

April 10, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7548568

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2014-CH-028

FEDERAL-AID PROJECT NO. FAP Nos: 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Apponaug Circulator By-Pass

Apponaug Circulator in Warwick, RI. I-95 southbound Exit 10B Off-Ramp to West Shore Road/Station Street.

CITY/TOWN OF Warwick

COUNTY OF KENT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 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. General Provisions - Contract Specific

1. CS-14

Delete page CS-14 in its entirety and replace it with revised page CS-14(R-1) attached to this Addendum No. 2. The first paragraph of section 11. SPECIAL NOTICE TO THE CONTRACTOR has been revised.

2. Transportation Management Plan - General Restrictions Page 3

Delete General Restrictions Page 3 in its entirety and replace it with revised General Restrictions Page 3(R-1) attached to this Addendum No. 2. Restrictions for the closure of Bridge No. 138 have been added.

B. Specifications - Job Specific

1. JS-345

Delete page JS-345 in its entirety and replace it with revised page JS-345(R-1) attached to this Addendum No. 2. Special Provision Code 911.3200, Remove and Reset Wet Stone Masonry Wall, has been revised in its entirety.

2. JS-346 through JS-348

Delete pages JS-346 through JS-348 in their entirety and replace them with revised pages JS-346(R-1) through JS-348(R-1) attached to this Addendum No. 2. Special Provision Code 911.9901, Modified Wet Stone Masonry Retaining Wall STD. 10.1.0, has been revised in its entirety.

C. Distribution of Quantities

1. Index Pages

Delete Page Index 3 in its entirety and replace it with revised Page Index 3(R-1) attached to this Addendum No. 2. Items that have been revised are indicated in bold type.

2. Pages 60 & 61

Delete pages 60 and 61 in their entirety and replace them with revised page 60(R-1), new page 60a, and revised page 61(R-1) attached to this Addendum No. 2. The quantities for Item Code 203.0100, Structural Excavation Earth, and Item Code 203.0600, Fill Gravel Borrow Under Structures, have been revised.

3. Page 75

Delete Page 75 in its entirety and replace it with revised Page 75(R-1) attached to this Addendum No. 2. The quantities for Item Code 401.9902, Class 19.0 Hot Mix Asphalt, have been revised.

4. Pages 83 & 84

Delete Pages 83 and 84 in their entirety and replace them with revised Pages 83(R-1) and 84(R-1) attached to this Addendum No. 2. The quantities for Item Code 401.9906, Modified Class 12.5 With Pay Adjustments, have been revised.

D. Drawings/Plans - Change/Addition

1. Volume 1 of 4 – Sheet No. 5 – Job Specific Plan Symbols, Legend & Notes

Revise Sheet No. 5 as shown on Sketch No. 1(R-1) attached to this Addendum No. 2. Job Specific Legend description for BCD1 has been revised and Job Specific General Note No. 6 has been revised.

2. Volume 1 of 4 – Sheet No. 32 – Wall Details-2

Revise Sheet No. 32 as shown on Sketch No. 2(R-1) attached to this Addendum No. 2. The limits of Structural Excavation have been clarified.

3. Volume 1 of 4 – Sheet No. 75 – Drainage Details-5

Revise Sheet No. 75 as shown on Sketch No. 3(R-1) attached to this Addendum No. 2. The sheeting callouts and dimensions have been revised.

4. Volume 1 of 4 – Sheet No. 79 – Drainage Details-9

Revise Sheet No. 79 as shown on Sketch No. 4(R-1) attached to this Addendum No. 2. The callout for the Grouted Splice Sleeve has been revised and the Footing Key dimensions have been added.

5. Volume 1 of 4 – Sheet No. 81 – Drainage Details-11

Revise Sheet No. 81 as shown on Sketch No. 5(R-1) attached to this Addendum No. 2. The Footing Key dimensions have been added.

6. Volume 1 of 4 – Sheet No. 190 – Landscape Details-1

Revise Sheet No. 190 as shown on Sketch No. 6(R-1) attached to this Addendum No. 2. Recessed joints have been eliminated, and Notes 1, 3, & 5 have been revised on RI Standard 10.2.0 MA.

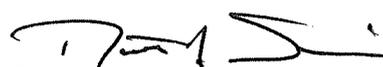
7. Volume 1 of 4 - Sheet No. 190-Landscape Details-1
Revise Sheet No. 190 as shown on Sketch No. 7(R-1) attached to this Addendum No. 2. Recessed joints have been eliminated. Section D-D, and Notes 1,3, & 5 of RI Standard 10.2.0 MB have been revised.
8. Volume 1 of 4 - Sheet No. 190 - Landscape Details-1
Revise Sheet No. 190 as shown on Sketch No. 8(R-1) attached to this Addendum No. 2. Recessed joints have been eliminated and notes 1 & 3 of RI Standard 10.1.0 M have been revised.
9. Volume 2 of 4 – Sheet No. 41 – Cross Section Station 33+00
Revise Sheet No. 41 as shown on Sketch No. 9(R-1) attached to this Addendum No. 2. The elevation and width of the Modular Wall Footing has been revised, and limits of unsuitable material below wall, to be removed, has been clarified.
10. Volume 2 of 4 – Sheet No. 42 – Cross Section Station 33+50
Revise Sheet No. 42 as shown on Sketch No. 10(R-1) attached to this Addendum No. 2. The elevation of the Modular Wall Footing has been revised, and limits of unsuitable material below wall, to be removed, has been clarified.
11. Volume 2 of 4 – Sheet No. 43 – Cross Section Station 34+00
Revise Sheet No. 43 as shown on Sketch No. 11(R-1) attached to this Addendum No. 2. The elevation of the Modular Wall Footing has been revised, and limits of unsuitable material below wall, to be removed, has been clarified.
12. Volume 3 of 4 – Sheet No. 7 – Precast Bridge Details
Revise Sheet No. 7 as shown on Sketch No. 12(R-2) attached to this Addendum No. 2. The Fascia Unit Connectors have been added to the Bridge Plan.
13. Volume 4 of 4 – Sheet No. 8 – Substructure Details-3
Revise Sheet No. 8 as shown on Sketch No. 13(R-1) attached to this Addendum No. 2. The Pipe Jacket material and thickness have been revised.

E. Proposal Addition/Deletion

1. Proposal Pages

Delete Proposal Pages P-1, P-2, and P-73 in their entirety and replace them with revised pages P-1, P-2, and P-73 attached to this Addendum No. 2. The only acceptable bid price for Item Code T12.9906, Mobile Camera Surveillance System has been eliminated.

Federal Highway Administration
Division Administrator



RI Department of Transportation
Chief Engineer

- b. The Contractor shall be responsible for maintaining appropriate construction related signing at all times. Signs not appropriate for lane closures, speed limits or construction activity currently under way at a given time shall be removed or covered to the satisfaction of the Engineer.
- c. The Contractor shall utilize R.I. Standard 26.2.0 barrels and Flexible Delineators when traffic control set-ups are to remain in place beyond normal working hours and when workers are not present. The Contractor shall utilize R.I. Standard 26.1.0 cones when the traffic control set-up is utilized only during working hours and is subsequently broken down at the end of the workday.
- d. The Contractor shall note that work zone time and lane restrictions are listed in the Transportation Management Plan.

11. SPECIAL NOTICE TO THE CONTRACTOR

The contractor shall be responsible for all damage or injury to public or private property resulting from any act, omission, neglect, or misconduct in, of either the Contractor's or subcontractor's manner or method of executing work, or in consequence of the non-execution thereof. Furthermore, the Contractor shall be responsible for all such damage due to defective materials. The Contractor shall restore, at its own expense, such property to a condition equal or better to that existing before such damage or injury was done, by repairing, rebuilding or otherwise restoring as directed by the Engineer.

The contractor should note that under certain storm conditions portions of the abandoned mill area (bounded by Centerville Road to the south, Tollgate Road to the west, the Apponaug River and Hardig Brook to the north and Greenwich Avenue to the east) can periodically flood to varying levels. It is the contractor's responsibility to schedule construction activities and storage of equipment and materials accordingly.

The contractor shall maintain normal Apponaug River flow at all times. It is critical and required that no debris fall into the Apponaug River, the water shall be kept free flowing and unobstructed. If any debris falls into the river the Contractor shall be required to remove it immediately. The contractor shall provide and maintain positive protection of the Apponaug River prior to commencing any construction activity in the mill area. The positive protection shall be placed so as not to allow debris or sediment of any kind from the construction into the river. Failure to comply with these requirements will result in the contractor being subject to the fines found in Code 212.1000.

Except as noted, the Contractor shall not conduct construction activities in, over, or within 15 feet adjacent to the existing Apponaug River until the flow has been diverted to the new relocated Apponaug River Channel. Also, the contractor shall not divert the flow from the existing Apponaug River to the new relocated Apponaug River or drive sheeting at Bridge No. 138 during the fish migration time periods from March 1 through May 31 or from August 15 through November 15 of any calendar year. During these periods the water shall be kept free flowing and unobstructed to fully avoid fish impingement or entrapment, all obstacles which impede fish migration must be removed from the river, and activities that cause turbidity shall be avoided. Additionally, there shall be no pumping of water out of the river during the August 15th through November 15th time periods. Additionally, the diversion of the flow from the existing Apponaug River to the new relocated Apponaug River or construction activities involving soil disturbances within existing watercourses such as the installation of Type 2 silt fence at Bridge No. 138 must be limited to the low flow period between July 1 and October 31 of any calendar

		MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2,3,4,5}									
ROAD	Description	Time of Day		Day of Week							
		From	To	SUN	MON	TUES	WED	THURS	FRI	SAT	
POST ROAD EXTENSION	Post Road Extension	0:00	9:00	2L WB 1L EB							
		9:00	15:00	2L WB 1L EB	1 L	1 L	1 L	1 L	1 L	1 L	
	Post Rd Ext/Vet Mem Dr Phase 1	15:00	24:00	2L WB 1L EB							
		0:00	9:00	1L WB 2L EB							
	Post Rd Ext/Vet Mem Dr Phase 2, 3	9:00	15:00	1L WB 2L EB	1 L	1 L	1 L	1 L	1 L	1 L	
		15:00	24:00	1L WB 2L EB							
	Post Rd Ext/Vet Mem Dr Phase 4	0:00	9:00	2 L							
		9:00	15:00	2 L	1 L	1 L	1 L	1 L	1 L	1 L	
			15:00	24:00	2 L						
	WEST SHORE ROAD	West Shore Road	0:00	6:00	1 L	1L ALT	1 L				
			6:00	21:00	1 L						
		All Construction Phases	21:00	24:00	1L ALT	1L ALT	1L ALT	1L ALT	1L ALT	1 L	1 L
SIDE STREETS	Side Streets	0:00	6:00	ALL							
		6:00	18:00	ALL	1L ALT	1L ALT	1L ALT	1L ALT	1L ALT	1L ALT	
		18:00	24:00	ALL							
	Diamond Hill Road	0:00	6:00	ALL	ALL	1 L	1 L	1 L	1 L	ALL	
		6:00	15:00	ALL	1 L	1 L	1 L	1 L	1 L	ALL	
		15:00	19:00	ALL							
		19:00	24:00	ALL	1 L	1 L	1 L	1 L	ALL	ALL	
	BRIDGE No. 138	Centerville Road	ROAD WORK RESTRICTED TO OPENING OF VETERAN'S MEMORIAL DRIVE EXTENSION TO TWO-WAY TRAFFIC								
			0:00	6:00	CLOSED ⁶						
		BRIDGE No. 138	6:00	21:00	CLOSED ⁶						
21:00			24:00	CLOSED ⁶							

LEGEND

ALL	All travel lanes and shoulders shall remain open to traffic.
1 L	A minimum of one 11-foot wide travel lane in each direction shall remain open to traffic.
2L	A minimum of two 11-foot wide travel lanes in each direction shall remain open to traffic.
xL Dir yL Dir	A minimum of x 11-foot wide travel lane(s) in direction X and a minimum of y 11-foot wide travel lane(s) in direction Y shall remain open to traffic.
1L (dir)	A minimum of one 11-foot wide travel lane (direction) shall remain open to traffic.
2L (dir)	A minimum of two 11-foot wide travel lanes (direction) shall remain open to traffic.
1 L ALT	A minimum of one 10-foot wide travel lane shall remain open to alternating traffic.
CLOSED	Full Road Closure.

* Dimensions are typical. Sequence of Construction plans may show larger lane width requirements.

NOTES

- 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.
- 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.
- 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.
- 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.
- At locations where the sidewalk will be blocked by work zone activities, a traffic person shall be used to assist pedestrians thru or around the work zone.
- Centerville Road closed between sewer pump station driveway (approx. STA 406+00) and Veteran's Memorial Drive Extension.

CODE 911.3200
REMOVE AND RESET WET STONE MASONRY WALL

DESCRIPTION: This work consists of repairing/rebuilding sections of mortared stone masonry walls within the City of Warwick's locally zoned Apponaug Village Historic District. Wall repairs are called for in two specific areas on the plans, Station 18+35 Lt and Station 19+80 Lt on Post Road. Additional areas may be designated by the Engineer. If additional wall sections are designated by the Engineer this Special Provision will apply.

MATERIALS:

Stones – Shall consist of the existing stones removed from the wall and additional stones supplied by the Contractor. Supplemental stones used in the exposed faces of the walls shall match the size, shape, color and geological composition of the existing stones and must be approved by the Engineer before being incorporated into the work.

Mortar – Shall conform to subsection M.04.03.5 of the RI Standard Specifications.

CONSTRUCTION METHODS: The work shall be carried out in accordance with Section 939, *Stone Walls in Historic, Scenic and Rural Areas* of the RI Standard Specifications. Therefore, the work shall be carried out by masons with demonstrated proficiency in historic stone masonry construction/restoration practices. Because of the small lengths of wall repairs called for, the walls will not require documentation prior to dismantling. However, the repaired sections are to blend in with the original walls with respect to their finished appearance. The Engineer in consultation with the RIDOT Historic Preservation Specialist will determine whether or not the mortar parging will be reapplied to the repaired areas.

The segments of existing stone masonry wall shall be carefully dismantled by hand and the stones that are suitable for reuse shall be cleaned of all mortar, soil and other deleterious material. The limits of removal will vary from location to location. The extent of removal required to facilitate the intended repair must be approved by the Engineer before the work begins.

The Contractor shall provide additional stone as required to attain the required cross section and shall blend any supplemental stones with the original stones in a manner that provides a finished appearance that matches that of the original wall as closely as possible.

METHOD OF MEASUREMENT: "Remove and Reset Wet Stone Masonry Walls" shall be measured by the number of cubic yards of masonry actually installed in accordance with the Plans and as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantity of "Remove and Reset Wet Stone Masonry Walls," will be paid for at the contract unit price per cubic yard as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment including mortar, supplemental stone, backfilling, protection during curing, and for all other incidental required to finish the work, complete and accepted by the Engineer.

CODE 911.9901
MODIFIED WET STONE MASONRY RETAINING WALL STD. 10.1.0

DESCRIPTION: Work under this item shall consist of providing new sections of wet stone masonry retaining and freestanding walls at locations indicated on the Plans or as directed by the Engineer, all in accordance with the RI Standard Specifications, as modified below and in the contract plans and as directed by the Engineer.

MATERIALS:

Stones: Stones for masonry walls shall conform to the requirements of Section M.14 - Stone for Masonry. The stones for all of the new stone masonry walls shall be granite that is warm toned, tan-gray to tan in color. The shape, color, size distribution and geological composition of the stones for all of the new walls constructed in accordance with this special provision will be uniform and from the same source. The Contractor shall submit stone samples for approval by the Engineer in consultation with the RIDOT Historic Preservation Specialist.

The stones shall range in size from a minimum of approximately 6" thick x 12" wide x 12" deep to a maximum of 14" thick x 30" wide x 24" deep. The stones shall be appropriately shaped and proportioned to facilitate the construction of roughly squared, rubble masonry. The Contractor shall ensure that an adequate supply of the approved stone is available to complete all of the stone masonry work for which it is approved.

Mortar: Mortar shall conform to the requirements Subsection M.04.03.5 – Mortar.

CONSTRUCTION METHODS: The walls are located within the City of Warwick's locally zoned Apponaug Village Historic District. Therefore, The work shall be carried out in accordance with Section 939, *Stone Walls in Historic, Scenic and Rural Areas* of the RI Standard Specifications. Accordingly, the work shall be accomplished by masons with demonstrated proficiency in historic stone masonry construction practices.

Stone wall details 10.1.0 M, 10.2.0 MA and 10.2.0 MB shall be constructed as **roughly squared rubble masonry**. Stones falling within the larger size of the range shall be used in the footings, as tie stones and to secure the cast aluminum lettering, all as approved by the Engineer. Stones shall generally decrease in size from the bottom up. Refer to the applicable_Landscape Detail plan sheet(s).

The Masonry Contractor shall take note of the **Wall Mounted Lettering** that is to be installed on the faces of the walls at the four (4) new roundabouts. The mason shall anticipate and plan the placement of stones such that the mounting of the letters is accommodated within suitable stones that can be drilled without cracking. The inclusion/positioning of suitable stones for the purpose of attaching the lettering shall be accomplished without altering the designed appearance of the walls (i.e. it is not the intention of this work to have a band or concentration of large stones in the walls but rather, to achieve suitable anchorage for the letters by the thoughtful placement of various sizes of stones).

METHOD OF MEASUREMENT: “MODIFIED WET STONE MASONRY RETAINING WALL STD. 10.1.0” will be measured by the number of cubic yards of masonry actually installed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantity of “MODIFIED WET STONE MASONRY RETAINING WALL STD. 10.1.0” will be paid for at the contract unit price per cubic yard as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials, and equipment, including mortar, stone, protection during curing, weep holes, and for all other incidentals required to finish the work, complete in place and accepted by the Engineer.

Excavation below the designated slope or subgrade line will be paid for in accordance with the applicable requirements of Section 203 - Structure Excavation and Backfill.

Payment for the work associated with mounting the cast aluminum lettering will be made under Item Code 998.9901.

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Estimate Name - Addendum No. 2

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FAP Nos: 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S103	202.9914	CONTAMINATED SOIL EXCAVATION	CY			
		TYPE 1A				
		VETERANS MEMORIAL DR. EXT		1,890.00	0021	03
		TYPE 1B				
		AOC-11		120.00	0021	03
		AOC-13		120.00	0021	03
		VETERANS MEMORIAL DR.EXT		159.00	0021	03
		TYPE 2				
		AOC-10		40.00	0021	03
		AOC-11		1,226.00	0021	03
		AOC-12		636.00	0021	03
		AOC-8		1,350.00	0021	03
		AOC-9		1,058.00	0021	03
		VETERANS MEMORIAL DR EXT		1,900.00	0021	03
Item 202.9914 Total:				8,499.00		
S104	202.9916	COAL ASH EXCAVATION, STOCKPILE, AND DISPOSAL	CY			
		FROM EARTHWORK SUMMARY				
		VETERANS MEMORAIL DR		110.00	0003	01
		EXT32+50-33+50 LT				
Item 202.9916 Total:				110.00		
105	203.0100	STRUCTURAL EXCAVATION EARTH	CY			
		BRIDGE 1038				
		BRIDGE 1038		3,000.00	0044	04
		BRIDGE 138				
		BRIDGE 138		500.00	0003	01
		BYPASS SPILLWAY				
		BYPASS SPILLWAY		1,000.00	0044	04
		LGP WALL				
		LGP WALL		400.00	0003	01
		UPPER DAM				

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FAP Nos: 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

<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>
105	203.0100 Cont.	UPPER DAM		500.00	0044	04
Item 203.0100 Total:				5,400.00		

Distribution of Quantities

Project Name - Apponaug Circulator By-Pass

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R.I. Contract No. - 2014-CH-028

FAP Nos: 3RD-PTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
106	203.0600	FILL GRAVEL BORROW UNDER STRUCTURES	CY			
		BRIDGE 138				
		BRIDGE 138		50.00	0003	01
		BYPASS SPILLWAY				
		BYPASS SPILLWAY		170.00	0044	04
		LGP WALL				
		LGP WALL		510.00	0044	04
		UPPER DAM				
		UPPER DAM		60.00	0044	04
		VMDE WALL				
		VMDE WALL		140.00	0044	04
				Item 203.0600 Total:		930.00
107	203.0700	PERVIOUS FILL	CY			
		BRIDGE 1038				
		BRIDGE 1038		4,000.00	0044	04
		BRIDGE 138				
		BRIDGE 138		550.00	0003	01
		BYPASS SPILLWAY				
		BYPASS SPILLWAY		400.00	0044	04
		UPPER DAM				
		UPPER DAM		300.00	0044	04
				Item 203.0700 Total:		5,250.00
108	203.9901	DEWATERING - PROJECT WIDE	LS			
		PROJECT WIDE				
		AS DIRECTED BY THE ENGINEER		0.15	0003	01
		AS DIRECTED BY THE ENGINEER		0.10	0021	03
		(HSIP FUNDING)				
		AS DIRECTED BY THE ENGINEER		0.75	0044	04
		(TIGER FUNDING)				
				Item 203.9901 Total:		1.00

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FAP Nos: 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
137	401.9902 Cont.	POST RD/WEST SHORE RD		130.00	0021	03
		TOLL GATE RD/CENTERVILLE RD		100.00	0003	01
		VMD/POST RD		105.00	0003	01
		TEMPORARY PATCH FOR OTHER AREAS				
		CENTERVILLE RD/POST RD		65.00	0021	03
		TEMPORARY PAVEMENT REPLACEMENT (FULL DEPTH)				
		GREENWICH AVE. (105+00-51+15)		700.00	0003	01
		VETERANS MEMORIAL DR (34+00-47+20)		1,140.00	0003	01
		TEMPORARY PAVEMENT TO MATCH GRADES DURING SEQUENCE PHASING				
		CENTERVILLE RD/ TOLL GATE RD.		70.00	0003	01
		POST RD, EXT/ VETERANS MEM. DR.		40.00	0003	01
		PPONAUG FOUR CORNERS		35.00	0003	01
		VETERANS MEM. DR/ GREENWICH AVE.		60.00	0003	01
		WILLIAMS CORNERS/ POST RD		40.00	0003	01
Item 401.9902 Total:				3,920.00		
138	401.9903	CLASS 9.5 HOT MIX ASPHALT	TON			
		CENTERVILLE ROAD (VILLAGE) - DRIVEWAYS				
		405+53-405+80 RT		4.70	0003	01
		406+33-406+60 RT		2.90	0003	01
		407+37-407+54 LT		3.40	0003	01
		407+37-407+68 RT		6.60	0003	01
		408+38-408+54 RT		4.30	0003	01
		408+78 RT - 102+73 LT (GULF STATION)		34.10	0003	01
		CENTERVILLE ROAD- DRIVEWAYS				
		11+31-11+53 RT		4.20	0044	04

Distribution of Quantities

Project Name - Apponaug Circulator By-Pass

Estimate Name - Addendum No. 2

R.I. Contract No. - 2014-CH-028

FAP Nos: 3RD-PTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
140	401.9906 Cont.	POST ROAD (NORTH)				
		140+00-140+50		35.00	0021	03
		140+50-141+25		57.00	0003	01
		POST ROAD (SOUTH)				
		100+40-103+30		155.00	0021	03
		POST ROAD (VILLAGE)				
		11+07-11+50		13.00	0021	03
		11+50-26+50		667.00	0003	01
		26+50-26+75		12.00	0021	03
		POST ROAD EXT				
		602+00-605+10		330.00	0021	03
		605+10-607+18		230.00	0003	01
		PROSPECT STREET				
		22+40 LT (PR VIL)		6.00	0003	01
		ROUNDAABOUT (FINAL COURSE)				
		CENTERVILLERD/ VET. MEM. DR.		390.00	0044	04
		EXT				
		POST ROAD/ GREENWICH AVE.		160.00	0021	03
		POST ROAD/ WEST SHORE RD		330.00	0021	03
		VET. MEM. DR EXT/ POST ROAD		430.00	0021	03
		VET. MEM. DR. EXT/ VETERANS		415.00	0044	04
		MEM. DR				
		SHIPPEE STREET				
		61+80 LT (PR EAST)		23.00	0003	01
		SPRUCE STREET				
		24+90 LT (PR VIL)		7.00	0003	01
		TEMPORARY PAVEMENT REPLACEMENT				
		(FULL WIDTH)				
		GREENWICH AVE. (105+00-51+15)			0003	01
		VETERANS MEMORIAL DR.			0003	01
		(34+00-17+20)				
		TOLL GATE RD/CENTERVILLE RD				
		RNDBT				

Distribution of Quantities

Project Name - Apponaug Circulator By-Pass

Estimate Name - Addendum No. 2

R.I. Contract No. - 2014-CH-028

FAP Nos: 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
140	401.9906 Cont.	AT ROUNDABOUT		473.00	0044	04
		TOLL GATE ROAD				
		300+00-302+40 LT		153.00	0044	04
		VETERANS MEMORIAL DR				
		36+00-47+20		835.00	0003	01
		47+20-50+00		322.00	0021	03
		VETERANS MEMORIAL DR EXT				
		22+42-33+36		957.00	0044	04
		VMD/POST RD EXT RNDBT				
		AT ROUNDABOUT		525.00	0021	03
		WEST PLEASANT STREET				
		38+00 LT (VMD)		31.00	0003	01
		WEST SHORE RD/POST RD RNDBT				
		AT ROUNDABOUT		355.00	0021	03
		WEST SHORE ROAD				
		64+25-66+50		120.00	0021	03
Item 401.9906 Total:				10,643.00		
141	403.0300	ASPHALT EMULSION TACK COAT	SY			
		FULL-DEPTH PVMT - 1ST APPLICATION				
		FROM ITEM 401.9905		69,800.00	0044	04
		FULL-DEPTH PVMT - 2ND APPLICATION				
		FROM ITEM 401.9906		68,750.00	0044	04
		MICRO-MILLED AREA				
		FROM ITEM 935.0400		450.00	0003	01
		TEMP. PAVEMENT REPLACEMENT				
		GREENWICH AVENUE		2,680.00	0003	01
		VETERANS MEMORIAL DRIVE		4,400.00	0003	01
Item 403.0300 Total:				146,080.00		
142	601.0300	CLASS A PORTLAND CEMENT CONCRETE	CY			

JOB SPECIFIC LEGEND

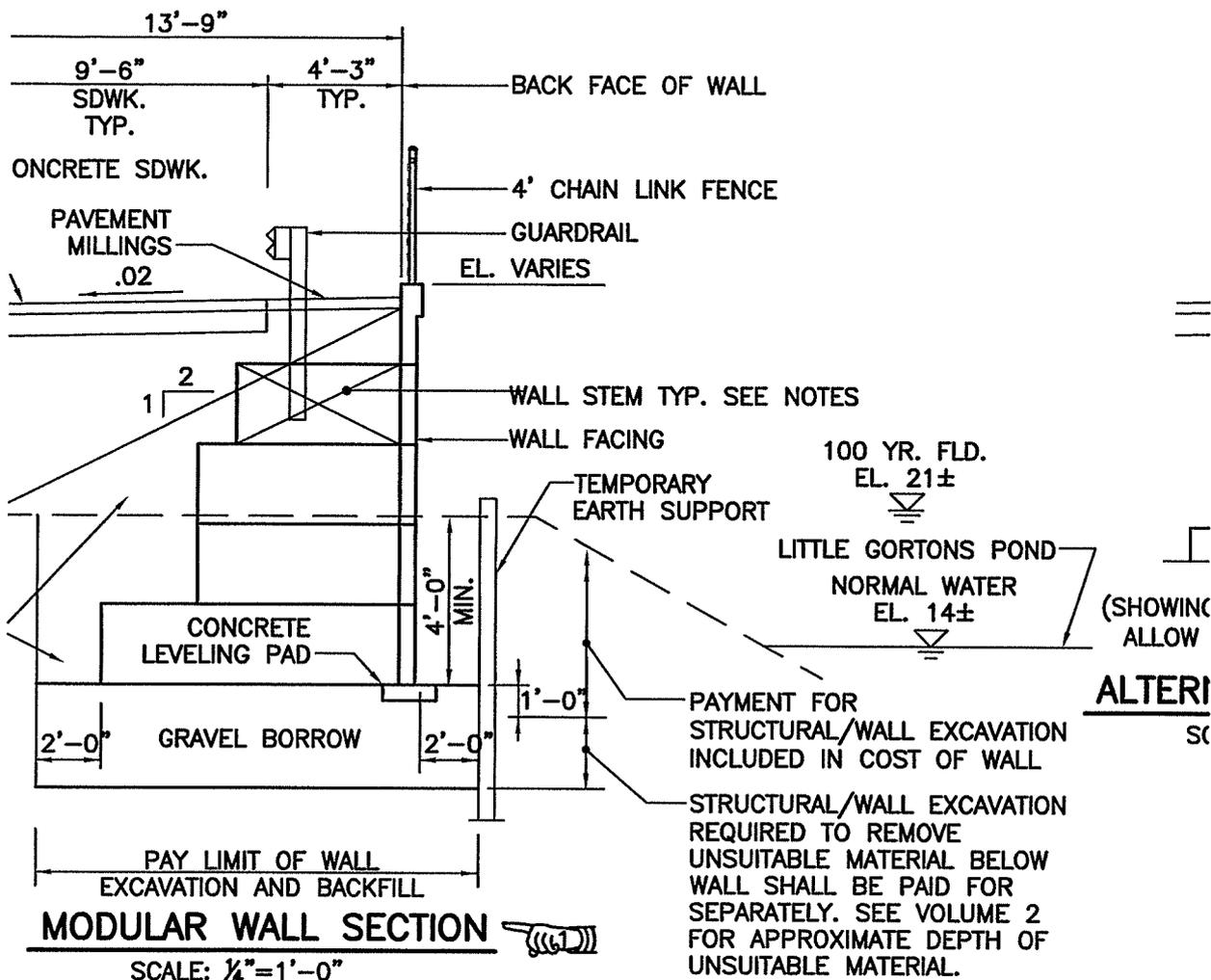
- ACBC
 ARTICULATED CONCRETE BLOCK (CLOSED CELL)
- ACBO
 ARTICULATED CONCRETE BLOCK (OPEN CELL)
- BCD1
 BITUMINOUS CONCRETE DRIVEWAY
 3" BITUMINOUS, CLASS 9.5 HOT MIX ASPHALT
 8" GRAVEL BORROW SUBBASE COURSE
- BLPM
 BIKE LANE PAVEMENT MARKING (SEE SIGNING & STRIPING DETAILS)
- BRPM
 BIKE RAMP PAVEMENT MARKING (SEE SIGNING & STRIPING DETAILS)

JOB SPECIFIC GENERAL NOTES

1. THE CONTRACTOR SHALL LAYOUT AND TIE DOWN THE BASELINE IN 50' STATION INCREMENTS (MAX. INCREMENT). THIS SHALL INCLUDE ALL POINTS OF CURVATURE, TANGENTS, EQUATION STATIONS, TEMPORARY BENCH MARKS, ETC. THE POINTS AND STATIONS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THIS WILL REQUIRE REMARKING, REPAINTING AND TYING DOWN TO OFFSETS AS REQUIRED AND AS CONSTRUCTION DEMANDS TEMPORARY OFFSET LOCATIONS. ONCE INTERMEDIATE AND/OR PERMANENT PAVEMENT COURSES ARE ESTABLISHED STATIONS AND POINTS WILL BE TRANSFERRED BACK TO THE ACTUAL LOCATIONS AND MAINTAINED. BOTH HORIZONTAL AND VERTICAL CONTROL AND ALL STATION MARKINGS ARE FOR THE USE OF THE CONTRACTOR, THE ENGINEER, CONSTRUCTION INSPECTORS, FOREMAN AND SUB-CONTRACTORS.
2. THE CONTRACTOR SHOULD NOTE, THAT UNDER CERTAIN STORM EVENTS PORTIONS OF THE ABANDONED MILL AREA (BOUNDED BY CENTERVILLE ROAD TO THE SOUTH, TOLLGATE ROAD TO THE WEST, THE APPONAUG RIVER AND HARDIG BROOK TO THE NORTH AND GREENWICH AVENUE TO THE EAST) CAN PERIODICALLY FLOOD TO VARYING LEVELS. IT IS THE CONTRACTORS RESPONSIBILITY TO SCHEDULE CONSTRUCTION ACTIVITIES AND STORAGE OF EQUIPMENT AND MATERIALS ACCORDINGLY.
3. REMOVAL AND DISPOSAL OF CONCRETE SLABS ON GRADE SHALL BE PAID FOR UNDER ITEM 201.0420 "REMOVE AND DISPOSE CONCRETE SLAB".
4. REMOVAL AND DISPOSAL OF ALL PORTIONS OF BUILDING REMNANT STRUCTURES, SUCH AS FOUNDATIONS, DESIGNATED FOR REMOVAL IN THIS CONTRACT, OTHER THAN SLABS ON GRADE, SHALL BE PAID FOR UNDER ITEMS 201.0424, 201.9974, 201.9975, & 201.996.
5. ITEMS 201.0424, 201.9974, 201.9975, & 201.996 SHALL INCLUDE ALL MISCELLANEOUS MATERIALS WHICH MAY BE ENCOUNTERED, INCLUDING BUT NOT LIMITED TO CONCRETE, (CMU)CONCRETE MASONRY UNIT, BRICK, STONE, REINFORCING, AND STRUCTURAL STEEL.
6. TEMPORARY PAVEMENT FOR PATCHING SHALL BE 2" OF CLASS 19.0 HOT MIX ASPHALT. FULL DEPTH TEMPORARY PAVEMENT SHALL BE 4" OF CLASS 19.0 HOT MIX ASPHALT (IN TWO 2" LIFTS), ON A GRAVEL BORROW SUBBASE OF A DEPTH SUFFICIENT TO MATCH EXISTING GRADE.
7. THE COST OF TRIMMING AND FINE GRADING FOR CURB INSTALLATION WILL BE INCLUDED IN THE COST OF THE CURB. THE TRIMMING AND FINE GRADING LIMITS SHALL BE A MINIMUM 1'-0" IN FRONT OF AND 1'-0" IN BACK OF THE NEW CURB OR TO A SUFFICIENT DISTANCE IN FRONT AND/OR IN BACK OF THE NEW CURB FOR PROPER CURB INSTALLATION.

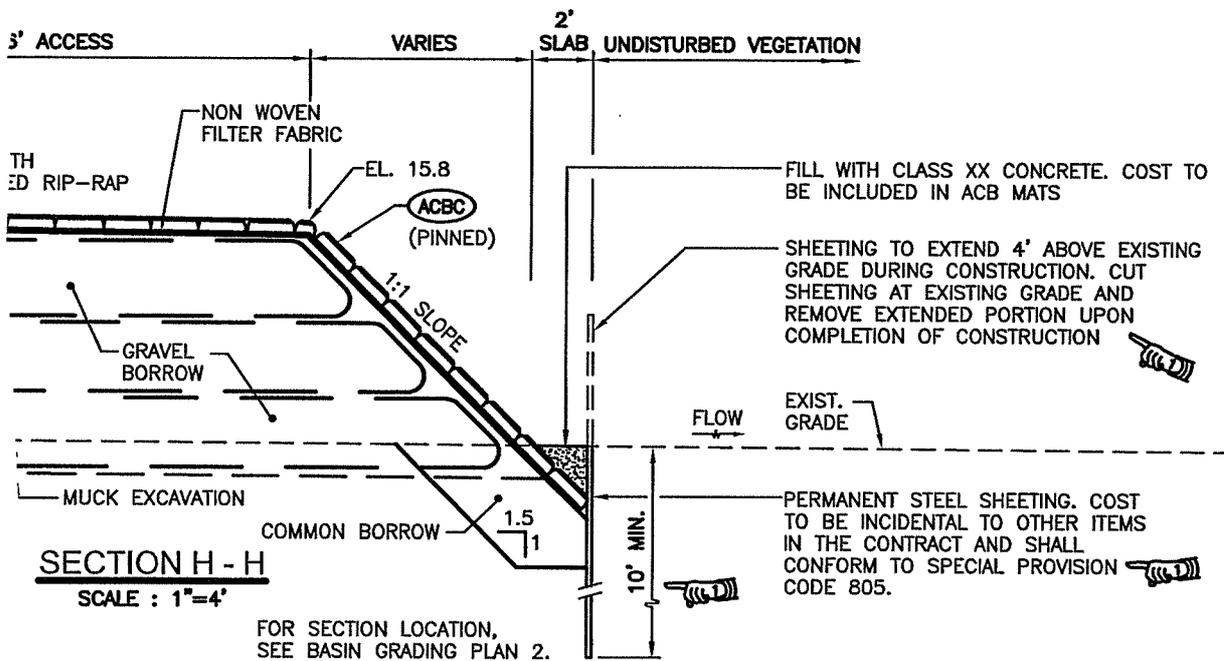
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 Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island	TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS	R.I. CONTRACT NO. 2014-CH-028
	JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES	SKETCH NO. 1
DATE: 4/1/2014	ADDENDUM NUMBER 2	REVISION TO VOL. 1 OF 4 SHEET NO. 5

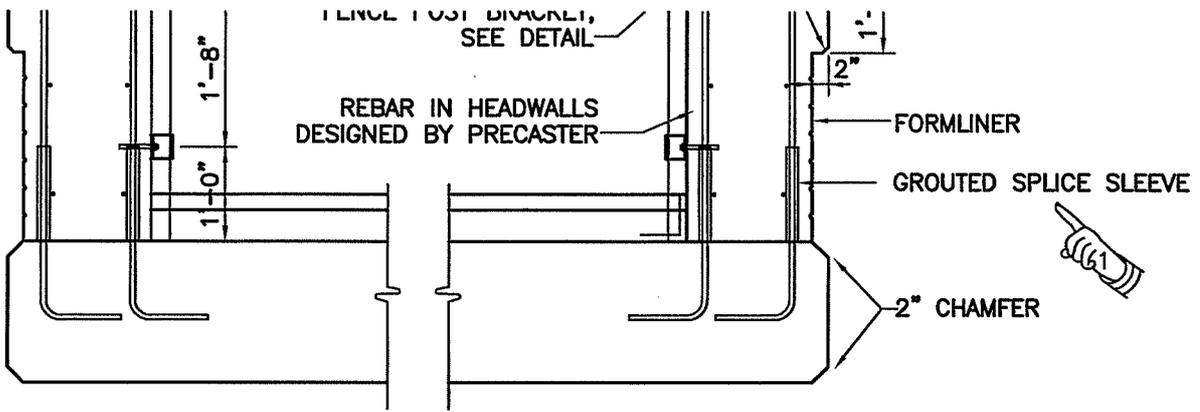


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 Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island	TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS	R.I. CONTRACT NO. 2014-CH-028
	LITTLE GORTONS POND (LGP) WALL DETAILS-2	SKETCH NO. 2
DATE: 4/8/2014	ADDENDUM NUMBER 2	REVISION TO VOL. 1 OF 4 SHEET NO. 32

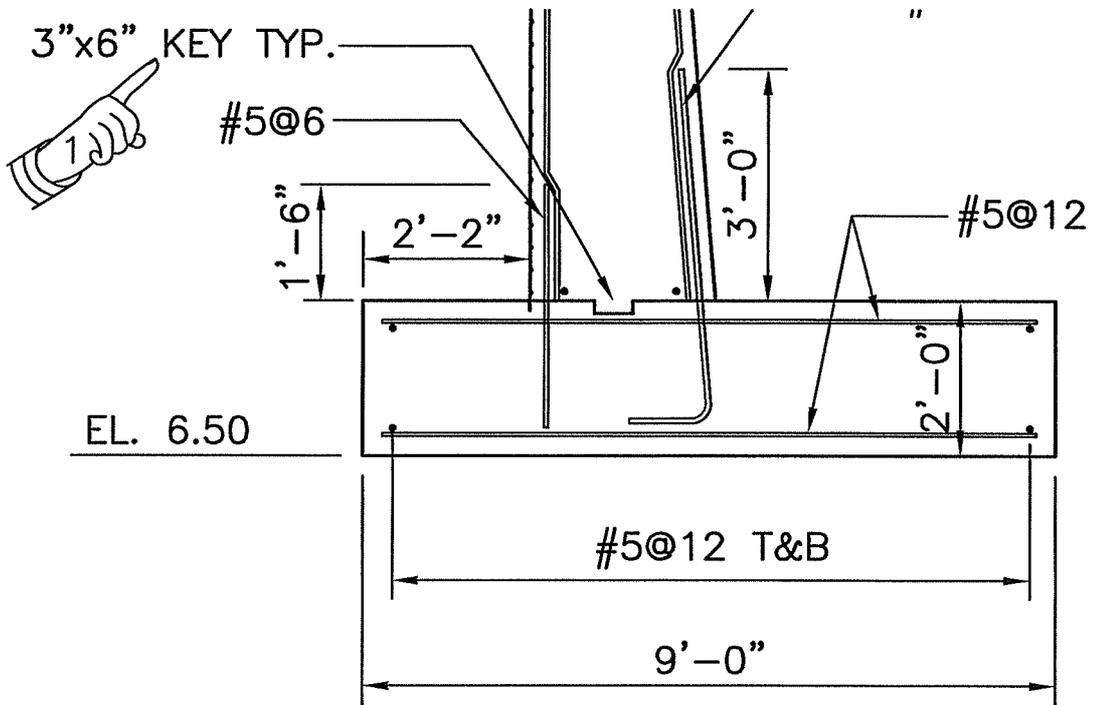


 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH</p> <p>APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO.</p> <p>2014-CH-028</p>
	<p>DRAINAGE DETAILS-5 BASIN SECTIONS</p>	<p>SKETCH NO.</p> <p>3</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 75</p>



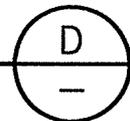
CULVERT HEADWALL DETAIL

SCALE: $\frac{3}{4}$ " = 1'-0"

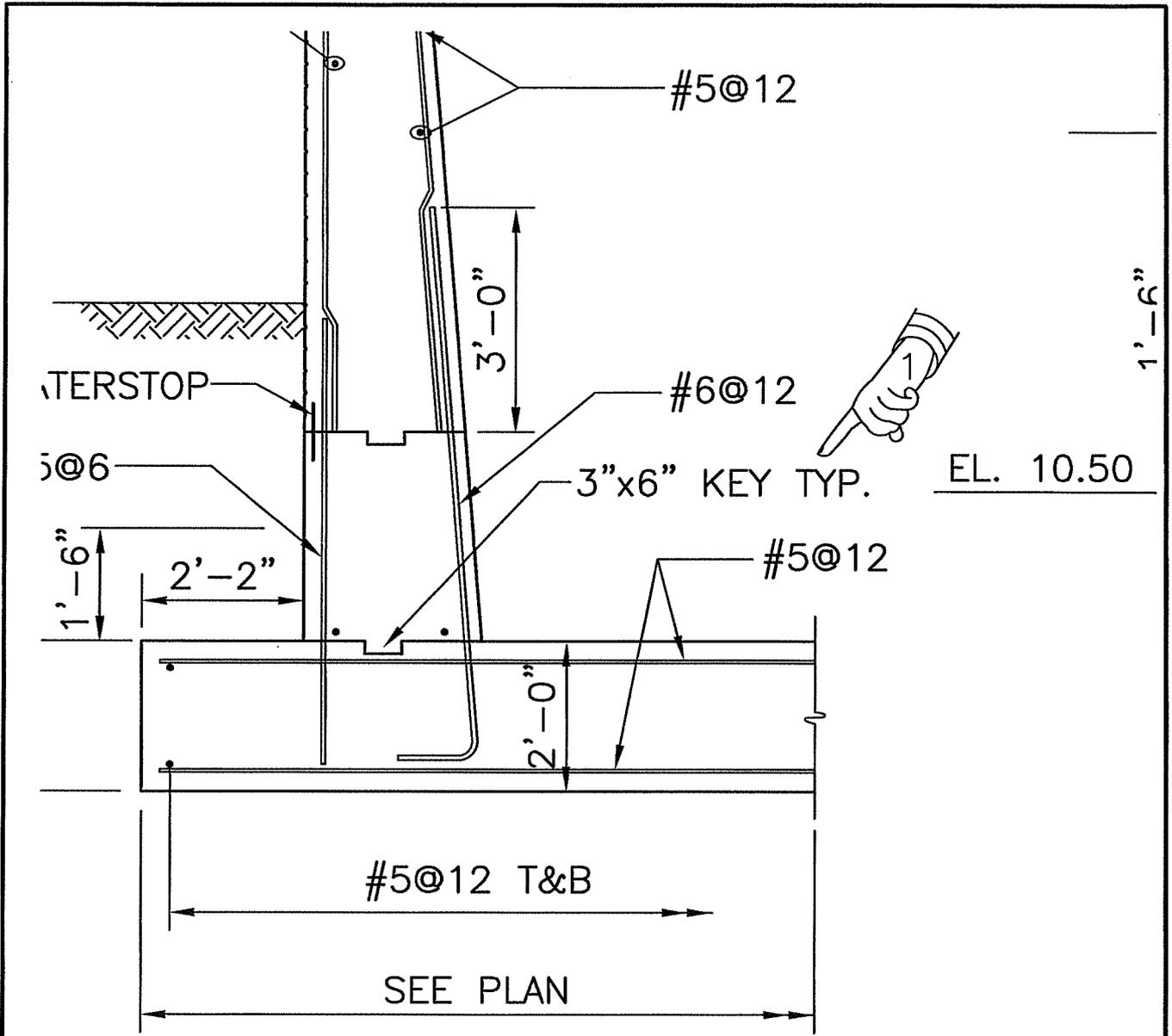


WALL SECTION

SCALE: $\frac{3}{8}$ " = 1'-0"

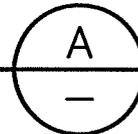


 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
	<p>DRAINAGE DETAILS-9 BY-PASS SPILLWAY STRUCTURE</p>	<p>SKETCH NO. 4</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 79</p>

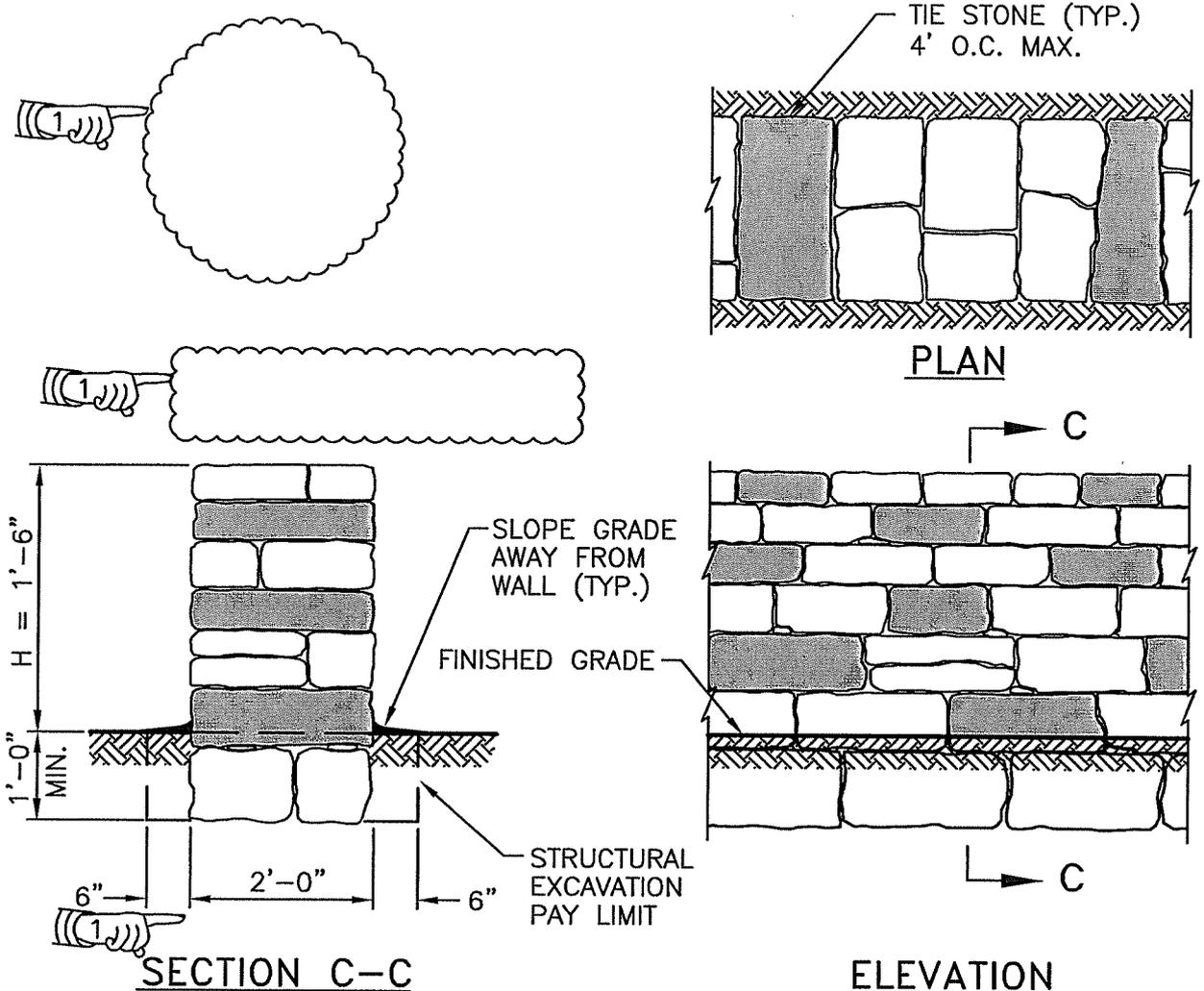


WALL SECTION

SCALE: $\frac{3}{8}'' = 1'-0''$



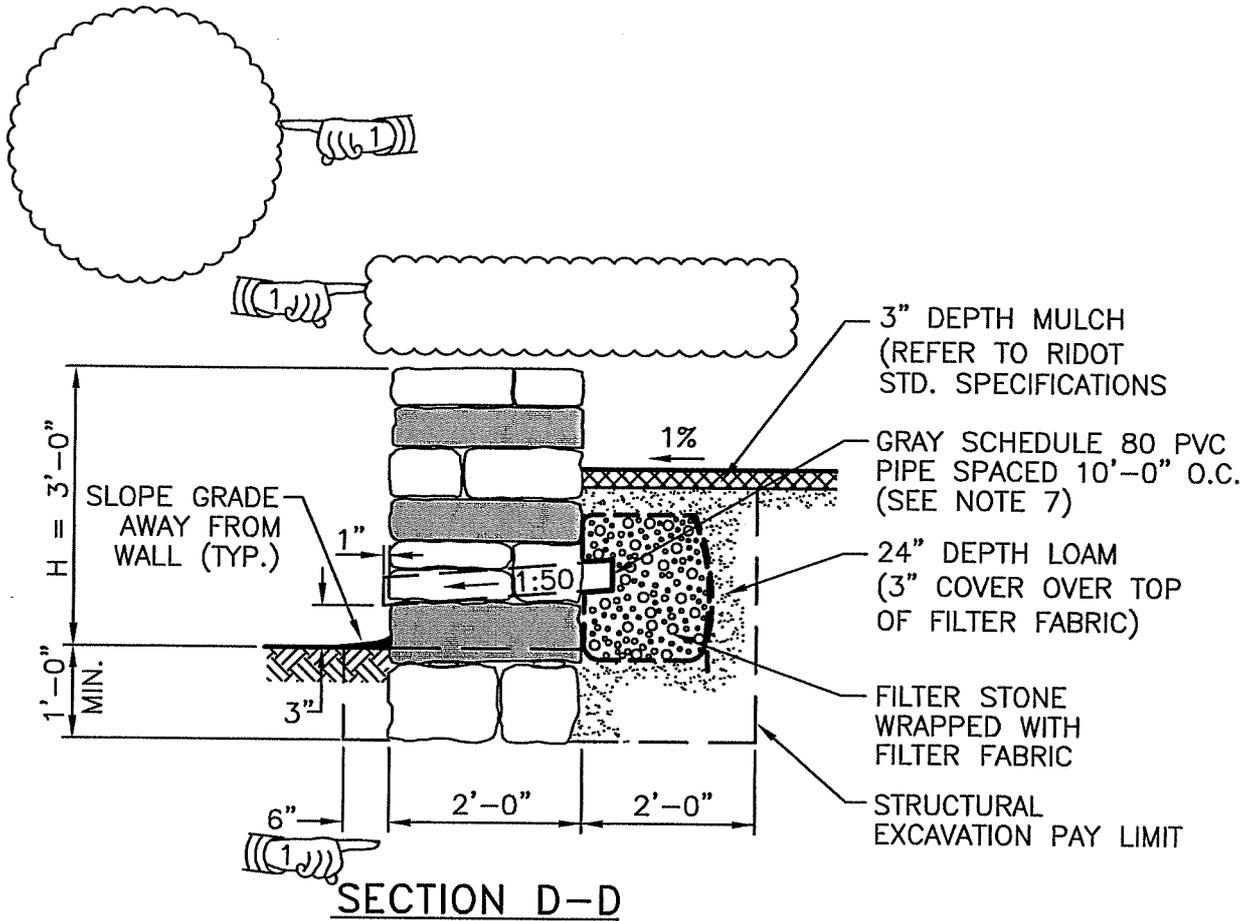
 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
	<p>DRAINAGE DETAILS-11 UPPER DAM STRUCTURE</p>	<p>SKETCH NO. 5</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 81</p>



NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 912 OF THE R.I. STANDARD SPECIFICATIONS AND SECTION 911.9901 OF THE SPECIAL PROVISIONS.
2. JOINTS SHALL NOT EXCEED 1" IN WIDTH.
3. JOINTS ON THE FACE OF WALL SHALL BE POINTED TO THE FACE LINE OF THE WALL.
4. POINTING OF JOINTS ON TOP OF WALL SHALL BE FLUSH AND PITCHED TO DEFLECT WATER OFF OF THE WALL.
5. DRESS 6" BELOW GRADE ON BOTH FACES OF WALL.
6. TIE STONES SHALL BE PLACED A MAXIMUM OF 4'-0" O.C.

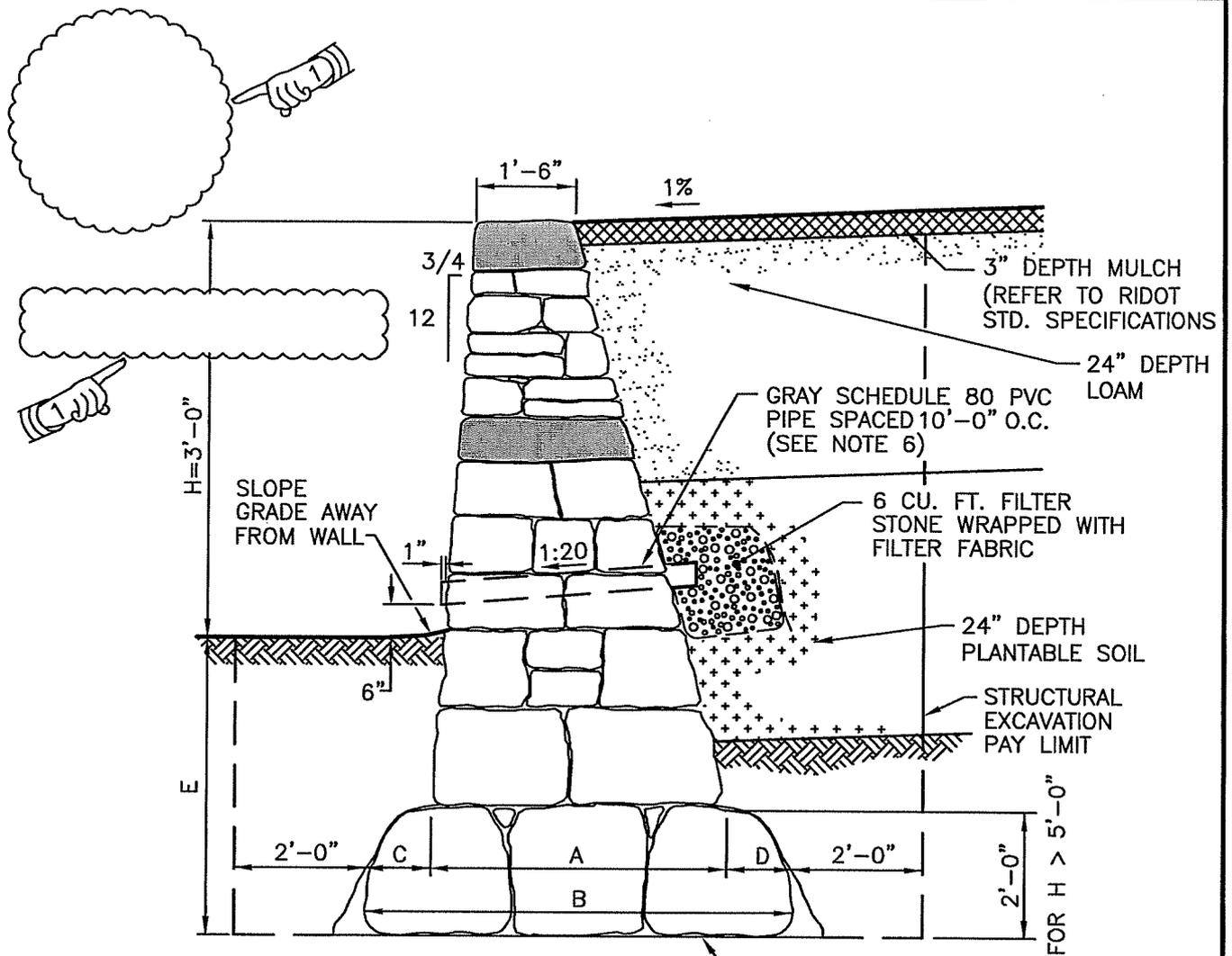
 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
	<p>LANDSCAPE DETAILS - 1 RUBBLE MASONRY WALL - MODIFIED A</p>	<p>SKETCH NO. 6</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 190</p>



NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 912 OF THE R.I. STANDARD SPECIFICATIONS AND SECTION 911.9901 OF THE SPECIAL PROVISIONS. ((1))
2. JOINTS SHALL NOT EXCEED 1" IN WIDTH.
3. JOINTS ON THE FACE OF WALL SHALL BE POINTED TO THE FACE LINE OF THE WALL. ((1))
4. POINTING OF JOINTS ON TOP OF WALL SHALL BE FLUSH AND PITCHED TO DEFLECT WATER OFF OF THE WALL.
5. DRESS 6" BELOW GRADE ON BOTH FACES OF WALL. ((1))
6. TIE STONES SHALL BE PLACED A MAXIMUM OF 4'-0" O.C.
7. WEEP HOLES SHALL BE CONSTRUCTED OF 3" GRAY SCHEDULE 80 PVC PIPE WHEN $H \leq 5'-0"$ AND 4" GRAY SCHEDULE 80 PIPE WHEN $H > 5'-0"$. CONTRACTOR TO ENSURE A WEEP HOLE IS INSTALLED AT LOW POINT BEHIND WALL (STA. 104+15.3± RIGHT). ALL PIPE IS TO BE SOLID.

 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
	<p>LANDSCAPE DETAILS - 1 RUBBLE MASONRY WALL - MODIFIED B</p>	<p>SKETCH NO. 7</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 190</p>

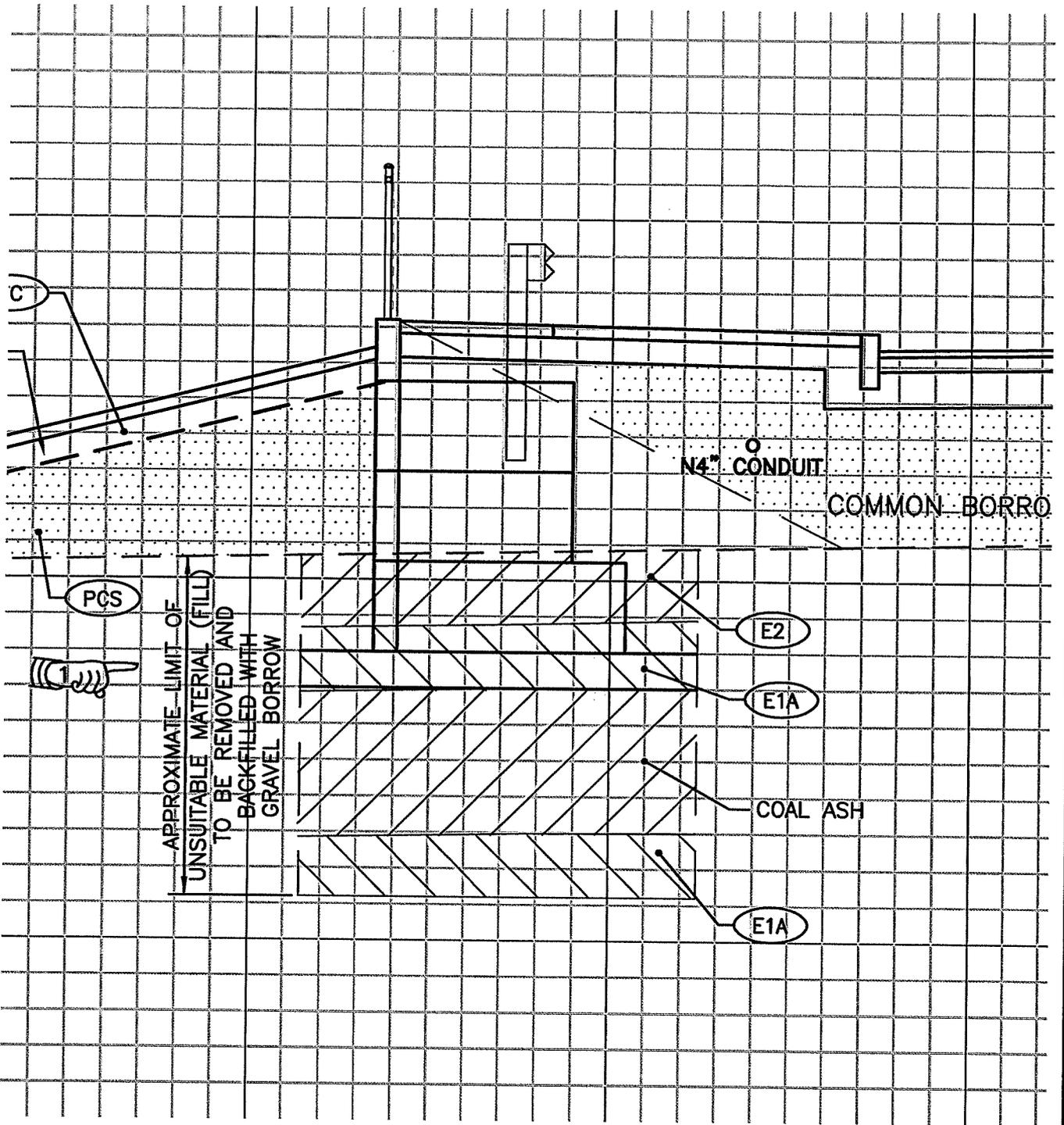


SECTION E-E CONCRETE FOOTING FOR H > 5'-0"

NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 911.9901 OF THE SPECIAL PROVISIONS.
2. JOINTS SHALL NOT EXCEED 1" IN WIDTH.
3. JOINTS ON THE FACE OF WALL SHALL BE POINTED TO THE FACE LINE OF THE WALL.
4. POINTING OF JOINTS ON TOP OF WALL SHALL BE FLUSH AND PITCHED TO DEFLECT WATER OFF OF THE WALL.
5. DRESS 6" BELOW GRADE FOR FRONT FACE OF WALL.
6. WEEP HOLES SHALL BE CONSTRUCTED OF 3" GRAY SCHEDULE 80 PVC PIPE WHEN H < 5'-0", AND 4" GRAY SCHEDULE 80 PVC PIPE WHEN H > 5'-0". ALL PIPE IS TO BE SOLID.
7. TIE STONES SHALL BE PLACED A MAXIMUM OF 4'-0" O.C.

 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
	<p>LANDSCAPE DETAILS - 1 WET STONE MASONRY RETAINING WALL - MODIFIED</p>	<p>SKETCH NO. 8</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 1 OF 4 SHEET NO. 190</p>



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

TITLE OF SKETCH
APPONAUG CIRCULATOR
LONGTERM IMPROVEMENTS

CROSS SECTION
STATION 33+00

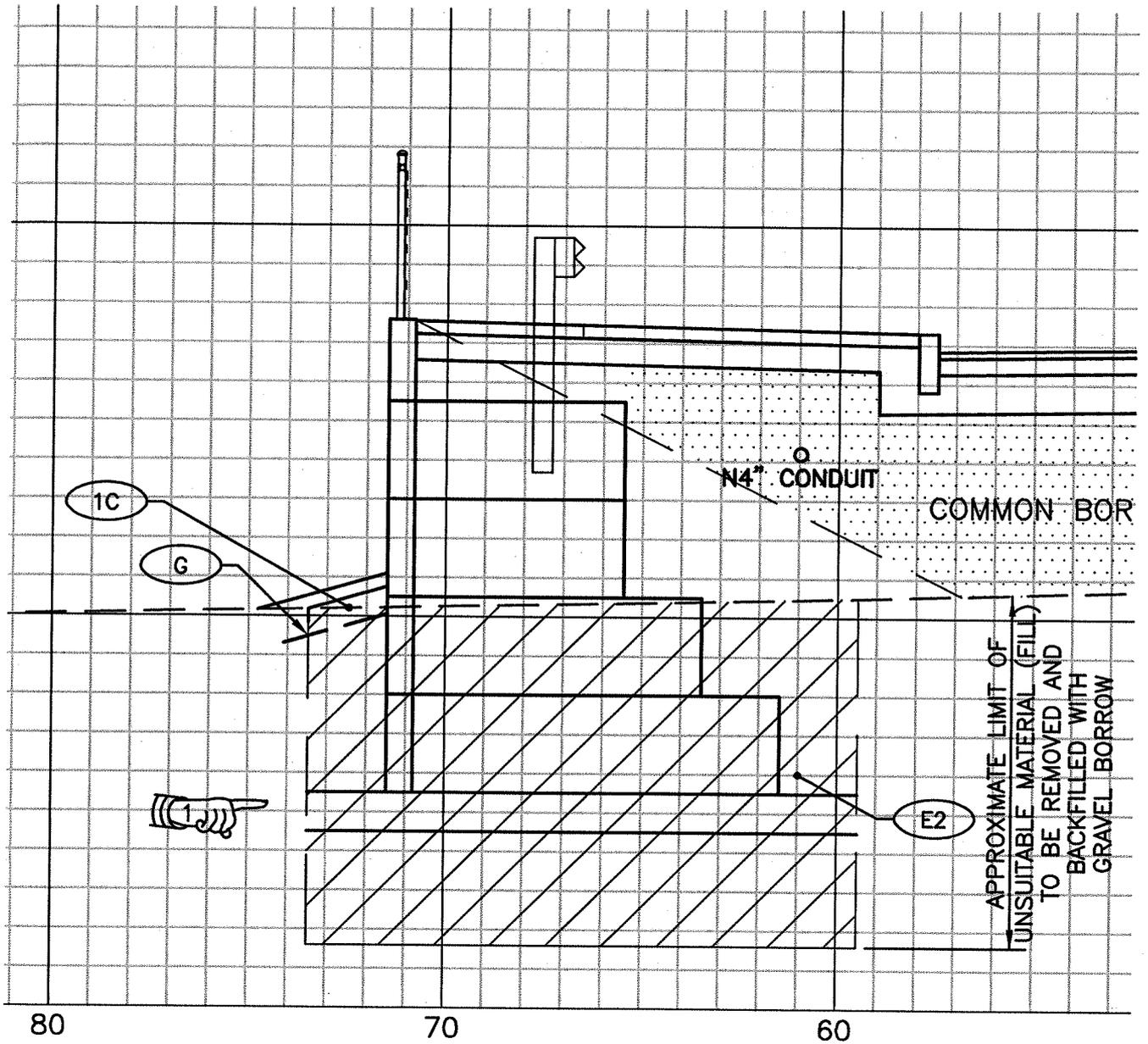
R.I. CONTRACT NO.
2014-CH-028

SKETCH NO.
9

DATE: 4/1/2014

ADDENDUM NUMBER 2

REVISION TO VOL. 2 OF 4
SHEET NO. 41




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

TITLE OF SKETCH
APPONAUG CIRCULATOR
LONGTERM IMPROVEMENTS

R.I. CONTRACT NO.
2014-CH-028

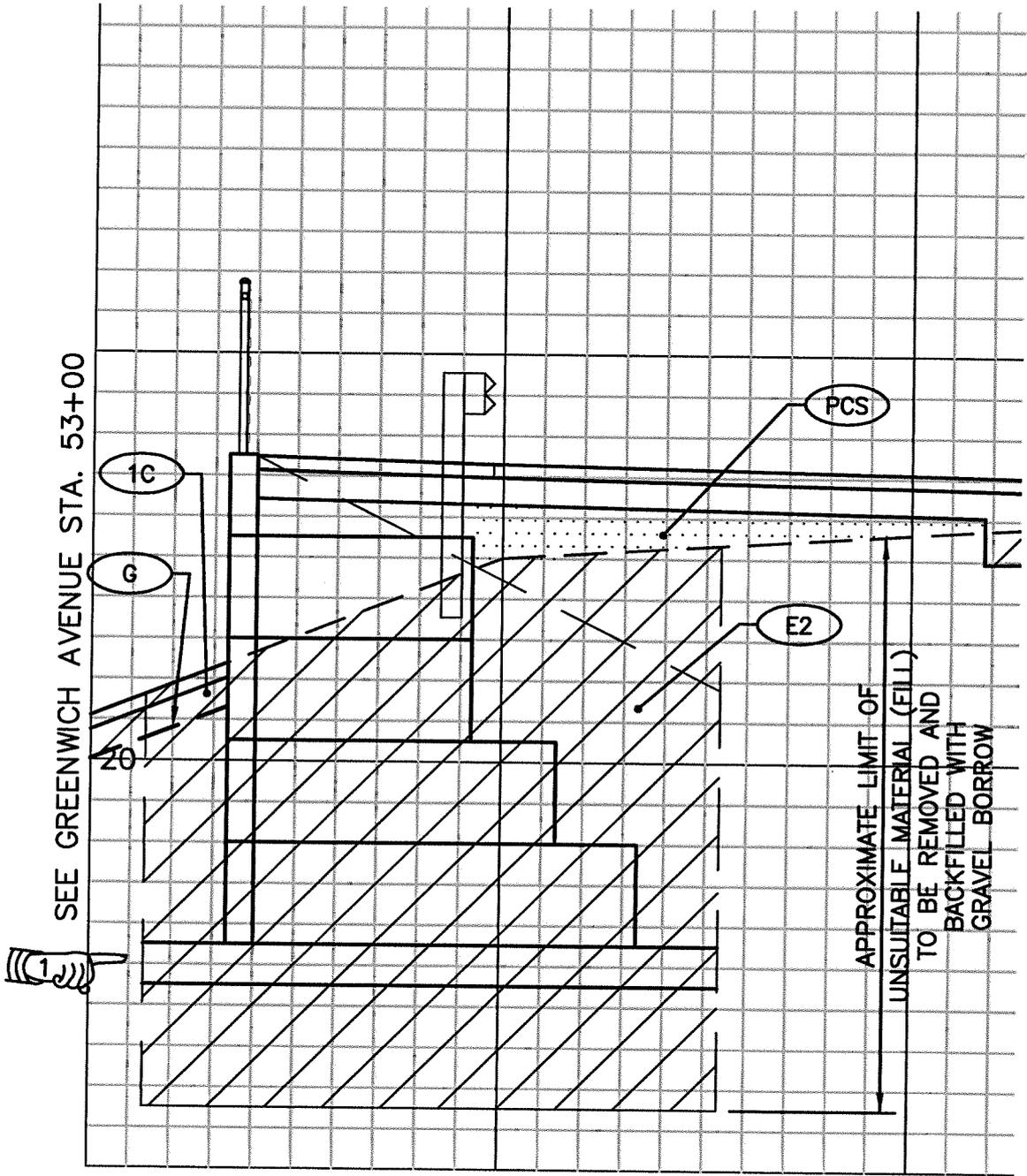
CROSS SECTION
STATION 33+50

SKETCH NO.
10

DATE: 4/1/2014

ADDENDUM NUMBER 2

REVISION TO VOL. 2 OF 4
SHEET NO. 42



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

DATE: 4/1/2014

TITLE OF SKETCH
**APPONAUG CIRCULATOR
LONGTERM IMPROVEMENTS**

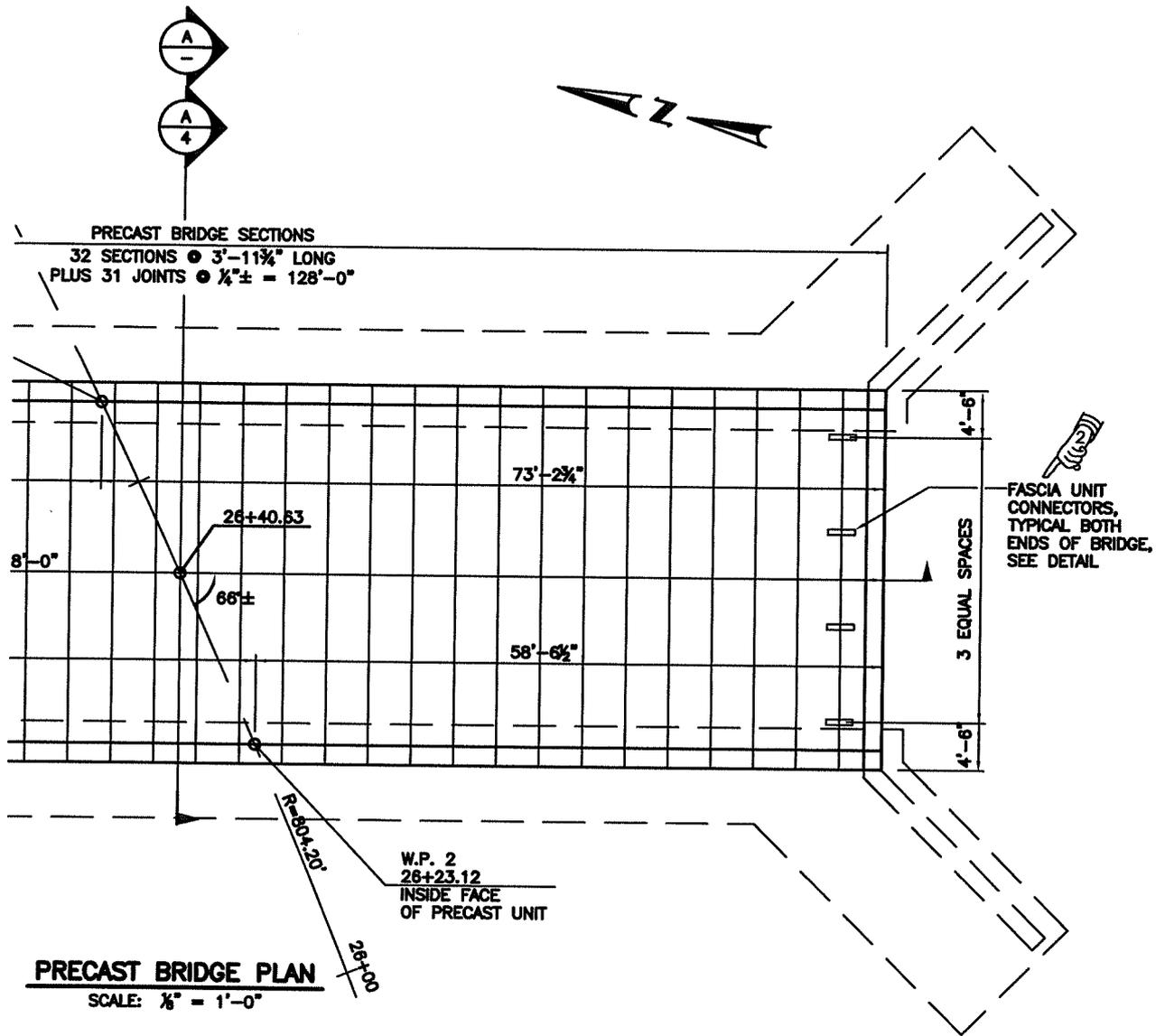
CROSS SECTION
STATION 34+00

ADDENDUM NUMBER 2

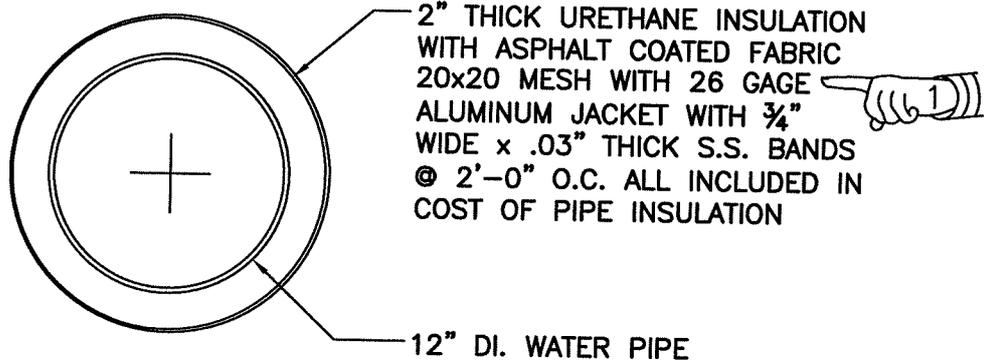
R.I. CONTRACT NO.
2014-CH-028

SKETCH NO.
11

REVISION TO VOL. 2 OF 4
SHEET NO. 43



 Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island	TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS APPONAUG RIVER BRIDGE NO. 1038 PRECAST BRIDGE DETAILS	R.I. CONTRACT NO. 2014-CH-028
		SKETCH NO. 12
DATE: 4/8/2014	ADDENDUM NUMBER 2	REVISION TO VOL. 3 OF 4 SHEET NO. 7



PIPE DETAIL

SCALE: 1½"=1'-0"

 <p>Gordon R. Archibald, Inc. Civil and Environmental Engineers Pawtucket, Rhode Island</p>	<p>TITLE OF SKETCH APPONAUG CIRCULATOR LONGTERM IMPROVEMENTS</p> <p>APPONAUG MILL BRIDGE NO. 138 SUBSTRUCTURE DETAILS-3</p>	<p>R.I. CONTRACT NO. 2014-CH-028</p>
		<p>SKETCH NO. 13</p>
<p>DATE: 4/8/2014</p>	<p>ADDENDUM NUMBER 2</p>	<p>REVISION TO VOL. 4 OF 4 SHEET NO. 8</p>

SPECIAL NOTICE

PROPOSAL

Project Name - Apponaug Circulator By-Pass

Estimate Name - Addendum No. 2

R.I. Contract No. - 2014-CH-028

FAP Nos - 3RD-PTY(221),
NHP-0001(107), NHPG-0001
(108), NHP-TIGR(002)

All items in the Proposal must have a unit bid price in words and figures. All unit bid prices must be extended. Bids will not be accepted if they contain no unit price for an item or if they contain zero in words and figures as the unit price bid.

The minimum acceptable bid price for:

Code 212.2000, CLEANING AND MAINTENANCE OF EROSION CONTROLS is Thirty Five Thousand Dollars And No Cents (\$35,000.00) per LS

Code 907.0100, WATER FOR DUST CONTROL is Fourteen Dollars And Fifty Cents (\$14.50) per MGAL

Code 907.0200, CALCIUM CHLORIDE FOR DUST CONTROL (PROJECT WIDE) is Three Hundred Dollars And No Cents (\$300.00) per TON

Code 914.5010, FLAGPERSONS is Forty One Dollars And Ten Cents (\$41.10) per MHRS

Code 914.5020, FLAGPERSONS - OVERTIME is Fifty One Dollars And Thirty Eight Cents (\$51.38) per MHRS

Code 928.0800, TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD is Six Hundred Twenty Five Dollars And No Cents (\$625.00) per PDAY

Code 937.0200, MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION is Two Hundred Fifty Thousand Dollars And No Cents (\$250,000.00) per LS

Code 943.0200, TRAINEE MAN-HOURS is Six Dollars And No Cents (\$6.00) per MHRS

The only acceptable bid price for:

Code 100.9902, DIESEL EMISSIONS REDUCTION PROGRAM is One Dollar And No Cents (\$1.00) per EACH

Code 105.9901, PARTNERING is One Dollar And No Cents (\$1.00) per EACH

Code 202.9904, DISPOSAL OF CONTAMINATED SOIL, TYPE 1B is Twenty Five Dollars And No Cents (\$25.00) per TON

Code 202.9906, DISPOSAL OF CONTAMINATED SOIL, TYPE 2 is Ninety Dollars And No Cents (\$90.00) per TON

Code 202.9907, LOAD, HAUL AND DISPOSE CONTAMINATED SOIL, TYPE 3 is One Thousand Three Hundred Dollars And No Cents (\$1,300.00) per TON

Code 799.9954, SOIL COMPACTION TESTING OF TRENCHES is Ten Thousand Dollars And No Cents (\$10,000.00) per LS

Code T12.9902, MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL SYSTEM is Ten Thousand Dollars And No Cents (\$10,000.00) per LS

Items preceded with the letter "S" in the proposal are Specialty Items.

Proposal Items

Project Name - Apponaug Circulator By-Pass

Estimate Name - Addendum No. 2

R.I. Contract No. - 2014-CH-028

FAP Nos - 3RD-PRTY(221), NHP-0001(107), NHPG-0001(108), NHP-TIGR(002)

.....
 Note: The UNIT PRICE for each Item must be written in words and figures.

No.	Item Code	Quantity	Description	Unit	Unit Bid Price \$0.00	Amount (PxQ) \$0.00
S491	T12.9150	1.00	METER SOCKET W/MANUAL BY-PASS			
	AT			EACH		
S492	T12.9901	1.00	TEMPORARY TRAFFIC SIGNAL SYSTEM			
	AT			LS		
S493	T12.9902	1.00	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL SYSTEM			
	AT	Ten Thousand Dollars And No Cents		LS	\$10,000.00	\$10,000.00
S494	T12.9903	1.00	TRAFFIC SIGNAL SYSTEM MASTER			
	AT			EACH		
S495	T12.9904	3.00	GROUND MOUNTED CONTROLLER CABINET - RVD STATION			
	AT			EACH		
S496	T12.9905	1.00	TRAFFIC SIGNAL MODIFICATIONS			
	AT			LS		
497	T12.9906	1.00	MOBILE CAMERA SURVEILLANCE SYSTEM			
	AT			LS		