



State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387

ADDENDUM #1

RFQ# 7598853 TITLE: DOT CONTRACT 2019-CM-063 CHERRY HILL ROAD
STORMWATER IMPROVEMENTS

SUBMISSION DEADLINE: 07/12/2019 at 1:00 PM

The following items are included in this addendum:

1. Changes in plans: refer to the attached documents

Alyssa Ward

Alyssa Ward
Buyer I

June 24, 2019

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7598853

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2019-CM-063

FEDERAL-AID PROJECT NO. FAP No.: RI-DAII(001)

**Cherry Hill Stormwater Quality Improvements
Lower Woonasquatucket River/Assapumpset Brook Watershed R-01**

TOWN OF Johnston
COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, and Appendix for this contract. These changes shall be incorporated in the Plans, Specifications, and Appendix, and shall become an integral part of the Contract Documents.

A. Contract Documents

Delete Contract Documents in their entirety and replace it with revised Contract Documents attached to this Addendum No. 1. The Cover sheet and TMP have been signed. Additionally, pdf links have been updated and corrected.

ADDENDUM NO. 1


6.24.2019
RI Department of Transportation
Manager, Project Management
Office of Stormwater Management

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO. 2019-CM-063
FEDERAL-AID PROJECT NUMBER RI-DAII(001)
SOLICITATION NO. 7598853

CHERRY HILL STORMWATER QUALITY
IMPROVEMENTS
LOWER WOONASQUATUCKET RIVER /
ASSAPUMPSET BROOK WATERSHED R-01

Town of Johnston
County of Providence
Rhode Island

CONTRACT SPECIFIC DOCUMENTS

General Provisions - Contract Specific
Specifications – Job Specific
Plans
Appendices

Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

GENERAL PROVISIONS – CONTRACT SPECIFIC

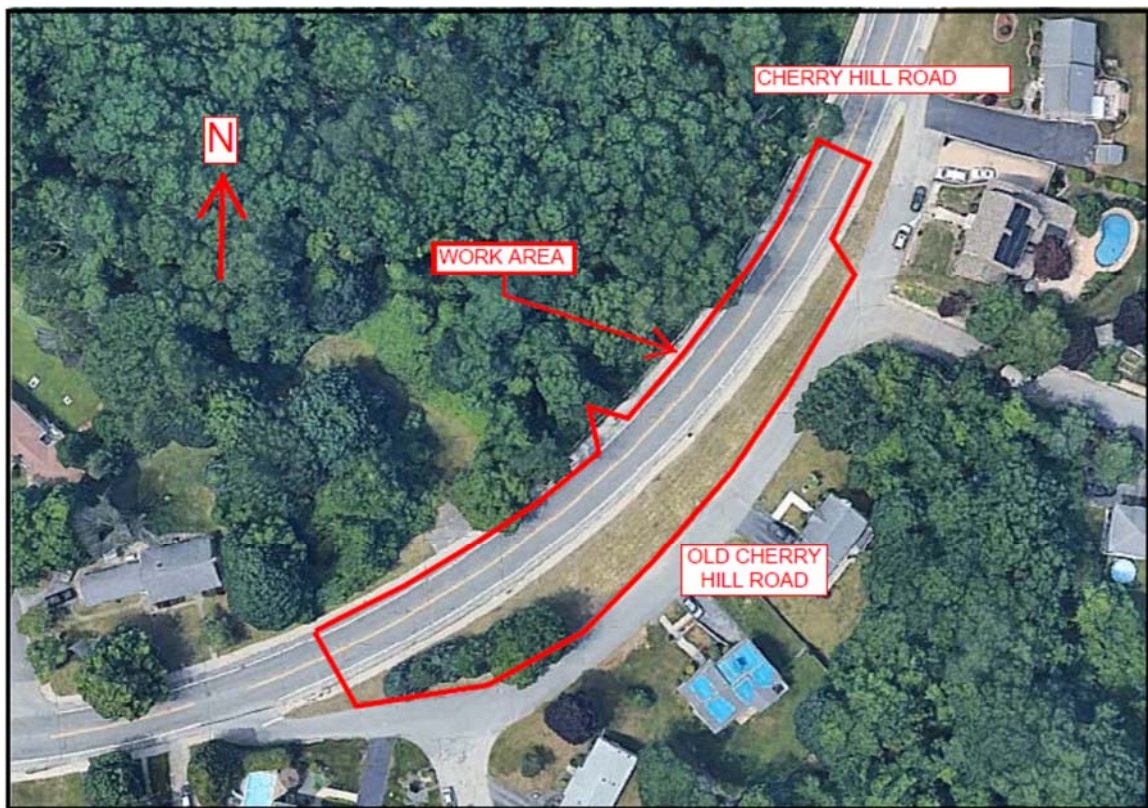
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GENERAL PROVISIONS - CONTRACT SPECIFIC

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1. BRIEF SCOPE OF WORK

Rhode Island Contract No. 2019-CM-063, Federal Aid Project No. RI-DAII(001) is for the construction of Cherry Hill Stormwater Quality Improvements Lower Woonasquatucket River/Assapumpset Brook Watershed R-01. This work involves best management practices (BMP's) to treat storm water runoff from Cherry Hill Road in Johnston, Rhode Island. The BMP's will be located in grass area between Cherry Hill Road and Old Cherry Hill Road. Also included will be drainage structures, micromilling and paving, landscaping, maintenance and protection of traffic, signage, clearing, erosion controls and other incidentals, complete and accepted.

2. PROJECT LOCATION MAP



3. UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION

Existing utilities have been shown on the Plans using the best available information. The Contractor shall check and verify the location of all existing utilities both underground and overhead in accordance with the “Dig Safe Program Law” enacted by the Rhode Island Legislation Bill No. 79S-291, which became effective July 1, 1979. The Contractor should be aware that not all utility companies subscribe to the Dig Safe Program. It is the Contractor’s responsibility to ensure that all utility companies have been notified and all utilities have been marked prior to commencing their work. Any damage to existing utilities shall be replaced or repaired to the satisfaction of the Engineer at no additional cost to the State.

The Contractor shall schedule his construction so as to allow for a coordinated highway and utility effort. Upon award, the Contractor shall notify the lead utility relative to his anticipated highway construction start date. Immediately following the Pre-construction Conference, the Contractor shall initiate survey layout required for utilities.

It is required that the Contractor notify each utility company no less than two (2) weeks in advance of any work near the existing utility facilities to remain. National Grid (gas), requires six (6) weeks advance notice.

The applicable utility/municipality representatives are as follows:

<u>Utility/Municipality</u>	<u>Contact</u>	<u>Phone Number</u>
National Grid – Gas	James Paulette	401-787-7248
Public Works, Johnston	Arnold Vecchione Director	401-231-4001
Fire Dept., Johnston	Peter J. Lamb Chief	401-351-1600
Police Dept., Johnston	Richard S. Tamburini Chief	401-231-4210

The following utility involvement is anticipated.

<u>Utility</u>	<u>Utility Working Time</u>
National Grid – Gas	5 days

Work times are based on eight hour days.

4. LIST OF CONTRACT DOCUMENTS

The following documents are included

General Provisions - Contract Specific
Specifications – Job Specific
Plans

Appendices

Appendix A – Transportation Management Plan (TMP)
Appendix B – Stormwater Pollution Prevention Plan (SWPPP)
Appendix C – Site Soil Evaluations
Appendix D – Federal Wage Rates
Appendix E – Bid Form
Appendix F – Required Forms

5. GENERAL CONTRACT REQUIREMENTS & PAYMENT

- All work shall be in accordance with the latest relevant provisions of the **Rhode Island Standard Specifications for Road and Bridge Construction** unless noted otherwise within these Contract Documents.
- **All RIDOT Standard Specifications, latest Compilations, and Material Testing requirements apply to this contract.** However, the only submittals required for this Contract shall be specified in the Shop Drawings and Submittals section contained within these Contract Documents.
- A bid bond is required for this contract. However, the low bidder is required to secure a payment and performance bond if the contract dollar amount is greater than \$50,000.00.
- Latest Federal Wage rates shall apply. See Appendix.
- Subcontractor agreements must be submitted and accepted by the Department.
- All work associated with this contract is "Lump Sum" as listed in Appendix E - Bid Form. Any item of work not explicitly stated within the contract documents, but required to complete the work for this contract will be considered part of the "Lump Sum" bid price.
- Progress payments at regular intervals will not be required. Payment will be made when all work is complete. The State will hold 10% of the Lump Sum item until Final Acceptance. A 5% retainage will not be held.

6. GENERAL CONSTRUCTION REQUIREMENTS

Below is a list of general construction requirements for this project. It is noted this list is intended to be a brief summary of general requirements for this specific project:

- All construction layout, survey, and field measurements required for the successful repair operations as shown on the plans will be incidental to this Contract.
- The Contractor shall provide dewatering operations, as required. No additional payment will be made for material, equipment, labor or incidentals necessary to perform dewatering operations.
- No additional payment will be made for material, equipment, labor or incidentals necessary to perform work during cold or inclement weather. Any costs associated with cold or inclement weather work will be considered incidental to this Contract.
- Any clearing, snow removal, site preparation, and removal of hazardous debris/material required for access shall be considered incidental to the Lump Sum.

7. HOURS OF CONSTRUCTION

Normal construction activity shall be as follows:

- Weekdays 9 am – 3 pm
- No work on weekends
- No work on holidays

Work outside these periods will be permitted only on an emergency basis and only with the approval of the RIDOT.

8. WEATHER

It is the Contractor's responsibility to monitor local weather reports during construction and prior to scheduling earth moving or other construction activities, which will leave large disturbed areas unstabilized. If inclement weather is predicted, the Contractor shall use their best professional judgment and schedule construction

activities only if quality workmanship can be provided. Any work completed during inclement weather, which is deemed unacceptable by the Engineer and/or RIDOT shall be repaired/replaced by the Contractor at no expense to the Owner.

9. EROSION CONTROL

The Contractor shall be responsible for insuring the all the necessary erosion control devices are installed, maintained and functioning properly, per the Stormwater Pollution Prevention Plan, to minimize erosion from any impending weather events for the entirety of the construction period as described in the drawings and specifications.

10. ORDER TO SUSPEND WORK

If the RIDOT considers that any portion of the work should be suspended temporarily because of extreme weather conditions or for any other reason, he/she shall order, in writing, the Contractor to suspend work until conditions permit its resumption at no expense to the Owner.

11. COMPLETION DATE

- The contractor shall abide by the RIDOT planting calendar. The RIDOT typically suspends winter work from December 15th – April 15th.
- Anticipated Substantial Completion (including all planting and seeding): **Friday, October 18, 2019**

12. UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION

The Contractor shall coordinate with all applicable utility companies to provide adequate protection of their facilities. Any shielding, protection, or inspection required shall be considered incidental to the Lump Sum Bid. In addition, the Contractor shall coordinate with all local municipalities as required.

Utilities within the project limits include but are not limited to:

- Overhead Lighting, Electric, Telephone, and Cable TV
- Underground Electric
- Gas (Force Account in place)
- Water

13. TRAFFIC RESTRICTIONS

All work shall be completed in accordance with the Maintenance and Protection of Traffic Plans provided in the Bid Documents.

Lane and shoulder closure duration shall be minimized, and shall only occur when work is taking place in said lane or shoulder.

14. POLICE COMPENSATION

It is the responsibility of the RIDOT to retain the services of the State and Local Police details for this project. Coordination will be the responsibility of the RIDOT Resident Engineer assigned to the project. The contractor will not be required to bid on, or compensate for, the service of State and Local Police.

15. DBE/MBE AND TRAINEE GOAL

The DBE/MBE and trainee goals for this project are as follows:

- DBE/MBE: 10% of contract bid price
- Trainee Hours: 0 hours

16. PRE-BID CONFERENCE

There will be no pre-bid conference for this project.

17. SHOP DRAWINGS AND SUBMITTALS

The following shall be submitted for review and approval:

- a. Drainage Structures
- b. Ductile Iron pipe
- c. Bioretention Sand
- d. Seed Mixes

18. PRE-CONSTRUCTION MEETING

A pre-construction meeting to review the scope of work, Drawings and Specifications will be conducted by the Contractor, Subcontractors, and Engineer prior to construction.

- Representatives of the following shall be required to attend this conference:
 - RIDOT Representative
 - Contractor
 - Consultant

SPECIFICATIONS – JOB SPECIFIC

INDEX
SPECIFICATIONS – JOB SPECIFIC

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
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108.1000	Prosecution and Progress	JS-2
209.9901	Inlet Sediment Control Device	JS-3
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937.1000	Maintenance and Movement of Traffic Protection Devices	JS-7
938.1000	Price Adjustments	JS-8

Replace **Subsection 108.01; Subletting of Contract**, page 1-56 of the Standard Specifications for Road and Bridge Construction (Amended 2013) in its entirety with the following.

SECTION 108

PROSECUTION AND PROGRESS

108.01 SUBLETTING OF CONTRACT. The Contractor shall not sublet, sell, transfer, assign, or otherwise dispose of the Contract or any portion thereof, or of its right, title, or interest therein, without written consent of the Engineer. If the Engineer gives such consent, the Contractor will only be permitted to sublet a portion thereof. The Contractor shall perform with its own organization work amounting to not less than 40 percent of the adjusted contract cost. The adjusted contract cost is the total contract cost less the total cost of subcontract specialty items listed in the Proposal. Specialty Items are defined in **Subsection 101.63**.

No subcontracts or transfers of Contract shall relieve the Contractor of liability under the Contract and Bonds. A copy of written agreements with subcontractors must be submitted when making application to sublet any work under the Contract. The Contractor shall not require or withhold retainage from subcontractors. Furthermore, no agreements between the Contractor and its subcontractors or vendors shall create any "third party" relationships between said subcontractors or vendors and the State.

The Contractor shall provide written notice to, and obtain prior written consent from the Engineer, before allowing any subcontractor to sublet any portion of its work to a lower-tier contractor.

CODE 108.1000

PROSECUTION AND PROGRESS

In accordance with **Section 12.108.08, Failure to Complete on Time, Para. a., Phased and Interim Completion** the following defines the Phase and Interim Completion Dates and Associated Liquidated Damages:

Substantial Completion: October 18, 2019

All work shall be completed, as defined by Section 101.71.

Liquidated Damages: \$1,200 per calendar day.

CODE 209.9901
INLET SEDIMENT CONTROL DEVICE

DESCRIPTION: This work shall consist of the furnishing, installation, maintenance and removal of an inlet sediment control device to be installed in drainage structures for the protection of wetlands and other resource areas and the prevention of silt and sediment from the construction site from entering the storm water collection system and shall conform to Section 209 of the Rhode Island Standard Specifications for Road and Bridge Construction, Amended 2013, and all revisions. Devices shall be ACF Environmental (800)-448-3636; Complete Environmental Products, Inc. (800)-444-4237; Ultra Tech International (800)-764-9563; or approved equal.

CONSTRUCTION METHODS: Filter bag for catch basins shall be installed in all catch basins and drop inlets within the project limits as shown on the plans and/or as directed by the Engineer.

The filter bag for catch basins shall be as manufactured to fit the opening of the drainage structure under regular flow conditions.

Catch Basin inserts shall be a reusable sediment control device utilized during construction that mounts under the grate in catch basins, made of a permeable geotextile fabric that allows water to pass but prevents silts and sediment from entering the drainage system. The insert shall be secured from the surface such that the grate can be removed without the insert discharging into the structure.

The filter material shall be installed and maintained in accordance with the manufacturer's written literature and as directed by the Engineer.

Filter bag shall remain in place until the placement of the pavement or top course and the graded areas have become permanently stabilized by vegetative growth. All materials used for the filter fabric will become the property of the Contractor and shall be removed from the site and disposed of legally. The Contractor shall inspect the condition of filter bags after each rainstorm and during major rain events in accordance with the Stormwater Pollution Prevention Plan. When emptying the insert, the contractor shall take all due care to prevent sediment from entering the structure. Any silt or other debris found in the drainage system at the end of construction shall be removed at the Contractors expense. The silt and sediment from the insert shall be legally disposed of off site. Under no condition shall silt and sediment from the insert be deposited on site and used in construction. All curb openings shall be blocked to prevent storm water from bypassing the device.

Filter bags, which become damaged during construction operations, shall be repaired or replaced immediately at no additional cost to the State.

METHODS OF MEASUREMENT: This item will not be measured separately for payment.

BASIS OF PAYMENT: Payment for “Inlet Sediment Control Device” will be included in Lump Sum Price for all work as listed in Appendix F – Bid Form, and shall include all labor, materials, equipment including installation, subsequent removal of the filter bags and all other incidentals required to complete the work, complete in place and accepted by the Engineer.

The cleaning and maintenance of Filter Bag for Catch Basin shall conform to **Section 212; Maintenance and Cleaning of Erosion and Pollution Controls.**

CODE 304.9901

BIORETENTION SAND

DESCRIPTION: This work shall consist of providing a bioretention soil mixture to close conformity with the lines and grades as indicated on the plans, all in accordance with these Specifications.

MATERIALS: The bioretention soil mixture (BSM) shall consist of a mixture of planting, soil, mulch and sand consisting of planting soil (30%), shredded 2X Harwood mulch (20%), and sand (50%) ASTM C33 fine aggregate.

The USDA textural classification of the planting soil for the BSM shall be loamy sand or sandy loam. The planting soil shall be salvaged or furnished. Additionally, the planting soil shall be tested and meet the following criteria:

<u>ITEM</u>	<u>PERCENT BY WEIGHT</u>	<u>TEST METHOD</u>
Sand (2.0 - 0.050 mm)	50 - 85%	AASHTO T88
Silt (0.050 - 0.002)	0 - 50%	AASHTO T88
Clay (Less than 0.002 mm)	10 - 20%	AASHTO T88
Organic Matter	1.5 - 10%	AASHTO T194

The textural analysis for the planting soil shall be as follows:

<u>ASTM E11 SIEVE SIZE</u>	<u>MINIMUM % PASSING BY WEIGHT</u>
2 in.	100
No. 4	90
No. 10	80

The erosion control fabric shall be Landlok 300 or approved equal.

CONSTRUCTION METHODS: At least 15 days prior to the start of construction bioretention facilities, the Contractor shall submit the source of the planting soil for the BSM to the Engineer for approval. No time extensions will be granted should the proposed planting soil fail to meet the minimum requirements stated above. Once a stockpile of the planting soil has been sampled, no material shall be added to the stockpile.

The bioretention soil mixture (BSM) shall be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches excluding mulch. No other materials or substances shall be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations.

The bioretention soil mixture shall be tested and shall meet the following criteria:

<u>ITEM</u>	<u>CRITERIA</u>
Corrected PH	5.5 - 7.5
Magnesium Minimum	32 PPM
Phosphorous (Phosphate - P ₂ O ₅)	Not to exceed 69 PPM
Potassium (K ₂ O) Minimum	78 PPM
Soluble Salts	Not to exceed 500 PPM

Should the PH fall outside of the acceptable range, it may be modified with lime (to raise) or iron sulfate plus sulfur (to lower). The lime or iron sulfate must be mixed uniformly into the BSM prior to use in the bioretention facilities. Should the BSM not meet the minimum requirement for magnesium, it may be modified with magnesium sulfate. Likewise, should the BSM not meet the minimum requirement for potassium, it may be modified with potash. Magnesium sulfate and potash must be mixed uniformly into the BSM prior to use in the bioretention facilities.

Planting soil and/or BSM that fails to meet the minimum requirements shall be replaced at no additional cost. Mixing of the corrective additives to the BSM is incidental and shall be at no additional cost.

]

Mixing of the BSM to a homogeneous consistency shall be done to the satisfaction of the Engineer.

An independent laboratory shall perform the testing on the soil mixture to verify the material criteria have been met. The Contractor shall submit the test results to RIDOT for approval.

METHODS OF MEASUREMENT: This item will not be measured separately for payment.

BASIS OF PAYMENT: Payment for “Bioretention Sand” will be included in Lump Sum Price for all work as listed in Appendix F – Bid Form, and shall include all labor, materials and equipment, corrective additives, erosion control fabric, trimming and fine grading, all laboratory and testing costs and all other incidentals required to finish the work, complete and accepted by the Engineer.

CODE 937.1000

MAINTENANCE AND MOVEMENT OF TRAFFIC PROTECTIVE DEVICES

DESCRIPTION.

Subsection 937.05.2; Failure to Comply, part a. Maintenance, of the Standard Specifications, requires that a daily charge be deducted from monies due the Contractor for failure to adequately and safely maintain traffic control devices along any portion of the project.

The charge for this Contract will be \$1000.00 per day.

Subsection 937.05.2; Failure to Comply, part b. Movement, of the Standard Specifications, requires that an appropriate charge be deducted from monies due the Contractor for failure to remove and/or relocate traffic control devices for compliance with the traffic-related work restrictions included in the Transportation Management Plan or to otherwise meet changes in traffic conditions, construction operations, or other conditions affecting the safety and/or mobility of the traveling public.

Failure to comply with this requirement will result in a charge of \$2,000.00 per half hour per lane (paved shoulders will be counted as lanes) per direction of travel for all project roadways.

CODE 938.1000

PRICE ADJUSTMENTS

DESCRIPTION:

a. Liquid Asphalt Cement.* The Base Price of Liquid Asphalt Cement as required to implement **Subsection 938.03.1** of the Standard Specifications is \$ 547.50 per ton.

* In the case of modified asphalt binder, this price adjustment provision shall only apply to the neat liquid asphalt component. This provision shall not apply to the modifier component, manufacture, storage, transportation or other associated costs.

b. Diesel Fuel. The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the Standard Specifications is \$ 2.2481 per gallon.

The Base Prices listed above were determined by RIDOT as being effective on May 6, 2019.

PLANS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			1	11

INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3	STANDARD NOTES - 1
4	STANDARD NOTES - 2
5	JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES
6	EXISTING CONDITIONS PLAN
7	DRAINAGE & UTILITY PLAN
8	MISCELLANEOUS DETAILS
9 & 10	MAINTENANCE & PROTECTION OF TRAFFIC DETAILS 1 & 2
11	LANDSCAPE PLAN

STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY

CHERRY HILL STORMWATER QUALITY
IMPROVEMENTS LOWER WOONASQUATUCKET
RIVER / ASSAPUMPSET BROOK WATERSHED R-01

TOWN OF JOHNSTON
COUNTY OF PROVIDENCE

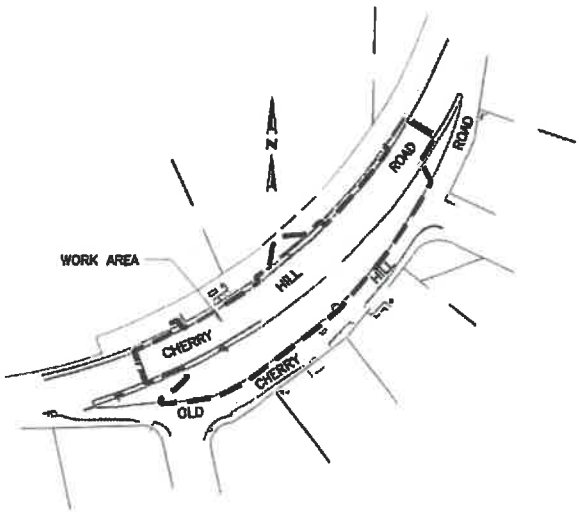
R.I. CONTRACT NO. 2019-CM-063 F.A. PROJECT NO. RI-DAII(001)



LOCATION MAP
SCALE: 1" = 1 MILE

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013, WITH ALL REVISIONS, AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



KEY PLAN
SCALE: 1" = 100'

BASE OF LEVELS
Vertical Datum - NAVD 88



Contract Number 2019-CM-063
Number of Sheet 1
Total Sheets 11

R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED <i>David W. Fisher</i> ADMINISTRATOR, PROJECT MANAGEMENT	DATE <u>6-6-19</u>
APPROVED <i>Robert P. ...</i> CHIEF ENGINEER OF INFRASTRUCTURE	DATE <u>6-3-19</u>
APPROVED <i>[Signature]</i> DIRECTOR	DATE <u>6/18/19</u>
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

			FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				RI			2	11

EXISTING

NEW

EDGE OF PAVEMENT

BERM

CURB

GUARDRAIL

MAILBOX

UTILITY POLE

POLE GUY

LUMINARE

SIGN

SUBDRAIN

STORMDRAIN

SANITARY SEWER

WATER MAIN

GAS MAIN

TELEPHONE DUCT

ELECTRIC DUCT

PLUG AND CAP PIPE

ABANDONED UTILITY

FLARED END SECTION

HEADWALL

WATER OR GAS GATE

CATCH BASIN

MANHOLE

HYDRANT

BASELINE OR CENTERLINE

STATE HIGHWAY LINE

STATE FREEWAY LINE

PERMANENT EASEMENT LINE

TEMPORARY EASEMENT LINE

PROPERTY LINE

CITY OR TOWN LINE

PAVED WATERWAY

CONTOUR LINE

OPEN DITCH

R.I. HIGHWAY BOUND

STONE BOUND

RETAINING WALL

FIELD STONE WALL

BORINGS

FENCE

WOOD OR BRUSH LINE

TREES

RIVER OR STREAM

WETLAND AREA

BUILDING

FOUNDATION

BUILDING TO BE REMOVED

RAILROAD TRACKS

CUT AND MATCH

RIP-RAP

CUT SLOPE

FILL SLOPE

ROCK CUT

SPOT GRADE

AREA GRADED TO DRAIN

BALED HAY RI STD. 9.1.0

BALED HAY & SILT FENCE RI STD. 9.3.0

EDGE OF WETLAND

WETLAND PERIMETER

AREA SUBJECT TO STORM FLOW

100-YEAR FLOOD PLAIN

LIMIT OF DISTURBANCE

LIMIT OF CLEARING

UNDERDRAIN

CONCRETE CONNECTING COLLAR

CONCRETE HEADWALLS FOR PIPE CULVERTS

STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS

PRECAST CONCRETE FLARED END SECTION

BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE

BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE

BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN

BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN

SOLID BLOCK FLUSH SQUARE CATCH BASIN

BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN

BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET

BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN

BRICK/SOLID BLOCK TYPE "R" CATCH BASIN

SOLID BLOCK FLUSH ROUND CATCH BASIN

BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN

SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN

SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN

BRICK/SOLID BLOCK DROP INLET

BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"

PRECAST 4'-0" ROUND MANHOLE

PRECAST 5'-0" ROUND MANHOLE

PRECAST 6'-0" ROUND MANHOLE

PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN

PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN

PRECAST CONCRETE DROP INLET

PRECAST CONCRETE DROP INLET LATERAL OUTLET

PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET

CATCH BASIN AND MANHOLE STEP

CONCRETE COLLARS

LIGHT-DUTY SQUARE FRAME AND ROUND COVER

HEAVY DUTY SQUARE FRAME AND ROUND COVER

LIGHT-DUTY ROUND FRAME AND COVER

HEAVY-DUTY ROUND FRAME AND COVER

SQUARE FRAME AND GRATE

SQUARE FRAME AND GRATE

SQUARE FRAME AND GRATE (BICYCLE SAFE)

HIGH CAPACITY FRAME AND GRATE

HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)

ROUND FRAME AND GRATE

PRECAST CONCRETE CURB (STRAIGHT)

PRECAST CONCRETE CURB (CIRCULAR)

3'-0' PRECAST CONCRETE TRANSITION CURB

6'-0" PRECAST CONCRETE TRANSITION CURB

PRECAST 2'-0" RADIUS CORNER

PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)

PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)

PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)

PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)

PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)

PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)

PRECAST CONCRETE SLOPED FACE TRANSITION CURB

PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SPLOPED FACE)

GRANITE CURB (STRAIGHT)

GRANITE CURB (CIRCULAR)

3'-0" GRANITE TRANSITION CURB

6'-0" GRANITE TRANSITION CURB

GRANITE WHEELCHAIR RAMP TRANSITION CURB

GRANITE 2'-0" RADIUS CORNER

GRANITE INLET STONE (FOR SQUARE CATCH BASIN)

GRANITE INLET STONE (FOR ROUND CATCH BASIN)

GRANITE APRON STONE (FOR SQUARE CATCH BASIN)

GRANITE APRON STONE (FOR ROUND CATCH BASIN)

GRANITE SLOPED FACE CURB

GRANITE SLOPED FACE TRANSITION CURB

GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)

BITUMINOUS CONCRETE LIP CURB

BITUMINOUS BERM (CONSTRUCTION METHOD A)

BITUMINOUS BERM (CONSTRUCTION METHOD B)

CURB SETTING DETAIL

BITUMINOUS CONCRETE DITCH

RIP-RAP DITCH

PAVED WATERWAY

BALED HAY EROSION CHECK

SILT FENCE DETAIL

BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED

BALED HAY DITCH AND SWALE EROSION CHECK

LOG AND HAY CHECK DAM

DEWATERING BASIN

BALED HAY CATCH BASIN INLET PROTECTION

CONSTRUCTION ACCESS

WET STONE MASONRY RETAINING WALL

RUBBLE MASONRY WALL

CONCRETE RETAINING WALL

STONE MASONRY STEPS

CONCRETE HIGHWAY BOUND

POST AND MOUNTINGS FOR RURAL MAILBOX

POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES

PRECAST TYPE "A" HANDHOLE

HEAVY DUTY TYPE "H" HANDHOLE

ALUMINUM LIGHTING STANDARDS

BI-DIRECTIONAL CONTROL DEVICE

STREET SIGN MOUNTING DETAIL

POLYETHYLENE DRUM WITH MARKINGS

PVC PLASTIC PIPE TYPE III BARRICADE

CHAIN LINK FENCE 3'-0" TO 4'-0"

CHAIN LINK FENCE 5'-0" TO 6'-0"

CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST

WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)

TYPICAL GUARDRAIL INSTALLATION

STEEL BEAM GUARDRAIL

STEEL BEAM GUARDRAIL DETAILS

STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY

STEEL BEAM GUARDRAIL FIXTURES

STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR

GUARDRAIL END SECTION

TERMINAL END SECTION (SINGLE FACE)

ANCHORAGE DETAILS APPROACH END SECTION

ANCHORAGE DETAILS TRAILING END SECTION

STEEL BACKED TIMBER GUARDRAIL

STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1

DOUBLE-FACED PRECAST MEDIAN BARRIER

SINGLE-FACED PRECAST MEDIAN BARRIER

SINGLE-FACED PRECAST MEDIAN BARRIER

PRECAST MEDIAN BARRIER TRANSITION UNIT

PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL

CEMENT CONCRETE SIDEWALK

BITUMINOUS CONCRETE SIDEWALK

WHEELCHAIR RAMP

WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS

DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB

DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB

CEMENT CONCRETE DRIVEWAYS

DETECTABLE WARNING SYSTEM

TREE PROTECTION DEVICE

DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES

SHRUB PROTECTION DEVICE

TREE WELL

TREE WALL

ADJUST CATCH BASIN TO GRADE

ADJUST CATCH BASIN TO MANHOLE

ADJUST CURB STOP TO GRADE

ADJUST DRAINAGE MANHOLE TO GRADE

ADJUST ELECTRIC MANHOLE TO GRADE

ADJUST FRAME AND COVER TO GRADE

ADJUST FRAME AND GRATE TO GRADE

ADJUST GAS GATE BOX TO GRADE

ADJUST HANDHOLE TO GRADE

ADJUST SANITARY SEWER MANHOLE TO GRADE

ADJUST TELEPHONE MANHOLE TO GRADE

ADJUST WATER GATE BOX TO GRADE

BITUMINOUS CONCRETE DRIVEWAY

3" BITUMINOUS CONCRETE TYPE I-2

8" GRAVEL BORROW SUBBASE COURSE

BUILD NEW STRUCTURE OVER EXISTING PIPE

CLEAN CATCH BASIN

CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)

CLEAN AND FLUSH PIPE

CLEARING AND GRUBBING

CLEAN MANHOLE

COLD PLANE

CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)

REMOVE AND DISPOSE BITUMINOUS CURB

REMOVE AND DISPOSE CONCRETE CURB

REMOVE AND DISPOSE CATCH BASIN

REMOVE AND DISPOSE DROP INLET

REMOVE AND DISPOSE FENCE

REMOVE AND DISPOSE FRAME AND COVER

REMOVE AND DISPOSE FLARED END SECTION

REMOVE AND DISPOSE FRAME AND GRATE

REMOVE AND DISPOSE FIRE HYDRANT

REMOVE AND DISPOSE FLEXIBLE PAVEMENT

REMOVE AND DISPOSE GUARDRAIL

REMOVE AND DISPOSE HEADWALL

REMOVE AND DISPOSE HIGHWAY BOUND

REMOVE AND DISPOSE HANDHOLE

REMOVE AND DISPOSE LIGHT AND FOUNDATION

REMOVE AND DISPOSE MEDIAN BARRIER

REMOVE AND DISPOSE MANHOLE

REMOVE AND DISPOSE MEDIAN MARKER

REMOVE AND DISPOSE OBSERVATION WELL

REMOVE AND DISPOSE PIPE

REMOVE AND DISPOSE PAVEMENT AND RIGID BASE

REMOVE AND DISPOSE RIGID BASE

REMOVE AND DISPOSE SIGN

REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM

REMOVE AND DISPOSE SIDEWALK

REMOVE AND DISPOSE TELEPHONE DUCT BANKS

REMOVE AND DISPOSE UTILITY POLE

REMOVE AND DISPOSE PAVED WATERWAY

FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT

FLARED GUARDRAIL END TREATMENT

IMPACT ATTENUATOR

IMPERVIOUS DITCH LINER

LIMIT OF DISTURBANCE

LIMIT OF REGRADING

4" LOAM AND SEED

NFH

NIC

NWB

NWVB

NWCB

NWSB

PCD

PS

RCB

RCM

RHH

RLP

RMB

RPM

RRP

RRS

RUP

SB

SBAE

SBTE

SD-

SF

SGA

SGC

SGR

SH

SS

STS

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			3	11

GENERAL NOTES:

- 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.
- 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.
- 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.
- ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 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."
- 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.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- 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.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
- PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
- 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 STATE.
- 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.
- 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.
- 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.
- 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.
- 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).
- 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).
- 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.
- 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:

- 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 RIDPES 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).
- 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.
- 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.
- 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.
- 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.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - SEEDING TYPE I.
 - ADHESIVE MULCH STABILIZER
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- 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 AUTHORIZATION.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- 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.
- 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 ENCR OACH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- 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.
- 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.
- 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):


- 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 RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- 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.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- 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:

- 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.
- 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.
- ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

THIS PLAN SHALL NOT BE ALTERED

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	4/07	TRB		
2	3/10	RBH		
3	4/14	MLP	CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			STANDARD NOTES - 1	
			CHECKED BY _____ DATE _____ SCALE NO. SCALE	



Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI.			4	11

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 BOLTS 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 ASSIGNMENT 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-PLANNED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

THIS PLAN SHALL NOT BE ALTERED

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
1	4/07	TRB	
2	11/07	TRB	
3	3/10	RBH	
			CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAUMPSET BROOK WATERSHED R-01 JOHNSTON, RHODE ISLAND
			STANDARD NOTES - 2
CHECKED BY _____ DATE _____ SCALE <u>NO</u> SCALE			

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			5	11

JOB SPECIFIC LEGEND

- CFS

8" DIA. COMPOST FILTER SOCK
- CLSM

CONTROLLED LOW STRENGTH MATERIAL
- CM

CUT AND MATCH ASPHALT
- IP

INLET PROTECTION
- MM

MICRO MILLING (DEPTH)
- RD

REMOVE & DISPOSE (ITEM)
- RR

REMOVE & RESET (ITEM)
- 7.2.3

PRECAST CONCRETE LOT CURB
- A

2" CLASS 9.5 HMA
- B

6" CLASS 12.5 HMA FOR PATCHING

EROSION AND SEDIMENT CONTROL NOTES:

1. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE EMPLOYED ON THE PROJECT ARE INDICATED ON THE PLANS. CONTROL MEASURES SHALL BE FURNISHED, INSTALLED, MAINTAINED FOR THE DURATION OF CONSTRUCTION, AND SUBSEQUENTLY REMOVED, ALL IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS, THE LATEST EDITION AND REVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
2. ALL CLEARING, GRADING AND EARTHWORK ACTIVITIES SHALL REMAIN STRICTLY WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE RESTRICTED TO ACTIVITIES NECESSARY FOR COMPLETION OF THE WORK. THE CONTRACTOR SHALL ENSURE THAT ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE REMAIN UNDISTURBED AND PROTECTED FROM CONSTRUCTION IMPACTS.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE RI SOILS HANDBOOK WITH THE RIDOT STANDARD SPECIFICATIONS AND THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
4. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT LOCATIONS AND AREAS SHOWN ON THE PLANS.
5. ALL MATERIAL STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE SURROUNDED BY A SECURED PERIMETER OF COMPOST FILTER SOCK. NO STOCKPILING OF MATERIALS WILL BE PERMITTED WITHIN THE 100-FOOT BUFFER ZONE OF THE FORT POINT CHANNEL.
6. ALL EXISTING AND CONSTRUCTED DRAINAGE SYSTEM INLETS SHALL BE PROVIDED WITH INLET PROTECTION DEVICES (FILTER BAGS/SILT SACKS, SANDBAGS, WATTLES, ETC.) AS INDICATED ON THE PLANS. ALL INLET PROTECTION DEVICES SHALL BE INSTALLED, MAINTAINED, AND CLEANED FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL STORMWATER CONTROLS ARE FULLY STABILIZED AND ONLINE, AT WHICH TIME THEY SHALL BE REMOVED. ALL ACCUMULATED SEDIMENT AND DEBRIS TRAPPED BY DEVICES SHALL BE REMOVED AND DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.

JOB SPECIFIC GENERAL NOTES

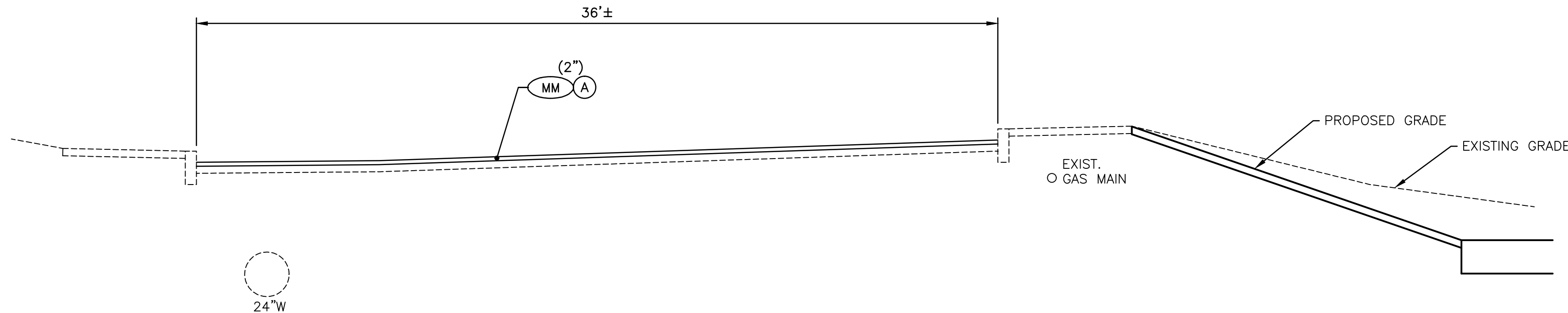
1. ALL WORK SHALL BE PAID FOR UNDER LUMP SUM AS DESIGNATED IN APPENDIX E – BID FORM.
2. DUCTILE IRON DRAINAGE PIPE SHALL BE CLASS 52 CENTRIFUGALLY CAST DUCTILE IRON PIPE MANUFACTURED IN ACCORDANCE WITH THE AWWA DESIGNATION C151(ANSI A21.51 AND ASTM C150.71) LATEST REVISION. ALL PIPE SHALL BE COATED ON THE OUTSIDE WITH AN APPROVED BITUMINOUS MATERIAL. RUBBER JOINT GASKETS SHALL CONFORM TO ANSI/AWWA C111/A21.11. DUCTILE IRON PIPE SHALL BE PUSH ON JOINT TYPE.
3. GRANITE CURB SHALL BE CUT AS SHOWN ON PLANS TO FACILITATE WORK. CUT PORTIONS SHALL BE REMOVED, STOCKPILED AND RESET.
4. BACKFILL FOR PIPE TRENCHES AND MANHOLES MAY UTILIZE EXISTING EXCAVATED MATERIAL PROVIDED IT MEETS THE SPECIFICATIONS FOR COMMON BORROW.
5. CONTRACTOR SHALL RECORD EXISTING PAVEMENT MARKING LOCATIONS PRIOR TO MILLING OPERATIONS IN ORDER TO RESTORE EDGE AND CENTERLINES ACCORDINGLY UPON REPAVING.
6. CONTRACTOR SHALL REMOVE DESIGNATED TREES CAREFULLY SO AS NOT TO DAMAGE OVERHEAD WIRES WHICH RUN THRU THE BRANCHES.

JOB SPECIFIC
MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY SECTION OPEN TO TRAFFIC.
2. ANY CONE WEIGHTS REQUIRED ON RI STD. 26.1.0 "FLUORESCENT TRAFFIC CONES" SHALL BE INCIDENTAL TO THE CONTRACT.
3. PAVEMENT REMOVAL/COLD PLANE TRANSVERSE DROP-OFFS LEFT OPEN TO TRAFFIC SHALL BE A MINIMUM OF 10 FEET HORIZONTAL TO 1 INCH VERTICAL.
4. THE INTENDED VEHICLE PATH SHALL BE CLEARLY MARKED AT ALL TIMES AND NEW PAVEMENT MARKINGS (PAINT) SHALL BE PLACED AT THE END OF THE WORK DAY WHERE THE ROADWAY HAS BEEN COLD PLANED OR PAVED.

JOB SPECIFIC UTILITY NOTES:

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH THE "DIG SAFE LAW" ENACTED BY R.I. LEGISLATURE BILL NO. 79S-291, WHICH BECAME EFFECTIVE JULY 1, 1979 AND 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. CONTRACTOR SHALL PROVIDE GAS COMPANY ACCESS TO WORK AREA TO PERFORM THEIR WORK, INCLUDING RELOCATION OF TWO SERVICE LINES WITHIN A SLEEVE BELOW THE PROPOSED STU AS DETAILED HEREIN.
4. PRIOR TO GAS COMPANY STARTING THEIR WORK, CONTRACTOR SHALL REMOVE SIDEWALK USING NEAT SAWCUTS TO THE LIMITS SHOWN.
6. CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL SURVEY TO THE GAS COMPANY FOR LOCATION OF THE GAS LINE AS SHOWN.
7. NATIONAL GRID WILL PURGE ABANDONED GAS LINES OF GAS. CONTRACTOR SHALL TRANSPORT THE SECTIONS WITH SEALED ENDS TO NATIONAL GRID GAS FACILITY AT EITHER 642 ALLENS AVE IN PROVIDENCE OR 477 DEXTER ST IN PROVIDENCE AND PLACE THEM IN RED OPEN TOP "PIPE TO BE CLEANED" CONTAINER.



TYPICAL SECTION CHERRY HILL ROAD

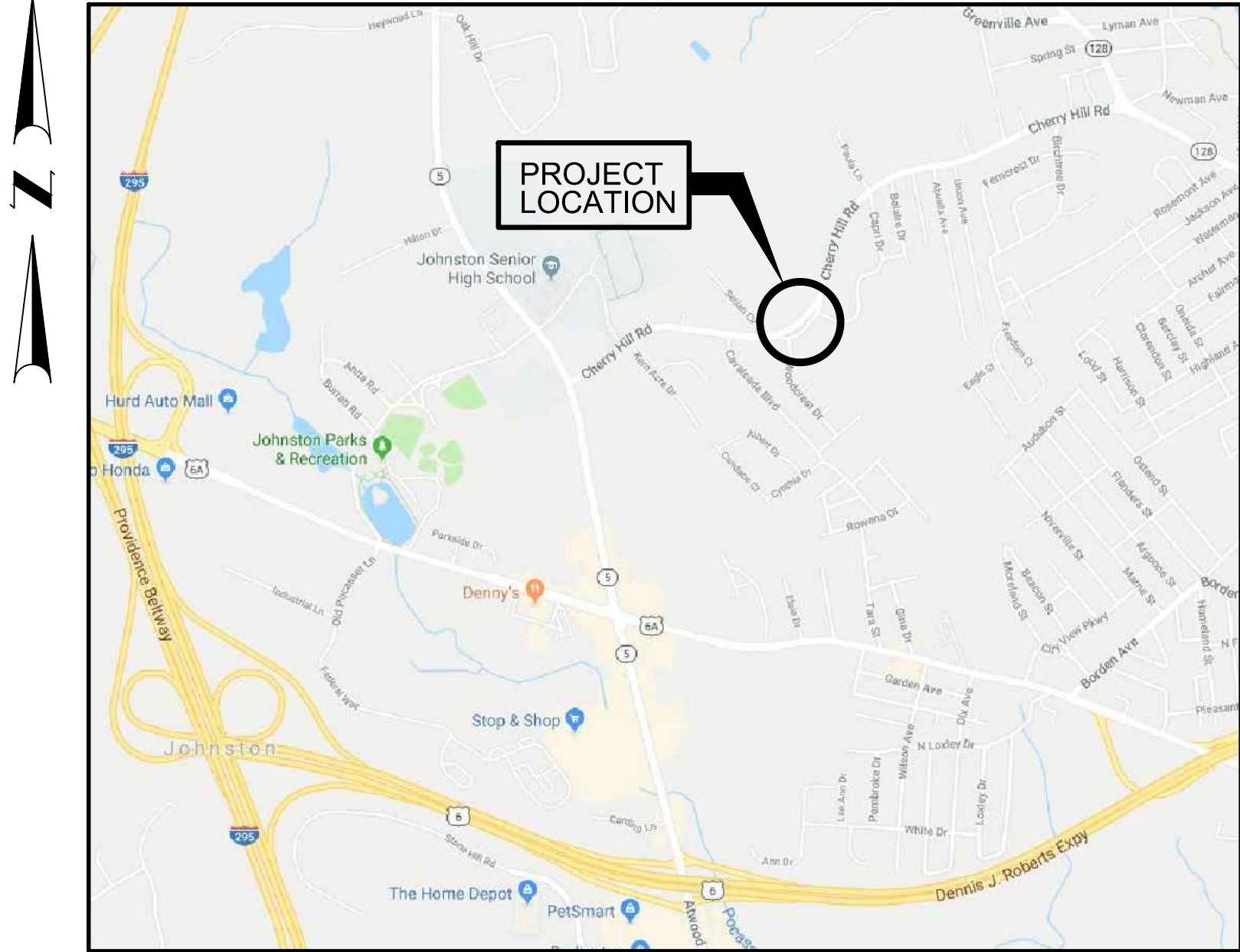
SCALE : 1" = 4'

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
			CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	

Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

NOTES:
-PLAT AUTHORS EAST SIDE OF OLD CHERRY HILL ROAD DID NOT RECOGNIZE MATH ERRORS AND CHANGES TO STATE HIGHWAY LINE GEOMETRY AS RECORDED IN RIDOT SURVEY SECTION.
-OLD CHERRY HILL ROAD STREET LINE & PROPERTY LINES ARE APPROXIMATE ONLY

REFERENCES:
-RECORD PLAT, MISCELLANEOUS PLAT BOOK 2 PAGE 30, "SECTION A CHERRY HILL FARMS... JOHNSTON, RHODE ISLAND BELONGING TO EMIL F. AND MARIA C. PAQUIN... BY CAPUTO AND WICK, LTD... SEPTEMBER, 1985... SCALE 1"=50'..."
-RECORD PLAT, MISCELLANEOUS PLAT BOOK 3 PAGE 146, "OLD CHERRY ESTATES ASSESSORS PLAT 20, LOTS 36 & 302, OLD CHERRY HILL ROAD, JOHNSTON, RHODE ISLAND... FOR MIKENT INC... BY DIPRETE ENGINEERING ASSOCIATES, INC... DATE: APRIL, 2000... SCALE 1"=60'..."
-RECORD PLAT 169, "REPLAT LOTS 1 TO 8 INCLUSIVE AND 25 TO 32 INCLUSIVE ON HILLCREST, JOHNSTON, RHODE ISLAND... OWNERS: PILGRIM LAND DEVELOPERS, INC... BY CLARENCE F. LAMB, ENGR... SEPT. 1965... SCALE 1"=40'..."
-STATE HIGHWAY PLAT 907, SHEETS 4 & 5



LOCATION PLAN
NOT TO SCALE



PROJECT SURVEYOR
MICHAEL J. MCCORMICK
ALPHA ASSOCIATES, LTD.
35 ROCKY HOLLOW ROAD
EAST GREENWICH, RI 02818
P.401.884.8506 F.401.884.7747

CERTIFICATION:
THIS PLAN, AND UNDERLYING SURVEY PRODUCT, WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ENTITY NAMES IN THIS CERTIFICATION. SAID CERTIFICATION DOES NOT EXTEND TO ANY UN-NAMED PERSON, PERSONS, OR ENTITY WITHOUT AN EXPRESS RE-CERTIFICATION BY THE SURVEYOR OF RECORD NAMING SAID PERSON, PERSONS, OR ENTITY.

TO THE STATE OF RHODE ISLAND, IT IS HEREBY CERTIFIED THAT THIS SURVEY HAS BEEN CONDUCTED AND THIS PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

LIMITED CONTENT BOUNDARY SURVEY-CLASS I (STATE HIGHWAY LINE PLAT TOPOGRAPHIC SURVEY-T-2, CULTURE-CLASS III VERTICAL MEASUREMENT STANDARD-CLASS V-2

FURTHER, THE INFORMATION DEPICTED ON HEREON WAS OBTAINED FROM FIELD OBSERVATIONS MADE ON THE SITE FROM JUNE 18, 2018 THRU JUNE 19, 2018. THE PURPOSE OF THE SURVEY IS TO SHOW TOPOGRAPHIC DETAILS IN THE IMMEDIATE AREA OF THE EXISTING MEDIAN TO PROVIDE BASE MAPPING FOR THE ENGINEERING CONSULTANT.

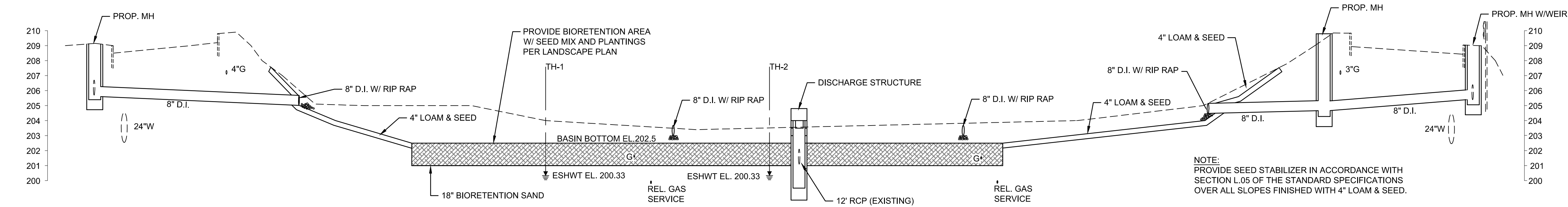
MICHAEL J. MCCORMICK PLS 1972
COA: LS-A101

EXISTING CONDITIONS PLAN
CHERRY HILL ROAD & OLD CHERRY HILL ROAD
ASSESSORS PLAT 20
PROVIDENCE COUNTY
JOHNSTON, RHODE ISLAND
PREPARED FOR: RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PREPARED BY: ALPHA ASSOCIATES, LTD.
35 ROCKY HOLLOW ROAD
EAST GREENWICH, RI 02818
T.401.884.8506 F.401.884.7747
SCALE: 1"=40' JUNE 19, 2018 SHEET 1 OF 1

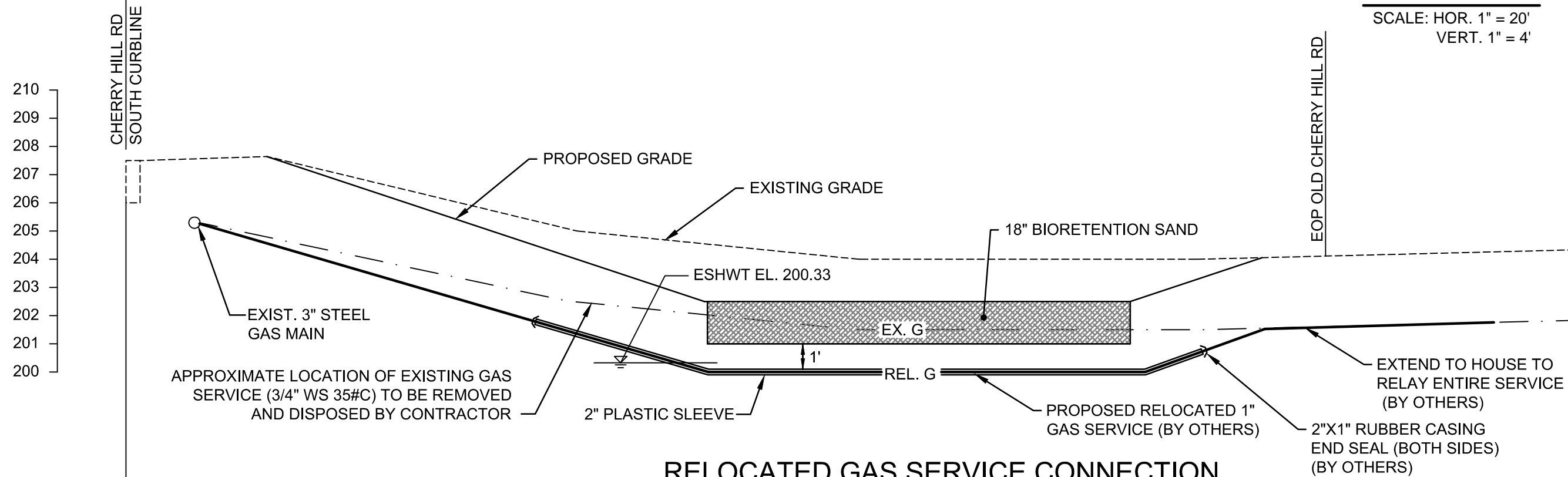


REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			EXISTING CONDITIONS PLAN	
			CHECKED BY _____ DATE _____ SCALE 1" = 40'	

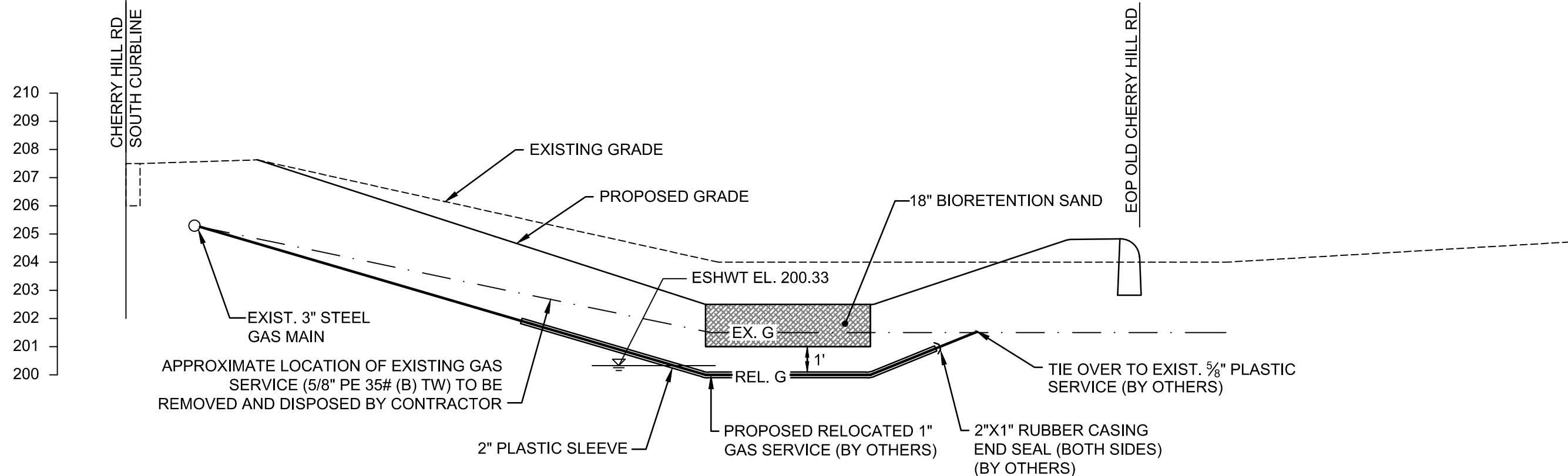
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			8	11



SECTION A-A
SCALE: HOR. 1" = 20'
VERT. 1" = 4'



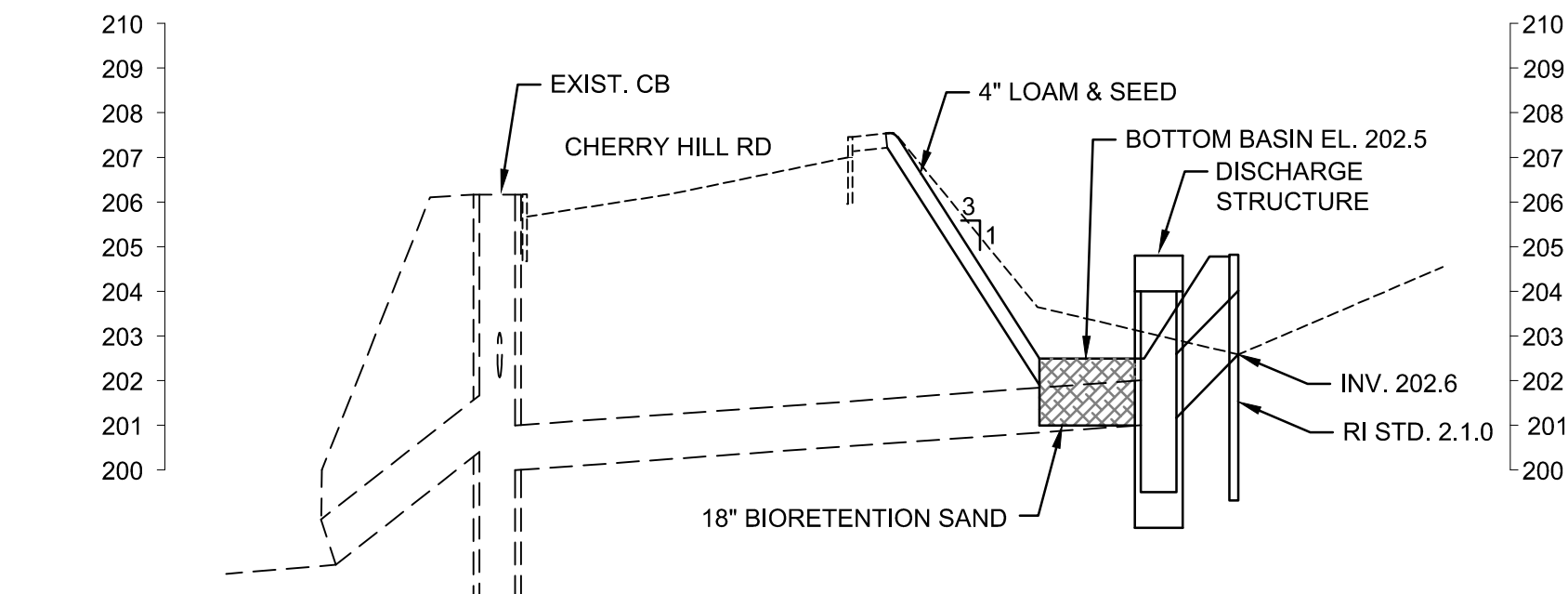
RELOCATED GAS SERVICE CONNECTION
TO HOUSE # 254
SCALE: 1" = 4'



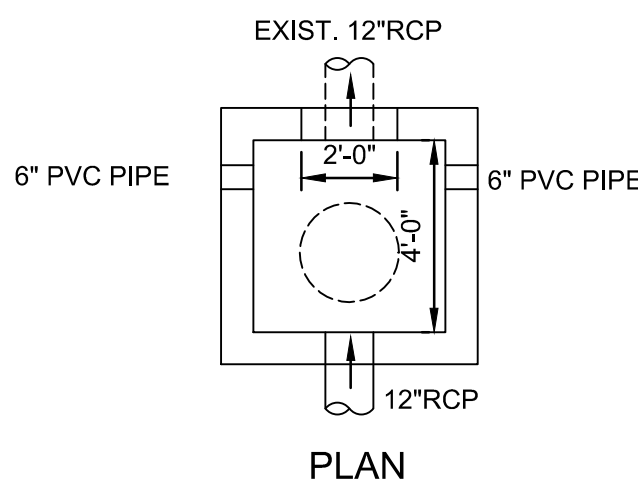
RELOCATED GAS SERVICE CONNECTION
TO HOUSE # 230
SCALE: 1" = 4'

GAS NOTES:

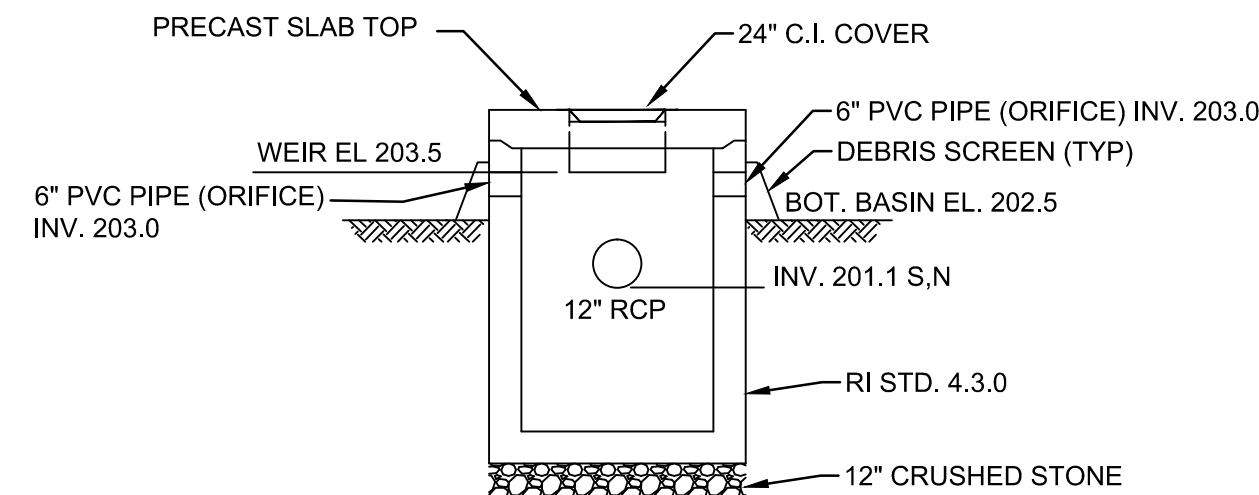
- ALL EXCAVATION OVER GAS LINES SHALL BE EXCAVATED BY HAND.
- ALL ABANDONED GAS LINES TO BE REMOVED AND DISPOSED BY CONTRACTOR.



SECTION B-B
SCALE: HOR. 1" = 20'
VERT. 1" = 4'

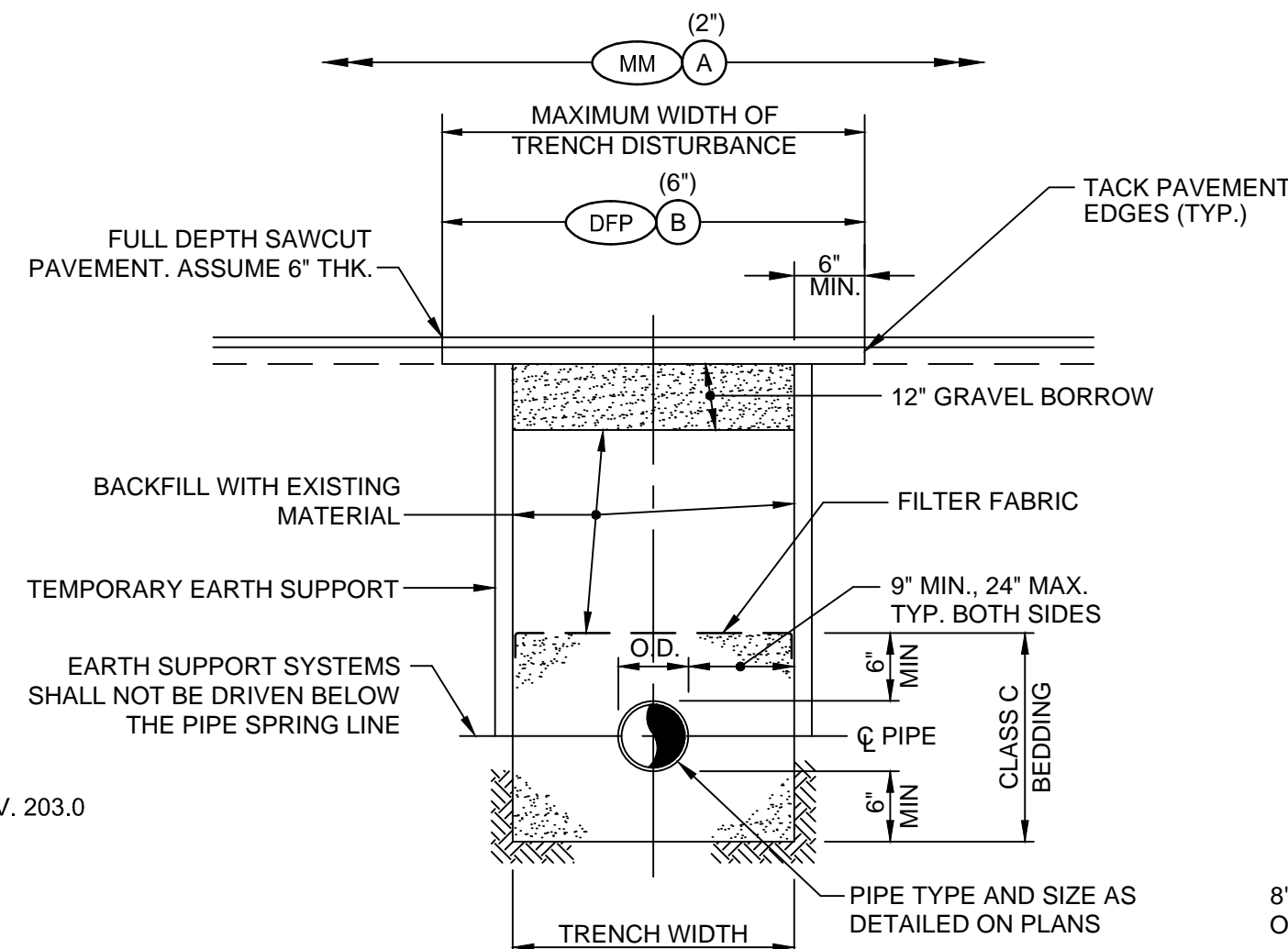


PLAN

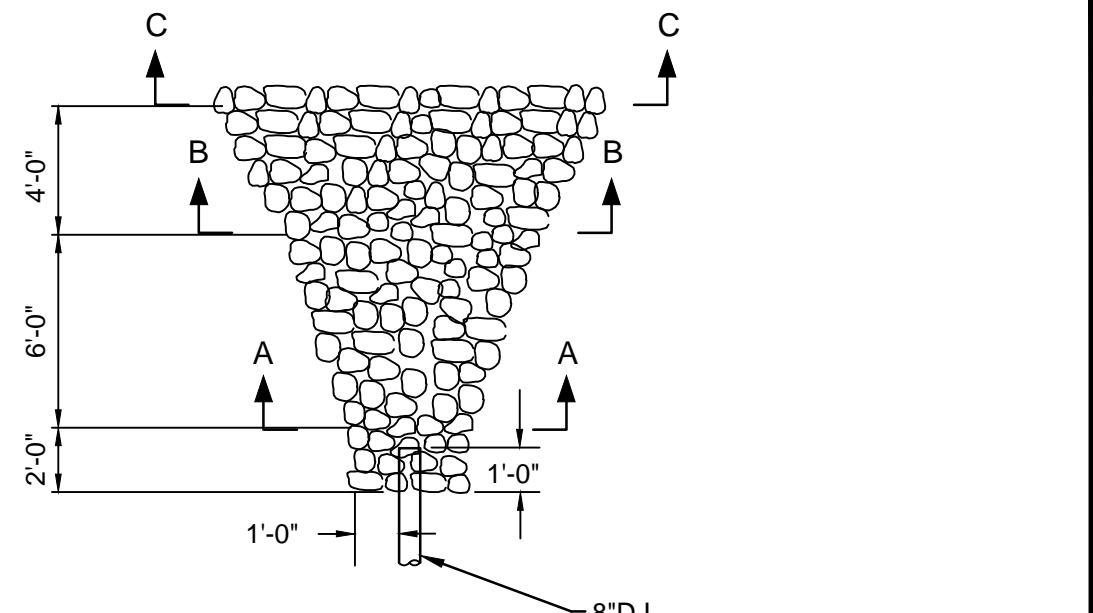


SECTION

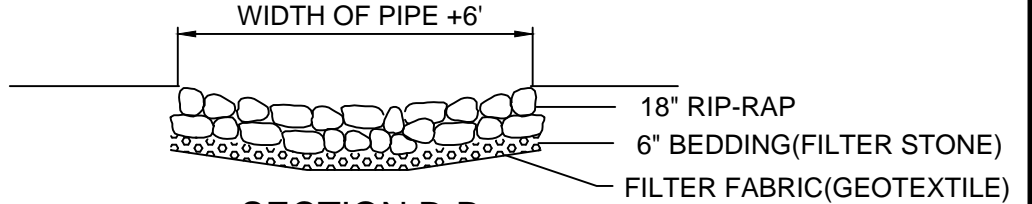
DISCHARGE STRUCTURE DETAILS
SCALE: 1" = 4'



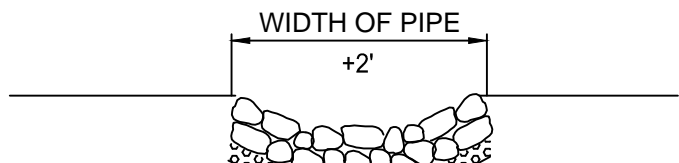
TYPICAL TRENCH WITH BITUMINOUS PATCH
NOT TO SCALE



SECTION C-C



SECTION B-B

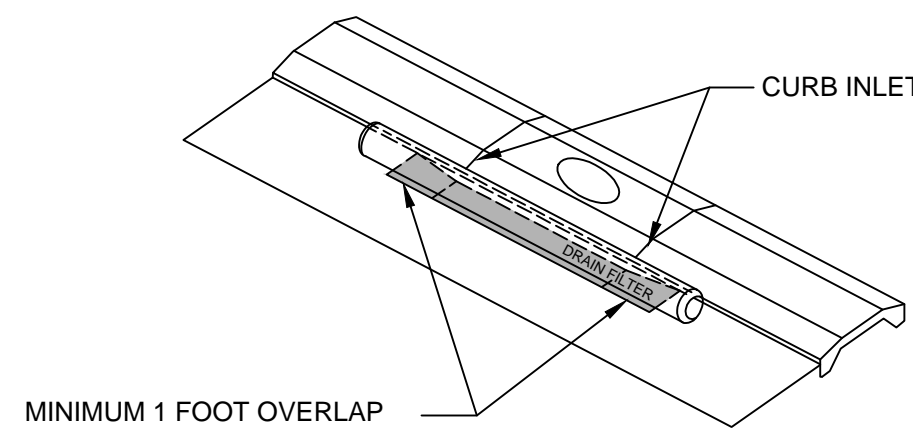


SECTION A-A

RIP-RAP PAD DETAIL (RRP)
N.T.S.

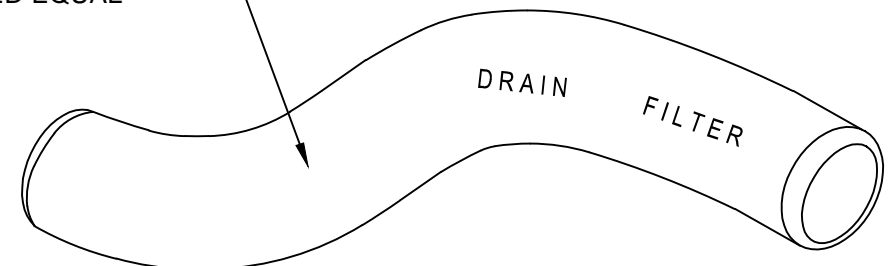
NOTES:

- RIP-RAP AND BEDDING SHALL BE IN ACCORDANCE WITH SECTION M.10 OF THE RI STD. SPECIFICATIONS FOR BRIDGE AND HIGHWAY. RIP-RAP SHALL BE MODIFIED NSA NO. R-4, BEDDING SHALL BE MODIFIED NSA NO. FS-2.
- DIMENSIONS MAY BE MODIFIED BY ENGINEER TO MEET FIELD CONDITIONS.
- UNLESS OTHERWISE SPECIFIED, DUMPED RIP-RAP SHALL BE USED.

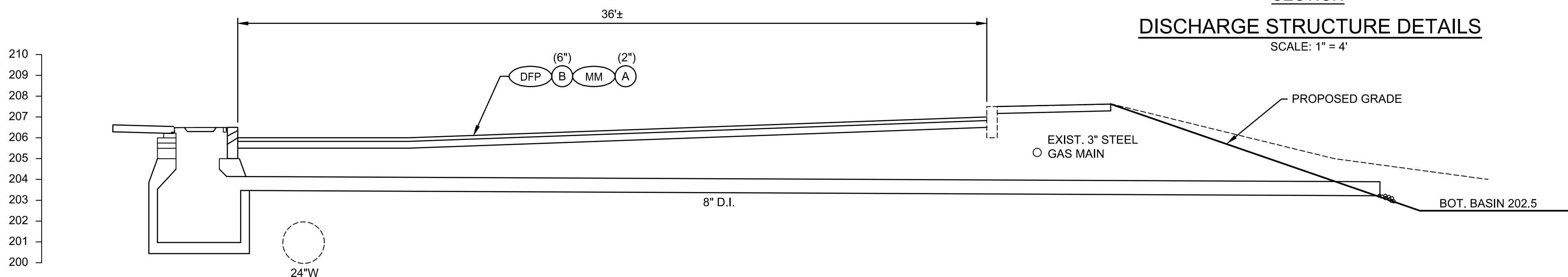


MINIMUM 1 FOOT OVERLAP

8" COMPOST FILTER SOCK OR APPROVED EQUAL



INLET PROTECTION (IP)
NOT TO SCALE



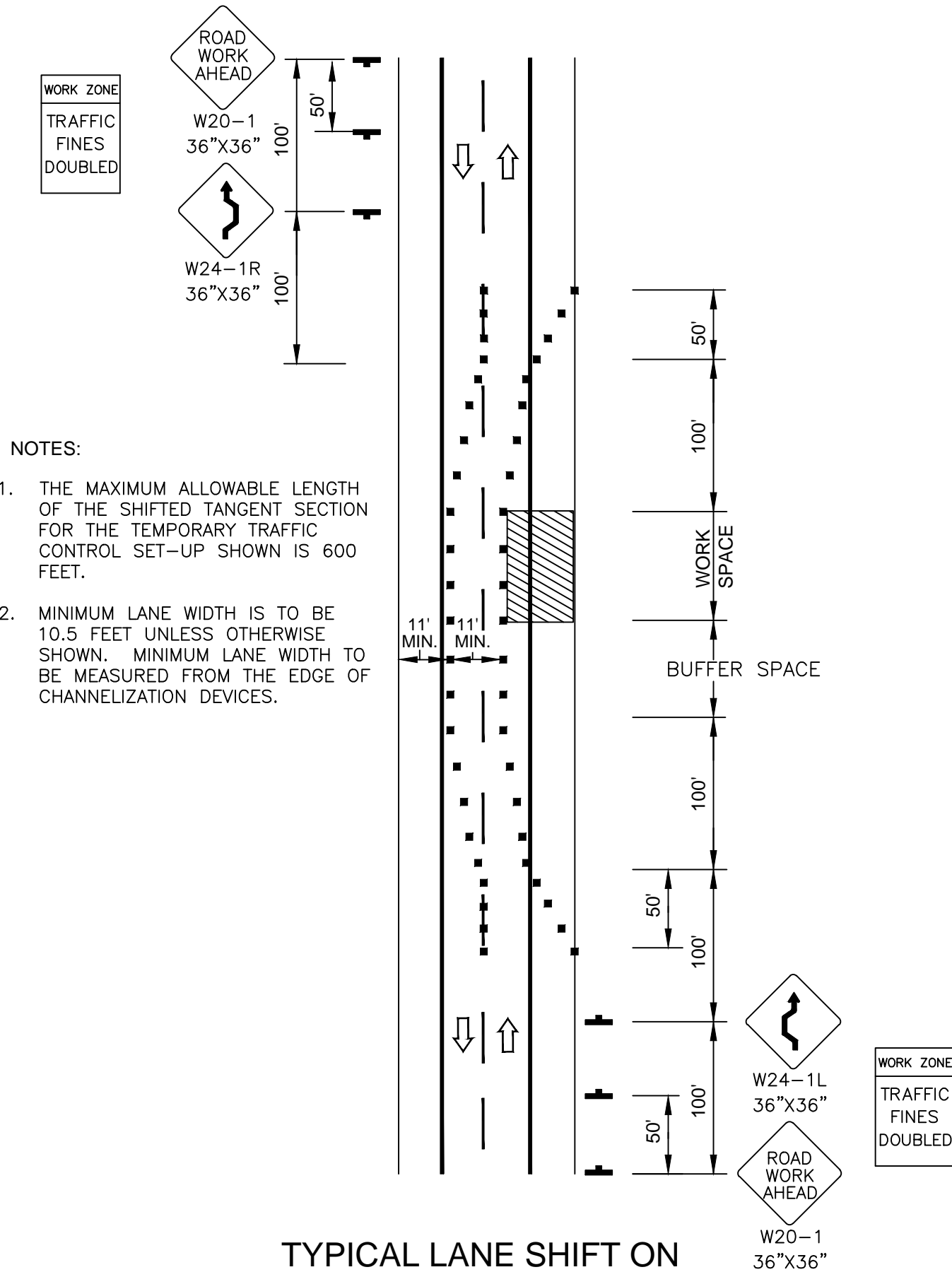
TYPICAL DRAINAGE CROSSING
SCALE: 1" = 4'



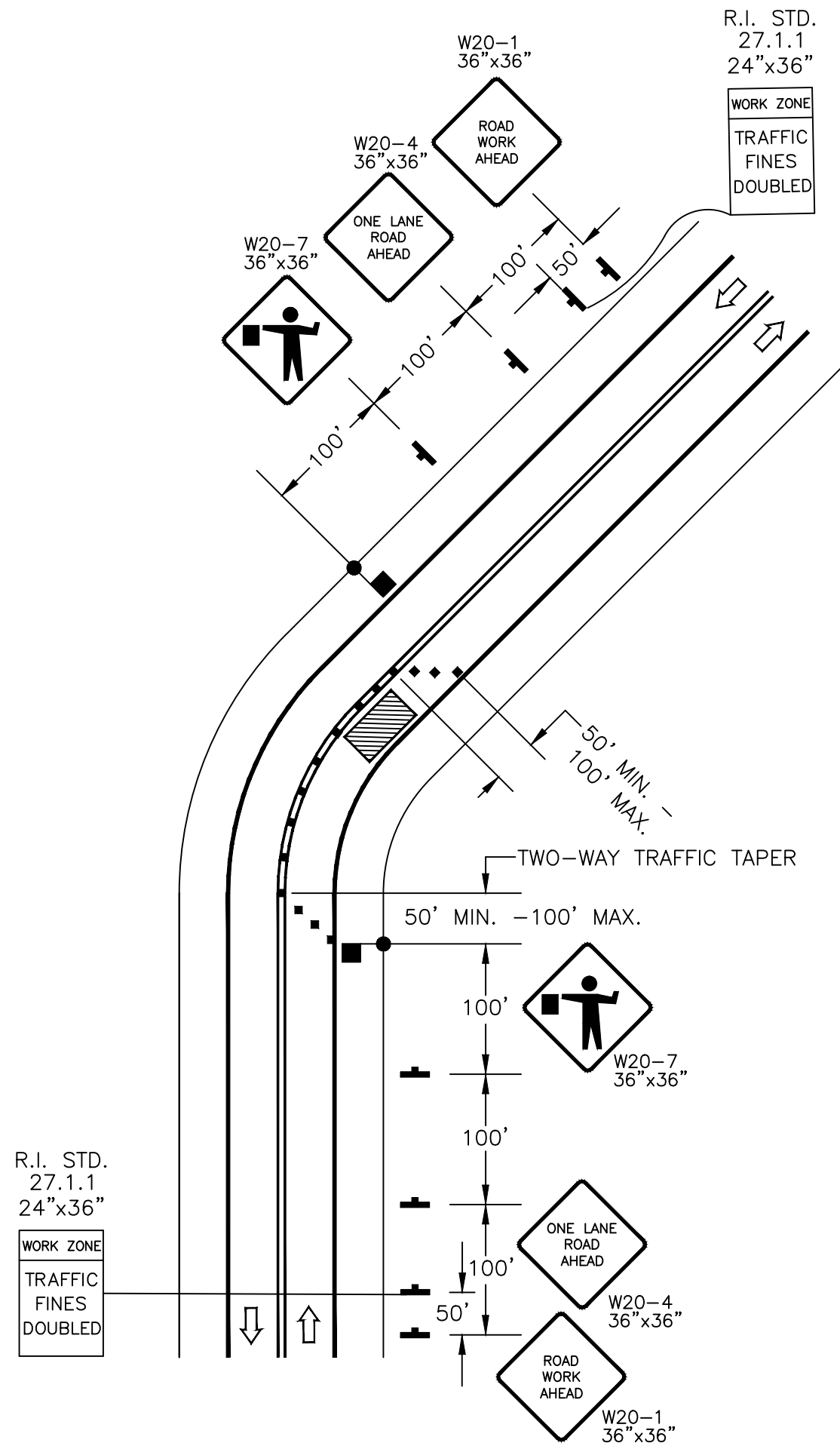
Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			MISCELLANEOUS DETAILS	
			CHECKED BY _____ DATE _____ SCALE AS SHOWN	

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			9	11



TYPICAL LANE SHIFT ON
TWO-LANE ROADWAY



LANE CLOSURE ON TWO
LANE ROAD USING FLAGGERS

- FOR LOW-VOLUME APPLICATIONS, WITH SHORT WORK ZONES ON STRAIGHT ROADWAYS WHERE THE FLAGGER IS VISIBLE TO ROAD USERS FROM BOTH DIRECTIONS, A SINGLE FLAGGER, POSITIONED TO BE VISIBLE TO ROAD USERS APPROACHING FROM BOTH DIRECTIONS MAY BE USED.
- CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- THE BUFFER SPACE SHOULD BE EXTENDED IF NECESSARY SO THAT THE 100' MAX. TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL (OR CREST VERTICAL) CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.
- MAXIMUM SPACING OF CHANNELIZATION DEVICES IN THE 100' MAX. TWO-WAY TRAFFIC TAPERS IS 25 FEET. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.

NOTES:

- ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART 6 OF THE MUTCD.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN A RHODE ISLAND STANDARD 26.2.0 BARRICADE WITH APPROPRIATE MARKINGS AT EACH LOCATION WHERE ADJUSTMENT TO UTILITY STRUCTURES HAVE BEEN MADE UNTIL RESURFACING WORK HAS BEEN PERFORMED. OTHER TYPES OF PROTECTIVE DEVICES MAY BE USED IF APPROVED BY THE ENGINEER.
- R.I. STD. 26.1.0 CONES SHALL BE USED WHEN TRAFFIC CONTROL SET-UP IS UTILIZED ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY REMOVED AT THE END OF THE WORKDAY. R.I. STD. 26.2.0 SHALL BE USED WHEN A TRAFFIC CONTROL SET-UP WILL REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT..
- THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36"x36", UNLESS OTHERWISE NOTED.
- MAXIMUM SPACING OF THE CHANNELIZATION DEVICES IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.

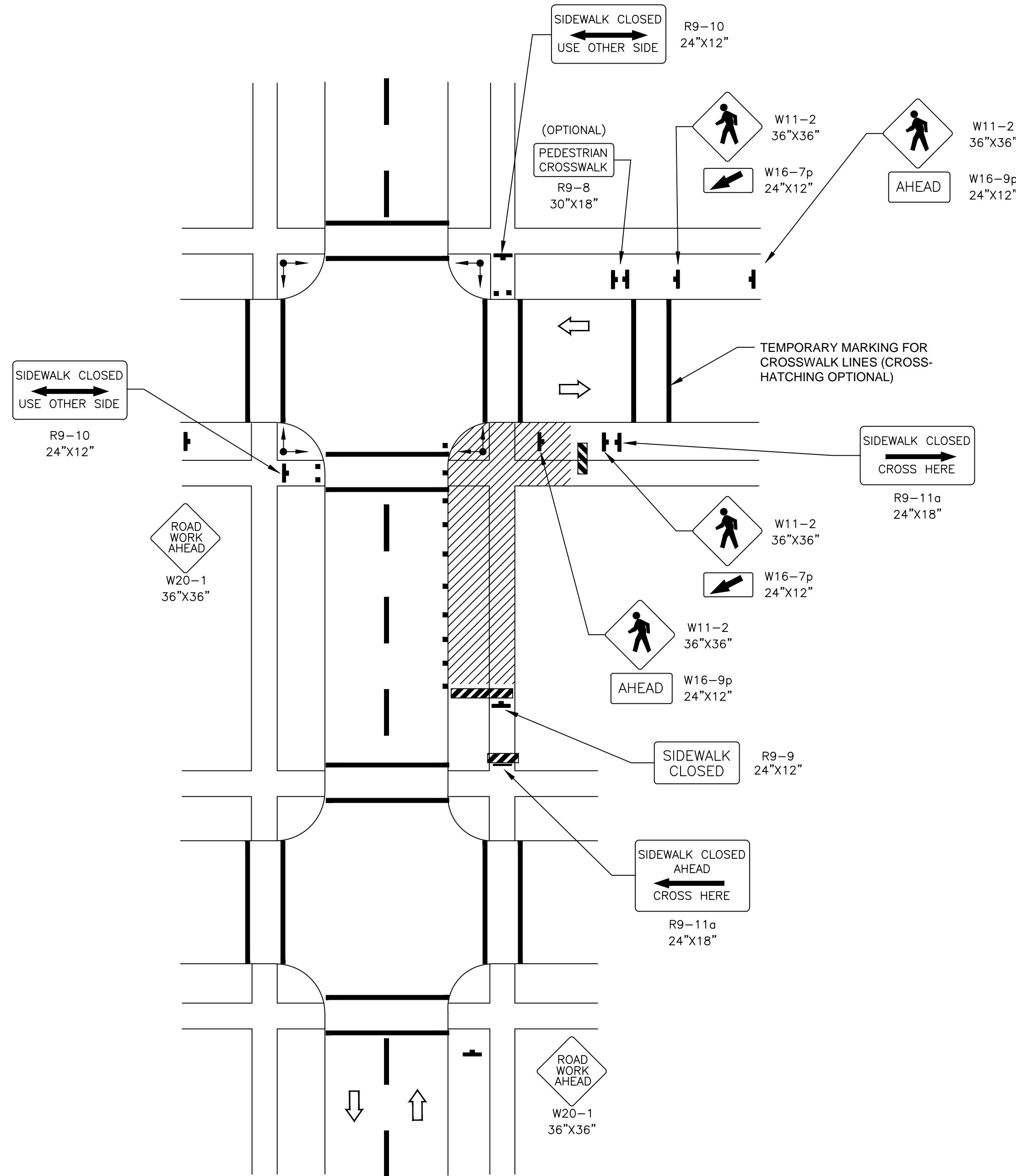
LEGEND

- CHANNELIZING DEVICE
- TRAFFIC CONE (R.I. STD. 26.1.0)
- DRUM BARRICADE (R.I. STD. 26.2.0)
- SIGN ON PORTABLE SIGN SUPPORT
- TYPE III BARRICADE
- FLASHING ARROW BOARD
- TRAFFIC PERSON
- WORK SPACE
- DIRECTION OF TRAVEL
- WORK VEHICLE
- TRUCK-MOUNTED ATTENUATOR
- ARROW PANEL

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
			CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			MAINTENANCE & PROTECTION OF TRAFFIC DETAILS - 1	
			CHECKED BY _____ DATE _____ SCALE N.T.S.	

Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

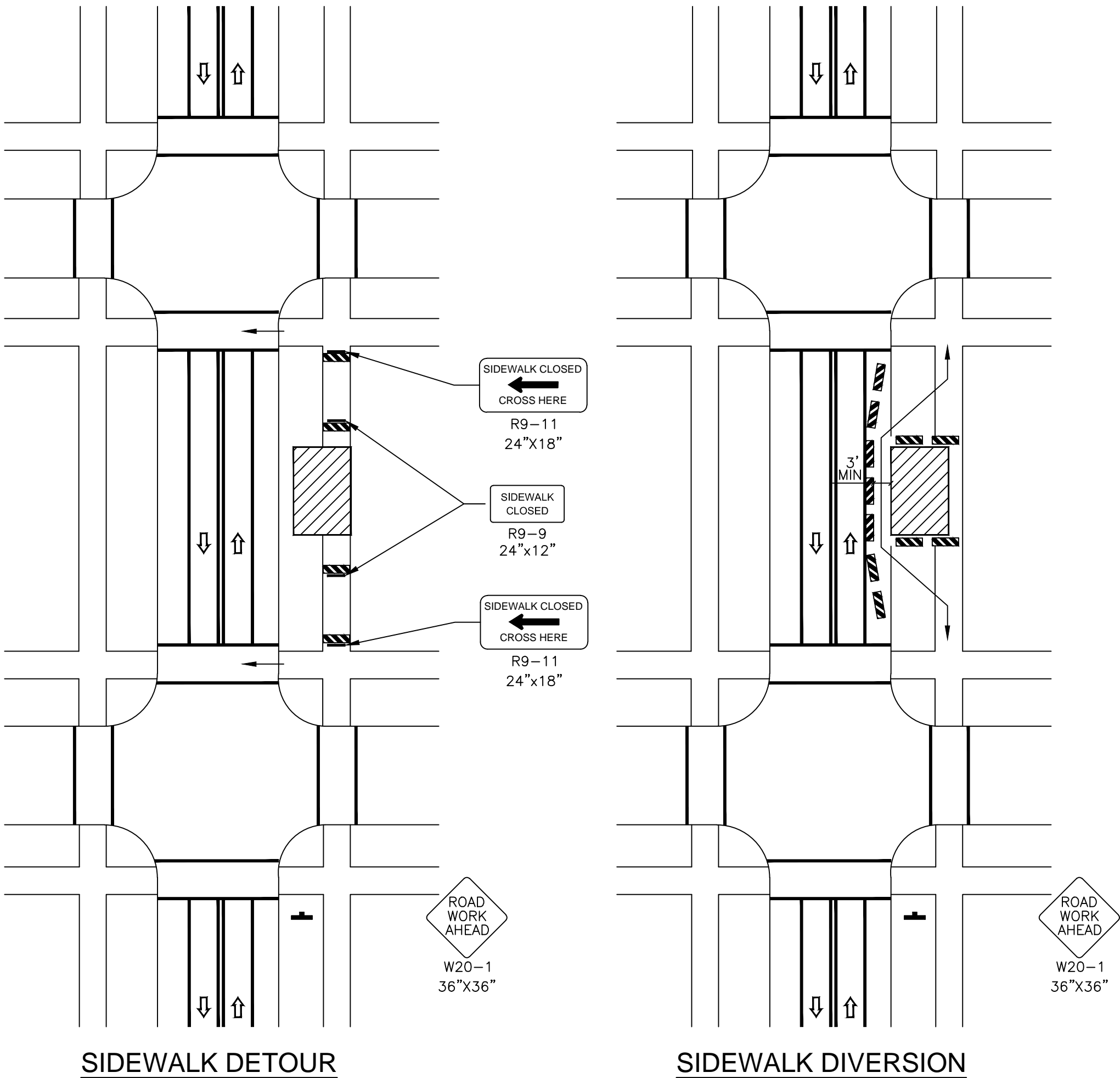
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			10	11



**CROSSWALK CLOSURES AND
PEDESTRIAN DETOURS**

NOTES:

1. WHEN CROSSWALK OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 50 ft. IN ADVANCE OF THE MIDBLOCK CROSSWALK.
3. AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.
5. STREET LIGHTING MAY BE CONSIDERED.
6. ONLY THE TTC DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS, MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
7. FOR NIGHTTIME CLOSURES, TYPE A FLASHING WARNING LIGHTS MAY BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS.
8. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY BURN WARNING LIGHTS MAY BE USED ON CHANNELIZING DEVICES SEPARATING THE WORK SPACE FROM VEHICULAR TRAFFIC.
9. IN ORDER TO MAINTAIN THE SYSTEMATIC USE OF FLUORESCENT YELLOW-GREEN BACKGROUND FOR PEDESTRIAN, BICYCLE, AND SCHOOL WARNING SIGNS IN A JURISDICTION, THE FLUORESCENT YELLOW-GREEN BACKGROUND FOR PEDESTRIAN, BICYCLE, AND SCHOOL WARNING SIGNS MAY BE USED IN TTC ZONES.



NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND, IF NECESSARY, A CRASH CUSHION SHOULD BE USED TO SEPARATE THE TEMPORARY SIDEWALKS FROM VEHICULAR TRAFFIC.
3. AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MID BLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.
4. ONLY THE TTC DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS, SHALL BE USED TO CONTROL VEHICULAR TRAFFIC.
5. FOR NIGHTTIME CLOSURES, TYPE A FLASHING WARNING LIGHTS MAY BE USED ON BARRICADES THAT SUPPORT SIGNS AND CLOSE SIDEWALKS.
6. SIGNS, SUCH AS KEEP RIGHT(LEFT), MAY BE PLACED ALONG A TEMPORARY SIDEWALK TO GUIDE OR DIRECT PEDESTRIANS.

LEGEND

- CHANNELIZING DEVICE
- TRAFFIC CONE (R.I. STD. 26.1.0)
- DRUM BARRICADE (R.I. STD. 26.2.0)
- SIGN ON PORTABLE SIGN SUPPORT
- TYPE III BARRICADE
- FLASHING ARROW BOARD
- TRAFFIC PERSON
- WORK SPACE
- DIRECTION OF TRAVEL
- WORK VEHICLE
- TRUCK-MOUNTED ATTENUATOR
- ARROW PANEL



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	CHERRY HILL STORMWATER QUALITY IMPROVEMENTS LOWER WOONASQUATUCKET RIVER / ASSAPUMPSET BROOK WATERSHED R-01	
			JOHNSTON, RHODE ISLAND	
			MAINTENANCE & PROTECTION OF TRAFFIC DETAILS - 2	
			CHECKED BY _____ DATE _____ SCALE N.T.S. _____	

	FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		RI			11	11

CHERRY HILL ROAD STU - ASSAPUMPSETT BROOK WATERSHED - PLANT LIST										
KEY	Botanical Name	Common Name	Quantity	Size	Root	Bloom	Road Salt tolerance	Notes	RIDOT STANDARD DETAIL #	
TREES										
JV	Juniperus virginiana	Native Red Cedar	2	5'-6" ht	B&B	evergreen	tolerant	full specimens	50.2.0	
PO	Platanus occidentalis	American Sycamore	1	2.5-3" caliper	B&B	spring	tolerant	specimen	50.1.1	
PO	Platanus occidentalis	American Sycamore	2	2.5-3" caliper	B&B	spring	tolerant	specimen	50.1.0	
SHRUBS										
IG	Ilex glabra	Inkberry	6	30-36" ht	B&B	evergreen	tolerant	Full: Plant 6'-0" on Center	50.3.0	
IV	Ilex verticillata	Winterberry Holly	5	5 gallon	Cont.	berries	tolerant	Full: Plant 5'-0" on Center	50.3.2	
IVH	Itea virginica "Henry's Garnet"	Henry's Garnet Sweetspire	5	3 gallon	Cont.	spring	tolerant	Full: Plant 5'-0" on Center	50.3.1	
IVH	Itea virginica "Henry's Garnet"	Henry's Garnet Sweetspire	6	3 gallon	Cont.	spring	tolerant	Full: Plant 5'-0" on Center	50.3.2	
VC	Viburnum cassinoides	Raisin Viburnum	7	5 gallon	Cont.	spring	tolerant	Full: Plant 8'-0" on Center	50.3.2	

LEGEND - PROPOSED LANDSCAPE



PROPOSED DECIDUOUS TREES



PROPOSED EVERGREEN TREES



PROPOSED EVERGREEN SHRUBS



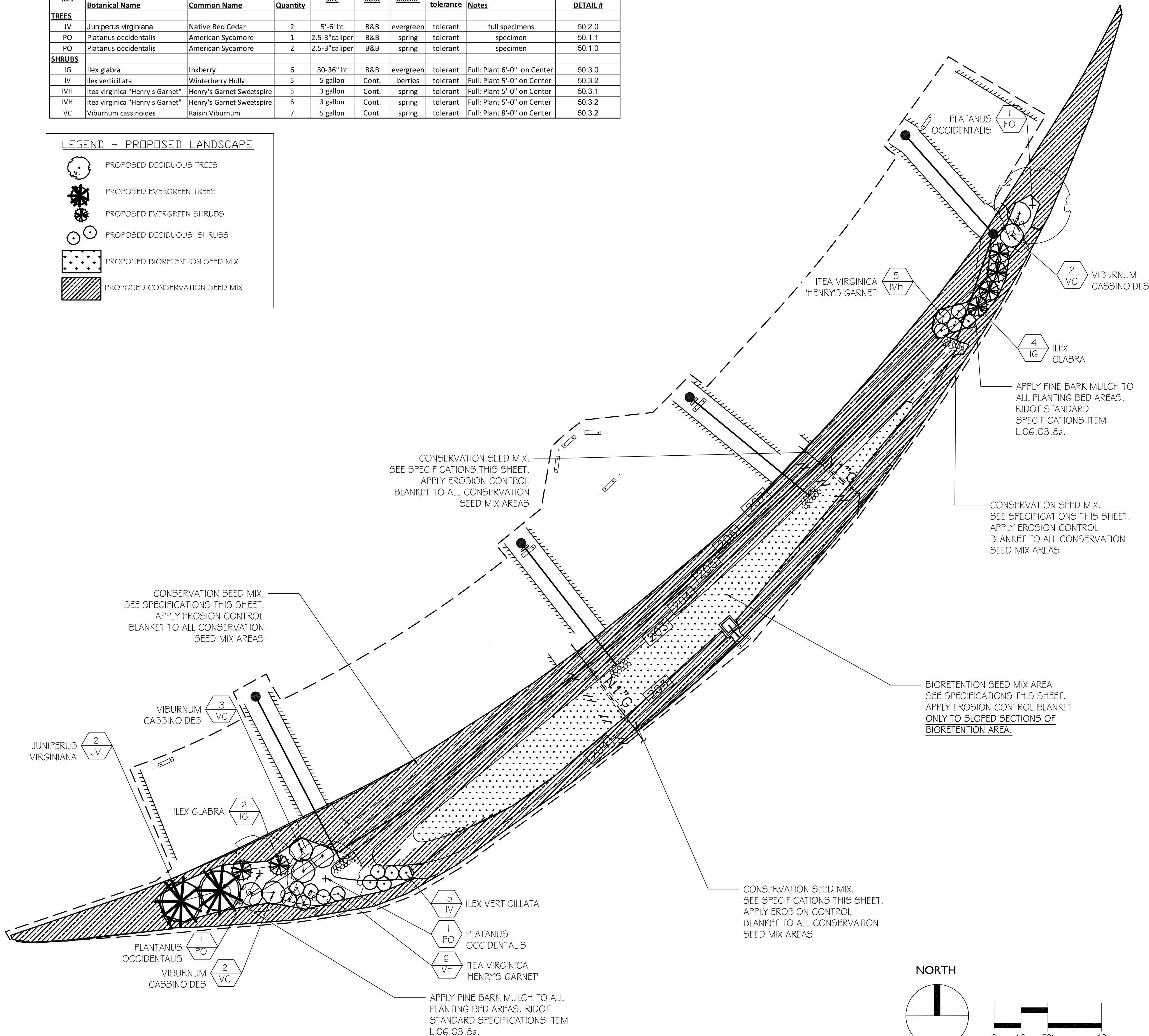
PROPOSED DECIDUOUS SHRUBS



PROPOSED BIORETENTION SEED MIX



PROPOSED CONSERVATION SEED MIX



LANDSCAPE NOTES:

1. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. NO STORAGE OF MATERIAL IS ALLOWED WITHIN THE DRIFLINE OF TREES TO REMAIN.
3. STOCKPILE TOPSOIL AND OTHER NECESSARY CONSTRUCTION MATERIAL IN AREA DESIGNATED ON PLANS AND/OR AS DIRECTED BY R.I.D.O.T. LANDSCAPE ARCHITECT.
4. SCARIFY AND REMOVE ALL EXISTING PLANTINGS, DEBRIS AND UNSUITABLE PLANTING MEDIUM IN AREAS DESIGNATED FOR NEW PLANT BEDS AND/OR SEEDING. DISPOSE OF ALL UNSUITABLE MATERIAL IN ACCORDANCE WITH STATE AND MUNICIPAL CODES.
5. PROTECT AND SECURE ALL STOCKPILED MATERIALS FROM WEATHER AND POSSIBLE VANDALISM. DO NOT ALLOW STOCKPILED TOPSOIL TO RUN OFF THE SITE.
6. PERFORM EXCAVATION FOR LANDSCAPE WORK IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE, AND IF NECESSARY, BY HAND. CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
7. CONTRACTOR TO VERIFY PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHIC INDICATIONS SHALL PREVAIL.
8. ALL DISTURBED AREAS NOT COVERED BY STRUCTURES, PAVEMENT, RIP RAP, STONE, MULCH OR PLANTING BEDS AND TREE PITS SHALL BE TOP SOILED AND SEEDDED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL TOPSOIL IN ACCORDANCE WITH R.I.D.O.T STANDARD SPECIFICATIONS AND PROVIDING TEST RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO PLACING TOPSOIL.
10. PRUNE NEWLY PLANTED TREES AND SHRUBS ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
11. SUBSTITUTIONS ON PLANT MATERIALS MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
12. LOAM AND SEED SHALL BE APPLIED AS PER RIDOT STANDARD SPECIFICATIONS SECTION L.02 AND A5 PER SEED MIXES SPECIFIED ON THESE DRAWINGS. ALL SEEDING SHALL BE APPLIED VIA HYDROSEED PER RIDOT STANDARD SPECIFICATIONS WITH INCLUSION OF ADHESIVE MULCH STABILIZER PER M.1 & LANDSCAPE MATERIALS AND L.05.03.4.
13. ALL **SLOPED** SEEDED AREAS SHALL HAVE EROSION CONTROL BLANKET APPLIED PER RIDOT STANDARD SPECIFICATIONS ITEM L.05.03.3 EROSION CONTROL BLANKETS.
14. ALL PLANTING AND SEEDING SHALL CONFORM TO PART 1 OF THE RI STANDARD SPECIFICATIONS, WITH THE EXCEPTION OF MATERIALS FOR SEED MIXES. SEED MIXES SHALL BE AS SPECIFIED ON THESE DRAWINGS.

BIORETENTION SEED MIX

NEW ENGLAND WETLAND PLANTS, INC

820 WEST STREET, AMHERST, MA 01002

PHONE: 413-548-8000 FAX 413-549-4000

EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Roadside Matrix Wet Meadow Seed Mix

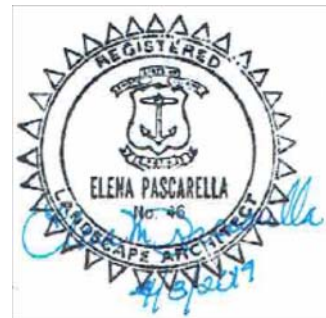
Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Carex scoparia</i>	Blunt Broom Sedge	FACW
<i>Cornus amomum</i>	Silky Dogwood	FACW
<i>Carex lurida</i>	Lurid Sedge	OBL
<i>Iris versicolor</i>	Blue Flag	OBL
<i>Asclepias incarnata</i>	Swamp Milkweed	OBL
<i>Viburnum dentatum</i>	Arrow Wood Viburnum	FAC
<i>Aster novae-angliae</i> (<i>Symphotrichum novae-angliae</i>)	New England Aster	FACW-
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Eupatorium maculatum</i> (<i>Eutrochium maculatum</i>)	Spotted Joe Pye Weed	OBL
<i>Sambucus canadensis</i>	Elderberry	FACW-
<i>Scirpus atrovirens</i>	Green Bulrush	OBL
<i>Aster umbellatus</i> (<i>Doellingeria u.</i>)	Flat Topped/Umbrella Aster	FACW

"CONSERVATION SEED MIX"

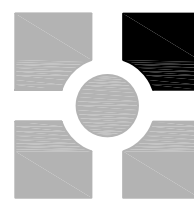
from Allen's Seed Supply, North Kingstown, RI
or approved equal

25% Per. Rye
25% Creeping Red Fescue
25% Annual Rye
17% Tall Fescue
5% Ky. Blue
1% Colonial Bentgrass
1% Red Top
1% White Clover

Application Rate: 5 lbs per acre.



Landscape Elements, LLC



**Landscape Architecture
Landscape Ecology
Cultural Landscape Preservation**

200 Centerville Road, Suite 6, Warwick, RI
T 401.921.2667 F 866.203.7686
www.landscapeelementsllc.com



Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

[illegible]

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

CHERRY HILL STORMWATER QUALITY
IMPROVEMENTS LOWER WOONASQUATUCKET
RIVER / ASSAPUMPSET BROOK WATERSHED R-01

JOHNSTON, RHODE ISLAND

LANDSCAPE PLAN

CHECKED BY _____ DATE _____ SCALE 1" = 20'-0"

APPENDIX

APPENDIX A

Transportation Management Plan (TMP)



LEVEL 3 TRANSPORTATION MANAGEMENT PLAN

Project Name: **Cherry Hill Stormwater Quality Improvements Lower
Woonasquatucket River / Assapumpset Brook Watershed R-01**

RI Design Contract No(s): **2016-EM-056**

RI Construction Contract No(s): **2019-CM-063**

Submission: **ADV**

Date: **6/13/2019**

PROJECT INFORMATION

Brief Project Description: The work on this project will include trenching across Cherry Hill Road to install stormwater treatment piping at four locations.

General Work Limits: Work will generally take place in the roadway over a stretch of approximately 400 feet of Cherry Hill Road in Johnston, RI

WORK ZONE LOCATIONS

ROADWAY NAME or INTERSECTION	FROM	TO	APPROX. LENGTH
Cherry Hill Road (Old Cherry Hill Road)	Woodcrest Drive	Capri Drive	400 feet

General Project Schedule*: The work is expected to start in Summer 2019 and be completed prior to 2020.

TRAFFIC-RELATED WORK RESTRICTIONS

General Restrictions: See "Attachment No. 1 - General Restrictions".

Holiday
Restrictions:

See "Attachment No. 2 - Holiday Restrictions". In case of discrepancy between the holiday restrictions and the General Restrictions listed in Attachment No. 1, the holiday restrictions shall govern.

TEMPORARY TRAFFIC CONTROL PLANS

These RIDOT- and/or Designer-Developed TTC Plans will be used during the work on this project

Included in:		Included in:			
RIDOT TYPICAL TTC PLANS	TMP	Plan Set	DESIGNER-DEVELOPED TTC PLANS	TMP	Plan Set
<input type="checkbox"/> Mobile Operation	<input type="checkbox"/>	<input type="checkbox"/>	Maintenance and Protection of Traffic Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Work Beyond the Shoulder	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Shoulder Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Shoulder Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 2-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Shift - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Four Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Double Lane Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

PUBLIC INFORMATION PLAN

These strategies will be used to provide information concerning the project to road users and the community

SELECTED STRATEGIES

RIDOT travel advisories news releases
RIDOT travel advisories web site
RIDOT 511 traveler information system

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
RIDOT TMP Imp. Mngr. to send RIDOT notification form to RIDOT TMC min. 48 hrs. in advance of restrictions.

TRANSPORTATION OPERATIONS PLAN

These strategies will be used to provide improved transportation operations/safety within project work zones

SELECTED STRATEGIES

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's **TMP Implementation Manager** (if identified below) is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accommodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The **RIDOT TMP Implementation Manager** or his/her responsible designee should (1) inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the *ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features*, and where applicable, the other transportation management strategies identified above and (2) document all work zone-related feedback and complaints that are received from the public.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Deputy Chief Engineer, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

Other
Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work

Administrator, Project Management			State Traffic Engineer			Chief Engineer		
Signature:			Signature:			Signature:		
Date: _____			Date: <u>6-19-19</u>			Date: <u>6-20-19</u>		
Revision #	Initials	Date	Revision #	Initials	Date	Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT	CONTRACTOR (if contract work)
Name: _____	Name: _____
Title: _____	Title: _____
Unit: _____	Company/Unit: _____
Office Phone: _____	Office Phone: _____
Mobile Phone: _____	Mobile Phone: _____
E-Mail: _____	E-Mail: _____

TRAFFIC RELATED WORK RESTRICTIONS/General Restrictions:

Location	MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2,3,4}								
	Time of Day		Day of Week						
	From	To	SUN	MON	TUES	WED	THURS	FRI	SAT
Cherry Hill Rd (Old Cherry Hill Rd)	0:00	9:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	9:00	13:00	ALL	1L ALT	1L ALT	1L ALT	1L ALT	1L ALT	ALL
	13:00	0:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL

LEGEND

ALL

All travel lanes and shoulders shall remain open to traffic.

1L ALT

A minimum of one 10-foot wide travel lane shall remain open to alternating traffic.

NOTES

- 1 The set-up and break-down of temporary traffic control devices within a traveled way shall be construed as a closure of that traveled way.
- 2 The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3 At locations with a sidewalk(s), a minimum of one sidewalk on one side of the roadway shall remain open to pedestrians at all times.
- 4 Access to and egress from all side streets, driveways, buildings, and other pedestrian pathways intersecting the Project work zones shall be maintained at all times unless otherwise noted or shown on the plans.

HOLIDAY RESTRICTIONS

No lane and/or shoulder closures allowed after 13:00 on the Friday preceding a holiday weekend.

EASTER SUNDAY

No lane and/or shoulder closures allowed on Saturday and/or Sunday until Sunday at 20:00 (after 20:00, General Restrictions apply).

NEW YEAR’S DAY, INDEPENDENCE DAY, & CHRISTMAS DAY

No lane and/or shoulder closures allowed after 13:00 on the day before the holiday.

No lane and/or shoulder closures allowed on the holiday.

VETERAN’S DAY

No lane and/or shoulder closures allowed after 13:00 on the day before the holiday.

No lane and/or shoulder closures allowed on Veteran’s Day until 20:00 (after 20:00, General Restrictions apply).

DR. MARTIN LUTHER KING JR. DAY, VICTORY DAY, & COLUMBUS DAY

No lane and/or shoulder closures allowed on Saturday, Sunday and/or Monday

No lane and/or shoulder closures allowed on Monday until 20:00 (after 20:00, General Restrictions apply).

MEMORIAL DAY & LABOR DAY

No lane or shoulder closures allowed Saturday, Sunday, and/or Monday.

THANKSGIVING DAY

No lane and/or shoulder closures allowed after 13:00 on the Wednesday preceding Thanksgiving Day

No lane and/or shoulder closures allowed on Thanksgiving Day

No lane and/or shoulder closures allowed on Friday, Saturday, and/or Sunday.

APPENDIX B

SMALL-SITE

Stormwater Pollution Prevention Plan (SWPPP)



Rhode Island Department of Transportation

RIDOT Small-Site SWPPP TEMPLATE Instructions

For all projects with less than 1.0 acres of disturbance, a Storm Water Pollution Prevention Plan (SWPPP) is required to be developed as part of compliance with RIDOT's Stormwater Management Program Plan.

This document is being provided as an aid in the preparation of a small-site SWPPP. It is a comprehensive list of issues a SWPPP preparer must consider during the development of the document. The items in the template are derived from the General Permit of the Rhode Island Pollutant Discharge Elimination System Storm Water Discharge Associated with Construction Activity (General Permit), the RIDEM RI Model SWPPP Template, and the Environmental Protection Agency's model SWPPP template.

Instructions for SWPPP Preparers:

When converting this model SWPPP into your site-specific SWPPP, please keep in mind the following:

- 1) Items in black should remain in the final site specific SWPPP and do not need to be modified.
- 2) Items highlighted in gray indicate where information must be inserted. Click on the highlighted text and type response – the gray highlighting will be over-written.
- 3) *Items in blue-italics are included to provide guidance to you, the SWPPP preparer, during the development of the site specific SWPPP, these items may be deleted in the final site specific SWPPP document.*
- 4) The control measures in Section 2 and Section 3 are meant to be 'checked', if they are relevant to the specific construction project. If an item is not relevant, the item may remain unchecked, but an explanation should be provided why that item is not applicable.
- 5) The RIDOT Small Site SWPPP Inspection Report, Inspection Report Instructions, and Amendment Log should be modified as necessary and included with the SWPPP as attachments.

If there are any questions, please contact the RIDOT Natural Resources Unit at 401-222-2023.

SMALL-SITE Stormwater Pollution Prevention Plan

For:

**Cherry Hill Stormwater Quality Improvements Lower
Woonasquatucket River / Assapumpset Brook Watershed R-01**

Town of Johnston

Rhode Island

RI DEPARTMENT OF TRANSPORTATION

Owner:

Brian Moore, PE
Administrator
Office of Stormwater Management
360 Lincoln Ave, Warwick, RI 02888

Operator:

*TO BE DETERMINED UPON
CONTRACT AWARD*

Company Name
Name
Address
City, State, Zip Code
Telephone Number

Estimated Project Dates:

Start Date: 2019 (TBD)

Completion Date: TBD

SWPPP Prepared By:

Gordon R. Archibald, Inc.
200 Main Street
Pawtucket, RI 02860
(401) 726-4084

SWPPP Preparation Date:

April 1, 2019

OWNER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Owner Signature:

Date

Owner Name:

Owner Title:

Company Name: Rhode Island Department of Transportation

OPERATOR CERTIFICATION

Upon contract award, the OPERATOR must sign this certification statement before construction may begin.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Operator Signature:

Date

Contractor Representative: Name
Contractor Title: Title
Contractor Company Name: Company

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INTRODUCTION

This Small-Site Storm Water Pollution Prevention Plan (SWPPP) has been prepared for the State of Rhode Island Department of Transportation (RIDOT) for a construction project that has less than one (1) acre of soil disturbance. This document provides general guidance for the installation and maintenance of erosion and sediment controls on small projects.

The purpose of erosion and sedimentation best management practices (BMPs) is to prevent pollutants from leaving the construction site and entering waterways or environmentally sensitive areas during and after construction. This SWPPP has been prepared prior to the initiation of construction activities to address anticipated worksite conditions. The best management practices (BMPs) depicted on the site plan and described in this narrative should be considered the minimum measures required to control erosion, sedimentation, and stormwater runoff at the site. Since construction is a dynamic process with changing site conditions, it is the operator's responsibility to manage the site during the construction phases so as to prevent pollutants from leaving the site. This may require the operator to revise and amend the SWPPP during construction to address varying site and/or weather conditions, such as by adding or realigning erosion or sediment controls.

It is the responsibility of the RIDOT Resident Engineer to maintain the SWPPP, including all attachments, amendments and inspection records, at the project field office and to make all records available for inspection by RIDEM during construction.

The RIDOT Resident Engineer and designated Inspector are required to review the SWPPP and sign the Party Certification pages (Section 8). The prime contractor and all subcontractors involved in earthwork or exterior construction activities are also required to review the SWPPP and sign the certification pages before construction begins.

Any questions regarding the SWPPP, BMPs, inspection requirements, or any other facet of this document may be addressed to the RIDOT Natural Resources Unit at 401-222-2023.

Please note: Even if practices are correctly installed on a site according to the approved plan, the site is only in compliance when erosion and sedimentation are effectively controlled throughout the entire site.

SECTION 1: SITE DESCRIPTION

1.1 Project/Site Information

The Rhode Island Department of Transportation (RIDOT) is currently undertaking a program of stormwater management improvements throughout the state, which are being implemented in accordance with the Department's 2015 Consent Decree with the US Environmental Protection Agency (EPA) and its obligations as a permittee under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Stormwater Program.

Based on watershed planning studies and site feasibility assessments, the RIDOT is proceeding with construction of a retrofit Stormwater Treatment Unit (STU) in the grassed shoulder between Cherry Hill Road and a residential frontage road (Old Cherry Hill Road) in Johnston, Rhode Island. The location of this STU is depicted on the Location Map provided as Attachment C of this SWPPP.

1.2 Nature and Sequence of Construction Activity

Depicted on the Contract Plans, the project will involve the construction of a new bioretention basin in the grassed shoulder along the outside (southerly) shoulder of the bend in Cherry Hill Road, approximately ½ mile east of its intersection with Atwood Avenue (Route 5). This work will involve the modification of existing closed drainage structures along the northerly shoulder, along with new structures and drainage piping, (to divert first-flush runoff to the basin for treatment; selective clearing, excavation and grading of the shoulder for installation of the bioretention facility proper, construction of a new outlet/discharge structure over the existing frontage road outlet pipe; landscaping and permanent erosion control measures, and other appurtenant work. The anticipated sequence of construction is as follows:

- Mobilize, install erosion and sedimentation (E&S) controls, and establish site.
- Implement maintenance and protection of traffic / safety controls at designated locations.
- Conduct clearing/grubbing and rough grading of the bioretention area to accommodate both the relocation of existing gas services and placement of the bioretention filter media; provide temporary stabilization (jute mesh or erosion control blanket) for temporary stabilization of all basin slopes.
- Excavate and install all new drainage structures and piping at the locations and to the grades indicated on the plans, maintaining pre-project drainage and discharge patterns during construction until the basin is ready to accept runoff.
- Construct and finish grade the bioretention area, including bioretention media, slopes, permanent erosion protection, Old Cherry Hill road edge treatment (including lip curb at inlet) and finish landscaping.
- Once basin is stabilized vegetated to accept runoff, remove plugs on contributing inlets and outlet structure and bring system online.
- Remove all traffic and E&S controls from the site and demobilize.

Estimated Project Start Date: 2019 (TO BE DETERMINED UPON CONTRACT AWARD)

Estimated Project Completion Date: TO BE DETERMINED UPON CONTRACT AWARD

Estimated Number of Months: TO BE DETERMINED UPON CONTRACT AWARD

1.3 Construction Site Estimates

The following are estimates of the construction site:

Total Project Area	1.2 acres (total RIDOT ROW)
Construction Site Area to be disturbed	0.3 acres (bio. area and temp. ex. trenching in roadway)
Percentage impervious area <u>before</u> construction	65 %
Percentage impervious area <u>after</u> construction	65 %

1.4 Potential Discharges

Environmentally Sensitive Areas	Construction Site Discharges to: (Yes / No)	List discharge point & indicate how determination was made
Waters of the State	Yes	The existing closed system at the subject bend in Cherry Hill Road discharges north to wetlands forming the headwaters of a tributary to the Assapumpset Brook (RI0002007R-01). For conditions exceeding the infiltration capacity of the retrofit bioretention basin, outflows will continue to discharge at this location. [Project mapping, record plans, RIGIS/RIDEM data]
Wetlands (Coastal or Upland)	No	See response above. [Project mapping, record plans, RIGIS/RIDEM data]
Separate Storm Sewer System	Yes	Closed drainage facilities along Cherry Hill Road are part of the RIDOT MS4. [Project mapping, record plans]
303(d) impaired waters	No	The Assapumpset Brook (RI0002007R-01) listed as Category 4A (impaired or threatened / TMDL completed) in the most recent RIDEM Integrated Water Quality Monitoring and Assessment Report. A bacteria TMDL has been effected for this waterbody. [RIGIS/RIDEM data]

TMDL waters	Yes	See response above. The retrofit STU is being constructed at this location for the purpose of addressing the bacteria impairments to the waterbody described and quantified in the TMDL document. [RIGIS/RIDEM data]
Special Resource Protection Waters (SRPWs)	No	The Assapumpset Brook is not a SRPW. [RIGIS/RIDEM data]
Cold Water Fisheries	No	The Assapumpset Brook is not a cold water fishery. [RIGIS/RIDEM data]
Natural Heritage Areas	No	The project area does not lie within or intersect any NHA. [RIGIS/RIDEM data]
Historic/Cultural Areas	No	[RIGIS/RIDEM data]
Permanent Stormwater Structures (swales, outfalls, treatment units, etc.)	Yes	The existing closed system outfall is located below the inside (northerly) bend in Cherry Hill Road. No modifications to this outfall are proposed.

1.5 Allowable Non-Storm Water Discharges

RIPDES Construction General Permit – IV.E.1.g

Are there allowable non-storm water discharges on or near the project area?

☐ Yes ☒ No

List of allowable non-stormwater discharges:

- N/A

Are there any known or contaminated discharges, including dewatering operations, on or near the project area?

☐ Yes ☒ No

If yes, list the discharges and the RIPDES individual permit number(s) or RIPDES Remediation General Permit Authorization number(s) associated with these discharges.

- RIPDES individual permit number : N/A
- RIPDES Remediation General Permit Authorization number: N/A

1.6 Potential Sources of Pollution

Check the potential pollution sources that may reasonably be expected to affect the quality of storm water discharges from the site

Anticipated on this Project (Y/N)	Operation/ Location	Stormwater Pollutants
Y	Clearing, grading, excavating, and unstabilized areas	Sediment; Trash/Debris
N	Construction Entrance	Sediment
Y	Soil Stockpiles	Sediment
Y	Paving operations	Sediment; Trash/Debris
N	Concrete washout and waste	Heavy metals; pH; Trash/Debris
Y	Structure construction/ painting/ cleaning	Nutrients; pH; Trash/Debris; Toxic chemicals
N	Demolition and debris disposal	Sediment; Trash/Debris
N	Dewatering operations	Sediment; Nutrients
N	Drilling and blasting operations	Sediment; pH; Trash/Debris
Y	Material delivery and storage	Sediment; Nutrients; Heavy metals; pH; Pesticides/Herbicides; Oil/Grease; Trash/Debris; Toxic chemicals
Y	Material use during building process	Nutrients; heavy metals; pH; pesticides/herbicides; oil/grease; trash/debris; toxic chemicals
Y	Solid waste/ trash/ debris	trash/debris; toxic chemicals
N	Hazardous waste	heavy metals; pH; pesticides/herbicides; oil/grease; toxic chemicals
N	Contaminated spills	Nutrients; heavy metals; pH; pesticides/herbicides; oil/grease; toxic chemicals
N	Sanitary/septic waste	Nutrients; pH; Bacteria/Viruses; toxic chemicals
N	Vehicle/equipment fueling and maintenance	Oil/Grease; Toxic chemicals; fuel
Y	Vehicle/equipment use and storage	Oil/Grease; Toxic chemicals
Y	Landscaping operations	Sediment; Nutrients; Trash/Debris
N	Off-site LUHPPL run-on	Industrial toxins; oil/grease; heavy metals; fuel; salt; hazardous materials
N	Other:	

1.7 Site Plans

TITLE & DATE OF PLAN SET(S): Rhode Island Department of Transportation, **Priority 1 Stormwater Treatment Unit, STU_010 - Cherry Hill Road**

R.I.C. NO. 2019-CM-063 (11 Sheets; Date: May, 2019)

** Information from approved Advertising Plan Set to be added above. See Sections 6 (Amendments) and 7 (Recordkeeping).*

- ☐ Total area of development
- ☐ Total area of soil disturbance
- ☐ Areas that will not be disturbed
- ☐ The location of all erosion and sediment controls
- ☐ Locations of storm drain inlets and outfalls
- ☐ The location and name of the receiving waters or separate storm sewer system and the ultimate receiving waters
- ☐ Location and name of all waters of the State, including wetlands
- ☐ Location of environmentally sensitive features/areas to be protected (Section 1.4)
- ☐ Constraint locations of material storage areas, equipment storage areas, concrete washouts, dumpsters, stockpiles, fueling locations etc.
(i.e. locations where these activities will not occur)

SECTION 2: EROSION AND SEDIMENTATION CONTROLS

What is a BMP?

Erosion and Sedimentation controls are Best Management Practice (BMP) devices, practices, or methods for preventing storm water pollutants from leaving the construction site and reaching environmentally sensitive areas. The most common BMPs are silt fence, hay bales, and filter socks, but a BMP can also be a policy or procedure like construction sequencing and street sweeping. The objectives of erosion and sediment controls are to minimize the potential for erosion and sedimentation during construction activities.

If BMPs are not depicted on the approved plan set, but erosion or sedimentation is occurring, appropriate BMPs must be installed as directed by the RIDOT Resident Engineer.

For this construction project, please check any BMPs that will be utilized on-site. This section may be amended at any time during the project. To check the BMP, you may copy/paste this symbol: ☒

☒ 2.1 Minimize Disturbed Area and Protect Natural Features

Limiting the disturbed areas as much as possible leaves natural vegetation to serve as the erosion control. Preservation of topsoil is also important – layers underneath topsoil are much more prone to erosion and have less absorption capacity.

The nature of the retrofit STU installation is such that much of the existing grassed shoulder will need to be disturbed (including select tree removal) to accommodate the new bioretention facility. A design has been developed that includes appropriate landscaping and replacement plantings to stabilize and re-vegetate the area. Prior to any land disturbance activities commencing on the site, the Contractor will physically mark limits of disturbance (LOD) on the site and install appropriate controls (including RIDOT-standard compost filter sock, inlet protection devices) at the locations indicated on the plans.

☒ 2.2 Phase Construction Activity

Proper sequencing of construction activities is essential to maximize the effectiveness of erosion and sediment control measures.

At a minimum, construction sequencing and timing of construction activities will include:

1. Before any earthwork begins, erosion and sediment controls will be installed as depicted on the Approved Plans, and in accordance with all applicable sections of the RIDOT Standard Specifications. Upon acceptable completion of site preparation and installation of erosion and sediment controls, site construction activities may commence.
2. While earthwork is being done, routine inspection and maintenance and/or modification of erosion and sediment controls will be performed.
3. Final stabilization of any disturbed areas after earthwork has been completed.

- The retrofit facilities to be installed will be constructed over a relatively short duration (and will be sequenced in the manner described herein) to ensure that the STU and receiving features are protected from erosion and sedimentation impacts. Discrete phasing of the work is not required given the limited scope and scale of the project.

☒ 2.3 Control Stormwater Flowing Onto & Through Project

Stormwater flow protection is necessary to prevent concentrated stormwater flows from coming on to the project site &/or moving through the project site.

Structural BMPs will be used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.

BMPs will be installed as depicted on the approved plan set and in accordance with applicable RIDOT Standard Specifications.

Control measures that may be used, upon approval, include hay bales/silt fencing, compost filter socks, fiber rolls, gravel bag berms, slope drains, check dams, and riprap.

- The existing closed drainage system presently serving the subject segment of Cherry Hill Road (which includes the single gutter inlet draining Old Cherry Hill Road at its low point) will remain functional for the duration of the work. Inlets will be provided with appropriate protection devices (filter bags or flow through sock/barriers) until the work is complete, at which time diversion pipes will be unplugged to bring the bioretention facility online. Flow to the Old Cherry Hill Road inlet will be maintained during construction of the basin through the placement of temporary berms (e.g., sand bags) along the edge of existing pavement.

☒ 2.4 Stabilizing Soils

Phased Clearing & Grubbing:

Only areas that can be reasonably expected to have active construction work being performed within 21-days of disturbance will be cleared/grubbed at any one time. It is NOT acceptable to clear and grub the entire construction site if disturbed portions will not be active within the 21-day time-frame.

Clearing/Grubbing will not take place during a rain event if erosion is likely to occur; nor will it occur if a rain event is forecasted and appropriate erosion controls can not be installed prior to the storm and in accordance with section 201, 206 through 211 of the RIDOT standard specifications.

No undisturbed areas will be cleared of existing vegetation after October 15th 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 will 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 RI Soil Erosion and Sediment Control Handbook (as amended). 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.

As per RIDOT Standard Specification 201.03.1 – Clearing and Grubbing:

After clearing, and by the end of each day's grubbing operation, the Contractor will install erosion control measures that are indicated on the Plans or as directed by the Engineer. Such erosion control measures will be installed in strict accordance with the requirements of **SECTIONS 206,**

207, and 208 of these Specifications, **PERIMETER EROSION CONTROLS, CHECK DAMS, and TEMPORARY DEWATERING BASINS**, respectively.

Initiating Stabilization Practices

Upon completion and acceptance of site preparation and initial installation of erosion and sediment controls the operator will initiate appropriate stabilization practices during all phases of construction on all disturbed areas as soon as possible but not more than fourteen (14) days after the construction activity in that area has temporarily or permanently ceased, unless the activity is to resume within twenty one (21) days.

Any disturbed areas that will not have active construction activity occurring within twenty one (21) days must be stabilized using the BMPs depicted on the approved plan set and in accordance with RIDOT Standard Specifications Section L.02 – Seeding, Section L.05 - Seed Stabilizers and Section M.18 – Landscape Materials (M.18.08 – Mulch and M.18.09 – Seed Stabilizer Materials).

Maintaining Stabilization

Controls and methods that may be used to maintain soil stabilization include the placement of geotextiles, erosion control blankets/mats, and temporary seeding. If the stabilization BMPs fail and erosion occurs, then alternative control measures &/or methods may need to be substituted.

- Slopes excavated in the construction of the bioretention area (to subgrade) will be stabilized through the application of jute mesh, erosion control blanket, or other application fit for purpose and approved by RIDOT. Given the small area of the basin (less than ¼ acre), stabilization shall be achieved shortly following excavation/grading.

☒ 2.5 Protect Slopes

Slope protection is necessary to prevent concentrated stormwater flow from eroding the slope.

Structural BMPs will be used to temporarily conduct concentrated stormwater runoff safely down the face of a cut or fill slope without causing erosion on or below the slope.

BMPs will be installed as depicted on the approved plan set and in accordance with applicable RIDOT Standard Specifications.

Control measures that may be used, upon approval, include temporary slope drains, compost filter socks, fiber rolls, gravel bag berms, erosion control mats/blankets, and temporary vegetative cover.

- See bullet item under 2.4 above. Slopes shall be protected in accordance with the plans, details and notes thereon.

☒ 2.6 Protect Storm Drain Inlets

Inlet protection is necessary to prevent sediment and debris from entering the storm drain system.

Structural BMPs will be used to protect ALL stormwater inlets &/or catch basins that may receive sediment-laden stormwater flow.

BMPs will be installed as depicted on the approved plan set and in accordance with applicable RIDOT Standard Specifications.

Control measures that may be used, upon approval, include catch basin inserts, compost filter socks, fiber rolls, and gravel bag berms.

- As Depicted on the Contract Plans, all inlets will be provided with appropriate protection devices for the duration of the work. These shall be cleaned and maintained in accordance with RIDOT Standard Specifications and construction stormwater best practices.

☐ 2.7 Protect Storm Drain Outfalls

Outfall protection is necessary to prevent scour or severe erosion at discharge points. Outfalls often have high velocity, high volume flows, and require strong materials that will withstand the forces of the water. The function of these BMPs is to protect the soil surface, reduce velocity, and promote infiltration. Storm drain outlet BMPs also offer a last line of protection against sediment entering environmentally sensitive areas.

Structural BMPs will be used to protect ALL stormwater outfalls that may discharge sediment-laden stormwater flow.

BMPs will be installed as depicted on the approved plan set and in accordance with applicable RIDOT Standard Specifications.

Control measures that may be used, upon approval, include compost filter socks, fiber rolls, gravel bag berms, and rip-rap.

- The single closed system outfall along the northerly side of Cherry Hill Road will be maintained as-is due to its depressed location and proximity to downgradient wetlands. The outfall channel will be protected from sedimentation through the proper installation and maintenance of controls in upper portions of the system (e.g., inlet protection).

☒ 2.8 Establish Perimeter Controls and Sediment Barriers

Perimeter controls and sediment barriers are necessary to prevent sediment and debris from leaving the construction site.

Structural BMPs will be used to establish perimeter barriers that will stop sediment-laden stormwater flow from leaving the construction site.

BMPs will be installed as depicted on the approved plan set and in accordance with applicable RIDOT Standard Specifications.

Control measures that may be used, upon approval, include baled hay &/or silt fence, compost filter socks, fiber rolls, and gravel bag berms.

- As directed by the Engineer, RIDOT-standard compost filter sock (CFS) will be installed as required to prevent the ingress of sediment to the basin excavation area and closed drainage system. All CFS shall be installed and maintained in accordance with RIDOT Standard Specifications and the *RI Soil Erosion and Sediment Control Handbook*.

☐ 2.9 Retain Sediment On-Site and Control Dewatering Practices

(N/A, no dewatering required for installations)

Sediment traps, basins, and barriers are used to retain sediment on the site to protect streams, lakes, drainage systems, and adjacent property. These devices are used at the outlets of channels, diversions, and other runoff conveyance measures to allow sediment-filled water to pool and sediment to settle. These measures are often used as the last line of defense to stop sediment from leaving the site.

The dewatering of non-contaminated non-stormwater (i.e. groundwater) or accumulated precipitation discharge of sediment-laden water into storm drains, streams, lakes or wetlands prior to sediment removal is prohibited.

The dewatering of contaminated non-stormwater cannot be discharged without prior notice and approval from either the Rhode Island Department of Environmental Management (RIDEM) or the Coastal Resources Management Council (CRMC). Should dewatering of contaminated water be occurring on this construction project, appropriate permits will have been obtained, and will be included as part of the Contract Documents.

Describe controls, including design specifications and details, to be used to retain sediments on-site. Describe dewatering practices that will be implemented if water must be removed from an area so that construction activity can continue.

- Dewatering operations are not anticipated for construction of the bioretention basin. Any sediments collected by temporary controls shall be removed and legally disposed of.

☒ 2.10 Monitoring Weather Conditions

Care will be taken to avoid having unstabilized areas exposed during precipitation events. Weather forecasts will be routinely checked, and in the case of an expected precipitation event of over 0.25-inches over a 24-hour period, all BMPs will be inspected, and maintained as necessary, prior to the weather event.

In the case of an extreme weather forecast (greater than one-inch of rain over a 24-hour period), additional erosion/sediment controls will be installed where appropriate.

List the weather gauge station that will be utilized to monitor weather conditions on the construction site. See www.wunderground.com or www.weather.gov for available stations.

- Green Airport (KPVD), Warwick, RI
<https://www.wunderground.com/weather/us/ri/green-state/KPVD>

SECTION 3: GOOD HOUSEKEEPING BMPS

The purpose of good housekeeping is to prevent daily construction operations and activities from causing pollution.

For this construction project, please check any BMPs that will be utilized on-site. This section may be amended at any time during the project.

To check the BMP, you may copy/paste this symbol: ☒

☐ 3.1 Off-site Tracking of Sediments

Any construction site access point must employ the BMPs depicted on the approved plan set and in accordance with RIDOT Standard Specifications Section 211 – Construction Accesses, or any method approved of by the RIDOT Resident Engineer and the RIDOT Natural Resources Unit. Construction accesses will be used in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by construction vehicles. All RI STD 9.9.0 Construction Access roads will be constructed prior to any roadway accepting construction traffic.

If a Construction Access BMP is not designated on the plans, it is still the responsibility of the Operator to ensure that no sediment is tracked off of the construction site by any vehicles leaving the site. Additional control measures that may be used, upon approval, include a vehicle washing station and/or daily street sweeping.

The Operator will remain responsible for the clean-up of any mud or dirt that is tracked onto streets or paved areas, even with the installation of gravel construction entrances. Inspect access for excessive sediment build up. Remove sediment and rebuild the exit as necessary to retain effectiveness and prevent off-site tracking. Additional street cleaning may be required if unable to retain sediment on site.

- The basin location between highway and frontage roads, along with its small area and narrow footprint preclude the use of RIDOT-standard crushed stone construction accesses. Construction access will occur primarily via Old Cherry Hill Road, and if any evidence of sediment tracking is observed on to this or other roadways in the area, appropriate corrective measures will be implemented (e.g., controlled washdown of vehicles).

☒ 3.2 Waste Disposal

Building materials and other construction site wastes will be properly managed and disposed of to prevent the discharge of solid materials from wind and precipitation. All types of waste generated at the site will be disposed of in a manner consistent with State Law and/or regulations.

- The waste collection area will not be within any of the constraint areas located on the "Constraint Map" (Section 1.7) and will be approved by the RIDOT Resident Engineer.
- All waste containers will be covered to avoid contact with wind and precipitation.
- Waste collection will be scheduled frequently enough to prevent containers from overfilling.

- All construction site wastes will be collected, removed, and disposed of in accordance with applicable regulatory requirements and only at authorized disposal sites.
- Equipment and containers will be checked for leaks, corrosion, support or foundation failure, or other signs of deterioration. Those that are found to be defective will be immediately repaired or replaced.

□ 3.3 Spill Prevention and Control Plan (N/A, contractor to provide)

Spills and leaks will be avoided through frequent inspection of equipment and material storage areas. Heavy equipment and other vehicles will be routinely inspected for leaks and repaired as necessary. Material storage areas will be routinely inspected for leaky containers, open containers, or improper storage techniques that may lead to spills or leaks. Appropriate cleanup procedures and supplies will be available on-site.

Spills will be cleaned up immediately and following proper response procedures and in accordance with any applicable regulatory requirements. At no time will spills be cleaned and flushed down storm drains or in to any environmentally sensitive area (i.e. stream, pond, wetland).

Equipment/vehicle fueling and repair/maintenance operations or hazardous material storage will not take place within any of the constraint areas located on the "Constraint Map" (Section 1.7) and will be approved by the RIDOT Resident Engineer.

□ 3.4 Control of Allowable Non-Storm Water Discharges (N/A, no allowable non-stormwater discharges)

Non-storm water discharges will be controlled to reduce the likelihood of contamination. Allowable discharges will be kept separate from stormwater flow through the use of BMPs.

For contaminated non-stormwater discharge(s), the requirements and regulations of the associated RIPDES individual permit or RIPDES Remediation General Permit will be adhered to at all times.

☒ 3.5 Establish Proper Building Material Staging Areas

Stock pile management consists of procedures and practices designed to minimize or eliminate the discharge of stockpiled material (soil, topsoil, base material, rubble) from entering drainage systems or water courses.

Stock piles will not be located within any of the constraint areas located on the "Constraint Map" (Section 1.7) and will be approved by the RIDOT Resident Engineer. They will have side slopes no greater than 30% and stockpiles of erodible material will be seeded and ringed with RI STD 9.1.0 to stabilize (or RIDOT approved equivalent: berms, dikes, fiber rolls, compost socks, sandbag, gravel bags).

If soil stockpiles are not stabilized with vegetation, then they will be securely covered at the end of each workday.

All chemicals and/or hazardous waste material must be stored properly and legally in covered areas, with containment systems constructed in or around the storage areas. Areas must be designated for materials delivery and storage. Designated areas will not be located within any of the constraint areas located on the "Constraint Map" (Section 1.12) and will be approved by the RIDOT Resident Engineer.

- It is anticipated that small quantities of excavated material and backfill (e.g. bioretention sand) will require temporary stockpiling during active construction operations. Should longer-term stockpiling

and laydown of equipment be necessary, the vacant RIDOT Maintenance Facility at 317 Cherry Hill Road (approximately 500 feet east of the project) may potentially be utilized for such purposes. The requirements set forth in the RIDOT Standard Specifications and in this SWPPP shall apply to any off-site stockpiling.

☐ **3.6 *Designate Washout Areas***

Concrete mixer trucks and chutes will be washed in a designated area or concrete wastes will be properly disposed of off-site. Washout areas for concrete, paint or any other material will not be within any of the constraint areas located on the "Constraint Map" (Section 1.12) and will be approved by the RIDOT Resident Engineer.

Temporary concrete washout areas must be constructed and maintained to contain all water and concrete waste generated by washout operations. A sign should be placed at the washout site to inform concrete equipment operators of the facility location. Facilities must be cleaned or replaced when they reach 75% capacity.

At no time will any material (concrete, paint, chemicals) be washed into storm drains, open ditches, streets, streams, wetlands, or any environmentally sensitive area. The site operator must ensure that construction waste is properly and legally disposed of, to avoid exposure to precipitation, at the end of each working day. Designated areas will not be located within any of the constraint areas located on the "Constraint Map" (Section 1.12) and will be approved by the RIDOT Resident Engineer.

- Apart from small quantities of grout and mortar used to seal pipe connections, no material quantities of concrete will be used for construction of the retrofit bioretention facility. All new drainage structures will be precast, and no concrete washout will be permitted on-site.

☐ **3.7 *Establish proper equipment/vehicle fueling & maintenance practices (N/A, no equipment/vehicle fueling or maintenance will be permitted on-site)***

Vehicle fueling, maintenance and/or washing will occur off-site, or in designated areas. Designated areas will not be located within any of the constraint areas located on the "Constraint Map" (Section 1.7) and will be approved by the RIDOT Resident Engineer.

Areas will be clearly designated, and berms, sandbags, or other barriers will be used around the perimeter of the maintenance area to prevent storm water contamination.

Construction vehicles will be inspected frequently for leaks. Repairs will take place immediately. Disposal of all used oil, antifreeze, solvents and other automotive-related chemicals will be according to applicable regulations; at no time will any material be washed down the storm drain or in to any environmentally sensitive area.

☒ **3.8 *Dust Control***

Dust control procedures and practices will be used to suppress dust on a construction site during the construction process, as applicable. Precipitation, temperature, humidity, wind velocity and direction will determine amount and frequency of applications. However, the best method of controlling dust is to prevent dust production. This can best be accomplished by limiting the amount of bare soil exposed at one time. RIDOT Standard Specifications Section 907 – Dust Control – will be followed.

Dust Control methods may include watering, surface roughening, wind barriers, walls, and covers.

☒ 3.9 *Sweeping*

Sweeping of streets, roads, highways and parking lots that have accumulated significant amounts of pollutants (construction site sediment, trash, debris) will be done as necessary, or as directed by the RIDOT Resident Engineer. When construction exits are not keeping construction site sediment from the roadway, sweeping will be done on a daily basis. Disposal of collected sweeping material will follow RIDOT Standard Specifications Section 931 – Cleaning and Sweeping Pavement.

SECTION 4: POST-CONSTRUCTION BMPs

Post-Construction Best Management Practices are BMPs that are installed during the Construction Phase of a project to manage storm water flow after the construction is completed.

Measures must be used during the construction project to protect permanent or long term BMPs as they are installed so that they will function properly when they are brought online at the end of the construction phase.

Such long-term BMPs may include: infiltration basins, open vegetated swales and natural depressions, vegetated buffer strips, and detention/ retention structures. Controls may also be needed to prevent or minimize erosion at outfall locations or along the length of vegetated channels to reduce velocity flow from the structure to the receiving waters.

Control measures that may need to be implemented during the construction phase typically include measures to ensure proper installation and/or long term functioning of the long-term BMPs. Examples include: ensuring proper material staging areas and equipment routing to avoid compaction of soil in areas meant for permanent BMPs, and final cleaning of structural BMPs before construction finalization.

4.1 Post-Construction BMPs

For each permanent BMP, identify measures that are required to protect the BMP during the construction phase of the project to ensure that they will function appropriately once they are brought online.

Location	Post-Construction BMP	Protective Measures
	Bioretention Basin	Bioretention basin shall be constructed in accordance with Appendix F.5.2 of the <i>RI Stormwater Design and Installation Standards Manual</i> , including protection of subgrade and finish grade from compaction. Measures described in this SWPPP will be employed to prevent construction erosion and sedimentation from adversely impacting the function and efficacy of the STU.

SECTION 5: MAINTENANCE and INSPECTIONS

RIPDES Construction General Permit – Section IV.E.2.d

5.1 Maintenance

Maintenance procedures for erosion and sedimentation controls and stormwater management structures/facilities are described on the approved plan set and in Section 212 of the RHODE ISLAND DEPARTMENT OF TRANSPORTATION Standard Specifications for Road and Bridge Construction 2004 EDITION (and Amendments).

Erosion and pollution controls will be maintained by the Contractor to the satisfaction of the Engineer. Erosion and pollution controls must be able to prevent, under normal weather conditions, both the movement of soil materials and the intrusion of sediment-laden discharges into environmentally sensitive areas.

Construction will not commence or continue until all specified erosion and pollution controls are in place, properly installed and accepted by the Engineer.

Erosion and pollution controls will be cleaned when sediment deposits reach the heights indicated in the table provided in Section 212.03.1 of the RIDOT Standard Specifications, after a rainstorm as necessary; and/or when directed by the RIDOT Resident Engineer.

Erosion control structures will remain in place until all disturbed earth has been securely stabilized and accepted by RIDOT. Before final removal, all accumulated sediment on the upstream side will be removed and legally disposed of. After removal of structures, disturbed areas will be regraded and stabilized as necessary.

BMPs will be maintained in effective operating condition by appropriate means. Upon identification of BMPs that are not operating effectively, maintenance and/or appropriate means will be performed as soon as practicable.

Timely maintenance of the control measures identified in this SWPPP will be ensured by weekly and post-storm event site inspections. These site inspections are a condition and requirement of the RIDOT Stormwater Management Program Plan.

Please Note: The contractor is required to have a full-time, on-site designated contact person responsible for working with the RIDOT Resident Engineer and the RIDOT designated Environmental Compliance Manager (EMC) to resolve SWPPP-related issues.

5.2 Inspections

Minimum Monitoring and Reporting Requirements

The construction site must be inspected at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event which generates at least 0.25-inches of precipitation per twenty four (24) hour period and/or after a significant amount of runoff or snowmelt. An appropriate rain gauge (as may be found on www.wunderground.com or www.nws.noaa.gov (or similar sites)) must be identified and utilized for the determination of the storm events.

General Notes

- The RIDOT Designated Inspector will prepare a separate inspection report for each inspection.
- The Inspection Reference Number will be a combination of the **Construction Contract Number** - **consecutively numbered inspections**.
ex/ Inspection reference number for the 4th inspection of a project would be:
2011-AA-BBB-4
- Each report will be signed and dated by the Inspector and forwarded to the Engineer within 24 hours of the inspection.
- Each report will be signed and dated by the Engineer and forwarded to the Contractor's designated representative.
- Each report will be signed and dated by the Contractor upon receipt.
- If Corrective Actions are required, the Contractor will initiate appropriate measures within 24 hours of receiving of the inspection report.
- It is the responsibility of the RIDOT Resident Engineer to maintain a copy of the SWPPP, copies of all completed inspection reports, and amendments as part of the SWPPP documentation at the project field office during construction.

ATTACHMENT A: Inspection Report

5.3 *Corrective Actions*

If, in the opinion of the Resident Engineer, corrective action is required, the Resident Engineer will note it on the inspection report and will notify and direct the Contractor to take corrective action and make all necessary repairs whenever maintenance of the erosion and pollution controls is required.

In accordance with Section 212 of the RIDOT Standard Specifications, the Contractor will commence with the requisite cleaning and maintenance measures no later than the next consecutive calendar day after receiving such a directive from the Engineer, and will aggressively and expeditiously perform such cleaning and maintenance work until the original problem is remedied to the complete satisfaction of the Engineer.

If the Engineer decides on any given day that those erosion and pollution controls specified in the Contract are not in place or have not been adequately maintained as specified in this Section, the daily charge set forth in Special Provision Code 212.1000 will be deducted from monies due the Contractor as a charge for failure to comply with this Specification. Moreover, the stated daily charge will continue each consecutive calendar day thereafter until the deficiencies noted have been corrected to the complete satisfaction of the Engineer.

SECTION 6: Amendments

This SWPPP is intended to be a working document.

It is expected that amendments will be required throughout the construction of the project.

Even if practices are installed on a site according to the approved plan, the site is only in compliance when erosion and sedimentation are effectively controlled throughout the entire site.

The SWPPP will be amended whenever there is a change in design, construction, operation, maintenance or other procedure which has a significant effect on the potential for the discharge of pollutants, or if the SWPPP proves to be ineffective in achieving its objectives (i.e. the selected BMPs are not effective in controlling erosion or sedimentation).

All revisions must be recorded in the Record of Amendments Log Sheet within the SWPPP, and dated red-line drawings and/or a detailed written description must be appended to the SWPPP. Inspection Forms must be revised to reflect all amendments. Update the Revision Date and the Version # in the footer of the Report to reflect amendments made.

All SWPPP Amendments, except minor non-technical revisions, must be approved by the Resident Engineer.

Attach a copy of the Amendment log

- ATTACHMENT B: Amendment Log

SECTION 7: Recordkeeping

It is the RIDOT Resident Engineer's responsibility to have the following documents at the Field Office and immediately available for review upon request:

- A copy of the fully signed and dated SWPPP
- Copies of all signed and dated Inspection Reports
- Amendment Log
- Any Regulatory permits obtained as part of the Project

SECTION 8: Party Certifications

All parties working for the Rhode Island Department of Transportation are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that is performed on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. Contractors and Sub-Contractors are encouraged to advise all employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the RIDOT Field Office, or may be obtained from the RIDOT Natural Resources Office by calling (401) 222-2023.

The prime contractor and each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement.

I acknowledge that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

RIDOT Resident Engineer:

Joseph Baker, PE, PMP
Manager, Project Management
Office of Stormwater Management
360 Lincoln Avenue, Warwick, RI 02888
Joseph.baker@dot.ri.gov

signature/date

RIDOT SWPPP Inspector:

Heather Hamilton
Sr. Environmental Scientist
Office of Stormwater Management
360 Lincoln Avenue, Warwick, RI 02888
401-479-6032
heather.hamilton@dot.ri.gov

signature/date

Contractor SWPPP Contact:

Insert Company or Organization Name
Insert Name & Title
Insert Address
Insert City, State, Zip Code
Insert Telephone Number, Insert Fax/Email

signature/date

SubContractor SWPPP Contact:

Insert Company or Organization Name
Insert Name & Title
Insert Address
Insert City, State, Zip Code
Insert Telephone Number, Insert Fax/Email

signature/date

Insert more contact/signature lines as necessary

SWPPP APPENDICES

Attachment A

Amendments Log

Attachment B

Small-Site SWPPP Inspection Report -- Instructions

Small-Site SWPPP Inspection Report

Attachment C

Location Map

Amendment Log

ALL AMENDMENTS MUST BE APPROVED BY RIDOT RESIDENT ENGINEER

Describe amendment to be made to SWPPP, the date, and the person/title making the amendment. ALL amendments must be approved by the RIDOT Resident Engineer.

	Date	Description of Amendment	R.E. initials
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Add more lines/pages as necessary

Small-Site SWPPP Inspection Report Instructions

For all projects with **less than one (1) acre of soil disturbance**, RIDOT is required to develop and enforce a Site-Specific Storm Water Pollution Prevention Plan (SWPPP) in order to remain in compliance with RIDOT's Stormwater Management Program Plan. As part of the SWPPP, a site-specific inspection report must be created and utilized.

Preparing the Inspection Report

This inspection report template has been provided by RIDOT for the development of the site-specific SWPPP Inspection Report. It must be customized for each individual Project to meet the requirements of the RIPDES Construction General Permit.

It is expected that this Inspection Report will be prepared as part of the preparation of the site-specific SWPPP. This inspection report template is designed to be customized according to the SWPPP document (initially) and then customized based on conditions at the site.

Review the site-specific SWPPP and the Plans to develop the inspection report. On a copy of the site plan, number all stormwater BMPs and areas of the site that will be inspected. Include both structural (basins, outlet protection, swales, etc) and non-structural (construction entrances, perimeter barriers, trash areas, etc) BMPs and areas that will be inspected. Also identify all point source outfalls, areas of highly erodible soils, and the priority natural resource areas (i.e. streams, wetlands, mature trees, etc). List each BMP or area to be inspected separately in the site-specific BMP section of the inspection report.

An appropriate rain gauge must be identified and utilized for the determination of the storm events. Rain gauges may be found on www.wunderground.com, www.nws.noaa.gov (or similar sites).

Small-Site SWPPP Inspection Report Instructions for:

Resident Engineer

- The RIDOT Resident Engineer (RE) must review the SWPPP and sign the Certification Statement for RIDOT Resident Engineer in Section 8. If the RE has any questions, contact the RIDOT Natural Resources Unit at 401-222-2023.
- The Resident Engineer (RE) may be the Inspector, or the RE may designate another RIDOT employee as the Inspector. The RE, or the designated inspector, must sign the Certification Statement for RIDOT SWPPP Inspector in Section 8.
- **It is the responsibility of the RIDOT Resident Engineer to start the SWPPP Inspections BEFORE EARTHWORK BEGINS.** Earthwork is NOT allowed to proceed until a SWPPP Inspection of the site has been completed.
- After an Inspection has been performed, the RE must sign the 'acknowledgement' certification on Page 1 of the Inspection Report at time of receipt from the Inspector.
- The RE must review the Inspection Report within 24-hours of receipt.
 - If the RE agrees with the Inspection report, the RE must:
 - Fill out the "NOTICE TO CONTACTOR" box on the last page of the Report
 - Have the Contractor sign the 'acknowledgement' certification on Page 1
 - Make a copy of the Inspection Report with all 3 signatures for the Contractor's use
 - If the RE disagrees with a corrective action item, the RE must:
 - Document objection with each item and provide justifiable reason in the inspection report. The contractor will not responsible for initiating corrective actions for such items. The RIDOT Natural Resources Unit will review such items if warranted.
 - Fill out the "NOTICE TO CONTACTOR" box on the last page of the Report
 - Have the Contractor sign the 'acknowledgement' certification on Page 1
 - Make a copy of the Inspection Report with all 3 signatures for the Contractor's use
- It is the responsibility of the RIDOT Resident Engineer to maintain a copy of the SWPPP, copies of all completed inspection reports, and amendments as part of the SWPPP documentation at the project field office during construction.

Small-Site SWPPP Inspection Report Instructions for:

INSPECTORS

- The RIDOT Resident Engineer (RE) may be the Inspector, or the RE may designate another RIDOT employee as the Inspector. The RE, or the designated inspector, must sign the Certification Statement for RIDOT SWPPP Inspector in Section 8.
- A separate inspection report will be prepared for each inspection.
- Complete any items that will remain constant, such as the project information and BMP locations and descriptions. Then print out multiple copies (double-sided!) of this customized inspection report to use during the inspections.
- The Inspection Reference Number shall be a combination of the **Construction Contract Number** - **consecutively numbered inspections**.
ex/ Inspection reference number for the 4th inspection of a project would be:
2006-AA-BBB-4
- Check the rain gauge for past & future weather data prior to inspection.
- Minimum Monitoring and Reporting Requirements
“...the site must be inspected at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event which generates at least 0.25-inches of precipitation per twenty four (24) hour period and/or after a significant amount of runoff or snowmelt.” (RIPDES CGP)
- When conducting the inspection, walk the site by following the site map and numbered BMPs locations for inspection. Also note whether the overall site issues have been addressed.
- Associated photos – each photo should be dated and have a unique identification # and written description indicating where it is located within the project area. If a close up photo is required, it should be preceded with a photo including both the detail area and some type of visible fixed reference point. Photos should be annotated with Station numbers and other identifying information where needed.
- For each inspection, the Inspector must determine if the Construction site is in compliance with the SWPPP, or not. The Inspector must check the appropriate check-box on Page 1 of the inspection report.
- Each report must be signed and dated by the Inspector, and forwarded to the Engineer within 24-hours of the inspection.

Small-Site SWPPP Inspection Report Instructions for:

INSPECTORS (continued)

- On a monthly basis, the inspector will submit copies of the Inspection Reports to: RIDOT Natural Resources Unit, Two Capitol Hill, Rm. 368, Providence, RI 02903
Monthly submission must include:
 - A copy of each completed, dated, and signed inspection report, including any associated photos
 - A copy of the daily rainfall summary data for the month as reported by the selected rain gauge. (i.e. the monthly calendar from www.wunderground.com).
 - Reports should be forwarded to the NRU by no later than the 10th of the month following the end of the reporting period.
 - Content, frequency, &/or submission format of inspection reports may be changed with approval of the applicable Natural Resources Unit personnel for the Project.
 - IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT THE NATURAL RESOURCES UNIT at 401-222-2023

Small-Site SWPPP Inspection Report Instructions for:

Contractor

- The Contractor must review the SWPPP and sign the Certification Statement for Contractor in Section 8.
- After an Inspection has been performed, the Contractor must sign the 'acknowledgement' certification on Page 1 at time of receipt from the Resident Engineer.
- The RE will provide a copy of the signed Inspection Report to the Contractor.
- **The Inspection Report serves as your RIDOT directive to proceed with corrective actions.**
- In accordance with the SWPPP and Section 212 of the RIDOT Standard Specifications, the Contractor will commence with the requisite cleaning and maintenance measures no later than the next consecutive calendar day after receiving such a directive from the Engineer, and will aggressively and expeditiously perform such cleaning and maintenance work until the original problem is remedied to the complete satisfaction of the Engineer.
- Progress on Corrective Action items will be documented by the Inspector in the subsequent inspections.

Inspector, Resident Engineer, & Contractor

Amendments

The SWPPP shall be amended whenever there is a change in design, construction, operation, maintenance or other procedure which has a significant effect on the potential for the discharge of pollutants, or if the SWPPP proves to be ineffective in achieving its objectives.

SWPPP Amendments may be recommended by any party, but all amendments must be approved by the Resident Engineer. The revision must be recorded in the Record of Amendments Log Sheet within the SWPPP, and dated red-line drawings and/or a detailed written description must be appended to the SWPPP. Inspection Forms must be revised to reflect all amendments by the Inspector.

Questions

Questions may be addressed to the RIDOT Natural Resources Unit, 2 Capitol Hill, Providence, RI 02903. 401-222-2023

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Small-Site SWPPP Inspection Report

Project Information			
Name/Location			
RIDOT Project Manager		RIDOT Resident Engineer	
Contractor		SWPPP Contact	
E&S Sub-Contractor		SWPPP Contact	
Inspection Information			
Inspector			
Inspection Date		Start/End Time	
Inspection Type <input type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event <input type="checkbox"/> Violation			
Weather Information			
Rain Gauge:			
Last Rain Event Date: Duration (hrs): Approximate Rainfall (in):			
Current Weather at time of this inspection:			
Weather Forecast at time of this inspection: (when is next precipitation or wind event anticipated?)			

Certification Statements		
Inspector: (check one) <input type="checkbox"/> I, as the designated Inspector, certify that this site has been inspected and is in compliance with the site-specific SWPPP. <input type="checkbox"/> I, as the designated Inspector, certify that this site has been inspected and I have made the determination that the site requires corrective actions before it will be compliant with the site-specific SWPPP. The required corrective actions are noted within this inspection report.		
Print Name:	Signature:	Date:
Resident Engineer: I, the RIDOT Resident Engineer, acknowledge the receipt of this SWPPP inspection report, and understand the requirements set forth in the RIDOT Standard Specifications and the Contract Documents regarding the implementation and maintenance of erosion and sedimentation controls.		
Print Name:	Signature:	Date:
Contractor: I, the designated Contractor representative, acknowledge the receipt of this SWPPP inspection report, and understand the requirements set forth in the RIDOT Standard Specifications and the Contract Documents regarding the implementation and maintenance of erosion and sedimentation controls.		
Print Name:	Signature:	Date:

EROSION AND SEDIMENTATION BMP INSPECTION		Installed & Operating correctly?	Assoc. Photo/ Figure #	CORRECTIVE ACTION
2.1	Are Limits of Disturbance clearly <u>marked</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.1	Are natural resource areas (e.g., streams, wetlands, trees, etc.) <u>protected</u> with barriers or similar BMPs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.2	Is construction sequencing being <u>followed</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.3	Are structural BMPs properly installed to <u>control stormwater flow</u> on the construction site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.4	Is clearing/grubbing only occurring in areas that will have <u>active work</u> within 21-days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.4	Is clearing/grubbing taking place inside the <u>Apr 15 - Oct 15</u> window?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.4	Do unstabilized areas have appropriate <u>controls</u> in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.5	Are all slopes <u>protected</u> from concentrated stormwater flow?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.6	Are storm drain inlets properly <u>protected</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.7	Are storm drain outfalls properly <u>protected</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.8	Are perimeter controls and sediment barriers adequately <u>installed and maintained</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.9	Are discharge points and receiving waters <u>free of sediment</u> deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.10	Is weather forecast being <u>checked</u> regularly?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Notes on Erosion and Sediment Controls:				

GOOD HOUSEKEEPING BMP INSPECTION		Installed & Operating correctly?	Assoc. Photo/ Figure #	CORRECTIVE ACTION
3.1	Are BMPs effectively limiting sediment from being <u>tracked</u> into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.2	Is trash/litter from work areas collected and placed in <u>covered</u> containers regularly?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.3	Are on-site equipment , vehicles, containers, and storage areas <u>free from leaks</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.3	Are materials that are potential stormwater contaminants <u>stored</u> inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.4	Are non-storm water discharges free from <u>contamination</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.5	Are stockpiles <u>covered</u> (either with temporary vegetation or tarps), <u>ringed</u> with barrier BMPs, and <u>located</u> at least 50 feet away from natural resources and storm drains?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.6	Are washout facilities (e.g. paint, concrete) <u>available</u> , clearly <u>marked</u> , and maintained and <u>located</u> at least 50-feet away from natural resources and storm drains?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.7	Are vehicle and equipment fueling, cleaning, and maintenance areas <u>free from leaks</u> and <u>located</u> at least 50-feet away from natural resources and storm drains?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.8	Is dust being <u>controlled</u> on-site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3.9	Is sweeping being <u>used</u> to keep sediment off roads and parking lots?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
PROCEURAL BMP INSPECTION				
4.1	Are permanent BMPs being <u>protected</u> during the active construction phase?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
5.1	Are all structural BMPs being <u>maintained</u> in accordance with RIDOT Standard Spec Section 212?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.2	Are inspections taking place every 7-days & after storm events?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.3	Have previous Corrective Actions been <u>initiated & completed</u> by the Contractor?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
6.0	Are SWPPP Amendments being <u>logged</u> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
7.0	Are the SWPPP and ALL inspection reports being kept at the RIDOT Field Office?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

General Field Comments:

NOTICE TO CONTRACTOR

This SWPPP Inspection Report, completed by a RIDOT-designated inspector, indicates that this construction site is:

☐
COMPLIANT

- ☐ No immediate actions are required, other than keeping up the good work!
- ☐ **Work is required to maintain Site compliance**

☐
NON-COMPLIANT

This document serves as your RIDOT directive to proceed with corrective actions that have been outlined above.

The small site SWPPP, Construction Contract documents, and the RIDOT Standard Specifications state that non-compliance issues shall be addressed no later than (7) seven calendar days from date of inspection. In accordance with the SWPPP and Section 212 of the RIDOT Standard Specifications, the contractor shall commence with the requisite cleaning and maintenance measures no later than the next calendar day after receiving such a directive from the engineer.

Date work to begin:

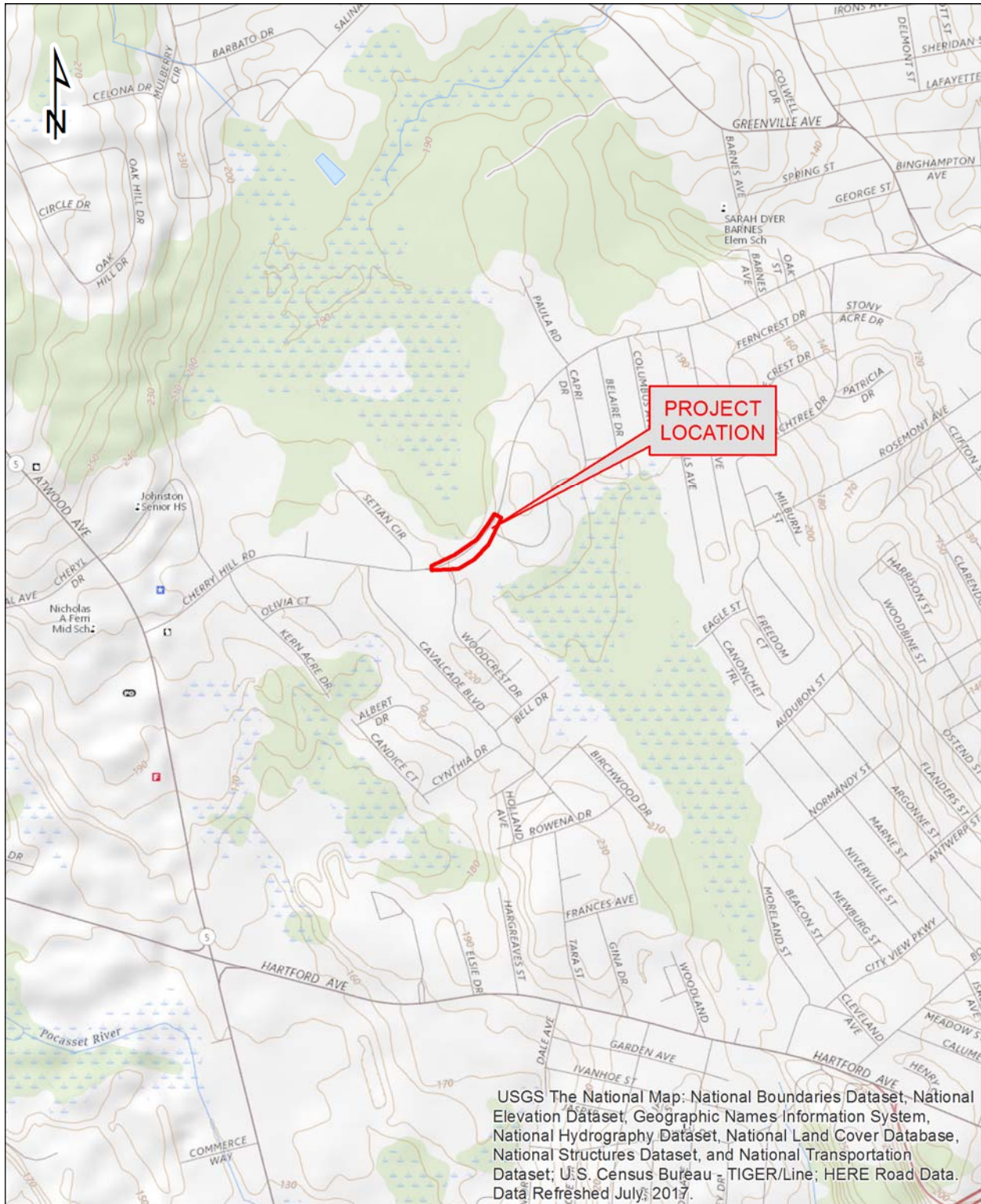
Date work to be completed:

R.E. initials: _____

R.E. Comments:

Date: _____

Construction Site Stormwater Pollution Prevention Plan
Priority 1 Stormwater Treatment Unit – STU_010 Cherry Hill Road



Location Map

Sources: RIGIS/RIDOT, USGS National Map • Approximate Scale: 1" = 1,000'

APPENDIX C

Site Soil Evaluations



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Environmental Management
Office of Water Resources
Onsite Wastewater Treatment System Program

STU-D10



Site Evaluation Form

Part A - Soil Profile Description

Application Number

STORMWATER
DRAINAGE

Property Owner: STATE OF RHODE ISLAND

Property Location: BETWEEN CHERRY HILL AND OLD CHERRY HILL RDS. JOHNSTON

Date of Test Hole: 30 NOVEMBER 2017

Soil Evaluator: DEB BOSWORTH

License Number: D-4032

Weather: PARTLY CLOUDY

Shaded: Yes ☐ No ☒ Time: 11 AM

TH Horizon	Depth inches	Horizon Boundaries		Soil Colors		Re-Dox		Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S. Contr.				
HM1	0-6	a	s	10YR 3/3	-	-	-	fsl	gran	vfr	
HM2	6-40	a	s	10YR 5/4	-	-	-	gran lcos	gran	loose	
Apb	40-44	a	b	5Y 2.5/1	-	-	-	ls	gran	loose	
Bgb	44-56	-	-	GLEW 10Y 6/1	5YR 4/6	m c p	-	fsl	mass	fr	
							very moist				
TH Horizon	Depth inches	Horizon Boundaries		Soil Colors		Re-Dox		Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S. Contr.				
HM1	0-6	a	s	10YR 3/3	-	-	-	fsl	gran	fr	
HM2	6-44	a	s	10YR 5/4	-	-	-	gran lcos	gran	loose	
Bgb	44-48	-	-	GLEW 10Y 6/1	5YR 4/6	m c p	-	fsl	mass	fr	
							WET				

FILL OVER

TH 1 Soil Class A Total Depth 56" Impervious/Limiting Layer Depth - (og) GW Seepage Depth - SHWT 44" (eg) eg

TH 2 Soil Class A Total Depth 48" Impervious/Limiting Layer Depth - (og) GW Seepage Depth 44" SHWT 44" (eg) eg

Comments:

STU-010

Part B

Site Evaluation - to be completed by Soil Evaluator or Class II or III Designer

Please use the area below to locate:

1. Test holes and bedrock test holes,
2. Approximate direction of due north,
3. Offsets from all test holes to fixed points such as street, utility pole, or other permanent, marked object.*

***OFFSETS MUST BE SHOWN**

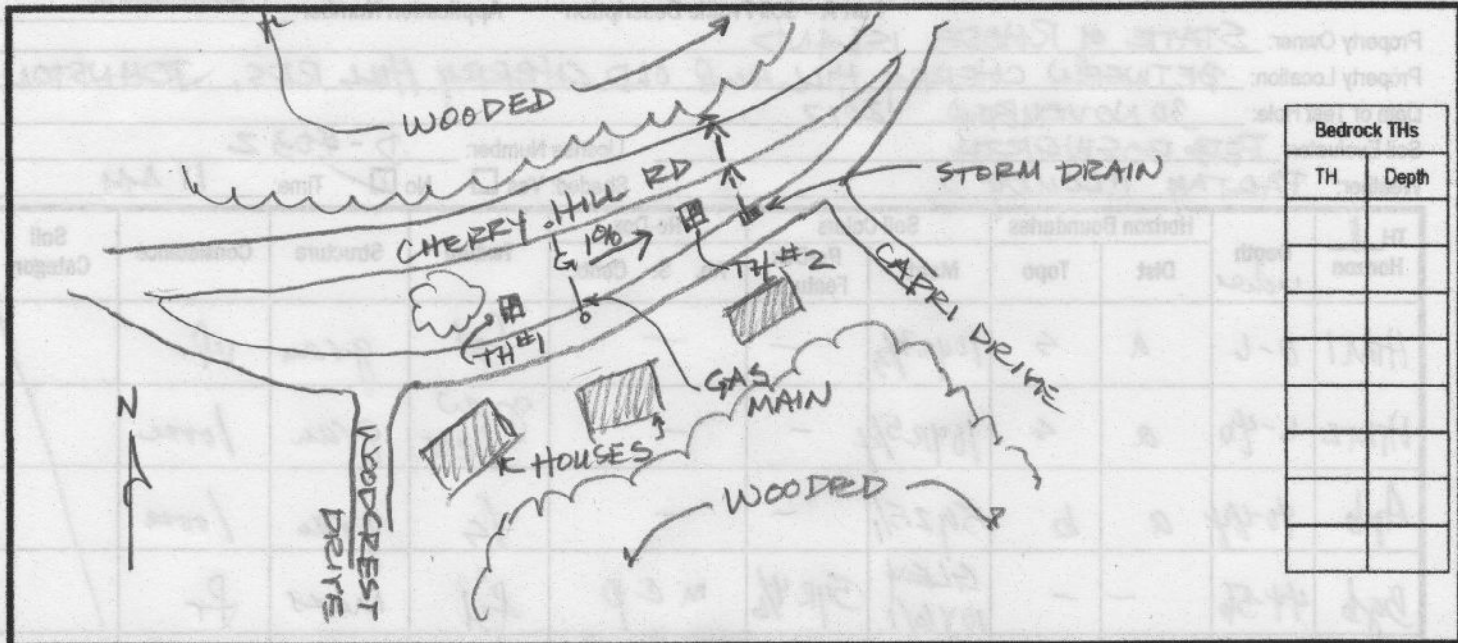
Key:

☐ Approximate location of test holes

☐ Approximate location of bedrock test holes

$\frac{x}{y}\%$ Estimated gradient and direction of slope

Approximate direction of due north



Bedrock THs	
TH	Depth

1. Relief and Slope: 2 FT RELIEF 19% SLOPE
2. Presence of any watercourse, wetlands or surface water bodies, within 200 feet of test holes? If yes, locate on above sketch. NO ☒ YES ☐
3. Restrictive Layer or Bedrock within 4' below original ground within 25 feet of test hole? Provide all test hole locations & depths above. NO ☒ YES ☐
4. Presence of existing or proposed private drinking water wells within 200 feet of test holes? If yes, locate on above sketch. NO ☒ YES ☐
5. Public drinking water wells within 500 feet of test holes? If yes, locate on above sketch. NO ☒ YES ☐
6. Is site within the watershed of a public drinking water reservoir or other critical area defined in Rule 38? NO ☒ YES ☐
7. Has soil been excavated from or fill deposited on site? If yes, locate on above sketch. NO ☐ YES ☒
8. Site's potential for flooding or ponding: NONE ☒ SLIGHT ☐ MODERATE ☐ SEVERE ☐
9. Landscape position: DRAINAGEWAY
10. Vegetation: MOWED GRASS
11. Indicate approximate location of property lines and roadways.
12. Additional comments, site constraints or additional information regarding site: _____

Certification

The undersigned hereby certifies that all information on this application and accompanying forms, submittals and sketches are true and accurate and that I have been authorized by the owner(s) to conduct these necessary field investigations and submit this request.

Part A prepared by:

Signature

License #

Part B prepared by:

Signature

License #

DO NOT WRITE IN THIS SPACE

Witnessed Soil Evaluation Decision:Concur ☐Inconclusive ☐Disclaim ☐**Unwitnessed Soil Evaluations Decision:**Accept ☐Inconclusive ☐Disclaim ☐Wet Season Determination required ☐Additional Field Review Required ☐

Explanation: _____

Signature Authorized Agent

Date

APPENDIX D

Federal Wage Rates

"General Decision Number: RI20190001 06/14/2019

Superseded General Decision Number: RI20180001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and
Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential
construction consisting of single family homes and apartments
up to and including 4 stories) HEAVY, HIGHWAY AND MARINE
CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage
of \$10.60 for calendar year 2019 applies to all contracts
subject to the Davis-Bacon Act for which the contract is
awarded (and any solicitation was issued) on or after January
1, 2015. If this contract is covered by the EO, the contractor
must pay all workers in any classification listed on this wage
determination at least \$10.60 per hour (or the applicable wage
rate listed on this wage determination, if it is higher) for
all hours spent performing on the contract in calendar year
2019. If this contract is covered by the EO and a
classification considered necessary for performance of work on
the contract does not appear on this wage determination, the
contractor must pay workers in that classification at least the
wage rate determined through the conformance process set forth
in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is
higher than the conformed wage rate). The EO minimum wage rate

will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/04/2019
1	01/11/2019
2	04/05/2019
3	05/03/2019
4	05/24/2019
5	06/07/2019
6	06/14/2019

ASBE0006-006 06/01/2015

	Rates	Fringes
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HAZARDOUS MATERIAL HANDLER

(Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from

mechanical systems).....	\$ 31.63	18.30
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ASBE0006-008 09/01/2018

	Rates	Fringes
--	-------	---------

Asbestos Worker/Insulator

Includes application of
all insulating materials,
protective coverings,
coatings & finishes to all
types of mechanical systems.\$ 42.38 28.75

BOIL0029-001 01/01/2017

	Rates	Fringes
BOILERMAKER.....	\$ 42.42	24.92

BRR0003-001 06/01/2019

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 40.48	27.52

BRR0003-002 03/01/2019

	Rates	Fringes
Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 39.26	27.92

BRR0003-003 03/01/2019

	Rates	Fringes
Marble, Tile & Terrazzo Finisher.....	\$ 33.00	26.73

CARP0094-001 01/01/2019

	Rates	Fringes
--	-------	---------

CARPENTER (Includes Soft		
Floor Layer).....	\$ 37.13	28.45
Diver Tender.....	\$ 36.28	27.15
DIVER.....	\$ 47.08	27.15
Piledriver.....	\$ 37.13	28.45
WELDER.....	\$ 38.13	28.45

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the "monkey": \$1.00 per hour additional.

CARP1121-002 10/01/2017

	Rates	Fringes
MILLWRIGHT.....	\$ 36.85	27.50

* ELEC0099-002 06/01/2019

	Rates	Fringes
ELECTRICIAN.....	\$ 40.40	57.24%

Teledata System Installer.....\$ 30.30 13.10%+14.53

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30
ft. or more from the floor, except when working
OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall:
20% per hour additional.

ELEV0039-001 01/01/2019

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 51.56	33.705+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Years Day; Memorial Day; Independence
Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday
after Thanksgiving Day; and Christmas Day.

B. Employer contributes 8% basic hourly rate for 5 years or
more of service of 6% basic hourly rate for 6 months to 5
years of service as vacation pay credit.

ENGI0057-001 06/01/2019

	Rates	Fringes
Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers,		

docks, bridges, wind
turbines, subterranean &
other marine and heavy
construction work)

GROUP 1.....	\$ 41.30	25.95+a
GROUP 2.....	\$ 39.80	25.95+a
GROUP 3.....	\$ 35.42	25.95+a
GROUP 4.....	\$ 32.57	25.95+a
GROUP 5.....	\$ 38.85	25.95+a
GROUP 6.....	\$ 29.65	25.95+a
GROUP 7.....	\$ 23.65	25.95+a
GROUP 8.....	\$ 35.50	25.95+a
GROUP 9.....	\$ 39.42	25.95+a

a. BOOM LENGTHS, INCLUDING JIBS:

150 feet and over + \$ 2.00
180 feet and over + \$ 3.00
210 feet and over + \$ 4.00
240 feet and over + \$ 5.00
270 feet and over + \$ 7.00
300 feet and over + \$ 8.00
350 feet and over + \$ 9.00
400 feet and over + \$10.00

a. PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth,
Victory Day, Labor Day, Columbus Day, Veterans Day,
Thanksgiving Day, Christmas Day. a: Any employee who works
3 days in the week in which a holiday falls shall be paid
for the holiday.

a. FOOTNOTES:

Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks

GROUP 2: Digging machine, Ross Carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders, forklifts, economobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 3: Oilers on cranes.

GROUP 4: Oiler on crawler backhoe.

GROUP 5: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 6: Well-point installation crew.

GROUP 7: Utility Engineers and Signal Persons

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 9: Boat & tug operator.

ENGI0057-002 05/01/2019

Rates

Fringes

Power Equipment Operator
(highway construction)

projects; water and sewerline
 projects which are incidental
 to highway construction
 projects; and bridge projects
 that do not span water)

GROUP 1.....	\$ 34.95	25.95+a
GROUP 2.....	\$ 29.65	25.95+a
GROUP 3.....	\$ 23.65	25.95+a
GROUP 4.....	\$ 30.23	25.95+a
GROUP 5.....	\$ 33.93	25.95+a
GROUP 6.....	\$ 33.55	25.95+a
GROUP 7.....	\$ 29.20	25.95+a
GROUP 8.....	\$ 30.58	25.95+a
GROUP 9.....	\$ 32.53	25.95+a

a. FOOTNOTE: a. Any employee who works three days in the week
 in which a holiday falls shall be paid for the holiday.

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial
 Day, July Fourth, Victory Day, Labor Day, Columbus Day,
 Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter,
 locomotive, derrick, hoist, boom truck, John Henry's,
 directional drilling machine, cold planer, reclaimer,
 paver, spreader, grader, front end loader (3 yds. and
 over), vacuum truck, test boring machine operator, veemere
 saw, water blaster, hydro-demolition robot, forklift,
 economobile, Ross Carrier, concrete pump operator and boats

GROUP 2: Well point installation crew

GROUP 3: Utility engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

GROUP 6: Roller, skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

ENGI0057-003 06/01/2019

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 40.57	25.95+a
GROUP 2.....	\$ 39.07	25.95+a
GROUP 3.....	\$ 38.85	25.95+a
GROUP 4.....	\$ 34.85	25.95+a
GROUP 5.....	\$ 32.00	25.95+a
GROUP 6.....	\$ 38.15	25.95+a
GROUP 7.....	\$ 37.72	25.95+a
GROUP 8.....	\$ 35.04	25.95+a

a. BOOM LENGTHS, INCLUDING JIBS:

150 ft. and over: + \$ 2.00
 180 ft. and over: + \$ 3.00
 210 ft. and over: + \$ 4.00
 240 ft. and over: + \$ 5.00
 270 ft. and over: + \$ 7.00

300 ft. and over: + \$ 8.00
350 ft. and over: + \$ 9.00
400 ft. and over: + \$10.00

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTE: Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks.

GROUP 2: Digging machine, Ross carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 3: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 4: Fireman & oiler

GROUP 5: Oiler on crawler backhoe

GROUP 6: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 7: Well point installation crew

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

IRON0037-001 09/16/2017

	Rates	Fringes
IRONWORKER.....	\$ 34.89	26.87

LABO0271-001 06/05/2016

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.20	23.80
GROUP 2.....	\$ 29.45	23.80
GROUP 3.....	\$ 29.95	23.80
GROUP 4.....	\$ 30.20	23.80
GROUP 5.....	\$ 31.20	23.80

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered
Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LABO0271-002 06/05/2016

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1.....	\$ 46.63	21.80
Group 2.....	\$ 36.15	21.80
Group 3.....	\$ 48.63	21.80
FREE AIR		
Group 1.....	\$ 38.70	21.80
Group 2.....	\$ 36.15	21.80
Group 3.....	\$ 40.70	21.80
LABORER		
Group 1.....	\$ 29.20	21.80
Group 2.....	\$ 29.45	21.80
Group 3.....	\$ 30.20	21.80
Group 4.....	\$ 22.70	21.80
Group 5.....	\$ 31.20	21.80
OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW		
Bottom Man.....	\$ 35.20	21.80
Top Man & Laborer.....	\$ 34.25	21.80
TEST BORING		
Driller.....	\$ 35.65	21.80

Laborer.....\$ 34.25 21.80

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender;
Wrecking laborer; Asbestos removers [non-mechanical
systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping
tamper; Chain saw operators; Concrete and power buggy
operator; Concrete saw operator; Demolition burner; Fence
and guard rail erector; Highway stone spreader; Laser beam
operator; Mechanical grinder operator; Mason tender; Mortar
mixer; Pneumatic tool operator; Riprap and dry stonewall
builder; Scaffold erector; Setter of metal forms for
roadways; Wagon drill operator; Wood chipper operator;
Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar
powered drills; Brick paver; Block paver; Rammer and curb
setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake
person, track person, miner, grout person, lock tender,
gauge tender, miner: motor person & all others in
compressed air

GROUP 2: Change house attendant, powder watchperson, top
person on iron

GROUP 3: Hazardous waste work within the "HOT" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the "HOT" zone

PAIN0011-005 06/01/2018

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 33.62	21.05
Epoxy, Tanks, Towers, Swing Stage & Structural		
Steel.....	\$ 35.62	21.05
Spray, Sand & Water		
Blasting.....	\$ 36.62	21.05
Taper.....	\$ 34.37	21.05
Wall Coverer.....	\$ 34.12	21.05

PAIN0011-006 06/01/2018

	Rates	Fringes
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GLAZIER.....\$ 37.18 21.05

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2018

	Rates	Fringes
Painter (Bridge Work).....	\$ 49.75	21.05

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

PLAS0040-001 06/04/2018

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 34.30	27.05

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under
3 planks width and which is 20 or more feet above ground
and any offset structure: \$.30 per hour additional.

PLAS0040-002 07/23/2018

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 31.20	22.10

PLAS0040-003 07/02/2018

	Rates	Fringes
PLASTERER.....	\$ 35.65	27.40

PLUM0051-002 09/01/2018

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 42.04	29.45

ROOF0033-004 12/01/2018

	Rates	Fringes
ROOFER.....	\$ 36.75	26.12

SFRI0669-001 04/01/2017

	Rates	Fringes
SPRINKLER FITTER.....	\$ 43.92	21.49

SHEE0017-002 12/01/2018

	Rates	Fringes
Sheet Metal Worker.....	\$ 36.13	35.13

TEAM0251-001 05/01/2019

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 27.96	26.8525+A+B+C
GROUP 2.....	\$ 27.61	26.8525+A+B+C
GROUP 3.....	\$ 27.66	26.8525+A+B+C
GROUP 4.....	\$ 27.71	26.8525+A+B+C
GROUP 5.....	\$ 27.81	26.8525+A+B+C
GROUP 6.....	\$ 28.21	26.8525+A+B+C
GROUP 7.....	\$ 28.41	26.8525+A+B+C
GROUP 8.....	\$ 27.91	26.8525+A+B+C
GROUP 9.....	\$ 28.16	26.8525+A+B+C
GROUP 10.....	\$ 27.96	26.8525+A+B+C

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

C. Employees on the seniority list shall be paid a one hundred dollar (\$100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars (\$500.00)

All drivers working on a defined hazard material job site

shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2 trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this

contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were

prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"

APPENDIX E

Bid Form

Cherry Hill Stormwater Quality Improvements Lower Woonasquatucket River / Assapumpset Brook Watershed R-01
RI Contract Number: 2019-CM-063

BID FORM

To: The State of Rhode Island Department of Administration
Division of Purchases, 2nd Floor
One Capitol Hill, Providence, RI 02908-5855

Bidder:

Legal name of entity

Address (street/city/state/zip)

Contact name

Contact email

Contact telephone

Contact fax

1. LUMP SUM PRICE

The Bidder submits this bid proposal to perform all of the work (including labor and materials) as shown in the attached Contract Documents (*including the costs for all Allowances, Bonds, and Addenda*):

TOTAL BID AMOUNT:

\$ _____
(amount in figures printed electronically, typed, or handwritten legibly in ink)

(amount in words printed electronically, typed, or handwritten legibly in ink)

• **Bonds**

The Lump Sum Price ***includes*** the costs for all Bid and Payment and Performance Bonds required by the solicitation.

Cherry Hill Stormwater Quality Improvements Lower Woonasquatucket River / Assapumpset Brook Watershed R-01
RI Contract Number: 2019-CM-063

- **Addenda**

The Bidder has examined the entire solicitation (including the following Addenda), and the Lump Sum Price **includes** the costs of any modifications required by the Addenda.

All Addenda must be acknowledged.

Addendum No. 1 dated: _____

Addendum No. 2 dated: _____

Addendum No. 3 dated: _____

Addendum No. 4 dated: _____

Addendum No. 5 dated: _____

Addendum No. 6 dated: _____

2. CONTRACT TIME

The Bidder offers to perform the work in accordance with the timeline specified below:

- Start of construction: Upon Notice to Proceed
- Substantial completion: Friday, September 20, 2019

Cherry Hill Stormwater Quality Improvements Lower Woonasquatucket River / Assapumpset Brook Watershed R-01
RI Contract Number: 2019-CM-063

3. LIQUIDATED DAMAGES

The successful bidder awarded a contract pursuant to this solicitation shall be liable for and pay the State, as liquidated damages and not as a penalty, the amount for each calendar day of delay beyond the date for substantial completion, as determined in the sole discretion of the State in accordance with State of Rhode Island Procurement Regulation 12.108.08.

This bid proposal is irrevocable for 60 days from the bid proposal submission deadline.

If the Bidder is determined to be the successful bidder pursuant to this solicitation, the Bidder will promptly: (i) comply with each of the requirements of the Tentative Letter of Award; and (ii) commence and diligently pursue the work upon issuance and receipt of the purchase order from the State and authorization from the user agency.

The person signing below certifies that he or she has been duly authorized to execute and submit this bid proposal on behalf of the Bidder.

BIDDER

Date: _____

Name of Bidder

Signature

Printed name and title of person signing on behalf of Bidder

Bidder's Contractor Registration Number

APPENDIX F

Required Forms

- **DEBARMENT FORM** **F1**
- **LOBBYING FORM** **F2**
- **CONFLICTS DISCLOSURE STATEMENT** **F5**
- **ANTI-COLLUSION CERTIFICATE** **F7**
- **CERTIFICATE FOR TITLE VI ASSURANCE** **F8**
- **REQUIREMENT FOR AFFIRMATIVE ACTION** **F11**

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

In accordance with the code of Federal Regulations, Part 49 CFR Section 29.5 10, the prospective primary participant _____, being duly sworn (or executed under penalty of perjury under the laws of the United States), certifies to the best of his/her knowledge and belief, that its principals:

- a.) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily Excluded from covered transactions by any Federal department or agency;
- b.) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c.) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (l)(b) of this certification;
- d.) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall list exceptions below.

Exceptions will not necessarily result in denial of award, but, will be considered in determining contractor responsibility. For any exception noted, indicate below to whom it applies, the initiating agency, and the dates of the action. Providing false information may result in criminal prosecution or administrative sanctions. If an exception is noted the contractor must contact the Department to discuss the exception prior to award of the contract.

Signature: _____ Date: _____

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to Title 31, U.S.C. Section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract, grant, or loan award number, the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.
15. Check whether or not a SF-LLL-A Continuation Sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (03-48-00-46), Washington, D.C. 20503.

Approved by
03-48-0046**DISCLOSURE OF LOBBYING ACTIVITIES**Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352 - 0348-0046
(see reverse for public burden disclosure)

1. Type of Federal Action: <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance		2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award		3. Report Type: <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year _____ quarter _____ date of last report _____	
4. Name and Address of Report Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier ____, if known: Congressional District, if known:			5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime: Congressional District, if known:		
6. Federal Department Agency:			7. Federal Program Name/Description: CFDA Number, if applicable: _____		
8. Federal Action Number, if known:			9. Award Amount, if known: \$ _____		
10. a. Name and Address of Lobbying Entity: (if individual, last name, first name, mi):			10. b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, mi):		
11. Amount of Payment (check all that apply) \$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned			13. Type of Payment (check all that apply): <input type="checkbox"/> a. retainer <input type="checkbox"/> b. one-time fee <input type="checkbox"/> c. commission <input type="checkbox"/> d. contingent fee <input type="checkbox"/> e. deferred <input type="checkbox"/> f. other; specify: _____		
12. Form of Payment (check all that apply): <input type="checkbox"/> a. cash <input type="checkbox"/> b. in-kind; specify: nature _____ value _____					
14. Brief Description of Services Performed or to be Performed and Date(s) of Service, including officer(s), employee(s), or Member(s) contracted, for Payment indicated in Item 11 (Attach Continuation Sheet(s) SF-LLL-A, if necessary): 					
15. Continuation Sheet(s) SF-LLL-A attached: <input type="checkbox"/> yes <input checked="" type="checkbox"/> no					
16. Information requested through this form is authorized by title 31 U.S.C. section 1352. this disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.			Signature: _____ Print Name: _____ Title: _____ Telephone No: _____ Date: _____		
For Federal use Only:			Authorized for Local Reproduction Standard Form - LLL-A		

Approved by
03-48-0046

DISCLOSURE OF LOBBYING ACTIVITIES
CONTINUATION SHEET

Reporting Entity: _____ Page _____ of _____

Authorized for Local Reproduction
Standard Form - LLL-A

RIDOT 12/27/07

CONFLICTS DISCLOSURE POLICY

To ensure that the Rhode Island Department of Transportation (RIDOT) maintains the continued confidence and trust of the people of Rhode Island in carrying out its mission, prospective vendors must disclose any family (or other personal) relationships, associations or connections that the vendor, its affiliates, or employees, may currently have with any RIDOT employee. A Conflicts Disclosure Statement shall be submitted to RIDOT from the following:

- ❖ Owners;
- ❖ Directors;
- ❖ Principals;
- ❖ Officers, board members, or individuals with corporate authority;
- ❖ If the vendor is a partnership, the applicant's partners;
- ❖ If the vendor is a limited liability company, its members and managers;
- ❖ Employees with decision-making authority, including executive directors, managers or individuals in a similar position with corporate authority; and
- ❖ Shareholders with a controlling interest.

RIDOT 12/27/07

CONFLICTS DISCLOSURE STATEMENTRE: _____

I, _____ hereby certify as follows:

I am employed as a _____ of _____
[TITLE] [COMPANY]
and to the best of my knowledge:**PLEASE CHECK THE APPROPRIATE BOX:**

- ☐ I have no family or personal relations currently employed either on a full-time or part-time basis at the Rhode Island Department of Transportation.
- ☐ I do have family or personal relations currently employed at the Rhode Island Department of Transportation. Please list their name(s), title(s), and RIDOT Division(s) (if known):

NAME	TITLE	RIDOT DIVISION

*If necessary, please add any additional names as attachments hereto.***FOR ILLUSTRATIVE PURPOSES, FAMILY RELATIONS SHALL INCLUDE, WHETHER BY BLOOD, ADOPTION OR MARRIAGE, ANY OF THE FOLLOWING RELATIONSHIPS:**

Father, Mother, Son, Daughter, Brother, Sister, Grandfather, Grandmother, Grandson, Granddaughter, Father-In-Law, Mother-In-Law, Brother-In-Law, Sister-In-Law, Son-In-Law, Daughter-In-Law, Stepfather, Stepmother, Stepson, Stepdaughter, Stepbrother, Stepsister, Half-Brother Or Half-Sister, Niece, Nephew, And Cousin

- ❖ If you are unsure whether a relationship, association, or connection you have may need to be disclosed, please consult with RIDOT's Legal Office at (401) 222-6510.

SIGNATURE**DATE**

By signing this form you: (1) certify that the information contained in this form is complete and accurate to the best of your knowledge; and (2) acknowledge your continuing obligation to complete and submit a new Disclosure form when there is any change in your family or personal relations during the course of this Contract.

This document is used for internal RIDOT purposes only in order to address and avoid any potential conflicts at the inception of the contract process and to avoid any impropriety or the appearance of impropriety during the contract process. Any disclosures made hereto will not prejudice prospective vendors from selection.

Revised: 4/12/2002

ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT
[Unsworn Declaration]

Title 23, United States Code, Section 112(c), requires, as a condition precedent to approval by the Director of Public Roads of the contract for this work, that there be filed an unsworn declaration executed by, on behalf of, the person, firm, association, or corporation submitting the bid certifying that such person, firm, association, or corporation has not either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with the submitted bid. This unsworn statement shall be in the form of a declaration executed under penalty of perjury under the laws of the United States.

To the: **STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS**
DEPARTMENT OF TRANSPORTATION, DIVISION OF PUBLIC WORKS

State of _____

County of _____

I, _____, _____, under
penalty under the laws of the United States, do depose and say:

On behalf of _____, of _____ that
said Contractor has not, either directly or indirectly, entered into any agreement, participated in
any collusion, or otherwise taken any action in restraint of free competitive bidding in connection
with Rhode Island Contract Number _____, Federal-Aid Project Number
_____, County of _____
Town-City _____, Road-Bridge _____.

Signature: _____ Date: _____



**USDOT Standard Title VI/Nondiscrimination
Assurances for Contractors
DOT Order 1050.2A**

Project:

I, _____, _____ **Job Title** _____, a duly
authorized representative of _____ **Company Name** _____
do hereby certify that the organization affirmatively agrees to the provisions set forth by *U.S. DOT
Order 1050.2A, DOT Standard Title VI Assurances and Non-Discrimination Provisions (April 11, 2013)*

Signature of Authorized Official

Date

APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor’s obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - a. withholding payments to the contractor under the contract until the contractor complies; and/or
 - b. cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on

- the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 -- 12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*).

**STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS
(Executive Order 11246)**

1. As used in these specifications:
 - (a) "Covered area" means the geographical area described in the solicitation from which this contract resulted.
 - (b) "Director" means Director, Office of Federal Contract Compliance Programs United States Department of Labor, or any person to whom the Director delegates authority.
 - (c) "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - (d) "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000.00 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in a approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction Contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical

area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability to employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - (a) Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all on site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - (b) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organization responses.
 - (c) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
 - (d) Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
 - (e) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources complied under 7b above.
 - (f) Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards

- (g) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on site supervisory personnel such as Superintendents, Supervisors, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
 - (h) Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
 - (i) Direct its recruitment efforts, both oral and written, to minority female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection procedures.
 - (j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
 - (k) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
 - (l) Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - (m) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - (n) Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - (o) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - (p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor associations, joint contractor union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female work force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of

actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and nonminority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though a Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation, if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program.).
 - (a) A Form 257, Monthly Employment Utilization Report, is to be completed by both Contractor and Subcontractors, and signed by the designated EEO Officer or an authorized representative of the prime or subcontractor. The reports are to be submitted by the 5th of each month during the term of the contract. The Contractor shall submit an aggregate Form 257 showing its entire work force, minority work force, and female work force (in work hours), on all construction work (Federal and non-federally assisted) in the covered area. The Contractor shall collect and submit reports for each Subcontractor's aggregate work force, providing the same information as above.
 - (b) The Contractor shall submit a Form PR-1391, Federal-Aid Highway Construction Contractors' Annual EEO Report, to be completed by the Contractor and each Subcontractor for every month of July, during which work was performed and submitted to the State. **A separate report is to be completed for each Contractor and subcontractor holding contracts or subcontracts exceeding \$10,000.00, except where specified.** The employment data entered should reflect the work force on board during all or any part of

NOTE: Include the R.I. Contract Number in the upper right hand corner of the form.

- (c) The Contractor shall submit a Form EEO-10, Federal-Aid Highway Construction Contractors' Semiannual Training Report, to be completed by the Contractor semiannually for each individual employed on this contract (including any subcontractors under it who have provided training during the reporting period under the training special provision). This report is to be submitted by the 20th of the month following the reporting period (July 20 and January 20). The original of this report is to be furnished to the trainee, and two (2) copies submitted to the State.

These reports are required by the Public Laws of Rhode Island (1960), Chapters 85, 96, & 88; 23 U.S.C., 140(a); 23 CFR, Part 23; and Executive Order 11246.