



ADDENDUM #2
ITB NUMBER: 2014043-CMO-B
New City Hall ITB

DATE: April 16, 2014

TO: All Potential Proposers

City of Harrisonburg's New City Hall ITB (2014043-CMO-B), is modified as follows:

GENERAL

This addendum is hereby made part of the contract documents. The following information is being issued to modify, alter, revise or further explain the original drawings and/or specifications for the project, dated 3-31-14. The contents of this addendum shall take precedence over the original documents.

Item No. 2-1 Drawings, Title Sheet TS-1

Refer to the "Table of Contents"

Delete the following drawings listed; "DA Drainage Map" and "FPR Fire Plan Review"

These drawings do not exist.

Item 2-2 Project Manual – Section 07411, Metal Roof Panels

Refer to Section 2.1, Products, paragraph "A", item "a".

Change "24 inch panel width", to now read, "18 inch panel width"

Add also the following clarification. "Provide 90 degree seam on curved portion of the roofing."

Refer to Section 2.3, Materials, paragraph "A", item "1".

Change "22 gauge" to now "24 gauge"

Item 2-3 Project Manual, Section 04860, Stone Veneer Assemblies

Refer to Section 2.1, Stone, Item "B", Pennsylvania Bluestone.

Add the following note. "Stone color shall be Blue-Blue"

Item 2-4 Additional Information

Please see the attached "Additional Test Borings, City Hall" report. These additional borings were taken in the area of proposed new utility trenching work. (See page 5-7 of this addendum.)

Item 2-5 Product substitution approvals:

The following products have been approved as substitutes for the specified products on the project:

- Section 07725, Snow Guards. Product – ColorGard Snow Retention System with SnoClip, model S-5!. Contact: Metal Roof Innovations, 8655 Table Butte Rd., Colorado Springs, CO. Phone no. 888- 825-3432 hlubitz@s-5.com
- Section 05720, Structural Glass Railing System. Product – Struct-U-Rail System as provided by Livers Bronze Company. Contact: Livers Bronze Co., Kansas City, MO. Phone no. 816-300-2828 dan@robertbatesco.com
- Section 04860, Stone Veneer Assemblies. Product – Alverson Limestone (Ashlar Cut), as provided by Greystone Quarries, Boyertown, PA. Classification: Limestone III, high density. Machine split to random ashlar shapes, weathered blue-grey color. Height of 2” to 9”. Length of 6” to 14” (or longer). Contact: Frederick Block, Dick Davies. 540-667-1261, or ddavies@frederickblock.com

Item 2-6 Site Clarifications

1. All storm sewer pipes shall be ADS SaniTite Polypropylene Pipe, or City approved Equivalent. Any pipe deemed equivalent shall adhere to ASTM and ASSHTO specifications as shown on plans.
2. The New City Hall will be served with a 2” water lateral from the proposed 8” main to a 1 ½” meter. A 2” water lateral is to come out of the meter, throated up to a 3”, and carry into the mechanical room of the proposed building. The Engineering Report for Extension of Water & Sewer Mains has been modified to reflect this addendum, see Attached.

Item 2-7 Site Drawing Modifications

1. The Pipe Schedule, under the Storm Drain Table has been revised to reflect appropriate storm sewer pipe, see Sheet 3.
2. Note #28, under General Notes has been updated to reflect the changes in meter and lateral size from main to meter, see Sheet 2. In addition the Water Service Table and Water Lateral Design Table have been revised to reflect the modifications of this addendum, see Sheet 2.

STORM DRAIN TABLE											
STRUCTURE SCHEDULE						PIPE SCHEDULE					
STR#	TYPE	Throat L	TOP ELEV	INV IN	INV OUT	FROM	TO	LENGTH	SIZE	SLOPE	TYPE
1	MH-2	-	1312.20	1309.0 (2) 1308.9 (3)	1308.80	1	X1	193.00	15"	0.90%	N-12 HP
2	DI-1	-	1314.70	-	1312.00	2	1	101.50	12"	3.00%	N-12 HP
3	MH-2	-	1322.50	1318.70	1315.60	3	1	20.00 121.28	12"	2% 5.2%	N-12 HP
4	DI-3B	6'	1324.50	1319.2 (5) 1320.8 (6)	1319.10	4	3	107.50	12"	2.00%	N-12 HP
5	DI-1	***	1323.00	-	1319.20	5	4	24.50	12"	2.00%	N-12 HP
6	DI-3B	18'	1326.00	-	1322.30	6	4	52.00	12"	2.10%	N-12 HP

* LENGTHS OF PIPES AND SLOPES ARE MEASURED FROM CENTER OF STRUCTURES. ACTUAL REQUIRED LENGTHS WILL BE SLIGHTLY LESS THAN LISTED ABOVE.

** IS-1 INLET SHAPING ON ALL STORM DRAIN STRUCTURES

*** ALL DI-1's IN GRASS AREA TO HAVE HARRISONBURG STANDARD CONVEX GRATE INLET PER CITY DCSM 2.3.2.18.

**** ~~ALL PIPE SHALL~~ ADHERE TO ASTM F2736, F2881, AND ASSHTO M330, AND BE ADS N-12 HP POLYPROPYLENE STORM SEWER PIPE, OR CITY APPROVED EQUIVALENT.

FIGURE 1.1

STORM DRAIN TABLE											
STRUCTURE SCHEDULE						PIPE SCHEDULE					
STR#	TYPE	Throat L	TOP ELEV	INV IN	INV OUT	FROM	TO	LENGTH	SIZE	SLOPE	TYPE
1	MH-2	-	1312.20	1309.0 (2) 1308.9 (3)	1308.80	1	X1	193.00	15"	0.90%	SaniTite PP
2	DI-1	-	1314.70	-	1312.00	2	1	101.50	12"	3.00%	SaniTite PP
3	MH-2	-	1322.50	1318.70	1315.80	3	1	20.00 121.28	12"	2.00% 5.20%	SaniTite PP
4	DI-3B	6'	1324.50	1319.2 (5) 1320.8 (6)	1319.10	4	3	107.50	12"	2.00%	SaniTite PP
5	DI-1	*** -	1323.00	-	1319.20	5	4	24.50	12"	2.00%	SaniTite PP
6	DI-3B	18'	1326.00	-	1322.30	6	4	52.00	12"	2.10%	SaniTite PP

* LENGTHS OF PIPES AND SLOPES ARE MEASURED FROM CENTER OF STRUCTURES. ACTUAL REQUIRED LENGTHS WILL BE SLIGHTLY LESS THAN LISTED ABOVE.

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*** ALL DI-1's IN GRASS AREA TO HAVE HARRISONBURG STANDARD CONVEX GRATE INLET PER CITY DCSM 2.3.2.18

**** ALL PIPE SHALL ADHERE TO ASTM F2736, F2881, AND ASSHTO M330, AND BE ADS SaniTite Polypropylene Pipe, OR CITY APPROVED EQUIVALENT.

FIGURE 1.2

28. Water Lateral and Meter: Phase 1: Per City standards the contractor is to install a ~~3"~~ water lateral from main to meter, a 2" water meter per DCSM Drawing 29 on page 43 of Chapter 7; and a 3" lateral (IBC approved material) from meter to building mechanical room. Contractor to construct ~~3"~~ service line from main to meter manhole, the meter manhole, a ~~3"x2" reducer~~, and 2" stub at meter manhole; City forces will construct the service within the meter manhole and provide a 2" stub behind meter manhole - schedule of installation is subject to availability of City crews; contractor to provide 3"x2" increaser and 3" lateral from meter manhole to building. Phase 2: The existing 1" water service to Community Development building shall remain active through Phase 1 of the project. During Phase 2, the existing meter will be abandoned by City forces upon execution of a work authorization agreement.

FIGURE 2.1

28. Water Lateral and Meter: Phase 1: Per City standards the contractor is to install a 2" water lateral from main to meter, a 1 1/2" water meter per DCSM Drawing 29 on page 43 of Chapter 7; and a 3" lateral (IBC approved material) from meter to building mechanical room. Contractor to construct 2" service line from main to meter manhole, the meter manhole, and 2" stub at meter manhole; City forces will construct the service within the meter manhole and provide a 2" stub behind meter manhole - schedule of installation is subject to availability of City crews; contractor to provide 3"x2" increaser and 3" lateral from meter manhole to building. Phase 2: The existing 1" water service to Community Development building shall remain active through Phase 1 of the project. During Phase 2, the existing meter will be abandoned by City forces upon execution of a work authorization agreement.

FIGURE 2.2

Water Lateral Design Table

Harrisonburg New City Hall

Design flow rate	Service line size	Service line length main to meter	Meter size	Service layout type	Static Pressure at meter	Residual Pressure at meter	Service line size	Service line length meter to bldg	Static Pressure at fixture	Residual Pressure at fixture
(gpm)	(in)	(ft)	(in)		(psi)	(psi)	(in)	(ft)	(psi)	(psi)
70.0	3	7.92	2	-	100.2	93.2	3	57.85	81.1	74.1

FIGURE 2.3

Water Lateral Design Table

Harrisonburg New City Hall

Design flow rate	Service line size	Service line length main to meter	Meter size	Service layout type	Static Pressure at meter	Residual Pressure at meter	Service line size	Service line length meter to bldg	Static Pressure at fixture	Residual Pressure at fixture
(gpm)	(in)	(ft)	(in)		(psi)	(psi)	(in)	(ft)	(psi)	(psi)
70.0	2	7.92	1 1/2	-	100.2	89.8	3	57.85	81.1	70.7

FIGURE 2.4

By signing this addendum, you are acknowledging receipt of all of the drawings and plans, in addition to the attached "Test Borings".

All other requirements, terms and conditions of the ITB remain unchanged.

Addendum page must be signed and returned with your proposal to acknowledge receipt of this addendum.

Authorized Signature

By: Pat Hilliard, CPPB
Purchasing Agent



FROEHLING & ROBERTSON, INC.

Engineering Stability Since 1881

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F&R Project No. 71R3003

April 11, 2014

City of Harrisonburg
320 East Mosby Road
Harrisonburg, Virginia 22801

Attn: Mr. Thomas Hartman, PE, LEED AP

Subject: Addendum No. 1 to Report of Geotechnical Study
Harrisonburg Municipal Building
Harrisonburg, Virginia

Dear Mr. Hartman:

This letter is issued as Addendum No. 1 to F&R’s Report of Geotechnical Study for the project stated above dated October 16, 2013, to provide the auger probe boring depth results. Unless noted otherwise herein, the recommendations given in F&R’s original geotechnical report are still considered applicable.

We understand that as a part of the Harrisonburg Municipal Building project new underground utilities are planned within the southern portion of the existing drive lane which connects South Main Street and South Liberty Street. F&R was requested to perform three auger probe borings at the locations indicated on the attached boring location plan to a depth of 10 feet or until encountering auger refusal materials. No sampling or SPT testing was conducted. Borings B-101 and B-103 encountered auger refusal at depths of 4.5 feet and 3 feet below existing grade, respectively. Boring B-102 was advanced the full planned probe death of 10 feet. Results are also summarized in the table below.

Boring No.	Auger Refusal Depth
B-101	4.5 ft
B-102	--
B-103	3 ft



We appreciate the opportunity to work with you on this project. Please contact us if you have any questions or comments.

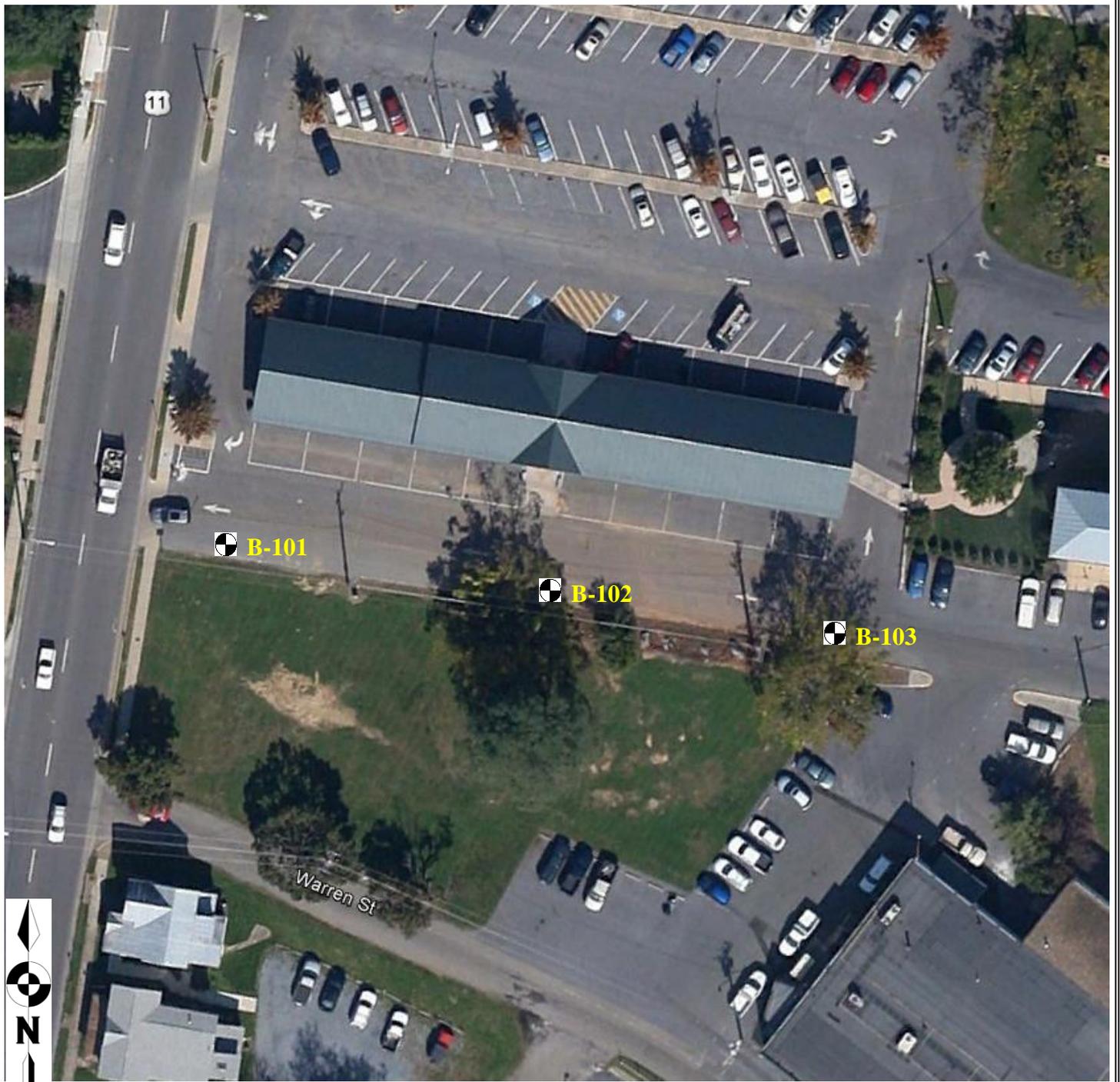
FROEHLING & ROBERTSON, INC.

A handwritten signature in black ink, appearing to read 'B. Quirk', written over a horizontal line.

Brendan L. Quirk, P.E.
Geotechnical Engineer

Attachment: Boring Location Plan

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Boring Location Plan

Client: City of Harrisonburg

Project: Harrisonburg Municipal Building

F&R Project No. 71R3003

Date: April, 2013

Scale: none

Drawing No.: 1