



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

October 5, 2012

**ADDENDUM #4, BID H-23-12
REHABILITATION OF WASTEWATER PUMP STATION NO. 65**

To Whom It May Concern,

The deadline for submission of sealed bids is extended to 2:00 p.m., October 15.

Please review the following responses to requests for information.

Q1: In Article 41 of the above referenced projects, you state that in the event the work involves the removal and disposal of asbestos-related materials, Contractor shall carry Asbestos Liability-Occurrence insurance. Please confirm whether there is asbestos related materials on this project or not, and whether you will require this insurance coverage.

A1: No asbestos-related materials on the project.

Q2: How can we obtain a full size set of plans that are clear and to scale? The plans we downloaded from your website are very small and the printing is fuzzy and they are not to scale, and there are no dimensions on the plans to scale from.

A2: The scales are shown on the plans as follows:

- 1" = 10' Plan View
- 1" = 2' Elevation

They should print on 36" x 24".

Q3: What length is required for the pump power cords and sensor cables for LS #65 & LS #81?

A3: It is defined by the depth of the well to the control panel, with a few feet of slack to be coiled and attached to the cable hooks inside the wet well. The length changes for each site.

Q4: There are many types of test reports that can be supplied for submersible pumps. The specifications for LS #65 & #81 (page 33 32 16 -2) state that Test reports must be submitted via a written report showing that factory pump inspections and tests have been successfully performed. Could a more detailed description of what type of pump inspections and test reports are to be provided?

- A4: Pump manufacturers test and inspect each pump once assembled and prior to shipping to the client. A test/inspection report for each pump is then generated. Contractor is to request said test report from the manufacturer for all pumps and provide a copy to the City
- Q5: (Station 65) We cannot find the measure of payment section that describes each bid item.
- A5: Refer to section 1.2 UNIT PRICE - MEASUREMENT AND PAYMENT for each section.
- Q6: (Station 65) **Bid Item 30.** Description is for FPL Service Replacement Cost/Electrical Service Conduit & Wire. Please advise if there are suppose to be any FPL Cost associated with Bid Item 30? Seems to be confusion with allowance amount for Bid Item 32?
- A6: Delete this line item; Allowance in item 32 is to cover this.
Revised bid proposal pages are enclosed; bidders must use the revised pages.
- Q7: (Station 65) **Bid Item 32.** Description Service Metercan, Disconnects, Step Down Transformer is an allowance for \$16,200.00 – is this correct? We are not to include these items in our bid but use the allowance amount?
- A7: Correct.
- Q8: Coatings – There are a few products out now that are equal too or better than sewercoat can we us an equal coatings system?
- A8: The City has approved Refratta HAC 100 as an approved equal to Sewpercoat.
- Q9: Could you please provide direction on the requirement's to submit our patented epoxy coating products as equal for the pumping stations 65, 81 projects and other projects in the future?
- A9: The Utilities Department has a procedure to review new products, such as coatings, for use in the City's system. The procedure is outlined on the the City's website: <http://mypompanobeach.org/directory/utilities/pdf/Procedures%20for%20Evaluating.pdf>
Contact Bobby Clayton, Wastewater Pumping Supervisor, at (954) 786-4154, to start the process of having alternate coatings reviewed for including in future bids.
- Q10: Request C.C. Control Corp. to be approved as an equal control panel supplier to Champion Controls.
- A10: So long as the plans/specs are adhered to (with exception of the manufacturer), we see no reason why CC Controls Corp. could not be considered as an alternative to Champion Controls for the control panel.
- Q11: Are Pumps and control panel supplied by city? If so, what brand? Also, what is lead time for city supplied equipment? Plans listed panel and pumps supplied by city.
- A11: Please refer to Items #1 and #2 on Addendum #1.
- Q12: If lead time of pump(s) and controls is 10-12 weeks will contract time be extended and/or NTP delayed?

A12: City will evaluate lead time and if warranted incorporate into schedule and grant time extension based on critical path schedule.

Q13: Are professional surveyor as built required for this project?

A13: Yes. Refer to Section 1.3 SUBMITTALS of the Technical Specifications.

Q14: Sheet C.4.0 note says contractor shall verify valve seal in "good" operating condition. What does "good" entail? If seal is not good, it is called out to be replaced. Please define what contractor is responsible for in replacing seal. Line stop may be necessary unless there is an isolation valve in close proximity. Does contractor include cost of line stop? Also, what style and brand of valve is existing?

A14: A valve in good operating condition is one that is fully operable, is able to provide a leak-free seal when in the closed position and still possesses well-encapsulated plug. The contractor shall obtain approval of their assessment of this valve under the supervision of a City representative. If it is determined that the valve isn't sealing properly and a line-stop is required this will be addressed as a change order.

Q15: Underground pumpout is shown as flanged with stainless bolts. Is this correct, or is mj desired? Stainless steel bolts are required for buried fittings?

A15: MJ fittings are acceptable for underground installation. All bolts within the wet well/valve vault must be 316 SS.

Q16: Will any 300 grade stainless suffice?

A16: Grade 316 SS shall be used.

Q17: Who supplies blue ribbon transmitter w/kit?

A17: Transmitter shall be provided by the contractor.

Q18: Wet well condition & cleaning system compounds issue of MIC (biogenic corrosion) and creates an even more harsh environment for equipment and new proposed coating. Would city/engineer connecting this unit into city water/reuse in order to cut down on sulfate levels in wet well and prolong life of coating and equipment?

A18: The requirement for the wastewater conditioning and cleaning system is deleted from these two projects. Do not include this system in your bid.

Q19: Please provide detailed list of what materials/equipment are being provided by city with cut sheets if available.

A19: Information was provided in Addendum #1.

Q20: Drawing E.3 on LS 81 refers to 480 volt transformers to remain on the FPL pole. Electrical riser calls for 120/208 volts. What is the voltage for this site?

A20: Voltage for LS-81 is 480v. Voltages indicated on the meter and control panel have been changed to properly reflect this.

- Q21: Drawing E.3 also indicates install a disconnect before the meter. If the power is FPL they won't allow a disconnect before the meter.
- A21: Code requires a meter disconnect to be installed ahead of the meter to interrupt service for meter maintenance on 480v services and above. This is not considered the primary service disconnect. This would only be required on LS-81 and not LS-65.
- Q22: How far away is the FPL pole from the station at LS 65 for the electrical service?
- A22: Based on sheet C.3.0 the utility pole is approximately 110 feet from the control panel station.
- Q23: What type of conduit will be required for underground, exposed and also to the wet well from the control panel?
- A23: PVC conduit should be used for the underground connections as well as the connection from the wet well to the control panel. Galvanized steel conduit should be used for the exposed connections.
- Q24: Can we please get the coatings verified for the pipe, valves and fittings portion of the project?
- A24: All exterior pipe surfaces to be 100% Polyamine Epoxy, Tnemec Perma-Glaze, Series 435. Inside lining of all pipe shall be Protecto 401 lined. The exterior of the discharge headed and valve vault piping to be coated in Tnemec.
- Q25: Request to supply HOMA pump as an approved equal. Lift Station 65 AMX434-250/13P/C. Lift Station 81 AMX644-270/29P/C.
- A25: The City has no objections to the proposed HOMA pumps.
- Q26: Request to supply Ebara pump as an approved equal; Lift Station 65 80DKCMKFU67.5 (10 HP), Lift Station 81 100DLKFU618 (25 HP.)
- A26: The City has no objections to the proposed Ebara pumps.
- Q27: Request to supply Wilo EMU pumps as an approved equal.
- A27: We cannot accept EMU at this time as the City has not completed its evaluation of this pump in our system.
- Q28: We have spoken with the named pump vendor. If everything was perfect and the pumps were released early there would not be enough time left to complete these projects with the time limits set in the bid documents. We are requesting the City consider adding 30 to 60 days to the contract time.
- A28: Contract completion times will not be changed. If the awarded contractor runs into this issue the City will consider granting a time extension based on pump manufacturer letter.

ADDITIONAL INFORMATION AND CLARIFICATIONS

The City's electrical sub-consultant has revised two plan sheets as follows:

E3.0 on #65, revised electrical riser and notes on site plans

E3.0 on #81, revised electrical riser and notes on site plans

The revised plan sheets are posted enclosed this addendum.

The remainder of the solicitation is unchanged at this time.

Revised bid proposal pages 16-18 are enclosed; bidders must submit their bid on the revised pages.

Acknowledge receipt of this Addendum in the area provided on Page 14 of the bid.

Very truly yours,

Leeta Hardin
General Services Director

enclosures

cc: website
file

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
<u>GENERAL</u>					
1.	Bonds and Insurance	1	LS	\$ _____	\$ _____
2.	Mobilization	1	LS	\$ _____	\$ _____
3.	Maintenance of Traffic	1	LS	\$ _____	\$ _____
4.	Bypass Pumping Operation for Duration of Construction Activities	1	LS	\$ _____	\$ _____
5.	Furnish and Install Temporary Lift Station Bypass Pumps and Piping	1	LS	\$ _____	\$ _____
6.	Permit Fees	1	AL	\$ <u>5000.00</u>	\$ <u>5000.00</u>
7.	Tree Canopy Fund	1	AL	\$ <u>1000.00</u>	\$ <u>1000.00</u>
8.	Indemnification	1	LS	\$ <u>10.00</u>	\$ <u>10.00</u>
9.	Contingency	1	AL	\$ <u>25000.00</u>	\$ <u>25000.00</u>
10.	Spare Parts Per Note 22. On Sheet E.4.3	1	LS	\$ _____	\$ _____
SUBTOTAL, GENERAL					\$ _____
<u>DEMOLITION</u>					
11.	Remove Existing 4" Forcemain	50	LF	\$ _____	\$ _____
12.	Remove and Salvage Existing Pumps	1	LS	\$ _____	\$ _____
13.	Remove and Salvage Existing Valves in Wet Well and Valve Vault	1	LS	\$ _____	\$ _____
14.	Remove and Dispose of All Existing Pipe, Fittings, Hatches, Vents, Equipment and Panels	1	LS	\$ _____	\$ _____
15.	Remove Existing Backflow Preventer and Water Meter	1	LS	\$ _____	\$ _____
16.	Electrical Demolition	1	LS	\$ _____	\$ _____
SUBTOTAL, DEMOLITION					\$ _____

SANITARY SEWER & WATERMAIN

17.	Core Drill Existing Sanitary Sewer Structure	10	EA	\$_____	\$_____
18.	Furnish and Install Wet Well 2.5'x4' TPD Hatch	1	EA	\$_____	\$_____
19.	Furnish and Install Valve Vault 4'x4' TPD Hatch	1	EA	\$_____	\$_____
20.	Clean and Coat Interior Surfaces of All (Existing and Proposed) Concrete Structures	1	LS	\$_____	\$_____
21.	Connection to Existing 6" Forcemain	1	LS	\$_____	\$_____
22.	Furnish and Install 6" Forcemain	40	LF	\$_____	\$_____
23.	Furnish and Install 2 Submersible Pumps	1	LS	\$_____	\$_____
24.	Furnish and Install Lift Station Components in Wet Well and Valve Vault per Plans	1	LS	\$_____	\$_____
25.	Furnish and Install Watermain Connection	1	EA	\$_____	\$_____
26.	Furnish and Install 1" Backflow Preventer	1	EA	\$_____	\$_____
27.	Install 1" Water Meter (provided by City)	1	EA	\$_____	\$_____
28.	Furnish and Install Pressure Transmitter	1	EA	\$_____	\$_____
29.	Testing	1	LS	\$_____	\$_____
	SUBTOTAL, SANITARY SEWER & WATERMAIN				\$_____

ELECTRICAL

30.	FPL Service Replacement Cost / Electrical Service Conduit & Wire	1	LS	\$_____ delete_	\$_____ delete_
31.	Electrical Power and Control Conduit and Wire, Grounding	1	LS	\$_____	\$_____
32.	Service Meter can, Disconnects, Step Down Transformer	1	AL	\$ <u>16200.00</u>	\$ <u>16200.00</u>

33.	Duplex Station Control Panel Equipment	1	LS	\$ _____	\$ _____
34.	Bypass Pumping Temp Power + Temp Controls + Emergency Power	1	LS	\$ _____	\$ _____
35.	RTU Programming @ LS CP and Owner Central Computer	1	LS	\$ _____	\$ _____
36.	New RTU Antenna Tower, DFS RTU & Batt encl / Batt	1	LS	\$ _____	\$ _____
37.	Level Transducer, CGD, Backup HWL Float	1	LS	\$ _____	\$ _____
SUBTOTAL, ELECTRICAL					\$ _____

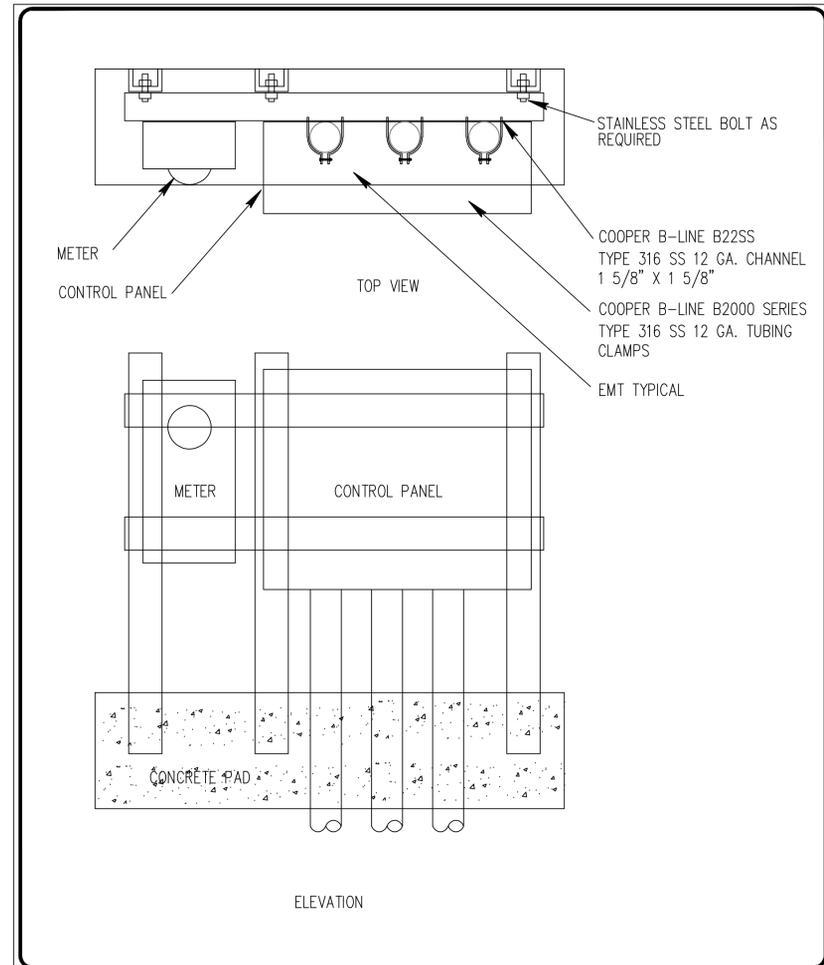
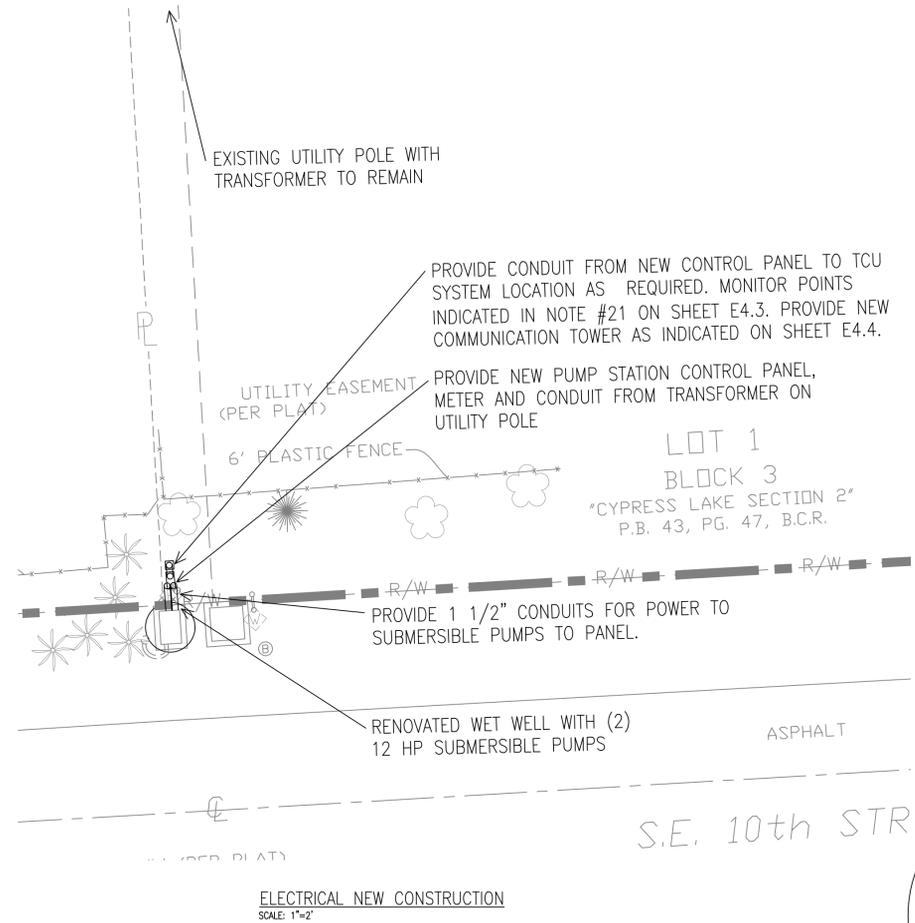
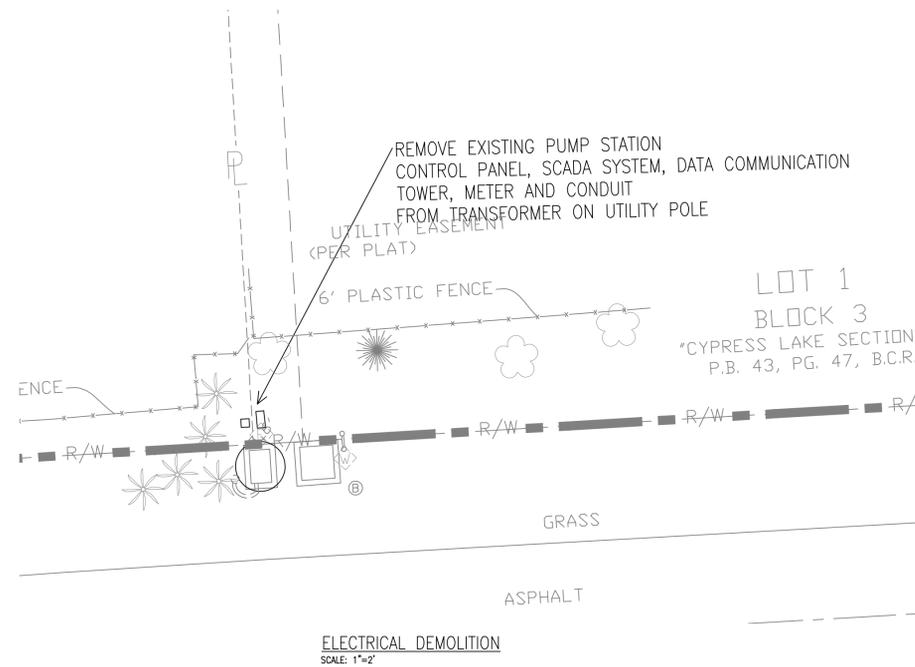
RESTORATION

38.	Stockpile or Remove Existing Limerock Base (8" Avg)	12	SY	\$ _____	\$ _____
39.	Stabilization of Subgrade (12" Avg)	12	SY	\$ _____	\$ _____
40.	Furnish and Compact Limerock Base Material (8" Avg)	12	SY	\$ _____	\$ _____
41.	Furnish and Install Sod (Match Existing Species)	12	SY	\$ _____	\$ _____
SUBTOTAL, RESTORATION					\$ _____

GRAND TOTAL

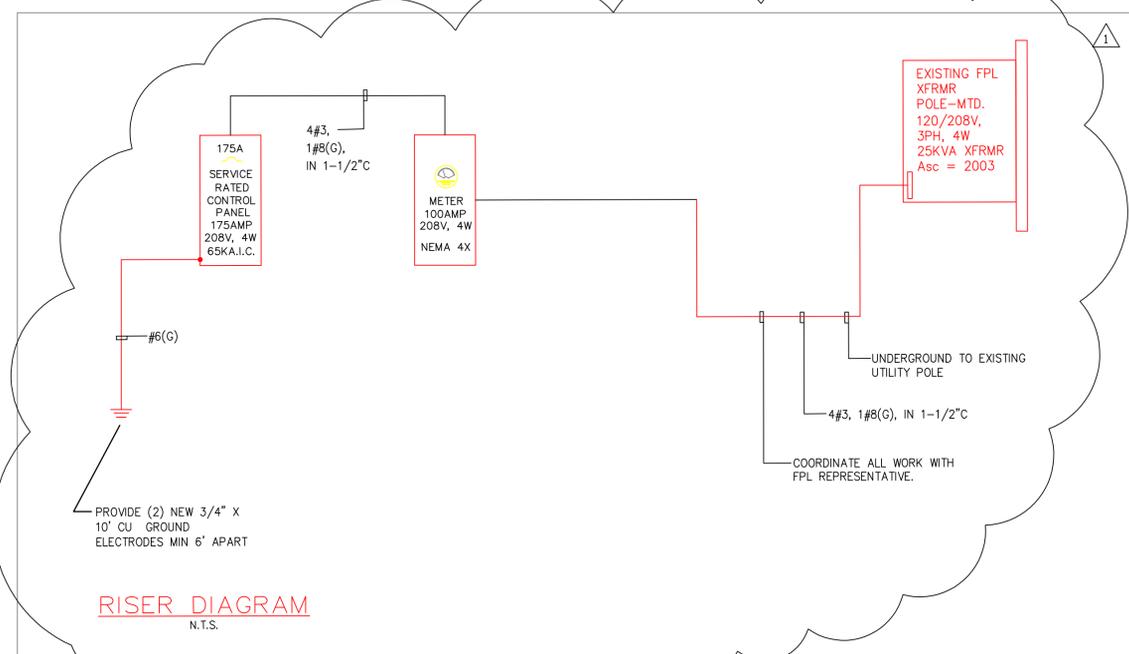
\$ _____

GRAND TOTAL in Words: _____



CONTROL PANEL / METER SUPPORT DETAIL

NOT TO SCALE



RISER DIAGRAM
N.T.S.



CITY OF POMPAÑO BEACH, BROWARD COUNTY, FL

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POMPAÑO BEACH, FL 33060



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815 NW 57th AVE, SUITE 402
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(305) 265-5400



MICHAEL ENGINEERS
MECHANICAL ELECTRICAL PLUMBING/PIPE PROTECTION
10000 W. BROWARD BLVD. SUITE 100
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P.O. BOX 120000
FORT LAUDERDALE, FL 33302
WWW.MICHAEL.COM

PUMP STATION #65 REHABILITATION
100% SUBMITTAL

DRAWING ISSUED

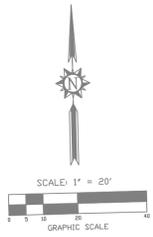
SUBMITTAL	No.	DESCRIPTION	DATE	BY
REVIEW	60 %			
REVIEW	90 %			
REVIEW	100 %			
PERMIT	#		06/12/11	TBL
REVISION	No.	DESCRIPTION	DATE	BY
1		CITY COMMENTS	6/15/12	

DESIGNED : VNW CHECKED : RBC
DRAWN : VNW FINAL CHECK BY : RBC

ROBERT B. CAINE, P.E.
STATE OF FLORIDA - LICENSE NO. 37637
DATE : AUGUST, 2011 SCALE : AS SHOWN

DWG TITLE: ELECTRICAL DEMOLITION/NEW CONST.

DWG No. E.3.0



THESE PLANS ARE NOT FINAL CONSTRUCTION DOCUMENTS UNTIL APPROVALS BY ALL PERMITTING AND JURISDICTIONAL AGENCIES HAVE BEEN OBTAINED. CONSTRUCTION WITHOUT SAID APPROVALS IS AT SOLE RISK TO CONTRACTOR. ENGINEER IS NOT RESPONSIBLE FOR CHANGES MADE DUE TO PERMITTING/JURISDICTIONAL DIRECTIONS, IF CONSTRUCTION PROCEEDS WITHOUT DUE AUTHORIZATION/APPROVALS.

(NOT PART OF BROWARD COUNTY NOTES NOR APPROVAL) DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.