RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	1	67

STATE OF RHODE ISLAND

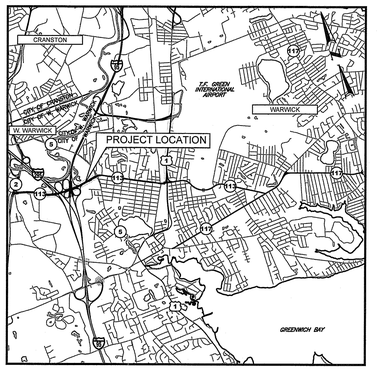
DEPARTMENT OF TRANSPORTATION

BRIDGE GROUP 97 - PHASE 1B: EAST AVENUE BRIDGE REPLACEMENT ROUTE 113 OVER I-95/I-295

CITY OF WARWICK
COUNTY OF KENT
R.I. CONTRACT NO. 2023-DB-055 F.A. PROJECT NO. BRO-BG97(001)

INDEX

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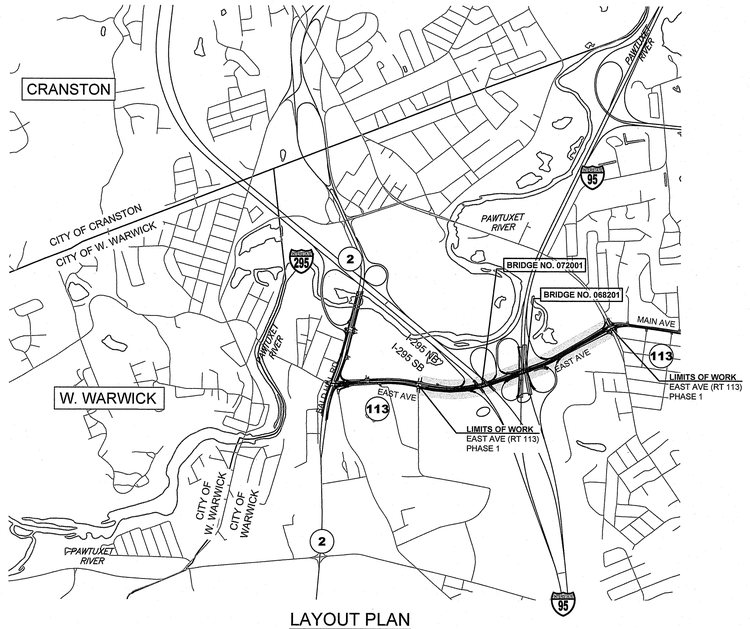


LOCATION MAP
1" = 5,000'

FULL-DEPTH PAVEMENT STRUCTURE
(2) COURSES OF 1.5" MODIFIED CLASS 9.5 HMA
7" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE COURSE

FULL-DEPTH PAVEMENT STRUCTURE (I-95 & I-295)
1.5" FRICTION COURSE HMA OVER 1.5" MODIFIED CLASS 9.5 HMA
8" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE COURSE

PAVEMENT MICROMILL AND OVERLAY STRUCTURE
MICROMILL EXISTING SURFACE COURSE (1½" MIN.)
1½" MODIFIED CLASS 9.5 HMA COURSE OVERLAY



LAYOUT PLAN
SCALE: 1" = 1,500'
RI 113 - 3.5 MILES
RI 117 - 2.8 MILES
US 1 - 1.2 MILES
RI 2 - 0.3 MILES

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Wenech

EAST AVE	
AADT (2023)	25,800 V.P.D.

BRIDGE 682		BRIDGE 720	
AADT (2023)	30,200 V.P.D.	AADT (2023)	33,500 V.P.D.
AADT (2053)	32,500 V.P.D.	AADT (2053)	36,100 V.P.D.
D	67% WB	D	53% WB
K	8.3%	K	8.3%
T	2.0%	T	2.0%
DDHV	1,800 V.P.H.	DDHV	1,600 V.P.H.
DHV	2,700 V.P.H.	DHV	3,000 V.P.H.
DESIGN SPEED	45 M.P.H.	DESIGN SPEED	45 M.P.H.

HURRICANE EVACUATION ROUTE

THIS PROJECT INCLUDES WORK ON A DESIGNATED HURRICANE EVACUATION AND DIVERSIONARY ROUTE AS FOLLOWS:
- ROUTE 113 (MAIN AVE) WESTBOUND
- ROUTE 1 NORTHBOUND
- ROUTE 95 NORTHBOUND
- ROUTE I-295 NORTHBOUND

(REFER TO GENERAL NOTE NO. 18 ON SHEET NO. 3)

PERMIT PLAN - PHASE 1B
NOT FOR CONSTRUCTION
FEBRUARY 2025

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2023, 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.

SCALE OF DRAWINGS

Plans	1 inch = 20 & 40 feet
Profiles	1 inch = 40 feet Horizontal
Profiles	1 inch = 8 feet Vertical
Cross Sections	1 inch = 4 feet Horizontal
Cross Sections	1 inch = 4 feet Vertical

BASE OF LEVELS
NAVD 1988
RI STATE PLANE NAD1983 (2011) (2010.00)

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

LYNCH WSP

Contract Number 2023-DB-055
Number of Sheet 1
Total Sheets 67

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED

DIRECTOR, DIVISION OF PROJECT MANAGEMENT — DATE

APPROVED

CHIEF ENGINEER OF INFRASTRUCTURE — DATE

APPROVED

DIRECTOR — DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR — DATE

2604Y_V1_001_COVER

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	2	67

EXISTING

	EDGE OF PAVEMENT
	BERM
	CURB
	GUARDRAIL
MB	MAILBOX
NO.	UTILITY POLE
	POLE GUY
	LUMINARE
SIGN	SIGN (SINGLE-POST)
SIGN	SIGN (DOUBLE-POST)
(SIZE)SD	SUBDRAIN
(SIZE)D	STORMDRAIN
(SIZE)S	SANITARY SEWER
(SIZE)W	WATER MAIN
(SIZE)G	GAS MAIN
(SIZE)T	TELEPHONE DUCT
(SIZE)E	ELECTRIC DUCT
	PLUG AND CAP PIPE
	ABANDONED UTILITY
	FLARED END SECTION
	HEADWALL
WG OR GG	WATER OR GAS GATE
CB	CATCH BASIN
MH	MANHOLE
HYD	HYDRANT
1+00	BASELINE OR CENTERLINE
EXIST. S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
EXIST. S.F.L. PLAT NO. XX	STATE FREEWAY LINE
EXIST. P.E.B.	PERMANENT EASEMENT LINE
EXIST. T.E.B.	TEMPORARY EASEMENT LINE
P	PROPERTY LINE
CITY NAME / TOWN NAME	CITY OR TOWN LINE
PWW	PAVED WATERWAY
ELEV.	CONTOUR LINE
	OPEN DITCH
R.I.H.B.	R.I. HIGHWAY BOUND
S.B.	STONE BOUND
	RETAINING WALL
	FIELD STONE WALL
NO.	BORINGS
TYPE	FENCE
	WOOD OR BRUSH LINE
	TREES
(NAME)	RIVER OR STREAM
	WETLAND AREA
NO. TYPE MATERIAL	BUILDING
	FOUNDATION
	BUILDING TO BE REMOVED
	RAILROAD TRACKS
	CUT AND MATCH
	RIP-RAP
	CUT SLOPE
	FILL SLOPE
	ROCK CUT
00x00	SPOT GRADE
	AREA GRADED TO DRAIN
	BALED HAY RI STD 9.1.0
	BALED HAY & SILT FENCE RI STD. 9.3.0
123 124 125	EDGE OF WETLAND
	WETLAND PERIMETER
ASSF	AREA SUBJECT TO STORM FLOW
100 YR. FLOOD BOUNDARY	100-YEAR FLOOD PLAIN
	LIMIT OF DISTURBANCE
	LIMIT OF CLEARING

NEW

	EDGE OF PAVEMENT
	BERM
	CURB
	GUARDRAIL
	MAILBOX
NO.	UTILITY POLE
GUY	POLE GUY
	LUMINARE
	SIGN (SINGLE-POST)
	SIGN (DOUBLE-POST)
N(SIZE)SD	SUBDRAIN
(Length → Size)	
(Length → Size)	
N(SIZE)W	WATER MAIN
N(SIZE)G	GAS MAIN
N-#(SIZE)T	TELEPHONE DUCT
N-#(SIZE)E	ELECTRIC DUCT
	PLUG AND CAP PIPE
	ABANDONED UTILITY
	FLARED END SECTION
	HEADWALL
	WATER OR GAS GATE
	CATCH BASIN
	MANHOLE
	HYDRANT
1+00	BASELINE OR CENTERLINE
NEW S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
NEW S.F.L. PLAT NO. XX	STATE FREEWAY LINE
NEW P.E.B.	PERMANENT EASEMENT LINE
NEW T.E.B.	TEMPORARY EASEMENT LINE
	PROPERTY LINE
	CITY OR TOWN LINE
ELEV.	PAVED WATERWAY
ELEV.	CONTOUR LINE
	OPEN DITCH
	R.I. HIGHWAY BOUND
	STONE BOUND
	RETAINING WALL
	FIELD STONE WALL
NO.	BORINGS
	FENCE
	WOOD OR BRUSH LINE
	TREES
	RIVER OR STREAM
	WETLAND AREA
	BUILDING
	FOUNDATION
	BUILDING TO BE REMOVED
	RAILROAD TRACKS
	CUT AND MATCH
	RIP-RAP
ROADWAY / TOP OF SLOPE	CUT SLOPE
ROADWAY / TOE OF SLOPE	FILL SLOPE
ROCK SHELF / ROCK CUT	ROCK CUT
00.00	SPOT GRADE
ELEV.	AREA GRADED TO DRAIN
	BALED HAY RI STD 9.1.0
	BALED HAY & SILT FENCE RI STD. 9.3.0
	EDGE OF WETLAND
	WETLAND PERIMETER
	AREA SUBJECT TO STORM FLOW
	100-YEAR FLOOD PLAIN
LIMIT OF DISTURBANCE	LIMIT OF DISTURBANCE
LIMIT OF CLEARING	LIMIT OF CLEARING

1.1.0	UNDERDRAIN
1.3.0	CONCRETE CONNECTING COLLAR
2.1.0	CONCRETE HEADWALLS FOR PIPE CULVERTS
2.2.0	STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS
2.3.0 (DIA.)	PRECAST CONCRETE FLARED END SECTION
3.2.0	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE
3.2.1 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE
3.3.0	BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN
3.3.2	BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN
3.3.3	SOLID BLOCK FLUSH SQUARE CATCH BASIN
3.4.0	BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN
3.4.1	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET
3.4.2	BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN
3.4.3	BRICK/SOLID BLOCK TYPE "R" CATCH BASIN
3.4.4	SOLID BLOCK FLUSH ROUND CATCH BASIN
3.4.5 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN
3.5.0	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN
3.5.1 (SIZE)	SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN
3.6.0	BRICK/SOLID BLOCK DROP INLET
3.7.0 (DIA.)	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"
4.2.0	PRECAST 4'-0" ROUND MANHOLE
4.2.1	PRECAST 5'-0" ROUND MANHOLE
4.2.2	PRECAST 6'-0" ROUND MANHOLE
4.3.0 (SIZE)	PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN
4.4.0 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
4.5.0	PRECAST CONCRETE DROP INLET
4.5.1	PRECAST CONCRETE DROP INLET LATERAL OUTLET
4.5.2	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET
5.3.0	CATCH BASIN AND MANHOLE STEP
5.4.0	CONCRETE COLLARS
6.1.0	LIGHT-DUTY SQUARE FRAME AND ROUND COVER
6.1.1	HEAVY DUTY SQUARE FRAME AND ROUND COVER
6.2.0	LIGHT-DUTY ROUND FRAME AND COVER
6.2.1	HEAVY-DUTY ROUND FRAME AND COVER
6.3.0	SQUARE FRAME AND GRATE
6.3.1	SQUARE FRAME AND GRATE
6.3.2	SQUARE FRAME AND GRATE (BICYCLE SAFE)
6.3.3	HIGH CAPACITY FRAME AND GRATE
6.3.4	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)
6.4.0	ROUND FRAME AND GRATE
7.1.0S	PRECAST CONCRETE CURB (STRAIGHT)
7.1.0C	PRECAST CONCRETE CURB (CIRCULAR)
7.1.1	3'-0" PRECAST CONCRETE TRANSITION CURB
7.1.2	6'-0" PRECAST CONCRETE TRANSITION CURB
7.1.4	PRECAST 2'-0" RADIUS CORNER
7.1.5	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)
7.1.6	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)
7.1.7	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)
7.1.8	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)
7.2.0S	PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)
7.2.0C	PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)
7.2.1	PRECAST CONCRETE SLOPED FACE TRANSITION CURB
7.2.2	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SPLOPED FACE)
7.3.0S	GRANITE CURB (STRAIGHT)
7.3.0C	GRANITE CURB (CIRCULAR)
7.3.2	6'-0" GRANITE TRANSITION CURB
7.3.3	GRANITE WHEELCHAIR RAMP TRANSITION CURB
7.3.4	GRANITE 2'-0" RADIUS CORNER
7.3.5	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)
7.3.6	GRANITE INLET STONE (FOR ROUND CATCH BASIN)
7.3.7	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)
7.3.8	GRANITE APRON STONE (FOR ROUND CATCH BASIN)
7.4.0	GRANITE SLOPED FACE CURB
7.4.1	GRANITE SLOPED FACE TRANSITION CURB
7.4.2	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)
7.5.0	BITUMINOUS CONCRETE LIP CURB
7.5.1	BITUMINOUS BERM
7.6.0	CURB SETTING DETAIL
8.2.0	BITUMINOUS CONCRETE DITCH
8.3.0	RIP-RAP DITCH
8.4.0	PAVED WATERWAY
9.3.0	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED
9.4.0	BALED HAY DITCH AND SWALE EROSION CHECK
9.5.0	LOG AND HAY CHECK DAM
9.7.0	DEWATERING BASIN
9.8.0	BALED HAY CATCH BASIN INLET PROTECTION
9.9.0	CONSTRUCTION ACCESS
10.1.0	WET STONE MASONRY RETAINING WALL
10.2.0	RUBBLE MASONRY WALL
10.3.0	CONCRETE RETAINING WALL
10.4.0	STONE MASONRY STEPS
14.1.0	CONCRETE HIGHWAY BOUND
15.1.0	POST AND MOUNTINGS FOR RURAL MAILBOX
15.2.0 (NO.)	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES
18.2.0	PRECAST TYPE "A" HANDHOLE
18.2.2	HEAVY DUTY TYPE "H" HANDHOLE
18.3.0	ALUMINUM LIGHTING STANDARDS
20.2.0	BI-DIRECTIONAL CONTROL DEVICE
24.6.1	STREET SIGN MOUNTING DETAIL
26.2.0	POLYETHYLENE DRUM WITH MARKINGS
26.3.0	PVC PLASTIC PIPE TYPE III BARRICADE
31.1.0	CHAIN LINK FENCE 3'-0" TO 4'-0"
31.2.0	CHAIN LINK FENCE 5'-0" TO 6'-0"
31.2.1	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST
31.3.0	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)
34.1.0	ROADSIDE GUARDRAIL (GENERAL NOTES, INSTALLATION, POST & OFFSET BLOCK DETAILS)
34.1.1	TYPICAL GUARDRAIL INSTALLATION AT STRUCTURES
34.1.2	STEEL BEAM GUARDRAIL ENCASED POST FOR SHALLOW INSTALLATION
34.1.3	STEEL BEAM GUARDRAIL DEEP POST INSTALLATION
34.1.4	STEEL BEAM GUARDRAIL INSTALLED IN CONCRETE OR HMA SURFACE
34.2.0	STEEL BEAM GUARDRAIL, TL-3
34.2.1	STEEL BEAM GUARDRAIL, TL-2
34.2.2	STEEL BEAM GUARDRAIL DOUBLE FACE ASSEMBLY
34.2.5	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
34.3.0	STEEL BEAM GUARDRAIL APPROACH END TREATMENT
34.3.1	STEEL BEAM GUARDRAIL TERMINAL END SECTION
34.3.2	STEEL BEAM GUARDRAIL ANCHORAGE TRAILING END SECTION
34.3.3	STEEL BEAM GUARDRAIL THRIE BEAM TRANSITION PANEL
34.3.4	STEEL BEAM GUARDRAIL CONNECTION TO NEW END POST
34.3.5	GUARDRAIL CONNECTION TO EXISTING END POST APPROACH END SECTION
34.3.6	GUARDRAIL CONNECTION TO EXISTING END POST TRAILING END SECTION
34.3.7	STEEL BEAM GUARDRAIL TRANSITION TO RIGID BARRIER
34.3.8	MASH GUARDRAIL TRANSITION TO EXISTING GUARDRAIL
34.3.9	STEEL BEAM GUARDRAIL LONG SPAN, TL-3
34.5.3	STEEL THRIE BEAM GUARDRAIL SINGLE FACE
34.5.4	STEEL THRIE BEAM GUARDRAIL DOUBLE FACE
34.5.5	STEEL THRIE BEAM GUARDRAIL LONG SPAN
40.1.0	F SHAPE CONCRETE BARRIER DOUBLE FACE
40.2.0	F SHAPE CONCRETE BARRIER SINGLE FACE
40.2.1	F SHAPE CONCRETE BARRIER WITH CONCRETE SEPARATOR
40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT
40.4.0	PRECAST MEDIAN BARRIER FOR LIGHT STANDARD
40.5.0	BARRIER MOUNTED DELINEATOR
43.1.0	CEMENT CONCRETE SIDEWALK
43.2.0	BITUMINOUS CONCRETE SIDEWALK
43.3.0	WHEELCHAIR RAMP
43.3.1	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
43.4.0	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION 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 3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
BPS	BUILD NEW STRUCTURE OVER EXISTING PIPE
CCB	CLEAN CATCH BASIN
CCP	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 PAVEMENT AND RIGID BASE
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
NIC	NOT IN THIS CONSTRUCTION CONTRACT
NWB	FURNISH AND INSTALL NEW WATER GATE VALVE BOX
NWVB	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX
NWCB	FURNISH AND INSTALL NEW WATER CURB STOP BOX
NWSB	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
PCD	PERMANENT CHECK DAM
PS	4" PLANTABLE SOIL AND SEED
RCB	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
RCM	R.I.D.O.T. COMMUNICATIONS MANHOLE
RHH	REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
RLP	RELOCATE LAMP POST
RMB	RELOCATE MAILBOX (BY OTHERS)
RPM	REMOVE PAVEMENT MARKINGS
RRP	RIP-RAP PAD (SEE DETAIL)
RRS	REMOVE AND RELOCATE SIGN
RUP	RELOCATE UTILITY POLE (BY OTHERS)
SB	STONE BAFFLE
SBAE	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
SBTE	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
SD-	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
SF	REMOVE AND STOCKPILE FENCE
SGA	SPECIAL GRADED AGGREGATE
SGC	REMOVE AND STOCKPILE GRANITE CURB
SGR	REMOVE AND STOCKPILE GUARDRAIL
SH	REMOVE AND STOCKPILE HYDRANT
SS	REMOVE AND STOCKPILE SIGN
STS	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
TB	CONCRETE THRUST BLOCK
TEP	TIE EXISTING PIPE INTO NEW STRUCTURE
TNP	TIE NEW PIPE INTO EXISTING STRUCTURE
TBT	THRIE BEAM TRANSITION
TBBC	THRIE BEAM BRIDGE CONNECTION
TT	TREE TRIMMING
WCM	4" WOOD CHIP MULCH
4DY	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
6W	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE
12W	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
6WT	6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)
4Y	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
6Y	6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
P.G.L.	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: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Jacqueline D. Wenech

Environmental Management MAR - 5 2025 Water Resources

THIS PLAN SHALL NOT BE ALTERED

LYNCH | WSP | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY: -
CHECKED BY: --
DATE: 02/20/2025
SHEET: 2
OF: 67

SCALE: NONE

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

REVISIONS NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STANDARD PLAN SYMBOLS AND STANDARD LEGEND

2604Y_V1_002_STDSYM

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	3	67

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 PAVER 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 RIPDES 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 RESTABILIZED 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 ABUTTING 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 ILLICIT 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 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.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jonathan D. Stancheck

Environmental Management
MAR - 5 2025
Office of Water Resources

THIS PLAN SHALL NOT BE ALTERED

LYNCH | WSP | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY: –
CHECKED BY: –
DATE: 02/20/2025
SHEET: 3
OF: 67

SCALE: NONE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	4/07	TRB	4	12/22	JRP
2	3/10	RBH			
3	4/14	MLP			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STANDARD NOTES - 1

2604Y_V1_003_STDNOTES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	4	67

LANDSCAPE NOTES:

1. 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.
2. 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.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. 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.
5. 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.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6'–8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.
9. 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

1. 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, LUMINARIES, AND TRAFFIC SIGNALS, INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

CONSTRUCTION DRAWINGS AND DETAILS

1. 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."
2. 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.
3. 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:

1. 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.
2. BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
10. 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.
11. 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.
12. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
13. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
14. TRAFFIC SIGNAL CONTROLLERS AND CABINETS SHALL BE PROGRAMMED AND WIRED SO THAT ANY FIRE PRE–EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
15. 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:

1. 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.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. 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.
4. 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.
5. POLICE OFFICERS AND FLAGPERSONS SHALL BE UTILIZED AS OUTLINED IN SECTIONS 913 & 914 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 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.
7. 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.
8. 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."
9. 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.
10. 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.
11. 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–PLANED 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
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR – 5 2025
Office of Water Resources

THIS PLAN SHALL NOT BE ALTERED

LYNCH | wsp | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY: –
CHECKED BY: –
DATE: 02/20/2025
SHEET: 4
OF: 67

SCALE: NONE

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 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STANDARD NOTES - 2

2604Y_V1_004_STDNOTES02

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	5	67

JOB SPECIFIC LEGEND

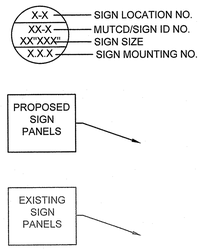
7.2.3	PRECAST CONCRETE LOT CURB
43.3.0	RI STANDARD 43.3.0 - WHEELCHAIR RAMP
43.3.1	RI STANDARD 43.3.1 - WHEELCHAIR RAMP FOR LIMITED RIGHT OF WAY AREAS
43.3.2	RI STANDARD 43.3.2 - RAMP LANDING FOR NARROW SIDEWALK
43.3.2M	RI STANDARD 43.3.2 - RAMP LANDING FOR NARROW SIDEWALK - ONE SIDED
43.4.XMX	MODIFIED DRIVEWAY DETAILS (SEE GENERAL DETAILS SHEET)
43.5.0M	MODIFIED CEMENT CONCRETE DRIVEWAYS
AH	ABANDON HEADWALL
AMH	ABANDON MANHOLE
AP	ABANDON PIPE
APW	ADJUST PRIVATE WALKWAY TO GRADE
BRK	BRICK
BT-1	BARRIER TRANSITION 54" F-SHAPE SINGLE FACE BARRIER TO 42" F-SHAPE DOUBLE FACE BARRIER
BT-2	BARRIER TRANSITION 54" VERTICAL SHAPE BARRIER TO 42" F-SHAPE SINGLE FACE BARRIER
CEP	CONNECT TO EXISTING PIPE
CFS	COMPOST FILTER SOCK 12" DIAMETER
DS	REMOVE AND DISPOSE OF TREE STUMP
DT	REMOVE AND DISPOSE OF TREE OR BUSH
DRP	REMOVE AND DISPOSE RIGID PAVEMENT
ETR	EXISTING TO REMAIN
ISCD	INLET SEDIMENT CONTROL DEVICE
IP	INLET PROTECTION
ME	MATCH EXISTING
MO-1	MICROMILLING AND PAVEMENT OVERLAY 1½" PAVEMENT MICROMILLING 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
OHSS	OVERHEAD SIGN STRUCTURE
P-1	FULL DEPTH PAVEMENT (2) COURSES OF 1½" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS 7" CLASS 19.0 HMA WITH PAY ADJUSTMENTS 12" GRAVEL BORROW SUBBASE
P-2	FULL DEPTH PAVEMENT (I-95 & I-295) 1½" FRICTION COURSE 1½" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS 8" CLASS 19.0 HMA WITH PAY ADJUSTMENTS 12" GRAVEL BORROW SUBBASE
P-3	FULL DEPTH PAVEMENT (I-95 & I-295) 8" PCC 12" GRAVEL BORROW SUBBASE
PGUY	MODIFY EX.GUY WIRE WITH PEDESTRIAN STRUT
PI	PARKING IMPACTS
PMM	PAVEMENT MILLINGS MULCH
PRW	PROPOSED RIGHT OF WAY
PT-1	PAVEMENT TRANSITION - FULL DEPTH TO MICROMILLING AND OVERLAY (SEE GENERAL DETAILS 4)
PT-2	PAVEMENT TRANSITION - MICROMILLING TO EXISTING PAVEMENT (SEE GENERAL DETAILS 4)
PT-3	PAVEMENT TRANSITION - FULL DEPTH TO EXISTING PAVEMENT (SEE GENERAL DETAILS 4)
RDS	RECONSTRUCT DRAINAGE STRUCTURE
RFH	RELOCATE FIRE HYDRANT
RGC	REMOVE AND RESET GRANITE CURB
RP	RIGID PAVEMENT
RRC	REMOVE AND RELOCATE COBBLESTONES/PRIVATE CURBING
RRFB	RECTANGULAR RAPID FLASHING BEACONS
RTG	REMOVE, CLEAN, RESET TREE GRATE
RTG- 2	REMOVE AND DISPOSE OF TREE GRATE
SC-1	FULL DEPTH SAWCUT OF BITUMINOUS CONCRETE
SC-2	SAWCUT AND MATCH EXISTING
TEB	TEMPORARY EASEMENT BOUNDARY LINE
TIA	TEMPORARY IMPACT ATTENUATOR
TRP	TREE ROOT PRUNING
TT	PROPOSED TREE AND SHRUB TRIMMING
WCR X-X	WHEEL CHAIR RAMP
WVR	TECHNICAL INFEASIBILITY WAVIER REQUIRED FOR SIDEWALK

JOB SPECIFIC PLAN SYMBOLS

EXISTING / NEW

- COMPOST FILTER SOCKS
- CONCRETE MEDIAN BARRIER (SECTION VIEW)
- STEEL BEAM GUARDRAIL (SECTION VIEW)
- DETECTABLE WARNING PANEL - RI STANDARD 48.1.0
- CONCRETE SIDEWALK - RI STANDARD 43.1.0
- COMPOST FILTER SOCK
- POTENTIAL STOCKPILE AREA
- BUFFER ZONE

JOB SPECIFIC PROPOSED SIGN



JOB SPECIFIC SIGN MOUNTING LEGEND

CT	CANTILEVER OVERHEAD SIGN MOUNT
CTB1	CONCRETE TRANSITION BARRIER - CAST IN PLACE R.I. STD. 40.2.1 F SHAPE CONCRETE BARRIER SINGLE FACE TRANSITION TO EXISTING F SHAPE CONCRETE BARRIER SINGLE FACE

JOB SPECIFIC SIGNING AND STRIPING LEGEND

6BW	6" BROKEN EPOXY RESIN PAVEMENT MARKINGS WITH 10' LINE SEGMENTS AND 30' SPACES - WHITE
6DW	6" DOTTED EPOXY RESIN PAVEMENT MARKINGS WITH 2' LINE SEGMENTS AND 4' SPACES - WHITE
6DW2	6" DASHED EPOXY RESIN PAVEMENT MARKINGS WITH 3' LINE SEGMENTS AND 9' SPACES - WHITE
12DIW	12" DIAGONAL EPOXY RESIN PAVEMENT MARKINGS WITH 10' ON CENTER CROSS HATCHING AT 45 DEGREE ANGLES - WHITE
12DIY	12" DIAGONAL EPOXY RESIN PAVEMENT MARKINGS WITH 10' ON CENTER CROSS HATCHING AT 45 DEGREE ANGLES - YELLOW
CW	EPOXY RESIN CROSSWALK PAVEMENT MARKINGS - R.I. STD. 20.3.0 - WHITE
LA	EPOXY RESIN PAVEMENT MARKING ARROW - LEFT R.I. STD. 20.1.0 - WHITE
ONLY	EPOXY RESIN PAVEMENT MARKING ONLY - R.I. STD. 20.1.0 - WHITE
RA	EPOXY RESIN PAVEMENT MARKING ARROW - RIGHT R.I. STD. 20.1.0 - WHITE
SA	EPOXY RESIN PAVEMENT MARKING ARROW - STRAIGHT R.I. STD. 20.1.0 - WHITE
TWLTL	EPOXY RESIN PAVEMENT MARKING - TWO-WAY LEFT-TURN LANE
12Y	12" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
12DW2	12" DASHED EPOXY RESIN PAVEMENT MARKINGS WITH 3' LINE SEGMENTS AND 9' SPACES - WHITE
YM	RI DOT STANDARD 20.4.0 - EPOXY RESIN PAVEMENT MARKING - YIELD MARKS
4DSY	4" DOTTED EPOXY RESIN PAVEMENT MARKINGS WITH 2' LINE SEGMENTS AND 4' SPACES - YELLOW
4DDY	4" DOTTED EPOXY RESIN PAVEMENT MARKINGS WITH 2' LINE SEGMENTS AND 4' SPACES - DOUBLE YELLOW
4BY	4" BROKEN EPOXY RESIN PAVEMENT MARKINGS WITH 10' LINE SEGMENTS AND 30' SPACES - YELLOW

JOB SPECIFIC GENERAL NOTES

1. ALL ITEMS NOT REFERENCED FOR MODIFICATION ON THE PLANS OR IN THE CONTRACT DOCUMENTS WILL BE "EXISTING TO REMAIN" (ETR) UNLESS OTHERWISE DIRECTED BY THE OWNER REPRESENTATIVE.
2. ALL EQUIPMENT AND MATERIALS SHALL BE PLACED AN ADEQUATE DISTANCE (AS DETERMINED BY THE OWNER'S REPRESENTATIVE) FROM THE ROADWAY TO AVOID INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC SO AS NOT TO CAUSE A SAFETY HAZARD. ALL WORKZONES SHALL BE BEHIND BARRIERS AS SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS.
3. THE DB ENTITY SHALL EXERCISE CARE WHEN WORKING IN THE AREA OF EXISTING HIGHWAY BOUNDS. ANY HIGHWAY BOUNDS DISTURBED OR DESTROYED AS A RESULT OF THE DB ENTITY'S ACTIONS SHALL BE RESET OR REPLACED BY THE DB ENTITY AND IN CONFORMANCE WITH SECTION 915. OF THE R.I. STANDARD SPECIFICATIONS.
4. THE DB ENTITY SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, FENCES, AND WALKS THAT ARE ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR CONSTRUCTION OR REPLACEMENT. WHERE INDICATED OR DIRECTED, NEW SIDEWALKS SHALL MEET SAID BUILDINGS, WALLS, AND FENCES UNLESS OTHERWISE SPECIFIED.
5. THE DB ENTITY SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY EXISTING VEGETATION WHICH OVERHANGS OR IS ADJACENT TO THE CONSTRUCTION ZONE. ANY DAMAGE THAT IS CAUSED BY THE DB ENTITY'S NEGLIGENCE WILL BE FIXED AT THEIR OWN EXPENSE.
6. UNLESS NOTED AS OTHERWISE, THE DB ENTITY SHALL AVOID IMPACTS TO EXISTING TREES EXCEPT WHERE NOTED TO BE CUT AND DISPOSED. USE RIDOT STANDARD TREE PROTECTION DEVICES FOR TREES SUBJECT TO POTENTIAL IMPACTS FROM NEARBY CONSTRUCTION ACTIVITIES.
7. THE DB ENTITY SHALL PROVIDE INLET SEDIMENT CONTROL DEVICES (ISCD) AT ALL CATCH BASINS IN PAVED AREAS THAT RECEIVES STORMWATER FLOW FROM CONSTRUCTION ACTIVITIES AND WHENEVER THE PAVEMENT SUBBASE IS EXPOSED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. INLET SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
8. ACCESS POINTS TO PERMEABLE SURFACES AND ACCESS POINTS AT AREAS SUBJECT TO EROSION SHALL BE STABILIZED TO AVOID DAMAGE TO THE GROUND AND EXCESSIVE COMPACTION. CONFER WITH RIDOT AND THE OWNER'S REPRESENTATIVE REGARDING WHICH STABILIZATION METHOD SHOULD BE REMOVED AT THE END OF THE CONSTRUCTION DURATION.
9. THE DB ENTITY SHALL NOT STORE EQUIPMENT OR MATERIALS WITHIN THE DRIP LINE OF ANY TREES OR SHRUBS THAT ARE TO REMAIN.
10. THE DB ENTITY IS SOLELY RESPONSIBLE FOR PROTECTING FRESHLY PLACED CONCRETE SIDEWALKS FROM DAMAGE UNTIL THE CONCRETE HAS CURED SUFFICIENTLY. COSTS TO REPLACE DAMAGE TO FRESHLY PLACED CONCRETE WILL BE THE DB ENTITY'S RESPONSIBILITY.
11. ANY SIDEWALK, ROADWAY OR DRIVEWAYS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN KIND BY THE DB ENTITY AT NO ADDITIONAL COST.
12. DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE.
13. THE DB ENTITY SHALL NOTIFY IN WRITING ALL PROPERTY OWNERS ABUTTING THE SIDEWALK WORK 48 HOURS PRIOR TO COMMENCING WORK.
14. ALL PROPOSED GUARDRAIL AND IMPACT DEVICES SHALL CONFORM TO THE MANUAL FOR ASSESSING SAFETY HARDWARE 2016 (M.A.S.H.) REQUIREMENTS AND AS DETAILED ON CONTRACT PLANS.
15. PER RIDOT STANDARD SPECIFICATIONS, CLEAR AND GRUB ALL AREAS WITHIN FILL LOCATIONS AND LESS THAN 3 FEET IN HEIGHT TO SUBGRADE WITHIN THE LIMITS OF DISTURBANCE OF THE PROJECT. AFTER CLEARING AND GRUBBING, THE AREA SHALL BE STABILIZED AND FINISHED WITH 4" PLANTABLE SOIL AND SEED.
16. STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATORS (R.I. STD. 34.2.5) SHALL BE FURNISHED AND INSTALLED ON ALL NEW GUARDRAIL INSTALLATIONS AT 37'-6" SPACING.
17. NO LONGITUDINAL DROP-OFFS WILL BE ALLOWED TO REMAIN BETWEEN LANES DURING NON-CONSTRUCTION HOURS. THE CONTRACTOR SHALL SCHEDULE THE MICROMILLING OPERATIONS TO PROVIDE A CONSISTENT FULL-WIDTH PAVEMENT SURFACE AT THE END OF THE WORK DAY.
18. PAVING MATERIALS WILL BE TEMPORARILY STOCKPILED IN APPROVED AREAS.
19. FOR GRANITE CURB INSTALLATIONS, THE CONTRACTOR MAY ALTERNATIVELY REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT (ALL TYPES) WHERE FEASIBLE AND APPROVED BY THE OWNER'S REPRESENTATIVE. NEW CURB TO BE INSTALLED WHERE THE AMOUNT OF EXISTING CURB BECOMES INSUFFICIENT. THE WORK SHALL CONFORM TO SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
20. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160' OR LESS. STRAIGHT CURB SHALL BE USED ON CURVES WITH RADII GREATER THAN 160'.
21. DOUBLE NESTED GUARDRAIL AND ELIMINATION OF GUARDRAIL POSTS SHALL BE INSTALLED WHERE GUARDRAIL POSTS INTERFERE WITH UNDERGROUND DRAINAGE PIPES AND UTILITIES OR OTHER CONCRETE STRUCTURES.
22. NEW GUARDRAIL RUNS WITH APPROACH END TERMINALS AND TRAILING END SECTIONS SHALL HAVE RED AND GREEN DELINEATORS.
23. ALL CONCRETE BARRIER IS TO BE FIELD COATED AFTER FINAL INSTALLATION WITH A CONCRETE PENETRATE/SEALER. CONCRETE SHALL CURE NOT LESS THAN 28 DAYS PRIOR TO COATING.
24. R.O.W SHOWN IS BASED ON GIS DATA AND IS APPROXIMATE.
25. ALL EXISTING MAIL BOXES WITHIN PROPOSED SIDEWALK LIMITS TO BE RELOCATED. DB ENTITY SHALL COORDINATE PROPOSED LOCATIONS WITH OWNER.
26. ALL CURB RAMPS TO HAVE DETECTABLE WARNING PANELS IN ACCORDANCE WITH RI STANDARD 48.1.0
27. CONTRACTOR TO INSTALL TREE PROTECTION DEVICES (RI STANDARD 51.1.1) FOR ALL EXISTING TREES WITH DRIP LINES LOCATED WITHIN THE LIMITS OF DISTURBANCE.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JOB SPECIFIC DRAINAGE AND UTILITY NOTES

1. ALL REINFORCED CONCRETE PIPE SHALL BE AASHTO. CLASS III WITH MORTAR JOINTS UNLESS OTHERWISE NOTED.
2. ALL EXISTING DRAIN PIPES, CATCH BASINS, AND DRAIN MANHOLES TO REMAIN WITHIN THE PROJECT LIMITS ARE TO BE CLEANED AS NEEDED IN ACCORDANCE WITH THE R.I. STANDARD SPECIFICATIONS.
3. ALL CLEANING AND FLUSHING OF PIPE SHALL BE COMPLETED PRIOR TO CLEANING CATCH BASINS OR MANHOLES.
4. SANITARY SEWER, GAS, WATER AND OTHER UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
5. WHERE APPLICABLE, DB ENTITY TO FIELD VERIFY ELEVATIONS OF EXISTING UTILITIES TO REMAIN AND PROVIDE ADEQUATE COVER.
6. UNLESS NOTED OTHERWISE, ALL EXISTING HIGHWAY LIGHTING AND APPURTENANCES (HANDHOLES, CONDUIT, ETC.) ARE TO REMAIN.
7. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. DB ENTITY IS TO ASSUME THAT OTHER SERVICES ARE PRESENT TO ALL BUILDINGS. LOCATIONS OF THE SERVICES WILL BE CHECKED BY THE DB ENTITY WITH THE APPROPRIATE UTILITY COMPANIES.
8. ALL EXISTING MANHOLES, CATCH BASINS, ROADWAY BOXES, AND SIDEWALK CURB STOPS FOR ALL UTILITIES WITHIN THE PROJECT WORK LIMITS SHALL BE ADJUSTED TO GRADE AS REQUIRED EXCEPT WHERE REPLACEMENT OR RECONSTRUCTION IS CALLED FOR ON THE PLANS, IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE OWNERS REPRESENTATIVE.
9. IN AREAS WHERE EXISTING GRANITE APRON AND/OR INLET STONES ARE TO REMAIN, THE MINIMUM GUTTER OPENING PER THE R.I. STANDARD DETAILS MUST BE OBTAINED AND MAINTAINED.
10. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE DB ENTITY, AND THE INFORMATION FURNISHED TO THE OWNER'S REPRESENTATIVE FOR RESOLUTION OF THE CONFLICT.
11. ALL INLETS WITHIN THE PROJECT LIMITS SHALL BE EQUIPPED WITH SILT SACK INLET PROTECTION.
12. 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 NATIVE 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.

JOB SPECIFIC EROSION CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE PUT IN PLACE PRIOR TO COMMENCING WORK.
2. FOR FILL SLOPES BETWEEN 1:4 AND 1:3, INSTALL AN EROSION CONTROL BLANKET FOR SLOPE PROTECTION. FOR FILL SLOPES BETWEEN 1:3 AND 1:2, INSTALL A TURF REINFORCEMENT MATTING FOR SLOPE PROTECTION.
3. COMPOST FILTER SOCKS SHALL BE INSTALLED, IN LIEU OF R.I. STD. 9.8.0 BALED HAY INLET PROTECTION, AROUND AT ALL CATCH BASINS IN VEGETATED AREAS AND DRAINAGE SWALES SUBJECT TO STORMWATER FLOW FROM CONSTRUCTION ACTIVITIES.
4. IN ORDER TO PREVENT CLOGGING IN THE ROADWAY AND SEDIMENT INTRUSION INTO THE DRAINAGE SYSTEM, ALL INLET SEDIMENT CONTROL DEVICES SHALL BE CLEANED OR REPLACED REGULARLY UNTIL THE CONTRIBUTING AREA HAS BEEN STABILIZED. THE INLET SEDIMENT CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
5. CONCRETE WASHOUT DISCHARGED INTO DRAINAGE SYSTEMS IS PROHIBITED. THE DB ENTITY MUST PROVIDE A DESIGNATED CONCRETE WASHOUT AREA.

JOB SPECIFIC SIGN & PAVEMENT MARKING NOTES

1. ALL NEW REGULATORY, WARNING, AND GUIDE SIGNS SHALL HAVE NEW SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0. GROUND MOUNTED POSTS FOR STREET NAME SIGNS SHALL BE R.I. STD 24.6.1.
2. SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7' OVER THE SIDEWALK.
3. ALL SIGN RADII, BORDERS, AND ARROWS SHALL BE AS SPECIFIED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), WITH ALL REVISIONS, AS IF ATTACHED AND WRITTEN IN FULL AND/OR AS MAY BE MODIFIED BY THIS DOCUMENT SET.
4. THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), WITH ALL REVISIONS, AS IF ATTACHED AND WRITTEN IN FULL AND/OR AS MAY BE MODIFIED BY THIS DOCUMENT SET.
5. PROPOSED SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. ANY CONFLICTS IDENTIFIED BY THE CONTRACTOR SHALL BE PRESENTED TO THE ENGINEER FOR FINAL DETERMINATION.
6. CONTRACTOR SHALL REMOVE AND RELOCATE SIGNS LOCATED WITHIN THE EXISTING AND PROPOSED SIDEWALK LIMITS WHEREVER POSSIBLE TO ATTAIN A 48" UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE.

JOB SPECIFIC TRAFFIC CONTROL SIGNAL NOTES

1. ANY TRAFFIC SIGNAL ACTUATION DEVICES AFFECTED BY CONSTRUCTION (SUCH AS MILLING OPERATIONS) SHALL BE REPLACED IMMEDIATELY OR WITH ALTERNATE MEANS TO PROVIDE SIGNAL ACTUATION.
2. IF NEEDED, EXACT LIMITS OF MILLING AND PAVING SHALL BE FIELD ADJUSTED TO ENSURE NO DAMAGE TO EXISTING LOOP DETECTORS TO REMAIN.

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY: –
CHECKED BY: –
DATE: 02/20/2025
SHEET: 5
OF: 67

SCALE: NONE

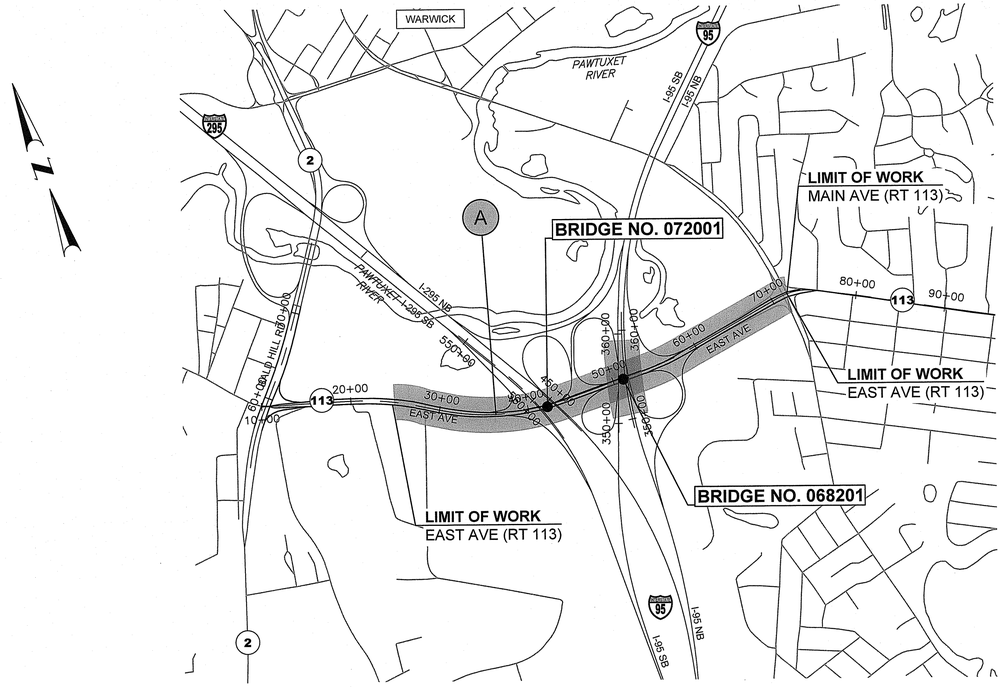
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

JOB SPECIFIC NOTES AND LEGEND

2604Y_V1_005_JSNOTSYM

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	6	67



INCIDENTAL CONSTRUCTION WORK			
ID	LOCATIONS	WORK DESCRIPTION	WORK LIMITS
A	EAST AVE (RI 113) I-95 NB & SB	SIDEWALK REPAIRS, ADA COMPLIANT WHEELCHAIR RAMPS, INTERSECTION IMPROVEMENTS AT CCRI AND BALDHILL ROAD - (2) NEW CCTV CAMERAS AND (1) NEW DMS	RI 5

BRIDGE STRUCTURES AND ASPHALT PAVEMENT WORK				
ID	LOCATION	WORK DESCRIPTION	WORK LIMITS	LENGTH (FT)
A	EAST AVE (RI 113) I-95 NB & SB	REPLACE BRIDGE 720, REPLACE BRIDGE 682 FULL-DEPTH RECONSTRUCTION MICROMILL AND OVERLAY	RI 2 TO RI 5	6,000±

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY: ----
CHECKED BY: ----
DATE: 02/20/2025
SHEET: 6
OF: 67

SCALE: 1"=800'
GRAPHIC SCALE 400 0 200 400 800 1600

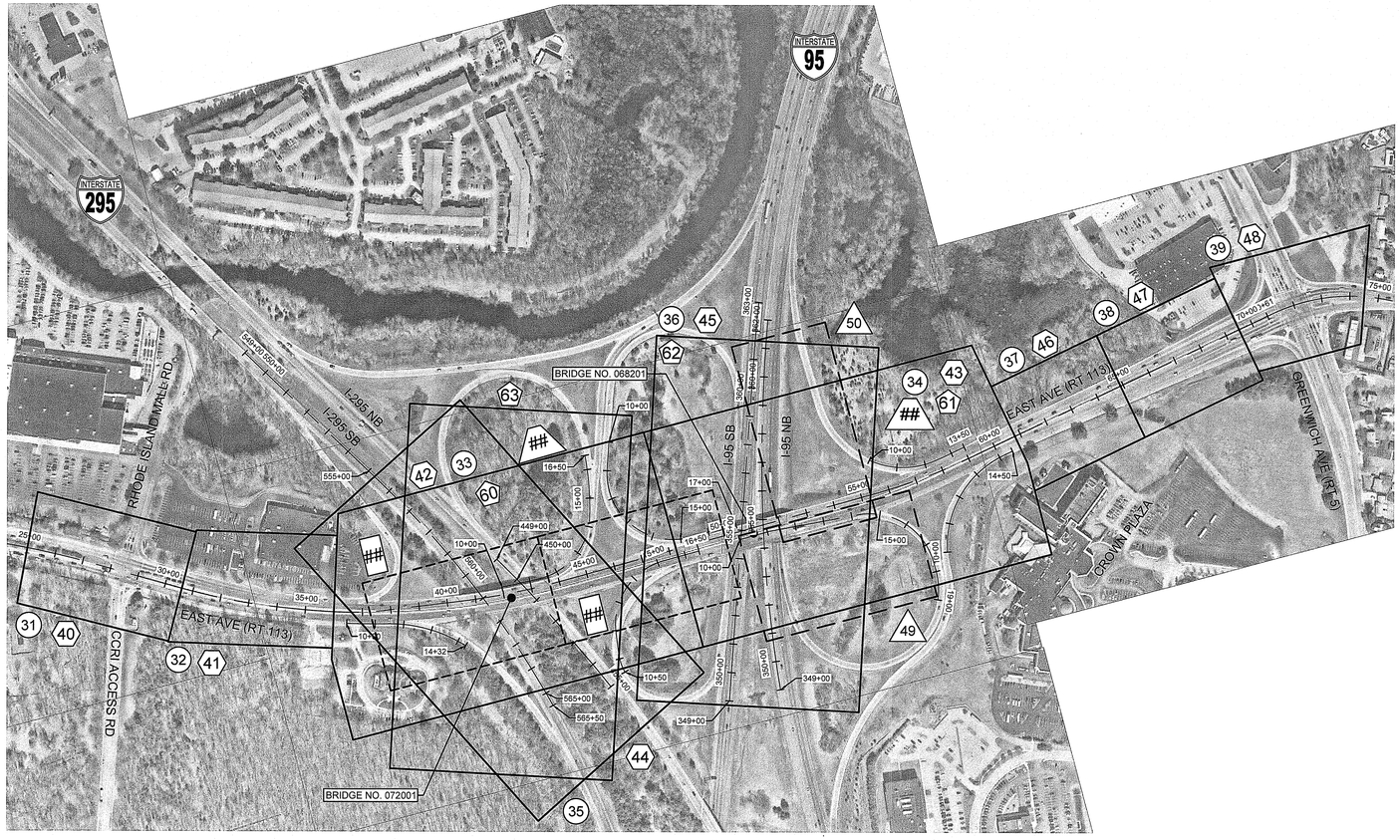
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

ALIGNMENT PLAN

2604Y_V1_006_ALIGN

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	7	67



KEY LEGEND:

- (#) - GENERAL PLAN
- ⬡ # - DRAINAGE AND UTILITIES PLAN
- △ # - STORMWATER TREATMENT PLANS
- ⬡ ## - GRADING PLAN
- △ ## - LIGHTING PLAN
- ▭ ## - ITS PLAN

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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RI Department of Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH

wsp

RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
03/25

DESIGNED BY:	----
CHECKED BY:	----
DATE:	02/20/2025
SHEET:	7
OF:	67

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GRAPHIC SCALE

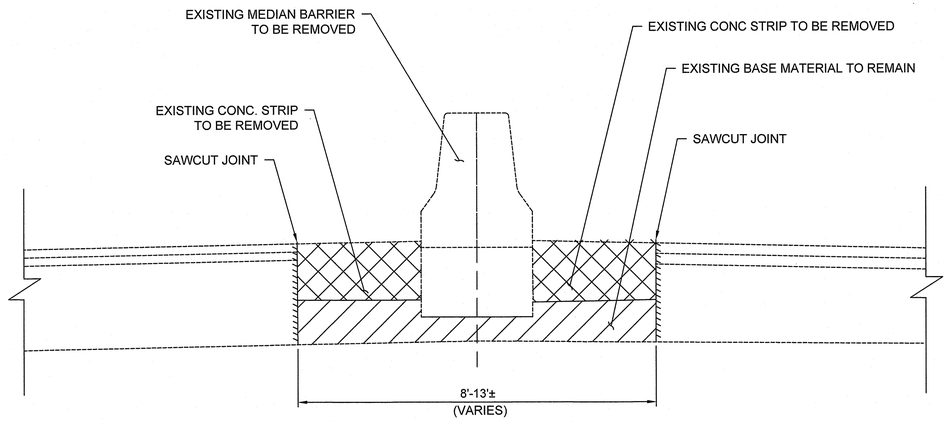
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

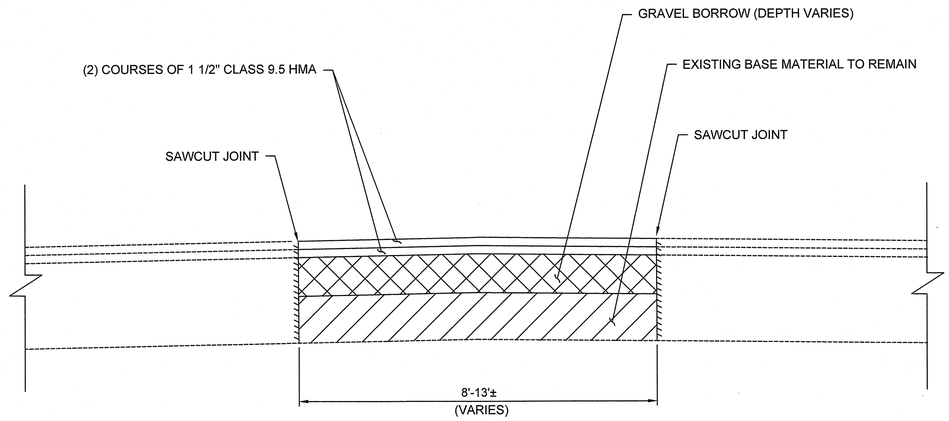
KEY PLAN

2604Y_V1_008_KEY

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	8	67



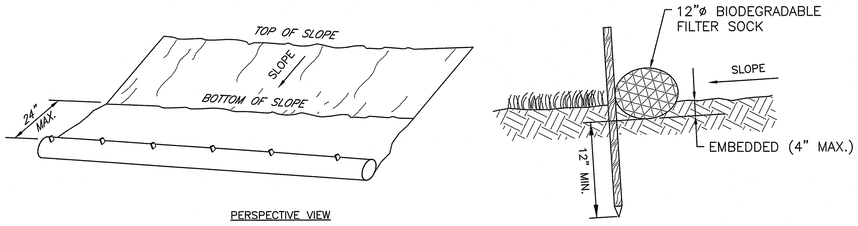
DEMOLITION



RESTORATION

PHASE 1B BARRIER REMOVAL EAST AVENUE (RI RTE. 113)

NOT TO SCALE



PERSPECTIVE VIEW

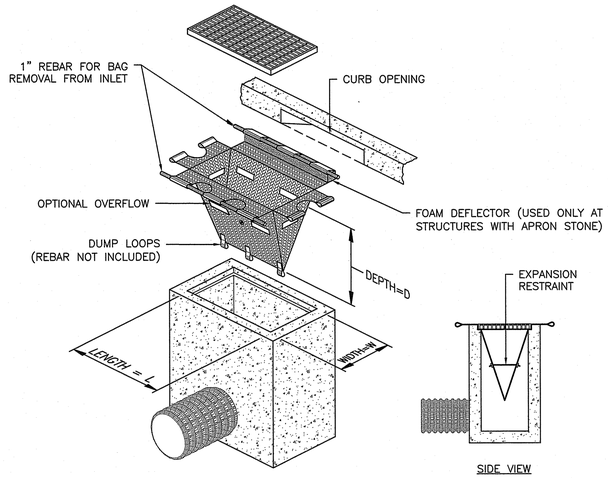
SECTION VIEW

NOTES:

1. FILTER SOCKS SHALL BE INSTALLED WHERE INDICATED ON THE GENERAL PLANS AND SHALL BE CONSTRUCTED OF 100% BIODEGRADABLE MATERIAL. A ROW OF FILTER SOCKS (WEIGHTED DOWN AND NOT STAKED) SHALL ALSO BE INSTALLED AROUND ANY SOIL STOCKPILE AREAS UTILIZED BY THE CONTRACTOR DURING CONSTRUCTION.
2. FILTER SOCKS SHALL BE TRENCHED APPROXIMATELY 4 INCHES AND STAKED SUCH THAT FILTER SOCKS DIRECTLY CONTACT SOIL AND PRECLUDE UNDERMINING OR BLOWOUTS. THE TRENCH SHALL BE APPROXIMATELY 9 INCHES WIDE. UNLESS SHOWN OTHERWISE, STAKES SHALL BE DRIVEN THROUGH THE CENTER OF THE COIR ROLL AT A SPACING OF 3–4 FEET ON CENTER AND NO GREATER THAN 6' FROM THE EACH END OF THE FILTER SOCKS. STAKES SHALL BE 1"x1" WOODEN STAKES WITH A LENGTH OF 18–24 INCHES. COMPACT SOIL EXCAVATED TO CREATE TRENCH ON UPHILL SIDE.
3. ENDS OF ADJACENT FILTER SOCKS SHALL BE TIGHTLY BUTTED OR OVERLAPPED SO THAT NO OPENING EXISTS FOR WATER TO PASS THROUGH. FILTER SOCKS SHALL BE FREE OF DAMAGE OR DEFECTS WHEN DELIVERED TO THE SITE. NO VEHICLES SHALL BE DRIVEN OVER FILTER SOCKS.

COMPOST FILTER SOCK DETAIL (CFS)

NOT TO SCALE



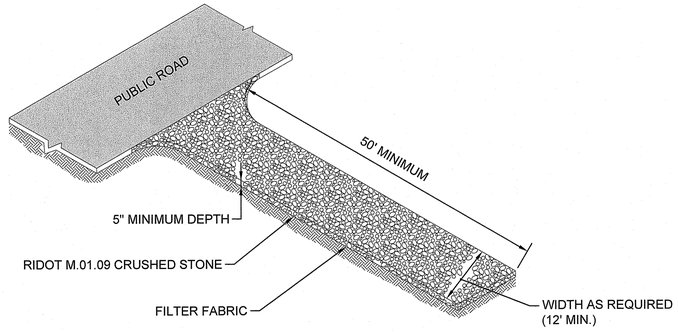
SIDE VIEW

NOTES:

1. MEASURE CATCH BASIN DIMENSIONS AND PROVIDE APPROPRIATELY–SIZED DEVICES PER MANUFACTURER'S REQUIREMENTS.
2. INSTALL INLET PROTECTION IN CATCH BASIN BEFORE COMMENCING ANY ROADWORK.
3. GRATE TO BE PLACED OVER INLET PROTECTION.
4. INLET PROTECTION SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS. CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TOPSOIL AND GRASS.

INLET SEDIMENT CONTROL DEVICE DETAIL (ISCD)

NOT TO SCALE



CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Crystal D. Wenzel

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | wsp | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	JM/NB
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	8
OF:	67

SCALE: NOT TO SCALE

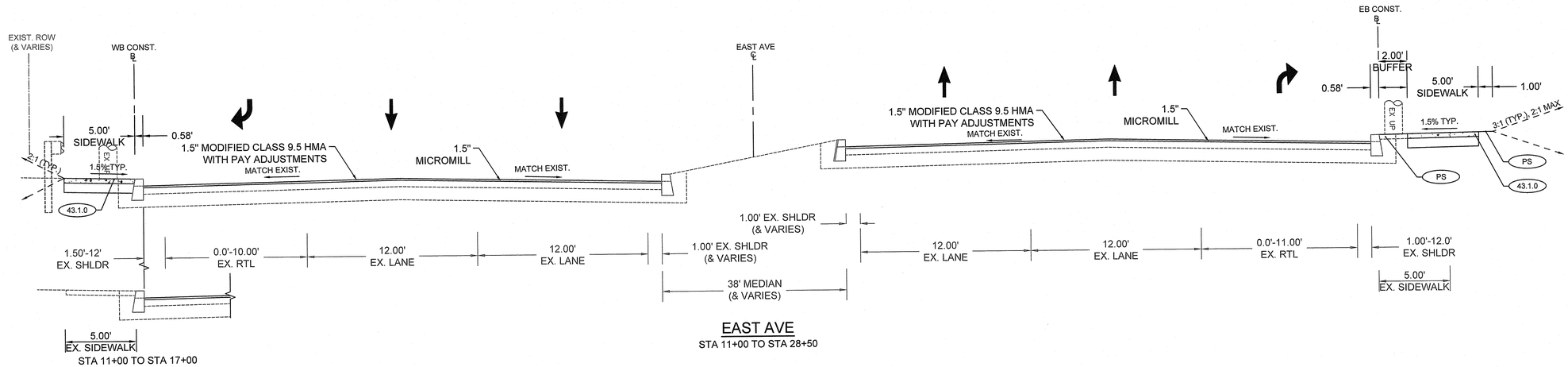
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL DETAILS

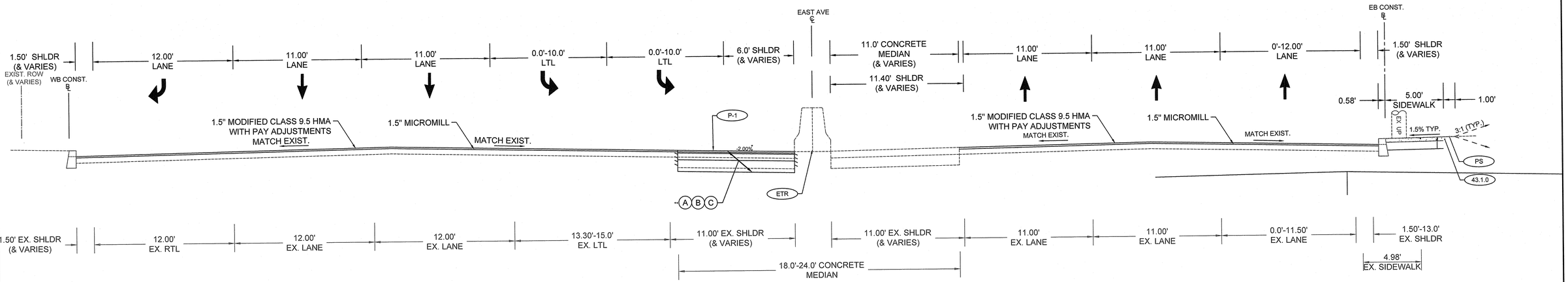
2604Y_V1_010_DETAIL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	9	67

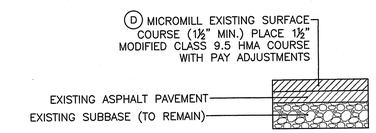


EAST AVE
STA 11+00 TO STA 17+00

STA 11+00 TO STA 28+50

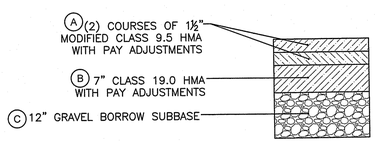


EAST AVE
STA 28+50 TO STA 36+00
* GRADE VARIES
** STA 30+49.49 TO 36+00



PAVEMENT MICROMILL AND OVERLAY DETAIL (MO-1)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

- (A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
- (B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS
- (C) – 12" GRAVEL BORROW SUBBASE

Environmental Management
MAR - 5 2025
Office of Water Resources

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	9
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

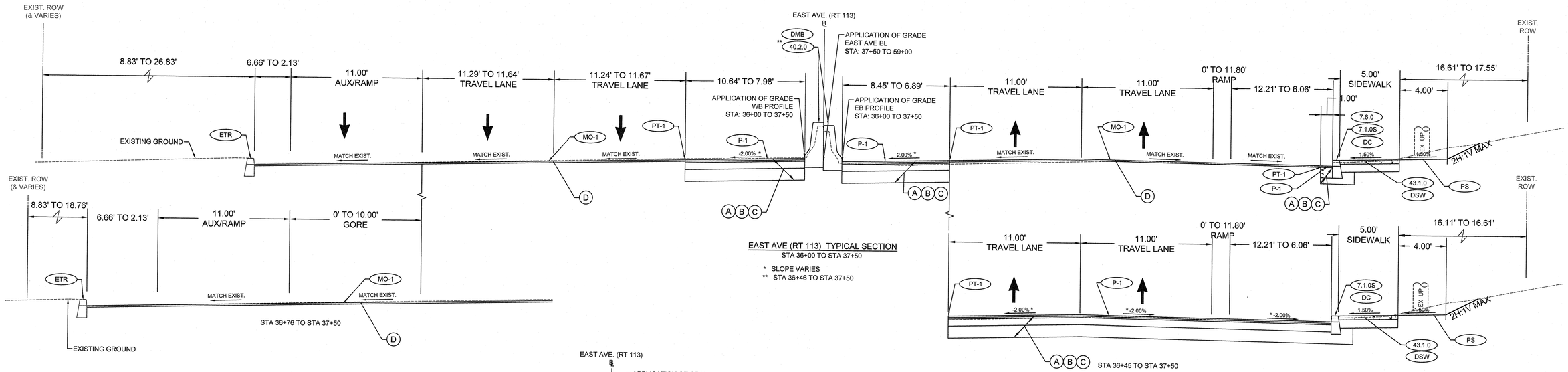
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 1

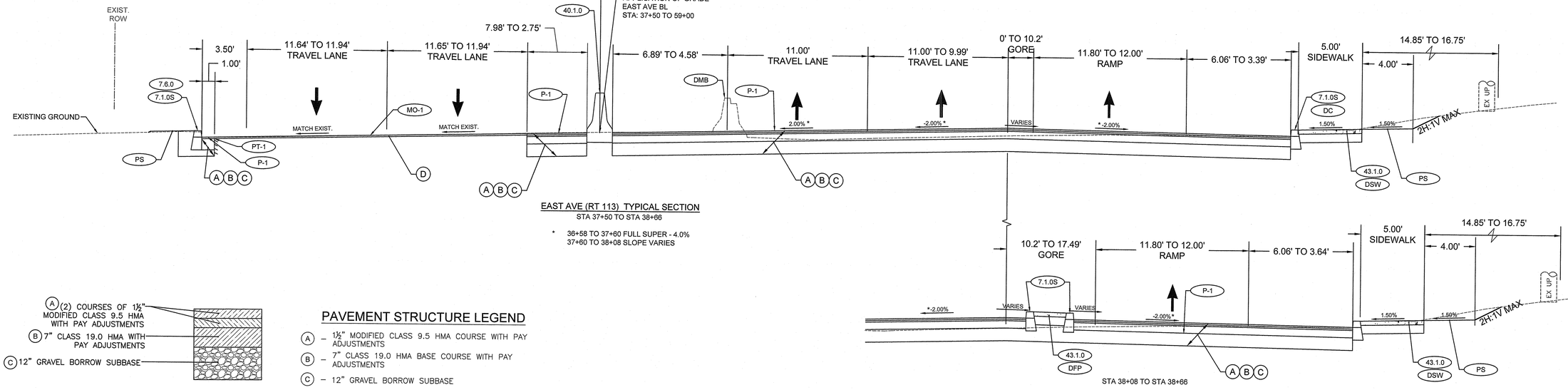
2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	10	67



EAST AVE (RT 113) TYPICAL SECTION
STA 36+00 TO STA 37+50

* SLOPE VARIES
** STA 36+46 TO STA 37+50



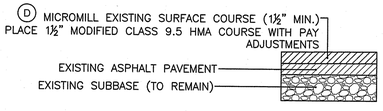
EAST AVE (RT 113) TYPICAL SECTION
STA 37+50 TO STA 38+66

* 36+58 TO 37+60 FULL SUPER - 4.0%
37+60 TO 38+08 SLOPE VARIES

FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

(A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
(B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS
(C) – 12" GRAVEL BORROW SUBBASE



PAVEMENT MICROMILL AND OVERLAY DETAIL (MO-1)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

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Jennifer D. Hersek

MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	10
OF:	67

SCALE: 1"=4'
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GRAPHIC SCALE

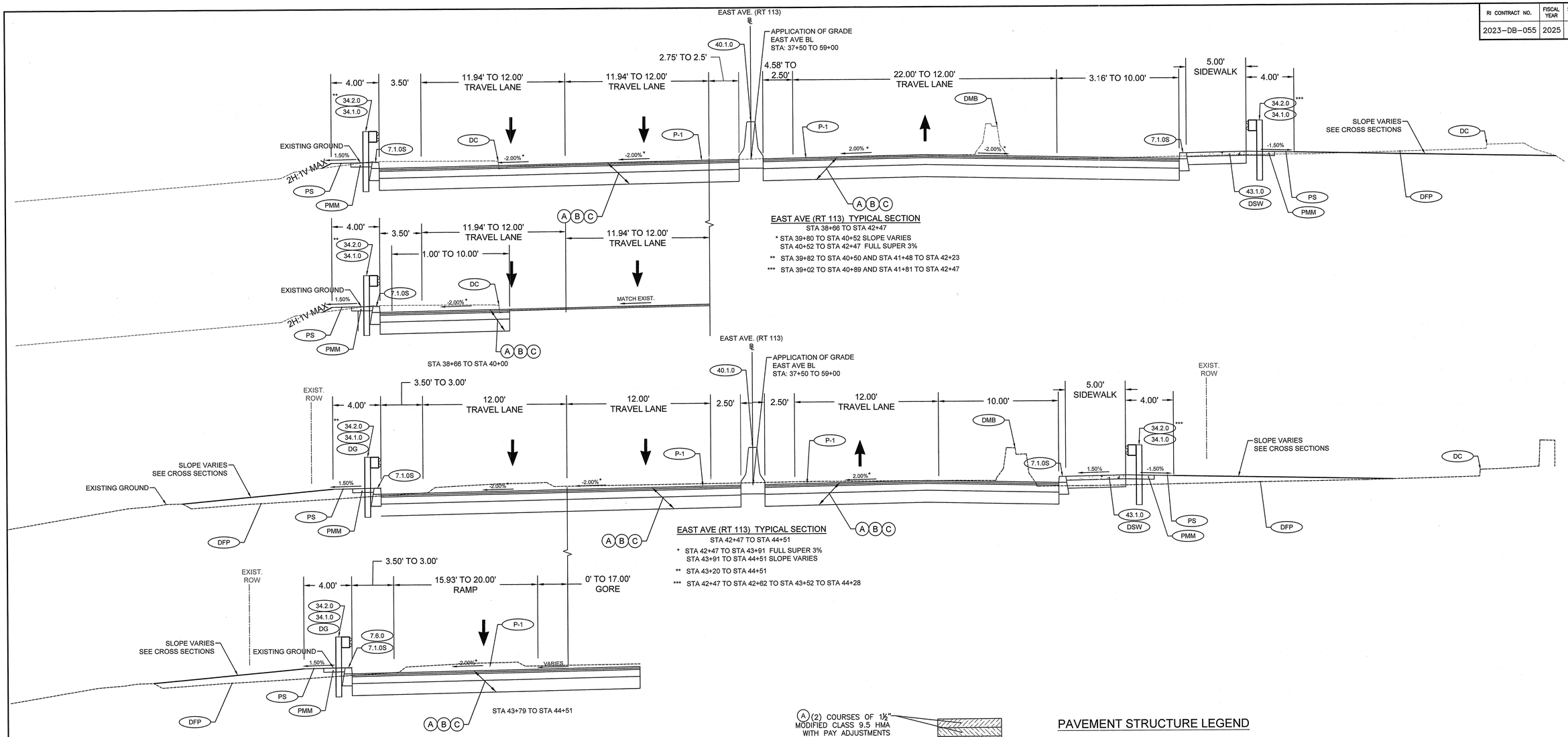
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

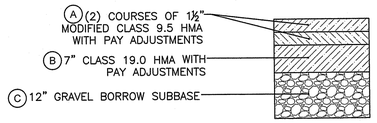
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 2

2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	11	67





FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

- (A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
- (B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS
- (C) – 12" GRAVEL BORROW SUBBASE

Environmental Management
MAR - 5 2025
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Jennifer D. Wenck

Environmental Management
MAR - 5 2025
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF RHODE ISLAND

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	11
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

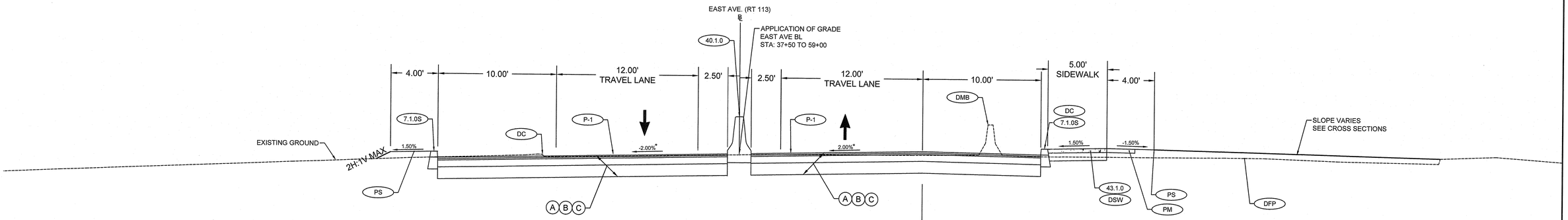
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

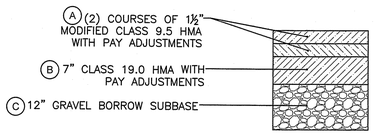
TYPICAL SECTION 3

2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	12	67



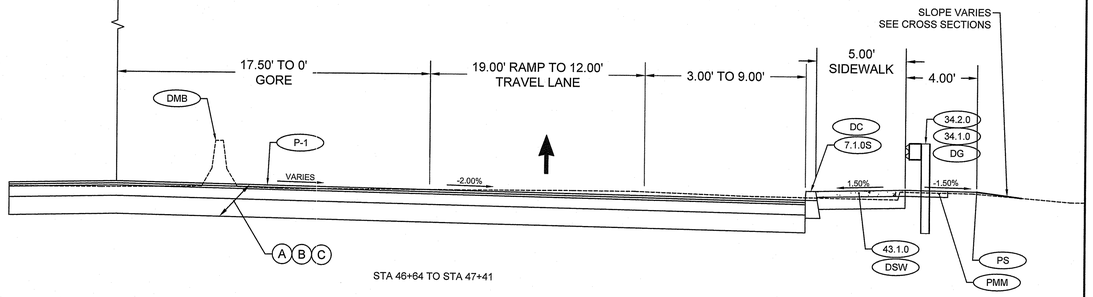
EAST AVE (RT 113) TYPICAL SECTION
STA 44+51 TO STA 47+41
* STA 44+51 TO 45+11 SLOPE VARIES



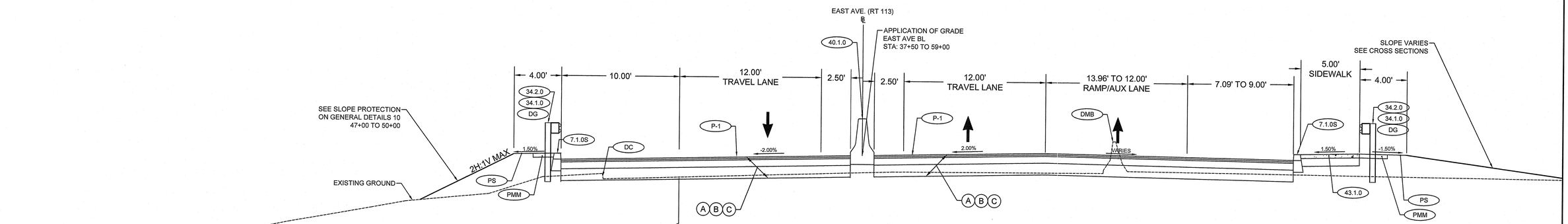
FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

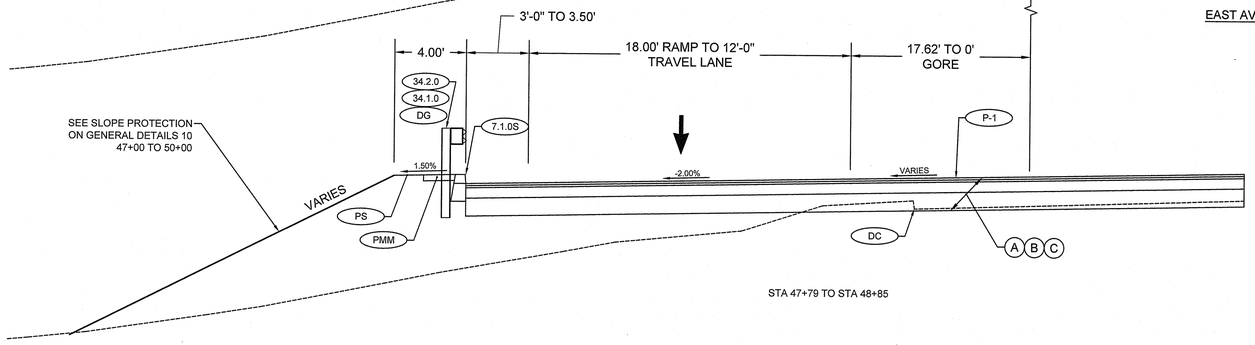
- (A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
- (B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS
- (C) – 12" GRAVEL BORROW SUBBASE



STA 46+64 TO STA 47+41



EAST AVE (RT 113) TYPICAL SECTION
STA 47+41 TO STA 48+85



STA 47+79 TO STA 48+85

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY: JM
CHECKED BY: SDG
DATE: 02/20/2025
SHEET: 12
OF: 67

SCALE: 1"=4'
GRAPHIC SCALE

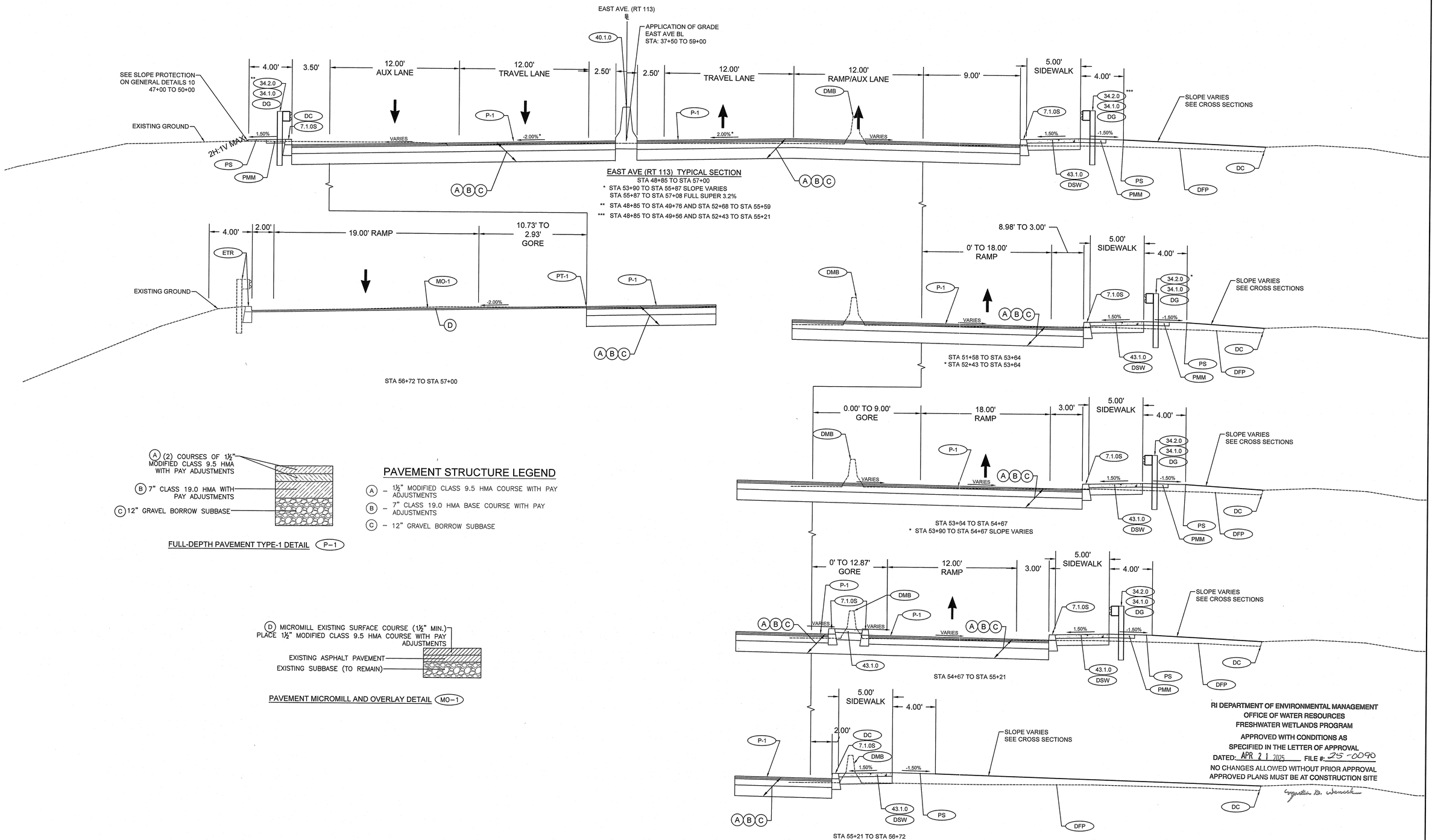
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 4

2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	13	67



(A) (2) COURSES OF 1½" MODIFIED CLASS 9.5 HMA WITH PAY ADJUSTMENTS

(B) 7" CLASS 19.0 HMA WITH PAY ADJUSTMENTS

(C) 12" GRAVEL BORROW SUBBASE

FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

(A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS

(B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS

(C) – 12" GRAVEL BORROW SUBBASE

(D) MICROMILL EXISTING SURFACE COURSE (1½" MIN.) PLACE 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS

EXISTING ASPHALT PAVEMENT

EXISTING SUBBASE (TO REMAIN)

PAVEMENT MICROMILL AND OVERLAY DETAIL (MO-1)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	13
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

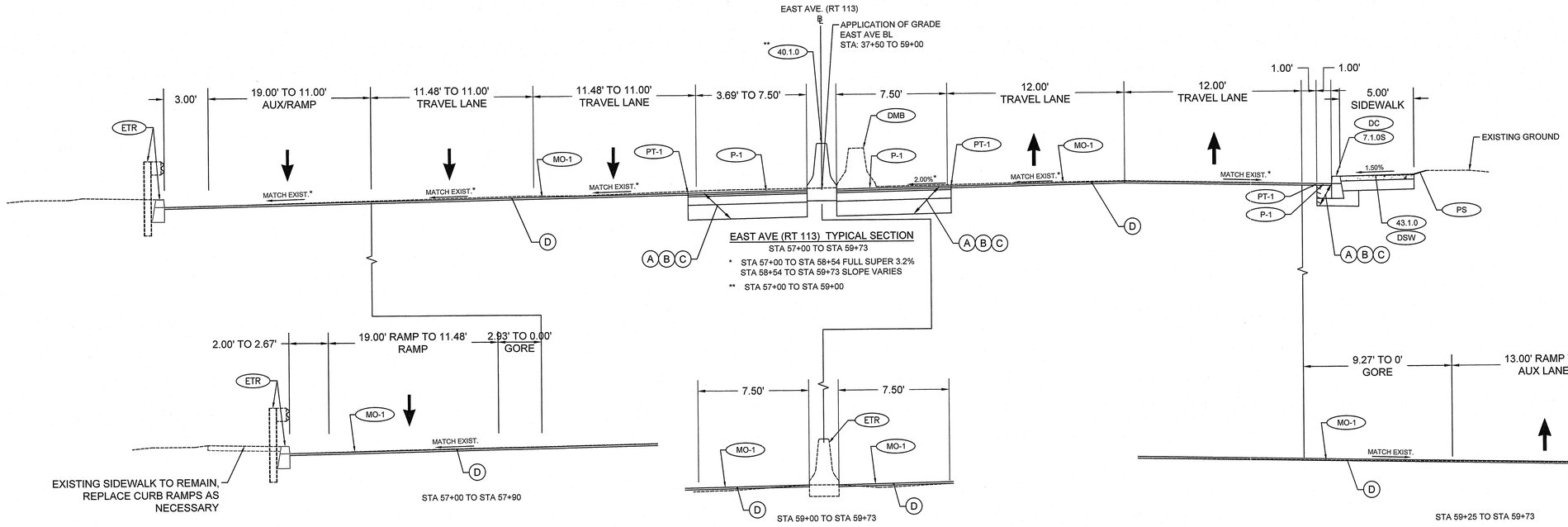
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

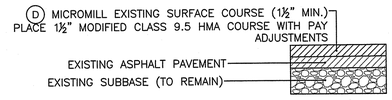
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 5

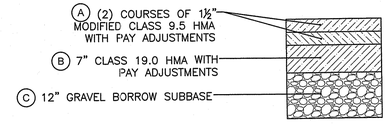
2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	14	67





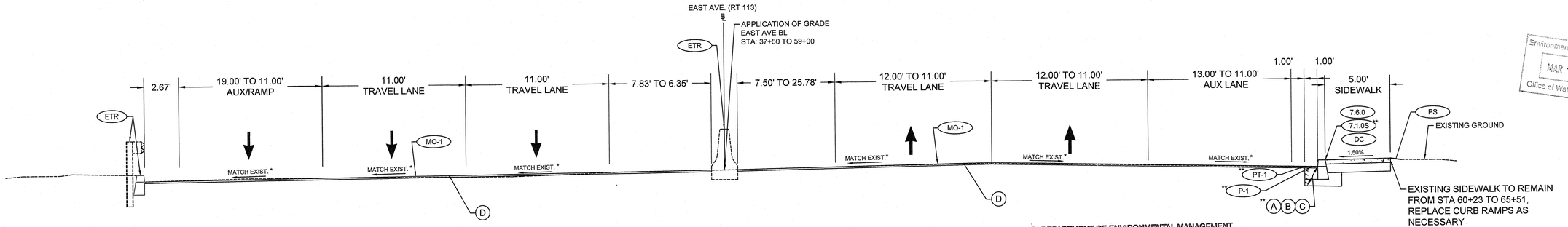
PAVEMENT MICROMILL AND OVERLAY DETAIL (MO–1)



FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P–1)

PAVEMENT STRUCTURE LEGEND

- (A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS
- (B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS
- (C) – 12" GRAVEL BORROW SUBBASE



EAST AVE (RT 113) TYPICAL SECTION
STA 59+73 TO STA 64+00
* STA 59+73 TO STA 60+00 SLOPE VARIES
** STA 59+73 TO STA 60+24

Environmental Management
MAR - 5 2025
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: APR 21 2025 FILE #: 25 0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Augustin D. Venecek

LYNCH

WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	14
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

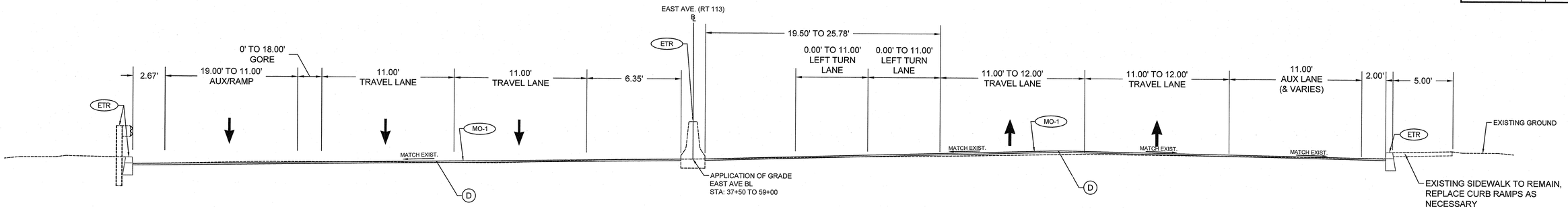
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 6

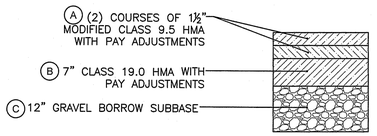
2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	15	67



EAST AVE (RT 113) TYPICAL SECTION

STA 65+51 TO STA 69+89



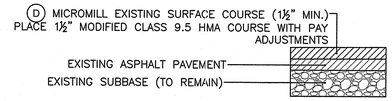
FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P-1)

PAVEMENT STRUCTURE LEGEND

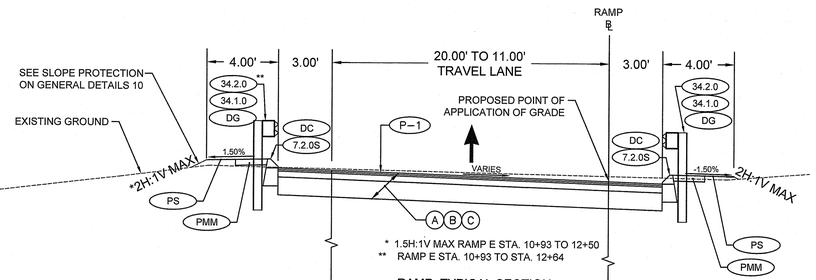
(A) – 1½" MODIFIED CLASS 9.5 HMA COURSE WITH PAY ADJUSTMENTS

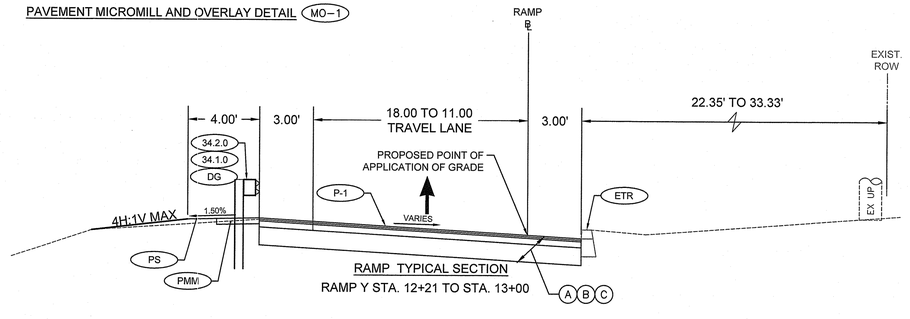
(B) – 7" CLASS 19.0 HMA BASE COURSE WITH PAY ADJUSTMENTS

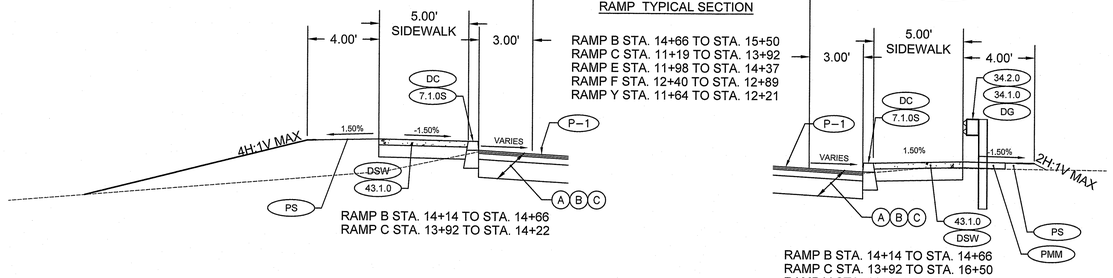
(C) – 12" GRAVEL BORROW SUBBASE

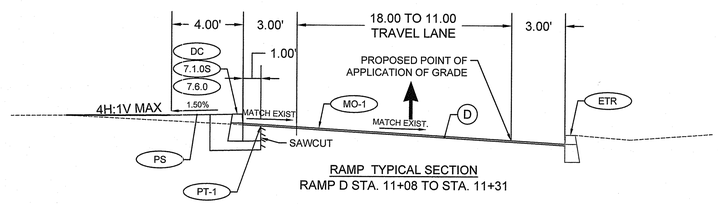


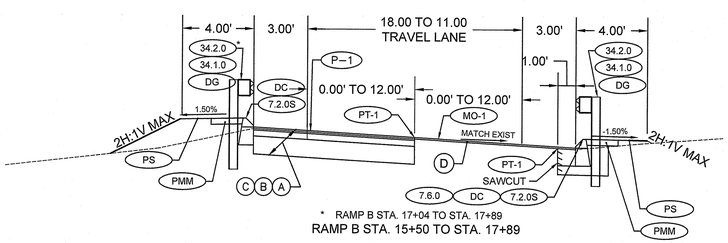
PAVEMENT MICROMILL AND OVERLAY DETAIL (MO-1)

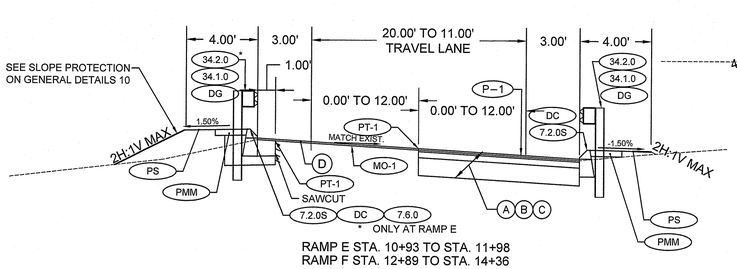


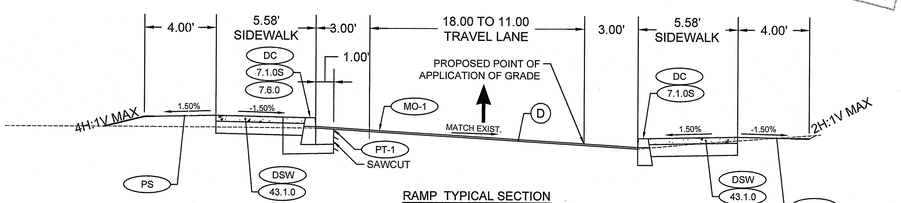












Environmental Management
MAR - 5 2025
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | wsp | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	15
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

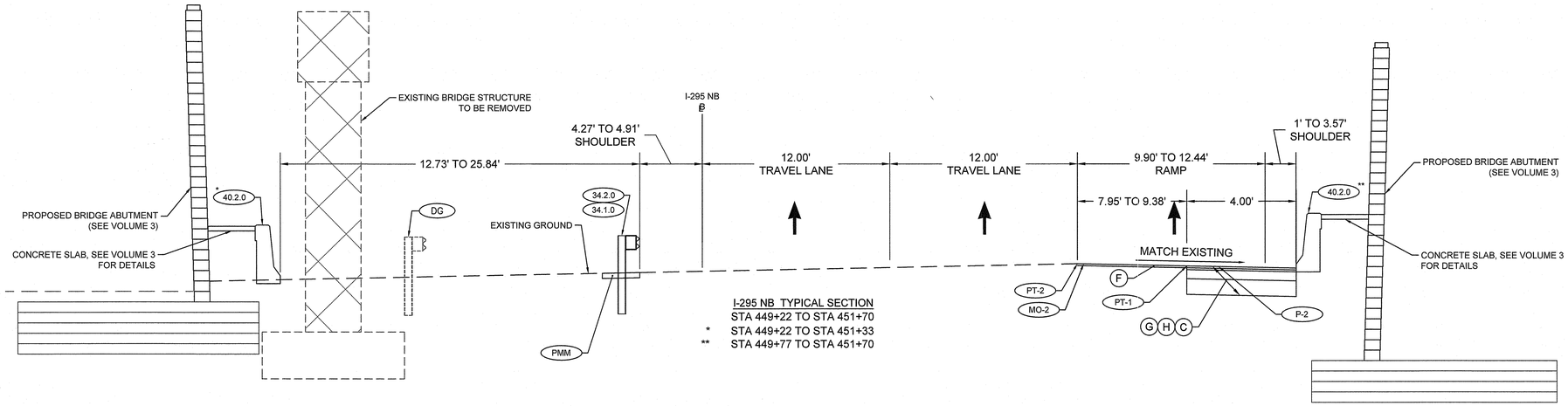
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

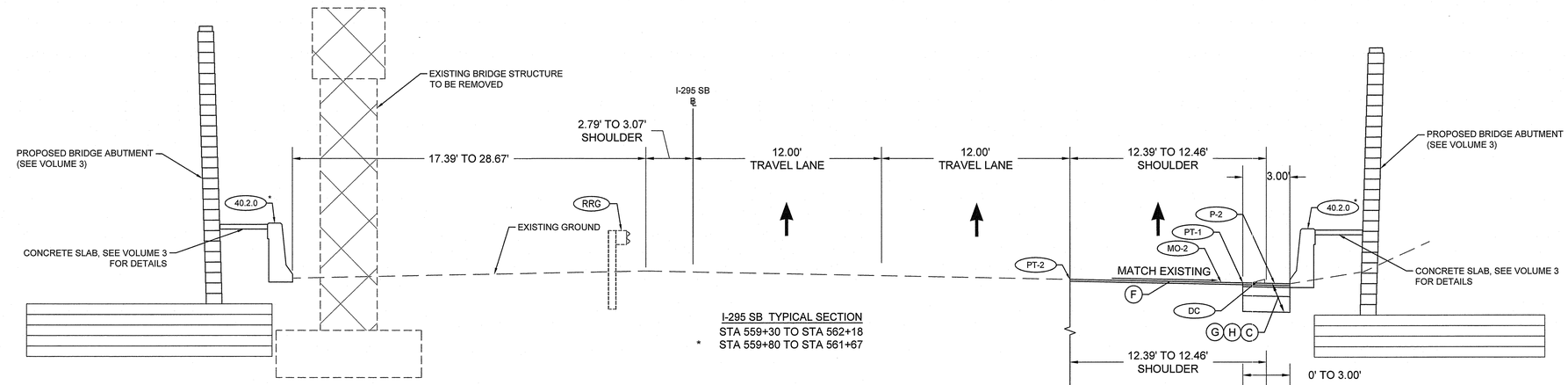
TYPICAL SECTION 7

2604Y_V1_011_TYPICAL

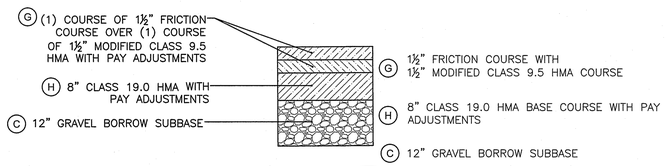
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	16	67



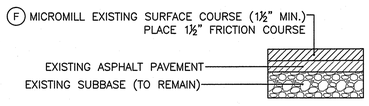
I-295 NB TYPICAL SECTION
STA 449+22 TO STA 451+70
* STA 449+22 TO STA 451+33
** STA 449+77 TO STA 451+70



I-295 SB TYPICAL SECTION
STA 559+30 TO STA 562+18
* STA 559+80 TO STA 561+67



FULL-DEPTH PAVEMENT TYPE-1 DETAIL (P–2)



PAVEMENT MICROMILL AND OVERLAY DETAIL (MO–2)

MAR - 5 2025
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: APR 2 1 2025 FILE #: 25 0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Signature D. Wenck

LYNCH | WSP | RIDOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/20/25

DESIGNED BY: JM
CHECKED BY: SDG
DATE: 02/20/2025
SHEET: 16
OF: 67

SCALE: 1"=4'
GRAPHIC SCALE

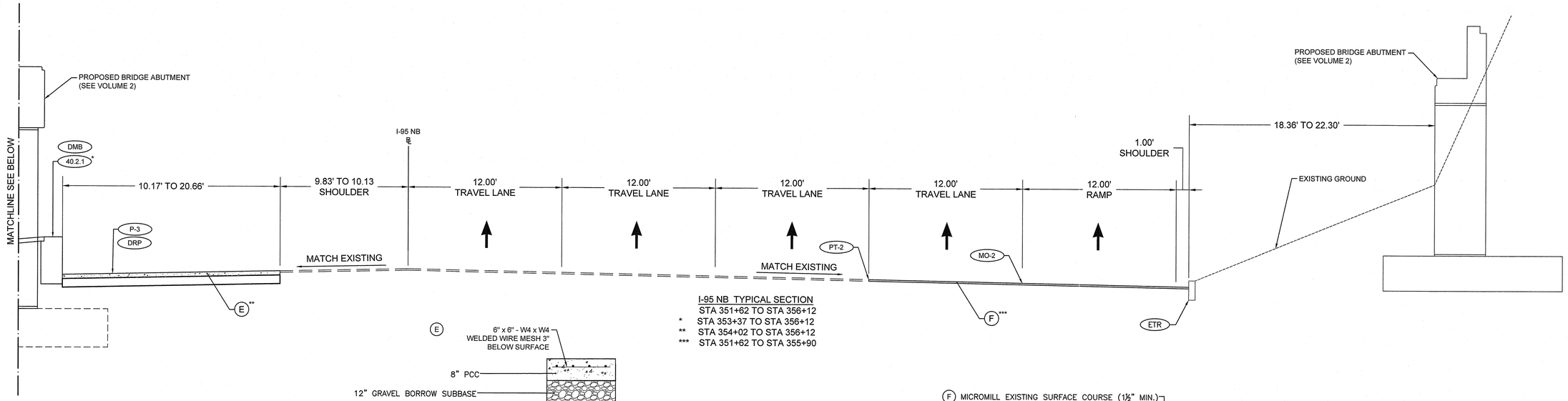
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

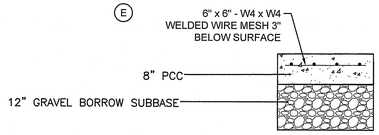
TYPICAL SECTION 8

2604Y_V1_011_TYPICAL

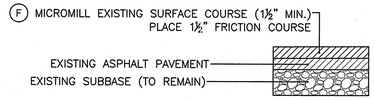
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	17	67



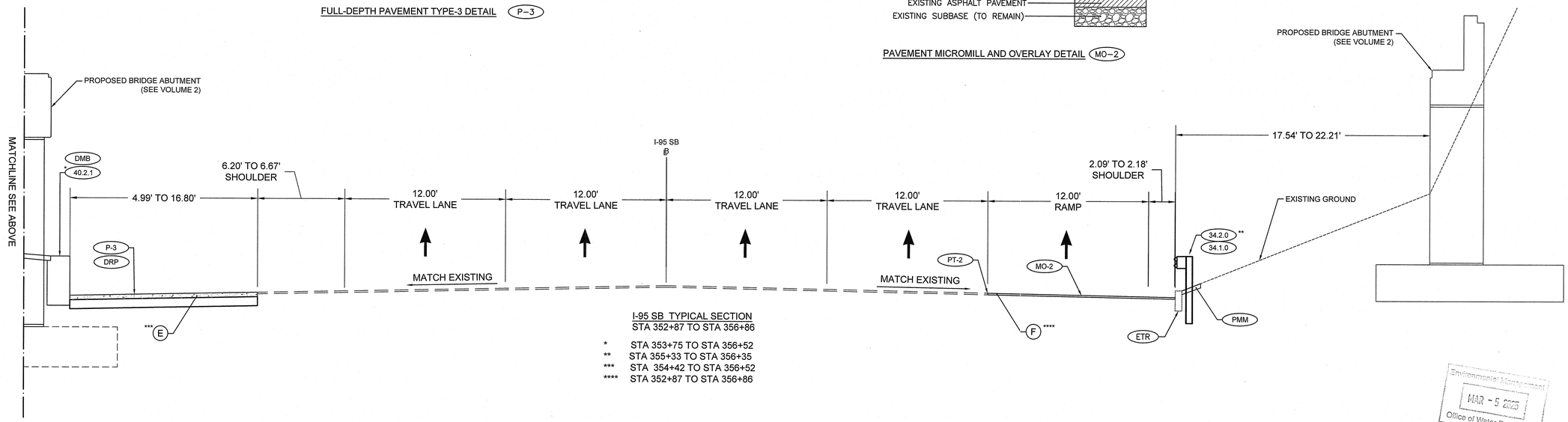
I-95 NB TYPICAL SECTION
STA 351+62 TO STA 356+12
* STA 353+37 TO STA 356+12
** STA 354+02 TO STA 356+12
*** STA 351+62 TO STA 355+90



FULL-DEPTH PAVEMENT TYPE-3 DETAIL (P–3)



PAVEMENT MICROMILL AND OVERLAY DETAIL (MO–2)



I-95 SB TYPICAL SECTION
STA 352+87 TO STA 356+86

* STA 353+75 TO STA 356+52
** STA 355+33 TO STA 356+35
*** STA 354+42 TO STA 356+52
**** STA 352+87 TO STA 356+86

Environmental Management
MAR - 5 2025
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: APR 21 2025 FILE #: 25-0076
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jennifer D. Wenck

LYNCH

wsp

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
21JUL25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	17
OF:	67

SCALE: 1"=4'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

TYPICAL SECTION 9

2604Y_V1_011_TYPICAL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	18	67

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE # 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

WETLAND IMPACTS			
AREA DESIGNATION	IMPACT TYPE	IMPACT AREA (SF)	LEGEND
WETLAND	TEMPORARY	0	
WETLAND	PERMANENT	0	
STREAM	TEMPORARY	0	
STREAM	PERMANENT	0	
VEGETATED BUFFER	TEMPORARY	0	
VEGETATED BUFFER	PERMANENT	0	

WET - 06
STREAM - 03
ASSF- 08
ASSF- 07
ASSF- 01
ASSF- 02
STRM 01
ASSF- 05
ASSF- 03
TP-5
TP-6
EAST AVE (RT 113) WB
EAST AVE (RT 113) EB
I-295 SB RAMP "D"
I-295 NB RAMP "C"
I-295 NB
I-295 SB
50'

LEGEND
- GPS BENCHMARK
- WETLAND FLAG
- WETLAND FEATURE
- VEGETATED BUFFER
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	KK
CHECKED BY:	RP/KD
DATE:	02/20/2025
SHEET:	18
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 60

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

WETLAND IMPACT PLAN 1

2604Y_WETLAND_PERMIT_PLANS

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	19	67

WETLAND IMPACTS			
AREA DESIGNATION	IMPACT TYPE	IMPACT AREA (SF)	LEGEND
WETLAND	TEMPORARY	0	
WETLAND	PERMANENT	0	
STREAM	TEMPORARY	0	
STREAM	PERMANENT	0	
VEGETATED BUFFER	TEMPORARY	0	
VEGETATED BUFFER	PERMANENT	0	

ASSF 01
ASSF 02
STRM 01
ASSF 05
ASSF 03
I-95 NB
RAMP "A"
EAST AVE (RT 113) WB
EAST AVE (RT 113) EB
CROWN PLAZA

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0096
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LEGEND
- GPS BENCHMARK
- WETLAND FLAG
- WETLAND FEATURE
- VEGETATED BUFFER
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM

Environmental Management
Office of Water Resources

LYNCH

WSP

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
State

DESIGNED BY:	KK
CHECKED BY:	RP/KD
DATE:	02/20/2025
SHEET:	19
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

WETLAND IMPACT PLAN 2

2604Y_WETLAND_PERMIT_PNS

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	20	99

67 per R. DEM

WETLAND IMPACTS			
AREA DESIGNATION	IMPACT TYPE	IMPACT AREA (SF)	LEGEND
WETLAND	TEMPORARY	0	
WETLAND	PERMANENT	0	
STREAM	TEMPORARY	0	
STREAM	PERMANENT	0	
VEGETATED BUFFER	TEMPORARY	1,460	
VEGETATED BUFFER	PERMANENT	2,310	

NEW IMPERVIOUS SURFACE = 1,576 SF.

TEMPORARY BUFFER ZONE IMPACT = 1,576 SF.

PAVEMENT MILLING, NOT NEW IMPERVIOUS SURFACE =2,661 SF.

STRM A

BUFFER REPLICATION AREA = 9,106 SF

REPLICATED VEGETATED BUFFER PLANTING SCHEDULE				
Common Name	Scientific Name	Type	Spacing	Number
Red Maple	*Acer rubrum*	B&B	20' OC	10
Black Oak	*Quercus velutina*	B&B	20' OC	8
Northern Red Oak	*Quercus rubra*	B&B	20' OC	10
Eastern Cottonwood	*Populus deltoides*	B&B	20' OC	8
Eastern shadbush	*Amelanchier canadensis*	3-gallon	8' OC	15
Smooth Sumac	*Rhus glabra*	3-gallon	8' OC	15
Inkberry holly	*Ilex glabra*	3-gallon	15' OC	15
New England Conservation/Wildlife Mix		Seed rate: 1750sf/lb		

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jennifer D. Wenson

LEGEND

- GPS BENCHMARK
- WETLAND FLAG
- WETLAND FEATURE
- BUFFER REPLICATION
- VEGETATED BUFFER
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM

LYNCH

WSP

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 4/17/25

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	KK
CHECKED BY:	RP/KD
DATE:	08/09/2024
SHEET:	20
OF:	99

SCALE: 1"=40'

GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	04/17/25	KD			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
WARWICK RHODE ISLAND

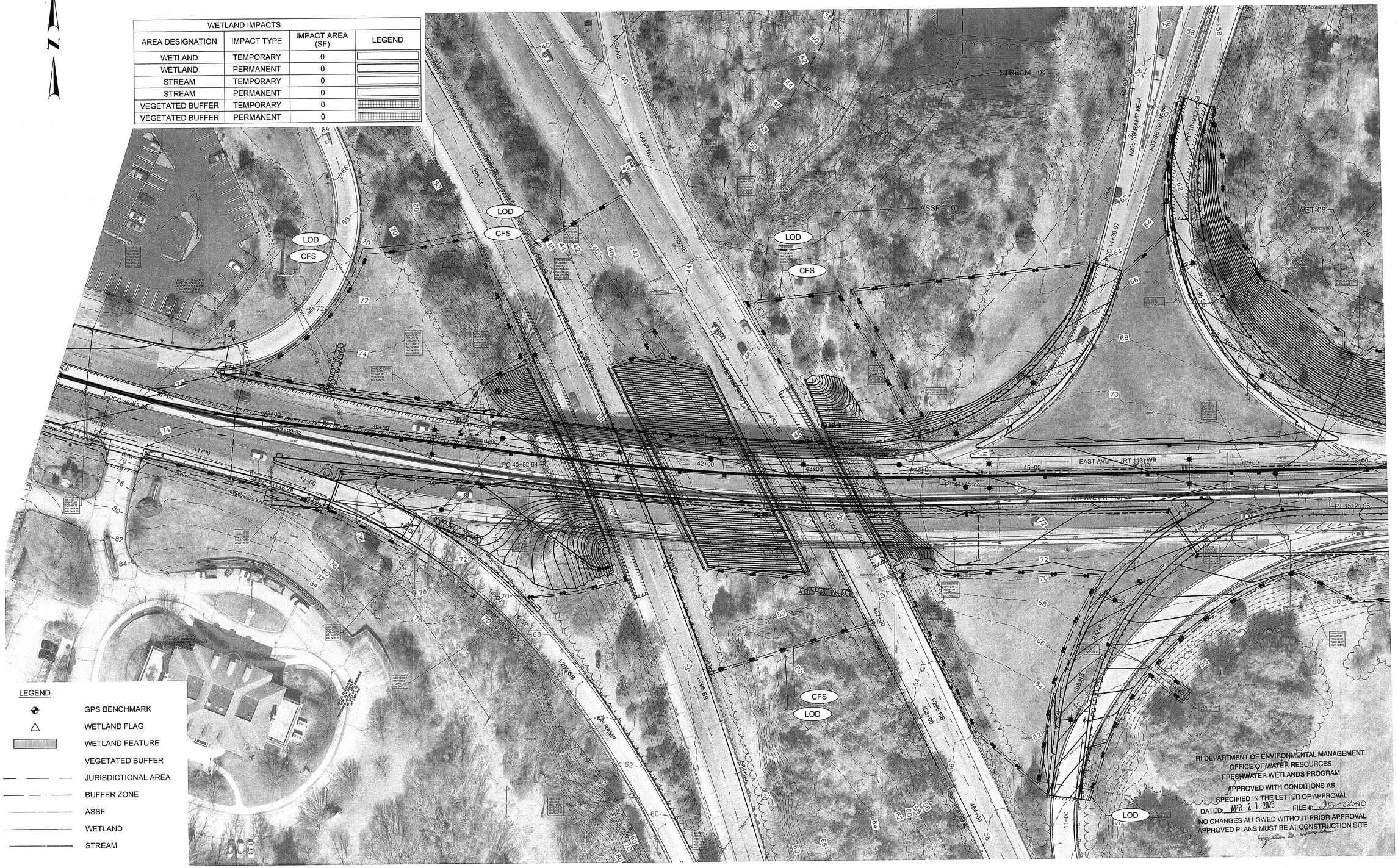
WETLAND IMPACT PLAN 3

2604Y_WETLAND_PERMIT_PLANS

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	21	67

WETLAND IMPACTS			
AREA DESIGNATION	IMPACT TYPE	IMPACT AREA (SF)	LEGEND
WETLAND	TEMPORARY	0	
WETLAND	PERMANENT	0	
STREAM	TEMPORARY	0	
STREAM	PERMANENT	0	
VEGETATED BUFFER	TEMPORARY	0	
VEGETATED BUFFER	PERMANENT	0	

N



LEGEND

- GPS BENCHMARK
- WETLAND FLAG
- WETLAND FEATURE
- VEGETATED BUFFER
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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LYNCH

wsp

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	----
CHECKED BY:	----
DATE:	02/20/2025
SHEET:	21
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

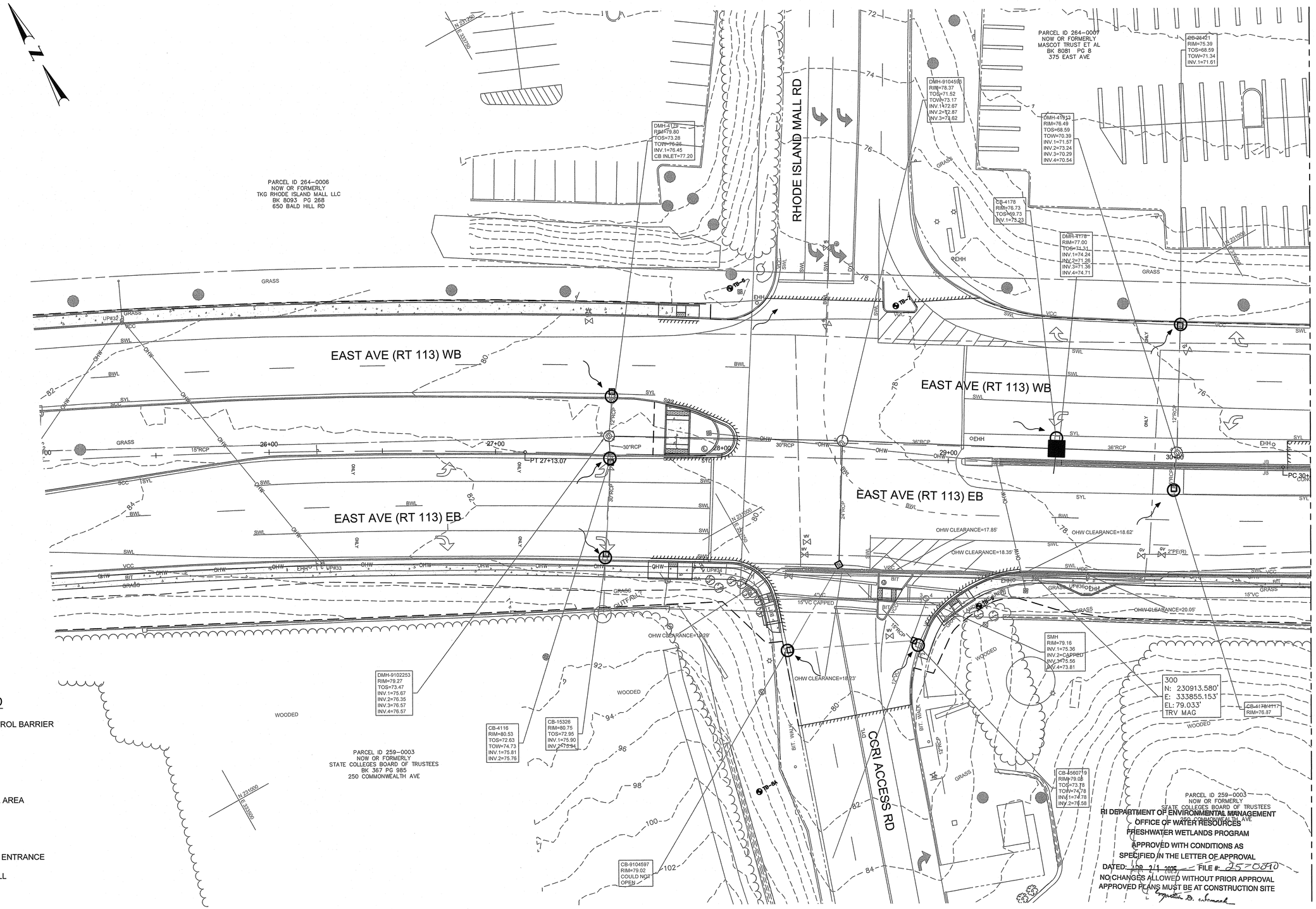
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK — RHODE ISLAND

WETLAND IMPACT PLAN 4

Environmental Management
APR - 5 2025
Water Resources

PERMIT 2604Y_V1B_XXX_WIP4

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	22	67



LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: JAN 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	22
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 1

PERMIT 2604Y_V1B_XXX_SESC PLAN07

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	23	67

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 1

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 3

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

PARCEL ID 264-0007
NOW OR FORMERLY
MASCOT TRUST ET AL
BK 8081 PG 8
375 EAST AVE

DMH-5102251
RIM=73.96
TOS=66.86
TOW=68.46
INV.1=69.26
INV.2=69.86
INV.3=68.70
INV.4=68.81

DMH-11748
RIM=73.41
TOS=66.47
TOW=68.20
INV.1=69.86

CB-11747
RIM=71.20
TOS=61.50
TOW=63.40
INV.1=62.99
INV.2=63.70
CB INLET=68.50

SMH
RIM=77.41
INV.1=72.36
INV.2=72.31

INVERT 4"CLAY
ELEV:79.32'

INVERT 4"CLAY
ELEV:79.01'

SB-4155
RIM=73.66
TOS=68.01
INV.1=70.46

PARCEL ID 259-0003
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 387 PG 985
250 COMMONWEALTH AVE

PARCEL ID 258-0001
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 9396 PG 145
EAST AVE

DMH-4561235
RIM=71.81
TOS=62.73
TOW=65.30
INV.1=65.56
INV.2=65.81
INV.3=65.41

CB-4156
RIM=71.11
TOS=63.75
TOW=64.31
INV.1=66.81
INV.2=67.31

DMH-4561236
RIM=72.87
TOS=67.47
INV.1=68.12
INV.2=67.72
INV.3=65.81
INV.4=65.41

INVERT 4"CLAY
ELEV:77.27'

SMH
RIM=75.51
INV.1=71.62
INV.2=71.46

CB-4561237
RIM=73.83
TOS=68.83
INV.1=70.88
INV.2=71.08

DMH-4561238
RIM=74.07
TOS=71.27
INV.1=71.72
INV.2=71.62
INV.3=71.14
INV.4=71.32

CB-4561239
RIM=74.17
TOS=71.07
INV.1=71.19
INV.2=72.97

OUTFALL 12"
ELEV: 72.84

PARCEL ID 258-0004
NOW OR FORMERLY
PROVIDENCE MUTUAL FIRE INSURANCE
BK 9300 PG 152
360 EAST AVE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT | RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF RHODE ISLAND

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	23
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 10 20 40

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 2

PERMIT 2604Y_V1B_XXX_SESC PLAN08

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	24	67

N

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 2

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 4

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Gianfrancesco

LYNCH | WSP | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 5/31/25

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	24
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 80

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 3

PERMIT 2604Y_V1B_XXX_SESC PLAN09

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	25	67

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 3

MATCH TO SOIL EROSION & SEDIMENT CONTROL PLAN 7

WET-06

STREAM - 03

ASSF - 08

ASSF - 04

ASSF - 03

ASSF - 05

STREAM - A

LOD

CFS

CFP

I-95 SB

I-95 NB

I-95 NB RAMP "B"

I-95 NB RAMP "A"

I-95 NB RAMP "D"

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

OF-01

OF-02

OF-03

OF-04

OF-05

OF-06

OF-07

OF-08

OF-09

OF-10

OF-11

OF-12

OF-13

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Gianfrancesco

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

LYNCH

WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
20/25

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	25
OF:	67

SCALE: 1"=40'

GRAPHIC SCALE 20 0 10 20 40 80

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR

PHASE 1B PERMIT PLANS

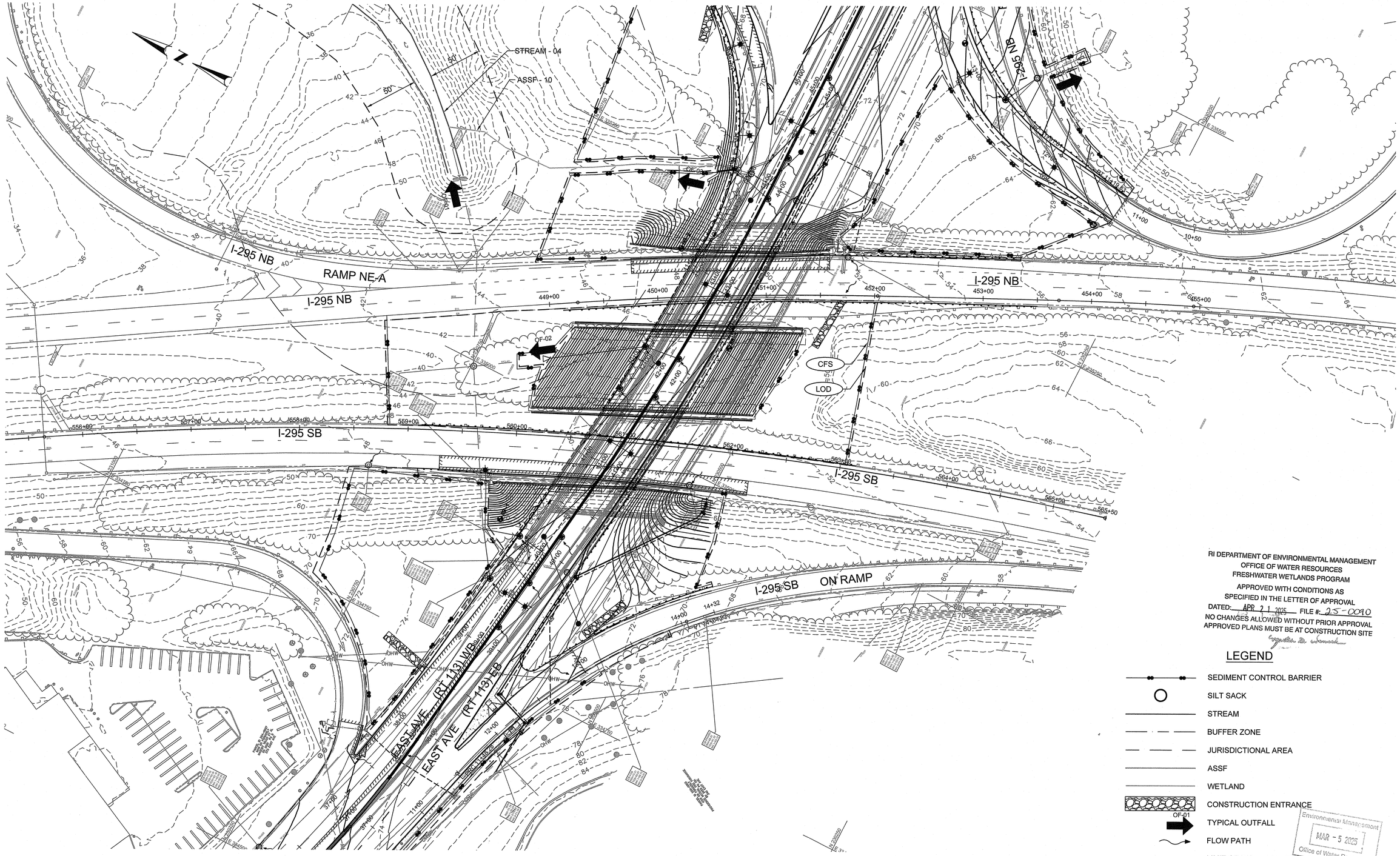
NOT FOR CONSTRUCTION

WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 4

PERMIT 2604Y_V1B_XXX_SESC PLAN10

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	26	67



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH

wsp

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	26
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

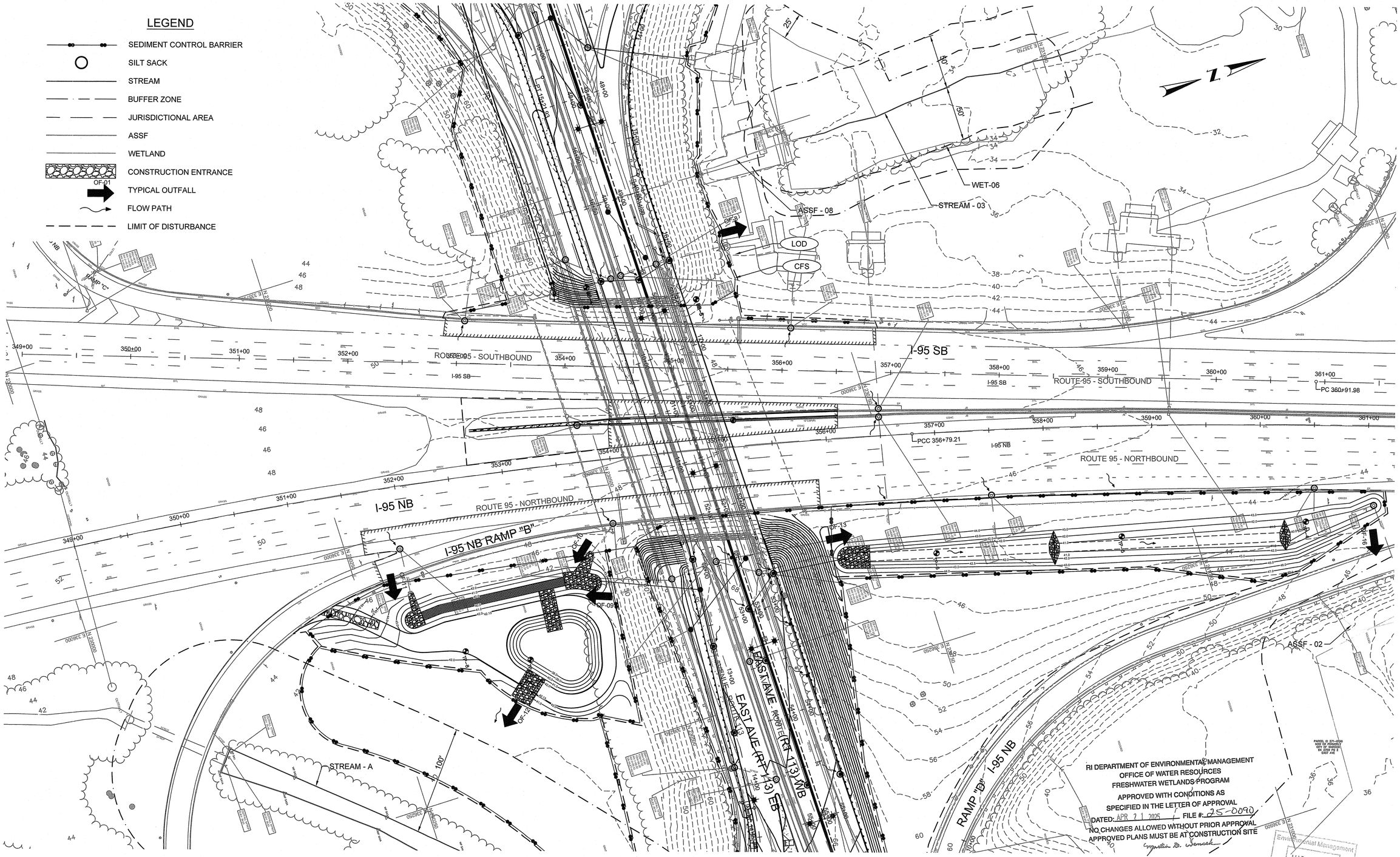
SOIL EROSION & SEDIMENT CONTROL PLAN 5

PERMIT 2604Y_V1B_XXX_SESC PLAN10A

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	27	67

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 7 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR - 5 2025
Office of

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	27
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 60

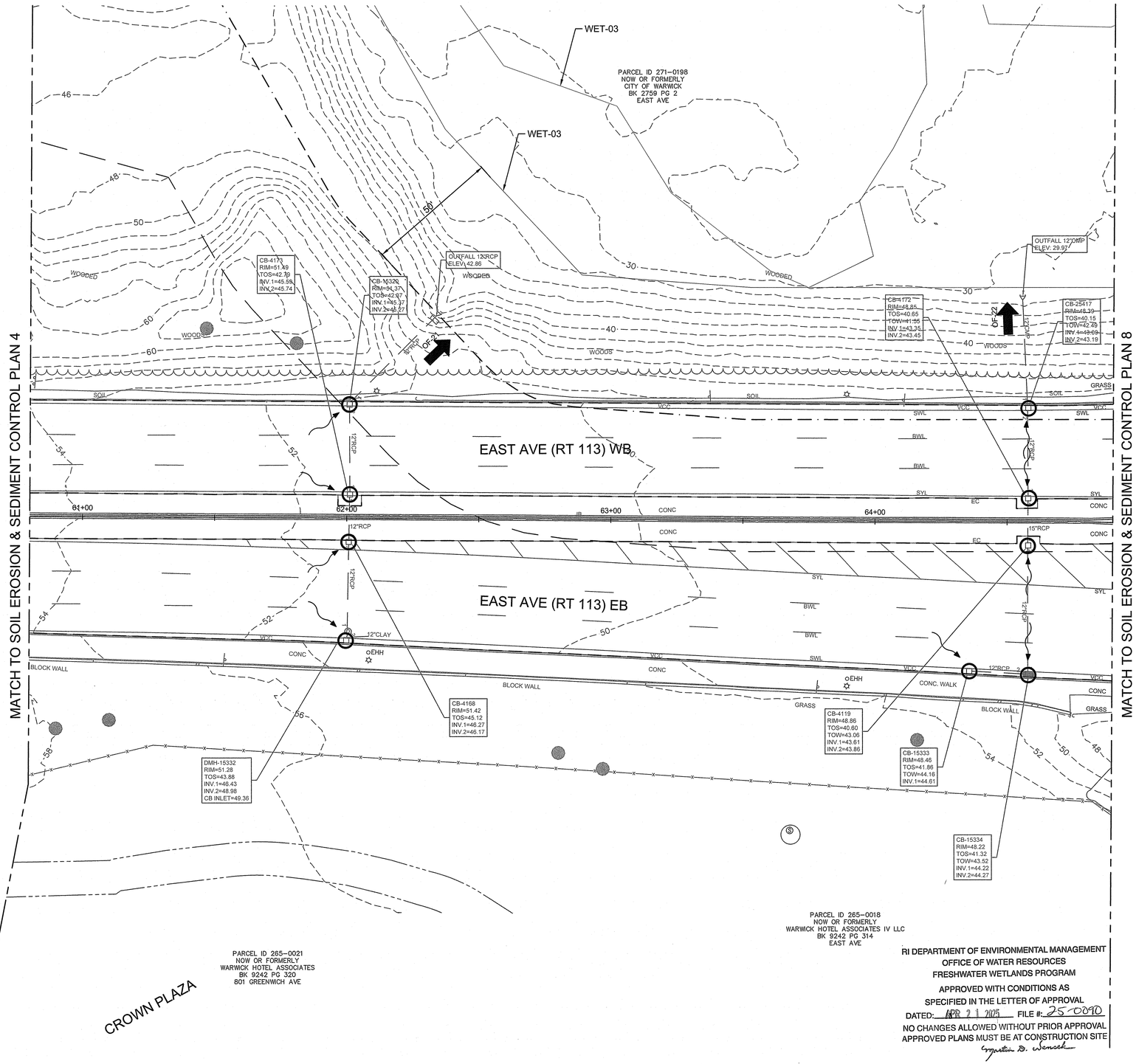
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 6

PERMIT 2604Y_V1B_XXX_SESC PLAN11

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	28	67



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Augustin D. Wenech

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

Environmental Management
MAR - 5 2025
Water Resources

LYNCH | WSP | RI DOT RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	28
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

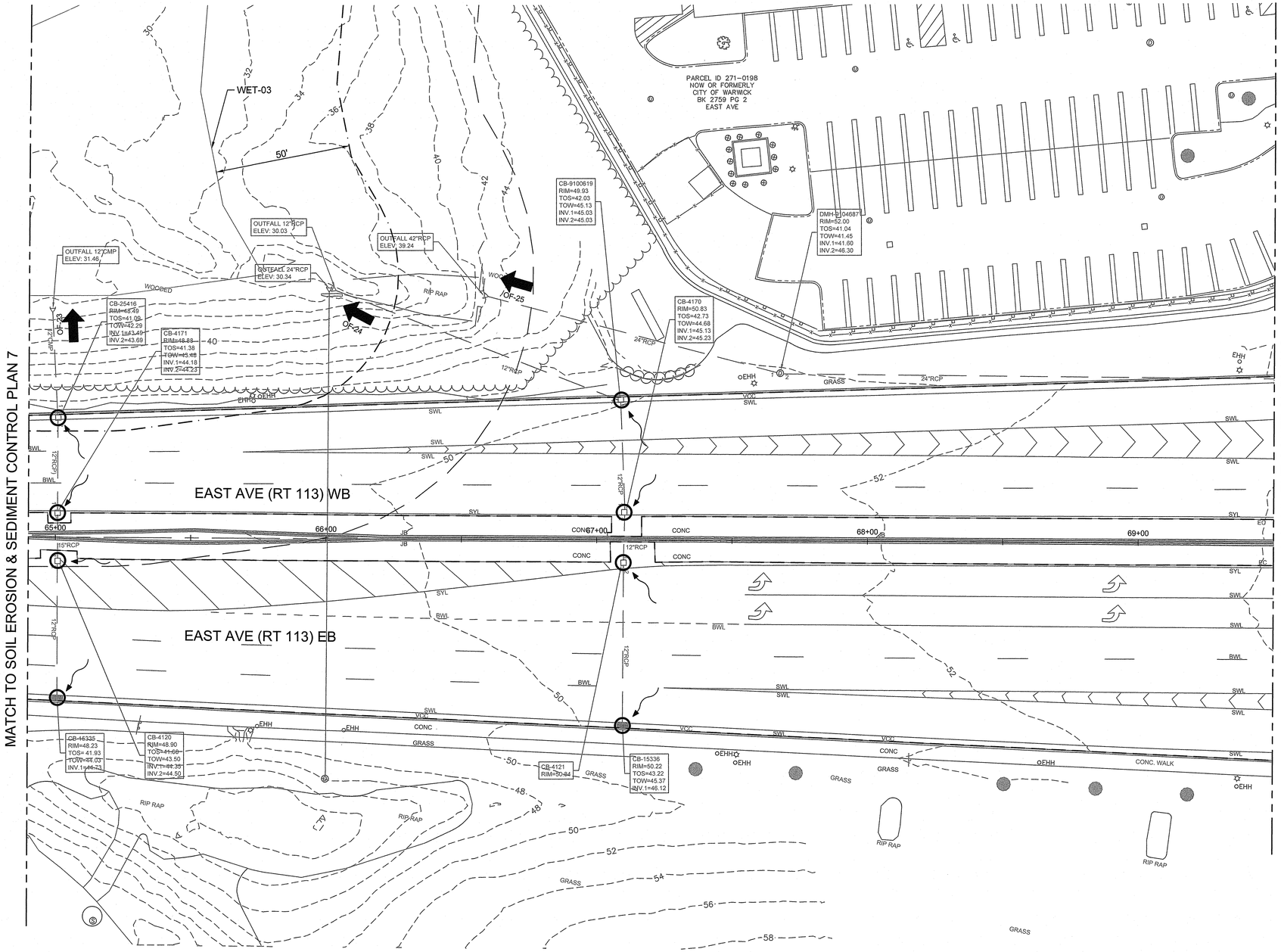
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 7

PERMIT 2604Y_V1B_XXX_SESC PLAN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	29	67



LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE
- OF-01 TYPICAL OUTFALL
- FLOW PATH
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND
2/21/25

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	29
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE

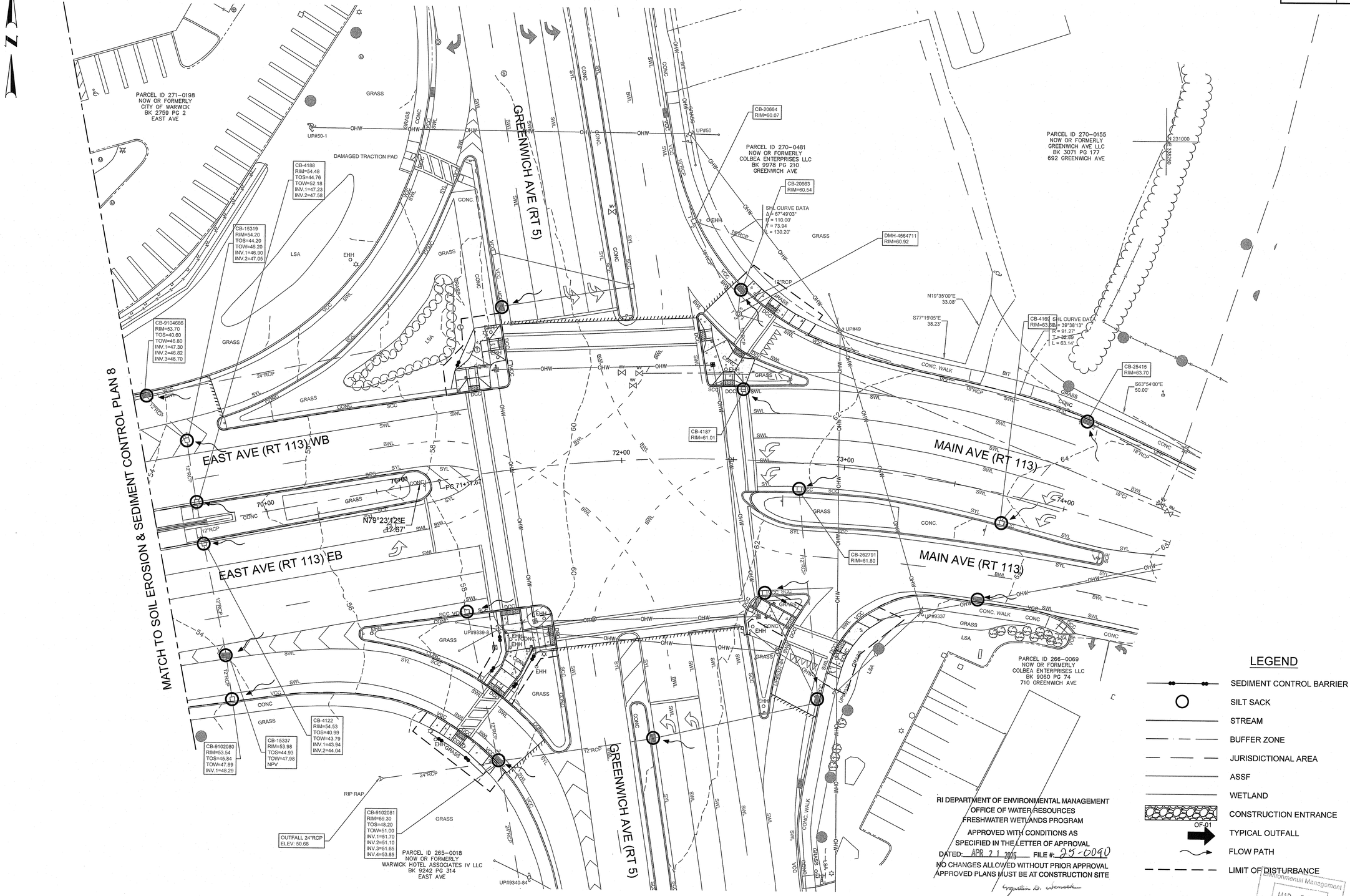
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

SOIL EROSION & SEDIMENT CONTROL PLAN 8

PERMIT 2604Y_V1B_XXX_SESC PLAN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	30	67



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY:	KK
CHECKED BY:	RP
DATE:	02/20/2025
SHEET:	30
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND
SOIL EROSION & SEDIMENT CONTROL PLAN 9

PERMIT 2604Y_V1B_XXX_SESC PLAN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	31	67

MATCH TO GENERAL PLAN 2

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

RHODE ISLAND MALL RD

CCRI ACCESS RD

PARCEL ID 264-0006
NOW OR FORMERLY
TKG RHODE ISLAND MALL, LLC
BK 4894 PG 268
650 BALD HILL RD

PARCEL ID 264-0007
NOW OR FORMERLY
MASCOT TRUST ET AL
BK 8081 PG 8
375 EAST AVE

PARCEL ID 259-0003
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 367 PG 985
250 COMMONWEALTH AVE

PT-2 · PT-1 · P-1 · MO-1 · TEB · DC · DFP · 43.3.2 · WCR 7-3 · 43.1.0 · PRW · 43.2.0 · 48.1.0 · WCR 7-6 · 7.1.0 · 7.1.0 C · LOR · LOD · SD7-2 · SD7-3

SMH
RIM=79.16
INV.1=75.36
INV.2=CAPPED
INV.3=75.56
INV.4=73.81

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Wencek

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH

WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY: JJ
CHECKED BY: CDF
DATE: 02/20/2025
SHEET: 31
OF: 67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL PLAN 1

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	32	67



LYNCH

wsp

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	JJ
CHECKED BY:	CDF
DATE:	02/20/2025
SHEET:	32
OF:	67

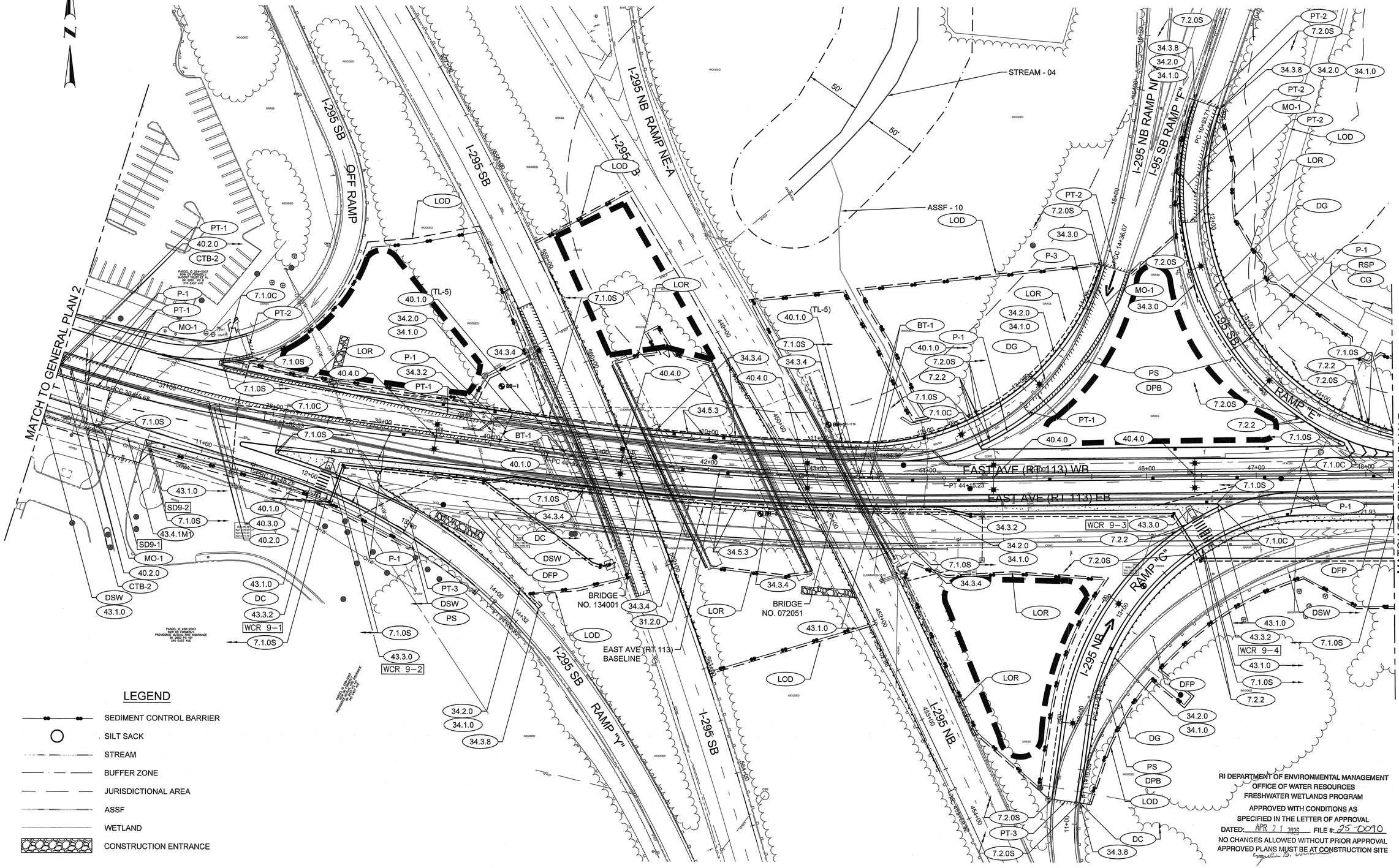
SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
GENERAL PLAN 2
WARWICK - E 0005 RHODE ISLAND

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	33	67



LYNCH

wsp

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
21JUL25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	33
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 60

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

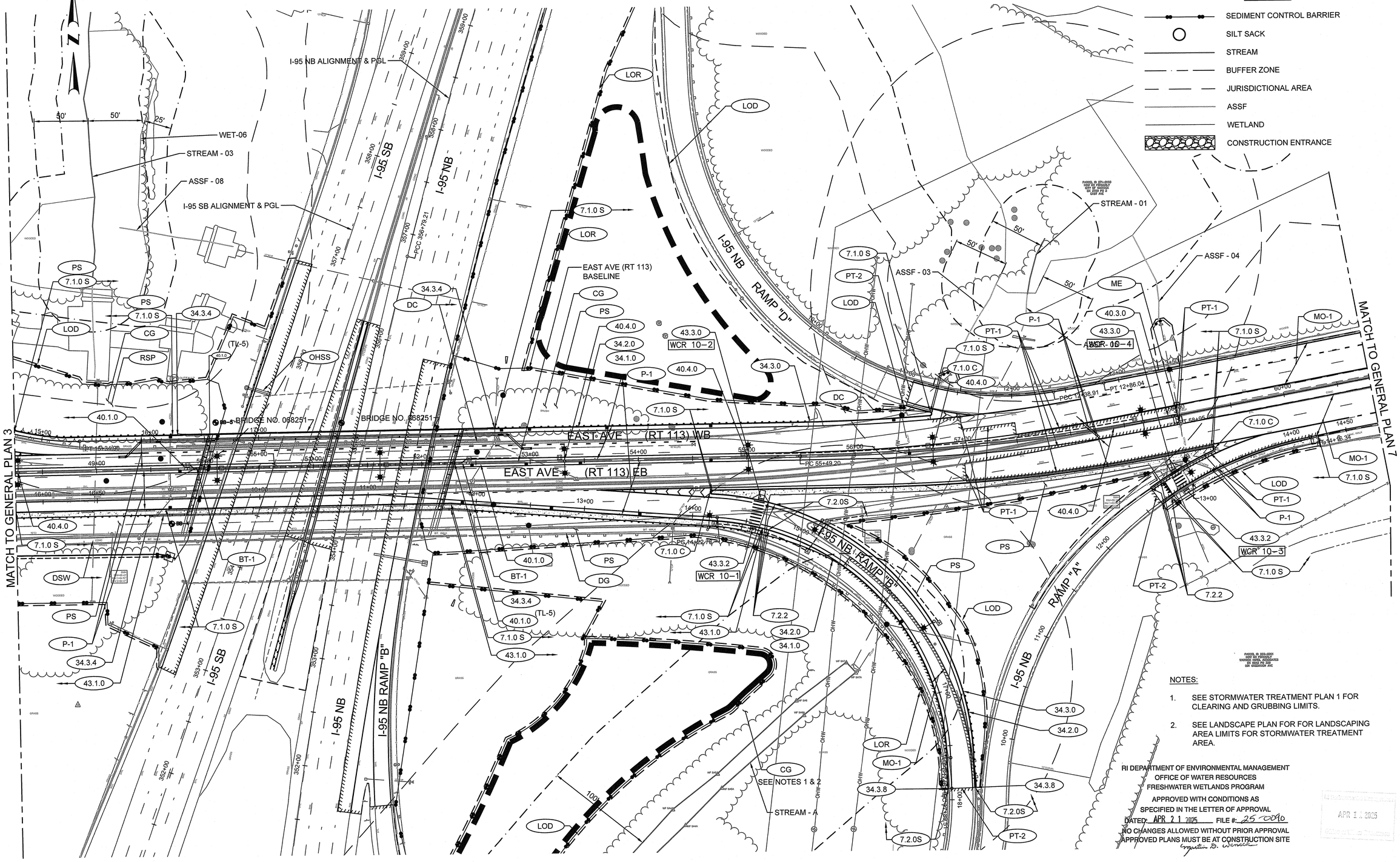
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND
Received - 5 2025
Office of Water Resources
GENERAL PLAN 3

2604Y_V1_XXX_GENERAL_BHR–EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	34	67

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE



NOTES:

1. SEE STORMWATER TREATMENT PLAN 1 FOR CLEARING AND GRUBBING LIMITS.
2. SEE LANDSCAPING AREA LIMITS FOR STORMWATER TREATMENT AREA.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Agustin B. Wences

APR 1 1 2025

LYNCH | WSP | RI DOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 4/8/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	34
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 80

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
5	4/09/2025	RP			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
WARWICK RHODE ISLAND

GENERAL PLAN 4

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	35	67


I-295 SB
I-295 NB
RAMP NE-A
RAMP "Y"
EAST AVE (RT 113) EB
EAST AVE (RT 113) WB
ASSF - 10
STREAM - 04
50'
50'
PC 14+36.07
PC 10+93.71
PC 11+91.95
PT 565+48.71
PARCEL ID 200-0005
STATE OWNER OF PROPERTY
RI DEPT OF TRANSPORTATION
2nd EAST AVE
PARCEL ID 200-0001
STATE OWNER OF PROPERTY
RI DEPT OF TRANSPORTATION
EAST AVE
OUTFALL
OUTFALL
OUTFALL

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	36	67

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE

I-95 NB RAMP "C"
I-95 SB
I-95 NB
I-95 NB RAMP "B"
I-95 NB RAMP "D"
EAST AVE (RT 113) EB
EAST AVE (RT 113) WB
RAMP "E"
STREAM - 03
WET-06
ASSF - 08
STREAM - 08
WETLAND - 02
PC 14+22.78
PCC 356+79.21
PC 360+91.98
80'
50'
25'
100'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 1 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | wsp

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/20/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	36
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 60

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL PLAN 6

RI Department of Environmental Management MAR - 5 2025 Office of Water Resources

2604Y_V1_XXX_GENERAL_BHR–EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	37	67



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Augustin D. Mencal

LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE

LYNCH | WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	JJ
CHECKED BY:	CDF
DATE:	02/20/2025
SHEET:	37
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 10 20 40

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

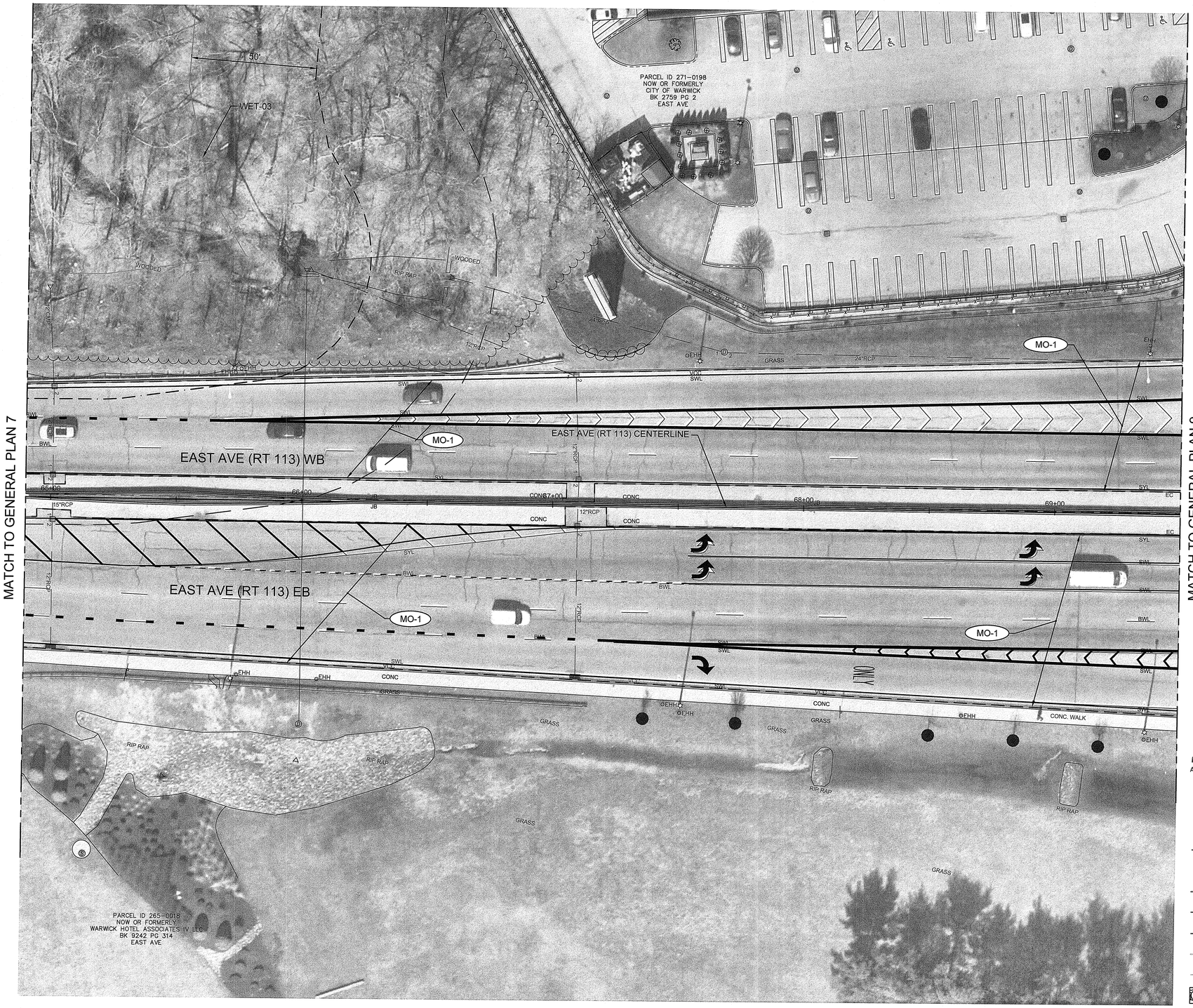
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL PLAN 7

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	38	67

N



MATCH TO GENERAL PLAN 7

MATCH TO GENERAL PLAN 9

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
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LEGEND

- SEDIMENT CONTROL BARRIER
- SILT SACK
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- CONSTRUCTION ENTRANCE

LYNCH

wsp

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY: JJ
CHECKED BY: CDF
DATE: 02/20/2025
SHEET: 38
OF: 67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL PLAN 8

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	39	67

N

MATCH TO GENERAL PLAN 8

GREENWICH AVE (RT 5)

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

MAIN AVE (RT 113)

PARCEL ID 271-0198
NOW OR FORMERLY
CITY OF WARWICK
BK 2759 PG 2
EAST AVE

PARCEL ID 270-0481
NOW OR FORMERLY
COLBEA ENTERPRISES LLC
BK 9978 PG 210
GREENWICH AVE

PARCEL ID 270-0155
NOW OR FORMERLY
GREENWICH AVE LLC
BK 3071 PG 177
692 GREENWICH AVE

PARCEL ID 266-0069
NOW OR FORMERLY
COLBEA ENTERPRISES LLC
BK 9061 PG 74
710 GREENWICH AVE

PARCEL ID 265-0018
NOW OR FORMERLY
WARWICK HOTEL ASSOCIATES IV LLC
BK 9242 PG 314
EAST AVE

WCR 14-1 DC 43.3.2
WCR 14-2 DC 43.1.0 48.1.0
WCR 14-3 DC 43.1.0 48.1.0
WCR 14-4 DC 43.1.0 48.1.0
WCR 14-5 DC 43.1.0 48.1.0
WCR 14-6 DC 43.3.2 43.1.0
WCR 14-7 DC 43.1.0 48.1.0
WCR 14-8 DC 43.3.0
WCR 14-9 DC 43.3.0
WCR 14-10 DC 43.3.2
WCR 14-11 DC 43.3.0
WCR 14-12 DC 43.3.0
WCR 14-13 DC 43.3.0
PT-2
PS
MO-1
7.2.0
43.1.0

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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DATED: APR 21 2025 FILE #: 25-0090
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LYNCH

WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2025

DESIGNED BY: JJ/CL
CHECKED BY: CDF
DATE: 02/20/2025
SHEET: 39
OF: 67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GENERAL PLAN 9

2604Y_V1_XXX_GENERAL_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	40	67

PARCEL ID 264-0006
NOW OR FORMERLY
TKG RHODE ISLAND MALL LLC
BK 8093 PG 268
650 BALD HILL RD

PARCEL ID 264-0007
NOW OR FORMERLY
MASCOT TRUST ET AL
BK 8081 PG 8
375 EAST AVE

PARCEL ID 259-0003
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 367 PG 985
250 COMMONWEALTH AVE

RHODE ISLAND MALL RD

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

CCRI ACCESS RD

DMH-4179
RIM=79.80
TOS=73.28
TOW=70.86
INV.1=76.45
CB INLET=77.20

DMH-9104586
RIM=78.37
TOS=71.52
TOW=73.17
INV.1=72.67
INV.2=72.87
INV.3=73.62

DMH-4153
RIM=76.49
TOS=68.59
TOW=70.39
INV.1=71.57
INV.2=73.24
INV.3=70.29
INV.4=70.54

CB-26421
RIM=75.39
TOS=68.59
TOW=71.34
INV.1=71.61

CB-4178
RIM=76.73
TOS=69.73
INV.1=73.23

DMH-4178
RIM=77.00
TOS=74.31
INV.1=74.24
INV.2=71.26
INV.3=71.36
INV.4=74.71

STA 29+48, 6' L
PR-CB 50
RIM 74.66
INV. 71.26 SE
INV. 71.36 NW
INV. 74.71 SW

DMH-9102253
RIM=79.27
TOS=73.47
INV.1=75.67
INV.2=76.35
INV.3=76.57
INV.4=76.57

CB-4116
RIM=80.53
TOS=72.63
TOW=74.73
INV.1=75.81
INV.2=75.76

CB-15326
RIM=80.75
TOS=72.95
INV.1=75.90
INV.2=75.84

CB-9104597
RIM=79.02
COULD NOT
OPEN

CB-4560719
RIM=79.08
TOS=73.78
TOW=74.78
INV.1=74.78
INV.2=76.58

SMH
RIM=79.16
INV.1=75.36
INV.2=CAPPED
INV.3=75.56
INV.4=73.81

CB-4178/4117
RIM=76.87

300
N: 230913.580'
E: 333855.153'
EL: 79.033'
TRV MAG

N 231000
E 333600

TB-6 TB-7 TB-8 TB-9

PT 27+13.07

OHW CLEARANCE=17.85'
OHW CLEARANCE=18.35'
OHW CLEARANCE=20.05'
OHW CLEARANCE=18.23'
OHW CLEARANCE=19.29'

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: APR 21 2025 FILE #: 25-0090
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Kristin D. Wenchel

Environmental Engineer
APR 21 2025
RI Department of Environmental Management
Office of Water Resources

MATCH TO DRAINAGE & UTILITY PLAN 2

LYNCH

WSP

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	40
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 1

2604Y_V1_XXX_DRAINUTL07

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	41	67

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

MATCH TO DRAINAGE & UTILITY PLAN 1

MATCH TO DRAINAGE & UTILITY PLAN 3

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

PARCEL ID 264-0007
NOW OR FORMERLY
MASCOT TRUST ET AL
BK 8081 PG 8
375 EAST AVE

PARCEL ID 259-0003
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 367 PG 985
250 COMMONWEALTH AVE

PARCEL ID 258-0001
NOW OR FORMERLY
STATE COLLEGES BOARD OF TRUSTEES
BK 9396 PG 145
EAST AVE

PARCEL ID 258-0004
NOW OR FORMERLY
PROVIDENCE MUTUAL FIRE INSURANCE
BK 9300 PG 152
360 EAST AVE

DMH-9102251
RIM=73.96
TOS=66.86
TOW=68.46
INV.1=69.26
INV.2=69.86
INV.3=68.70
INV.4=68.81

DMH-11748
RIM=73.41
TOS=66.47
TOW=68.20
INV.1=69.86

CB-11747
RIM=71.20
TOS=61.50
TOW=63.40
INV.1=62.99
INV.2=63.70
CB INLET=68.50

SMH
RIM=77.41
INV.1=72.36
INV.2=72.31

CB-4155
RIM=73.66
TOS=64.01
INV.1=70.46

DMH-4561235
RIM=71.81
RIM=62.73
TOW=65.30
INV.1=65.56
INV.2=65.81
INV.3=65.41

CB-4156
RIM=71.11
TOS=63.75
TOW=64.31
INV.1=62.81
INV.2=67.31

DMH-4561236
RIM=73.87
TOS=67.35
INV.1=66.12
INV.2=67.38
INV.3=70.62

SMH
RIM=75.51
INV.1=71.62
INV.2=71.46

CB-4561237
RIM=72.26
TOS=69.83
INV.1=70.69
INV.2=71.08

DMH-4561238
RIM=74.07
TOS=71.27
INV.1=71.72
INV.2=71.82
INV.3=71.14
INV.4=71.32

CB-4561239
RIM=74.17
TOS=71.07
INV.1=71.19
INV.2=72.97

OUTFALL 12
ELEV: 72.84

INVERT 4"CLAY
ELEV:79.32

INVERT 4"CLAY
ELEV:79.01'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jacqueline D. Wenzel

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH

WSP

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	41
OF:	67

SCALE: 1"=20'

GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 2

2604Y_V1_XXX_DRAINUTL08

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	42	67

MATCH TO DRAINAGE & UTILITY PLAN 2

MATCH TO DRAINAGE & UTILITY PLAN 4

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

NOTE(S):

1. SEE SEWER PLAN AND PROFILE SHEETS FOR PROPOSED SANITARY SEWER INFORMATION AND DETAILS.
2. SEE WATER LINE PLAN AND PROFILE SHEETS FOR PROPOSED WATERMAIN INFORMATION AND DETAILS.
3. SEE LIGHTING PLANS FOR EXISTING AND PROPOSED ILLUMINATION INFORMATION AND DETAILS.
4. SEE ITS PLANS FOR ITS INFORMATION AND DETAILS.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
CCB OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Office of Water Resources

LYNCH | WSP

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	42
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE 20 0 10 20 40 80

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 3

2604Y_V1_XXX_DRAINUTL09

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	43	67

MATCH TO DRAINAGE & UTILITY PLAN 3

MATCH TO DRAINAGE & UTILITY PLAN 7

STREAM - 03

WET-06

WET-02

PROP. INFILTRATION SWALE SCP-PR2-166

ASSF - 08

PROPOSED SANITARY SEWER (SEE NOTE1)

PROPOSED WATER MAIN (SEE NOTE 2)

I-95 SB

I-95 NB

RAMP "D"

RAMP "B"

RAMP "A"

I-95 NB RAMP B

62'-12" RCP S=0.309

29'-12" RCP S=0.007

46'-12" RCP S=0.008

92'-12" RCP S=0.007

44'-12" RCP S=0.008

117'-12" RCP S=0.007

40'-12" RCP S=0.008

79'-12" RCP S=0.009

78'-12" RCP S=0.015

25'-12" RCP S=0.093

93'-12" RCP S=0.221

31'-12" RCP S=0.012

4'-12" RCP S=0.024

12'-12" RCP S=0.005

10'-12" RCP S=0.013

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

APPROX. 100' BUFFER ZONE

BUFFER ZONE

100'

PROP. INFILTRATION BASIN SCP-PR2-165_REV

STREAM - A

ASSF - 04

ASSF - 05

ASSF - 03

PARCEL ID 271-2009 HELD BY PROUDLY CITY OF WARWICK RI 2009 PR 2 EAST AVE

STA 53+21, 30' L
PR-CB 36
RIM 68.87
INV. 63.50 E
INV. 63.40 W

STA 53+71, 30' L
PR-CB 38
RIM 68.62
INV. 64.00 E
INV. 63.90 W

STA 52+46, 2' R
PR-CB 32
RIM 69.88
INV. 62.50 E

STA 52+72, 30' L
PR-CB 33
RIM 69.11
INV. 61.76 SE
INV. 65.00 E
INV. 61.66 N

STA 52+96, 2' R
PR-CB 34
RIM 69.83
INV. 62.05 NW
INV. 62.15 W
INV. 63.99 E

STA 53+46, 2' R
PR-CB 37
RIM 69.38
INV. 64.40 E
INV. 64.30 W

STA 54+67, 30' L
PR-CB 40
RIM 67.95
INV. 64.65 W

STA 56+35, 30' L
PR-CB 46
RIM 64.09
INV. 60.00 NE

STA 56+46, 34' L
PR-CIT 47
RIM 64.34
INV. 59.80 SW
INV. 58.81 S
INV. 58.36 NE

STA 49+69, 30' L
PR-CB 28
RIM 70.66
INV. 63.60 S
INV. 63.50 N

STA 49+77, 2' R
PR-CB 29
RIM 71.33
INV. 66.23 S
INV. 63.84 N

STA 49+67, 35' R
PR-CB 27
RIM 71.14
INV. 66.64 N

STA 52+37, 36' R
PR-CB 31
RIM 69.86
INV. 64.86 E

STA 53+19, 44' R
PR-CB 35
RIM 69.27
INV. 63.06 E
INV. 61.80 W

STA 52+65, 39' R
PR-DMH 22
RIM 68.96
INV. 61.00 E
INV. 61.00 SW
INV. 63.90 W

STA 54+00, 51' R
PR-CB 39
RIM 68.75
INV. 64.25 W

STA 54+67, 2' R
PR-CB 41
RIM 68.50
INV. 65.30 W

STA 55+20, 158' R
PR-CIT 44
RIM 60.67
INV. 59.00 E
INV. 39.01 SW

STA 56+23, 158' R
PR-CB 45
RIM 62.29
INV. 59.18 W

STA 56+50, 2' R
PR-CB 48
RIM 64.81
INV. 59.10 N

STA 59+01, 2' R
PR-CB 49
RIM 59.73
INV. 53.20 N
INV. 53.20 S

STA 59+23, 56' R
PR-CB 51
RIM 67.41
INV. 53.47 W

PC 55+48.37

PC 55+49.20

PC 56+28.87

PT 58+35.95

PT 58+95.68

PT 12+86.04

PCC 12+38.94

PCC 356+79.21

PT 58+85.73

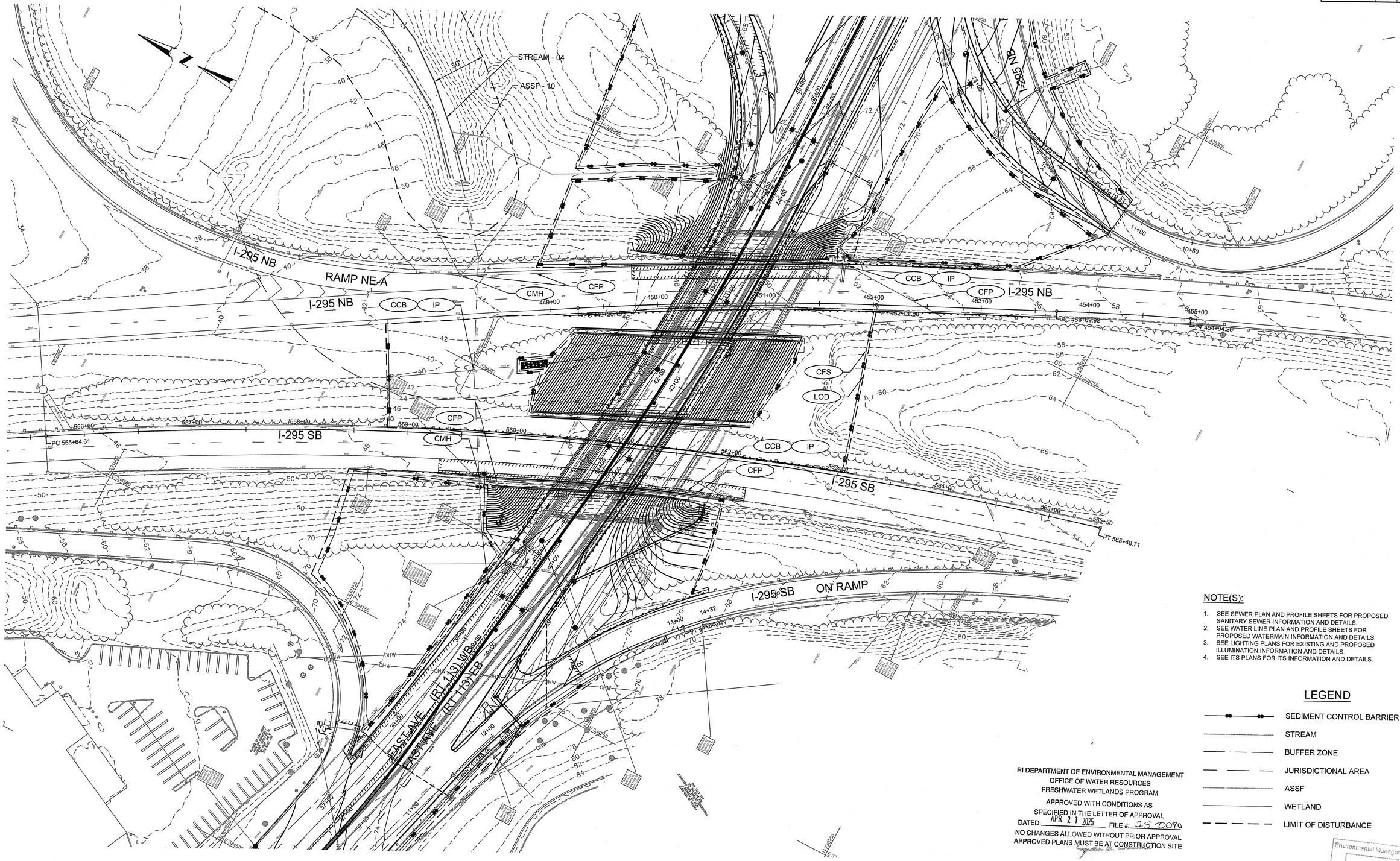
PT 14+16.34

PC 14+00.00

PC 14+00.00

PC 14+00.00

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	44	67



NOTE(S):

1. SEE SEWER PLAN AND PROFILE SHEETS FOR PROPOSED SANITARY SEWER INFORMATION AND DETAILS.
2. SEE WATER LINE PLAN AND PROFILE SHEETS FOR PROPOSED WATERMAIN INFORMATION AND DETAILS.
3. SEE LIGHTING PLANS FOR EXISTING AND PROPOSED ILLUMINATION INFORMATION AND DETAILS.
4. SEE ITS PLANS FOR ITS INFORMATION AND DETAILS.

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: APR 21 2025 FILE #: 25-0070
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Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	44
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 5

2604Y_V1_XXX_DRAINUTL10A

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	45	67

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

NOTE(S):

1. SEE SEWER PLAN AND PROFILE SHEETS FOR PROPOSED SANITARY SEWER INFORMATION AND DETAILS.
2. SEE WATER LINE PLAN AND PROFILE SHEETS FOR PROPOSED WATERMAIN INFORMATION AND DETAILS.
3. SEE LIGHTING PLANS FOR EXISTING AND PROPOSED ILLUMINATION INFORMATION AND DETAILS.
4. SEE ITS PLANS FOR ITS INFORMATION AND DETAILS.

I-95 NB RAMP "C"
I-95 SB
ROUTE 95 - SOUTHBOUND
I-95 NB
ROUTE 95 - NORTHBOUND
I-95 NB RAMP "B"
EAST AVE (RT-113) EB
EAST AVE (RT-113) WB
RAMP "D" I-95 NB
STREAM - 03
WET-06
ASSF - 08
STREAM - 05
PROPOSED SANITARY SEWER (SEE NOTE 1)
PROPOSED WATER MAIN (SEE NOTE 2)
PROTECT EXISTING DRAIN PIPE DURING PIER DEMOLITION AND CONSTRUCTION.
200' BUFFER ZONE (RIVERS/STREAMS)
PCC 356+79.21
PC 360+91.98
CFS
LOD
CFP
CCB
IP
ISCD
AB
AP
DCB
AFG

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 250090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jennifer D. Wencek

Environmental Management
MAR - 5 2025
Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	45
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

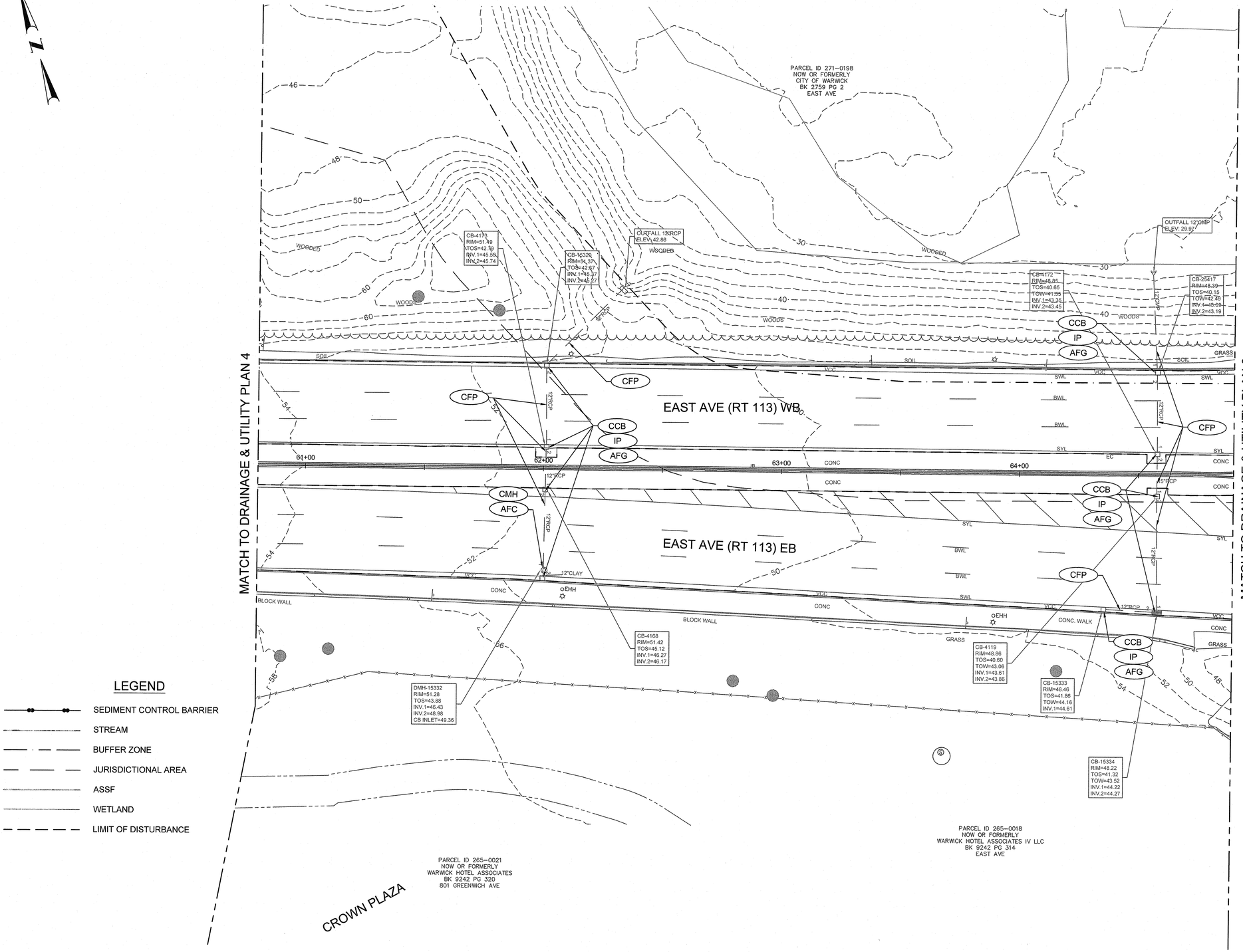
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 6

2604Y_V1_XXX_DRAINUTL11

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	46	67



LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Signature D. Wenczek

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	46
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 10 20 40

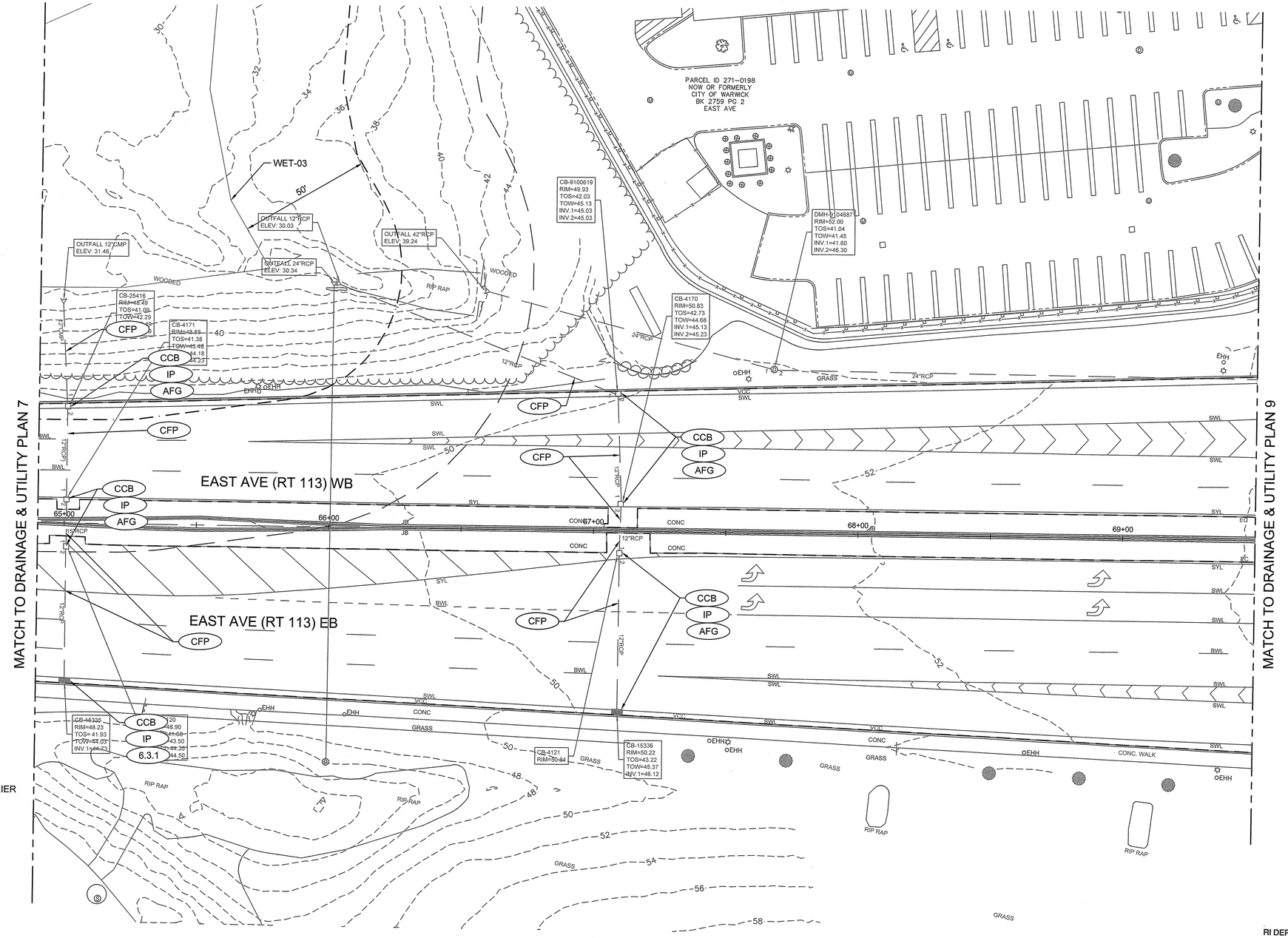
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 7

2604Y_V1_XXX_DRAIN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	47	67



LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND
- LIMIT OF DISTURBANCE

PARCEL ID 265-0018
NOW OR FORMERLY
WARWICK HOTEL ASSOCIATES IV LLC
BK 9242 PG 314
EAST AVE

Environmental Management
MAR - 5 2025
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: APR 21 2025 FILE #: 25-0010

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
03/20/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	47
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE

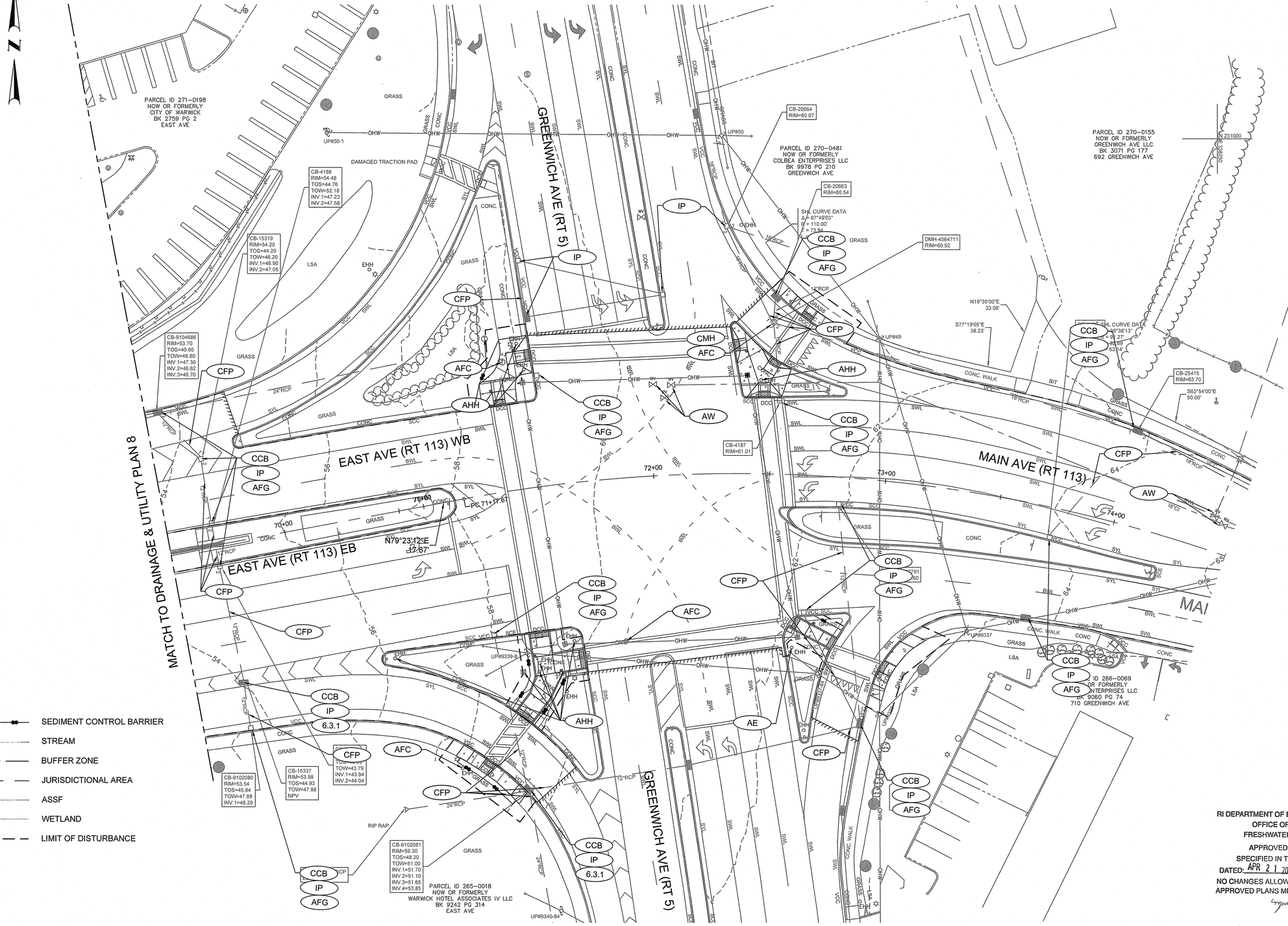
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 8

2604Y_V1_XXX_DRAIN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	48	67



Environmental Management
MAR - 5 2025
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: APR 21 2025 FILE #: 25-0098
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	48
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

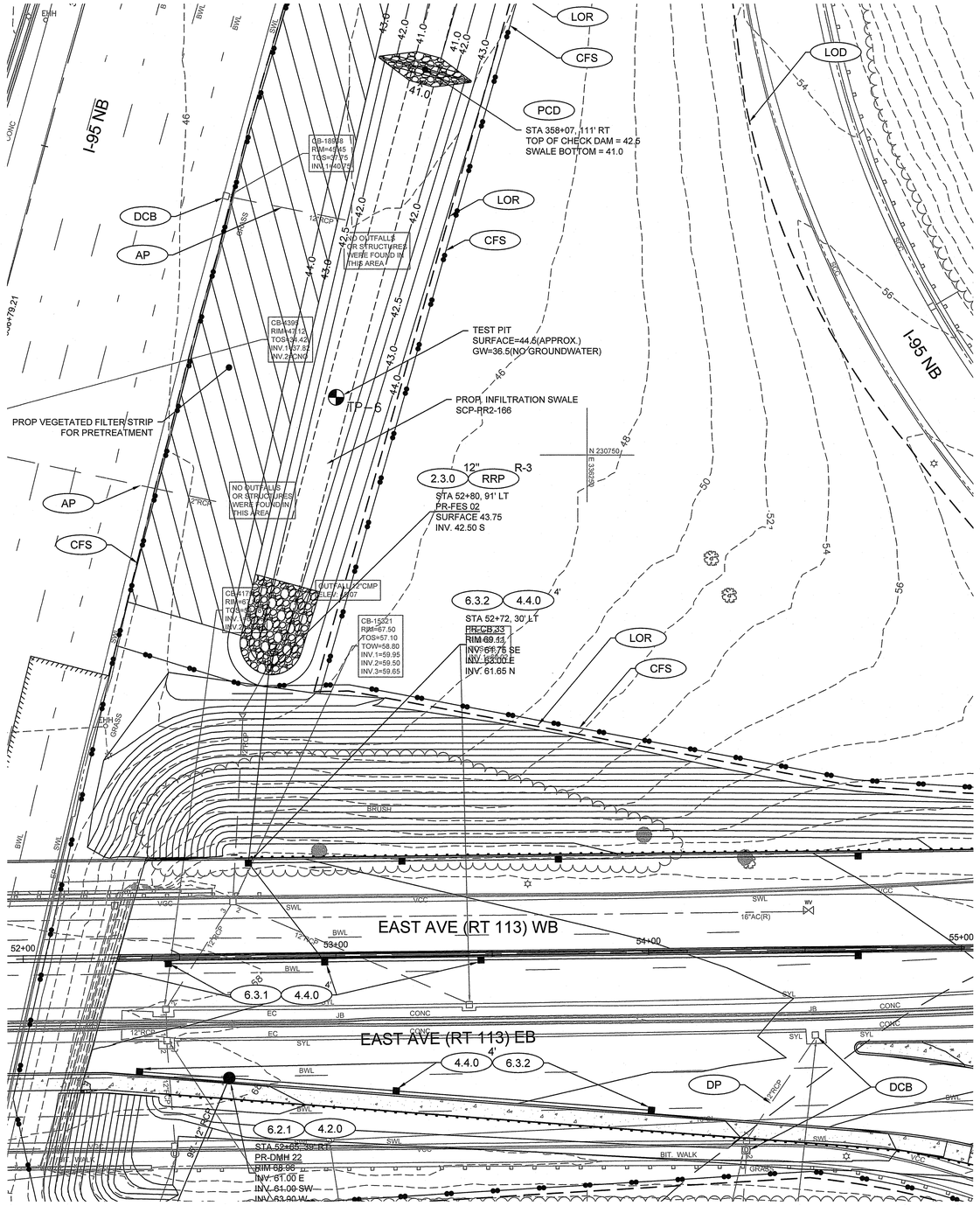
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

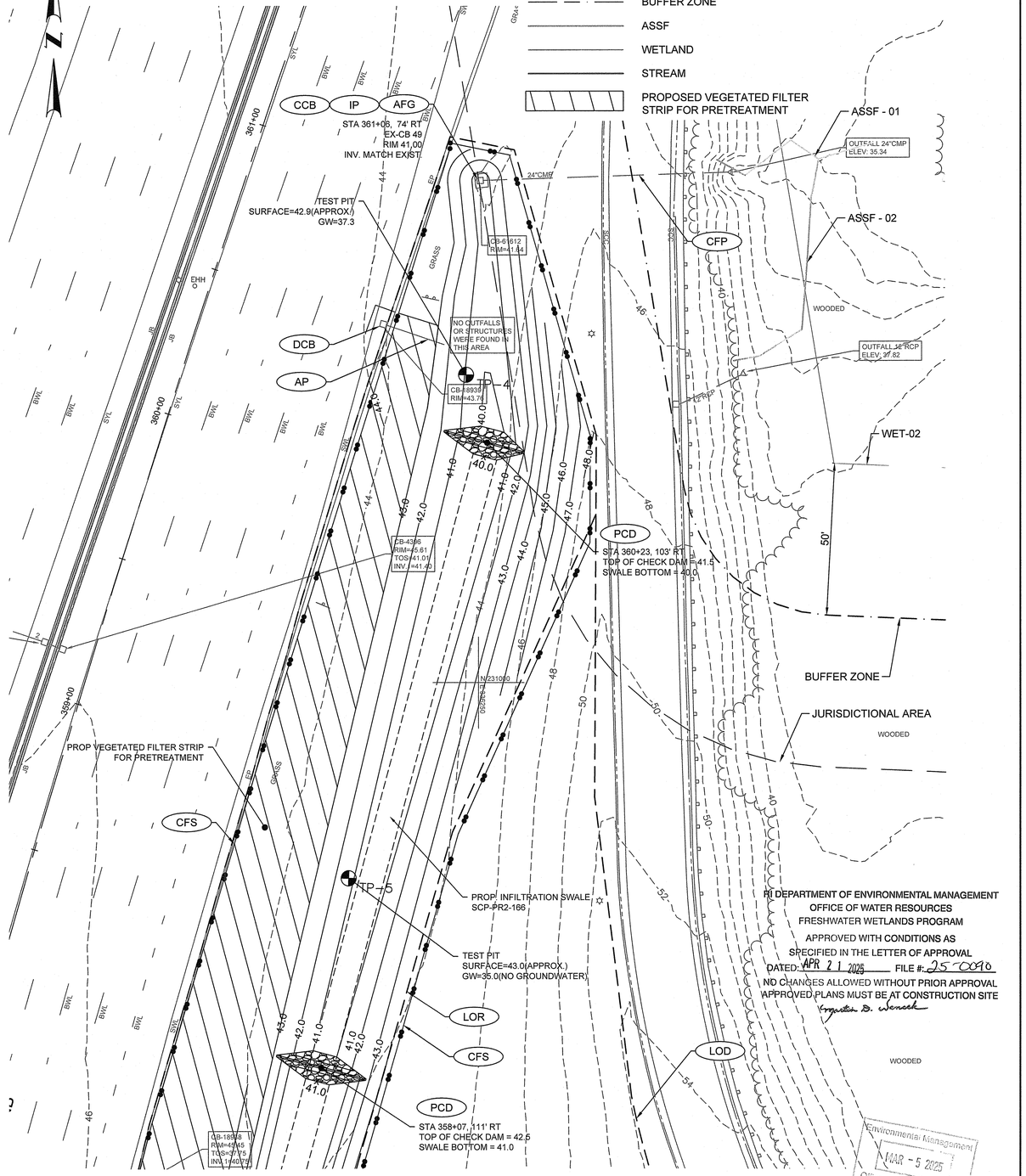
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

DRAINAGE & UTILITY PLAN 9

2604Y_V1_XXX_DRAIN_BHR-EAST

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	49	67





LEGEND

- SEDIMENT CONTROL BARRIER
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM
- PROPOSED VEGETATED FILTER STRIP FOR PRETREATMENT

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Krysten D. Wenseck

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	49
OF:	67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STORMWATER TREATMENT PLAN 1

2604Y_V1_XXX_BASIN01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	50	67

N

EAST AVE (RT 113) EB

I-95 NB

I-95 NB RAMP "B"

RAMP B"

PROP. INFILTRATION BASIN
SCP-PR2-165_REV
BOTTOM ELEV. = 38.00

PROP. SPILLWAY
ELEV. = 40.75

PROP. SPILLWAY
ELEV. = 41.50

PROP. SEDIMENT FOREBAY

PROP. 13' GRAVEL ACCESS
MAINTENANCE ROAD

TEST PIT
SURFACE = 40.9(APPROX.)
GW=34.9

TEST PIT
SURFACE = 41.1(APPROX.)
GW=35.1

BUFFER ZONE

100'

JURISDICTIONAL
AREA (TYP)

VEGETATED BUFFER

VEGETATED BUFFER REPLICATION
AREA = 2,745 SF.

STREAM - A

PR-DMH 22
RIM=88.98
INV.=61.00 E
INV.=61.00 SW
INV.=63.90 W

STA 52+28, 126' RT
PR-FES 03
SURFACE 41.25
INV.=40.00 NE

CB-4560845
RIM=48.58
TOS=36.38
INV.1=39.80

CB-61649
RIM=47.15
TOS=39.89
INV.1=43.15

DMH-15329
RIM=51.51
TOS=50.16
TOW=49.21
INV.1=49.21
CB INLET=65.7

CB-4164/4418
RIM=68.00
TOS=57.40
TOW=55.54
INV.1=50.99
INV.2=50.99

DMH-15330
RIM=67.62
TOS=57.02
TOW=59.32
INV.1=59.52
INV.2=59.33
CB INLET=65.82

CB-4166
RIM=66.95
TOS=57.90
INV.1=62.41

CB-4166
RIM=67.35
TOS=56.50
INV.1=59.50

SMH
RIM=65.69
INV.1=55.29
INV.2=55.09

CB-19408
RIM=61.69
INV.1=54.49
INV.2=54.19

OUTFALL 12"CIP
ELEV. 46.74

OUTFALL 72"RCP
ELEV. 35.35

OUTFALL 12"CMP
ELEV. 39.01

OUTFALL 12"CMP
ELEV. 42.66

OUTFALL 12"CI
ELEV. 42.67

WE-SA7
WE-SA6
WE-SA6A
WE-SA7A
WE-SA5
WE-SA5A
WE-SA4
WE-SA4A
WE-SA3
WE-SA3A

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: APR 21 2025 FILE #: 25-0070
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Environmental Management
MAR - 5 2025
Office of Water Resources

LEGEND

- SEDIMENT CONTROL BARRIER
- BUFFER REPLICATION
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM
- PROPOSED VEGETATED FILTER STRIP FOR PRETREATMENT

LYNCH

wsp

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY: AS
CHECKED BY: KK
DATE: 02/20/2025
SHEET: 50
OF: 67

SCALE: 1"=20'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STORMWATER TREATMENT PLAN 2

2604Y_V1_XXX_BASIN01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	51	67

N

JURISDICTIONAL AREA (TYP)

DC

LOD

CG

WE-SA1

WE-SA2

WE-SA2A

WE-SA3

WE-SA3A

WE-SA1A

STREAM - A

VEGETATED BUFFER REPLICATION AREA = 2,745 SF.

VEGETATED BUFFER

100'

OUTFALL 12"RCP ELEV: 39.38

OUTFALL 54"RCP ELEV: 38.67

OUTFALL 54"RCP ELEV: 38.63

OUTFALL 12"CMP ELEV: 40.25

OUTFALL 12"CMP ELEV: 41.02

150' WIDE EASEMENT THE NARRAGANSETT ELECTRIC COMPANY

GRASS

WOODED

NOTE(S):

1. SEE STORMWATER BASIN DETAIL SHEET FOR INFILTRATION BASIN NOTES.

Environmental Management
MAR - 5 2025
Office of Water Resources

LEGEND

- SEDIMENT CONTROL BARRIER
- BUFFER REPLICATION
- JURISDICTIONAL AREA
- BUFFER ZONE
- ASSF
- WETLAND
- STREAM
- PROPOSED VEGETATED FILTER STRIP FOR PRETREATMENT

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0010
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH

wsp

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY: AS
CHECKED BY: KK
DATE: 02/20/2025
SHEET: 51
OF: 67

SCALE: 1"=20'
GRAPHIC SCALE

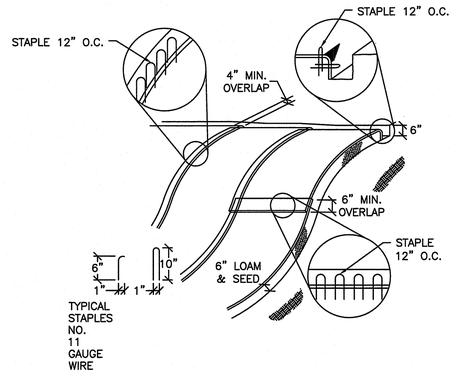
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STORMWATER TREATMENT PLAN 3

2604Y_V1_XXX_BASIN01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	52	67



NOTES:

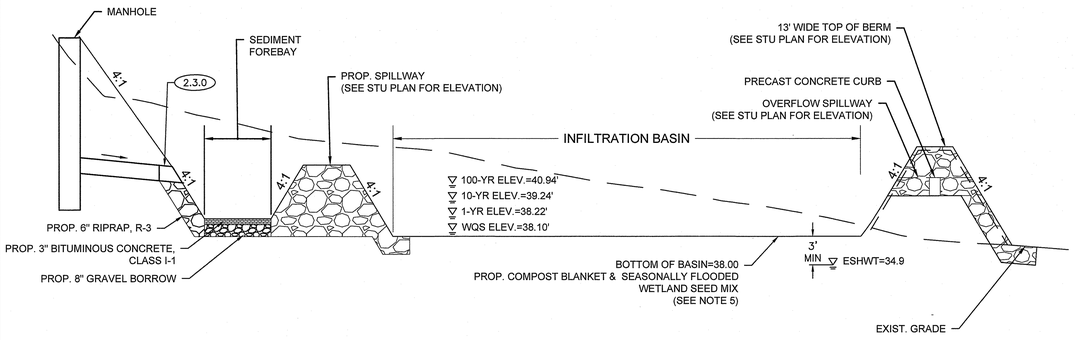
1. BEGIN AT TOP OF MATTING INSTALLATION AREA BY ANCHORING MATTING IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE MATTING DOWN THE SLOPE.
3. THE EDGES OF MATTING MUST BE STAPLED WITH APPROX. 4" OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN MATTING MUST BE SPLICED DOWN THE SLOPE, PLACE UPPER MATTING END OVER LOWER END WITH 6" MIN. OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION MATTING SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3H:1V, OR AS NOTED OTHERWISE ON THE PLANS.

EROSION MATTING - SLOPE INSTALLATION

NOT TO SCALE

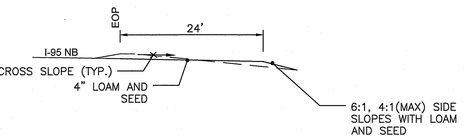
INFILTRATION BASIN NOTES:

1. LIMIT CLEARING AND GRUBBING TO THE PROP. LIMIT OF WORK OR AS OTHERWISE APPROVED BY THE ENGINEER.
2. STABILIZE ALL SLOPES IN THE BASIN AND TRIBUTARY AREA PRIOR TO ACTIVATING OUTLET TO SEDIMENT FOREBAY.
3. PROVIDE TEMPORARY CONSTRUCTION ENTRANCE CONSISTING OF CRUSHED STONE. STONE SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION OF THE INFILTRATION BASIN. STAGING AND ACCESS SHALL BE COORDINATED WITH RIDOT.
4. PROVIDE EROSION AND SEDIMENTATION CONTROL, AS SHOWN ON THE PLANS. EROSION AND SEDIMENTATION CONTROL SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION OF THE INFILTRATION BASIN.
5. SCARIFY THE BASIN BOTTOM TO THE LIMITS AND GRADES SHOWN ON THE PLANS. CONSTRUCTION EQUIPMENT SHALL BE PROHIBITED FROM ENTERING THE BASIN TO AVOID COMPACTION OF THE INFILTRATION SOIL.



TYPICAL INFILTRATION BASIN DETAIL

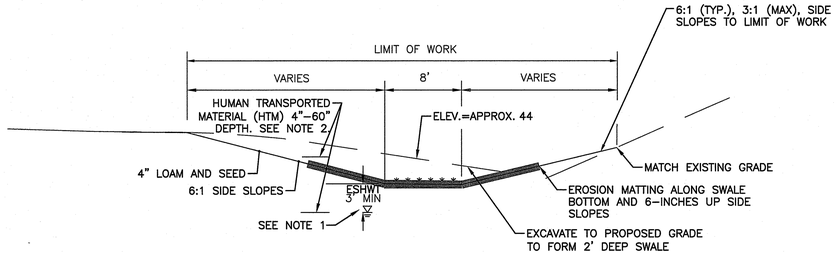
NOT TO SCALE



FILTER STRIP DESIGN DATA:
24 FT WIDTH
2% CROSS SLOPES

TYPICAL VEGETATED FILTER STRIP FOR PRETREATMENT

NOT TO SCALE

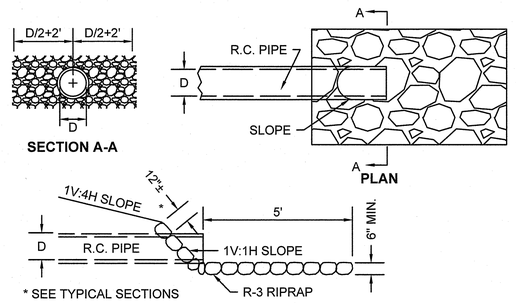


NOTES:

1. FOR TEST PITS TP-5 AND TP-6, NO GROUNDWATER WAS ENCOUNTERED WITHIN THE 8' OF EXCAVATION.
2. OVEREXCAVATE TO DEPTH OF 6 FT BELOW EXIST. GRADES AND REPLACE WITH SAND.

TYPICAL SECTION (INFILTRATION SWALE)

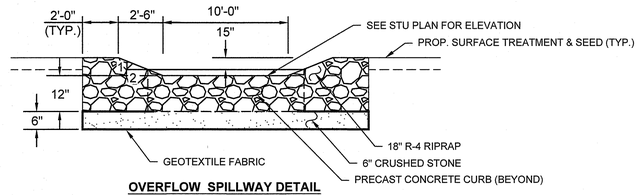
NOT TO SCALE



SIDE ELEVATION

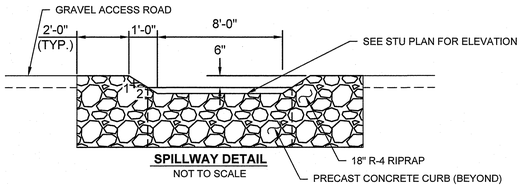
TYPICAL RIPRAP FOR END TREATMENT DETAIL (RRP)

NOT TO SCALE



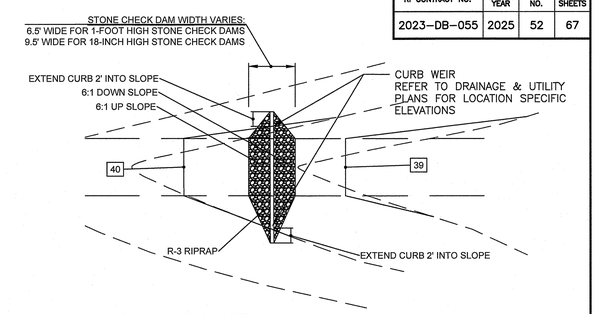
OVERFLOW SPILLWAY DETAIL

NOT TO SCALE

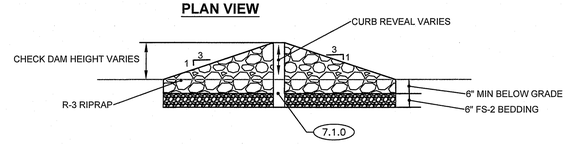


SPILLWAY DETAIL

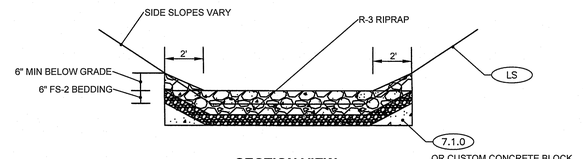
NOT TO SCALE



PLAN VIEW



PROFILE VIEW



SECTION VIEW

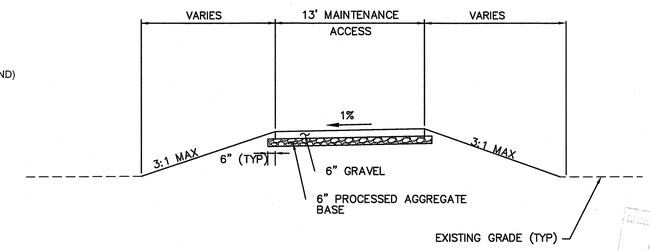
TYPICAL CHECK DAM DETAIL

NOT TO SCALE

NOTES:

1. CHECK DAM HEIGHT DETERMINED BY TOP ELEVATION AS LABELED ON THE DRAINAGE & UTILITY PLANS.
2. CHECK DAM LENGTH TO EXTEND ACROSS SWALE WIDTH, FROM FRONT SLOPE TO BACK SLOPE, AT POINTS WHERE CHECK DAM TOP ELEVATION MEETS EXISTING SLOPE.
3. CHECK DAMS SHALL BE INSTALLED AFTER EROSION MATTING INSTALLATION AND ANCHORING THE CONTRACTOR SHALL TRIM/CUT MATTING AS NEEDED FOR CHECK DAM INSTALLATION, AND SHALL ENSURE EROSION MATTING IS PROPERLY ANCHORED AND SECURE FOLLOWING CHECK DAM INSTALLATION.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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MAINTENANCE ACCESS ROAD

NOT TO SCALE

APR 21 2025

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 2/21/25

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	52
OF:	67

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	4/9/2025	RP			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

STORMWATER TREATMENT DETAILS 1

2604Y_V1_XXX_BASIN03

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	53	67

GENERAL PROJECT WIDE NOTES

1. CONTRACTOR SHALL INSTALL TEMPORARY MEASURES SUCH AS; FIBER MATTING, CRUSHED STONE, HAY OR STRAW IN AREAS WHERE SLOPES OR STABILIZATION HAS FAILED.
2. THE CONTRACTOR WILL BE REQUIRED TO INSTALL FILTER SOCK AROUND THE EXISTING CATCH BASIN GRATES WHERE PROPOSED. REMOVE AFTER CONSTRUCTION.
3. FILTER SOCK SHALL BE INSTALLED WHERE SHOWN ON PLANS. ADDITIONAL APPLICATIONS OF THESE CONTROL MEASURES WILL BE REQUIRED DURING THE CONSTRUCTION PROCESS. FILTER SOCK SHALL BE INSTALLED IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW APPROXIMATELY EVERY 50 FEET. THE CONTRACTOR SHALL INSPECT THE SITE AT A MINIMUM OF ONCE PER WEEK OR WITHIN 24 HOURS AFTER A STORM EVENT.
4. IF EROSION OR EROSIVE TENDENCIES ARE APPARENT ON THE SITE, THE CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL CONSTRUCTION BMP'S SUCH AS SAND BAGS AS DIRECTED BY RIDEM, RIDOT, OR ENGINEER DURING CONSTRUCTION.
5. IF SEDIMENT OR DEBRIS IS TRACKED ONTO EXISTING PAVED AREAS ADJACENT TO THE CONSTRUCTION AREA, THE CONTRACTOR IS REQUIRED TO SWEEP THE PAVEMENT ON A DAILY BASIS. THE AREA SHALL BE INSPECTED DAILY.
6. THE CONTRACTOR IS RESPONSIBLE TO KEEP THE SITE CLEAN OF TRASH. RECOMMENDED DAILY PATROL OF THE CONSTRUCTION SHOULD BE CONDUCTED TO PICK-UP TRASH. THE OPERATOR SHALL REQUIRE THE CONTRACTOR TO HAVE PORTABLE SANITARY FACILITIES ON SITE. ROUTINE CLEANING AND WASTE DISPOSAL OF THESE PORTABLE SANITARY FACILITIES IS REQUIRED.

SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES

1. THE LATEST VERSION OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE R.I. STATE CONSERVATION COMMITTEE, MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
2. THE CONTRACTOR SHALL REFER TO THE DRAINAGE & UTILITY PLANS FOR THE SOIL EROSION AND SEDIMENT CONTROL MEASURES. ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS REQUIRE FILTER SOCK AND INLET PROTECTION WHERE PROPOSED. RIDEM AND RIDOT RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO INSTALL ADDITIONAL EROSION CONTROL MEASURES WHERE DEEMED NECESSARY.
3. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE DRAINAGE SYSTEM, WETLAND AREAS, ADJACENT PROPERTIES, AND ROADWAYS.
4. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH PROTECTIVE COVERS, SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY RIDOT.
5. HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.
6. STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY 12-INCH COMPOST FILTER SOCK OR SILT FENCE.
7. STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW OR FIBER MATTING.
8. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE AS NEEDED.
9. THE FILTER SOCK MAY BE INSTALLED ON THE EXISTING PAVEMENT /IMPERVIOUS AREAS WITHOUT STAKES. CONTRACTOR SHALL INSPECT DAILY, IF SOIL EROSION OR SEDIMENT IS OBSERVED IN THESE AREAS, THE CONTRACTOR SHALL RELOCATE OR INSTALL ADDITIONAL FILTER SOCK IN LOCATIONS THAT CAN BE STAKED.
10. THE CONTRACTOR SHALL MAINTAIN (AND CLEAN) THE EXISTING DRAINAGE INFRASTRUCTURE ON AN AS NEEDED BASIS TO MAINTAIN STORMWATER RUNOFF FLOWS IN A POSITIVE DIRECTION.
11. SILT FENCES SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION TO REMOVE SEDIMENT FROM RUNOFF WATER AND FROM LAND UNDERGOING CONSTRUCTION. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN ITS DEPTH REACHES 50% OF THE HEIGHT OF THE SILT FENCE. REPLACE DAMAGED SILT BARRIERS AS REQUIRED BY THE ENGINEER AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE POSSIBLE, NATURAL DRAINAGE WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE CLEAN EXCESS SURFACE WATER.
12. THE CONTRACTOR SHALL INSTALL SILT SACK SEDIMENT TRAPS WITHIN ALL CATCH BASINS LOCATED WITHIN AND DOWNSTREAM OF PROJECT SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF SILT FENCES, DRAINAGE SWALES, EARTH DIKES, TEMPORARY SETTLING BASINS, CHECK DAMS AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THESE PRACTICES DIVERT FLOWS FROM EXPOSED SOILS, LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE TO THE DEGREE ATTAINABLE.
13. THE CONTRACTOR MUST ALSO ANTICIPATE INCREASED RUNOFF FROM STEEPER SLOPES AND DURING HIGH GROUNDWATER CONDITIONS. THIS MAY OCCUR DURING THE WET SEASON (TYPICALLY MARCH THROUGH APRIL) OR AFTER SIGNIFICANT PRECIPITATION EVENTS.
14. STEEP SLOPES (3:1 AND STEEPER) SHALL BE STABILIZED BY INSTALLING EROSION CONTROL MATTING (E.G., NORTH AMERICAN GREEN OR EXCELSIOR).
15. THE CONTRACTOR SHALL CONDUCT ROUTINE INSPECTION AND MAINTENANCE AND/OR MODIFICATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES WHILE EARTHWORK IS ONGOING IS REQUIRED.
16. THE CONTRACTOR SHALL PROVIDE FINAL SITE STABILIZATION OF ANY DISTURBED AREAS AFTER EARTHWORK HAS BEEN COMPLETED AND REMOVAL OF TEMPORARY EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES.
17. TEMPORARY EROSION AND SEDIMENT CONTROL BMPS (INCLUDING SILT FENCE) SHALL BE REMOVED WITHIN 30 CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED AS DETERMINED BY THE ENGINEER. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED (95% VEGEATION DENSITY).
18. THE CONTRACTOR SHALL ACTIVATE POST-CONSTRUCTION STORMWATER TREATMENT CONVEYANCES AND PRACTICES.

DUST CONTROL NOTES

ON AN AS-NEEDED BASIS OR AS DIRECTED BY RIDOT OR RIDEM, THE CONTRACTOR SHALL UTILIZE THE FOLLOWING METHODS TO CONTROL DUST:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT-DOWN PERIODS, MUST MONITOR AND REPAIR, AS NEEDED, ALL SLOPES TO ENSURE A STABLE PRODUCT.
2. THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
3. CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
4. MAINTAIN DUST CONTROL MEASURES PROPERLY THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. BARRIERS – A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR CAN CONTROL AIR CURRENTS AND BLOWING SOIL. ALL OF THESE FENCES ARE NORMALLY CONSTRUCTED OF WOOD AND THEY PREVENT EROSION BY OBSTRUCTING THE WIND NEAR THE GROUND AND PREVENTING THE SOIL FROM BLOWING OFFSITE.

THE METHODS SHOULD BE REPEATED AS NEEDED, AND SPECIAL ATTENTION MUST BE GIVEN TO THE ACCESS DRIVES.

INSPECTION/MAINTENANCE NOTES

1. PRIOR TO COMMENCING EARTHWORK, FILTER SOCK SHALL BE PLACED DOWNHILL OF THE LIMITS OF DISTURBANCE, AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER, TO PREVENT SEDIMENT FROM ENTERING THE EXISTING CLOSED DRAINAGE SYSTEMS, WETLAND AREAS AND ABUTTING PROPERTIES.
2. R.I. STD. 9.9.0 CONSTRUCTION ACCESS MUST BE INSTALLED AT ALL ENTRANCE LOCATIONS INTO THE CONSTRUCTION SITE. THE LOCATION OF THESE ACCESS POINTS MAY VARY THROUGHOUT THE CONSTRUCTION PROCESS DUE TO THE SIZE AND SCOPE OF THE PROJECT. THE CONDITION AND LOCATIONS OF THE CONSTRUCTION ACCESS PADS MUST BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. ALL CONSTRUCTION ACCESSES SHALL BE INSTALLED PRIOR TO ANY VEHICLE TRAFFIC.
3. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE DRAINAGE SYSTEM.
4. ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSIVE TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SLOPE PROTECTION – SUCH AS EROSION CONTROL BLANKETS OR RIP-RAP.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
6. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT / REPLACE DAILY DURING CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION PERIODS.
7. ADDITIONAL SILT FENCE, FILTER SOCK OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.

SWALE AND BASIN CONSTRUCTION NOTES

1. SWALE AND BASIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO SECTION 5.7 OF THE RHODE ISLAND STORMWATER DESIGN & INSTALLATION STANDARDS MANUAL, AMMENDED MARCH 2015. AFTER CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE FINAL INSPECTIONS WITH RIDOT.
2. WITHIN THE PROPOSED SWALE AND BASIN LOCATIONS, THE CONTRACTOR SHALL EXCAVATE DOWN TO THE DEPTHS SPECIFIED FOR EACH TYPICAL SWALE/BASIN CROSS-SECTION DETAIL PER LOCATION AS SHOWN ON DRAINAGE & UTILITY DETAIL PLAN No. 1. THE SWALE AND BASIN TYPICAL SECTIONS SHALL CONSIST OF EROSION MATTING WITH 4 INCHES OF LOAM AND SEED TO GRADE WITH MAXIMUM SIDE SLOPES AT 4:1.
3. THE CONTRACTOR IS REQUIRED TO SUBMIT A LIST OF MATERIALS, GRADATIONS AND THE NAME AND ADDRESS OF THE SUPPLIERS TO THE ENGINEER FOR APPROVAL PRIOR TO BRINGING MATERIAL ON SITE. MATERIAL CERTIFICATIONS SHALL ALSO BE REQUIRED FOR REVIEW AND APPROVAL.
4. GREAT CARE MUST BE TAKEN TO PROTECT THE BOTTOM OF SWALE AND WET POND WIDTH FROM COMPACTION BY MARKING OFF THE BOTTOM WIDTHS BEFORE THE START OF CONSTRUCTION.
5. IF LARGE ROCKS, BOULDERS, OR OTHER UNSUITABLE MATERIAL ARE FOUND WITHIN THE SWALE AND BASIN EXCAVATION THE CONTRACTOR SHALL REMOVE THE UNSUITABLE MATERIAL FOR INFILTRATION AND REPLACE WILL ASTM C-33 SAND OR APPROVED EQUAL. CONTRACTOR SHALL COORDINATE ANY SUBGRADE REPLACEMENT WITH ENGINEER.
6. CLEARING AND GRUBBING OF EXISTING VEGETATION WITHIN SWALE AND BASIN LOCATIONS WILL BE REQUIRED ON AS NEEDED BASIS. CLEARING AND GRUBBING WILL BE REQUIRED WITHIN THE LIMITS OF DISTURBANCE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE MEANS AND METHODS FOR ENSURING GRASS GROWTH AND STABILIZATION IN THE SWALES AND BASINS. THESE MEANS AND METHODS MAY CONSIST OF, BUT ARE NOT LIMITED TO; COMPOST FILTER SOCK PLACED PERPENDICULARLY TO THE DIRECTION OF FLOW IN THE SWALES AT VARYING INTERVALS TO IMPEDE FLOW ON AS NEEDED BASIS AT LOCATIONS WHERE VEGETATION IS NOT ESTABLISHING, ETC. THIS CONSTRUCTION ACTIVITY SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
8. FOR THE STU CONSTRUCTION, THE SEQUENCE OF INSTALLATION FOLLOWING EXCAVATION IS AS FOLLOWS: FINE GRADE, PLACE LOAM, SEED, PLACE AND STAKE EROSION MATTING IN SWALE AND PLACE TEMPORARY FILTER SOCK WHERE SHOWN ON PLANS.

SITE GRADING NOTES

1. PROPOSED GRADING SHALL MATCH EXISTING GRADES AT THE LIMIT OF WORK. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK AND ENSURE NO PONDING AREAS ARE CREATED.
2. GRADE ALL AREAS TO DRAIN.
3. PROPOSED WALKWAYS SHALL BE CONSTRUCTED WITH A CROSS SLOPE OF NO MORE THAN 1.5% AND A LONGITUDINAL SLOPE OF NO MORE THAN 4.5%
4. HANDICAP PARKING SPACES SHALL BE CONSTRUCTED WITH SLOPES NO MORE THAN 1.5% IN ANY DIRECTION.

INFILTRATION AREAS

1. TO ENSURE THE LONG-TERM FUNCTION AND VALUE OF ANY AREA PROPOSED FOR INFILTRATION, INCLUDING BUT NOT LIMITED TO INFILTRATION BASINS, THE CONTRACTOR SHALL EXERCISE THE FOLLOWING BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION:
2. THESE AREAS SHALL NOT BE USED FOR TEMPORARY CONSTRUCTION SEDIMENTATION CONTROL, SEDIMENTATION BASINS, OR DEWATERING AREAS.
3. THESE AREAS SHALL REMAIN OFF-LINE UNTIL THE ENTIRE CONSTRUCTION AREA CONTRIBUTING TO THESE AREAS HAS BEEN STABILIZED WITH BUILDINGS, BUILDING FOUNDATIONS, PAVEMENT, OR VEGETATION, AS APPLICABLE.
4. STORMWATER RUNOFF DURING CONSTRUCTION SHALL BE DIRECTED AWAY FROM THESE AREAS TO THE GREATEST EXTENT PRACTICABLE. WHERE NOT FEASIBLE, THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROLS UP-GRADIENT OF THESE AREAS TO PREVENT SEDIMENTATION OF THESE AREAS DURING CONSTRUCTION.
5. THE SUBGRADE BELOW THESE AREAS SHALL NOT BE COMPACTED; THEREFORE, THE CONTRACTOR SHALL RESTRICT ACCESS TO THESE AREAS BY HEAVY EQUIPMENT AND SHALL NOT USE THESE AREAS FOR MATERIALS STOCKPILES.
6. EXCAVATION AND CONSTRUCTION OF THESE AREAS SHALL BE PERFORMED USING HAND OR HYDRAULIC EQUIPMENT TO ENSURE THAT THE NATURAL FILTRATION EARTH MATERIAL IS NOT DISTURBED OR OTHERWISE COMPACTED.
7. UPON COMPLETION OF CONSTRUCTION OF ANY OF THESE AREAS, THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES TO PREVENT SILTATION OF THE FILTER MATERIALS.

MATERIAL AND SUBMITTAL:

1. CONTRACTOR TO SUBMIT CONTENT, ANALYSIS, AND SAMPLE OF COMPOST AND MATERIAL TEST REPORTS FOR IMPORTED TOPSOIL USED IN SOIL MIX.
2. AS-BUILT DRAWINGS SHALL BE COMPLETED AND SHALL INDICATE THE TRUE MEASUREMENT AND LOCATION, HORIZONTAL AND VERTICAL, OF ALL ENTIRETY OF THE INFILTRATION BASINS, SEDIMENT FOREBAYS, AND GRASS SWALE. AS-BUILT DRAWINGS SHALL ALSO CONTAIN ANY ADDITIONAL INFORMATION REQUIRED BY THE MUNICIPALITY AND SHALL BE STAMPED WITH THE SEAL OF A RHODE ISLAND LICENSED LAND SURVEYOR. SUBMIT ELECTRONIC COPIES OF AS-BUILT DRAWINGS UPON COMPLETION AND ACCEPTANCE OF WORK.

SEEDING NOTES

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW PER THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (RI SESC). THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED. SATISFACTORY GROWTH SHALL MEAN APPROXIMATELY 95% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

1. DISTURBED AREAS SHALL BE PREPARED FOR SEEDING BY RAKING 6" OF THE GROUND SURFACE TO LOOSEN THE EXISTING SOIL.
2. FOR SEEDING WITHIN SWALES AND INFILTRATION BASINS, UTILIZE TYPE 4, NATIVE SEED MIX, AT A RATE OF 174 POUNDS/ACRE.
3. SEEDING FOR NON-NATIVE SPECIES SHALL BE COMPLETED BETWEEN THE DATES OF APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 30. SEEDING FOR NATIVE SPECIES SHALL BE COMPLETED IN AUGUST AND SEPTEMBER. IF SEEDING CANNOT HAPPEN DURING THIS TIME, GRASS ESTABLISHMENT WILL BE REQUIRED DURING THE NEXT SEASON BETWEEN APRIL 1 THROUGH JUNE 1. WATERING MAY BE REQUIRED DURING DRY PERIODS.
4. IF FINAL SEEDING OF THE DISTURBED AREA IS NOT COMPLETED BY OCTOBER 1ST OF THE YEAR OF CONSTRUCTION, THEN TEMPORARY VEGETATIVE COVER SHALL BE INSTALLED PER THE RI SESC.

Environmental Management
MAR - 5 2025
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: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

LYNCH | WSP | RI DOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL

DESIGNED BY:	AS
CHECKED BY:	KK
DATE:	02/20/2025
SHEET:	53
OF:	67

SCALE: NONE

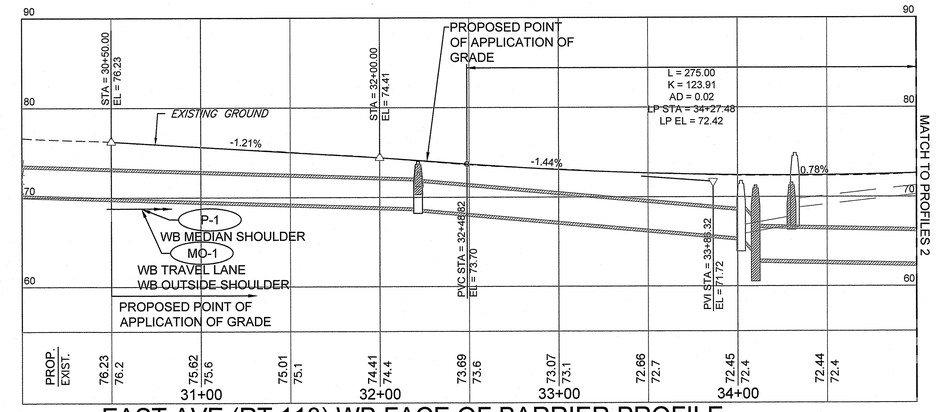
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

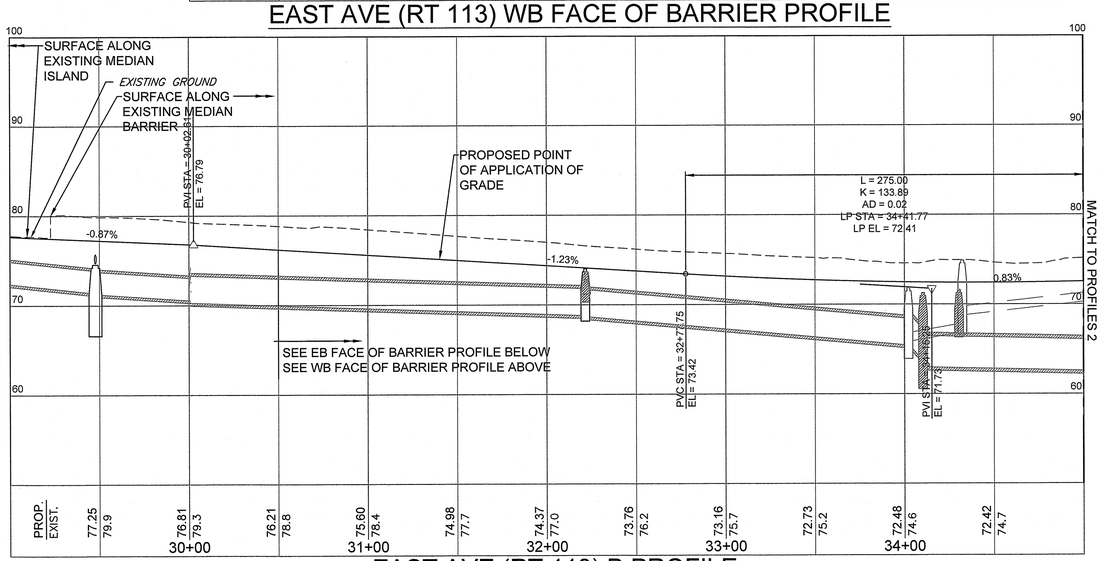
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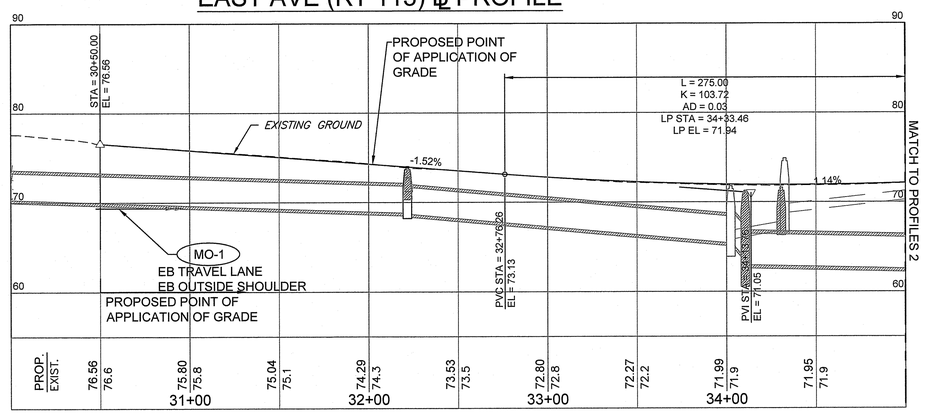
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	54	67



EAST AVE (RT 113) WB FACE OF BARRIER PROFILE



EAST AVE (RT 113) ℄ PROFILE



EAST AVE (RT 113) EB FACE OF BARRIER PROFILE

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OFFICE OF WATER RESOURCES
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Environmental Management
MAR - 5 2025
Office of Water Resources

NOTE(S):

1. SEE SEWER PLAN AND PROFILE SHEETS AND WATER LINE PLAN AND PROFILE SHEETS FOR PROPOSED SANITARY SEWER AND WATER MAIN LOCATION AND INFORMATION.
2. EXISTING SANITARY SEWER NOT SHOWN FOR CLARITY.
3. SEE DRAINAGE AND UTILITY PLANS FOR EXISTING AND PROPOSED DRAINAGE TOP OF FRAME AND INVERT ELEVATIONS.

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
3/31/25

DESIGNED BY: JM
CHECKED BY: SDG
DATE: 02/20/2025
SHEET: 54
OF: 67

SCALE: HORIZ.:1"=40' VERT.:1"=8'
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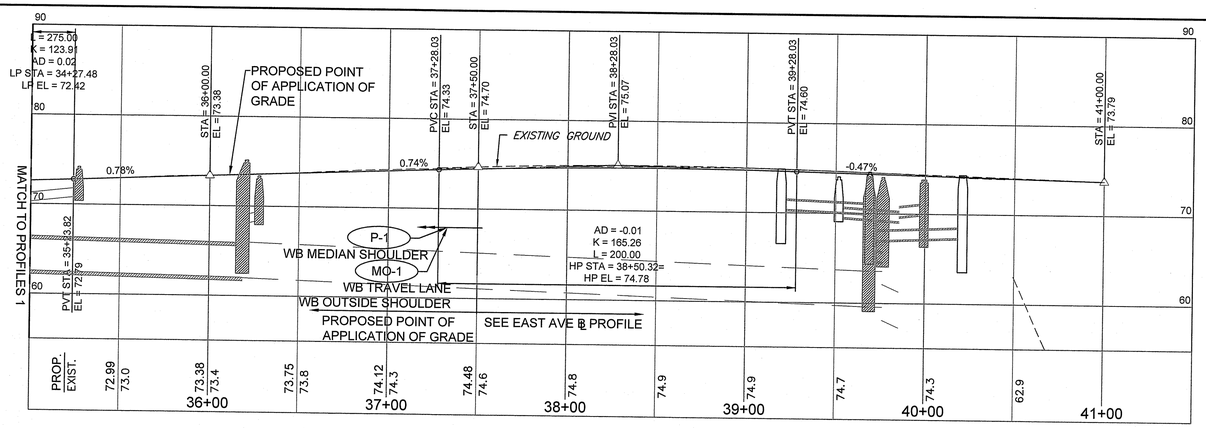
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BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
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WARWICK RHODE ISLAND

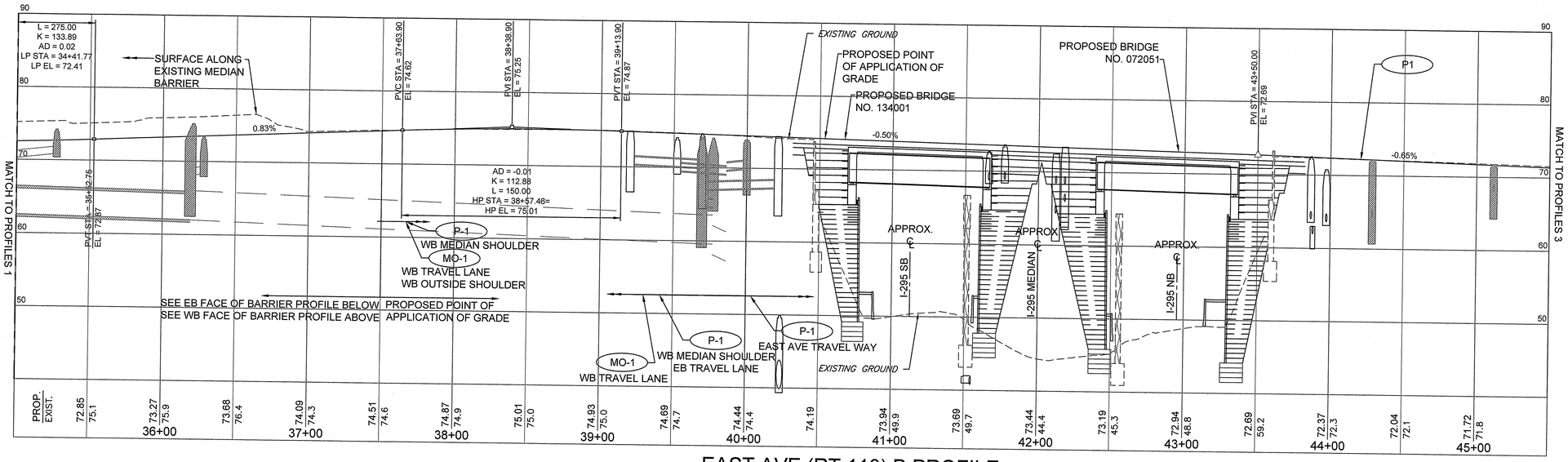
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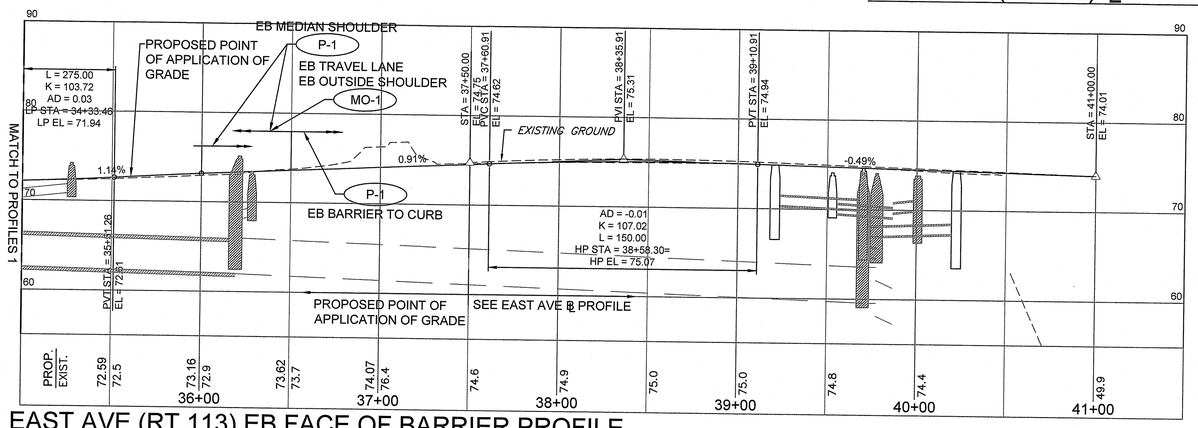
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	55	67



EAST AVE (RT 113) WB FACE OF BARRIER PROFILE



EAST AVE (RT 113) ℄ PROFILE



EAST AVE (RT 113) EB FACE OF BARRIER PROFILE

Environmental Management
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
3/21/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	55
OF:	67

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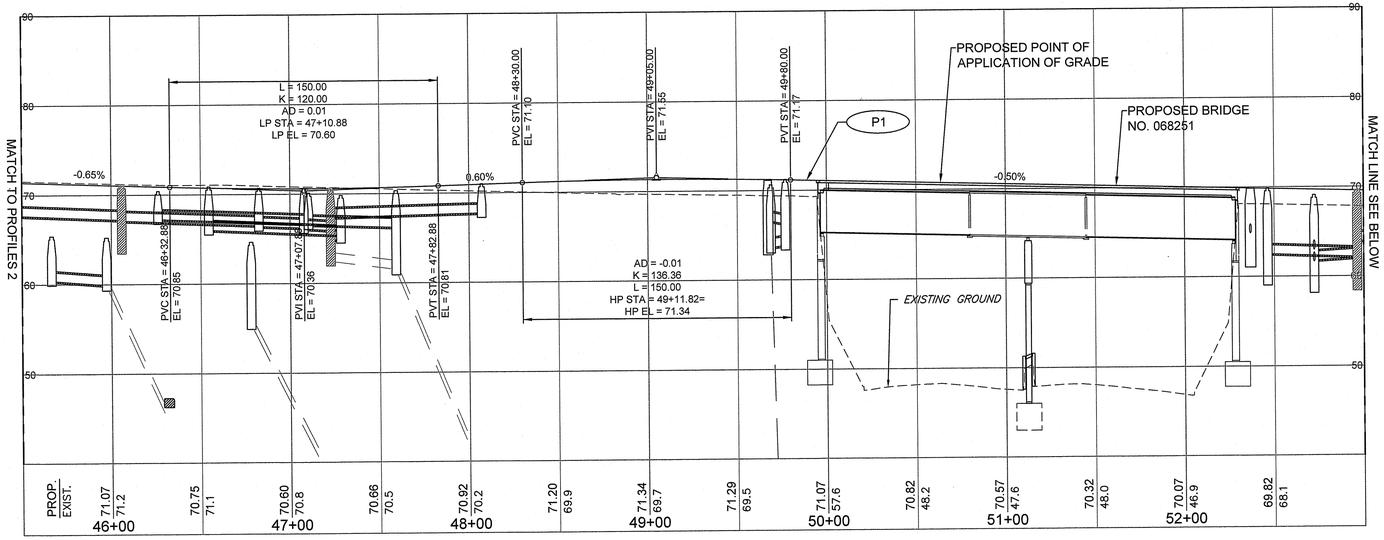
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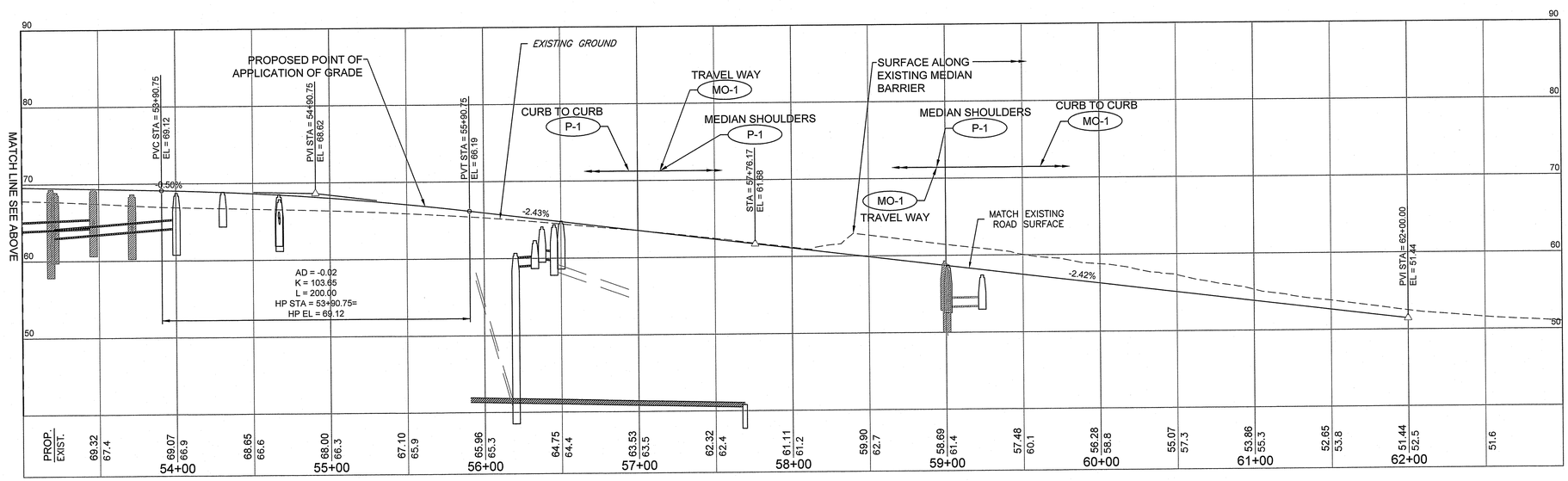
BRIDGE GROUP 97 - WARWICK CORRIDOR
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WARWICK RHODE ISLAND

PROFILES 2

2604Y_V1_XXX_PROFILES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2025	56	67





Environmental Management
MAR - 5 2025
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EAST AVE (RT 113) PROFILE

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RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 5/21/25

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DATE:	02/20/2025
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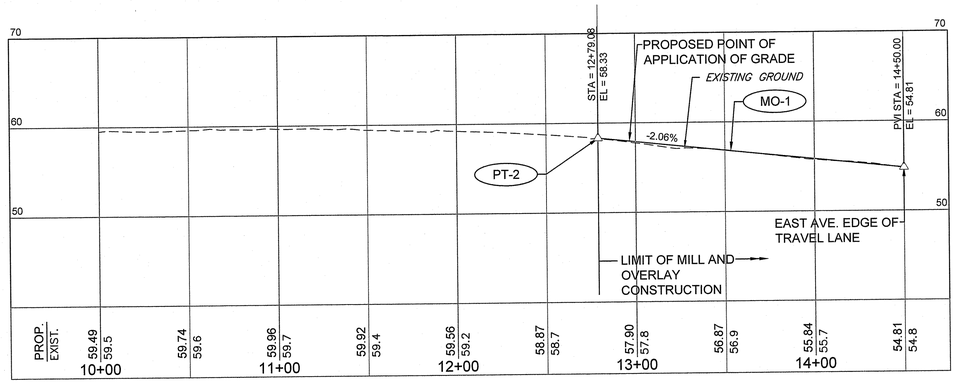
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REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

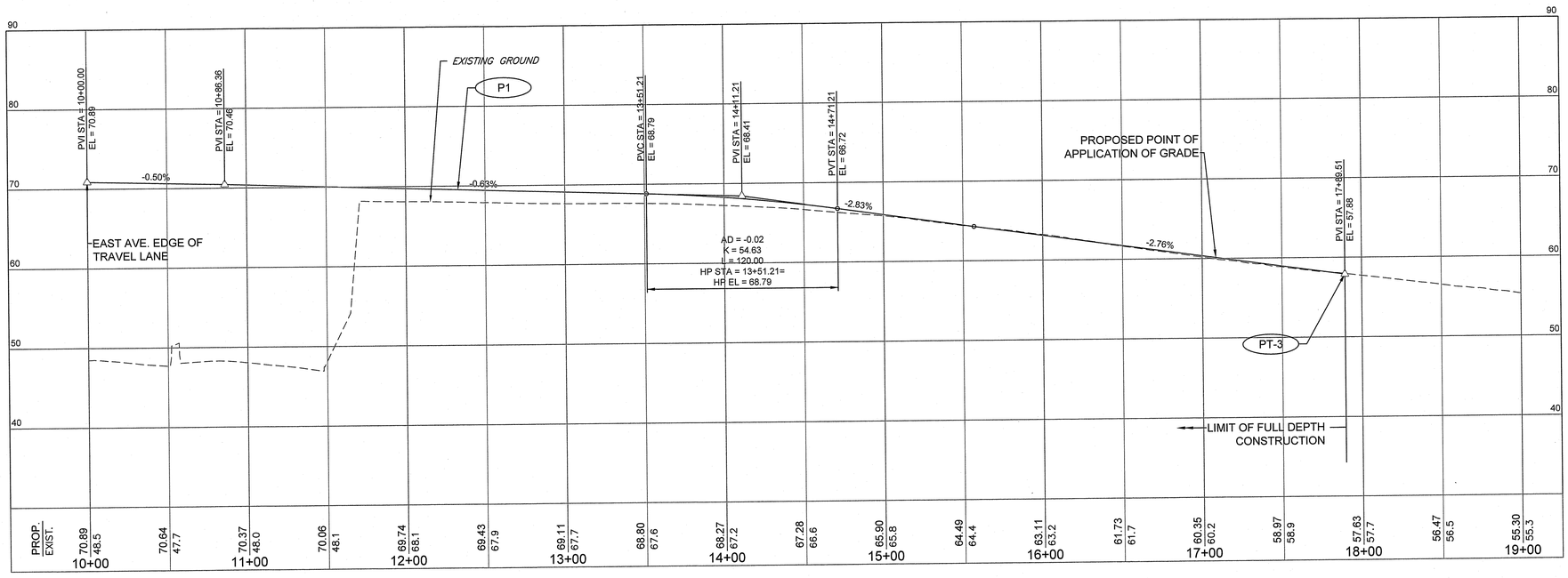
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND
PROFILES 3

2604Y_V1_XXX_PROFILES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	57	67



RAMP A PROFILE



RAMP B PROFILE

Environmental Management
MAR - 5 2025
Office of Water Resources

RI DEPARTMENT OF ENV!RONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jonathan D. Stancek

LYNCH

WSP

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	57
OF:	67

SCALE: HORIZ.:1"=40' VERT.:1"=8'
HOR. SCALE IN FEET 0 40 80
VER. SCALE IN FEET 0 8 16

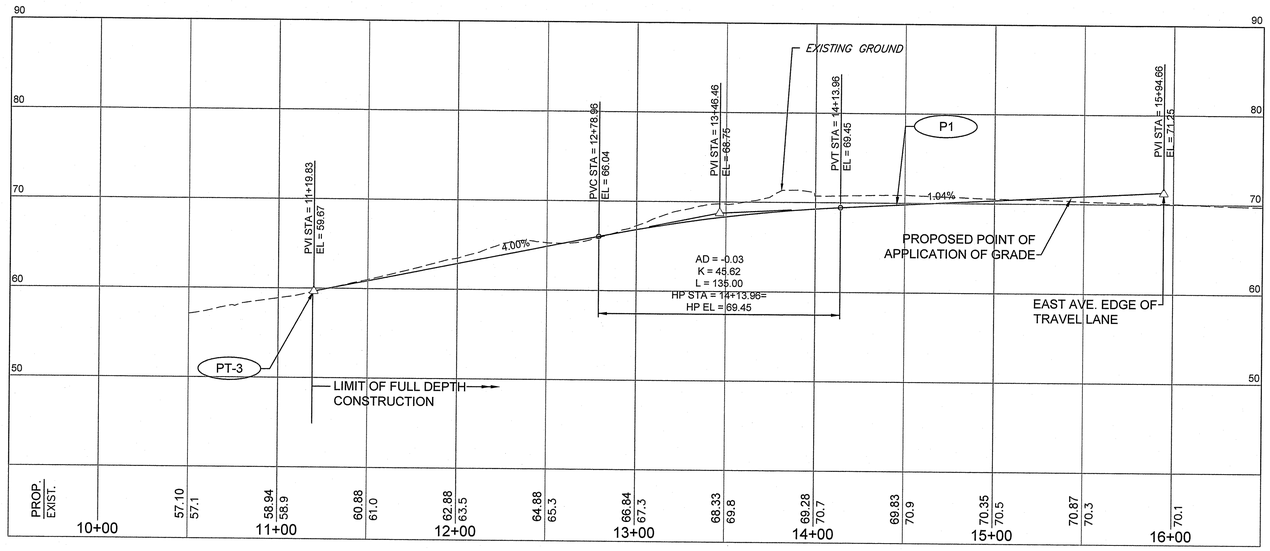
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

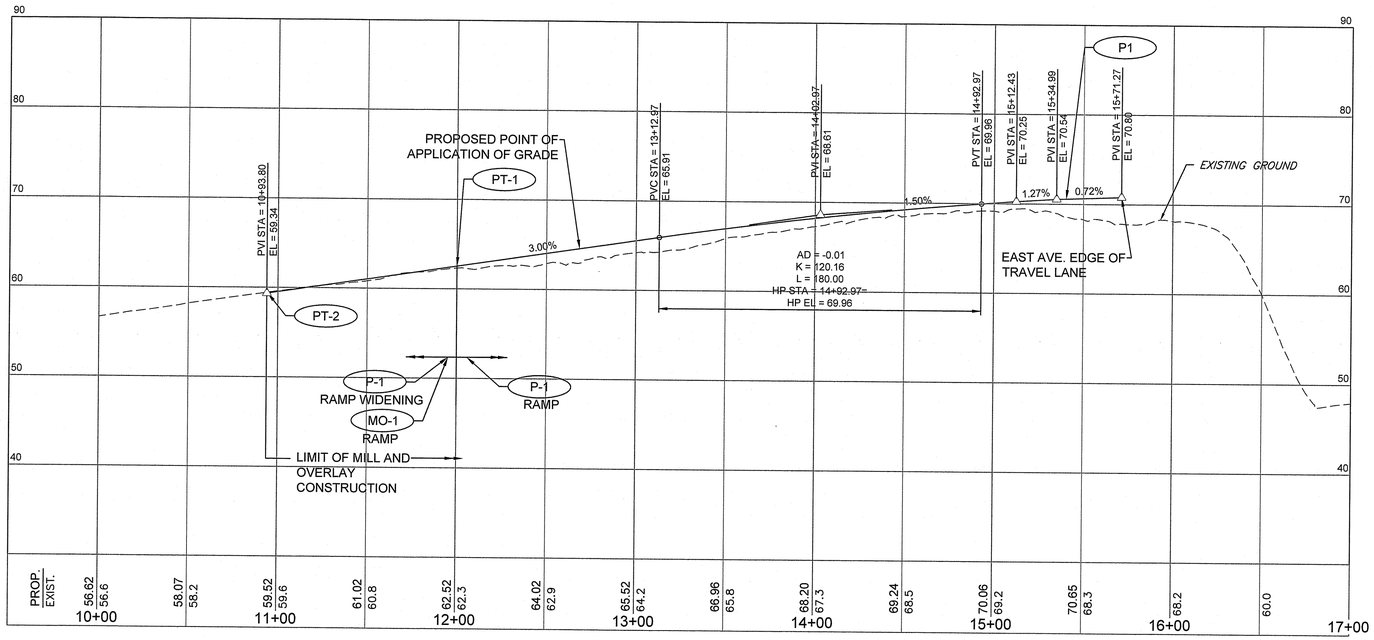
PROFILES 4

2604Y_V1_XXX_PROFILES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	58	67



RAMP C PROFILE



RAMP E PROFILE

Environmental Management
MAR - 5 2025
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: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Kristen D. Wenech

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY: JM
CHECKED BY: SDG
DATE: 02/20/2025
SHEET: 58
OF: 67

SCALE: HORIZ.:1"=40' VERT.:1"=8'
HOR. SCALE IN FEET 0 40 80
VER. SCALE IN FEET 0 8 16

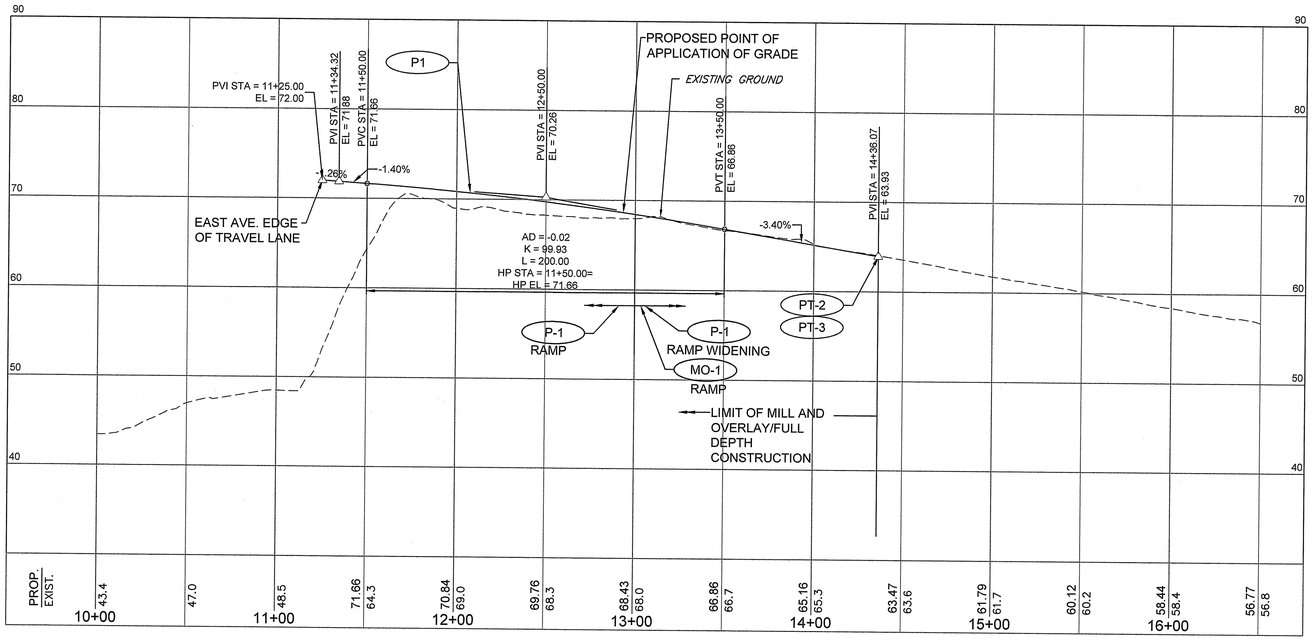
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

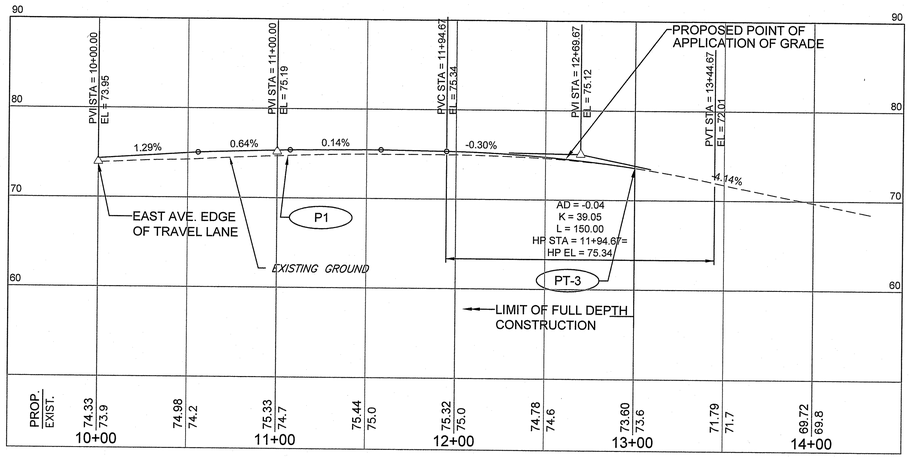
PROFILES 5

2604Y_V1_XXX_PROFILES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	59	67



RAMP F PROFILE



RAMP Y PROFILE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 23-0070
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/20/25

DESIGNED BY: JM
CHECKED BY: SDG
DATE: 02/20/2025
SHEET: 59
OF: 67

SCALE: HORIZ.:1"=40' VERT.:1"=8'
HOR. SCALE IN FEET 0 40 80
VER. SCALE IN FEET 0 8 16

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

PROFILES 6

2604Y_V1_XXX_PROFILES01

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	60	67

N

I-295 SB OFF RAMP

I-295 SB RAMP NE-A

I-295 NB

I-295 SB

I-295 NB RAMP NE-A

I-95 SB RAMP "F"

I-95 SB RAMP "E"

I-95 SB RAMP "C"

STREAM - 04

ASSF - 10

EAST AVE (RT 113) WB

EAST AVE (RT 113) EB

I-295 SB ON RAMP

PCC 35+45.66

PRC 11+48.25

PT 37+92.33

PCC 14+36.07

PRC 17+34.32

PT 44+15.23

PCC 18+93.71

PT 15+21.93

301
N: 230542.648'
E: 334879.431'
EL: 75.309'
TRV MAG

BB-1

BB-2

BB-3

BB-4

MATCH TO GRADING PLAN 2

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 21 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR 5 2025
Office of Water Resources

LYNCH

wsp

RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	60
OF:	67

SCALE: 1"=40'
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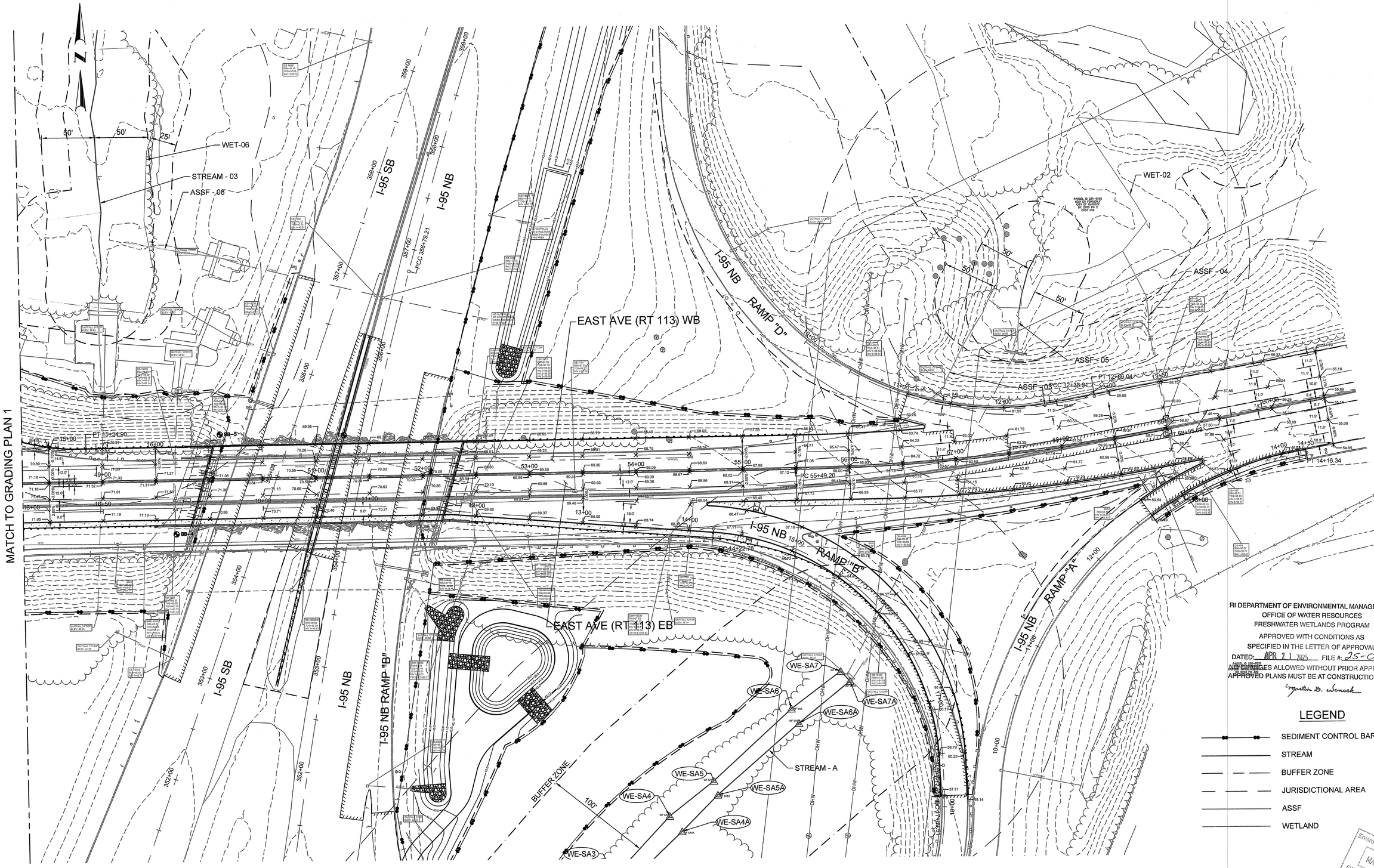
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GRADING PLAN 1

2604Y_V1_XXX_GRADING09

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	61	67



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: APR 21 2025 FILE #: 25-0090

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Jennifer D. Wenck

LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND

Environmental Management
MAR - 5 2025
Office of Water Resources

LYNCH | WSP | RI DOT

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/21/25

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	61
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

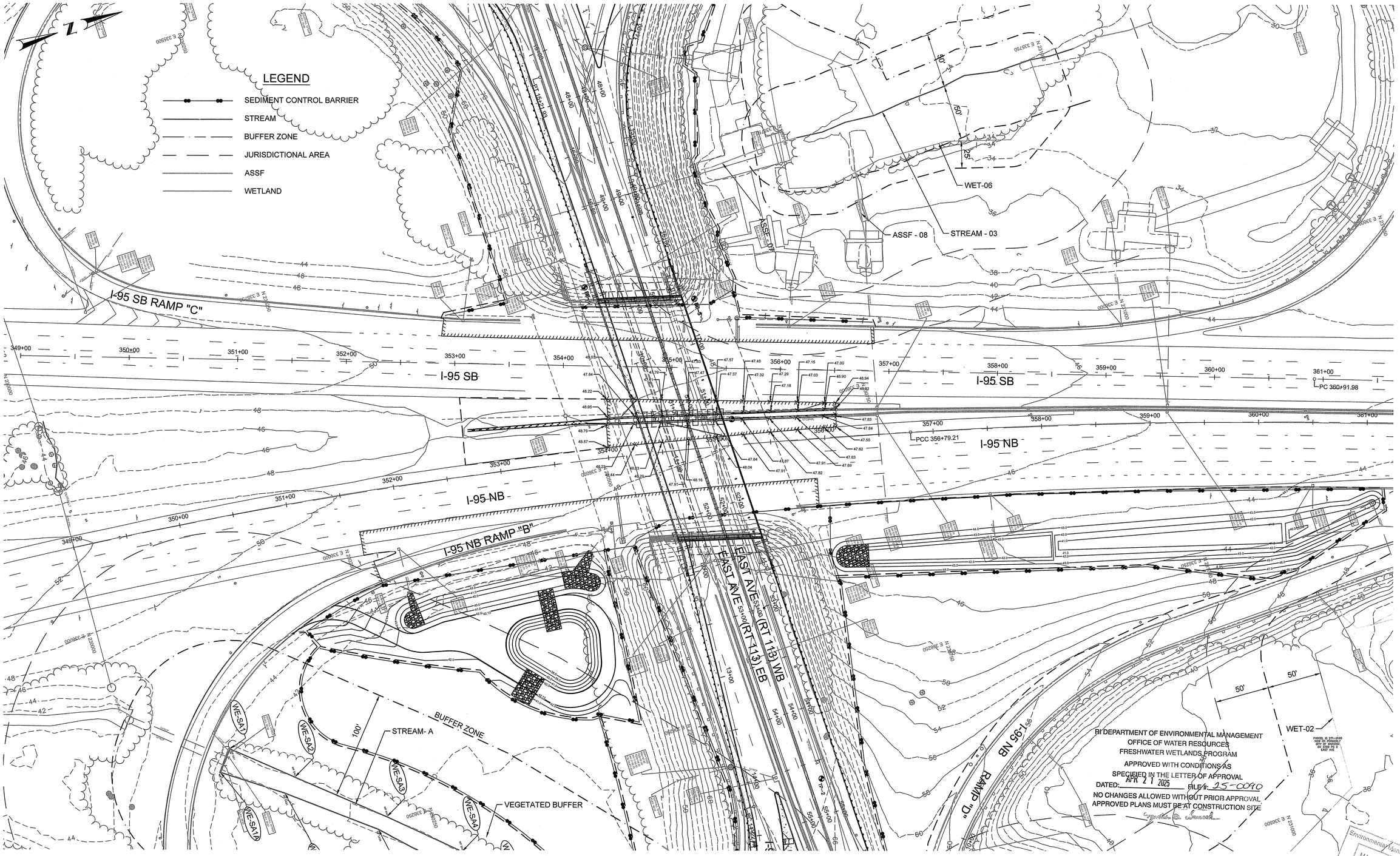
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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GRADING PLAN 2

2604Y_V1_XXX_GRADING10

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	62	67



LYNCH

wsp

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2025

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	62
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

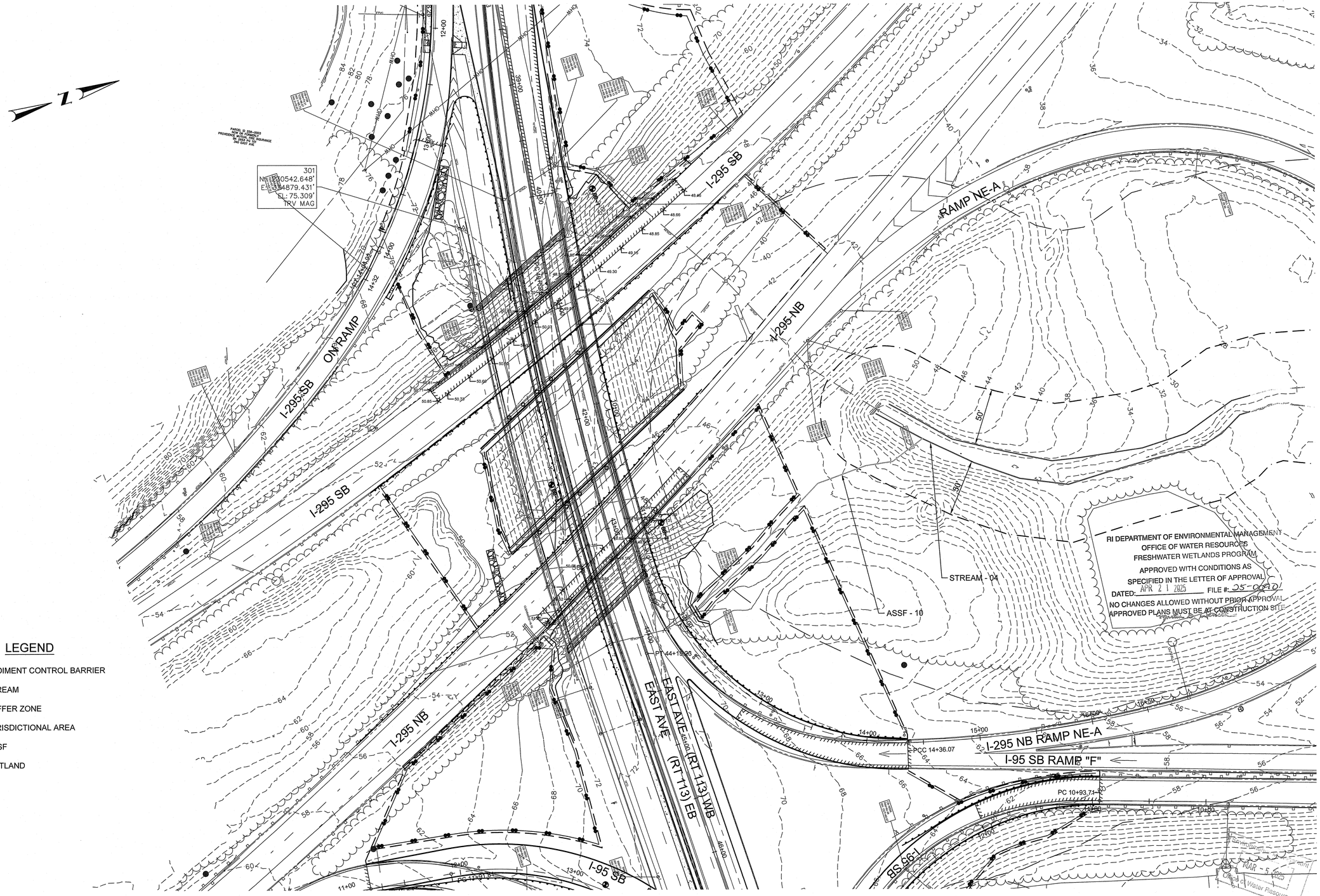
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GRADING PLAN 3

2604Y_V1_XXX_GRADING11

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2025	63	67



LEGEND

- SEDIMENT CONTROL BARRIER
- STREAM
- BUFFER ZONE
- JURISDICTIONAL AREA
- ASSF
- WETLAND

LYNCH

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RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY:	JM
CHECKED BY:	SDG
DATE:	02/20/2025
SHEET:	63
OF:	67

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

GRADING PLAN 4

2604Y_V1_XXX_GRADING12

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2024	64	67

PLANTING NOTES:

1. REVIEW AND BECOME FULLY ACQUAINTED WITH THESE NOTES, CONSTRUCTION DETAILS, AND THE PLANTING PLAN.
2. LOCATE AND VERIFY ALL EXISTING AND NEW UTILITY LINE LOCATIONS PRIOR TO PLANTING, REPORT ANY CONFLICT TO THE LANDSCAPE ARCHITECT.
3. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN SOCIETY OF NURSERY MEN, INC. LATEST EDITION.
4. THE LOCATION OF ALL THE PROPOSED PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. NO PLANTS SHALL BE PLANTED BEFORE THE ACCEPTANCE OF ROUGH GRADING.
5. THE ROOT FLARE OF ALL TREES AND LARGE SHRUBS SHALL BE EXPOSED, SET 1"-2" ABOVE FINISH GRADE.
6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES WILL BE PLANTS WITH EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER COLOR, LEAF COLOR, FRUIT COLOR, AND TIME OF BLOOM, AS APPROVED BY THE LANDSCAPE ARCHITECT.
7. EXISTING LOAM: STOCKPILING OF EXISTING LOAM IS SPECIFIED ELSEWHERE. REMOVE CLAY LUMPS, BRUSH, LITTER, ROOTS, STONES 1/2" AND LARGER, AND ANY DEBRIS AND FOREIGN MATERIALS.
8. ADDITIONAL LOAM: IF STOCKPILED LOAM QUANTITY IS INSUFFICIENT, PROVIDE LOAM, THAT IS A "FINE SANDY LOAM", OR A "SANDY LOAM" DETERMINED BY MECHANICAL ANALYSIS AND BASED ON THE "U.S.D.A. CLASSIFICATION SYSTEM." IT SHALL BE OF UNIFORM COMPOSITION, WITHOUT ADMIXTURE OF SUBSOIL. LOAM SHALL HAVE A PH 5.8 TO PH 7.0 AND SHALL CONTAIN NOT LESS THAN 4% NOR MORE THAN 10% ORGANIC MATTER AS DETERMINED BY THE LOSS OF IGNITION OF OVEN-DRIED SAMPLES. PROVIDE LOAM THAT IS FERTILE, FRIABLE, NATURAL LOAM, FREE FROM SUBSOIL, CLAY LUMPS, BRUSH, LITTER, ROOTS, STONES 1/2" AND LARGER, AND ANY DEBRIS AND FOREIGN MATERIAL.
9. BARK MULCH: ALL PLANT MATERIAL SHALL BE MULCHED AFTER PLANTING. PROVIDE PARTIALLY DECOMPOSED MINIMUM SIX MONTH AGED FINELY SHREDDED BARK MULCH OF A DARK BROWN COLOR AND FREE OF WEEDS, EXCESSIVE FINE PARTICLES, STRINGY MATERIAL, AND CHUNKS OF WOOD THICKER THAN ½". BARK MULCH SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT
10. ALL PLANTS SHALL BE PLUM VERTICALLY AFTER SETTLING.
11. LESS OTHERWISE INDICATED, DICTATED BY CONDITIONS AT THE SITE, AND DIRECTED BY LANDSCAPE ARCHITECT, PLANTING BACKFILL SHALL CONSIST OF UNAMENDED SOIL EXCAVATED FROM THE PLANTING PIT. BACKFILL IN 6" LIFTS AND CONSOLIDATE EACH LAYER WITH WATER TO ELIMINATE VOIDS AND AIR POCKETS BEFORE PLACING SUBSEQUENT LAYERS. CONTINUE UNTIL BACKFILL HAS REACHED FINISHED GRADE. WATER THOROUGHLY WHEN EXCAVATION IS BACKFILLED AND CONTINUE WATERING UNTIL SATURATED.
12. IF EXISTING UNAMENDED TOP SOIL IS POOR AND NOT ACCEPTED, PROVIDE PLANTING SOIL MIXTURE CONSISTING OF 7 PARTS LOAM AND 1 PART COMPOST. MIX QUANTITY OF FERTILIZER AND SOIL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS AND APPROVED BY THE LANDSCAPE ARCHITECT.
13. WATERING: FLOOD ALL PLANTS WITH WATER TWICE WITHIN THE FIRST 24 HOURS AFTER PLANTING.
14. LOAMING: LOOSEN SUBGRADE AND EXISTING LOAM AREAS BY DISCING OR ROTOTILLING TO MINIMUM DEPTH OF 6". REMOVE STONES GREATER THAN 1" AND ALL RUBBISH AND DEBRIS. PLACE LOAM IN TWO EQUAL LIFTS MIXING FIRST APPLICATION INTO LOOSENED SUBGRADE THEN PLACE SECOND LIFT TO BRING LOAM AFTER SETTLING AND COMPACTING TO THE LINES AND GRADES SHOWN ON THE PLANS. DO NOT HANDLE LOAM OR SUBSOIL IF IT IS WET OR FROZEN.
15. AFTER LOAM HAS BEEN SPREAD, IT SHALL BE CAREFULLY PREPARED BY SCARIFYING AND HAND RAKING. ALL LARGE STIFF CLODS, LUMPS, BRUSH, ROOTS, STUMPS, LITTER AND FOREIGN MATTER, AND STONES OVER 1/2" IN DIAMETER SHALL BE REMOVED FROM THE LOAM. LOAM SHALL ALSO BE FREE OF SMALLER STONES IN EXCESSIVE QUANTITIES AS DETERMINED BY THE LANDSCAPE ARCHITECT.
16. FINE GRADING: SET SUFFICIENT GRADE STAKES FOR CHECKING THE FINISHED GRADES. STAKES MUST BE SET AT THE BOTTOM AND TOP OF SLOPES. GRADES SHALL BE ESTABLISHED THAT ARE ACCURATE TO +/- 1/10TH OF A FOOT. CONNECT CONTOURS AND SPOT ELEVATIONS WITH AN EVEN SLOPE. ALL GRADING WILL INSURE DRAINAGE AWAY FROM STRUCTURES.
17. FINE GRADE LAWN AREAS TO SMOOTH, FREE DRAINING, EVEN SURFACES WITH FINE TEXTURE. ROLL, RAKE AND DRAW LAWN AREAS TO FLATTEN RIDGES AND FILL DEPRESSIONS, EXCEPT AT SELECT AREAS SHOW ON THE DRAWINGS. CONTROL MOISTURE CONTENT TO MAINTAIN OPTIMUM CONDITIONS, BUT DO NOT CREATE A MUDDY CONDITION. APPLY TACKIFIED MULCH TO ALL SEEDED AREAS.
18. ROLLING - TYPICAL: ROLL THE ENTIRE AREA WITH A HAND ROLLER WEIGHTING NOT MORE THAN 100 POUNDS. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM AND THE SURFACE SHALL BE RE-GRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE OR TO THE SHAPES AND CONFIGURATIONS AS SHOWN ON THE DETAILS.
19. THE SILT FENCE SHALL BE LIMIT OF SEEDING UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL AREAS DISTURBED OUTSIDE THE LIMIT OF WORK SHALL BE SEEDED AS INDICATED ON THE DRAWINGS.
20. IN CASE OF DISCREPANCIES BETWEEN THE QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THE QUANTITIES SHOWN ON THE PLANTING PLAN, THE QUANTITIES ON THE PLANTING PLAN SHALL BE PROVIDED BY THE CONTRACTOR.

Plant Schedule

SMALL DECIDUOUS TREES

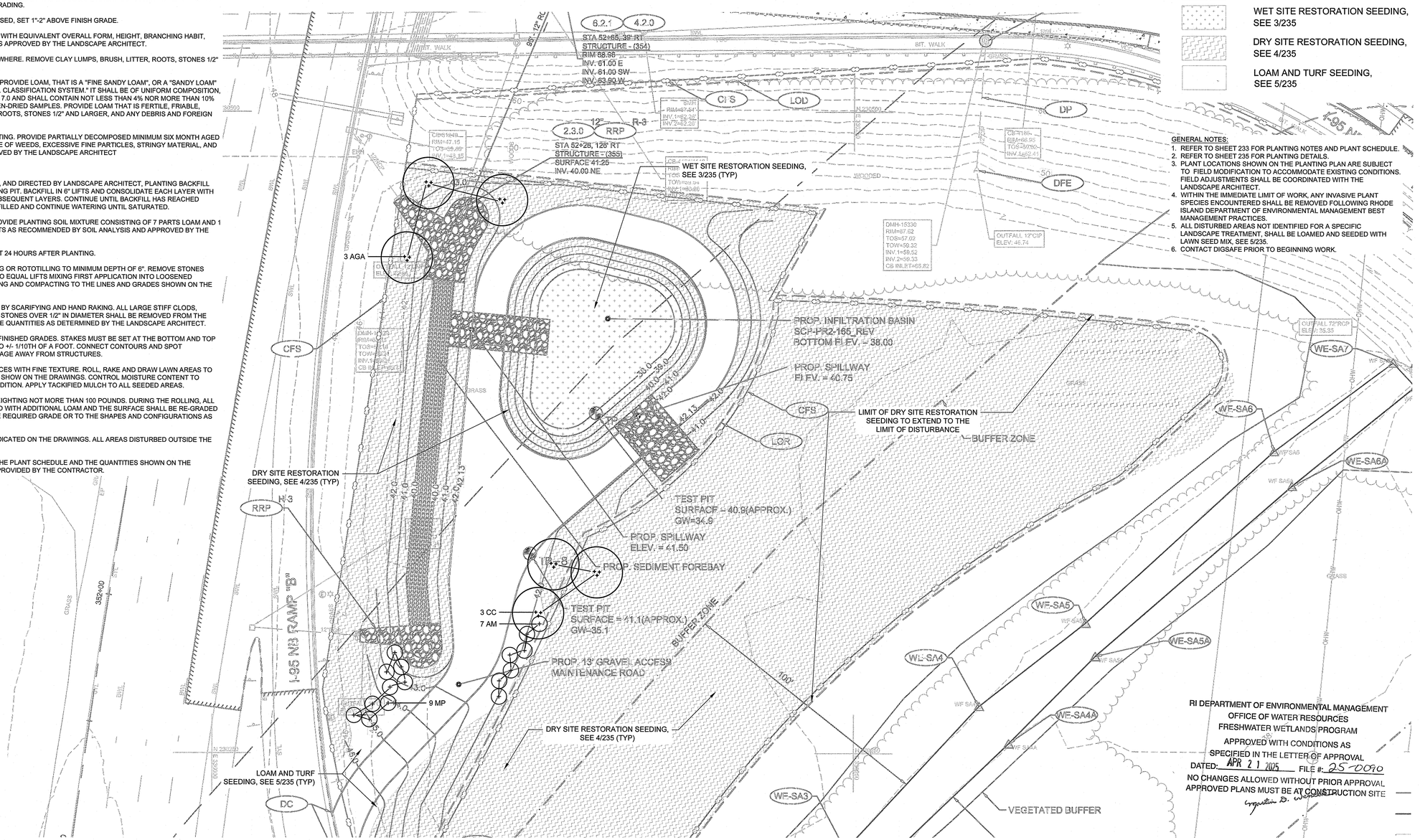
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3	CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	8'-10' HT	20' HT x 15' SPD	B&B, MULTI-STEMMED
6						

SHRUBS

7	AM	ARONIA MELANOCARPA	BLACK CHOKEBERRY	#7	8' HT x 8' SPD	CONTAINER
9	MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	#7	7' HT x 7' SPD	CONTAINER
16						

Legend

- DECIDUOUS MULTI-STEMMED TREE PLANTING, SEE 1/235
- SHRUB PLANTING, SEE 2/235
- WET SITE RESTORATION SEEDING, SEE 3/235
- DRY SITE RESTORATION SEEDING, SEE 4/235
- LOAM AND TURF SEEDING, SEE 5/235



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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL 4/9/25

DESIGNED BY: JRH, SW
CHECKED BY: JRH, DEJ
DATE: 02/20/2025
SHEET: 64
OF: 67

SCALE: 1" = 20'-0"

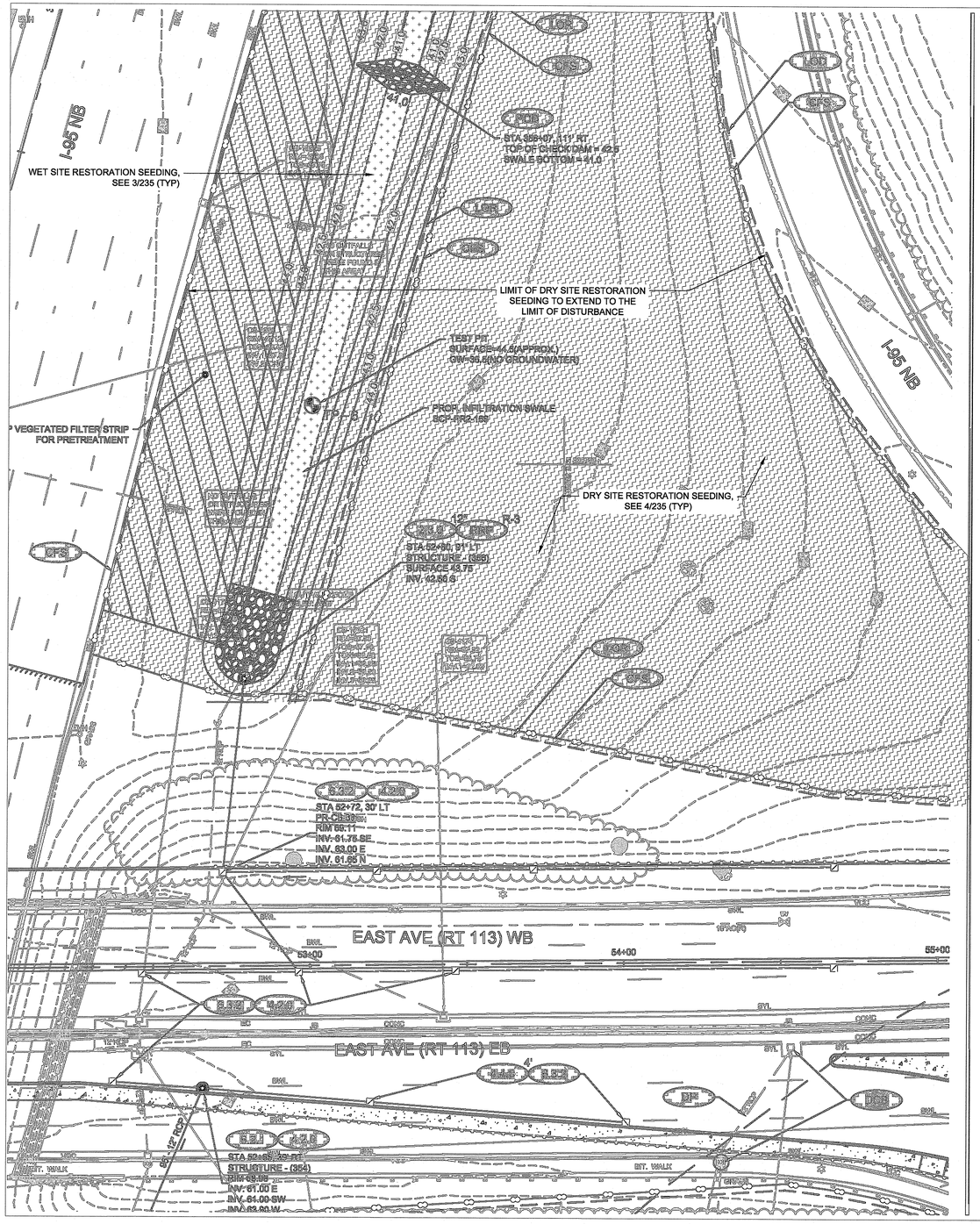
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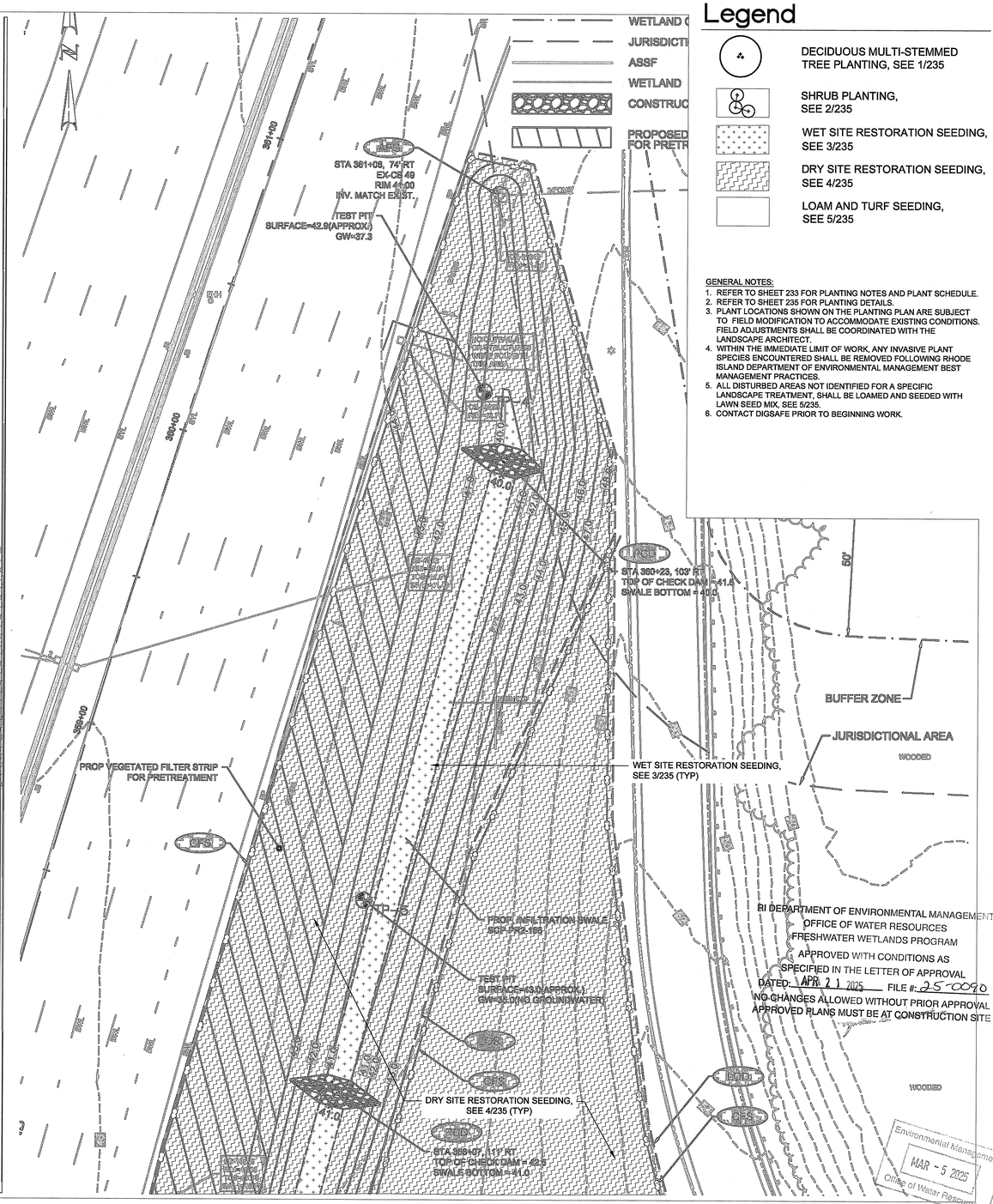
BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

LANDSCAPE PLAN 1

LP_250214

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023-DB-055	2024	65	67





Legend

- DECIDUOUS MULTI-STEMMED TREE PLANTING, SEE 1/235
- SHRUB PLANTING, SEE 2/235
- WET SITE RESTORATION SEEDING, SEE 3/235
- DRY SITE RESTORATION SEEDING, SEE 4/235
- LOAM AND TURF SEEDING, SEE 5/235

GENERAL NOTES:

1. REFER TO SHEET 233 FOR PLANTING NOTES AND PLANT SCHEDULE.
2. REFER TO SHEET 235 FOR PLANTING DETAILS.
3. PLANT LOCATIONS SHOWN ON THE PLANTING PLAN ARE SUBJECT TO FIELD MODIFICATION TO ACCOMMODATE EXISTING CONDITIONS. FIELD ADJUSTMENTS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
4. WITHIN THE IMMEDIATE LIMIT OF WORK, ANY INVASIVE PLANT SPECIES ENCOUNTERED SHALL BE REMOVED FOLLOWING RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT BEST MANAGEMENT PRACTICES.
5. ALL DISTURBED AREAS NOT IDENTIFIED FOR A SPECIFIC LANDSCAPE TREATMENT, SHALL BE LOAMED AND SEEDED WITH LAWN SEED MIX, SEE 5/235.
6. CONTACT DIGSAFE PRIOR TO BEGINNING WORK.

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RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER STATE OF RHODE ISLAND 2/20/25

DESIGNED BY: JRH, SW
CHECKED BY: JRH, DEJ
DATE: 02/20/2025
SHEET: 65
OF: 67

SCALE: 1" = 20'-0"

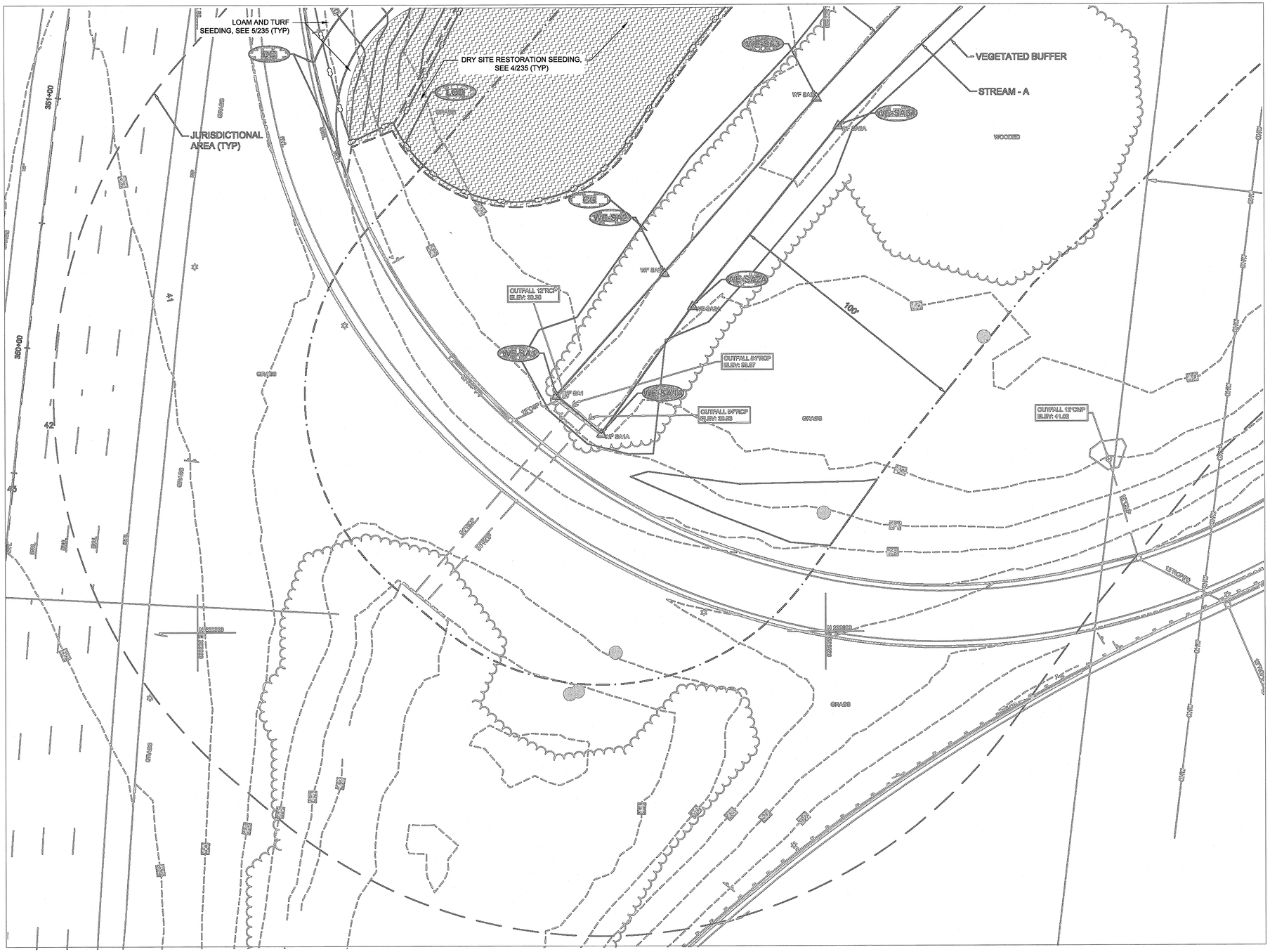
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3	1/30/25	SW/JRH			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK RHODE ISLAND

LANDSCAPE PLAN 2

LP_250214

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2024	66	67



Legend

- DECIDUOUS MULTI-STEMMED TREE PLANTING, SEE 1/235
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2. REFER TO SHEET 235 FOR PLANTING DETAILS.
3. PLANT LOCATIONS SHOWN ON THE PLANTING PLAN ARE SUBJECT TO FIELD MODIFICATION TO ACCOMMODATE EXISTING CONDITIONS. FIELD ADJUSTMENTS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
4. WITHIN THE IMMEDIATE LIMIT OF WORK, ANY INVASIVE PLANT SPECIES ENCOUNTERED SHALL BE REMOVED FOLLOWING RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT BEST MANAGEMENT PRACTICES.
5. ALL DISTURBED AREAS NOT IDENTIFIED FOR A SPECIFIC LANDSCAPE TREATMENT, SHALL BE LOAMED AND SEEDED WITH LAWN SEED MIX, SEE 5/235.
6. CONTACT DIGSAFE PRIOR TO BEGINNING WORK.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 2 1 2025 FILE #: 25-0090
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
MAR - 5 2025
Office

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LYNCH | WSP | RI DOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI No. 12879 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE

DESIGNED BY:	JRH, SW
CHECKED BY:	JRH, DEJ
DATE:	02/20/2025
SHEET:	66
OF:	67

SCALE: 1" = 20'-0"

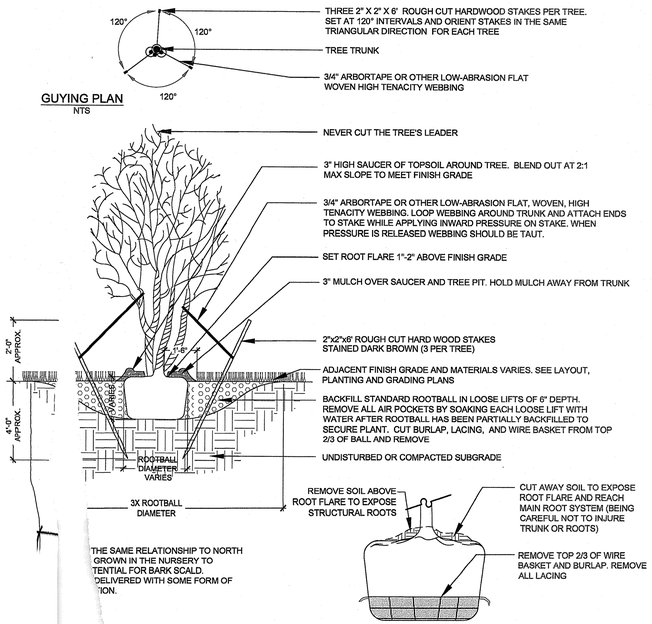
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	11/11/24	SW/JRH	4	2/14/25	SW/JRH
2	1/13/25	SW/JRH			
3	1/30/25	SW/JRH			

BRIDGE GROUP 97 - WARWICK CORRIDOR
PHASE 1B PERMIT PLANS
NOT FOR CONSTRUCTION
WARWICK — RHODE ISLAND

LANDSCAPE PLAN 3

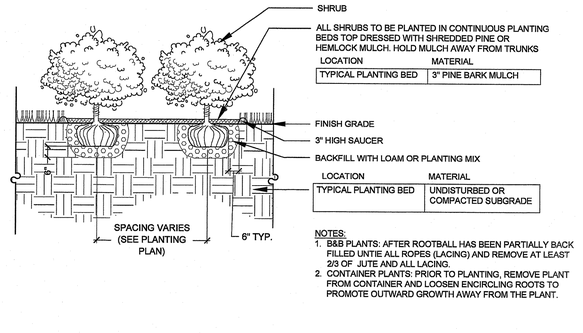
LP_250214

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2023–DB–055	2024	67	67



Multi-Stemmed Tree Planting

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LOCATION	MATERIAL
TYPICAL PLANTING BED	3" PINE BARK MULCH

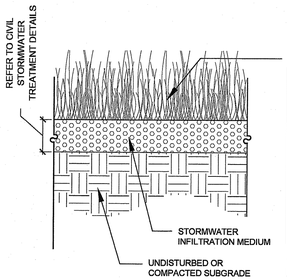
LOCATION	MATERIAL
TYPICAL PLANTING BED	UNDISTURBED OR COMPACTED SUBGRADE

NOTES:
1. B&B PLANTS: AFTER ROOTBALL HAS BEEN PARTIALLY BACK FILLED UNTIE ALL ROPES (LACING) AND REMOVE AT LEAST 2/3 OF JUTE AND ALL LACING.
2. CONTAINER PLANTS: PRIOR TO PLANTING, REMOVE PLANT FROM CONTAINER AND LOOSEN ENCIRCLING ROOTS TO PROMOTE OUTWARD GROWTH AWAY FROM THE PLANT.

Shrub Planting

Not to Scale

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Botanical Name	Common Name
Elymus riparius	Riverbank Wild Rye
Schizachyrium scoparium	Little Bluestem
Festuca rubra	Red Fescue
Andropogon gerardii	Big Bluestem
Panicum virgatum	Switch Grass
Vernonia noveboracensis	New York Ironweed
Agrostis perennans	Upland Bentgrass
Bidens frondosa	Beggar Ticks
Eupatorium maculatum (Eutrochium maculatum)	Spotted Joe Pye Weed
Eupatorium perfoliatum	Boneset
Aster novae-angliae (Symphyotrichum novae-angla)	New England Aster
Scirpus cyperinus	Wool Grass
Juncus effusus	Soft Rush

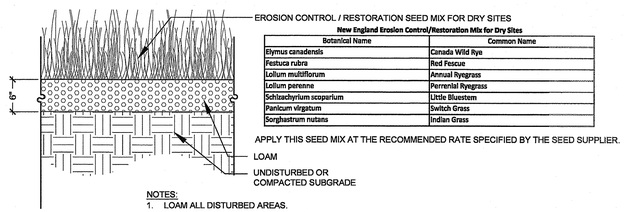
APPLY THIS SEED MIX AT THE RECOMMENDED RATE SPECIFIED BY THE SEED SUPPLIER.

NOTES:
1. PREPARE THE AREAS TO BE SEEDED.
2. USE SPECIFIED SEED MIX (OR APPROVED EQUAL) FROM NEW ENGLAND WETLAND PLANTS, 820 WEST STREET, AMHERST, MA 01002, 413-548-8000. NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES, FOLLOWING THE MANUFACTURER'S INSTRUCTIONS FOR SEEDING.
4. REFER TO CIVIL DRAINAGE AND EROSION CONTROL NOTES.

Wet Site Restoration Seeding

Not to Scale

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New England Erosion Control/Restoration Mix for Dry Sites

Botanical Name	Common Name
Elymus canadensis	Canada Wild Rye
Festuca rubra	Red Fescue
Lolium multiflorum	Annual Ryegrass
Lolium perenne	Perrenial Ryegrass
Schizachyrium scoparium	Little Bluestem
Panicum virgatum	Switch Grass
Sorghastrum nutans	Indian Grass

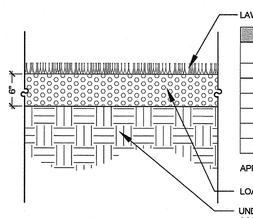
APPLY THIS SEED MIX AT THE RECOMMENDED RATE SPECIFIED BY THE SEED SUPPLIER.

NOTES:
1. LOAM ALL DISTURBED AREAS.
2. PREPARE THE AREAS TO BE SEEDED.
3. USE SPECIFIED SEED MIX (OR APPROVED EQUAL) FROM NEW ENGLAND WETLAND PLANTS, 820 WEST STREET, AMHERST, MA 01002, 413-548-8000. NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES, FOLLOWING THE MANUFACTURER'S INSTRUCTIONS FOR SEEDING.
4. REFER TO CIVIL DRAINAGE AND EROSION CONTROL NOTES.

Loam and Dry Site Restoration Seeding

Not to Scale

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Seed Mix for Lawns	
Percent by Weight	Common Name
45%	Firebird 2 or Rebel IV or Firecracker SL fescue
20%	Grand slam GLD or Confetti II perennial ryegrass
15%	Radar or Compass chewings fescue
10%	Sword or Gladiator hard fescue
5%	Side Oats Grama
5%	White Dutch clover

APPLY THIS SEED MIX AT THE RECOMMENDED RATE SPECIFIED BY THE SEED SUPPLIER.

NOTES:
1. LOAM ALL DISTURBED AREAS.
2. PRIOR TO SEEDING THE LAWN SEED MIX PROPERLY PREPARE THE SEED BED.
4. REFER TO CIVIL DRAINAGE AND EROSION CONTROL NOTES.

Loam and Turf Seeding

Not to Scale

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Jacqueline D. Wentzell

Environmental Management
MAR - 5 2025

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RICHARD L. PETTINELLI
No. 12879
REGISTERED PROFESSIONAL ENGINEER
CIVIL
12/31/25

DESIGNED BY: JRH, SW
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WARWICK RHODE ISLAND

LANDSCAPE DETAILS

LP_250214