

**SAN ANTONIO WATER SYSTEM  
VERANO PHASE II SANITARY SEWER  
SAWS PROJECT # 10-1528 & 10-1529  
ADDENDUM NO. 1**

**January 5, 2012**

This addendum, applicable to project noted above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

**1.0 Addendum Purpose**

The purpose of this addendum is to issue revisions and clarifications for the Verano Phase II – Sanitary Sewer (SAWS Job No. 10-1528 & 10-1529).

**2.0 Clarifications**

- A. The non-mandatory Pre-Bid Conference was held on January 3, 2012. Minutes from the meeting are attached and are considered part of this Addendum.
- B. The Owner is responsible for Quality Assurance testing. The Contractor is responsible for all Quality Control testing.
- C. The Contractor shall be responsible to make all necessary adjustments resulting from the installation of the “approved equal” pump and motor assembly in the relevant electrical and control equipment, as well as any adjustments to project equipment, materials and dimensioning such as, but not limited to, the wet well, piping, and valves, etc. at no additional cost to SAWS.
- D. Cost for flowable fill or concrete installed around sanitary sewer manholes shall be included with the costs for the manhole and kept separate from the bid item cost for any flowable fill by the linear foot.
- E. The Contractor shall be responsible for payment of all related Bexar Metropolitan Water District Impact Fees, Water Supply Development fees and water meter installation fees associated with the cost of the sanitary sewer lift station. No separate pay item will be used for these fees.
- F. The Contractor shall be responsible for coordinating the provision of 3-phase electrical power to the lift station site by CPS. All costs for provision and extension of power to the lift station site including tools, equipment, material labor, CPS fees, etc. shall be the responsibility of the Contractor.
- G. The Contractor shall include in his bid all costs associated with the proper removal and offsite disposal of all surplus excavated material from the site.

### 3.0 Specifications

- A. Special Conditions – Add the following: “SC 22.0 where project specifications conflict with SAWS Standard Specifications or other governing specifications the more stringent specification shall govern unless approved by the SAWS Inspector.”

### 4.0 Plans

- A. SAWS Job No. 10-1529 – Delete sheet C4.2 and replace with the attached sheet C4.2 to correct water well diameter call out.
- B. SAWS Job No. 10-1529 – Delete Stormwater Pollution Prevention Plan, Exhibit 2, Sheet 1 of 2. Instead, reference SAWS Job No. 10-1528, Stormwater Pollution Prevention Plan, Exhibit 2, Sheet 1 of 1.

### 5.0 Questions

- Question: Is there any protective coatings/paint work involved with this project?  
Response: *Yes, protective coatings/paint are required on the above-ground lift station discharge piping and valves and for the lift station piping within the wet well. See plan sheet C4.3 (SAWS Job No. 10-1529), Notes 5 and 6.*
- Question: Does the project involve installation of any items that will be shop-coated by the manufacturer and touched up in the field.  
Response: *Yes, the above-ground lift station valves will likely be shop-coated and then coated in the field per the plans.*
- Question: Is surface preparation (blast-cleaning, power washing, etc.) required? (SSPC grades if available.)  
Response: *Only if shop coatings are damaged prior to finish coats can be applied, in which case the contractor shall follow the manufacturer's recommendation for preparation and repairs.*
- Question: Do the existing coatings contain lead or other hazardous materials that will require containment?  
Response: *The contractor shall refer to the MSDS sheets for the materials that they are providing and address containment and personal protective equipment accordingly. Otherwise, there are no existing facilities or equipment on the project.*
- Question: What paint systems (generic paint type-epoxy, polyurethane, etc.) will be used?  
Response: *See SAWS Project No. 10-1529, sheet C4.3, Lift Station notes 5 and 6.*
- Question: Any brands specified? If so, will equals be approved?  
Response: *See SAWS Project No. 10-1529, sheet C4.3, Lift Station notes 5 and 6.*

Question: Is there a cost estimate for this project?

Response: \$1,750,381.08

Question: Could a guided boring or pilot tube microtunnel system that is non-slurry based be utilized versus a slurry machine for the trenchless installations? The specified DIP would still be utilized.

Response: *Alternative means and methods of trenchless installation will be considered by the Owner. However, the contractor shall provide documentation for the Owner's review that identifies the method of installation and indicates how the lines and grades as shown on the plans shall be maintained during construction. It shall be the responsibility of the contractor to install all sewer mains to lines and grades shown on the plans, and, no additional payments shall be made for any failed attempts to do so.*

Question: We understand that Yantis Company encountered some hard sandstone rock during the installation of the wet and dry utilities on the University Way at shallow depths. Will SAWS add a rock excavation bid item for this work?

Response: *A rock excavation bid item will not be added to the project. All soils are considered unclassified. Contractors may perform their own geotechnical investigation for purposes of preparing their bid at no additional cost to the owner.*

Question: Please provide a geotechnical report or any information that shows the subsurface conditions.

Response: *Please see "Special Conditions" section, Item No. SC-5.0.*

Question: Reference sheet C4.1 (10-01528): If the contractor elects to use PVC (SDR26) at the 25'-30' depth, will the concrete encasement requirement as listed on note #3 be paid under the concrete encasement bid item?

Response: *No, it will be paid as the same unit bid price as the bid item for pipe without concrete encasement.*

Question: Reference sheet C4.1 (10-01528): In cases where the depth range chart changes between manholes, will the contractor be required to use the same pipe material between manholes? If so, will the contractor need to pick the deeper range between manholes?

Response: *Yes, to both questions.*

Question: Please confirm that compaction testing lab is selected and paid by the contractor.

Response: *Yes, please see "Special Conditions" section, Item No. SC-8.0.*

- Question: Will the contractor need to pay for the cutsheets and staking?  
Response: *The engineer will provide one-time staking and cutsheets at no cost to the contractor. The contractor should allow 10 days for the engineer to schedule and mobilize his survey crew to the site and three additional days for cutsheet preparation. The contractor shall be responsible for protecting laths and hubs set by the engineer. The contractor shall be responsible to pay for any restaking and cutsheet preparation by the engineer (unless there is an alignment change directed by the owner).*
- Question: Reference sheet C4.5, Detail F (10-1529): Will the 2" HMAC Type D be "pg-6422"?  
Response: *Yes.*
- Question: Reference sheet C4.5, Detail F (10-1529): Since the lime subgrade is for  $pi > 20$ , will this be required on this project?  
Response: *The owner has not performed a geotechnical investigation for this project and cannot confirm the plasticity index of the subgrade soils at the site. It is recommended that the contractor include the cost for lime stabilization in his bid.*
- Question: Reference sheet C4.5, Detail F (10-1529): Where does the lime subgrade get paid under?  
Response: *If lime stabilization is required, it will be paid under Bid Item 02500TS, "SAWS Access Rd w/ 8" Flex Base & 2" Type 'D' HMAC". No additional pay item will be provided for lime stabilization, if needed.*
- Question: Reference sheet C4.5, Detail F (10-1529): What is the lime application rate?  
Response: *At no additional cost to the owner, the contractor shall be required to perform a "lime-series curve" or similar laboratory analysis to determine the application rate necessary to achieve a plasticity index of 20 or lower.*
- Question: Is there geotechnical information available for this project?  
Response: *See the "Special Conditions" section, Item SC-5.0.*
- Question: Can we substitute the microtunneling for directional bore?  
Response: *Alternative means and methods of trenchless installation will be considered by the Owner. However, the contractor shall provide documentation for the Owner's review that identifies the method of installation and indicates how the lines and grades as shown on the plans shall be maintained during construction. It shall be the responsibility of the contractor to install all sewer mains to lines and grades shown on the plans, and, no additional payments shall be made for any failed attempts to do so.*
- Question: Can we substitute the ductile iron pipe for HDPE for the bore?

*Response: The Owner will allow HDPE pipe to be used in the microtunneling section. However, the minimum inner diameter of the HDPE pipe shall be equal to or larger than the ductile iron (16" ductile iron GS push pipe) microtunneling pipe shown in the plans. The HDPE shall conform to SAWS material specifications.*

**Question:** Does the ductile iron pipe require restrained joints in the microtunneling section?

*Response: Yes, the pipe should be completely restrained throughout in this section, using ductile iron restraint material. Note that restrained joint pipe shall be considered subsidiary to Bid Item 02441TS, "16" Microtunneling & 16" DI GS Push Pipe".*

**Question:** Is clearing required?

*Response: Some clearing may be required. Any clearing performed by the contractor shall be paid under Bid Item 101, "Preparation of Right-of-Way".*

**Question:** Can testing of the lift station be performed by generator if CPS has not completed the power supply by that time?

*Response: Yes, however, ultimately the automatic transfer switch will have to also be tested prior to acceptance.*

**Question:** We would like to offer the Grundfos submersible non-clog pump or an approved equal. May we proceed with your authority?

*Response: SAWS-approved pump manufacturers are: ITT Flygt, Hydromatic, ABS, and KSB.*

**Question:** On both jobs in the special conditions the contractor has to pay for the material testing, does the owner have a list of testing soils consultants/laboratories?

*Response: A list of acceptable consultants for soils testing is not available. The contractor must submit their consultant's contact information to SAWS and Engineer prior to testing for approval.*

Addendum No. 1  
Verano Phase II Sanitary Sewer  
Saws Project # 10-1528 & 10-1529  
January 5, 2012

**ACKNOWLEDGEMENT BY BIDDER**

Each bidder is requested to acknowledge receipt of this Addendum No. 1 and the associated attachments by his/her signature affixed hereto and to file same and attach with his/her bid.

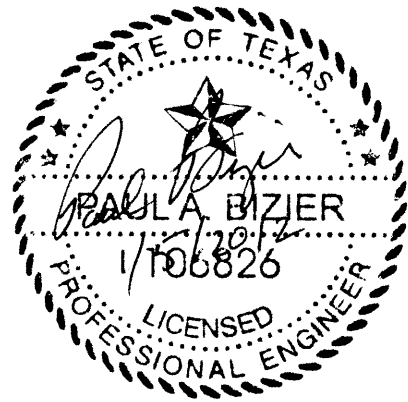
The undersigned acknowledges receipt of this Addendum No. 1 along with the bid submitted herewith is in accordance with the information and stipulations set forth.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

END OF ADDENDUM NO. 1

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**ADDENDUM NO. 1  
ATTACHMENTS**

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LAND DEVELOPMENT ENVIRONMENTAL TRANSPORTATION WATER RESOURCES SURVEYING

**PROJECT:** Verano Phase II **DATE:** 01/04/12  
**CONFERENCE LOCATION:** SAWS CR-239 **CONFERENCE DATE:** 01/03/12  
**PURPOSE OF MEETING:** Pre-Bid Meeting  
**ATTENDEES:** See attached Attendance List  
**FROM:** R. Edward Medrano, P.E. **PROJECT NO.:** 7555-00  
**CC:**

**DISCUSSION:**

- Tracey Lehmann introduced the project and noted that although the project consists of two SAWS project numbers (10-1528 & 10-1529), only one contract for the two projects will be used.
- Project Duration: 180 days (calendar days)
- Engineer's Estimate: \$1,750,381.08
- Tracey Lehmann noted the following:
  - The project will be executed under a Trilateral Contract.
  - SAWS is responsible for 100% of the construction costs, however, the developer will still be required to sign off on each monthly pay estimate submitted by the contractor.
  - The Bid Date is set for 2:00 pm on January 10, 2012.
  - Liquidated Damages will be \$400/day.
  - Advised the attendees that the 10% and 5% limits for mobilization and preparation of right-of-way, respectively, shall not be exceeded.
- Cynthia Medina advised that questions regarding the project should be submitted to her in writing. Questions may be submitted until January 4, 2012 at 4:00 pm CST. Her contact information is as follows: Email: [cgmedina@saws.org](mailto:cgmedina@saws.org); Fax: (210) 233-5332.
- Cynthia Medina also noted the following:
  - Contractors should verify their bid tab calculations.
  - The apparent low bidder is required to submit any supplemental documents (as required in the Contract Documents) within 24 hours of the bid date.

Texas Board of Professional Engineers, Firm Registration # 470



**CONFERENCE MEMO**

Verano Phase II

January 4, 2012

Page 2 of 2

- Questions regarding the Good Faith Effort questionnaire can be submitted to her up to the bid opening date.
  
- Tracey Lehmann noted the following:
  - There is a Special Conditions section in the contract documents.
  - There is no geotechnical information provided by the owner. Contractors may obtain their own geotechnical information for the preparation of their bids.
  - No additional payment will be issued for rock excavation. All soils are considered unclassified.
  
- Ray Medrano noted the following:
  - He will contact the landowner to allow contractors to gain access to the site.
  - It is the contractor's responsibility to coordinate the extension of 3-phase power to the lift station site by CPS Energy.
  
- Questions from the attendees to the owner and engineer were presented. The questions and subsequent responses are shown in the "Questions" section of Addendum No. 1.

**-END OF MEMO-**

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# SAN ANTONIO WATER SYSTEM

## NON-MANDATORY PRE-BID CONFERENCE

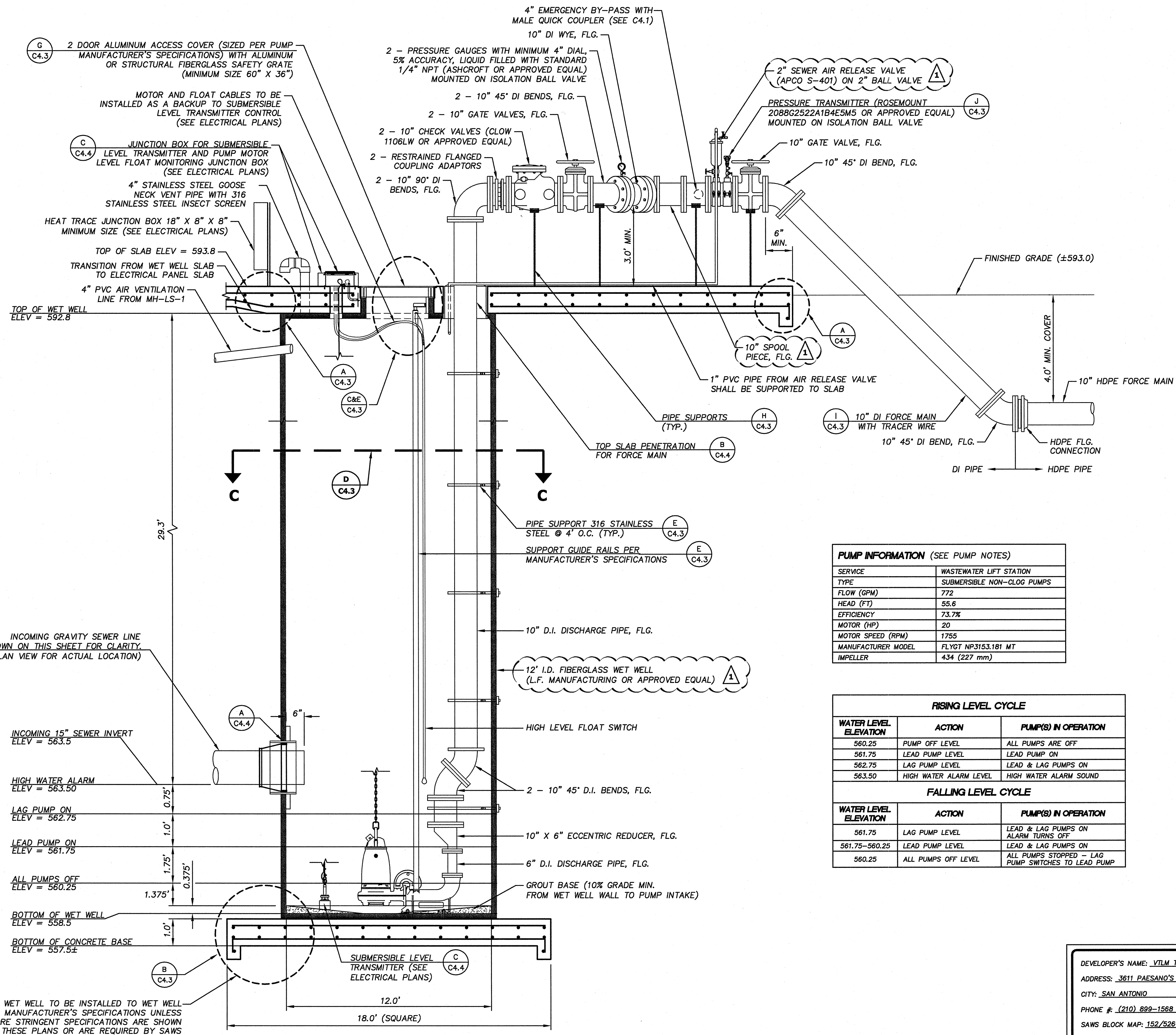
Verano Phase 2 Sanitary Sewer Project

SAWS Job No. 10-1528 and 10-1529

DATE: January 3, 2012

SIGN -IN

No.	NAME	COMPANY	PHONE
1	Tracey Lehmann, P.E.	SAWS	(210) 233-3492
2	Cynthia Medina	SNWS	210-233-3406
3	Michael Ammerort	Atlas Const	830-596-0496
4	Nick Lewis	DNT	210-490-6700
5	RAY MEDRANO	Pape-Dawson	210/375-9000
6	Mike Cox	PESADO CONST. Co.	210 651 4452
7	Casey Bartek	Bartek Co	210 648. 4780
8	Austin Keller	Artis Engineering Co. Inc	512-327-1464
9	Jim Bickley	" "	" "
10	Robert Rubio	Q20 Mex Const-	830 598-2268
11	BARBIE HAMM	FLYGT	210 287 2222
12	MATT RODRIGUEZ		210 232-7455
13			
14			
15			
16			
17			
18			
19			
20			



**PUMP INFORMATION (SEE PUMP NOTES)**

SERVICE	WASTEWATER LIFT STATION
TYPE	SUBMERSIBLE NON-CLOG PUMPS
FLOW (GPM)	772
HEAD (FT)	55.6
EFFICIENCY	73.7%
MOTOR (HP)	20
MOTOR SPEED (RPM)	1755
MANUFACTURER MODEL	FLYGT NP3153.181 MT
IMPELLER	434 (227 mm)

**RISING LEVEL CYCLE**

WATER LEVEL ELEVATION	ACTION	PUMP(S) IN OPERATION
560.25	PUMP OFF LEVEL	ALL PUMPS ARE OFF
561.75	LEAD PUMP LEVEL	LEAD PUMP ON
562.75	LAG PUMP LEVEL	LEAD & LAG PUMPS ON
563.50	HIGH WATER ALARM LEVEL	HIGH WATER ALARM SOUND

**FALLING LEVEL CYCLE**

WATER LEVEL ELEVATION	ACTION	PUMP(S) IN OPERATION
561.75	LAG PUMP LEVEL	LEAD & LAG PUMPS ON ALARM TURNS OFF
561.75-560.25	LEAD PUMP LEVEL	LEAD & LAG PUMPS ON
560.25	ALL PUMPS OFF LEVEL	ALL PUMPS STOPPED - LAG PUMP SWITCHES TO LEAD PUMP

DEVELOPER'S NAME: VITL TEXAS, LP  
 ADDRESS: 3611 PAESANO'S PARKWAY, SUITE 201  
 CITY: SAN ANTONIO STATE: TEXAS ZIP: 78231  
 PHONE #: (210) 899-1588 FAX #: (210) 249-0929  
 SAWS BLOCK MAP: 152/526-538 TOTAL EDUS: 1680 TOTAL ACREAGE: .305  
 10" SEWER PIPE 108 LF, 15" SEWER PIPE 50 LF,  
 TOTAL LINEAR FOOTAGE OF PIPE: 10" HDPE 1,714 LF (FORCE MAIN)  
 SAWS JOB NO.: 10-1529 SAWS CONTRACT NO.: \_\_\_\_\_

**SECTION A-A - PROFILE VIEW**  
 N.T.S. A  
C4.2

WET WELL TO BE INSTALLED TO WET WELL MANUFACTURER'S SPECIFICATIONS UNLESS MORE STRINGENT SPECIFICATIONS ARE SHOWN ON THESE PLANS OR ARE REQUIRED BY SAWS

REVISIONS:  
 ADDENDUM NO. 1 - 07/05/12  
 REVISE DIAMETER CALL OUTS

**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO, TEXAS 78216 | PHONE: 210.375.9000 | FAX: 210.375.9010  
 TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470

**VERANO PHASE II  
 LIFT STATION #1 & 10" FORCE MAIN  
 LIFT STATION #1 SECTION**

JOB NO. 7555-00  
 DATE JULY 2011  
 DESIGNER RLS  
 CHECKED RM DRAWN JA  
 SHEET C4.2

Date: Jan 05, 2012, 10:53am User: D: BSmith  
 File: P:\Y9\105\100\Design\Civil\Sewer\North Force Main\17755500-LS.dwg