



#### SITE LOCATION M

OCT 19 2023

SCALE:1"=2,000'





8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865 (401) 334-4100

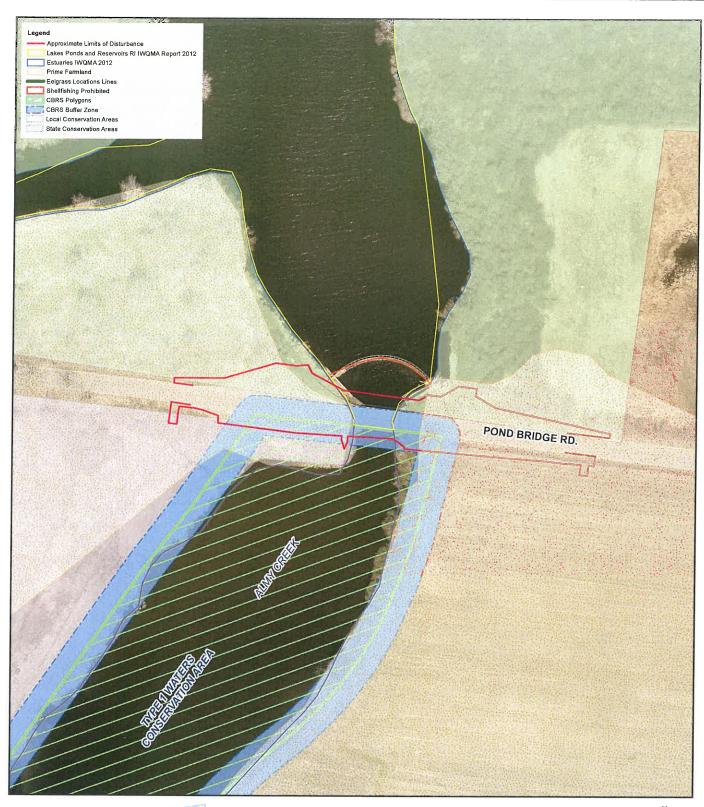
10 LINCOLN ROAD, SUITE 210 FOXBORO, MA 02035 (508) 543-1755

PARE PROJECT No. 20085.01

AUGUST 2023

#### FIGURE 1

NONQUIT POND BRIDGE NO, 292 TIVERTON, RI





#### ANNOTATED AERIAL PHOTOGRAPH

SCALE:1"= 200'





8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865 (401) 334-4100

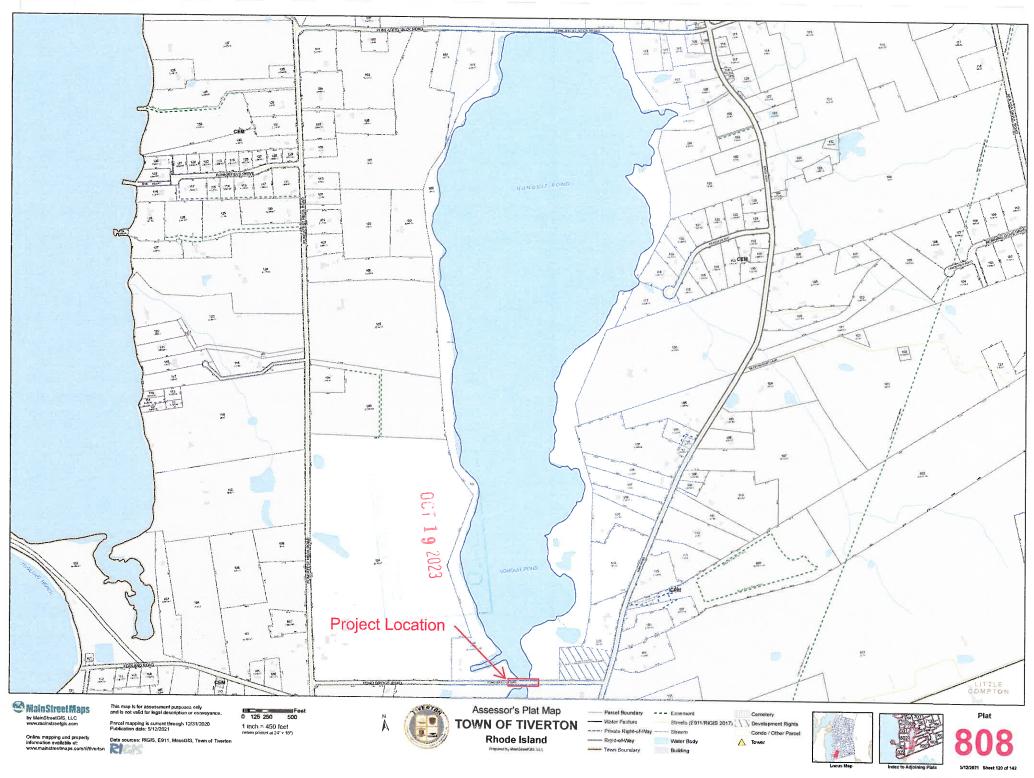
10 LINCOLN ROAD, SUITE 210 FOXBORO, MA 02035 (508) 543-1755

PARE PROJECT No. 20085.01

AUGUST 2023

#### FIGURE 2

NONQUIT POND BRIDGE NO. 292 TIVERTON, RI



#### INDEX OF DRAWINGS

#### SHEET No. DESCRIPTION COVER SHEET STANDARD PLAN SYMBOLS & STANDARD LEGEND STANDARD NOTES - 1 STANDARD NOTES - 2 JOB SPECIFIC PLAN SYMBOLS LEGEND & NOTES TYPICAL SECTIONS GENERAL PLAN ROADWAY PROFILE

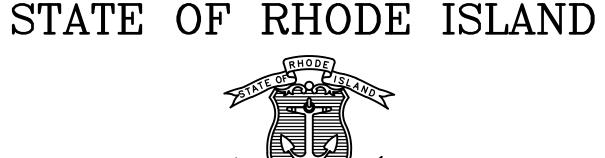
- DRAINAGE AND UTILITY PLAN GRADE AND LOCATION PLAN
- VEGETATION IMPACT AND LANDSCAPE PLAN
- BRIDGE NOTES 1 3 BRIDGE DEMOLITION PLAN
- BRIDGE DEMOLITION AND REPAIR ELEVATIONS
- CONCRETE REPAIR NOTES AND DETAILS
- BRIDGE GENERAL PLAN **BRIDGE SECTIONS**
- PILE LAYOUT PLAN
- TYPICAL ABUTMENT PLAN AND ELEVATION WINGWALL PLAN AND ELEVATION No. 1 AND No. 2

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD

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

AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018, WITH ALL REVISIONS AND SUPPLEMENTS AND



# DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED

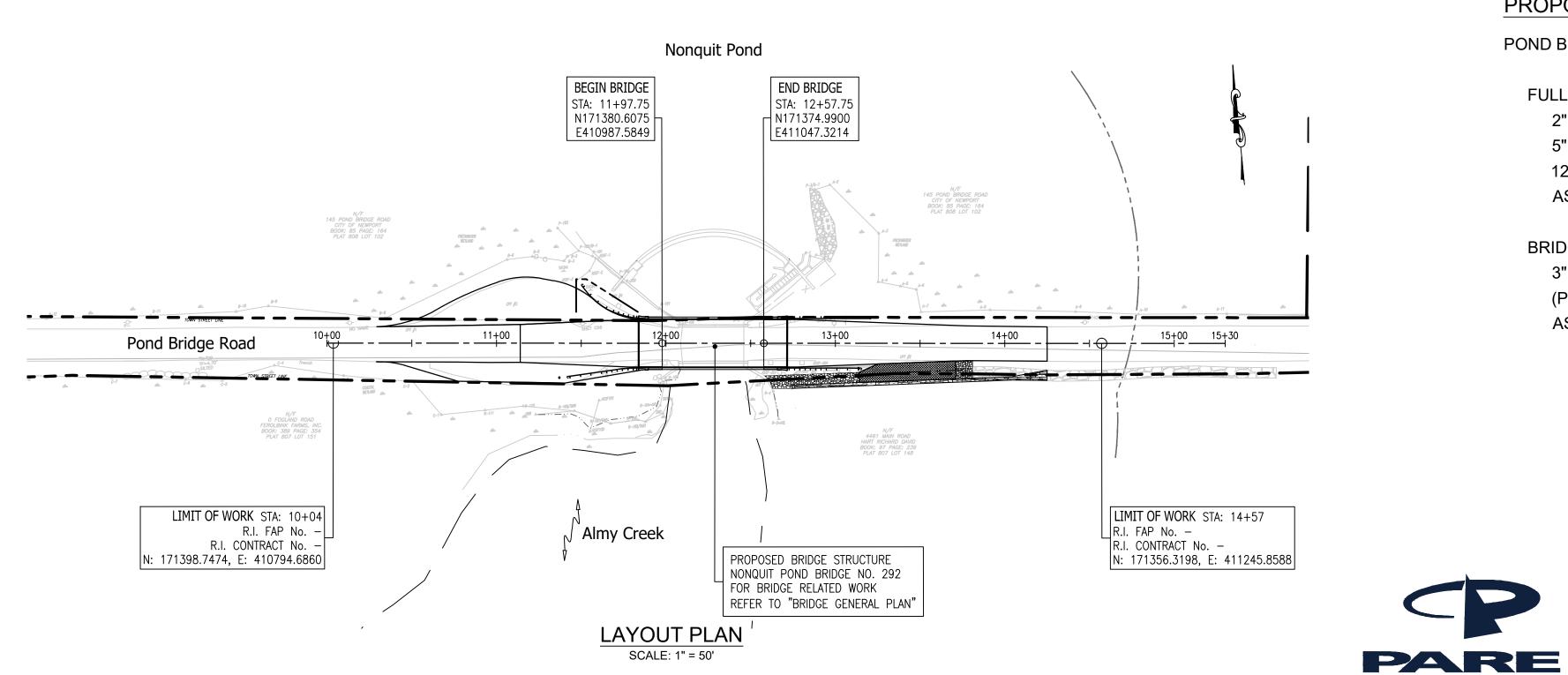
## NONQUIT POND BRIDGE NO. 292

POND BRIDGE ROAD

### TIVERTON, RHODE ISLAND **NEWPORT COUNTY**

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

0.05 MILES



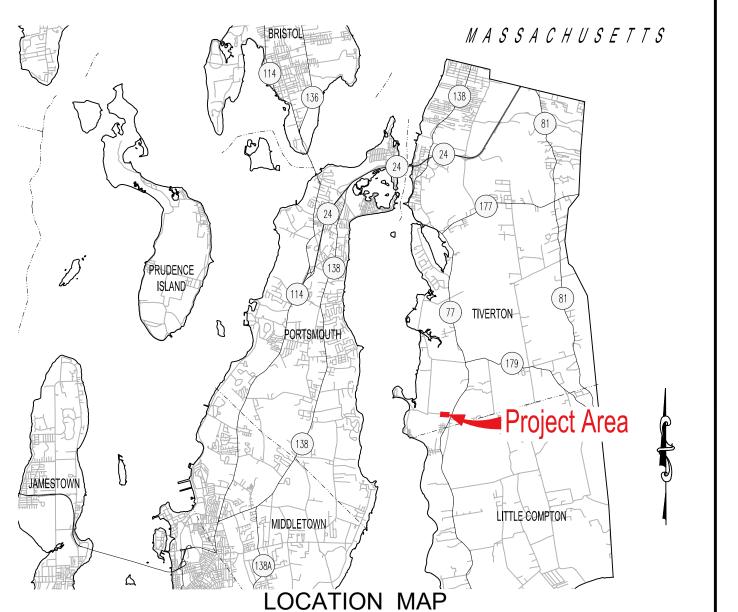
SCALES OF DRAWINGS PLANS: 1 INCH = 20 FEET

PERMIT SUBMISSION SEPTEMBER 2023

BASE OF LEVELS VERTICAL DATUM USED: NAVD-88 HORIZONTAL DATUM: RHODE ISLAND STATE PLANE, NAD-83 (2007) (2002.00)

PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 8 BLACKSTONE VALLEY PLACE 10 LINCOLN ROAD, SUITE 210 14 BOBALA ROAD, SUITE 2B FOXBORO, MA 02035 HOLYOKE, MA 01040 LINCOLN, RI 02865

> Contract Number Number of Sheet Total Sheets \_\_\_\_\_



SCALE: N.T.S.

FEDERAL AID PROJECT NO.

FISCAL SHEET YEAR NO.

2024

#### DESIGN DESIGNATION

AADT (2021) = 1,000 VEHAADT (2041) = 1,100 VEHDHV (2041) = 99 VEH D = 55/45T = 1%

DESIGN SPEED = 30 MPH

#### PROPOSED PAVEMENT STRUCTURE

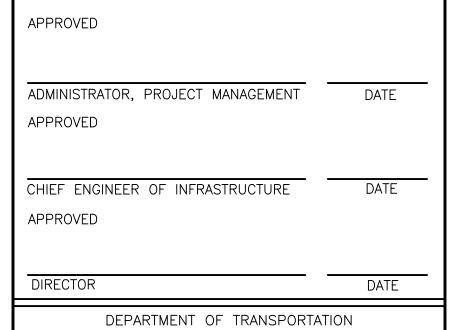
POND BRIDGE ROAD:

**FULL DEPTH CONSTRUCTION:** 2" MODIFIED CLASS 12.5 HMA 5" CLASS 19.0 HMA (PLACED IN TWO 2.5" LIFTS) 12" GRAVEL BORROW SUBBASE COURSE

ASPHALT EMULSION TACK COAT BETWEEN HMA LAYERS

#### **BRIDGE DECK:**

3" MIN. MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS (PLACED IN TWO 1.5" MIN. LIFTS, DEPTH VARIES) ASPHALT EMULSION TACK COAT BETWEEN HMA LAYERS



R.I. DEPARTMENT OF TRANSPORTATION

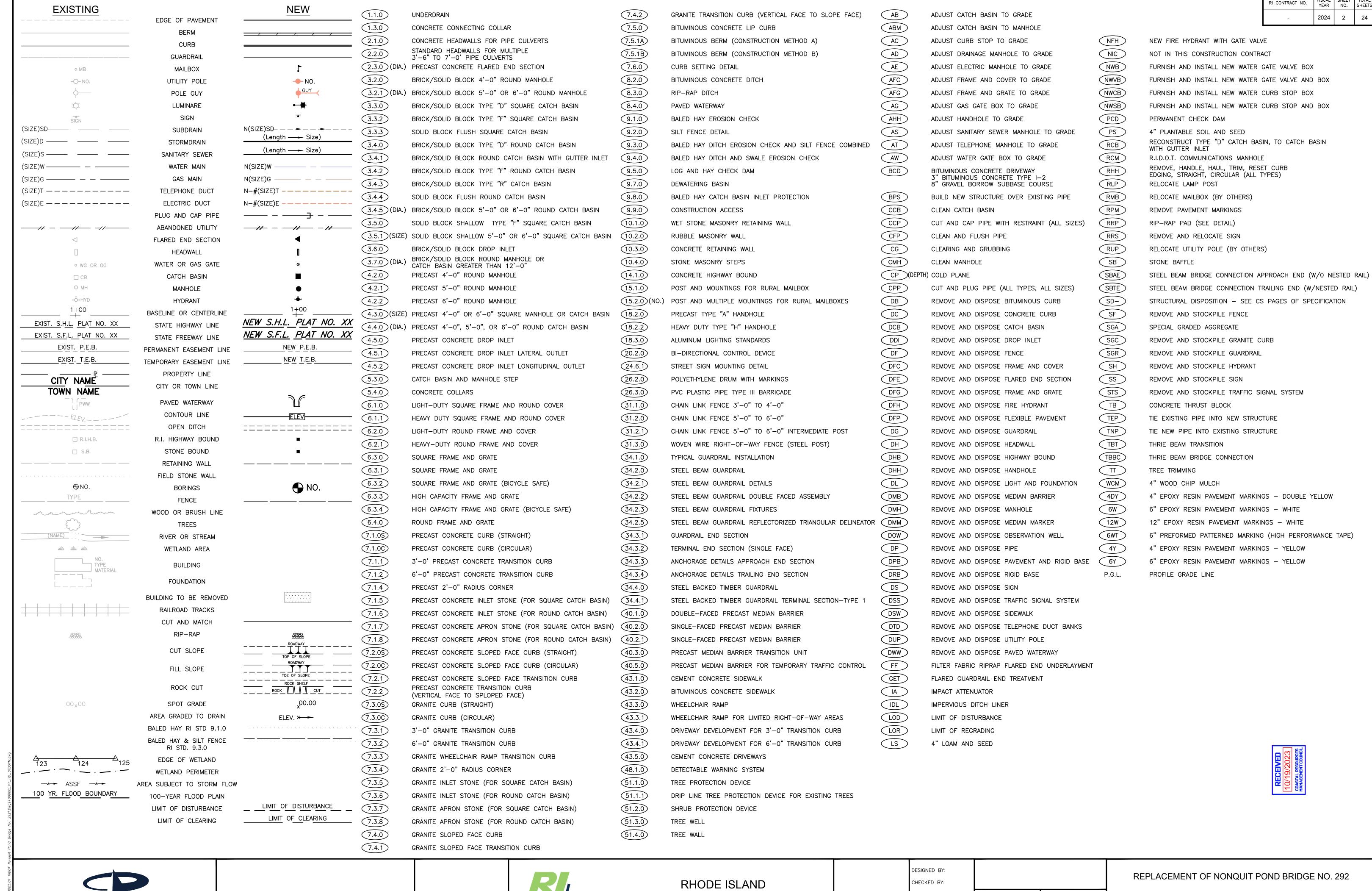
FEDERAL HIGHWAY ADMINISTRATION APPROVED

DIVISION ADMINISTRATOR

RECEIVED

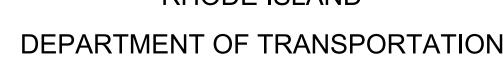
REVISIONS.

DATE









IGNED	BY:							
CKED	BY:							
Ξ:	AUGUST 2023	F	REVISIONS	S	REVISIONS			
		NO.	DATE	BY	NO.	DATE	BY	
ET:	2	1	6/07	TRB				
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RHODE ISLAN

STANDARD PLAN SYMBOLS & STANDARD LEGEND

#### **GENERAL NOTES:**

- 1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- 2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
- 4. ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- 5. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- 6. ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 7. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
- 8. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- 9. UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- 10. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- 11. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- 12. THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
- 13. PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKI—TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE
- 15. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
- 17. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- 18. IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
- 19. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM). AND/OR THE ARMY CORPS OF ENGINEERS (ACOE). AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- 20. FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- 21. NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
- 22. THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

#### DRAINAGE AND EROSION CONTROL NOTES:

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

#### DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

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

### UTILITY NOTES:

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.

RI CONTRACT NO.

YEAR NO. SHEET

2024 3

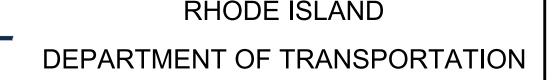
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39–1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
- 3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- 4. EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
- 5. UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- 6. FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- 7. ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- 8. ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.



RHODE ISLANI







DESIGNED BY:

CHECKED BY:

DATE: AUGUST 2023

SHEET: 3

REVISIONS

NO. DATE BY NO

1 4/07 TRB

OF:

2 3/10 RBH

3 | 4/14 | MLP

REVISIONS

DATE

REPLACEMENT OF NONQUIT POND BRIDGE NO. 292

STANDARD NOTES - 1

I CONTRACT NO.	FISCAL	SHEET	TOTAL	
	YEAR	NO.	SHEET	
-	2024	4	24	

#### 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 <u>AASHTO STANDARD</u> <u>SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS</u>, <u>LUMINAIRES AND TRAFFIC SIGNALS (THE "SPECIFICATIONS"</u>), 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:

- 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.

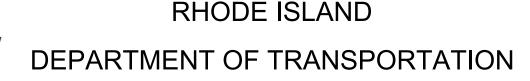
#### MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

- 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 FDITION.
- 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 <u>NOT</u> 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—PLANED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.









DESIGNED BY:

CHECKED BY:

DATE: AUGUST 2023

NO. DATE BY NO. DATE BY

1 4/07 TRB

2 | 11/07 | TRB

3 3/10 RBH

OF:

RHODE ISLANI

REPLACEMENT OF NONQUIT POND BRIDGE NO. 292

STANDARD NOTES - 2

#### JOB SPECIFIC GENERAL NOTES:

- EXISTING CONDITIONS SURVEY WAS PREPARED BY MARTINEZ COUCH & ASSOCIATES. ROCKY HILL CONNECTICUT, IN SEPTEMBER OF 2020.
- FOR SURVEY WORK PERFORMED BY THE CONTRACTOR, 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 THE CONTRACTOR'S PROFESSIONAL LAND SURVEYOR.
- ALL REQUIRED TREE TRIMMING WILL BE COMPLETED UNDER THE RIDOT STATEWIDE TRIMMING CONTRACT. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK.
- 4. EXCEPT WHERE NOTED OTHERWISE ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REESTABLISHED WITH LOAM AND TYPE 2 SEED. IF AREAS ARE BEYOND WORK LIMIT LINES. THEN THE COST SHALL BE BORNE BY THE CONTRACTOR.
- TREE AND SHRUB PROTECTION DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING TREES AND THEIR ROOT SYSTEMS DURING CONSTRUCTION.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY THE APPROPRIATE UTILITY AUTHORITIES INCLUDING "DIG SAFE" PRIOR TO STARTING WORK. ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE COST OF REPAIRS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE
- ALL WORK WITHIN THE STATE RIGHT-OF-WAY AND PORTIONS OF WORK ON TOWN ROADWAYS SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS, DETAILS, AND ALL ADDENDA.
- THE CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF OVERHEAD UTILITIES WITHIN THE WORK ZONE AND SHALL PLAN ALL CONSTRUCTION ACCORDINGLY. NO ADDITIONAL PAYMENT WILL BE MADE FOR EQUIPMENT AND METHODS REQUIRED TO ACCOMMODATE THE OVERHEAD UTILITIES.
- NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARY EARTH SUPPORT. SHOULD THE CONTRACTOR USE ANY TEMPORARY EARTH SUPPORT STRUCTURES, THE COST SHALL BE CONSIDERED INCIDENTAL TO THE CORRESPONDING ITEMS OF WORK.
- 10. THERE SHALL BE NO PARKING OR STORING OF CONSTRUCTION EQUIPMENT UNDER THE DRIPLINE OF ANY TREE.
- 11. THERE ARE NO DESIGNATED CONCRETE WASHOUT AREAS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER TO EITHER DESIGNATE AN AREA WITHIN THE PROJECT LIMITS OR TO ENSURE THAT THE CONCRETE WASHOUT IS BEING PERFORMED OFFSITE.
- 12. CONTRACTOR TO EXCAVATE TEST PITS IN AREAS OF POTENTIAL UTILITY CONFLICTS AND RELAY INFORMATION TO THE ENGINEER PRIOR TO COMMENCEMENT OF UTILITY WORK.
- 13. WETLANDS WERE FLAGGED BY PARE ON JULY 16, 2020 AND SURVEYED BY MARTINEZ COUCH & ASSOCIATES. THE FOLLOWING GPS-LOCATED POINTS WERE OBTAINED BY PARE AS SUPPLEMENT TO THE SURVEY. THIS WAS DONE FOR FLAGS A-2 TO A-4, R107, R108, R110, SM-8, C1, P103.
- 14. ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP FOR BRISTOL COUNTY, RHODE ISLAND (COMMUNITY PANEL 44005C0112J, EFFECTIVE DATE SEPTEMBER 4, 2013), THE SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN ASSOCIATED WITH ALMY CREEK AND NONQUIT POND. NONQUIT POND IS MAPPED AS ZONE AE, SUBJECT TO WAVE ACTION, WITH A BASE FLOOD ELEVATION OF 16 FEET. THE AREAS TO THE NORTHEAST AND NORTHWEST OF THE BRIDGE, THE BRIDGE ITSELF, AND THE ROADWAY ARE MAPPED AS ZONE AE WITH A BASE FLOOD ELEVATION OF 14 FEET. ALMY CREEK DOWNSTREAM OF THE BRIDGE IS MAPPED AS A COASTAL BARRIER RESOURCE AREA (DO2) SYSTEM UNIT UNDER JURISDICTION OF THE USFWS. THE ALMY CREEK CHANNEL IS MAPPED AS A ZONE AE, COASTAL FLOOD ZONE SUBJECT TO WAVE ACTION, WITH A BASE FLOOD ELEVATION OF 16 FEET. THE AREA DOWNSTREAM OF THE BRIDGE IS MAPPED AS ZONE AE COASTAL FLOOD ZONE SUBJECT TO WAVE ACTION, WITH A BASE FLOOD ELEVATION OF 15 FEET.

#### JOB SPECIFIC GUARDRAIL REPLACEMENT NOTES:

- 1. NEW GUARDRAIL AND GUARDRAIL INSTALLATIONS SHALL MEET THE 2016 MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
- THE APPROXIMATE LOCATION AND LENGTH OF PARTIAL AND COMPLETE GUARDRAIL REMOVAL AND REPLACEMENT ARE SHOWN IN THE REFERENCE DRAWINGS. PRIOR TO DISMANTLING ANY SECTION OF THE GUARDRAIL. THE CONTRACTOR SHALL VERIFY THESE LOCATIONS AND LENGTHS WITH THE ENGINEER. ALL GUARDRAIL SECTIONS THAT ARE TO BE REMOVED SHALL BE REPLACED THE SAME DAY. IF SAME DAY REPLACEMENT IS NOT POSSIBLE, THE CONTRACTOR SHALL PROVIDE CONCRETE BARRIERS WITH FLARE OUTSIDE THE CLEAR ZONE OR CRASH CUSHION. PLACEMENT AND REMOVAL OF CONCRETE BARRIER SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL REPLACEMENT, THEREFORE THERE IS NO SEPARATE PAYMENT.
- THE CONTRACTOR SHALL NOT INSTALL GUARDRAIL POSTS WITHIN PAVED WATERWAYS, ON TOP OF DRAIN LINES, OR ON TOP OF BOX CULVERTS. WHERE NECESSARY, POST SPACING SHALL BE ADJUSTED TO AVOID CONFLICTS, PROVIDED MINIMUM DEFLECTION REQUIREMENTS ARE STILL MET. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO INSTALL STEEL BEAM GUARDRAIL POSTS ON EITHER SIDE OF AN OBSTRUCTION THAT IS LESS THAN SIX (6) FEET WIDE USING THE NORMAL 6'-3" POST SPACING. THIS MAY REQUIRE THAT THE GUARDRAIL INSTALLATION IS STARTED AT THE OBSTRUCTION AND CONTINUED IN EITHER DIRECTION AWAY FROM THE OBSTRUCTION TO THE DESIRED LENGTH SHOWN ON THE PLANS AND SPECIFIED IN THE CONTRACT DOCUMENTS.
- 4. THE CONTRACTOR SHALL NOTE THAT THE REQUIRED INSTALLATION OF REFLECTORIZED DELINEATORS ON ALL GUARDRAIL AND GUARDRAIL END TREATMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE GUARDRAIL ITEM. NO SEPARATE PAYMENT WILL BE MADE FOR THE REFLECTORIZED DELINEATORS. DELINEATION STICKERS ARE ALSO REQUIRED ON ALL APPROACH END SECTIONS, AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE END TREATMENT.
- WHERE EXISTING GUARDRAIL POSTS ARE REMOVED AND NO NEW GUARDRAIL IS INSTALLED, THE POST HOLES SHALL BE FILLED WITH COMMON BORROW. PLANTABLE SOIL AND SEED SHALL BE SPREAD ACROSS THE FILLED HOLES. HOLES SHALL BE FILLED WITH CONCRETE BITUMINOUS PATCH ON IMPERVIOUS SURFACES. THE COST OF THIS ITEM SHALL BE INCIDENTAL TO ITEM CODE 201.0415 REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES.
- THERE WILL BE NO DIRECT PAYMENT FOR ANY HARDWARE, UNLESS OTHERWISE NOTED, REQUIRED TO PROPERLY COMPLETE THE INSTALLATION OF GUARDRAIL IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STANDARD DETAILS, OR SPECIAL DETAILS CONTAINED IN THE CONTRACT. HARDWARE SHALL INCLUDE ALL NUTS, BOLTS, AND WASHERS.

#### JOB SPECIFIC EROSION CONTROL NOTES:

- 1. BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS MUST BE USED AND MAINTAINED IN EFFECTIVE OPERATIONAL CONDITION DURING THE ACTIVITY, AND ALL EXPOSED SOIL AND OTHER FILLS MUST BE PERMANENTLY STABILIZED AT THE EARLIEST POSSIBLE DATE. (SEE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" ("RISESC HANDBOOK") AND THE LATEST VERSION OF THE "RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL ("RISDIS MANUAL") FOR DESIGN GUIDANCE AND ADDITIONAL REQUIREMENTS".)
- NO ACTIVITY SHALL RESULT IN SEDIMENT TRANSPORT TO WETLANDS AND/OR WATERWAYS.
- NO EQUIPMENT SHALL BE PLACED IN ANY WATERCOURSE OR WETLAND FOR THE PURPOSE OF THE WORK, UNLESS AUTHORIZED BY THE GOVERNING AUTHORITY. ANY MATERIAL REMOVED FROM THE STRUCTURE DURING THE REPAIR SHALL BE DISPOSED PROPERLY OFFSITE.
- 4. EXCEPT AS PROVIDED FOR BY PAY ITEMS, ALL WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
- PROPER CONTAINMENT MEASURES SUCH AS NETTING, TARP OR OTHER METHODS MUST BE USED TO PREVENT BRIDGE DEMOLITION DEBRIS AND ANY OTHER MATERIAL FROM ENTERING THE WATERWAY. DEBRIS AND OTHER MATERIAL THAT DOES ENTER THE WATERWAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

#### JOB SPECIFIC CONSTRUCTION ACTIVITY NOTES:

- 1. ALL WETLAND FUNCTIONS AND VALUES MUST BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE SO AS TO PREVENT POLLUTANTS, SEDIMENT, DIRECT DISCHARGE OF STORMWATER RUNOFF, OR ANY MATERIAL FOREIGN TO A WETLAND OR HAZARDOUS TO LIFE, FROM ENTERING ANY WETLAND.
- 2. STATE AND LOCAL PERMITTING AGENCIES MAY REQUIRE A WORK PLAN PRIOR TO THE ISSUANCE OF A
- NO CONCRETE WASHOUT AREAS WILL BE PERMITTED WITHIN 150 FEET OF THE WATERBODIES.
- 4. ALL CONSTRUCTION ACTIVITIES MUST STRICTLY ADHERE TO THE CONTRACT DOCUMENTS REGARDING THE PROTECTION OF ESSENTIAL FISH HABITAT, MIGRATORY BIRDS, NORTHERN LONG-EARED BAT, AND NORTHERN DIAMONDBACK TERRAPIN.
- THE CONTRACTOR SHALL ALLOW ACCESS TO THE FISH LADDER AT ALL TIMES DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE EXISTING DRY HYDRANTS AT ALL TIMES DURING

#### GENERAL NOTE REGARDING TEMPORARY CONSTRUCTION CONDITIONS:

1. CONTRACTOR SHALL EXERCISE CARE NOT TO DAMAGE THE EXISTING PAVEMENT DURING THE INSTALLATION AND RELOCATION OF TEMPORARY BARRIERS.

#### JOB SPECIFIC VERIZON UTILITY NOTES:

1. A RADIAL CLEARANCE OF THREE FEET (3') MUST BE MAINTAINED BETWEEN VERIZON'S AERIAL EQUIPMENT (CABLES, TERMINALS, POLES, ETC) IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS. THIS INCLUDES TRAFFIC SIGNAL AND CONSTRUCTION EQUIPMENT.... EITHER TEMPORARY OR PERMANENT. PLEASE REFER TO R.I.D.O.T. DOCUMENT TAC-0049 FOR ADDITIONAL INFORMATION.

#### JOB SPECIFIC PLAN SYMBOLS

EXI	STING			NEW
			CUT AND MATCH	
			DIRECTION OF TRAVEL	
	<i>C.L.F.</i>		CHAIN LINK FENCE	
	SW		STONE WALL	
			TREE	
	0		BOLLARD	
	-		SIGN	
			TEMPORARY CHAIN LINK FENCE	<del></del>
	GV		GAS GATE	
	⊦Ō₁HYD		HYDRANT	
	WV		WATER GATE	
			DRAIN MANHOLE	
			CATCH BASIN	
	CI		CURB INLET	
	GC		VERTICAL GRANITE CURB	
	BIT		BITUMINOUS	
	CONC		CONCRETE	
	CW		CONCRETE WALK	
<u>A</u>	B8	B9	WETLAND EDGE	
			HIGH TIDE LINE	
		-	200-FOOT CONTIGUOUS AREA	
	—— OHW ———		OVERHEAD WIRES	——— онw ————————————————————————————————
	-0-		UTILITY POLE	• • • • • • • • • • • • • • • • • • •
_	SMRW		STONE MASONRY RETAINING WALL	
	<u> </u>		GUARDRAIL	<del></del>
			COMPOST FILTER SOCK	<del></del>
	• P#		GEOPROBE	
	<b>→</b> B#		BORING	
			RIPRAP	

### (8.1.0) SEEDED DITCH

R.I. STD. DETAILS:

(8.3.0M) RIPRAP DITCH (MODIFIED)(SEE DETAILS)

(26.1.0) FLUORESCENT TRAFFIC CONES

(29.1.0) CONSTRUCTION SIGNS

### TYPICAL SIGN DESIGNATION SYMBOL



CFS ) COMPOST FILTER SOCK (SEE DETAILS)

DFP ) DISPOSE FLEXIBLE PAVEMENT

ETR ) EXISTING TO REMAIN

ETEA ) GUARDRAIL END TERMINAL — ENERGY ABSORBING (MASH TL-3)

) FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT

GD-1 GUARDRAIL END DELINEATOR - RED (SEE DETAILS)

(GD-2) GUARDRAIL END DELINEATOR - GREEN (SEE DETAILS)

GRT ) GUARDRAIL TRANSITION (BRIDGE BARRIER TO STD. GUARDRAIL) THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 901.9902 GUARDRAIL "STEEL BEAM SINGLE FACE R.I. STD. 34.2.0M (MASH TL-3) (MODIFIED)" (SEE DETAILS)

FISCAL SHEET TOTAL YEAR NO. SHEET

2024 5

RI CONTRACT NO.

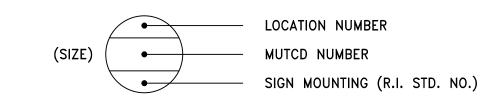
FULL DEPTH RECONSTRUCTION - ROADWAY 2" MODIFIED CLASS 12.5 HMA 5" CLASS 19.0 HMA 12" GRAVEL BORROW SUBBASE ASPHALT EMULSION TACK COAT BETWEEN LAYERS

PLACEMENT OF MILLINGS BENEATH GUARDRAIL TO A MINIMUM DEPTH OF 5"

R&D REMOVE AND DISPOSE

TUP TEMPORARY UTILITY POLE (BY OTHERS)

CONTROL OF WATER





RHODE ISLANI





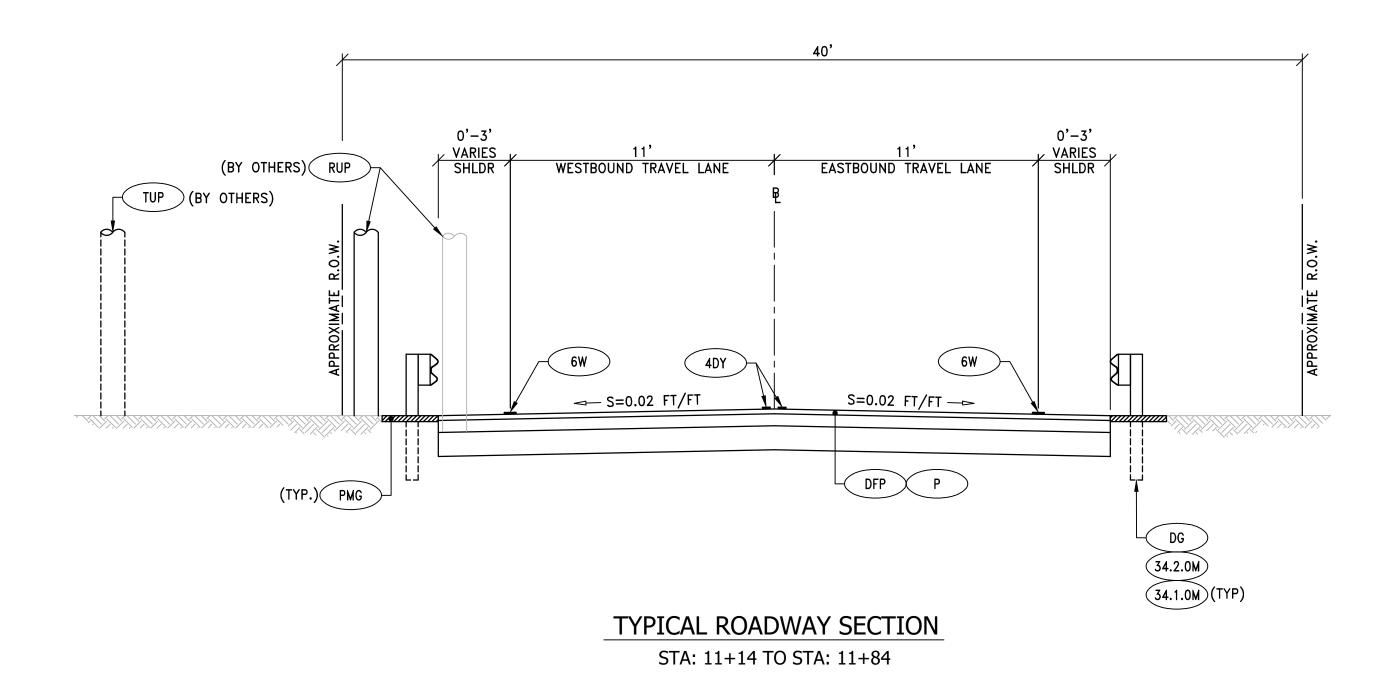
RHODE ISLAND DEPARTMENT OF TRANSPORTATION DESIGNED BY: CHECKED BY: REVISIONS REVISIONS DATE SHEET:

OF:

REPLACEMENT OF NONQUIT POND BRIDGE NO. 292

JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES

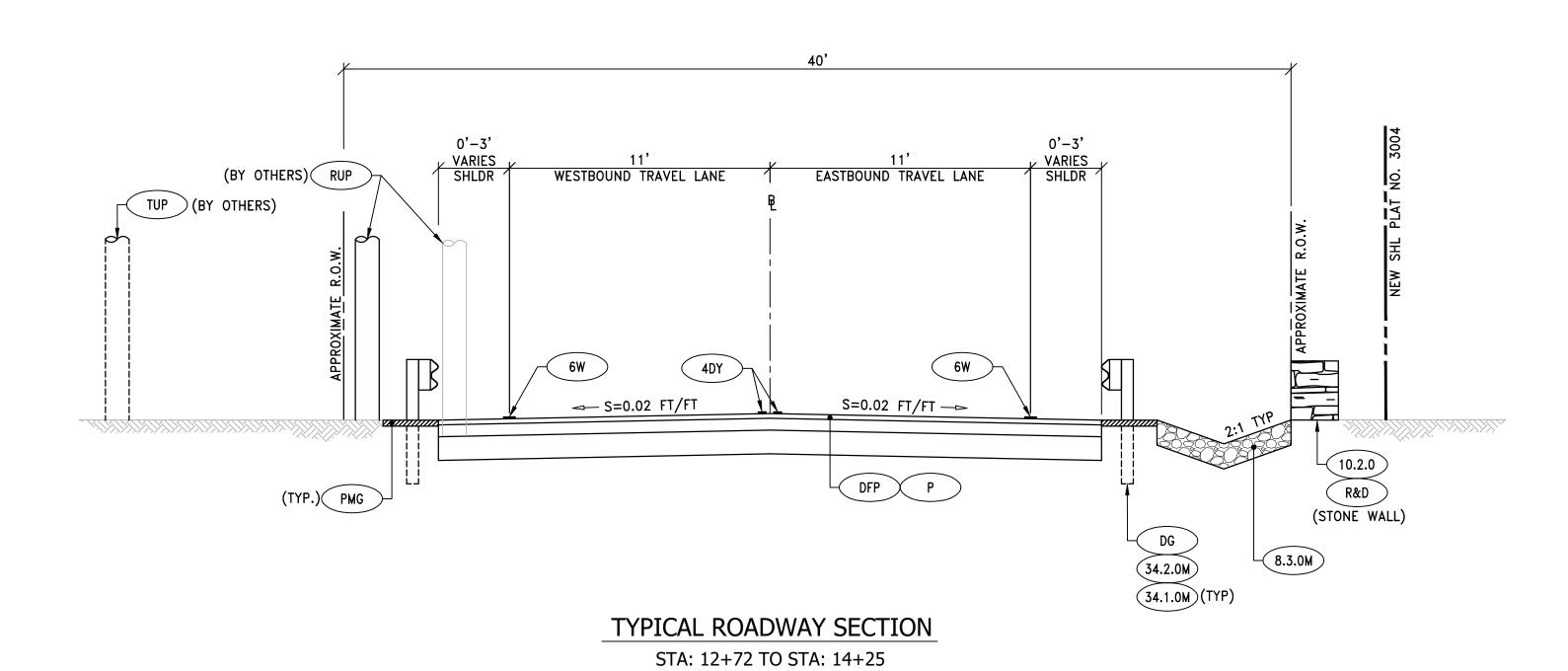


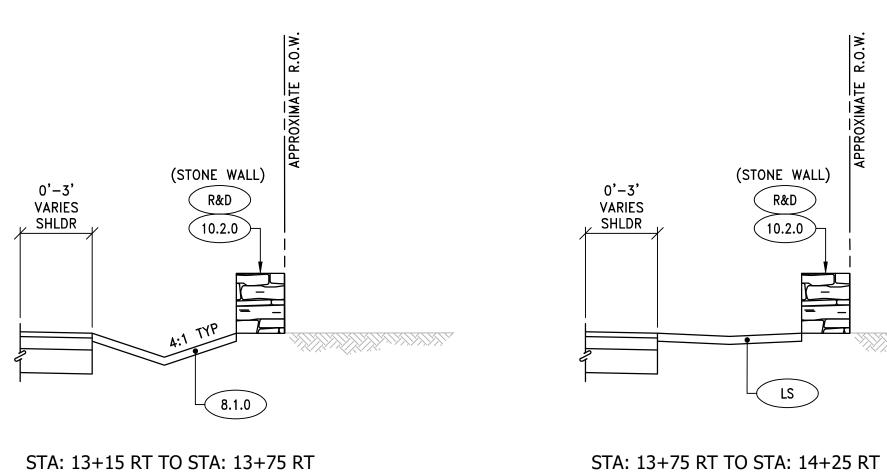


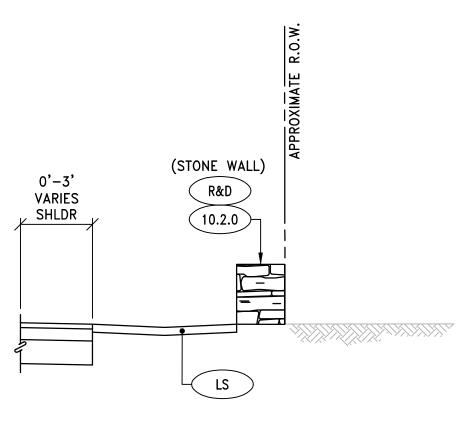
### PAVEMENT STUCTURE:

"STEEL BEAM SINGLE FACE R.I. STD. 34.2.0M (MASH TL-3) (MODIFIED)" (SEE DETAILS)

P FULL DEPTH RECONSTRUCTION - ROADWAY 2" MODIFIED CLASS 12.5 HMA 5" CLASS 19.0 HMA









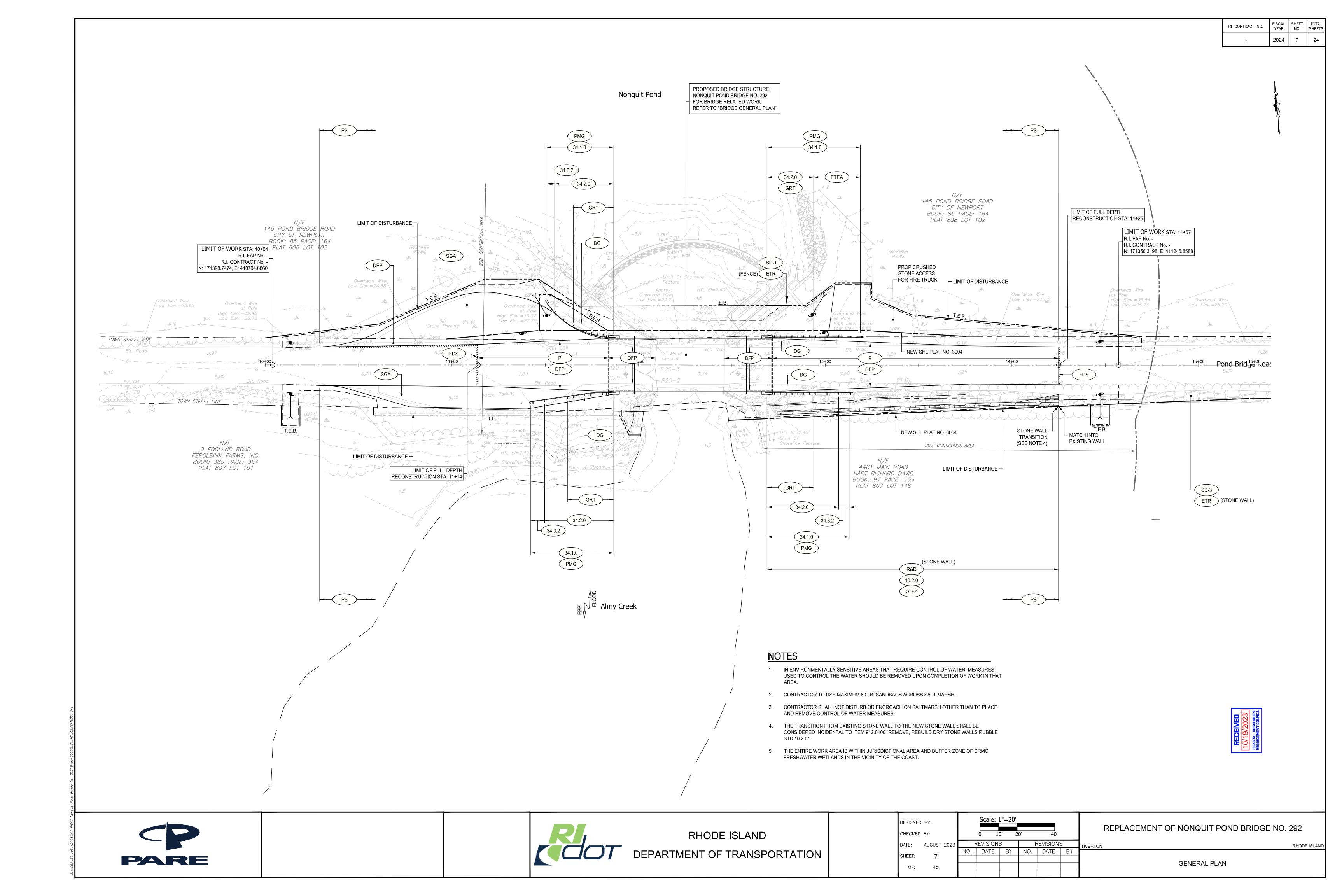


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

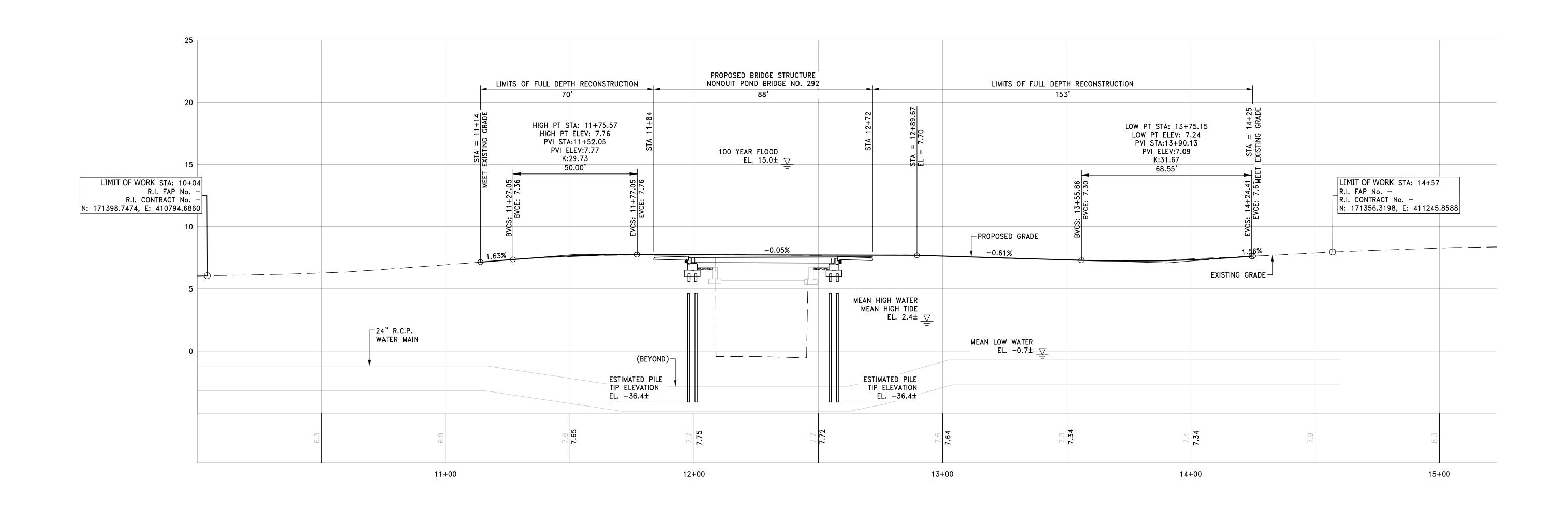
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REPLACEMENT OF NONQUIT POND BRIDGE NO. 292 RHODE ISLAND

TYPICAL SECTION OF:



CONTRACT NO.	FISCAL	SHEET	TOTAL	
	YEAR	NO.	SHEETS	
-	2024	8	24	









RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

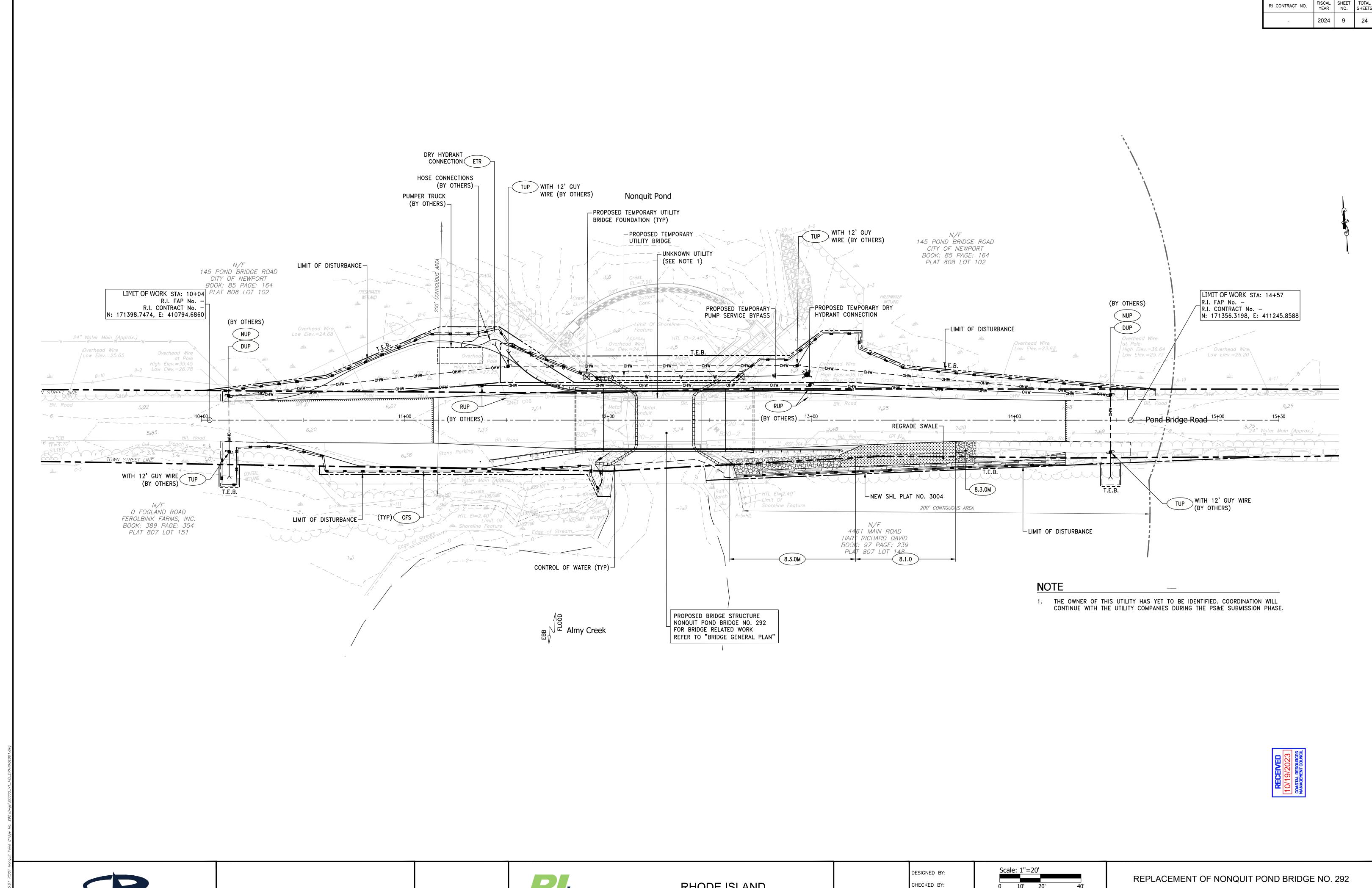
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OF: 24

REPLACEMENT OF NONQUIT POND BRIDGE NO. 292

RHODE ISLAND

ROADWAY PROFILE







RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED	BY:		Scale: 1"=20'						
CHECKED	BY:			0 1	0' 2	<u>2</u> 0'	40'		
DATE:	AUGUST	2023	REVISIONS			REVISIONS			ΤI\
SHEET:	9		NO.	DATE	BY	NO.	DATE	BY	

OF: 24

RHODE ISLAND

DRAINAGE AND UTILITY