



# CITY OF TAMPA

Bob Buckhorn, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

David L. Vaughn, AIA, Director

## ADDENDUM NO. 1

**DATE: September 26, 2013**

Contract 13-C-00044; Howard F. Curren Gravity Thickener and Sludge Pump Replacement

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

- Item 1: Delete the first sentence of SP-60 Contingency of the contract documents and replace with the following: Contractor shall include a Fifty Thousand Dollar (\$50,000.00) contingency sum, to be included as part of the total bid amount for this Contract.
- Item 2: Replace Sheet 4 with the attached updated drawing. Designation was added to depict limits of alcove areas for purposes of estimating painting requirements.
- Item 3: Replace Sheets 6, 7, and 13 with the attached updated drawings. Revisions in clouded area depict replacement of existing non-potable water flow meters and actuated valves. Flow meter is same as that specified under Section W-35 but is 8-inch in size. Valve and electric actuator are the same as that specified for plug valves under Section W-32 (for eccentric plug valve) and 15115 (for the actuator). Revisions also show eliminating the need to replace three existing valve position limit switches, cable, and conduit within each alcove area.
- Item 4: Section W36, Sheet W36-3, Coating Schedule - Delete the third paragraph in its entirety and replace with the following: All new surfaces within the alcove area (pipe, conduit, metal and equipment) shall be painted according to the coating schedule. The existing piping, walls and columns shall not be painted.
- Item 5: Section W52, first line of paragraph under W-52.01: Replace the words "existing concrete wall surfaces" with the following: "existing interior concrete wall surfaces and the existing concrete wall and floor surfaces of the perimeter launders".
- Item 6: Section 11126, paragraph 2.02 B., page 2, revise the pump efficiency values in the table to be 58% for the design condition and 57% for the secondary condition.

Item 7: Section 11126, paragraph 2.05 A., page 5, revise the list of spare parts to be:

One (1) - suction liner

One (1) - set of pump bearings

One (1) - set of mechanical seals

Two (2) - sets of gaskets and O-ring seals

Item 8: Section 11126, page 5, add the following as paragraph 3.03:

**“3.03 FIELD TESTING**

A. Due to the variable nature of the thickened sludge and unknown conditions in the pump discharge piping system, field pump test certifications will not be required.”

Item 9: Section 11126, page 6, in the Table under Attachment “A”, revise the solids concentration of liquid pumped to be  $\leq 4\%$ , revise the minimum size of solids to be 2.5”, and revise the service factor to be 1.0.

Item 10: Replace the existing Vibration Severity Chart located at the end of the Specific Provisions with the attached Vibration Severity Chart.

Item 11: **RFIs Questions and Responses**

1. QUESTION: Sheet 9, “Proposed Sump Stirrer” I cannot find any reference to this in the specifications, who is to provide this?

**RESPONSE: The sump stirrer is part of the replacement thickener mechanism and will come with the equipment specified under Section 11700.**

2. QUESTION: Sheet 9, left hand side of drawings again, “remove, clean, replace, and re-caulk V-notch weirs”. Is it necessary to remove the weirs to clean and re-caulk them? Could it read “clean, adjust, and re-caulk V-notch weirs”?

**RESPONSE: Yes, it is necessary to remove the weirs in order to apply the new coating.**

3. QUESTION: Sheet 9, left hand side of drawing, “Pressure wash and Re-Coat all concrete surfaces”. Does this include inside and outside of tank? Floor? What material for each location?

**RESPONSE: Intent was to coat the interior wall and launder surfaces using Section W-52, but not the tank floor (this is clarified by addendum) and to coat the tank exteriors as listed in Section W-36, page 3.**

4. QUESTION: Sheet 8, "Replace existing sump pump return piping with PVC". Could more information be provided for this? Size? Location from here to there?

**RESPONSE: Delete "Replace existing sump pump return piping with PVC" on sheet 8 of the plan set**

5. QUESTION: Refer to the Contract Specification, sheet W36-3, Coating Schedule. It states that "The interior walls of the two alcove areas of the thickened sludge pumps on the lower level of the building shall be painted along with all surfaces within the alcove area, both new and existing surfaces." Please identify the limits of wall and pipe painting on Sheet 4 of the contract plans. Also, are we to assume that the concrete columns are to be included?

**RESPONSE: Section W36, Sheet W36-3, Coating Schedule - Delete the third paragraph in its entirety and replace with the following: All new surfaces within the alcove area (pipe, conduit, metal and equipment) shall be painted according to the coating schedule. The existing piping, walls and columns shall not be painted. (This is clarified as an addendum)**

6. QUESTION: Sheet 12 of the contract plans, has two notes that say, "For the three conduits that pass through the slab at grade to lower level south of the mixer box, cut slab around conduits, install new pvc coated conduits through the slabs and form and pour slab around new and existing conduits." Please provide the existing slab thickness which will be removed and replaced, and reinforcing detail

**RESPONSE: During the pre-bid meeting held September 17<sup>th</sup>, it was pointed out that some of the four conduits for the south tank have already been replaced and the slab penetration, approximately 12" opening, already made with existing rebar left in place. The slab is about 12" thick with two layers of #5 rebar at 6" to 12" spacing. Hole in slab just needs to be formed and filled in with non-shrink grout and additional steel placement and/or dowel will not be necessary. Similar cutting away of slab around the three conduits keeping the rebar in place for the north tank is to be made. See picture below of existing conditions on south tank.**



Item 12: Attached for your reference is the Pre-bid meeting sign-in sheet for the above referenced project.

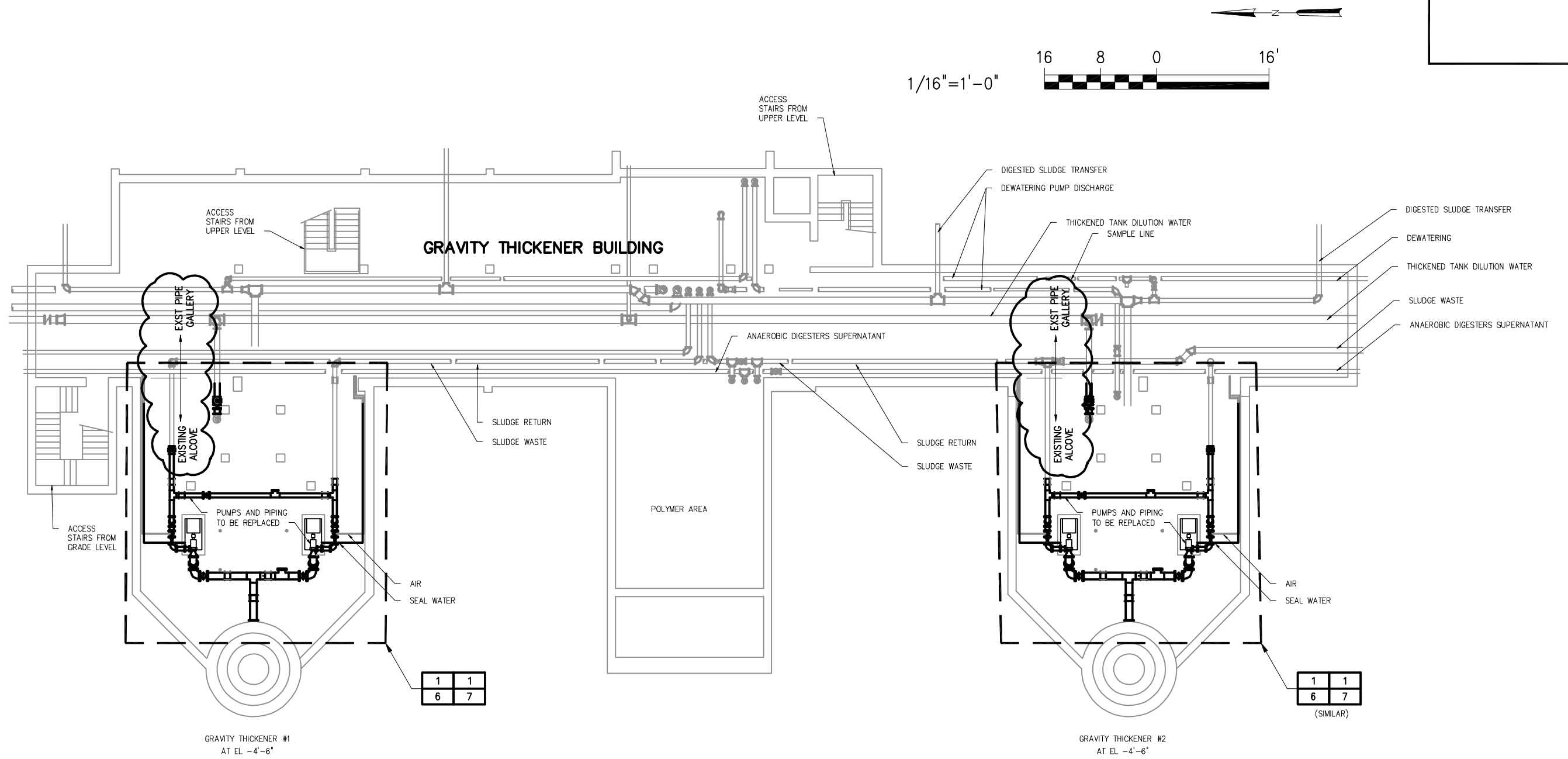
All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to [ContractAdministration@tampagov.net](mailto:ContractAdministration@tampagov.net).

*Jim Greiner*

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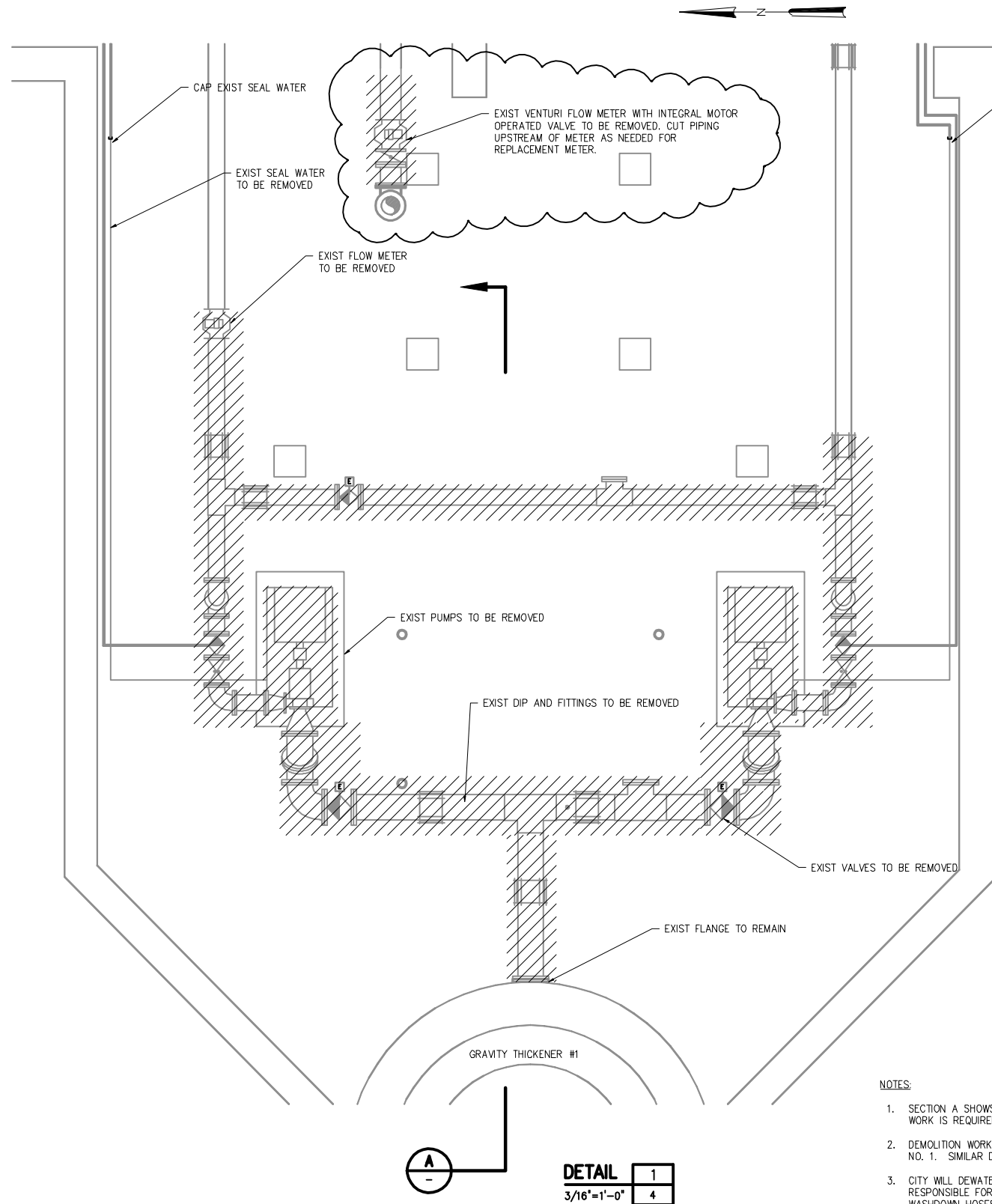
Jim Greiner, P.E., Contract Management Supervisor

User: szogurski Drawing Name: H:\41077-003\Mech\4 Gravity Thickner Building.dwg Layout- Sep 25, 2013 - 7:39am



<div>JACOB L. PORTER, P.E. #65453 HAZEN AND SAWYER, P.C. 10002 PRINCESS PALM AVE, SUITE 200 TAMPA, FL 33619, (813)630-4498</div>	No.	DATE	REVISIONS	DES: JLP DRN: SMZ CKD: DBS DATE: JULY 2013	<div>CITY of TAMPA WASTEWATER DEPARTMENT HOWARD F CURREN AWTP</div>	<div>GRAVITY THICKENER &amp; SLUDGE PUMP REPLACEMENT GRAVITY THICKENER BUILDING LOWER LEVEL</div>	W.O. 8
	3						SHEET
	2	JULY 2013	FINAL DRAWINGS				4
	1	MAY 2013	90% SUBMITTAL				OF 14

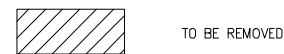
User: szogurski Drawing Name: H:\41077-003\Mech\6 Gravity Thickner 1 And 2 Sludge Pumps And Pipe Demolition.dwg Layout-- Sep 23, 2013 -- 8:42am



NOTES:

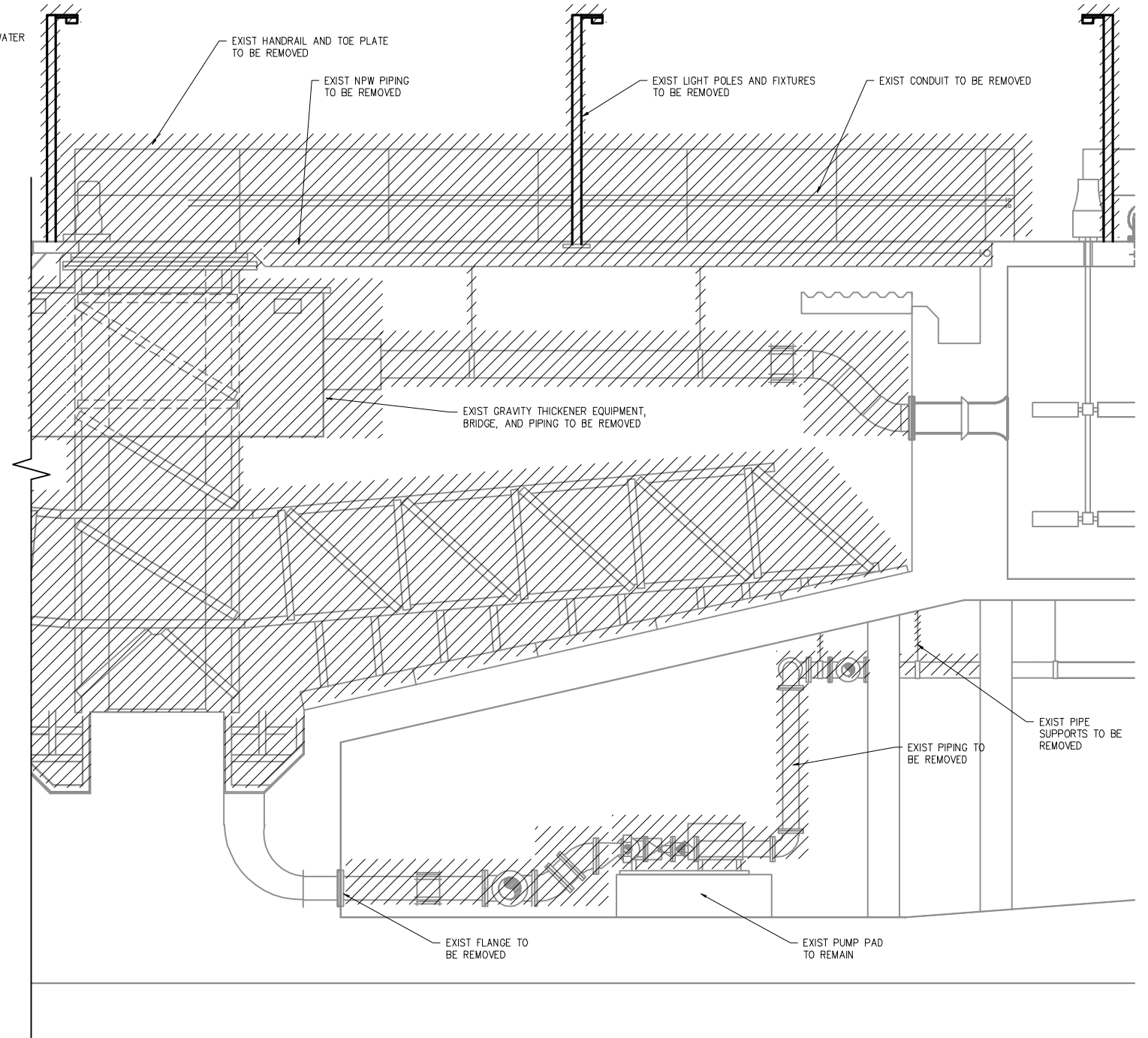
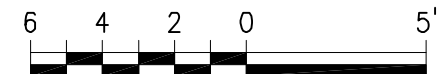
- SECTION A SHOWS THE EASTERN HALF OF THE THICKENER TANK. SIMILAR DEMOLITION WORK IS REQUIRED FOR THE WESTERN HALF.
- DEMOLITION WORK SHOWN ON THIS SHEET ON DETAIL 1 AND SECTION A IS FOR THICKENER NO. 1. SIMILAR DEMOLITION SCOPE OF WORK IS REQUIRED FOR THICKENER NO. 2.
- CITY WILL DEWATER EACH THICKENER PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR WASH DOWN OF RESIDUAL BIOSOLIDS USING PLANT NON-POTABLE WATER WASHDOWN HOSES. CONTRACTOR SHALL COOPERATE AND COORDINATE WITH PLANT OPERATIONS FOR SCHEDULING OF DEWATERING ACTIVITIES. AT LEAST ONE THICKENER MUST BE KEPT IN SERVICE AT ALL TIMES SO DEMOLITION AND REPLACEMENT WORK MUST BE COMPLETED ONE SYSTEM AT A TIME.

LEGEND



SECTION A  
3/16"=1'-0"

3/16"=1'-0"



JACOB L. PORTER, P.E. #65453  
HAZEN AND SAWYER, P.C.  
10002 PRINCESS PALM AVE, SUITE 200  
TAMPA, FL 33619, (813)630-4498

No.	DATE	REVISIONS
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2	JULY 2013	FINAL DRAWINGS
1	MAY 2013	90% SUBMITTAL

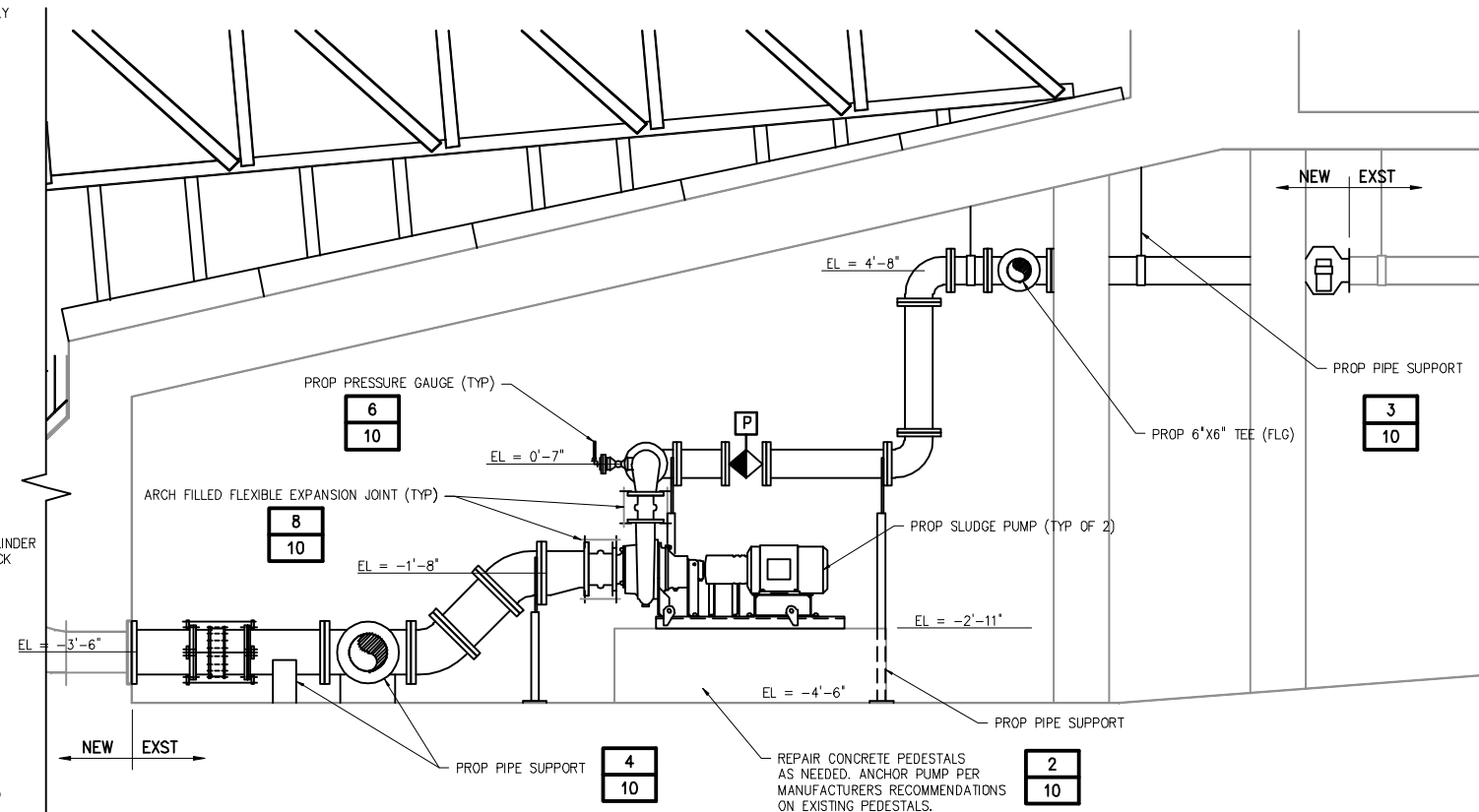
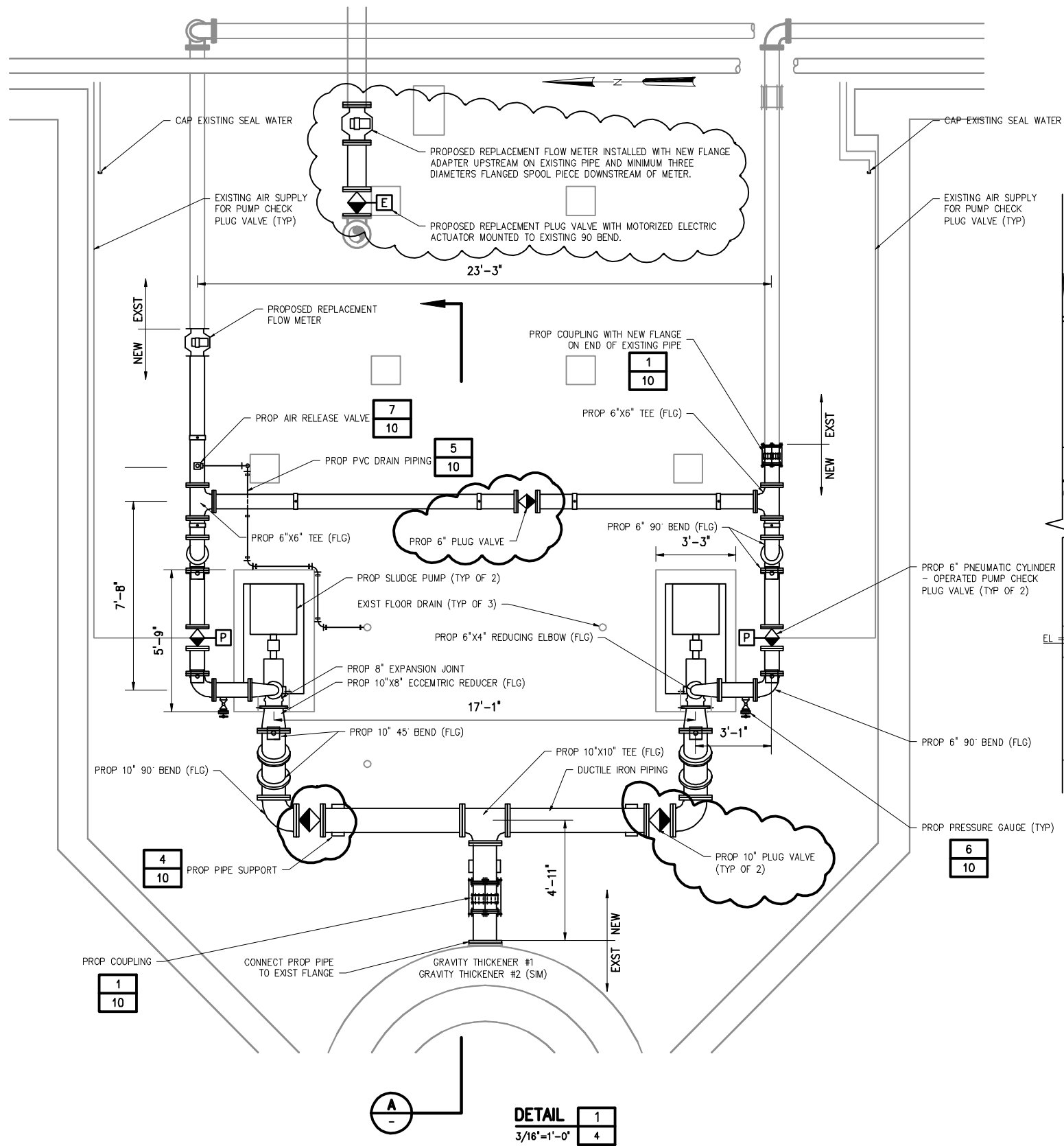
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CKD: DBS  
DATE: JULY 2013

**CITY of TAMPA**  
**WASTEWATER DEPARTMENT**  
HOWARD F CURREN AWTP

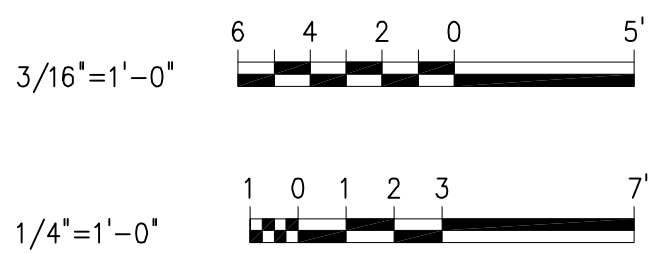
GRAVITY THICKENER & SLUDGE PUMP REPLACEMENT  
GRAVITY THICKENER SLUDGE  
PUMP AND PIPING DEMOLITION

W.O. 8  
SHEET  
6  
OF 14

User: szogurski Drawing Name: H:\41077-003\Mech\7 Gravity Thickner 1 And 2 Sludge Pumps And Pipe Modifications.dwg Layout-- Sep 25, 2013 -- 7:39am

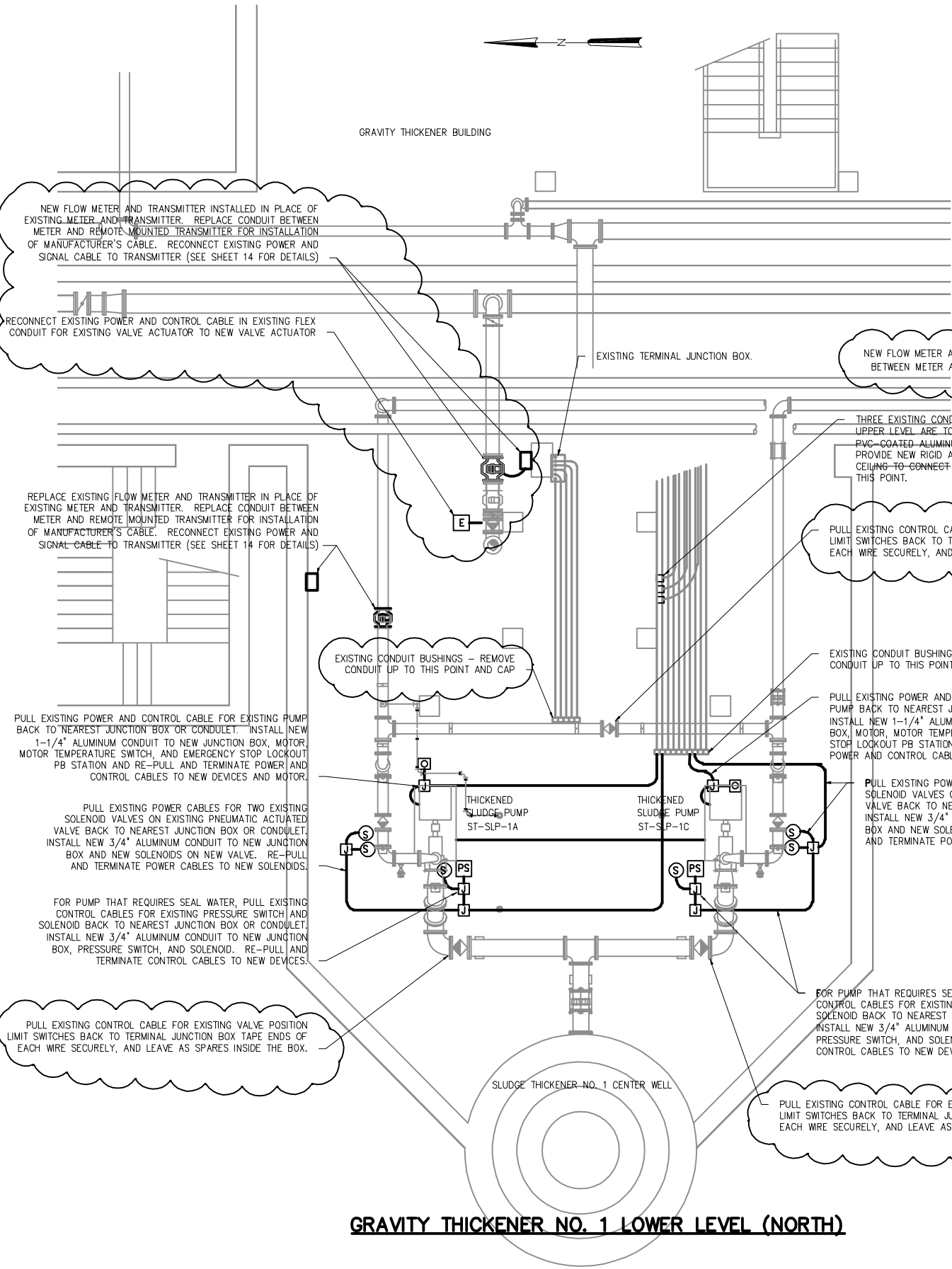


- NOTES:
1. PUMP AND PIPING REPLACEMENT WORK SHOWN ON THIS SHEET ON DETAIL 1 AND SECTION A IS FOR THICKENER NO. 1. SIMILAR PUMP AND PIPING REPLACEMENT SCOPE OF WORK IS REQUIRED FOR THICKENER NO. 2.
  2. CONTRACTOR SHALL COOPERATE AND COORDINATE WITH PLANT OPERATIONS FOR SCHEDULING OF PUMP AND INSTRUMENT REPLACEMENT ACTIVITIES. AT LEAST ONE THICKENER MUST BE KEPT IN SERVICE AT ALL TIMES SO REPLACEMENT WORK MUST BE COMPLETED ONE SYSTEM AT A TIME.
  3. SEE SPECIFICATIONS FOR LOCATION AND SPACING OF PIPE SUPPORTS. PIPE SUPPORTS ARE SHOWN IN GENERAL ONLY. PROVIDE SUFFICIENT SUPPORTS TO MEET SPECIFICATION REQUIREMENTS FOR A RIGIDLY SUPPORTED PIPE SYSTEM.



<div>JACOB L. PORTER, P.E. #65453 HAZEN AND SAWYER, P.C. 10002 PRINCESS PALM AVE, SUITE 200 TAMPA, FL 33619, (813)630-4498</div>	No.	DATE	REVISIONS	DES: JLP	<div>CITY of TAMPA WASTEWATER DEPARTMENT HOWARD F CURREN AWTP</div>	<div>GRAVITY THICKENER &amp; SLUDGE PUMP REPLACEMENT GRAVITY THICKENER SLUDGE PUMPS AND PIPING REPLACEMENT</div>	<div>W.O. 8 SHEET 7 OF 14</div>
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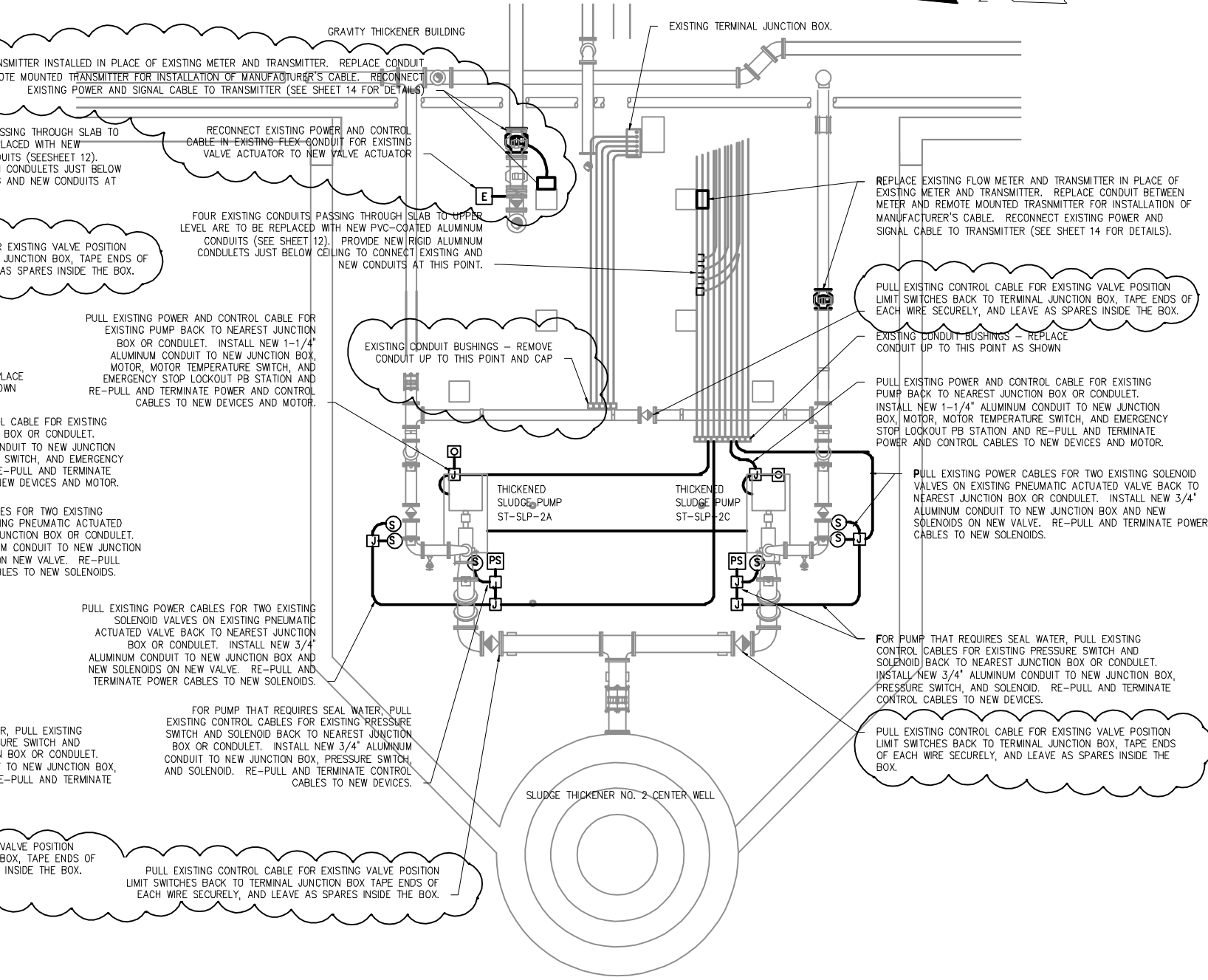
User: szogurski Drawing Name: H:\41077-003\Elec\13 Thickend Sludge Pumps Electrical Improvements.dwg Layout-- Sep 25, 2013 -- 7:38am



GRAVITY THICKENER NO. 1 LOWER LEVEL (NORTH)

NOTES:

1. **PULL AND JUNCTION BOXES:** ALUMINUM BOXES AND FITTINGS SHALL BE USED IN ALUMINUM CONDUIT SYSTEMS FOR ALL REPLACEMENT CONDUIT SYSTEMS LOCATED IN THE LOWER LEVEL OF THE GRAVITY THICKENER BUILDING. CONDUIT SUPPORTS AND MOUNTING HARDWARE SHALL BE 316 STAINLESS STEEL.
2. REMOVE AND REPLACE ALL EXISTING POWER AND CONTROL DEVICES, INCLUDING PB STATIONS, DISCONNECTS, SOLENOID VALVES, PRESSURE SWITCHES, JUNCTION BOXES, AND CONDUITS THAT ARE ASSOCIATED WITH THE TWO PUMPS AND FOUR VALVES BEING REPLACED UNDER THIS PROJECT. INSTALL NEW CONDUITS AND DEVICES AS NOTED.
3. CONTRACTOR SHALL OBTAIN (THROUGH THEIR OWN ON-SITE REVIEW OF AVAILABLE RECORD DOCUMENTS) EXISTING ELECTRICAL SINGLE LINE, MOTOR CONTROL, AND INSTRUMENT WIRING SCHEMATICS FOR EACH DEVICE HAVING POWER, CONTROL, AND/OR INSTRUMENT INTERFACE CONDUIT REPLACED.
4. CONTRACTOR SHALL LABEL AND RECORD EACH WIRE FOUND WITHIN CONDUITS BEING REPLACED TO DOCUMENT FUNCTION AND TERMINATION POINT OF EACH WIRE IN ACCORDANCE WITH EXISTING WIRING DOCUMENTATION. WIRE LABELS SHALL BE TYPED, PERMANENT, HEAT SHRUNK TYPE. MEGGER TEST EACH WIRE TO ESTABLISH EXISTING BASE LINE. SUBMIT RECORD OF WIRES FOUND LISTING WIRE LABEL APPLIED, EXISTING FIELD TERMINATION POINT, PROPOSED FIELD TERMINATION POINT ON NEW EQUIPMENT, REFERENCE DOCUMENT FOR APPLICABLE SCHEMATIC, AND MEGGER TEST RESULT. SUBMIT COPIES OF REFERENCE DOCUMENTS USED WITH MARK UP TO INDICATE WIRE LABEL FOR EACH WIRE NEEDING TO BE DISCONNECTED ALONG WITH PROPOSED MODIFICATIONS TO SCHEMATICS TO INCORPORATE ANY NEW DEVICES (SUCH AS MOTOR THERMAL SWITCHES) SUPPLIED WITH NEW MOTORS. PROVIDE NEW WIRES AS NEEDED TO ADD CIRCUITS REQUIRED FOR NEW DEVICES.
5. AFTER SUBMITTED RECORD HAS BEEN ACCEPTED, DISCONNECTION AND PULLING OF EXISTING WIRES MAY COMMENCE TO FACILITATE REPLACEMENT OF CONDUIT.
6. RECONNECT EACH WIRE AFTER RE-PULLING THROUGH NEW CONDUIT RUNS AND AFTER REPEAT MEGGER TEST SHOWS NO SIGNIFICANT CHANGE IN MEGGER TEST VALUE. IMMEDIATELY NOTIFY ENGINEER OF ANY WIRE SHOWING MORE THAN 5% CHANGE IN MEGGERED VALUE.
7. FOR PURPOSES OF ELECTRICAL PERMITTING, NO INCREASE IN ELECTRICAL LOAD IS ANTICIPATED FOR THE WORK UNDER THIS PROJECT.

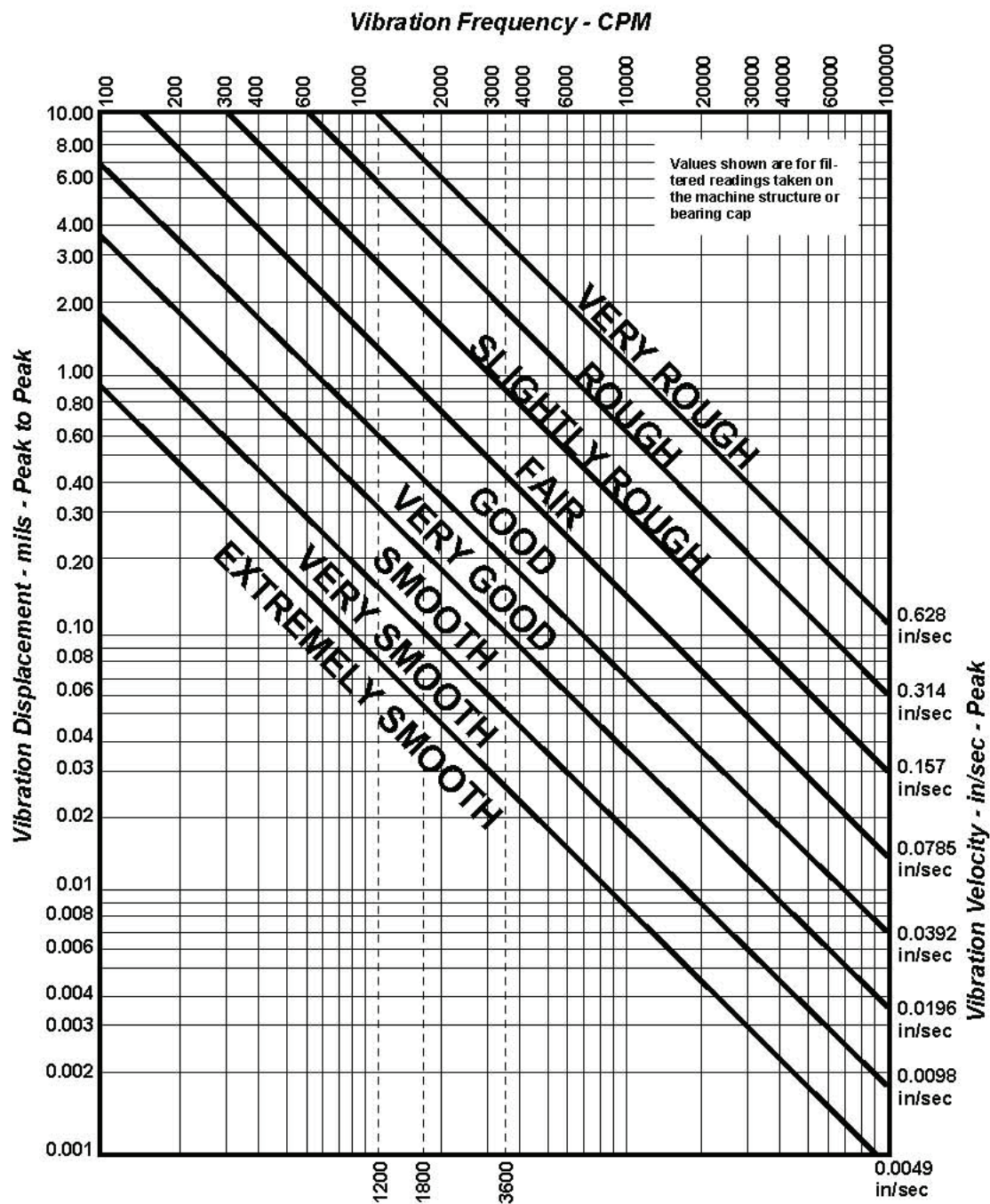


GRAVITY THICKENER NO. 2 LOWER LEVEL (SOUTH)

<div>DANIEL B. SCHMIDT, P.E. #40233 HAZEN AND SAWYER, P.C. 10002 PRINCESS PALM AVE, SUITE 200 TAMPA, FL 33619, (813)630-4498</div>	No.	DATE	REVISIONS	DES: DBS DRN: SMZ CKD: JB DATE: JULY 2013	<div>CITY of TAMPA WASTEWATER DEPARTMENT HOWARD F CURREN AWTP</div>	<div>GRAVITY THICKENER &amp; SLUDGE PUMP REPLACEMENT THICKENED SLUDGE PUMPS ELECTRICAL COMPONENT REPLACEMENT</div>	<div>W.O. 8 SHEET 13 OF 14</div>
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	2	JULY 2013	FINAL DRAWINGS				
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# GENERAL MACHINERY VIBRATION SEVERITY CHART



condition management solutions

13-C-00044; AWTP Gravity Thickener and Sludge Pump Replacement - PreBid Meeting 10:00

E-Mail to Register as a Bidder and E-Mail All Questions to; ContractAdministration@tampagov.net

Sign-In Sheet ☐ Please Print

City of Tampa, Contract Administration Department

	Name	Organization	E-Mail OR Phone
1	Jody Gray	Tampa Contract Administration Dept.	jody.gray@tampagov.net
2	LUKE ANDERSON	AMERICAN CONSTRUCTION SUCS.	LUKE.ANDERSON@AMERICANCSI.COM
3	Mike Maloy	COT / CAD	813-323-2658
4	GEORGE SCHAEFER	COT / CAD	813-918-7418
5	Rick Morris	COT/CAD	813-8630-3912
6	Rob Decker	COT/AWTP	813-247-3451
7	CARL ADKINS	MECH TND SER	813-247-2868
8	Arlyn Acosta	Gonzalez and Sons Eq.	305-796-6069
9	Aimee KATHIEY	RTD CONSTRUCTION	bids@vtaconstruction.com 813-783-7119
10	ROBERT LACHMAN	TLC Divis. Find	Rlachman@TLCDivis.Find.com
11	Dan Schmidt	Hazen & Sawyer	d.schmidt@hazensawyer.com
12	Tim Judd	RSR Coatings	Tim@RSRcoatings.com
13	John Babuka	Reliable Electric (SBE)	JOHN@RELIABLEELECTRICUSA.COM
14	Jacob Porter	HAZEN & SAWYER	JPORTER@HAZENANDSAWYER.COM
15	Cassidy Barrett	COT WW Design	Cassidy.Barrett@tampagov.net
16	Michael Stokes	MARK HILKINBOOTHAM SAWCROSS INC	MARKH@SAWCROSS.COM
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