

June 15, 2012

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF TRANSPORTATION
RHODE ISLAND CONTRACT NO.2012-CT-016
FEDERAL-AID PROJECT NO. FAP Nos: STP-0102(008)

STC Signal Installations - Route 102 Left Turn Lanes

Ten Rod Rod (Route 102) at Autumn Drive/Lang Drive
CITY/TOWN OF North Kingstown
COUNTY OF WASHINGTON

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. Clarification

1. Pre-Bid Question - 06/14/2012

It is the intent of this Contract to utilize filter fabric and geomembrane between the riprap and the bedding. This detail was included in the approved RIDEM Permit.

B. Contract Dates

1. Substantial Complete Date

The Substantial Complete Date has been revised to June 14, 2013.

C. Contract Documents

1. Specifications - Job Specific

- a. Index Page JS-i

Delete Index Page JS-i in its entirety and insert revised Index Page JS-i (R-1) attached to this Addendum No. 1.

The Specification for Code 936 - Mobilization has been added.

- b. Pages JS-20a and JS-20b

Insert Pages JS-20a and JS-20b attached to this Addendum No. 1. The Specification for Code 936 - Mobilization has been added.

c. Page JS-23

Delete Page JS-23 in its entirety and insert revised Page JS-23 (R-1) attached to this Addendum No. 1.

The Price Adjustments have been revised.

2. General Provisions - Contract Specific

a. Index Page CS-i

Delete Index Page CS-i in its entirety and insert revised Index Page CS-i (R-1) attached to this Addendum No. 1

"Appendix D - Test Hole Data" has been added.

b. Page CS-2

Delete Page CS-2 in its entirety and insert revised Page CS-2 (R-1) attached to this Addendum No. 1.

The last sentence has been revised.

c. Appendix D - Test Hole Data

Insert Appendix D attached to this Addendum No. 1. A new Appendix Section, "Appendix D - Test Hole Data" has been added.

A question was asked about the water table level at the relocated span pole foundation. The Test Hole Data shows the water level at test holes conducted in the area.

D. Distribution of Quantities

1. Index Pages 1 - 3

Delete Index Pages 1 - 3 in their entirety and insert revised Index Pages 1 - 3 (R-1) attached to this Addendum No. 1.

Item Codes 905.0110 "Portland Cement Sidewalk Monolithic Standard 43.1.0", 936.0110 "Mobilization" and 942.9901 "Detectable Warning Panel" have been added to the Contract.

Item Code 936.0100 "Mobilization and Demobilization" has been deleted from the Contract.

2. Page 19

Delete Page 19 in its entirety and insert revised Page 19 (R-1) attached to this Addendum No. 1.

Item Code No. 936.0100 Mobilization and Demobilization has been removed from the Contract.

3. Page 33

Delete Page 33 in its entirety and insert revised Page 33(R-1) attached to this Addendum No. 1.

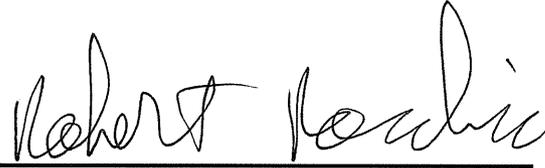
Item Codes 905.0110 "Portland Cement Sidewalk Monolithic Standard 43.1.0", 936.0110 "Mobilization" and 942.9901 "Detectable Warning Panel" have been added to the Contract.

E. Plans

1. Sheet No. 8 "General Plan No. 2"

Delete Sheet No. 8 in its entirety and insert revised Sheet No. 8 (R-1) attached to this Addendum No. 1.

Portland Cement Sidewalk and Detectable Warning Panels have been added at the pedestrian poles.

For: 

RI Department of Transportation
Chief Engineer

**INDEX
SPECIFICATIONS - JOB SPECIFIC**

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12.108.1000	Prosecution and Progress	JS-3
105.02	Plans and Shop Drawings	JS-4
212.1000	Maintenance and Cleaning of Erosion and Pollution Controls	JS-5
401.9901	Class 19.0 with Pay Factors	JS-6
401.9902	Class 12.5 with Pay Factors	JS-12
701.9901	Catch Basin Hood for 12-Inch RCP	JS-18
906.1000	Dust Control	JS-19
920.9901	Impervious Geomembrane	JS-20
936	Mobilization	JS-20a
937.1000	Maintenance and Movement of Traffic Protection Devices	JS-22
938.1000	Price Adjustments	JS-23
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T04.9904	Pre-Molded Splices 2, 3, and 4-Way Splices	JS-25
T11.9901	Remove and Reset Existing Span Pole to New Foundation	JS-26
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T20.9902	12-Inch Temporary Epoxy Resin Pavement Markings-White	JS-28
T20.9903	4-Inch Temporary Epoxy Resin Pavement Markings-Yellow	JS-28
T20.9904	6-Inch Temporary Epoxy Resin Pavement Markings-Yellow	JS-28
T20.9905	8-Inch Temporary Epoxy Resin Pavement Markings-Yellow	JS-28
T20.9906	Temporary Epoxy Resin Pavement Arrow-Straight, Left, Right or Combined STD 20.1.0	JS-28
T20.9907	6-Inch Temporary Epoxy Resin Pavement Markings-White	JS-28

CODE 936 MOBILIZATION

DESCRIPTION:

This work consists of those efforts necessary for the movement of the Contractor's personnel and equipment to the project site and for the establishment of all the Contractor's field offices, buildings and other facilities required for the performance of the Contract.

MATERIALS:

Not applicable.

METHOD OF CONSTRUCTION:

Not applicable.

METHOD OF MEASUREMENT:

This work will be measured for payments as follows:

- a. First Payment.** The first payment of 50 percent of the lump sum bid price for Mobilization or 5 percent of the total contract amount without mobilization, whichever is the lesser, will be made on the first progress payment.
- b. Second Payment.** The second payment of 35 percent of the lump sum price for Mobilization or 3.5 percent of the total contract amount without mobilization, whichever is the lesser, will be made when the progress payment estimate of the amount earned, not including that amount earned for mobilization, is 5 percent of the total contract amount without mobilization.
- c. Third Payment.** The third payment of 15 percent of the lump sum price for Mobilization or 1.5 percent of the total contract amount without mobilization, whichever is the lesser, will be made when the progress payment estimate of the amount earned, not including that amount earned for mobilization, is 10 percent of the total contract amount without mobilization.
- d. Final Payment.** Upon completion of all the work on the project, including demobilization, payment of any amount bid for Mobilization in excess of the total amount previously paid, will be paid.

BASIS OF PAYMENT:

"Mobilization and Demobilization" will be paid for at the contract lump sum price as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment and other incidentals required to establish the Contractor's facilities at the site and, at the conclusion of the contract, for the complete removal thereof.

No lump sum breakdown will be required for this item of work.

**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 **\$637.50** per ton as of 6/01/2012.

*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 **\$2.8999** per gallon as of 6/01/2012.

INDEX
GENERAL PROVISIONS – CONTRACT SPECIFIC

R-1

<u>PARAGRAPH</u>	<u>TITLE</u>	<u>PAGE</u>
1	Brief Scope of Work	CS-1
2	List of Contract Drawings	CS-1
3	Utility and Municipal Notification and Coordination	CS-1
4	Specialty Items	CS-3
5	Transportation Management Plan	CS-3
6	Sequence of Construction	CS-3
7	Incident Management	CS-5
8	State and Local Police Compensation	CS-5
9	Traffic Fines in Work Zones	CS-5
10	Covering Existing Signs	CS-6
11	Contractor's Responsibility for Damaged Storm Drains	CS-6
12	Contractor's Responsibility for Damaged Electric Handholes/Structures	CS-6
13	Shop Drawings	CS-6
14	Environmental Permits	CS-7
15	Placement of Waterborne Pavement Marking Paint	CS-7
16	Coordination with Other Contractors	CS-7
17	Night Work Operations	CS-8
18	Pavement Cores	CS-8
Appendices		
	Appendix A – Transportation Management Plan	
	Appendix B – Pavement Cores	
	Appendix C – Environmental Permits	
	Appendix D - Test Hole Data	

Additional action required by the Contractor is described within these General Provisions under the section entitled, "Sequence of Construction." The following utility companies have indicated that they own facilities within the project area:

Name of Utility Company	Contact Person	Estimated Working Time
Verizon	Anthony Filomeno (401) 727-9543	Two weeks
National Grid (Electric)	Thomas Capobianco (401)784-7248	Two weeks
National Grid (Gas)	James Paulette (781) 907-2845	Not applicable
Cox Communications	David Velilla (401) 615-1284	2 days
North Kingstown Water	Susan Licardi (401) 268-1521 x230	1 day
North Kingstown Public Works	Philippe Bergeron (401) 294-3331 x600	Not applicable
North Kingstown Fire Department	Fenwick Gardiner Jr. (401) 294-3346	1 day
Siena Engineering Group, Inc.	David Edgar (781) 221-8400 x7005	1 day

There will be no utility down time for this project. All utility relocations shall be finalized prior to the Contractor receiving the Notice to Proceed. The estimated working times shown above are for informational purposes only. Utility involvement will be limited to coordination for the verification of existing utility locations, which will be carried out by the Contractor.

The Contractor will have to coordinate with two (2) utility companies. The Contractor shall contact Siena Engineering Group, Inc. (Contractor for AT&T) to schedule the adjusting to grade of the manhole at Station 168+55 Lt. The Contractor shall contact North Kingstown Water a minimum of 48 hours prior to excavation activities occurring proximate to water utilities. North Kingstown Water Company has requested to be present during excavation.

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 Rhode Island Legislation. The Contractor should be aware that not all utilities 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 work. Any damage to existing utilities caused by the Contractor shall be replaced or repaired to the satisfaction of the Engineer at no additional cost to the State.

APPENDIX D
TEST HOLE DATA



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 Department of Environmental Management
 Office of Water Resources



Site Evaluation Form
Part A - Soil Profile Description

PAGE 1 OF 3
 Application Number _____

Property Owner: RIDOT
 Property Location: Ten Rod Road, North Kingstown
 Date of Test Hole: 7-12-10
 Soil Evaluator: B. King License Number: D4010
 Weather: Sunny Shaded: Yes No Time: 9:00 - 1:00

TH 1 Horizon	Depth	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
A	0-3			10 YR 4/3	---		---		sil	gr	fr	
Bw1	3-8	c	w	10 YR 4/4	---		---		sil	gr	fr	
2C	8-101	c	w	5 Y 4/2	Around stones 7.5 YR 4/6		f m p		gfs w/st	Osg	l/vfr	
2C2	101-150	c	w	2.5 Y 7/2	---		---		vfs	Osg	l	
TH 2 Horizon	Depth	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
A	0-2			10 YR 4/3	---		---		sil	gr	fr	
Bw1	2-6	c	w	10 YR 4/4	---		---		sil	gr	fr	
Bw2	6-12	c	w	2.5 Y 4/3	---		---		fsl/sil	gr	fr	
2C	12-59	c	w	5 Y 4/2	Around stones 7.5 YR 4/6		f m p		gfs w/st	Osg	l/vfr	
2C2	59-144	c	w	2.5 Y 7/2	---		---		vfs	Osg	l	

Soil Class: Outwash Total Depth of each Test Hole: 150 / 144
 Depth to Groundwater Seepage: NA / NA Depth to Impervious or Limiting Layer: NA / NA
 Estimated Seasonal High Water Table: Use 120 / Use 120 Comments: TP1 - Soil Damp at 138"
 Addendum No. 1

Part B

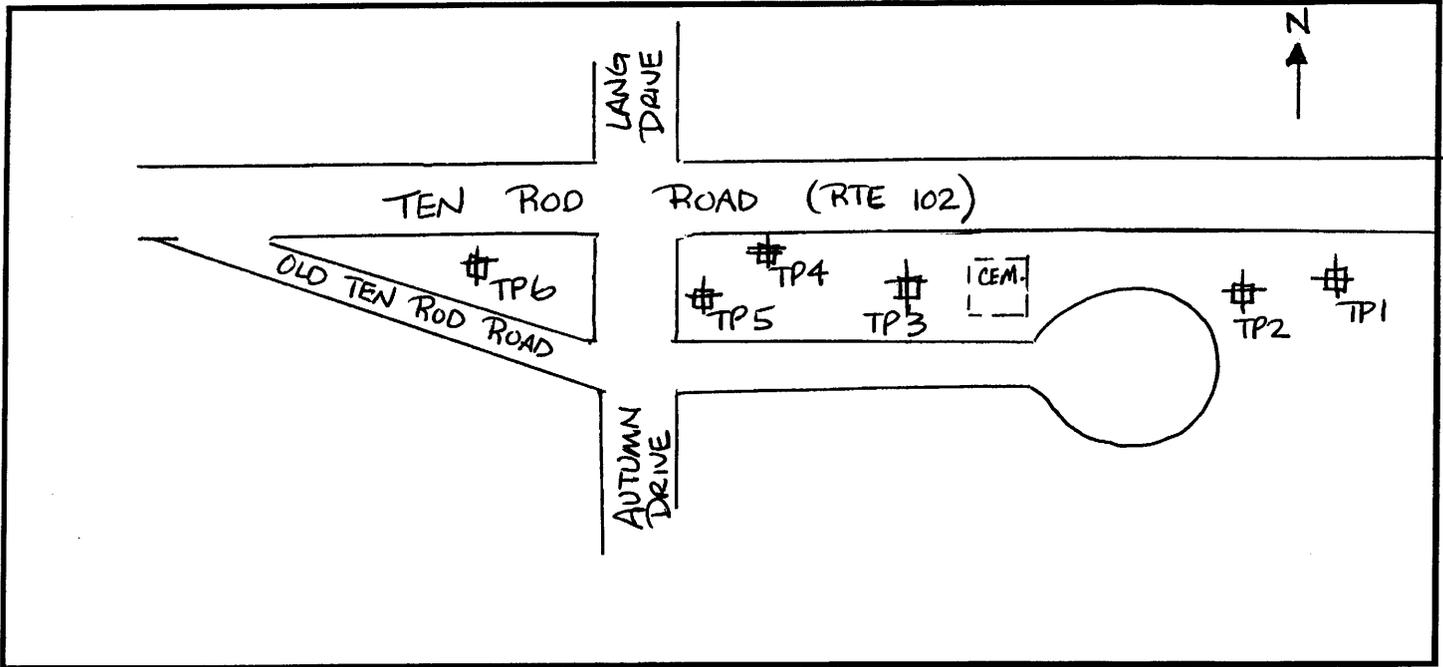
Site Evaluation - to be completed by Class II or III Designer or Soil Evaluator

Please use the area below to locate:

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

Key:

	Approximate location of test holes
	Estimated gradient and direction of slope
	Approximate direction of due north



1. Relief and Slope: Varies (slope consistent with Ten Rod Road grade)
2. Presence of any watercourse, wetlands or surface water bodies, within 200 feet of test holes: YES NO If yes, locate on above sketch.
3. Presence of existing or proposed private drinking water wells within 200 feet of test holes: YES NO If yes, locate on above sketch. Did not observe
4. Public drinking water wells within 500 feet of test holes: YES NO If yes, locate on above sketch.
5. Is site within the watershed of a public drinking water reservoir or other critical area defined in SD 19.00? YES NO
6. Has soil been excavated from or fill deposited on site? YES NO If yes, locate on above sketch. (TP6)
7. Site's potential for flooding or ponding: NONE SLIGHT MODERATE SEVERE
8. Landscape position: _____
9. Vegetation: grass-woods (edge of road)
10. Indicate approximate location of property lines and roadways.
11. 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: Brian R. Key D4010
 Signature License #

Part B prepared by: Brian R. Key D4010
 Signature License #

FOR OFFICE USE ONLY

Decision: Approved Disclaimed

Comments: _____

Signature Authorized Agent _____ Date _____



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Environmental Management

Office of Water Resources



Site Evaluation Form
Part A - Soil Profile Description

Application Number

Property Owner: RIDOT
Property Location: Ten Rod Road, North Kingstown
Date of Test Hole: 7-12-10
Soil Evaluator: B. King License Number: D4010
Weather: Sunny Shaded: Yes [X] No [] Time: 9:00 - 1:00

Table with 11 columns: TH Horizon, Depth, Horizon Boundaries (Dist, Topo), Soil Colors (Matrix, Re-Dox Features), Re-Dox Description (Ab., S., Con.), Texture, Structure, Consistence, Soil Category. Contains data for TH 3 and TH 4 soil profiles.

Soil Class: Outwash
Total Depth of each Test Hole: 120 / 138
Depth to Groundwater Seepage: NA / NA
Depth to Impervious or Limiting Layer: NA / NA
Estimated Seasonal High Water Table: Use 120" / Use 120"
Comments:
Addendum No. 1

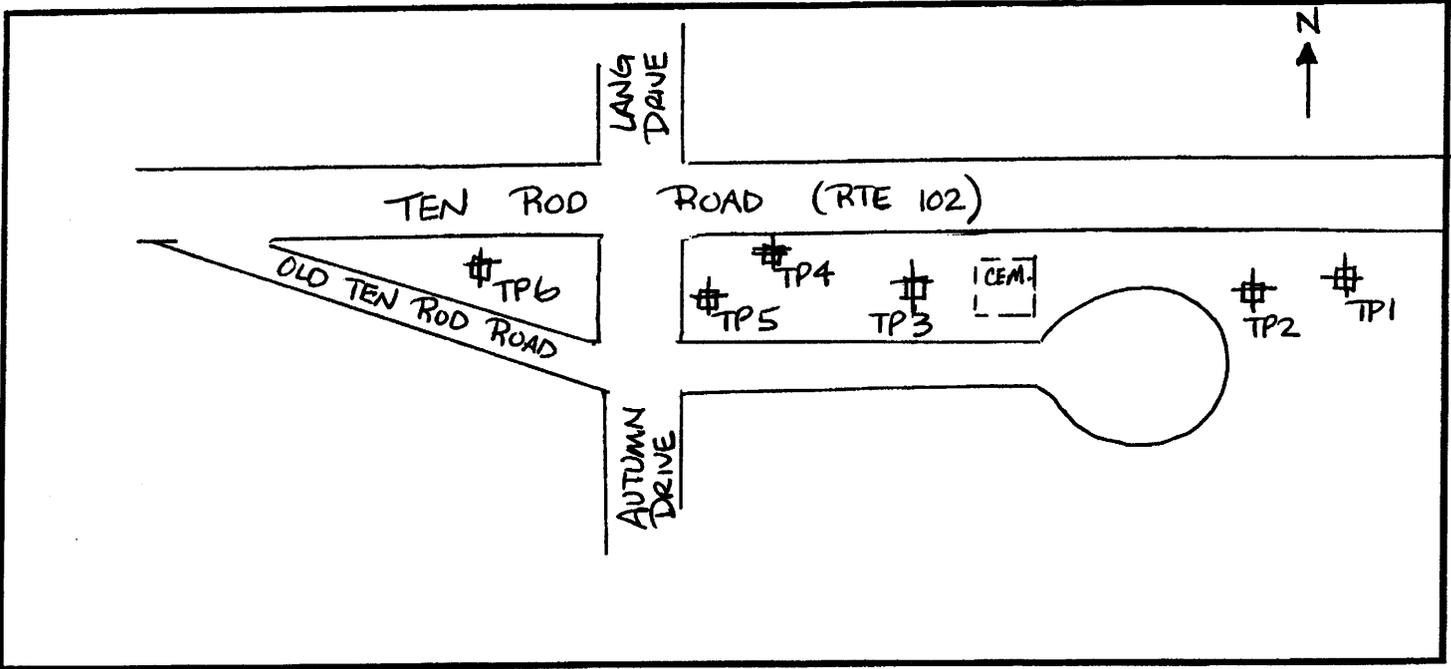
Part B

Site Evaluation - to be completed by Class II or III Designer or Soil Evaluator
 Please use the area below to locate:

1. Test holes
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Key:

-  Approximate location of test holes
-  Estimated gradient and direction of slope
-  Approximate direction of due north



1. Relief and Slope: Varies (slope consistent with Ten Rod Road grade)
2. Presence of any watercourse, wetlands or surface water bodies, within 200 feet of test holes: YES NO If yes, locate on above sketch.
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4. Public drinking water wells within 500 feet of test holes: YES NO If yes, locate on above sketch.
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 Signature License #

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Decision: Approved Disclaimed

Comments: _____

Signature Authorized Agent _____ Date _____



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 Department of Environmental Management
 Office of Water Resources



PAGE 3 OF 3

Site Evaluation Form
Part A - Soil Profile Description

Application Number _____

Property Owner: RIDOT
 Property Location: Ten Rod Road, North Kingstown
 Date of Test Hole: 7-12-10
 Soil Evaluator: B. King License Number: D4010
 Weather: Sunny Shaded: Yes No Time: 9:00 - 1:00

TH 5 Horizon	Depth	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
A	0-8			10 YR 3/3					fsl/sil	gr	fr	
Bw1	8-12	c	w	10 YR 5/6	---		---		sil	gr	fr	
Bw2	12-25	c	w	2.5 Y 5/4	---		---		sil	sbk	fr	
C	25-47	c	w	2.5 Y 6/3	7.5YR 5/8 Hanging			c m p	sil	Om	fr/fi	
2C	47-65	c	w	2.5 Y 6/2	---		---		fs	Osg	fr	
2C2	65-120	c	w	5 Y 4/2	---		---		st gfs/ ls	Osg	fr/fi	
TH 6 Horizon	Depth	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
HTM (Fill)	0-12/29	---	---	---	---			---	vfs1	---	---	---
Ab	12/29-33	i	g	10 YR 3/3	---		---		fsl	gr	fr	
Bw1	33-39/46	i	g	10YR 4/4	---		---		fsl	sbk	fr	
Bw2				10YR 4/6					fsl			
C	39/46-68	i	g	2.5 Y 5/3	---		---		fs/s	Osg	vfr/l	
C2	68-93	c	w	2.5 Y 6/3	---		---		gs	Osg	l	
2C	93-110	c	w	2.5Y 4/1	wet		---		sil	Om	fr/fi	
2C2	110-137	c	w	2.5Y 4/2	---		---		fs/s	Osg		

Soil Class: Outwash Total Depth of each Test Hole: 120 / 137
 Depth to Groundwater Seepage: NA / 93 (Wet) Depth to Impervious or Limiting Layer: NA / NA
 Estimated Seasonal High Water Table: Use 120 / 93 Comments: _____
 Addendum No. 1

Part B

Site Evaluation - to be completed by Class II or III Designer or Soil Evaluator
Please use the area below to locate:

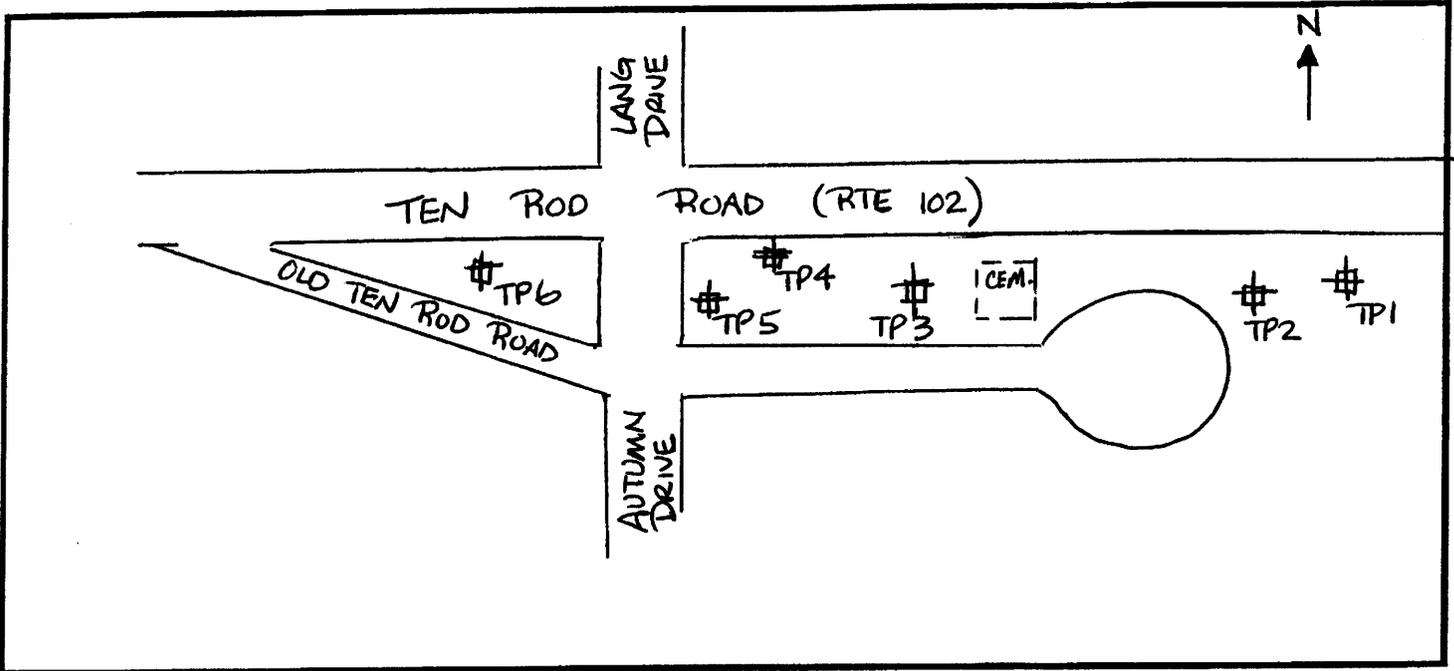
1. Test holes
2. Approximate direction of due north
3. Offsets from test holes to fixed points such as street, utility pole, or other permanent, marked object

Key:

 Approximate location of test holes

 Estimated gradient and direction of slope

 Approximate direction of due north



1. Relief and Slope: Varies (slope consistent with Ten Rod Road grade)
2. Presence of any watercourse, wetlands or surface water bodies, within 200 feet of test holes: YES NO If yes, locate on above sketch.
3. Presence of existing or proposed private drinking water wells within 200 feet of test holes: YES NO If yes, locate on above sketch. Did not observe
4. Public drinking water wells within 500 feet of test holes: YES NO If yes, locate on above sketch.
5. Is site within the watershed of a public drinking water reservoir or other critical area defined in SD 19.00? YES NO
6. Has soil been excavated from or fill deposited on site? YES NO If yes, locate on above sketch. (TP6)
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8. Landscape position: _____
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Part B prepared by: Brian R. Key D4010
Signature License #

FOR OFFICE USE ONLY

Decision: Approved Disclaimed

Comments: _____

Signature Authorized Agent _____ Date _____



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 Department of Environmental Management
 Office of Water Resources



Site Evaluation Form
Part A - Soil Profile Description Application Number _____

Property Owner: State of Rhode Island
 Property Location: Southwest Quadrant of Route 4 at Route 102 Interchange, North Kingstown, RI
 Date of Test Hole: 5/31/2011
 Soil Evaluator: Jon Vernava License Number: D4011
 Weather: Clear Shaded: Yes No Time: 10:00 AM

TH <u>1A</u> Horizon	Depth (inch)	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
^A (HTM)	0-6	a	s	10 YR 4/4	--		--		fsl	lmgr	vfr	
^C (HTM)	6-10	a	w	2.5Y 4/1	--		--		stfsl	lmsbk	fr	
2C1	10-18	c	w	2.5Y 7/2	--		--		st, gls	Osg	1	1
2C2	18-42	c	w	2.5Y 7/2	2.5Y 6/6	f	l	p	st, gfsl	lmsbk	vfr	4
2C3	42-96	g	w	2.5Y 6/3	2.5Y 6/6	f	l	d	st, gfsl	lmsbk	vfr	4
2C4	96-156			2.5Y 7/2	--		--		gls	Osg	1	1
TH <u>2A</u> Horizon	Depth (inch)	Horizon Boundaries		Soil Colors		Re-Dox Description			Texture	Structure	Consistence	Soil Category
		Dist	Topo	Matrix	Re-Dox Features	Ab.	S.	Con.				
^A (HTM)	0-6	a	s	10 YR 4/4	--		--		fsl	lmgr	vfr	
^C (HTM)	6-32	a	w	2.5Y 4/1	--		--		stfsl	lmsbk	fr	
2C1	32-48	a	w	2.5Y 7/2	--		--		st, gls	Osg	1	1
2C2	48-66	c	w	2.5Y 5/3	--		--		st, gfsl	lmsbk	vfr	4
2C3	66-78	c	w	2.5Y 6/4	2.5Y 6/6	f	l	d	st, gfsl	lmsbk	vfr	4
2C4	78-120			2.5Y 4/4	--		--		gls	Osg	1	1

Soil Class: C - Outwash Total Depth of each Test Hole: #1 = 156" #2 = 120"
 Depth to Groundwater Seepage: #1A = 132" #2A = 108" Depth to Impervious or Limiting Layer: None
 Estimated Seasonal High Water Table: #1A = 108" #2A = 84" Comments: Estimate 30% Stone Coarse
Fragments in Upper 60" of Profile. (HTM) is Human Transported Material Likely from
Cut and Fill for Road Construction. Infiltration Rate 6 min/in at 72" depth in #1.

Table of Contents - Distribution of Quantities

Project Name - STC Signal Installations - Route 102 Left Turn Lanes
 Estimate Name - Addendum to Current
 R.I. Contract No. - 2012-CT-016
 FAP Nos: STP-0102(008)

<u>ItemCode</u>	<u>Description</u>	<u>Page</u>
201.0301	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")	1
201.0302	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (24'' OR PLUS)	1
201.0321	CLEARING AND GRUBBING	1
201.0402	REMOVE AND DISPOSE CONCRETE CURB	1
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
201.0419	REMOVE AND DISPOSE FENCE	2
201.0423	REMOVE AND DISPOSE HANDHOLE	2
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	2
201.0432	REMOVE AND DISPOSE HEADWALL	3
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	3
201.0616	REMOVE AND DISPOSE LIGHT STANDARD FOUNDATIONS	3
201.0617	REMOVE AND DISPOSE CONDUIT - ALL SIZES	3
201.9901	REMOVE AND DISPOSE EXISTING 4' X 4' X 15' DEEP FOUNDATION TO A DEPTH 2 FEET BELOW GRADE	4
202.0100	EARTH EXCAVATION	4
204.0100	TRIMMING AND FINE GRADING	4
206.0201	BALED HAY EROSION CHECK STANDARD 9.1.0	5
206.0208	REMOVAL OF BALED HAY EROSION CHECKS	5
207.9901	COMPOST FILTER SOCK - 12 INCH	5
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	5
302.0100	GRAVEL BORROW SUBBASE COURSE	5
303.0100	SPECIAL GRADED AGGREGATE FOR SHAPING AND TRIMMING DRIVEWAYS OR SHOULDERS	6
401.9901	CLASS 19 WITH PAY FACTORS	6
401.9902	MODIFIED CLASS 12.5 WITH PAY FACTORS	7
403.0300	ASPHALT EMULSION TACK COAT	7
701.0412	REINFORCED CONCRETE PIPE M 170 CLASS III 12 INCH	7
701.0612	REINFORCED CONCRETE PIPE M 170 CLASS V 12 INCH	8
701.6012	12 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	8
701.7712	12 INCH REINFORCED CONCRETE PIPE END SECTION STANDARD 2.3.0	8
701.9901	CATCH BASIN HOOD FOR 12-INCH RCP	8
702.0517	FRAME AND GRATE, STANDARD 6.3.2	8
702.0522	FRAME AND COVER STANDARD 6.2.1	9
702.0533	PRECAST CONCRETE APRON STONE 38'' STANDARD 7.1.8	9
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	9
702.0615	PRECAST CATCH BASIN 6' DIAMETER STANDARD 4.4.0	9
702.0625	PRECAST CATCH BASIN 6' SQUARE STANDARD 4.3.0	10
702.0722	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN STANDARD 3.5.0	10
702.0724	SOLID BLOCK SHALLOW 6'-0" SQUARE CATCH BASIN STANDARD 3.5.1	10
707.1100	ADJUST CATCH BASINS	10
707.1200	ADJUST CATCH BASIN TO MANHOLE	10
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	11
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	11
709.0100	CONCRETE CONNECTING COLLAR STANDARD 1.3.0	12
709.0200	CONCRETE HEADWALLS FOR PIPE CULVERTS STANDARD 2.1.0	12
711.0110	3'' PAVED WATERWAY CLASS I-1 STANDARD 8.4.0	12
712.0100	WATER GATE BOX	12
712.0200	GAS GATE BOX	13

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906.0231	CEMENT CONCRETE SLOPE FACE CURB PRECAST CIRCULAR STANDARD 7.2.0	13
906.0270	PRECAST CONCRETE TRANSITION CURB STANDARD 7.2.2	13
906.0271	PRECAST CONCRETE SLOPE FACE TRANSITION CURB STANDARD 7.2.1	14
906.0602	BITUMINOUS BERM STANDARD 7.5.1	14
907.0100	WATER FOR DUST CONTROL	14
917.0105	REMOVE AND REPLACE RURAL MAILBOX POST WITH STANDARD 15.1.0	14
917.0106	REMOVE AND REPLACE MULTIPLE MAILBOX MOUNTING WITH STANDARD 15.2.0	15
918.0100	RURAL MAILBOXES	15
920.0060	PLACED STONE RIPRAP R-6, R-7, R-8	15
920.0090	PLACED STONE RIPRAP R-6, R-7, R-8	15
920.0140	BEDDING FOR RIPRAP FS-3 STANDARD 8.3.0	16
920.0200	FILTER FABRIC FOR RIP-RAP	16
920.9901	IMPERVIOUS GEOMEMBRANE	16
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	16
923.0105	DRUM BARRICADE STANDARD 26.2.0	17
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	17
924.0113	ADVANCE WARNING ARROW PANEL	17
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928.0800	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD	17
929.0110	FIELD OFFICE	17
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932.0100	CUTTING AND MATCHING ASPHALT	18
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935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	19
936.0100	** ITEM DELETED **	19
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L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	20
L02.0102	RESIDENTIAL SEEDING (TYPE 2)	21
L02.0103	TEMPORARY SEEDING (TYPE 3)	21
L05.0502	ADHESIVE MULCH STABILIZER	21
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L06.9901	CORNUS SERICEA 'REDTWIG DOGWOOD' (3 GAL.) CONT.	22
L06.9902	ILEX GLABRA 'COMPACTA' 'COMPACT INKBERRY' (18-24") B & B	22
L06.9903	ILEX VERTICILLATA 'SPARKLEBERRY' FEMALE 'FEMALE WINTERBERRY' (24-30") CONT.	22
L06.9904	ILEX VERTICILLATA 'SPARKLEBERRY' MALE 'MALE WINTERBERRY' (3 GAL.) CONT.	22
L06.9905	KALMIA LATIFILIA 'MOUNTAIN LAUREL' (24-30") B & B	22
L06.9906	VIBURNUM DENTATUM 'ARROWOOD VIBURNUM' (3-4') B & B	23
L06.9907	ACER RUBRUM 'OCTOBER GLORY' 'RED MAPLE' (2-2.5" CAL.) B & B	23
L06.9908	CORNUS KOUSA 'KOUSA DOGWOOD' (2-2.5" CAL.) B & B	23
L06.9909	CORNUS MAS 'CORNELIAN CHERRY' (4-5') B & B	23
L06.9910	PINUS STROBUS 'WHITE PINE' (6-8') B & B	23
L06.9911	NARCISSUS 'ICE FOLLIES' 'WHITE WITH YELLOW CROWN DAFFODIL'	24
L06.9912	NARCISSUS 'RIJNVELD'S EARLY SENSATION' 'YELLOW TRUMPET DAFFODIL'	24
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T04.5305	14 AWG 5 CONDUCTOR CABLE	25
T04.6902	'2' STRANDED COPPER CONDUCTOR 600V INSULATION	25
T04.9901	PREMOLDED SPLICE KITS - 2, 3 AND 4 WAY	25
T05.0100	PRECAST TYPE A HANDHOLE STANDARD 18.2.0	25
T05.0200	PRECAST TYPE H HEAVY DUTY HANDHOLE STANDARD 18.2.1	26
T05.1030	ADJUST HANDHOLE TO GRADE	26
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T11.9901	REMOVE AND RESET EXISTING SPAN POLE TO NEW FOUNDATION	27
T11.9902	TETHER WIRE 5/16 WITH BREAKAWAY COUPLINGS	27
T11.9904	SPAN POLE FOUNDATION	27
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	27
T14.3413	1 WAY 3 SECTION SPAN MOUNTED SIGNAL HEAD 12 INCH	28
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	28
T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	29
T20.0104	4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	29
T20.0106	6 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	29
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	30
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	30
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	30
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	31
T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	31
T20.2018	8 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	31
T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	31
T20.9902	12 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	32
T20.9903	4 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	32
T20.9904	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	32
T20.9905	8 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	32
T20.9906	TEMPORARY EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT OR COMBINED STD. 20.1.0	32
T20.9907	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKING WHITE	33
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	33
936.0110	MOBILIZATION	33
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072	932.0200 Cont.	173+58 RT. - 173+69 RT.		24.00	0004	01
		173+68 LT. - 174+20 LT.		52.00	0004	01
		174+05 LT. - 174+14 LT.		23.00	0004	01
		178+00 LT. - 178+85 LT.		93.00	0004	01
		178+85 - 179+00 RT		30.00	0004	01
		180+58 - 181+39 RT		155.00	0004	01
		181+54 - 181+62 RT		30.00	0004	01
Item 932.0200 Total:				2,425.00		
073	935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	SY			
		TEN ROD ROAD				
		166+60 - 172+45 LT/RT		4,110.00	0004	01
		172+45 - 178+70 LT/RT		4,994.00	0004	01
		178+70 - 181+76 LT/RT		2,770.00	0004	01
Item 935.0400 Total:				11,874.00		
075	937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	LS			
		TEN ROD ROAD				
		AS REQUIRED		1.00	0004	01
Item 937.0200 Total:				1.00		
076	943.0200	TRAINEE MAN-HOURS	MHRS			
		TEN ROD ROAD				
		AS REQUIRED		500.00	0004	01
Item 943.0200 Total:				500.00		

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S130	T20.9906 Cont.	ARROW - STRAIGHT, LEFT, RIGHT OR COMBINED STD. 20.1.0 TEN ROD ROAD AFTER INITIAL WIDENING FROM CODE T20.2020		4.00	0004	01
Item T20.9906 Total:				4.00		
S131	T20.9907	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKING WHITE TEN ROD ROAD AFTER INITIAL WIDENING FROM CODE T20.2006	LF	3,972.00	0004	01
Item T20.9907 Total:						
132	905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0 TEN ROD ROAD AT PEDESTRIAN POLE	CY	1.00	0004	01
Item 905.0110 Total:				1.00		
133	936.0110	MOBILIZATION TEN ROD ROAD AS REQUIRED	LS	1.00	0004	01
Item 936.0110 Total:				1.00		
134	942.9901	DETECTABLE WARNING PANEL TEN ROD ROAD 173+52 RT 173+55 LT	SF	10.00	0004	01
Item 942.9901 Total:				20.00		

