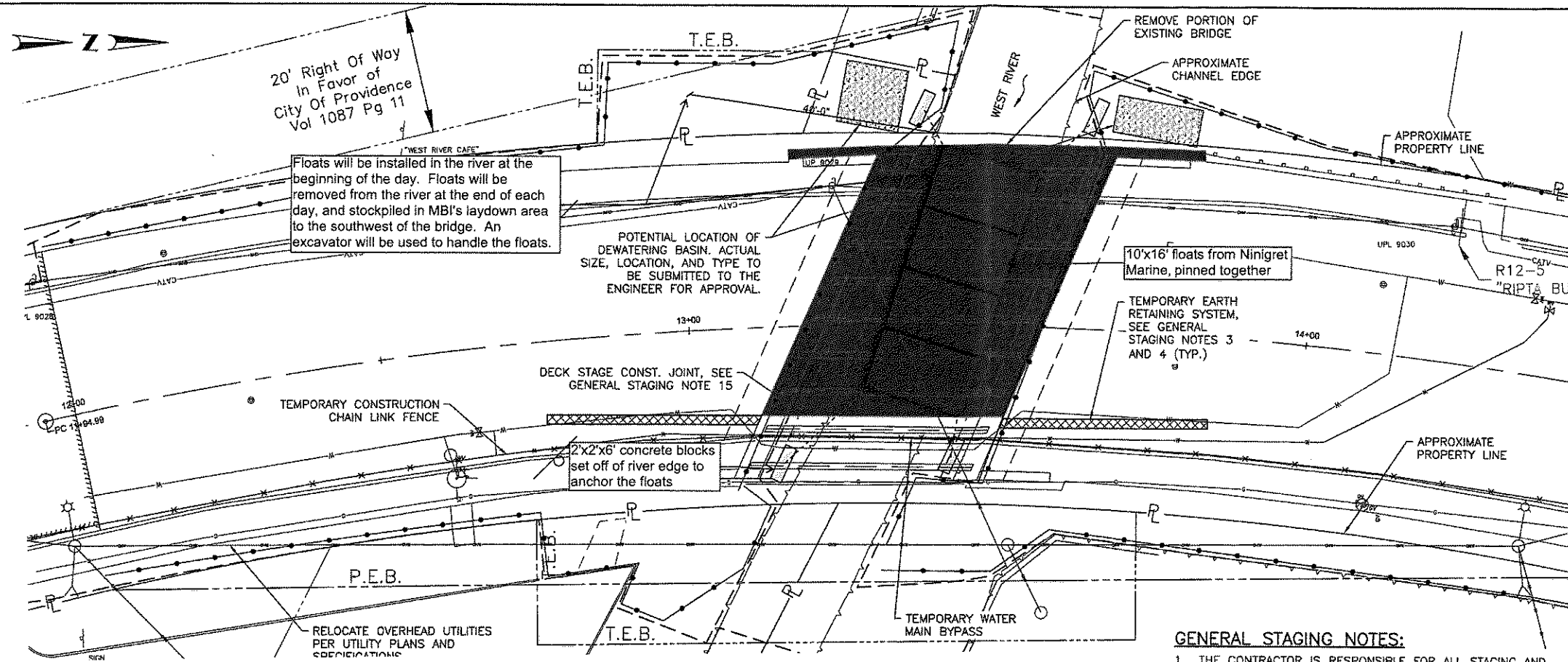


SUGGESTED SEQUENCE OF CONSTRUCTION:

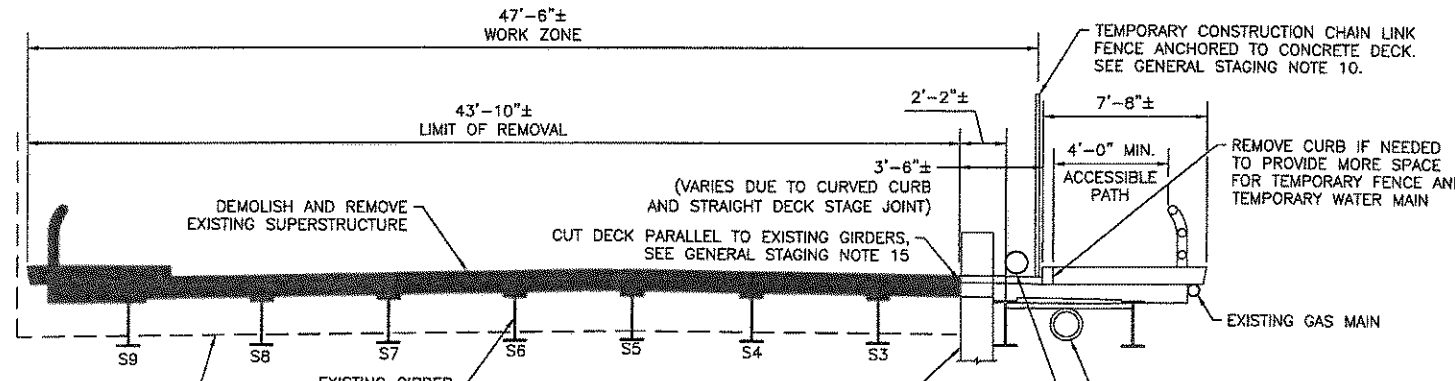
1. INSTALL SEDIMENTATION CONTROL SYSTEMS.
2. RELOCATE OVERHEAD LINES (SEE UTILITY PLAN FOR MORE INFORMATION).
3. INSTALL PROTECTIVE FENCING ALONG EAST SIDEWALK.
4. INSTALL TEMPORARY WATER MAIN BYPASS.
5. COMPLETE MICROPILE VERIFICATION LOAD TESTS AT EACH ABUTMENT FROM ROAD LEVEL USING TEMPORARY SHOULDER CLOSURE ON WEST SIDE.
6. INSTALL STAGE 1 MICROPILES FROM ROAD LEVEL USING SHORT TERM NIGHT LANE CLOSURES.
7. ESTABLISH STAGE 1 TRAFFIC CONTROL FOR DETOUR.
8. CLEAR AND GRUB AS NECESSARY.
9. INSTALL PROTECTIVE SHIELDING WITHIN STAGE 1 LIMITS, REMOVE SUPERSTRUCTURE (TEMPORARY BARRIERS, BRIDGE RAILINGS, SIDEWALK, DECK, GIRDERS, AND BEARINGS).
10. REMOVE APPROACH SLAB IF PRESENT.
11. INSTALL TEMPORARY EARTH RETAINING SYSTEMS.
12. PARTIALLY REMOVE AND DISPOSE OF ABUTMENTS AND WINGWALLS TO STAGE 1 LIMITS AND DEMOLITION LIMITS SHOWN IN PLANS. SEE GENERAL STAGING NOTE 11.
13. EXCAVATE TO BOTTOM OF PROPOSED ABUTMENTS AND CUT MICROPILES TO LENGTH.
14. CONSTRUCT STAGE 1 ABUTMENTS TO BRIDGE SEAT, RIPRAP, WINGWALLS, GUARDRAIL TRANSITION END POSTS, AND DRAINAGE.
15. SET GIRDERS S-9 THRU S-3; RELOCATE WATER MAIN AND GAS MAIN TO NEW BRIDGE AND REMOVE TEMPORARY WATER MAIN BYPASS, EXISTING WATER MAIN, AND EXISTING GAS MAIN.
16. CONSTRUCT STAGE 1 DECK, INTEGRAL BACKWALLS, APPROACH SLABS, SIDEWALK, AND BRIDGE RAILINGS; FORMATION OF SUBGRADE.
17. INSTALL SUBBASE AND BASE PAVEMENT LEVEL.



STAGE 1 - DEMOLITION PLAN
SCALE: 1" = 10'

GENERAL STAGING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL STAGING AND SEQUENCING THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE DETAILS SHOWN ON THIS AND SUBSEQUENT STAGING SHEETS CONTAIN A SCHEMATIC SEQUENCE FOR INFORMATIONAL USE ONLY. THE CONTRACTOR IS REQUIRED TO PROVIDE A DETAILED SEQUENCE PLAN WITH SUFFICIENT DETAIL SHOWING HOW THIS PROJECT WILL BE CONSTRUCTED SAFELY AND WITHIN THE TIME ALLOTMENT, AS DEFINED ELSEWHERE IN THIS CONTRACT.
2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE STABILITY, AND THEREBY SAFETY, DURING STEEL ERECTION.
3. THE TEMPORARY EARTH RETAINING SYSTEM LOCATIONS AND LIMITS ARE SHOWN AS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LIMITS BASED ON THE TEMPORARY TRAFFIC CONTROL REQUIREMENTS AND EXCAVATION LIMITS.
4. THE STAGE 1 TEMPORARY EARTH RETAINING SYSTEM WILL BE INSTALLED IN CLOSE PROXIMITY TO THE TEMPORARY WATER MAIN BYPASS. THE CONTRACTOR SHALL USE A TEMPORARY EARTH RETAINING SYSTEM THAT WILL LIMIT VIBRATION ON THE TEMPORARY WATER MAIN. A SOLDIER PILE AND LAGGING SYSTEM WITH THE UPPER 10' +/- PREDRILLED FOR THE PILES IS ONE OPTION TO LIMIT VIBRATIONS ON THE WATER MAIN.
5. FOR NOTES REGARDING TEMPORARY CONSTRUCTION CONDITIONS, SEE BRIDGE STANDARD NOTES (4 OF 4) SHEET.
6. FOR SIDEWALK CLOSURE SEQUENCE AND LANE CONFIGURATIONS, SEE TEMPORARY TRAFFIC CONTROL PLANS.
7. THE CONTRACTOR IS REQUIRED TO SELECT A TEMPORARY TRAFFIC BARRIER WITH LIMITED DEFLECTION AND LAYOUT THE TEMPORARY SUPPORT OF EXCAVATION IN A MANNER THAT PROVIDES SUFFICIENT DISTANCE BEHIND THE BARRIER TO DEFLECT UPON IMPACT. IF THIS DEFLECTION DISTANCE CAN NOT BE PROVIDED, THE CONTRACTOR MUST DESIGN THE TEMPORARY SUPPORT OF EXCAVATION SYSTEM TO RESIST VEHICLE IMPACT FORCES.
8. TEMPORARY TRAFFIC CONTROL BARRIERS ON WEST RIVER STREET SHALL MEET OR EXCEED MASH 2016 TL-3 MINIMUM TEST LEVEL AND SHALL BE ANCHORED. THE CONTRACTOR MAY CAST INSERTS INTO THE DECK OR DRILL HOLES IN THE DECK FOR THE ANCHORS. IF DRILLING HOLES, THE CONTRACTOR MUST LOCATE THE REBAR PRIOR TO DRILLING AND MUST FILL THE HOLES WITH A HIGH STRENGTH NON-SHRINK GROUT. THE HOLES SHALL BE COVERED WITH WATERPROOFING MEMBRANE AND PAVING.
9. PLACE SECOND LIFT OF PAVEMENT AT THE SAME TIME IT IS PLACED ON THE APPROACHES AND THE SURROUNDING AREA.
10. THE ANCHORAGE OF THE TEMPORARY CONSTRUCTION CHAIN LINK FENCE TO THE EXISTING BRIDGE SHALL BE DESIGNED BY THE CONTRACTOR. THE ANCHORAGE CAN BE A BASE PLATE WITH ANCHOR BOLTS OR THE POST MAY BE DRILLED AND GROUTED INTO THE EXISTING BRIDGE DECK. THE ANCHORAGE TYPE SHALL LEAVE ADEQUATE ROOM FOR THE TEMPORARY WATER MAIN BYPASS. THE ANCHORAGE SHALL BE DESIGNED TO SUPPORT THE POST DESIGN LOADS PER SECTION 13.8.2 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION. THE ANCHORAGE DESIGN CALCULATIONS AND DETAIL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
11. THE EXISTING ABUTMENTS ARE APPROXIMATELY SHOWN AS COFFERDAMS. DEMOLITION OF THE EXISTING ABUTMENTS TO THE FINAL LIMITS SHOWN IN THE PLANS SHALL NOT OCCUR UNTIL AFTER INSTALLATION OF THE NEW ABUTMENT SYSTEMS IF REMOVAL WILL AFFECT THE ABILITY OF THE EXISTING SUBSTRUCTURE TO ACT AS A COFFERDAM. DATED: APR 14 2024 FILE # 22-0472
12. THE CONTRACTOR SHALL PROVIDE ENGINEER APPROVAL PROPOSED LOCATION FOR BOTH DECK AND APPROACH DECK DEWATERING STOCKPILE BASIN FOR EXCAVATED SOILS FOR APPROVAL PRIOR TO EXCAVATION. DEWATERING OF THE EXCAVATION FOR THE SUBSTRUCTURE MAY BE REQUIRED AND SHALL BE PAID UNDER ITEM 203.0530 "DEWATERING", DIRECT DISCHARGE TO THE WEST RIVER SHALL NOT BE ALLOWED. ALL DEWATERING SHALL BE DISCHARGED INTO A DEWATERING BASIN STANDARD 9.7.0 OR APPROVED EQUAL. DEWATERING BASIN STANDARD 9.7.0 SHALL BE PAID UNDER ITEM 208.0100 "DEWATERING BASIN". SATURATED SOLIDS SHALL BE TEMPORARILY STOCKPILED AND ALLOWED TO DRY. DEWATERING STOCKPILE BASINS SHALL BE PAID UNDER ITEM 208.9902.
13. REFER TO DRAINAGE PLAN NO. 1 FOR POTENTIAL LOCATION OF DEWATERING BASIN AREA AND DEWATERING STOCKPILE AREA FOR EXCAVATED SOILS. CONTRACTOR SHALL SUBMIT HIS MEANS AND METHODS AND PROPOSED LOCATION(S) TO ENGINEER FOR APPROVAL.
14. ALL SOILS SHALL BE MANAGED IN ACCORDANCE WITH THE SPECIAL PROVISIONS: ITEM CODES 202.9966, 202.9987, 202.9988, 202.9989, AND 202.9990.
15. SAWCUT WASH WATER SHALL NOT BE DISCHARGED INTO THE WEST RIVER. CONTRACTOR SHALL SUBMIT HIS MEANS AND METHODS TO CONTROL SAWCUT WASH WATER TO ENGINEER FOR APPROVAL. 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. APR 26 2024



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
STAGE 1 - DEMOLITION SECTION
OF WEST RIVER ST. BRIDGE
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: May 1, 2024 FILE #: 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Antoin D. Wenczek

- LEGEND:**
- XXXXX TEMPORARY EARTH RETAINING SYSTEM
 - LIMITS OF DEMOLITION
 - TEMPORARY TRAFFIC BARRIER (SEE TRAFFIC PLANS FOR MORE INFORMATION)
 - X— TEMPORARY CONSTRUCTION FENCE
 - P— PROPERTY LINE
 - P.E.B. PERMANENT EASEMENT LINE
 - T.E.B. TEMPORARY EASEMENT LINE



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	SCALE: AS NOTED
CHECKED BY:	
DATE: 01-12-2023	
SHEET: 15	
OF: 24	

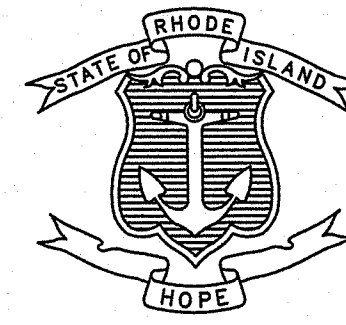
BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 2023-CB-004 VOLUME 1, RHODE ISLAND
CONSTRUCTION STAGE 1-DEMOLITION

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	1	24

INDEX

SHEET NO.	DESCRIPTION
1	COVER
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3 - 4	STANDARD NOTES NO. 1 - 2
5	JOB SPECIFIC NOTES AND LEGEND
6	KEY PLAN
7	TYPICAL SECTIONS
8	BRIDGE TYPICAL SECTIONS
9	GENERAL PLAN NO. 1
10	GENERAL PLAN & ELEVATION
11	PROFILE NO. 1
12	DRAINAGE PLAN NO. 1
13 - 14	DRAINAGE DETAILS NO. 1 - 2
15	CONSTRUCTION STAGE 1 - DEMOLITION
16	CONSTRUCTION STAGE 1 - ERECTION
17	CONSTRUCTION STAGE 2 - DEMOLITION
18	CONSTRUCTION STAGE 2 - ERECTION
19	GRADING PLAN NO. 1
20	TEMPORARY TRAFFIC CONTROL PLAN NO. 1
21 - 24	CROSS SECTIONS NO. 1 - 4

STATE OF RHODE ISLAND

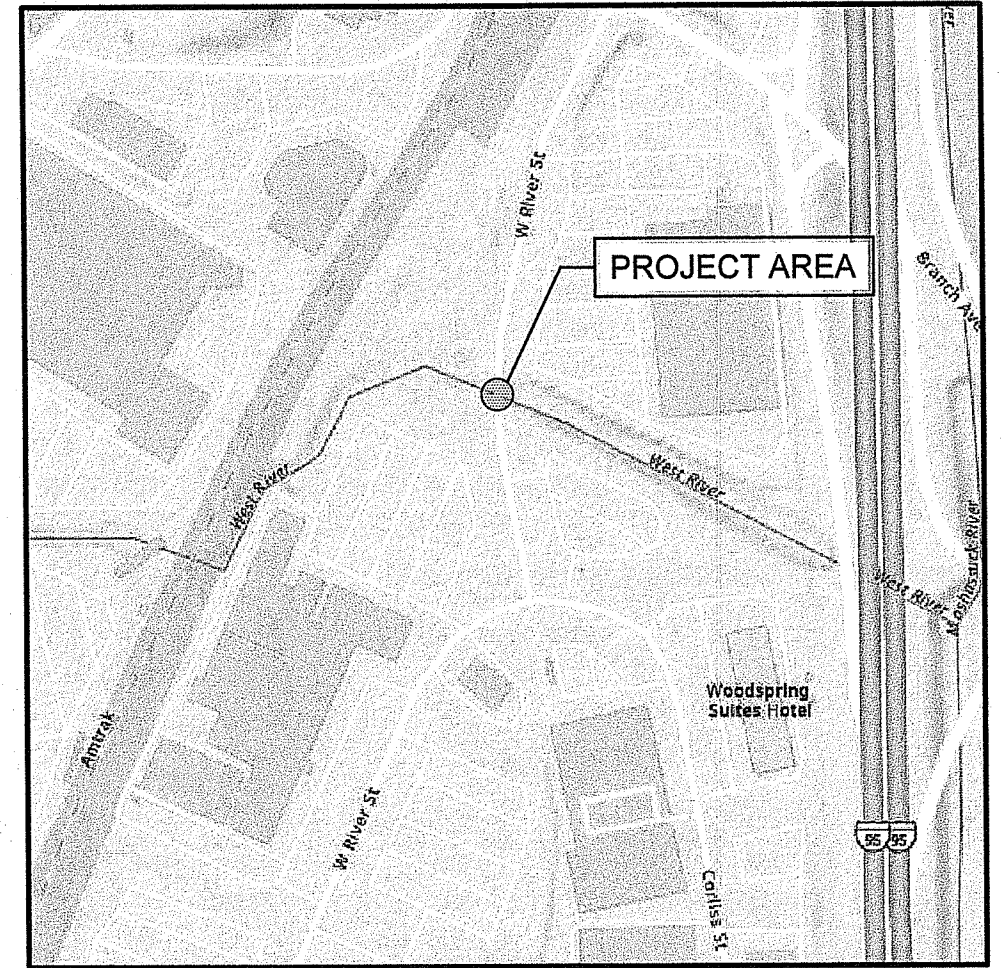


DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED
BRIDGE GROUP 13E
WEST RIVER STREET BRIDGE NO. 088351
BRIDGE REPLACEMENT
VOLUME 1

CITY OF PROVIDENCE
COUNTY OF PROVIDENCE

R.I. CONTRACT NO.: 2023-CB-004 F.A. PROJECT NO.:



LOCATION MAP

DESIGN DESIGNATION

	WEST RIVER ST
ADT (2020)	7,766 VPD
ADT (2045)	7,900 VPD
D	60.1% NB
K	11.3%
T	5.7%
DDHV	540 VPH
DHV	890 VPH
V	30 MPH

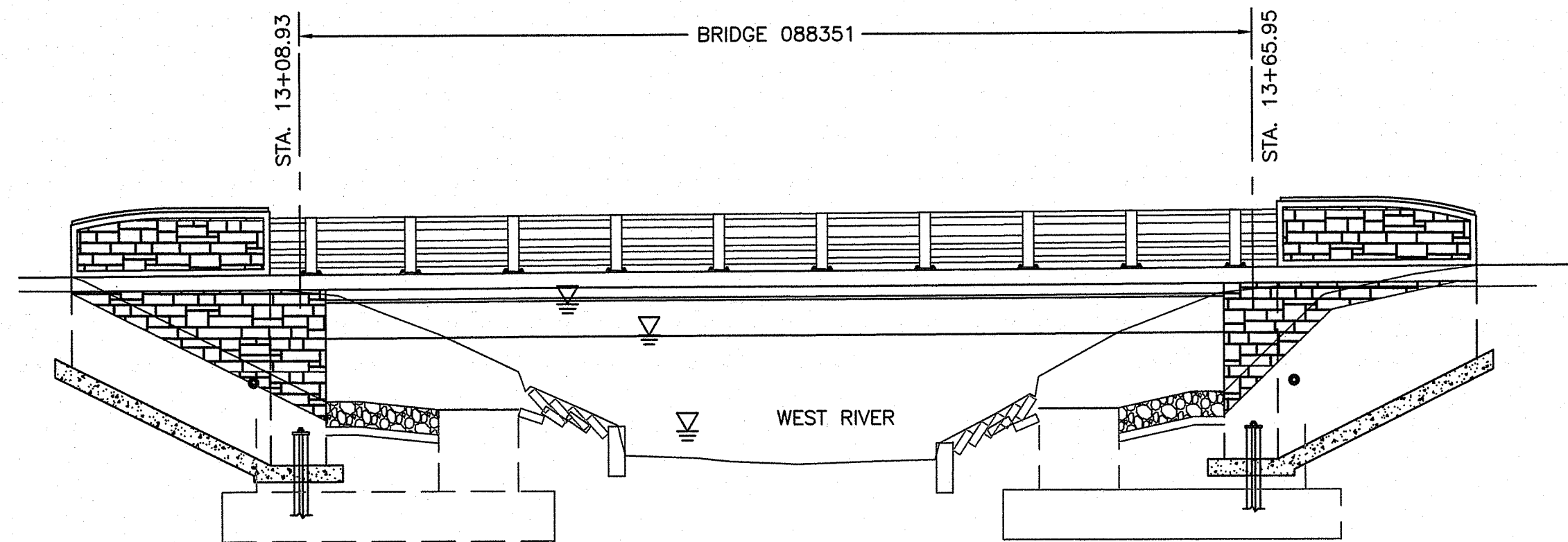
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 11 2022 FILE # 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek

PROPOSED PAVEMENT STRUCTURE

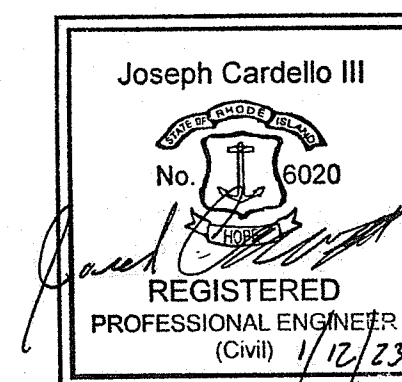
- (P-1) FULL DEPTH PAVEMENT
3" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS (TWO EQUAL LIFTS)
6" CLASS 19.0 HMA BASE COURSE (TWO EQUAL LIFTS)
12" (MIN.) GRAVEL BORROW SUBBASE
- (P-2) FULL DEPTH PAVEMENT - BRIDGE DECK
3" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS (TWO EQUAL LIFTS)
- (MMO) MICROMILL AND OVERLAY
MICROMILL 1.5"
1.5" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS

ENVIRONMENTAL PLAN SUBMISSION
SEPTEMBER 30, 2022
REVISED
JANUARY 12, 2023
FWW PERMIT # 22-0472, WQC # 22-216



BRIDGE ELEVATION
SCALE: 1" = 8'-0"
SCALE OF DRAWINGS
PLANS: AS NOTED
BASE OF LEVELS
VERTICAL DATUM: NAVD 88
R. I. HORIZONTAL DATUM:
STATE PLANE COORDINATES NAD 1983

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



R.I. DEPARTMENT OF TRANSPORTATION

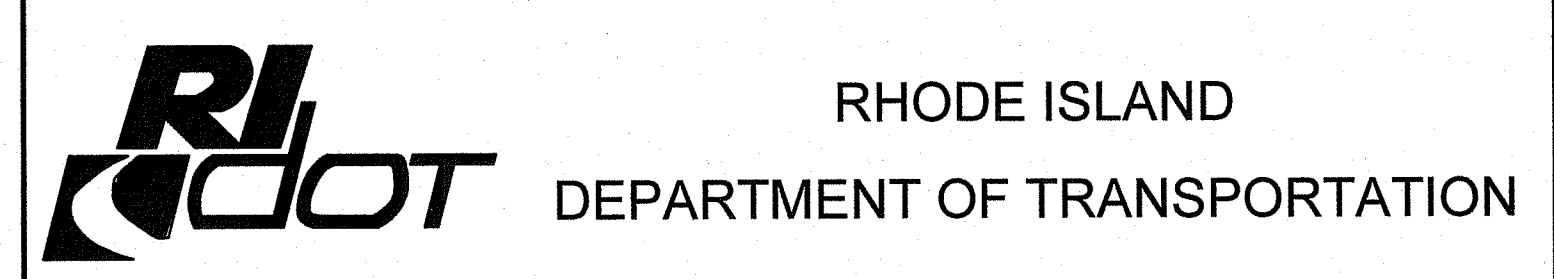
APPROVED	DATE
ADMINISTRATOR, PROJECT MANAGEMENT	DATE
APPROVED	DATE
CHIEF ENGINEER OF INFRASTRUCTURE	DATE
APPROVED	DATE
DIRECTOR	DATE

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018, 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, 2015 EDITION, WITH ALL REVISIONS.

Contract Number 2023-CB-004
Number of Sheet 01
Total Sheets 24

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
JAN 18 2023
Office of Water Resources
DIVISION ADMINISTRATOR DATE



DESIGNED BY:		BRIDGE GROUP 13E	
CHECKED BY:		WEST RIVER ST. BRIDGE NO. 088351	
DATE:	01-12-2023	PROVIDENCE	CONTRACT: 00 VOLUME: 1 RHODE ISLAND
SHEET:	1	COVER	
OF:	24		

JOB SPECIFIC LEGEND (HIGHWAY)

- (3.4.1D) BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET, WITH 4' DEEP SUMP
- (4DY-T) 4" TEMPORARY EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
- (4.4.0D) PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCHBASIN, WITH 4' DEEP SUMP
- (4.4.0M) PRECAST 4'-0" DIAMETER ROUND MANHOLE - STD 4.2.0 MODIFIED
- (6W-T) 6" TEMPORARY EPOXY RESIN PAVEMENT MARKINGS - WHITE
- (12W-T) 12" TEMPORARY EPOXY RESIN PAVEMENT MARKINGS - WHITE
- (20.3.0) PAVEMENT MARKINGS - CROSSWALKS AND STOP LINES
- (26.3.1) PLASTIC PIPE TYPE III BARRICADE
- (43.3.2) RAMP-LANDING FOR NARROW SIDEWALK
- (CC) CRASH CUSHION AND FOUNDATION
- (CFS) COMPOST FILTER SOCK 12" DIAMETER
- (CLSW) CLEAR AND SWEEP SIDEWALK
- (CW) CROSSWALK 12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
- (DT) DISPOSE TREE
- (DGG) REMOVE AND DISPOSE GAS GATE AND BOX
- (ECB) EROSION CONTROL BLANKET
- (GB) GRAVEL BORROW
- (GRBA) GUARDRAIL BRIDGE ATTACHMENT (SEE GUARDRAIL DETAILS)
- (GRHT) GUARDRAIL HEIGHT TRANSITION
- (GRT) GUARDRAIL TRAILING END ANCHORAGE MASH (TL-3)
- (GTEM) GUARDRAIL END TREATMENT - ENERGY ABSORBING MASH (TL-3)
- (ISCD) INLET SEDIMENT CONTROL DEVICE
- (MMO) MICRO MILL AND OVERLAY (1.5" DEPTH)
- (NUP) NEW UTILITY POLE
- (PMM) PINE BARK MULCH
- (PBM) PAVEMENT MILLINGS MULCH
- (PRR) PLACED RIPRAP
- (PT-1) PAVEMENT TRANSITION - EXISTING PAVEMENT TO FULL DEPTH PAVEMENT (SEE MISC. DETAIL SHEET NO. 1)
- (PT-2) PAVEMENT TRANSITION - FULL DEPTH TO BRIDGE APPROACH SLAB (SEE MISC. DETAIL SHEET NO. 1)
- (RRMF) REMOVE AND RESET METAL FENCE
- (SABM) SHOCK ABSORBING BARRIER MODULES
- (SC-1) FULL DEPTH SAWCUT OF BITUMINOUS CONCRETE AND CONCRETE BASE
- (SC-2) SAWCUT AND MATCH EXISTING
- (SFC) REMOVE AND STOCKPILE FRAME AND COVER
- (SFG) REMOVE AND STOCKPILE FRAME AND GRATE
- (SGAD) SPECIAL GRADED AGGREGATE FOR SHAPING AND TRIMMING DRIVEWAYS OR SHOULDERS
- (SGC) STOCKPILE GRANITE CURB
- (TABB) TEMPORARY ANCHORED BRIDGE BARRIER (TL-3 MASH)
- (TBTC) TEMPORARY BARRIER FOR TRAFFIC CONTROL (TL-3 MASH)
- (TCLF) TEMPORARY CHAIN LINK FENCE
- (TCLG) TEMPORARY CHAIN LINK FENCE - GATE (12')

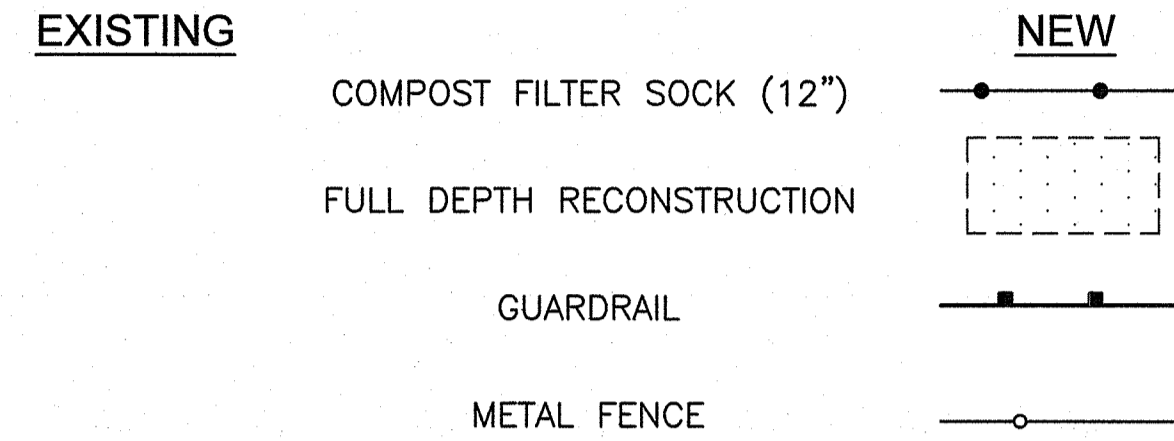
CITY OF PROVIDENCE STANDARD LEGEND

- (6.1.1P) PROVIDENCE STANDARD SIDEWALK MANHOLE FRAME AND COVER
- (6.2.2P) PROVIDENCE STANDARD HEAVY DUTY MANHOLE FRAME AND COVER - 32"
- (6.3.0P) PROVIDENCE STANDARD STANDARD CAPACITY GRATE WITH RIDOT STD 6.3.0 FRAME
- (6.3.6P) PROVIDENCE STANDARD STANDARD FRAME AND GRATE
- (7.3.0P) PROVIDENCE STANDARD GRANITE CURB (7" WIDE)
- (7.3.4P) PROVIDENCE STANDARD GRANITE 2'-0" RADIUS CURB
- (7.3.5P) PROVIDENCE STANDARD GRANITE INLET STONE
- (7.3.8P) PROVIDENCE STANDARD GRANITE APRON STONE - 30" OPENING
- (7.6.0P) PROVIDENCE STANDARD CURB SETTING DETAIL
- (43.1.0P) PROVIDENCE STANDARD CEMENT CONCRETE SIDEWALK
- (43.5.0P) PROVIDENCE STANDARD CEMENT CONCRETE DRIVEWAYS
- (60.1.0P) PROVIDENCE STANDARD TEMPORARY ROADWAY RESTORATION
- (60.4.0P) PROVIDENCE STANDARD INLET / APRON STONE REVEAL

PROPOSED PAVEMENT

- (P-1) FULL DEPTH PAVEMENT
3" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS (TWO EQUAL LIFTS)
6" CLASS 19.0 HMA BASE COURSE (TWO EQUAL LIFTS)
12" (MIN.) GRAVEL BORROW SUBBASE
- (P-2) FULL DEPTH PAVEMENT - BRIDGE DECK
3" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS (TWO EQUAL LIFTS)
- (MMO) MICROMILL AND OVERLAY
MICROMILL 1.5"
1.5" MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS

JOB SPECIFIC PLAN SYMBOLS



JOB SPECIFIC GENERAL NOTES

- ALL ITEMS NOT REFERENCED FOR MODIFICATION ON THE PLANS OR IN THE CONTRACT DOCUMENTS WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE MATERIAL BELOW THE EXISTING SIDEWALKS AND PLACE NEW GRAVEL BORROW TO THE DEPTHS SHOWN ON R.I. STD. 43.1.0.
- ALL EQUIPMENT AND MATERIALS SHALL BE PLACED AN ADEQUATE DISTANCE (AS DETERMINED BY THE ENGINEER) FROM THE ROADWAY TO AVOID INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC.
- THE CONTRACTOR 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.
- THE FINAL LOCATION OF ALL CURB RAMPS SHALL BE COORDINATED IN THE FIELD WITH PROPOSED AND/OR EXISTING LOCATIONS OF DRAINAGE STRUCTURES, UTILITY POLES, LIGHT POLES, AND OTHER APPURTENANCES TO ENSURE A MINIMUM 36" CLEAR PEDESTRIAN PATH.
- THE CONTRACTOR 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 CONTRACTOR'S NEGLIGENCE WILL BE FIXED AT HIS OWN EXPENSE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTING FRESHLY PLACED CONCRETE SIDEWALKS AND DRIVEWAYS FROM DAMAGE UNTIL THE CONCRETE HAS CURED SUFFICIENTLY. COSTS TO REPLACE DAMAGE TO FRESHLY PLACED CONCRETE WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE COST OF ANY CURB CUTTING REQUIRED TO INSTALL NEW CURB WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE NEW CURB.
- ANY BRICK SIDEWALK OR ROADWAY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR THE ASSOCIATED WORK ITEM CAUSING THE DAMAGE. ANY BRICK SIDEWALKS DAMAGED, SHALL MATCH THE SAME BRICK THAT EXIST INCLUDING CONCRETE BASE, UNLESS OTHERWISE INDICATED ON THE PLANS.
- DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE.
- THE EXISTING CURB INCLUSIVE OF ALL APRON/INLET STONES TO BE REMOVED AND RESET UNDER ITEM CODE 906.0700 "REMOVE, HANDLE, HAUL, TRIM AND RESET CURB - EDGING, STRAIGHT, CIRCULAR, ALL TYPES" (RHH) MAY BE LARGE AND IRREGULAR IN SHAPE. THE ASSOCIATED BID PRICE SHALL INCLUDE THE COMPLETE REMOVAL AND RESETTING OF THE CURB REGARDLESS OF THE SIZE AND SHAPE, INCLUDING ANY CURB CUTTING REQUIRED.
- THE CONTRACTOR SHALL NOTIFY IN WRITING ALL PROPERTY OWNERS ABUTTING THE SIDEWALK WORK TWO NON-HOLIDAY WEEKDAYS PRIOR TO COMMENCING WORK.
- THE TRANSITION STONE CUTTING AND RAMP CURB ARE INCLUDED IN THE UNIT PRICE OF THE CURB.
- 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.
- 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 LOAM AND SEED.
- RIDOT STANDARD DETAIL 47.1.0 SHALL BE USED TO MATCH EXISTING PAVEMENT AT STA 12+00 AND STA 16+20.

JOB SPECIFIC UTILITY NOTES

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER, SANITARY, CABLE TELEVISION, ETC.) ARE SHOWN. CONTRACTOR IS TO ASSUME THAT OTHER SERVICES ARE PRESENT TO ALL BUILDINGS. LOCATIONS OF THE SERVICES WILL BE CHECKED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANIES.
- 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 ENGINEER.
- 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. THERE WILL BE NO SEPARATE PAY ITEM FOR THIS WORK, IT SHALL BE CONSIDERED INCIDENTAL TO PAVING OPERATIONS.
- ONLY NON-MECHANICAL MEANS OF EXCAVATION SHALL BE USED IN AREAS ADJACENT TO UNDERGROUND UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 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 CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

JOB SPECIFIC EROSION CONTROL NOTES

- INLET SEDIMENT CONTROL DEVICES (ISCD) SHALL BE INSTALLED, IN LIEU OF R.I. STD. 9.8.0 BALED HAY INLET PROTECTION, AT ALL CATCH BASINS WHENEVER SUBBASE IS EXPOSED OR AS DIRECTED BY THE ENGINEER, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
- 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 RESIDENT ENGINEER.
- CONCRETE WASHOUT DISCHARGED INTO DRAINAGE SYSTEMS IS PROHIBITED. THE CONTRACTOR MUST PROVIDE A CONCRETE WASHOUT AREA.

GUARDRAIL GENERAL NOTES

- ALL DIMENSIONS OF STANDARD GUARDRAIL COMPONENTS, INCLUDING PANELS, POSTS, OFFSET BLOCKS, BOLTS, NUTS, WASHERS AND HOLES, ARE BASED UPON ENGLISH UNIT CONVERSIONS OF THE AASHTO-AGC JOINT COMMITTEE TASK FORCE 13 REPORT: A GUIDE TO STANDARDIZING HIGHWAY BARRIER HARDWARE (HTTP://WWW.AASHTOF13.ORG/BARRIER-HARDWARE.PHP)
- ALL GUARDRAIL MATERIALS SHALL CONFORM TO M.08 UNLESS OTHERWISE INDICATED.
- APPROVAL BY THE ENGINEER IS REQUIRED WHERE A DIFFERING GUARDRAIL CONFIGURATION IS REQUIRED FOR CONSTRUCTABILITY BEYOND THE OPTIONS SHOWN IN THESE STANDARDS OR THE PLANS.
- THE BEGIN OR END STATION LABELS SHOWN IN THESE STANDARDS CORRESPOND TO THE STATION AND OFFSET CALLOUTS SPECIFIED IN THE PLANS.
- USE 12'-6" NOMINAL LENGTH PANELS UNLESS OTHERWISE INDICATED IN THESE STANDARDS OR THE PLANS.
- ALL LAP SPLICES SHALL BE MIDSPAN UNLESS OTHERWISE SHOWN.
- LAP SPLICES SHALL BE CONSTRUCTED WITH THE SPLICE RIDGE ORIENTED DOWNSTREAM OF THE FINAL DIRECTION OF TRAFFIC IN THE NEAREST TRAVEL LANE. REORIENTING LAP SPLICES FOR TEMPORARY TRAFFIC CONTROL IS NOT REQUIRED.
- STANDARDS POSTS SHALL BE STEEL OR TIMBER, UNLESS OTHERWISE INDICATED IN THE PLANS. FABRICATED TO THE DIMENSIONS SHOWN ON POST AND OFFSET BLOCK DETAILS. POSTS OF A SINGLE MATERIAL TYPE SHALL BE USED THROUGHOUT AN ENTIRE RUN OF GUARDRAIL; EXCEPTIONS ARE ALLOWED ONLY WHEN SPECIFIC MATERIAL TYPES ARE REQUIRED FOR TRANSITIONS, END TREATMENTS, AND/OR ANCHORAGES.
- DEEP POST SHALL ONLY BE USED WHERE INDICATED IN THESE STANDARDS OR THE PLANS.
- OFFSET BLOCKS, WHERE REQUIRED, SHALL BE TIMBER AND FABRICATED TO THE NOMINAL DIMENSIONS SHOWN ON POST AND OFFSET BLOCK DETAILS. PLASTIC OR COMPOSITE OFFSET BLOCKS OF THE SAME NOMINAL DIMENSIONS THAT ARE LISTED ON THE QUALIFIED CONSTRUCTION MATERIALS LIST MAY BE SUBSTITUTED. OFFSET BLOCKS OF A SINGLE MATERIAL TYPE SHALL BE USED THROUGHOUT AN ENTIRE RUN OF GUARDRAIL; EXCEPTIONS ARE ALLOWED ONLY WHEN SPECIFIC MATERIAL TYPES ARE REQUIRED FOR TRANSITIONS, END TREATMENTS AND/OR ANCHORAGES.
- MILLINGS, WHERE CALLED, SHALL CONFORM TO SECTION 213 OF THE RI STANDARD SPECIFICATIONS.
- GUARDRAIL DELINEATORS, CONFORMING TO SECTION 901 SHALL BE INSTALLED AT 25' INTERVALS WITHIN 100' OF END TREATMENT OR TRAILING ANCHORAGE AND AT 100' INTERVALS IN ALL OTHER AREAS UNLESS OTHERWISE SHOWN IN THE PLANS.
- MINIMAL OFFSET DISTANCE FROM FACE OF W-BEAM PANEL TO A FIXED (NON-BREAKAWAY) OBJECT SHALL BE 48" FOR TL-2 AND 60" FOR TL-3.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 04 2023 FILE # 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek

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

NOTE PER DEM:

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Environmental Management
JAN 13 2023
Office of Water Resources



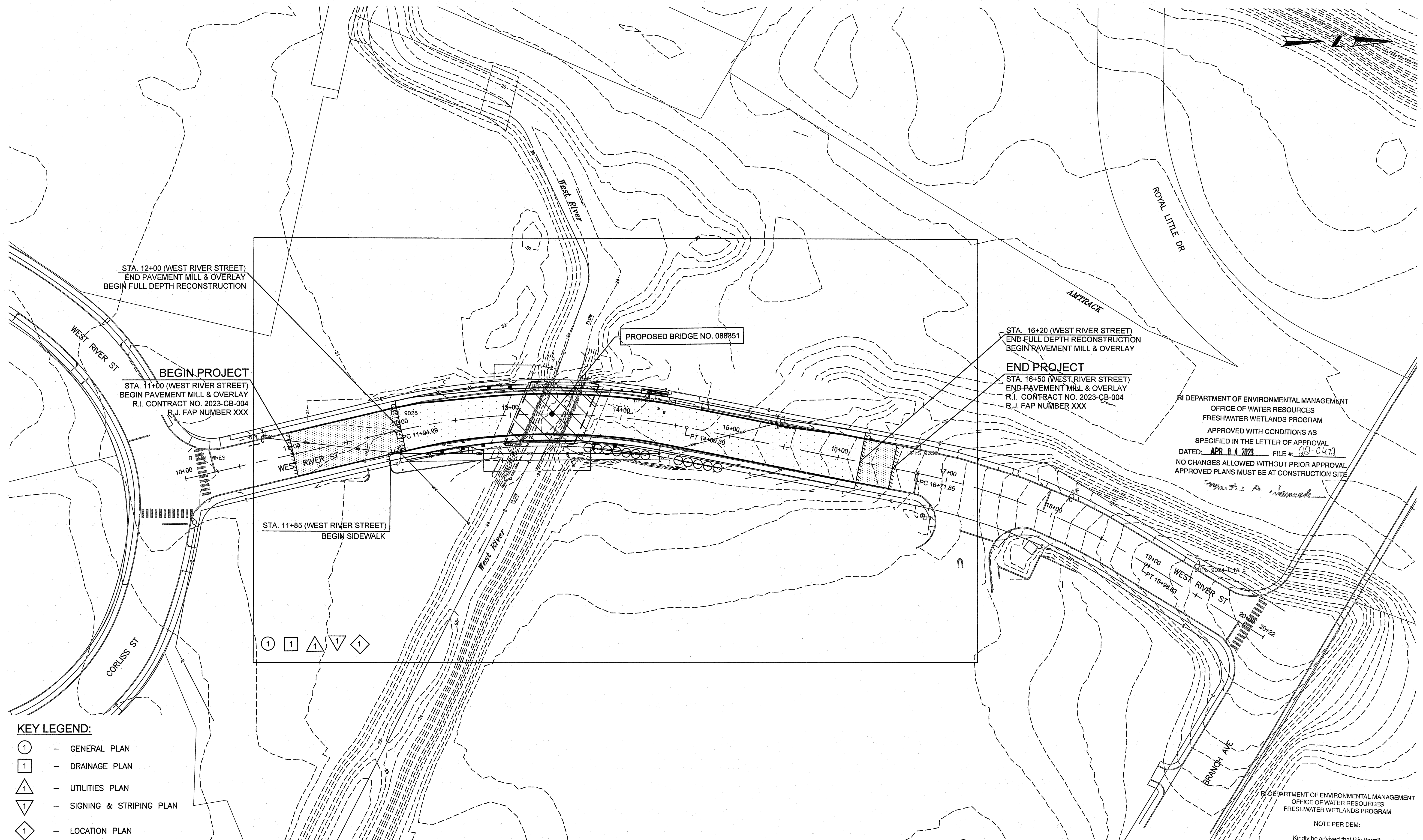
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	
CHECKED BY:	
DATE:	01-12-2023
SHEET:	5
OF:	24

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1 RHODE ISLAND

JOB SPECIFIC NOTES AND LEGEND

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	6	24



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
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 DATED: APR 14 2023 FILE #: 22-0472
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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- KEY LEGEND:**
- ① - GENERAL PLAN
 - ① - DRAINAGE PLAN
 - ▲ - UTILITIES PLAN
 - ▼ - SIGNING & STRIPING PLAN
 - ◇ - LOCATION PLAN



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

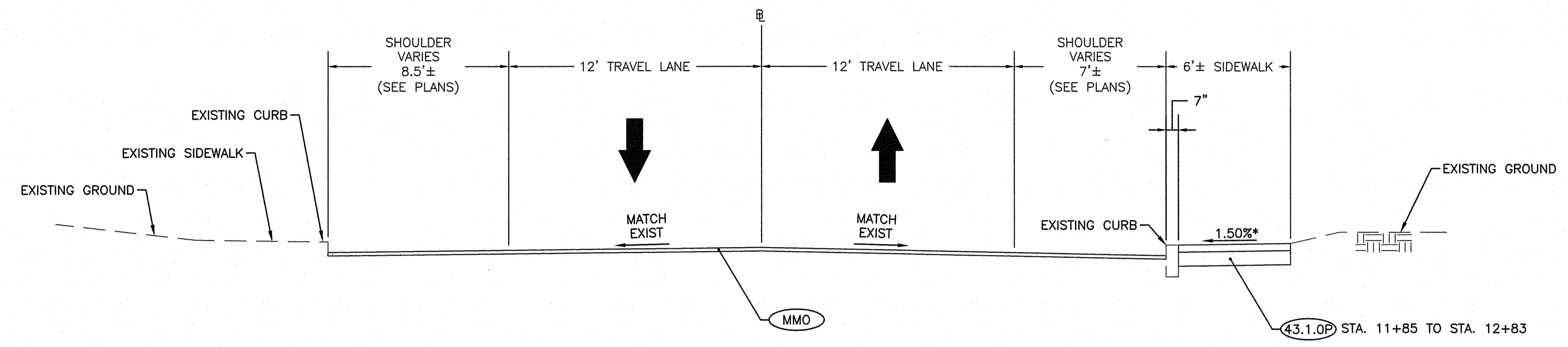
DESIGNED BY:
 CHECKED BY:
 DATE: 01-12-2023
 SHEET: 6
 OF: 24

SCALE: 1" = 40'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

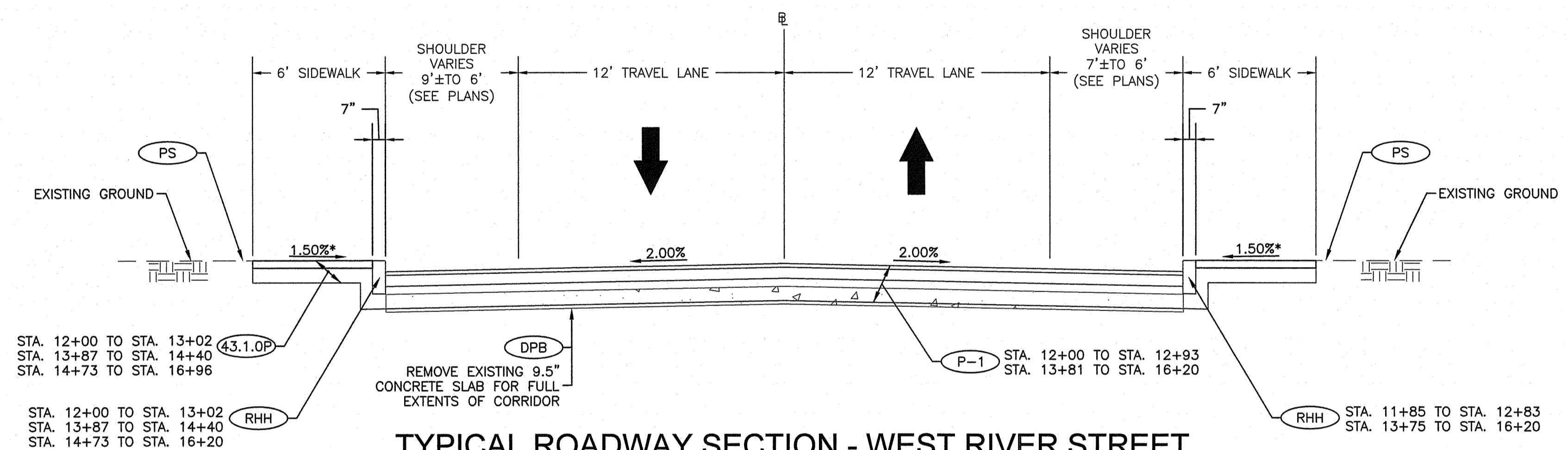
BRIDGE GROUP 13E
 WEST RIVER ST. BRIDGE NO. 088351
 CONTRACT: 00 VOLUME 1
 PROVIDENCE, RHODE ISLAND

KEY PLAN
 JAN 13 2023



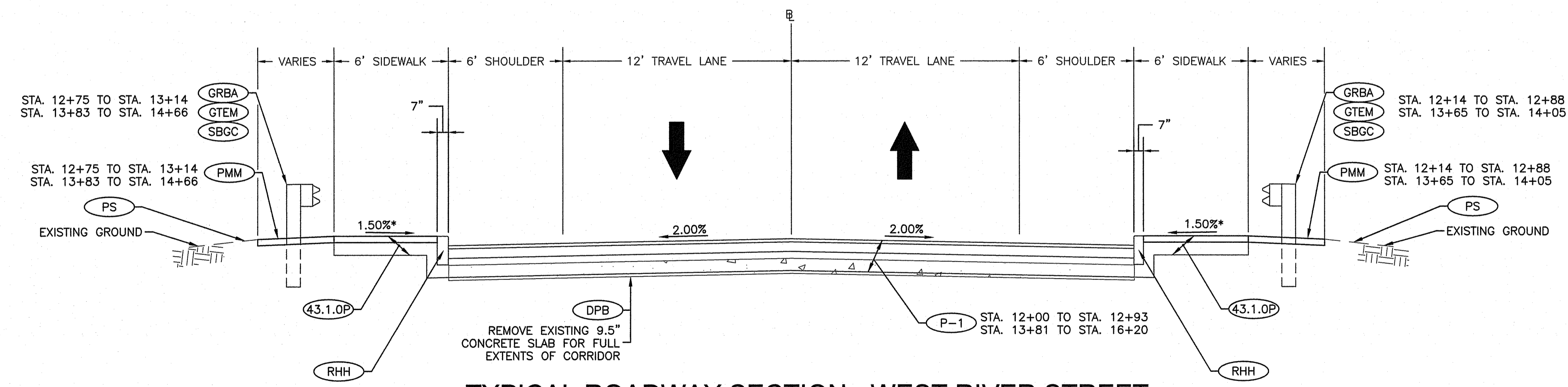
**TYPICAL ROADWAY SECTION - WEST RIVER STREET
TWO LANE (MILL & OVERLAY)**

SCALE 1"=4'
STA. 11+00 TO STA. 12+00
STA. 16+20 TO STA. 16+50
*TOLERANCE FOR CONSTRUCTION ±0.50%



**TYPICAL ROADWAY SECTION - WEST RIVER STREET
TWO LANE (FULL DEPTH)**

SCALE 1"=4'
STA. 12+00 TO STA. 12+14
STA. 14+10 TO STA. 16+20
*TOLERANCE FOR CONSTRUCTION ±0.50%



**TYPICAL ROADWAY SECTION - WEST RIVER STREET
TWO LANE (FULL DEPTH)**

SCALE 1"=4'
STA. 12+14 TO STA. 12+93
STA. 13+81 TO STA. 14+10
*TOLERANCE FOR CONSTRUCTION ±0.50%

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 04 2023 FILE #: 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek

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

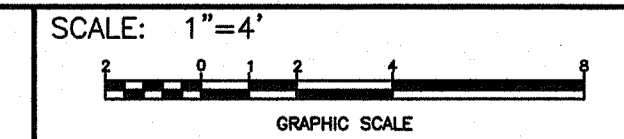
NOTE PER DEM:

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of freshwater wetlands on site



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE: 01-12-2023
SHEET: 7
OF: 24

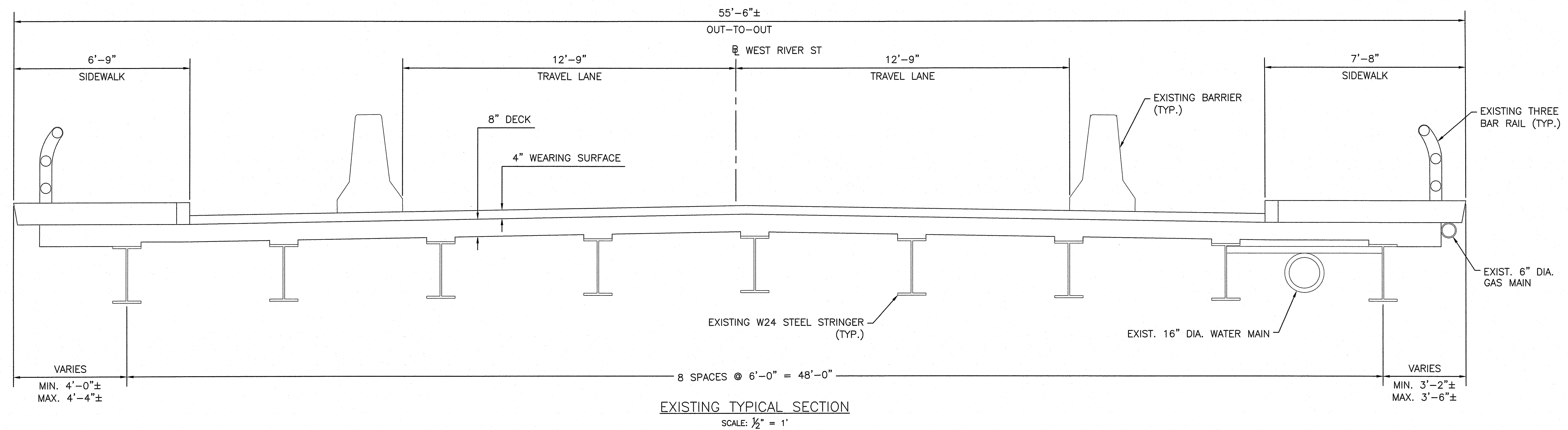


REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

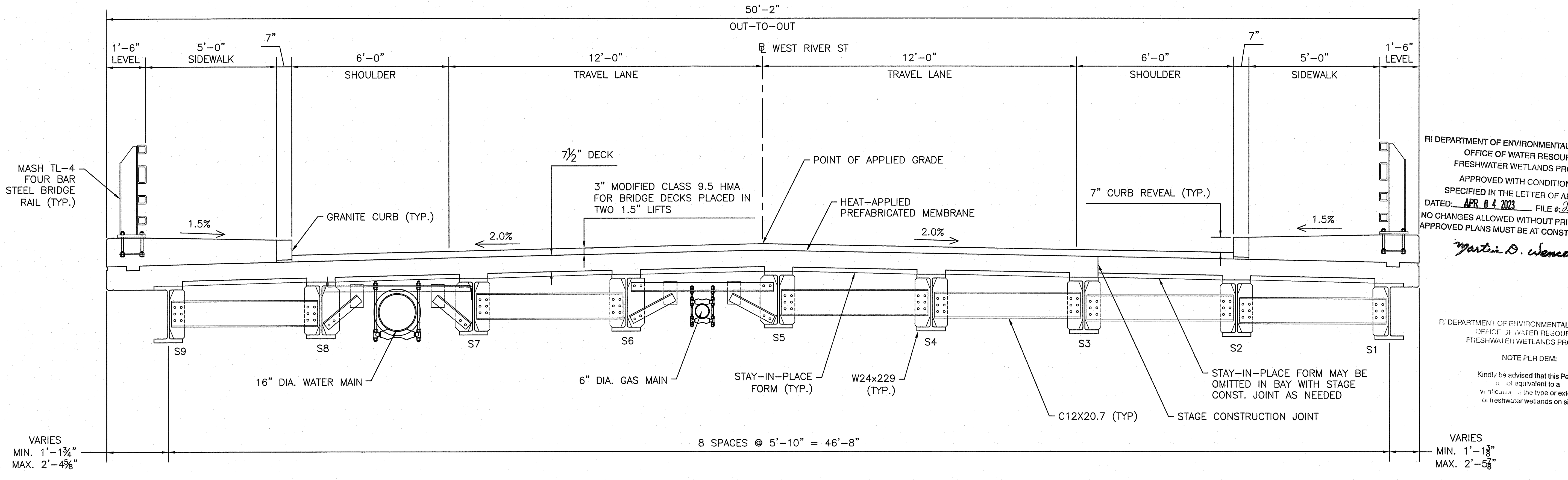
BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
CONTRACT: 00 VOLUME: 1

TYPICAL SECTIONS

JAN 13 2023



EXISTING TYPICAL SECTION
SCALE: 1/2" = 1'



PROPOSED TYPICAL SECTION
SCALE: 1/2" = 1'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: APR 04 2023 FILE # 22-0472
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Martin D. Wensek

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

NOTE PER DEM:

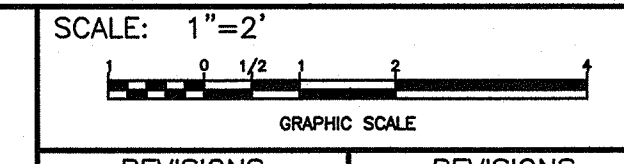
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Environmental Management
JAN 13 2023
Office of Water Resources



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

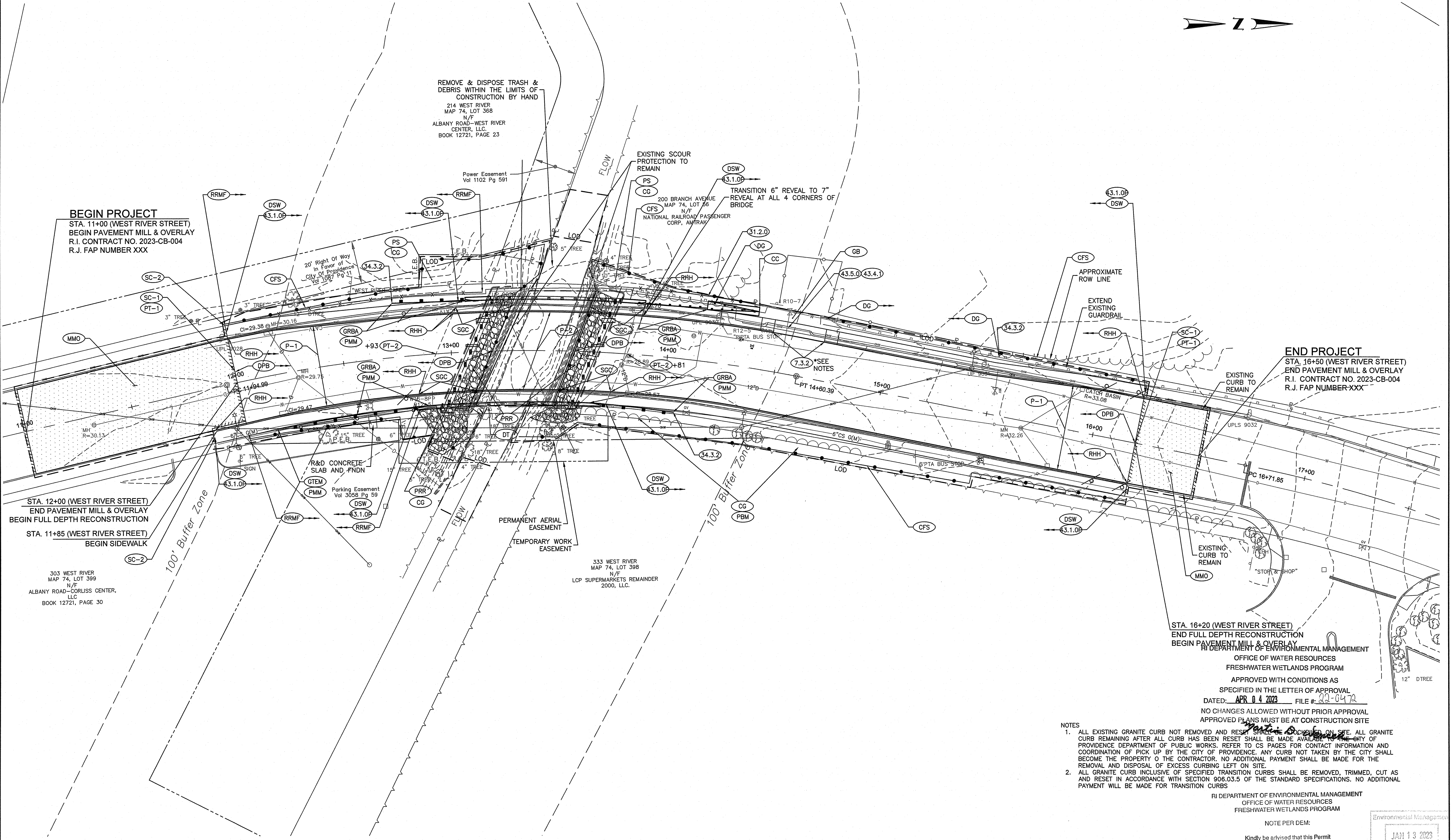
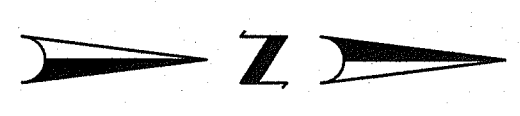
DESIGNED BY:
CHECKED BY:
DATE: 01-12-2023
SHEET: 8
OF: 24



REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 2023-CB-004 VOLUME: 1 RHODE ISLAND

BRIDGE TYPICAL SECTIONS



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 04 2023 FILE #: 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Environmental Management
JAN 13 2023
Office of Water Resources



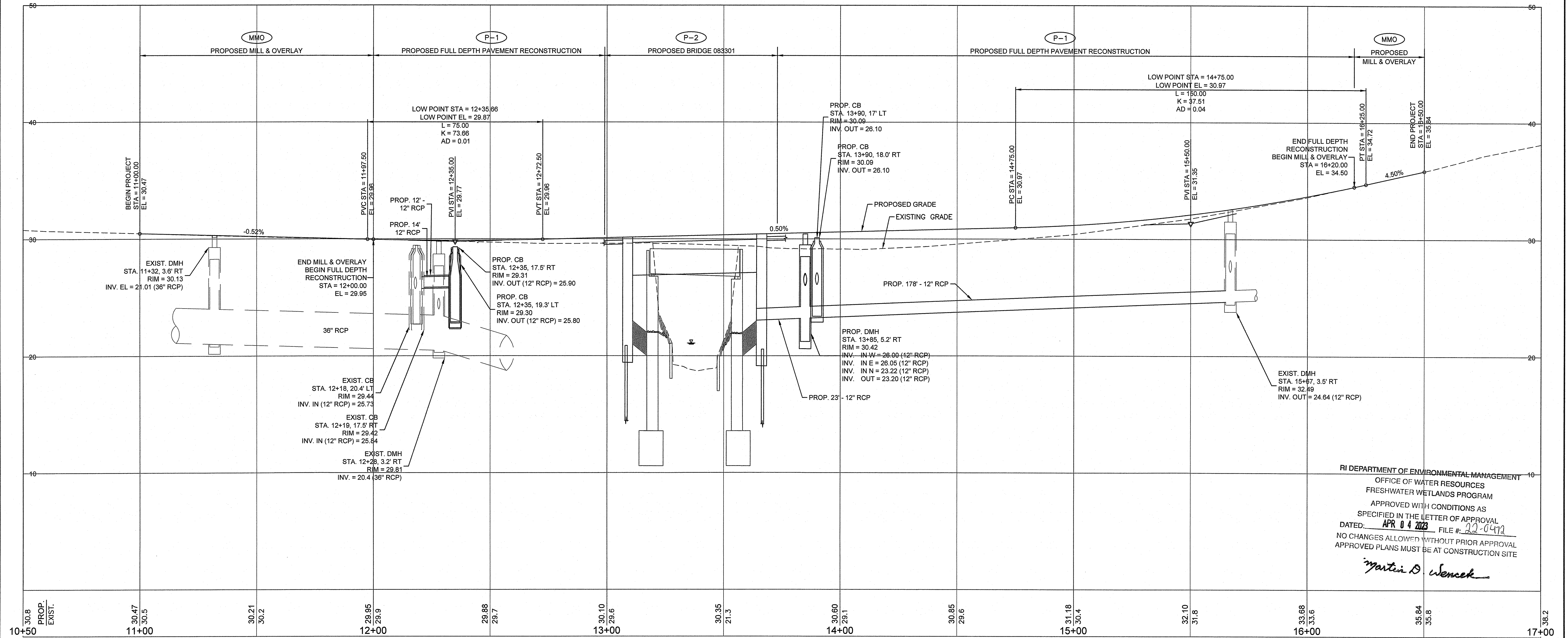
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE: 01-12-2023
SHEET: 9
OF: 24

SCALE: 1"=20'

REVISIONS					
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1 RHODE ISLAND
GENERAL PLAN NO. 1



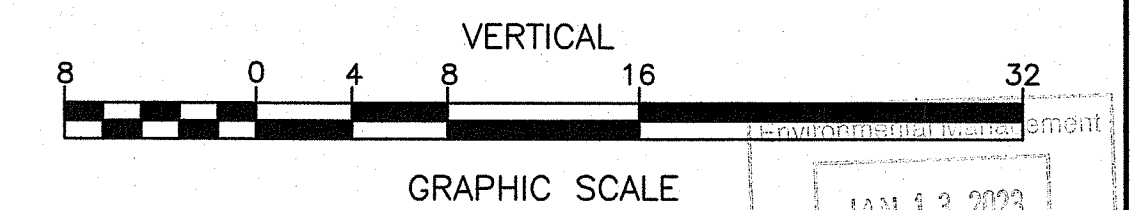
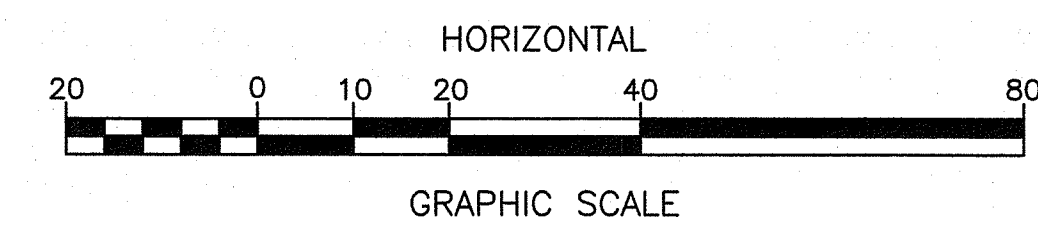
WEST RIVER STREET

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: APR 04 2023 FILE #: 22-0472
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Martin D. Wencsek

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 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:
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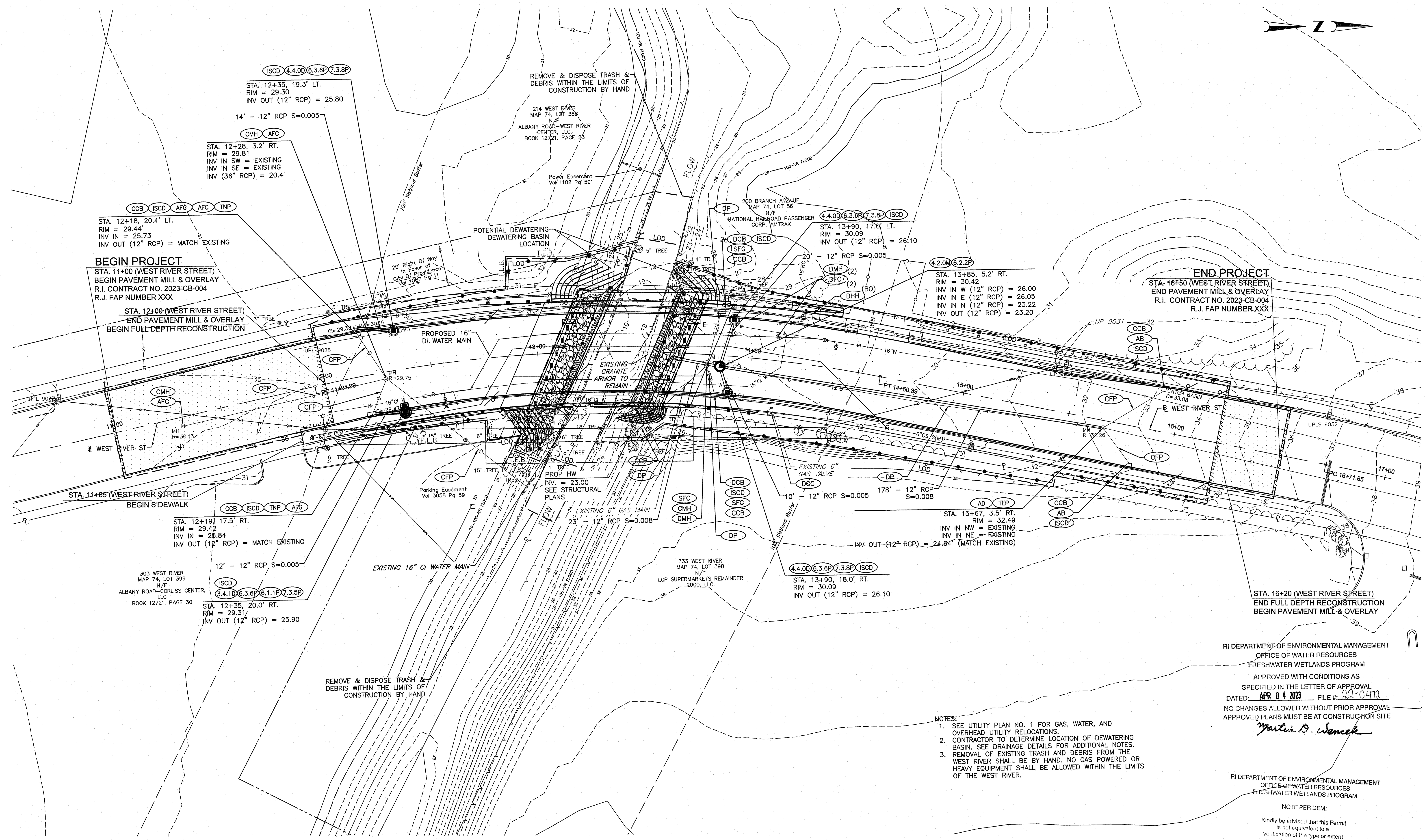
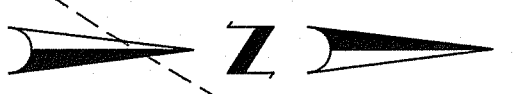


RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	
CHECKED BY:	
DATE:	01-12-2023
SHEET:	11
OF:	24

BRIDGE GROUP 13E
 WEST RIVER ST. BRIDGE NO. 088351
 CONTRACT: 00 VOLUME: 1
 PROVIDENCE RHODE ISLAND

PROFILING NO. 1



BEGIN PROJECT
 STA. 11+00 (WEST RIVER STREET)
 BEGIN PAVEMENT MILL & OVERLAY
 R.I. CONTRACT NO. 2023-CB-004
 R.J. FAP NUMBER XXX

END PROJECT
 STA. 16+50 (WEST RIVER STREET)
 END PAVEMENT MILL & OVERLAY
 R.I. CONTRACT NO. 2023-CB-004
 R.J. FAP NUMBER XXX

- NOTES:
- SEE UTILITY PLAN NO. 1 FOR GAS, WATER, AND OVERHEAD UTILITY RELOCATIONS.
 - CONTRACTOR TO DETERMINE LOCATION OF DEWATERING BASIN. SEE DRAINAGE DETAILS FOR ADDITIONAL NOTES.
 - REMOVAL OF EXISTING TRASH AND DEBRIS FROM THE WEST RIVER SHALL BE BY HAND. NO GAS POWERED OR HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN THE LIMITS OF THE WEST RIVER.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: APR 04 2023 FILE # 22-0473
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Martin D. Wenczek

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

NOTE PER DEM:
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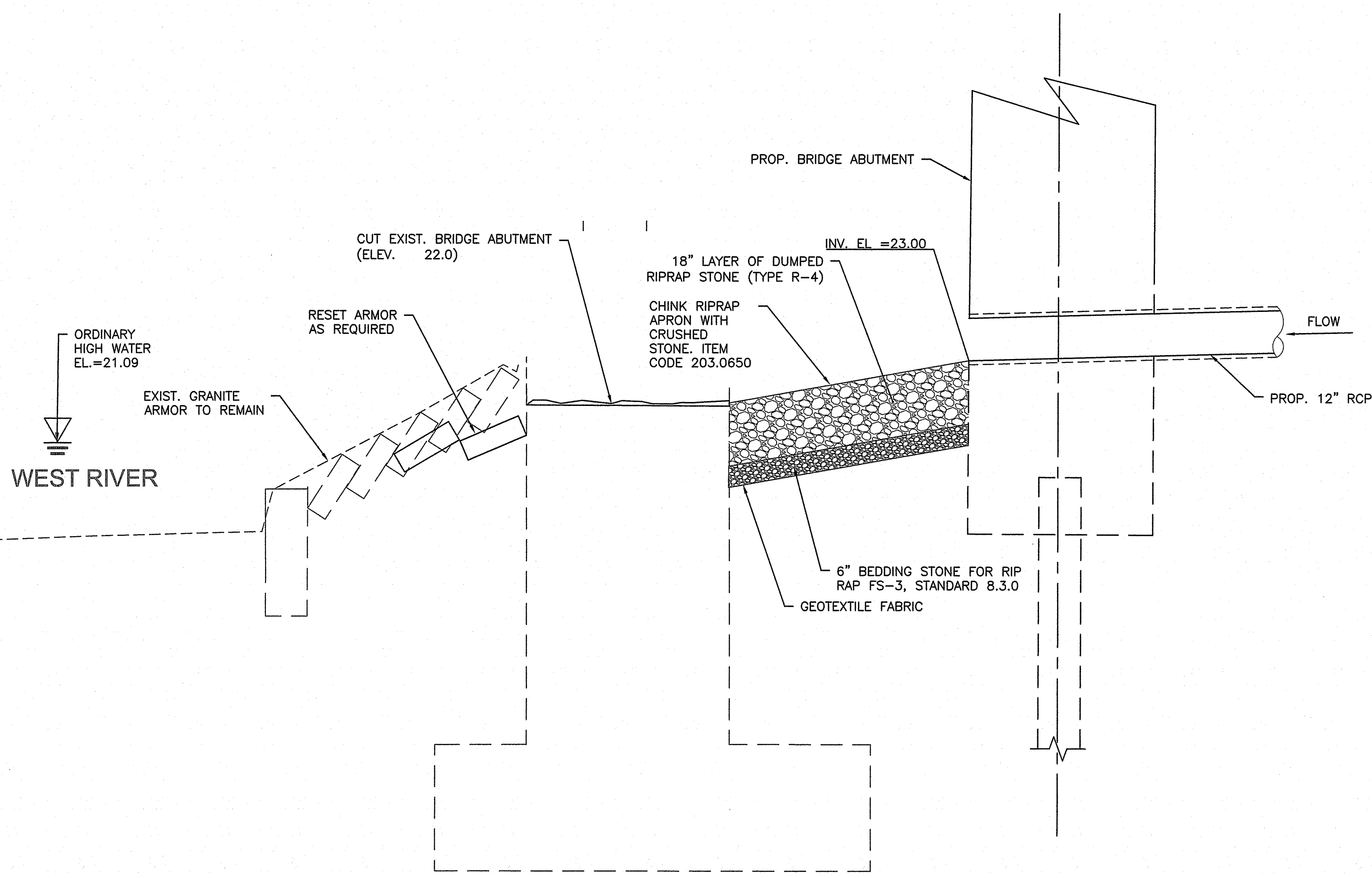
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
 CHECKED BY:
 DATE: 01-12-2023
 SHEET: 12
 OF: 24

SCALE: 1"=20'

GRAPHIC SCALE					
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

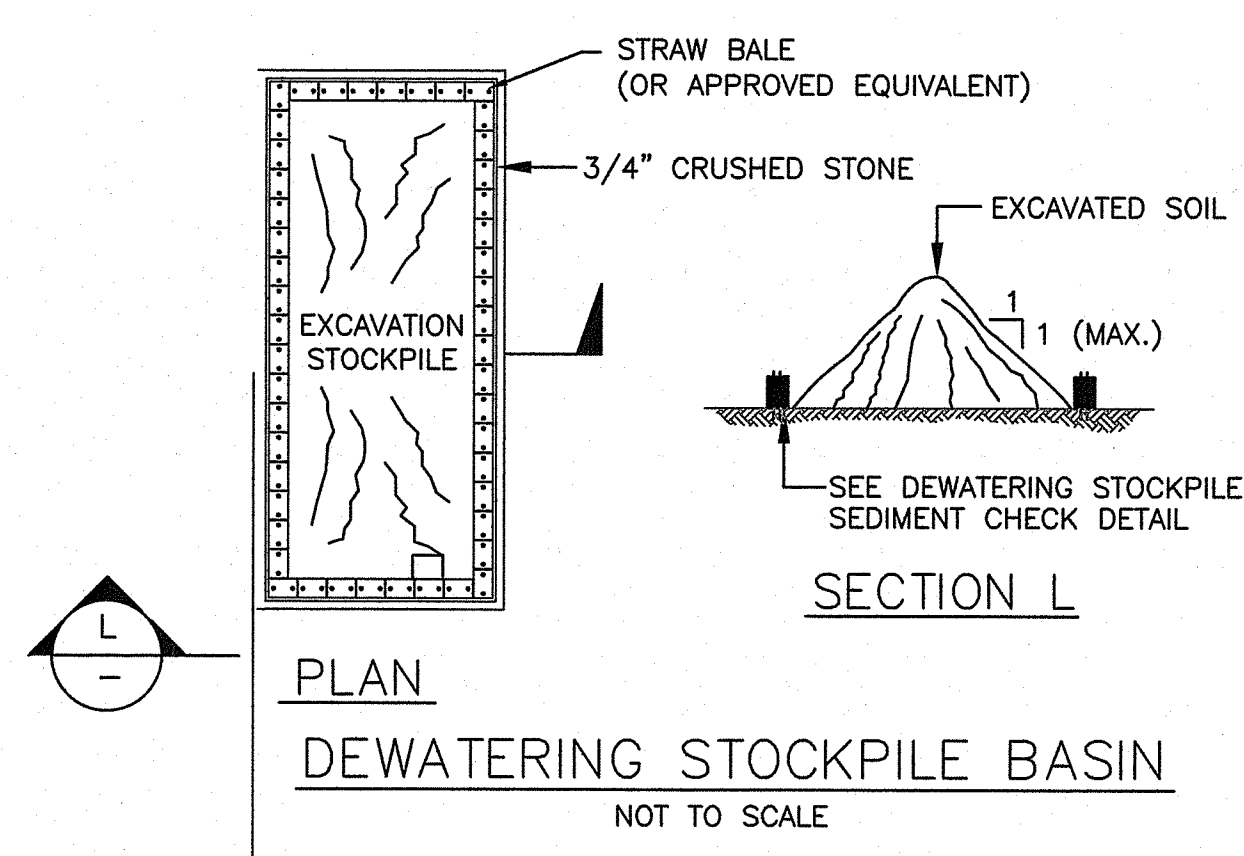
BRIDGE GROUP 13E
 WEST RIVER ST. BRIDGE NO. 088351
 CONTRACT: 00 VOLUME: 1
 DRAINAGE PLAN NO. 1
 JAN 13 2023



SECTION VIEW
NOT TO SCALE

- NOTES:**
- SEE BRIDGE PLANS FOR PIPE DETAIL AT THE EXISTING CONCRETE BRIDGE ABUTMENT.
 - RIPRAP STONE SHALL MEET THE REQUIREMENTS OF SECTION M.10.03.2 OF THE LATEST EDITION OF THE R.I. STANDARD SPECIFICATION
 - RIPRAP BEDDING STONE SHALL MEET THE REQUIREMENTS OF SECTION M.03.01 OF THE R.I. STANDARD SPECIFICATIONS.
 - GEOTEXTILE FABRIC SHALL BE A NON-WOVEN (AASHTO M-288) TYPE SUITABLE FOR SEPARATION OF MATERIALS AND SHALL BE ONE OF THOSE INCLUDED ON RIDOT APPROVED MATERIALS LIST.

PLACED RIP RAP (PRR)
NOT TO SCALE



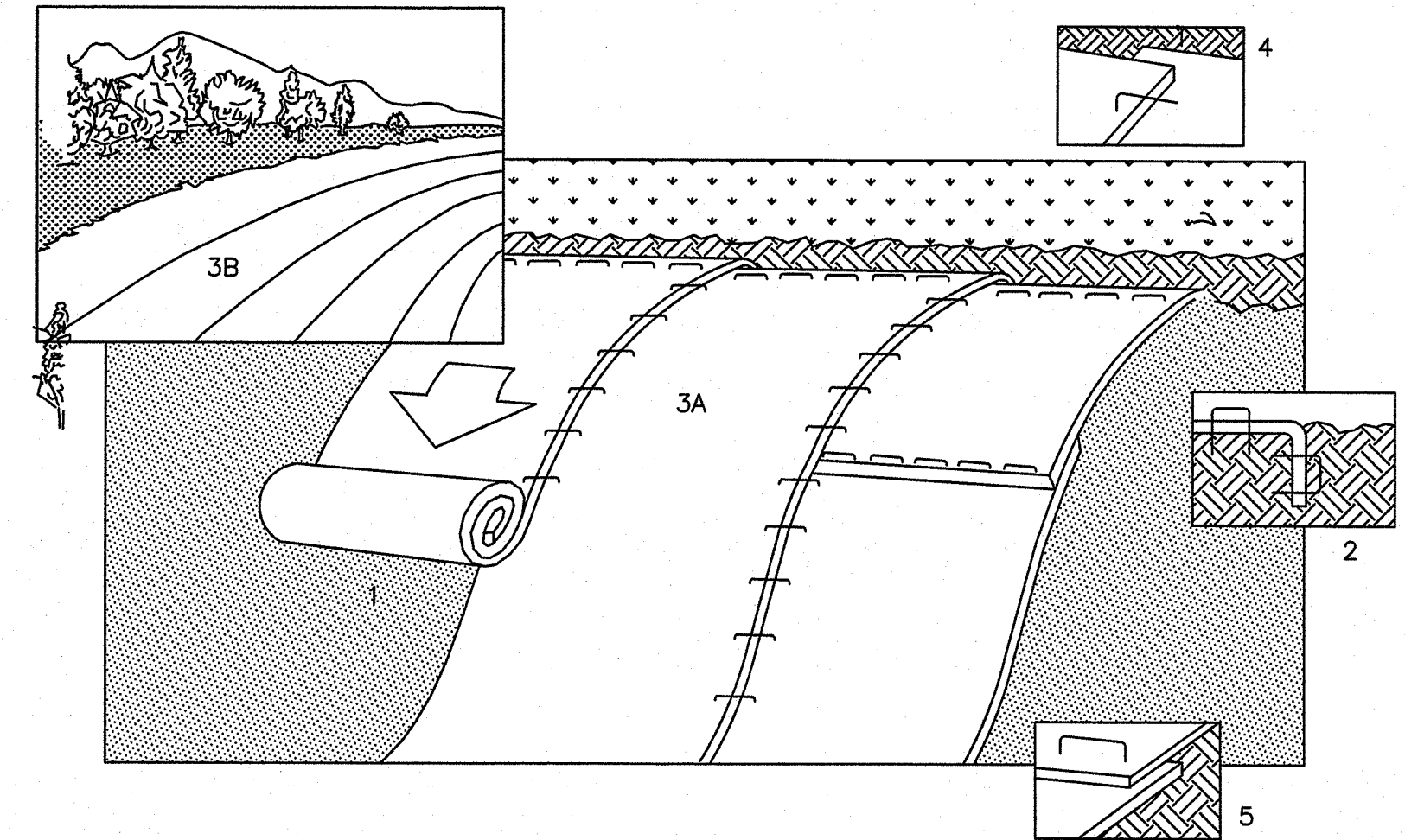
DEWATERING STOCKPILE BASIN:
SATURATED SOILS MAY BE ENCOUNTERED DURING EXCAVATION OF THE PROPOSED ABUTMENTS AND PLACED RIP RAP APRON. SATURATED SOILS SHALL BE TEMPORARILY STOCKPILED AND ALLOWED TO DRY. ALL SOILS SHALL BE HANDLED IN ACCORDANCE WITH ITEM CODES 202.9986, 202.9987, 202.9988, 202.9989 AND 202.9990 AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL THE MEANS, METHODS AND PROPOSED DEWATERING STOCKPILE AREA PRIOR TO EXCAVATION. SEE STRUCTURAL STAGING DRAWINGS FOR ADDITIONAL CONSTRUCTION NOTES. DEWATERING STOCKPILE BASIN SHALL BE PAID UNDER ITEM CODE 208.9902.

DEWATERING / DEWATERING BASIN:
DIRECT DISCHARGE TO THE WEST RIVER SHALL NOT BE ALLOWED. ALL DEWATERING SHALL BE FILTERED THROUGH A DEWATERING BASIN STANDARD 9.7.0 OR DEWATERING DEVICE SUCH AS A "DIRT BAG" AND APPROVED BY THE ENGINEER.

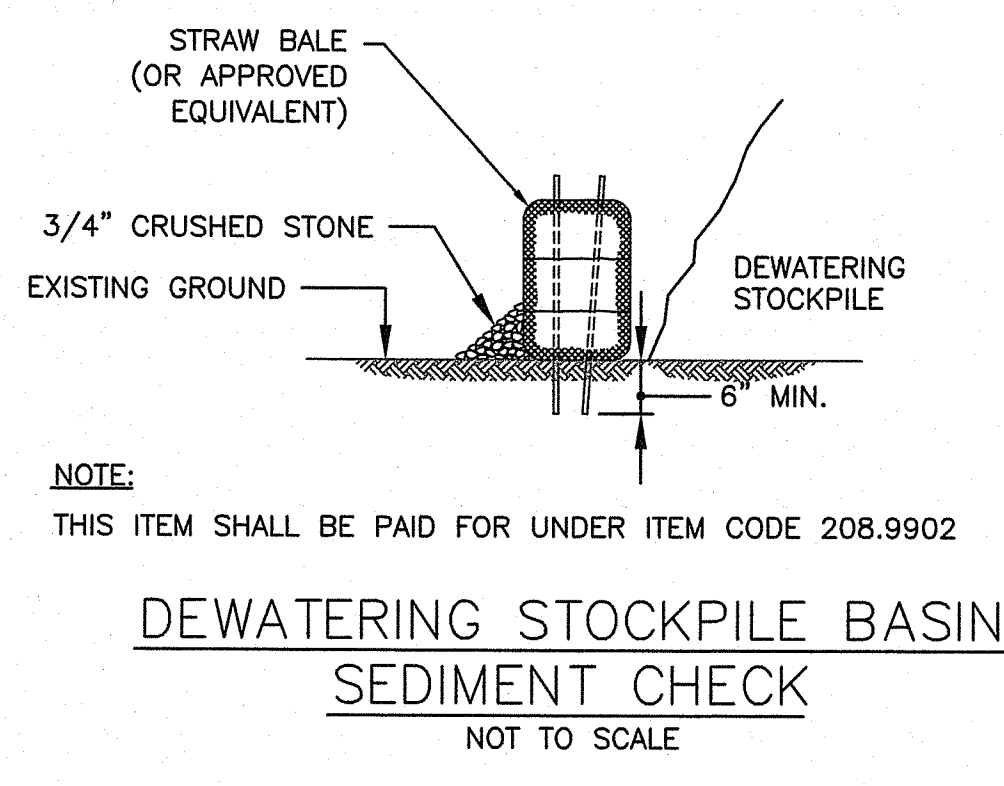
REFER TO DRAINAGE PLAN NO. 1 FOR POTENTIAL LOCATION(S) OF DEWATERING BASIN AREA. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE LOCATION AND SIZE OF THE PROPOSED DEWATERING BASIN LOCATION(S) AND THE PROPOSED MEANS AND METHODS FOR ALL DEWATERING TO ENGINEER FOR APPROVAL.

DEWATERING SHALL BE PAID UNDER ITEM CODE 208.0100 DEWATERING BASIN STANDARD 9.7.0



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

EROSION CONTROL BLANKET (ECB)
NOT TO SCALE



NOTE:
THIS ITEM SHALL BE PAID FOR UNDER ITEM CODE 208.9902

DEWATERING STOCKPILE BASIN SEDIMENT CHECK
NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATE: APR 04 2022 FILE #: 22-0472
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Martin D. Wenczek

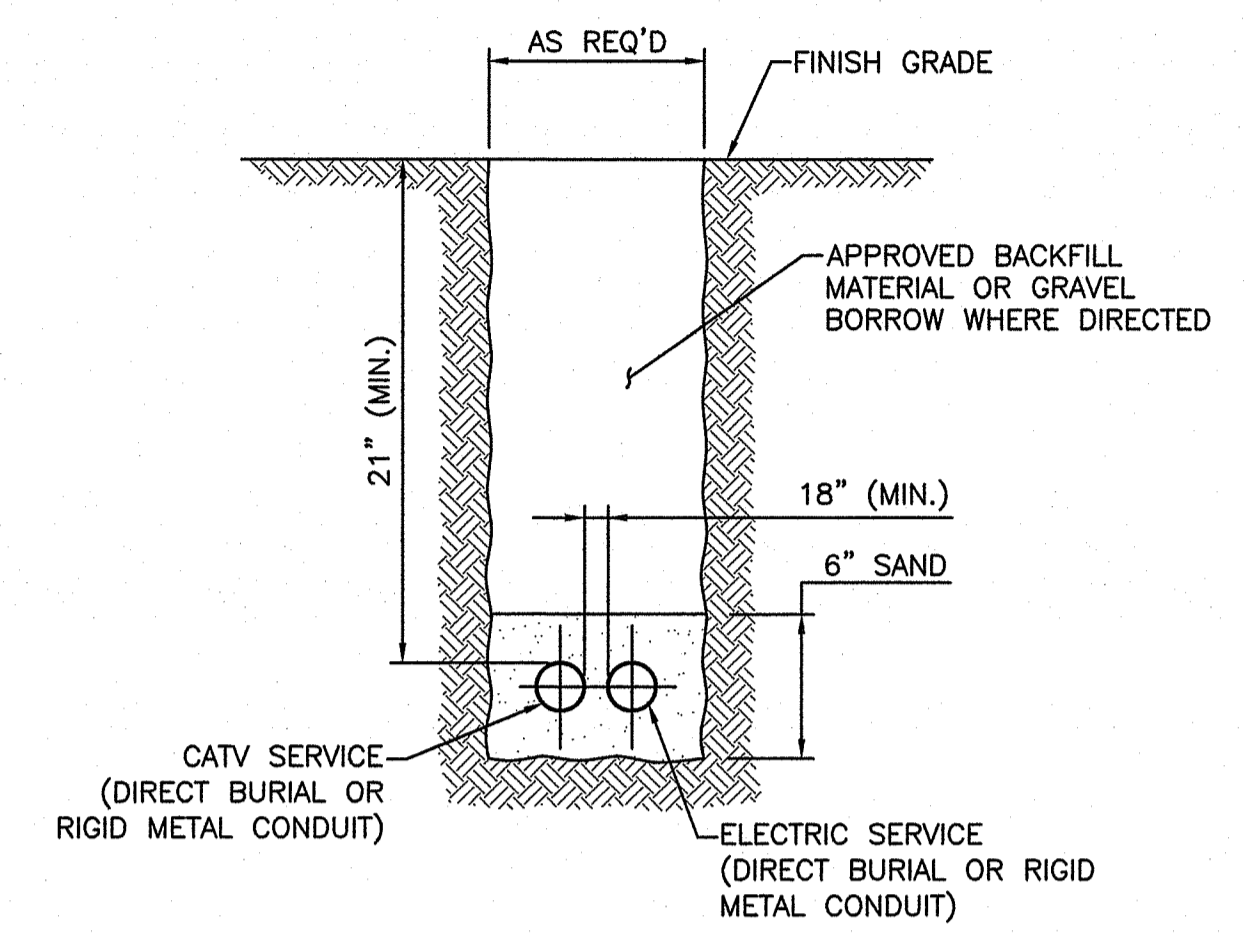
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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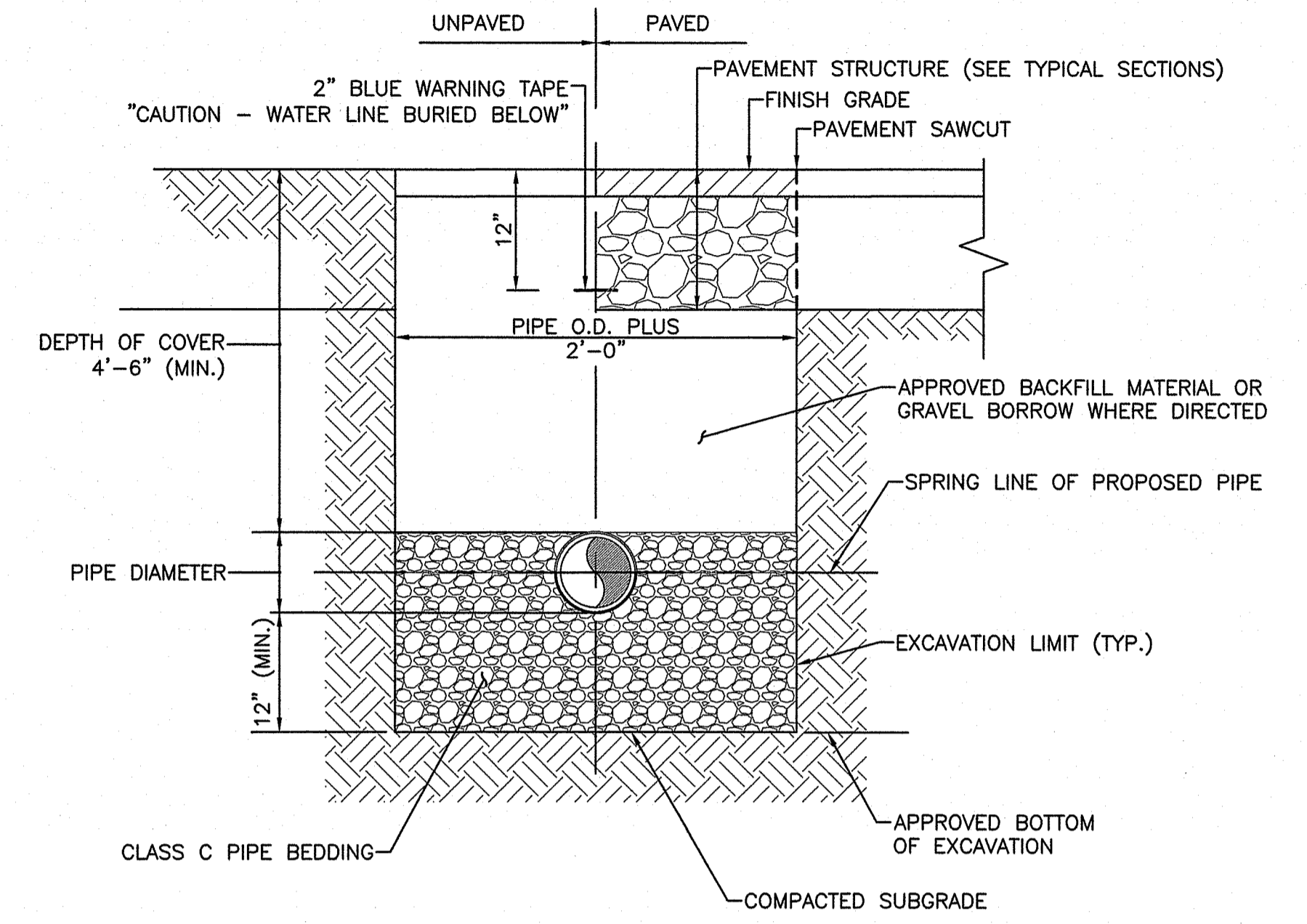
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	SCALE: NOT TO SCALE					
CHECKED BY:						
DATE:	01-12-2023	REVISIONS		REVISIONS		
SHEET:	13	NO.	DATE	NO.	DATE	
OF:	24					

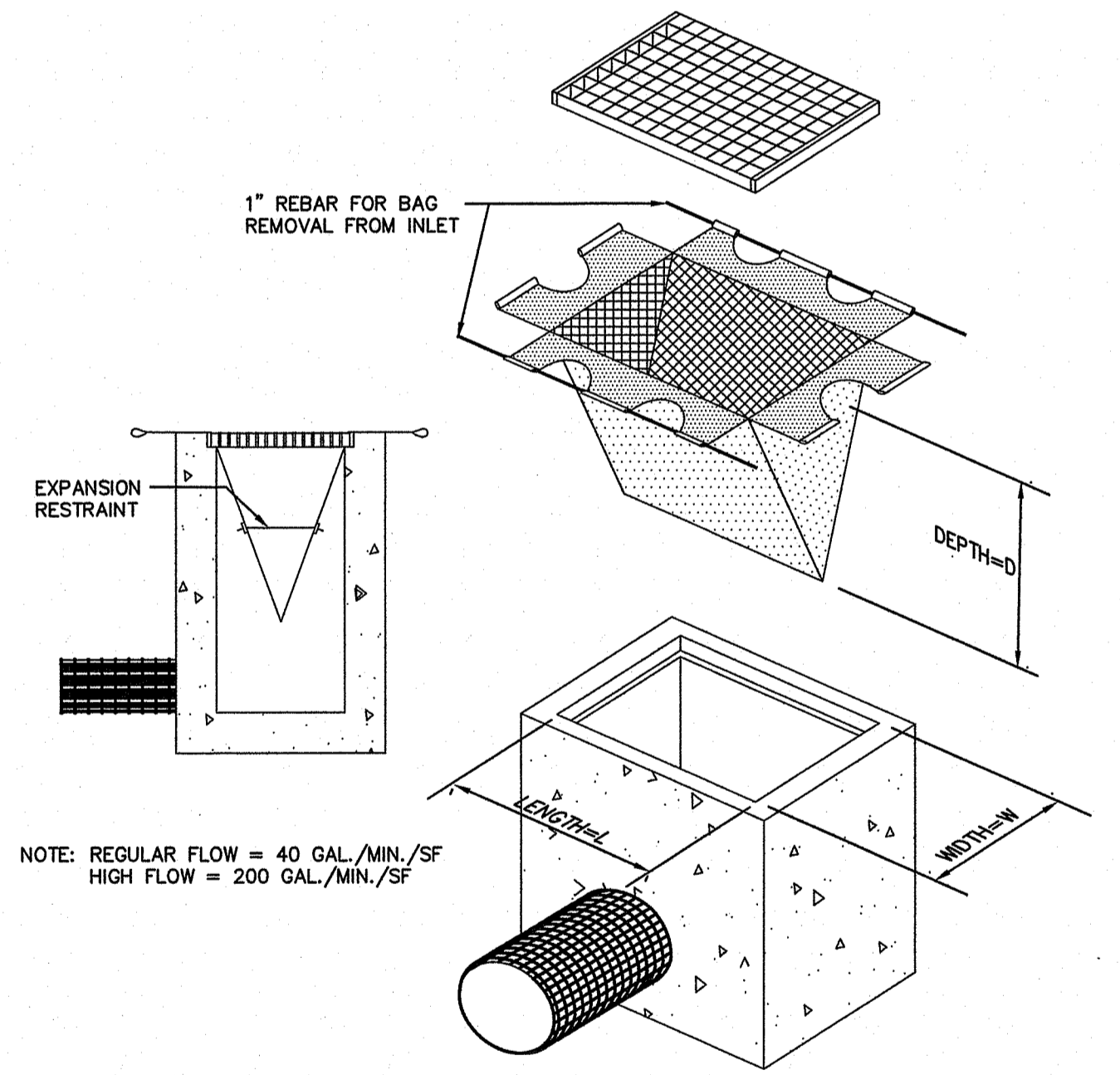
BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
CONTRACT: 00 VOLUME: 1
DRAINAGE DETAIL NO. 1
RHOIDE ISLAND
JAN 13 2022



TYPICAL UTILITY TRENCH DETAIL
NOT TO SCALE



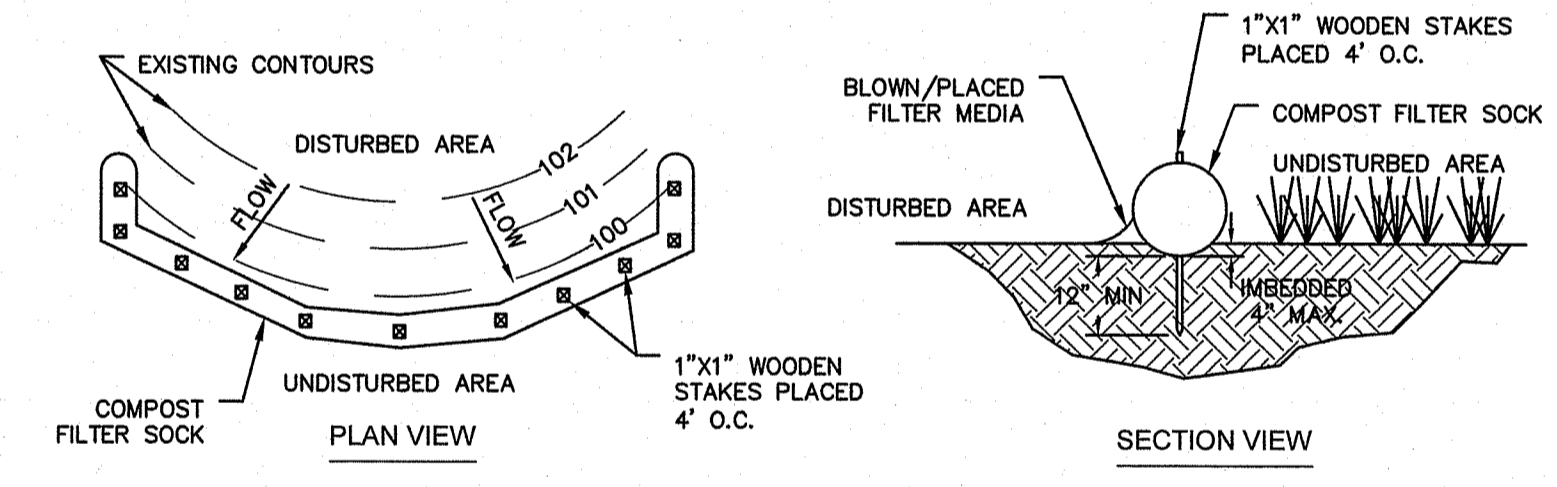
TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE



NOTE: REGULAR FLOW = 40 GAL./MIN./SF
HIGH FLOW = 200 GAL./MIN./SF

- NOTES:**
- MEASURE CATCH BASIN DIMENSIONS AND PROVIDE APPROPRIATELY-SIZED DEVICES PER MANUFACTURER'S REQUIREMENTS.
 - INSTALL INLET SEDIMENT CONTROL DEVICE IN CATCH BASIN BEFORE COMMENCING ANY ROADWORK.
 - GRATE TO BE PLACED OVER INLET SEDIMENT CONTROL DEVICE.
 - INLET SEDIMENT CONTROL DEVICE 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 (ISCD)



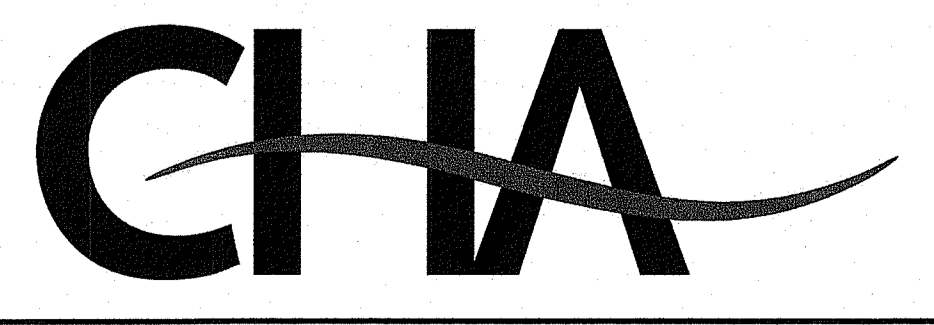
- NOTES:**
- FILTER SOCKS SHALL BE INSTALLED WHERE INDICATED ON THE GENERAL PLANS AND SHALL BE CONSTRUCTED OF 100% BIODEGRADABLE MATERIAL. A ROW OF FILTER SOCKS (WEIGHTED DOWN AND NOT STAKED) SHALL ALSO BE INSTALLED AROUND ANY SOIL STOCKPILE AREAS UTILIZED BY THE CONTRACTOR DURING CONSTRUCTION.
 - FILTER 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 ROLL. COMPACT SOIL EXCAVATED TO CREATE A TRENCH ON THE UPHILL SIDE.
 - 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 AND NO VEHICLES SHALL BE DRIVEN OVER FILTER SOCKS.

COMPOST FILTER SOCK 12" DIA. (CFS)
NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: APR 11 2023 FILE #: 23-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Martin D. Wenczek

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

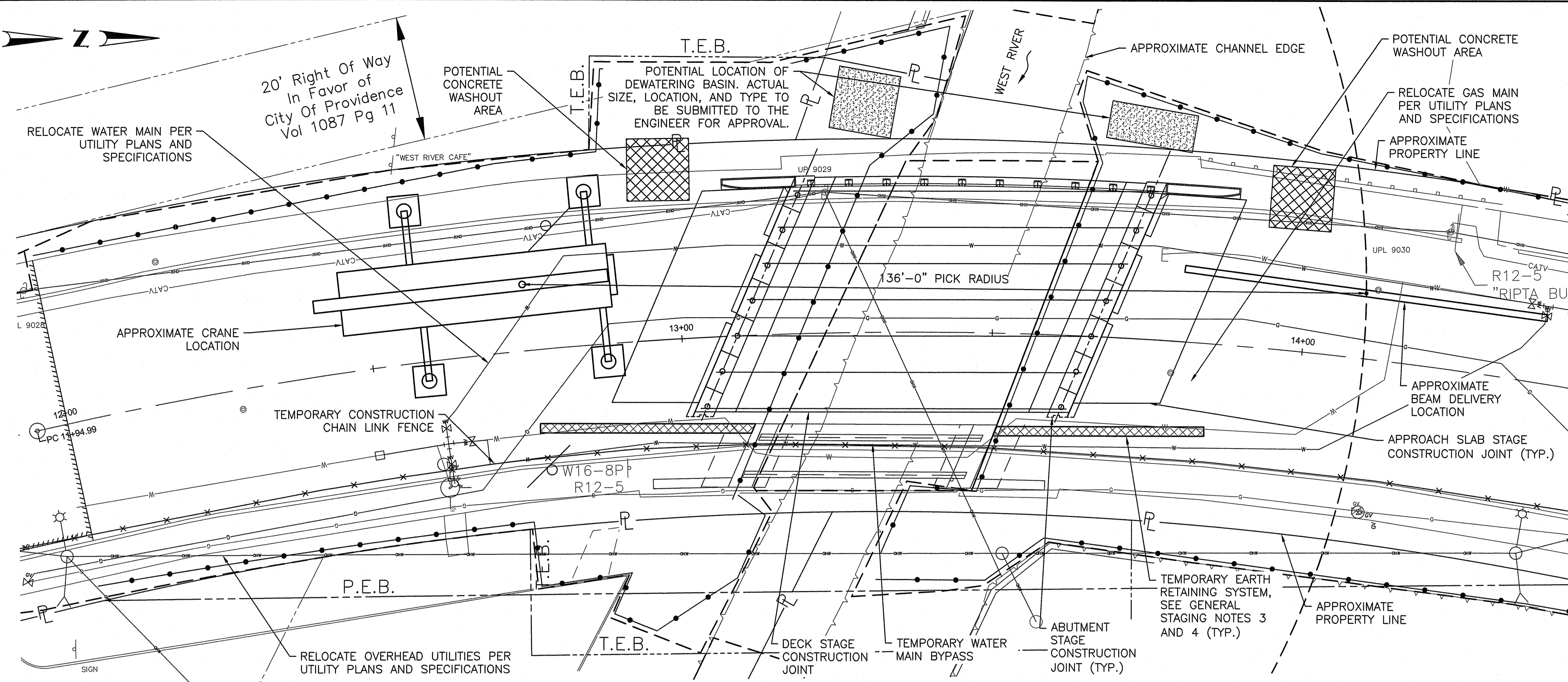
DESIGNED BY:	K
CHECKED BY:	K
DATE:	01-12-2023
SHEET:	14
OF:	24

SCALE: NOT TO SCALE

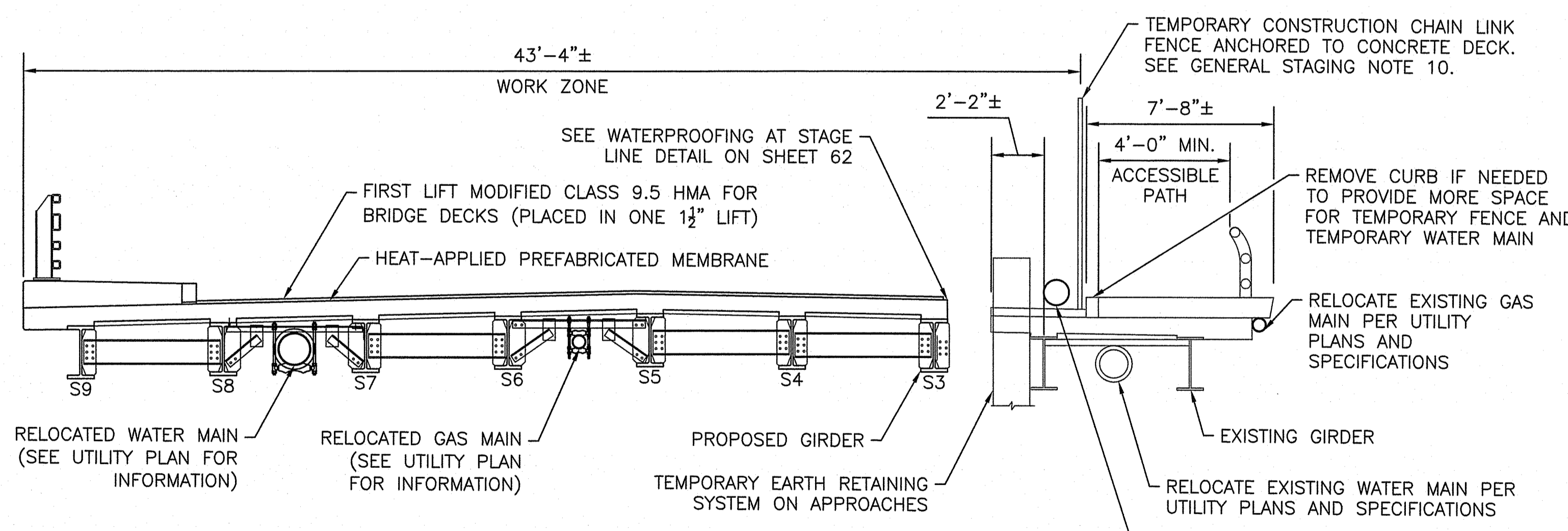
BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1

DRAINAGE DETAIL NO.2

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	16	24



STAGE 1 - ERECTION PLAN
SCALE: 1" = 10'



STAGE 1 - ERECTION SECTION
SCALE: ¼" = 1'

LEGEND:

- XXXXX TEMPORARY EARTH RETAINING SYSTEM
- TEMPORARY TRAFFIC BARRIER (SEE TRAFFIC PLANS FOR MORE INFORMATION)
- x- TEMPORARY CONSTRUCTION FENCE
- P- PROPERTY LINE
- P.E.B. PERMANENT EASEMENT LINE
- T.E.B. TEMPORARY EASEMENT LINE

CRANE AND ERECTION NOTES:

1. THE CRANE LOCATION, BEAM DELIVERY LOCATION, AND ERECTION SEQUENCE ARE SHOWN SCHEMATICALLY. THE CONTRACTOR SHALL DEVELOP AN ERECTION PLAN AND SEQUENCE AND SUBMIT THEM TO THE ENGINEER FOR REVIEW. THE PLANS AND CALCULATIONS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND.
2. PICK WEIGHTS USED FOR ERECTION OF BEAMS AND SIZING OF CRANES SHALL INCLUDE A SAFETY FACTOR OF 1.25. BEAM WEIGHTS USED IN LIFTING CALCULATIONS SHALL BE BASED ON APPROVED SHOP DRAWINGS.
3. THE PLACEMENT OF THE CRANES AND DELIVERY VEHICLE SHALL BE SITUATED TO AVOID EXCESSIVE SURCHARGES ON THE EXISTING UTILITIES AND BRIDGE. THE CONTRACTOR SHALL CONSIDER UTILITIES IN THE ERECTION PLAN SUBMITTAL.

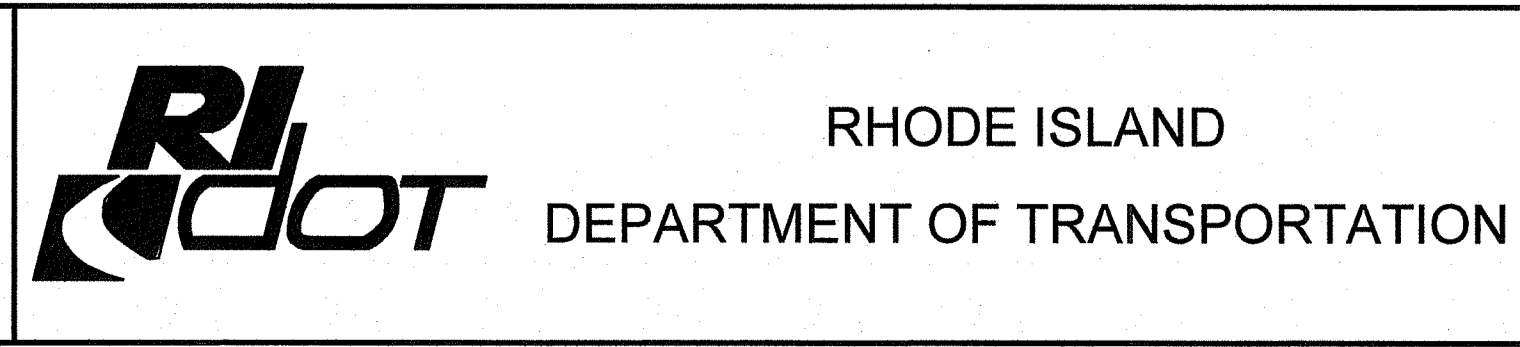
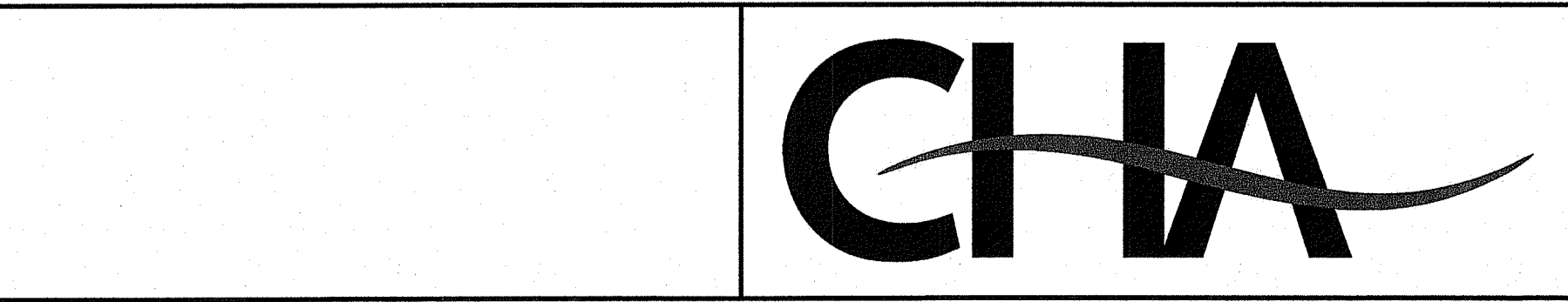
NOTE:

1. SEE CONSTRUCTION STAGE 1-DEMOLITION SHEET FOR SUGGESTED SEQUENCE OF CONSTRUCTION AND GENERAL STAGING NOTES.
2. POTENTIAL LOCATION AND SIZE OF THE CONCRETE WASHOUT AREAS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT THE SIZE AND LOCATION OF THE CONCRETE WASHOUT AREAS TO THE ENGINEER FOR APPROVAL.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 14 2023 FILE # 22-0472
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Senack

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FRESHWATER WETLANDS PROGRAM
NOTE PER DEM:
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DATE: 01-12-2023

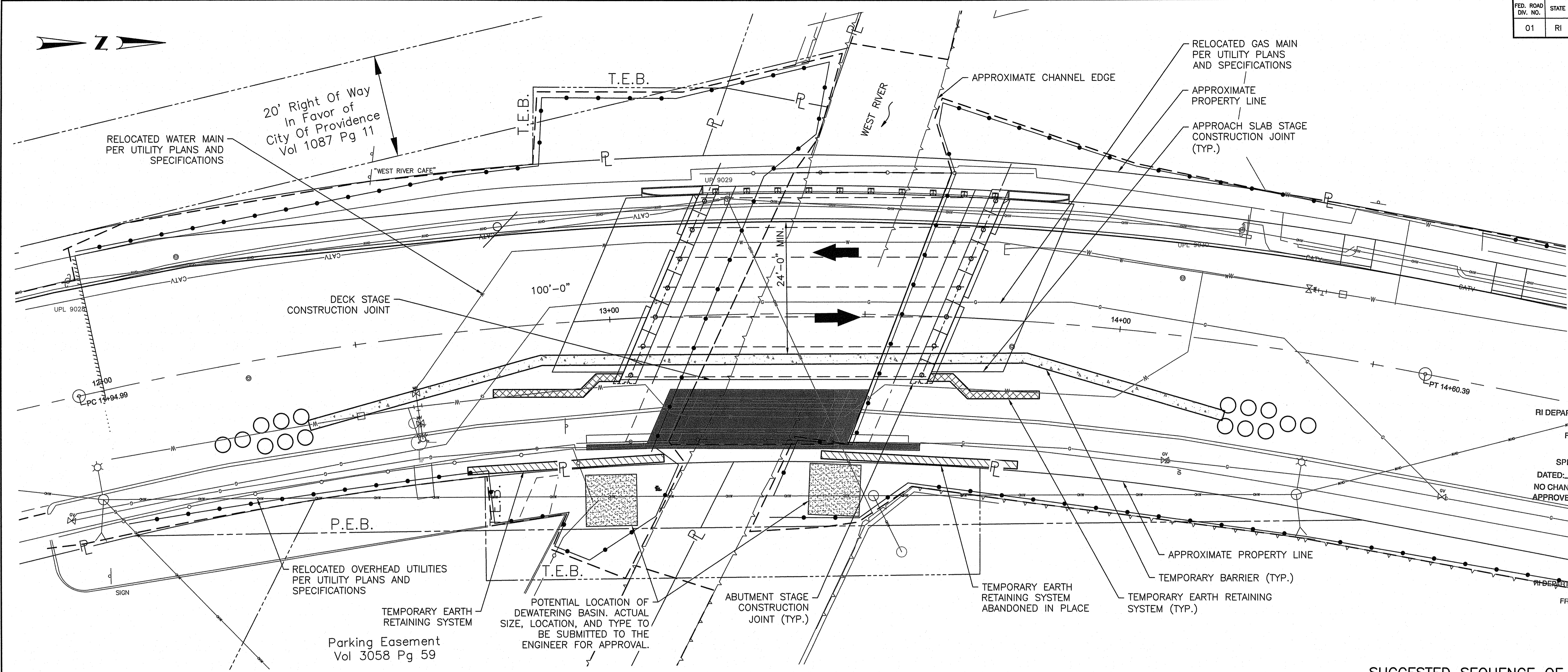
SHEET: 16

OF: 24

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 2023-CB-004 VOLUME: 1 RHODE ISLAND
CONSTRUCTION STAGE 1-ERECTION



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED: **APR 04 2023** FILE # **23-0472**
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Martin D. Semek

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 FRESHWATER WETLANDS PROGRAM
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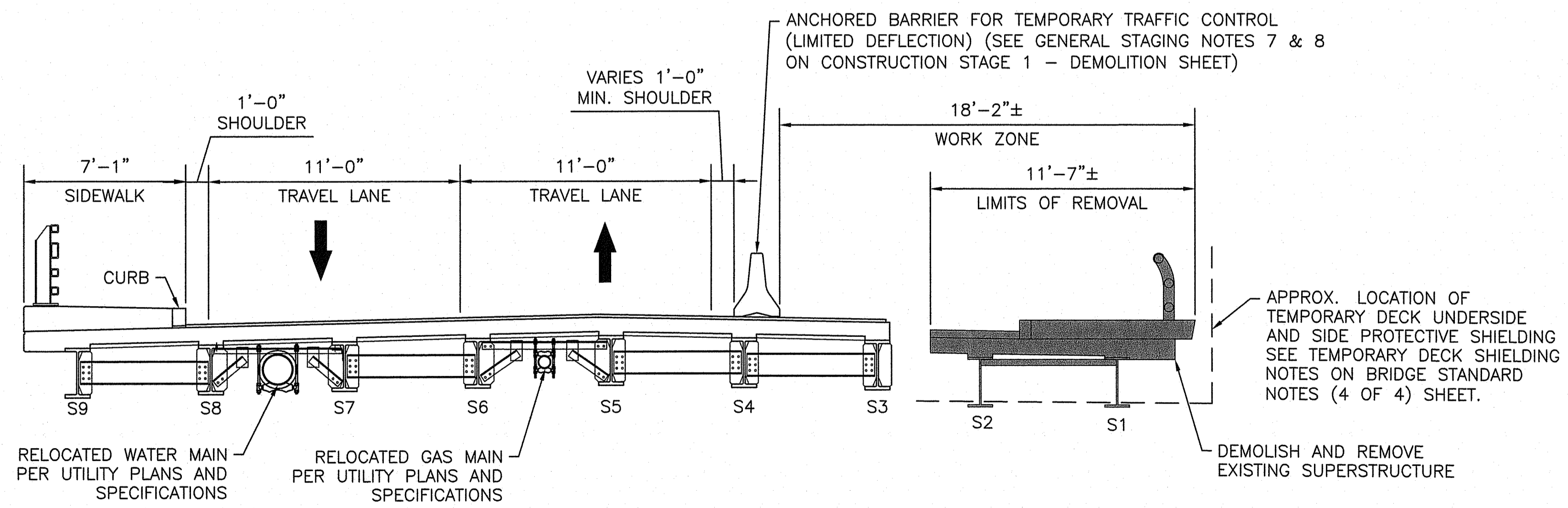
STAGE 2 - DEMOLITION PLAN
 SCALE: 1" = 10'

GENERAL STAGING NOTES:
 1. SEE CONSTRUCTION STAGE 1-DEMOLITION SHEET FOR NOTES.

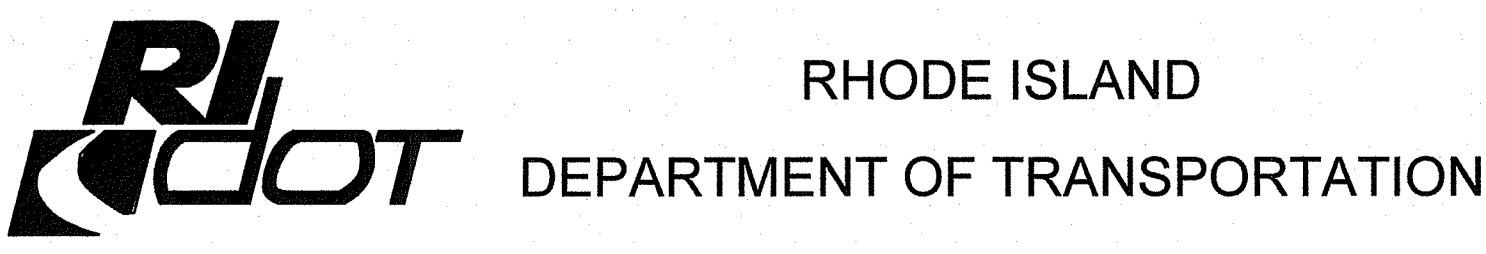
SUGGESTED SEQUENCE OF CONSTRUCTION:

1. ESTABLISH TEMPORARY TRAFFIC CONTROL FOR STAGE 2 CONSTRUCTION.
2. INSTALL PROTECTIVE SHIELDING WITHIN STAGE 2 LIMITS, REMOVE SUPERSTRUCTURE (TEMPORARY BARRIERS, BRIDGE RAILINGS, SIDEWALK, DECK, GIRDERS, AND BEARINGS).
3. REMOVE APPROACH SLAB IF PRESENT.
4. INSTALL TEMPORARY EARTH RETAINING SYSTEMS.
5. PARTIALLY REMOVE AND DISPOSE OF ABUTMENTS TO STAGE 2 LIMITS AND DEMOLITION LIMITS SHOWN IN PLANS. SEE GENERAL STAGING NOTE 11.
6. CONSTRUCT STAGE 2 PILES, ABUTMENTS TO BRIDGE SEAT, RIPRAP, WINGWALLS, GUARDRAIL TRANSITION END POSTS, AND DRAINAGE.
7. SET GIRDERS S-2 AND S-1.
8. CONSTRUCT STAGE 2 DECK, INTEGRAL BACKWALLS, APPROACH SLABS, SIDEWALK, AND BRIDGE RAILINGS; FORMATION OF SUBGRADE.
9. INSTALL SUBBASE AND BASE PAVEMENT LEVEL.
10. INSTALL PAVEMENT SECTION; INSTALL SURFACE PAVEMENT LEVEL CURB-TO-CURB.
11. INSTALL PAVEMENT MARKINGS, SIGNAGE, TURF ESTABLISHMENT, AND REMAINING ROADWAY APPURTENANCES.
12. REMOVE SEDIMENTATION CONTROL SYSTEMS.
13. PERFORM FINAL SITE CLEANUP.

- LEGEND:**
- TEMPORARY EARTH RETAINING SYSTEM
 - TEMPORARY EARTH RETAINING SYSTEM ABANDONED IN PLACE
 - LIMITS OF DEMOLITION
 - TEMPORARY TRAFFIC BARRIER (SEE TRAFFIC PLANS FOR MORE INFORMATION)
 - TEMPORARY CONSTRUCTION FENCE
 - PROPERTY LINE
 - P.E.B. PERMANENT EASEMENT LINE
 - T.E.B. TEMPORARY EASEMENT LINE



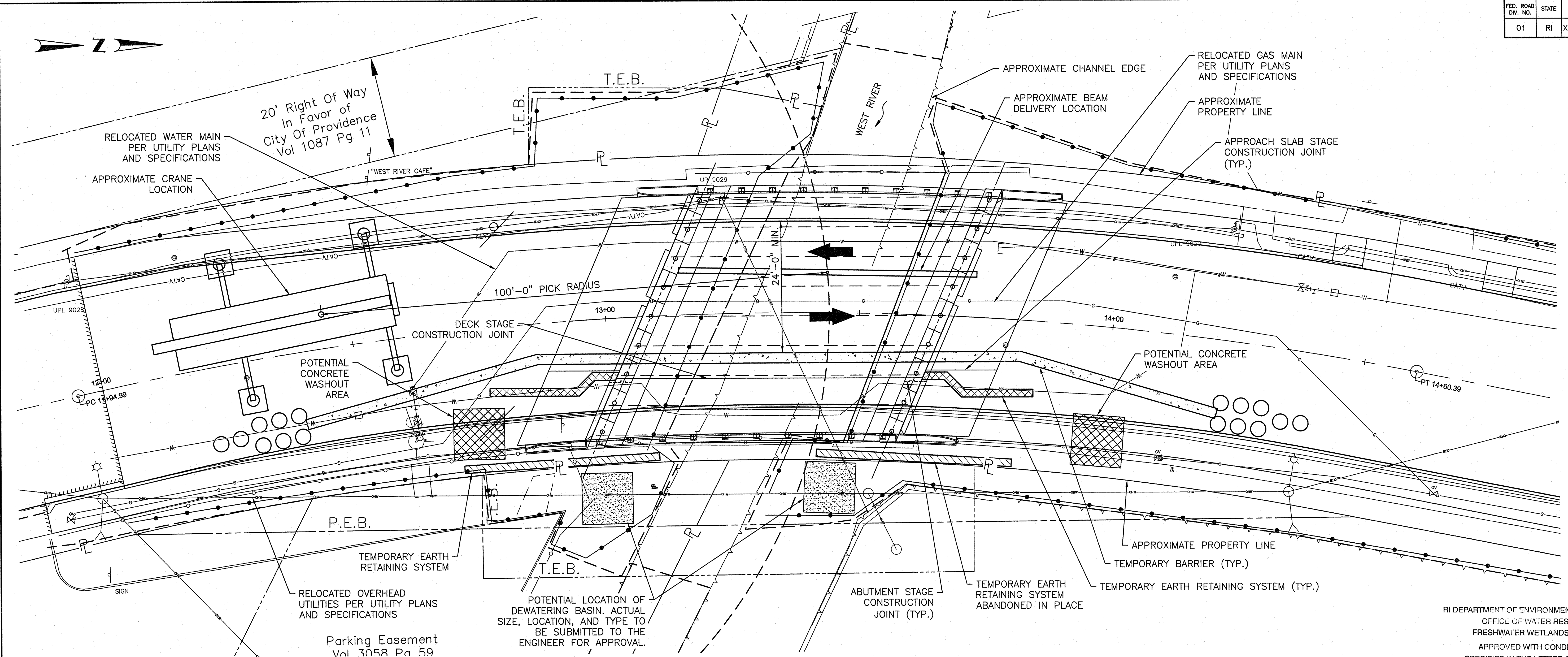
STAGE 2 - DEMOLITION SECTION
 SCALE: 1/2" = 1'



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 DATE: 01-12-2023
 SHEET: 17
 OF: 24

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SCALE: AS NOTED
 BRIDGE GROUP 13E
 WEST RIVER ST. BRIDGE NO. 088351
 PROVIDENCE CONTRACT: 2023-CB-004 VOLUME: 1 RHODE ISLAND
CONSTRUCTION STAGE 2-DEMOLITION



STAGE 2 - ERECTION PLAN
SCALE: 1" = 10'

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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
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NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenczek

CRANE AND ERECTION NOTES:

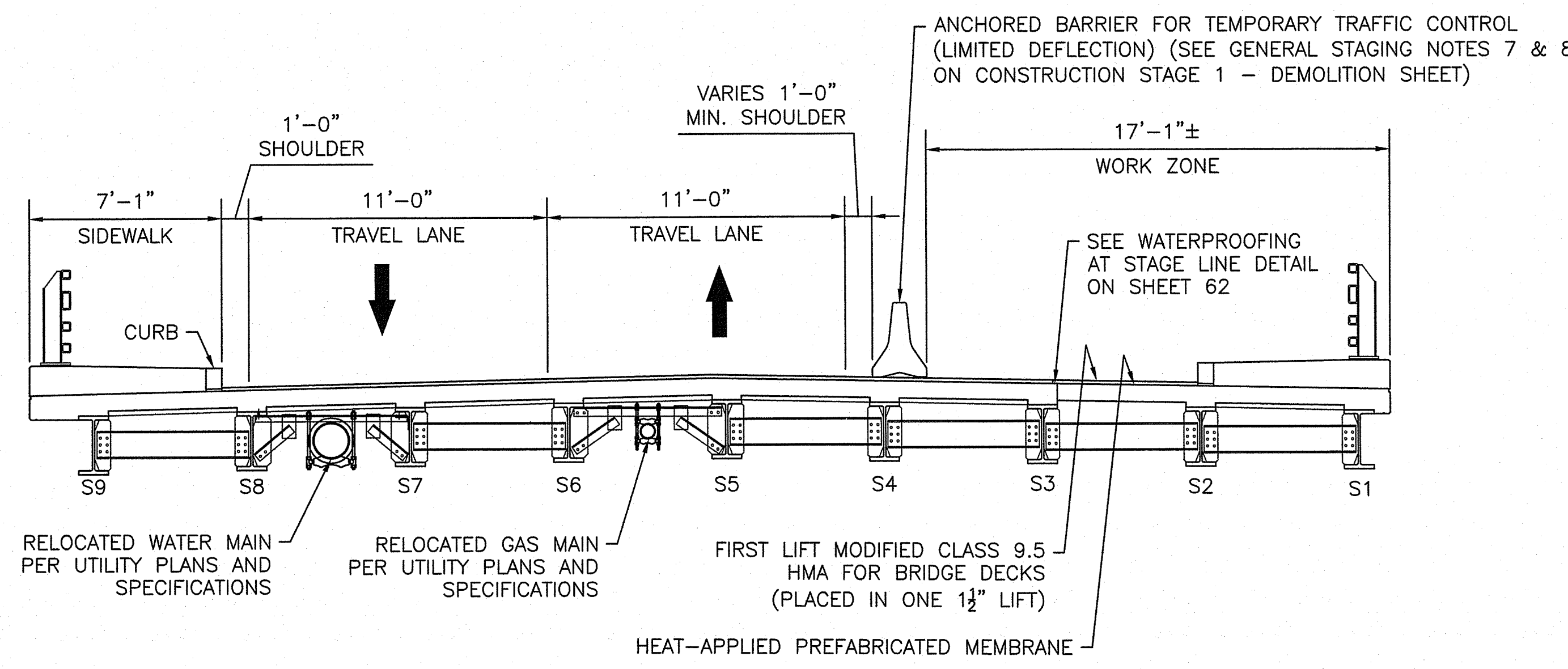
- SEE CONSTRUCTION STAGE 1-ERECTION SHEET FOR NOTES.
- THE ROADWAY MUST BE TEMPORARILY SHUT DOWN DURING ERECTION OF THE STAGE 2 BEAMS DUE TO SPACE LIMITATIONS WITHIN THE STAGE 2 WORK AREA.

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NOTES:

- SEE CONSTRUCTION STAGE 2-DEMOLITION FOR SUGGESTED SEQUENCE OF CONSTRUCTION AND GENERAL STAGING NOTES.
- POTENTIAL LOCATION AND SIZE OF THE CONCRETE WASHOUT AREAS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT THE SIZE AND LOCATION OF THE CONCRETE WASHOUT AREAS TO THE ENGINEER FOR APPROVAL.



STAGE 2 - ERECTION SECTION
SCALE: 1/2" = 1'

LEGEND:

- TEMPORARY EARTH RETAINING SYSTEM
- TEMPORARY EARTH RETAINING SYSTEM ABANDONED IN PLACE
- TEMPORARY TRAFFIC BARRIER (SEE TRAFFIC PLANS FOR MORE INFORMATION)
- TEMPORARY CONSTRUCTION FENCE
- PROPERTY LINE
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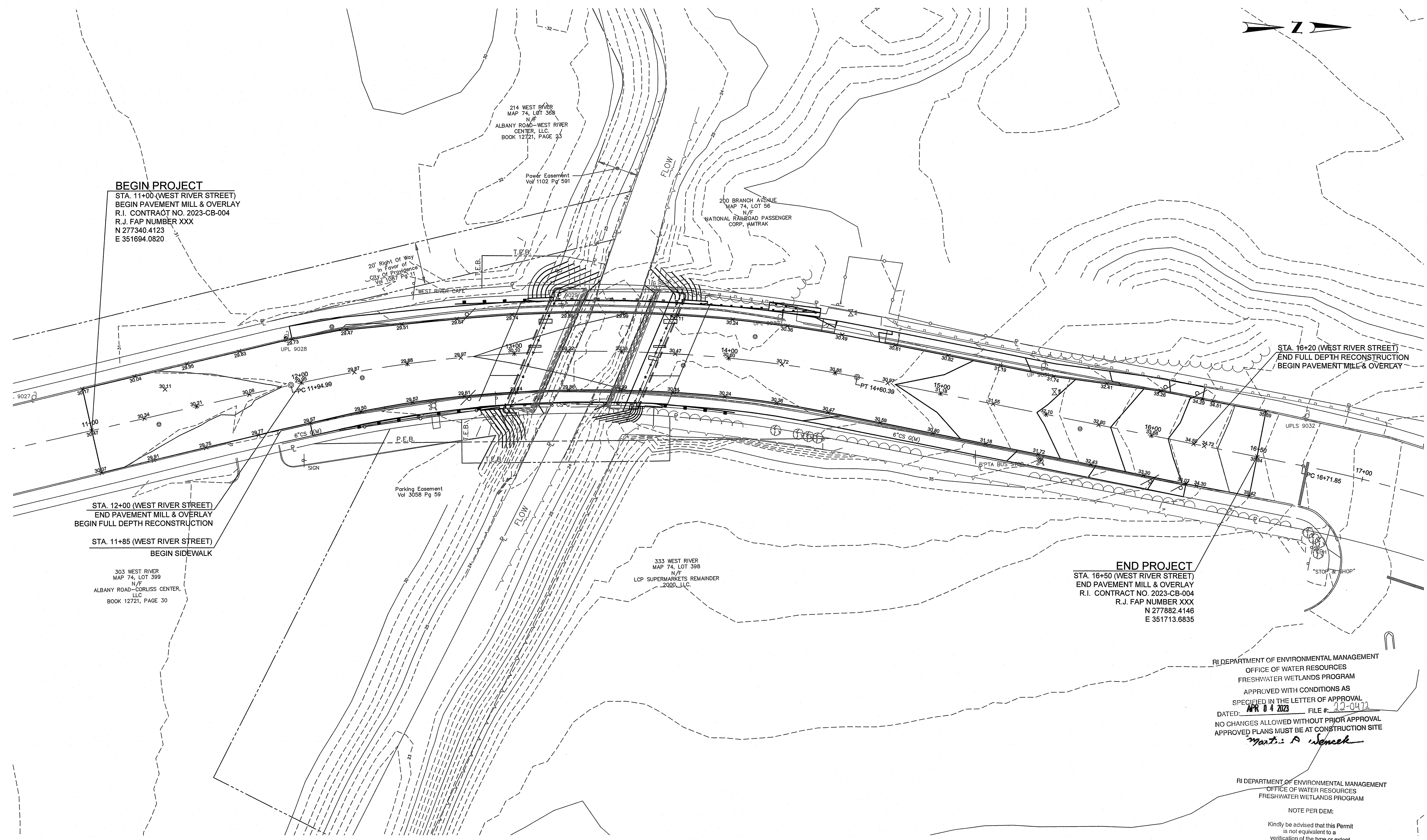
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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SHEET: 18
OF: 24

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 2023-CB-004 VOLUME: 1 RHODE ISLAND
CONSTRUCTION STAGE 2-ERECTION



BEGIN PROJECT
 STA. 11+00 (WEST RIVER STREET)
 END PAVEMENT MILL & OVERLAY
 BEGIN FULL DEPTH RECONSTRUCTION
 R.I. CONTRACT NO. 2023-CB-004
 R.J. FAP NUMBER XXX
 N 277340.4123
 E 351694.0820

STA. 12+00 (WEST RIVER STREET)
 END PAVEMENT MILL & OVERLAY
 BEGIN FULL DEPTH RECONSTRUCTION

STA. 11+85 (WEST RIVER STREET)
 BEGIN SIDEWALK

303 WEST RIVER
 MAP 74, LOT 399
 N/F
 ALBANY ROAD-CORLISS CENTER, LLC
 BOOK 12721, PAGE 30

END PROJECT
 STA. 16+50 (WEST RIVER STREET)
 END PAVEMENT MILL & OVERLAY
 R.I. CONTRACT NO. 2023-CB-004
 R.J. FAP NUMBER XXX
 N 277882.4146
 E 351713.6835

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 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: APR 04 2023 FILE #: 22-042
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Maria A. Wenczek

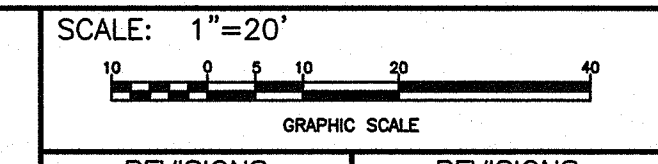
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:
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RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

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 DATE: 01-12-2023
 SHEET: 19
 OF: 24

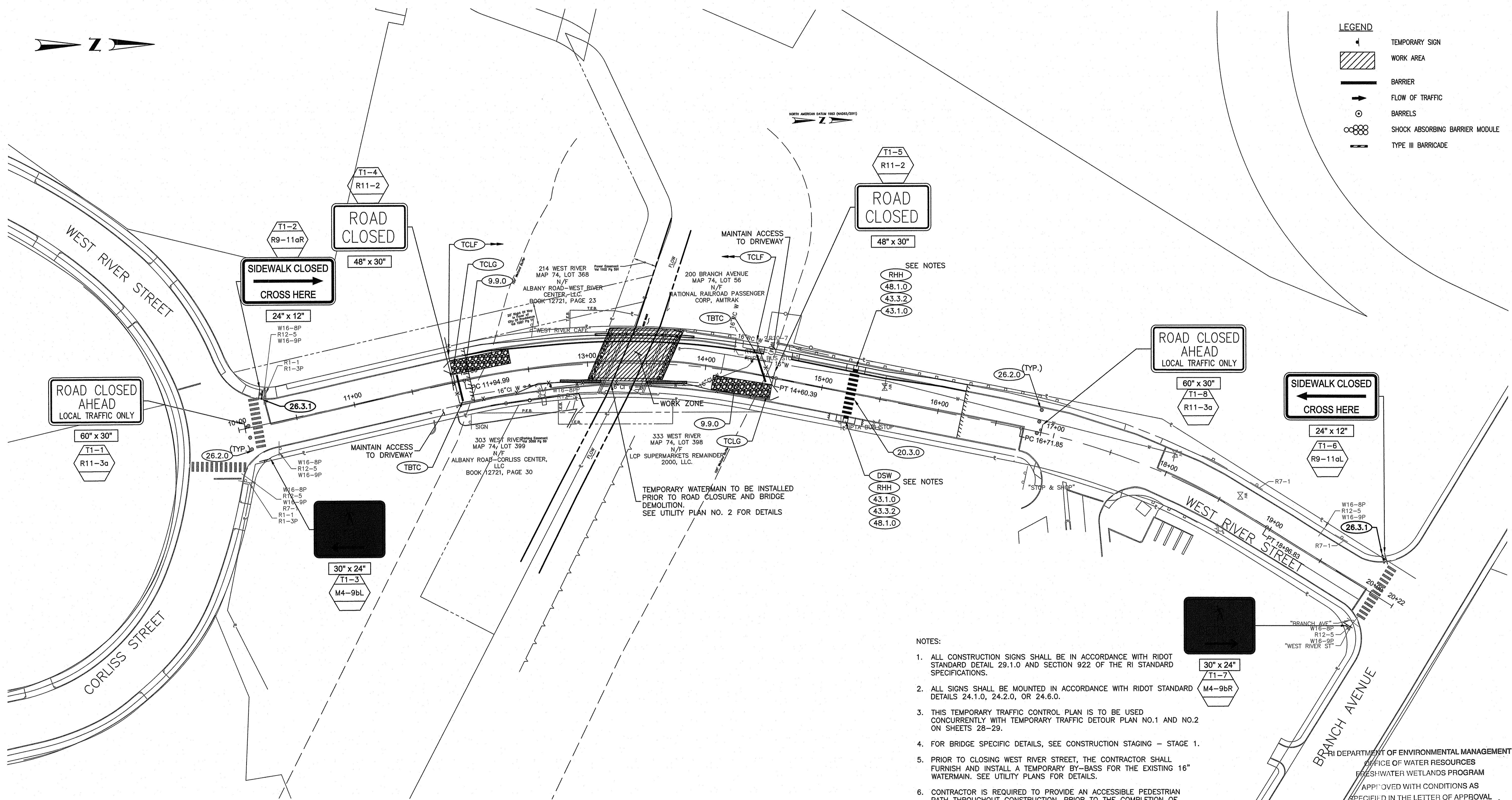


REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
 WEST RIVER ST. BRIDGE NO. 088351
 PROVIDENCE CONTRACT: 00 VOLUME: 1 RHODE ISLAND
 GRADING PLAN NO. 1
 JAN 13 2023

LEGEND

- TEMPORARY SIGN
- WORK AREA
- BARRIER
- FLOW OF TRAFFIC
- BARRELS
- SHOCK ABSORBING BARRIER MODULE
- TYPE III BARRICADE



STAGE 1 - TEMPORARY TRAFFIC CONTROL

- NOTES:**
- ALL CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH RIDOT STANDARD DETAIL 29.1.0 AND SECTION 922 OF THE RI STANDARD SPECIFICATIONS.
 - ALL SIGNS SHALL BE MOUNTED IN ACCORDANCE WITH RIDOT STANDARD DETAILS 24.1.0, 24.2.0, OR 24.6.0.
 - THIS TEMPORARY TRAFFIC CONTROL PLAN IS TO BE USED CONCURRENTLY WITH TEMPORARY TRAFFIC DETOUR PLAN NO.1 AND NO.2 ON SHEETS 28-29.
 - FOR BRIDGE SPECIFIC DETAILS, SEE CONSTRUCTION STAGING - STAGE 1.
 - PRIOR TO CLOSING WEST RIVER STREET, THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY BY-BASS FOR THE EXISTING 16" WATERMAIN. SEE UTILITY PLANS FOR DETAILS.
 - CONTRACTOR IS REQUIRED TO PROVIDE AN ACCESSIBLE PEDESTRIAN PATH THROUGHOUT CONSTRUCTION. PRIOR TO THE COMPLETION OF STAGE 1 AND BEGINNING OF STAGE 2, THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY CROSSWALK, COMPLETE WITH ACCESSIBLE RAMPS AS SHOWN.
 - RAMP TRANSITIONS SHALL BE PROVIDED. EXISTING CURB SHALL BE REMOVED AND RESET TO FORM RAMP TRANSITION CURBS. THIS WORK SHALL BE PAID UNDER ITEM CODE 906.0700, REMOVE, HANDLE, HAUL TRIM RESET CURB EDGING, STRAIGHT, CIRCULAR ALL TYPES.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 DATED: APR 04 2023 FILE #: 22-0473
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Martin D. Senneker
 RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

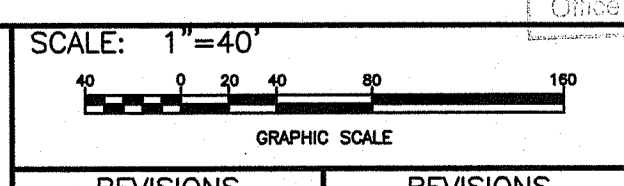
Environmental Management
 JAN 13 2023
 Office of Water Resources

NOTE PER DEM:
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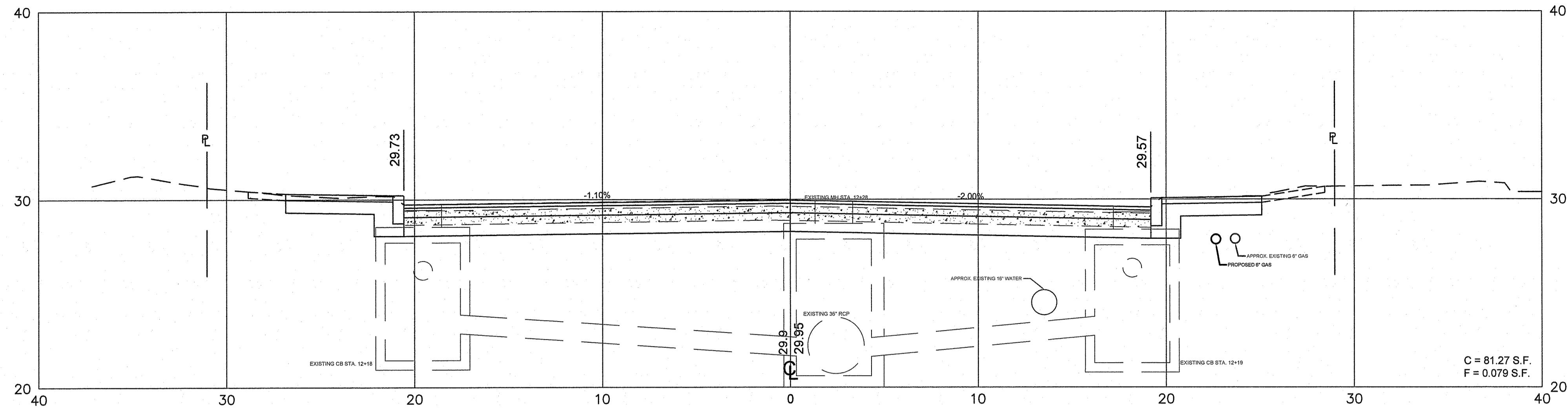
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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 DATE: 01-12-2023
 SHEET: 20
 OF: 24

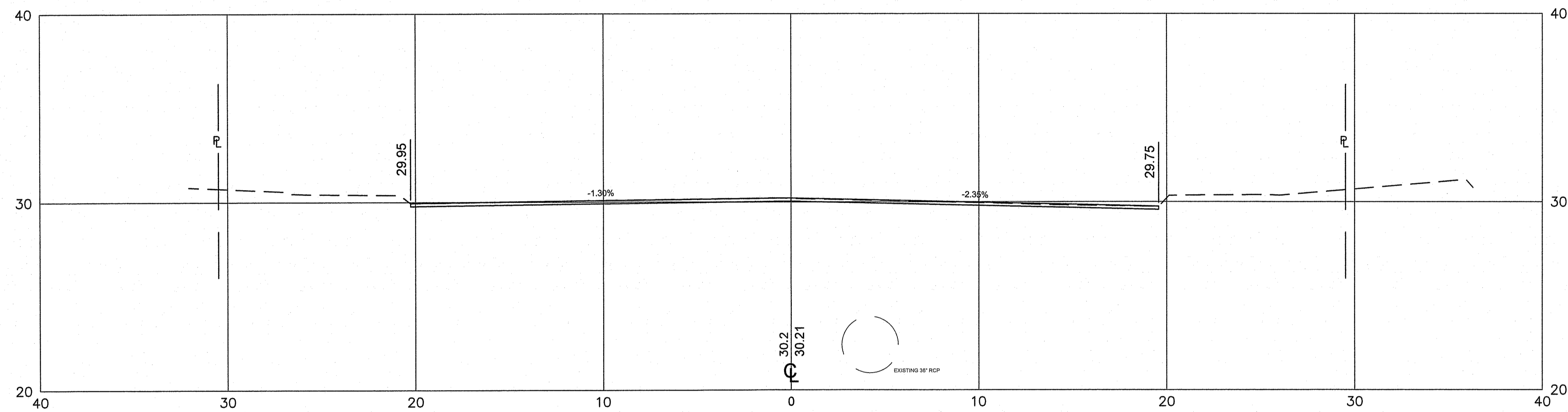


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NO.	DATE	BY	NO.	DATE	BY

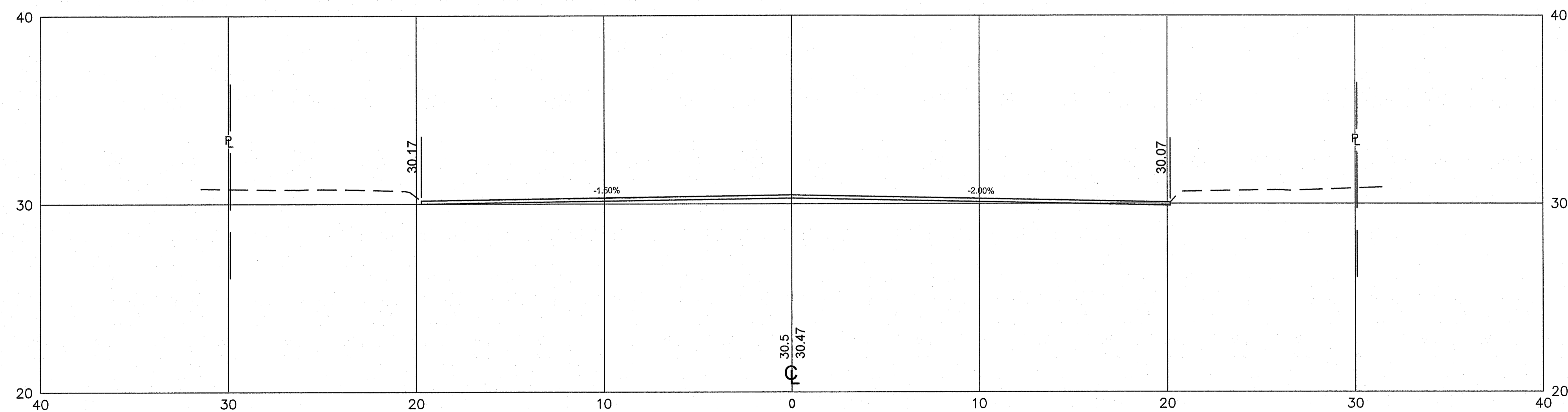
BRIDGE GROUP #1
 WEST RIVER ST. BRIDGE NO. 088351
 PROVIDENCE CONTRACT: 00 VOLUME: 1 RHODE ISLAND
 TEMPORARY TRAFFIC CONTROL PLAN 1



12+00
END PAVEMENT MILL & OVERLAY
BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION



11+50



11+00
BEGIN PAVEMENT MILL & OVERLAY

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Martin D. Wenczek

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

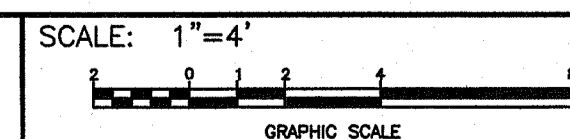
NOTE PER DEM:

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DEPARTMENT OF TRANSPORTATION

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DATE: 01-12-2023
SHEET: 21
OF: 24



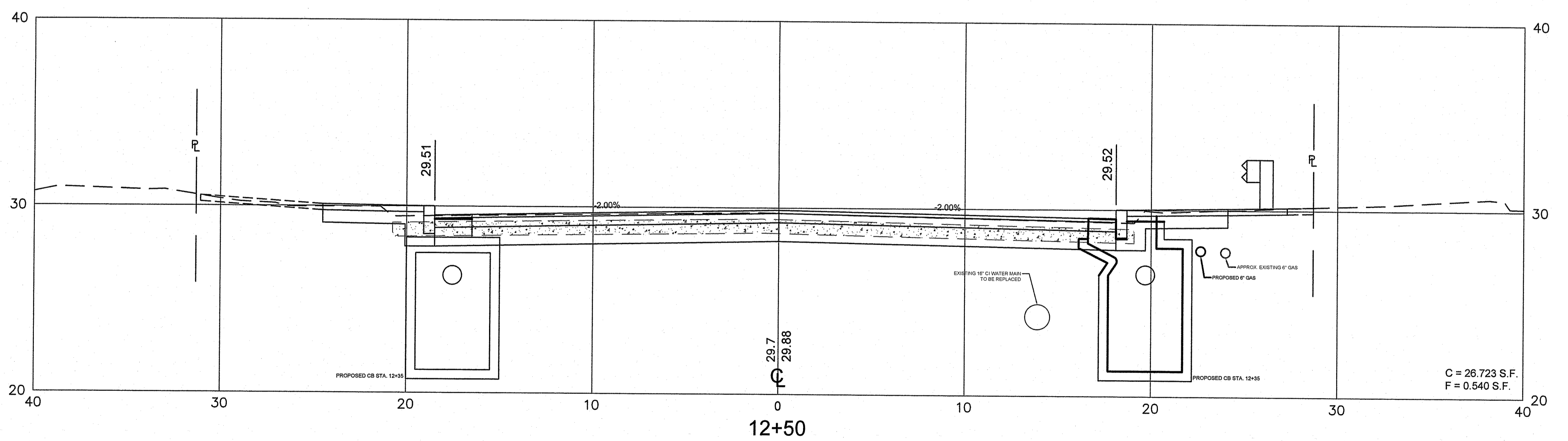
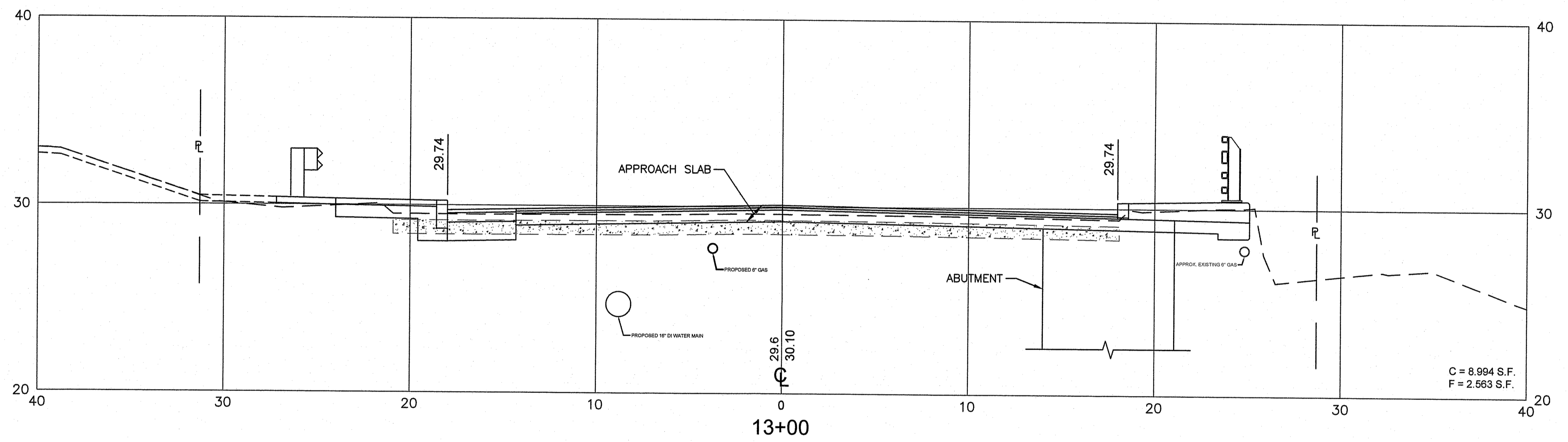
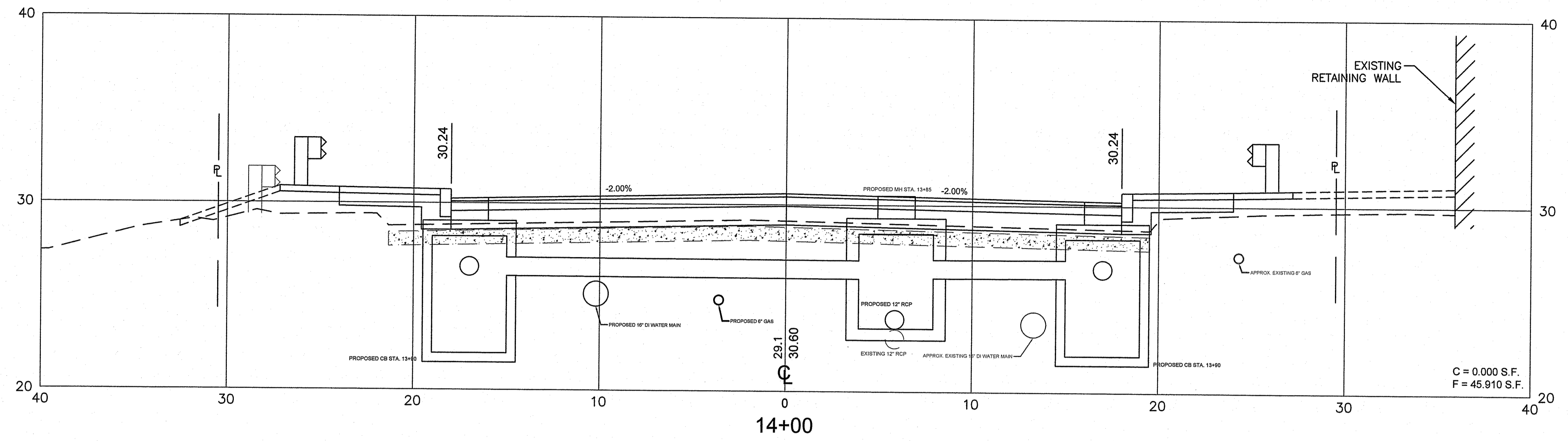
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1 RHODE ISLAND

CROSS SECTION NO. 1

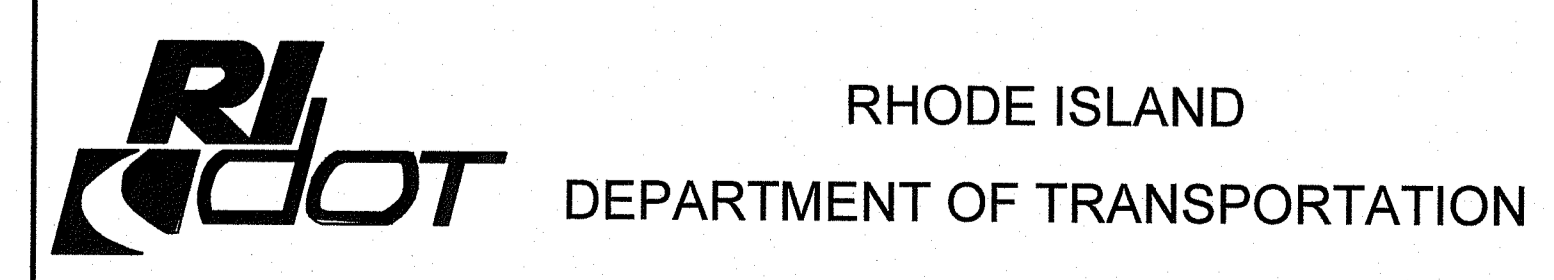
JAN 13 2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	22	24



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Martin D. Senczek

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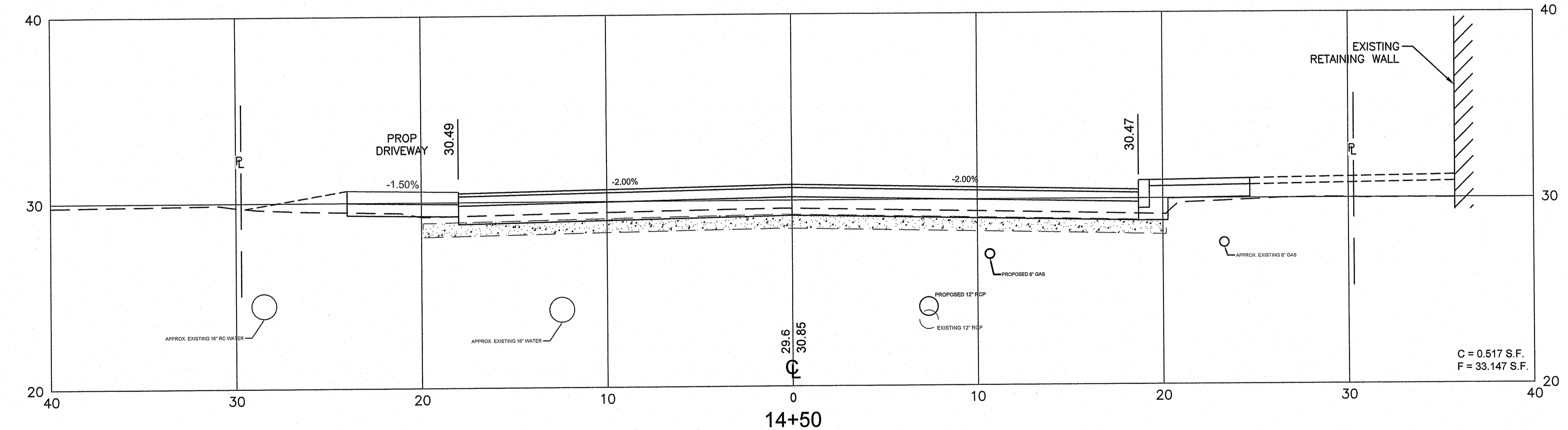
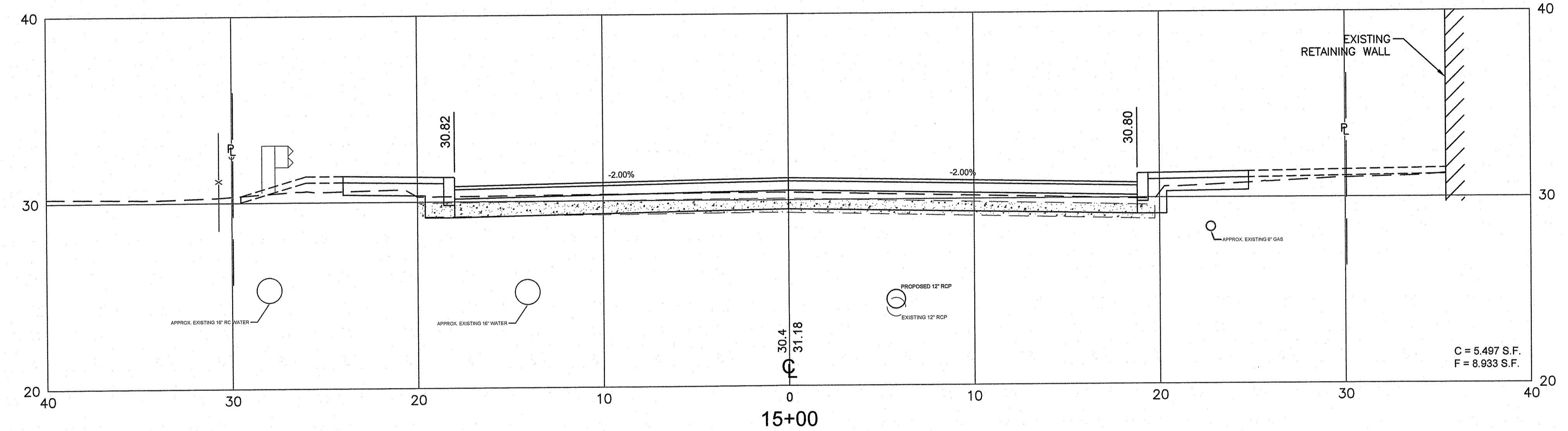
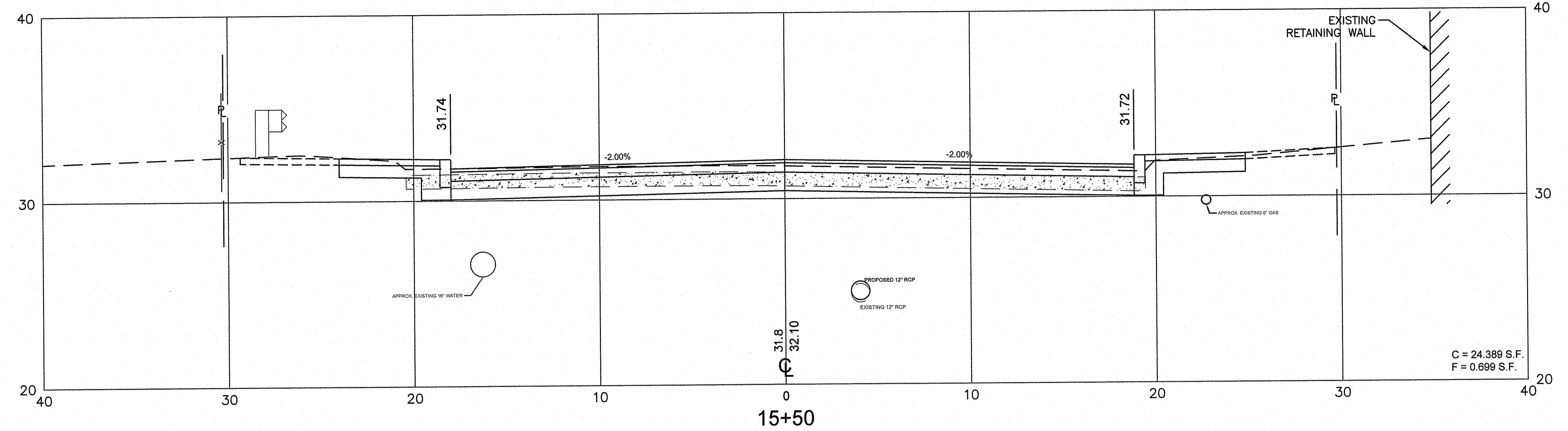
DESIGNED BY:
CHECKED BY:
DATE: 01-12-2023
SHEET: 22
OF: 24

SCALE: 1"=4'

REVISIONS				REVISIONS			
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1
CROSS SECTION NO.2
JAN 13 2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	23	24

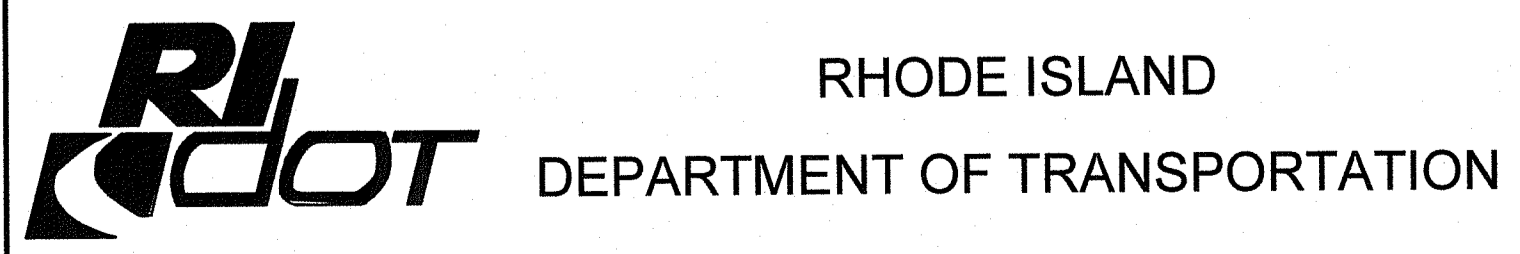
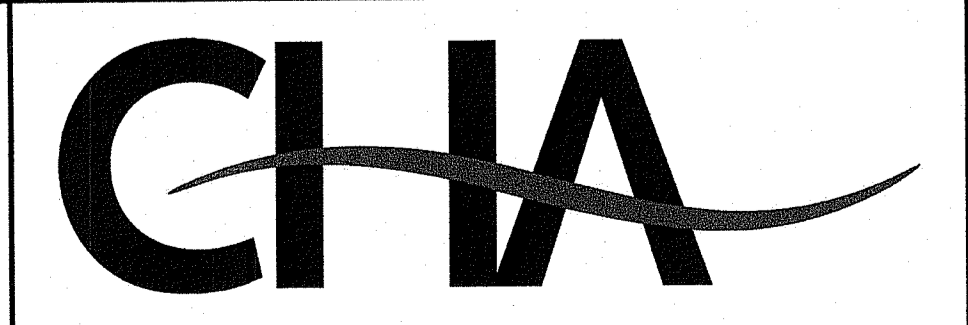


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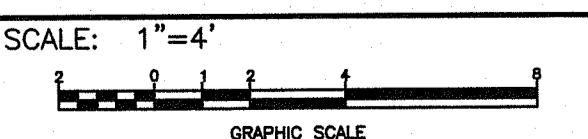
Martin D. Wenzel

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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

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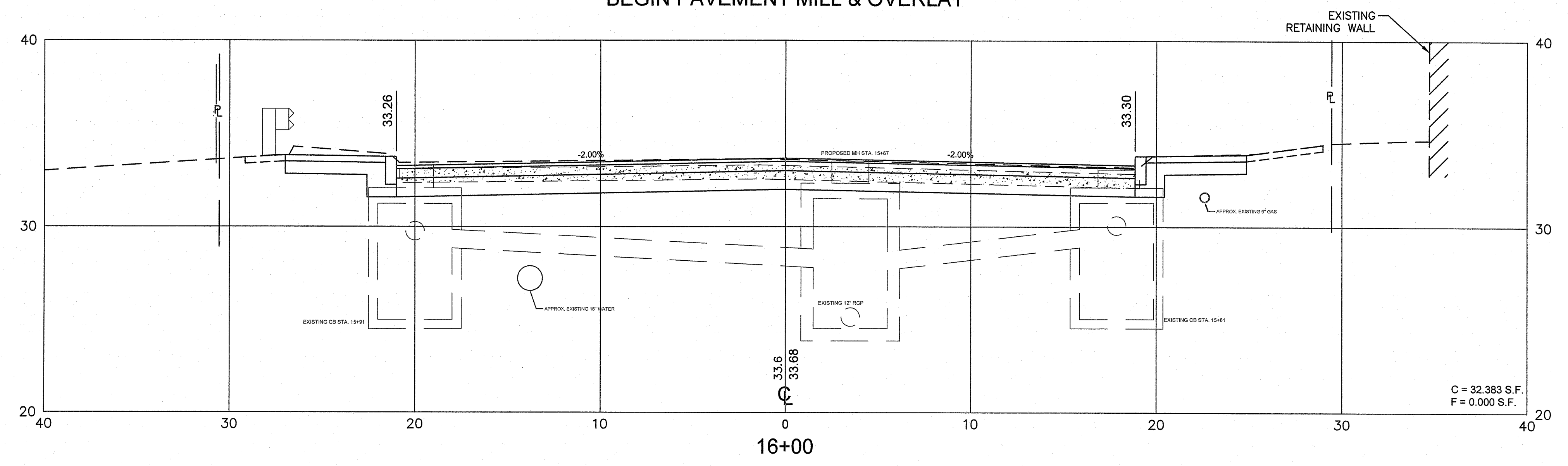
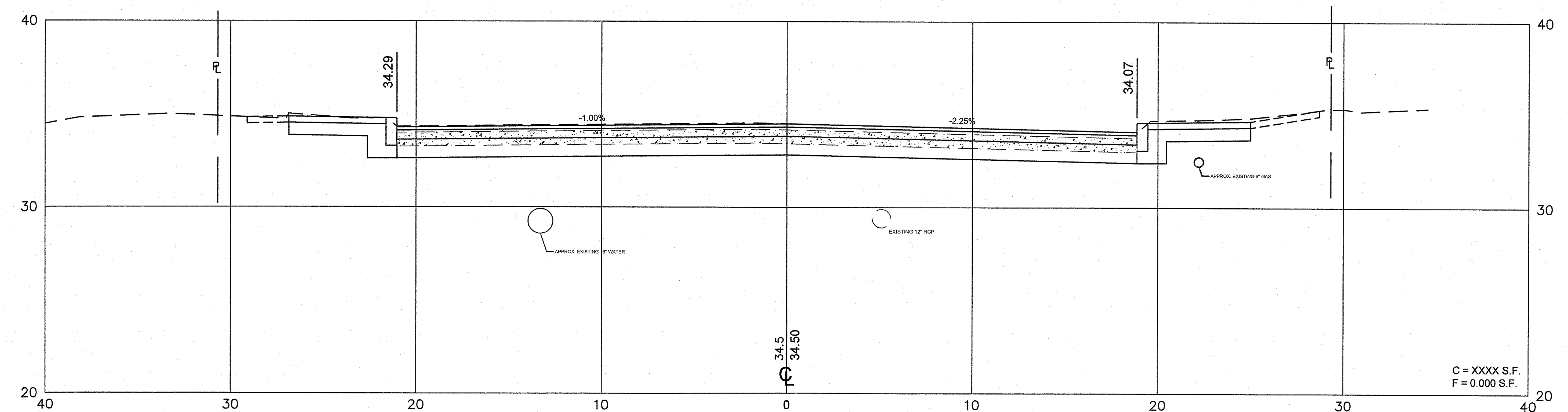
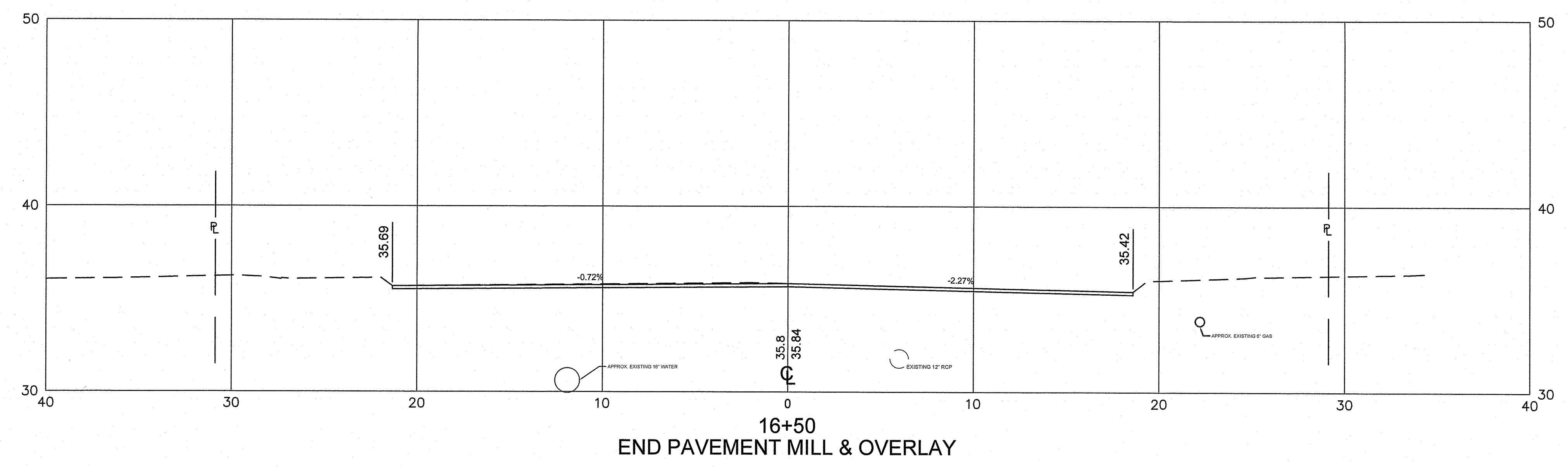
DESIGNED BY:
CHECKED BY:
DATE: 01-12-2023
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OF: 24



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NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
PROVIDENCE CONTRACT: 00 VOLUME: 1
CROSS SECTION NO. 3
JAN 13 2023
Office of Water Resources

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
01	RI	XXX-XXXX(XXX)	2022	24	24

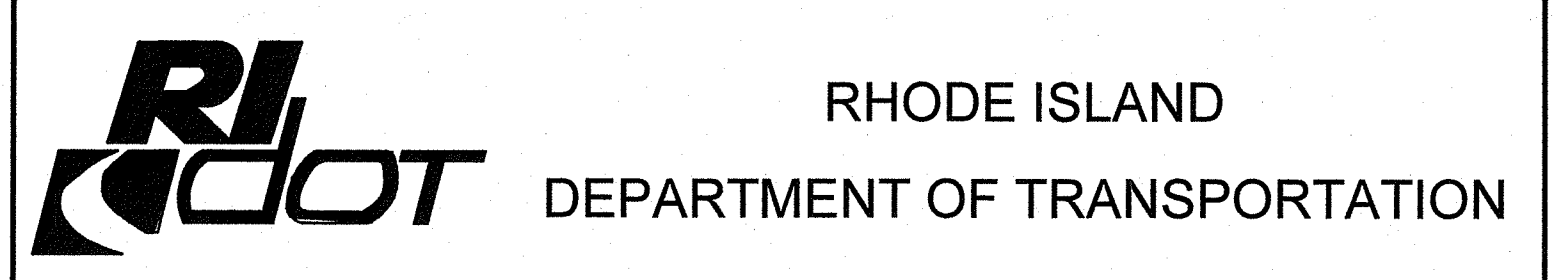
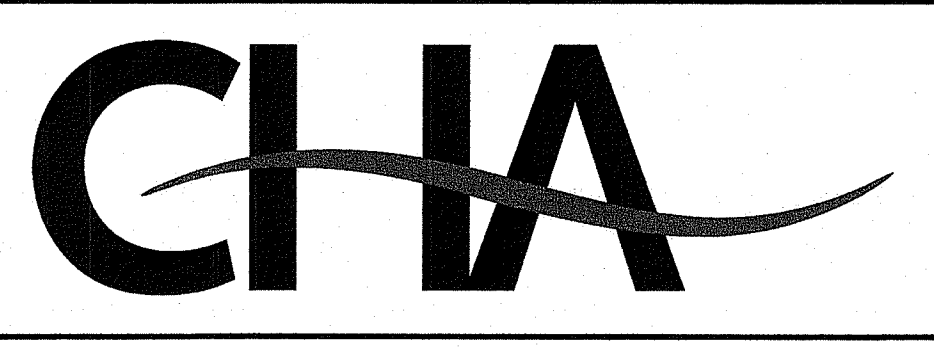


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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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CHECKED BY:
DATE: 01-12-2023
SHEET: 24
OF: 24

SCALE: 1"=4'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 13E
WEST RIVER ST. BRIDGE NO. 088351
CONTRACT: 00 VOLUME: 1
CROSS SECTION NO. 4

PROVIDENCE

JAN 13 2023