

October 26, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550999

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2015-CT-008

FEDERAL-AID PROJECT NO. FAP Nos: STPG-HRRR(001)

**Route 102 at Route 117 Coventry Roundabout (HRRR)**

The proposed work limits are located at the intersection of RI Route 102 (Victory Highway) and RI Route 117 (Flat River Road), intersection of RI Route 3 (Nooseneck Hill Road) and Weaver Hill Road, RI Route 102 (Chopmist Hill Road) and Central Pike and RI Route 102 (Victory Highway) at Waterman Hill Road and Maple Valley Road in the Towns of West Greenwich, Scituate and Coventry respectively.

CITY/TOWN OF Coventry, Scituate, West Greenwich

COUNTY OF KENT, PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

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

**A. Contract Dates**

1. Bid-Opening Date

The Bid-Opening Date has been changed to 01/18/2017 at 1:00 PM

**B. Plans**

1. Sheet No. 11 General Plan 2

Delete Sheet No. 11 in its entirety and replace with the revised Sheet No. 11 (R-1), attached to this Addendum No. 1. Previous notes have been consolidated into one area of the sheet and an additional note has been added.

2. Sheet No. 23 Drainage and Utility Plan 2

Delete Sheet No. 23 in its entirety and replace with the revised Sheet No. 23 (R-1), attached to this Addendum No. 1. The rim elevation for the proposed drainage manhole DMH-1 at Station 109+23.73 RT has been revised.

3. Sheet No. 24 Drainage and Utility Plan 3

Delete Sheet No. 24 in its entirety and replace with the revised Sheet No. 24 (R-1), attached to this Addendum No. 1. The proposed drainage layout has been revised.

4. Sheet No. 35 Signing and Striping Plan 2

Delete Sheet No. 35 in its entirety and replace with the revised Sheet No. 35 (R-1), attached to this Addendum No. 1. The duplicate S2-70 signs have been revised. Sign S2-70 remains R6-5 at Station 209+73 RT. The duplicate S2-70 sign, W11-1 at Station 211+42 RT, has been renumbered as S2-72.

**C. Contract Documents**

1. Specifications – Job Specifics

a. Index Pages JS-i and JS-ii

Delete Index Pages JS-i and JS-ii in their entirety and replace with revised Index Pages JS-i (R-1) and JS-ii (R-1), attached to this Addendum No. 1. The index has been revised.

b. Pages JS-30 through JS-32

Delete Pages JS-30 through JS-32 in their entirety and replace with the revised Pages JS-30 (R-1), JS-31 (R-1) and JS-32 (R-1), attached to this Addendum No. 1. The Stormwater Treatment Unit Specifications have been revised.

c. Page JS-44

Delete Page JS-44 in its entirety and replace with the revised Page JS-44 (R-1), attached to this Addendum No. 1. The Price Adjustment Specifications have been revised.

d. Pages JS-50 through JS-51

Delete Pages JS-50 through JS-51 in their entirety and replace with the revised Pages JS-50 (R-1), JS-51 (R-1), attached to this Addendum No. 1. Item Code L02.9902 has been added to the Wetland Seeding Specifications. The Wetland Seeding Specifications have been revised.

e. Pages JS-51a through JS-51b

Insert Pages JS-51a and JS-51b, attached to this Addendum No. 1. The Wetland Seeding Specifications have been repaginated

**D. Distribution of Quantities**

1. Index Page 1 to Index Page 4

Delete Index Page 1 to Index Page 4 in their entirety and replace with revised Index Page 1 (R-1) to Index Page 4 (R-1), attached to this Addendum. The Index has been revised.

2. Page 1

Delete Page 1 in its entirety and replace with revised Page 1 (R-1), attached to this Addendum No. 1. Item Code 201.0403 has been revised.

3. Page 1a

Insert new Page 1a attached to this Addendum No. 1. Item Code 201.0409 has been repaginated.

4. Page 6

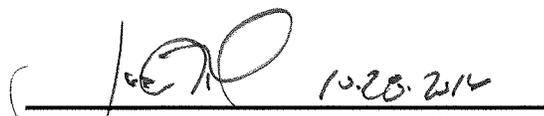
Delete Page 6 in its entirety and replace with revised Page 6 (R-1), attached to this Addendum No. 1. Item Codes 202.9916, 202.9917, and 204.0100 have been revised.

5. Page 6a

Insert new Page 6a attached to this Addendum No. 1. Item Code 204.0100 has been repaginated.

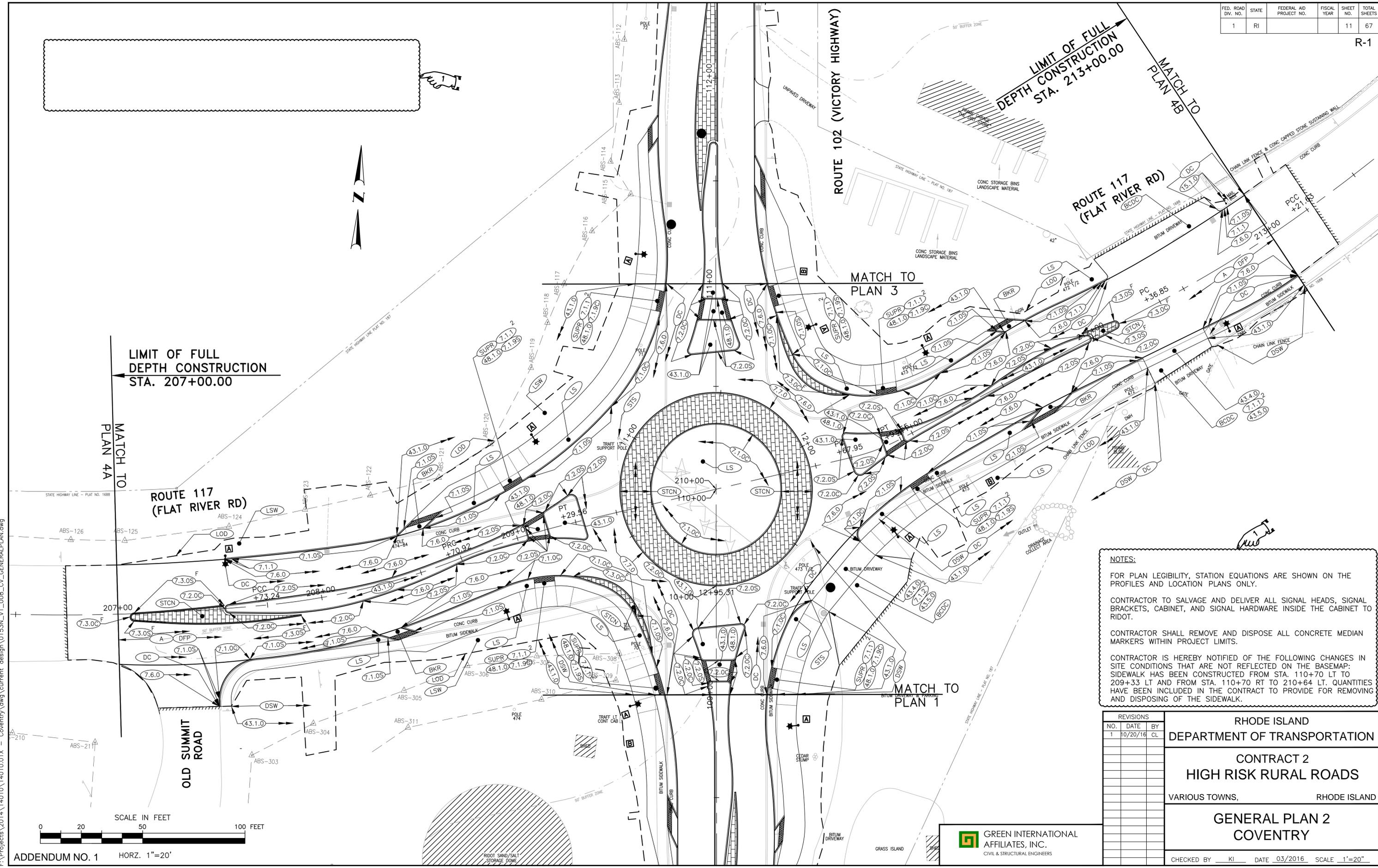
6. Page 14  
Delete Page 14 in its entirety and replace with revised Page 14 (R-1), attached to this Addendum No. 1. Item Code 206.0301 has been revised.
7. Page 14a  
Insert new Page 14a attached to this Addendum No. 1. Item Code 209.9901 has been repaginated.
8. Page 29  
Delete Page 29 in its entirety and replace with revised Page 29 (R-1), attached to this Addendum No. 1. Item Codes 701.0412 and 701.0424 have been revised.
9. Page 29a  
Insert new Page 29a attached to this Addendum No. 1. Item Code 701.7724 has been repaginated.
10. Page 53  
Delete Page 53 in its entirety and replace with revised Page 53 (R-1), attached to this Addendum No. 1. Item Codes L01.0102 has been revised.
11. Page 53a  
Insert new Page 53a attached to this Addendum No. 1. Item Code L01.0102 has been repaginated.
12. Page 54 to Page 55  
Delete Page 54 to Page 55 in their entirety and replace with revised Page 54 (R-1) to Page 55 (R-1), attached to this Addendum No. 1. Item Codes L01.0102 and L02.9901 have been revised.
13. Page 68 to Page 69  
Delete Page 68 to Page 69 in their entirety and replace with revised Page 68 (R-1) and Page 69 (R-1), attached to this Addendum No. 1. Item Code T15.0100 has been revised.
14. Page 68a  
Insert new Page 68a attached to this Addendum No. 1. Item Code T15.0100 has been repaginated.
15. Page 73  
Delete Page 73 in its entirety and replace with revised Page 73 (R-1), attached to this Addendum No. 1. Item Code L02.9902 has been added.

ADDENDUM NO. 1

  
RI Department of Transportation *Fuk*  
Administrator, Division of Project Management

ATTACHMENTS

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**NOTES:**

FOR PLAN LEGIBILITY, STATION EQUATIONS ARE SHOWN ON THE PROFILES AND LOCATION PLANS ONLY.

CONTRACTOR TO SALVAGE AND DELIVER ALL SIGNAL HEADS, SIGNAL BRACKETS, CABINET, AND SIGNAL HARDWARE INSIDE THE CABINET TO RIDOT.

CONTRACTOR SHALL REMOVE AND DISPOSE ALL CONCRETE MEDIAN MARKERS WITHIN PROJECT LIMITS.

CONTRACTOR IS HEREBY NOTIFIED OF THE FOLLOWING CHANGES IN SITE CONDITIONS THAT ARE NOT REFLECTED ON THE BASEMAP: SIDEWALK HAS BEEN CONSTRUCTED FROM STA. 110+70 LT TO 209+33 LT AND FROM STA. 110+70 RT TO 210+64 LT. QUANTITIES HAVE BEEN INCLUDED IN THE CONTRACT TO PROVIDE FOR REMOVING AND DISPOSING OF THE SIDEWALK.

REVISIONS		
NO.	DATE	BY
1	10/20/16	CL

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

**CONTRACT 2  
HIGH RISK RURAL ROADS**

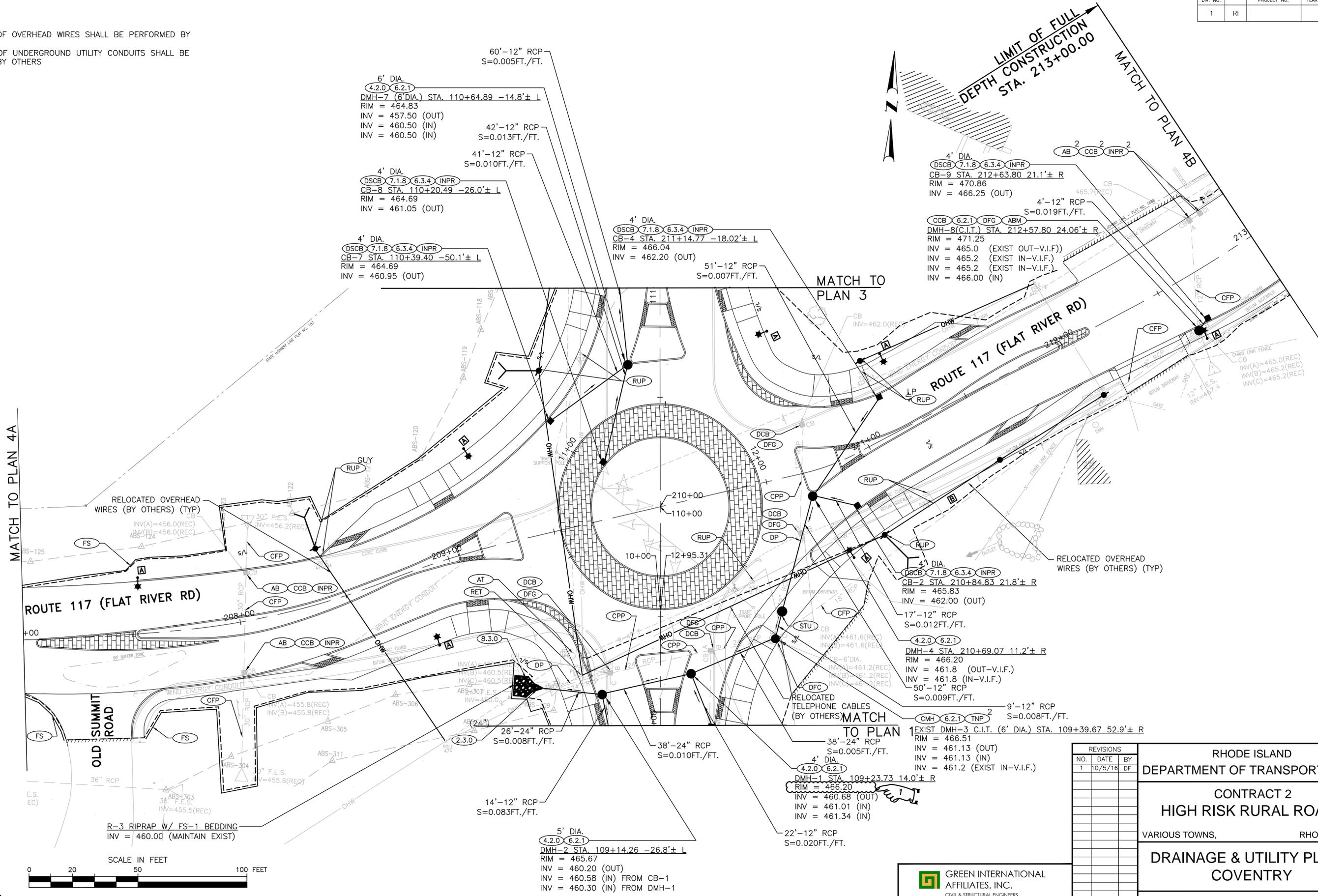
VARIOUS TOWNS, RHODE ISLAND

**GENERAL PLAN 2  
COVENTRY**

CHECKED BY   KI   DATE   03/2016   SCALE   1"=20'  

**GREEN INTERNATIONAL AFFILIATES, INC.**  
CIVIL & STRUCTURAL ENGINEERS

- NOTES:
- 1.) RELOCATION OF OVERHEAD WIRES SHALL BE PERFORMED BY OTHERS
  - 2.) RELOCATION OF UNDERGROUND UTILITY CONDUITS SHALL BE PERFORMED BY OTHERS



MATCH TO PLAN 4A

MATCH TO PLAN 3

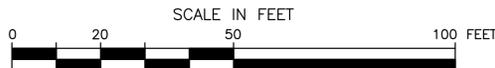
MATCH TO PLAN 1

LIMIT OF FULL DEPTH CONSTRUCTION STA. 213+00.00

MATCH TO PLAN 4B

ROUTE 117 (FLAT RIVER RD)

OLD SUMMIT ROAD



REVISIONS		
NO.	DATE	BY
1	10/5/16	DF

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION

CONTRACT 2  
HIGH RISK RURAL ROADS

VARIOUS TOWNS, RHODE ISLAND

DRAINAGE & UTILITY PLAN 2  
COVENTRY

CHECKED BY   KI   DATE   03/2016   SCALE   1"=20'  

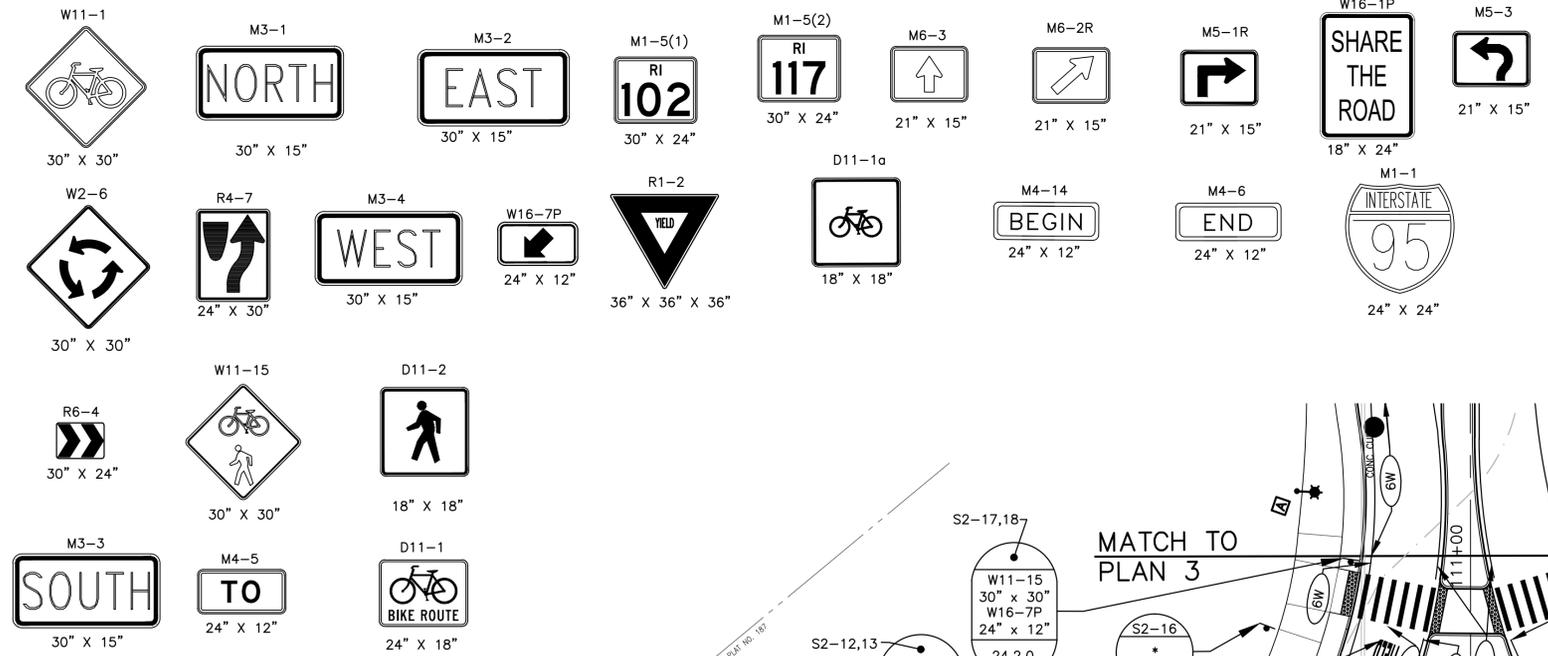


F:\Projects\2014\14010\14010.01X - Coventry\dwg\current design\0153N\_V1\_012\_CV\_DRAIN&UTILPLAN.dwg

ADDENDUM NO. 1



**PROPOSED SIGNING**



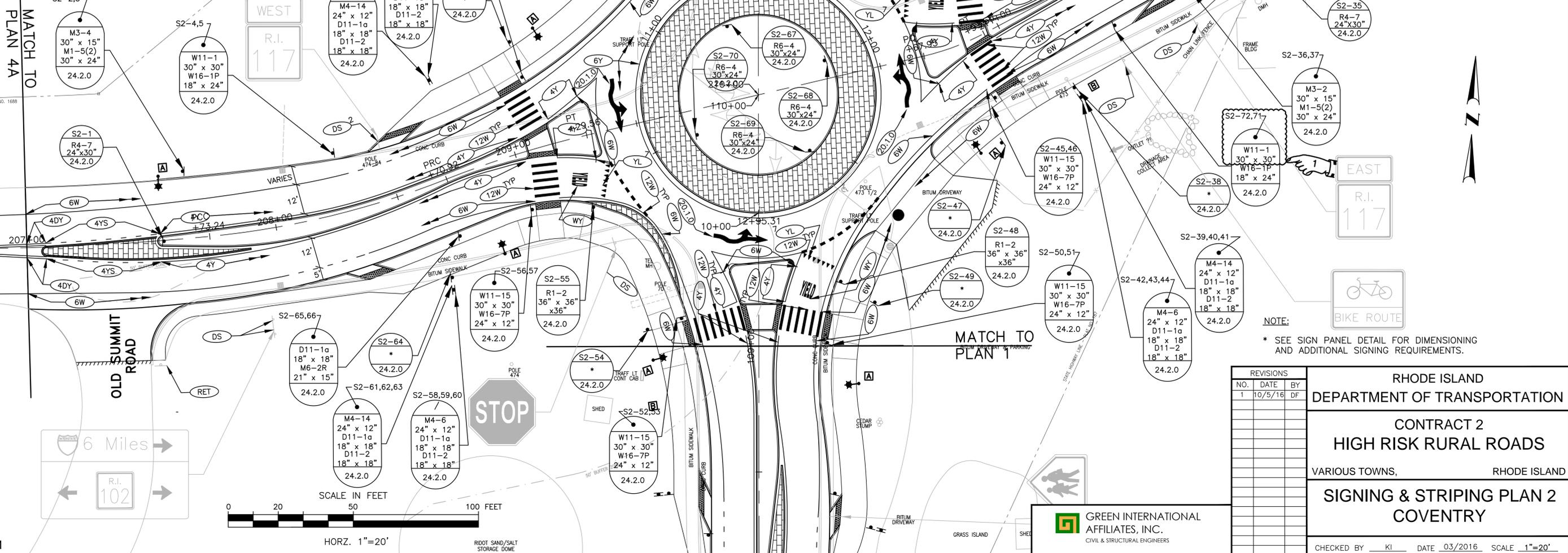
**LIMIT OF FULL DEPTH CONSTRUCTION STA. 207+00.00**

**LIMIT OF FULL DEPTH CONSTRUCTION STA. 206+75.00**

**MATCH TO PLAN 4A**

**MATCH TO PLAN 3**

**MATCH TO PLAN 1**



**NOTE:**  
\* SEE SIGN PANEL DETAIL FOR DIMENSIONING AND ADDITIONAL SIGNING REQUIREMENTS.

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	10/5/16	DF		

CONTRACT 2 <b>HIGH RISK RURAL ROADS</b>	
VARIOUS TOWNS,	RHODE ISLAND
<b>SIGNING &amp; STRIPING PLAN 2</b>	
<b>COVENTRY</b>	
CHECKED BY	DATE
KI	03/2016
SCALE	1"=20'

**GREEN INTERNATIONAL AFFILIATES, INC.**  
CIVIL & STRUCTURAL ENGINEERS

**SPECIFICATIONS - JOB SPECIFIC  
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108.03	Prosecution and Progress	JS-2
108.1000	Prosecution and Progress – Substantial Complete	JS-3
109.06	Measurement and Payment – Partial Payments	JS-4
109.09	Measurement and Payment - Acceptance and Final Payment	JS-6
202.9910	Contaminated Soil Excavation	JS-7
202.9911	Handling, Hauling, and Stockpiling of Contaminated Soils	JS-11
202.9912	Load and Haul Contaminated Soil, Type 1A	JS-13
202.9913	Disposal of Contaminated Soil, Type 1A	JS-13
202.9914	Load and Haul Contaminated Soil, Type 1B	JS-13
202.9915	Disposal of Contaminated Soil, Type 1B	JS-13
202.9916	Load and Haul Contaminated Soil, Type 2	JS-13
202.9917	Disposal of Contaminated Soil, Type 2	JS-13
202.9930	Health and Safety Requirements	JS-19
206.9901	Rolled Erosion Control Product	JS-22
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209.9901	Catch Basin Inlet Protection	JS-26
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902.9901	Temporary Construction Fence	JS-33
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L02.9902	Wetland Seed Mix - Type 5 (Wetland Seeding)	JS-50
L06.1000	Planting	JS-52
T07.9901	LED Cobrahead Cutoff Luminaire – 30 FT. Pole	JS-53
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---	Materials Sampling and Testing Schedule	JS-56

Date: 9/30/2016

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**JOB SPECIFIC  
R.I. CONTRACT NO. 2015-CT-008**

**CODE 702.9902  
STORMWATER TREATMENT UNIT**

A. General.

The stormwater treatment unit shall be circular and constructed from pre-cast concrete circular riser and slab components. The internal fiberglass insert shall be bolted and sealed watertight inside the reinforced concrete component. The unit shall be able to treat a minimum of 80% of the annual runoff volume and also remove 80% of the total suspended load. Minimum storage capacity shall be 900 gallons. The stormwater treatment unit shall be of Stormceptor Model STC-900 or approved equal. If an approved equal product is used by the Contractor, the Contractor shall be responsible for preparing a permit modification and obtain approval from RIDEM without additional cost.

B. Precast Concrete Sections.

All precast concrete components shall be designed and manufactured to a minimum live load of AASHTO HS-20 truck loading or greater based on local regulatory specifications.

C. Joints.

The concrete joints shall be water-tight and meet the design criteria according to ASTM C-443. Mastic sealants or butyl tape are not an acceptable alternative.

D. Frame and Cover.

The frame and cover shall include an indented top design with lettering of the unit's name cast into the cover to allow for easy identification in the field.

E. Concrete.

All reinforced concrete components shall be manufactured according to local specifications and shall meet the requirements of ASTM C 478.

F. Fiberglass.

The fiberglass portion of the stormwater treatment unit shall be constructed in accordance with the following standard: ASTM D-4097: Contact Molded Glass Fiber Reinforced Chemical Resistant Tanks.

G. Inspection.

All precast concrete sections shall be inspected to ensure that dimensions, appearance and quality of the product meet Rhode Island Standard Specifications for Road and Bridge Construction, 2013 Edition with compilations and ASTM C 478.

**EXECUTION**

**INSTALLATION, GENERAL**

- A. General Locations and Arrangements: Drawings (plans and details) indicate the general location and arrangement of underground sewerage and drainage systems piping. Location and arrangement of piping layout take into account many design considerations. Install piping as indicated, to extent practical.
- B. Install piping beginning at low point of systems, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's recommendations for use of lubricants, cements, and other installation requirements. Maintain swab or drag in line and pull past each joint as it is completed.
- C. Use manholes for changes in direction, except where fittings are indicated. Use fittings for branch connections, except where direct tap into existing sewer is indicated.
- D. Use proper size increasers, reducers, and couplings, where different sizes or materials of pipes and fittings are connected. Reduction of the size of piping in the direction of flow is prohibited.
- E. Install gravity-flow-systems piping at constant slope between points and elevations indicated. Install straight piping runs at constant slope, not less than that specified, where slope is not indicated.
- F. Extend drainage piping and connect to building's storm drains, of sizes and in locations indicated. Terminate piping as indicated.
- G. Install drainage piping pitched down in direction of flow, at minimum slope of 1 percent (1:100) and 36-inch minimum cover, except where otherwise indicated.

**PIPE JOINT CONSTRUCTION AND INSTALLATION**

- A. General: Join and install pipe and fittings according to manufacturer's instructions.

## **INSTALLATION OF STORM WATER UNIT**

A. Install area drains as indicated in accordance with manufacturer's written instructions.

**METHOD OF MEASUREMENT:** “Stormwater Treatment Unit” shall be measured per each by the number of units actually installed in accordance with the Plans and/or as directed by the Engineer.

**BASIS OF PAYMENT:** The accepted quantities of “Stormwater Treatment Unit” shall be paid for at the contract unit price per “Each” as listed in the proposal. The price so stated constitutes full and complete compensation for all labor, material, equipment including excavation, material, placing and compacting backfill, and all other incidentals required to complete the work, complete in place and accepted by the Engineer.

**JOB SPECIFIC  
R.I. CONTRACT NO. 2015-CT-008**

**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 \$350.00 per ton as of 9/1/2016.

\* 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 \$1.6308 per gallon as of 9/1/2016.

Date: 9/30/2016

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**JOB SPECIFIC  
R.I. CONTRACT NO. 2015-CT-008**

**CODE L02.9901  
BASIN SLOPE SEED MIX - TYPE 5 (WETLAND SEEDING)  
CODE L02.9902  
WETLAND SEED MIX - TYPE 5 (WETLAND SEEDING)**

**DESCRIPTION:** This work consists of the preparation of the seed bed, furnishing and placing materials, and the establishing of grassed areas as shown on the Plans in accordance with these Specifications or as directed by the Engineer.

**MATERIALS:**

**Wetland Seed Mix.** The wetland seed mix consists of a mixture of plant species as described below. The seeds shall be delivered to the project in labeled and sealed containers. Official Seed tags and shipment invoices from the seed suppliers shall be furnished to the Engineer. Seed may be sampled and tested by the State to verify the seed tag information.

The weight of the pure live seed (PLS) is computed by the labeled purity percent times the labeled germination percent times the weight. For example:

If requirement is for 20 pounds of pure live seed of a specified variety.

If Seed Tag data indicates: The variety is 99.41% pure and with 92% germination

Then the conversion to PLS is: 20 pounds divided by the product of .9941 and .92 equals 21.8 pounds, which meets the 20 pounds PLS requirement.

The Engineer will inspect each shipment for acceptability, upon delivery to the project.

The wetland seed mix shall consist of a mixture of at least 15 wetland plant species native to Rhode Island. Seed shall be produced in nurseries in the northeastern United States. The seed quality and mixtures are based on pure live seed, and variation is allowed in the species composition and proportions of seed for individual species provided that:

1. 65 to 80 percent of the seed by weight belongs to the genera *Carex*, *Juncus*, *Scirpus*, *Cyperus*, and/or *Shoenoplectus* and:
  - Fox sedge (*Carex vulpinoidea*) makes up 25 to 40 percent of the seed mix by weight.
  - At least three additional species belonging to the genus *Carex* make up 15 to 25 percent of the mix. Recommended species are *C. comosa*, *C. crinita*, *C. gynandra*, *C. intumescens*, *C. lupulina*, *C. lurida*, and *C. scoparia*.

At least three species that belong to the genus *Scirpus* (now *Shoenoplectus* in part) make up 10 to 15 percent of the seed mix by weight. Recommended species include:

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- *Scirpus cyperinus*, *S. atrovirens*, *S. acutus*, and *S. validus* (now *Shoenoplectus tabernaemontani*).
- At least one species of the genus *Juncus* provides five to 10 percent of the seed mix by weight. Recommended species: *Juncus acuminatus*, *J. articulatus*, *J. canadensis*, and *J. effusus*.

An additional eight or more native grasses and forbs species make up the remaining fraction of the seed mixture (minimum 20% by weight). Recommended species include Mud plantain (*Alisma plantago-aquatica*), swamp milkweed (*Asclepias incarnate*), flat-top aster (*Aster umbellatus*), spotted Joe-Pye-Weed (*Eupatoriadelphus maculatus*), boneset (*Eupatorium perfoliatum*), grass-leaved goldenrod (*Euthamia graminifolia*), fowl manna-grass (*Glyceria striata*), blueflag iris (*Iris versicolor*), swamp candles (*Lysimachia terrestris*), monkey flower (*Mimulus ringens*), sensitive fern (*Onoclea sensibilis*) (spore), marsh St. John's-wort (*Triadenum virginicum*), blue vervain (*Verbena hastata*), ironweed (*Vernonia noveboracensis*).

2. No woody plant species will be acceptable.
3. Seed mixes containing species included in the list of Invasive and other Unacceptable Plant Species in the most recent version of the U. S. Army Corps of Engineers New England District's "Guidelines for Mitigation Plan Checklist" will not be accepted. (The document is available at: <http://www.nae.usace.army.mil/reg/check3.pdf>). Also, no seed of plant species listed in the latest edition of Rare Native Plants of Rhode Island as concern, state threatened, or state historical are to be included in the seed mix. This list is found at <http://www.dem.ri.gov/programs/bpoladm/plandev/heritage/pdf/plants.pdf>.

Unavailability of the specified seed types or mix shall be verified in writing to the Engineer. Substitutions for the above table will be permitted only upon approval of the Engineer.

Seed which has become wet, moldy, or otherwise damaged shall not be used.

**Basin Slope Seed Mix.** The basin slope seed mix consists of a mixture of plant species as described below. The seeds shall be delivered to the project in labeled and sealed containers. Official Seed tags and shipment invoices from the seed suppliers shall be furnished to the Engineer. Seed may be sampled and tested by the State to verify the seed tag information.

The weight of the pure live seed (PLS) is computed by the labeled purity percent times the labeled germination percent times the weight. See example provide above for calculation of PLS.

The Engineer will inspect each shipment for acceptability, upon delivery to the project.

The basin slope seed mix shall be composed of a mixture of at least 10 plant species native to Rhode Island (including non-invasive naturalized grasses) that collectively are adapted to a wide range of soil moisture regimes associated with the side slopes and embankments of the stormwater basin. Seed shall be produced in nurseries in the northeastern United States. Variation is allowed in the species composition and proportions of seed for individual species provided that:

1. 65 to 85 percent of the seed by weight is comprised of non-invasive native and naturalized grass species. For soil stabilization purposes, at least 30 percent of this mix must be composed of creeping red fescue (*Festuca rubra*) and creeping bentgrass (*Agrostis stolonifera*). Other native grass species which may make up the remainder of the grass seed fraction include Switchgrass (*Panicum virgatum*), Virginia Wild Rye (*Elymus virginicus*), deer tongue (*Panicum clandestinum*), cockspur grass (*Echinochloa muricata*), little bluestem (*Schizachyrium scoparium*), and forking panic grass (*Panicum dichotomum*).
2. At least one native sedge species (*Carex*) is included making up at least 5 percent of the seed mixture by weight. Recommended species include *Carex intumescens*, *C. scoparia*, and *C. vulpinoidea*.
3. At least one native rush species (*Juncus*) is included making up at least 5 percent of the seed mixture by weight. Recommended species include *Juncus effusus* and *J. tenuis*.
4. At least three additional native grass-like plants and forbs make up at least five percent of the seed mixture by weight. Grass-leaved goldenrod (*Euthamia graminifolia*) must be included in this fraction. Additional recommended species include: New England aster (*Aster nova-angliae*), New York aster (*Aster novi-belgii*), spotted Joe-Pye-Weed (*Eupatoriadelphus maculatus*), boneset (*Eupatorium perfoliatum*), blue flag iris (*Iris versicolor*), *Scirpus atrovirens*, blue vervain (*Verbena hastata*), and ironweed (*Vernonia noveboracensis*).
5. No woody plant species will be acceptable.
6. Seed mixes containing species included in the list of Invasive and other Unacceptable Plant Species in the most recent version of the U.S. Army Corps of Engineers New England District's "Guidelines for Mitigation Plan Checklist" will not be accepted. (The document is available at: <http://www.nae.usace.army.mil/reg/check3.pdf> ) Also, no seed of plant species listed in the latest edition of Rare Native Plants of Rhode Island as concern, state threatened, or state historical are to be included in the seed mix. This list is found in (<http://www.dem.ri.gov/programs/bpoladm/plandev/heritage/pdf/plants.pdf>).

Unavailability of the specified seed types or mix shall be verified in writing to the Engineer. Substitutions for the above table will be permitted only upon approval of the Engineer.

Seed which has become wet, moldy, or otherwise damaged shall not be used.

A seed blend submission of both the wetland and basin slope seed mixes shall be made to the RIDOT Landscape Architecture Unit and to the RIDOT Natural Resources Unit for approval prior to application of the seed mixes.

**CONSTRUCTION METHODS:** Construction Methods shall conform to the applicable requirements of Subsections L.02.03; Construction Methods, of the RIDOT Standard Specifications for Road and Bridge Construction, 2004 Edition and the following:

**Wetland:**

- Application Rate: 1 LB/2500 SQ. FEET.
- Apply during the spring (April 1st to June 15<sup>th</sup>).
- Lightly rake to ensure proper soil-seed contact.
- If spring conditions are drier than usual, watering may be required. If planting beyond the specified planting dates (June 15 to July 15) watering will be required to germinate and grow out seedlings. Watering requirements will be at the discretion of the Engineer.
- Seeding shall be done by hand or hydraulic method. The selected mechanical seeder and applicator shall be those which can assure an accurate and uniform seed distribution. All seeding equipment shall be approved by the Engineer.
- Straw mulch shall be lightly applied to each seeded area as soon as possible after seed application. Straw application rate shall be that which allows 50% of the ground to be visible when standing directly above the mulched area (approximately 75 bales per acre). The applied straw shall be protected from blowing away by use of an approved tackifier or other approved method. No straw is to be applied in areas of standing water.
- Immediately after straw mulching operations, water shall be applied with a gentle spray to safeguard against erosion or movement of the crop seed.
- Fertilization shall not be required unless otherwise specified by the Engineer.

**Basin Slopes:**

- Application Rate: 1 LB/1245 SQ FEET
- Apply between April 1 to June 15 or September 1 to October 1
- When applying on bare soil, rake the soil to create grooves, apply seed, and then lightly rake over.
- If spring conditions are drier than usual, watering may be required. Watering requirements will be at the discretion of the Engineer.

**METHOD OF MEASUREMENT:** Method of Measurement shall conform to the requirements of Subsections L.02.04; Method of Measurement, of the RIDOT Standard Specifications for Road and Bridge Construction, 2004 Edition

**BASIS OF PAYMENT:** Basis of Payment shall conform to the requirements of Subsections L.02.05; Basis of Payment, of the RIDOT Standard Specifications for Road and Bridge Construction, 2004 Edition

## Table of Contents - Distribution of Quantities

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

ItemCode	Description	Page
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201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	1
201.0410	REMOVE AND DISPOSE CATCH BASINS	2
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	2
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	2
201.0431	REMOVE AND DISPOSE CONCRETE MEDIAN MARKER	3
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	3
201.0613	REMOVE AND STOCKPILE LIGHT STANDARDS	4
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202.0100	EARTH EXCAVATION	4
202.0700	COMMON BORROW	4
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202.9912	LOAD AND HAUL CONTAMINATED SOIL, TYPE 1A	5
202.9913	DISPOSAL OF CONTAMINATED SOIL, TYPE 1A	5
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<b>202.9917</b>	<b>DISPOSAL OF CONTAMINATED SOIL, TYPE 2</b>	<b>6</b>
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<b>206.0301</b>	<b>COMPOST FILTER SOCK</b>	<b>14</b>
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001	201.0301	<b>CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")</b>	<b>EACH</b>			
		COVENTRY				
		108+70 RT		1.00	0021	01
				<b>Item 201.0301 Total:</b>		<b>1.00</b>
002	201.0402	<b>REMOVE AND DISPOSE CONCRETE CURB</b>	<b>LF</b>			
		COVENTRY				
		105+50 - 106+28 LT		79.00	0021	01
		105+97 - 107+63 RT		165.00	0021	01
		107+75 - 109+44 LT		172.00	0021	01
		107+88 - 109+66 RT		179.00	0021	01
		207+47 - 209+53 RT		225.00	0021	01
		207+56 - 111+77 LT		377.00	0021	01
		210+24 - 210+37 RT		16.00	0021	01
		210+73 - 212+18 RT		152.00	0021	01
		212+18 - 111+80 RT		318.00	0021	01
		212+51 - 213+00 RT		52.00	0021	01
		212+85 - 213+00 LT		17.00	0021	01
				<b>Item 201.0402 Total:</b>		<b>1,752.00</b>
003	201.0403	<b>REMOVE AND DISPOSE SIDEWALKS</b>	<b>SY</b>			
		COVENTRY				
		105+50 - 106+29 LT		46.00	0021	01
		105+97 - 107+66 RT		98.00	0021	01
		107+77 - 207+47 RT		221.00	0021	01
		107+88 - 109+77 RT		108.00	0021	01
		110+70 LT - 209+33 LT		69.00	0021	01
		110+70 RT - 210+64 LT		41.00	0021	01
		210+75 - 212+16 RT		89.00	0021	01
		212+51 - 213+00 RT		30.00	0021	01
				<b>Item 201.0403 Total:</b>		<b>702.00</b>

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004	201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	SY			

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018	202.9914 Cont.	<b>Item 202.9914 Total:</b>		<b>15.00</b>		
019	202.9915	DISPOSAL OF CONTAMINATED SOIL, TYPE 1B COVENTRY ROUTE 102 AT ROUTE 117 ESTIMATED	TON	15.00	0021	01
<b>Item 202.9915 Total:</b>				<b>15.00</b>		
020	202.9916	LOAD AND HAUL CONTAMINATED SOIL, TYPE 2 COVENTRY ROUTE 102 AT ROUTE 117 ESTIMATED	TON	120.00	0021	01
<b>Item 202.9916 Total:</b>				<b>120.00</b>		
021	202.9917	DISPOSAL OF CONTAMINATED SOIL, TYPE 2 COVENTRY ROUTE 102 AT ROUTE 117 ESTIMATED	TON	120.00	0021	01
<b>Item 202.9917 Total:</b>				<b>120.00</b>		
022	204.0100	TRIMMING AND FINE GRADING CONVENTRY 107+76 LT - 207+51 RT 207+00 LT - 114+05 LT ROUNDUP CONVENTRY (3CTRC) 105+55 - 105+58 RT (3CTRC) 105+78 - 105+81 RT (3CTRC) 107+64 - 107+67 RT (3CTRC) 107+97 - 108+00 RT (3CTRC) 108+98 - 109+01 LT (3CTRC) 109+01 - 109+04 RT (3CTRC) 109+11 - 109+14 LT (3CTRC)	SY	407.00 626.00 10.35 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0021	01

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022	204.0100	Cont.	109+13 - 109+16 RT (3CTRC)	0.28	0021	01

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022	204.0100	Cont.				
		207+06 - 207+89 RT (STCON)		39.00	0021	01
		209+22-209+52 RT (STCON)		14.00	0021	01
		209+54-210+47 (STCON)		421.00	0021	01
		210+48-210+78 LT (STCON)		16.00	0021	01
		212+00 - 212+14 LT (STCON)		6.00	0021	01
		COVENTRY (TPVMT)				
		STAGE 1 (TPVMT)		2,100.00	0021	01
		STAGE 2 (TPVMT)		900.00	0021	01
<b>Item 204.0100 Total:</b>				<b>14,832.00</b>		
023	206.0301	COMPOST FILTER SOCK	LF			
		COVENTRY				
		111+94 - 115+55 RT		325.00	0021	01
		206+75 - 207+17 RT		55.00	0021	01
		206+75 LT - 114+25 LT		735.00	0021	01
		207+52 RT - 108+88 LT		310.00	0021	01
<b>Item 206.0301 Total:</b>				<b>1,425.00</b>		
S024	206.9901	ROLLED EROSION CONTROL PRODUCT	SF			
		COVENTRY				
		111+00 LT		400.00	0021	01
		209+00 LT		480.00	0021	01
<b>Item 206.9901 Total:</b>				<b>880.00</b>		
025	208.9901	SOIL STOCKPILE - CONTAMINATED SOIL	SF			
		COVENTRY ROUTE 102 AT ROUTE 117				
		ESTIMATED		750.00	0021	01
<b>Item 208.9901 Total:</b>				<b>750.00</b>		
026	209.9901	CATCH BASIN INLET PROTECTION	EACH			
		COVENTRY				
		106+11 LT		1.00	0021	01
		106+11 RT		1.00	0021	01

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026	209.9901 Cont.	109+21 LT		1.00	0021	01

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037	701.0412 Cont.	109+00 - 109+20 RT		22.00	0021	01
		109+17 LT		26.00	0021	01
		109+17 RT		35.00	0021	01
		110+41 LT		43.00	0021	01
		110+51 LT		41.00	0021	01
		111+42 LT		32.00	0021	01
		111+42 RT		10.00	0021	01
		111+43 LT		4.00	0021	01
		111+50 LT		40.00	0021	01
		111+85 LT		26.00	0021	01
		112+00 RT		46.00	0021	01
		112+10 LT		17.00	0021	01
		112+29 RT		15.00	0021	01
		210+44 RT		51.00	0021	01
		210+77 RT		17.00	0021	01
		210+91 LT-RT		51.00	0021	01
<b>Item 701.0412 Total:</b>				<b>490.00</b>		
038	701.0421	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS III 21 INCH				
		COVENTRY				
		111+40 RT		5.00	0021	01
<b>Item 701.0421 Total:</b>				<b>5.00</b>		
039	701.0424	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS III 24 INCH				
		COVENTRY				
		109+20 LT/RT		38.00	0021	01
		109+23 - 109+37 RT		38.00	0021	01
		111+45 LT		32.00	0021	01
		209+40 RT		26.00	0021	01
<b>Item 701.0424 Total:</b>				<b>134.00</b>		

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040	701.7724	24 INCH REINFORCED CONCRETE PIPE	EACH			

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097	L01.0102	LOAM BORROW 4 INCHES DEEP	SY			
		COVENTRY				
		107+76 LT - 207+51 RT		407.00	0021	01
		207+00 LT - 114+05 LT		626.00	0021	01
		COVENTRY (LOAMS)				
		105+47 - 105+58 (LOAMS)		11.00	0021	01
		105+50 - 106+41 LT (LOAMS)		30.00	0021	01
		105+79 - 107+67 RT (LOAMS)		89.00	0021	01
		106+75 - 107+41 LT (LOAMS)		17.00	0021	01
		107+97 RT - 212+16 RT		275.00	0021	01
		(LOAMS)				
		108+04 - 108+35 LT (LOAMS)		6.00	0021	01
		108+08 - 108+27 RT (LOAMS)		3.00	0021	01
		108+35 - 109+03 RT (LOAMS)		34.00	0021	01
		108+42 - 109+01 LT (LOAMS)		28.00	0021	01
		109+11 LT - 209+13 RT		38.00	0021	01
		(LOAMS)				
		109+13 - 109+45 RT (LOAMS)		17.00	0021	01
		110+00 (LOAMS)		357.00	0021	01
		110+89 RT - 210+93 LT		36.00	0021	01
		(LOAMS)				
		110+96 - 111+70 LT (LOAMS)		37.00	0021	01
		110+98 - 111+46 RT (LOAMS)		19.00	0021	01
		111+97 - 114+00 RT (LOAMS)		72.00	0021	01
		208+20 - 208+56 RT (LOAMS)		8.00	0021	01
		208+58 - 209+00 LT (LOAMS)		19.00	0021	01
		208+64 - 209+02 RT (LOAMS)		18.00	0021	01
		209+10-110+86 LT (LOAMS)		57.00	0021	01
		210+63 - 210+88 RT (LOAMS)		18.00	0021	01
		210+97 - 211+59 RT (LOAMS)		29.00	0021	01
		211+03 - 211+62 LT (LOAMS)		30.00	0021	01
		212+19 LT - 111+79 RT		97.00	0021	01
		(LOAMS)				

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
097	L01.0102	Cont. 212+83 -213+00 LT (LOAMS)		6.00	0021	01

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
097	L01.0102 Cont.					
		Item L01.0102 Total:		2,384.00		
098	L02.0102	<b>RESIDENTIAL SEEDING (TYPE 2)</b>	<b>SY</b>			
		COVENTRY (LOAMS)				
		105+47 - 105+58 (LOAMS)		11.00	0021	01
		105+50 - 106+41 LT (LOAMS)		30.00	0021	01
		105+79 - 107+67 RT (LOAMS)		89.00	0021	01
		106+75 - 107+41 LT (LOAMS)		17.00	0021	01
		107+97 RT - 212+16 RT		275.00	0021	01
		(LOAMS)				
		108+04 - 108+35 LT (LOAMS)		6.00	0021	01
		108+08 - 108+27 RT (LOAMS)		3.00	0021	01
		108+35 - 109+03 RT (LOAMS)		34.00	0021	01
		108+42 - 109+01 LT (LOAMS)		28.00	0021	01
		109+11 LT - 209+13 RT		38.00	0021	01
		(LOAMS)				
		109+13 - 109+45 RT (LOAMS)		17.00	0021	01
		110+00 (LOAMS)		357.00	0021	01
		110+89 RT - 210+93 LT		36.00	0021	01
		(LOAMS)				
		110+96 - 111+70 LT (LOAMS)		37.00	0021	01
		110+98 - 111+46 RT (LOAMS)		19.00	0021	01
		111+97 - 114+00 RT (LOAMS)		72.00	0021	01
		208+20 - 208+56 RT (LOAMS)		8.00	0021	01
		208+58 - 209+00 LT (LOAMS)		19.00	0021	01
		208+64 - 209+02 RT (LOAMS)		18.00	0021	01
		209+10-110+86 LT (LOAMS)		57.00	0021	01
		210+63 - 210+88 RT (LOAMS)		18.00	0021	01
		210+97 - 211+59 RT (LOAMS)		29.00	0021	01
		211+03 - 211+62 LT (LOAMS)		30.00	0021	01
		212+19 LT - 111+79 RT		97.00	0021	01
		(LOAMS)				
		212+83 -213+00 LT (LOAMS)		6.00	0021	01

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
098	L02.0102	Cont.				
				<b>Item L02.0102 Total:</b>	<b>1,351.00</b>	
099	L02.9901	BASIN SLOPE SEED MIX - TYPE 5 (WETLAND SEEDING) COVENTRY	SY			
				114+05 LT - 207+00 LT	565.00	0021 01
				STA. 107+76LT - 207+51RT	361.00	0021 01
				<b>Item L02.9901 Total:</b>	<b>926.00</b>	
S100	L06.9901	ACER RUBRUM 'OCTOBER GLORY', OCTOBER GLORY RED MAPLE, 3-3 1/2" CAL., B&B COVENTRY	EACH			
				108+40 RT	1.00	0021 01
				108+80 RT	1.00	0021 01
				208+50 RT	1.00	0021 01
				209+18 LT	1.00	0021 01
				209+20 RT	1.00	0021 01
				210+80 LT	1.00	0021 01
				211+00 LT	1.00	0021 01
				<b>Item L06.9901 Total:</b>	<b>7.00</b>	
S101	L06.9902	ACER RUBRUM 'RED SUNSET RED MAPLE', 3-3 1/2" CAL., B&B COVENTRY	EACH			
				108+50 LT	1.00	0021 01
				109+00 RT	1.00	0021 01
				208+15 RT	1.00	0021 01
				208+90 LT	1.00	0021 01
				208+95 RT	1.00	0021 01
				209+50 LT	1.00	0021 01
				210+80 LT	1.00	0021 01
				<b>Item L06.9902 Total:</b>	<b>7.00</b>	

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
134	T15.0100 Cont.	S2-13/W16-7P 24"X12"		2.00	0021	01
		S2-14/SP-1 12"X18"		1.50	0021	01
		S2-15/R1-2 36"X36"X36"		4.50	0021	01
		S2-16/SP-1 12"X18"		1.50	0021	01
		S2-17/W11-15 30"X30"		6.25	0021	01
		S2-18/W16-7P 24"X12"		2.00	0021	01
		S2-19/W11-15 30"X30"		6.25	0021	01
		S2-20/W16-7P 24"X12"		2.00	0021	01
		S2-21/SP-1 12"X18"		1.50	0021	01
		S2-22/R1-2 36"X36"X36"		4.50	0021	01
		S2-23/SP-1 12"X18"		1.50	0021	01
		S2-24/W11-15 30"X30"		6.25	0021	01
		S2-25/W16-7P 24"X12"		2.00	0021	01
		S2-35/R4-7 24"X30"		5.00	0021	01
		S2-38/SP-1 12"X18"		1.50	0021	01
		S2-4/W11-1 30"X30"		6.25	0021	01
		S2-45/W11-15 30"X30"		6.25	0021	01
		S2-46/W16-7P 24"X12"		2.00	0021	01
		S2-47/SP-1 12"X18"		1.50	0021	01
		S2-48/R1-2 36"X36"X36"		4.50	0021	01
		S2-49/SP-1 12"X18"		1.50	0021	01
		S2-5/W16-1P 18"X24"		3.00	0021	01
		S2-50/W11-15 30"X30"		6.25	0021	01
		S2-51/W16-7P 24"X12"		2.00	0021	01
		S2-52/W11-15 30"X30"		6.25	0021	01
		S2-53/W16-7P 24"X12"		2.00	0021	01
		S2-54/SP-1 12"X18"		1.50	0021	01
		S2-55/R1-2 36"X36"X36"		4.50	0021	01
		S2-56/W11-15 30"X30"		6.25	0021	01
		S2-57/W16-7P 24"X12"		2.00	0021	01
		S2-58/M4-6 24"X12"		2.00	0021	01
		S2-59/D11-1A 18"X18"		2.25	0021	01
		S2-60/D11-2 18"X18"		2.25	0021	01

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

Estimate Name - Addendum No.1

R.I. Contract No. - 2015-CT-008

FAP Nos: STPG-HRRR(001)

<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
134	T15.0100 Cont.	S2-61/M4-14 24"X12"		2.00	0021	01
		S2-62/D11-1A 18"X18"		2.25	0021	01
		S2-63/D11-2 18"X18"		2.25	0021	01
		S2-64/SP-1 12"X18"		1.50	0021	01
		S2-65/D11-1A 18"X18"		2.25	0021	01
		S2-66/M6-2R 21"X15"		2.19	0021	01
		S2-67/R6-4 30"X24"		5.00	0021	01
		S2-68/R6-4 30"X24"		5.00	0021	01
		S2-69/R6-4 30"X24"		5.00	0021	01
		S2-70/R6-4 30"X24"		5.00	0021	01
		S2-71/W16-1P 18"X24"		3.00	0021	01
		S2-72/W11-1 30"X30"		6.25	0021	01

**Distribution of Quantities**

Project Name - Route 102 at Route 117 Coventry Roundabout (HRRR)

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FAP Nos: STPG-HRRR(001)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
134	T15.0100 Cont.	S3-10/R2-1 24"X30"		5.00	0021	01
		S3-11/W2-6 30"X30"		6.25	0021	01
		S3-12/W16-17P 24"X12"		2.00	0021	01
		S3-19/R4-7 24"X30"		5.00	0021	01
		S4-1/W2-630"X30"		6.25	0021	01
		S4-15/W2-6 30"X30"		6.25	0021	01
		S4-16/W16-17P 24"X12"		2.00	0021	01
		S4-2/W16-17P 24"X12"		2.00	0021	01
		STA 702+18 RT		9.00	0021	01
		STA 709+92 LT		9.00	0021	01
		SCITUATE				
		601+75 RT		9.00	0021	01
		609+00 LT		9.00	0021	01
		WEST GREENWICH				
		504+50 RT		33.75	0021	01
		515+25 LT		33.75	0021	01
<b>Item T15.0100 Total:</b>				<b>327.19</b>		
135	T16.0100	<b>GROUND MOUNTED PRIMARY DIRECTIONAL SF</b>				
		<b>SIGN PANELS EXTRUDED ALUMINUM</b>				
		COVENTRY				
		S1-3/D1-5126"X96"		84.00	0021	01
		S3-13/D1-5 126"X96"		84.00	0021	01
		S4-3/D1-5150"X96"		100.00	0021	01
<b>Item T16.0100 Total:</b>				<b>268.00</b>		
136	T16.0300	<b>GROUND MOUNTED PRIMARY DIRECTIONAL EACH</b>				
		<b>SIGN POST-STEEL BREAKAWAY</b>				
		COVENTRY				
		S1-3/D1-5		2.00	0021	01
		S3-13/D1-5		2.00	0021	01
		S4-3/D1-5		2.00	0021	01
		WEST GREENWICH				

**Distribution of Quantities**

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FAP Nos: STPG-HRRR(001)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
147	T20.2020 Cont.	COVENTRY				
		CENTER ISLAND		4.00	0021	01
				<b>Item T20.2020 Total:</b>	<b>4.00</b>	
148	T20.2042	EPOXY RESIN PAVEMENT MARKING - YIELD LINE SYMBOL	EACH			
		COVENTRY				
		EAST APPROACH		7.00	0021	01
		NORTH APPROACH		7.00	0021	01
		SOUTH APPROACH		7.00	0021	01
		WEST APPROACH		7.00	0021	01
				<b>Item T20.2042 Total:</b>	<b>28.00</b>	
149	T20.2056	EPOXY RESIN PAVEMENT MARKING WORD "YIELD"	EACH			
		COVENTRY				
		EAST APPROACH		1.00	0021	01
		NORTH APPROACH		1.00	0021	01
		SOUTH APPROACH		1.00	0021	01
		WEST APPRAOCH		1.00	0021	01
				<b>Item T20.2056 Total:</b>	<b>4.00</b>	
150	L02.9902	WETLAND SEED MIX - TYPE 5 (WETLAND SEEDING)	SY			
		COVENTRY				
		207+84 - 209+36 RT		47.00	0021	01
		208+00 LT - 111+54 LT		62.00	0021	01
				<b>Item L02.9902 Total:</b>	<b>109.00</b>	