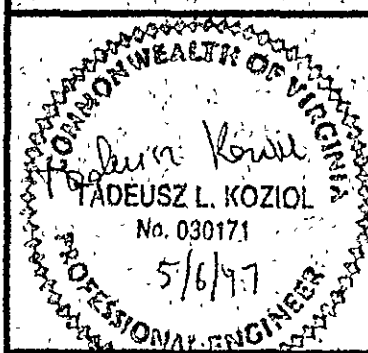


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**MALCOLM
PIRNIE**
11692 Rook Landing Drive, Suite 400
Newport News, Virginia 23608

REVISIONS				DES	GJM
NO.	BY	DATE	REMARKS		

DES: GJM
DWN: GJM
CKD: TK

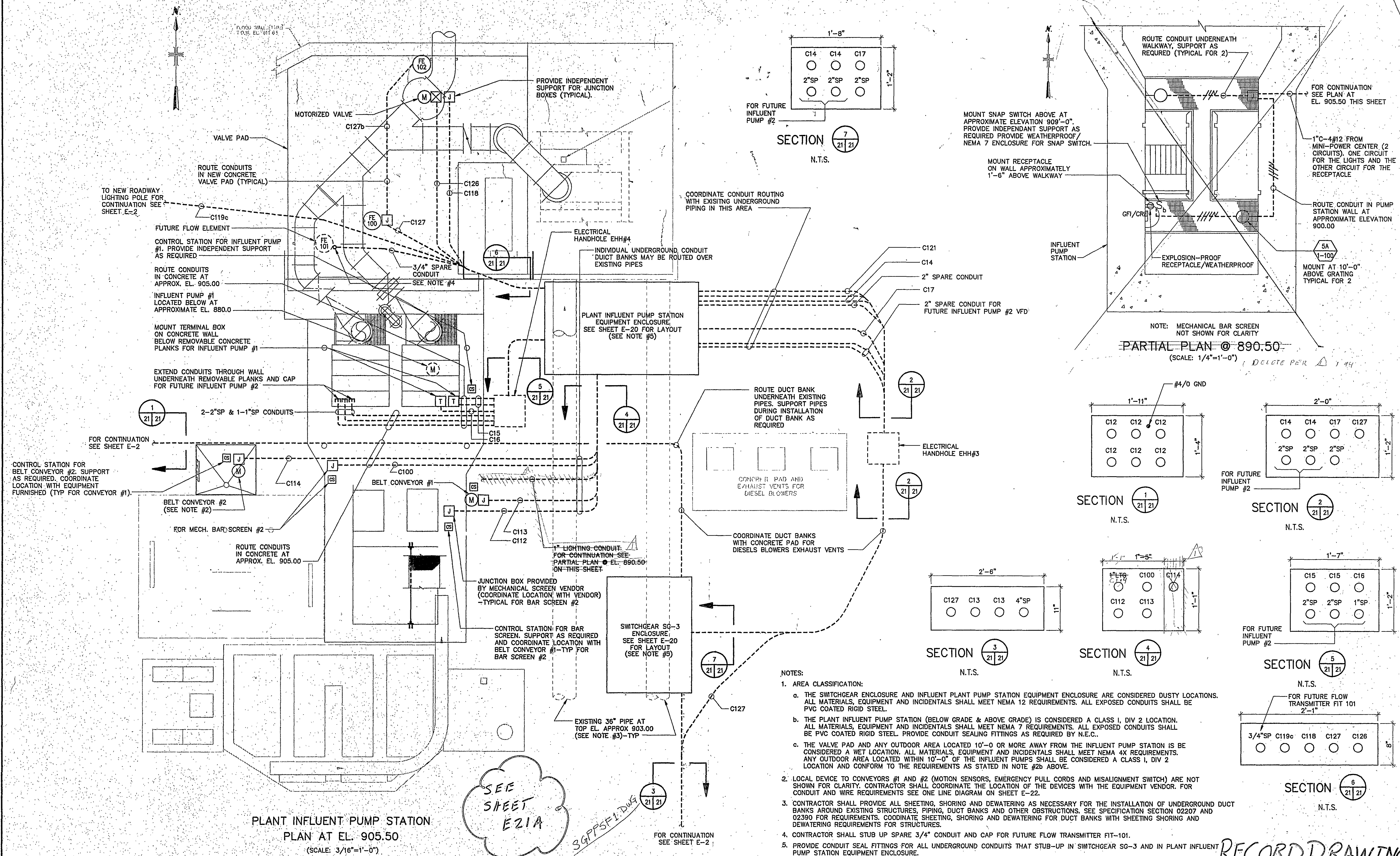


CITY OF ROANOKE, VIRGINIA WATER POLLUTION CONTROL PLANT UPGRADE AND EXPANSION

PLANT INFLUENT PUMP STATION POWER AND LIGHTING PLAN

SCALE: AS NOTED

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DATE: MAY 1997
E SHEET 21 OF 36
CAD REF. NO. 0060E696



- NOTES:
- 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.

RECORD DRAWING