

ADDENDUM NO. 02

IMMOKALEE WATER AND SEWER DISTRICT

Upgrade Lift Stations I, T & V and New Lift Station I2 & Force Main and New Sanitary Sewer and Manholes

September 19, 2013

Unless specifically stated, conditions in Addendum No. 1 and Addendum No. 2 are hereby made a part of the above Contract Documents, and the Bidder further agrees that the Proposal includes all impacts resulting from said Addenda.

BIDS ARE DUE AT 10AM ON MONDAY, SEPTEMBER 23, 2013.

This addendum consists of 5 pages plus attachments.

QUESTIONS & ANSWERS

Q1. With ground test, meg wire test, and acceptance field test report all materials / equipment, are we going to be required to have an independent testing firm?

A1. An independent testing firm is not required.

Q2. If an independent is not required, would it be acceptable to do the meg wire test with a 1000 volt megger?

A2. No, a test voltage of 1500 volts is required per Specification Section 16121 Paragraph 3.5.A.2.

Q3. Who is paying LCEC charges, if there is any?

A3. The Owner will pay the LCEC fees directly.

Q4. Has owner / engineer made application for service 3 phase upgrades?

A4. We contacted the utility during the design outlining the service parameters and a summation of electrical loads for each site. The name of the utility contact individual with phone number is provided in Specification Section 16210. However, the formal application for service cannot be submitted until the Contractor has obtained the necessary Collier County electrical building permits. The Owner will submit the application at that time.

Q5. Is LS T the only control panel the owner will be supplying?

A5. *Yes.*

Q6. Will LS T owner-provided control panel be supplied with the J - Box complete also?

A6. *No.*

Q7. Is LS T control panel new?

A7. *The control panel is an existing panel which the District removed from another facility and wishes to reuse.*

Q8. 1" conduits are to small to handle the pump leads to the wet well, (Hydromatic pumps usually has separate leads for thermals / seal) please confirm. Should we increase wet well conduit to 2" (usual min standard)?

A8. *We have revised Contract Drawing E4 to reflect the upsizing to 2" conduit from the power and control terminal box to the wet well.*

Q9. LS I vertical supports may be reused if meet boundary spec. requirements. Can the concrete poles on LS T and V be reused if meet boundary spec or moved to meet boundary spec.?

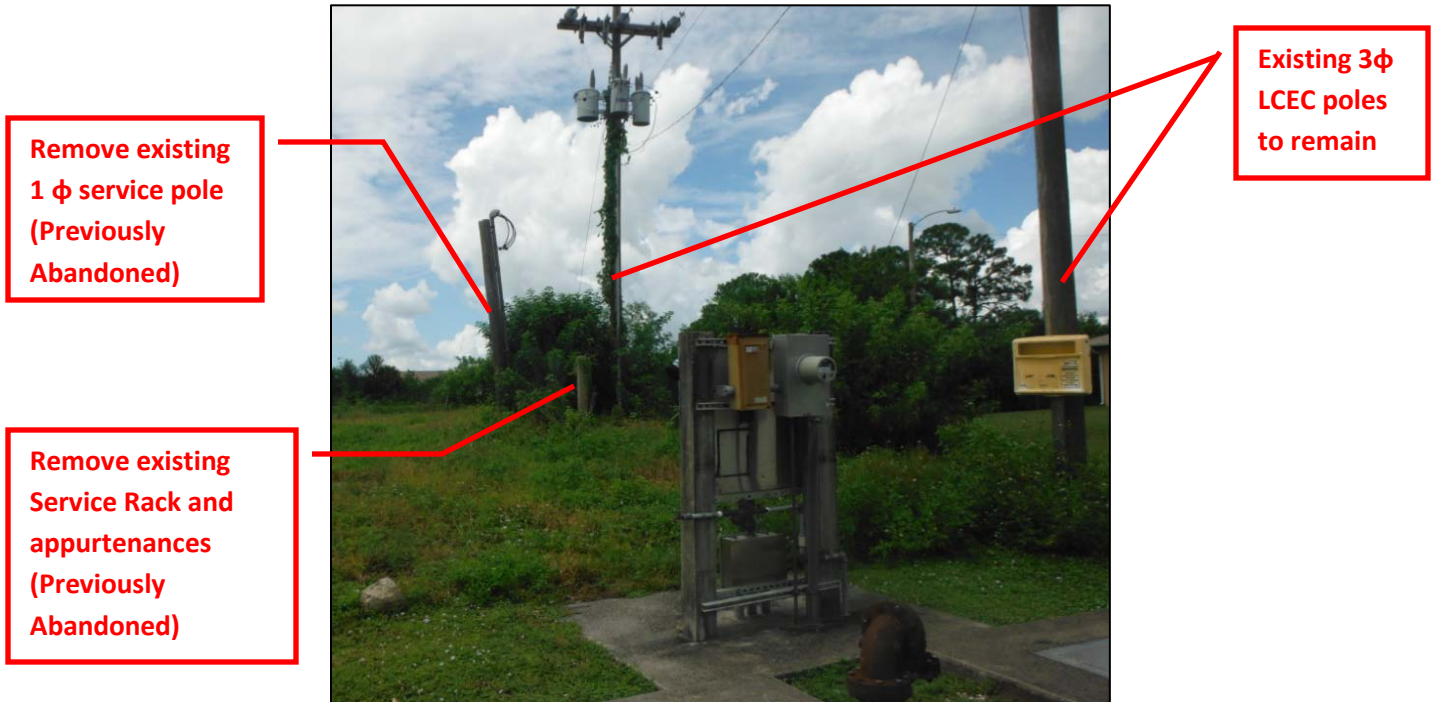
A9. *Yes - Reuse of the existing service poles at LS T & V is acceptable.*

Q10. LS T service pole location. As per walk through with Hector, location of service pole is in the way of the service truck crane. Can or should service pole and panel be relocated to opposite side of the wet well if room to meet boundary spec.?

A10. *We have revised Contract Dwg. E6 to reflect the revised location for the service pole so as not to interfere with the service truck crane.*

Q11. Referring to LS I , Demo Notes 2 A on sheet E – 2, is the pole to be removed the old Plant service pole located close to LCEC transformer pole? There looks like there is an underground service rack that has been abandoned. Should that equipment be removed also?

A11. Yes – See photo below for further clarification.



Q12. E - 4 details 200 amp. service and main breaker. Large services for such small stations on 3 phase 240 volt. Largest 7.5 HP approx 20 FLA each, max 80 to 100 main. Did someone do calculations on single phase with drives? Do you really want 200 amp services?

A12. The three phase service was a request by the District and 200 amperes is the minimum size for three phase service per the LCEC service guide.

Q13. Regarding the Grounding Spec, is a pre cast 12" concrete round box marked ground acceptable for rod access box?

A13. Yes, provided it meets the criteria stated in Specification Section 16060, Paragraph 2.5, A.

Q14. Is ground testing acceptable to be performed by the electrical contractor?

A14. Yes. There are no specified restrictions as to who is to perform the test.

Q15. Is clamp on or 3 point fall of potential an acceptable means of testing?

A15. Either method of testing is an acceptable means.

Q16. Is testing to be with the power co. connected? A 2 ohm ground would probably be impossible to obtain without the power co connected. Grounds that low are power co. grounds.

A16. The only specified criterion is that the maximum impedance shall not exceed 2 ohms at any point. Testing with the power company connected is the Contractor's choice.

Q17. Referring to the specifications for the jacking, augering and mining section 1.02 A - The company that does the majority of Jack and Bores around Lee County has never been required to have anything but the sheeting signed and sealed by a professional engineer. He can't quote the bores with this spec and doesn't know of anyone who can. Can this be changed to just the sheeting being signed and sealed by a professional Engineer?

A17. Yes, the specification has been revised to require only the sheeting/shoring/bracing to be signed and sealed.

CLARIFICATIONS

C9. Lift Station I - Sink Hole

A sink hole has recently developed at Lift Station I, which is apparently due to the existing 8" PVC sewer line running from the master manhole to the wetwell. (See photo below). Pressure grouting of the pipe connection at the wetwell is to be included in the Bid as part of the preparations for coating the existing wetwell (Refer to Paragraph 3.02.E of Specification Section 09910).



PLAN CHANGES

P2. Plan Sheet E-4

Please replace the previously issued plan sheet E-4 with the attached revised version. All revisions have been clouded on the revised sheet.

P3. Plan Sheet E-6

Please replace the previously issued plan sheet E-6 with the attached revised version. All revisions have been clouded on the revised sheet.

SPECIFICATION CHANGES

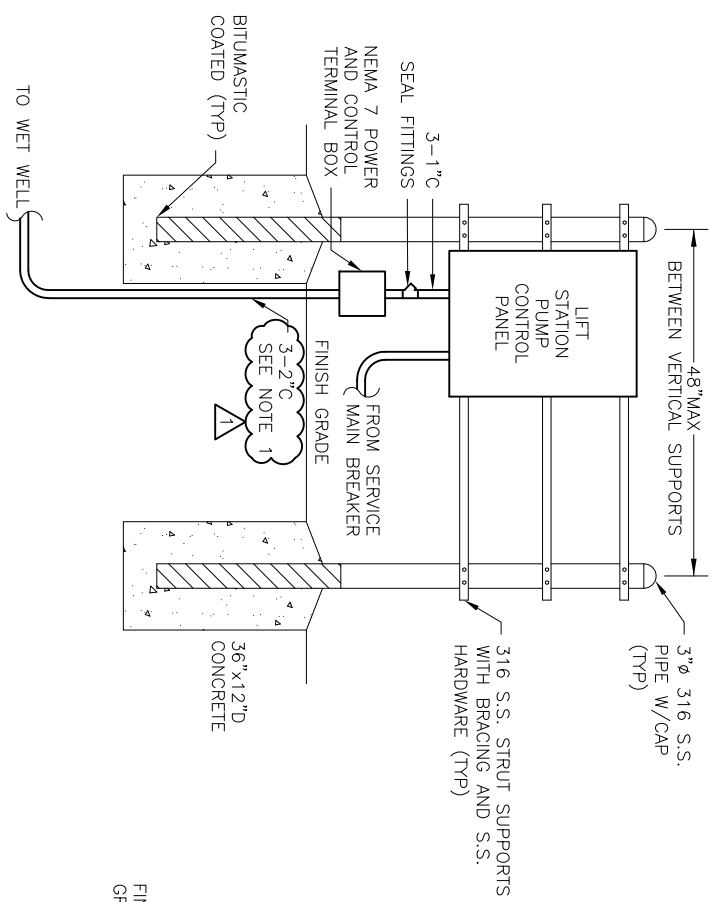
S11.Section 02680 – Jacking, Augering, and Mining

Please revise the paragraph 1.02 as follows:

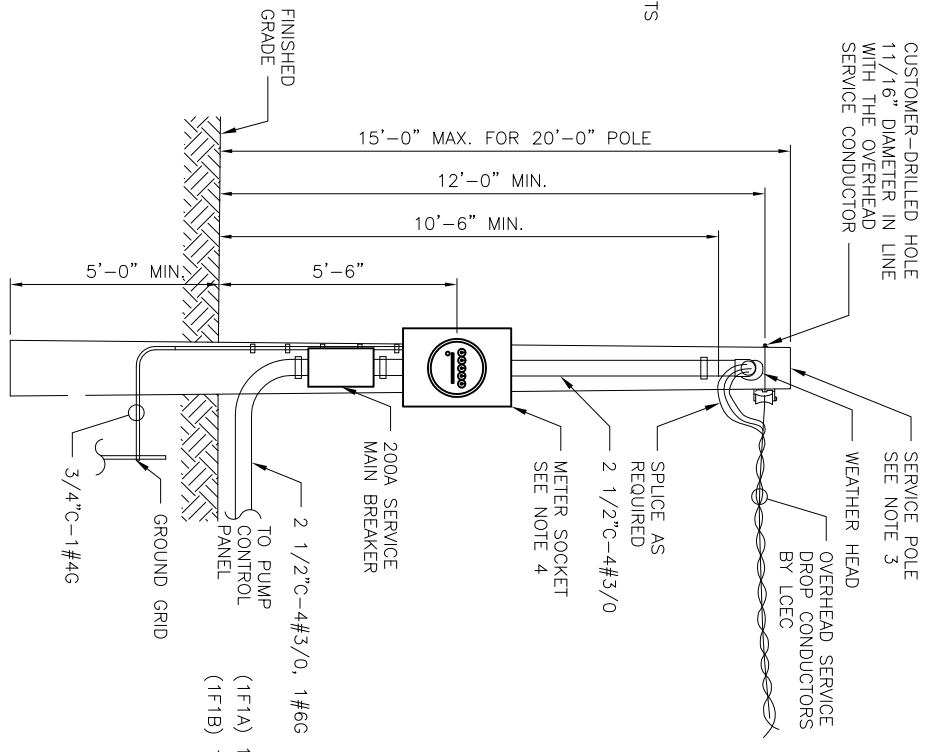
(Deletions are show in strikethrough type and additions are shown in italic type)

1.02 SUBMITTALS

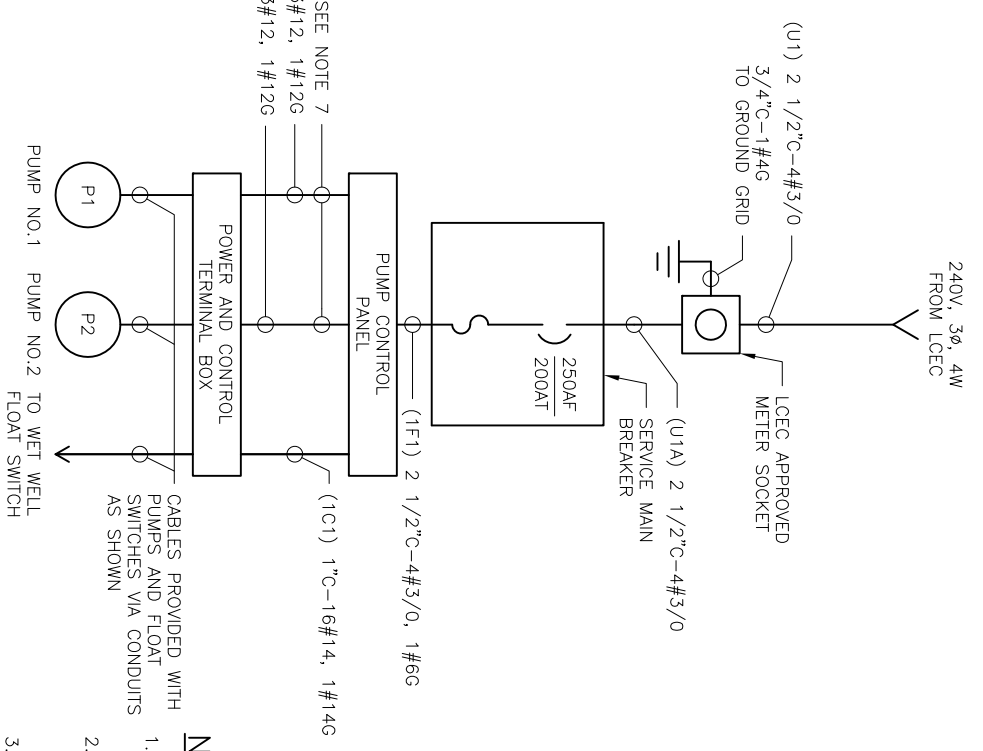
- A. Working drawings of the jacking pipe, jacking frame, jacking head, reaction blocks, *jacking and receiving pits*, sheeting, ~~including design calculations~~ for the complete jacking installation ~~signed and sealed by a licensed Professional Structural Engineer in the State of Florida.~~
- B. *Calculations for the sheeting/shoring/bracing for the jacking and receiving pits signed and sealed by a Professional Engineer licensed in the state of Florida.*



TYPICAL PUMP CONTROL PANEL MOUNTING DETAIL 1
NOT TO SCALE



TYPICAL POLE MOUNTED 3 PHASE OVERHEAD ELECTRICAL SERVICE DETAIL 2
NOT TO SCALE



TYPICAL LIFT STATION ONE LINE DIAGRAM

NOTES:


- EXISTING CONDUITS MAY BE REUSED IF SERVICEABLE AND GALVANIZED RIGID STEEL.
- EXISTING CONCEALED CONDUITS DEEMED UNSERVICEABLE ARE TO BE CUT OFF FLUSH WHERE TURNED OUT EXPOSED AND FILLED WITH CONCRETE.
- PROVIDE A 20 FOOT CLASS 7, PRESSURE TREATED WOOD POLE OR AS REQUIRED TO MAINTAIN LCEC CLEARANCES.
- PROVIDE THE METER SOCKET AND ALL APPURTENANCES SHOWN UNLESS OTHERWISE NOTED.
- COMPLY WITH ALL APPLICABLE LCEC REQUIREMENTS.
- DETAILS 1 AND 2 MAY BE COMBINED AND ORIENTED AS REQUIRED TO ACCOMMODATE THE PHYSICAL LIMITATIONS AND UNFORESEEN CONDITIONS ENCOUNTERED AT EACH OF THE LIFT STATION SITES.
- THE CONDUCTOR SIZES AT LIFT STATION "A" ARE #10AWG N LIEU OF #12AWG WHICH IS TYPICAL FOR ALL OTHER LIFT STATIONS.

100% SUBMITTAL

NO.	DATE	APPD	REVISION
1	9/17/13	NV	ADDENDUM NO. 2

SCALE
NOT TO SCALE

IMMOKALEE WATER AND SEWER DISTRICT
UPGRADE LIFT STATIONS 1, T & V AND NEW LIFT STATION I2 & FORCE MAIN AND NEW SANITARY SEWER & MANHOLES

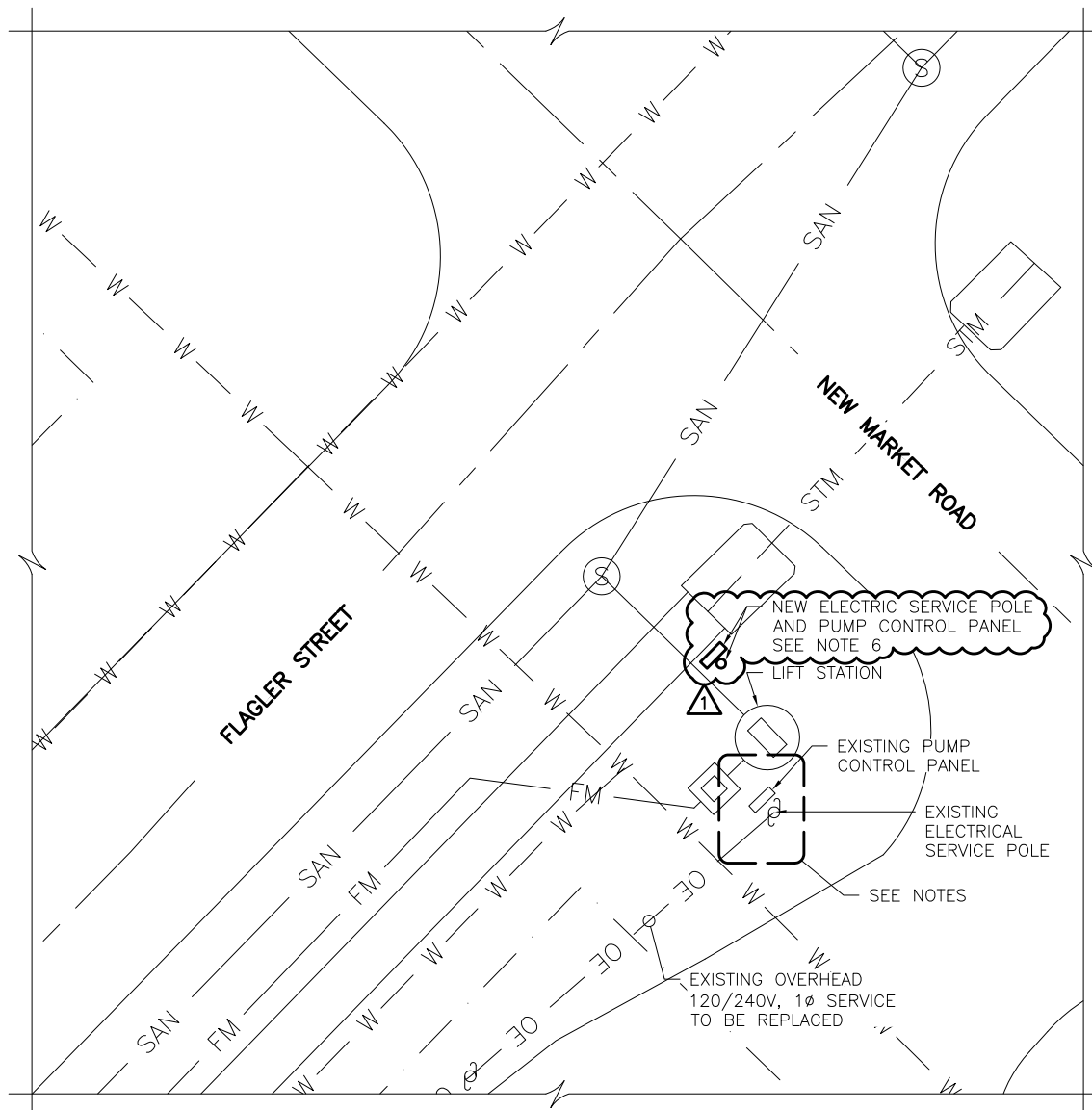
IMMOKALEE WATER & SEWER DISTRICT

GREELEY AND HANSEN
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 (239) 226-9660
 EB-37

DESIGNED RZ
DRAWN TT
CHECKED NV

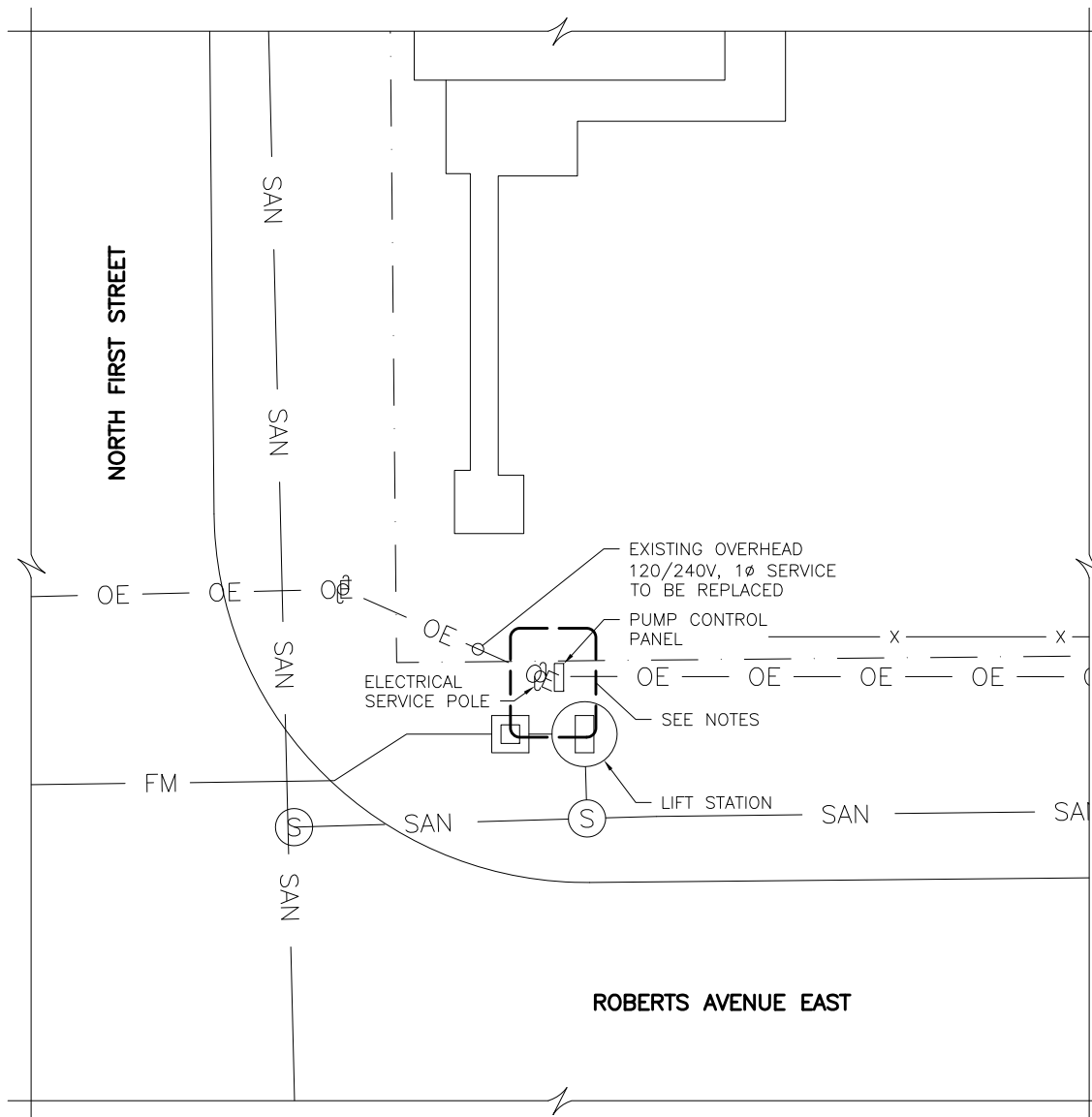
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SHEET **E4** OF 41
DATE JULY 2013 REV 0

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SITE PLAN - LIFT STATION 'T'
SCALE: 1" = 20'-0"

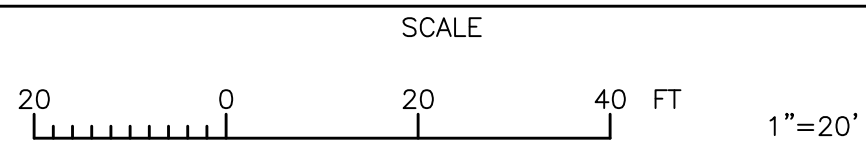


SITE PLAN - LIFT STATION 'V'
SCALE: 1" = 20'-0"

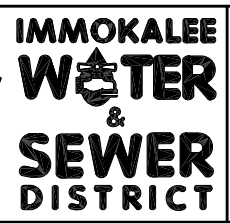


- NOTES:**
- SEE DRAWING E4 FOR NEW ELECTRICAL SERVICE RISER AND PUMP CONTROL PANEL DETAILS.
 - SEE ONE LINE DIAGRAM ON DRAWING E4 FOR ALL REQUIRED WIRING.
 - EXISTING CONDUITS STUBBED INTO THE PUMP STATION WET WELLS MAY BE REUSED PROVIDED THEY MEET ALL CRITERIA SPECIFIED, ARE OF SUFFICIENT SIZE FOR THE SUBMERSIBLE CABLES BEING INSTALLED AND ARE PHYSICALLY SUITABLE FOR ACHIEVING THE PHYSICAL ARRANGEMENT AS SHOWN.
 - SEE DRAWING E2 NOTES FOR ELECTRICAL DEMOLITION WORK.
 - COORDINATE THE LOCATION AND ORIENTATION OF ELECTRICAL SERVICE RISER FOR THE NEW 240/120V, 3-PHASE, 4-WIRE SERVICE WITH LCEC. PROVIDE ALL MATERIALS AND APPURTENANCES AS REQUIRED TO MAKE THE SERVICE DROP FULLY OPERATIONAL. THE DESIGN INTENT IS FOR THE NEW ELECTRICAL SERVICE EQUIPMENT AND PUMP CONTROL PANELS TO BE LOCATED IN CLOSE PROXIMITY TO THE EXISTING EQUIPMENT BEING DEMOLISHED OR MODIFIED.
 - COORDINATE THE PLACEMENT OF THE NEW ELECTRICAL SERVICE DROP AND PUMP CONTROL PANEL WITH THE DISTRICT TO ENSURE PROPER CLEARANCE FOR FUTURE MAINTENANCE.

100% SUBMITTAL



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UPGRADE LIFT STATIONS I, T & V
& FORCE MAIN AND NEW
SANITARY SEWER & MANHOLES



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(239) 226-9660
EB-37

ELECTRICAL SITE PLANS
LIFT STATIONS 'T' & 'V'

DESIGNED RZ
DRAWN TT
CHECKED NV

FILE NAME: 0208E006.DWG	
E6	
SHEET	41 OF 41
DATE	JULY 2013
REV	0

NO.	DATE	APPD	REVISION
1	9/17/13	NV	ADDENDUM NO. 2