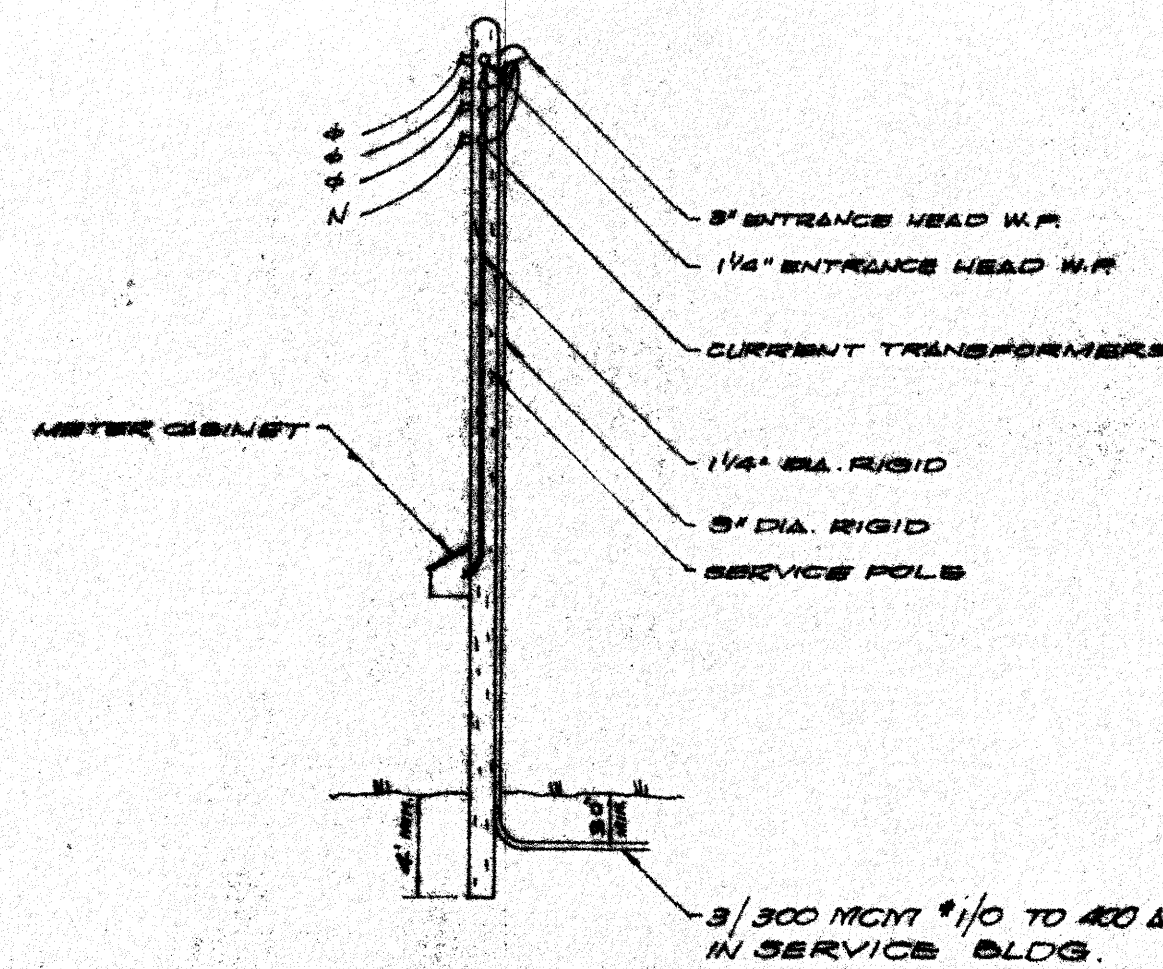




SERVICE DROP & ENTRANCE DETAIL

FROTH CONTROL PUMP - 7.5 HP, 240V, 60 CYCLE - 3450 RPM - PROVIDE A PUSH-BUTTON STATION WITH LOCK-OUT DEVICE - NEMA 4 ENCL. CUTLER-HAMMER #10250H MARKED "STOP" OR EQUAL. MOUNT ON 4" U LAG BOLT TO WALL.

SLUDGE PUMP TO STORAGE - 5 HP, 240V, 3PH, 1750 RPM - PROVIDE A 3 POLE TYPE RB, 30 AMP TUMBLER SWITCH - G.E. #TC 25GB-C IN NEMA 4 ENCLOSURE MOUNT ON 4" U LAG BOLT TO CONC.

ALTERNATE LIFT STATION 18 K.W. TOTAL CONN. LOAD - RUN RACEWAY TO J.B. ON ENTRANCE TUBS. SEE DWG. NO. TP-11 FOR LIFT STATION WITH FACTORY ASSEMBLED PRE-WIRED CONTROL PANEL. ABOVE APPLICABLE ONLY FOR ABOVE GRADE CONSTRUCTION.

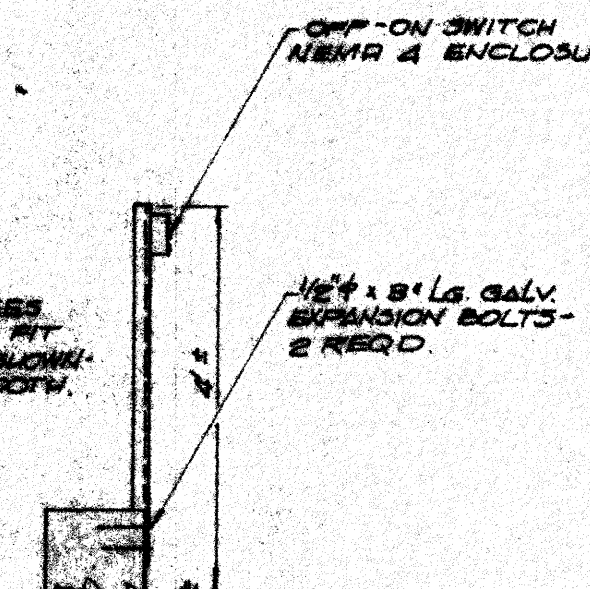
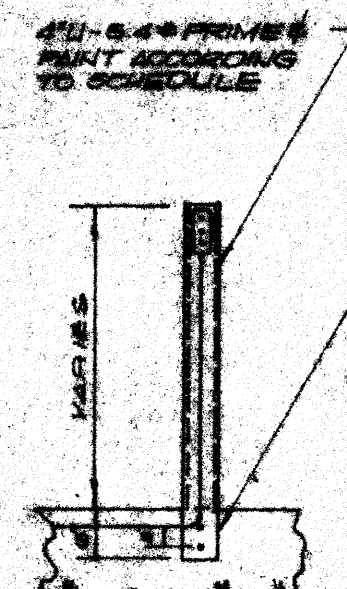
GRIT REMOVAL - CONVEYOR DRIVE - 1 HP, 240V, 3PH, 1750 RPM - PROVIDE A 3 POLE TYPE RB, 30 AMP TUMBLER SWITCH - G.E. #TC 25GB-C IN NEMA 4 ENCL. MOUNT ON 4" U LAG BOLT TO CONC. FOUNDATION.

GRIT REMOVAL - BLOWER - 1 HP, 240V, 3PH, 1750 RPM - PROVIDE A 3 POLE TYPE RB, 30 AMP TUMBLER SWITCH - G.E. #TC 25GB-C IN NEMA 4 ENCL. MOUNT ON 4" U LAG BOLT TO CONC. FOUNDATION.

COMMINUTOR - 1.5 HP, 240V, 3PH, 1750 RPM - PROVIDE A 3 POLE TYPE RB, 30 AMP TUMBLER SWITCH - G.E. #TC 25GB-C IN NEMA 4 ENCL. MOUNT ON 4" U LAG BOLT TO CONC. FOUNDATION.

SELF CHROMOFLOW TRANSMITTER - EX. T.F. MOUNT OVER STILLING WELL OF MARSHALL FLUME. PROVIDE 30 AMP TUMBLER SWITCH SINGLE POLE - G.E. #TC 25GB-C IN NEMA 4 ENCL. MOUNT ON 4" U LAG BOLT TO CONC.

TRANSMITTER CONDUIT TO RECEIVER IN SERVICE BUILDING



TYPE OFF-ON CONTROL INSTALLATION AT UNIT

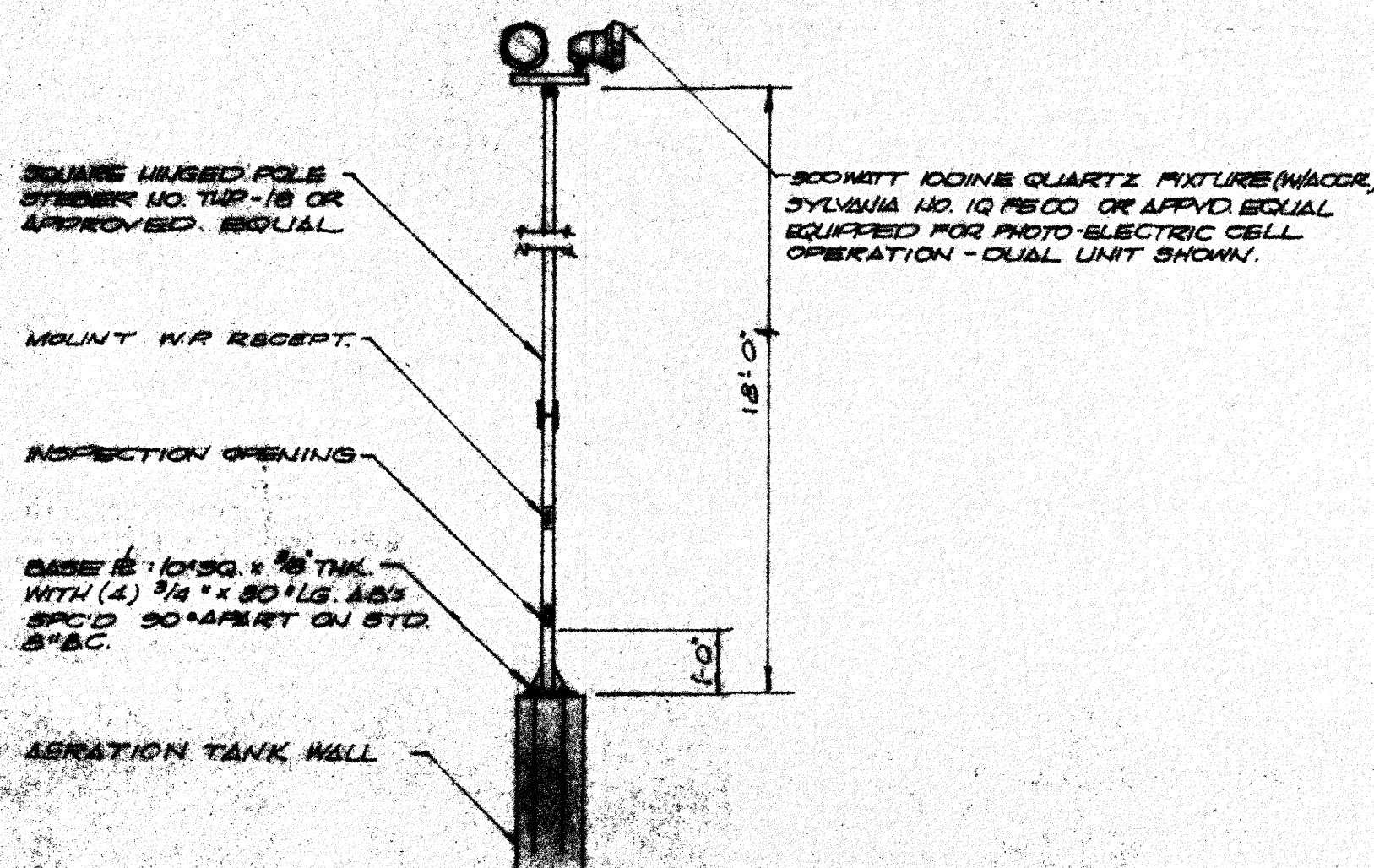
1 - SLUDGE COLLECTOR DRIVE - 1/2 HP, 240V, 3PH, 1750 RPM - PROVIDE A 3 POLE TYPE RB, 30 AMP TUMBLER SWITCH - G.E. #TC 25GB-C IN NEMA 4 ENCL. MOUNT ON 4" U LAG BOLT TO CONC.

2 - SLUDGE RETURN PUMPS - 3 HP EACH - 240V, 3PH, 1750 RPM - PROVIDE A PUSH-BUTTON STATION WITH LOCK-OUT DEVICE - NEMA 4 ENCL. CUTLER-HAMMER #10250H - MARKED "STOP" OR EQUAL. INSTALL ON 4" U LAG BOLT TO CONC.

1 CHLORINATOR PUMP - 1 HP, 240V, 3PH, PROVIDE A 3 POLE N.F. 30 AMP SAFETY SWITCH, NEMA 3R, MOUNT 4.5' ABOVE FLOOR ON WALL. ALTERNATE ALARM HORN - ENERGIZED FROM LIFT STATION CONTROL PANEL AT OVER FLOW CONDITIONS AND PUMP FAILURE. VAPOR-PROOF STEBER VP-150 OR EQUAL.

FEEDER TO 400 AMP MAIN - 1-5/10 AWG - THW 3-300 MCM - THW 3" CONDUIT - BURY 30" B.S.

INSTALL SERVICE POLE AND C.T.'S TO MEET AEPD REQUIREMENTS - METER BY POWER COMPANY.



TYPICAL FLOODLIGHT ASSY

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- ELECTRICAL PLANS ARE DIAGRAMMATIC. SIZES AND DIMENSIONS INDICATED ARE MINIMUM.
- BIDDERS ARE REQUESTED TO VISIT SITE TO NOTE EXISTING CONDITIONS, AND TO REFER TO THE COMPLETE SPECIFICATIONS FOR THE PROJECT.
- BIDDERS SHALL VERIFY LOCAL CODE REQUIREMENTS PRIOR TO BID SUBMITTAL AND SHALL INCLUDE ALL COSTS FOR COMPLETE COMPLIANCE WITH SAME.
- BIDDERS ARE CAUTIONED TO REVIEW THE COMPLETE PLANS AND SPECIFICATIONS FOR DETAILS OF CONSTRUCTION: HEADROOM, ROOM FINISHES, LOCATION OF EQUIPMENT AND FOR RELATED AND ADJOINING WORK.
- ALL RACEWAYS SHOWN TO BE RUN UNDERGROUND.
- LOCATION OF RACEWAYS SHOWN ARE APPROXIMATE, AND ARE INDICATED ONLY TO SHOW THE PURPOSE OF THEIR USE.
- FOR SERVICE BUILDING LIGHTING SEE BUILDING DWG. NO. TP-7.

ELECTRICAL PLOT PLAN
SCALE: 1" = 10'

PREPARED BY
J. A. GUSTIN & ASSOCIATES
CONSULTING ENGINEERS
MARTINSVILLE, VIRGINIA

FERRUM WATER AND SEWERAGE AUTHORITY

WASTE TREATMENT PLANT FACILITY

ELECTRICAL PLOT PLAN

DATE	APPROVED BY	DRAWING NUMBER
10-15-68	J. A. G.	EP-1

DATE	REVISIONS
10-15-68	1