

## SPUR 40 AREA SANITARY SEWER IMPROVEMENTS

PREPARED FOR:

CITY OF ST. MARYS, GA

T&H PROJECT No.  
J-20953

**ADDENDUM NO. 1**

**September 2, 2014**

### **PART I – CONTRACT DOCUMENTS**

The Bid Documents shall be changed in the following respects based on written questions received by the perspective bidders:

Attached is a list of the pre-bid attendees. Only bids from firms present at the mandatory pre-bid meeting will be accepted.

#### **SECTION 00021 – INVITATION TO BID:**

The bid date is revised to Tuesday, September 9, 2014 @ 1 p.m. at City Hall, 418 Osborne Street, St. Marys, Georgia 31558. Bids shall be mailed or delivered to City Hall prior to the opening.

#### **SECTION 00313 – BID FORM:**

Bidders shall use the attached revised bid form.

### **PART II – TECHNICAL SPECIFICATIONS**

Any soils found to be unsuitable for bedding or backfill as determined, following the protocol in Section 02731, shall be removed and disposed by the contractor in a proper manner. Line items have been added to the bid form for stone and sand backfill. See Section 02731 for details on the conditions of use of the additional bedding materials.

### **PART III – SITE PLANS**

Sheets C 37 & C38 – Wetwell Detail clarification: the Wetwells for Pump Station Nos. 3 & 4 are 6' diameter.

Sheet C41 – Pump Station Yard Hydrant Detail. The meter and backflow preventer size shall be 1-inch, along with the 1-inch freeze proof yard hydrant as shown. The City shall provide the 1-inch meter and meter box and the contractor shall install. The contractor shall provide and install the potable water line, the RPZ and yard hydrant. Potable water service to each pump station shall be included in the lump sum price for each pump station.

Sheet C43 – Remove and Replacement of Pavement Detail: The attached detail shall replace Detail P96 in the plans. Contractor shall be responsible for removing all existing pavement and base material along roads impacted by the proposed sewer as shown on the plans and replacing with compacted sub-base, 6" GABC and 1-1/2 inch Asphaltic Wearing Course as shown on the attached detail, installed to existing grade.

Sheet C44 – Connection of new Force Main to New Manhole: For new manholes with a proposed force main connection (plus the next manhole downstream), a factory-installed HDPE liner (Agru Sure-Grip or equivalent) is an acceptable alternative to Spectra Shield. Spectra Shield shall be used for existing receiving manholes. No separate payment is made, and shall be included in the line items for manholes to which it pertains.

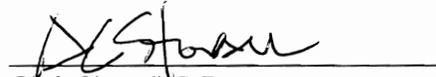
#### QUESTIONS AND RESONSES TO ELECTRICAL QUESTIONS

1. Please confirm station voltages. Plans show PS1, 3 and 4 at 460 but one line schedule shows 230V.  
**All stations are to be served at 230/115V 3-Phase 4-Wire by Georgia Power.**
2. What type/size of generator receptacle is required? The specification has Appleton, Crouse Hinds AR1041, and Crouse Hinds 200 amp Arktite. The location is shown in a separate enclosure and on the side.  
**The generator receptacle is specified on sheet E3, Item #19. All are 100A/4P receptacles.**
  - a. **Coordinate with owner's generator prior to purchase, the receptacles and plugs must connect and phase rotation shall be verified.**
3. The specification single line shows generator and main breaker in control panel.  
**Incorrect observation. The main (Service Disconnect Utility) breaker is separate.**
  - a. **An internal feeder breaker/emergency breaker pair with mechanical interlock is indicated on the drawings.**
4. Do you want an amp meter for each pump?  
**Yes.**
  - a. **Refer to Specification Section 16000, Paragraph 2.14.E.2.g.**
5. The drawing shows the alarm light and horn on the side of the panel and the specification calls for the alarm light and horn to be in a separate panel. How would you like it?  
**The basic requirement is for the light to be observable from the road.**
  - a. **As these pump stations are being provided with shelters, remote alarm lights are probably required.**
  - b. **Prior to fabrication of the control panels, coordinate with the City of St. Mary's for their preference and provide accordingly.**
6. Do you want a transducer with controller and float backup or floats with alternator, both are in the specification.  
**Provide pressure transducer as the primary control, provide floats as backup control and alarm initiator.**
  - a. **Alternation of the pumps is a common and required feature of the control panel, provide as specified.**
  - b. **Alternation of the pumps shall occur with either pressure transducer control or with back-up float control.**
7. The spec has 24V in wet well but all internal controls 120v in panel.  
**Correct.**
  - a. **Electrical control voltage within the wet well shall be an intrinsically safe design and shall not exceed 24VAC.**
  - b. **The control voltage within the control panel may be 120VAC or 24VAC.**
  - c. **There are some 120VAC loads, such as the SCADA radio, convenience receptacle, shelter lights and area light.**
  - d. **Design the control panel accordingly.**

8. Would Sch80 PVC be acceptable in the wet well for PS #2?  
**Sch80 PVC is an acceptable substitution for Sch40 PVC.**  
a. **From the junction boxes into the wet well, provide PVC conduit on all stations.**

All other aspects of the project remain unchanged.

**THOMAS & HUTTON**



Chris Stovall, P.E.  
Project Manager

End of ADDENDUM NO. 1



Spur 40 Sanitary Sewer Improvements

Pre-Bid Conference  
08/21/2014 1:00PM

Name (please print)	Company
Chris Hobgood	Astra Grading & Pipe (770) 992-9300 CHobgood@AstraGreenInc.com
Jay Boudreaux	Pump & Process / Barnes Pumps 912-659-6180 / jay@pumpprocess.com
Michael Purvis	DOUGLAS ELEC. & PLUMBS 912-384-2429 <sup>Emil</sup> <del>Emil</del> dep1@windstream.net
Chandler Brannen	Ferguson Waterworks 912-308-9161 Chandler.Brannen@ferguson.com
Orinta Jankauskaite	Pettivaut-Schmitt Civil Contractors, Inc 904-751-0888 ojankauskaite@pettivautschmitt.com.
Jeff Kicklighter	JKicklighter@seaboarconst.com Seaboard Const. Co
Bill Folsom	billfolsom@seaboarconst.com SEABOARD CONST
Patrick Sweeney	Holland Pump pat@hollandpump.com
Jeremy Rowell	Rowell Contracting Inc 912-496-2860 jeremyrowell@live.com cell 904-349-5338
DUSTIN WHITE <sup>dwhite@tblandmark.com</sup>	TB Landmark Const. 904-751-1016 11220 New Berlin Rd Jax, FL 32226
Ceylan Quinn Hester Construction	Hester Construction 792 Kayla Kingstowel

RF'S UNDERGROUND UTILITIES, INC 912-882-5503  
RUSSELL H MORGAN JR 904-591-2733 rsmo1@gmail.com  
GA-UC-301112 FLA-CUCO 56651

FROM REVERSE SIDE

L+L Utility Kirk Lewis Dublin GA  
Underground Excavating Harris Echols Patterson GA

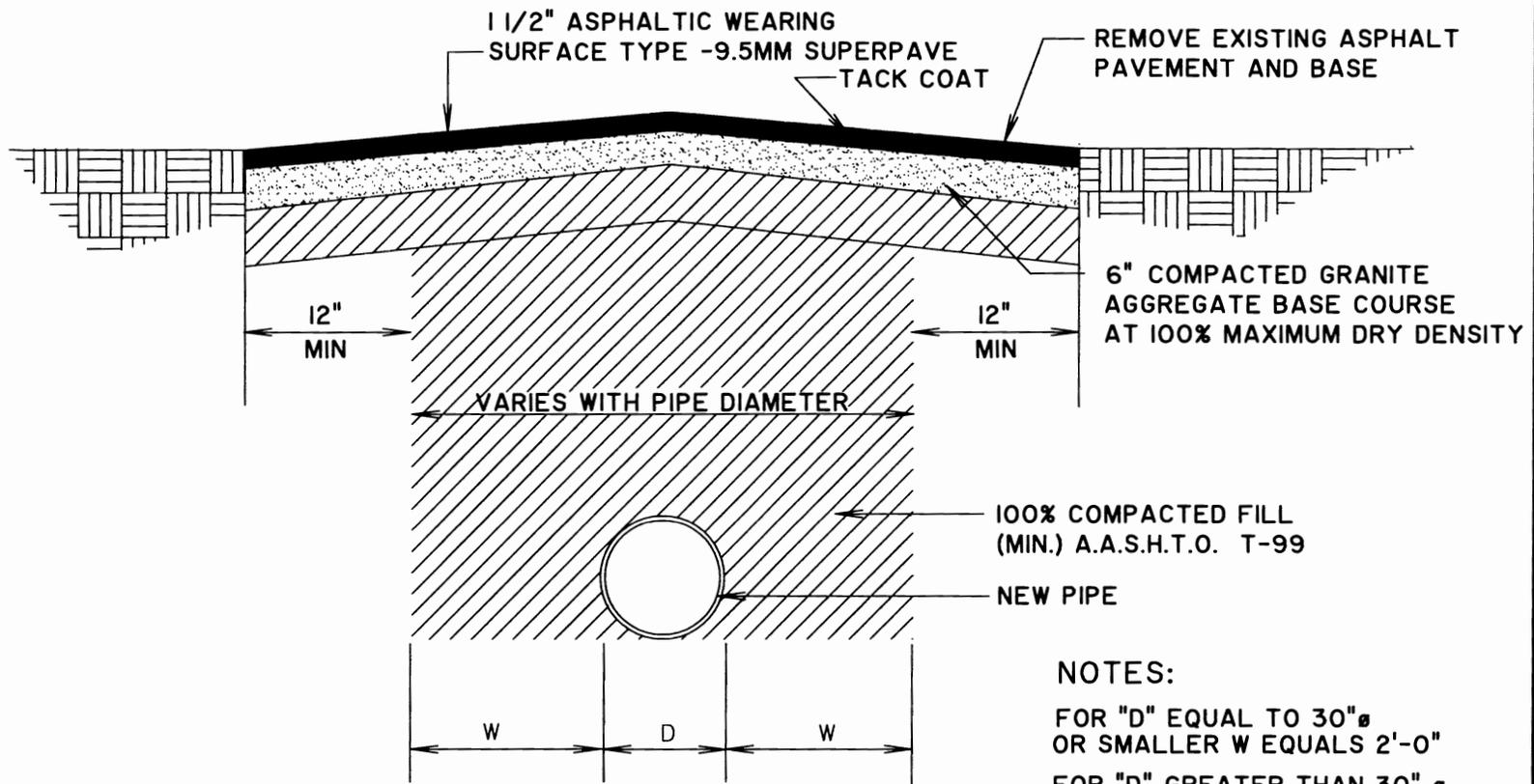
BID FORM

<b>CLEARING, GRASSING &amp; EROSION CONTROL</b>					
Item	Material	Quantity	Unit	Unit Price	Total
1	Clearing	11	AC		
2	Grassing	10.6	AC		
3	Erosion & Sedimentation Control	10,310	LF		
Sub-Total, CLEARING, GRASSING & EROSION CONTROL					\$ -

<b>SANITARY SEWER SYSTEM</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	Pump Station #1 (90 gpm, 32' TDH)	Job	-		
2	Pump Station #2 (15 gpm, 27' TDH)	Job	-		
3	Pump Station #3 (80 gpm, 21' TDH)	Job	-		
4	Pump Station #4 (175 gpm, 60' TDH)	Job	-		
5	2" Watermain	385	LF		
6	2" Tapping Saddle w/ Gate Valve in Box	1	EA		
7	Connect to Existing 2" Watermain	1	EA		
8	6" Watermain	651	LF		
9	6" Tapping Sleeve w/ Valve & Box	2	EA		
10	Connect to Existing 6" Watermain	2	EA		
11	Connect Water Services to New 6" Watermain	4	EA		
12	Remove & Replace Fire Hydrant- including new TS&V and FH lead pipe	1	EA		
13	24" RCP Drain Pipe w/ Headwall	20	LF		
14	WingWall for 18" HDPE Pipe	2	EA		
15	18" HDPE Falred End Section	2	EA		
16	Wingwall for 24" RCP	2	EA		
17	Wingwall for 36" RCP	1	EA		
18	18" HDPE Drain Pipe	145	LF		
19	24" RCP Drain Pipe	25	LF		
20	30" RCP Drain Pipe	48	LF		
21	36" RCP Drain Pipe	766	LF		
22	Remove and Replace Drain Inlet	5	EA		
23	8" Gravity Sewer (0-6)	2,703	LF		
24	8" Gravity Sewer (6-8)	5,550	LF		
25	8" Gravity Sewer (8-10)	3,626	LF		
26	8" Gravity Sewer (10-12 ft)	3,176	LF		
27	8" Gravity Sewer (12-14 ft)	1,517	LF		
28	8" Gravity Sewer (14-16 ft)	641	LF		
29	4" Sewer Lateral (174 laterals in total)	4,855	LF		
30	6" Sewer Lateral (7 laterals in total)	198	LF		
31	Standard Manhole (0-6 ft)	18	EA		
32	Standard Manhole (6-8 ft)	27	EA		
33	Standard Manhole (8-10 ft)	9	EA		
34	Standard Manhole (10-12 ft)	10	EA		
35	Standard Manhole (12-14 ft)	4	EA		
36	Drop Manhole (8-10 ft)	1	EA		
37	Drop Manhole (10-12 ft)	2	EA		
38	Drop Manhole (12-14 ft)	2	EA		
39	Drop Manhole (14-16 ft)	1	EA		
40	2" Force Main	1,105	LF		
41	4" Force Main	4,790	LF		

BID FORM

SANITARY SEWER SYSTEM - Continued					
Item	Description	Quantity	Units	Unit Price	Total
42	Connect Gravity Sewer to Existing Manhole	1	EA		
43	Connect Forcemain to Existing Manhole	2	EA		
44	Connect Forcemain to Proposed Manhole	2	EA		
45	Stone Backfill	200	CY		
46	Sand Backfill	200	CY		
47	2" 45 Bend	4	EA		
48	4" 45 Bend	17	EA		
49	6" 45 Bend	10	EA		
50	Air/Vacuum Release Valves & Manholes	3	EA		
51	Dirt Driveway Replacement	948	SY		
52	Asphalt Driveway Replacement	36	SY		
53	Gravel Driveway Replacement	590	SY		
54	Concrete Driveway Replacement	599	SY		
55	R&R 12" CMP Drain Pipe w/ 15" HDPE	206	LF		
56	R&R 12" CMP Drain Pipe w/ 18" HDPE	78	LF		
57	R&R 18" CMP Drain Pipe w/ HDPE	85	LF		
58	R&R 6" PVC Drainage w/ 15" HDPE	20	LF		
59	R&R 12" HDPE Drainage	164	LF		
60	R&R 15" HDPE Drainage	238	LF		
61	R&R 18" HDPE Drainage	31	LF		
62	R&R 12" RCP Drainage w/ 15" RCP	170	LF		
63	R&R 15" RCP Drainage	248	LF		
64	R&R 18" RCP Drainage	356	LF		
65	R&R 24" RCP Drainage	100	LF		
66	Remove and Replace Existing Asphalt Paving	29,602	SY		
67	Overlay New Asphalt Pavement	8,770	SY		
Sub-Total, SANITARY SEWER SYSTEM					\$ -
Sub-Total, CLEARING, GRASSING & EROSION CONTROL					
Sub-Total, SANITARY SEWER SYSTEM					
<b>PROJECT TOTAL</b>					



**NOTES:**

FOR "D" EQUAL TO 30" Ø OR SMALLER W EQUALS 2'-0"  
 FOR "D" GREATER THAN 30" Ø W EQUALS 3'-0"

1. ALL GRADED AGGREGATE MUST COMPLY WITH THE CONTRACT PAVEMENT SPECIFICATIONS.
2. THE GRADED AGGREGATE IS TO BE PLACED IN NO MORE THAN 6 INCH LIFTS AND COMPACTED TO 100% STANDARD PROCTOR (ASTM D 698-00). THE IN-PLACE DENSITY IS TO BE TESTED BY METHOD ASTM D 2922-96e1 OR ASTM D 1556-00.
3. LONGITUDINAL CUTS EXCEEDING 150 FT. IN LENGTH, THE GRADED AGGREGATED IN TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF ROADWAY RESURFACED WITH A MINIMUM OF 1" OF TYPE "E" ASPHALT TOPPING OR SURFACE COURSE.

**BITUMINOUS PAVEMENT  
 DETAIL**

NOT TO SCALE