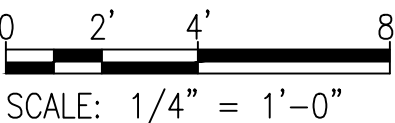




1. REFER TO DRAWINGS E0.01 FOR LEGEND AND ABBREVIATIONS AND E0.02 FOR DEFINITIONS AND GENERAL NOTES.
2. REFER TO DRAWING E5.01 FOR SINGLE LINE DIAGRAM.
3. REFER TO DRAWING E7.01 FOR FEEDER AND VFD DRIVE SCHEDULE AND DRAWING E7.02 FOR PANELBOARD SCHEDULES.
4. ALL VFD'S SHALL MEET IEEE 519 REQUIREMENTS WITH LESS THAN 5% THD ON VOLTAGE AND CURRENT AT POINT OF COMMON COUPLING.
7. ALL INTERIOR ELECTRICAL EQUIPMENT SHALL BE IN NEMA 3R ENCLOSURE, UON.
8. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE IN NEMA 4X ENCLOSURE, UON.
9. PROVIDE 2#12,1#12AWG GND IN 3/4" GRC TO CIRCUITS INDICATED FOR ALL RECEPTACLES, UON.
10. ALL RECEPTACLES IN ELECTRIC ROOM, MECHANICAL AND PUMP ROOMS SHALL BE GFCI, UON.
11. COORDINATE FINAL LOCATIONS OF DEVICES WITH OTHER TRADES
12. ALL TRANSFORMER WINDINGS SHALL BE COPPER, ALUMINUM TRANSFORMER WINDINGS ARE NOT PERMITTED.
13. ALL SWGR, PANEL BUS INCLUDING PHASE, NEUTRAL AND GROUND SHALL BE COPPER, ALUMINUM BUS ARE NOT PERMITTED.
14. ALL PUMP SAFETY SWITCHES MUST HAVE AUXILIARY CONTACTS. COORDINATE WITH INSTRUMENTATION DRAWINGS.

SHEET KEYNOTES

- | | | | |
|---|--|---|---|
| 1 | PROVIDE NEMA 5-20R, 125V, 20A, DUPLEX RECEPTACLE MOUNTED 18" AFF. EXTEND 2#12,1#12 GND IN 3/4" GRC TO CIRCUIT INDICATED. | 5 | PROVIDE 6#12,1#12 GND IN 3/4" GRC CONDUIT TO CIRCUIT INDICATED. |
| 2 | PROVIDE 120V, SINGLE PHASE, SINGLE POLE MANUAL STARTER AND SWITCH SQUARE D CLASS 2510 OR APPROVED EQUAL. | 6 | FAN CONTROL PANEL BY OTHERS, CONNECT POWER AS INDICATED ON INSTRUMENTATION DRAWING IO.10. |
| 3 | PROVIDE 3#12,1#12 GND IN 3/4" GRC CONDUIT TO CIRCUIT INDICATED. | | |
| 4 | DRY TYPE TRANSFORMER. SEE DRAWING E6.02 DETAIL D FOR GROUNDING DETAILS. | | |



1	3/10/20	ADDENDUM #1	
REV	DATE	DESCRIPTION	
	DRAWING		SHEET
	E3.03		61



Whitman, Requardt & Associates, LLP
1700 Kraft Dr, Suite 1200, Blacksburg, VA 24060

WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES:	KK
DRAWN:	KK
CHECK:	IHK
DATE:	1/24/20

SCALE:	1/4" - 1'-0"
HORIZ:	N/A
VERT:	N/A

CRYSTAL SPRING PUMP STATION RELOCATION

**ELECTRICAL ENLARGED
POWER PLAN**

DRAWING

E3.03

61