. Freeman

RI Environmental Management
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 Office of Water Resources



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 OF: 102

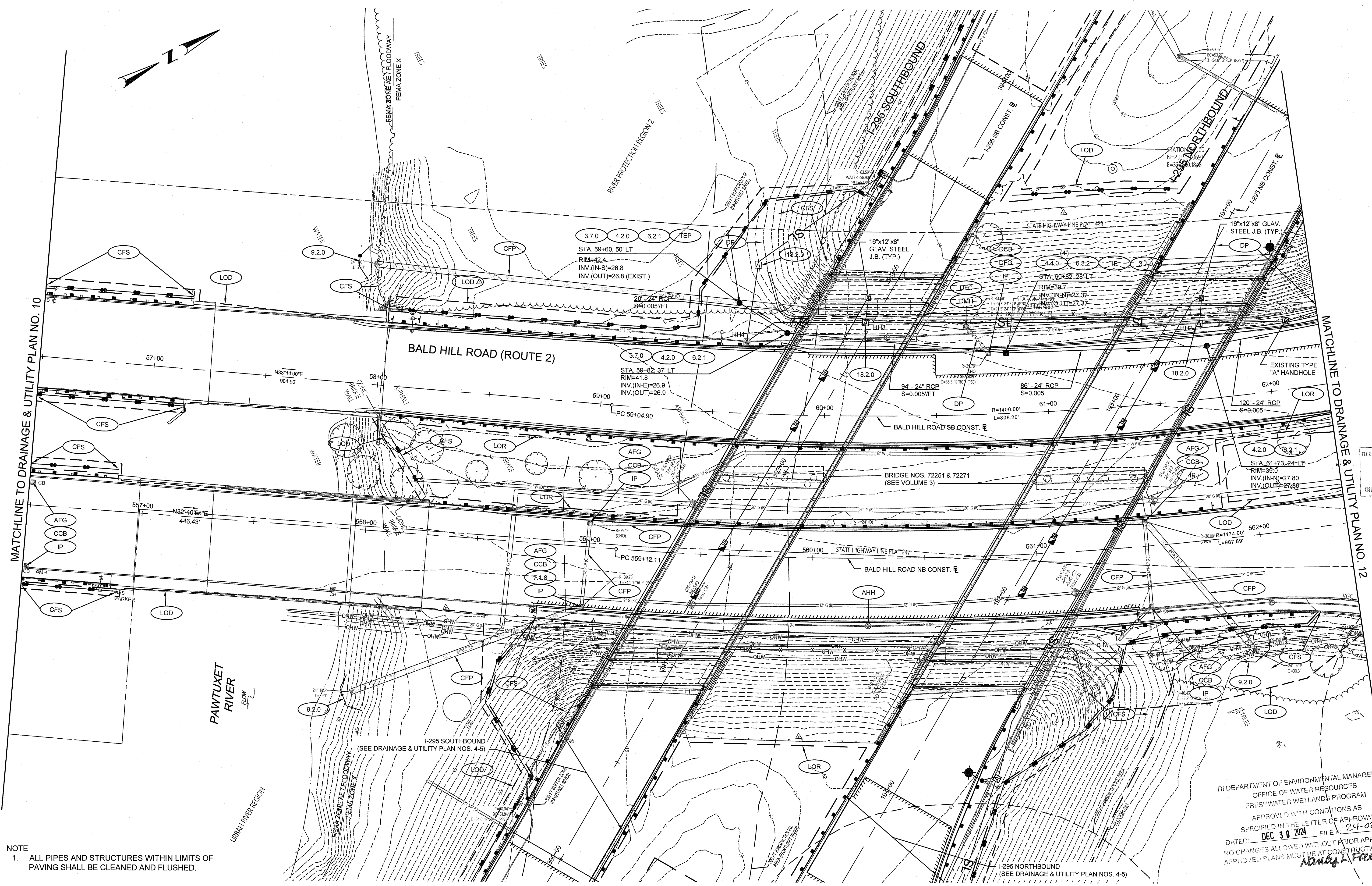
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 10
 BALD HILL ROAD (ROUTE 2)

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	34	102



NOTE
 1. ALL PIPES AND STRUCTURES WITHIN LIMITS OF PAVING SHALL BE CLEANED AND FLUSHED.

RI Department of Environmental Management
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 Office of Water Resources

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Nancy L. Freeman



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 DEPARTMENT OF TRANSPORTATION

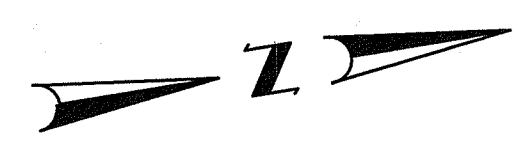
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SCALE: 1"=20'

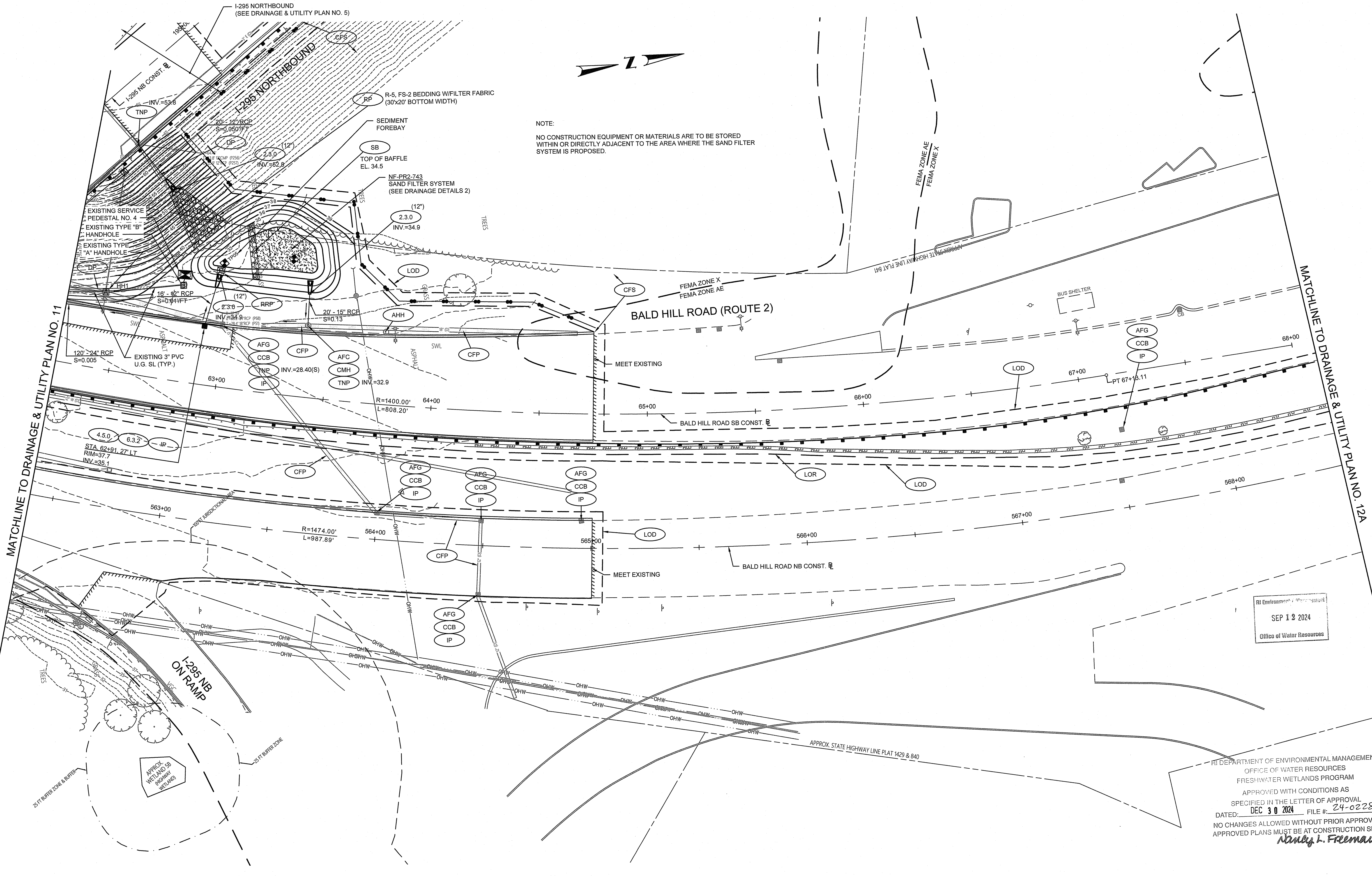
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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1

DRAINAGE & UTILITY PLAN NO. 11
 BALD HILL ROAD (ROUTE 2)



NOTE:
NO CONSTRUCTION EQUIPMENT OR MATERIALS ARE TO BE STORED WITHIN OR DIRECTLY ADJACENT TO THE AREA WHERE THE SAND FILTER SYSTEM IS PROPOSED.



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 11

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 12A

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman

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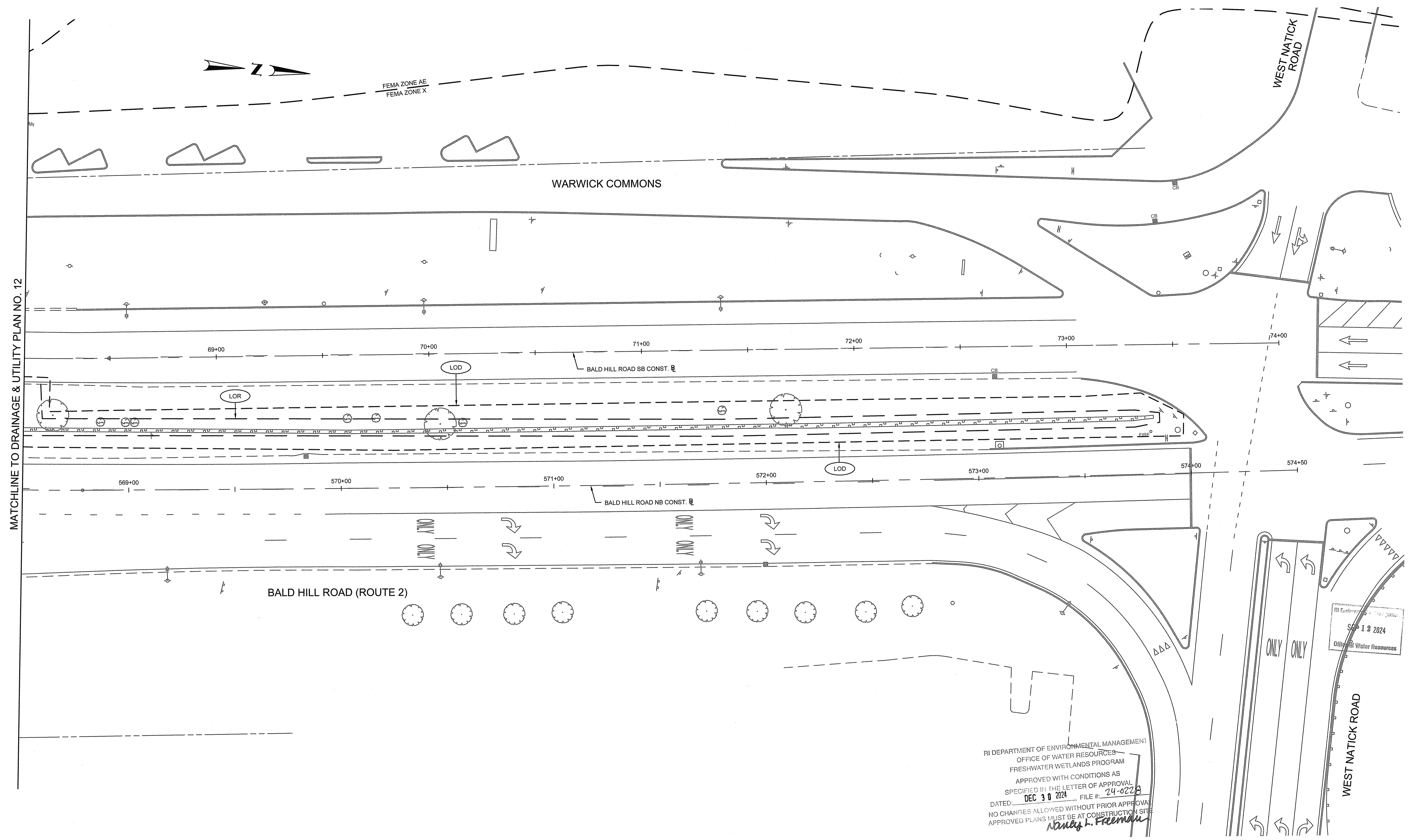
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OF: 102

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BRIDGE GROUP 08 - I-295 WAR, WST
VOLUME 1
WARWICK/WEST WARWICK
RHODE ISLAND
DRAINAGE & UTILITY PLAN NO. 12
BALD HILL ROAD (ROUTE 2)

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	2024	35A	102



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 12

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Emily L. Freeman

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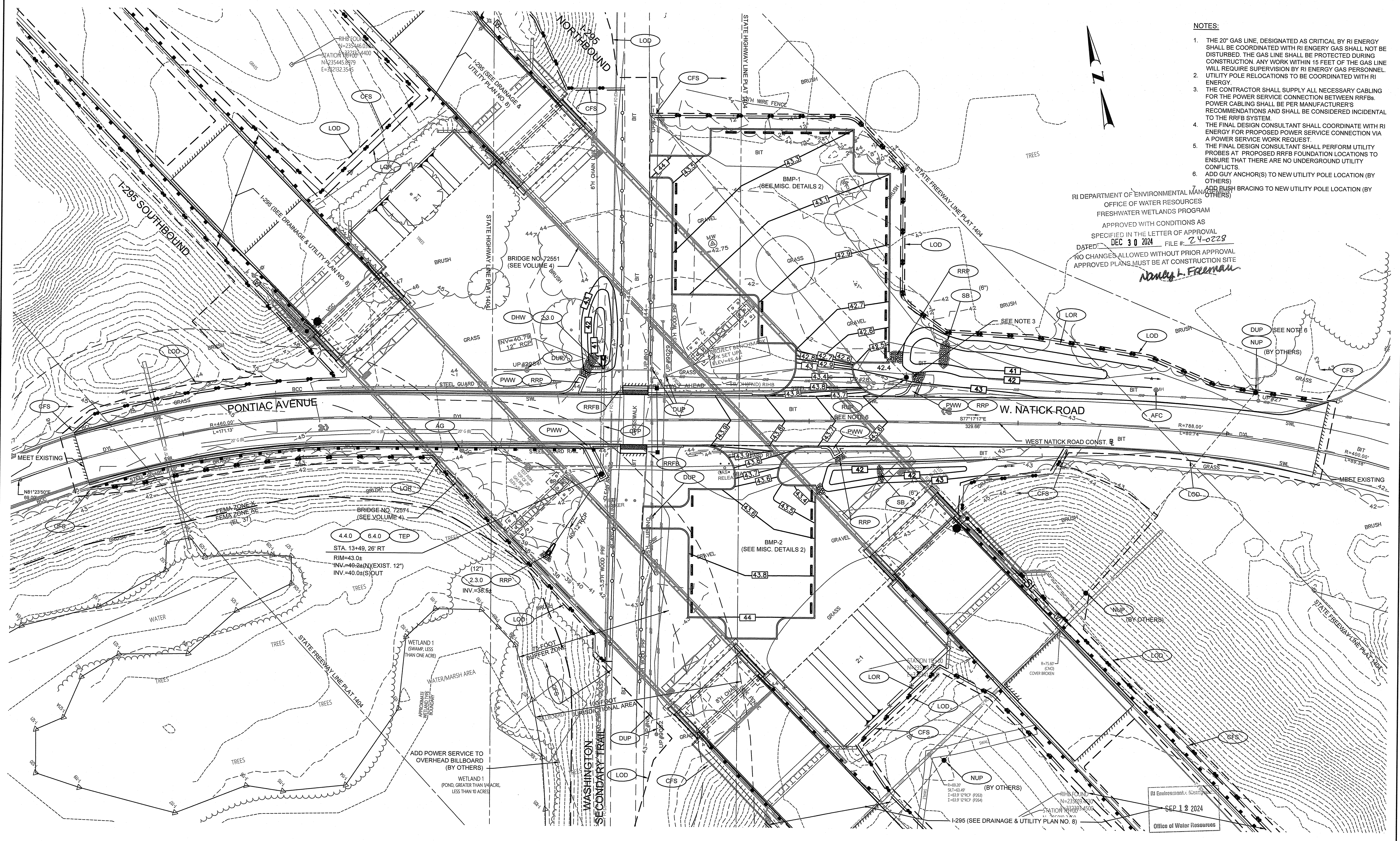
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SCALE: 1"=20'

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BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 12A
 BALD HILL ROAD (ROUTE 2)



NOTES:

- THE 20" GAS LINE, DESIGNATED AS CRITICAL BY RI ENERGY SHALL BE COORDINATED WITH RI ENERGY GAS SHALL NOT BE DISTURBED. THE GAS LINE SHALL BE PROTECTED DURING CONSTRUCTION. ANY WORK WITHIN 15 FEET OF THE GAS LINE WILL REQUIRE SUPERVISION BY RI ENERGY GAS PERSONNEL.
- UTILITY POLE RELOCATIONS TO BE COORDINATED WITH RI ENERGY.
- THE CONTRACTOR SHALL SUPPLY ALL NECESSARY CABLING FOR THE POWER SERVICE CONNECTION BETWEEN RRFBS. POWER CABLING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SHALL BE CONSIDERED INCIDENTAL TO THE RRFB SYSTEM.
- THE FINAL DESIGN CONSULTANT SHALL COORDINATE WITH RI ENERGY FOR PROPOSED POWER SERVICE CONNECTION VIA A POWER SERVICE WORK REQUEST.
- THE FINAL DESIGN CONSULTANT SHALL PERFORM UTILITY PROBES AT PROPOSED RRFB FOUNDATION LOCATIONS TO ENSURE THAT THERE ARE NO UNDERGROUND UTILITY CONFLICTS.
- ADD GUY ANCHOR(S) TO NEW UTILITY POLE LOCATION (BY OTHERS)
 ADD BRUSH BRACING TO NEW UTILITY POLE LOCATION (BY OTHERS)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 OF: 102

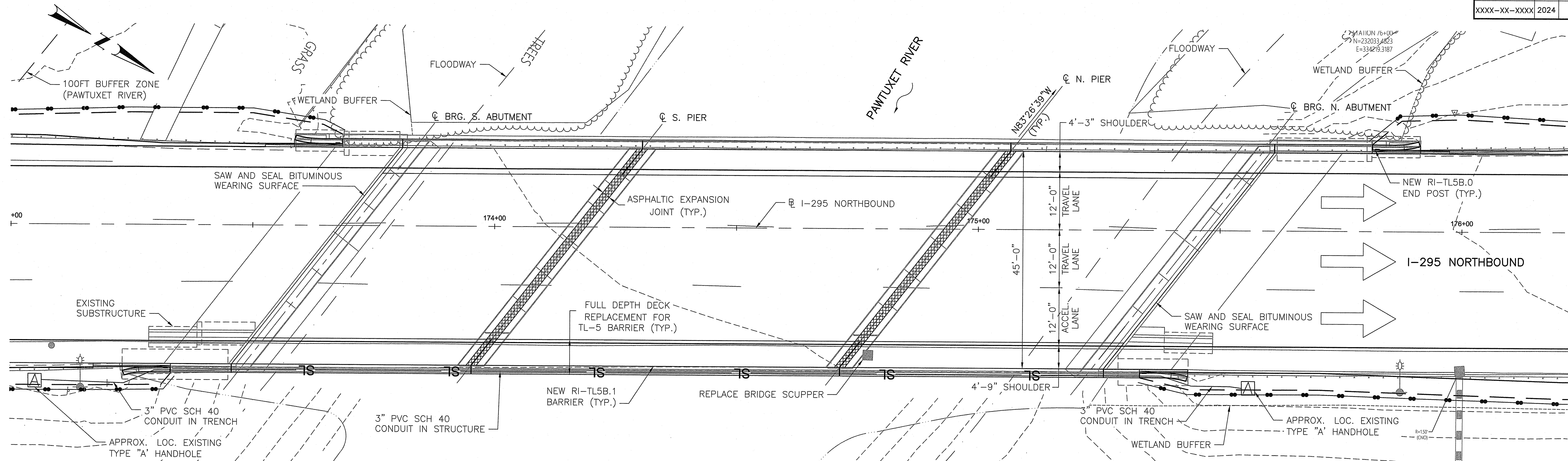
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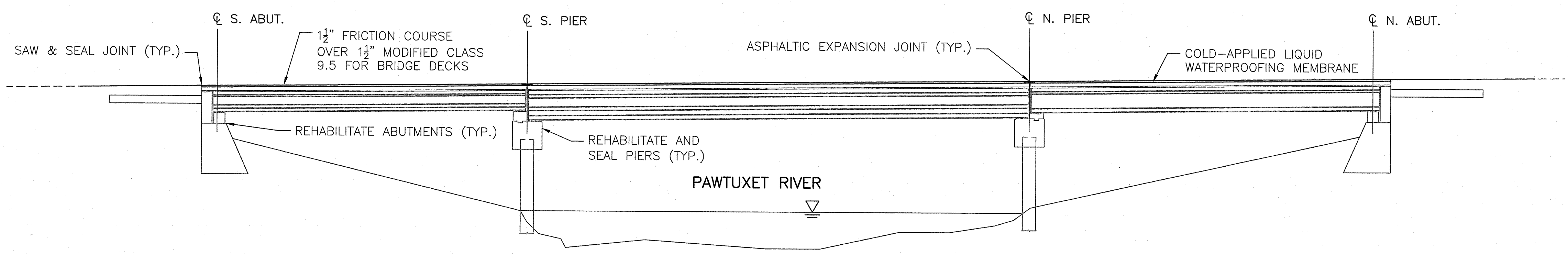
BRIDGE GROUP 08 - I-295 WAR, WST
 VOLUME 1
 WARWICK/WEST WARWICK
 RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 13
 WEST NATICK ROAD/PONTIAC AVENUE

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PAWTUXET RIVER BRIDGE 072101 (NORTHBOUND) - GENERAL PLAN
 SCALE: 1"=10'-0"



PAWTUXET RIVER BRIDGE 072101 (NORTHBOUND) - LONGITUDINAL SECTION
 SCALE: 1"=10'-0"

RI Environmental Management
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 Office of Water Resources

ANTICIPATED WORK AT BRIDGE 072101:

1. REPLACE EXISTING BRIDGE PARAPETS, APPROACH PARAPETS, AND END POSTS WITH NEW RIDOT MASH COMPLIANT PARAPETS (RI-TL-5B.1) AND END POSTS (RI-TL-5B.0)
2. FINAL DESIGNER TO DESIGN DECK OVERHANG FOR TL-5 COLLISION, IT IS ANTICIPATED THAT THE DECK OVERHANG AND A PORTION OF THE EXTERIOR BEAM BAY WILL NEED TO BE REMOVED AND SUPPLEMENTED WITH REINFORCING BARS.
3. REPLACE/INSTALL NEW BRIDGE SCUPPERS AND SUBPAVEMENT DRAINS WITH DECK OVERHANG REPLACEMENT.
4. PERFORM CONCRETE REPAIRS TO SUBSTRUCTURE ELEMENTS.
5. PERFORM CONCRETE REPAIRS TO DECK.
6. REPAIR BEAM ENDS AND DIAPHRAGMS.
7. REMOVE AND REPLACE WATERPROOFING MEMBRANE AND BITUMINOUS WEARING SURFACE.
8. REPLACE EXISTING DECK JOINTS. NOTE THAT IN THE DECK ENDS WERE MODIFIED TO EXTEND OVER THE ABUTMENT BACKWALL DURING THE 2002 REHABILITATION.

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Angela L. Freeman



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

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DATE: MAY 2024																			
SHEET: 9																			
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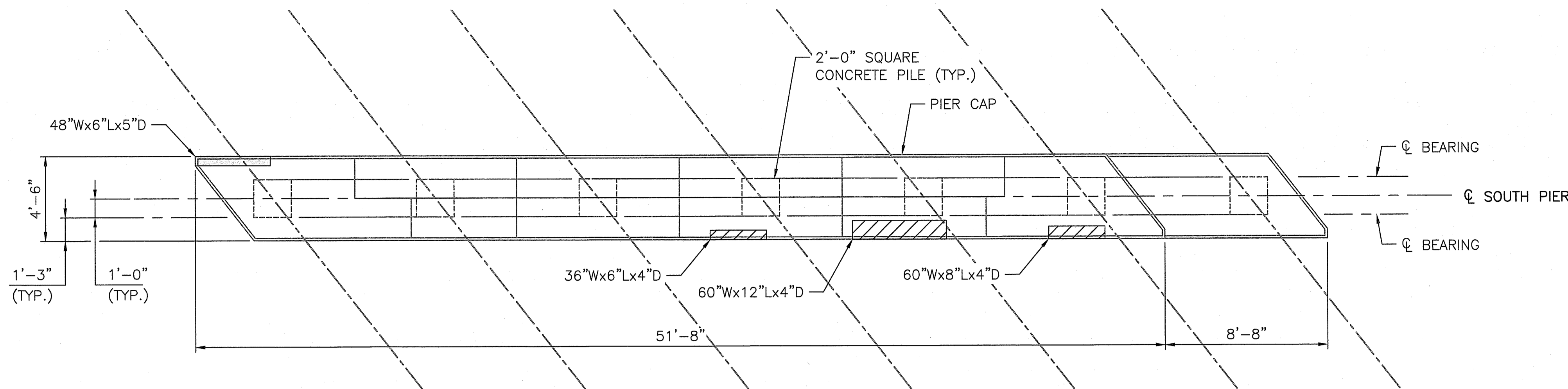
BRIDGE GROUP 08 - I-295 WAR, WST
 BR. NOS. 072101 & 072121
 VOLUME 2
 WARWICK / WEST WARWICK
 RHODE ISLAND
BR. 072101 GENERAL PLANS

NOTES:

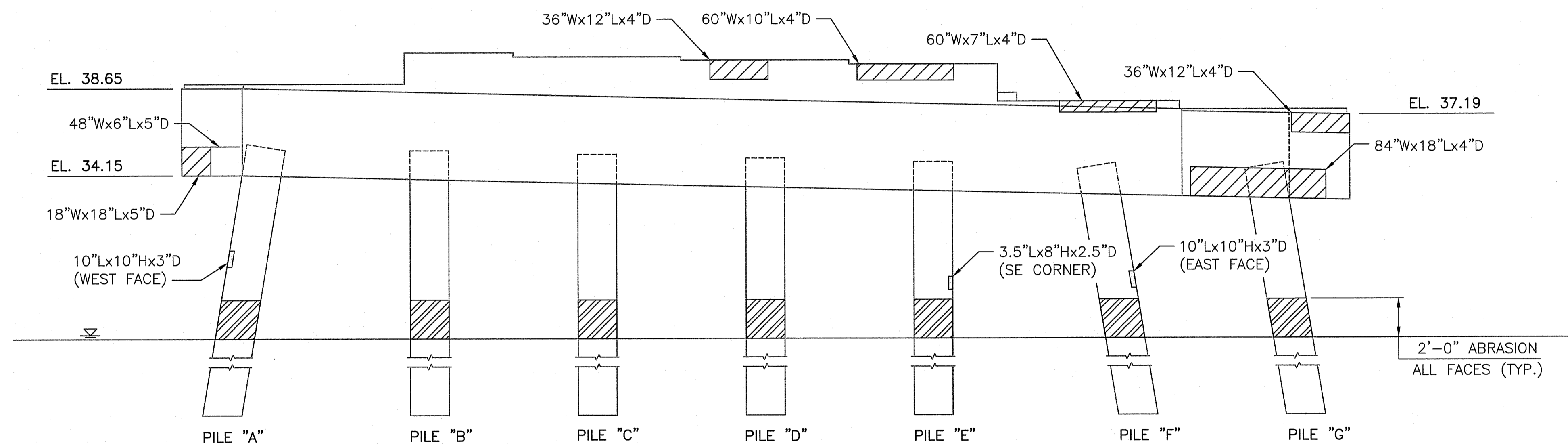
- REPAIR LOCATIONS ARE BASED ON INFORMATION FROM THE 10/22/2021 RIDOT INSPECTION REPORT. FOR BIDDING PURPOSES, THE DEPTH OF REPAIR WAS DETERMINED AS FOLLOWS:
 - HOLLOW AREAS ASSUMED TO BE 4" DEEP
 - 2" WAS ADDED TO SPALLS WITH A RECORDED DEPTH
- SOME OF THE HOLLOW AREAS HAVE SPALLS AND CRACKS WITHIN THE REPAIR LIMITS.
- THE FINAL DESIGN CONSULTANT SHALL COORDINATE WITH RIOT AND DETERMINE WHICH DEFECT AREAS WARRANT REPAIR.
- EMBEDDED GALVANIC ANODES SHALL BE PLACED IN THE REPAIRED LOCATIONS. IN AREAS WHERE THE CONCRETE IS SOUND AND NOT REMOVED, GALVANIC ANODES SHALL BE PLACED IN CORE HOLES ALONG THE PIER CAP.
- UPON COMPLETION OF THE PIER CAP REHABILITATION, THE TOP AND VERTICAL FACES OF THE PIER CAP SHALL BE COATED WITH A FILM-FORMING SEALER CONCRETE SURFACE TREATMENT-PROTECTIVE COATING IN ACCORDANCE WITH SECTION 820 OF THE RI STANDARD SPECIFICATIONS.
- FINAL DESIGN CONSULTANT SHALL SPECIFY ADDITIONAL REPAIR AREAS BASED ON THE LATEST INSPECTION REPORT AND FIELD VERIFY REPAIR AREAS PRIOR TO ADVERTISING.

LEGEND:

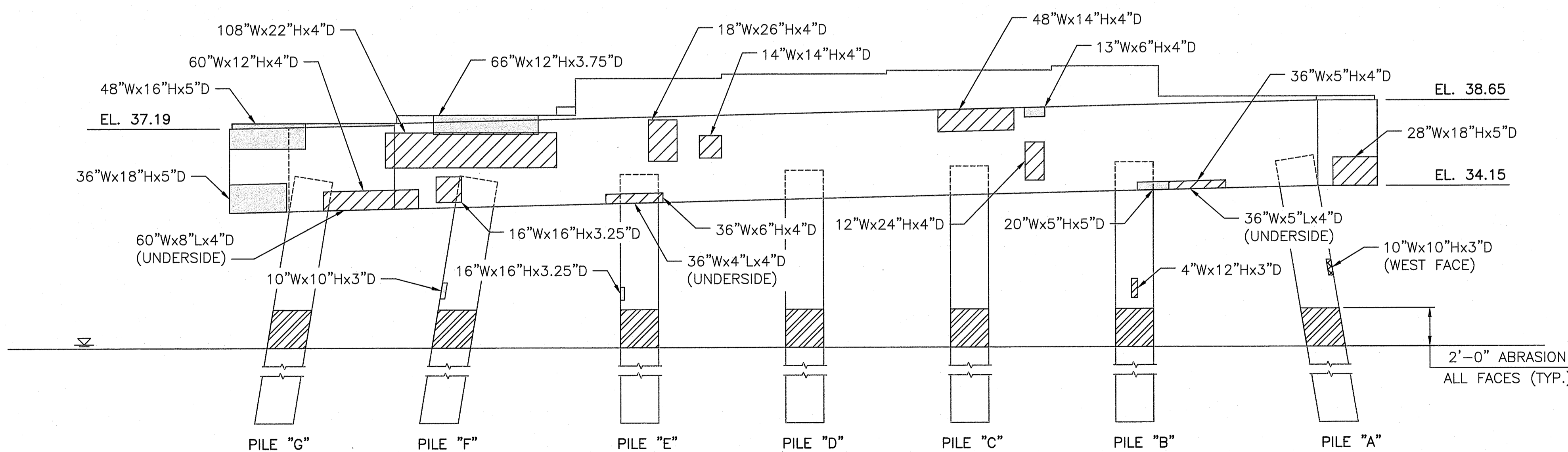
- | | | |
|------------|--|-------------------------|
| H = HEIGHT | | HOLLOW REPAIR LIMITS |
| W = WIDTH | | SPALL REPAIR LIMITS |
| D = DEPTH | | ABRASIONS REPAIR LIMITS |
| L = LENGTH | | CRACK (EPOXY INJECTION) |



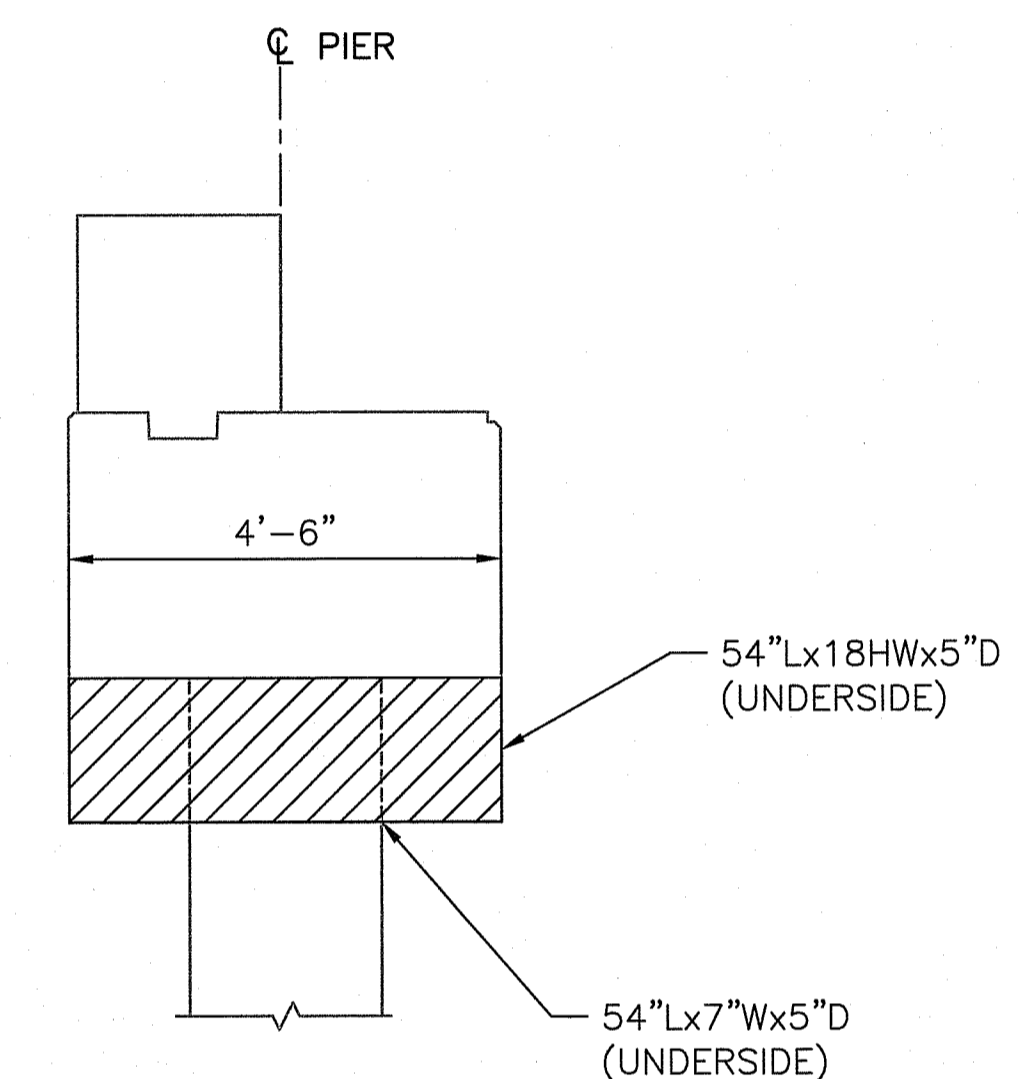
PLAN
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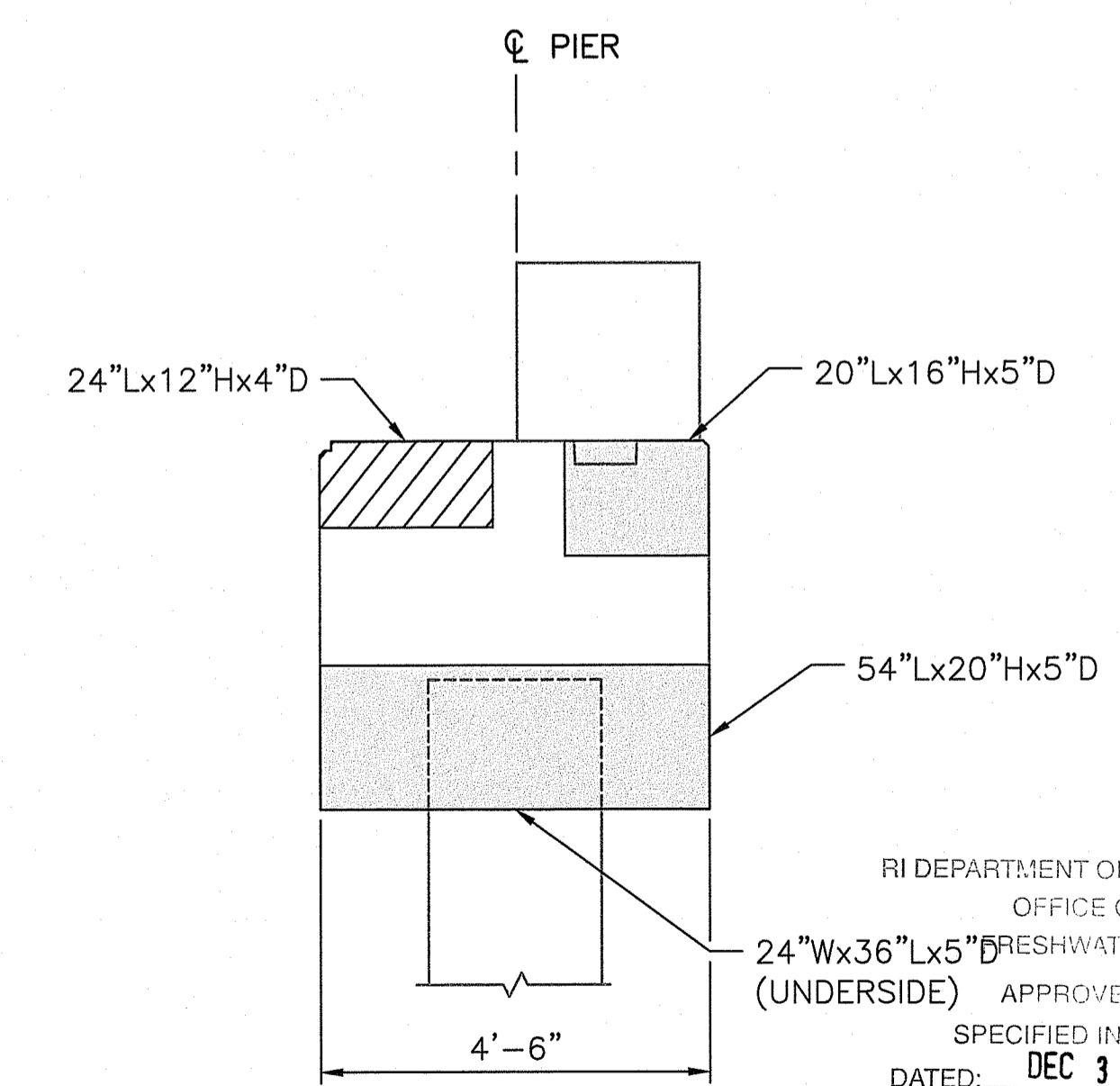
SOUTH ELEVATION (LOOKING NORTH)
SCALE: 1/4"=1'-0"



NORTH ELEVATION (LOOKING SOUTH)
SCALE: 1/4"=1'-0"



WEST ELEVATION (LOOKING EAST)
SCALE: 1/2"=1'-0"



EAST ELEVATION (LOOKING WEST)
SCALE: 1/2"=1'-0"

RI Environmental Management
SEP 12 2024
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
(UNDERSIDE) APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 30 2024 FILE #: 24-0228
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

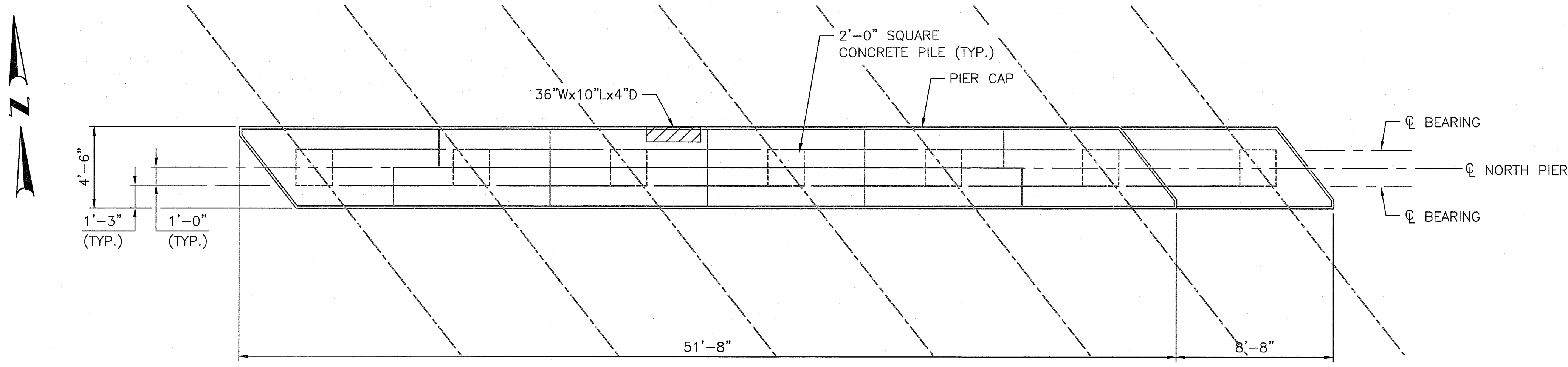


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: _____
CHECKED BY: _____
DATE: MAY 2024
SHEET: 15
OF: 45

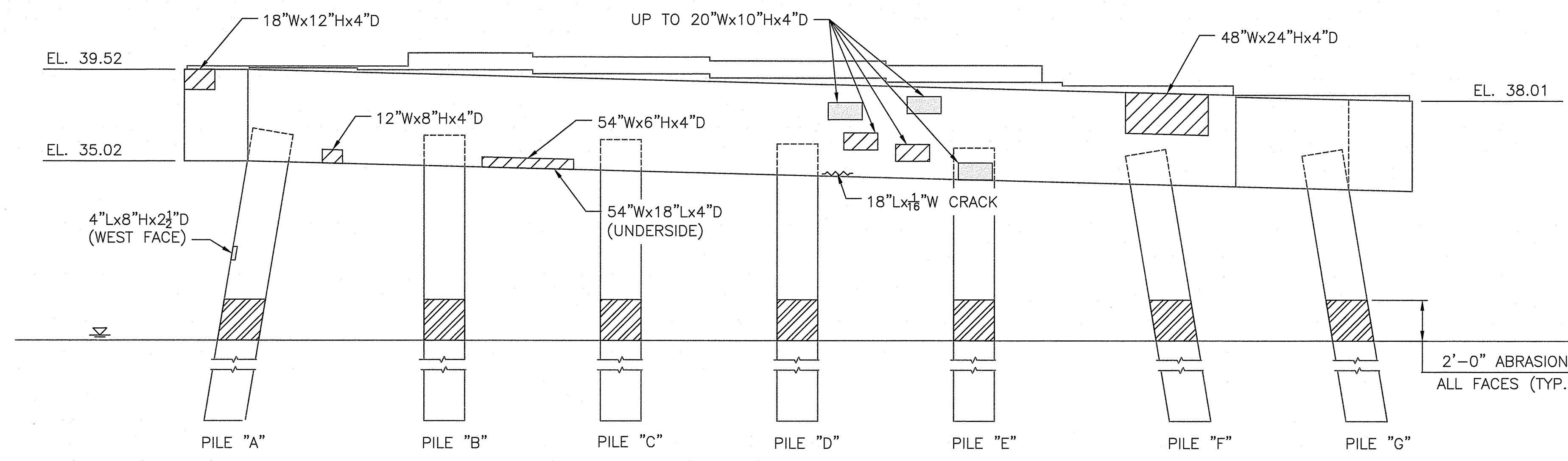
REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
BR. NOS. 072251 & 072271
WARWICK / WEST WARWICK
VOLUME 2
RHODE ISLAND
BR. 072101 SOUTH PIER REHABILITATION

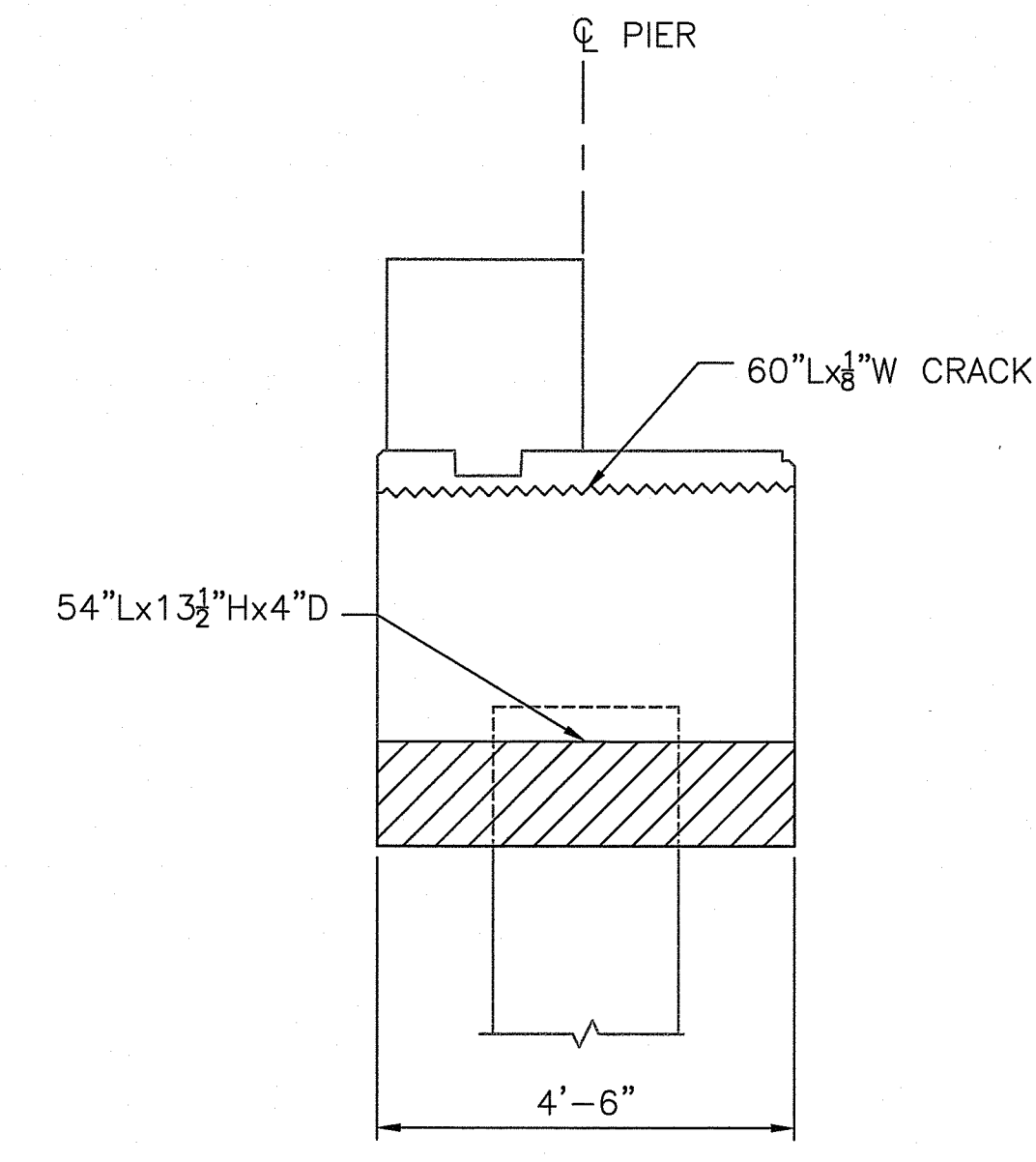


PLAN
SCALE: 1/4"=1'-0"

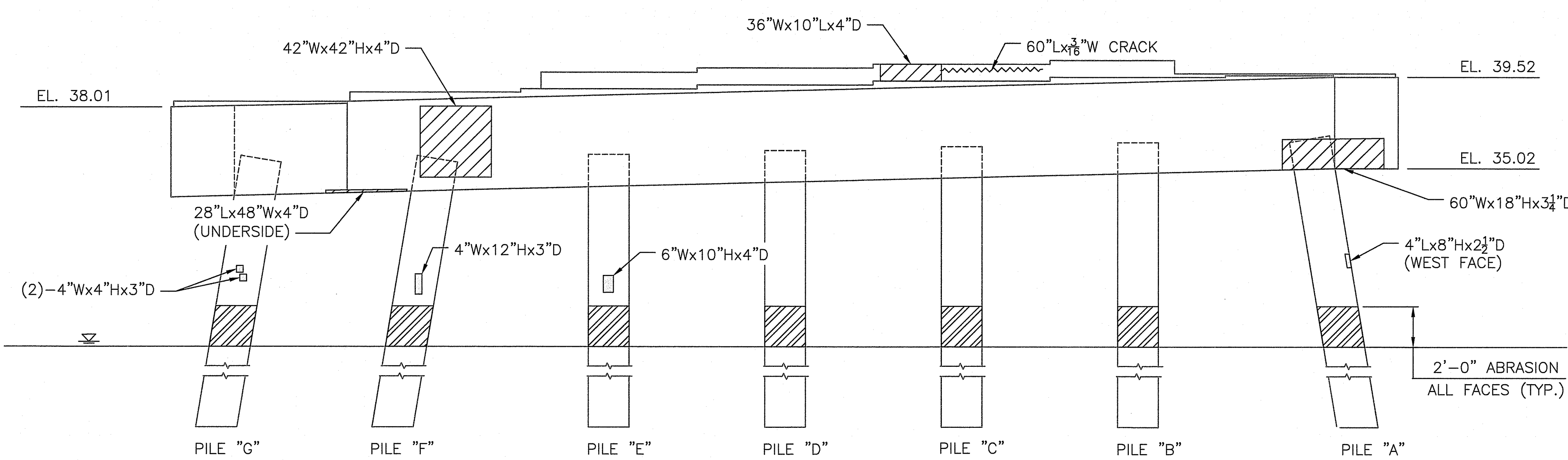
- NOTES:**
1. SEE SOUTH PIER REHABILITATION SHEET FOR NOTES.
- LEGEND:**
- H = HEIGHT
 - W = WIDTH
 - D = DEPTH
 - L = LENGTH
- HOLLOW REPAIR LIMITS
 - SPALL REPAIR LIMITS
 - ABRASIONS REPAIR LIMITS
 - CRACK (EPOXY INJECTION)



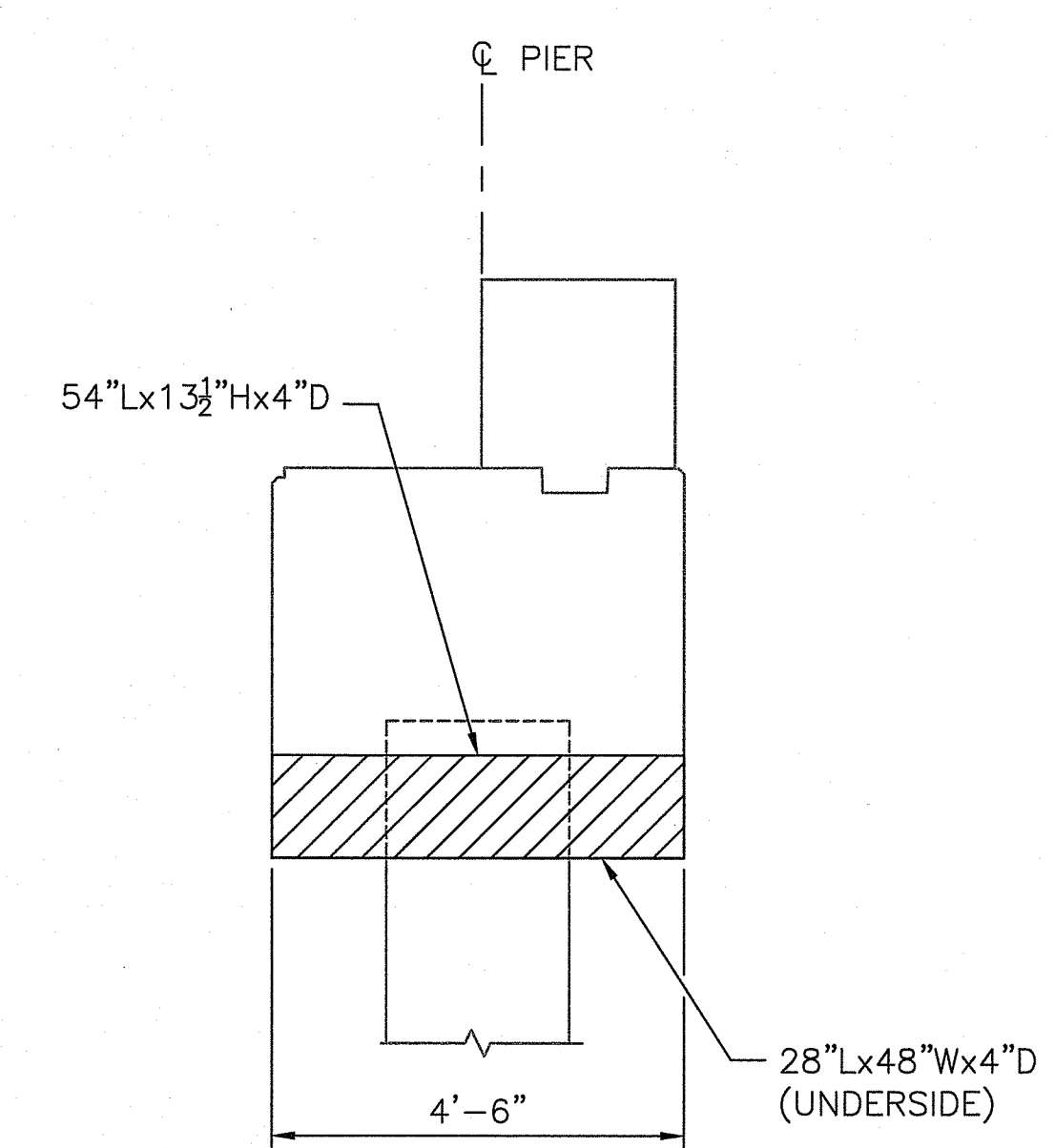
SOUTH ELEVATION (LOOKING NORTH)
SCALE: 1/4"=1'-0"



SIDE ELEVATION (LOOKING EAST)
SCALE: 1/2"=1'-0"



NORTH ELEVATION (LOOKING SOUTH)
SCALE: 1/4"=1'-0"



SIDE ELEVATION (LOOKING WEST)
SCALE: 1/2"=1'-0"

RI Environmental Management
SEP 12 2024
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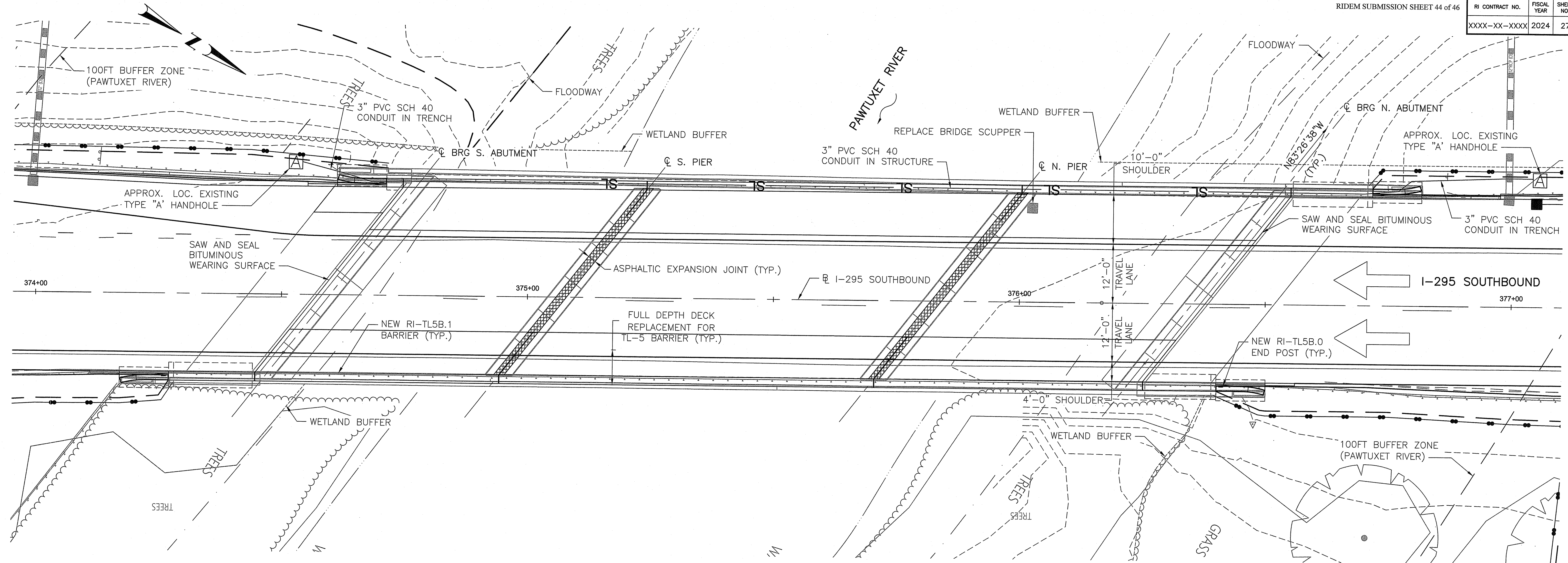
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Mindy L. Freeman



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

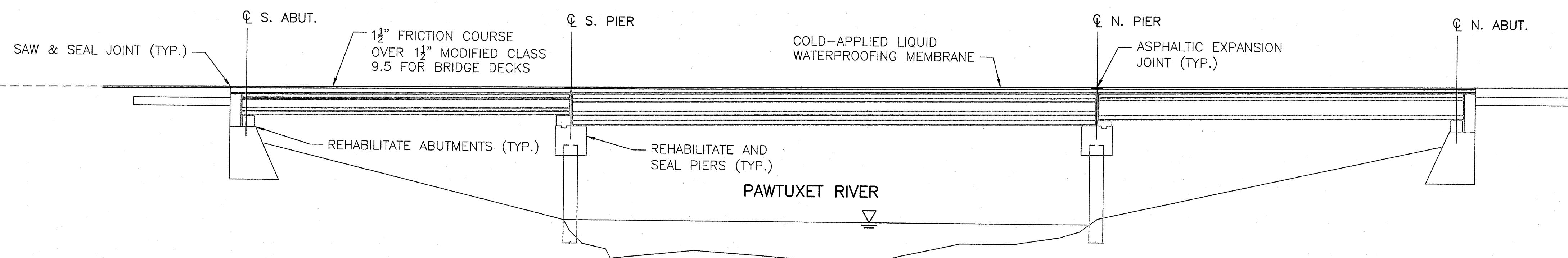
DESIGNED BY: _____	SCALE:
CHECKED BY: _____	
DATE: MAY 2024	
SHEET: 16	
OF: 45	

BRIDGE GROUP 08 - I-295 WAR, WST
BR. NOS. 072551 & 072571
VOLUME 2
WARWICK / WEST WARWICK
RHODE ISLAND
BR. 072101 NORTH PIER REHABILITATION



PAWTUXET RIVER BRIDGE 072121 (SOUTHBOUND) - GENERAL PLAN

SCALE: 1"=10'-0"



PAWTUXET RIVER BRIDGE 072121 (SOUTHBOUND) - LONGITUDINAL SECTION

SCALE: 1"=10'-0"

ANTICIPATED WORK AT BRIDGE 072121:

1. REPLACE EXISTING BRIDGE PARAPETS, APPROACH PARAPETS, AND END POSTS WITH NEW RIDOT MASH COMPLIANT PARAPETS (RI-TL-5B.1) AND END POSTS (RI-TL-5B.0)
2. FINAL DESIGNER TO DESIGN DECK OVERHANG FOR TL-5 COLLISION, IT IS ANTICIPATED THAT THE DECK OVERHANG AND A PORTION OF THE EXTERIOR BEAM BAY WILL NEED TO BE REMOVED AND SUPPLEMENTED WITH REINFORCING BARS.
3. ACCORDING TO RIDOT 2019 BRIDGE NO.072121 LOAD RATING REPORT, BEAM LINE A DOES NOT MEET LOAD RATING REQUIREMENTS FOR ALL RI-OP VEHICLES. PROPOSED CONDITION WILL REDUCE THE WEST OVERHANG WIDTH. FINAL DESIGNER TO DETERMINE LOAD RATING CAPACITY IN THE FINAL CONDITION AND IF NEEDED, PROPOSE MODIFICATIONS TO IMPROVE CAPACITY TO ACHIEVE LOAD RATING FACTORS=1.0 (MIN.) FOR ALL PERMIT VEHICLES.
4. ALTERING THE LOCATION OF THE WEST CURB LINE WILL REQUIRE ADDITIONAL MODIFICATIONS AT THE SOUTHWEST APPROACH BARRIER.
5. REPLACE / INSTALL NEW BRIDGE SCUPPERS AND SUBPAVEMENT DRAINS SHALL BE REPLACED/INSTALLED WITH OVERHANG REPLACEMENT.
6. PERFORM CONCRETE REPAIRS TO SUBSTRUCTURE ELEMENTS.
7. PERFORM CONCRETE REPAIRS TO DECK.
8. PERFORM CONCRETE REPAIRS TO BEAM ENDS AND DIAPHRAGMS.
9. REMOVE AND REPLACE WATERPROOFING MEMBRANE AND BITUMINOUS WEARING SURFACE.
10. REPLACE EXISTING DECK JOINTS. NOTE THAT THE DECK ENDS WERE MODIFIED TO EXTEND OVER THE ABUTMENT BACKWALL DURING THE 2002 REHABILITATION.

RI Environmental Management
SEP 12 2024
Office of Water Resources

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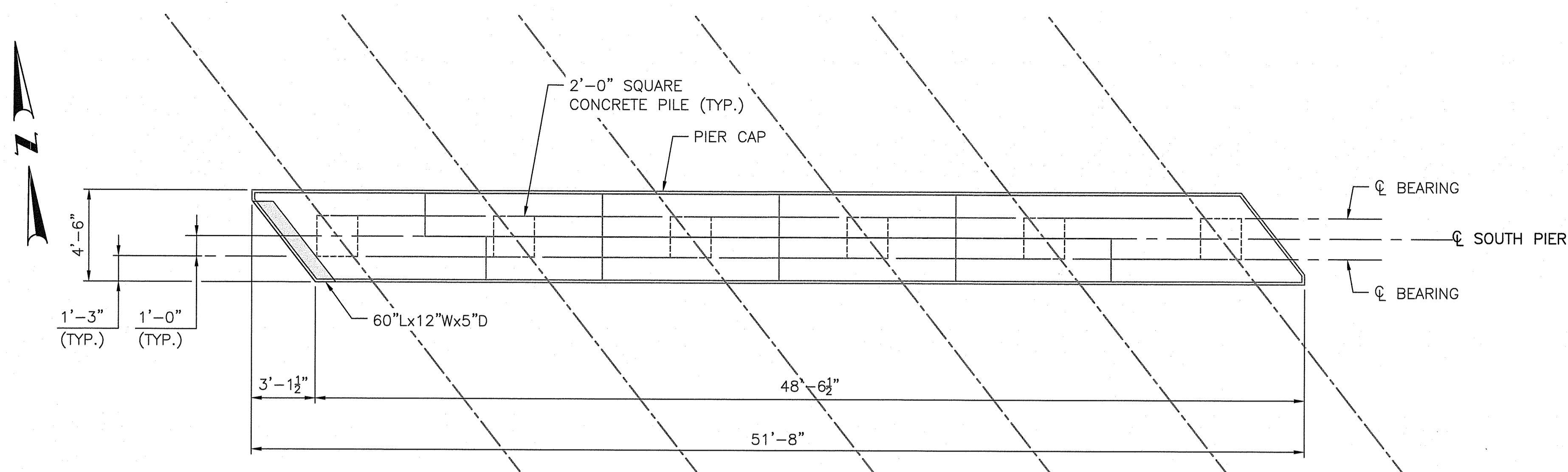
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: ---
CHECKED BY: ---
DATE: MAY 2024
SHEET: 27
OF: 45

SCALE:	
NO.	DATE

BRIDGE GROUP 08 - I-295 WAR, WST
BR. NOS. 072251 & 072271
VOLUME 2

BR. 072121 GENERAL PLAN



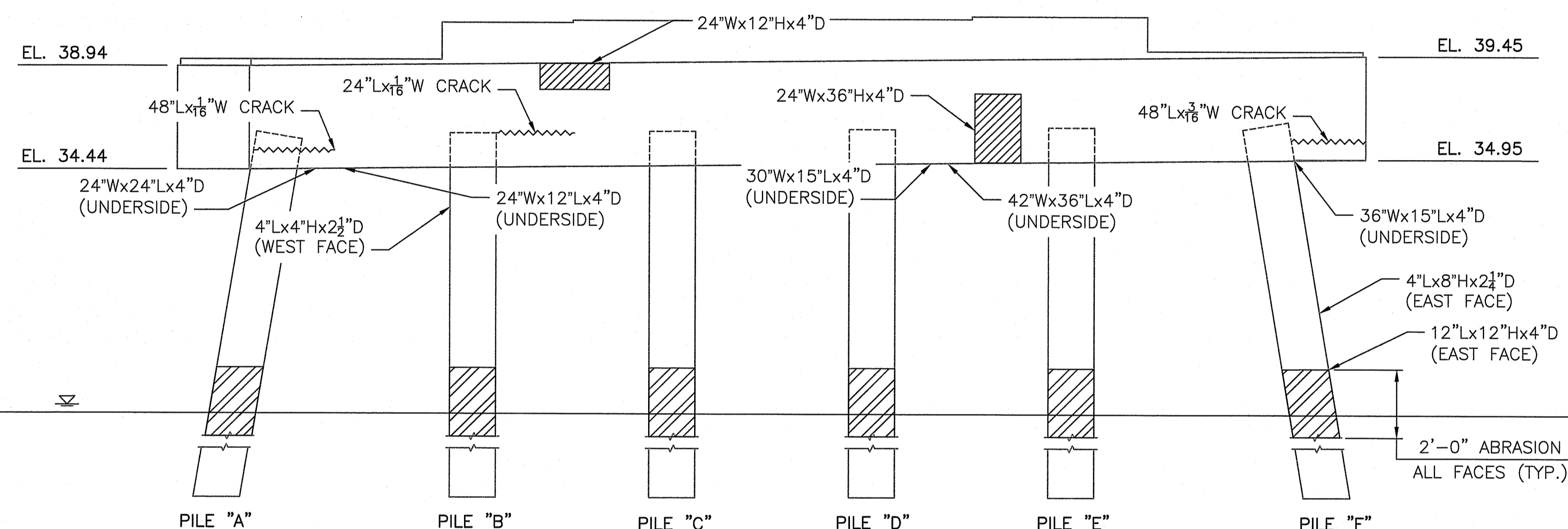
PLAN
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NOTES:

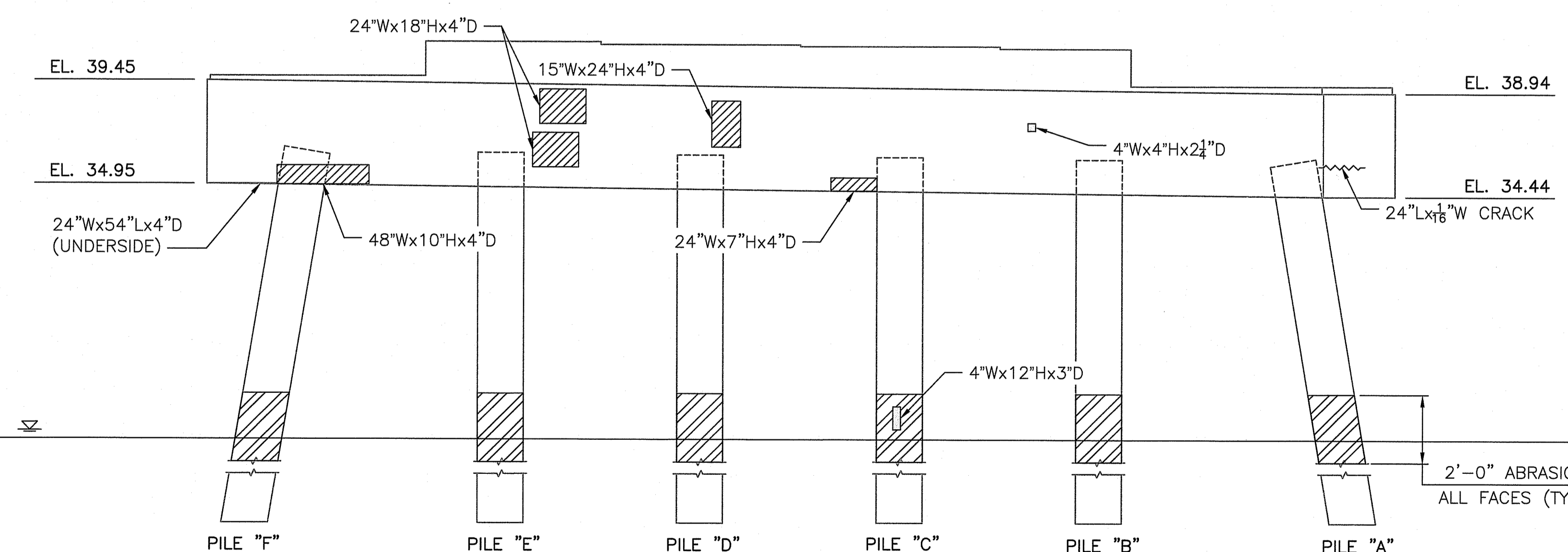
- REPAIR LOCATIONS ARE BASED ON INFORMATION FROM THE 10/22/2021 RIDOT BRIDGE INSPECTION REPORT. FOR BIDDING PURPOSES, THE DEPTH OF REPAIR WAS DETERMINED AS FOLLOWS:
- HOLLOW AREAS ASSUMED TO BE 4" DEEP
- 2" WAS ADDED TO SPALLS WITH A RECORDED DEPTH
- SOME OF THE HOLLOW AREAS HAVE SPALLS AND CRACKS WITHIN THE REPAIR LIMITS.
- THE FINAL DESIGN CONSULTANT SHALL COORDINATE WITH RIDOT AND DETERMINE WHICH DEFECT AREAS WARRANT REPAIR.
- EMBEDDED GALVANIC ANODES SHALL BE PLACED IN THE REPAIRED LOCATIONS. IN AREAS WHERE THE CONCRETE IS SOUND AND NOT REMOVED, GALVANIC ANODES SHALL BE PLACED IN CORE HOLES ALONG THE PIER CAP.
- UPON COMPLETION OF THE PIER CAP REHABILITATION, THE TOP AND VERTICAL FACES OF THE PIER CAP SHALL BE COATED WITH A FILM-FORMING SEALER CONCRETE SURFACE TREATMENT-PROTECTIVE COATING IN ACCORDANCE WITH SECTION 820 OF THE RI STANDARD SPECIFICATIONS.
- FINAL DESIGN CONSULTANT SHALL SPECIFY ADDITIONAL REPAIR AREAS BASED ON THE LATEST INSPECTION REPORT AND FIELD VERIFY REPAIR AREAS PRIOR TO ADVERTISING.

LEGEND:

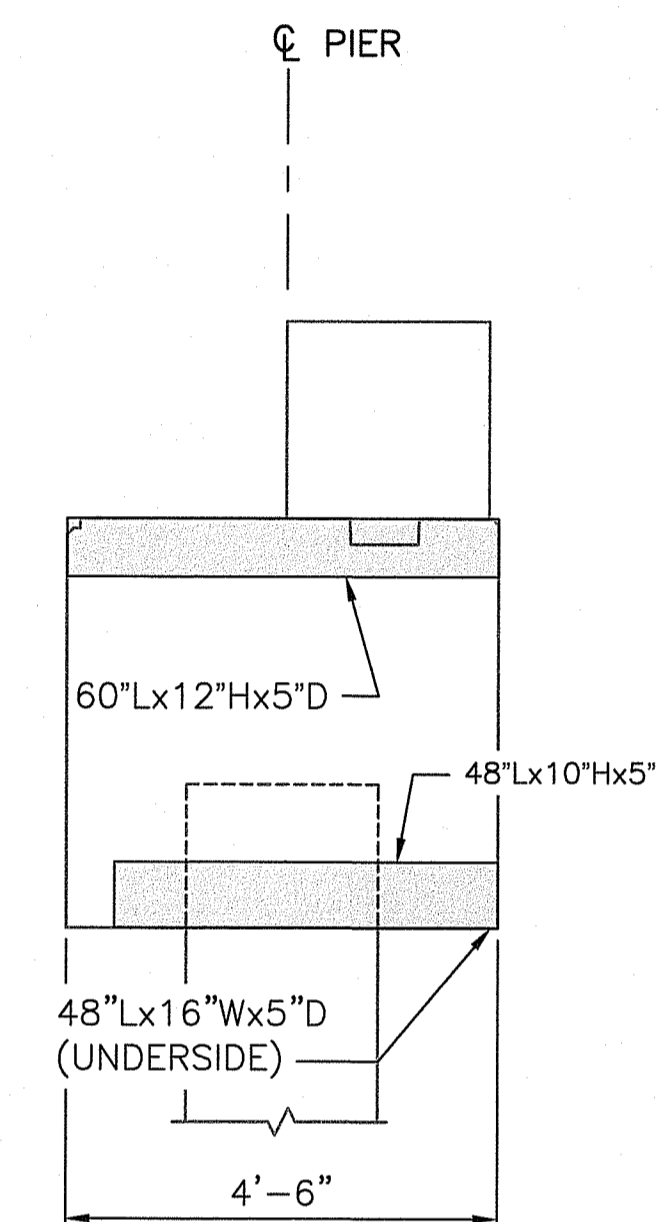
- | | | |
|------------|--|-------------------------|
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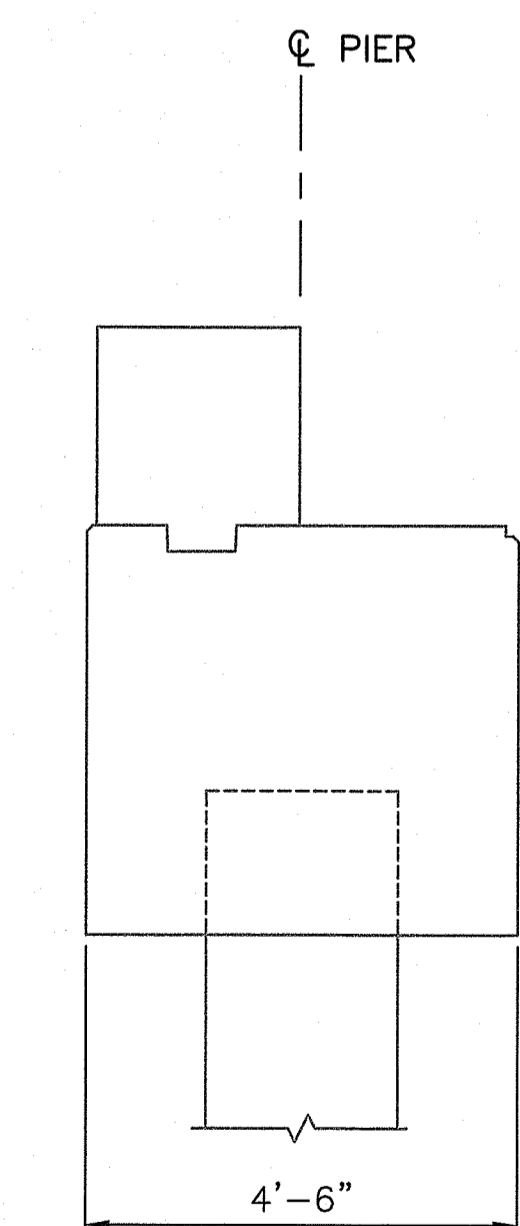
SOUTH ELEVATION (LOOKING NORTH)
SCALE: 1/4"=1'-0"



NORTH ELEVATION (LOOKING SOUTH)
SCALE: 1/4"=1'-0"



WEST ELEVATION (LOOKING EAST)
SCALE: 1/2"=1'-0"



EAST ELEVATION (LOOKING WEST)
SCALE: 1/2"=1'-0"

SEP 18 2024
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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DATE: MAY 2024
SHEET: 33
OF: 45

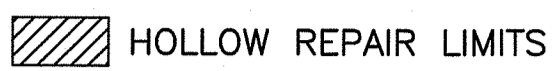


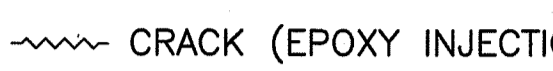
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REVISIONS
NO. DATE BY NO. DATE BY

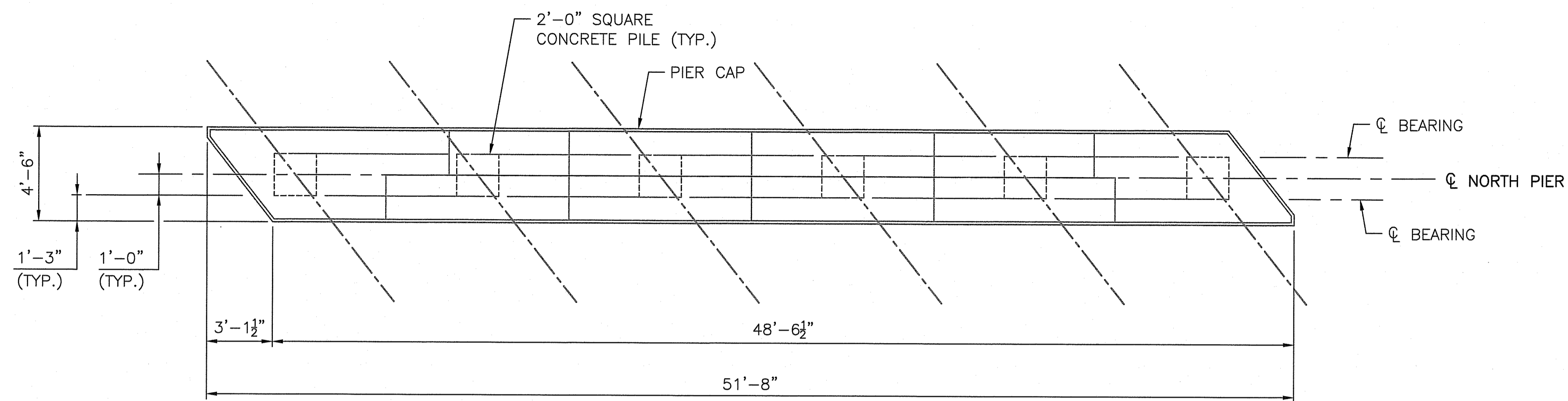
BRIDGE GROUP 08 - I-295 WAR, WST
BR. NOS. 072101 & 072121
VOLUME 2
WARWICK / WEST WARWICK
RHODE ISLAND

BR. 072121 SOUTH PIER REHABILITATION

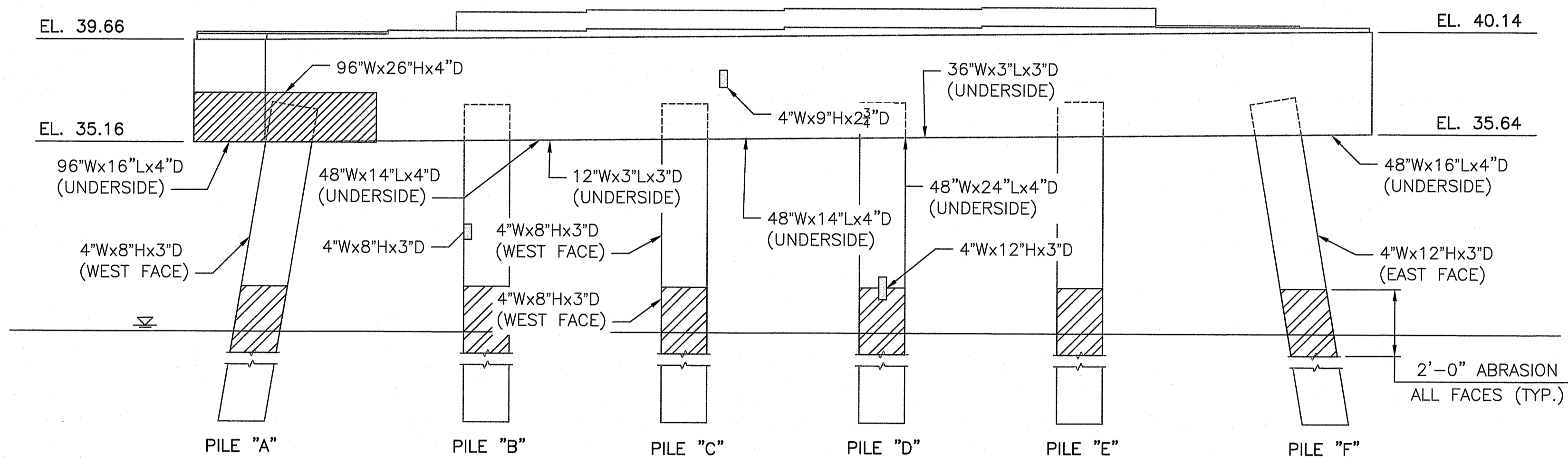
NOTES:
 1. SEE BR. 072121 SOUTH PIER REHABILITATION FOR NOTES.

LEGEND:
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 L = LENGTH

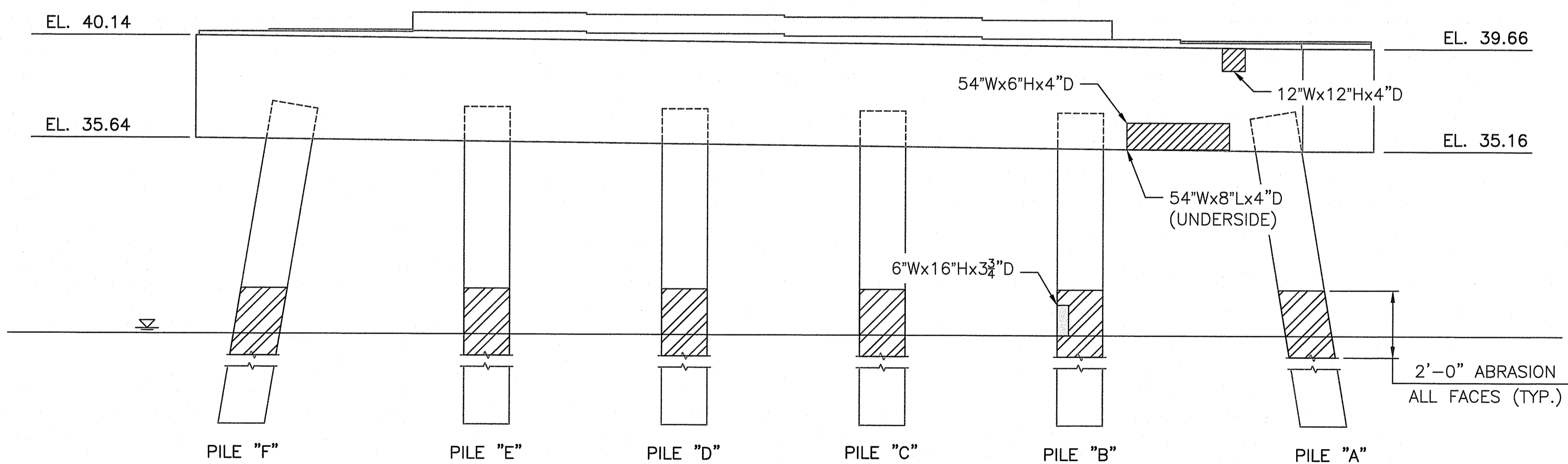
 HOLLOW REPAIR LIMITS
 SPALL REPAIR LIMITS
 ABRASIONS REPAIR LIMITS
 CRACK (EPOXY INJECTION)



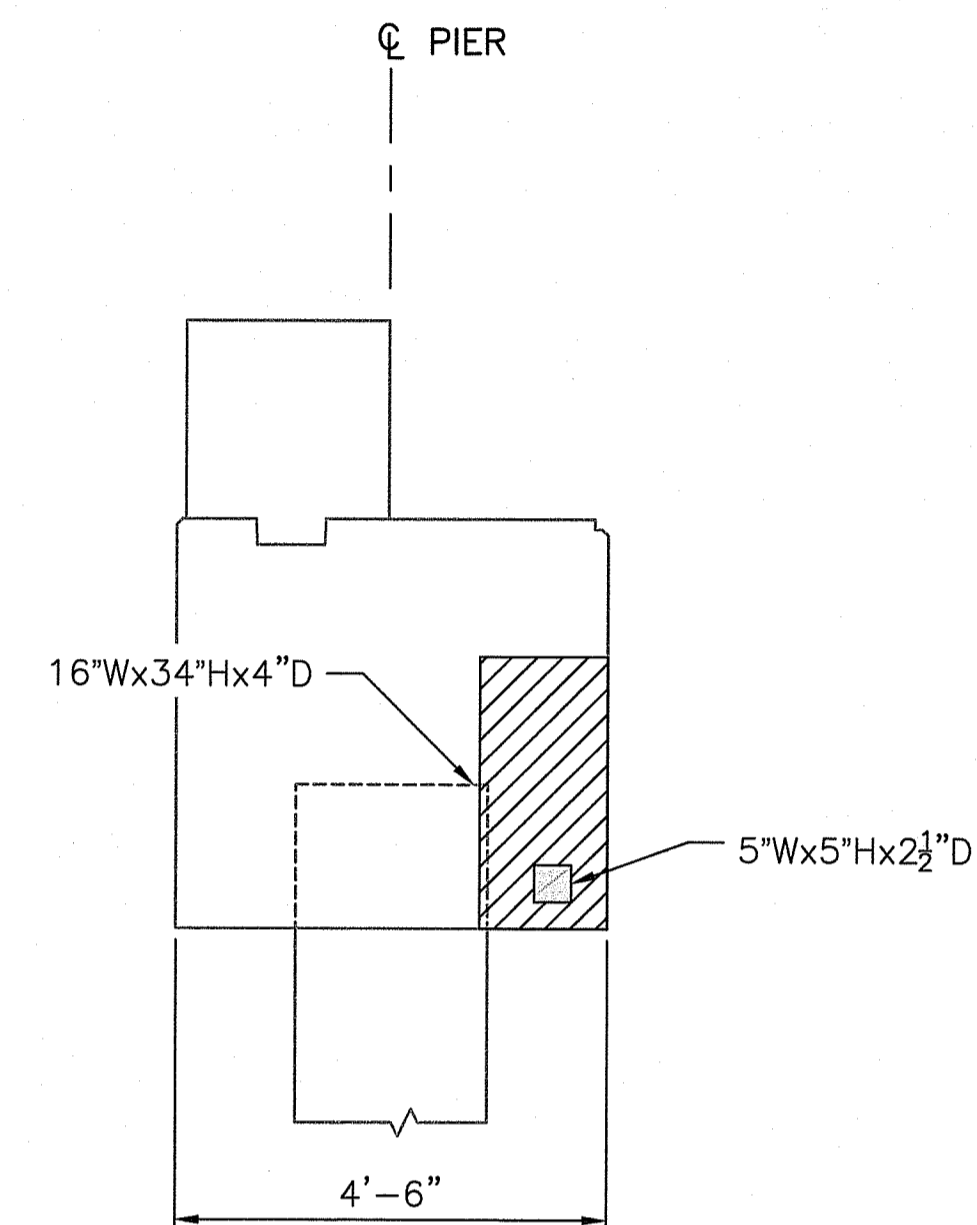
PLAN
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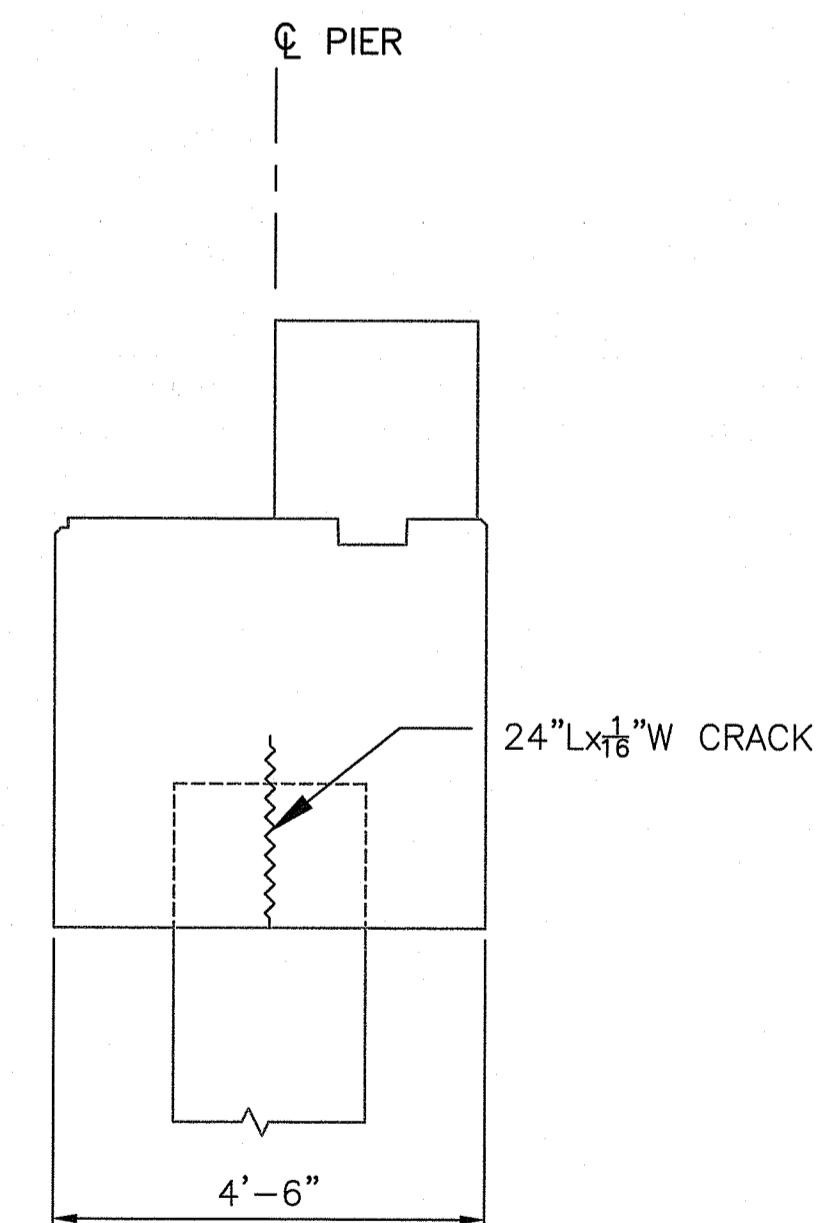
SOUTH ELEVATION (LOOKING NORTH)
 SCALE: 1/4"=1'-0"



NORTH ELEVATION (LOOKING SOUTH)
 SCALE: 1/4"=1'-0"



WEST ELEVATION (LOOKING EAST)
 SCALE: 1/2"=1'-0"



EAST ELEVATION (LOOKING WEST)
 SCALE: 1/2"=1'-0"

RI Environmental Monitoring
 SEP 12 2024
 Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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RHODE ISLAND
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DESIGNED BY: ----
 CHECKED BY: ----
 DATE: MAY 2024
 SHEET: 34
 OF: 45

SCALE:					
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 08 - I-295 WAR, WST
 BR. NOS. 072101 & 072121
 VOLUME 2

BR. 072121 NORTH PIER REHABILITATION