

4.4.0 6.3.2 7.3.8  
 STA. 203+24, 24.5' LT.  
 RIM=138.09  
 INV.(OUT)=134.09

4.4.0 6.3.2 7.3.8  
 STA. 203+91, 30.5' LT.  
 RIM=137.62  
 INV.(N)=133.47  
 INV.(OUT)=133.37

4.4.0 6.3.2  
 STA. 203+72, 25.2' LT.  
 RIM=137.58  
 INV.(N)=133.75  
 INV.(OUT)=133.65

4.4.0 6.3.2  
 STA. 204+90, 72' LT.  
 RIM=136.25  
 INV.=132.75 (4"UD)  
 INV.=132.75 (12" RCP)  
 INV.(OUT)=131.4±(EXIST.)

4.4.0 6.3.2 7.3.8  
 STA. 203+66, 13.2' RT.  
 RIM=137.82  
 INV.=134.29

INV=133.00  
 4' - 4" UD  
 S=0.003'/FT  
 INV=132.95  
 4' - 4" UD  
 S=0.011'/FT  
 INV=133.0

4.4.0 6.3.2 7.3.8 BPS  
 STA. 205+67, 13.1' LT.  
 RIM=138.04  
 INV.=135.77

CAUTION 12" STEEL GAS 300'± 2' DEEP (SEE NOTE 1)

4.2.0 6.2.1 TEP  
 STA. 205+53, 16.0' RT.  
 RIM=138.03  
 INV.(W)=135.38  
 INV.(S)=135.48  
 INV.(N)=135.48  
 INV.(OUT)=135.28

4.4.0 6.3.2 7.3.8  
 STA. 205+23, 32.5' RT.  
 RIM=138.21  
 INV.=135.32

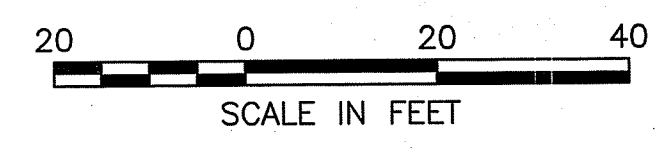
4.4.0 6.3.2 7.3.8  
 STA. 354+44, 21.2' LT.  
 RIM=134.90  
 INV.=127.25

4.4.0 6.3.2 7.3.8  
 STA. 354+93, 16.9' RT.  
 RIM=136.20  
 INV.=132.07

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUL 23 2019 FILE # 16-0299  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Matthew D. Aronow*  
 Environmental Management  
 JUN 4 2019  
 Office of Water Resources

- NOTES:
1. CAUTION: CRITICAL MAIN 12" STEEL GAS LINE, 300'± 2' DEEP (SEE PLANS)
  2. RELAY 12" CI GAS WITH 12" STEEL BEFORE THE START OF PROJECT (BY OTHERS)
  3. THE ITEM "REMOVAL OF TRAFFIC SIGNAL EQUIPMENT" SHALL INCLUDE THE FOLLOWING MAJOR ITEMS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR ITEM CODE 945.9901:  
 (1) LOCAL TRAFFIC SIGNAL CONTROLLER, (1) GROUND MOUNTED CABINET/FOUNDATION AND ASSOCIATED EQUIPMENT, (6) TRAFFIC SIGNAL HEADS, (4) PEDESTRIAN SIGNAL HEADS, (4) PEDESTRIAN PUSHBUTTONS WITH SIGNS, (1) PEDESTAL POLE AND FOUNDATION, (3) TRAFFIC SIGNAL MAST ARM POLES AND FOUNDATIONS. MISCELLANEOUS CABLE, WIRING, HANDHOLES, CONDUIT, ETC. SHALL BE REMOVED AND LEGALLY DISPOSED OF IN ACCORDANCE WITH SPECIAL PROVISION FOR ITEM CODE 945.9901.



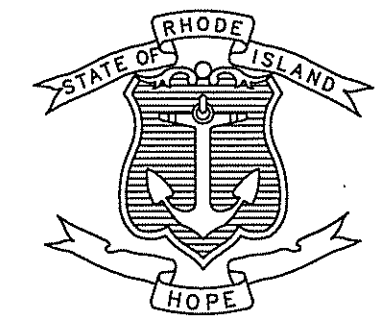
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	5/2018	VHB	BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET,	RHODE ISLAND
			DRAINAGE & UTILITY PLAN NO. 5	
			CHECKED BY _____	DATE _____ SCALE _____

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI		2016	1	39

**INDEX**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3-4	STANDARD NOTES 1 AND 2
5	JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES
6-8	TYPICAL SECTIONS 1-3
9-15	GENERAL PLAN & PROFILE NOS. 1-7
	<del>LOCATION PLAN NOS. 1-7</del>
	<del>SIGNING &amp; STRIPING PLAN NOS. 1-7</del>
16-22	DRAINAGE & UTILITY PLAN NOS. 1-7
23	GRADING PLAN
24-27	DETAIL PLAN PLAN NOS. 1-4
	<del>PROFILE PLAN NOS. 1-5</del>
28-39	CROSS SECTIONS

STATE OF RHODE ISLAND



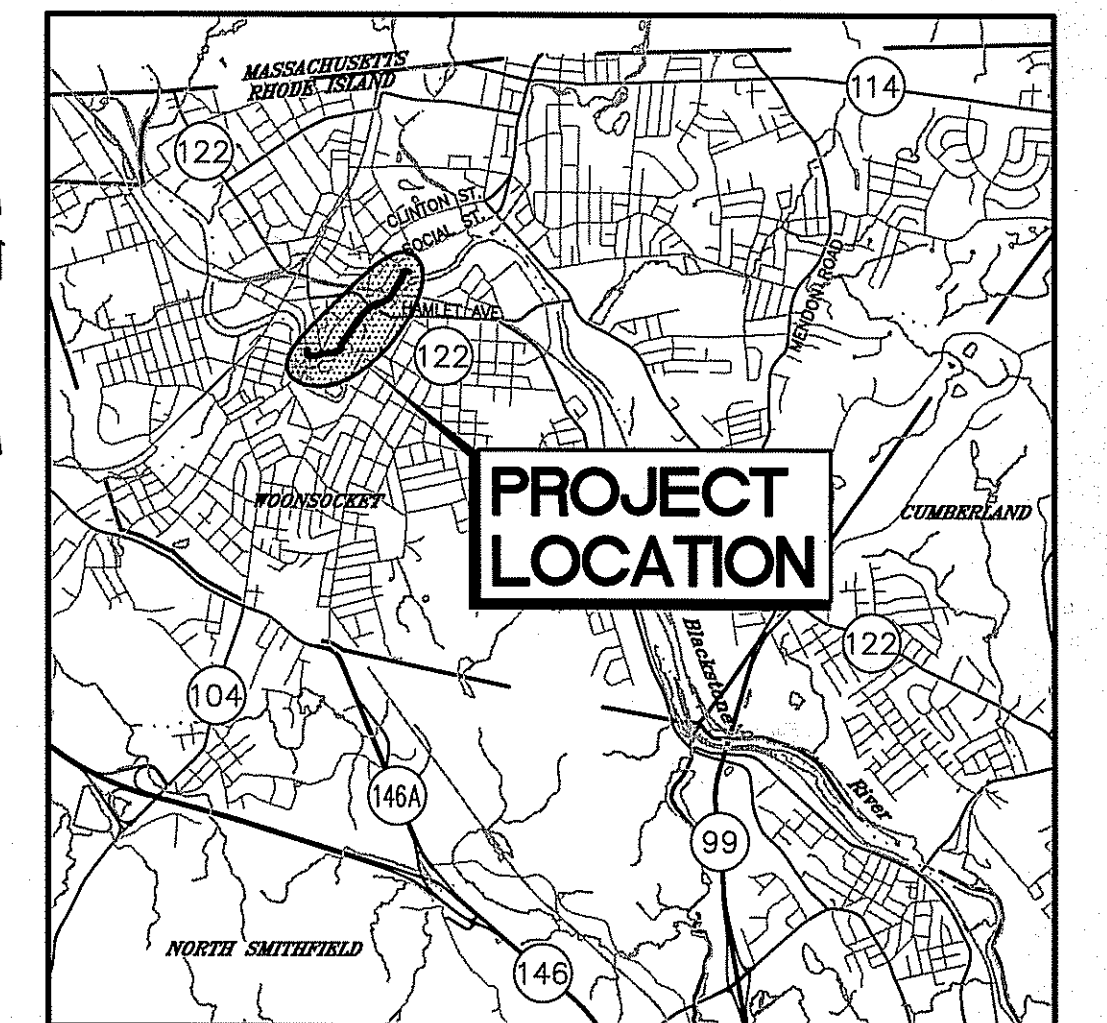
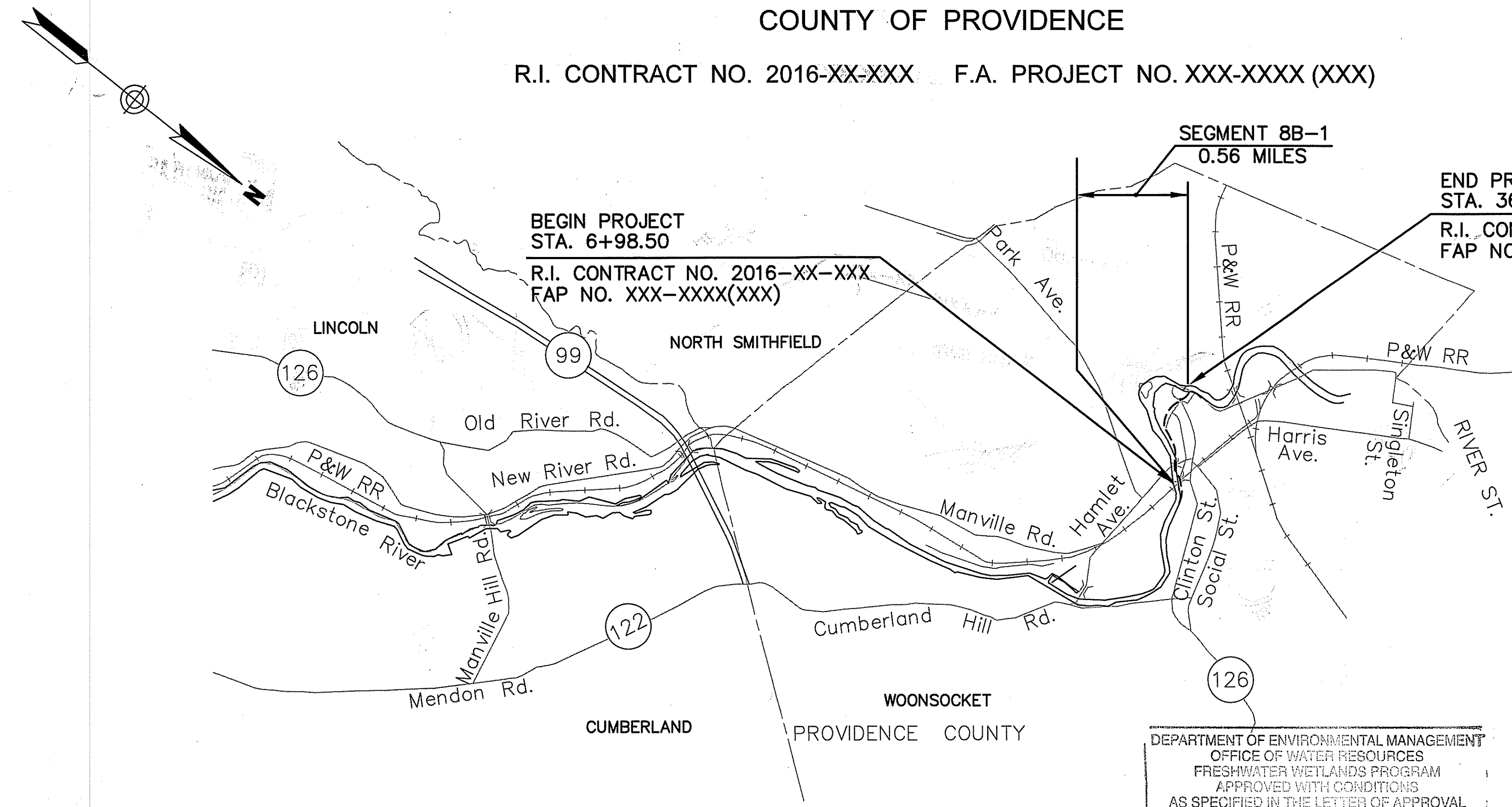
DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED  
**BLACKSTONE RIVER BIKEWAY**  
**SEGMENT 8B-1**

FROM WORRALL STREET TO RIVER STREET

CITY OF WOONSOCKET  
 COUNTY OF PROVIDENCE

R.I. CONTRACT NO. 2016-XX-XXX F.A. PROJECT NO. XXX-XXXX (XXX)



LOCATION PLAN  
 SCALE IN FEET  
 4000 0 4000 8000

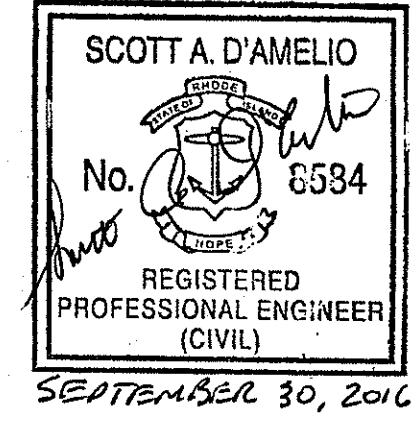
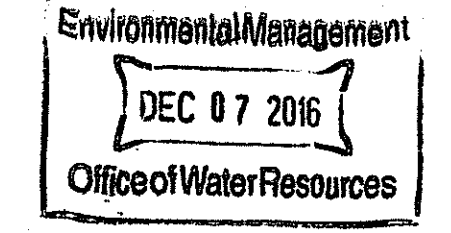
**PAVEMENT STRUCTURE**

**DRIVEWAY PAVEMENT**  
 3" CLASS 4.75 HOT MIX ASPHALT  
 8" GRAVEL BORROW SUBBASE COURSE

**BIKEWAY PAVEMENT**  
 1" CLASS 4.75 HOT MIX ASPHALT  
 3" CLASS 19.0 HOT MIX ASPHALT  
 12" GRAVEL BORROW SUBBASE COURSE

**FULL DEPTH PAVEMENT**  
 2" CLASS 9.5 HOT MIX ASPHALT  
 6" CLASS 19 HOT MIX ASPHALT  
 12" GRAVEL BORROW SUBBASE COURSE

**PERMIT SUBMISSION**  
**SEPTEMBER 2016**

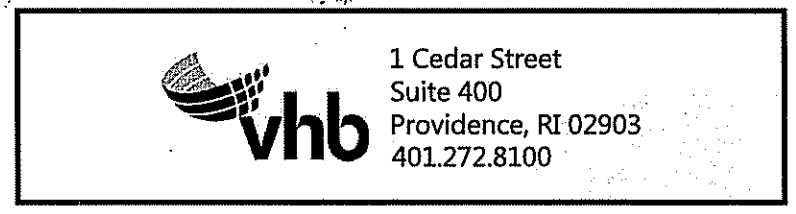


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LAYOUT  
 SCALE: 1" = 2000'

BASE OF LEVELS  
 NGVD 1929

SCALES OF DRAWINGS  
 AS SHOWN

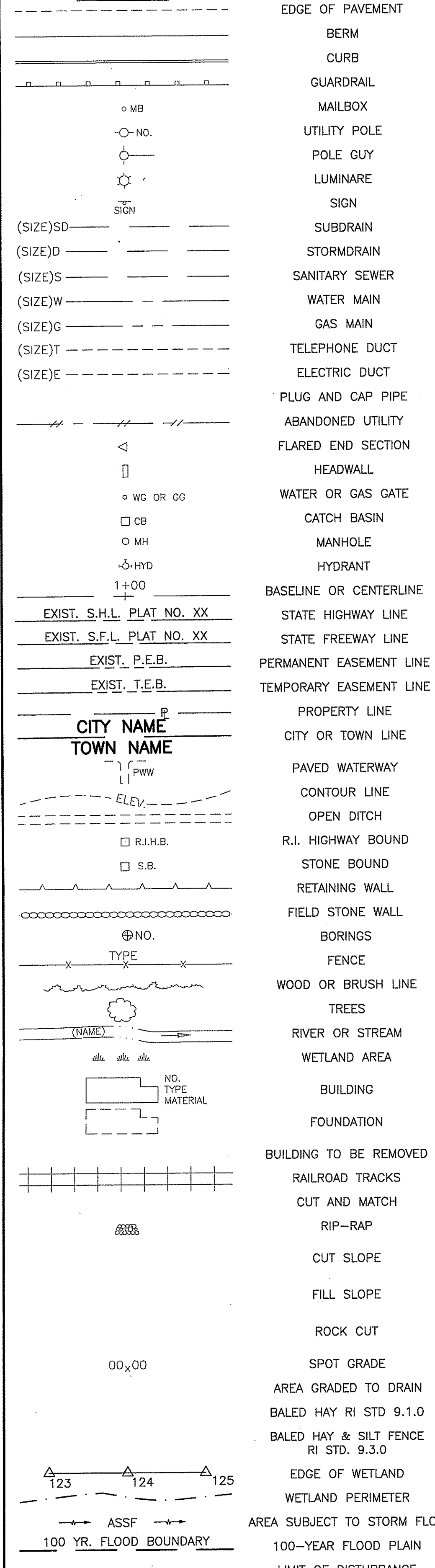


Contract Number 2016-XX-XXX  
 Number of Sheet 1  
 Total Sheets 39

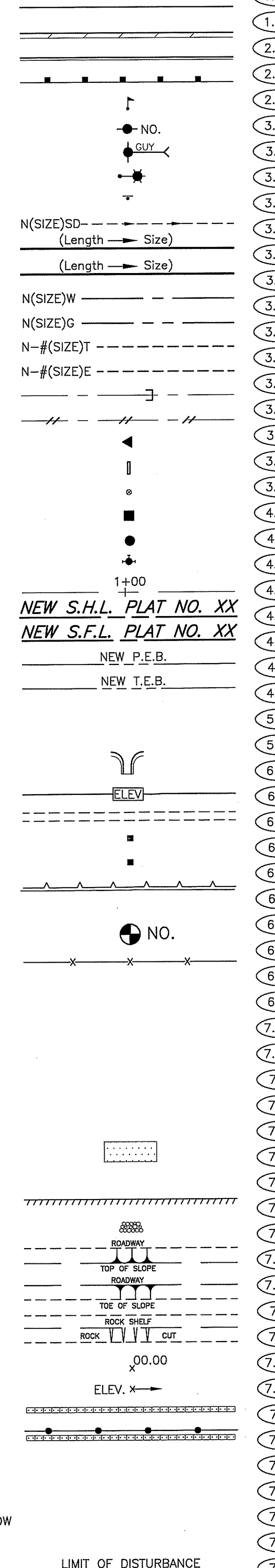
R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED	
DEPUTY CHIEF ENGINEER	DATE
APPROVED	
CHIEF ENGINEER	DATE
APPROVED	
DIRECTOR	DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED 2013, 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.

**EXISTING**



**NEW**



- (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 SLOPED FACE)
- (7.3.0S) GRANITE CURB (STRAIGHT)
- (7.3.0C) GRANITE CURB (CIRCULAR)
- (7.3.1) 3'-0" GRANITE TRANSITION CURB
- (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
- (7.5.1A) BITUMINOUS BERM (CONSTRUCTION METHOD A)
- (7.5.1B) BITUMINOUS BERM (CONSTRUCTION METHOD B)
- (7.6.0) CURB SETTING DETAIL
- (8.2.0) BITUMINOUS CONCRETE DITCH
- (8.3.0) RIP-RAP DITCH
- (8.4.0) PAVED WATERWAY
- (9.1.0) BALED HAY EROSION CHECK
- (9.2.0) SILT FENCE DETAIL
- (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) TYPICAL GUARDRAIL INSTALLATION
- (34.2.0) STEEL BEAM GUARDRAIL
- (34.2.1) STEEL BEAM GUARDRAIL DETAILS
- (34.2.2) STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY
- (34.2.3) STEEL BEAM GUARDRAIL FIXTURES
- (34.2.5) STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
- (34.3.1) GUARDRAIL END SECTION
- (34.3.2) TERMINAL END SECTION (SINGLE FACE)
- (34.3.3) ANCHORAGE DETAILS APPROACH END SECTION
- (34.3.4) ANCHORAGE DETAILS TRAILING END SECTION
- (34.4.0) STEEL BACKED TIMBER GUARDRAIL
- (34.4.1) STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1
- (40.1.0) DOUBLE-FACED PRECAST MEDIAN BARRIER
- (40.2.0) SINGLE-FACED PRECAST MEDIAN BARRIER
- (40.2.1) SINGLE-FACED PRECAST MEDIAN BARRIER
- (40.3.0) PRECAST MEDIAN BARRIER TRANSITION UNIT
- (40.5.0) PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL
- (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
- (BPS) 3" BITUMINOUS CONCRETE TYPE 1-2
- (CCB) 8" GRAVEL BORROW SUBBASE COURSE
- (CCP) BUILD NEW STRUCTURE OVER EXISTING PIPE
- (CFP) CLEAN CATCH BASIN
- (CG) CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
- (CMH) CLEAN AND FLUSH PIPE
- (CP) (DEPTH) COLD PLANE
- (CPP) CLEARING AND GRUBBING
- (DB) CLEAN MANHOLE
- (DC) CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
- (DCB) REMOVE AND DISPOSE BITUMINOUS CURB
- (DDI) REMOVE AND DISPOSE CONCRETE CURB
- (DF) REMOVE AND DISPOSE CATCH BASIN
- (DFC) REMOVE AND DISPOSE DROP INLET
- (DFE) REMOVE AND DISPOSE FENCE
- (DFG) REMOVE AND DISPOSE FRAME AND COVER
- (DFH) REMOVE AND DISPOSE FRAME AND GRATE
- (DFP) REMOVE AND DISPOSE FIRE HYDRANT
- (DG) REMOVE AND DISPOSE FLEXIBLE PAVEMENT
- (DH) REMOVE AND DISPOSE GUARDRAIL
- (DHB) REMOVE AND DISPOSE GUARDRAIL
- (DHH) REMOVE AND DISPOSE HEADWALL
- (DL) REMOVE AND DISPOSE HIGHWAY BOUND
- (DMB) REMOVE AND DISPOSE HANDHOLE
- (DMH) REMOVE AND DISPOSE LIGHT AND FOUNDATION
- (DMM) REMOVE AND DISPOSE MEDIAN BARRIER
- (DOW) REMOVE AND DISPOSE MEDIAN
- (DP) REMOVE AND DISPOSE MANHOLE
- (DPB) REMOVE AND DISPOSE MEDIAN MARKER
- (DRB) REMOVE AND DISPOSE MEDIAN
- (DS) REMOVE AND DISPOSE OBSERVATION WELL
- (DSS) REMOVE AND DISPOSE PIPE
- (DSW) REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
- (DTD) REMOVE AND DISPOSE RIGID BASE
- (DUP) REMOVE AND DISPOSE SIGN
- (DWW) REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
- (FF) REMOVE AND DISPOSE SIDEWALK
- (GET) REMOVE AND DISPOSE TELEPHONE DUCT BANKS
- (IA) REMOVE AND DISPOSE UTILITY POLE
- (IDL) REMOVE AND DISPOSE PAVED WATERWAY
- (LOD) FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
- (LOR) FLARED GUARDRAIL END TREATMENT
- (LS) IMPACT ATTENUATOR

- (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
- (NWSB) FURNISH AND INSTALL NEW WATER CURB STOP BOX
- (PCD) FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
- (PS) PERMANENT CHECK DAM
- (RCB) 4" PLANTABLE SOIL AND SEED
- (RCM) RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
- (RHH) R.I.D.O.T. COMMUNICATIONS MANHOLE
- (RLP) REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
- (RMB) RELOCATE LAMP POST
- (RPM) RELOCATE MAILBOX (BY OTHERS)
- (RRP) REMOVE PAVEMENT MARKINGS
- (RRS) RIP-RAP PAD (SEE DETAIL)
- (RUP) REMOVE AND RELOCATE SIGN
- (SB) RELOCATE UTILITY POLE (BY OTHERS)
- (SBAE) STONE BAFFLE
- (SBTE) STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
- (SD-) STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
- (SF) STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
- (SGA) REMOVE AND STOCKPILE FENCE
- (SGC) SPECIAL GRADED AGGREGATE
- (SGR) REMOVE AND STOCKPILE GRANITE CURB
- (SH) REMOVE AND STOCKPILE GUARDRAIL
- (SS) REMOVE AND STOCKPILE HYDRANT
- (STS) REMOVE AND STOCKPILE SIGN
- (TB) REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
- (TEP) CONCRETE THRUST BLOCK
- (TNP) TIE EXISTING PIPE INTO NEW STRUCTURE
- (TBT) 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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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Environmental Management  
 DEC 07 2016  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY
1	6/07	TRB

RHODE ISLAND  
**DEPARTMENT OF TRANSPORTATION**

**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

WOONSOCKET RHODE ISLAND

**STANDARD PLAN SYMBOLS &  
 STANDARD LEGEND**

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE NO SCALE

**vhb**  
 1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100





**JOB SPECIFIC GENERAL LEGEND**

- (7.3.9) GRANITE RAMP STONE, R.I. STD. 7.3.9
- (7.4.2M) 6'-0" GRANITE CURB TRANSITION, R.I. STD 7.4.2 - MODIFIED
- (7.7.0) GRANITE TRUCK APRON STONE, R.I. STD 7.7.0
- (8.4.0M) PAVED WATERWAY, R.I. STD 7.7.0 - MODIFIED
- (20.1.0M) EPOXY RESIN PAVEMENT MARKING WORD "YIELD", R.I. STD 20.1.0 - MODIFIED
- (43.2M) BITUMINOUS CONCRETE SIDEWALK, R.I. STD 43.2.0 - MODIFIED  
3" CLASS 12.5 HMA  
8" GRAVEL BORROW SUBBASE
- (43.3.0) WHEEL CHAIR RAMP, R.I. STD 43.3.0
- (AMH) ADJUST MANHOLE TO GRADE
- (BCDM) BITUMINOUS CONCRETE DRIVEWAY - MODIFIED  
3" HMA CLASS 9.5  
8" GRAVEL BORROW SUBBASE COURSE
- (BCM) BITUMINOUS CONCRETE MEDIAN
- (BG) BARRIER OPENING WITH GUARDRAIL (SEE DETAIL PLAN NO. 3)
- (BLS) BIKE LANE SYMBOL (SEE DETAIL PLAN NO. 2)
- (BR) SPLIT RAIL BICYCLE RAILING (SEE DETAIL PLAN NO. 1)
- (BSR) BICYCLE SLIP RAMP (SEE DETAIL PLAN NO. 1)
- (BWP) BIKEWAY PAVEMENT  
1" CLASS 4.75 HOT MIX ASPHALT  
3" CLASS 19.0 HOT MIX ASPHALT  
12" GRAVEL BORROW SUBBASE COURSE
- (CFS) COMPOST FILTER SOCK
- (CTA) CEMENT CONCRETE TRUCK APRON (SEE DETAIL PLAN NO. 1)
- (CW) CROSSWALK (SEE DETAIL PLAN NO. 2)
- (DCP) REMOVE AND DISPOSE COBBLESTONE PAVERS
- (DT) REMOVE AND DISPOSE TREE
- (FDP) FULL DEPTH PAVEMENT  
2" CLASS 9.5 HOT MIX ASPHALT  
4" CLASS 12.5 HOT MIX ASPHALT  
12" GRAVEL BORROW SUBBASE
- (GP) GRANITE SETT PAVING (SEE DETAIL PLAN NO. 1)
- (IA) IMPACT ATTENUATOR
- (LM) 4" LOAM AND MULCH
- (OSC) YARD DRAIN (SEE DETAIL PLAN NO. 3)
- (OV) PAVEMENT OVERLAY  
2" CLASS 9.5 HOT MIX ASPHALT  
6" CLASS 19.0 HOT MIX ASPHALT
- (RCS) REMOVE AND RELOCATE CAR STOP
- (REB) REMOVE AND RELOCATE ELECTRIC BOX
- (RFH) RELOCATE FIRE HYDRANT
- (RGR) REMOVE AND RESET GUARDRAIL
- (RGW) REMOVE AND RESET GRANITE WALL
- (RRLP) REMOVE AND RELOCATE LIGHT POLE
- (RSCB) REMOVE AND STOCKPILE CONCRETE BLOCKS

- (RXM) ROAD CROSSING EPOXY RESIN PAVEMENT MARKING
- (SD1a) STONE DIAPHRAGM (SEE DETAIL PLAN NO. 3)
- (SF1) STONE FILTER (SEE DETAIL PLAN NO. 3)
- (SLM) SHARED LANE MARKING - WHITE (SEE DETAIL PLAN NO. 2)
- (SSSC) SILT SAC SEDIMENT CONTROL
- (TBD) CAST IN PLACE TRANSITION BARRIER TO ACCEPT 7.4.2M CURB TRANSITION
- (YL) YIELD LINE EPOXY RESIN PAVEMENT MARKING
- (YWM) "YIELD" WORD EPOXY RESIN PAVEMENT MARKING
- (4BYL) 4" EPOXY RESIN PAVEMENT MARKINGS - BROKEN YELLOW LINE
- (6DSW) 6" EPOXY RESIN PAVEMENT MARKING - DASHED WHITE (SEE DETAIL PLAN NO. 2)
- (6W) 6" EPOXY RESIN PAVEMENT MARKINGS - SOLID WHITE LINE
- (6Y) 6" EPOXY RESIN PAVEMENT MARKING - SOLID YELLOW LINE
- (8W) 8" EPOXY RESIN PAVEMENT MARKINGS - SOLID WHITE LINE
- 200' RIVERBANK WETLAND
- 100' RIVERBANK WETLAND

**JOB SPECIFIC GENERAL NOTES**

- TOPOGRAPHICAL INFORMATION FROM AERIAL SURVEY AND FIELD SURVEY BY AERIAL: CHARLES H. SELLS, INC. FIELD: VANASSE HANGEN BRUSTLIN, INC.
- ALL SURVEY FIELD BOOKS AND ELECTRONIC DATA SHALL BE SUBMITTED TO THE RIDOT SURVEY SECTION UPON COMPLETION OF THE CONSTRUCTION WORK. FIELD BOOKS SHALL INCLUDE A LISTING OF ALL RI HIGHWAY BOUNDS THAT WERE SET WITH STATIONS, OFFSETS, COORDINATES AND DATE SET CERTIFIED BY CONTRACTOR'S PROFESSIONAL LAND SURVEYOR.
- 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.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
- INTERSECTING ROADS SHALL BE RECONSTRUCTED TO THE LIMITS SHOWN ON THE PLANS AND CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER. THE PAVEMENT MAKE-UP SHALL BE THE SAME AS THE BIKEWAY PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS AND TYPICAL DETAILS.
- 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 IS CALLED FOR ON THE PLANS OR DIRECTED BY THE ENGINEER.

**JOB SPECIFIC GENERAL NOTES - DRAINAGE**

- ALL CEMENT CONCRETE FOR DRAINAGE STRUCTURES SHALL BE CLASS XX (AE).
- ALL CATCH BASINS SHALL PROVIDE A 3 FOOT SUMP.
- ALL CATCH BASINS SHALL BE 4 FOOT DIAMETER UNLESS OTHERWISE NOTED.

**JOB SPECIFIC GENERAL NOTES - PAVEMENT MARKINGS**

- ALL PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN PAVEMENT MARKINGS UNLESS OTHERWISE INDICATED.
- THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.
- ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED BY AN APPROVED METHOD.

**JOB SPECIFIC GENERAL NOTES - LANDSCAPING**

- ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (RECOGNIZED LICENSED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH R.I. STANDARD SPECIFICATIONS.  
  
ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A RIDOT LANDSCAPE REPRESENTATIVE.

**JOB SPECIFIC GENERAL NOTES - SIGNS**

- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTING AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- TEMPORARY CONSTRUCTION SIGN PANELS SHALL BE 3/4" THICK EXTERIOR GRADE PLYWOOD CONFORMING TO SECTION M-19 OF THE STANDARD SPECIFICATIONS.
- ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION WITH ALL REVISIONS.

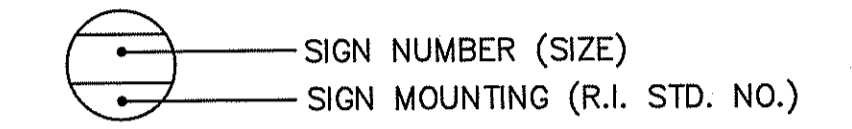
**JOB SPECIFIC GENERAL NOTES - CONCRETE**

- THE ALLOWABLE WORKING STRESSES FOR PORTLAND CEMENT CONCRETE AND REINFORCING STEEL SHALL BE AS REQUIRED BY THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED.

**JOB SPECIFIC ABBREVIATIONS**

- U.P. UTILITY POLE
- DIP DUCTILE IRON PIPE

**JOB SPECIFIC TYPICAL SIGN DESIGNATION SYMBOL**

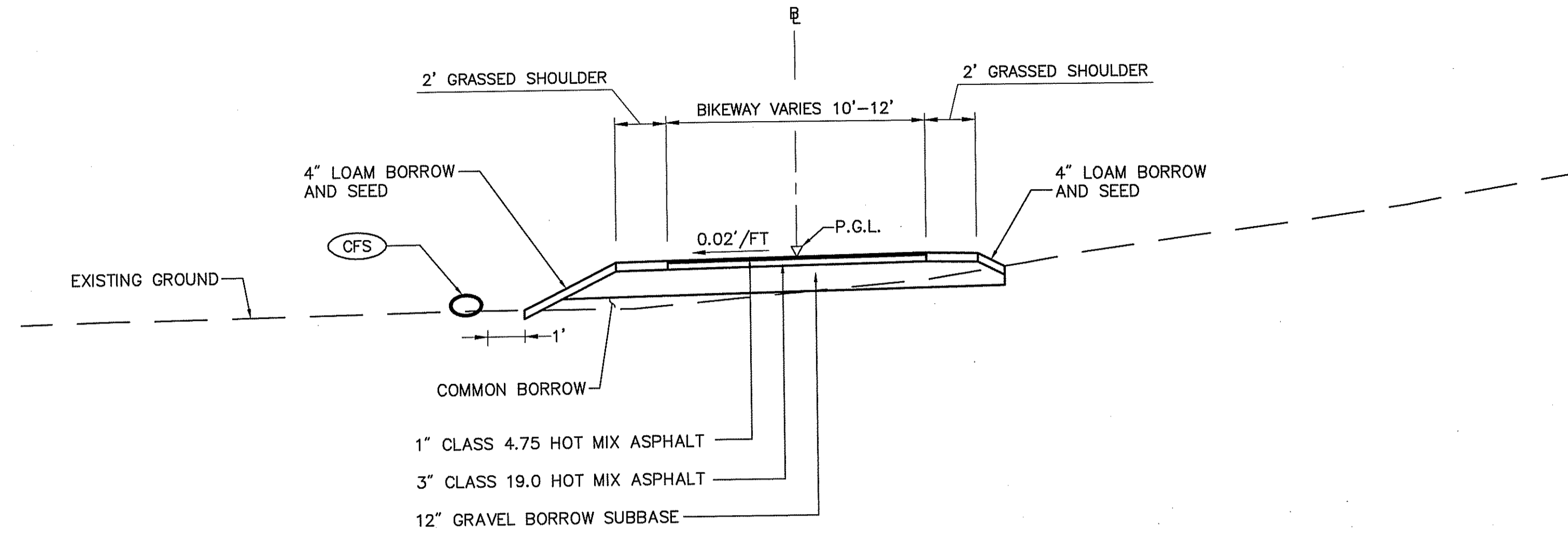


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OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 18 2017 FILE # 16-0299  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

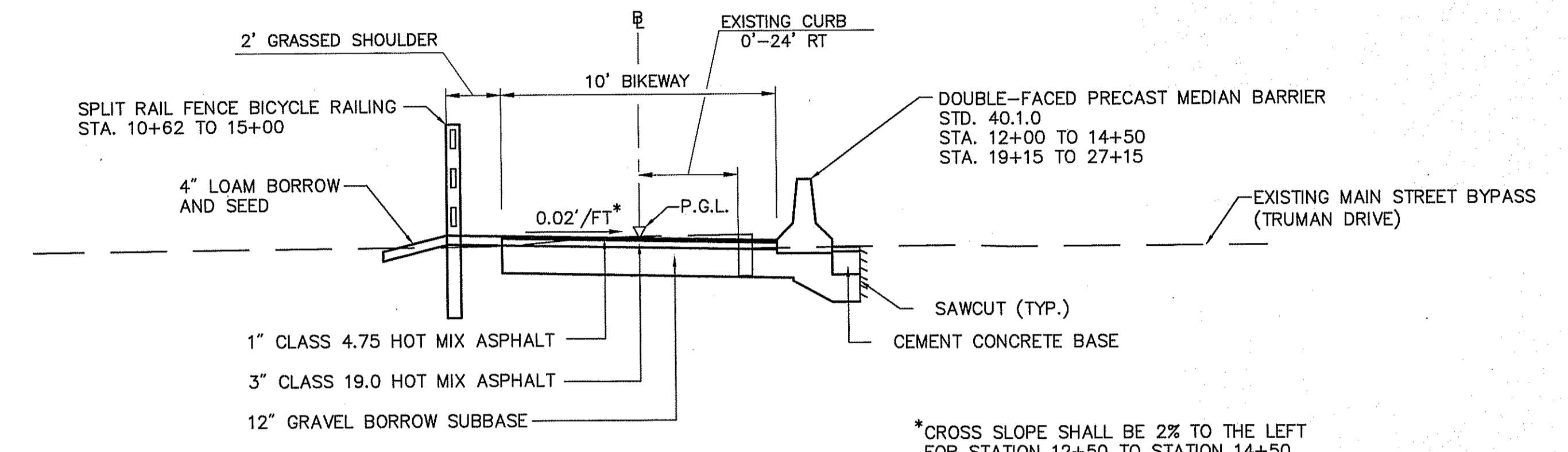
Environmental Management  
DEC 07 2016  
Office of Water Resources

REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES	
			CHECKED BY _____	DATE _____ SCALE _____

**vhb**  
1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100

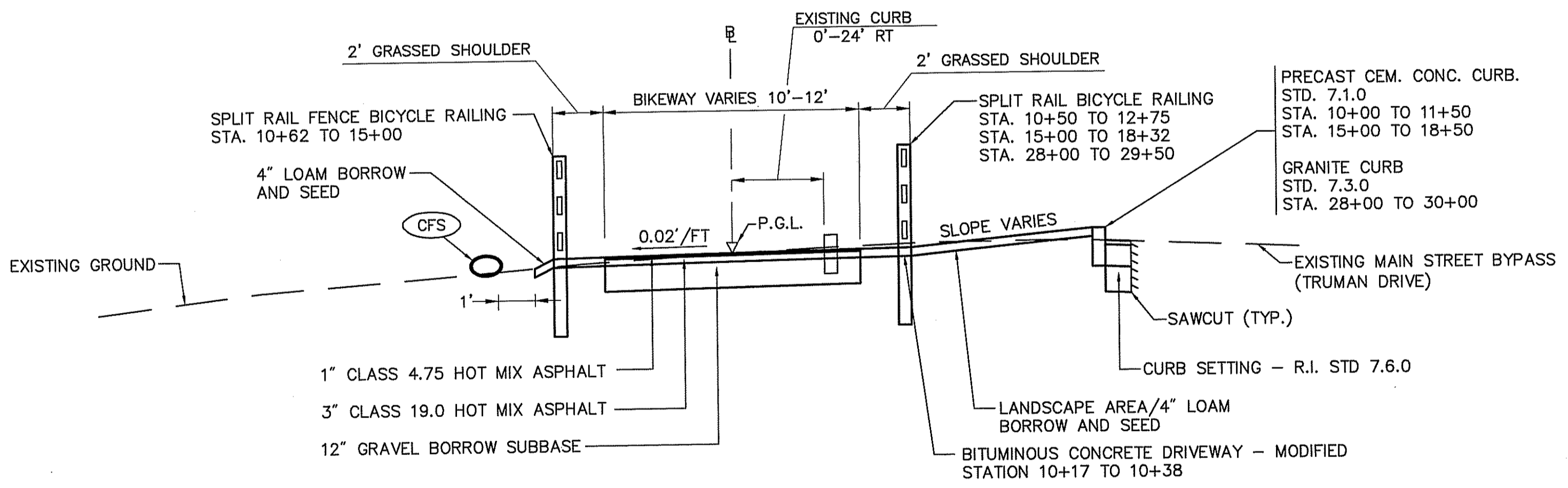


**BIKEWAY**  
 STATION 8+00 TO STATION 9+50 (12' WIDE)  
 STATION 31+00 TO STATION 34+75 (10' WIDE)

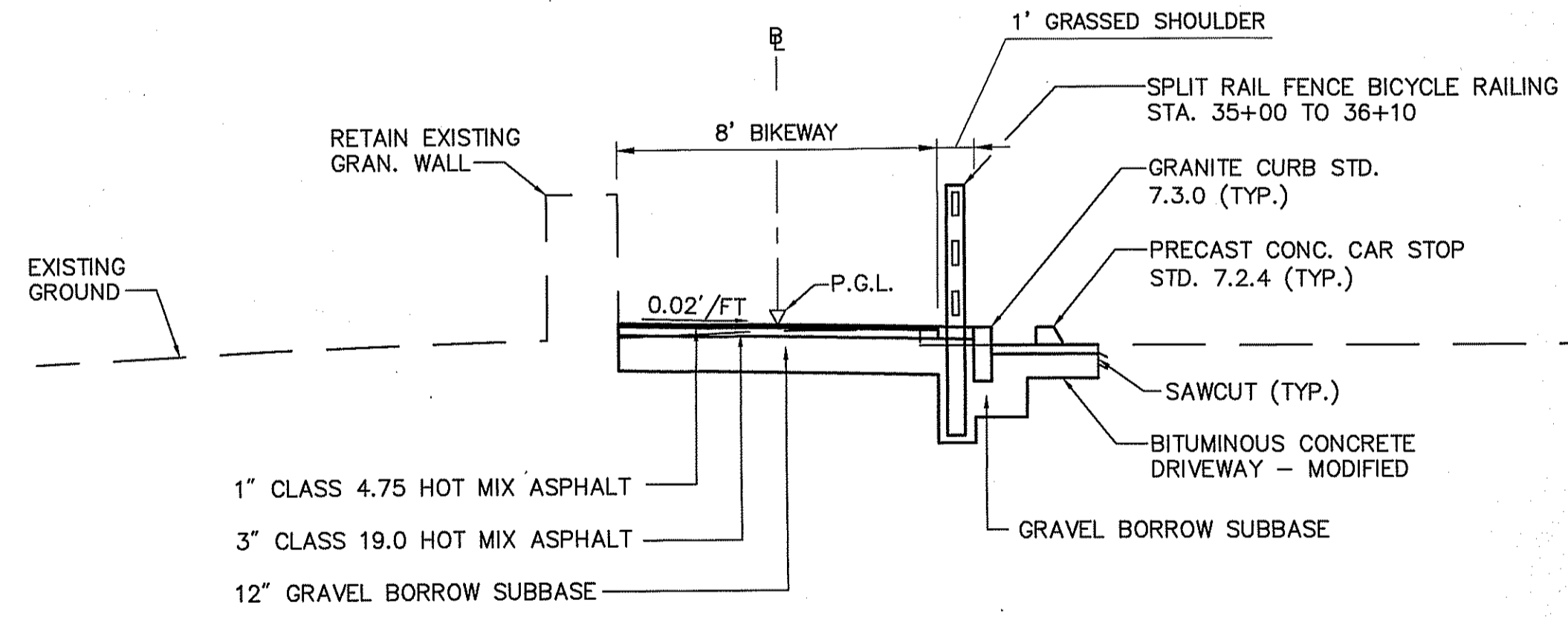


**BIKEWAY ALONG MAIN STREET BYPASS**  
 STATION 12+00 TO STATION 14+50  
 STATION 19+15 TO STATION 27+15

\*CROSS SLOPE SHALL BE 2% TO THE LEFT FOR STATION 12+50 TO STATION 14+50



**BIKEWAY ALONG MAIN STREET BYPASS**  
 STATION 10+00 TO STATION 12+00 (12' WIDE)  
 STATION 14+50 TO STATION 18+00 (12' WIDE)  
 STATION 18+00 TO STATION 19+15 (10' WIDE)  
 STATION 27+15 TO STATION 30+00 (10' WIDE)



**BIKEWAY IN MARKET SQUARE**  
 STATION 34+75 TO STATION 36+25

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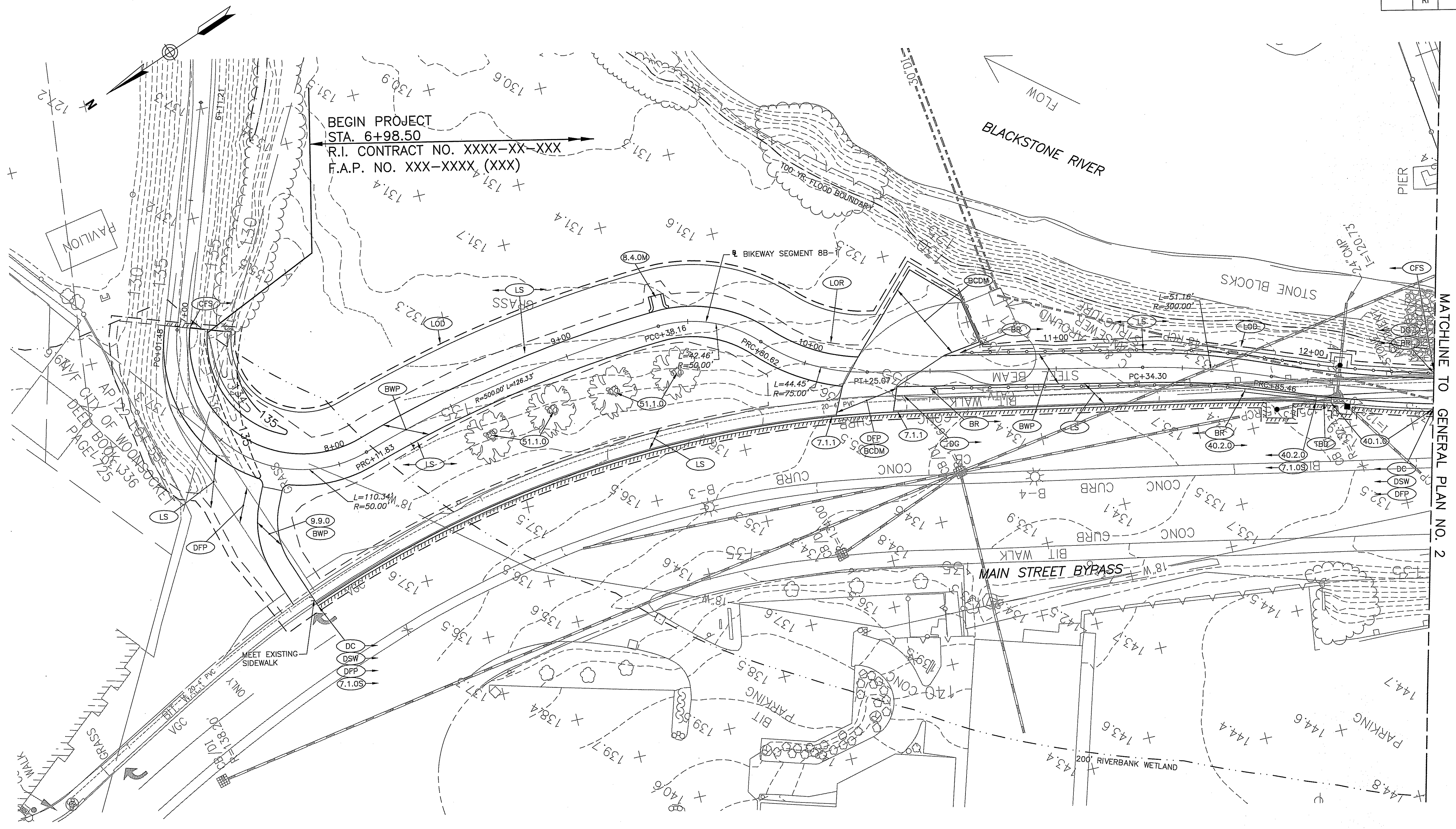
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REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			TYPICAL SECTION NO. 1	
			CHECKED BY	DATE
				SCALE







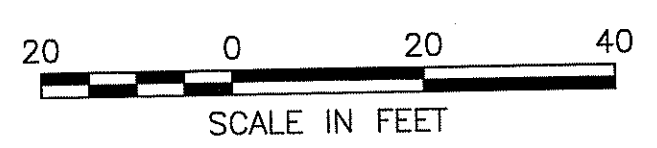
BEGIN PROJECT  
 STA. 6+98.50  
 R.I. CONTRACT NO. XXXX-XX-XXX  
 F.A.P. NO. XXX-XXXX (XXX)

MATCHLINE TO GENERAL PLAN NO. 2

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

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 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JAN 18 2017 FILE # 16-0-299  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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 Office of Water Resources

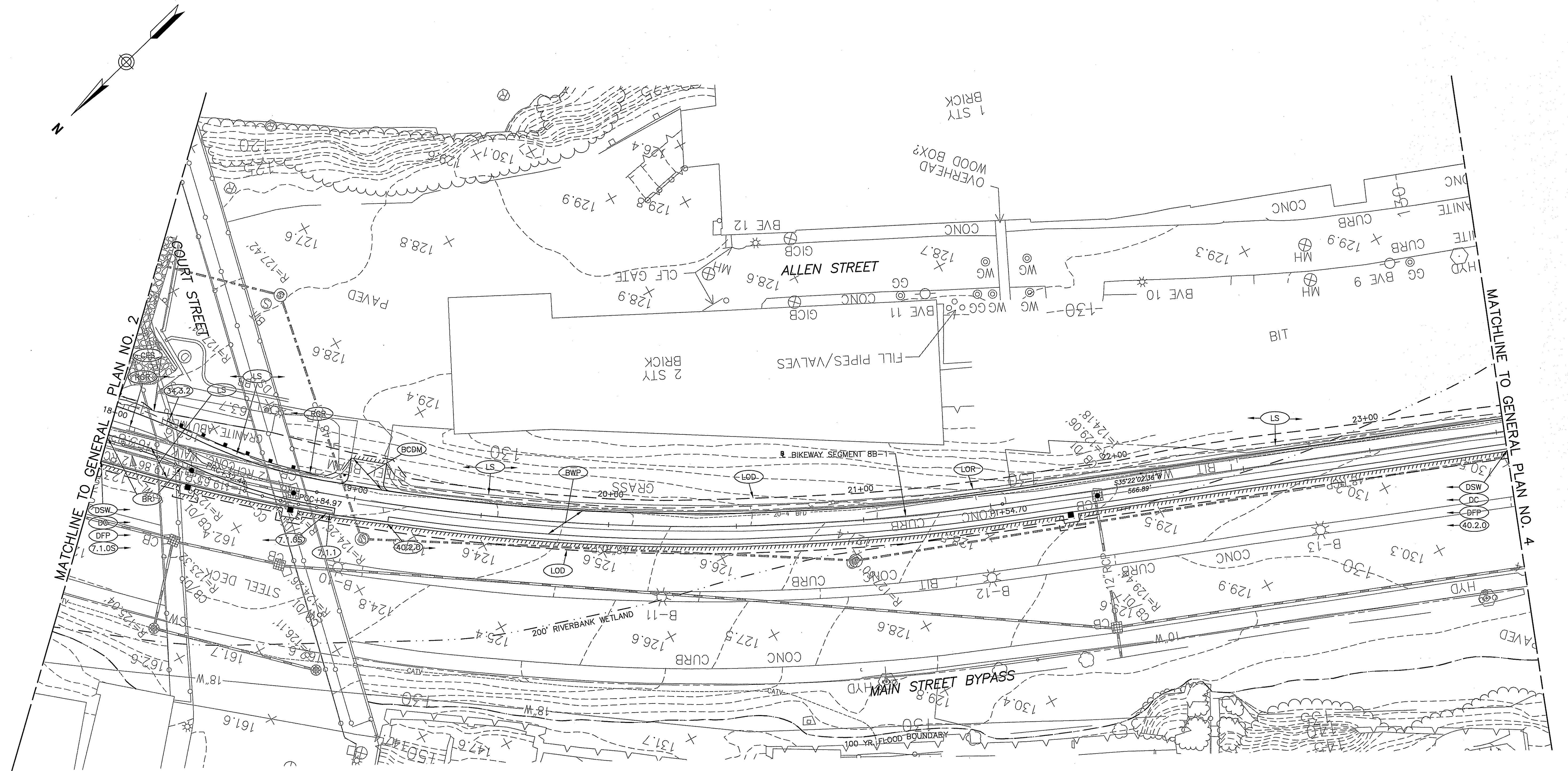


NOTE:  
 1. CONSTRUCTION VEHICLES SHALL AVOID DESIGNATED QPA AND SAND FILTER AREAS DURING CONSTRUCTION.

REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			GENERAL PLAN NO. 1	
			CHECKED BY _____	DATE _____ SCALE _____

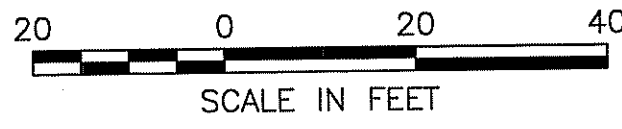
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 Suite 400  
 Providence, RI 02903  
 401.272.8100





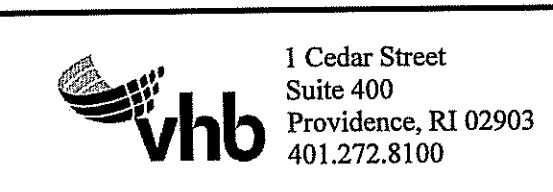
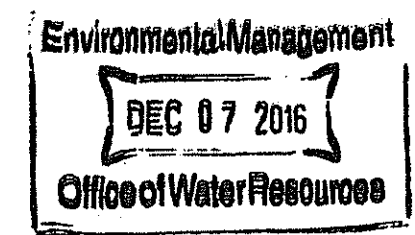
**NOTE:**  
 1. CONSTRUCTION VEHICLES SHALL AVOID DESIGNATED QPA AND SAND FILTER AREAS DURING CONSTRUCTION.

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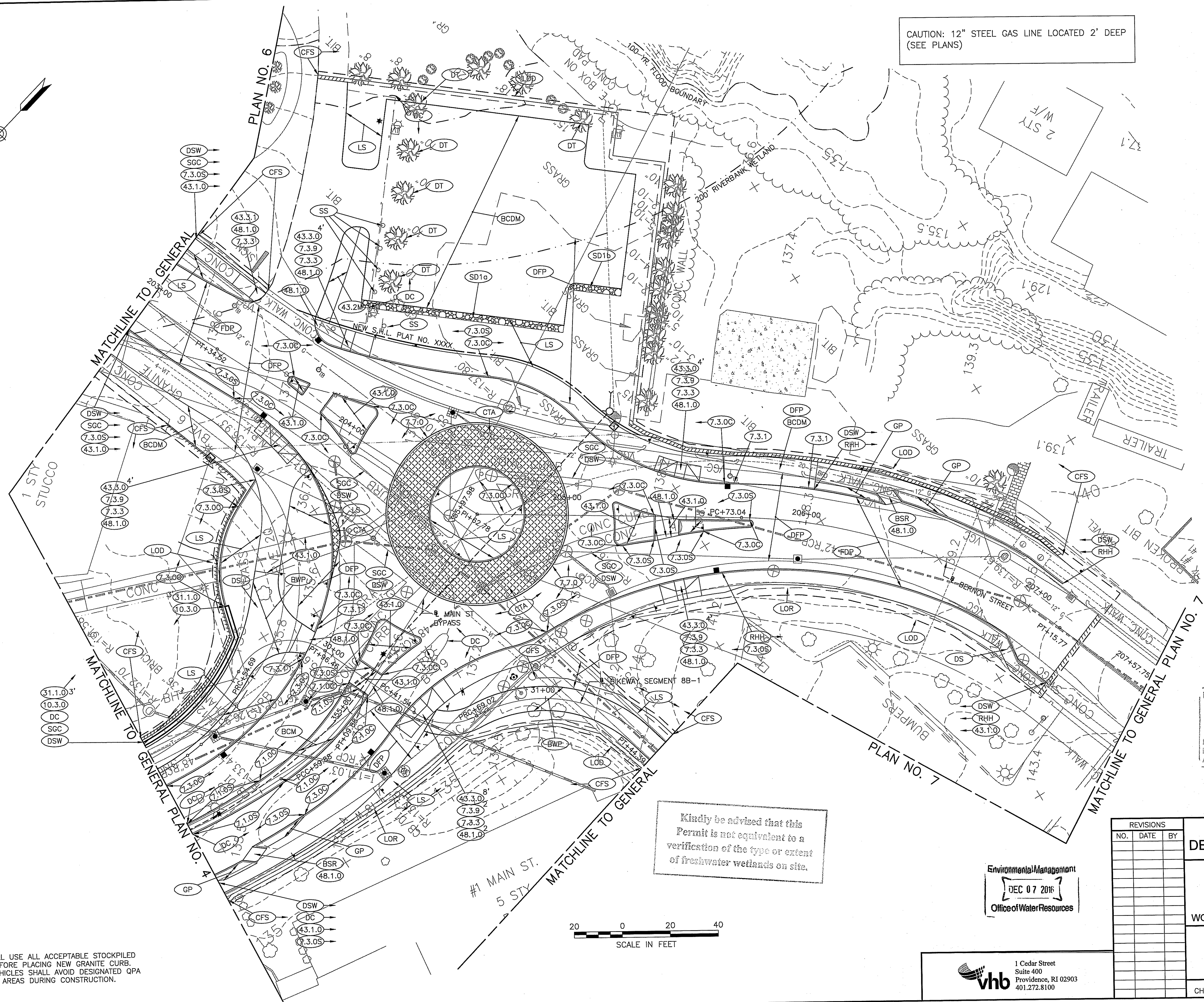
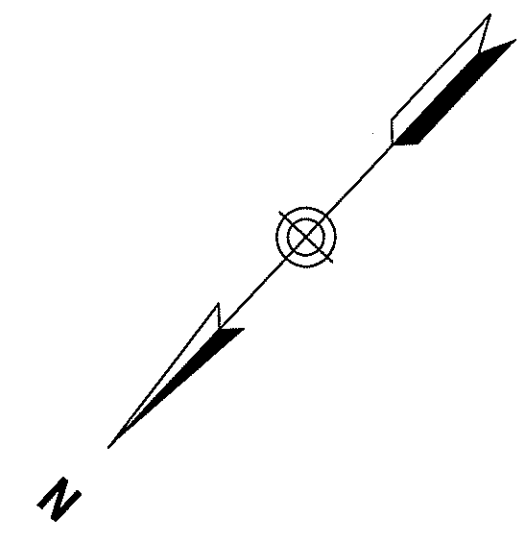
*Jonathan D. Wilmshurst*



REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			GENERAL PLAN NO. 3	
			CHECKED BY _____	DATE _____ SCALE _____



CAUTION: 12" STEEL GAS LINE LOCATED 2' DEEP (SEE PLANS)



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 DATED JAN 18 2017 FILE # 16-0299  
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- NOTE:
- CONTRACTOR SHALL USE ALL ACCEPTABLE STOCKPILED GRANITE CURB BEFORE PLACING NEW GRANITE CURB.
  - CONSTRUCTION VEHICLES SHALL AVOID DESIGNATED QPA AND SAND FILTER AREAS DURING CONSTRUCTION.

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NO.	DATE	BY		
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			GENERAL PLAN NO. 5	
			CHECKED BY _____	DATE _____ SCALE _____

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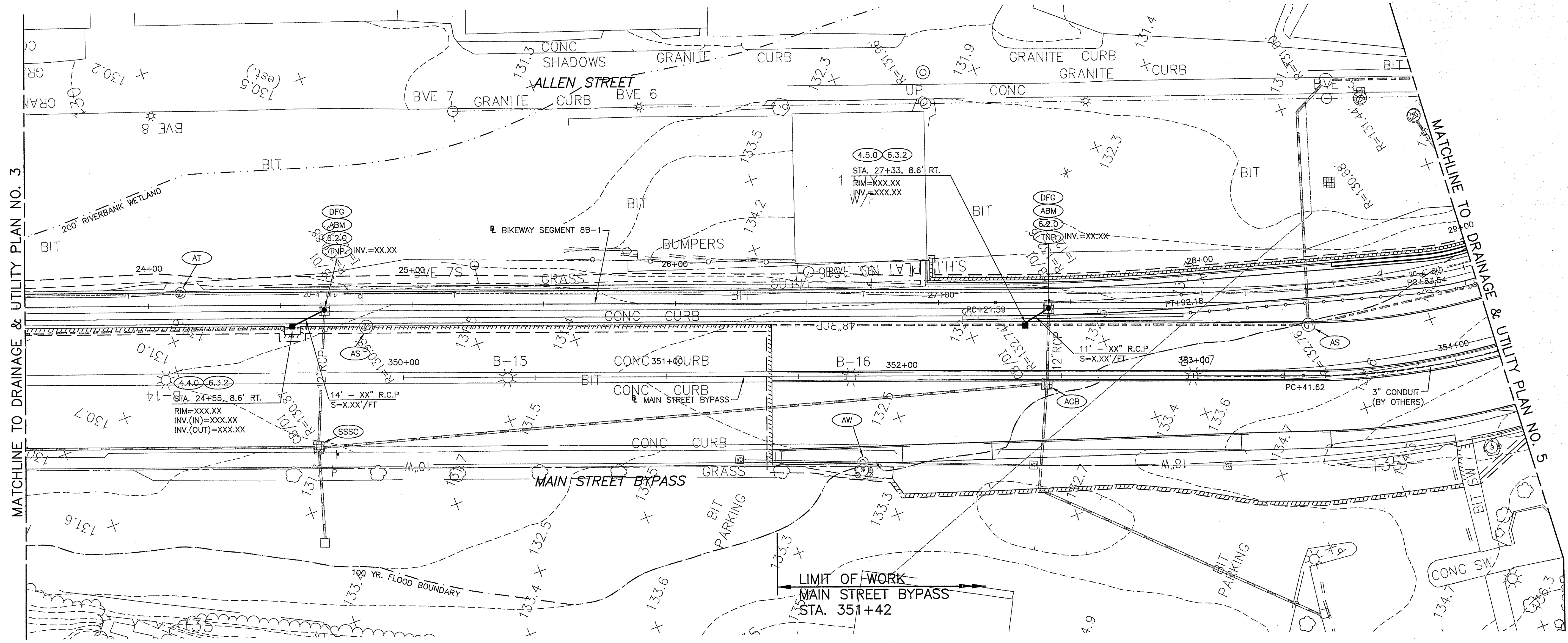
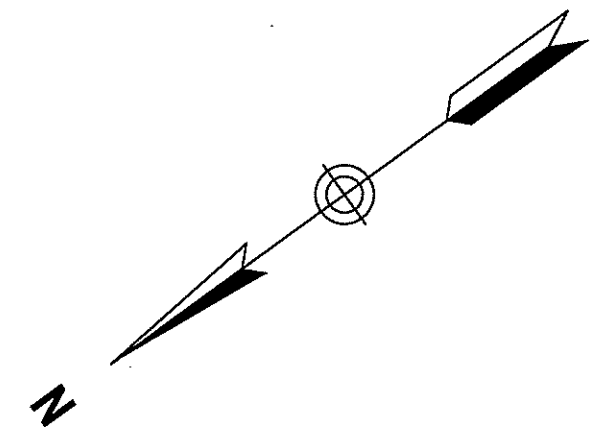








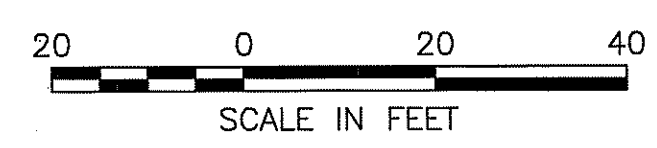




MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

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*Signature*

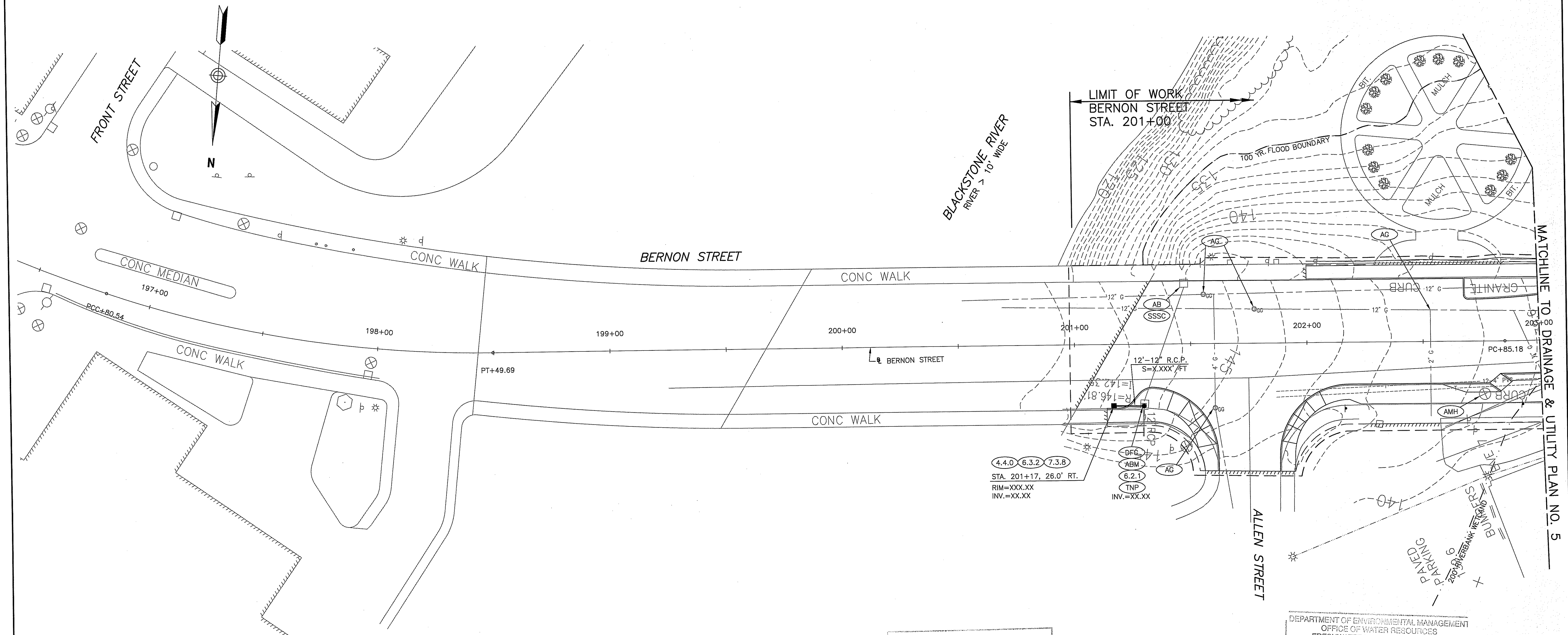
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REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION  
 BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1  
 WOONSOCKET RHODE ISLAND  
 DRAINAGE & UTILITY  
 PLAN NO. 4  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_

**vhb**  
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BLACKSTONE RIVER  
RIVER > 10' WIDE

LIMIT OF WORK  
BERNON STREET  
STA. 201+00

100 YR. FLOOD BOUNDARY

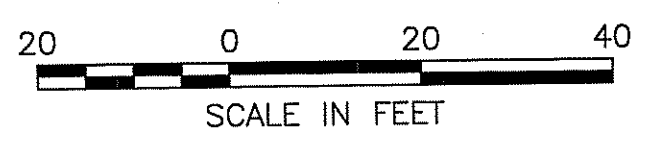
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

4.4.0 6.3.2 7.3.8  
STA. 201+17, 26.0' RT.  
RIM=XXX.XX  
INV.=XX.XX

12'-12" R.C.P.  
S=X.XXX' FT  
R=146.81  
I=142.38

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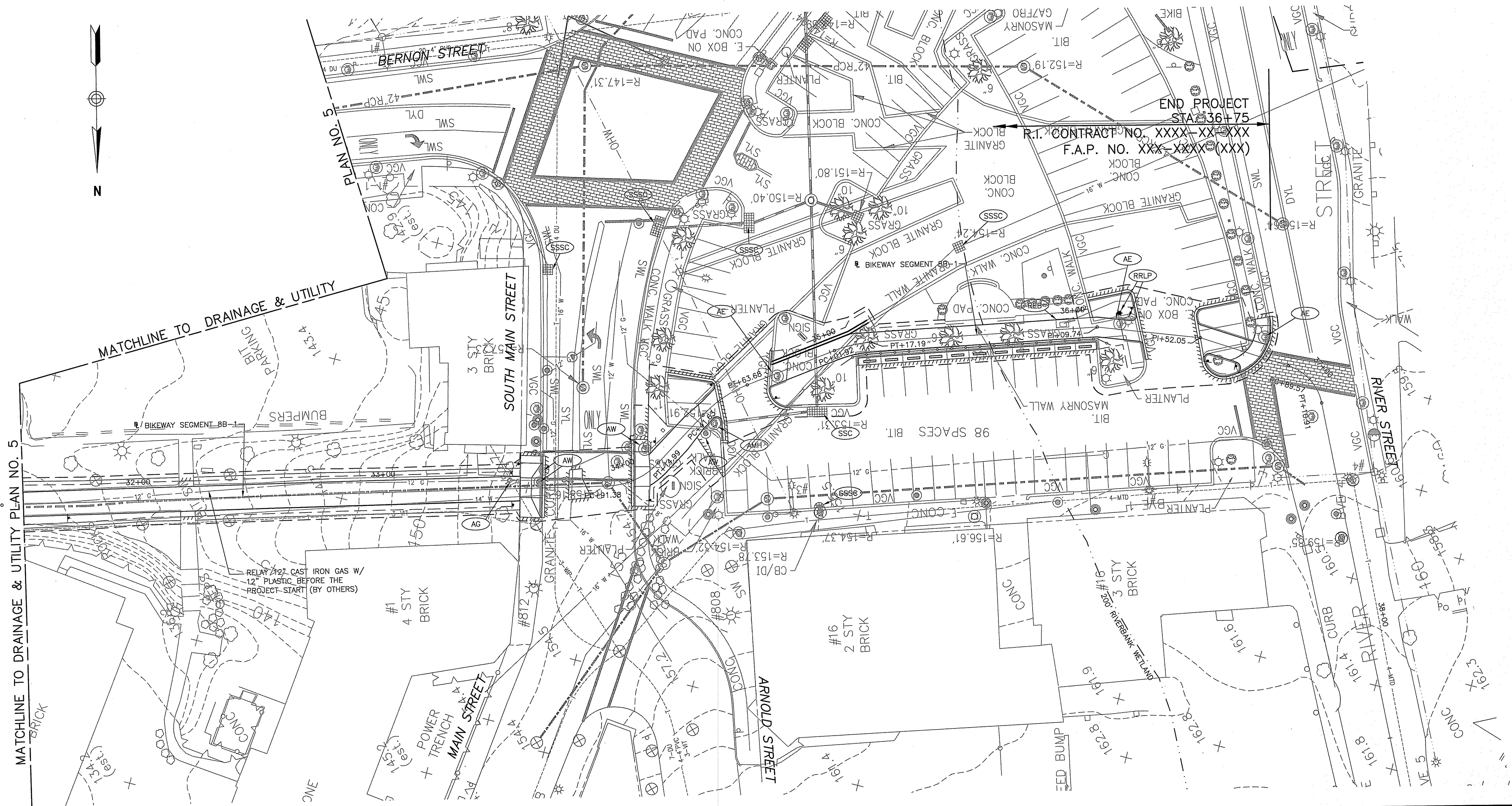
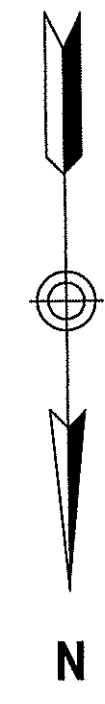


NOTE:  
1. CONTRACTOR SHALL USE ALL ACCEPTABLE STOCKPILED GRANITE CURB BEFORE PLACING NEW GRANITE CURB.

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NO.	DATE	BY		
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET RHODE ISLAND	
			DRAINAGE & UTILITY PLAN NO. 6	
			CHECKED BY _____	DATE _____
			SCALE _____	



MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

END PROJECT  
STA 36+75

R.I. CONTRACT NO. XXXX-XXXX-XXXX  
F.A.P. NO. XXX-XXX-XXX(XXX)

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FRESHWATER WETLANDS PROGRAM  
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DATED JAN 18 2017 FILE # 16-0299  
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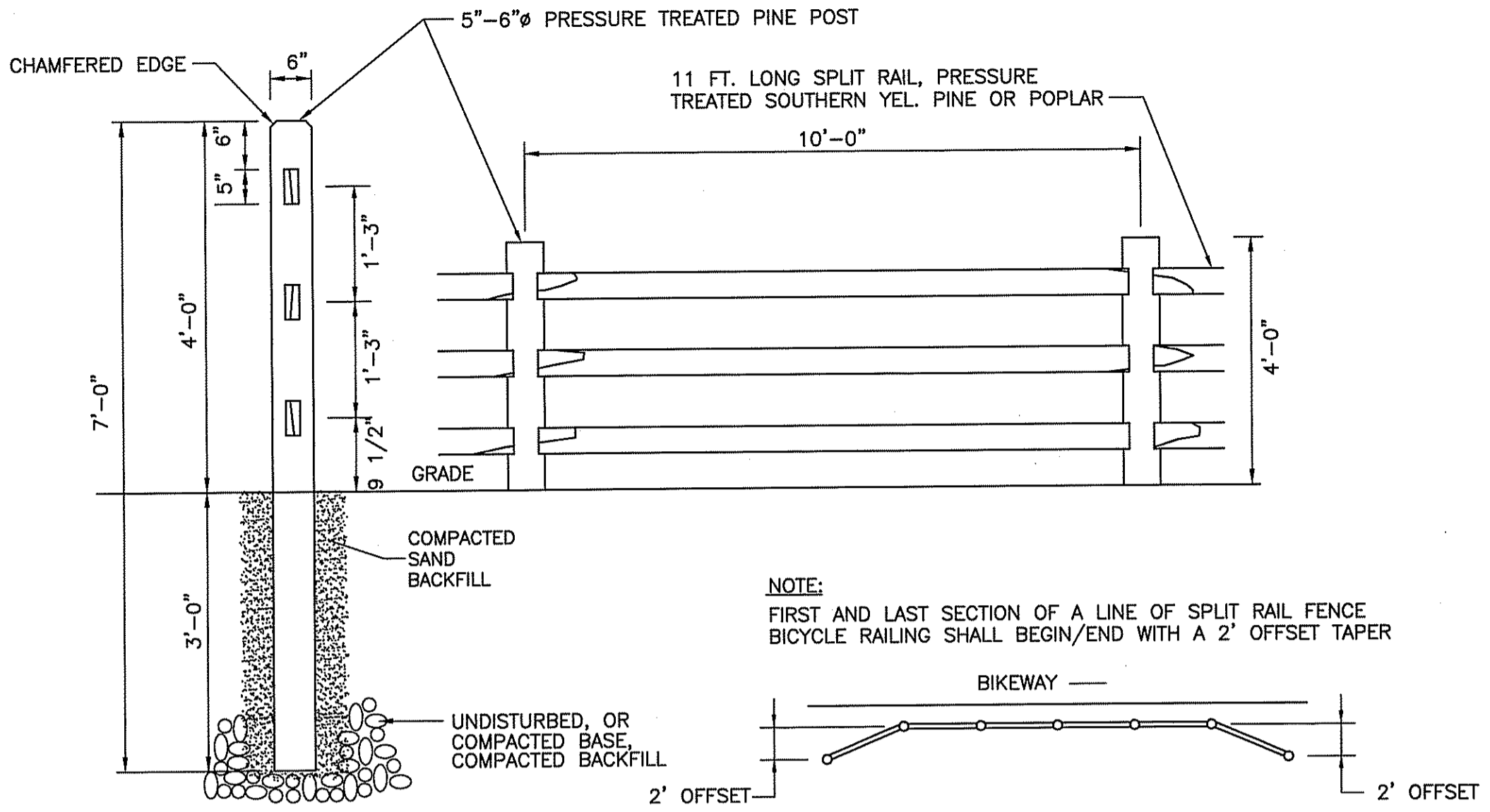
Environmental Management  
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Office of Water Resources

NOTE:  
1. CONTRACTOR SHALL USE ALL ACCEPTABLE STOCKPILED GRANITE CURB BEFORE PLACING NEW GRANITE CURB.

REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			DRAINAGE & UTILITY PLAN NO. 7	
			CHECKED BY _____	DATE _____ SCALE _____

**vhb**  
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401.272.8100

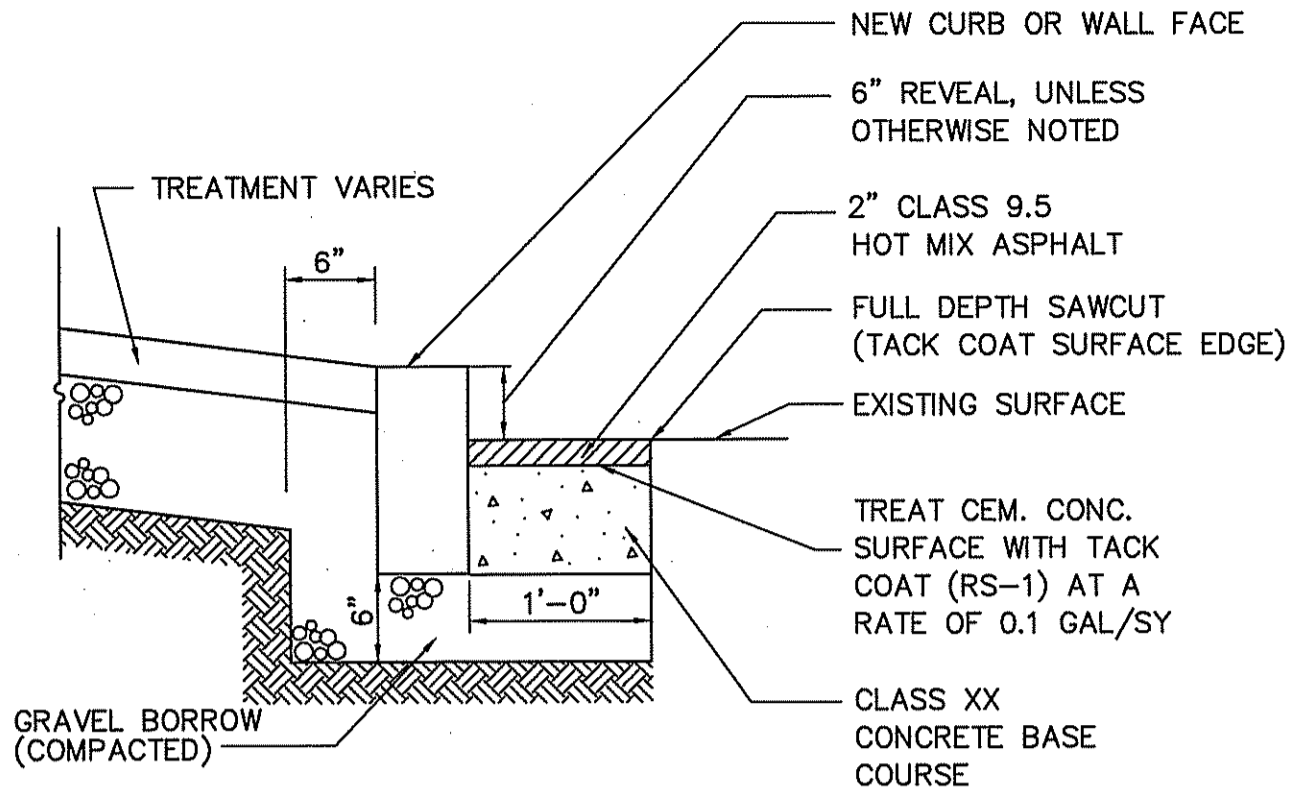




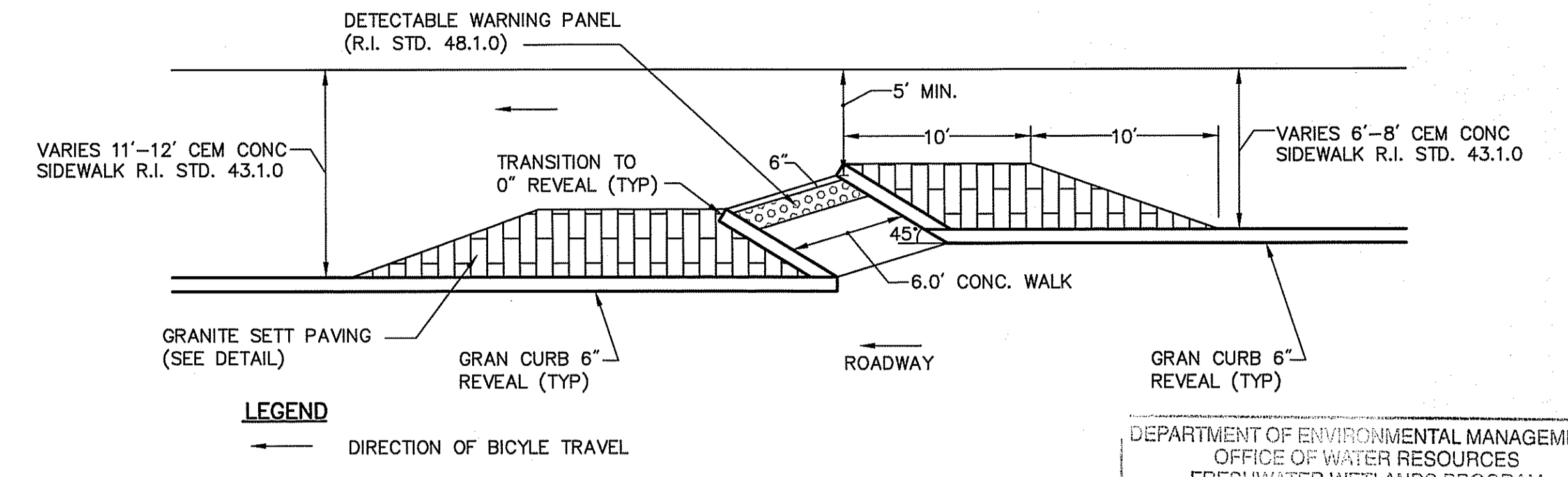
**FENCE POST**  
SCALE: 3/4" = 1'-0"

**SPLIT RAIL FENCE BICYCLE RAILING** (BR)  
SCALE: 1/2" = 1'-0"

NOTE:  
FIRST AND LAST SECTION OF A LINE OF SPLIT RAIL FENCE BICYCLE RAILING SHALL BEGIN/END WITH A 2' OFFSET TAPER

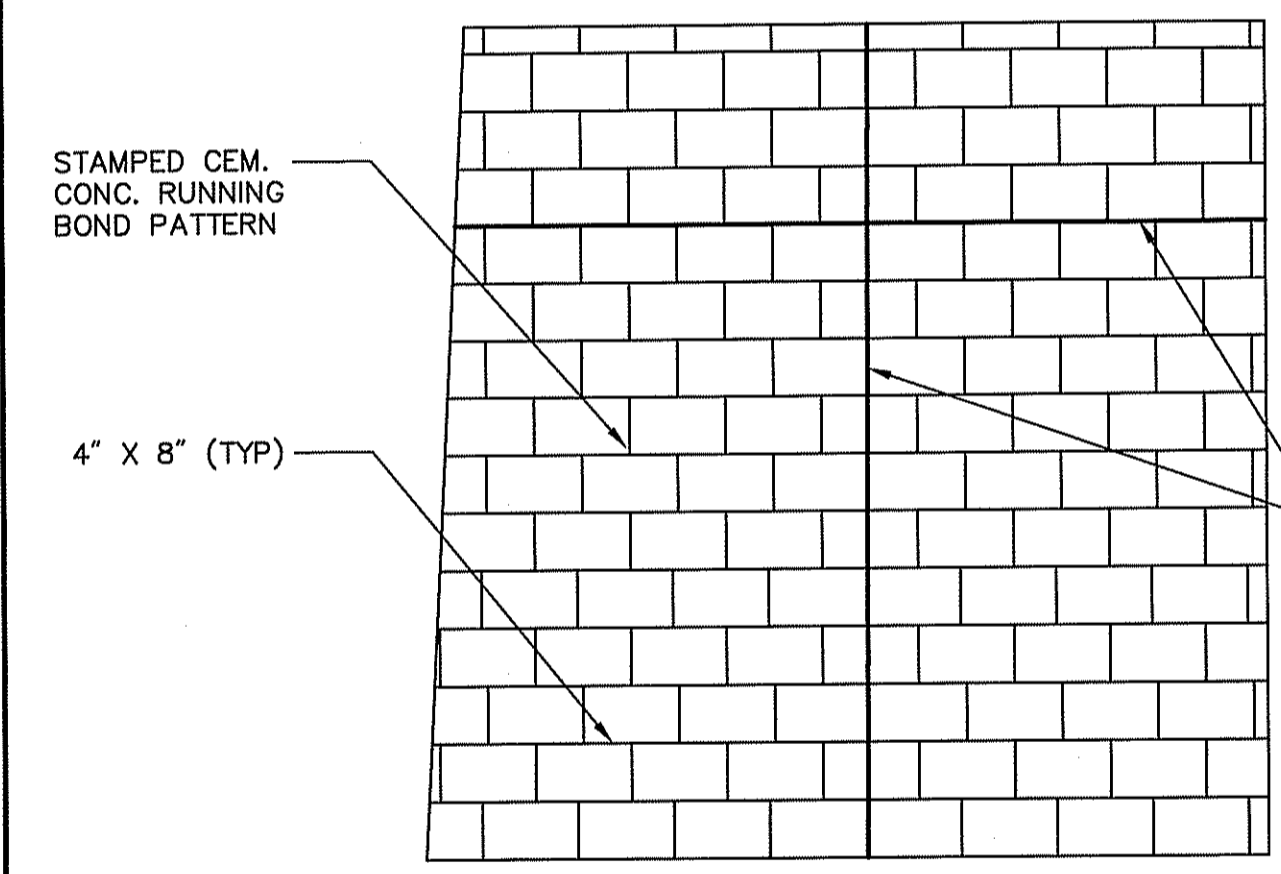


**CURB/WALL INSTALLATION IN EXISTING PAVEMENT**

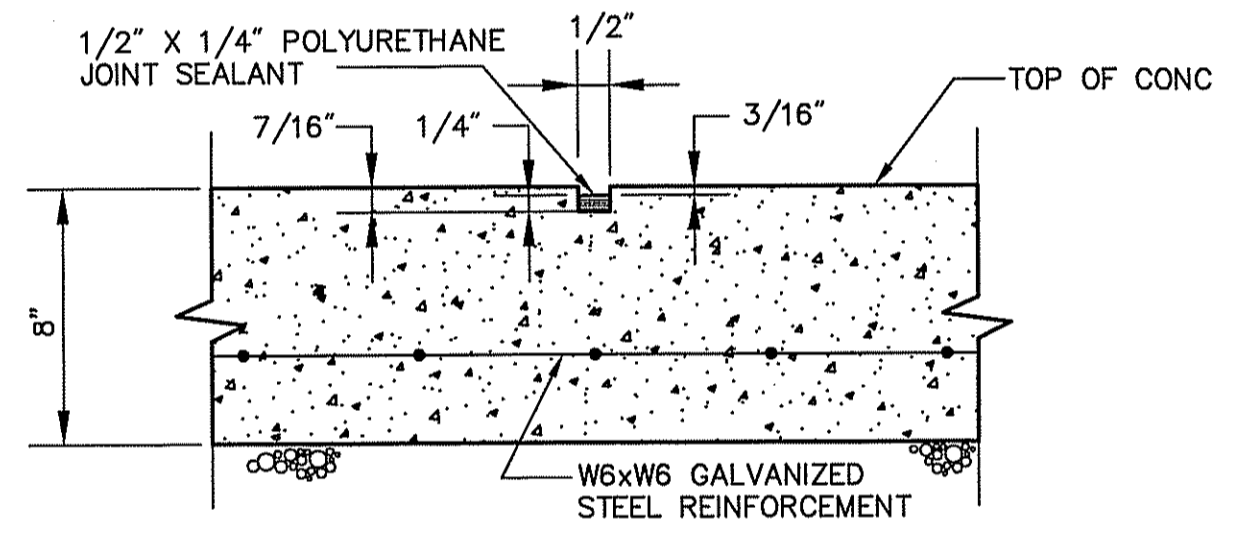


**BICYCLE SLIP RAMP** (BSR)  
NOT TO SCALE

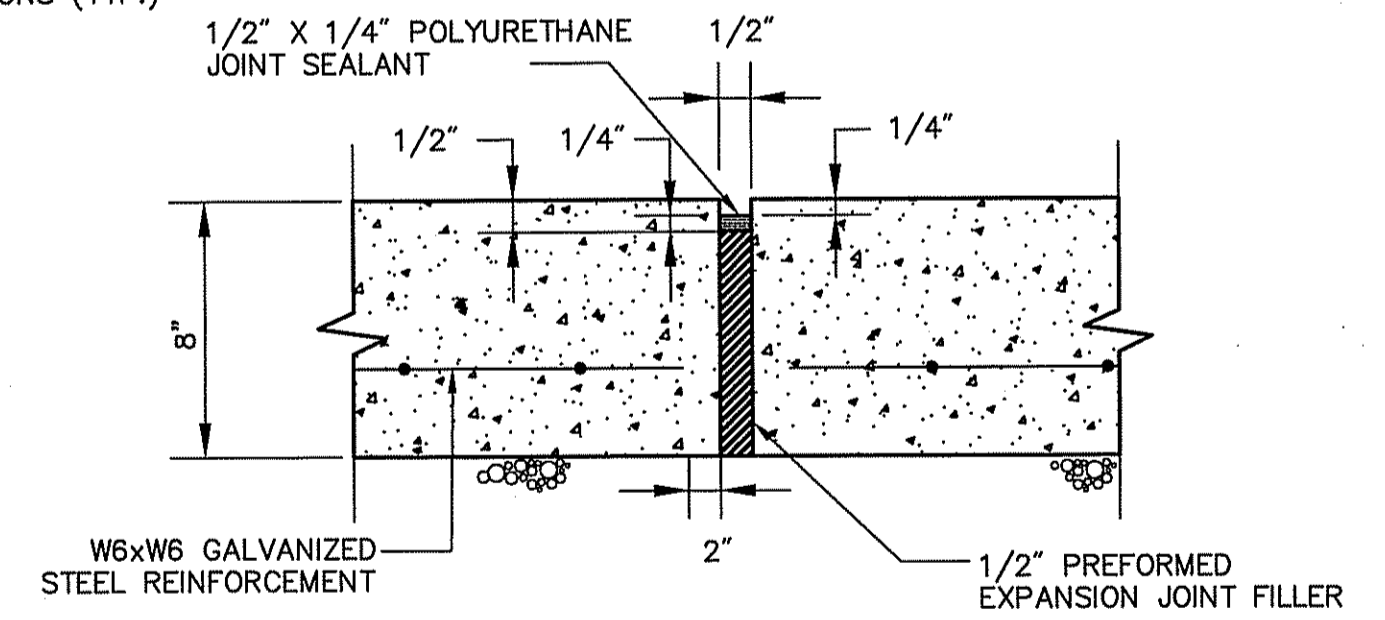
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 18 2017 FILE # 16-0299  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



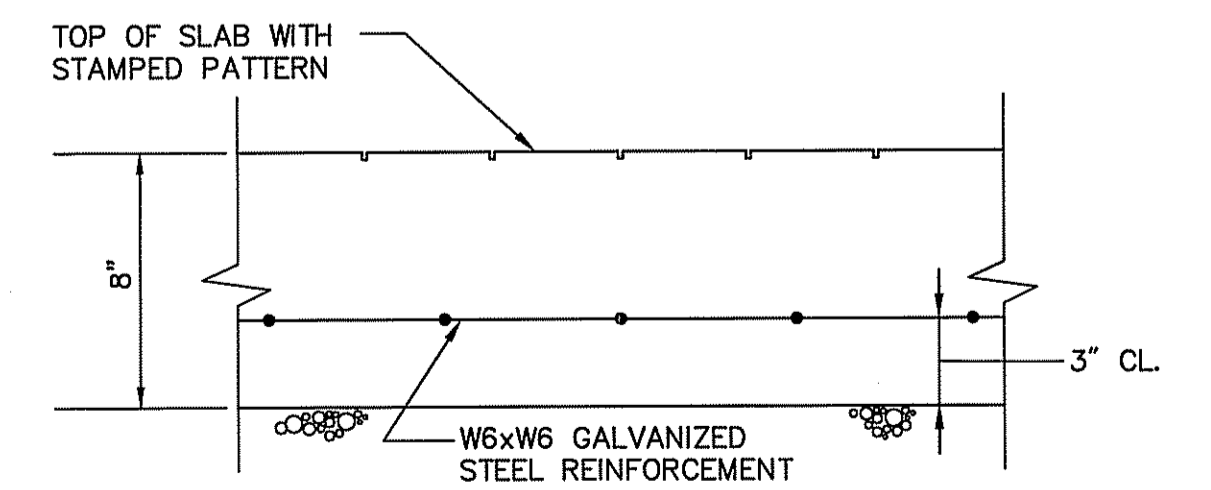
**PATTERN DETAIL**



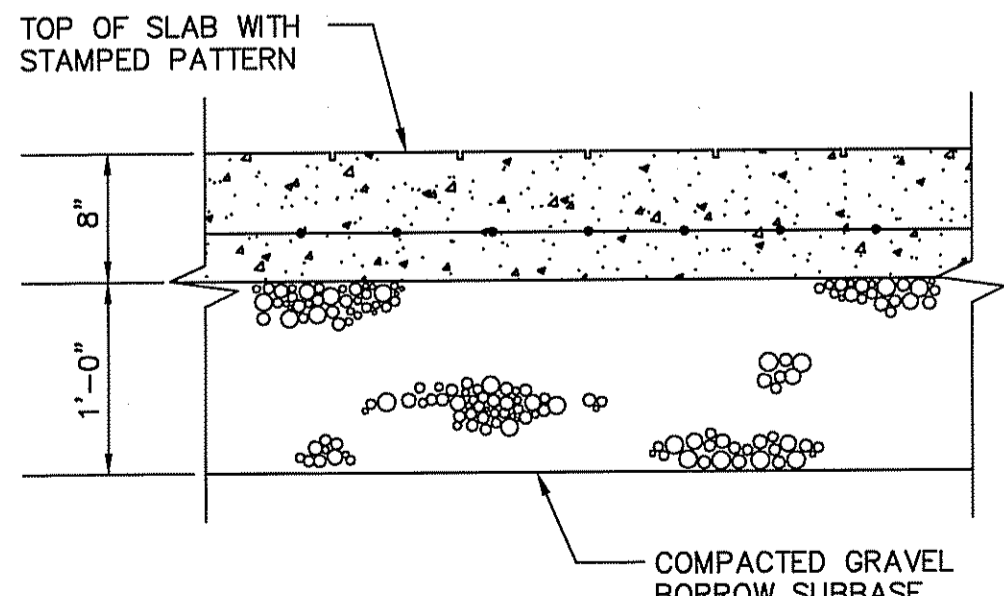
**SEALED CONTRACTION JOINT DETAILS**  
NOT TO SCALE



**EXPANSION CONTROL JOINT**  
NOT TO SCALE

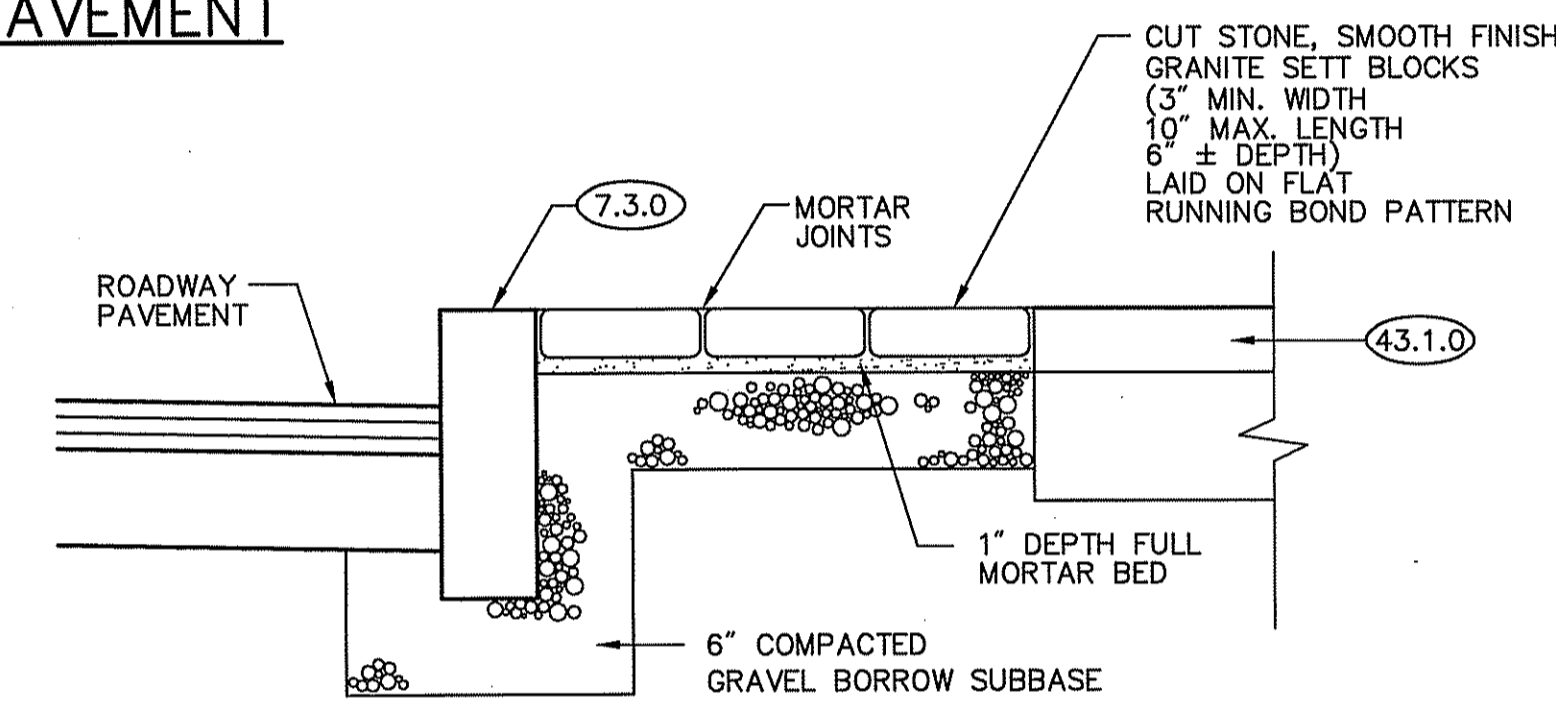


**REINFORCING DETAIL**  
NOT TO SCALE

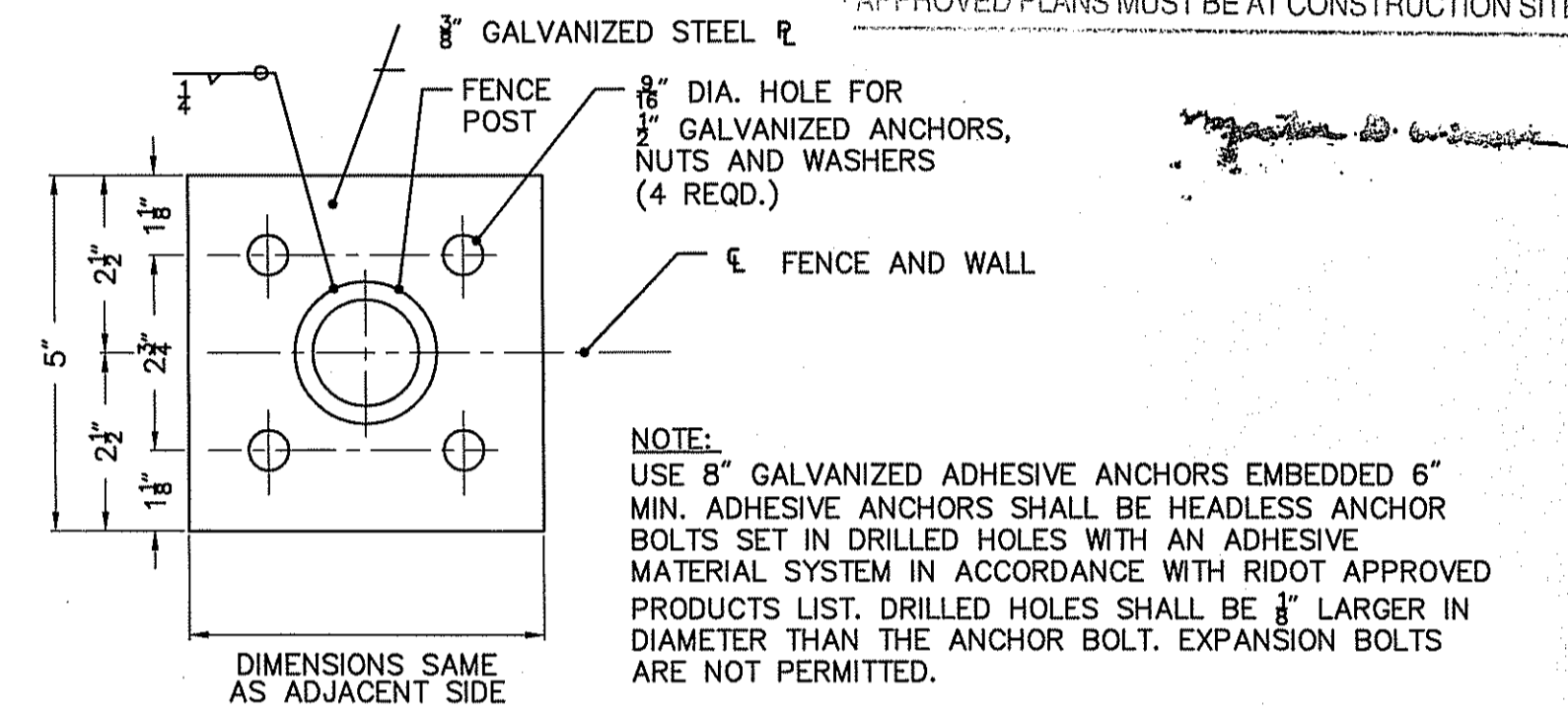


**ELEVATION**  
NOT TO SCALE

**CEMENT CONCRETE TRUCK APRON** (CTA)  
NOT TO SCALE

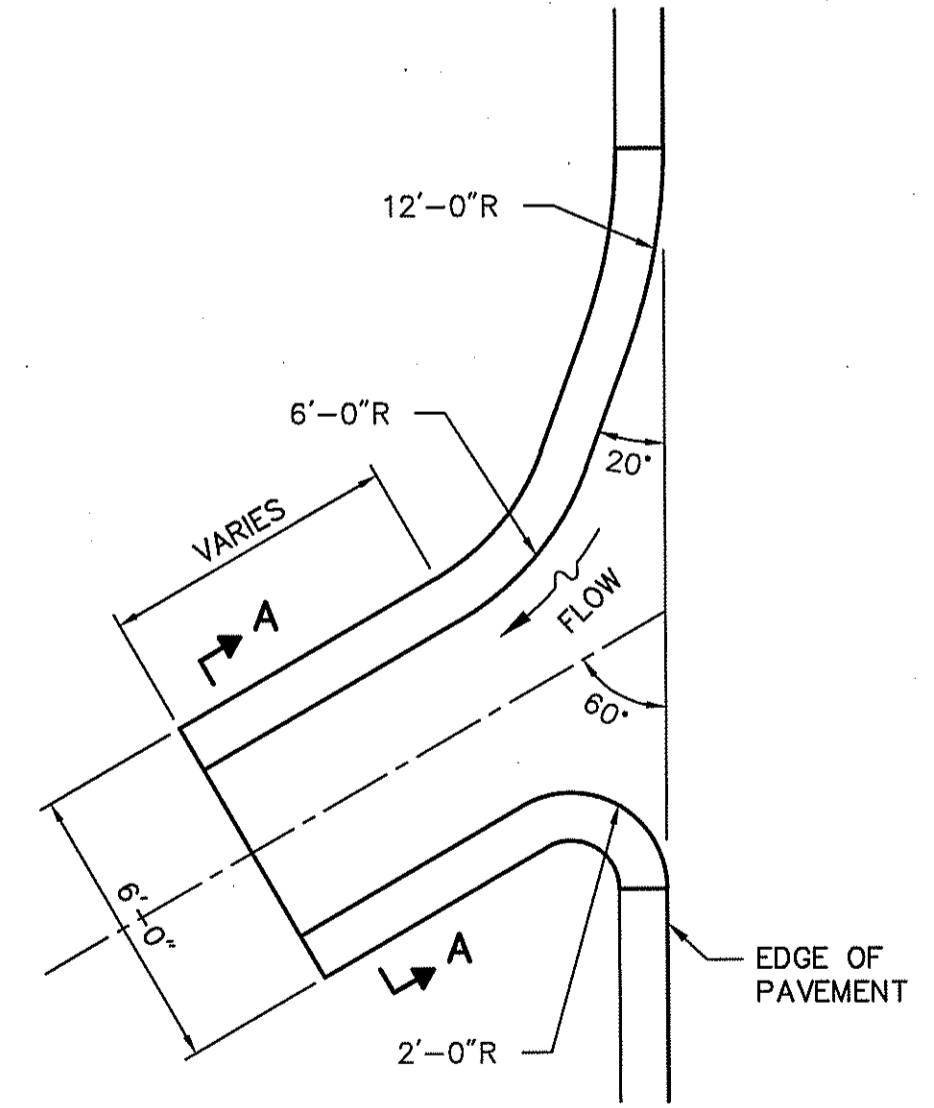


**GRANITE SETT PAVING** (GP)  
NOT TO SCALE

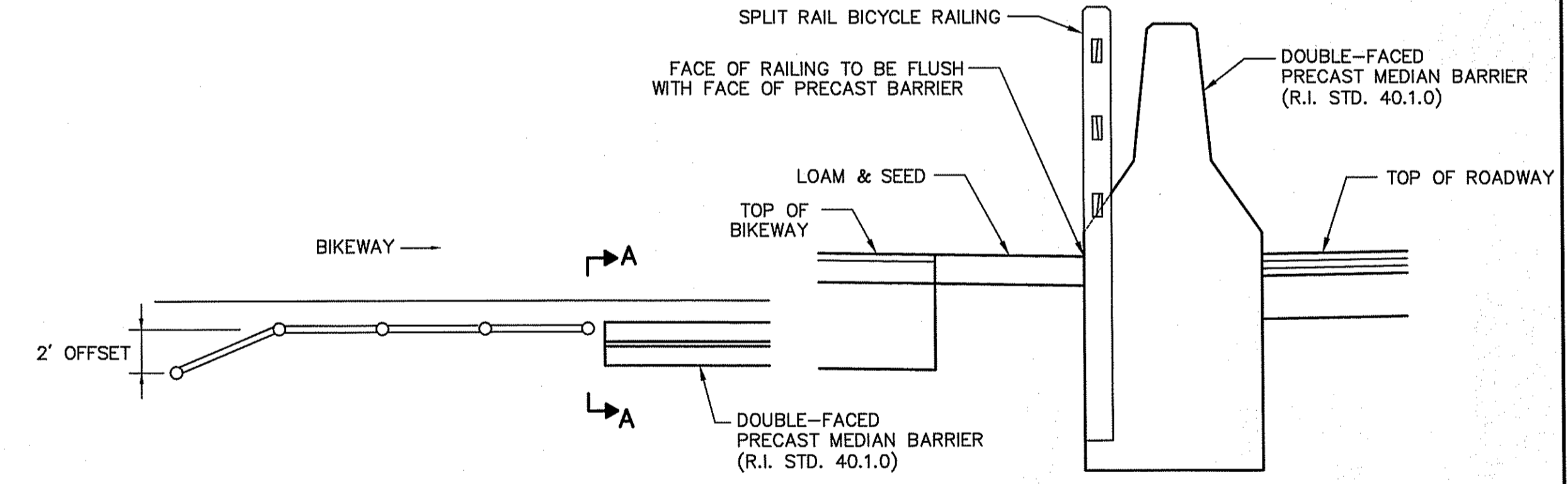


**FENCE MOUNTING ON CONCRETE RETAINING WALL RI STD. 10.3.0**  
NOT TO SCALE

NOTE:  
USE 8" GALVANIZED ADHESIVE ANCHORS EMBEDDED 6" MIN. ADHESIVE ANCHORS SHALL BE HEADLESS ANCHOR BOLTS SET IN DRILLED HOLES WITH AN ADHESIVE MATERIAL SYSTEM IN ACCORDANCE WITH RIDOT APPROVED PRODUCTS LIST. DRILLED HOLES SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT. EXPANSION BOLTS ARE NOT PERMITTED.



**PAVED WATERWAY - MODIFIED** (8.4.0M)  
NOT TO SCALE



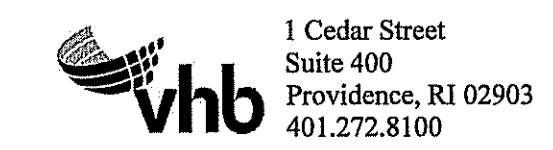
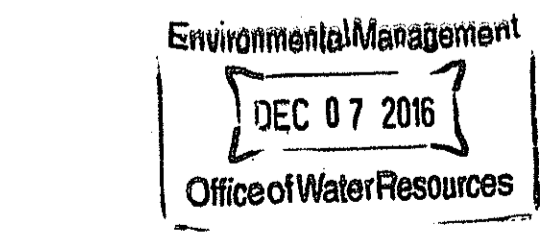
**BICYCLE RAILING/MEDIAN BARRIER TRANSITION DETAIL**  
NOT TO SCALE

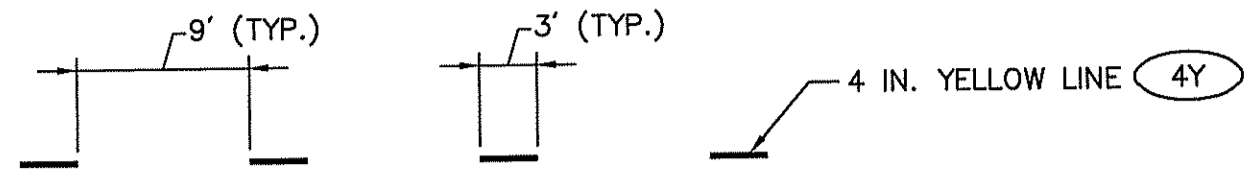
REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION  
BLACKSTONE RIVER BIKEWAY  
SEGMENT 8B-1  
WOONSOCKET RHODE ISLAND

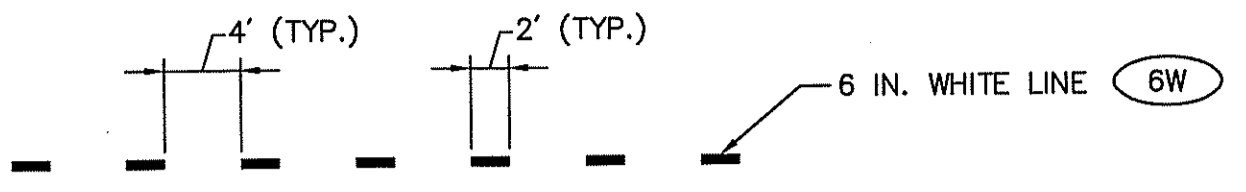
**DETAIL PLAN NO. 1**

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_

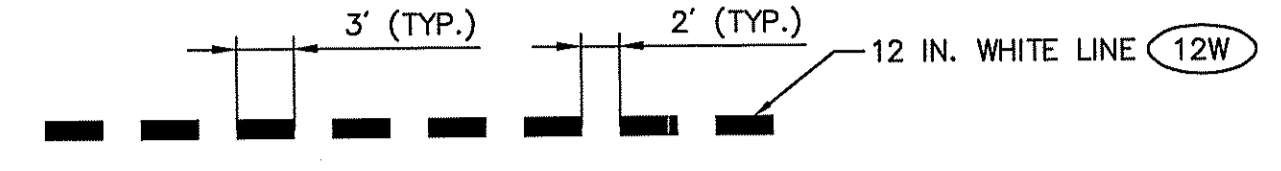




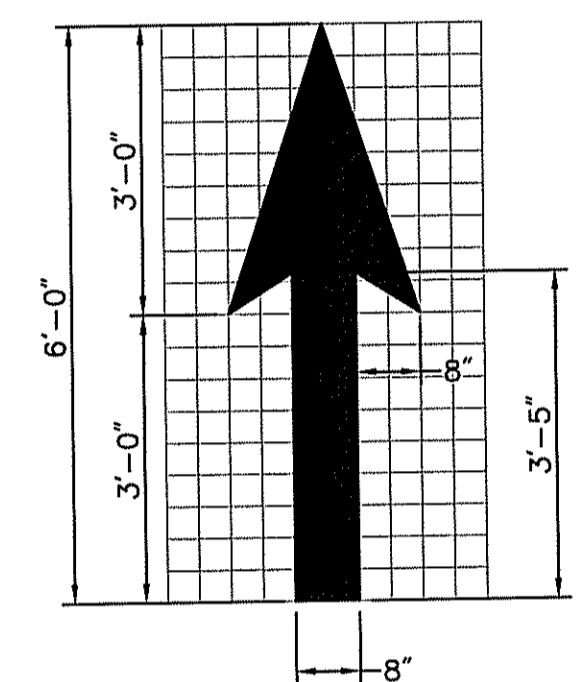
**SHARED USE PATH CENTER LINE MARKING DETAIL** (49YL)  
NOT TO SCALE



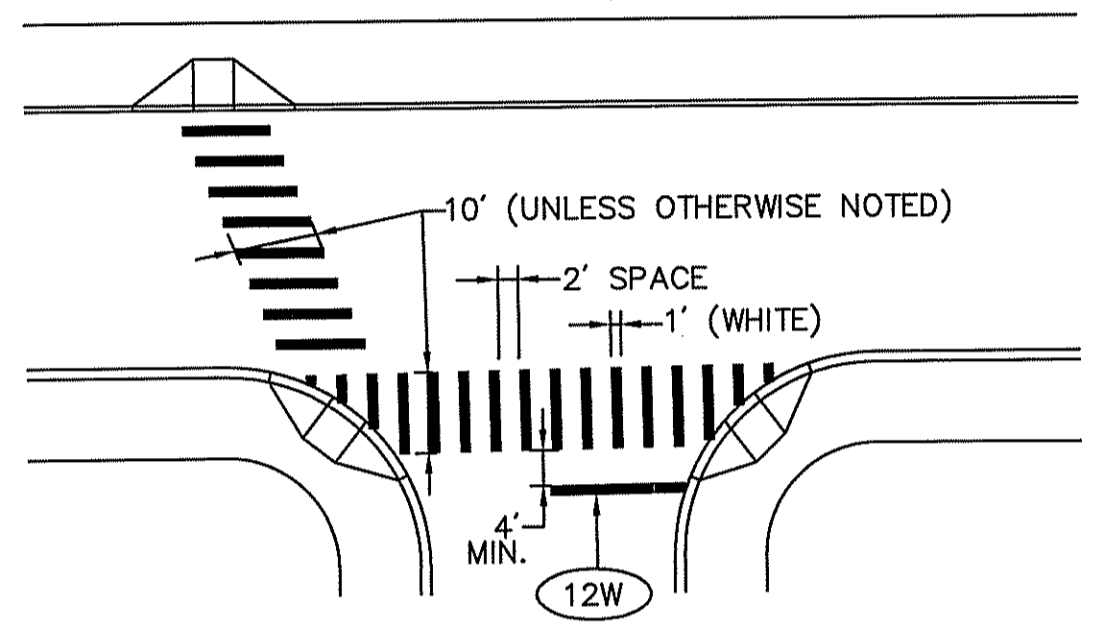
**INTERSECTION GUIDE LINE MARKING DETAIL** (6DSW)  
NOT TO SCALE



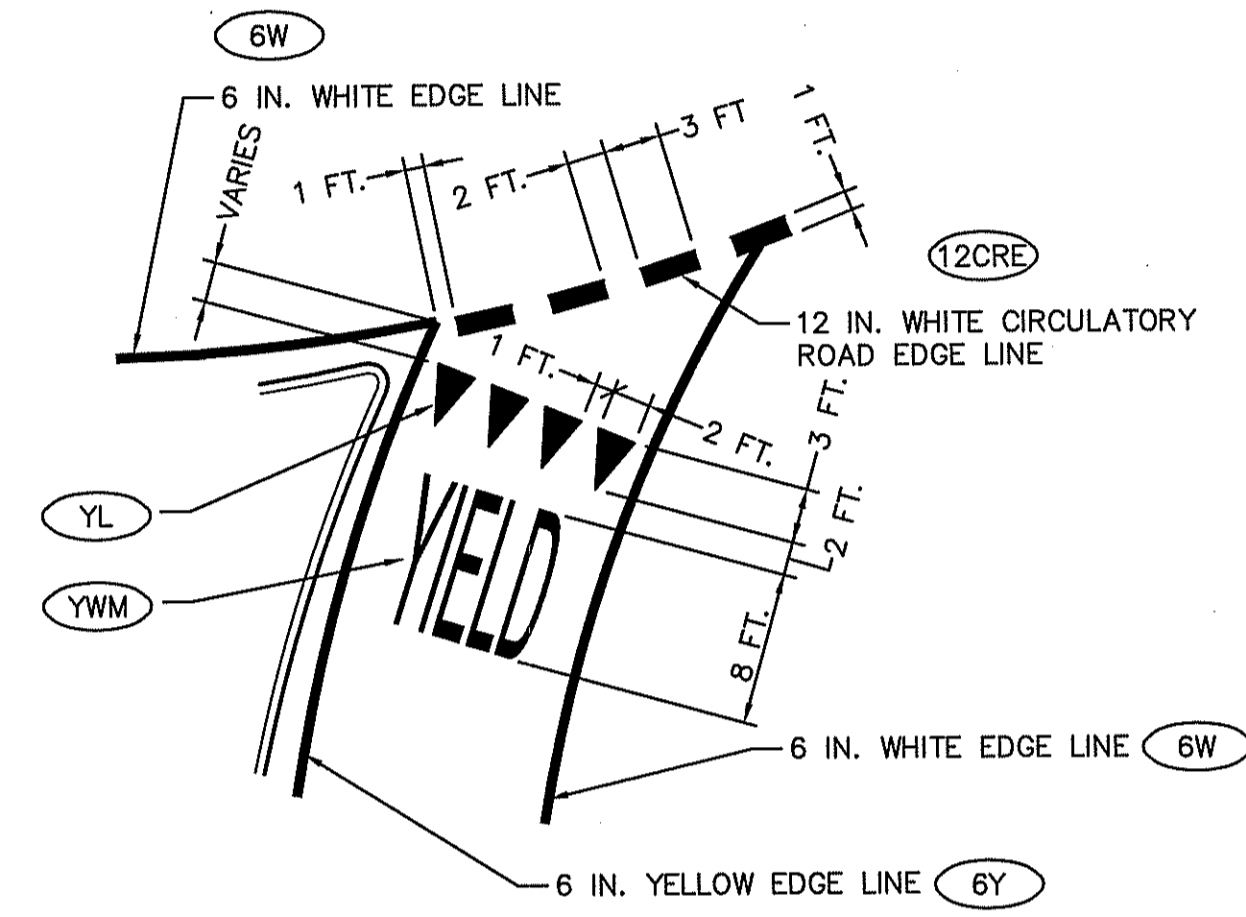
**ROUNABOUT SKIP STRIPING DETAILS** (12CRE)  
NOT TO SCALE



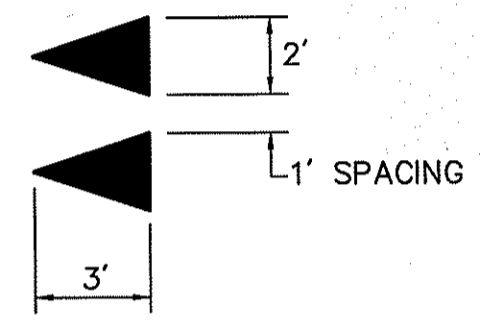
**STRAIGHT ARROW PAVEMENT MARKING DETAIL** (BLM)  
NOT TO SCALE



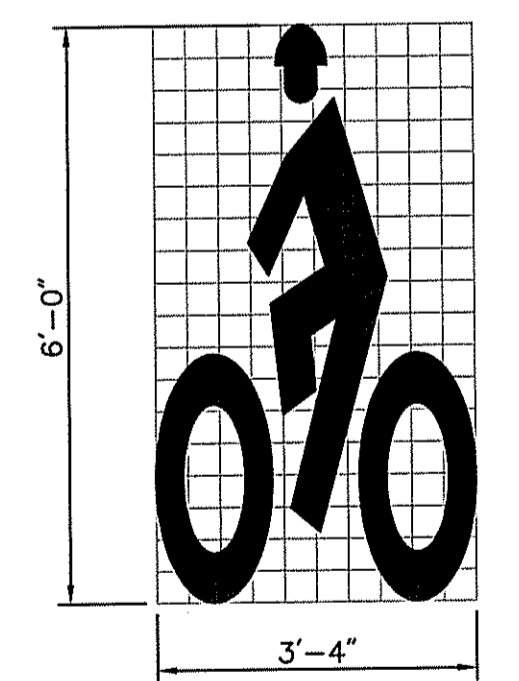
**CROSS WALK DETAIL** (CW)  
NOT TO SCALE



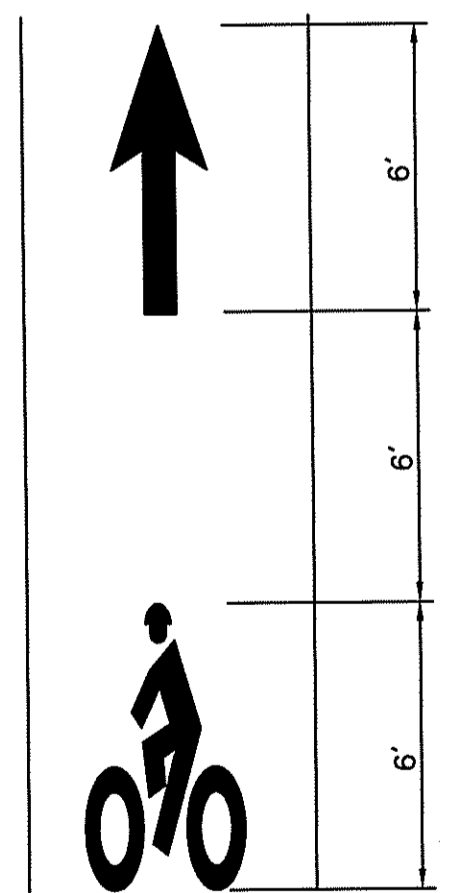
**YIELD STRIPING DETAIL**  
NOT TO SCALE



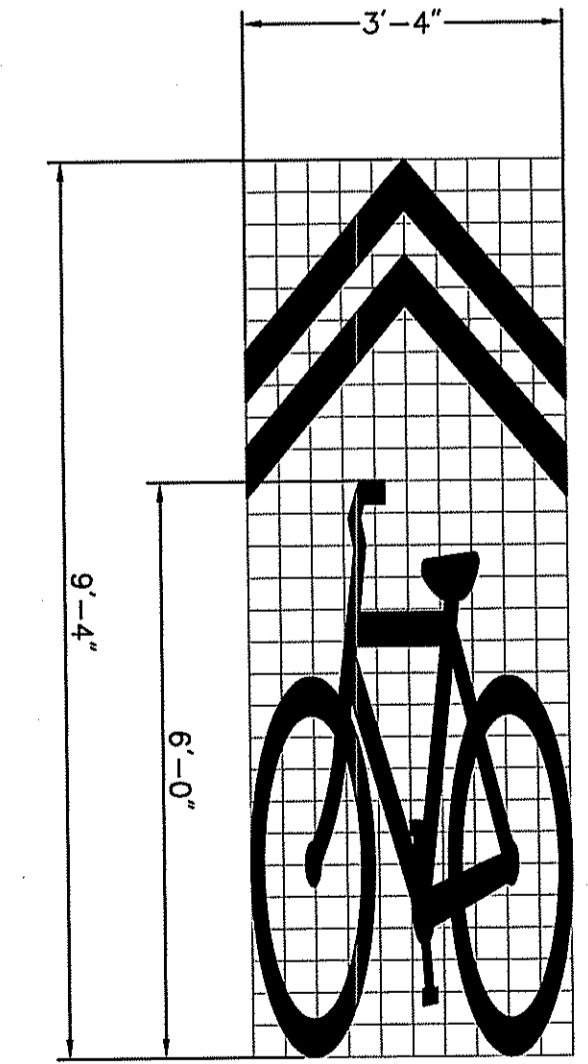
**TYPICAL YIELD LINE MARKINGS** (YL)  
NOT TO SCALE



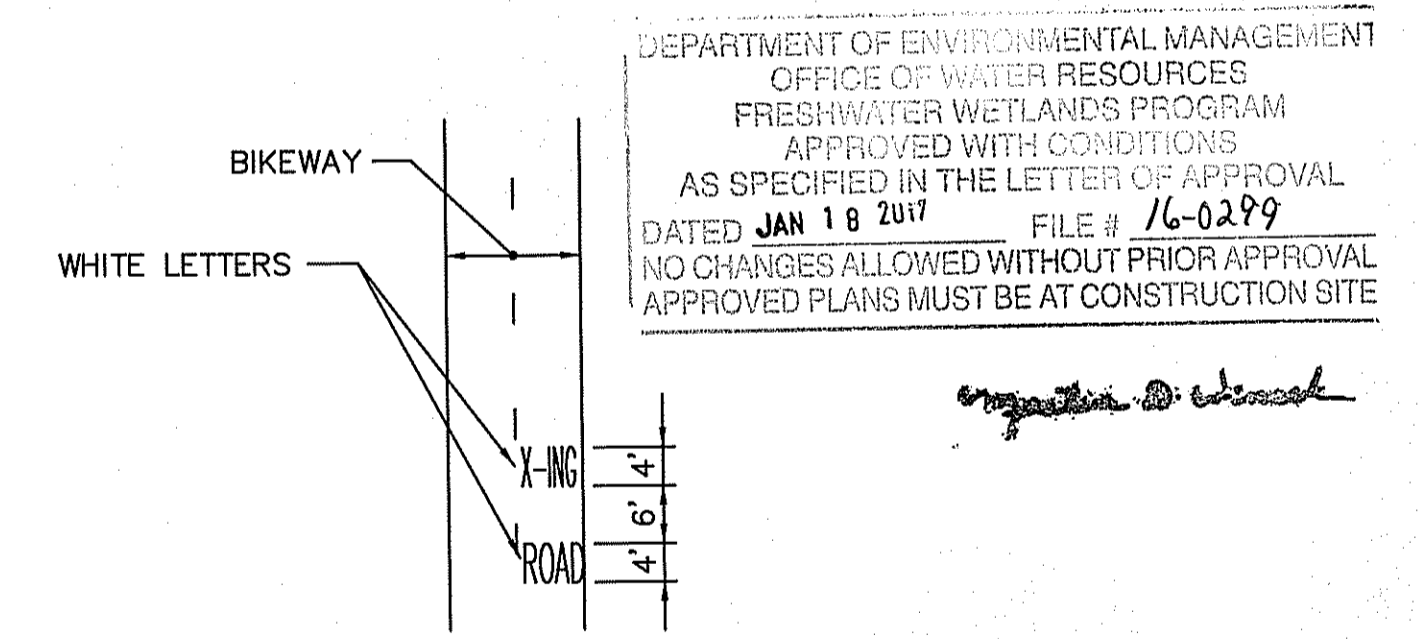
**HELMETED BICYCLIST PAVEMENT MARKING DETAIL** (BLM)  
NOT TO SCALE



**HELMETED BICYCLIST SYMBOL WITH ARROW DETAIL** (BLM)  
NOT TO SCALE



**SHARE THE ROAD PAVEMENT MARKING DETAIL** (SLM)  
NOT TO SCALE



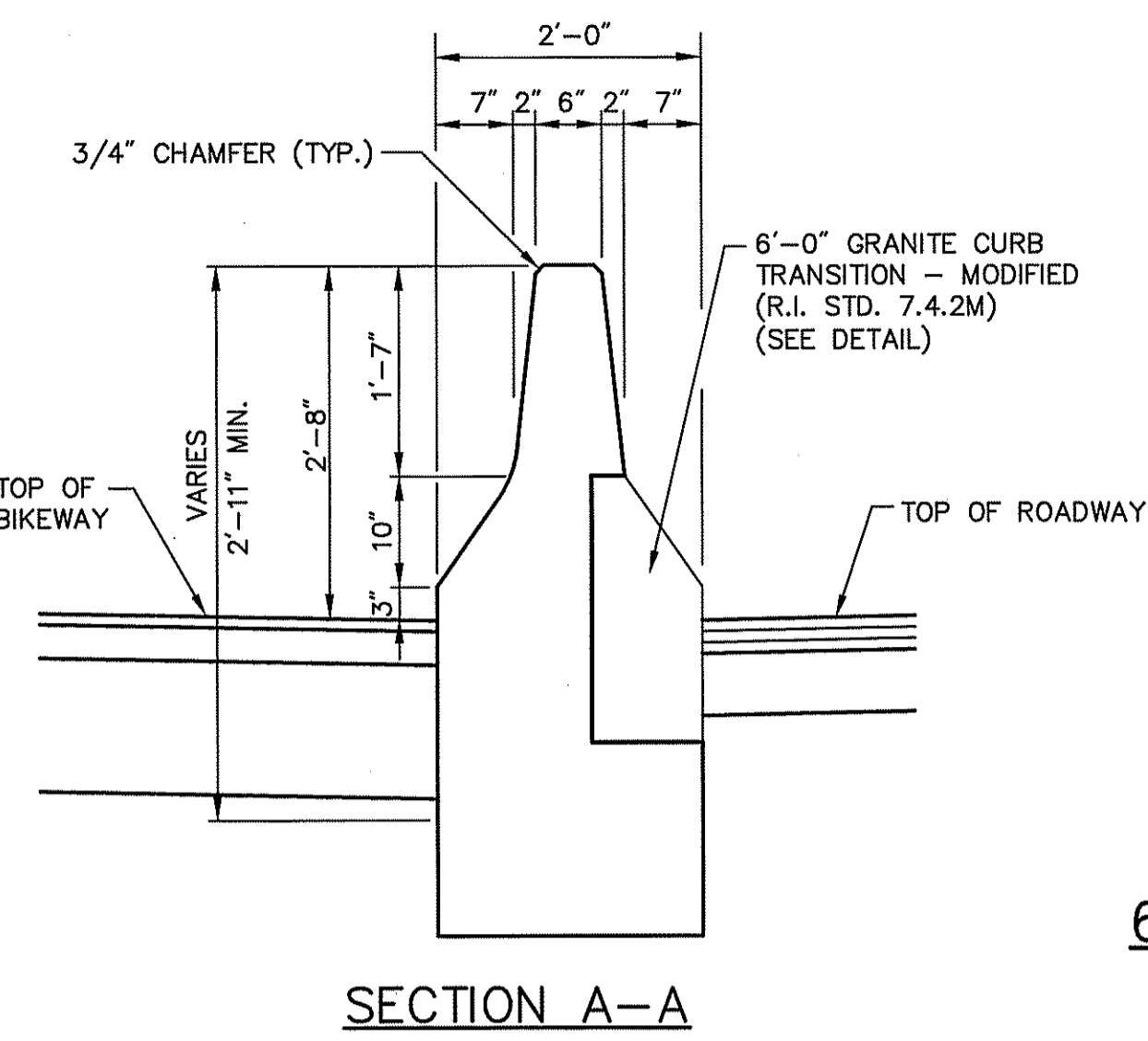
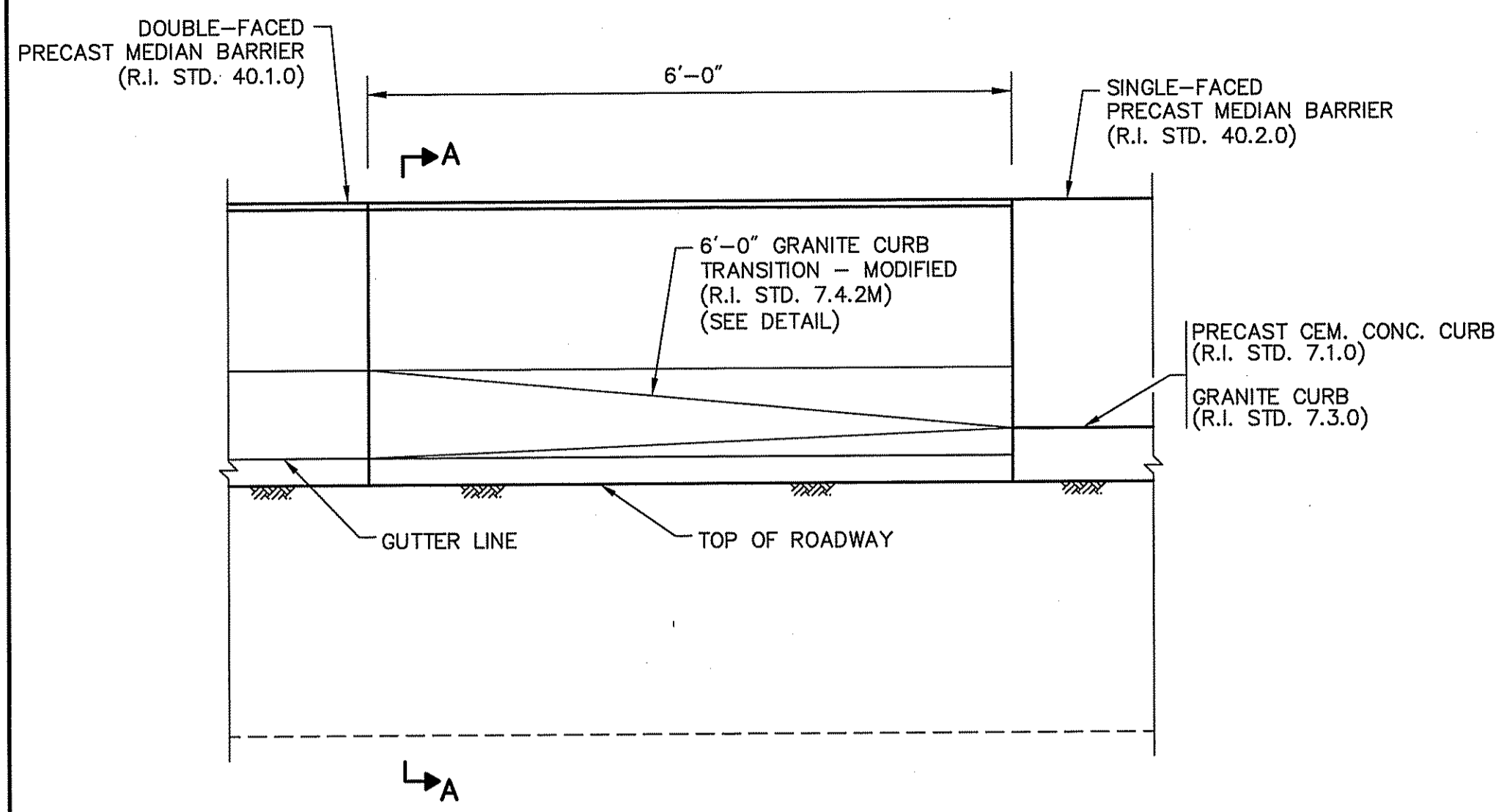
**ROAD CROSSING PAVEMENT MARKING DETAIL** (RXM)  
NOT TO SCALE

NOTE: ARROW AND SYMBOL SHALL MEET THE DIMENSIONS OF MUTCD-2009 EDITION.

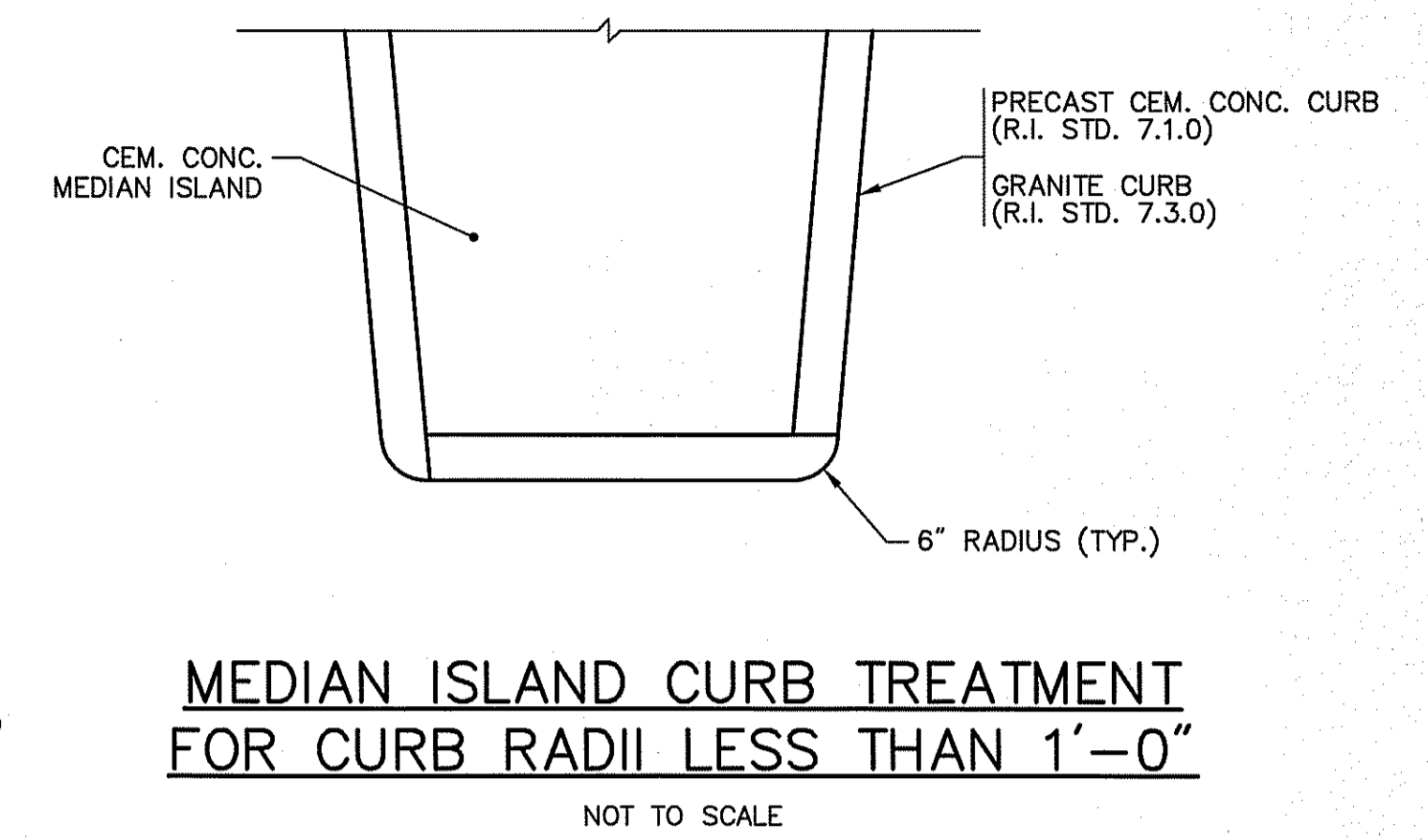
Environmental Management  
DEC 07 2016  
Office of Water Resources

REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			BLACKSTONE RIVER BIKEWAY	
			SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
			DETAIL PLAN NO. 2	
			CHECKED BY	DATE
				SCALE

vhb  
1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100

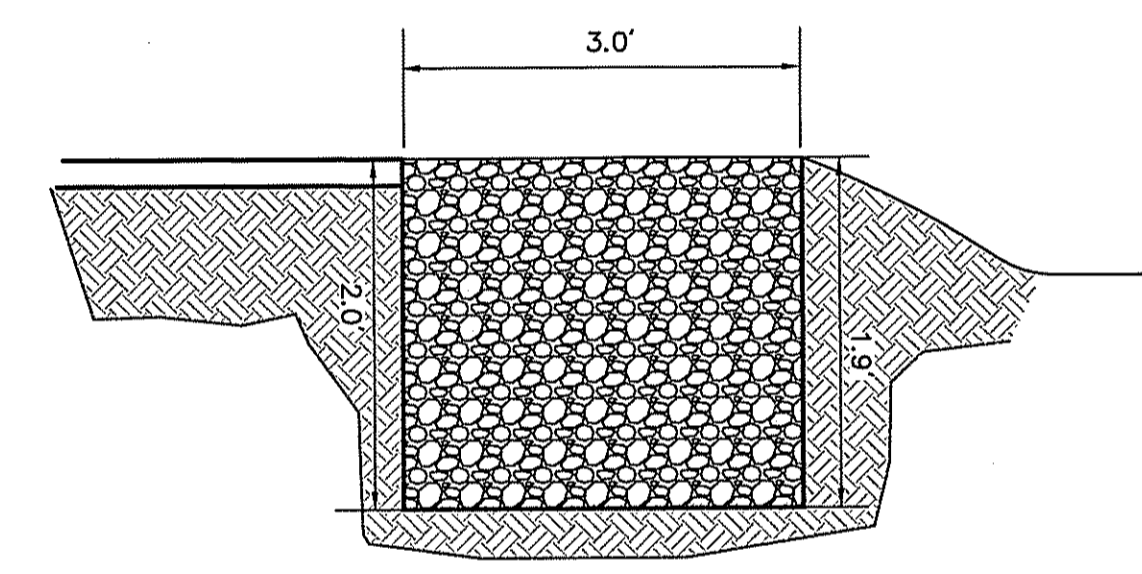


6'-0" GRANITE CURB TRANSITION - MODIFIED (7.4.2M) NOT TO SCALE



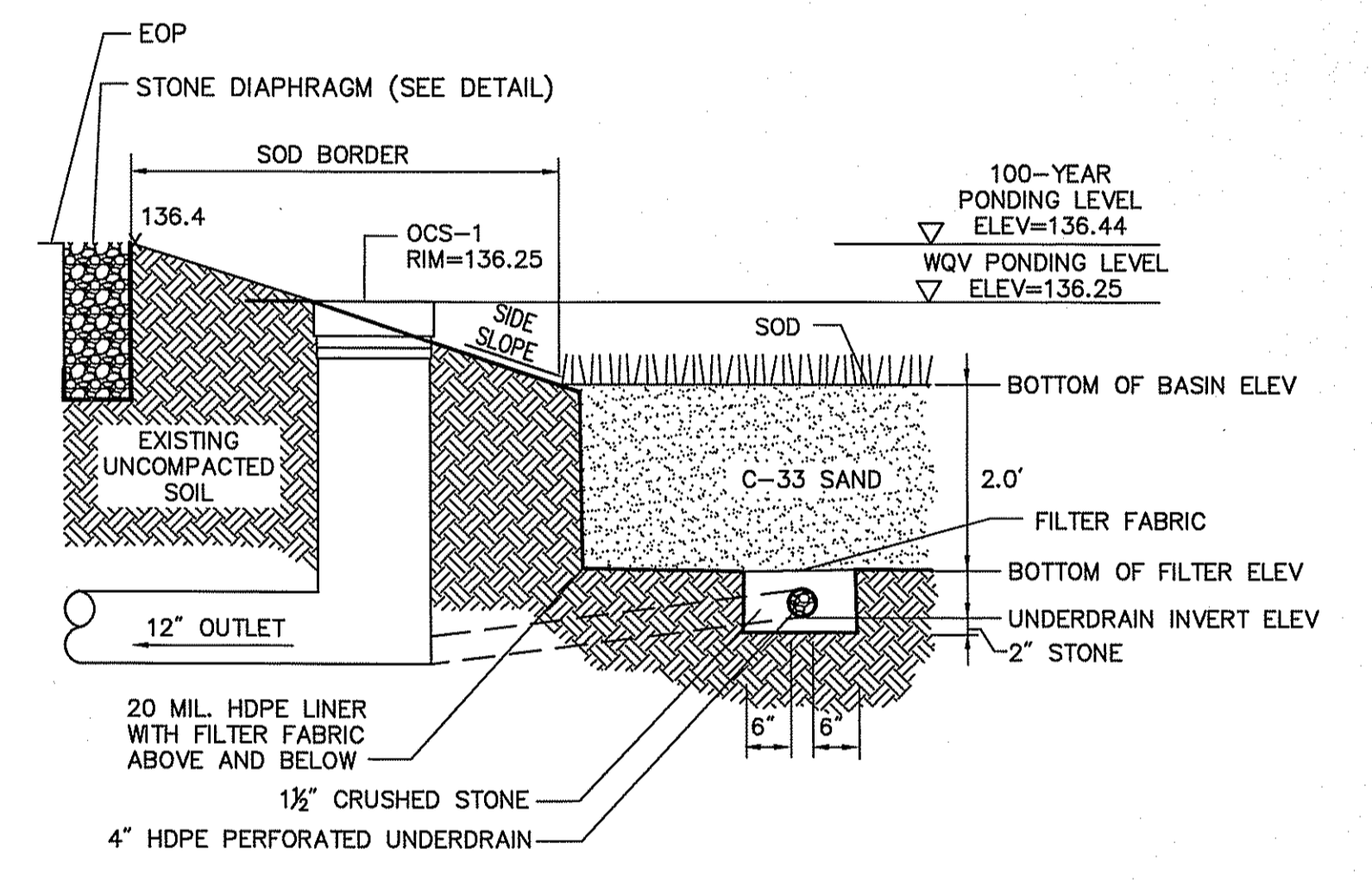
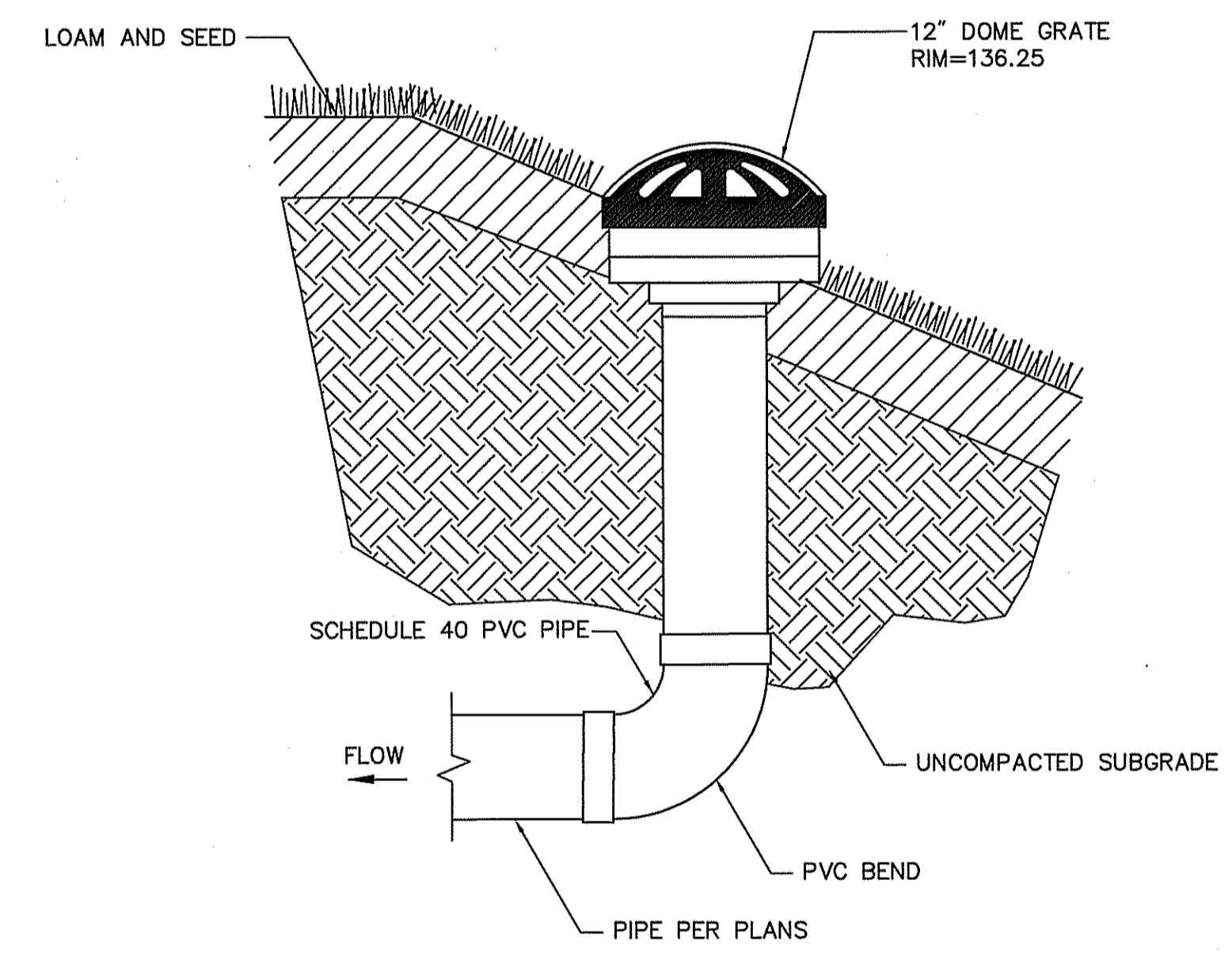
MEDIAN ISLAND CURB TREATMENT FOR CURB RADII LESS THAN 1'-0" NOT TO SCALE

CAST IN PLACE TRANSITION BARRIER TO ACCEPT 7.4.2M CURB TRANSITION (TBD) NOT TO SCALE



NOTES:  
1. LENGTH OF STONE DIAPHRAGM PER PLANS.

STONE DIAPHRAGM (SD1x) NOT TO SCALE

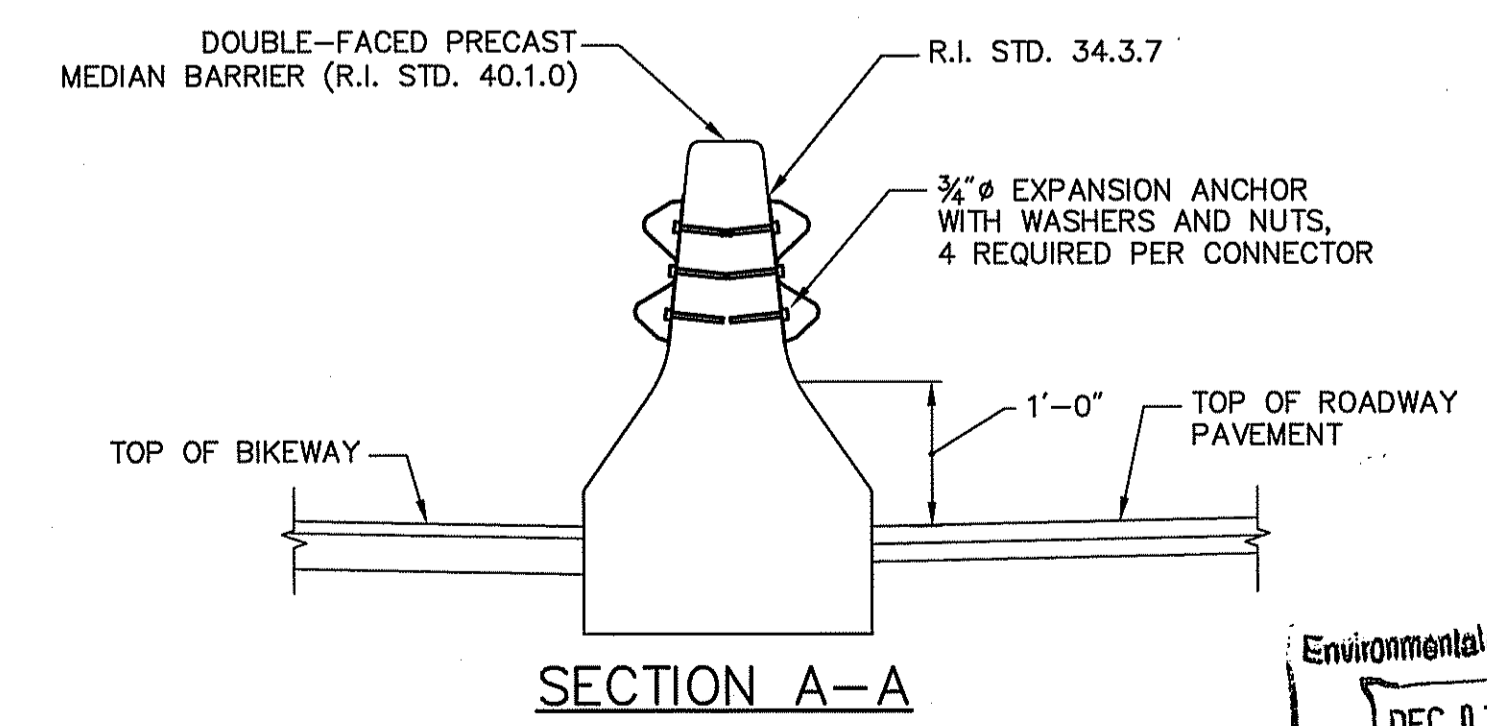
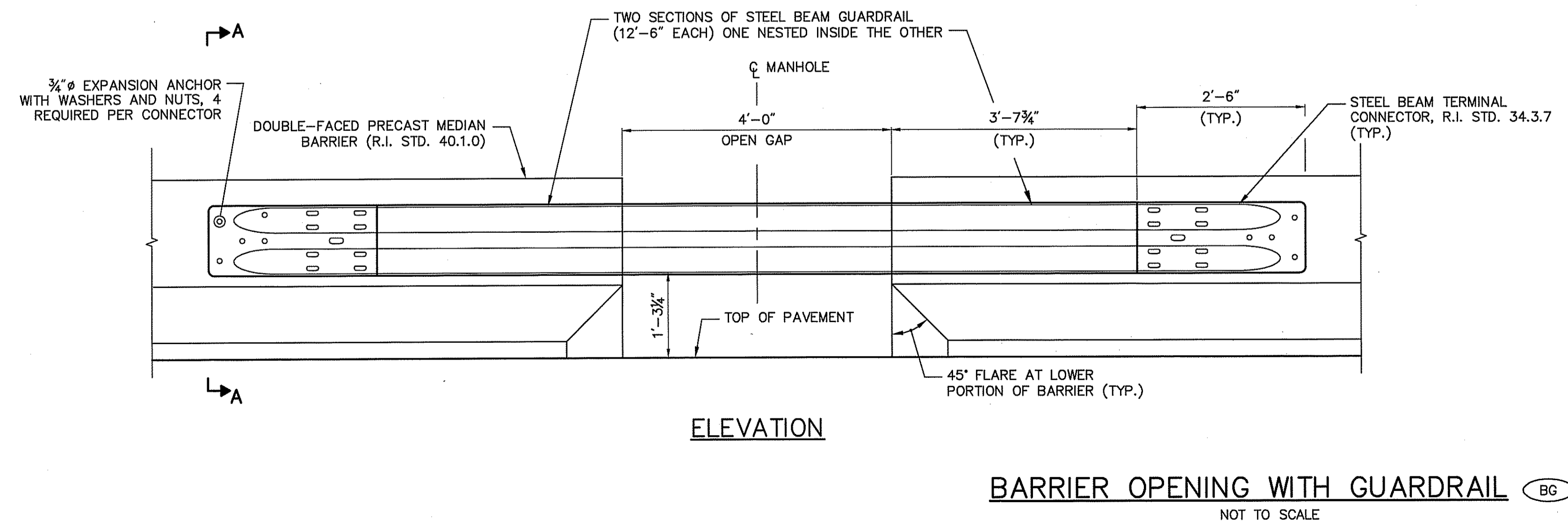


SF	RIM ELEV	BOTTOM OF BASIN ELEV	FILTER AREA (SQ. FT.)	BOTTOM OF FILTER ELEV	SIDE SLOPE
SF1	136.25	135.5	555	133.5	3:1

SAND FILTER (SF1) NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 18 2017 FILE # /16-0299  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Virginia D. Whitcher*

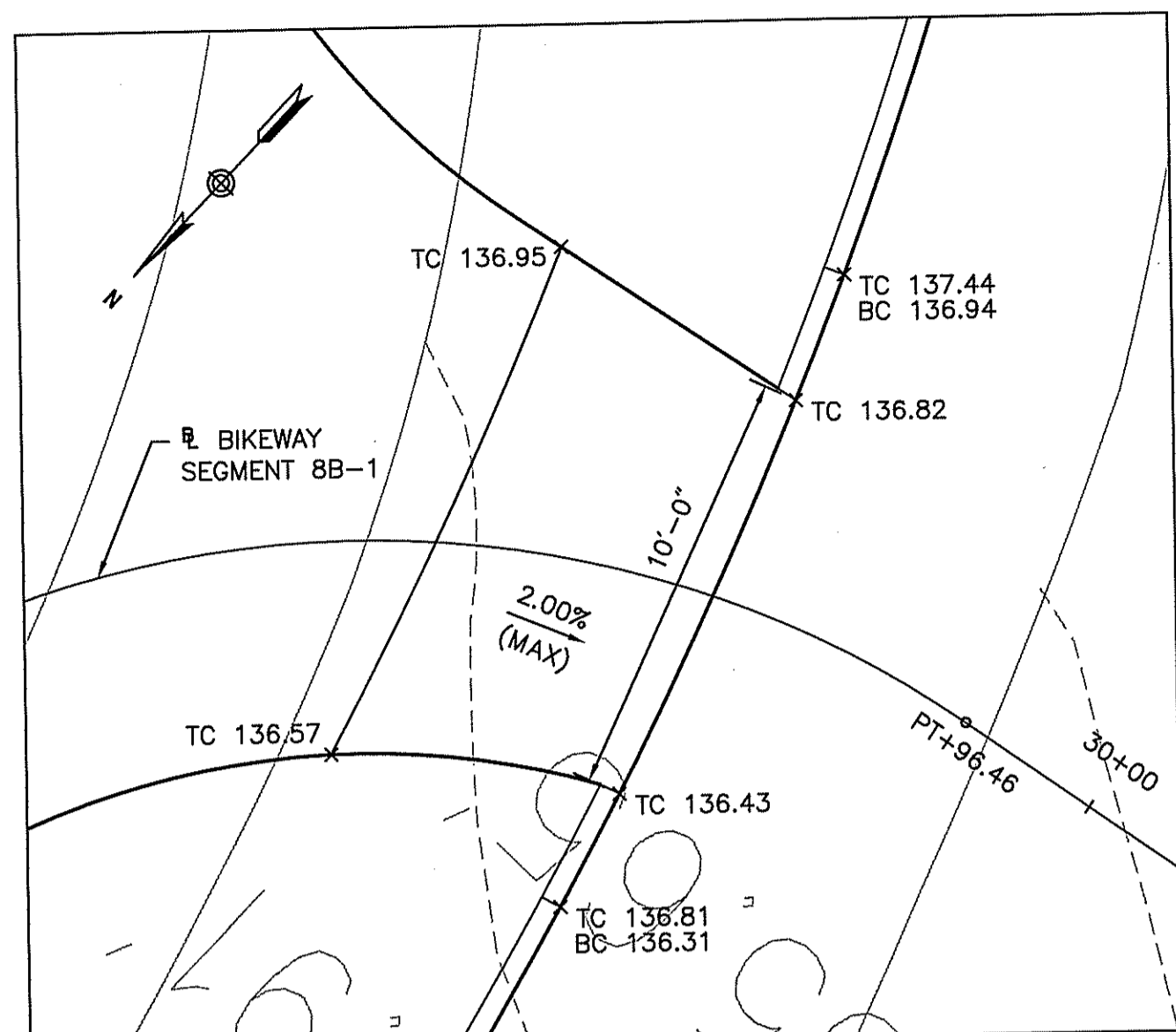


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DEC 07 2016  
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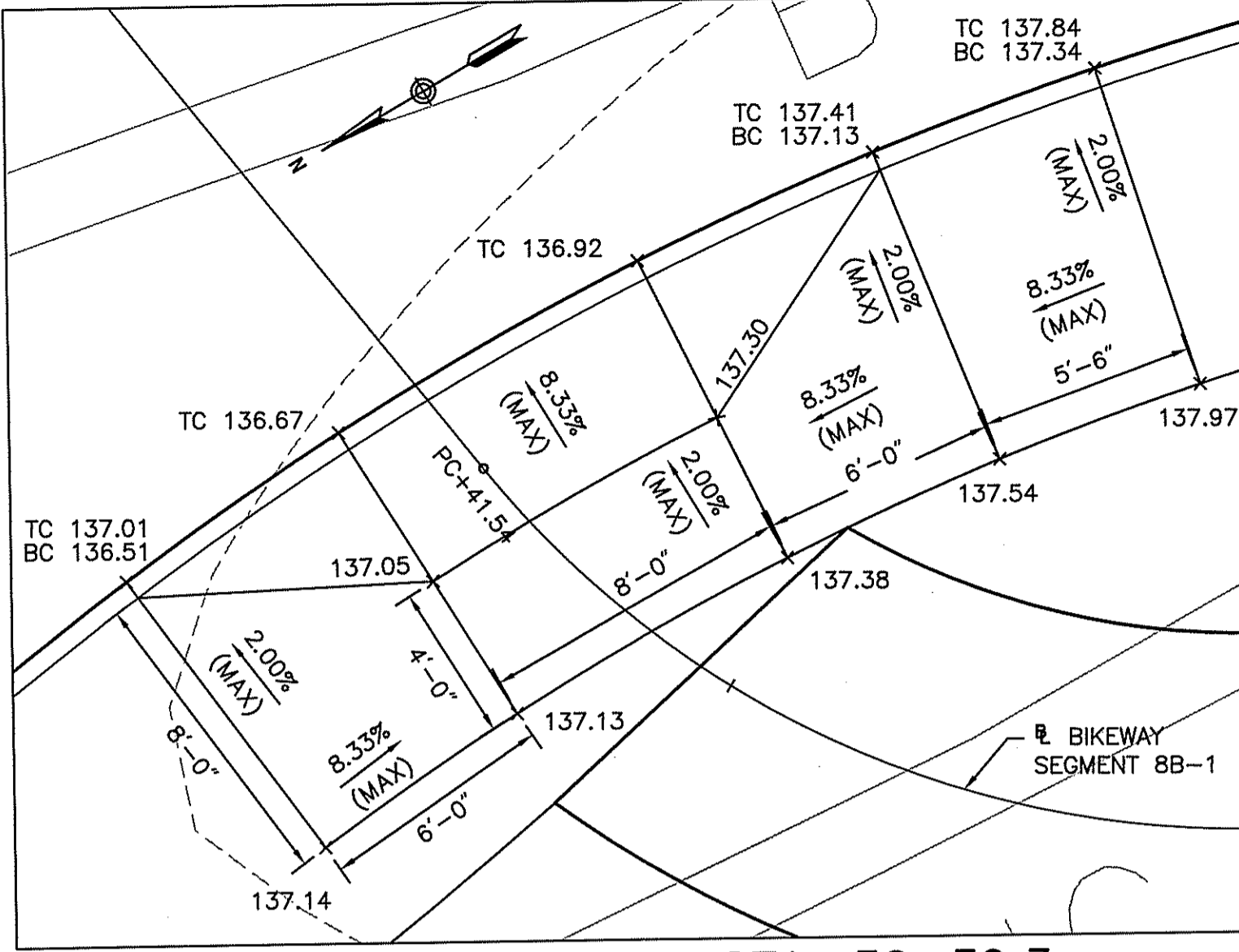
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
			BLACKSTONE RIVER BIKEWAY SEGMENT 8B-1	
			WOONSOCKET	RHODE ISLAND
DETAIL PLAN NO. 3				
CHECKED BY _____			DATE _____	SCALE _____

1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100

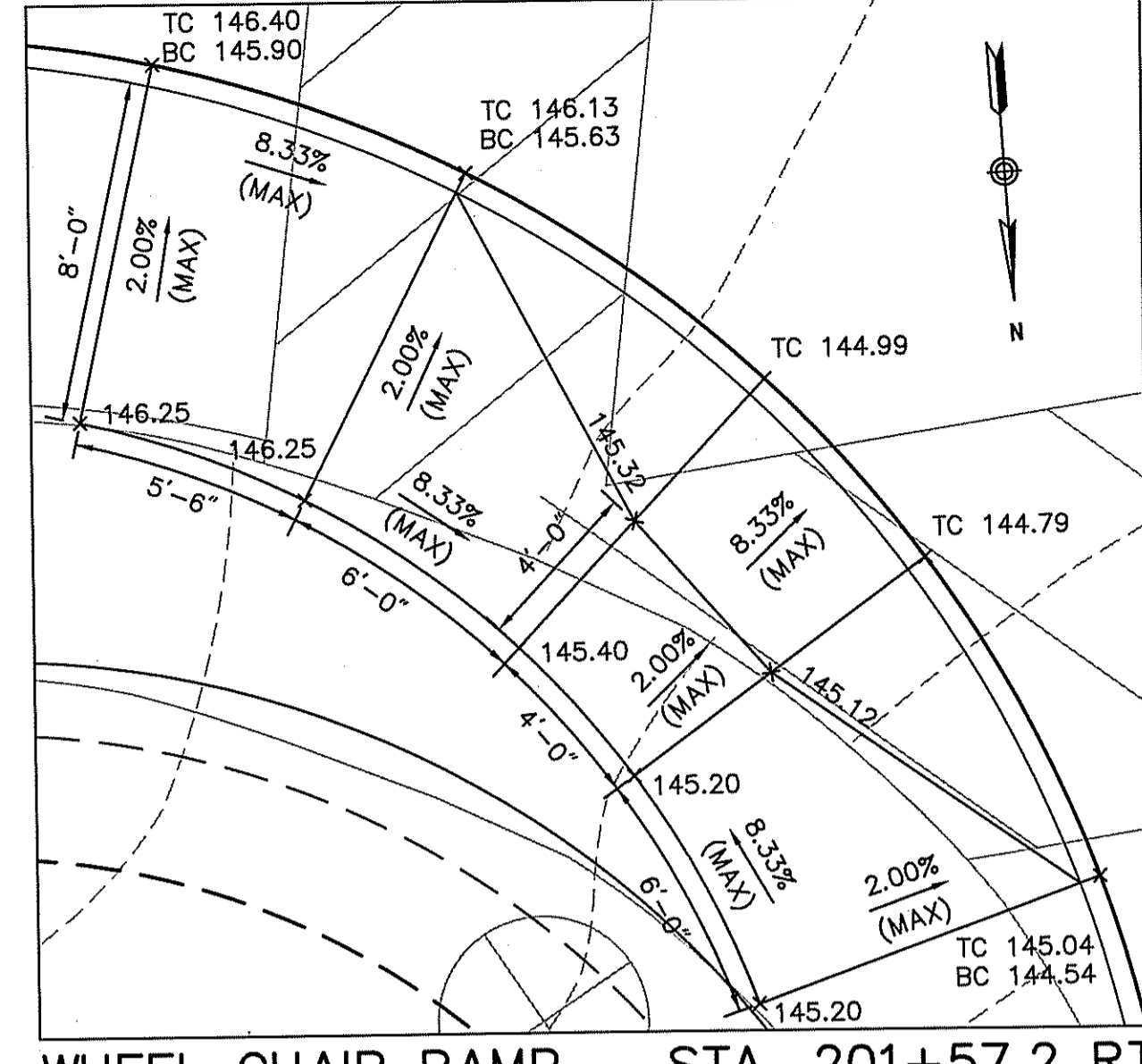
**vhb**



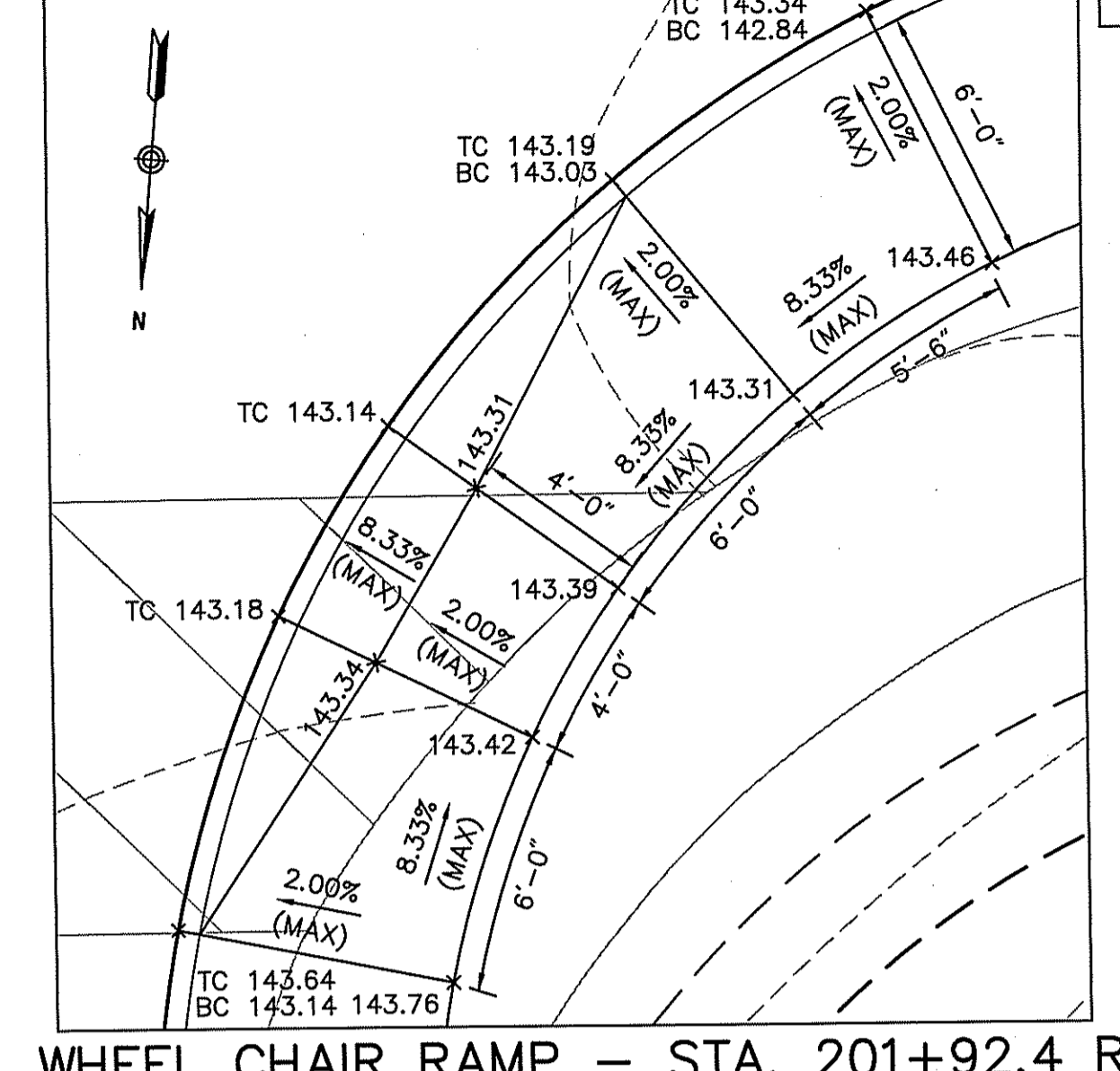
**WHEEL CHAIR RAMP – STA. 29+89.8**  
SCALE: 1/4" = 1'-0"



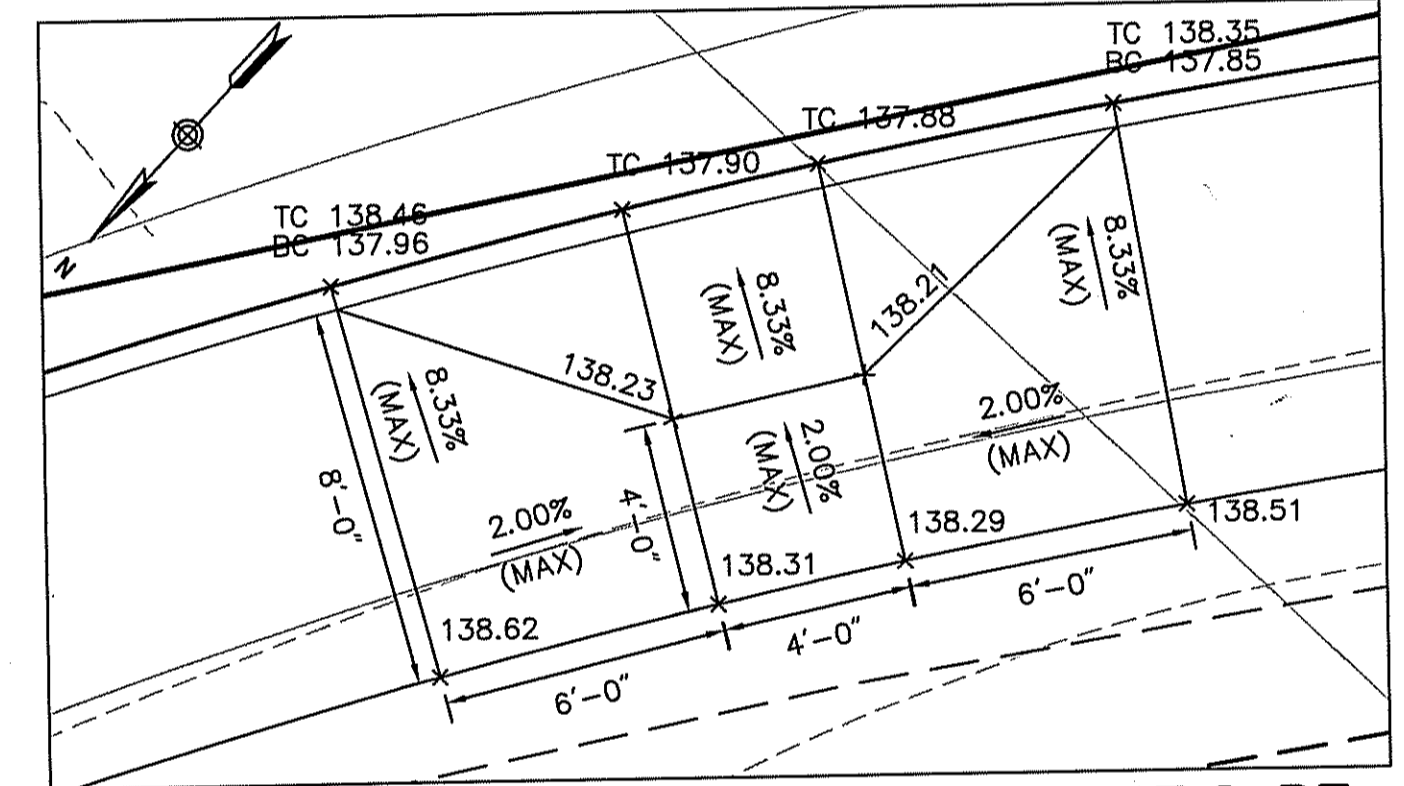
**WHEEL CHAIR RAMP – STA. 30+39.3**  
SCALE: 1/4" = 1'-0"



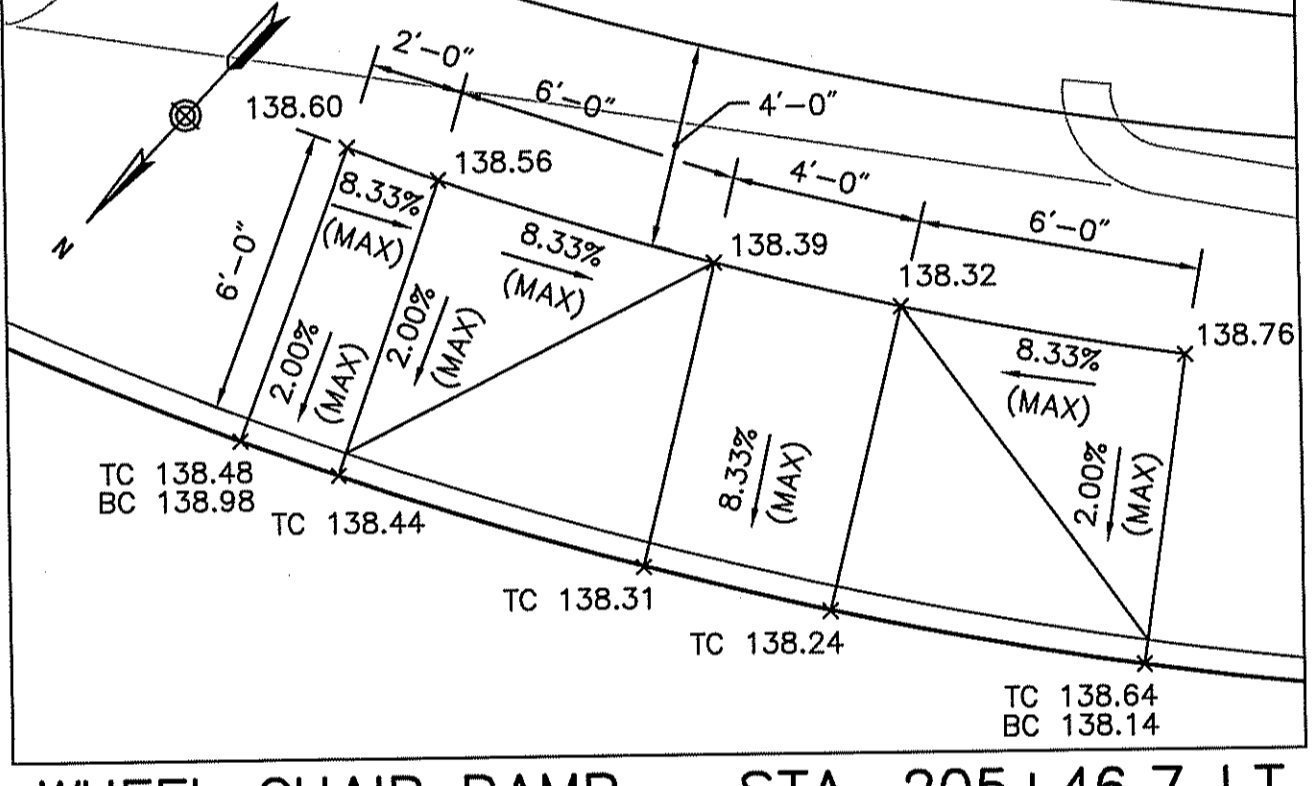
**WHEEL CHAIR RAMP – STA. 201+57.2 RT**  
SCALE: 1/4" = 1'-0"



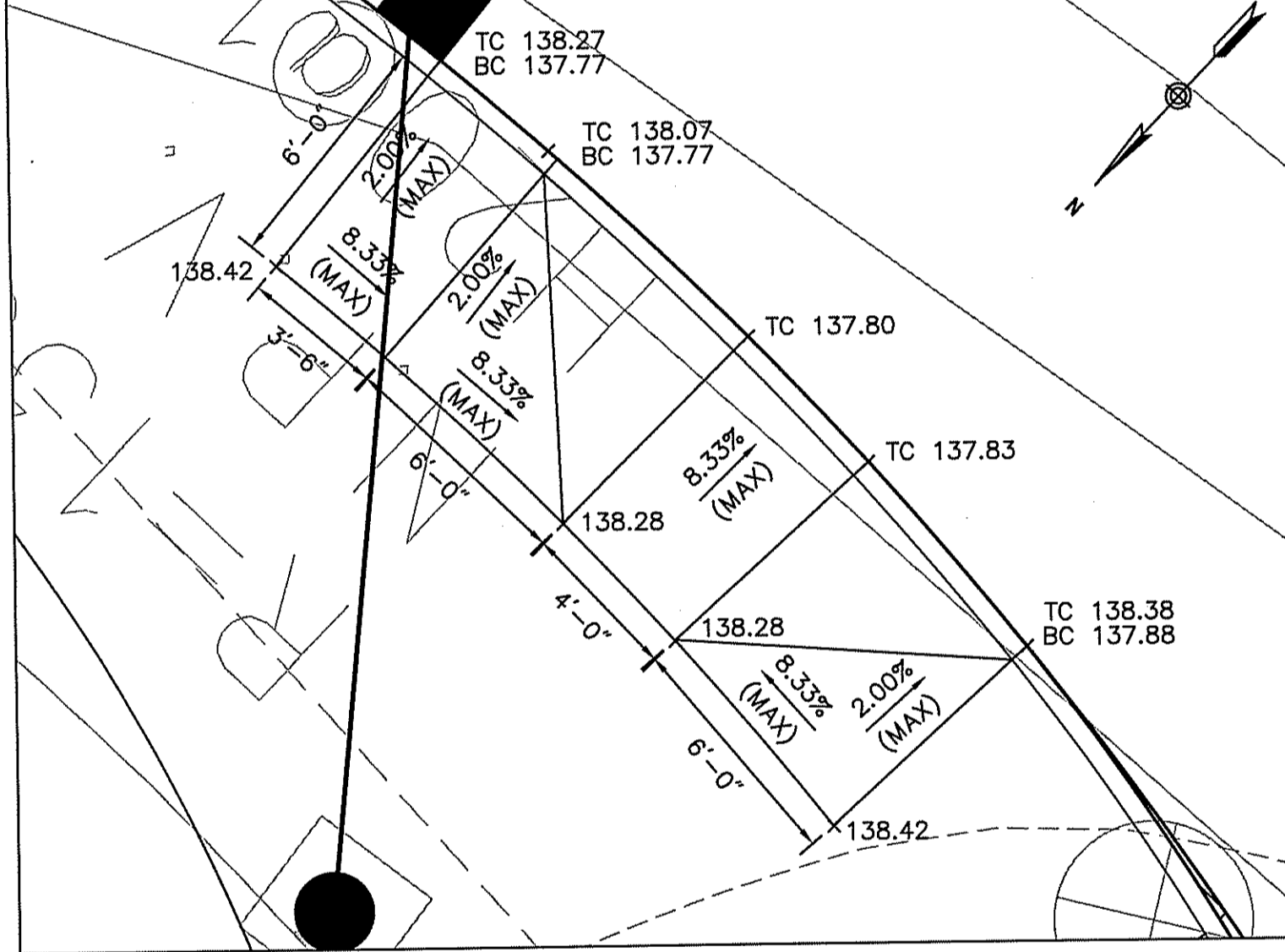
**WHEEL CHAIR RAMP – STA. 201+92.4 RT**  
SCALE: 1/4" = 1'-0"



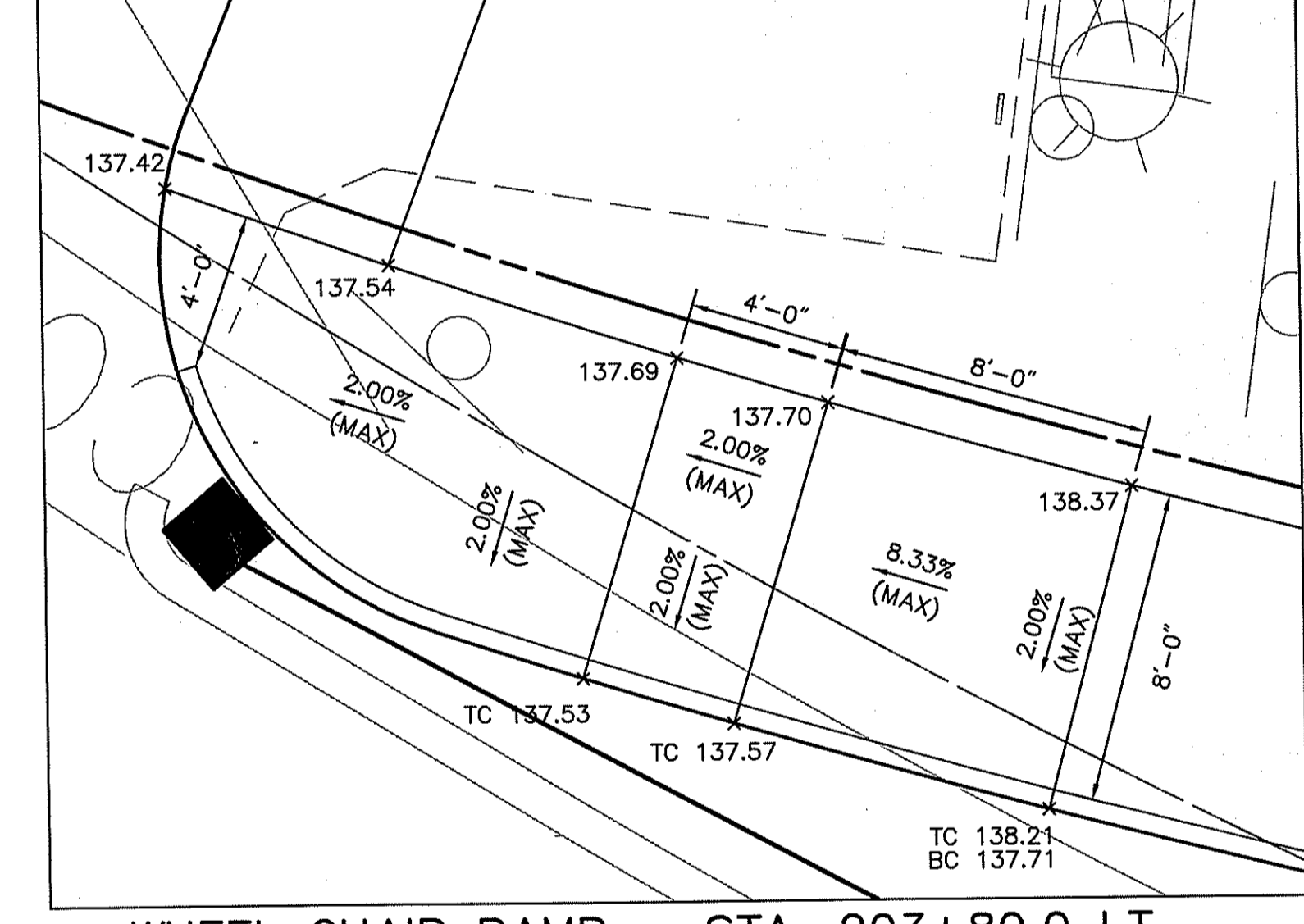
**WHEEL CHAIR RAMP – STA. 205+47.2 RT**  
SCALE: 1/4" = 1'-0"



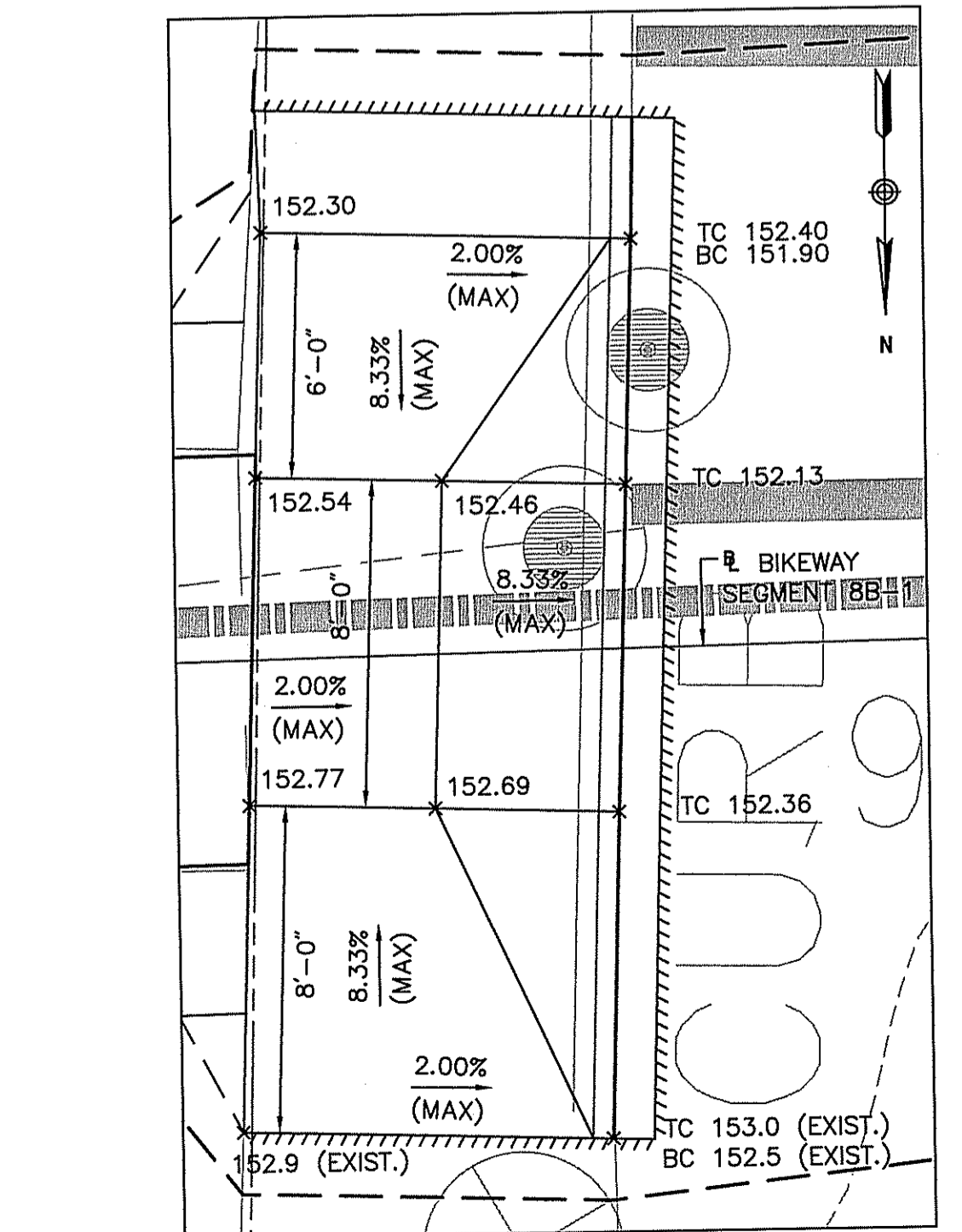
**WHEEL CHAIR RAMP – STA. 205+46.7 LT**  
SCALE: 1/4" = 1'-0"



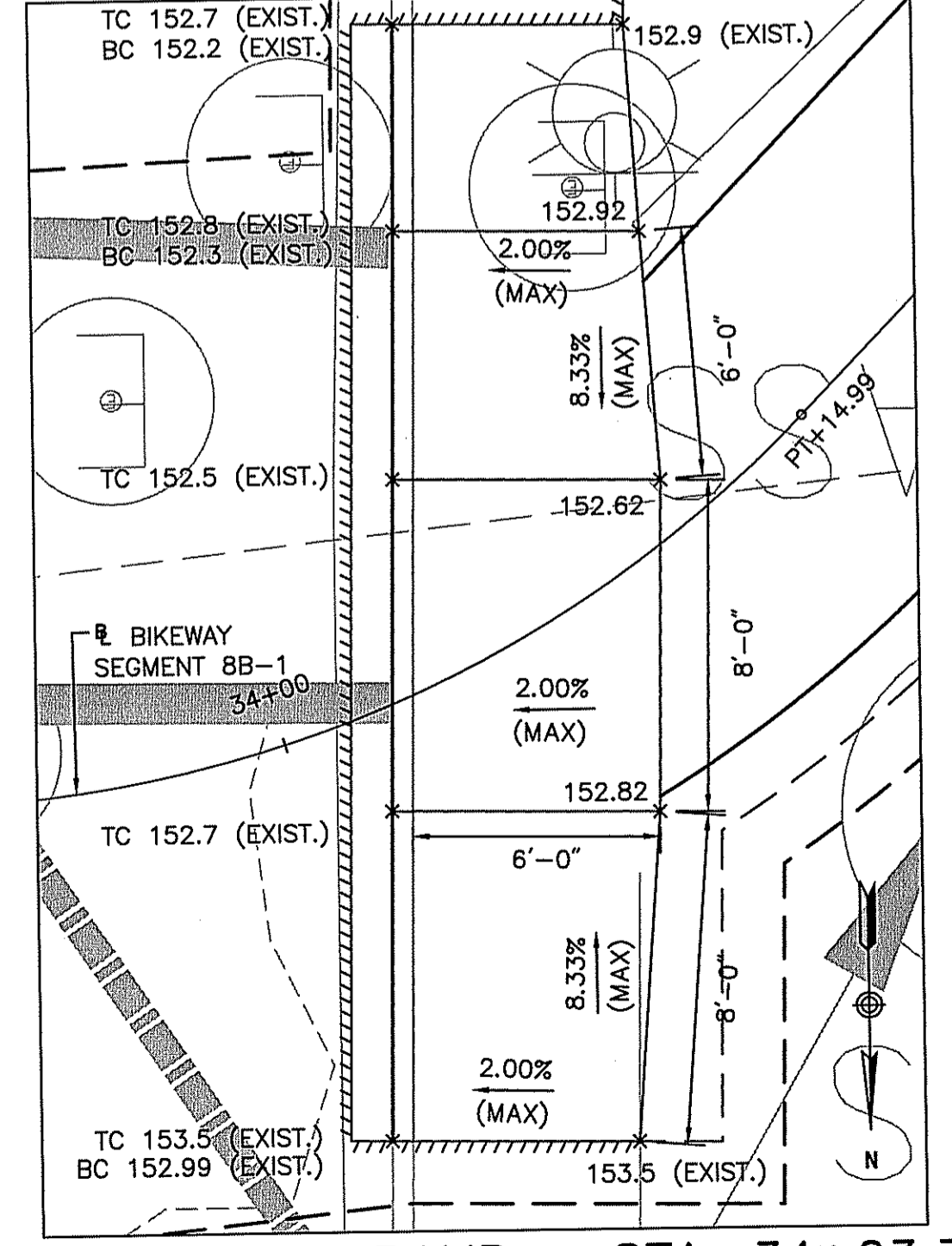
**WHEEL CHAIR RAMP – STA. 203+78.6 RT**  
SCALE: 1/4" = 1'-0"



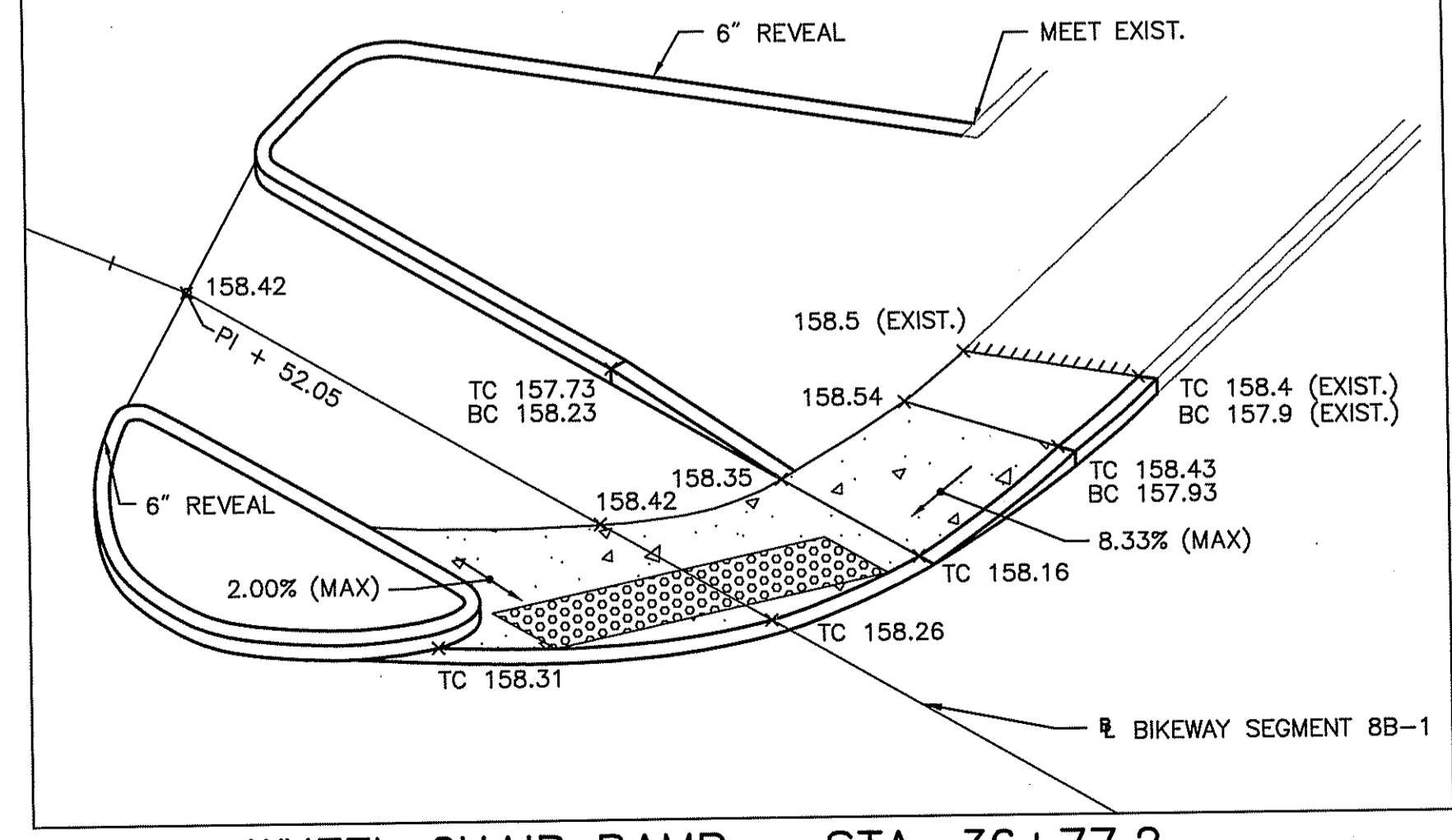
**WHEEL CHAIR RAMP – STA. 203+80.0 LT**  
SCALE: 1/4" = 1'-0"



**WHEEL CHAIR RAMP – STA. 33+65.0**  
SCALE: 1/4" = 1'-0"



**WHEEL CHAIR RAMP – STA. 34+03.3**  
SCALE: 1/4" = 1'-0"



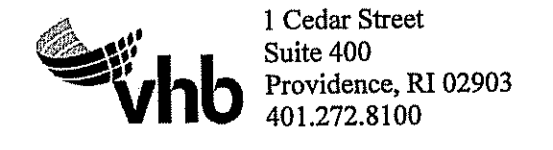
**WHEEL CHAIR RAMP – STA. 36+77.2**  
SCALE: 1/4" = 1'-0"

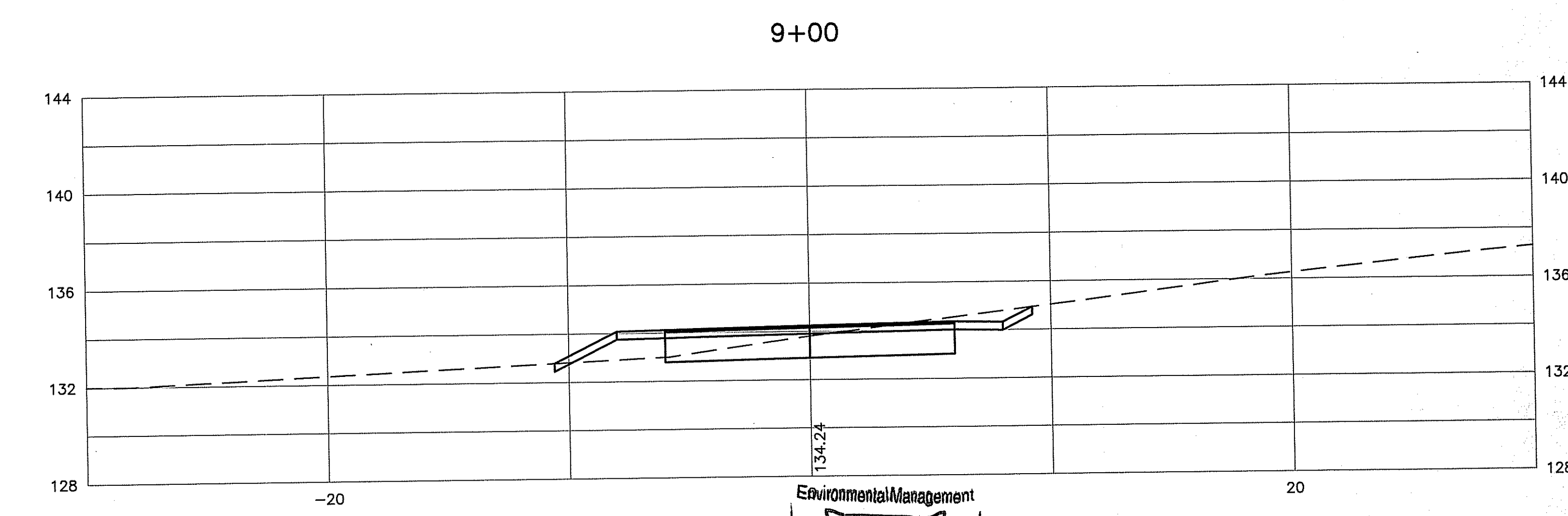
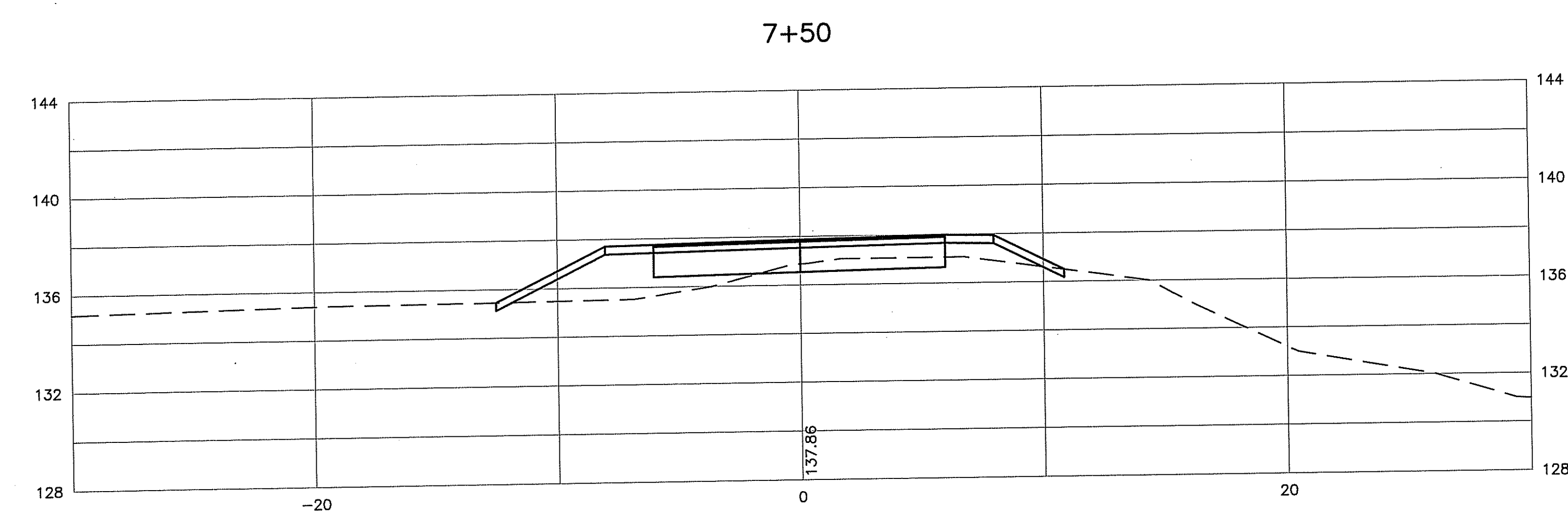
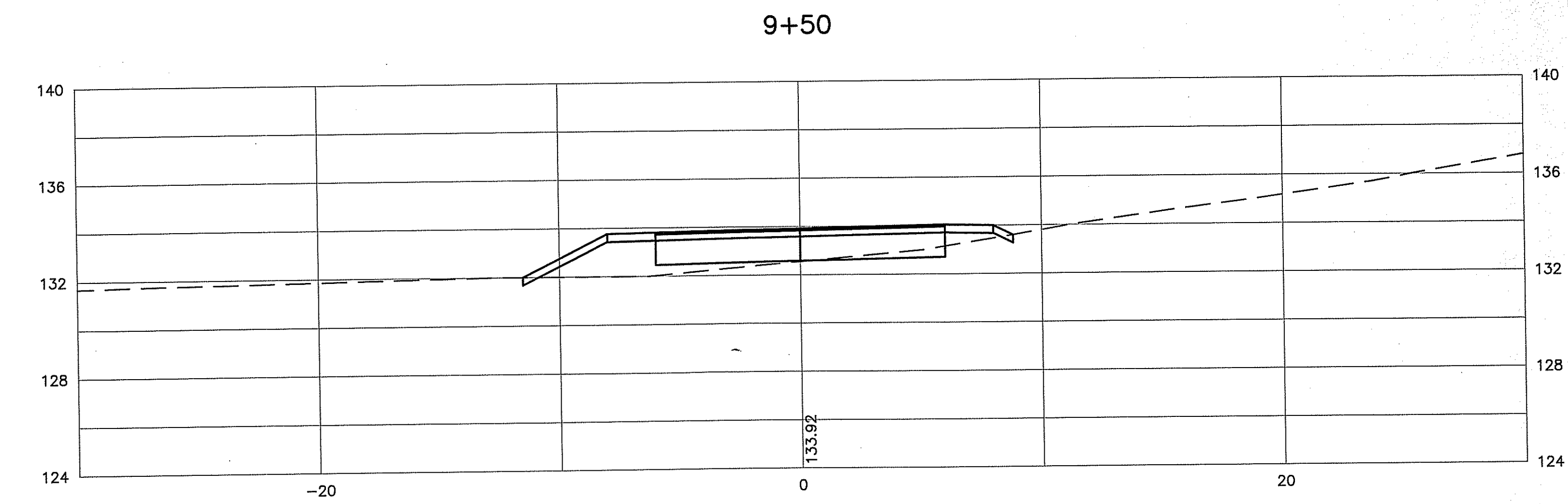
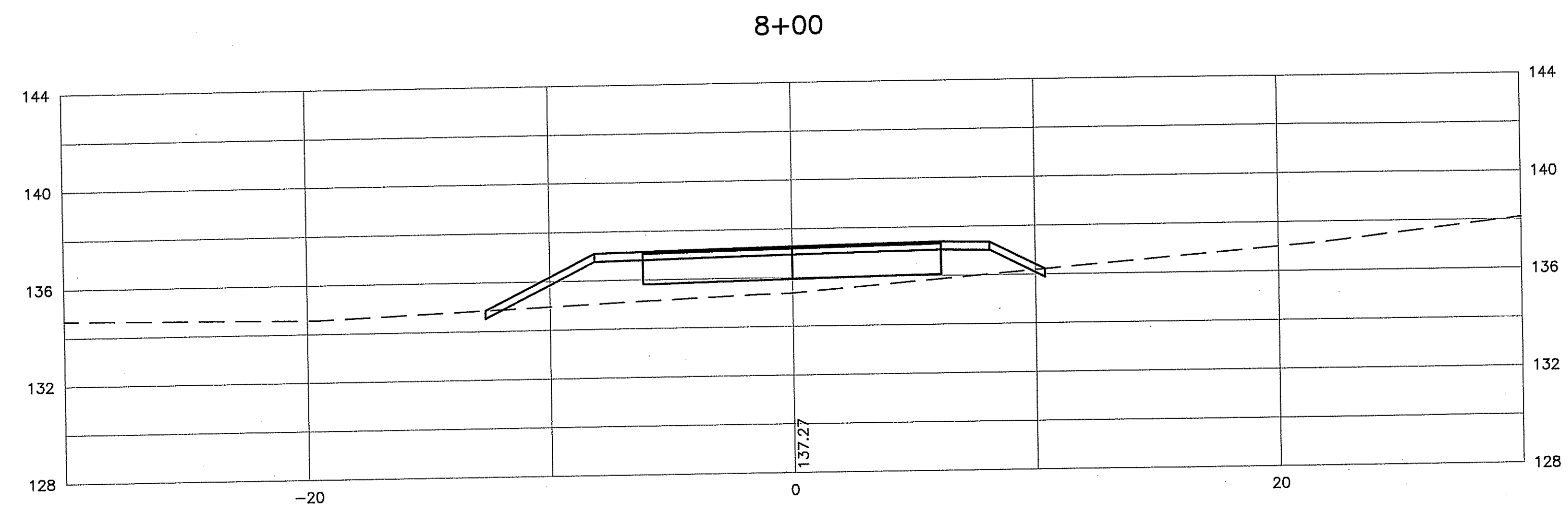
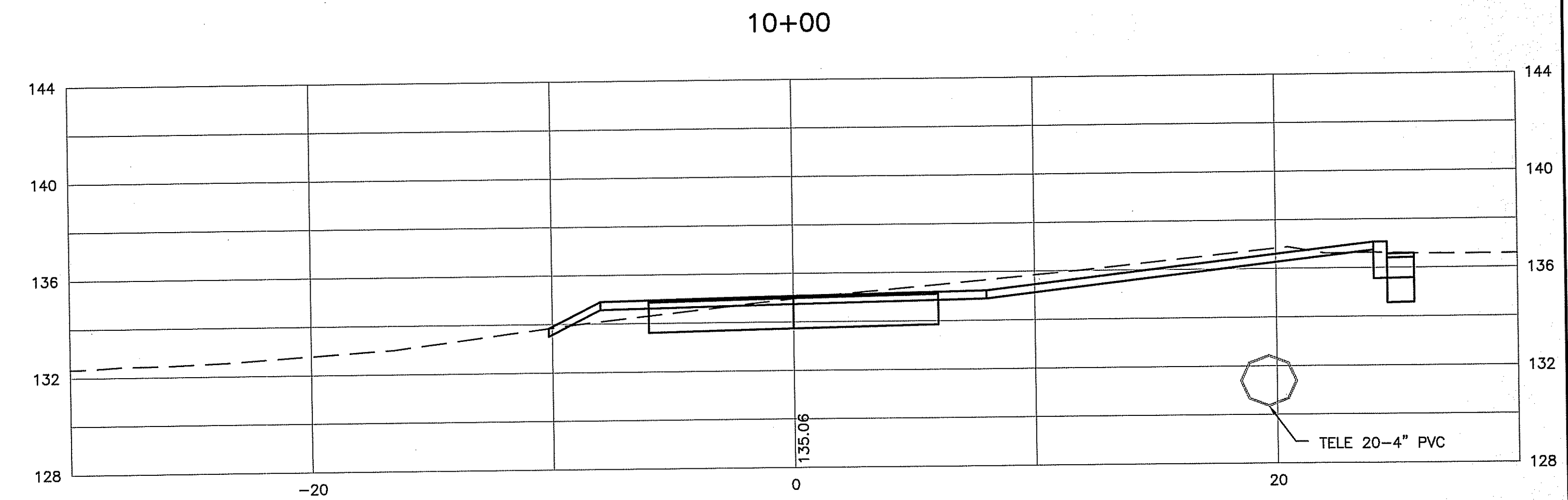
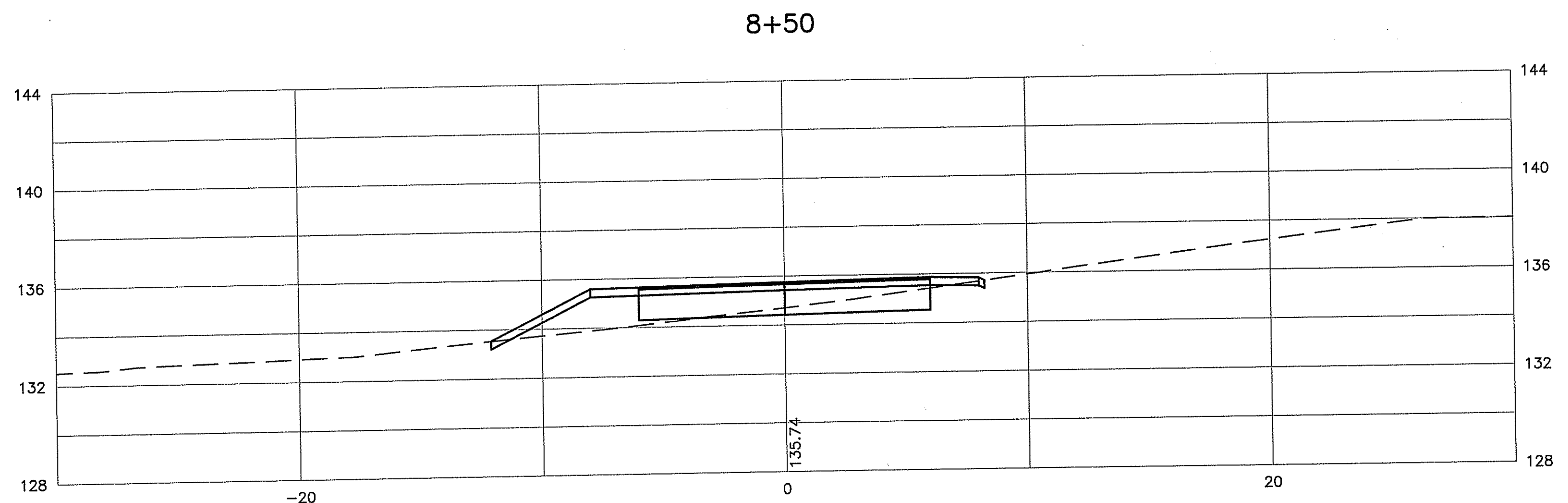
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 18 2017 FILE # 16-0299  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management  
**DEC 07 2016**  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION  
BLACKSTONE RIVER BIKEWAY  
SEGMENT 8B-1  
WOONSOCKET RHODE ISLAND  
DETAIL PLAN NO. 4  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_





DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
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 DATED JAN 18 2017 FILE # 16-0299  
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*Signature*

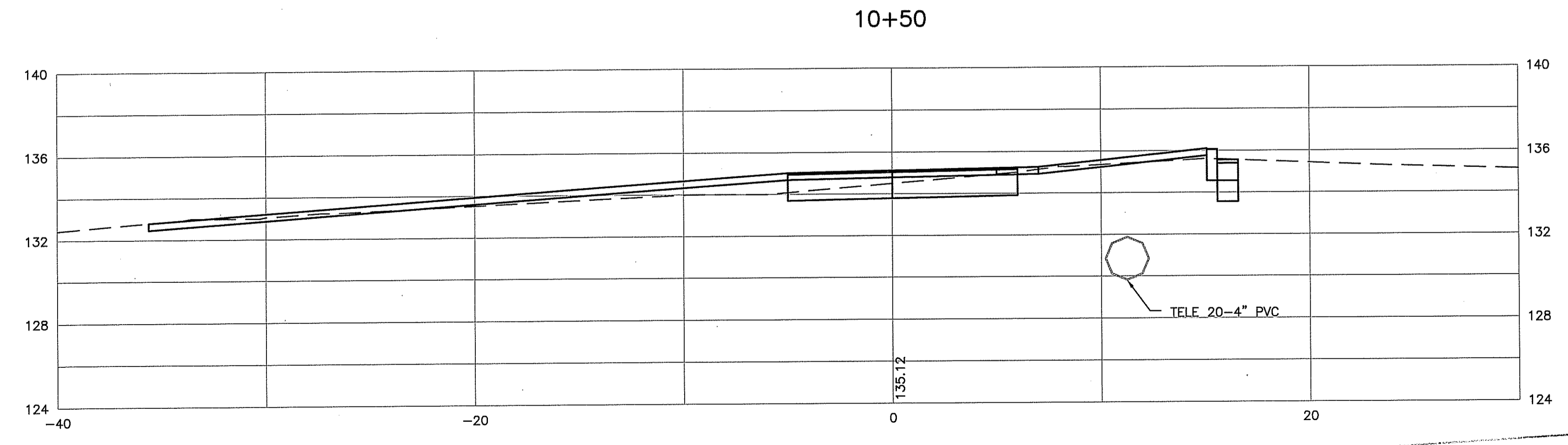
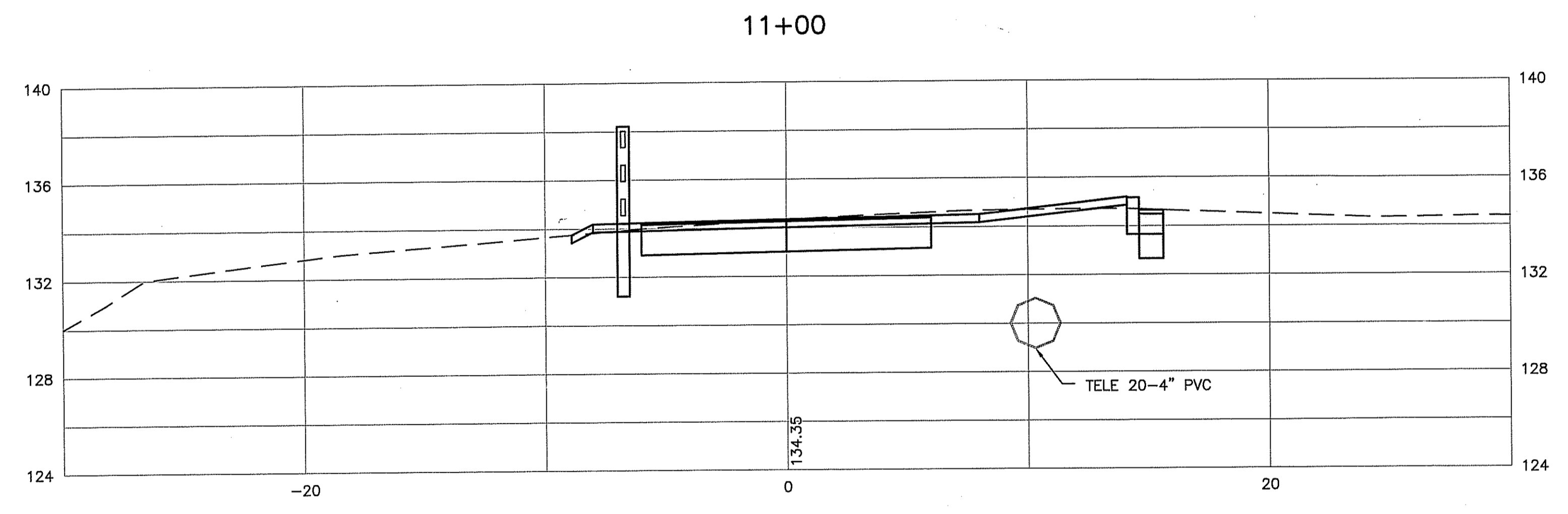
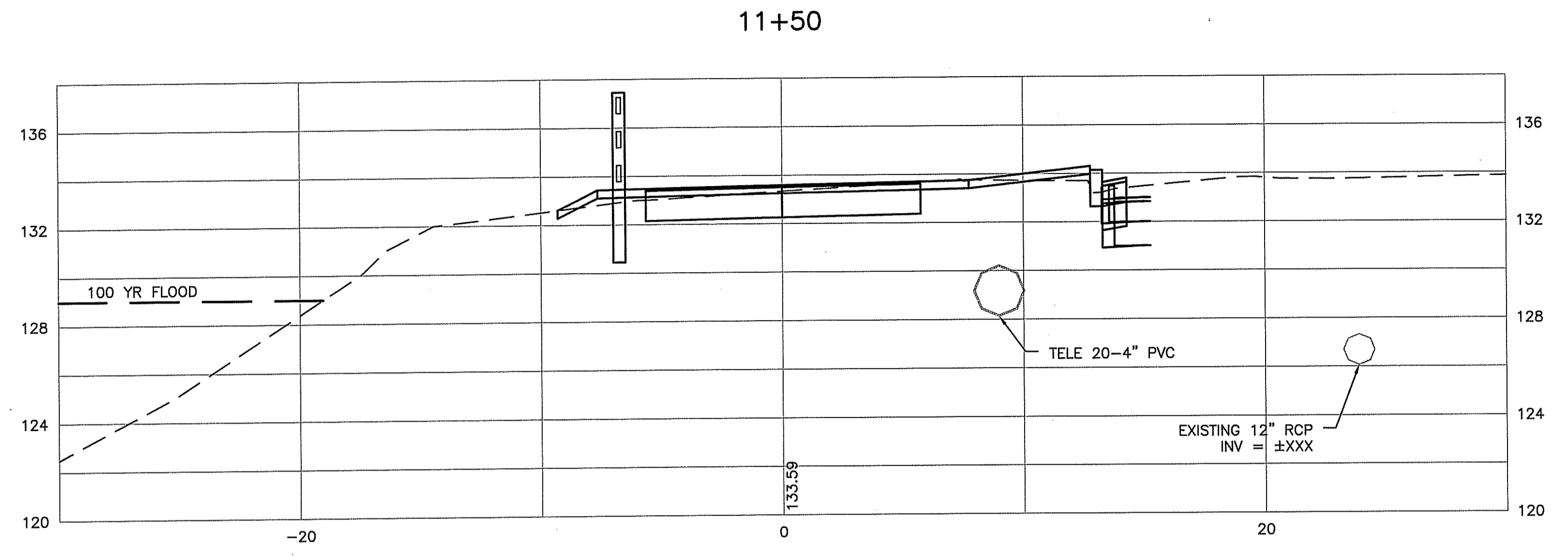
Environmental Management  
 DEC 07 2016  
 Office of Water Resources

**vhb**  
 1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100

REVISIONS		
NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'  
 XXXXX-XS



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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 DATED JAN 18 2017 FILE # 16-0299  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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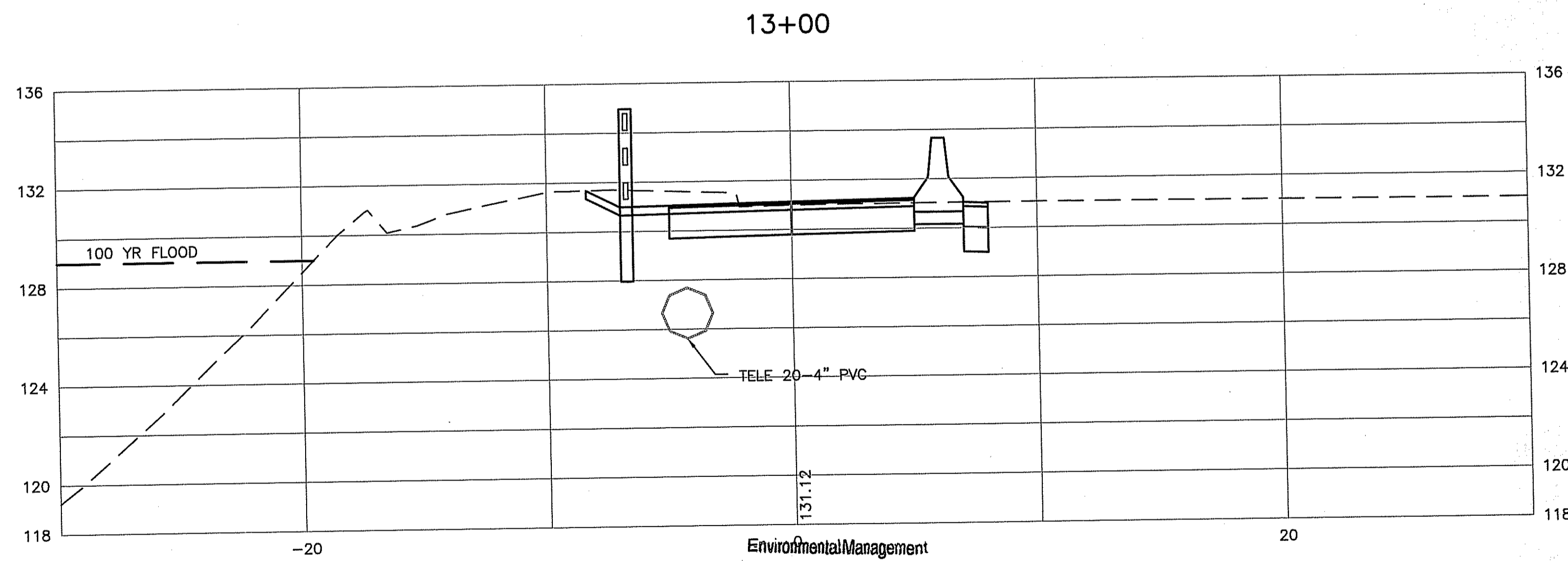
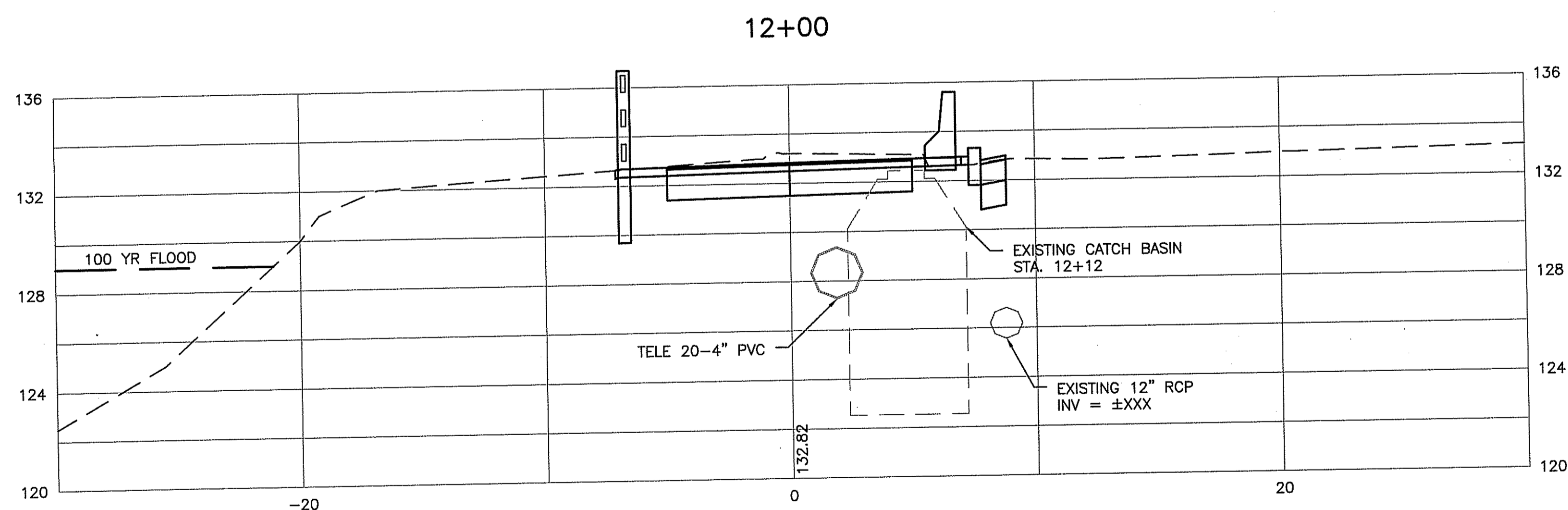
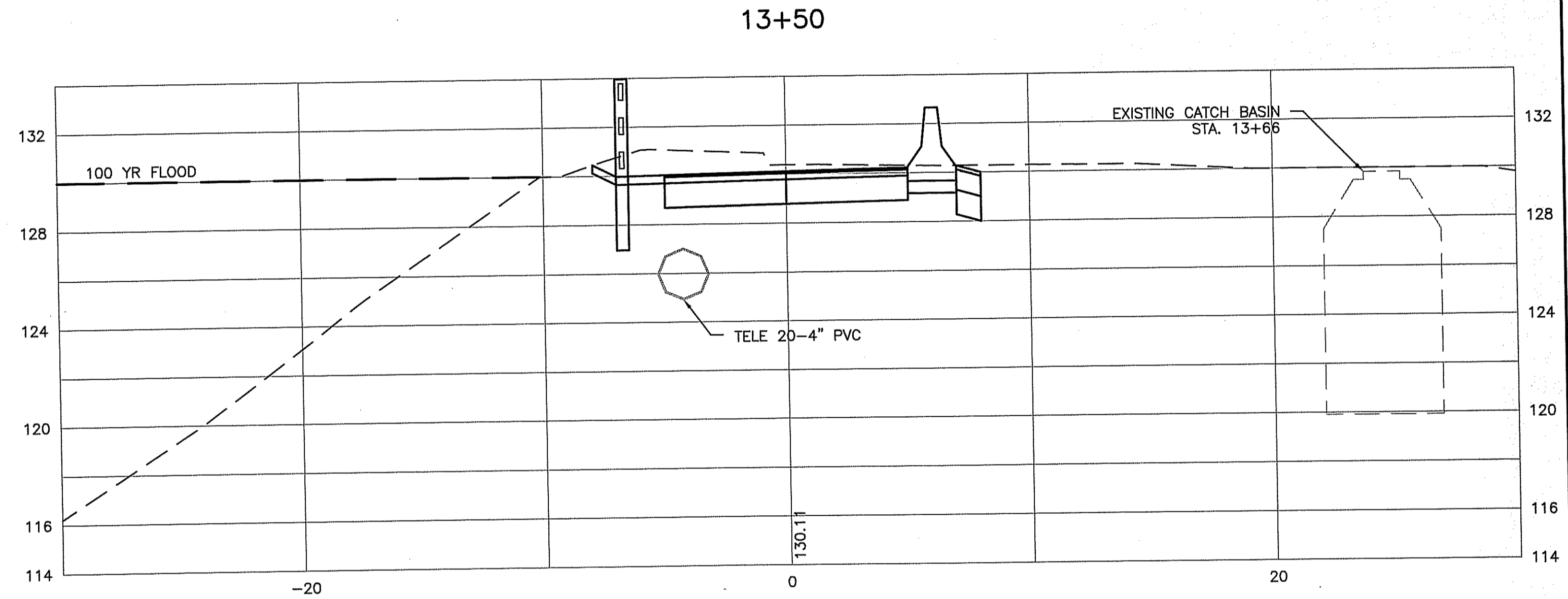
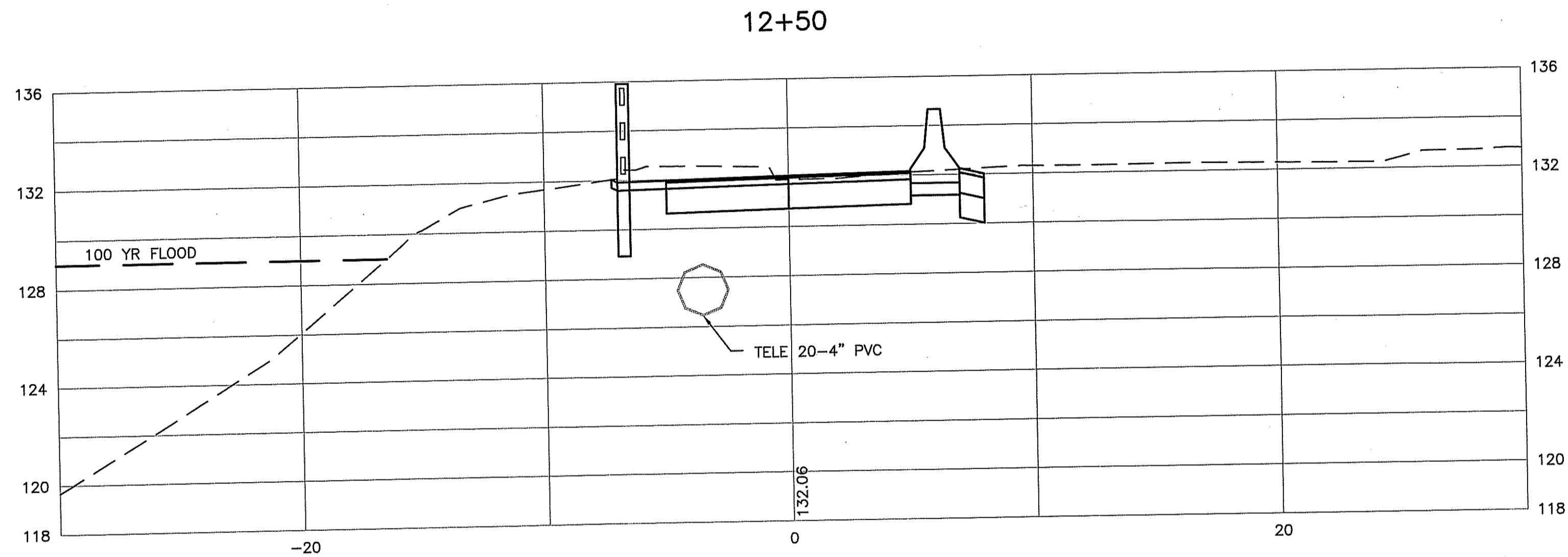
Environmental Management  
 DEC 07 2016  
 Office of Water Resources  
*Signature*

REVISIONS		
NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'





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

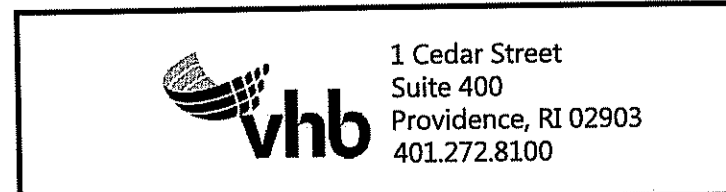
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JAN. 18, 2017 FILE # 16-0299  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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Environmental Management  
 DEC 07 2016  
 Office of Water Resources

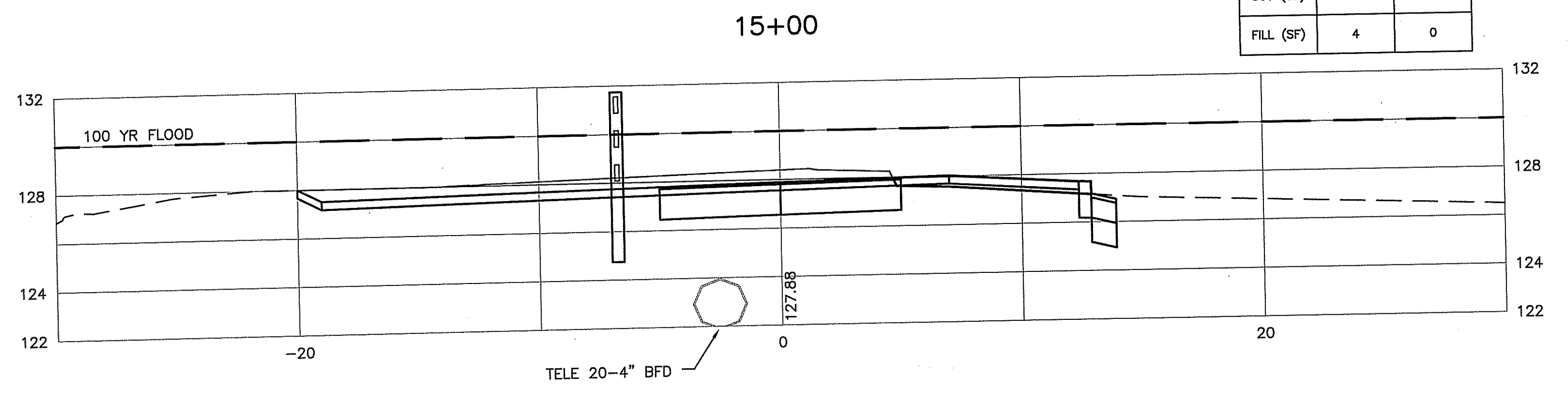
REVISIONS		
NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

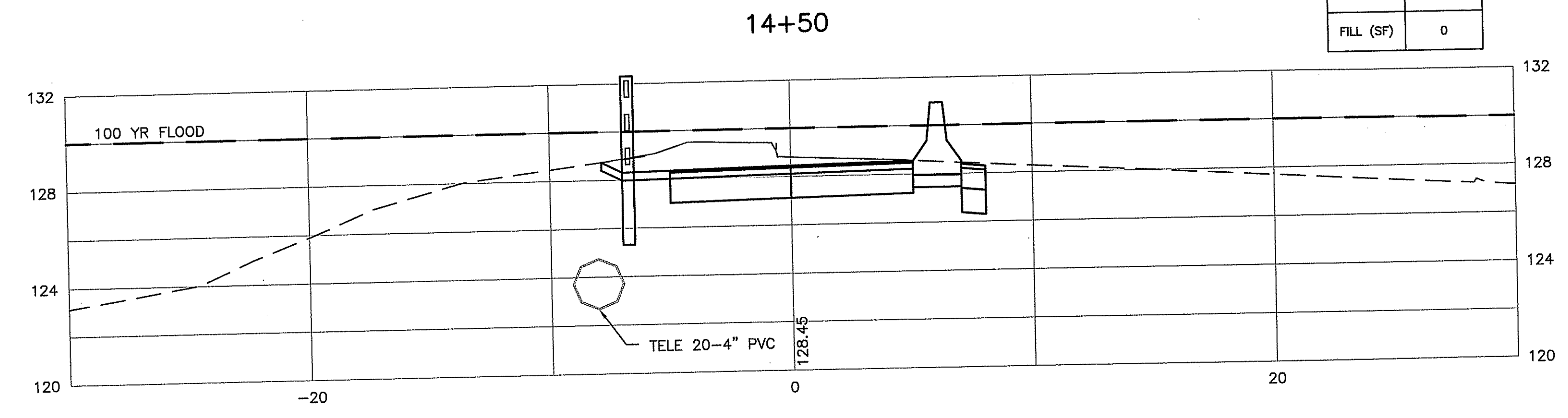
WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'  
 XXXXX-XS



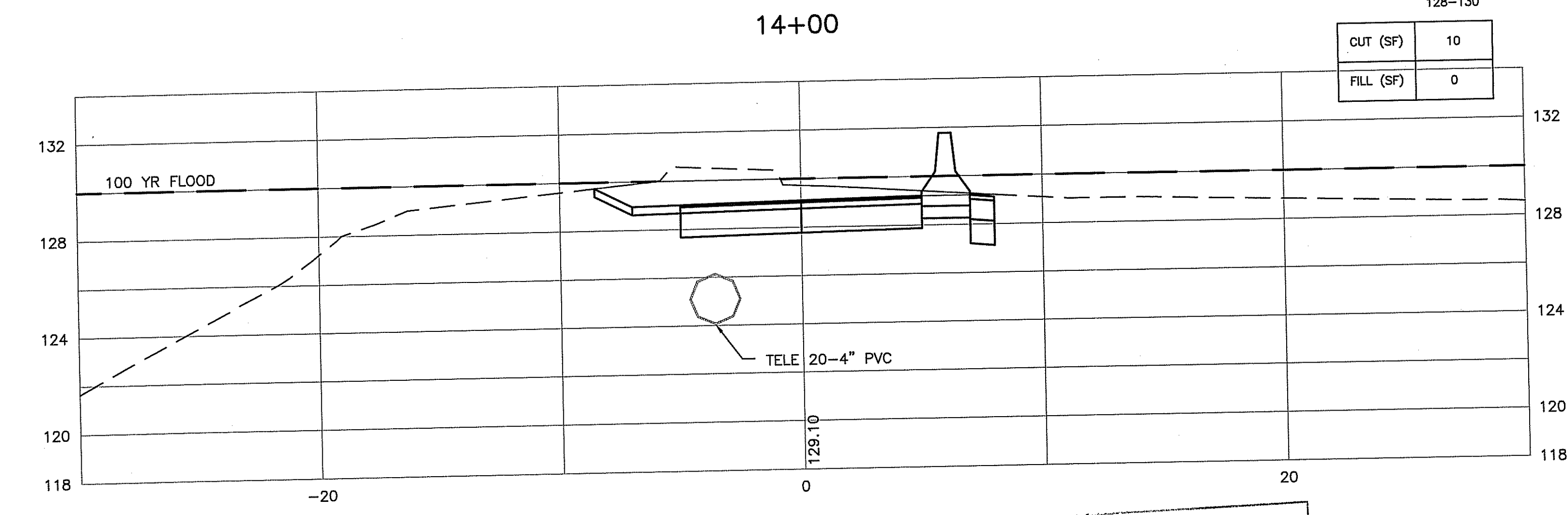
	126-128	128-130
CUT (SF)	7	5
FILL (SF)	4	0



	128-130
CUT (SF)	8
FILL (SF)	0

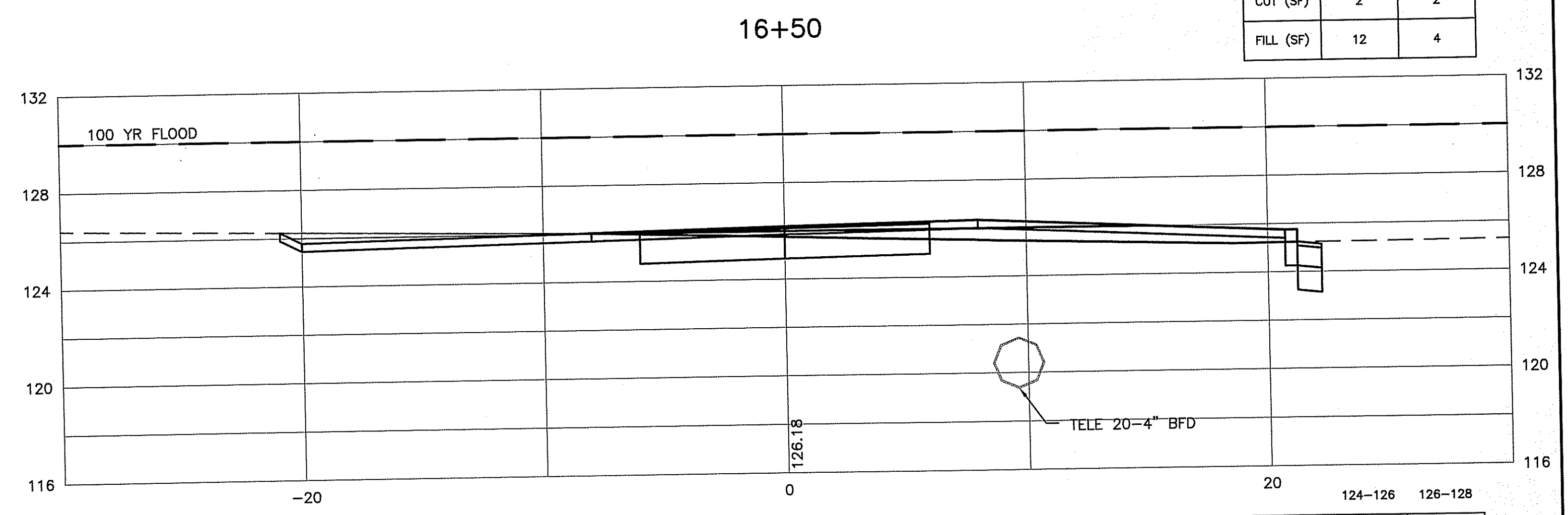


	128-130
CUT (SF)	10
FILL (SF)	0

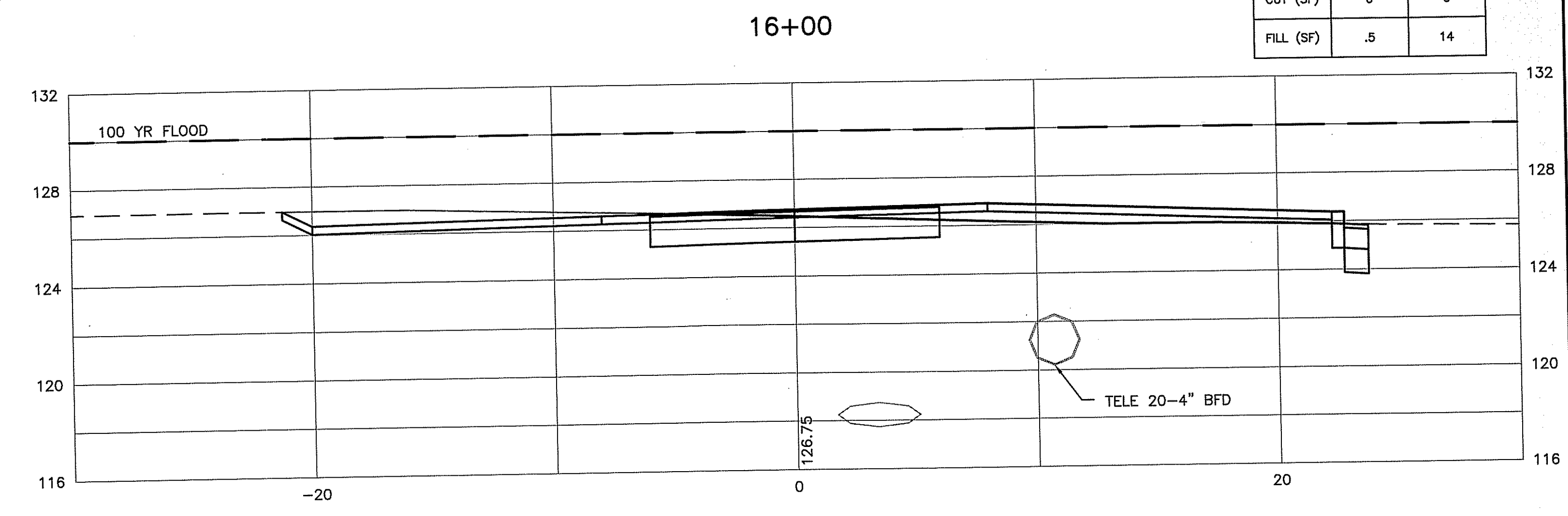


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

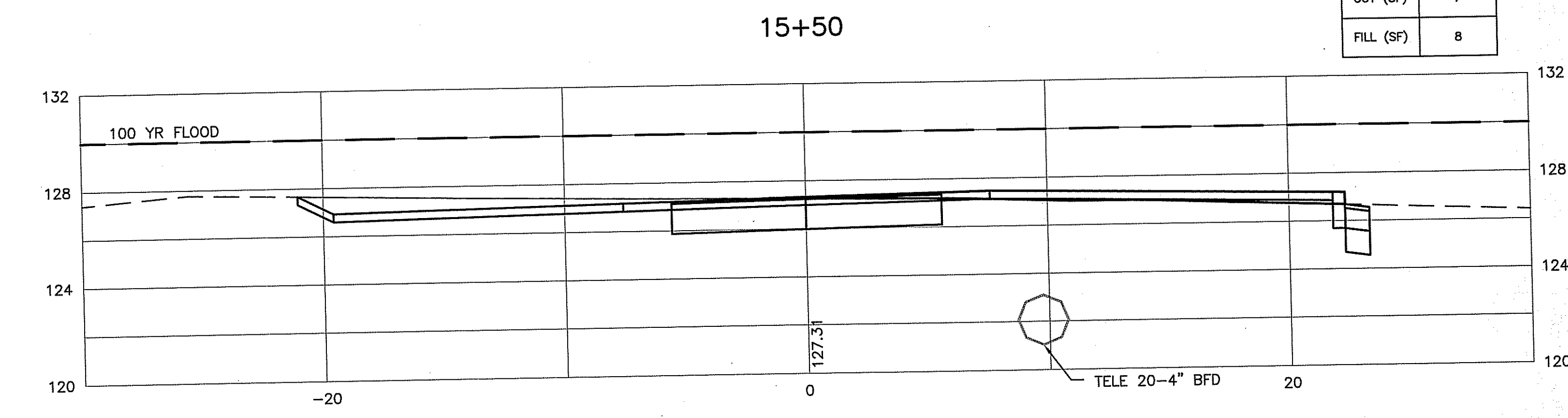
	124-126	126-128
CUT (SF)	2	2
FILL (SF)	12	4



	124-126	126-128
CUT (SF)	0	6
FILL (SF)	.5	14



	126-128
CUT (SF)	7
FILL (SF)	8



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 DATED JAN 18 2017 FILE # 16-0299  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management  
 DEC 07 2016  
 Office of Water Resources

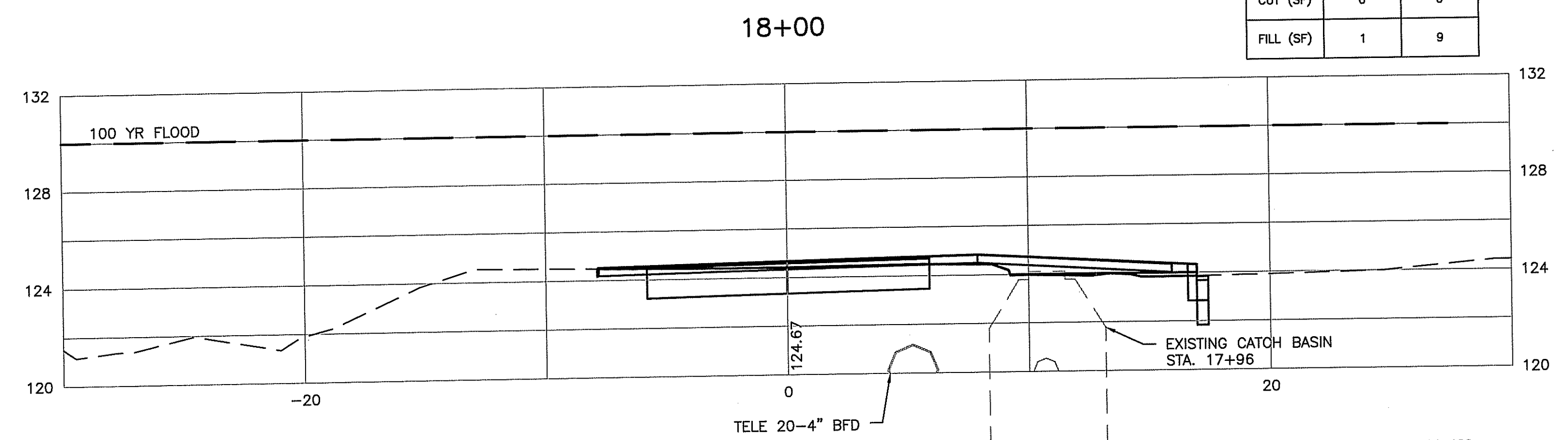
REVISIONS		
NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

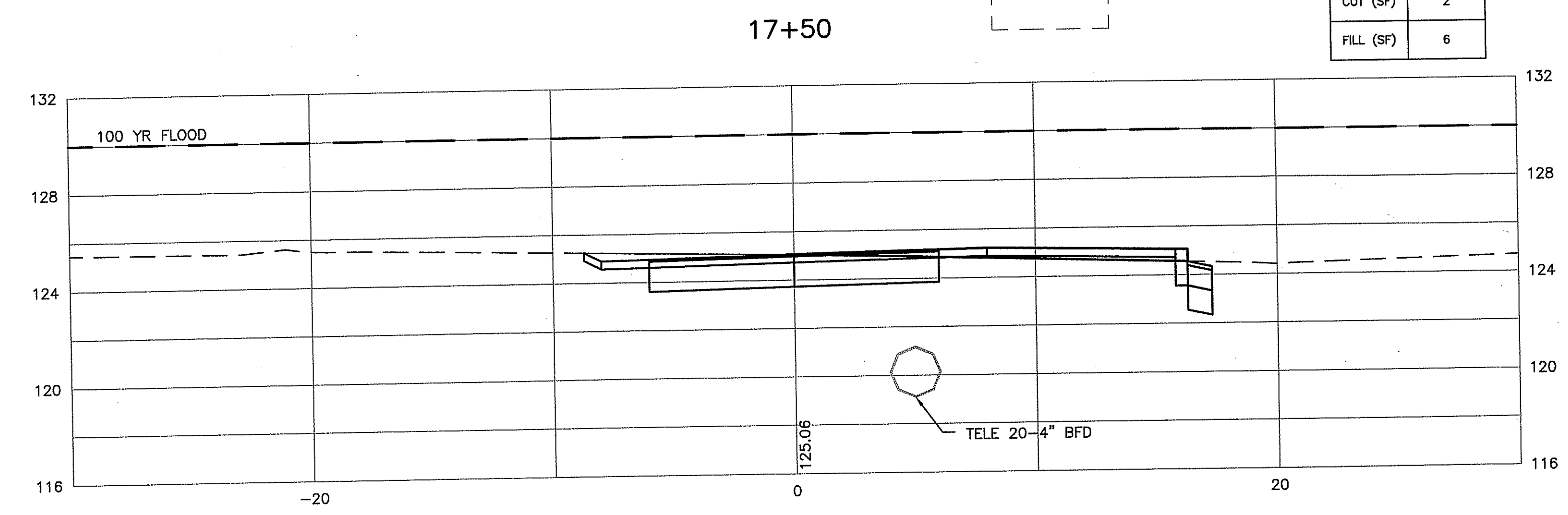
WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'

**vhb**  
 1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100

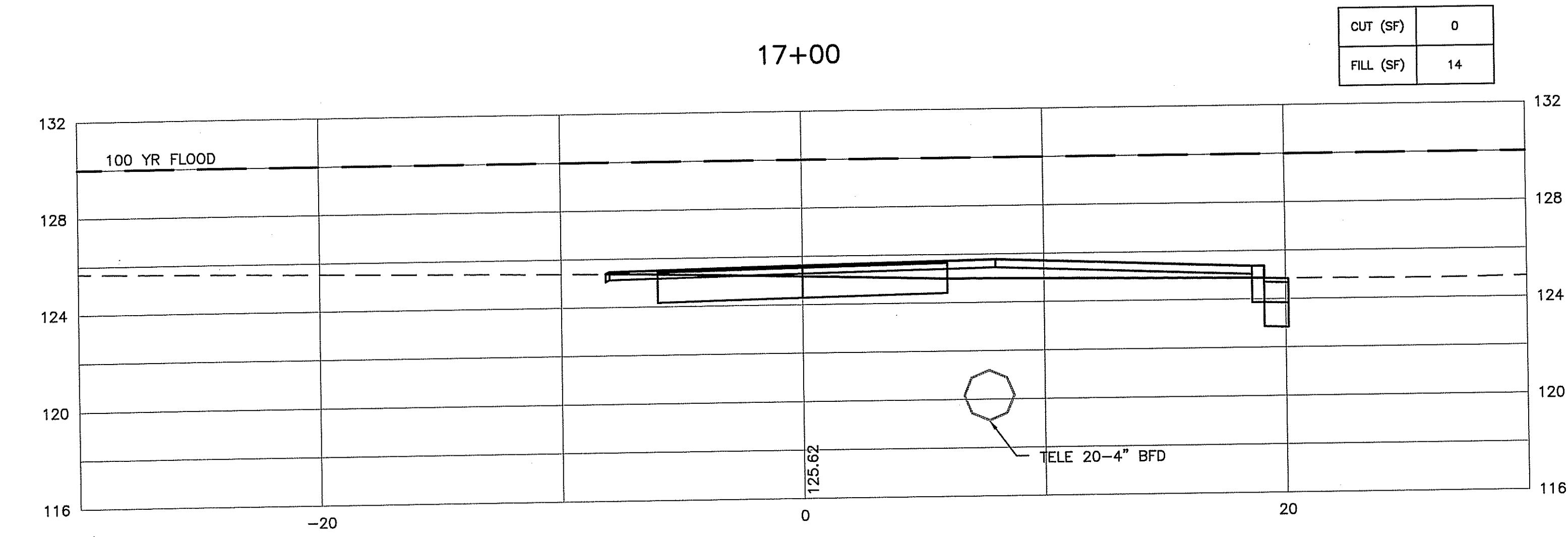
122-124		124-126	
CUT (SF)	0	0	
FILL (SF)	1	9	



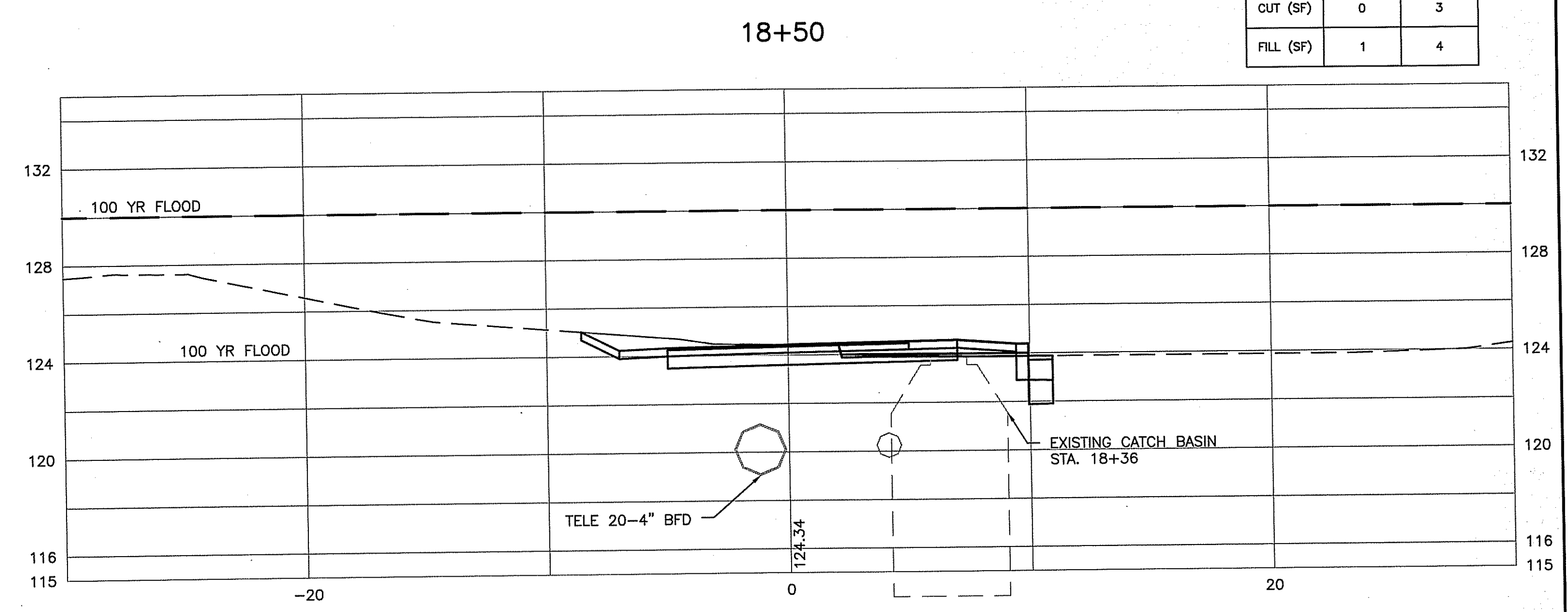
124-126	
CUT (SF)	2
FILL (SF)	6



124-126	
CUT (SF)	0
FILL (SF)	14



122-124		124-126	
CUT (SF)	0	3	
FILL (SF)	1	4	



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Environmental Management  
 DEC 07 2016  
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NO.	DATE	BY

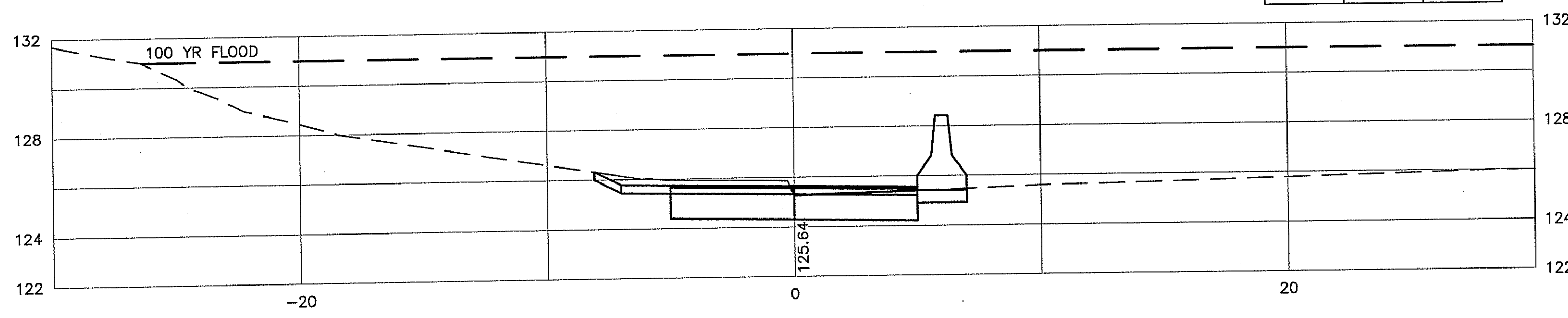
**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'

**vhb**  
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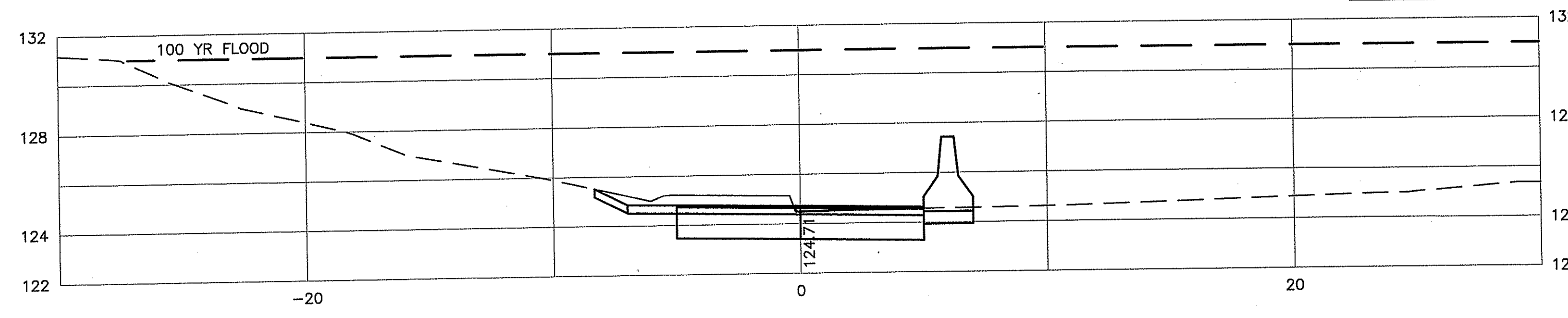
124-126 126-128

CUT (SF)	.5	2
FILL (SF)	2	8



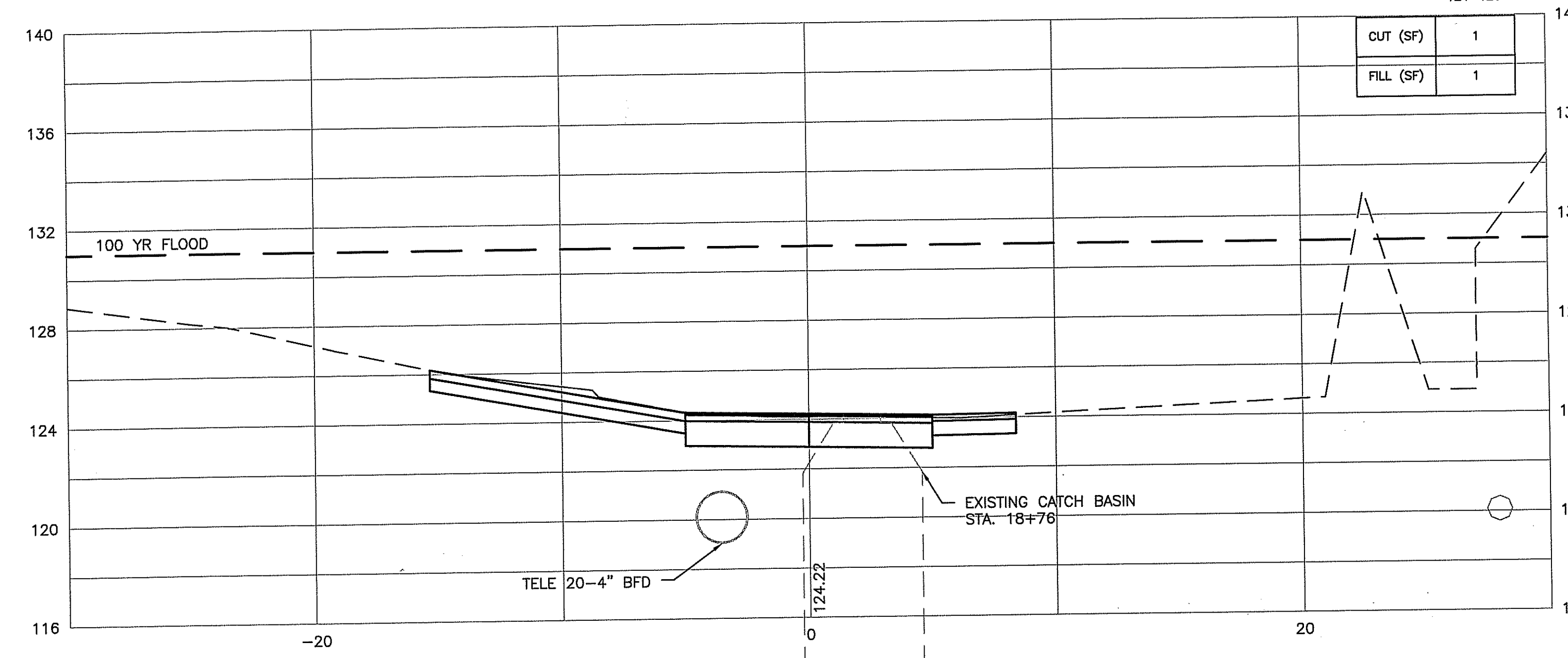
124-126

CUT (SF)	3
FILL (SF)	1



124-126

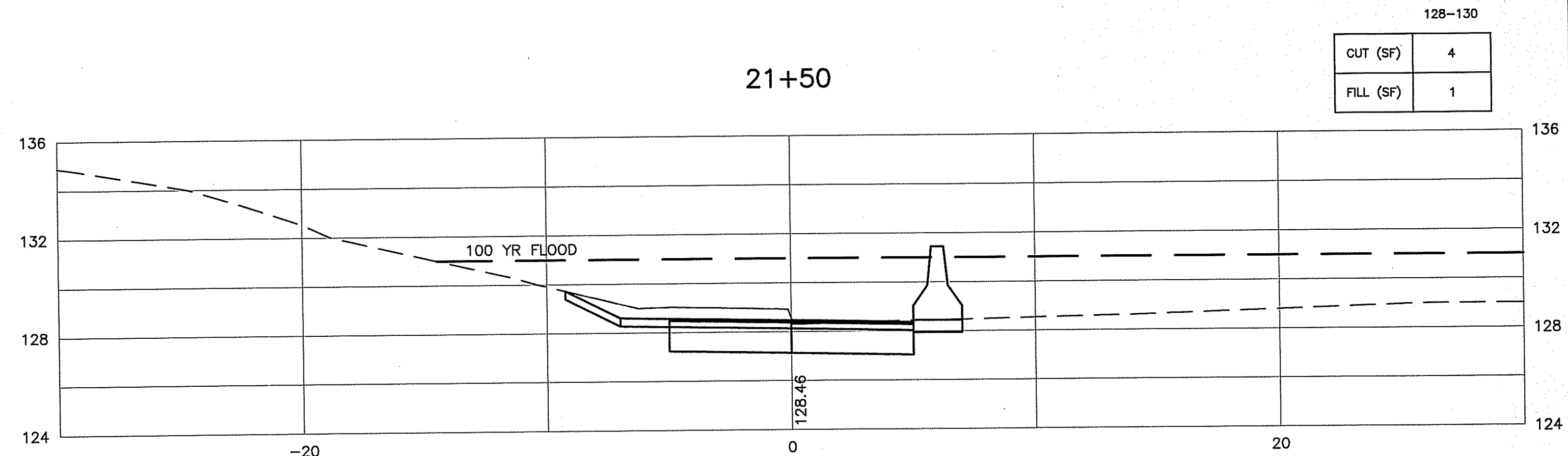
CUT (SF)	1
FILL (SF)	1



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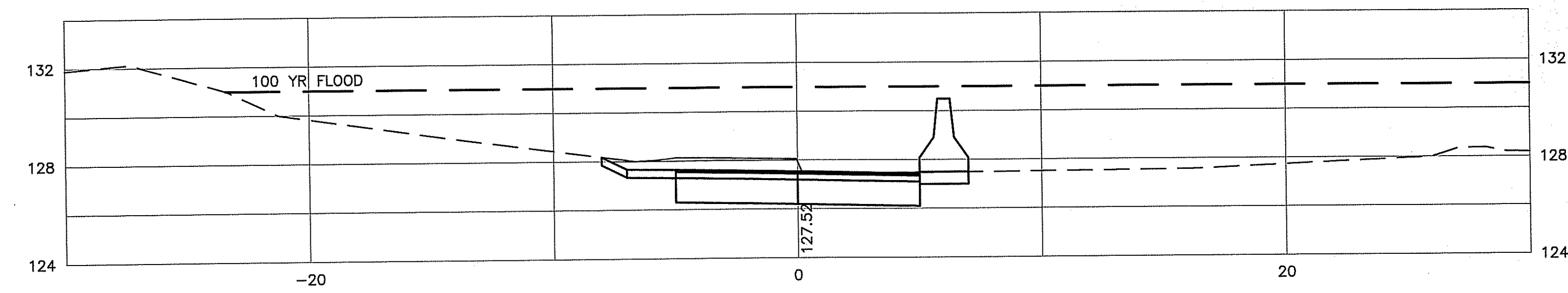
128-130

CUT (SF)	4
FILL (SF)	1



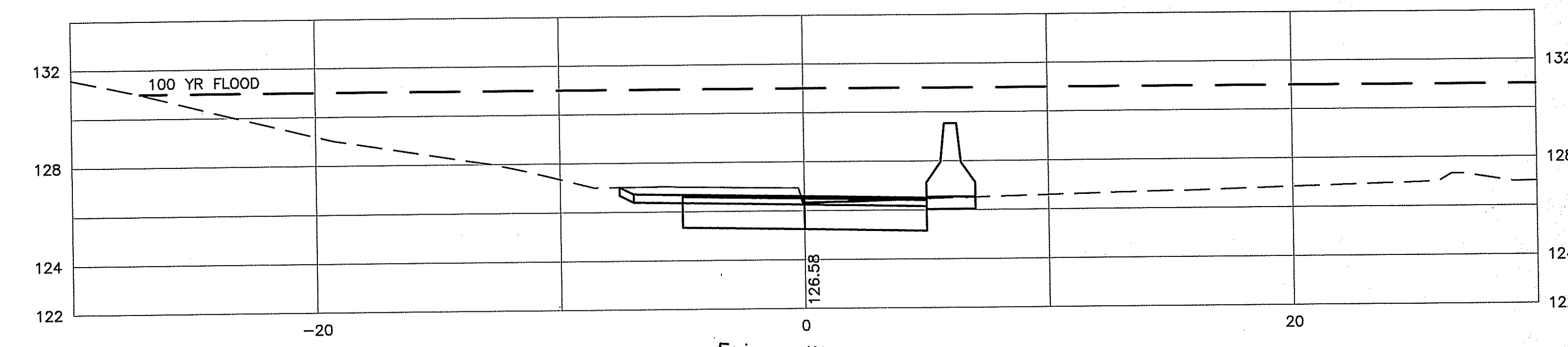
126-128 128-130

CUT (SF)	3	1
FILL (SF)	0	0



126-128

CUT (SF)	3
FILL (SF)	1



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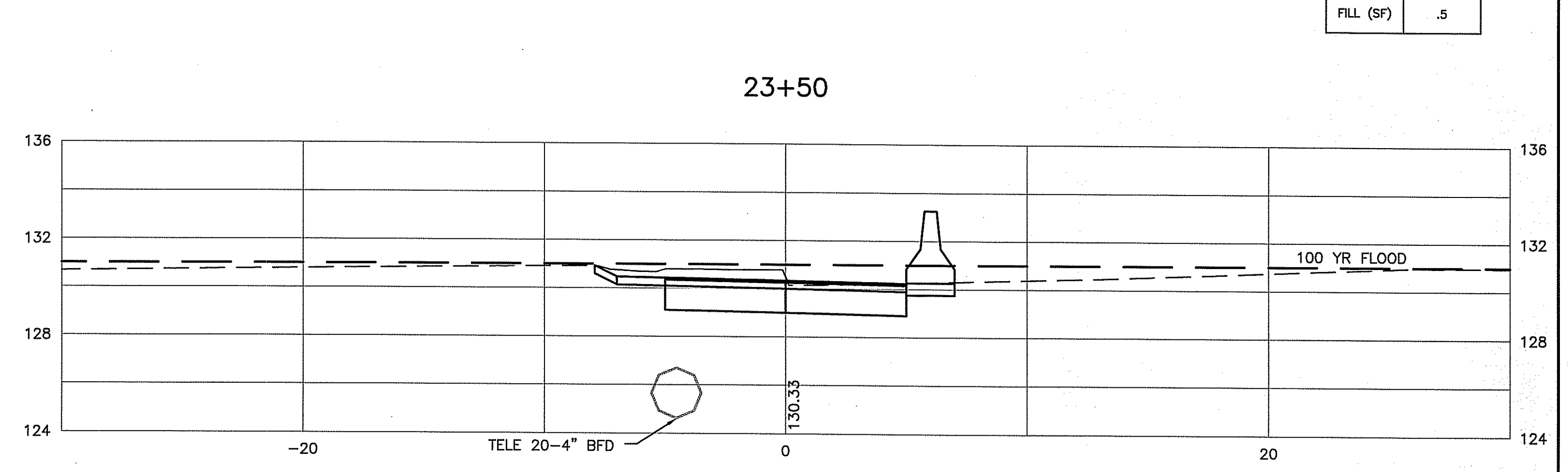
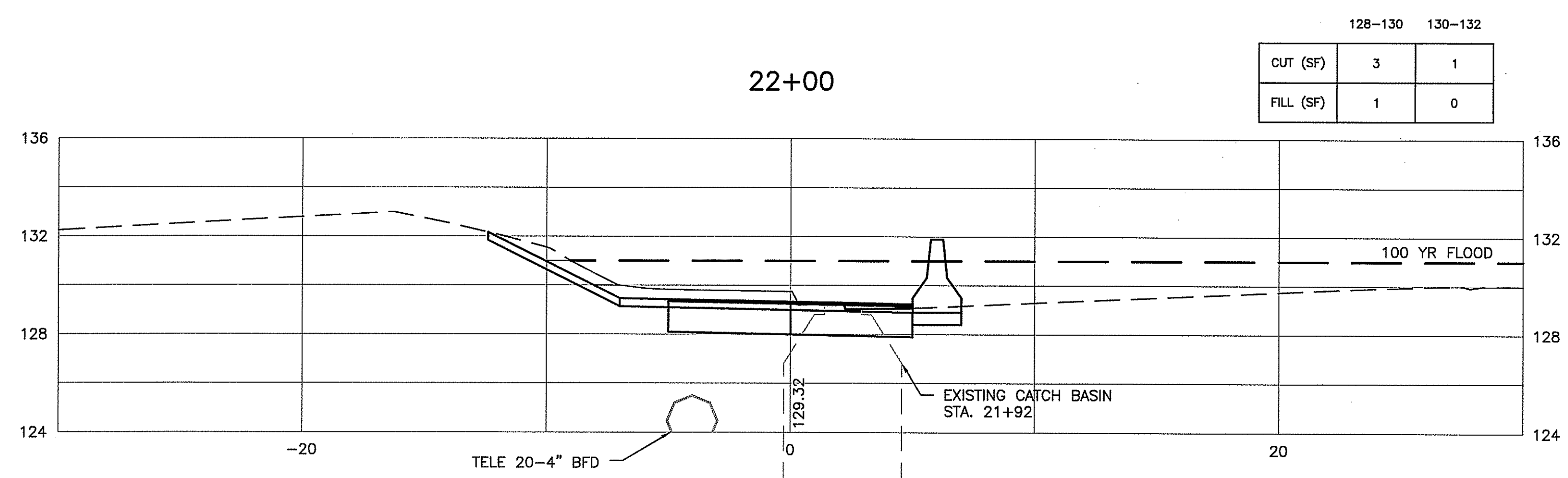
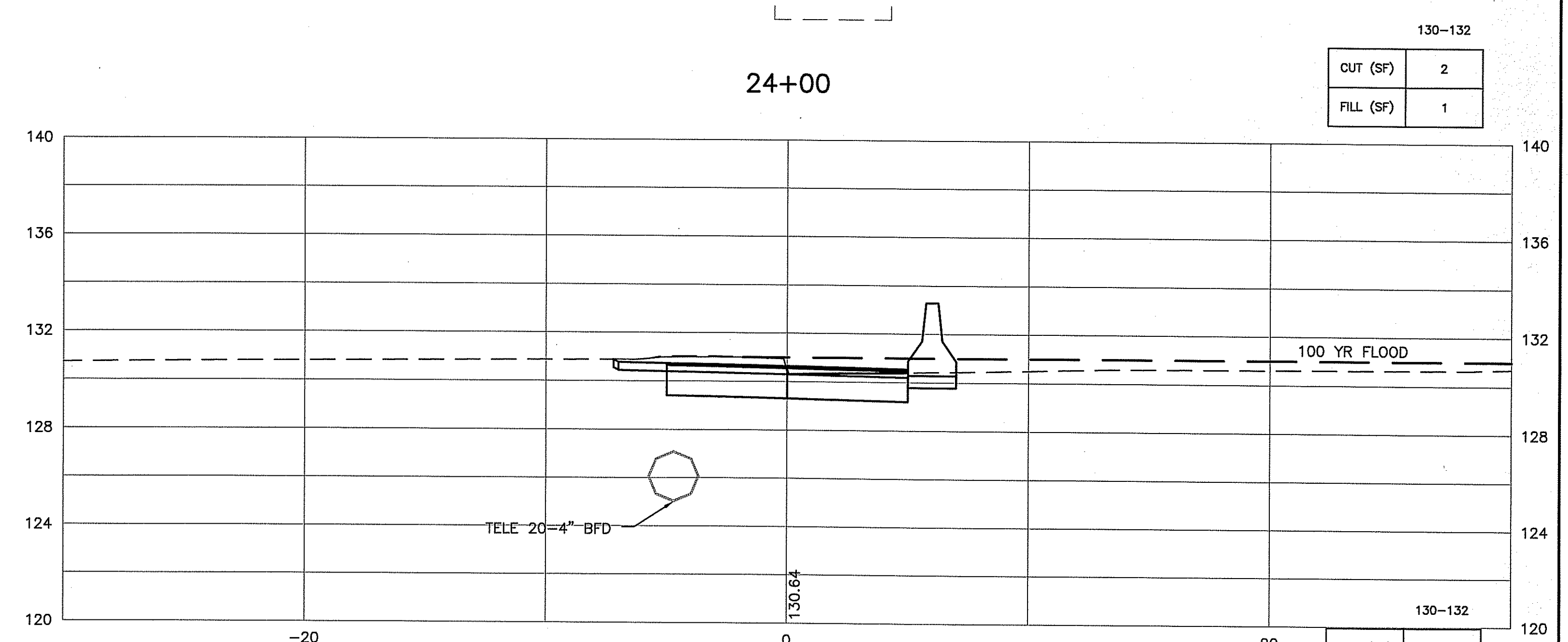
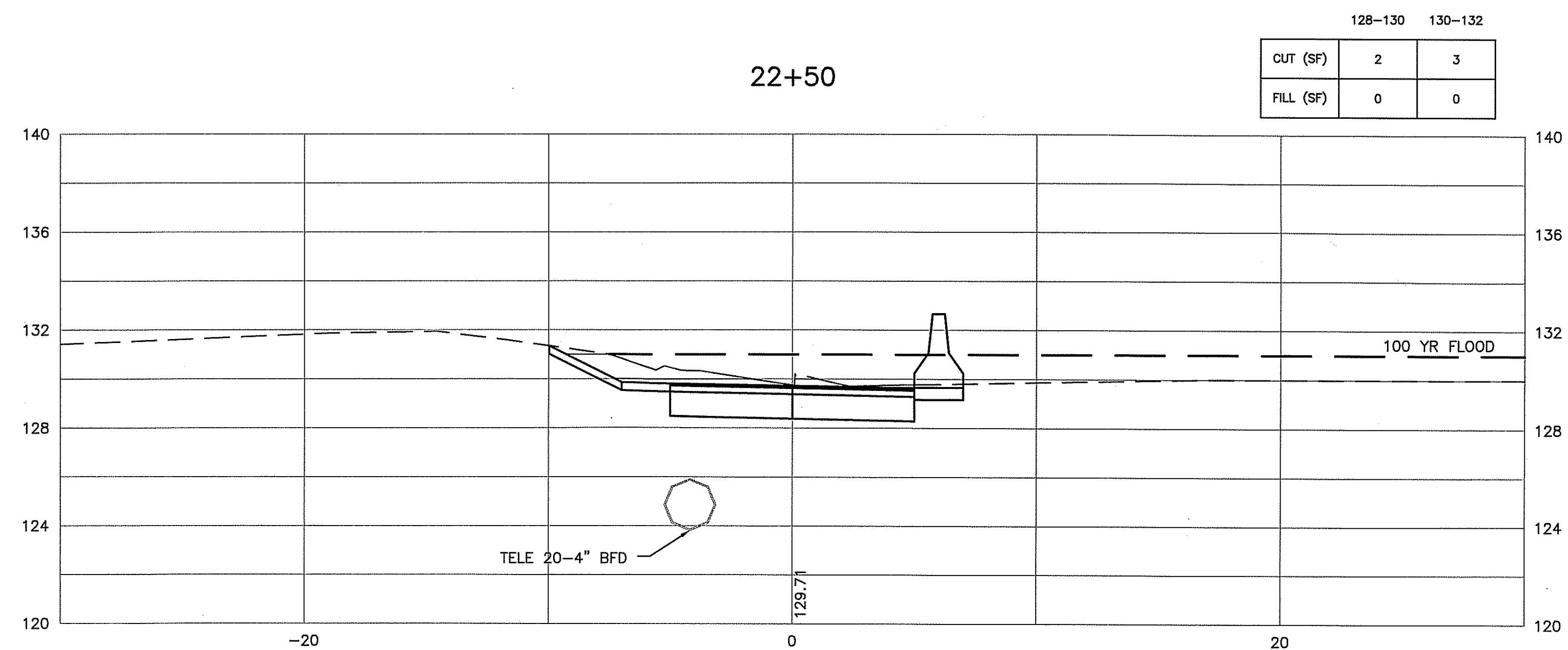
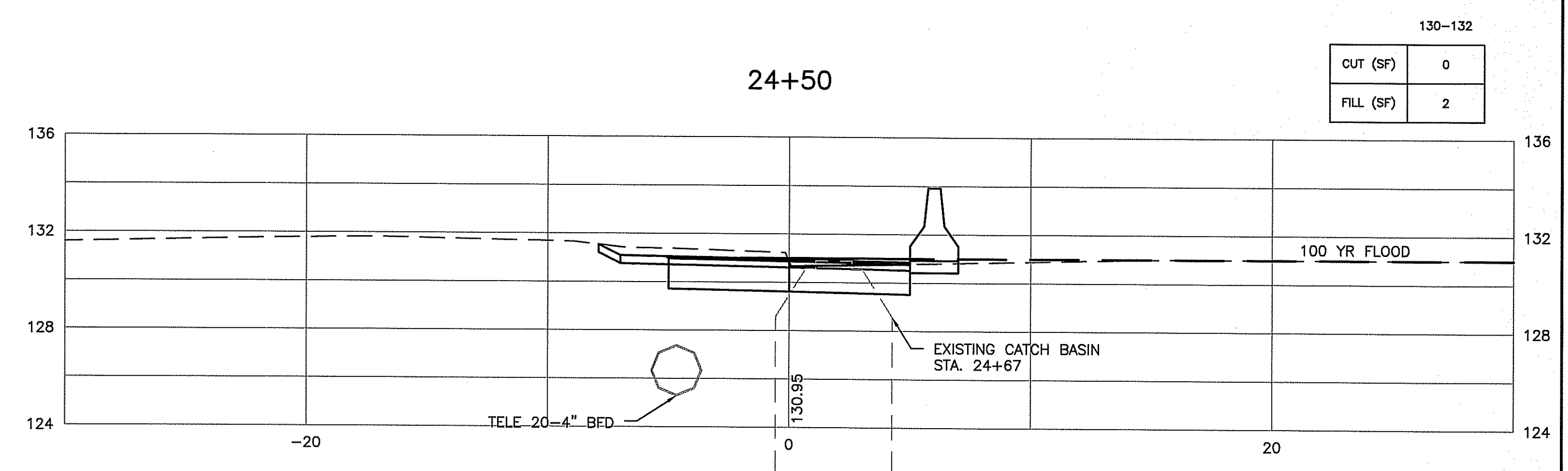
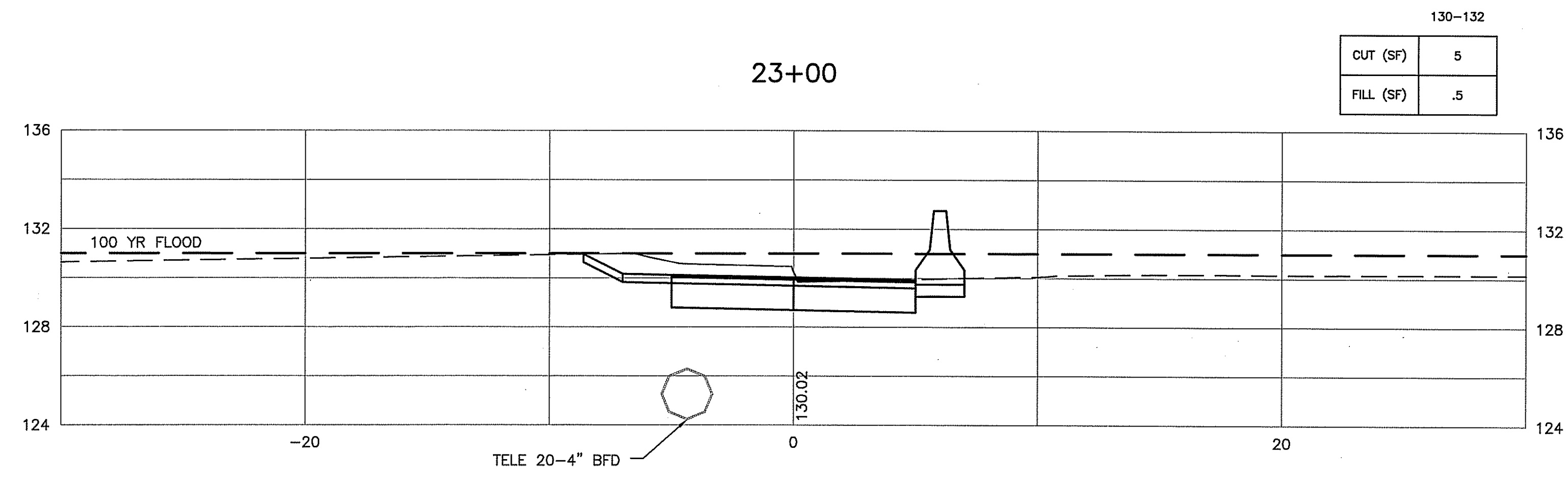
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DEC 07 2016  
Office of Water Resources

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NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'

**vhb**  
1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100



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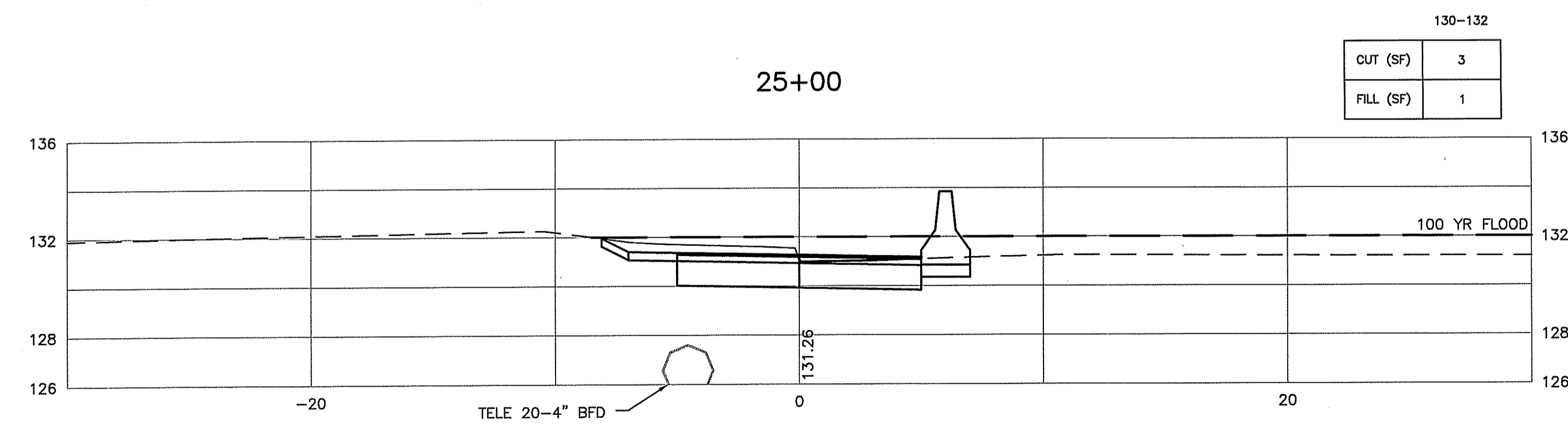
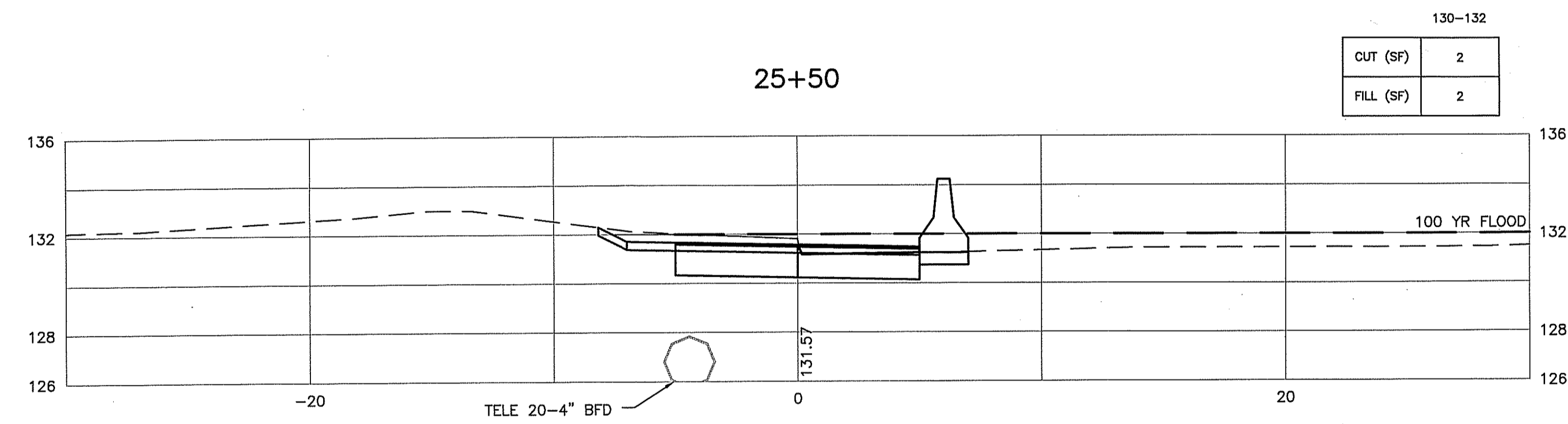
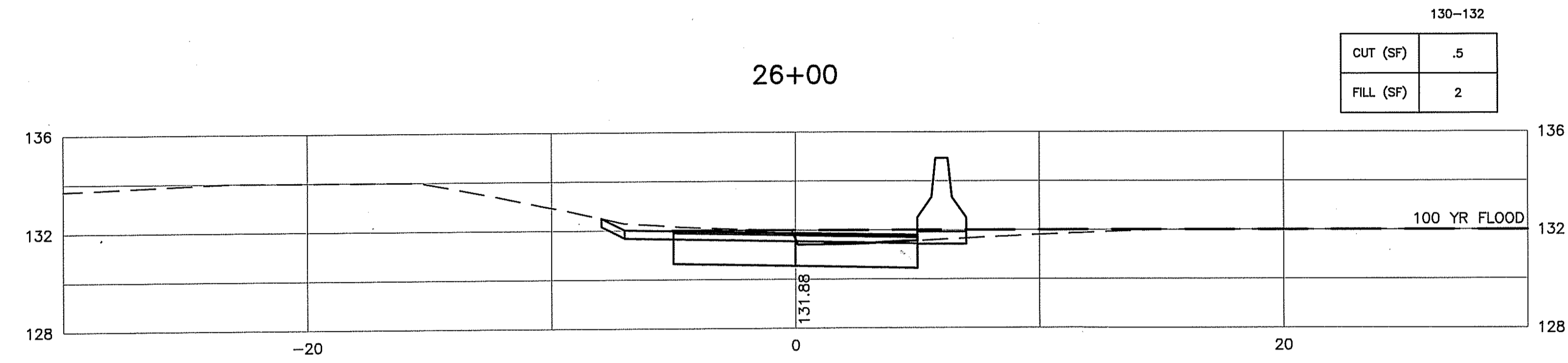
vhb  
1 Cedar Street  
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Providence, RI 02903  
401.272.8100

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NO.	DATE	BY

**BLACKSTONE RIVER BIKEWAY  
SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'



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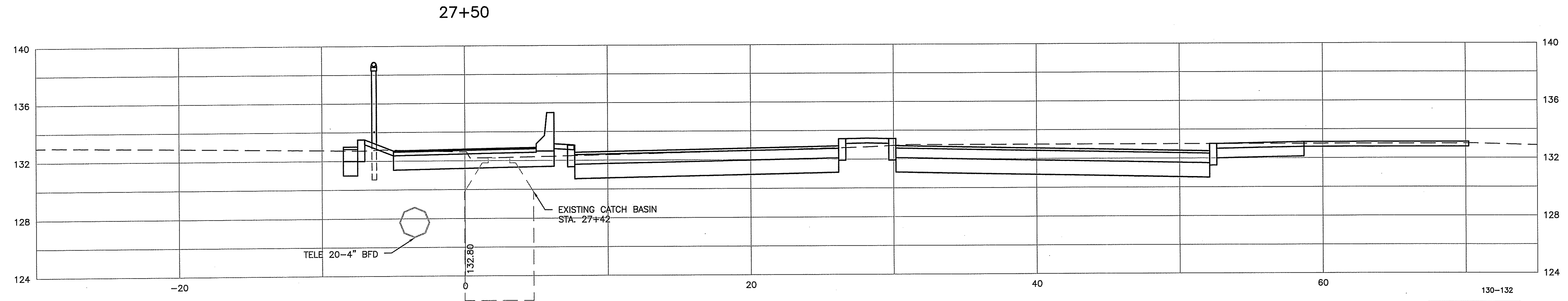
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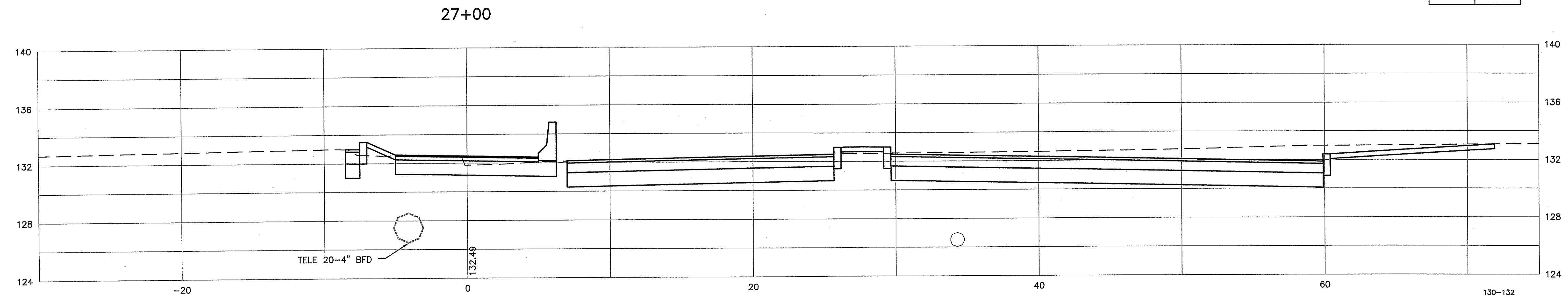
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**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

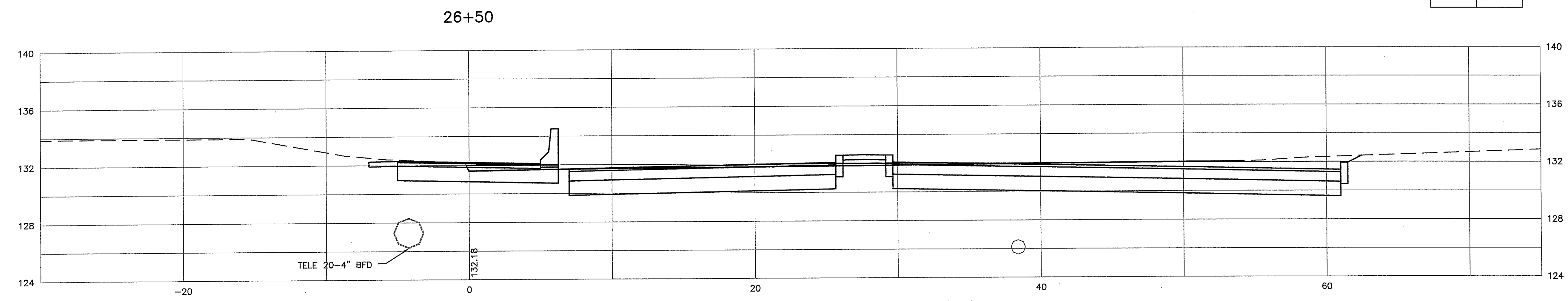
WOONSOCKET, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'



CUT (SF)	.5
FILL (SF)	0



CUT (SF)	7
FILL (SF)	6



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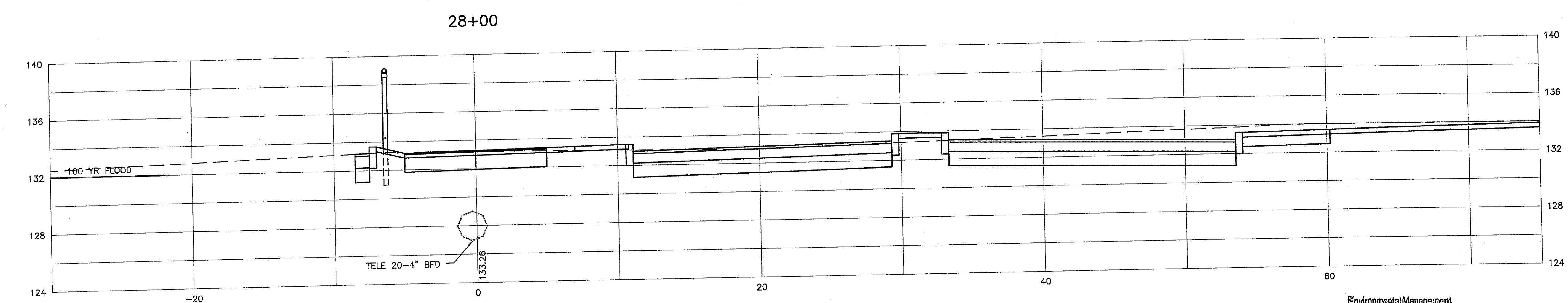
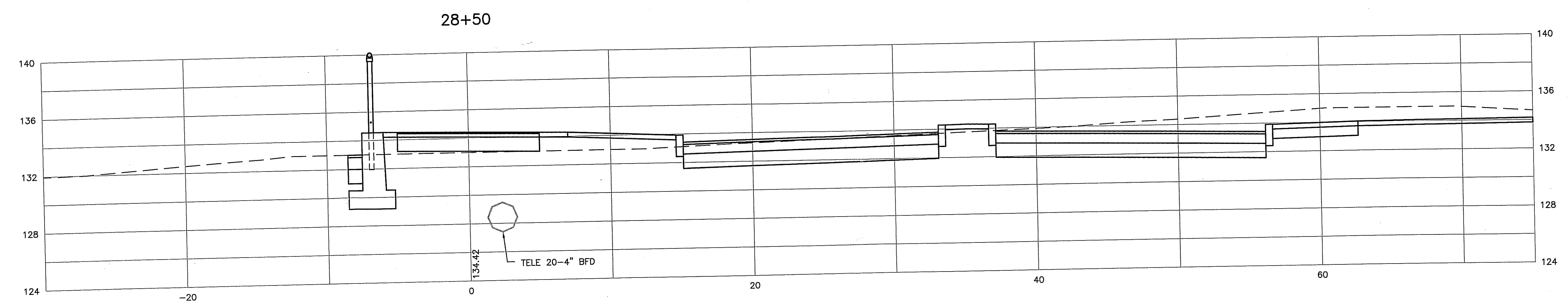
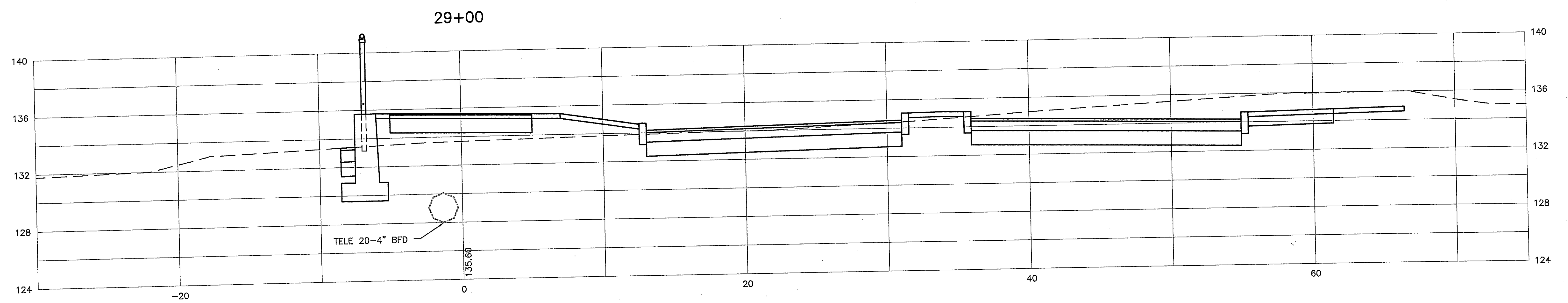
**vhb**  
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**BLACKSTONE RIVER BIKEWAY  
 SEGMENT 8B-1**

WOONSOCKET, RHODE ISLAND

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=4'



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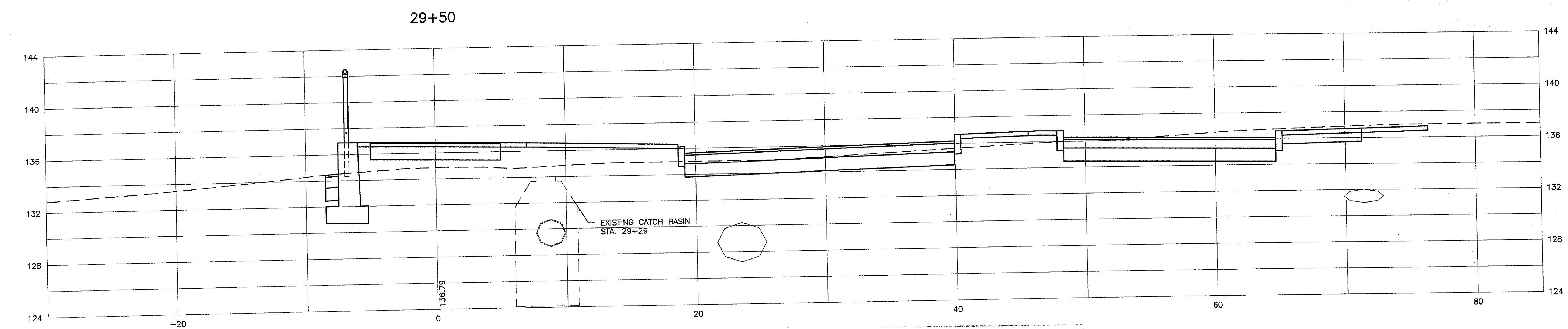
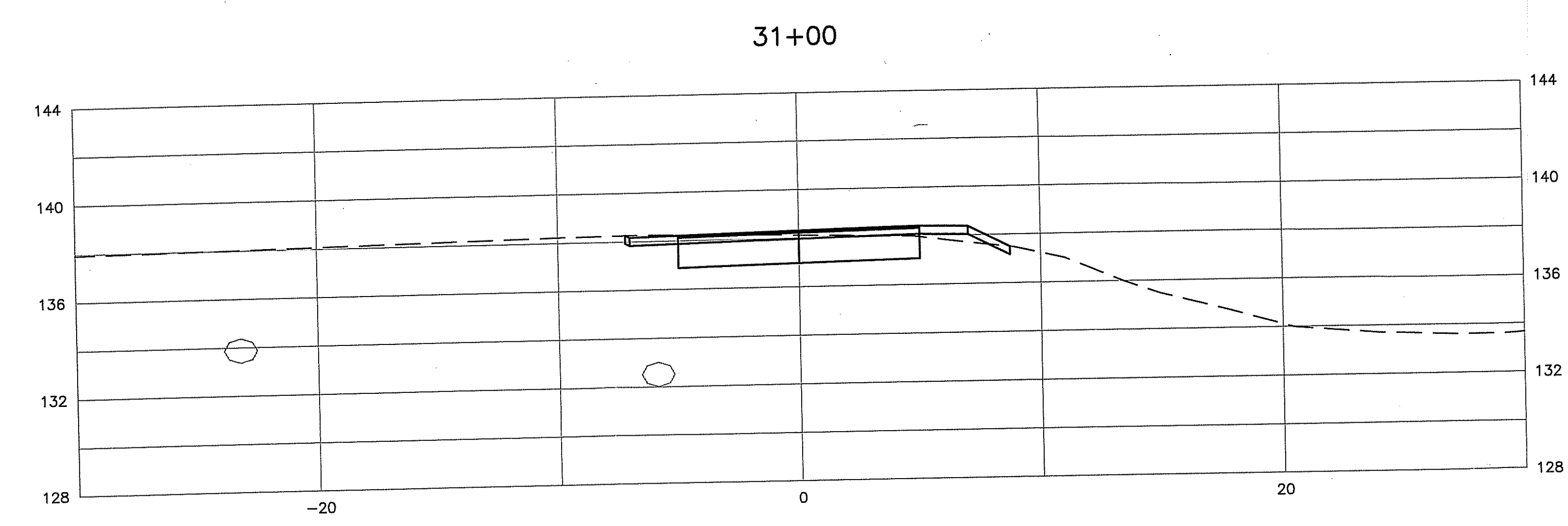
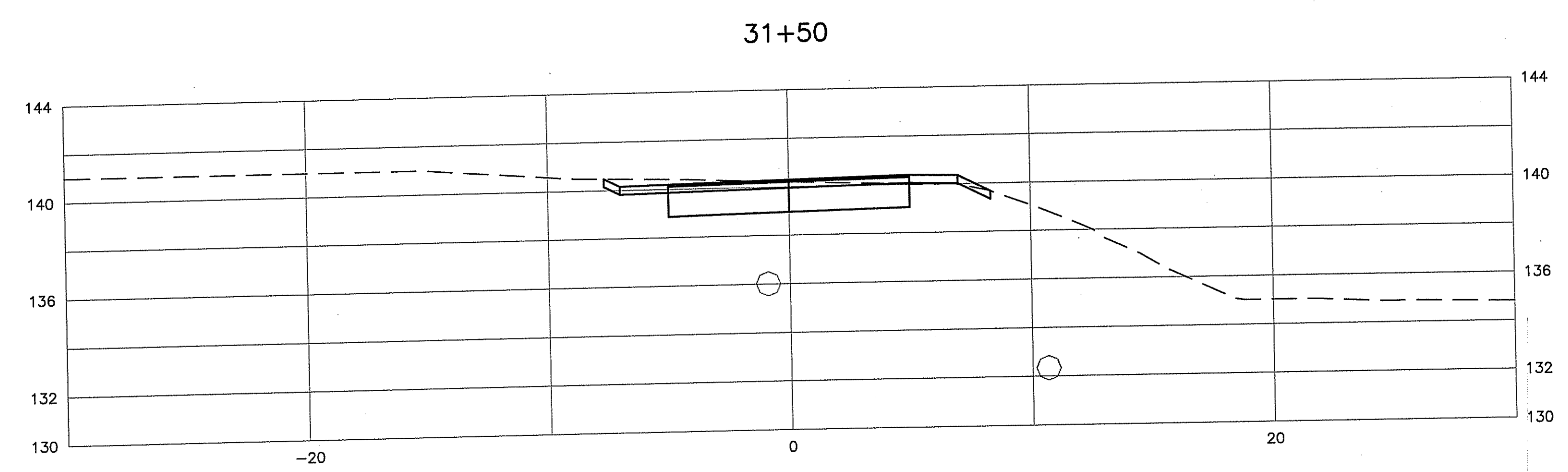
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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**BLACKSTONE RIVER BIKEWAY  
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 WOONSOCKET, RHODE ISLAND  
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*Signature*

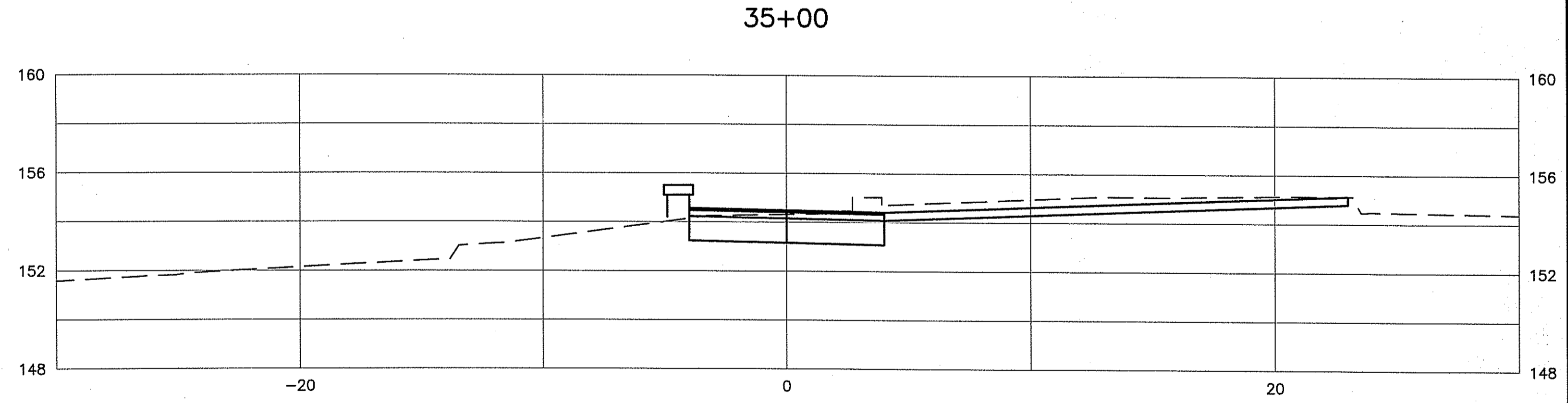
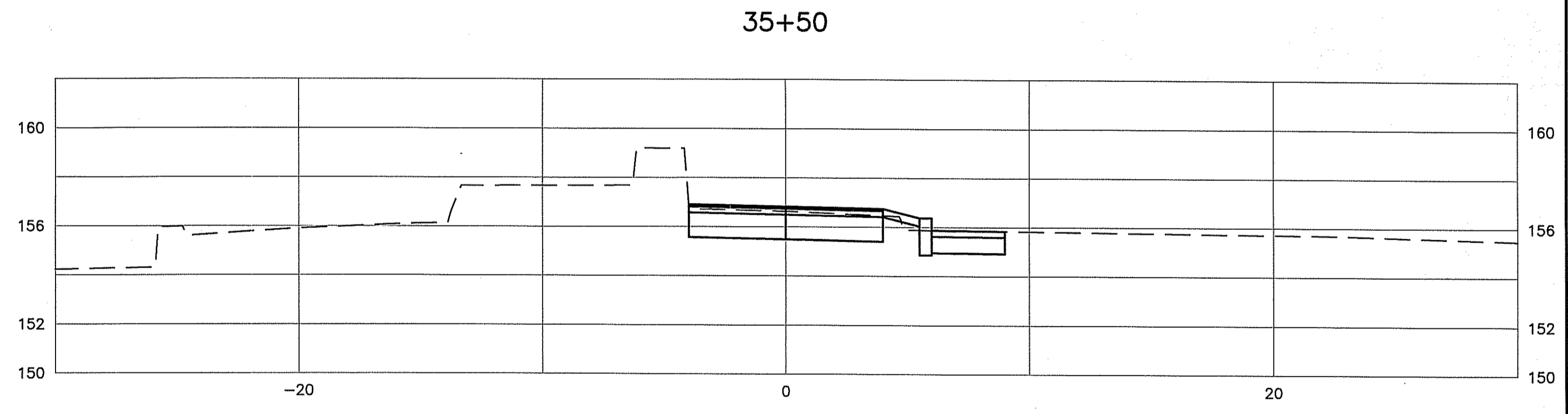
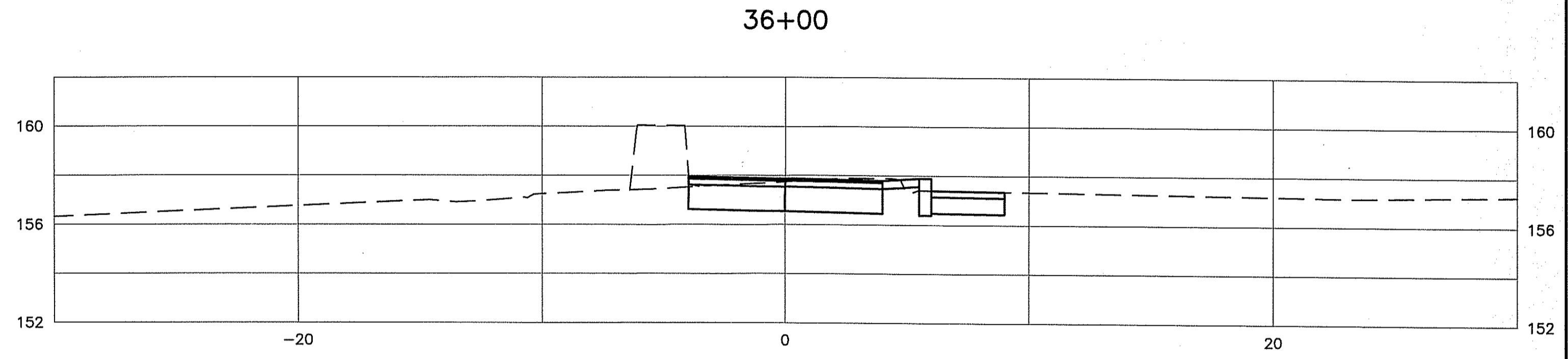
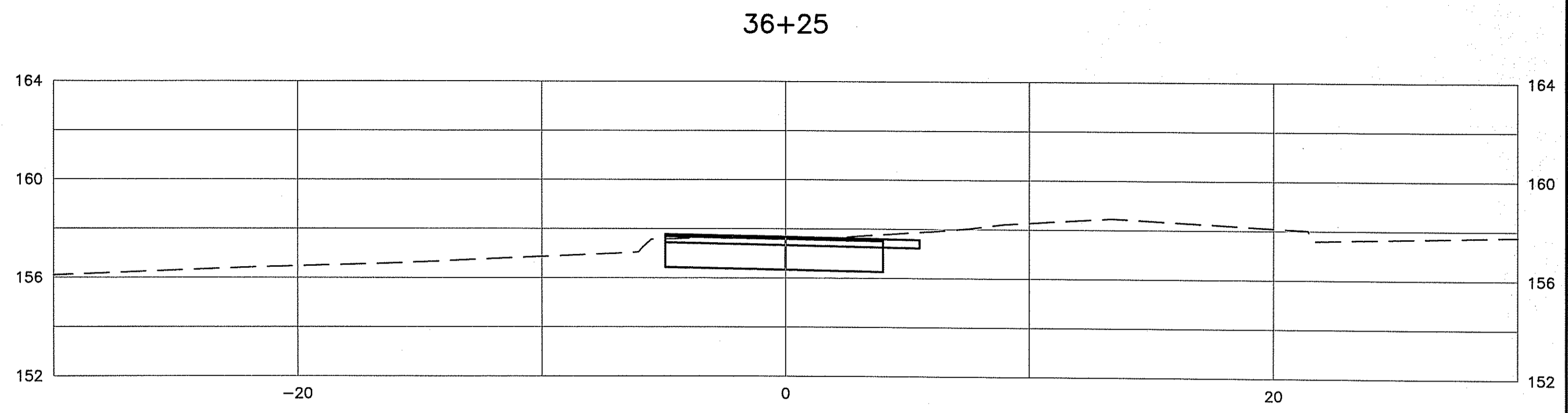
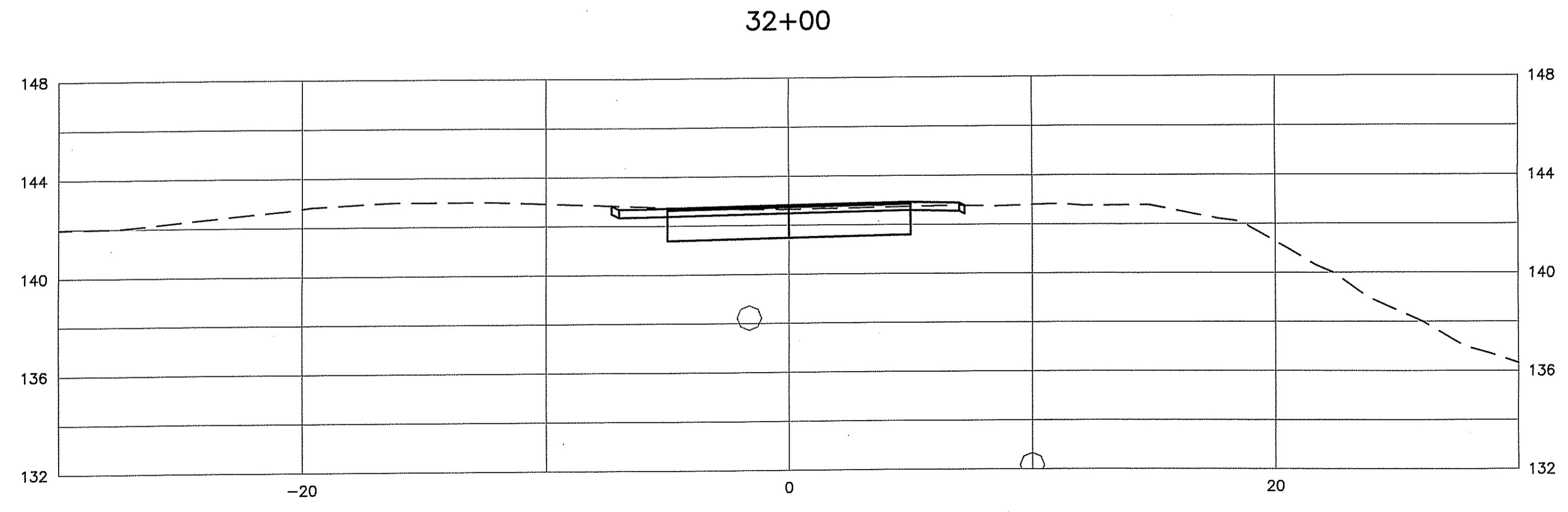
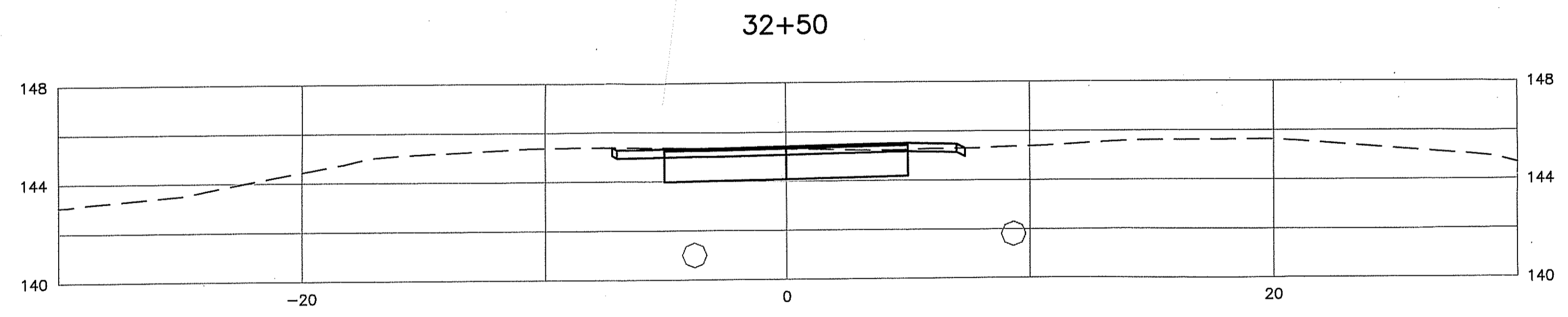
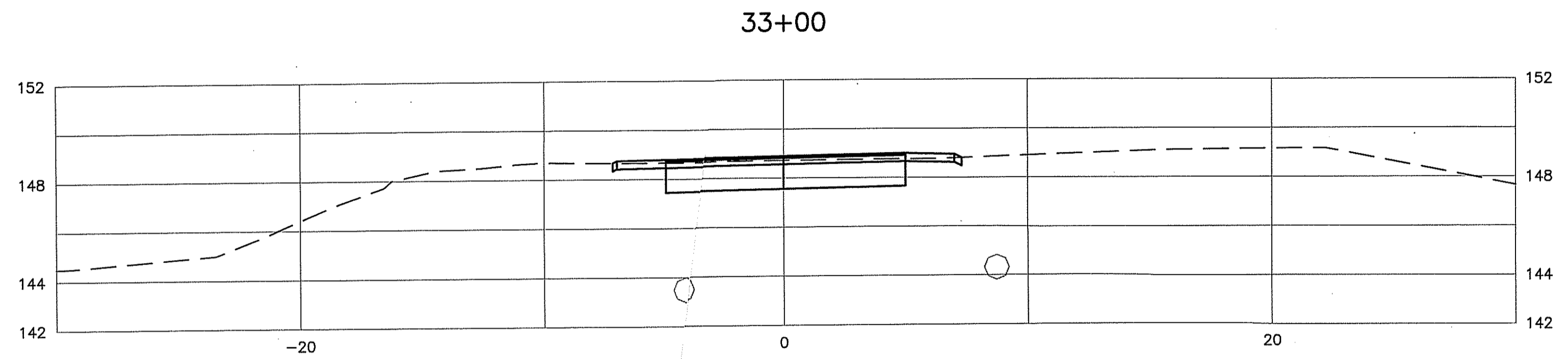
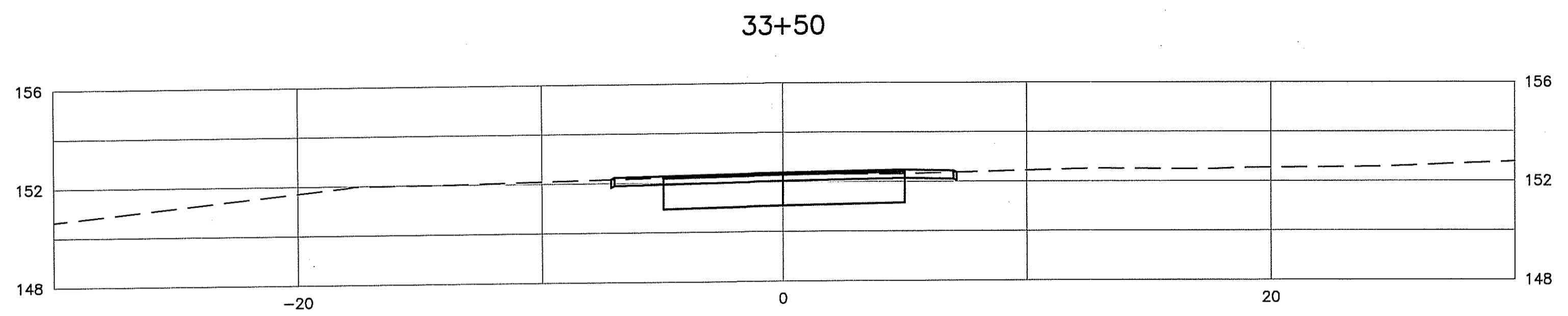
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**BLACKSTONE RIVER BIKEWAY  
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WOONSOCKET, RHODE ISLAND  
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