

GENERAL ELECTRICAL NOTES

1. SERVICE CONDUIT AND WIRE INDICATED IN SCHEDULE SHALL BE 100 FEET OR LESS. FOR LENGTHS GREATER THAN 100 FEET, PROVIDE FLORIDA REGISTERED ELECTRICAL ENGINEER'S DESIGN.
2. INTERRUPTING RATINGS OF ALL SHORT CIRCUIT AND GROUND FAULT PROTECTION EQUIPMENT SHALL BE PROVIDED AS PER THE DESIGN OF A FLORIDA REGISTERED ELECTRICIAN ENGINEER. A FAULT CURRENT LETTER FROM FPL SHALL BE PROVIDED.
3. FOR MOTOR HP NOT EQUAL TO NEC STANDARD SIZE, USE THE NEXT STANDARD SIZE RATING.
4. THE PREFERRED POWEWR SUPPLY FOR LIFT STATIONS SHALL BE 240V, 3PH, 4W.
5. GRINDER LIFT STATIONS (LESS THAN 2 HP) SHALL BE PROVIDED WITH AN AUTO DIALER SYSTEM AND REGULAR LIFT STATIONS (LARGER THAN 2 HP) SHALL BE PROVIDED WITH AN RTU SYSTEM.

SPECIFIC ELECTRICAL NOTES

- ① SPECIAL SERVICE VOLTAGE MAY BE PERMITTED BY PERMISSION OF THE CITY OF STUART. THE PREFERRED VOLTAGE FOR 15 HP AND LESS IS 230V, 3 ϕ , 4W.
- ② COORDINATE WITH ELECTRICAL UTILITY. PROVIDE REDUCED VOLTAGE STARTERS AS REQUIRED.
- ③ SPECIAL SERVICE VOLTAGE MAY BE PERMITTED BY PERMISSION OF THE CITY OF STUART. THE PREFERRED VOLTAGE FOR 20 HP AND GREATER IS 480V, 3 ϕ , 3W.
- ④ SPECIAL SERVICE VOLTAGE MAY BE PERMITTED BY PERMISSION OF THE CITY OF STUART. THE PREFERRED VOLTAGE FOR 3 HP AND LESS IS 230V, 3 ϕ , 4W.
- ⑤ FOR SMALL GRINDER PUMP STATIONS WHERE ONLY 1 ϕ , 240, 3W SERVICE IS AVAILABLE; PROVIDE CAPACITOR SYSTEM TO PROVIDE 3 ϕ POWER OUTPUT TO PUMPS.
- ⑥ CITY DOES NOT CURRENTLY USE 480V STANDBY PORTABLE GENERATORS. THEREFORE DIESEL ENGINE PUMPS OR LOCAL DIESEL STAND BY GENERATORS SHALL BE PROVIDED.
- ⑦ PROVIDE 120/240V, 3 ϕ , 4W, WITH GROUND, MALE RECEPTACLE, 100 AMP, PYLE NATIONAL PART NUMBER JRE4100, CONFIRM WITH CITY BEFORE CONSTRUCTION.
- ⑧ PROVIDE 120/240V, 3 ϕ , 4W, WITH GROUND, MALE RECEPTACLE, 200 AMP, RUSSELSTOLL PART NUMBER FCF3144, CONFIRM WITH CITY BEFORE CONSTRUCTION.
- ⑨ PROVIDE 120/240V, 1 ϕ , 3W, WITH GROUND, MALE RECEPTACLE, HUBBLE 8450A, CONFIRM WITH CITY BEFORE CONSTRUCTION.



STANDARD UTILITY DETAILS
City of Stuart Public Works Department
121 S.W. Flagler Avenue, Stuart, Florida 34994
(772) 288-5300

ELECTRICAL NOTES

DATE: OCTOBER 2016
FILE NAME: 2016 COS Std Details.dwg

SHEET NUMBER
60