



NOTES:

1. AREA CLASSIFICATION:

- THE SWITCHGEAR ENCLOSURE AND INFLUENT PLANT PUMP STATION EQUIPMENT ENCLOSURE ARE CONSIDERED DUSTY LOCATIONS. ALL MATERIALS, EQUIPMENT AND INCIDENTALS SHALL MEET NEMA 12 REQUIREMENTS. ALL EXPOSED CONDUITS SHALL BE PVC COATED RIGID STEEL.
- THE PLANT INFLUENT PUMP STATION (BELOW GRADE & ABOVE GRADE) IS CONSIDERED A CLASS I, DIV 2 LOCATION. ALL MATERIALS, EQUIPMENT AND INCIDENTALS SHALL MEET NEMA 7 REQUIREMENTS. ALL EXPOSED CONDUITS SHALL BE PVC COATED RIGID STEEL. PROVIDE CONDUIT SEALING FITTINGS AS REQUIRED BY N.E.C..
- THE VALVE PAD AND ANY OUTDOOR AREA LOCATED 10'-0 OR MORE AWAY FROM THE INFLUENT PUMP STATION IS BE CONSIDERED A WET LOCATION. ALL MATERIALS, EQUIPMENT AND INCIDENTALS SHALL MEET NEMA 4X REQUIREMENTS. ANY OUTDOOR AREA LOCATED WITHIN 10'-0" OF THE INFLUENT PUMPS SHALL BE CONSIDERED A CLASS I, DIV 2 LOCATION AND CONFORM TO THE REQUIREMENTS AS STATED IN NOTE #2b ABOVE.

- LOCAL DEVICE TO CONVEYORS #1 AND #2 (MOTION SENSORS, EMERGENCY PULL CORDS AND MISALIGNMENT SWITCH) ARE NOT SHOWN FOR CLARITY. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE DEVICES WITH THE EQUIPMENT VENDOR. FOR CONDUIT AND WIRE REQUIREMENTS SEE ONE LINE DIAGRAM ON SHEET E-22.

- CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING AND DEWATERING AS NECESSARY FOR THE INSTALLATION OF UNDERGROUND DUCT BANKS AROUND EXISTING STRUCTURES, PIPING, DUCT BANKS AND OTHER OBSTRUCTIONS. SEE SPECIFICATION SECTION 02207 AND 02390 FOR REQUIREMENTS. COORDINATE SHEETING, SHORING AND DEWATERING FOR DUCT BANKS WITH SHEETING SHORING AND DEWATERING REQUIREMENTS FOR STRUCTURES.

- CONTRACTOR SHALL STUB UP SPARE 3/4" CONDUIT AND CAP FOR FUTURE FLOW TRANSMITTER FIT-101.

- PROVIDE CONDUIT SEAL FITTINGS FOR ALL UNDERGROUND CONDUITS THAT STUB-UP IN SWITCHGEAR SG-3 AND IN PLANT INFLUENT PUMP STATION EQUIPMENT ENCLOSURE.

PLANT INFLUENT PUMP STATION

PLAN AT EL. 905.50

(SCALE: 3/16"=1'-0")
(SEE SHEET E21A)



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REVISIONS				REMARKS
NO.	BY	DATE		
1	ARB	JAN. 2000		RECORD DRAWING

DES -- GJM
DWN -- GJM
CKD -- TK



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

PLANT INFLUENT PUMP STATION
POWER AND LIGHTING PLAN

SCALE: AS NOTED

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E SHEET 21 OF 36

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