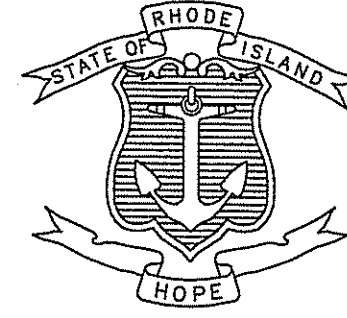


INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS AND STANDARD LEGEND
3-4	STANDARD NOTES - 1-2
5	JOB SPECIFIC LEGEND, NOTES AND MISCELLANEOUS DETAILS
6	TYPICAL SECTIONS
7-44	GENERAL PLAN NO. 1-38

STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
WOODVILLE ROAD IMPROVEMENTS
 MAIN STREET/NOOSENECK HILL ROAD (ROUTE 3) TO SWITCH ROAD
 TOWNS OF HOPKINTON AND RICHMOND
 COUNTY OF WASHINGTON

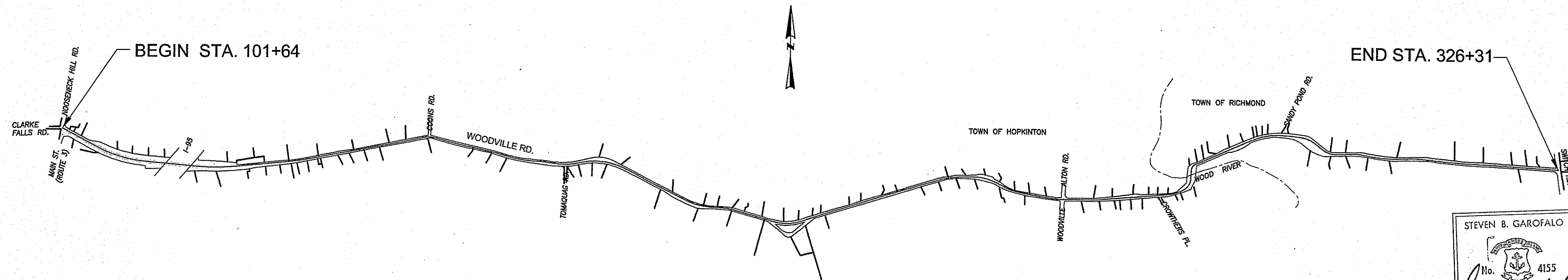
R.I. CONTRACT NO. 2015-CH-062 F.A. PROJECT NO. XXX-XXXX(XXX)

PAVEMENT STRUCTURE

MICRO MILLING AND OVERLAY (STA 101+64 TO STA 126+00)
 2" CLASS 12.5 HMA

PAVEMENT RECLAMATION (STA 126+00 TO STA 326+31)
 1.5" CLASS 9.5 HMA WITH PAY ADJUSTMENTS
 2.5" CLASS 19.0 HMA (WITH PAY FACTORS) BASE COURSE
 6" RECLAIMED BASE COURSE

4.3 MILES

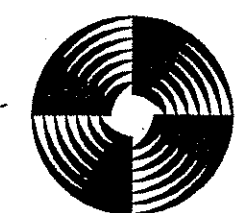


LAYOUT PLAN
 1" = 1000'

SCALES OF DRAWINGS

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

Vertical Datum Used: NAVD 88
 Horizontal Datum Used: NAD 83 (2011) (2010.00)



GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

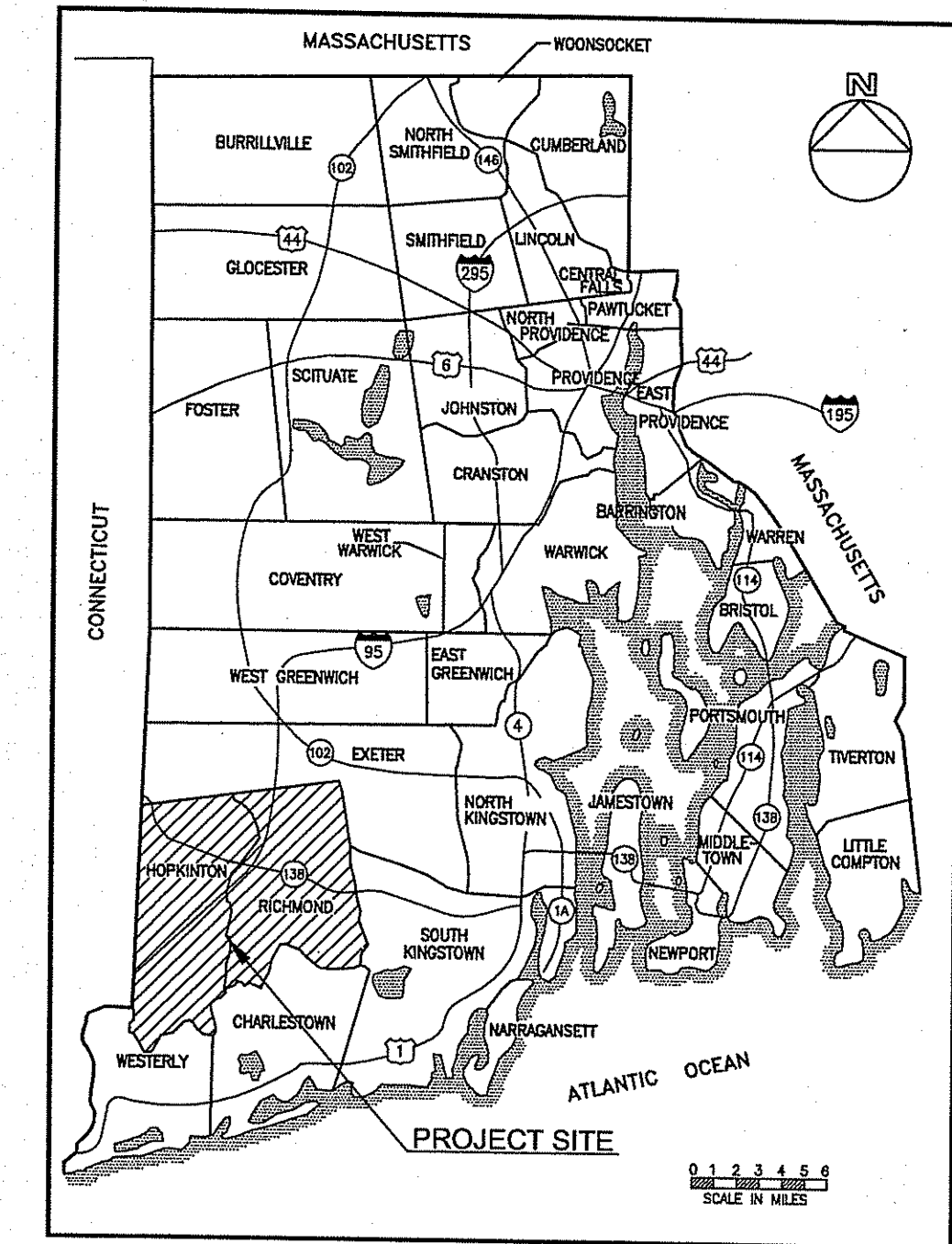
Contract Number 2015-CH-062

Number of Sheet _____

Total Sheets _____

STEVEN B. GAROFALO
 No. 4155
 REGISTERED PROFESSIONAL ENGINEER
 6-24-17

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET	
1	R.I.	XXX-XXXX(XXX)	2018	1	44	
RIDEM SUBMISSION					1	44



LOCATION MAP

DESIGN DESIGNATION

WOODVILLE ROAD	
AADT (2011)	750 V.P.D.
AADT (2031)	975 V.P.D.
D	49% EB/51% WB
K	10%
T	-
DDHV	-
DHV	75 V.P.H.
DESIGN SPEED	40 M.P.H.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Habet

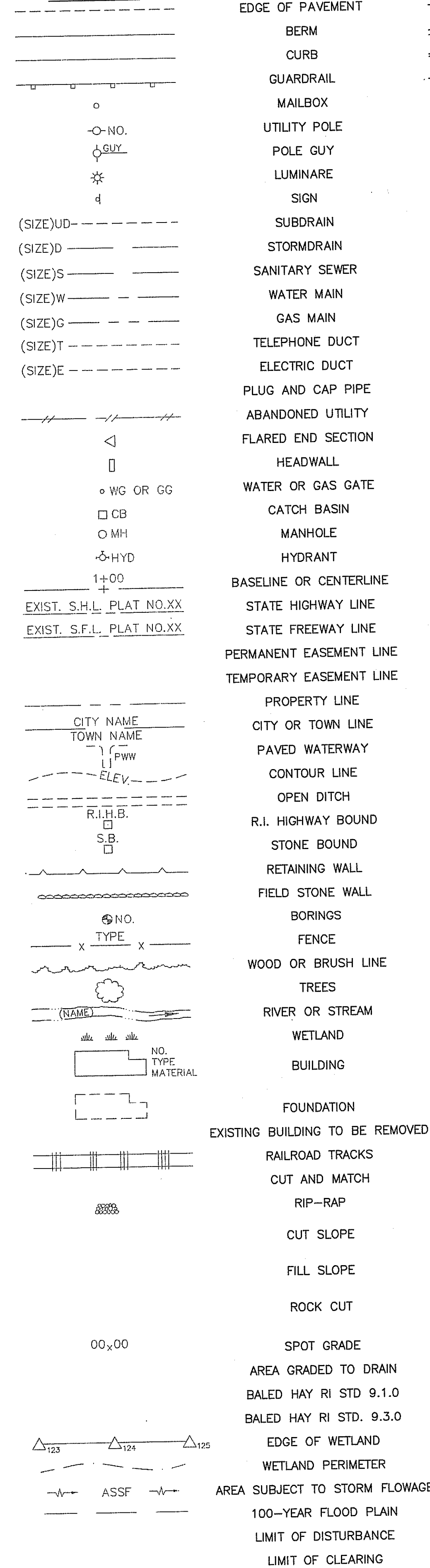
RIDEM SUBMISSION
 JUNE 2017

R.I. DEPARTMENT OF TRANSPORTATION

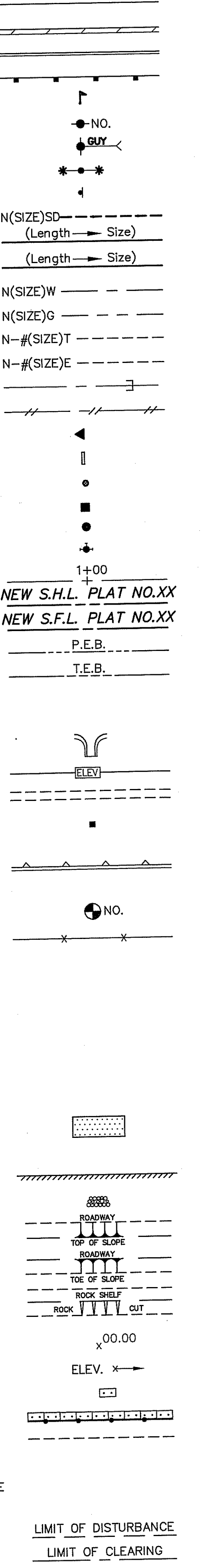
APPROVED	
ADMINISTRATOR, PROJECT MANAGEMENT	DATE
APPROVED	
CHIEF ENGINEER OF INFRASTRUCTURE	DATE
APPROVED	
DIRECTOR	DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(XXX)	2018	2	79	
RIDEM SUBMISSION					2	44

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 (X) POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES (NO.)
- 18.2.0 PRECAST TYPE "A" HANDHOLE
- 18.3.0 HEAVY DUTY TYPE "H" HANDHOLE
- 20.2.0 ALUMINUM LIGHTING STANDARDS
- 24.6.1 BI-DIRECTIONAL CONTROL DEVICE
- 26.2.0 STREET SIGN MOUNTING DETAIL
- 26.3.0 POLYETHYLENE DRUM WITH MARKINGS
- 31.1.0 PVC PLASTIC PIPE TYPE III BARRICADE
- 31.2.0 CHAIN LINK FENCE 3'-0" TO 4'-0"
- 31.2.1 CHAIN LINK FENCE 5'-0" TO 6'-0"
- 31.3.0 CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST
- 34.1.0 WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)
- 34.2.0 TYPICAL GUARDRAIL INSTALLATION
- 34.2.1 STEEL BEAM GUARDRAIL
- 34.2.2 STEEL BEAM GUARDRAIL DETAILS
- 34.2.3 STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY
- 34.2.5 STEEL BEAM GUARDRAIL FIXTURES
- 34.3.1 STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
- 34.3.2 GUARDRAIL END SECTION
- 34.3.3 TERMINAL END SECTION (SINGLE FACE)
- 34.3.4 ANCHORAGE DETAILS APPROACH END SECTION
- 34.4.0 ANCHORAGE DETAILS TRAILING END SECTION
- 34.4.1 STEEL BACKED TIMBER GUARDRAIL
- 40.1.0 STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1
- 40.2.0 DOUBLE-FACED PRECAST MEDIAN BARRIER
- 40.2.1 SINGLE-FACED PRECAST MEDIAN BARRIER
- 40.3.0 SINGLE-FACED PRECAST MEDIAN BARRIER
- 40.5.0 PRECAST MEDIAN BARRIER TRANSITION UNIT
- 43.1.0 PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL
- 43.2.0 CEMENT CONCRETE SIDEWALK
- 43.3.0 BITUMINOUS CONCRETE SIDEWALK
- 43.3.1 WHEELCHAIR RAMP
- 43.3.2 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 WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
- 51.2.0 DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB
- 51.3.0 DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
- 51.4.0 CEMENT CONCRETE DRIVEWAYS
- 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 BUILD NEW STRUCTURE OVER EXISTING PIPE
- CCB CLEAN CATCH BASIN
- CCP CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
- CFP CLEAN AND FLUSH PIPE
- CG CLEARING AND GRUBBING
- CMH CLEAN MANHOLE
- CP (X) COLD PLANE (DEPTH)
- CPP CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
- DB REMOVE AND DISPOSE BITUMINOUS CURB
- DC REMOVE AND DISPOSE CONCRETE CURB
- DCB REMOVE AND DISPOSE CATCH BASIN
- DDI REMOVE AND DISPOSE DROP INLET
- DF REMOVE AND DISPOSE FENCE
- DFC REMOVE AND DISPOSE FRAME AND COVER
- DFE REMOVE AND DISPOSE FLARED END SECTION
- DFG REMOVE AND DISPOSE FRAME AND GRATE
- DFH REMOVE AND DISPOSE FIRE HYDRANT
- DFP REMOVE AND DISPOSE FLEXIBLE PAVEMENT
- DG REMOVE AND DISPOSE GUARDRAIL
- DGC REMOVE AND DISPOSE GRANITE CURB
- DH REMOVE AND DISPOSE HEADWALL
- DHB REMOVE AND DISPOSE HIGHWAY BOUND
- DHH REMOVE AND DISPOSE HANDHOLE
- DL REMOVE AND DISPOSE LIGHT AND FOUNDATION
- DMB REMOVE AND DISPOSE MEDIAN BARRIER
- DMH REMOVE AND DISPOSE MANHOLE
- DMM REMOVE AND DISPOSE MEDIAN MARKER
- DOW REMOVE AND DISPOSE OBSERVATION WELL
- DP REMOVE AND DISPOSE PIPE
- DPB REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
- DRB REMOVE AND DISPOSE RIGID BASE
- DS REMOVE AND DISPOSE SIGN
- DSS REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
- DSW REMOVE AND DISPOSE SIDEWALK
- DTD REMOVE AND DISPOSE TELEPHONE DUCT BANKS
- DUP REMOVE AND DISPOSE UTILITY POLE
- DWW REMOVE AND DISPOSE PAVED WATERWAY
- GET FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
- IA FLARED GUARDRAIL END TREATMENT
- IDL IMPACT ATTENUATOR
- LOD IMPERVIOUS DITCH LINER
- LOR LIMIT OF DISTURBANCE
- LOR LIMIT OF REGRADING

- LS 4" LOAM AND SEED
- NFH NEW FIRE HYDRANT WITH GATE VALVE
- NIC NOT IN THIS CONSTRUCTION CONTRACT
- NWB FURNISH AND INSTALL NEW WATER GATE VALVE BOX
- NWVB FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX
- NWCB FURNISH AND INSTALL NEW WATER CURB STOP BOX
- NWSB FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
- PCD PERMANENT CHECK DAM
- PS 4" PLANTABLE SOIL AND SEED
- RCB RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
- RCM R.I.D.O.T. COMMUNICATIONS MANHOLE
- RHH REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
- RLP RELOCATE LAMP POST
- RMB RELOCATE MAILBOX (BY OTHERS)
- RPM REMOVE PAVEMENT MARKINGS
- RRP RIP-RAP PAD (SEE DETAIL)
- RRS REMOVE AND RELOCATE SIGN
- RUP RELOCATE UTILITY POLE (BY OTHERS)
- SB STONE BAFFLE
- SBAE STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
- SBTE STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
- SD- STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
- SF REMOVE AND STOCKPILE FENCE
- SGA SPECIAL GRADED AGGREGATE
- SGC REMOVE AND STOCKPILE GRANITE CURB
- SGR REMOVE AND STOCKPILE GUARDRAIL
- SH REMOVE AND STOCKPILE HYDRANT
- SS REMOVE AND STOCKPILE SIGN
- STS REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
- TB CONCRETE THRUST BLOCK
- TEP TIE EXISTING PIPE INTO NEW STRUCTURE
- TNP TIE NEW PIPE INTO EXISTING STRUCTURE
- TBT THRIE BEAM TRANSITION
- TBBC THRIE BEAM BRIDGE CONNECTION
- TT TREE TRIMMING
- WCM 4" WOOD CHIP MULCH
- T4DY 4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
- T6W 6" EPOXY RESIN PAVEMENT MARKINGS - WHITE
- T12W 12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
- T24W 24" EPOXY RESIN PAVEMENT MARKINGS - WHITE
- T6WT 6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)
- T4Y 4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
- T6Y 6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
- P.G.L. PROFILE GRADE LINE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED JUL 27 2017 FILE # 17-0037 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

THIS PLAN SHALL NOT BE ALTERED

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

**STANDARD PLAN SYMBOLS
AND STANDARD LEGEND**

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: N/A

REVISIONS		
NO.	DATE	BY
1	6/07	TRB

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxx(xxx)	2018	4	79
				RIDEM SUBMISSION	4 44

LANDSCAPE NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6"-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

GENERAL

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

CONSTRUCTION DRAWINGS AND DETAILS

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

TRAFFIC SIGNAL NOTES:

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

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLAINED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 21 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Hackett

THIS PLAN SHALL NOT BE ALTERED

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

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**
HOPKINTON/RICHMOND, RHODE ISLAND

STANDARD NOTES - 2

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: N/A



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(xxx)	2018	5	79	
RIDEM SUBMISSION					5	44

JOB SPECIFIC LEGEND

- BCD HMA BITUMINOUS CONCRETE DRIVEWAY
3" CLASS 9.5 HMA FOR MISCELLANEOUS WORK
8" GRAVEL BORROW SUBBASE COURSE
- CFS COMPOST FILTER SOCK
- ETNA GUARDRAIL END TERMINAL NON-ENERGY ABSORBING
- ISCD INLET SEDIMENT CONTROL DEVICE
- MB RURAL MAILBOX
- MM 2" MICRO-MILL
- PMM PAVEMENT MILLINGS BENEATH GUARDRAIL
- RB REMOVE AND DISPOSE BOULDER
- RRC REMOVE AND RESET COBBLES
- SMB REMOVE AND SALVAGE/DISPOSE RURAL MAILBOX AND/OR POST AND MOUNTING

PAVEMENT STRUCTURE LEGEND

- A^X CLASS 9.5 HMA WITH PAY ADJUSTMENTS
- B^X CLASS 19.0 HMA WITH PAY ADJUSTMENTS (BASE COURSE)
- C^X RECLAIMED BASE COURSE
- D^X CLASS 12.5 HMA

JOB SPECIFIC GENERAL NOTES:

- IN AREAS WHERE NO CURBS ARE PRESENT THE CONTRACTOR IS TO TRANSITION GRADE TO MAINTAIN PROPER ROADSIDE SLOPES. NO SUDDEN DROP-OFFS ARE TO BE PRESENT. LOAM AND SEED SHALL BE PLACED AT THE EDGE OF PAVEMENT TO AVOID LOW OR ERODED AREAS, AT THE DIRECTION OF THE ENGINEER.
- ALL PROPOSED PAVEMENT IS TO BE CUT AND MATCHED TO EXISTING PAVEMENT.
- THE CONTRACTOR SHALL RESTRICT STOCKPILE AREAS TO THE LOCATIONS APPROVED BY THE ENGINEER, AND MUST COORDINATE WITH THE RIDOT HIGHWAY AND BRIDGE MAINTENANCE SECTION TO ENSURE THAT NO CONFLICTS OF OPERATIONS OCCUR. THE USE OF ANY OTHER AREAS IS STRICTLY PROHIBITED. STOCKPILED MATERIALS SHOULD BE LOCATED OUTSIDE THE CLEAR ZONE AND REMOVED IN A TIMELY FASHION. ALL DISTURBED AREAS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER WITH LOAM AND SEEDING.
- ALL SURVEY FIELD BOOKS AND ELECTRONIC DATA SHALL BE SUBMITTED TO RIDOT SURVEY SECTION UPON COMPLETION OF PROJECT.
- WOODVILLE ROAD BRIDGE NO. 568 OVER INTERSTATE 95 HAS EXPANSION JOINTS AT A SKEWED ANGLE TO THE TRAVEL WAY. SMALL MACHINES SHALL BE USED TO PERFORM THE PARTIAL DEPTH PAVEMENT REMOVAL OPERATIONS IN THE VICINITY OF THESE JOINTS TO AVOID DAMAGE TO THE JOINTS. PRIOR TO THE START OF ANY WORK, THE CONTRACTOR SHALL SUBMIT A WORK PLAN DETAILING THE METHODS AND EQUIPMENT TO BE USED FOR THIS WORK, INCLUDING THE METHOD(S) OF ACHIEVING ACCURATE PARTIAL DEPTH PAVEMENT REMOVAL PARALLEL AND CONTINUOUS ALONG THE JOINTS.
- THE CONTRACTOR'S EQUIPMENT MUST ABIDE BY ALL BRIDGE POSTINGS AND LOAD CAPACITY RATINGS, AND PERMIT REGULATIONS/REQUIREMENTS FOR LOADS, WIDTH AND MAXIMUM VERTICAL CLEARANCES. RATING SUMMARY IS AVAILABLE FROM RIDOT UPON REQUEST.
- ANY DAMAGE TO EXISTING BRIDGE EXPANSION JOINTS OR OTHER PORTIONS OF THE BRIDGE STRUCTURE(S) DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

DRAINAGE AND FLOODPLAIN NOTES:

- STREAM FLOW IS TO BE MAINTAINED THROUGHOUT CONSTRUCTION. WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL PERMITS.
- CULVERT REPLACEMENT SHALL ALLOW FOR ONE TRAVEL LANE TO REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- ALL CONSTRUCTION DEBRIS TO BE REMOVED UPON COMPLETION.
- TYPICAL CULVERT REPLACEMENT WORK IS ANTICIPATED TO TAKE APPROXIMATELY ONE WEEK PER LOCATION.

PLAN REFERENCES:

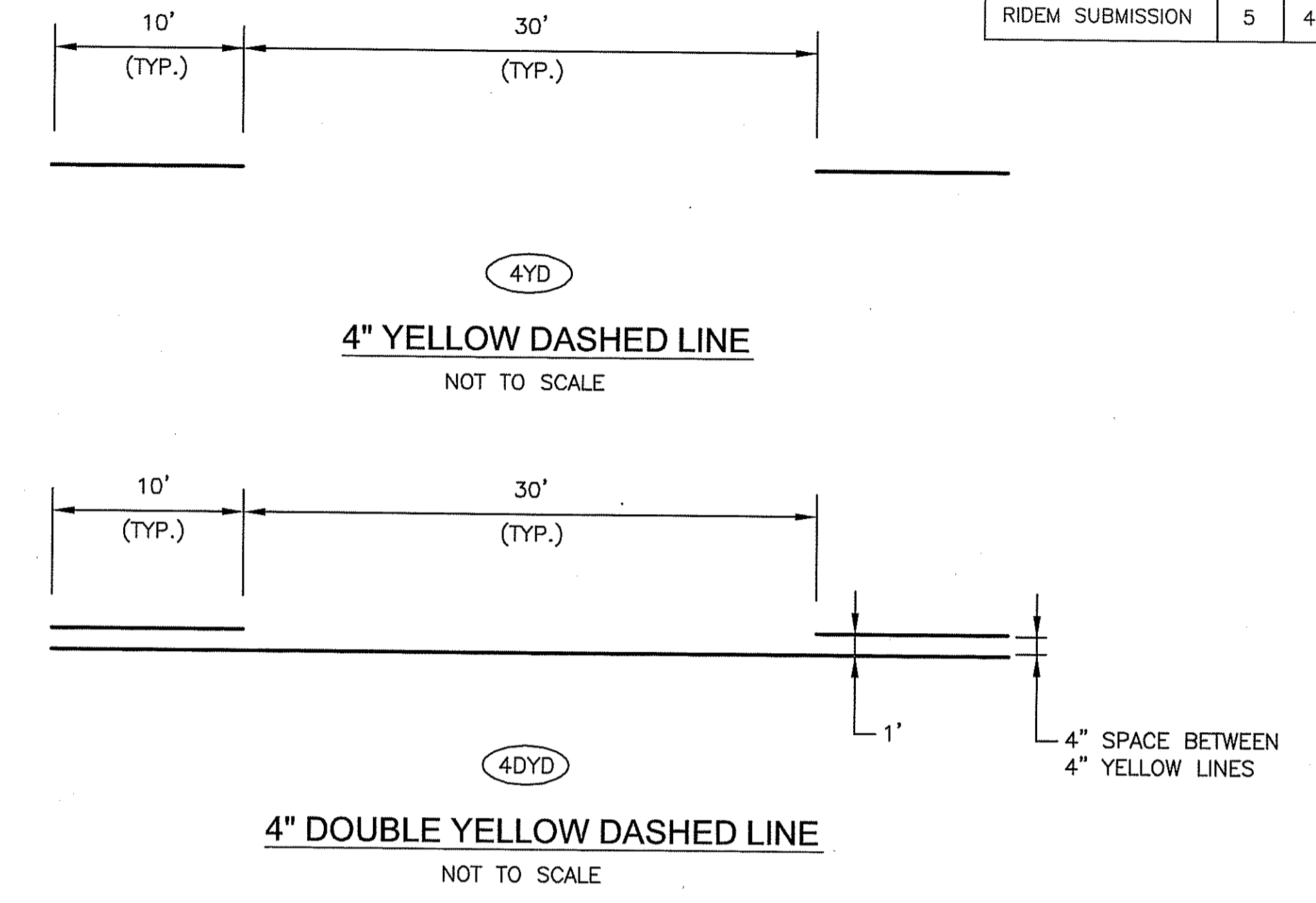
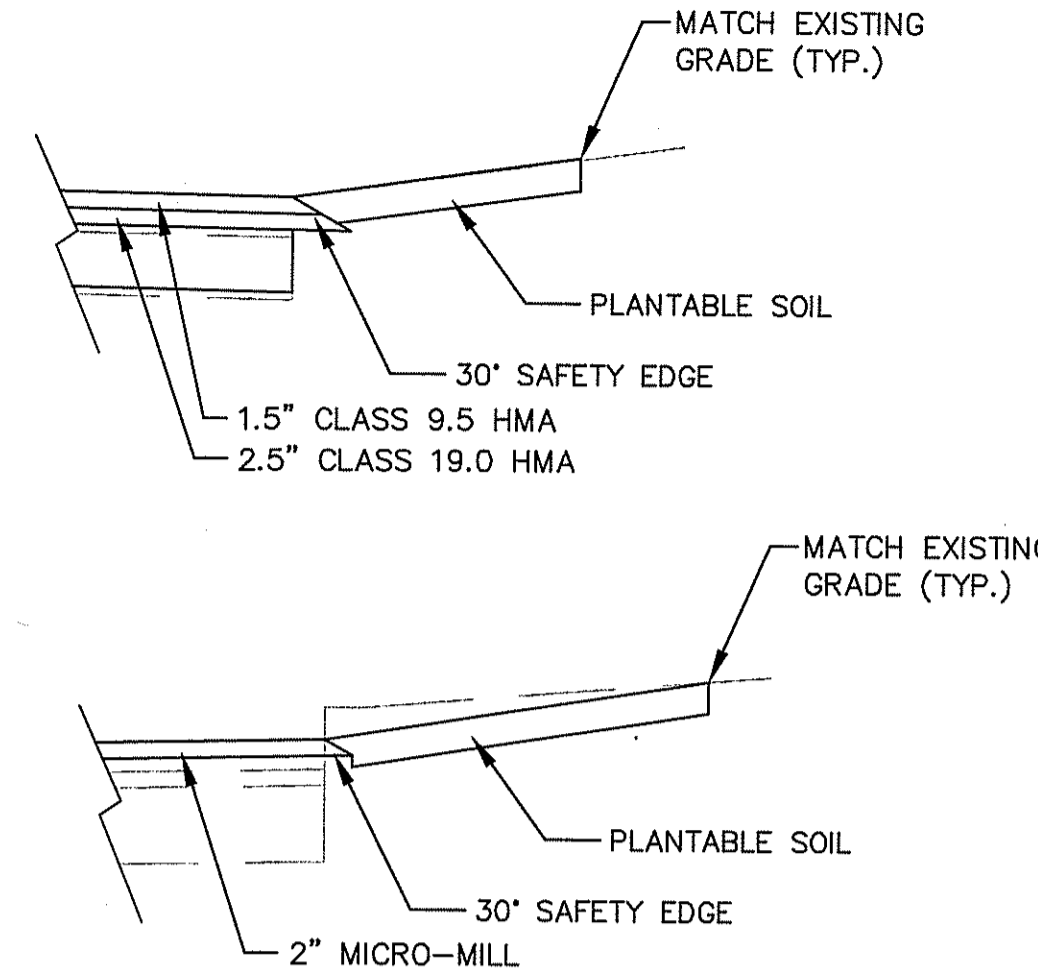
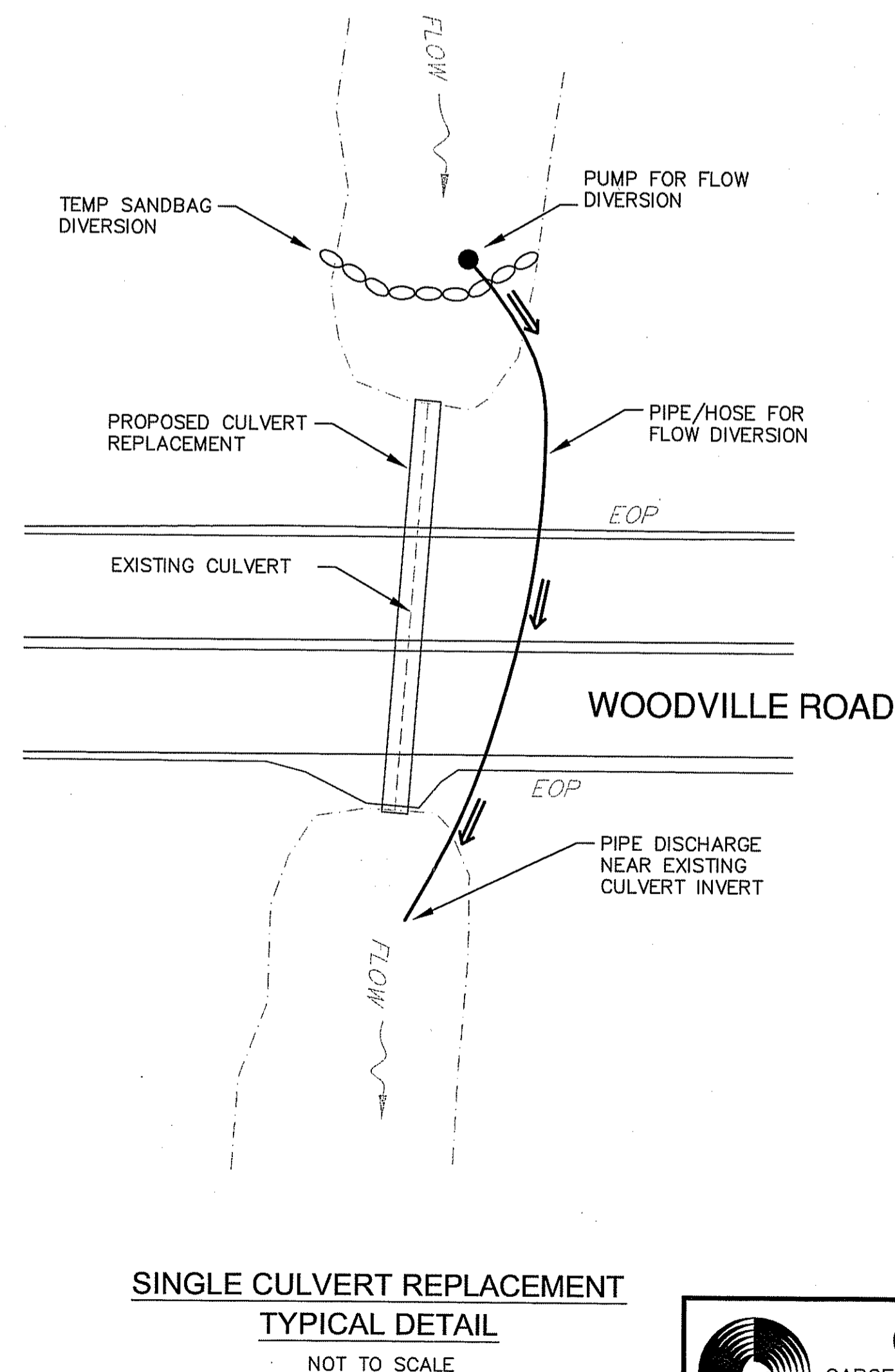
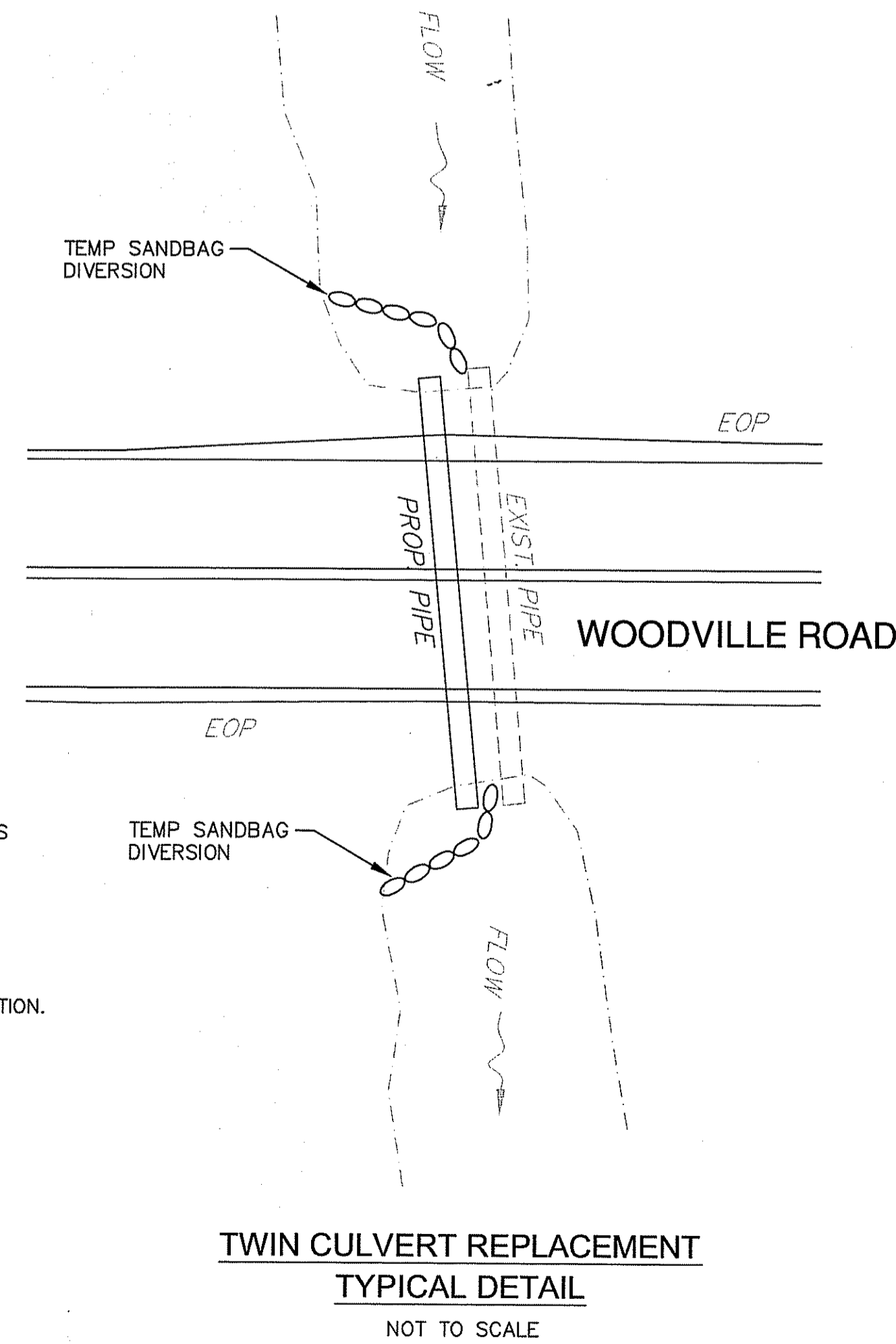
- STATE HIGHWAY PLATS NO. 65A, 65B, 746, 1191, 1225 AND 1502

NOTES:

- PORTIONS OF WOODVILLE ROAD ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAPS FOR THE TOWN OF HOPKINTON, RHODE ISLAND, WASHINGTON COUNTY, PANEL 135 OF 368, COMMUNITY PANEL NO. 440028 0135 H, MAP NUMBER 44009C0135H, EFFECTIVE DATE: OCTOBER 19, 2010, AND ON FLOOD INSURANCE RATE MAP FOR THE TOWN OF HOPKINTON, RHODE ISLAND, WASHINGTON COUNTY, PANEL 153 OF 368, COMMUNITY PANEL NO. 440028 0153 H, MAP NUMBER 44009C0153H, EFFECTIVE DATE: OCTOBER 19, 2010, AND ON FLOOD INSURANCE RATE MAP FOR THE TOWN OF RICHMOND, RHODE ISLAND, WASHINGTON COUNTY, PANEL 154 OF 368, COMMUNITY PANEL NO. 440031 0154 H, MAP NUMBER 44009C0154H, EFFECTIVE DATE: OCTOBER 19, 2010.
- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION @ 1-888-344-7233).

CULVERT REPAIR NOTES:

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL PROVIDE A MEANS OF BLOCKING OR DIVERTING THE WATER FLOW INTO THE UPSTREAM END OF THE EXISTING CULVERT BEFORE CULVERT REPAIR WORK CAN COMMENCE. SINGLE CULVERTS SHALL HAVE THE AREA BLOCKED OFF AND ANY ACCUMULATING WATER (IF ANY) WILL BE PUMPED TO THE DOWNSTREAM END OF THE CULVERT WHERE IT WILL BE DISCHARGED. TWIN CULVERTS SHALL HAVE ONE PIPE BLOCKED OFF AND THE WATER DIVERTED TO FLOW THROUGH THE SECOND PIPE WHILE THE FIRST PIPE IS REPLACED. THE OPERATION WILL THEN BE SWAPPED FOR REPLACEMENT OF THE SECOND PIPE.
- RECOMMENDED PUMP SIZES ARE NOTED ON EACH OF THE PLANS FOR THOSE SHOWN ON THAT PARTICULAR PLAN. CULVERT REPAIR WORK SHOULD BE SCHEDULED DURING DRY TIMES AND WHEN NO STORM EVENTS ARE ANTICIPATED.
- THE PUMP AND DISCHARGE AREAS SHALL BE KEPT FREE OF DEBRIS AND EROSION. IF ANY EROSION IS NOTICED AT THE PUMP PIPE DISCHARGE POINT, THE PIPE SHALL BE RELOCATED AND/OR TEMPORARY EROSION CONTROL MEASURES SHALL BE USED.



THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF HOPKINTON ON THE SIZE, PLACEMENT AND COLORS REQUIRED FOR THE ADDITION OF THE TOWN SYMBOL ON ALL TOWN OF HOPKINTON STREET NAME SIGNS.

STREET SIGN SYMBOL DETAIL (TOWN OF HOPKINTON)

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 JUL 27 2017 FILE # 17-0027
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles A. Harbert

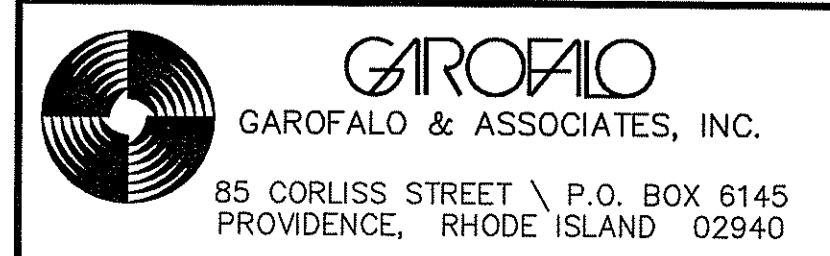
REVISIONS		
NO.	DATE	BY

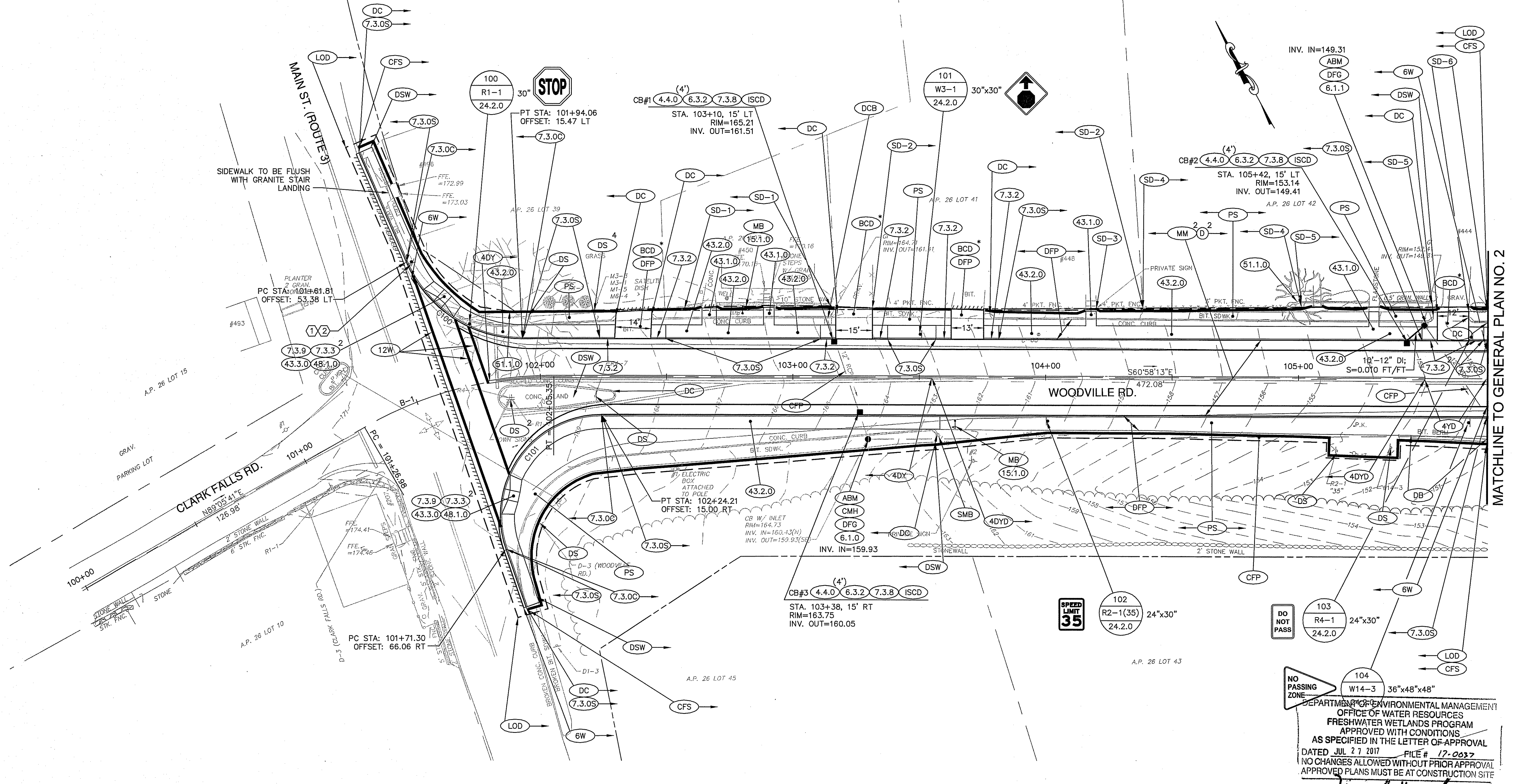
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

WOODVILLE ROAD IMPROVEMENTS
 HOPKINTON/RICHMOND, RHODE ISLAND

JOB SPECIFIC LEGEND, NOTES AND MISCELLANEOUS DETAILS

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: N/A





MATCHLINE TO GENERAL PLAN NO. 2

CURVE	NORTHING	EASTING
PC	137912.3920	251869.4316
PI	137913.0255	251909.5279
PT	137893.5658	251944.5912

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-1	150.00	78.37	40.10	29°56'06"
C100	50.00	57.82	32.63	66°15'42"
C101	50.00	76.30	56.38	109°17'23"

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
1	Woodville Rd		6" INITIAL UPPER CASE 4.5" LOWER CASE
2	Main St	24.6.1	

- NOTES:
- THE CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT 1-FOOT IN FRONT OF THE PROPOSED CURB LINE TO ALLOW FOR GRANITE CURB AND CONCRETE CURB LOCK INSTALLATION.
 - FULL DEPTH PAVEMENT INSTALLATION IS REQUIRED IN THE AREA WHERE THE EXISTING RAISED MEDIAN ISLAND WILL BE REMOVED (STATIONS 101+80 TO 102+30) ON WOODVILLE ROAD.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Harbert

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 COLLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

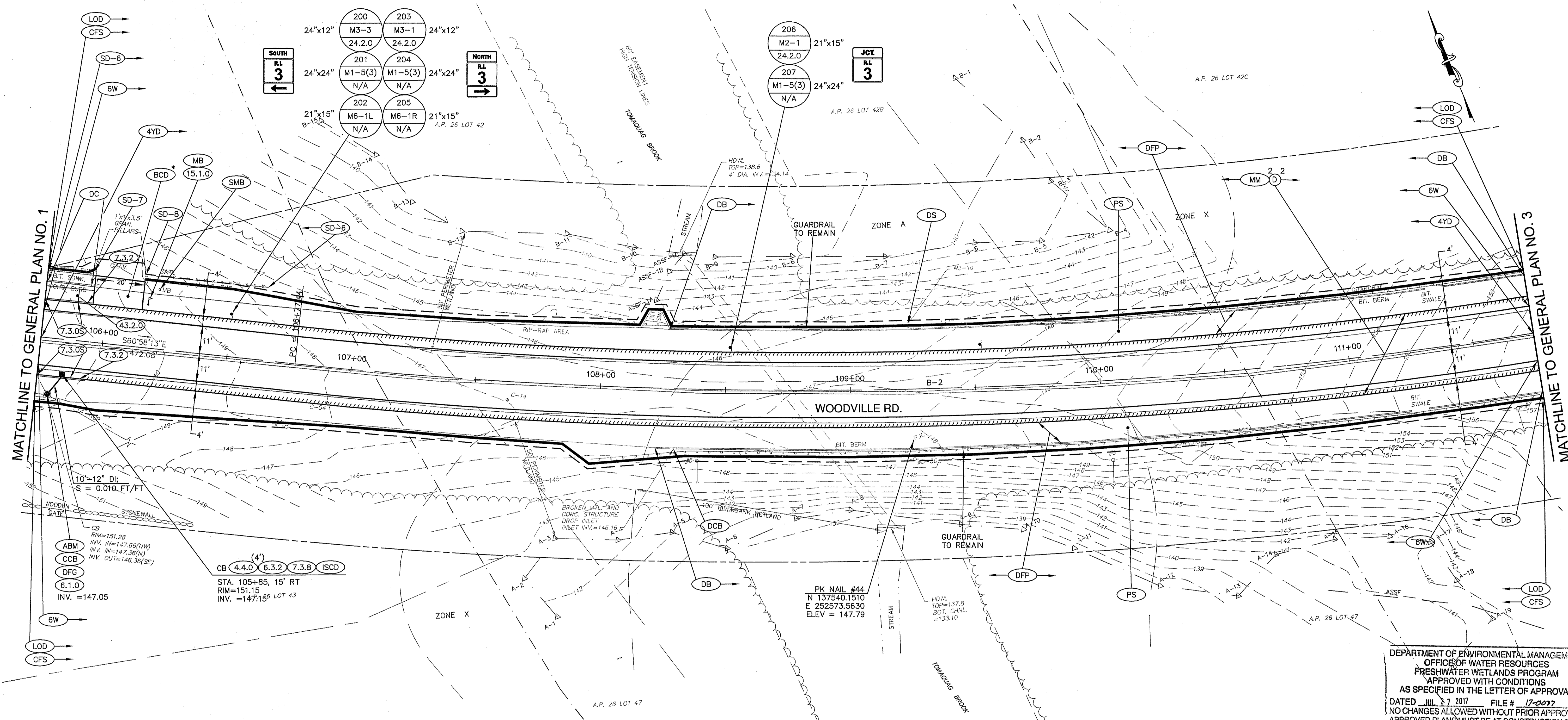
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 1

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

0165V_V1_007_GENERAL001



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0007
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Herbert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-2	1865.00	771.95	391.58	23°42'56"

CURVE	NORTHING	EASTING
PC	137664.4805	252357.3649
PI	137474.4598	252699.7508
PT	137438.1918	253089.6491

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

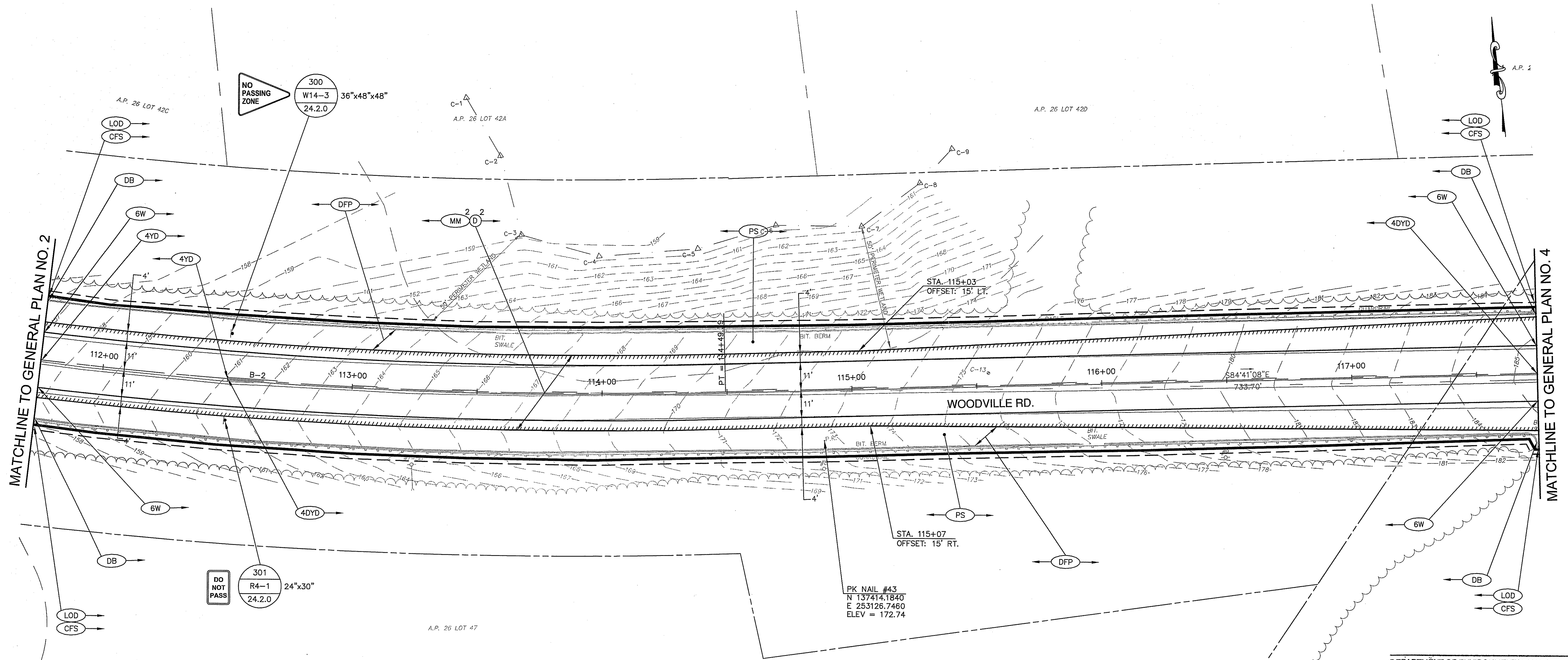
GENERAL PLAN NO. 2

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	9	79
				RIDEM SUBMISSION	9
					44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Roberts

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-2	1865.00	771.95	391.58	23°42'56"

CURVE	NORTHING	EASTING
PC	137664.4805	252357.3649
PI	137474.4598	252699.7508
PT	137438.1918	253089.6491

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

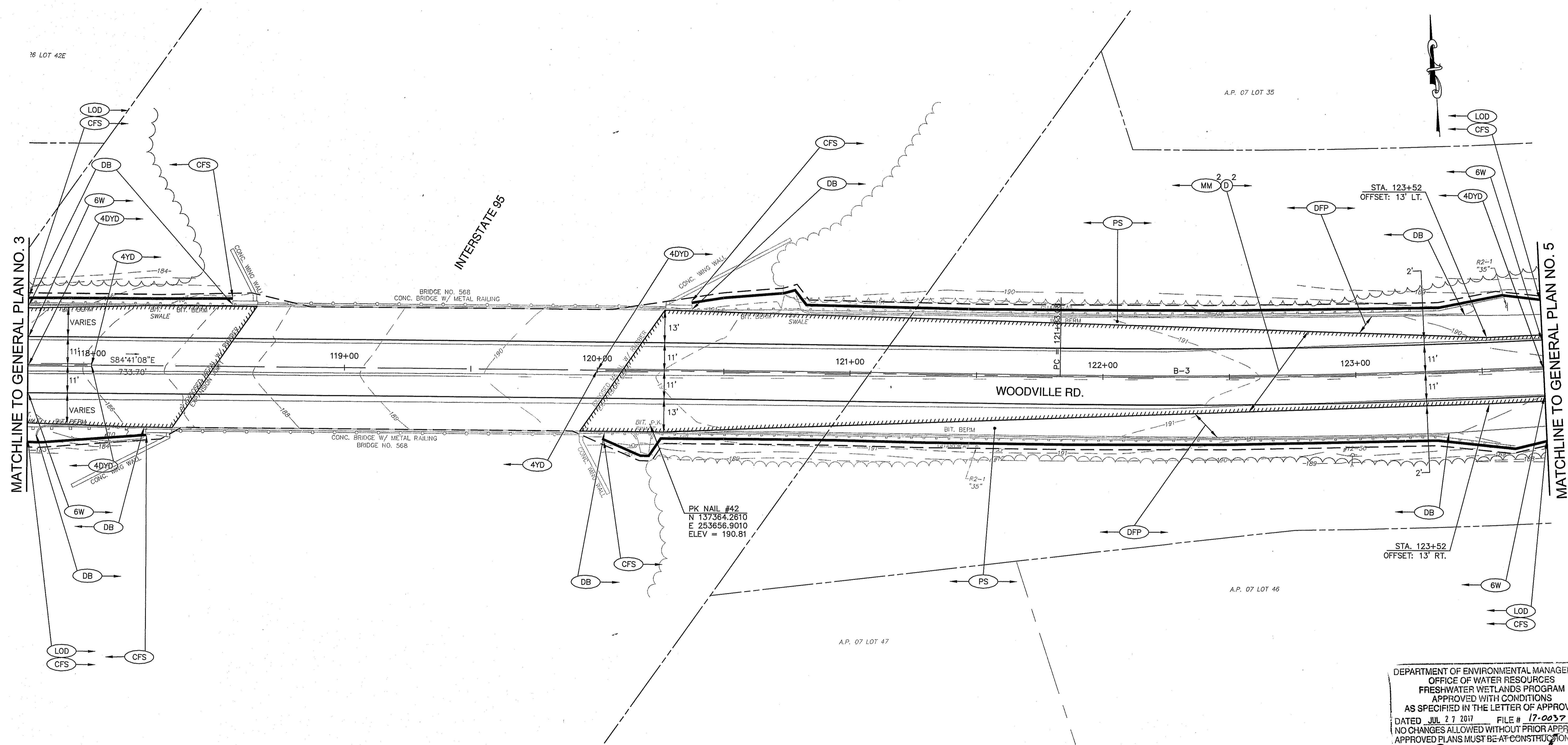
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 3

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940



NOTES:

- PROPOSED STRIPING WORK WILL CONTINUE ACROSS BRIDGE, NO PAVING OPERATIONS ARE PROPOSED TO CONTINUE BEYOND LIMITS OF BRIDGE SHOWN ABOVE.

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-3	3000.00	563.77	282.72	10°46'02"

CURVE	NORTHING	EASTING
PC	137370.2372	253820.1931
PI	137344.0518	254101.6989
PT	137370.9188	254383.1406

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Herbert

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

REVISIONS		
NO.	DATE	BY

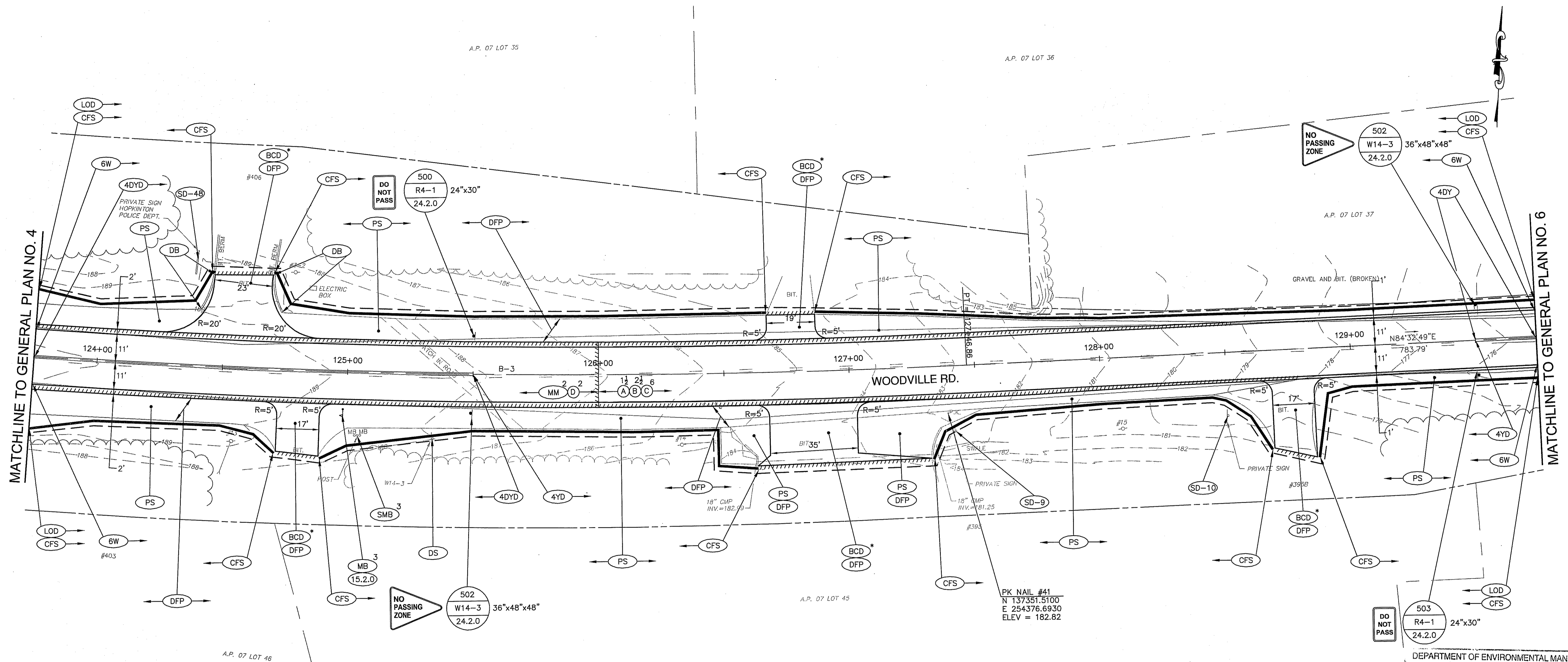
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 4

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-3	3000.00	563.77	282.72	10°46'02"

CURVE	NORTHING	EASTING
PC	137370.2372	253820.1931
PI	137344.0518	254101.6989
PT	137370.9188	254383.1406

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-2037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Harte

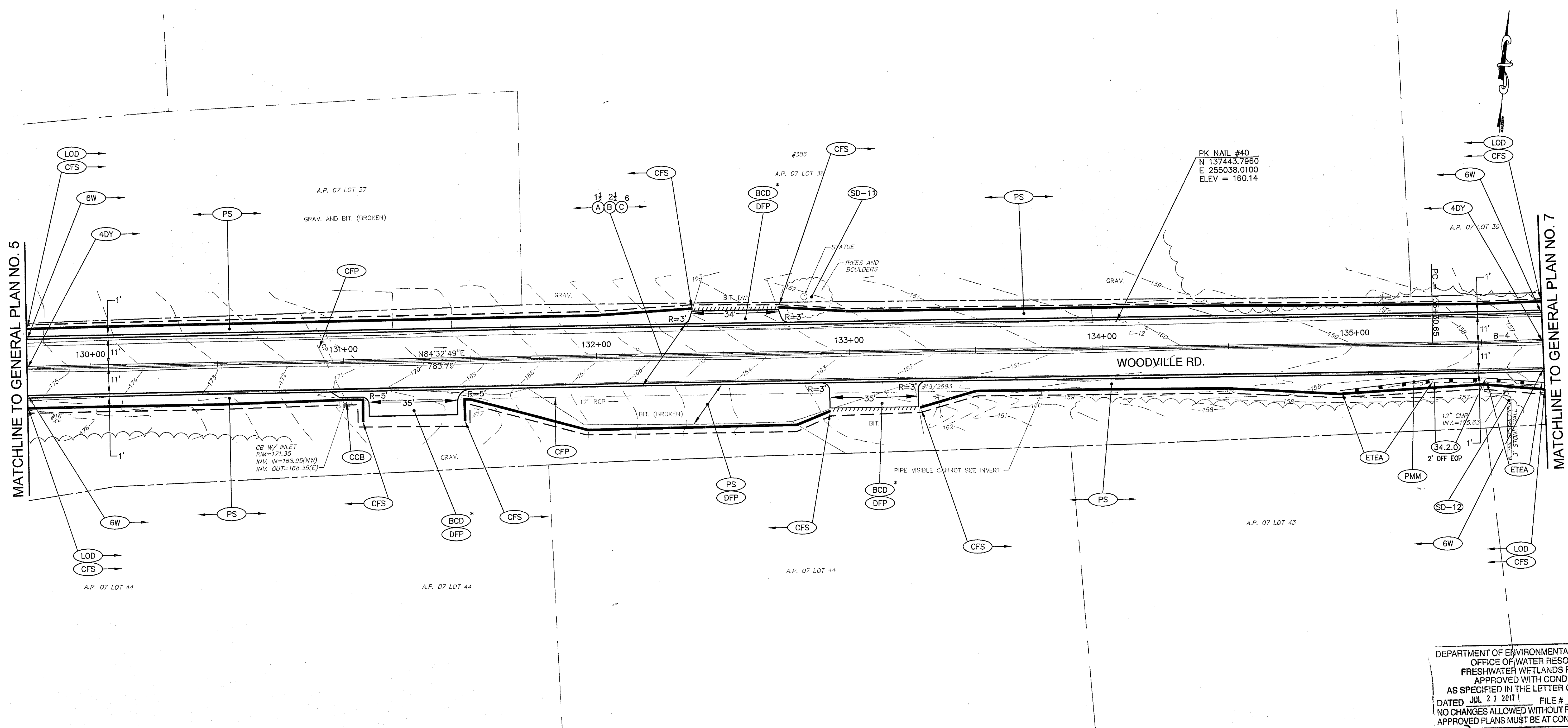
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

WOODVILLE ROAD IMPROVEMENTS
JUN 27 2017

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 5



MATCHLINE TO GENERAL PLAN NO. 5

MATCHLINE TO GENERAL PLAN NO. 7

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE #
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Habert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-4	2000.00	175.50	87.81	5°01'39"

CURVE	NORTHING	EASTING
B-4 PC	137445.4023	255163.3842
B-4 PI	137453.7464	255250.7913
B-4 PT	137469.7183	255337.1309

NO.	DATE	BY

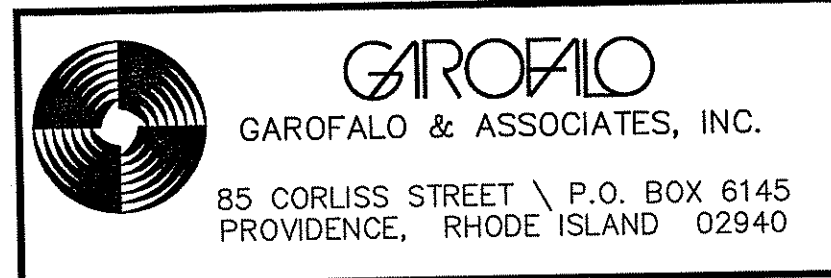
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 6

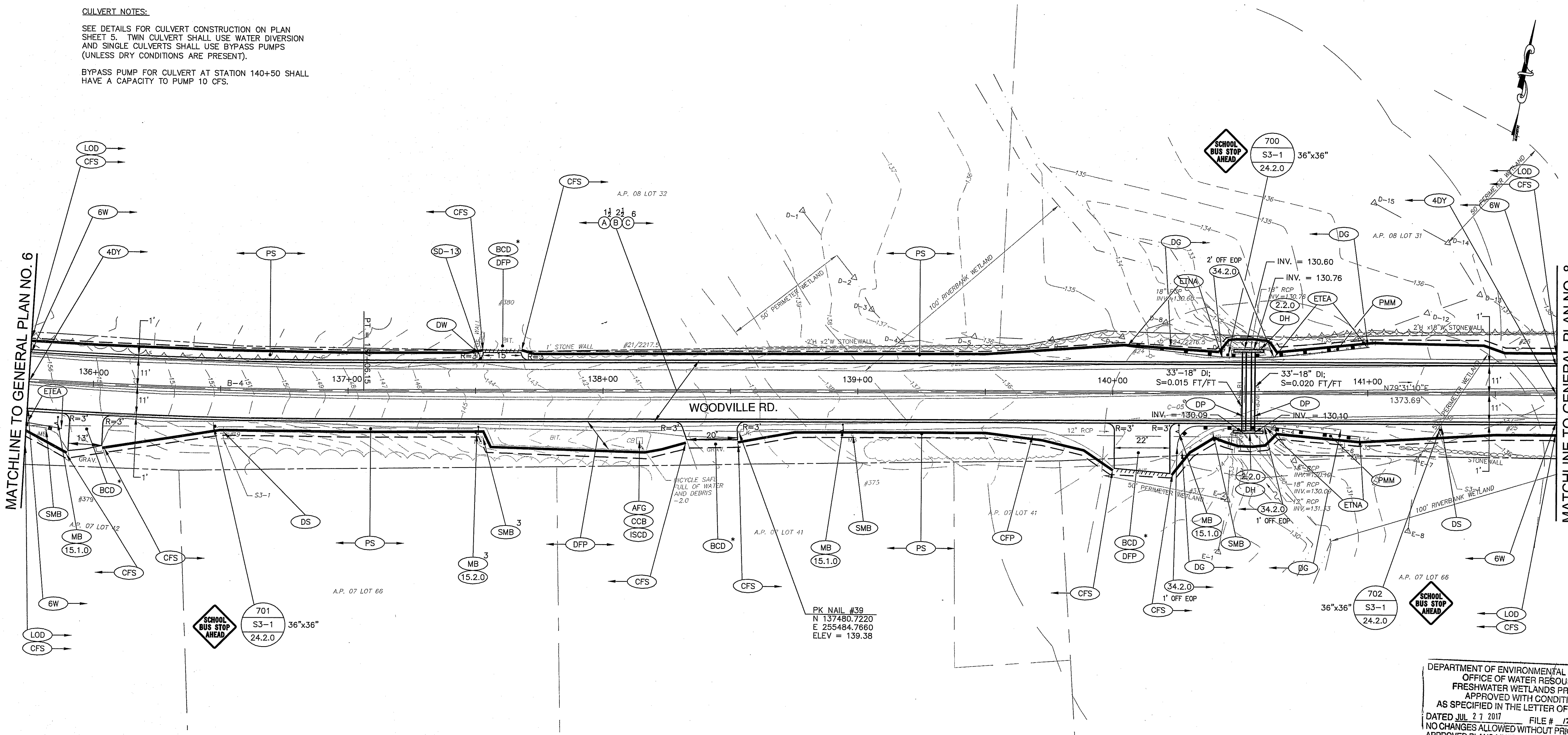
CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BY-PASS PUMP FOR CULVERT AT STATION 140+50 SHALL HAVE A CAPACITY TO PUMP 10 CFS.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Julius A. Harter

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-4	2000.00	175.50	87.81	5°01'39"

ALIGNMENT DATA		
CURVE	NORTHING	EASTING
B-4	PC 137445.4023	255163.3842
	PI 137453.7464	255250.7913
	PT 137469.7183	255337.1309

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 7

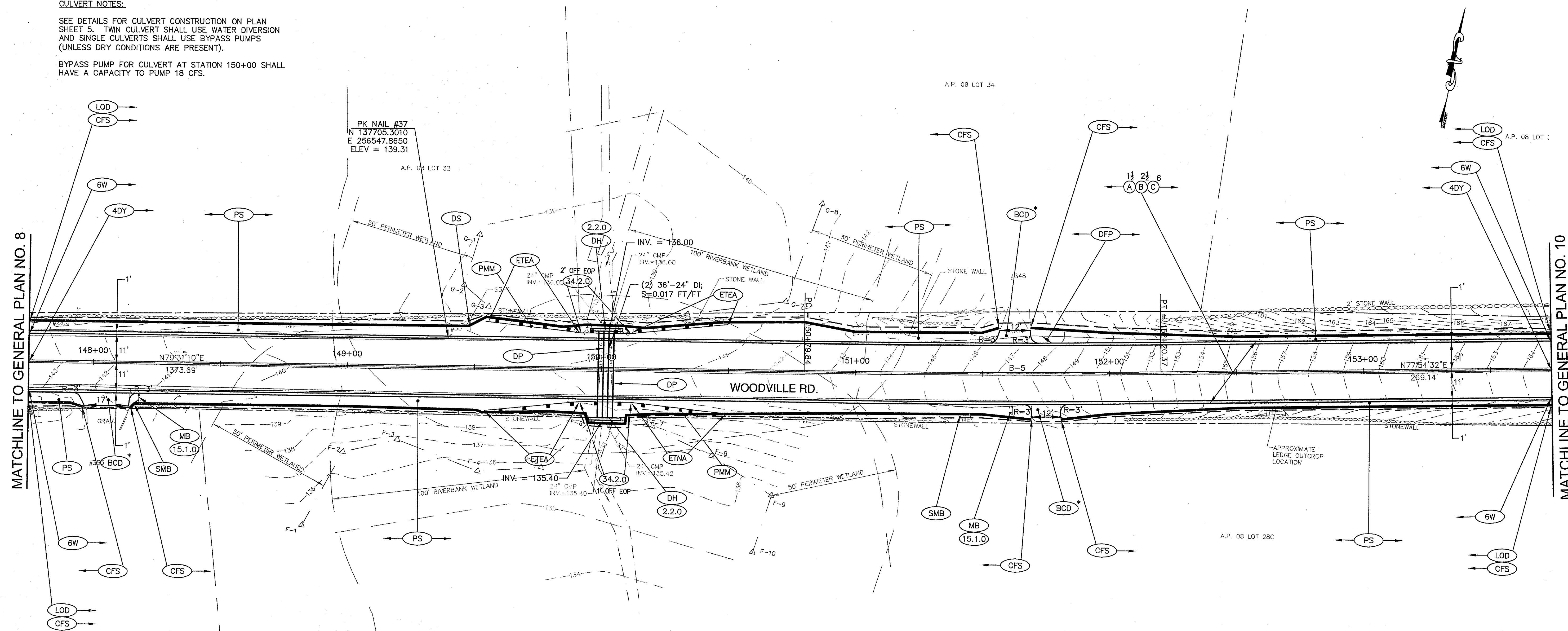
GIROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	15	79
RIDEM SUBMISSION				15	44

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERTS SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 150+00 SHALL HAVE A CAPACITY TO PUMP 18 CFS.



MATCHLINE TO GENERAL PLAN NO. 8

MATCHLINE TO GENERAL PLAN NO. 10

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Herbert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-5	5000.00	140.54	70.27	1°36'38"

CURVE	NORTHING	EASTING
B-5	137719.5963	256687.8997
PI	137732.3793	256757.0010
PT	137747.0993	256825.7159

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

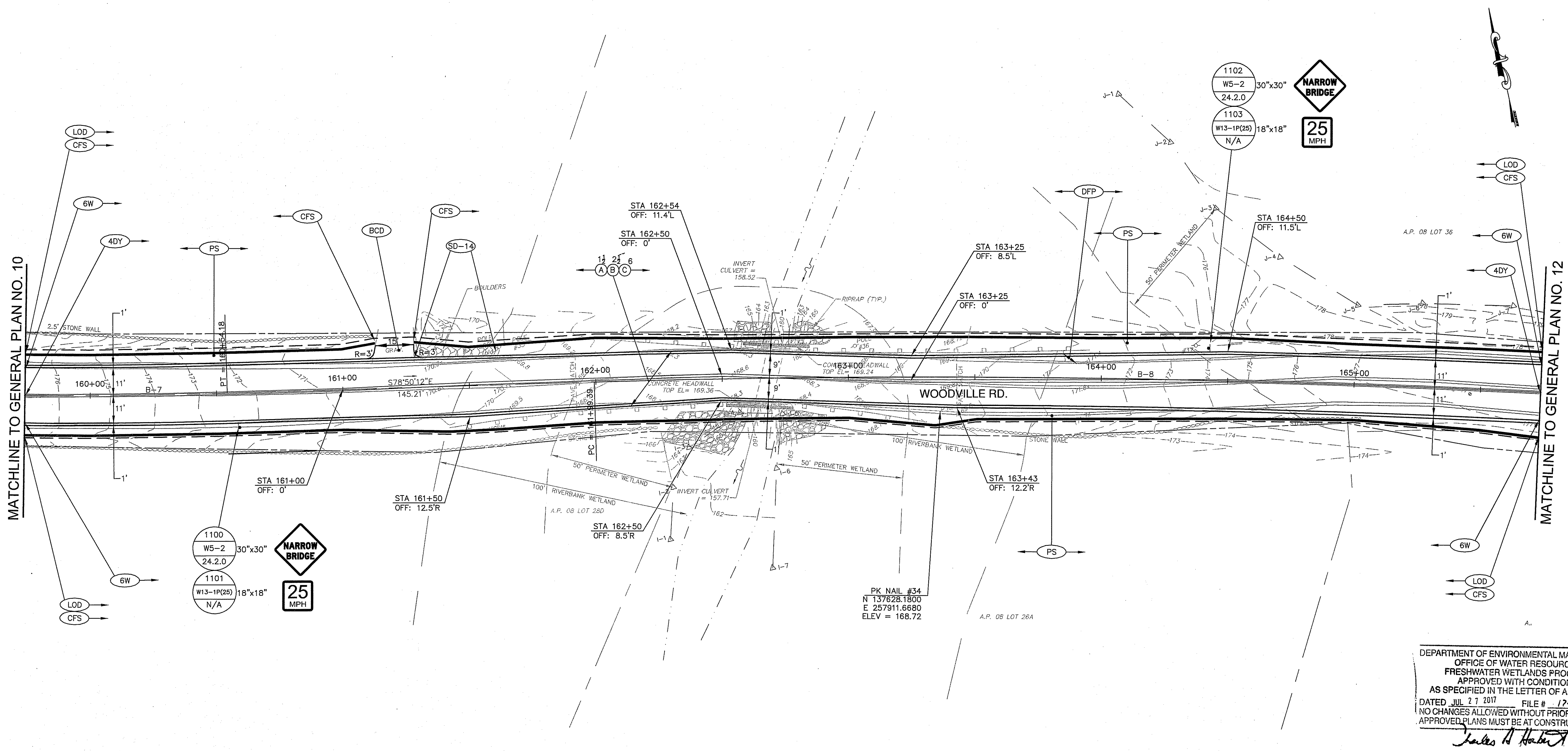
HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 9

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940



MATCHLINE TO GENERAL PLAN NO. 10

MATCHLINE TO GENERAL PLAN NO. 12

NOTE:
THE EXISTING GUARDRAIL OVER THE CULVERT AT STATION 162+75 WILL REMAIN. TRAVEL LANES ACROSS CULVERT ARE PROPOSED WITH 9' WIDTH BASED ON EXISTING CLEARANCE BETWEEN CULVERT HEADWALLS AND GUARDRAIL SECTIONS. ROADWAY EDGE OF PAVEMENT AND STRIPING WILL TAPER TO THIS CULVERT SECTION AS DEPICTED WITH THE STATIONS AND OFFSETS SHOWN IN THE PLAN ABOVE.

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-7	2000.00	182.29	91.21	5°13'20"
B-8	5000.00	442.30	221.30	5°04'06"

CURVE	CURVE	NORTHING		EASTING	
		PC	PT	PC	PT
B-7	PC	137741.2658	257461.2575		
	PI	137715.5357	257548.7624		
	PT	137697.8771	257638.2460		
B-8	PC	137669.7633	257780.7103		
	PI	137626.9194	257997.8183		
	PT	137565.0626	258210.2923		

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Hubert

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

WOODVILLE ROAD IMPROVEMENTS
HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 11

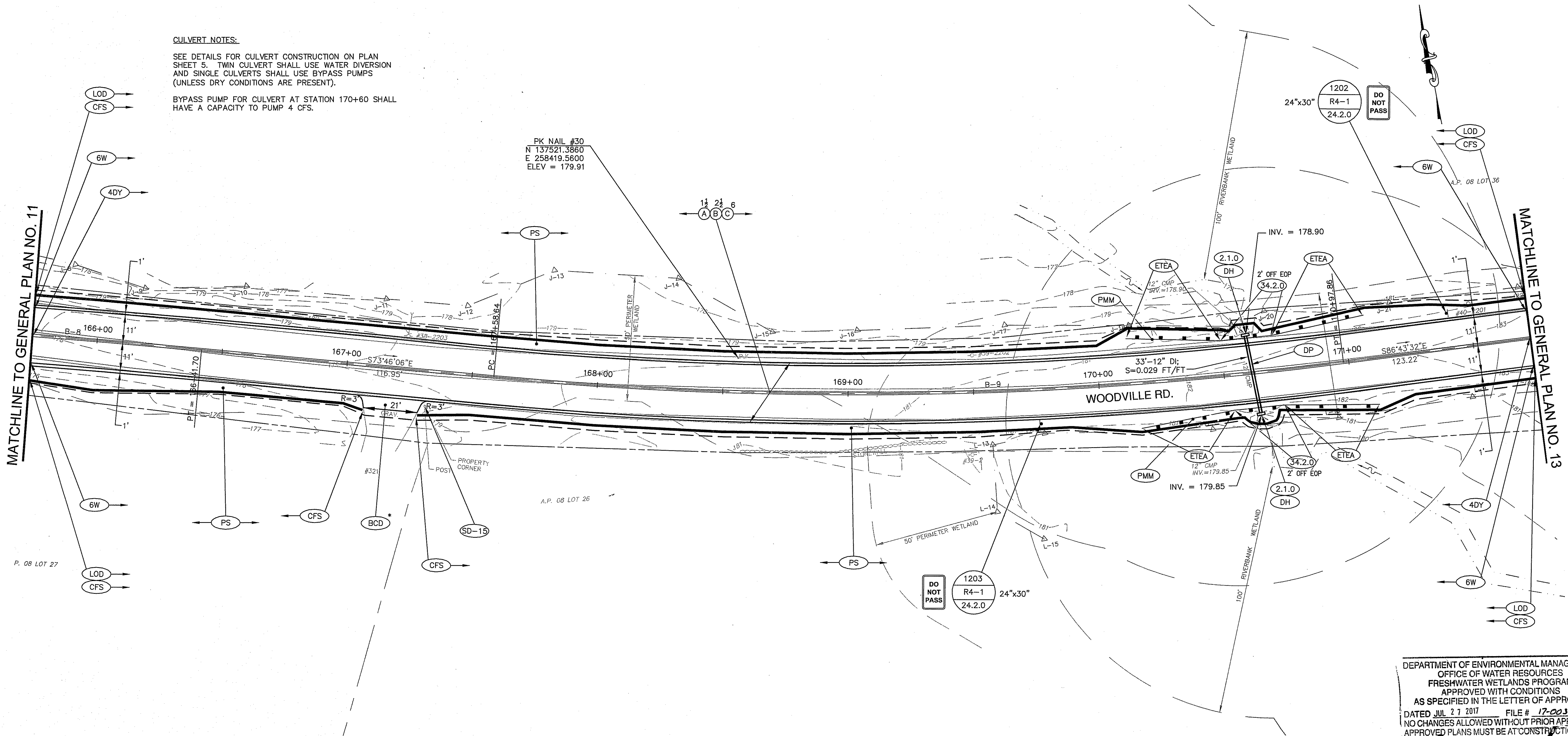
CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(xxx)	2018	18	79	
RIDEM SUBMISSION					18	44

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 170+60 SHALL HAVE A CAPACITY TO PUMP 4 CFS.



CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-8	5000.00	442.30	221.30	5°04'06"
B-9	1500.00	339.22	170.34	12°57'26"

CURVE		NORTHING	EASTING
B-8	PC	137669.7633	257780.7103
	PI	137626.9194	257997.8183
	PT	137565.0626	258210.2923
B-9	PC	137532.3733	258322.5781
	PI	137484.7605	258486.1250
	PT	137475.0311	258656.1835

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Haber

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

NO.	DATE	BY

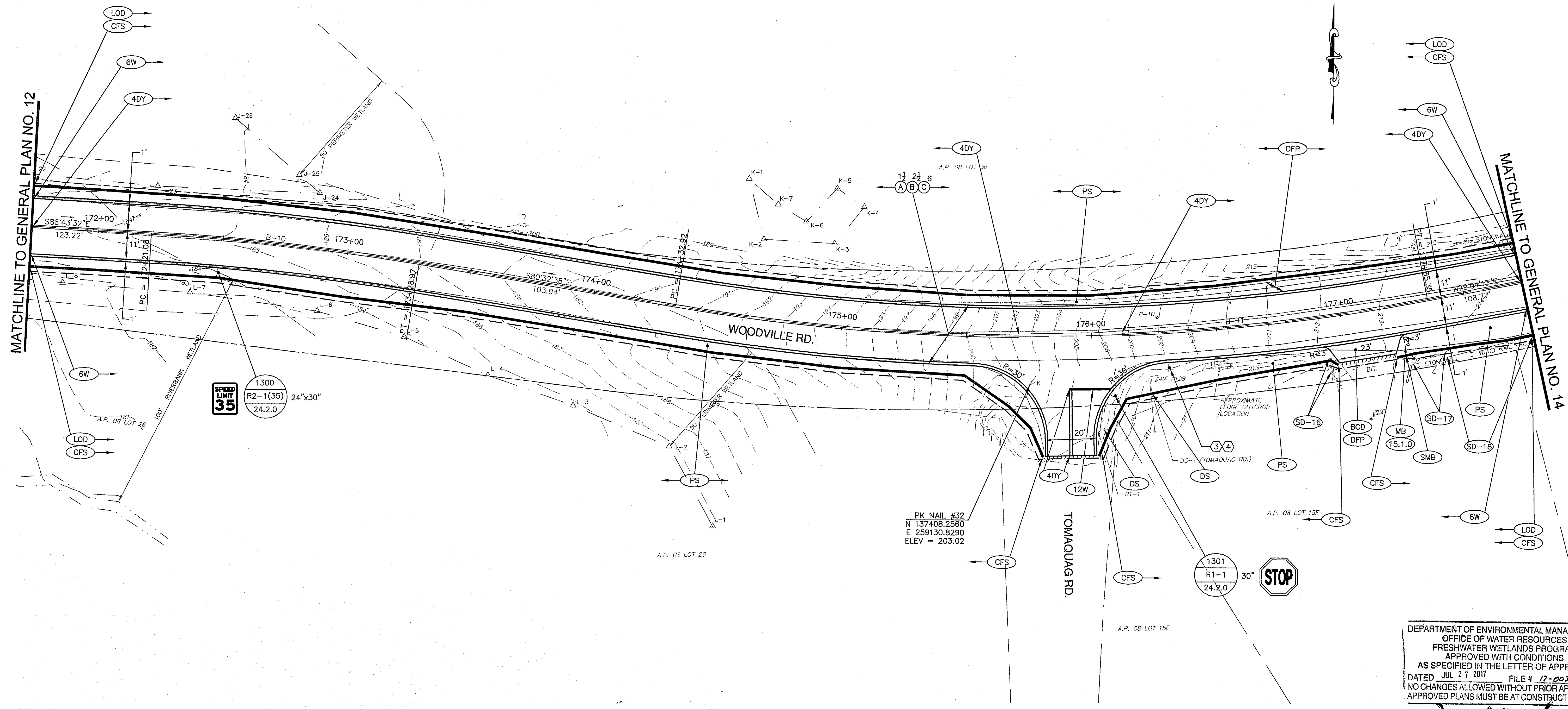
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 12

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0077
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Haber

CURVE		NORTHING	EASTING
B-10	PC	137467.9930	258779.2034
	PI	137464.9088	258833.1125
	PT	137456.0375	258886.3762
B-11	PC	137438.9604	258988.9078
	PI	137413.8519	259139.6607
	PT	137442.8289	259289.7181

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-10	1000.00	107.89	54.00	6°10'54"
B-11	850.00	302.43	152.83	20°23'09"

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
3	Woodville Rd		6" INITIAL UPPER CASE
4	Tomaquag Rd	24.6.1	4.5" LOWER CASE

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

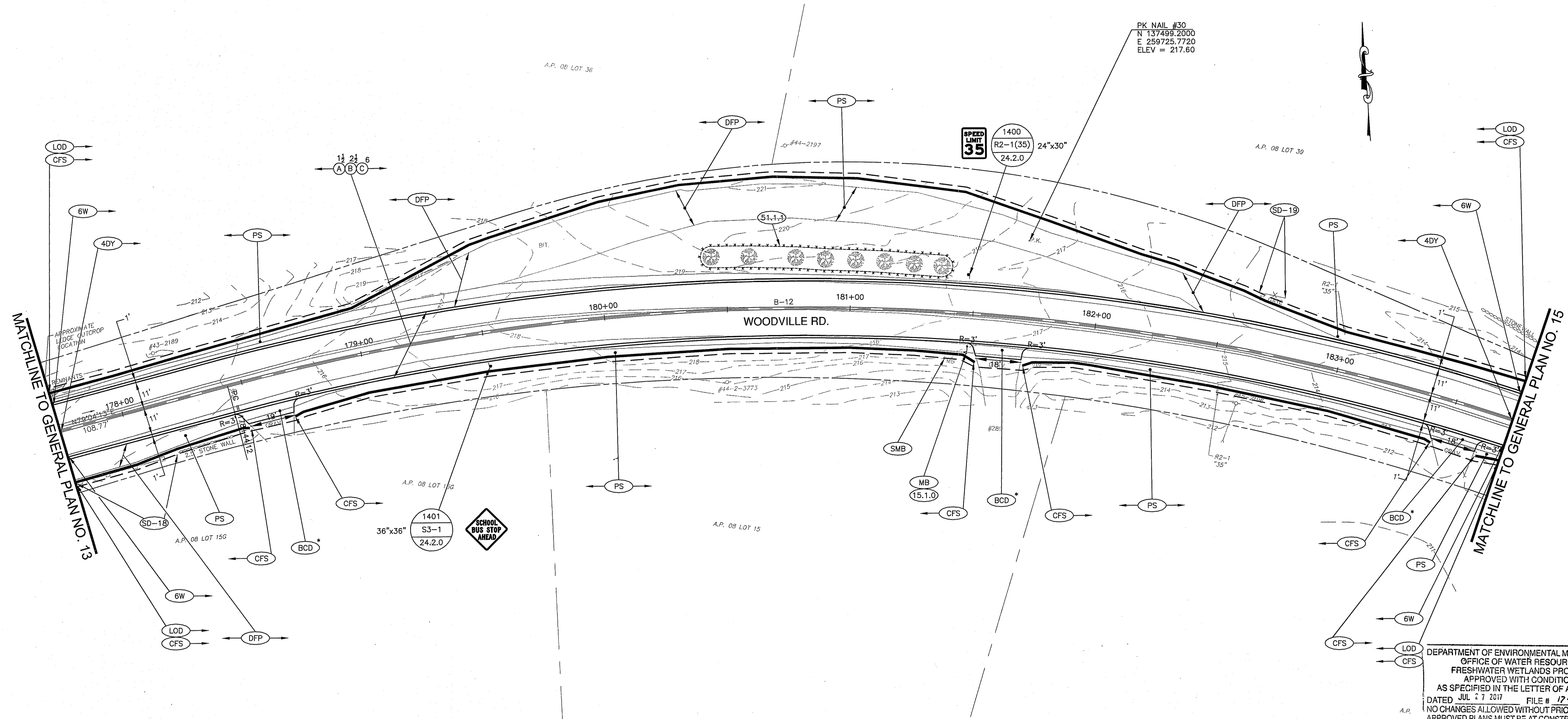
HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 13

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	20	79
RIDEM SUBMISSION				20	44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Herbert

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-12	925.00	635.52	330.88	39°21'55"

ALIGNMENT DATA			
CURVE		NORTHING	EASTING
B-12	PC	137463.4528	259396.5187
	PI	137526.1889	259721.3973
	PT	137368.6338	260012.3583

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

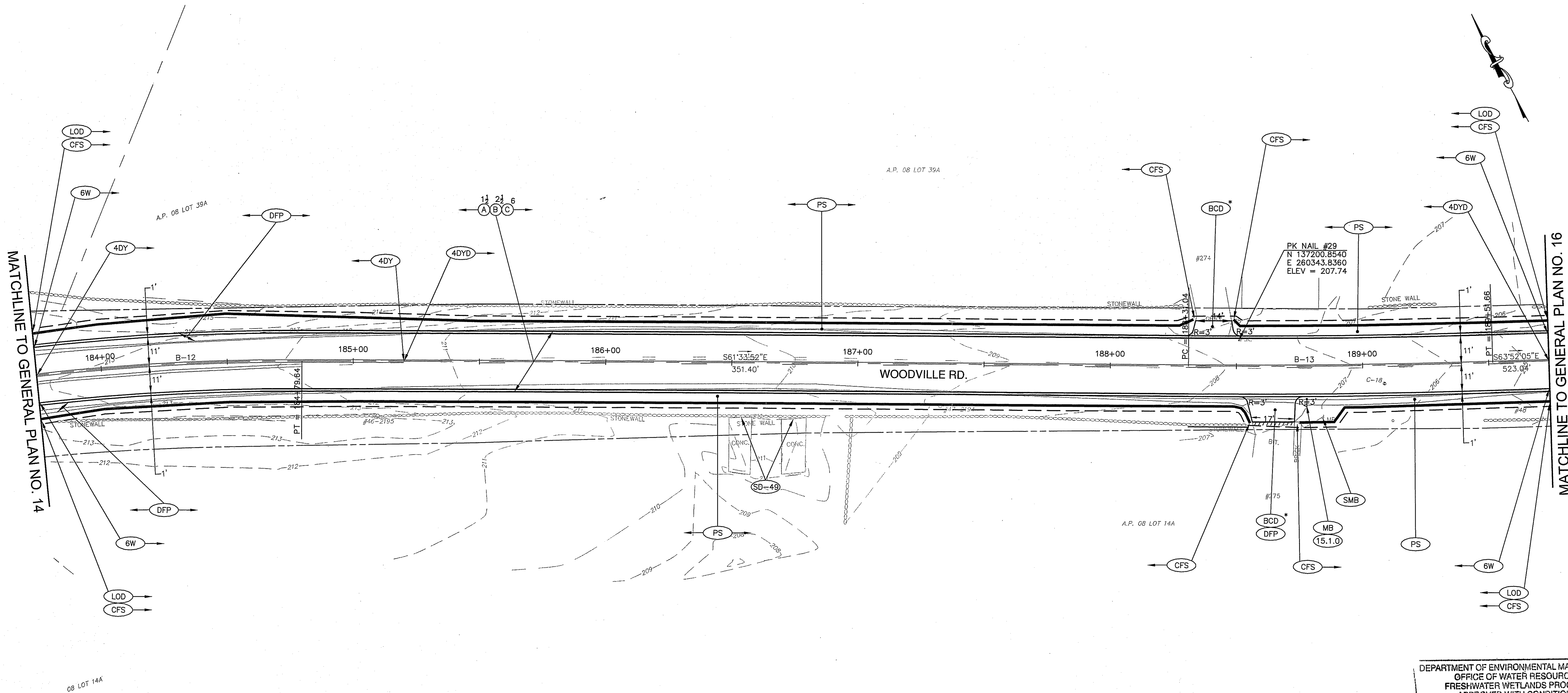
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 14

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0877
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Herbert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-12	925.00	635.52	330.88	39°21'55"
B-13	3000.00	120.61	60.31	2°18'13"

CURVE		NORTHING	EASTING
B-12	PC	137463.4528	259396.5187
	PI	137526.1889	259721.3973
	PT	137368.6338	260012.3583
B-13	PC	137201.3071	260321.3649
	PI	137172.5875	260374.4021
	PT	137146.0228	260428.5508

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

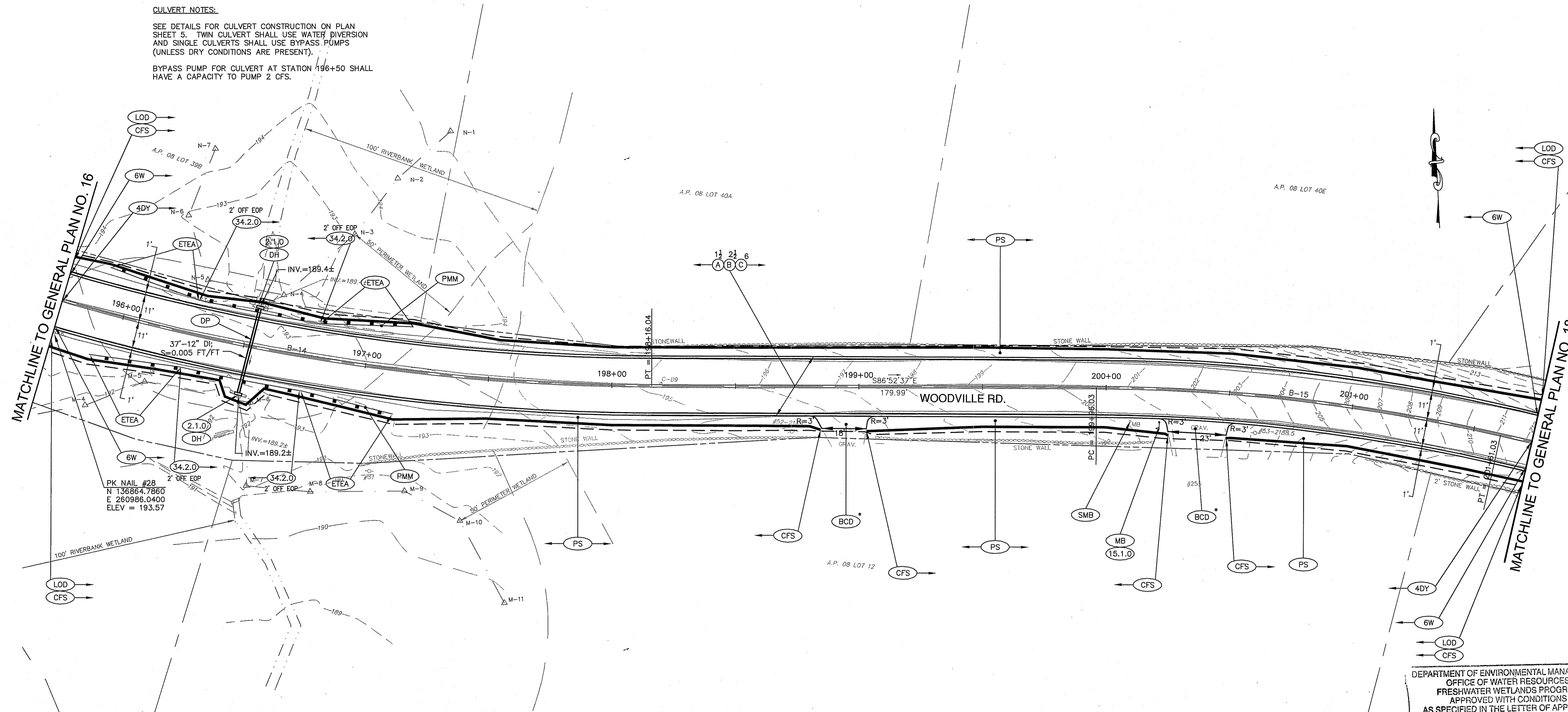
GENERAL PLAN NO. 15

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

CULVERT NOTES:
 SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).
 BYPASS PUMP FOR CULVERT AT STATION 196+50 SHALL HAVE A CAPACITY TO PUMP 2 CFS.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-14	850.00	341.35	173.00	23°00'32"
B-15	750.00	164.99	82.83	12°36'17"

CURVE		NORTHING	EASTING
B-14	PC	136915.6531	260898.1302
	PI	136839.4552	261053.4499
	PT	136830.0301	261226.1968
B-15	PC	136820.2242	261405.9202
	PI	136815.7116	261488.6289
	PT	136793.2588	261568.3595

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 WOODVILLE ROAD
 IMPROVEMENTS
 HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 17

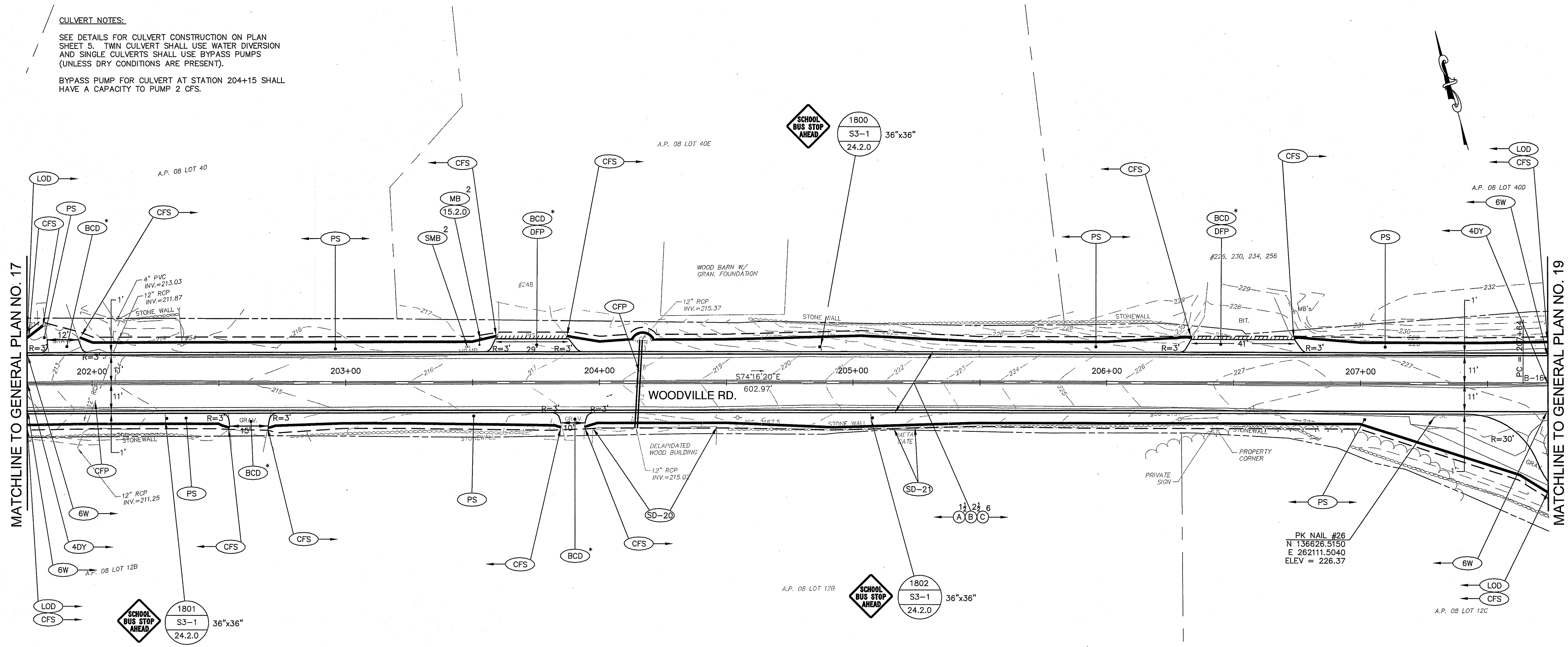
CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	24	79
RIDEM SUBMISSION					44

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 204+15 SHALL HAVE A CAPACITY TO PUMP 2 CFS.



MATCHLINE TO GENERAL PLAN NO. 17

MATCHLINE TO GENERAL PLAN NO. 19

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-16	675.00	394.24	202.92	33°27'51"

CURVE	NORTHING	EASTING
B-16 PC	136629.8135	262148.7281
B-16 PI	136574.8086	262344.0821
B-16 PT	136636.6262	262537.3581

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVER'S NAME MUST BE AT CONSTRUCTION SITE

Charles A. Harbert

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

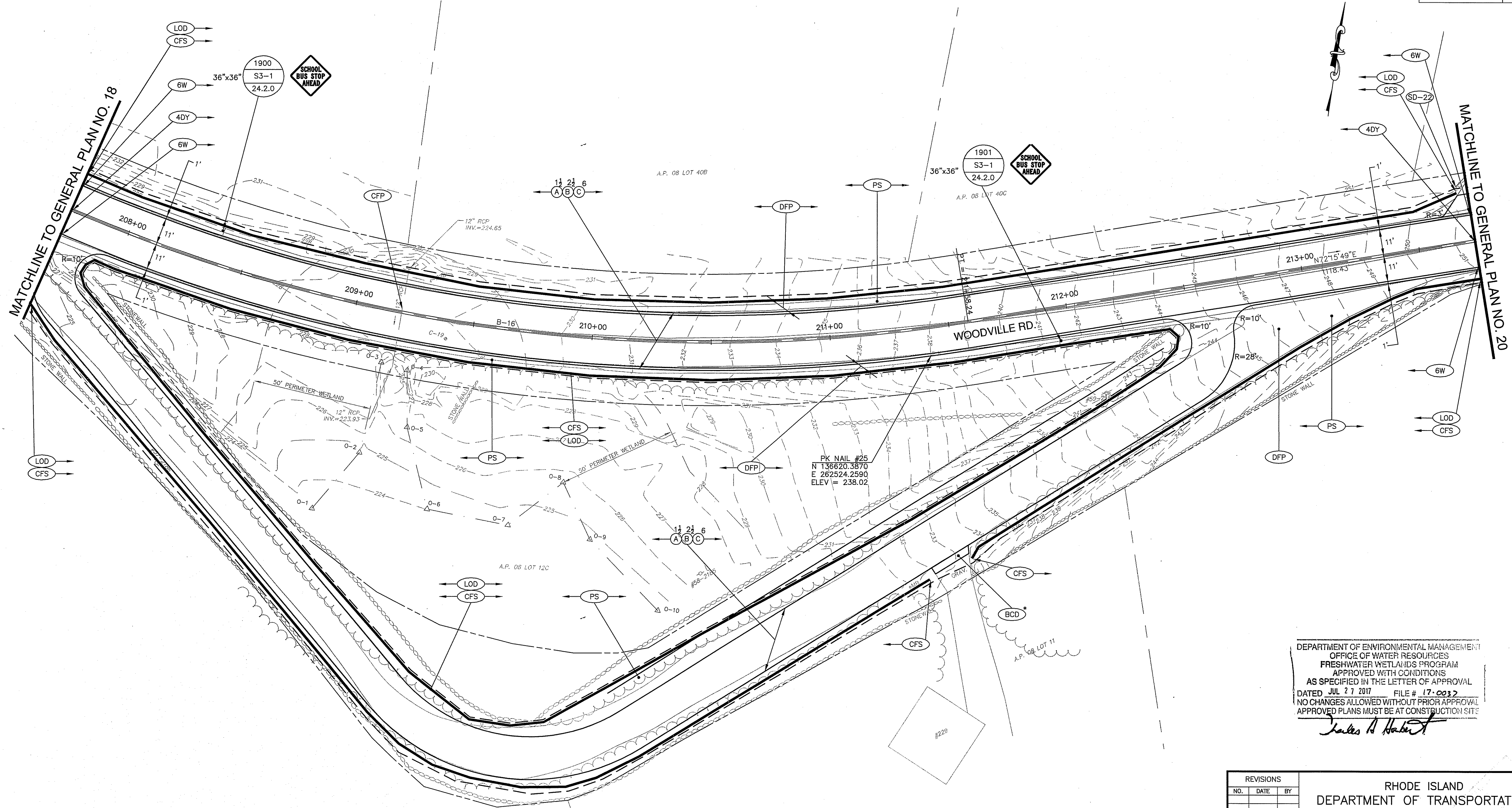
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 18

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(xxx)	2018	25	79	
RIDEM SUBMISSION					25	44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Haber

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-16	675.00	394.24	202.92	33°27'51"

CURVE	NORTHING	EASTING
B-16 PC	136629.8135	262148.7281
B-16 PI	136574.8086	262344.0821
B-16 PT	136636.6262	262537.3581



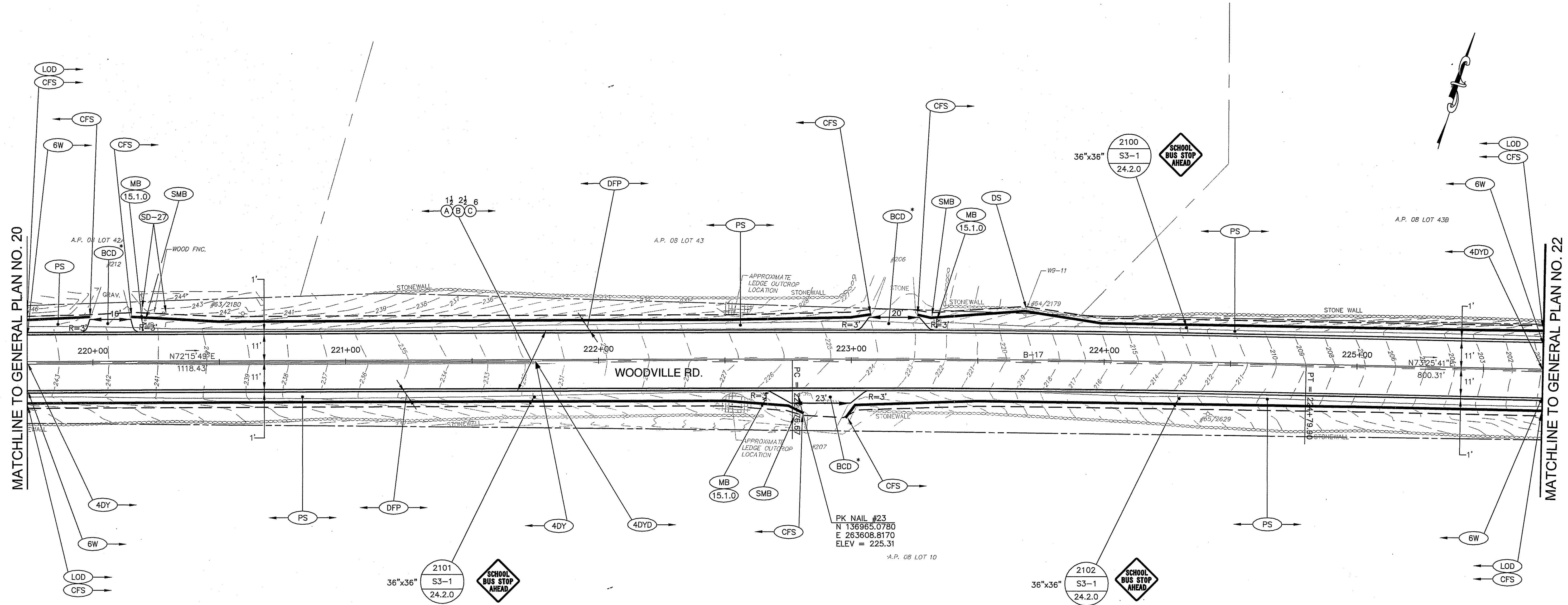
GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 WOODVILLE ROAD
 IMPROVEMENTS
 HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 19
 CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	27	79
RIDEM SUBMISSION					44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 21 2017 FILE # 17-0097
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Haber

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-17	10000.00	203.23	101.62	1°09'52"

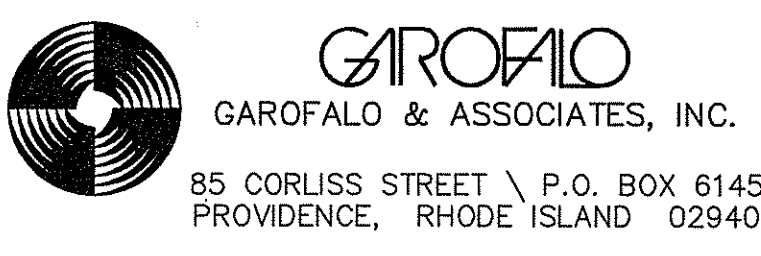
ALIGNMENT DATA		
CURVE	NORTHING	EASTING
B-17	136977.3434	263602.6291
	137008.2996	263699.4153
	137037.2826	263796.8105

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND



GENERAL PLAN NO. 21

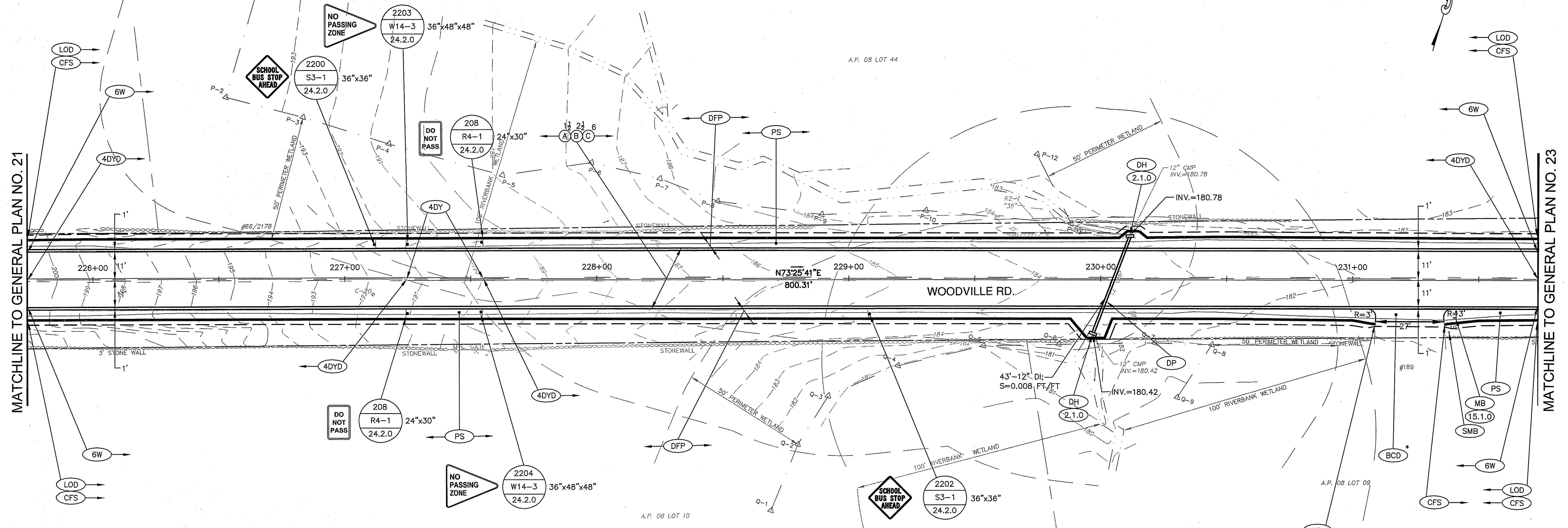
CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	28	79
				RIDEM SUBMISSION	28
					44

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 230+00 SHALL HAVE A CAPACITY TO PUMP 2 CFS.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Haber

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

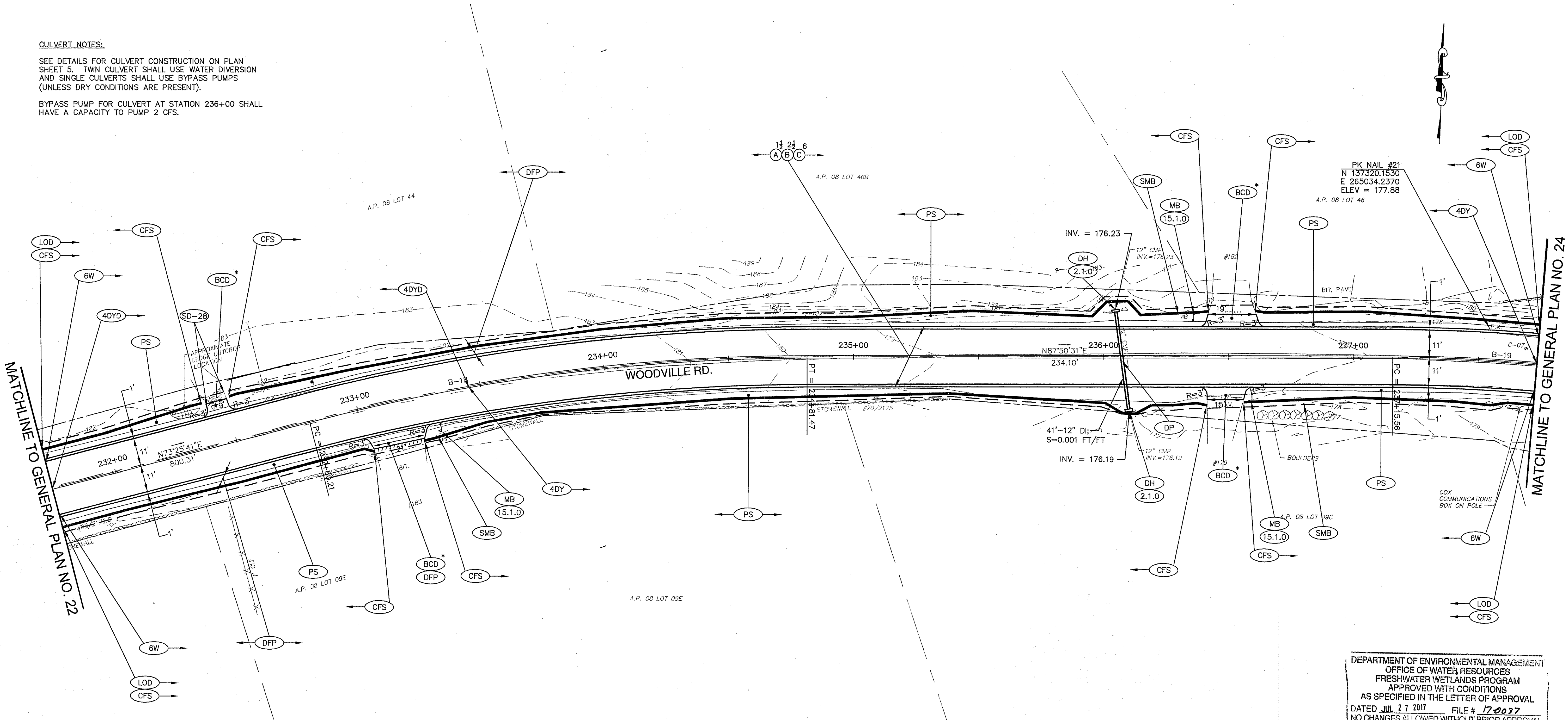
GENERAL PLAN NO. 22

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	29	79
				RIDEM SUBMISSION	44

CULVERT NOTES:
 SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 236+00 SHALL HAVE A CAPACITY TO PUMP 2 CFS.



MATCHLINE TO GENERAL PLAN NO. 22

MATCHLINE TO GENERAL PLAN NO. 24

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Habert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-18	800.00	201.26	101.16	14°24'50"
B-19	700.00	357.58	182.78	29°16'05"

CURVE	NORTHING	EASTING
B-18	PC 137265.5469	264563.8767
	PI 137294.4004	264660.8367
	PT 137298.2099	264761.9270
B-19	PC 137307.0253	264995.8577
	PI 137313.9083	265178.5090
	PT 137230.6149	265341.2083

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

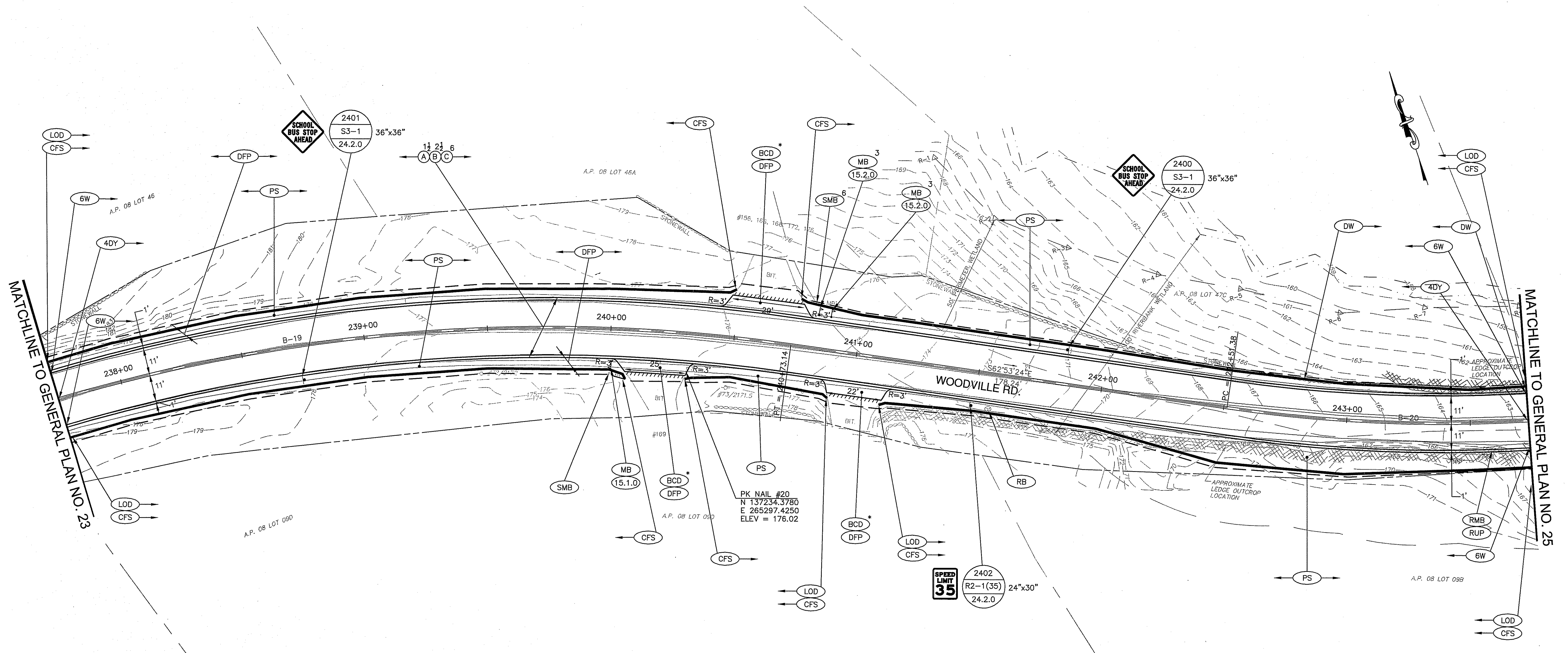
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 23

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(xxx)	2018	30	79	
RIDEM SUBMISSION					30	44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 21 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Harker

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-19	700.00	357.58	182.78	29°16'05"
B-20	600.00	169.73	85.44	16°12'30"

CURVE	NORTHING		EASTING	
	PC	PT	PC	PT
B-19	137307.0253	137313.9083	264995.8577	265178.5090
		137230.6149		265341.2083
B-20	137149.3894	137110.4557	265499.8683	265575.9186
		137094.2974		265659.8138

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 24

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

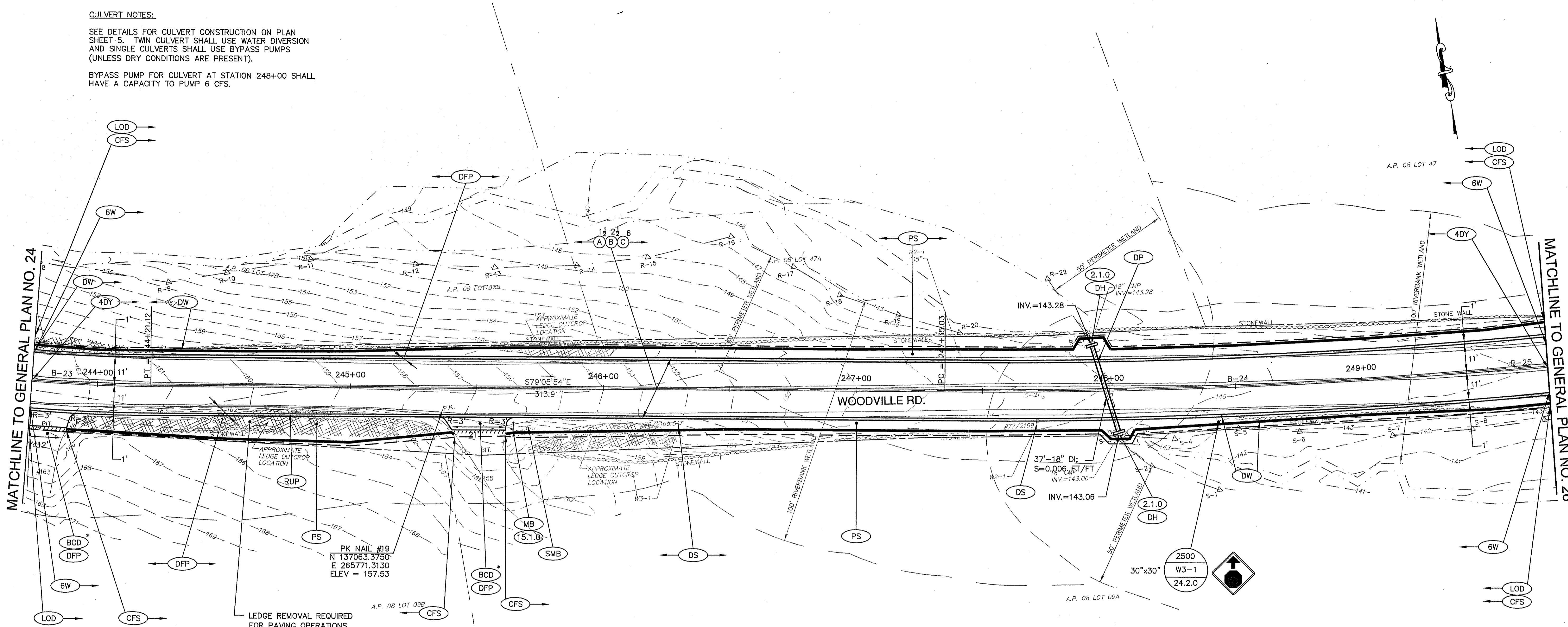
GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 248+00 SHALL HAVE A CAPACITY TO PUMP 6 CFS.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
James A. Hackett

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-20	600.00	169.73	85.44	16°12'30"
B-21	2250.00	425.65	213.46	10°50'21"

CURVE	NORTHING	EASTING	
B-20	PC	137149.3894	265499.8683
	PI	137110.4557	265575.9186
	PT	137094.2974	265659.8138
B-21	PC	137034.9289	266183.3357
	PI	136994.2974	266177.6702
	PT	136994.3246	266391.1321

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

NO.	DATE	BY

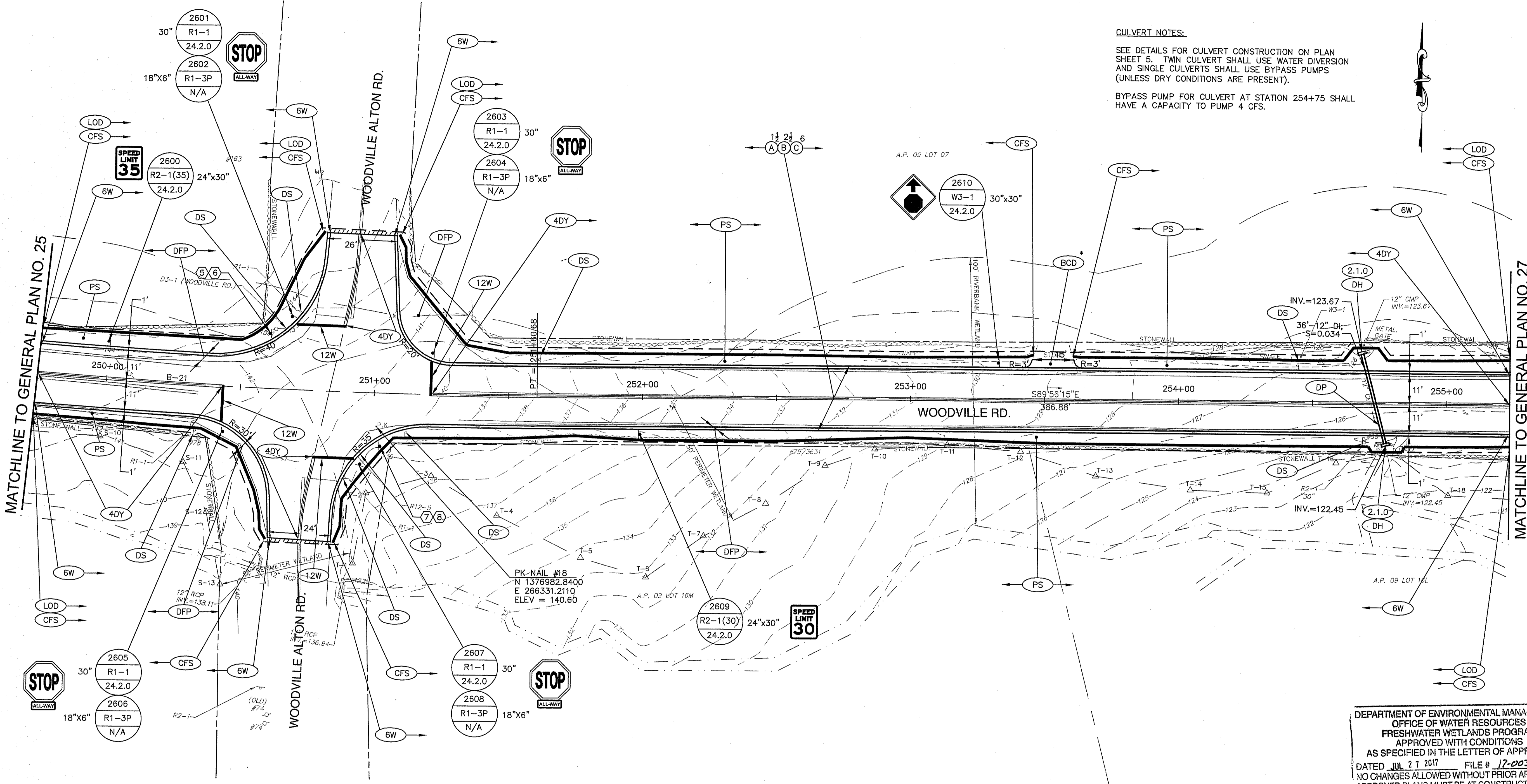
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 25

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



CULVERT NOTES:
 SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).
 BYPASS PUMP FOR CULVERT AT STATION 254+75 SHALL HAVE A CAPACITY TO PUMP 4 CFS.

MATCHLINE TO GENERAL PLAN NO. 25

MATCHLINE TO GENERAL PLAN NO. 27

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Haber

CURVE	PC	NORTHING	EASTING
B-21	PC	137034.9289	266183.3357
	PI	136994.2974	266177.6702
	PT	136994.3246	266391.1321

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-21	2250.00	425.65	213.46	10°50'21"

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
5	Woodville Rd		6" INITIAL UPPER CASE 4.5" LOWER CASE
6	Woodville Alton Rd	24.6.1	6" INITIAL UPPER CASE 4.5" LOWER CASE
7	Woodville Rd		6" INITIAL UPPER CASE 4.5" LOWER CASE
8	Woodville Alton Rd	24.6.1	6" INITIAL UPPER CASE 4.5" LOWER CASE

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

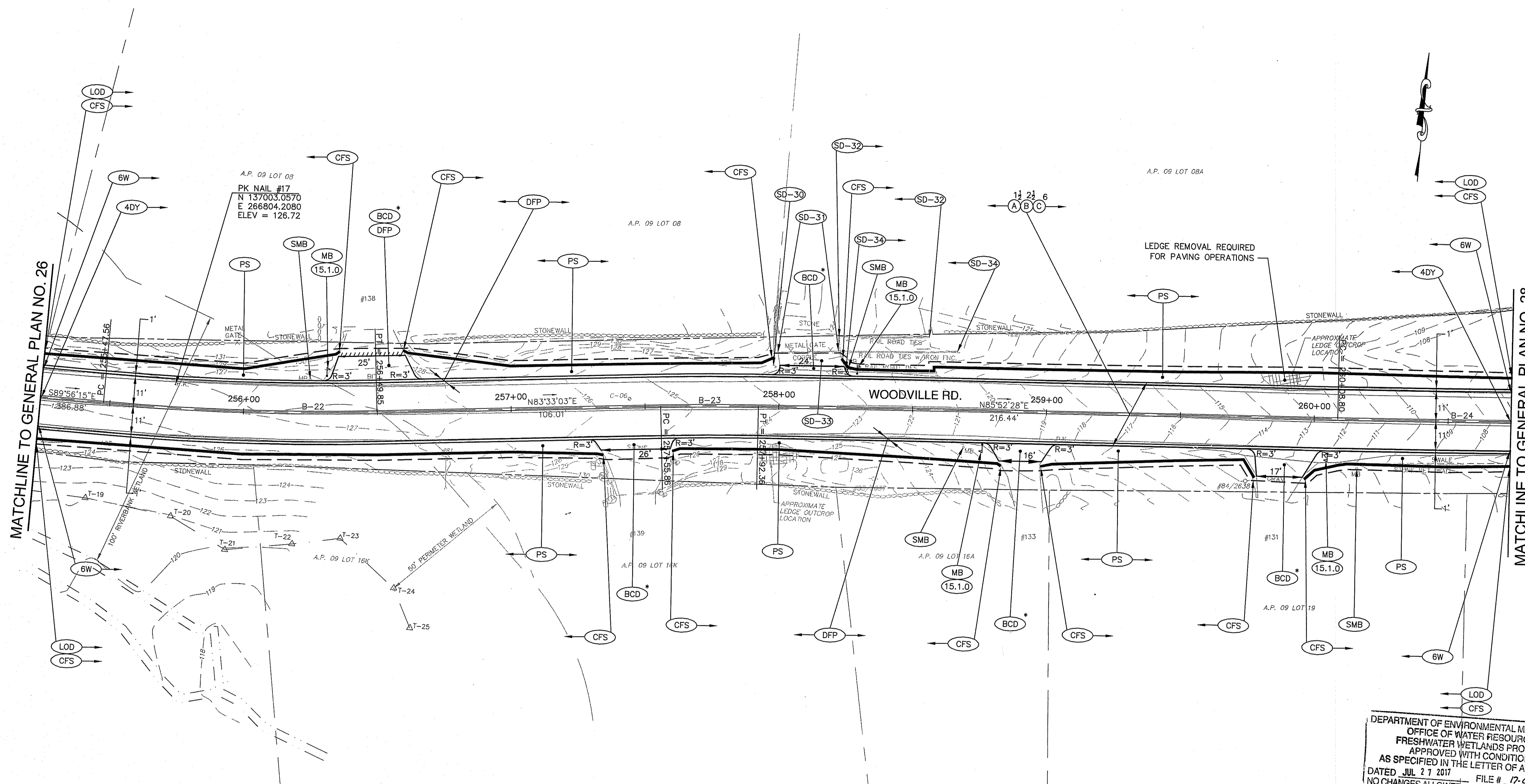
**WOODVILLE ROAD
 IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 26

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-2037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Harkin

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-22	900.00	102.29	51.20	6°30'43"
B-23	900.00	36.50	18.25	2°19'25"
B-24	5000.00	110.76	55.38	1°16'09"

CURVE	NORTHING		EASTING	
	PC	PT	PC	PT
B-22	136993.9017	136993.8457	266769.3871	266829.2146
	136999.5966	137011.5041	266880.0899	266985.4308
	137013.5543	137014.8675	267003.5679	267021.7732
B-23	137030.4389	137034.4233	267237.6555	267292.8949
	137039.6303	137039.6303	267348.0325	267348.0325

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

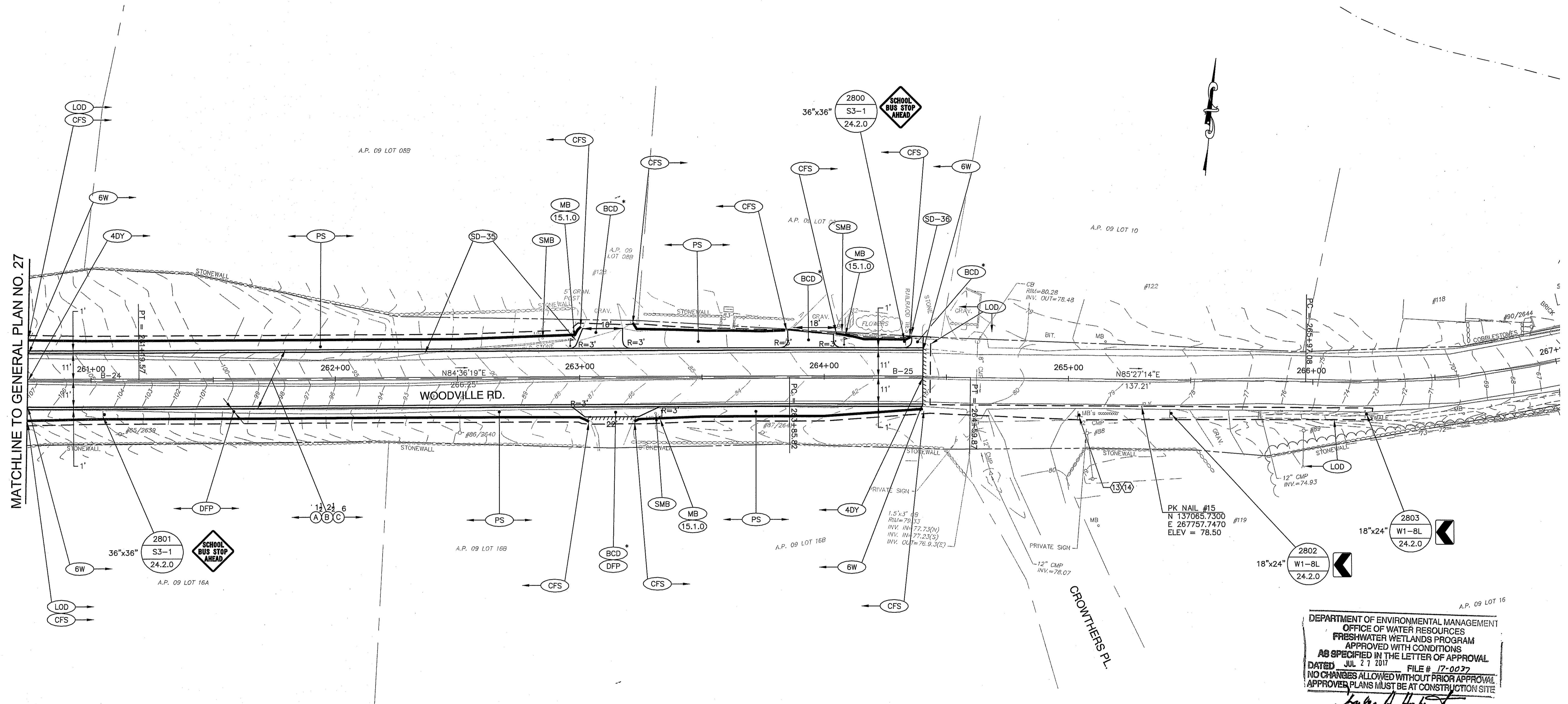
HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 27

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GROFALO
 GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0027
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Haber

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-24	5000.00	110.76	55.38	1°16'09"
B-25	5000.00	74.05	37.03	0°50'55"

CURVE	PC	NORTHING	EASTING
B-24	PC	137030.4389	267237.6555
	PI	137034.4233	267292.8949
	PT	137039.6303	267348.0325
B-25	PC	137064.6630	267613.1069
	PI	137068.1441	267649.9689
	PT	137071.0789	267686.8784
264+40.42	-	137069.4994	267667.4908

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
13	Woodville Rd	24.6.1	6" INITIAL UPPER CASE
14	Crowthers Pl		4.5" LOWER CASE

NOTE:
 NO PROPOSED ROADWORK BETWEEN STATION 264+40 AND STATION 272+50 DUE TO PRIOR WOODVILLE ROAD BRIDGE REPLACEMENT PROJECT.

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
 IMPROVEMENTS**

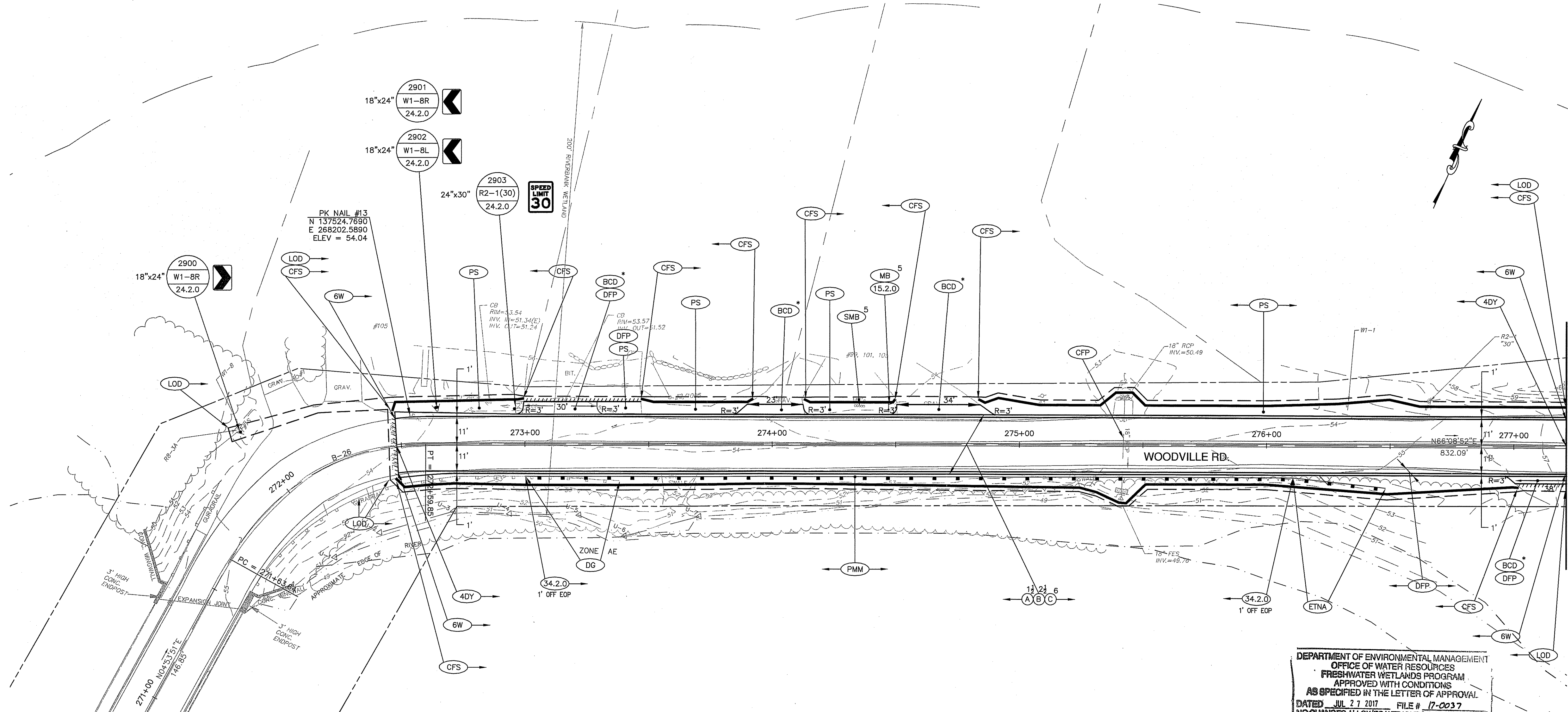
HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 28

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.	
1	R.I.	xxx-xxxx(xxx)	2018	35	79	
RIDEM SUBMISSION					35	44



CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-26	90.00	96.21	53.28	61°15'02"

CURVE	NORTHING	EASTING
PC	137442.5079	268159.6722
PI	137495.5928	268164.2208
PT	137517.1377	268212.9497

NOTE:
NO PROPOSED ROADWORK BETWEEN STATION 264+40 AND STATION 272+50 DUE TO PRIOR WOODVILLE ROAD BRIDGE REPLACEMENT PROJECT.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James A. Harbert

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

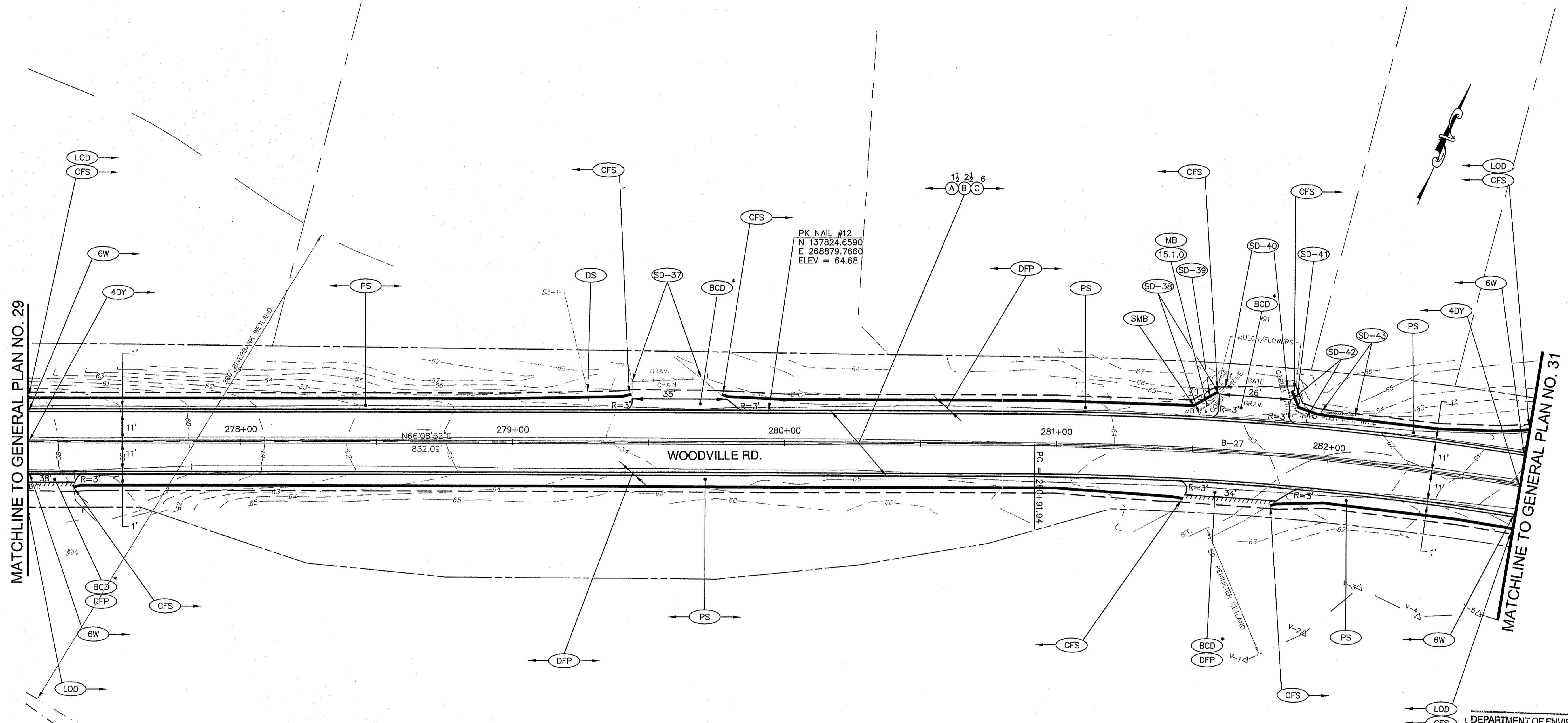
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 29

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	36	79
RIDEM SUBMISSION				36	44



MATCHLINE TO GENERAL PLAN NO. 29

MATCHLINE TO GENERAL PLAN NO. 31

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: JUL 22 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
James A. Harbert

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-27	1150.00	610.94	312.86	30°26'18"

ALIGNMENT DATA			
CURVE	NORTHING	EASTING	
B-27	PC	137853.6159	268973.9721
	PI	137980.1299	269260.1125
	PT	137944.2453	269570.9089

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

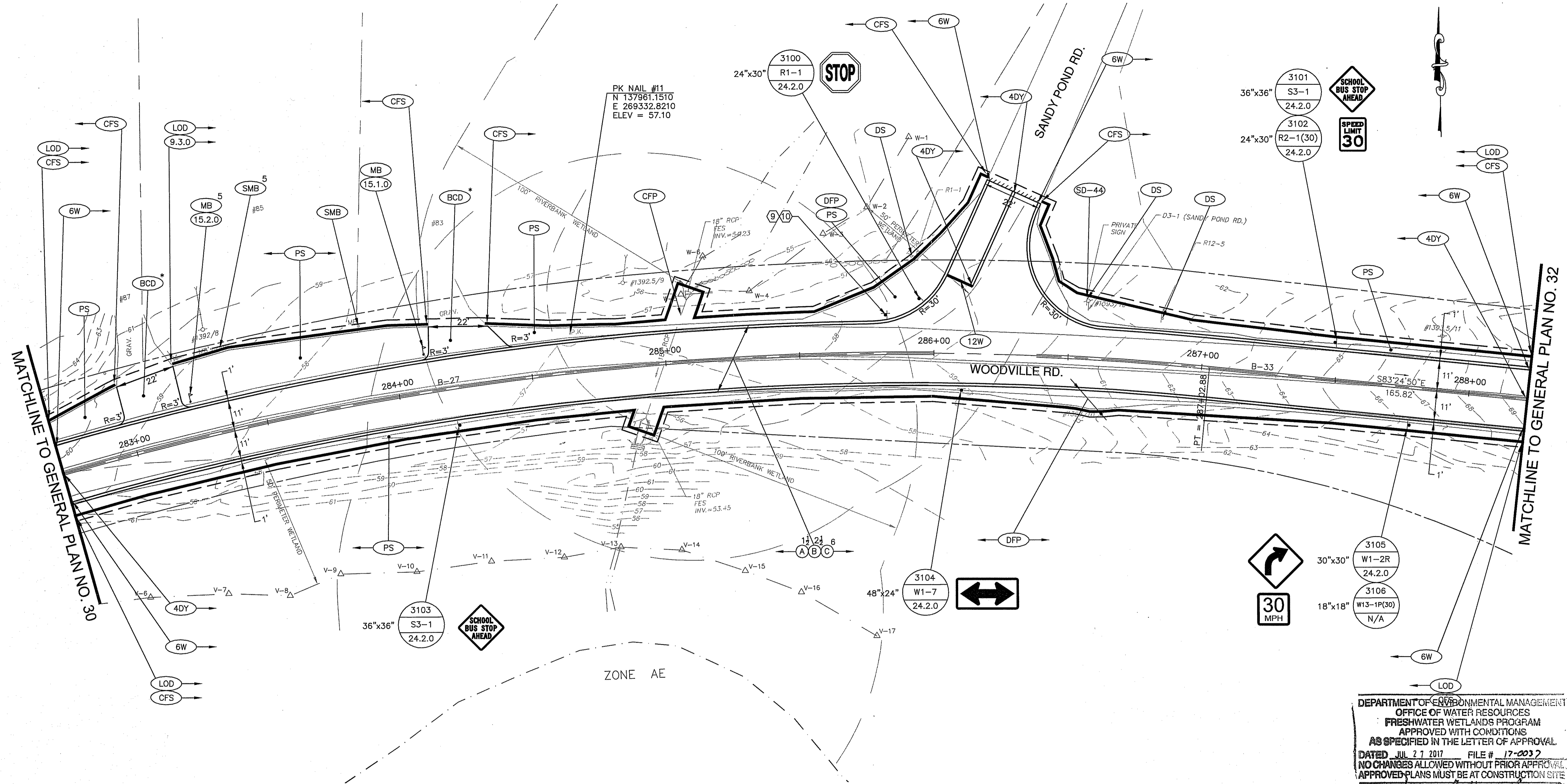
WOODVILLE ROAD IMPROVEMENTS

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 30

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0032
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-27	1150.00	610.94	312.86	30°26'18"

CURVE	PC	NORTHING	EASTING
B-27	PC	137853.6159	268973.9721
	PI	137980.1299	269260.1125
	PT	137944.2453	269570.9089

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
9	Woodville Rd	24.6.1	6" INITIAL UPPER CASE
10	Sandy Pond Rd		4.5" LOWER CASE

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

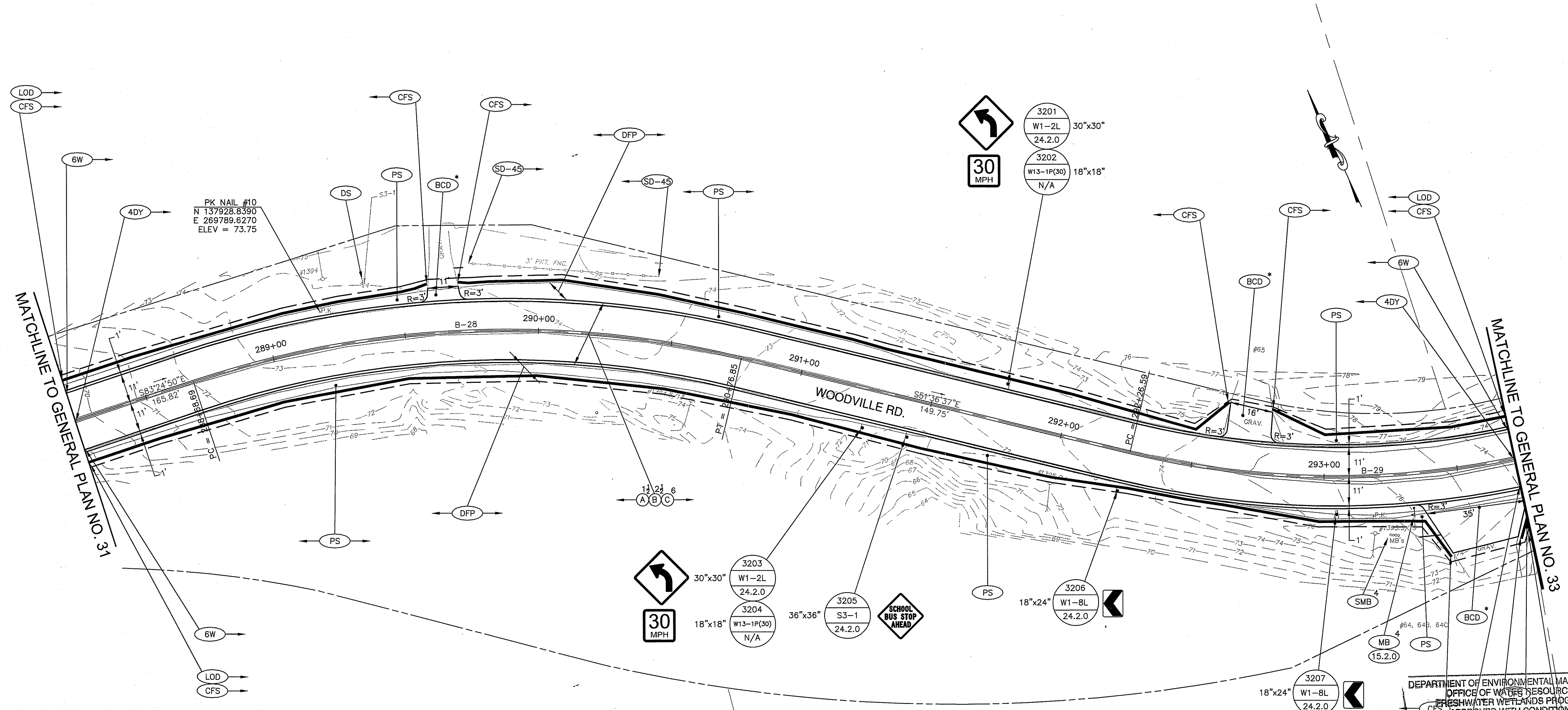
GENERAL PLAN NO. 31

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	38	79
RIDEM SUBMISSION				38	44



PK NAIL #10
N 137928.8390
E 269789.6270
ELEV = 73.75

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 07/27/2017 FILE # OD 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Harbo

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-28	375.00	208.15	106.83	31°48'12"
B-29	325.00	225.40	117.45	39°44'12"

CURVE		NORTHING	EASTING
B-28	PC	137925.2264	269735.6323
	PI	137912.9728	269841.7608
	PT	137846.6285	269925.4976
B-29	PC	137753.6352	270042.8697
	PI	137680.7008	270134.9243
	PT	137683.4621	270252.3375

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

NO.	DATE	BY

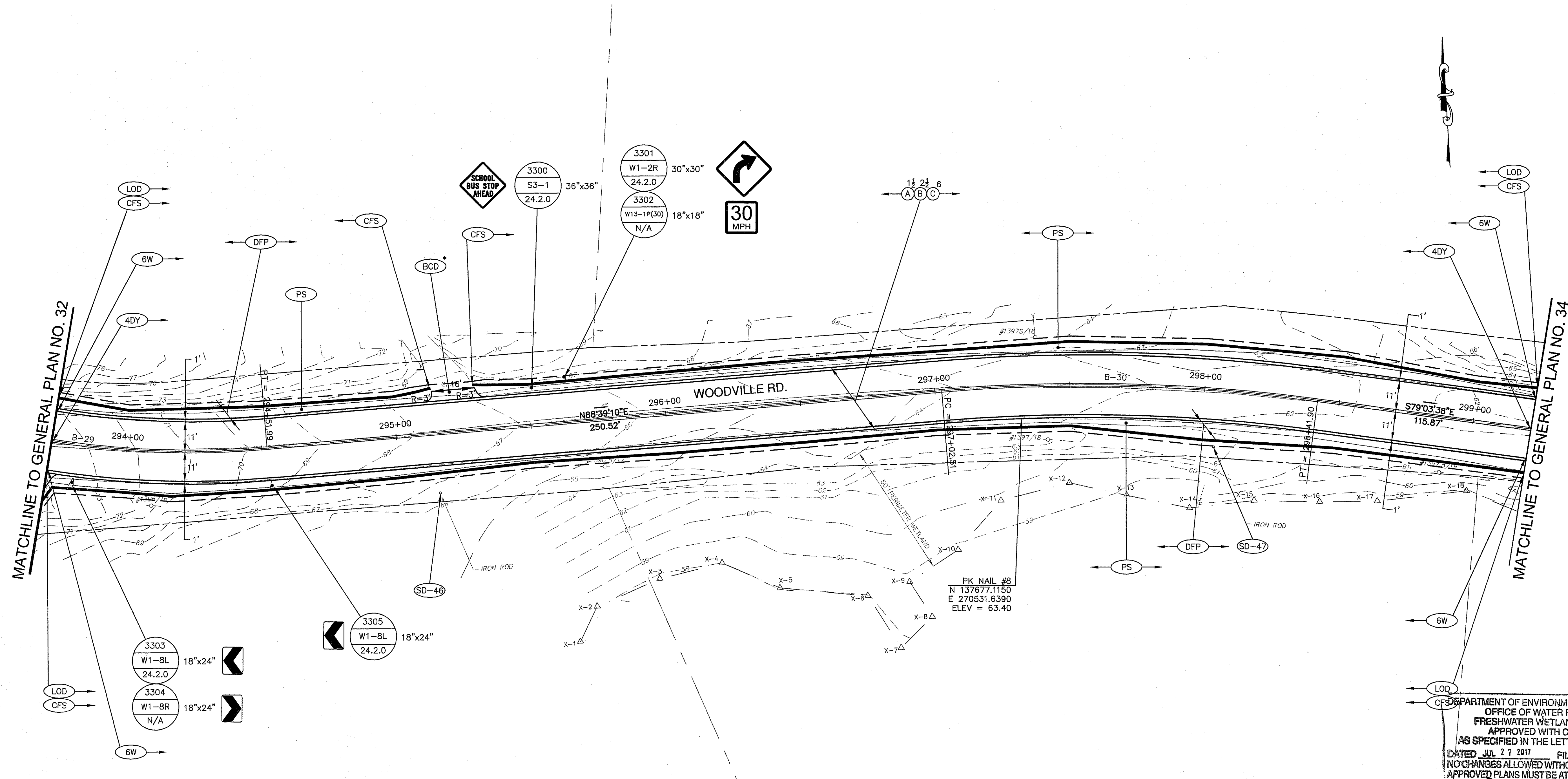
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 32

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'



PK NAIL #8
 N 137677.1150
 E 270531.6390
 ELEV = 63.40

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 21 2017 FILE # 17-037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
James B. Herbert

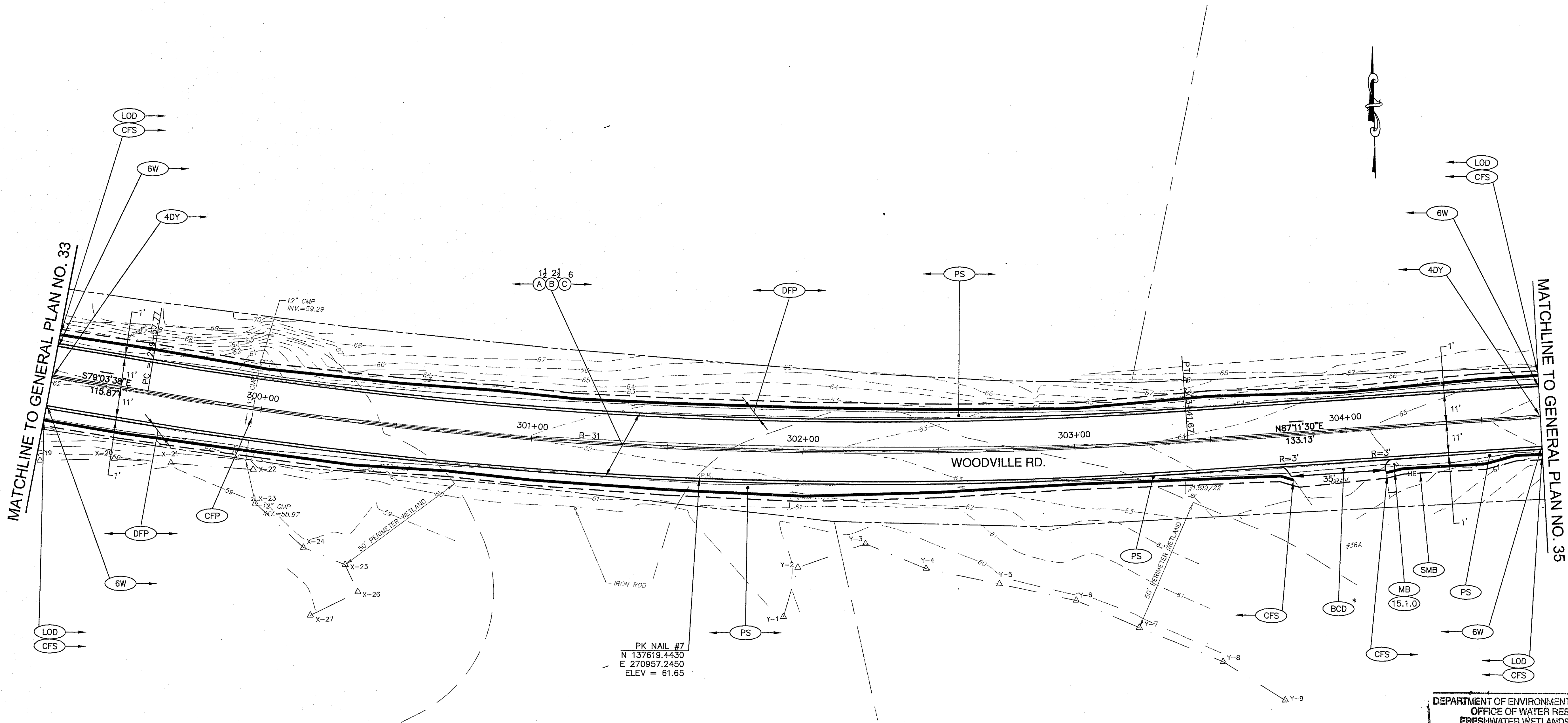
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-29	325.00	225.40	117.45	39°44'12"
B-30	650.00	139.39	69.96	12°17'11"

CURVE		NORTHING	EASTING
B-29	PC	137753.6352	270042.8697
	PI	137680.7008	270134.9243
	PT	137683.4621	270252.3375
B-30	PC	137689.3521	270502.7911
	PI	137690.9969	270572.7331
	PT	137677.7204	270641.4231

NO.	DATE	BY

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
**WOODVILLE ROAD
 IMPROVEMENTS**
 HOPKINTON/RICHMOND, RHODE ISLAND
GENERAL PLAN NO. 33
 CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'
 0165V_V1_039_GENERAL033



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
James A. Habet

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-31	1600.00	383.91	192.88	13°44'52"

CURVE	NORTHING	EASTING
PC	137655.7328	270755.1829
PI	137619.1299	270944.5588
PT	137628.5804	271137.2080

PK NAIL #7
 N 137619.4430
 E 270957.2450
 ELEV = 61.65

NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 WOODVILLE ROAD
 IMPROVEMENTS
 HOPKINTON/RICHMOND, RHODE ISLAND

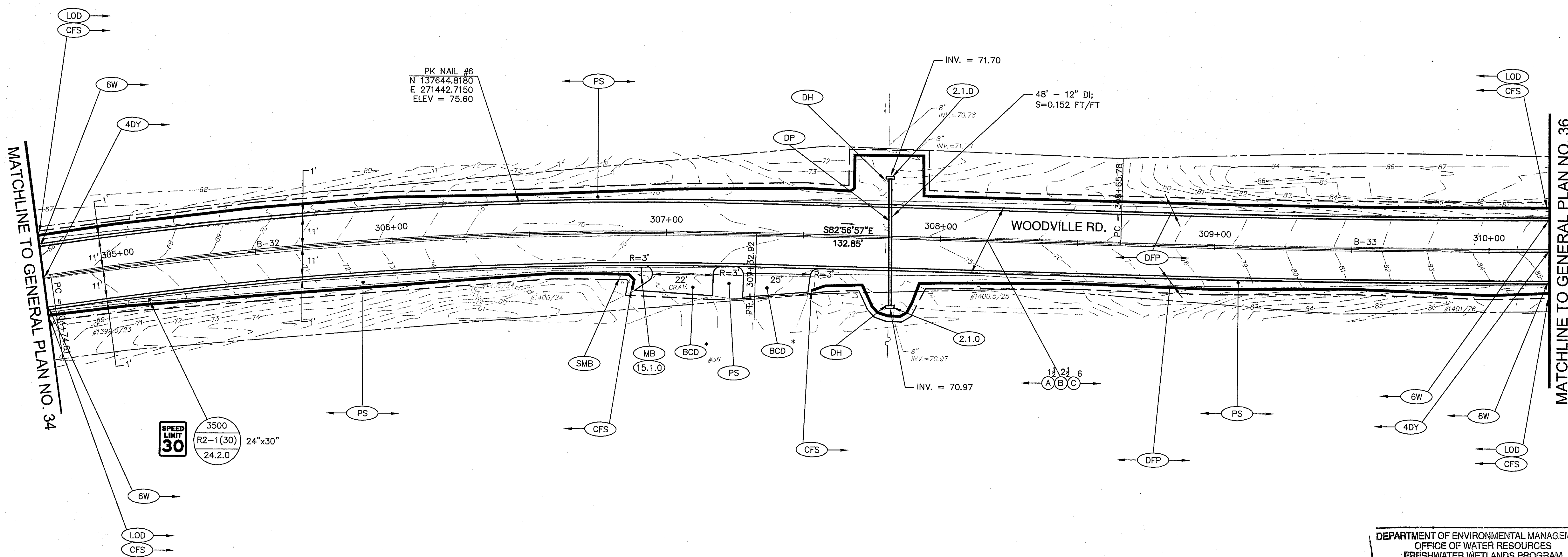
GENERAL PLAN NO. 34

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 85 CORLISS STREET \ P.O. BOX 6145
 PROVIDENCE, RHODE ISLAND 02940

CULVERT NOTES:

SEE DETAILS FOR CULVERT CONSTRUCTION ON PLAN SHEET 5. TWIN CULVERT SHALL USE WATER DIVERSION AND SINGLE CULVERTS SHALL USE BYPASS PUMPS (UNLESS DRY CONDITIONS ARE PRESENT).

BYPASS PUMP FOR CULVERT AT STATION 307+80 SHALL HAVE A CAPACITY TO PUMP 4 CFS.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 21 2017 FILE # 17-037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Herbert

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-32	1500.00	258.12	129.38	9°51'34"
B-33	5000.00	320.06	160.08	3°40'03"

CURVE		NORTHING	EASTING
B-32	PC	137635.1034	271270.1815
	PI	137641.4425	271399.4037
	PT	137625.5612	271527.8030
B-33	PC	137609.2535	271659.6499
	PI	137589.6030	271818.5232
	PT	137580.1556	271978.3282

REVISIONS		
NO.	DATE	BY

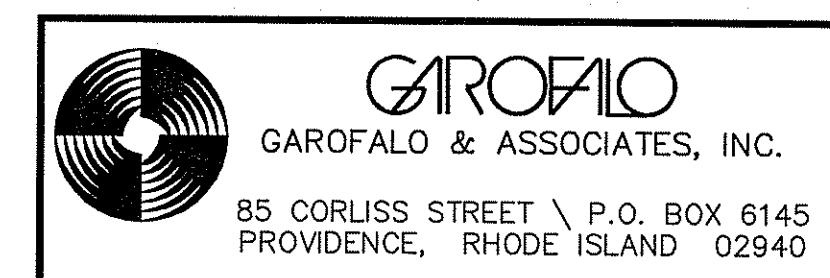
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

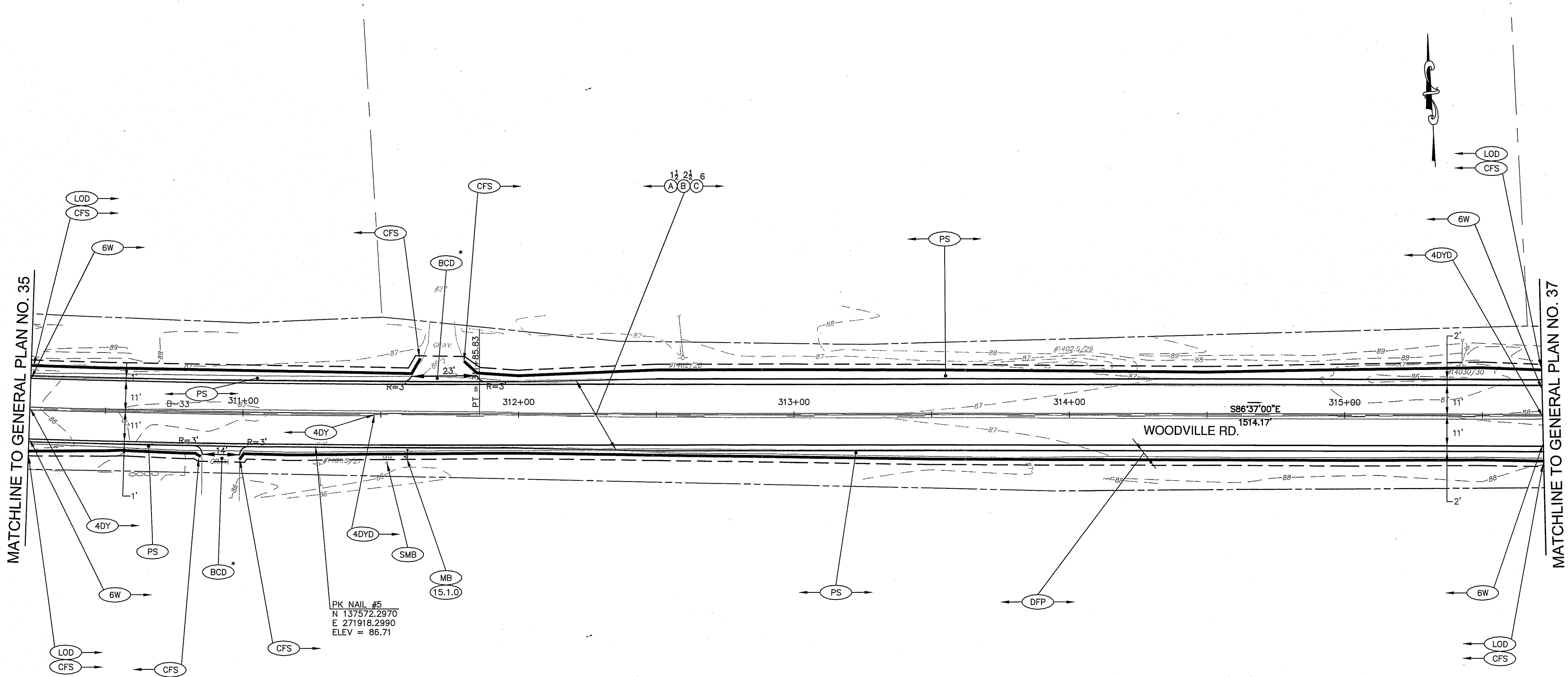
**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 35

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'





PK NAIL #5
 N 137572.2970
 E 271918.2990
 ELEV = 86.71

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 27 2017 FILE # 17-0037
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
James H. Haber

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-33	5000.00	320.06	160.08	3°40'03"

ALIGNMENT DATA			
CURVE	PC	NORTHING	EASTING
B-33	PC	137609.2535	271659.6499
	PI	137589.6030	271818.5232
	PT	137580.1556	271978.3282

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

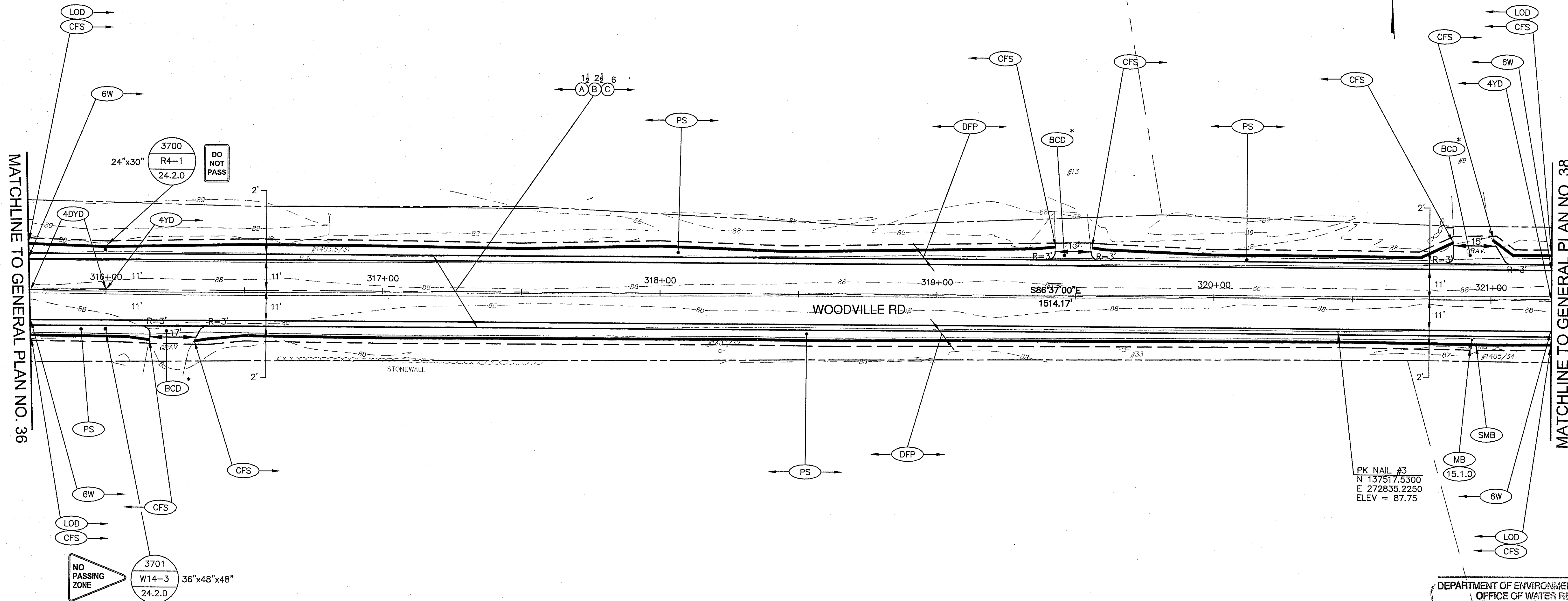
GENERAL PLAN NO. 36

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.

85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	43	79
RIDEM SUBMISSION				43	44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

James H. Habert

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

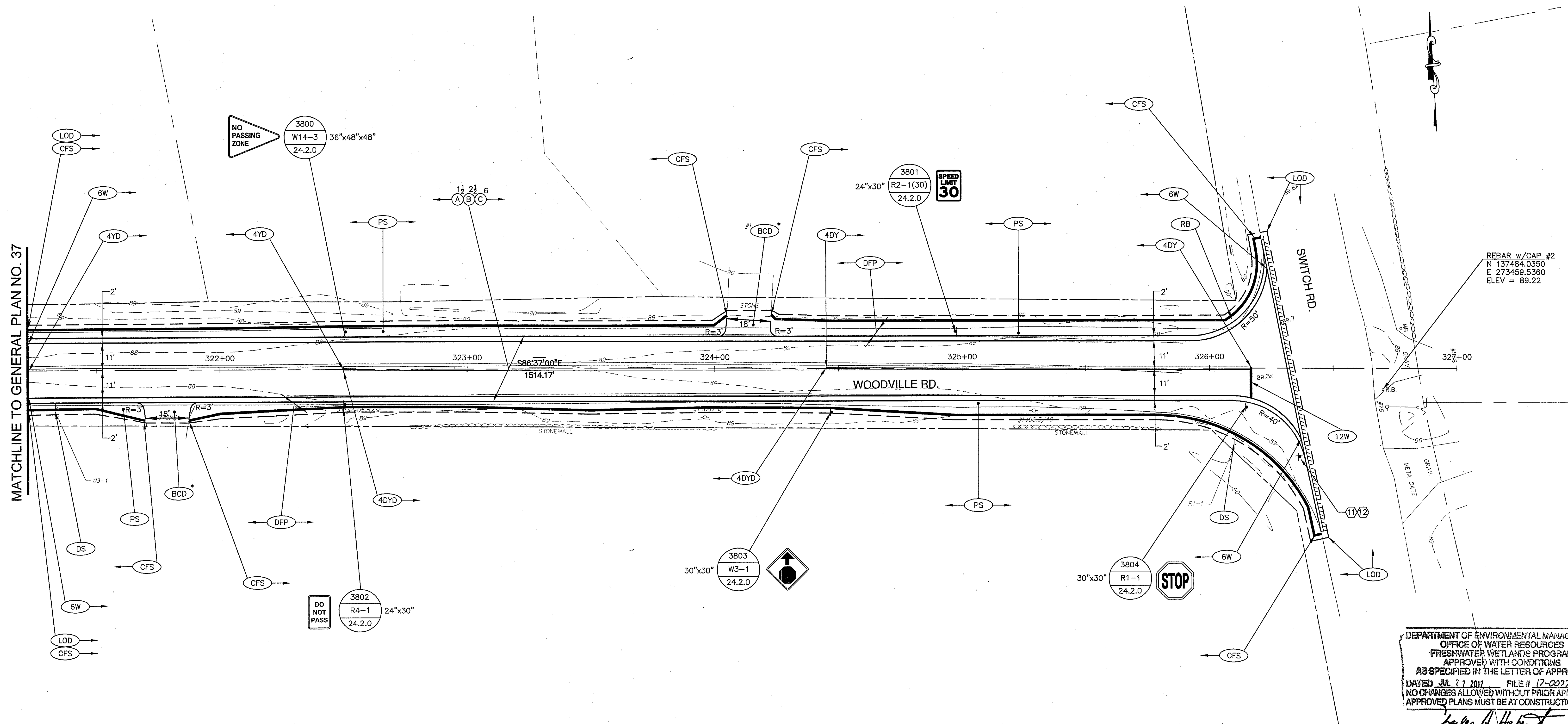
HOPKINTON/RICHMOND, RHODE ISLAND

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940

GENERAL PLAN NO. 37

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL NO.
1	R.I.	xxx-xxxx(xxx)	2018	44	79
RIDEM SUBMISSION				44	44



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2017 FILE # 17-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles A. Habert

CURVE	NORTHING	EASTING
327+00	137491.3518	273487.0515

SIGN NO.	LEGEND	MOUNTING	TEXT SIZE
11	Woodville Rd	24.6.1	6" INITIAL UPPER CASE
12	Switch Rd		4.5" LOWER CASE

REVISIONS

NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**WOODVILLE ROAD
IMPROVEMENTS**

HOPKINTON/RICHMOND, RHODE ISLAND

GENERAL PLAN NO. 38

CHECKED BY: M.W.C. DATE: 06/22/17 SCALE: 1"=20'

GAROFALO
GAROFALO & ASSOCIATES, INC.
85 CORLISS STREET \ P.O. BOX 6145
PROVIDENCE, RHODE ISLAND 02940