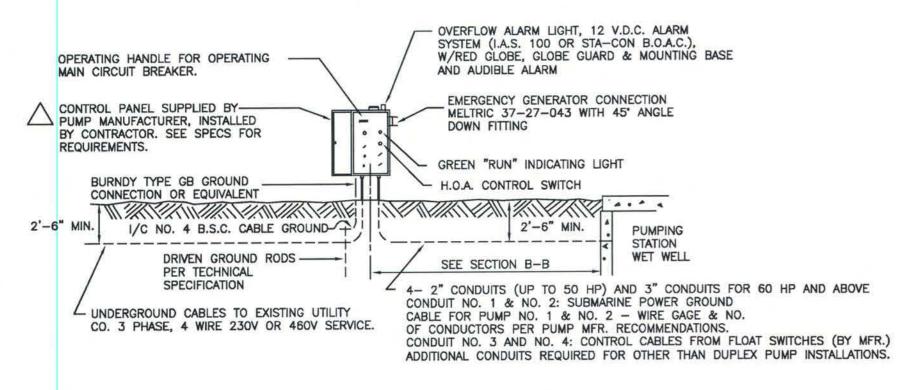


#### PINELLAS COUNTY ENCLOSURE SIZES

VOLTAGE	HORSEPOWER	ENCLOSURE SIZE	DUPLEX	VFD'S
230V/3PH	3HP	48" X 36" X 10"	Х	
230V/3PH	5HP	48" X 36" X 10"	Х	
230V/3PH	7.5HP	48" X 36" X 10"	Х	
230V/3PH	10HP	48" X 36" X 10"	Х	
230V3PH	15HP	60" X 60" X 12"	X	
230V/3PH	20HP	60" X 48" X 14"	X	Х
230V3PH	25HP	60" X 60" X 16"	Х	Х
230V/3PH	30HP	72" X 60" X 16"	Х	Х
230V/3PH	40HP	72" X 60" X 18"	Х	Х
230V/3PH	47HP	72" X 60" X 18"	Х	Х
480V/3PH	3HP	60" X 36" X 12"	Х	
480V/3PH	5HP	60" X 36" X 12"	Х	
480V/3PH	7.5HP	60" X 36" X 12"	Х	
480V/3PH	10HP	60" X 36" X 12"	Х	
480V/3PH	15HP	60" X 36" X 12"	Х	
480V/3PH	20HP	60" X 48" X 12"	Х	Х
480V/3PH	30HP	60" X 60" X 16"	Х	Х
480V/3PH	47HP	72" X 60" X 16"	Х	Х
480V/3PH	60HP	72" X 60" X 16"	Х	Х
480V/3PH	77HP	72" X 84" X 18"	Х	Х
480V/3PH	88HP	72" X 84" X 18"	Х	Х
230V/1PH	2.4HP	60" X 36" X 12"	Х	
230V/1PH	4.0HP	60" X 36" X 12"	Х	

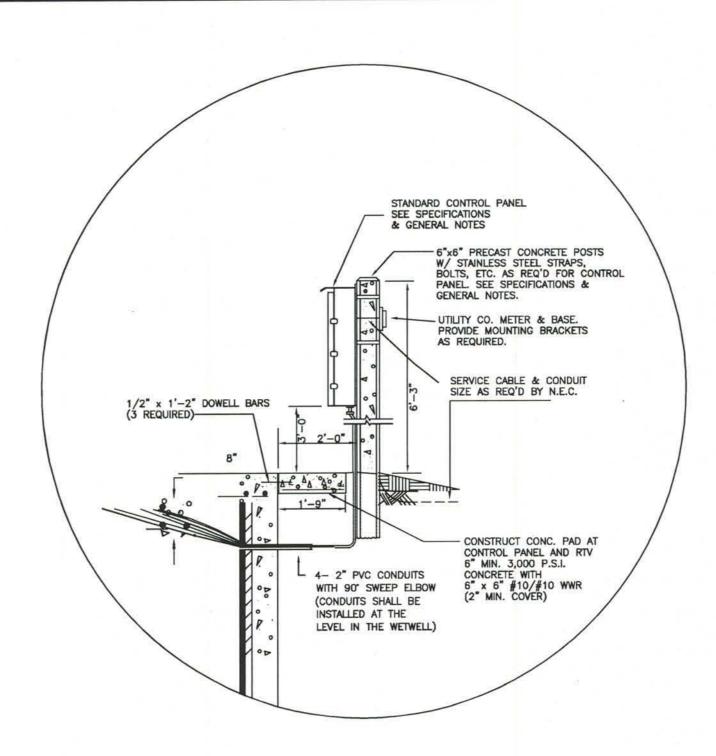
### PANEL ENCLOSURE SIZES

(CONTRACTOR TO VERIFY THE PANEL SIZE WITH THE PUMP SUPPLIER)

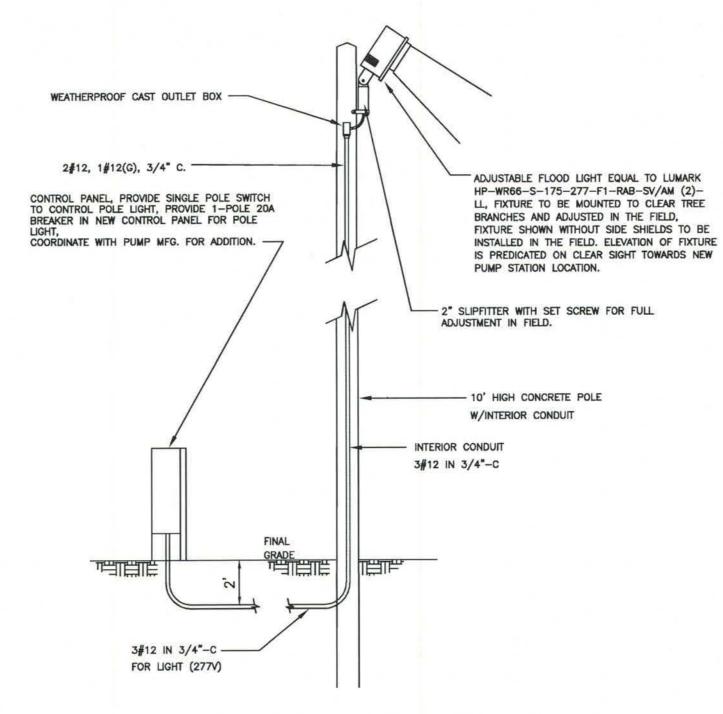


### ELECTRICAL SERVICE DETAILS

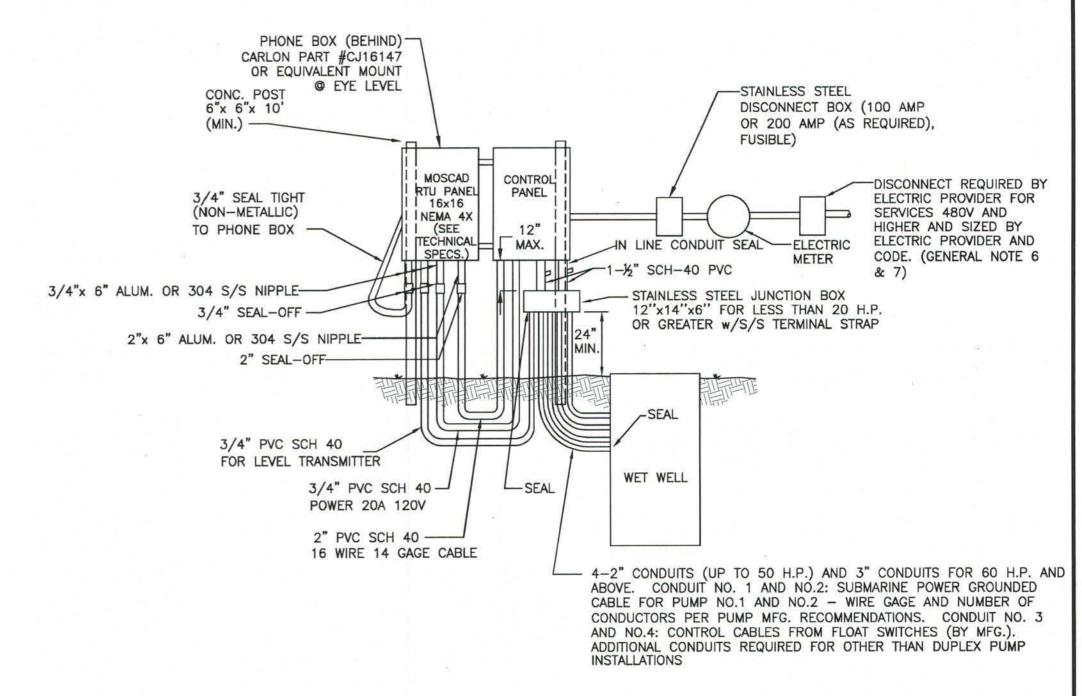
NOT TO SCALE



# CONTROL PANEL DEVICE WITH MAGNETIC STARTER



SERVICE LIGHT-DETAIL



## POLE MOUNTED ELECTRIC SCHEMATIC

CONDUIT SIMILAR FOR PEDESTAL MOUNT PANELS

NOT TO SCALE

### **ELECTRICAL GENERAL NOTES**

- CONTROL PANEL SHALL BE LOCATED DIRECTLY ADJACENT TO WET WELL, RAISED HATCH DOOR.
- SEE SPECIFICATIONS FOR CONTROL PANEL, SCADA AND DC ALARM SYSTEM REQUIREMENTS.
- 3. ELEC. WIRING SHALL BE STRANDED COPPER THHN.
- 4. A REMOVABLE GAS SEAL SHALL BE INSTALLED IN WIRING CONDUIT AT WET WELL AND TERMINAL STRIP JUNCTION BOX. CONDUIT FROM JUNCTION BOX TO CONTROL PANEL SHALL BE COMPLETELY SEALED.
- 5. ALL WIRING SIZES AND EQUIPMENT DIMENSIONS SHALL BE IN ACCORDANCE WITH N.E.C. AND MANUFACTURERS RECOMMENDATIONS.
- ON 480 VOLT APPLICATION, CONTRACTOR SHALL FURNISH PRE-METER DISCONNECT. (AS REQUIRED BY ELECTRIC PROVIDER) IN STAINLESS STEEL CABINET.
- 7. ELECTRIC PROVIDER REQUIRES SERVICE WIRES TO BE RUN FROM METER CAN TO POLE OR TRANSFORMER.
- 8. RELOCATION OF SCADA SYSTEM SHALL BE DONE BY CONTRACTOR.
- 9. MEYER HUB OR OTHER ENGINEER APPROVED REUSABLE, WATERPROOF FITTING SHALL BE INSTALLED WHERE ANY CONDUIT ENTERS
- 10. CONTROL PANELS SHALL BE POLE MOUNTED (6"x6'x10' CONC. POST), IN CONJUNCTION WITH RTU PANEL, ALL MOUNTING BRACKETS AND HARDWARE SHALL BE 304 STAINLESS STEEL OR PEDESTAL MOUNTED ON A REINFORCED CONC. SLAB. THE SIZE AND MOUNTING SHALL BE DEPENDENT UPON THE MANUFACTURER'S PANEL DESIGN AND SHOP DRAWING.

DESIGNED N/A

DRAWN A.M.P.

REV. NO. DATE DESCRIPTION REV. BY

DESIGNED N/A

DRAWN A.M.P.

CHECKED W.G.K.

Pinellas County UTILITIES Engineering

, P.E.

FLA. REG. NO .:

PINELLAS COUNTY UTILITIES ENGINEERING
PINELLAS COUNTY, FLORIDA

PROJECT:

DESCRIPTION

STANDARD PUMP STATION ELECTRICAL DETAILS SEPT. 21, 2006 JOB NO.:

SHEET: 2 OF 2