

**PCO #2 Water Line Work
required by the City of Savannah**

Narrative

In the original discussions with the City of Savannah, we requested and were given approval to tie into the existing 6" Transite (asbestos) water line. They have since changed their position and are now requiring that a new line be run and the existing line be abandoned.

The new work consists of the following:

- Design, several meetings and submissions to the City of Savannah by the civil engineer (Coleman Company). Hughes Group Architects is responsible for verification, coordination and issuance of drawings.
- Approximately 311 lf of new C900 water main tied into the new line run by the City of Savannah.
- Remove and dispose of 10 lf of Transite (asbestos) pipe.
- Flowable fill approximately 674 lf of the existing Transite pipe.
- Abandon and fill one (1) water manhole
- Test and chlorinate the new water line.

** We are using flowable fill for the abandoned line because removal and disposal of 674 lf of Transite (asbestos) pipe is substantially more expensive. Note that 10 lf is \$6,850.00.

Due to the City's change in position as it relates to the tie-in to the existing Transite pipe, this is an unforeseeable condition and a change in scope.

Service Center East
 OLD SAVANNAH AIRPORT TERMINAL

Gulfstream

A GENERAL DYNAMICS COMPANY

SAVANNAH, GA
 PROJ. NO. 1512

SEAL

FOR CONSTRUCTION

KEY PLAN

REVISIONS

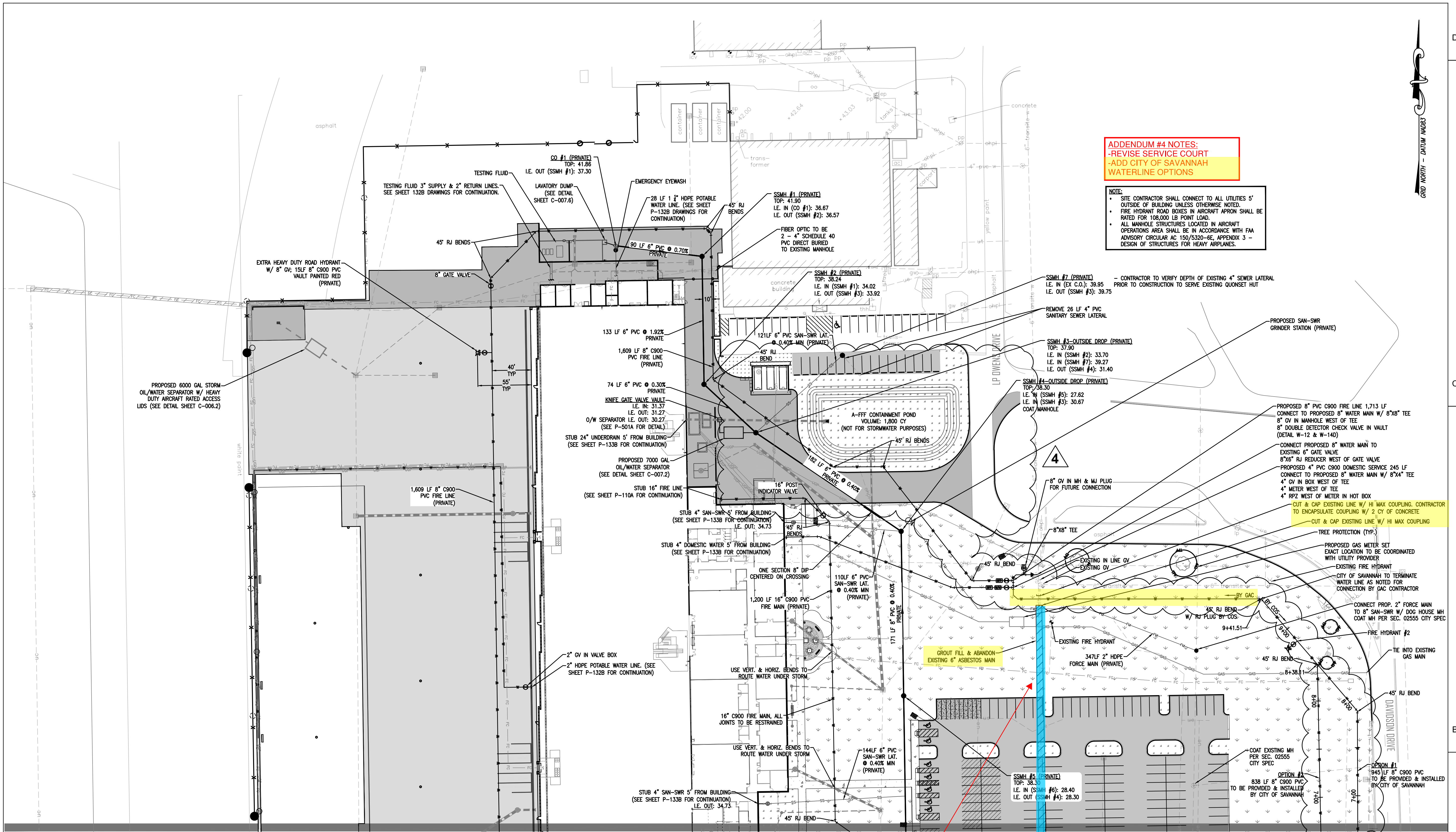
MARK	DATE	ISSUE
1	2/23/2018	ADDENDUM #1
2	2/27/2018	ADDENDUM #2
3	3/13/2018	ADDENDUM #3
4	3/22/2018	ADDENDUM #4

ISSUANCES

DATE	ISSUANCE
2/13/2018	SITE BID SET

UTILITY PLAN

C-004.1



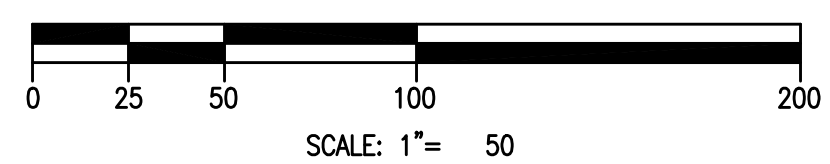
ADDENDUM #4 NOTES:
 -REVISE SERVICE COURT
 -ADD CITY OF SAVANNAH
 WATERLINE OPTIONS

NOTE:
 • SITE CONTRACTOR SHALL CONNECT TO ALL UTILITIES 5' OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED.
 • FIRE HYDRANT ROAD BOXES IN AIRCRAFT APRON SHALL BE RATED FOR 108,000 LB POINT LOAD.
 • ALL MANHOLE STRUCTURES LOCATED IN AIRCRAFT OPERATIONS AREA SHALL BE IN ACCORDANCE WITH FM ADVISORY CIRCULAR AC 150/5330-BE, APPENDIX 3 - DESIGN OF STRUCTURES FOR HEAVY AIRPLANES.

- CONTRACTOR TO VERIFY DEPTH OF EXISTING 4" SEWER LATERAL PRIOR TO CONSTRUCTION TO SERVE EXISTING QUONSET HUT

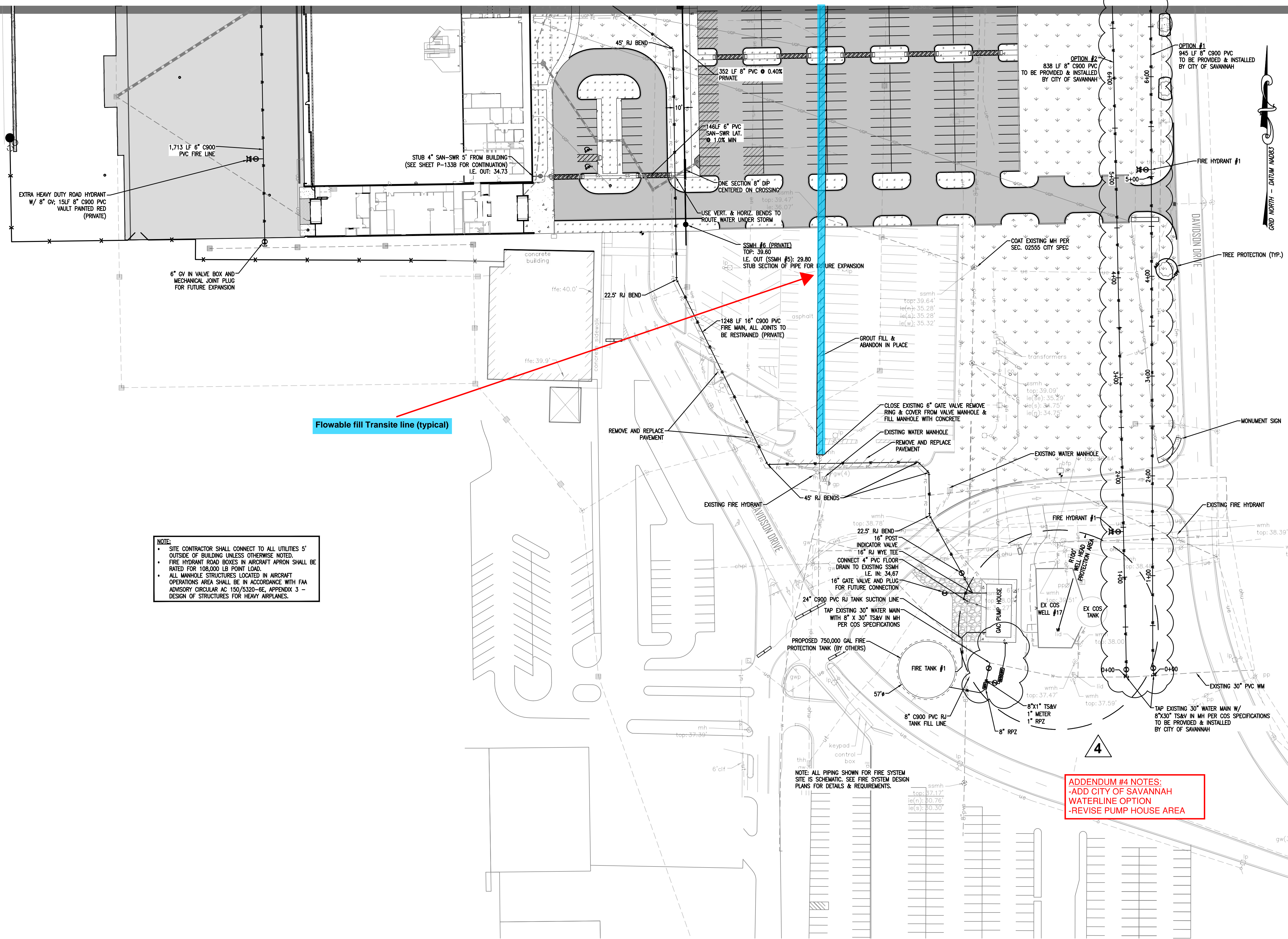
PROPOSED 8" PVC C900 FIRE LINE 1,713 LF
 CONNECT TO PROPOSED 8" WATER MAIN W/ 8"x8" TEE
 8" GV IN MANHOLE WEST OF TEE
 8" DOUBLE DETECTOR CHECK VALVE IN VAULT (DETAIL W-12 & W-14D)
 CONNECT PROPOSED 8" WATER MAIN TO EXISTING 6" GATE VALVE
 8"x6" RJ REDUCER WEST OF GATE VALVE
 PROPOSED 4" PVC C900 DOMESTIC SERVICE 245 LF
 CONNECT TO PROPOSED 8" WATER MAIN W/ 8"x4" TEE
 4" GV IN BOX WEST OF TEE
 4" METER WEST OF TEE
 4" RPZ WEST OF METER IN HOT BOX
 CUT & CAP EXISTING LINE W/ H MAX COUPLING, CONTRACTOR TO ENCAPSULATE COUPLING W/ 2 CY OF CONCRETE
 CUT & CAP EXISTING LINE W/ H MAX COUPLING

Flowable fill Transit line (typical) continuation next sheet



NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION
 DATE: _____ BY: _____

MATCHLINE - SEE SHEET C-004.1



NOTE:

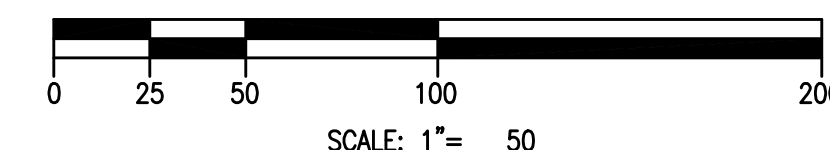
- SITE CONTRACTOR SHALL CONNECT TO ALL UTILITIES 5' OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED.
- FIRE HYDRANT ROAD BOXES IN AIRCRAFT APRON SHALL BE RATED FOR 108,000 LB POINT LOAD.
- ALL MANHOLE STRUCTURES LOCATED IN AIRCRAFT OPERATIONS AREA SHALL BE IN ACCORDANCE WITH FAA ADVISORY CIRCULAR AC 150/5320-6E, APPENDIX 3 - DESIGN OF STRUCTURES FOR HEAVY AIRPLANES.

NOTE: ALL PIPING SHOWN FOR FIRE SYSTEM SITE IS SCHEMATIC. SEE FIRE SYSTEM DESIGN PLANS FOR DETAILS & REQUIREMENTS.

ADDENDUM #4 NOTES:
 -ADD CITY OF SAVANNAH WATERLINE OPTION
 -REVISE PUMP HOUSE AREA



Know what's below.
Call before you dig.



NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION
 DATE: _____ BY: _____



COLEMAN COMPANY, INC.
 ENGINEERS & SURVEYORS
 17 PARK OF COMMERCE | SUITE 201
 SAVANNAH, GA 31405
 (D) 912.200.3041 | (F) 912.200.3056

Service Center East
 OLD SAVANNAH AIRPORT TERMINAL

Gulfstream
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UTILITY PLAN

C-004.2



July 18, 2018

Mr. Curtis Rakosi
Vice President
EE Reed Construction, LP
7505 Waters Avenue, Suite B8
Savannah, GA 31406

**RE: Gulfstream Service Center East
City Water Main Additional Services Request**

Dear Curtis:

Our Civil Engineer, Coleman Company Inc., has incurred Additional Services due to the additional engineering required for the replacement of the existing City of Savannah asbestos water main. This included negotiating with the City to reach an agreement where the city would participate in the installation and cost for a portion of the water main, revised plans, revised models, meetings, additional submittals, review and coordination. Attached is Coleman's hourly invoice dated June 30, 2018 which itemizes those requests. Below is the request for your consideration:

- **Replacement of Water Main Service:**
 - HG Architects
 - Coleman Company, Inc.
- | | |
|--------------|----------------|
| Sub Total | \$ 750 |
| Sub Total | \$6,665 |
| Total | \$7,415 |

We look forward to continuing this project with you; please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Amado Fernandez'.

Amado Fernandez, AIA
Principal

cc: Jeff White
April Bethune



Hughes Group Architects
 22630 Davis Dr., Suite 175
 Sterling, VA 20164

Invoice number 83748
 Date 07/14/2018

Project **15-271 Gulfstream Service Center East,
 Davidson Dr.**

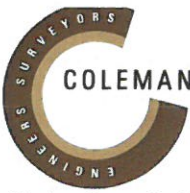
Billing Through July 14, 2018
 Tax ID : 80-0907863

Services:

- Meetings and Coordination with City of Savannah
- Meeting and Coordination with Gulfstream - Exhibits
- Additional Design and Water Models / Reports
- Additional Construction Administration
- Additional Permitting

Professional Fees

	Date	Hours	Rate	Billed Amount
Dillon C. Powell CADD Technician	05/21/2018	2.50	75.00	187.50
	06/01/2018	3.00	75.00	225.00
	06/04/2018	10.00	75.00	750.00
	06/08/2018	1.00	75.00	75.00
	06/27/2018	3.50	75.00	262.50
	06/28/2018	3.00	75.00	225.00
	07/02/2018	1.00	75.00	75.00
	07/03/2018	1.50	75.00	112.50
	07/05/2018	3.00	75.00	225.00
	07/06/2018	1.00	75.00	75.00
	07/12/2018	0.50	75.00	37.50
Gregory J. Coleman Civil Project Manager / CFO	03/01/2018	2.00	130.00	260.00
	03/02/2018	3.00	130.00	390.00
	03/27/2018	2.00	130.00	260.00
	03/28/2018	2.00	130.00	260.00
	03/28/2018	2.00	130.00	260.00
	05/22/2018	2.00	130.00	260.00
	05/31/2018	3.00	130.00	390.00
	06/08/2018	1.00	130.00	130.00
	06/11/2018	1.00	130.00	130.00
	07/01/2018	1.00	130.00	160.00



COLEMAN COMPANY INC.

17 PARK OF COMMERCE | SUITE 201
SAVANNAH, GA 31405
(D) 912.200.3041 | (F) 912.200.3056

Hughes Group Architects
Project **15-271 Gulfstream Service Center East, Davidson Dr**

Invoice number 83748
Date 07/14/2018

Professional Fees

	Date	Hours	Rate	Billed Amount
Randall A. Richter Civil Project Manager	06/08/2018	2.00	105.00	210.00
	06/11/2018	3.00	105.00	315.00
	07/03/2018	2.00	105.00	210.00
Travis G. Burke Vice President / Professional Engineer / Project Manager	03/25/2018	4.00	150.00	600.00
	06/08/2018	1.00	150.00	150.00
	06/11/2018	1.00	150.00	150.00
	07/03/2018	2.00	150.00	300.00
Professional Fees subtotal		64.00		6,655.00
			Invoice total	6,655.00

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
83748	07/14/2018	6,655.00	6,655.00				
	Total	6,655.00	6,655.00	0.00	0.00	0.00	0.00

Thank You for Your Business.

Net -15

Credit Card Payment Requires 3% Additional Fee



PO Box 7003 * 18 Gulfstream Rd. * Savannah, Ga. 31418
 912-964-0366 Main * 912-964-1435 Fax * cliftonconstruction.com

Change Order Request

Submitted to: <u>Curtis Rakosi</u> Principal/Owner: <u>EE Reed Construction L.P.</u> Address: <u>705 Waters Ave.</u> City, State, Zip: <u>Savannah, GA 31406</u> Phone No: <u>571.641.0304</u>	Date Submitted: <u>April 2, 2018</u> Project: <u>Gulfstream SCE</u> Request #: <u>5A</u> Location: <u>1000 Davidson Dr. Savannah, GA 31408</u> Email: crakosi@eereed.com
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Clifton Construction, Inc. proposes to perform the Work described below in accordance with industry standard practices. This proposal will become a contract, subject to the Standard Provisions and Conditions on the next page, when it is accepted by the Principal/Owner and approved as a contract by Clifton Construction, Inc.

Description of Work	Quantity	U/M	Unit Price	Total
Abandon and Fill 6" Asbestos Water	674	LF	\$6.01	\$4,050.74
Remove Asbestos Water Line & Cap Ends	10	LF	\$685.00	\$6,850.00
Abandon and Fill Water Manhole	1	EA	\$2,280.04	\$2,280.04
6" C900 Water Main From Sta. #9+41.51 to 4" Tee	311	LF	\$23.34	\$7,258.74
Tie to City's 6" Main at Sta. #9+41.51	1	EA	\$1,096.95	\$1,096.95
Test & Chlorinate Water	1	LS	\$1,187.72	\$1,187.72
TOTAL				\$ 22,724.19

NOTES:

Breakout of items related to COS water line placement from Station 9+41.51 to the 4" domestic service.
 The above price reflects a deduct of \$942.33 from the previous pricing for the 8" water line.

SPECIAL PROVISIONS:

Payment terms: Net 30 owner funding not withstanding.

Certified WBE w/ City of Savannah and GDOT - DBE

Clarifications:

- All utilities are to within 5.0' of building, connection to the building is not included.
- Utility stub ups lost or damaged by the work of others will be located or repaired by same.
- Price includes water meter installation only, meter costs paid by owner.
- Utility location costs by a private locator service, if required, are additional.
- Costs for maintenance of site required during periods of rain, or due to equipment or activities of other subs or GC is additional.
- Staking is included for our scope of work only.
- Traffic Control is for Clifton scope of work only.
- Landscaper assumes liability for maintenance, grading & cleanup of landscape areas once sodding begins.
- Not responsible for ponding of water where new work is required to tie in to existing surfaces.

Sincerely,
 Clifton Construction

By Frank Trent
 Frank Trent
 Project Manager

ACCEPTANCE:

By _____
 Date _____