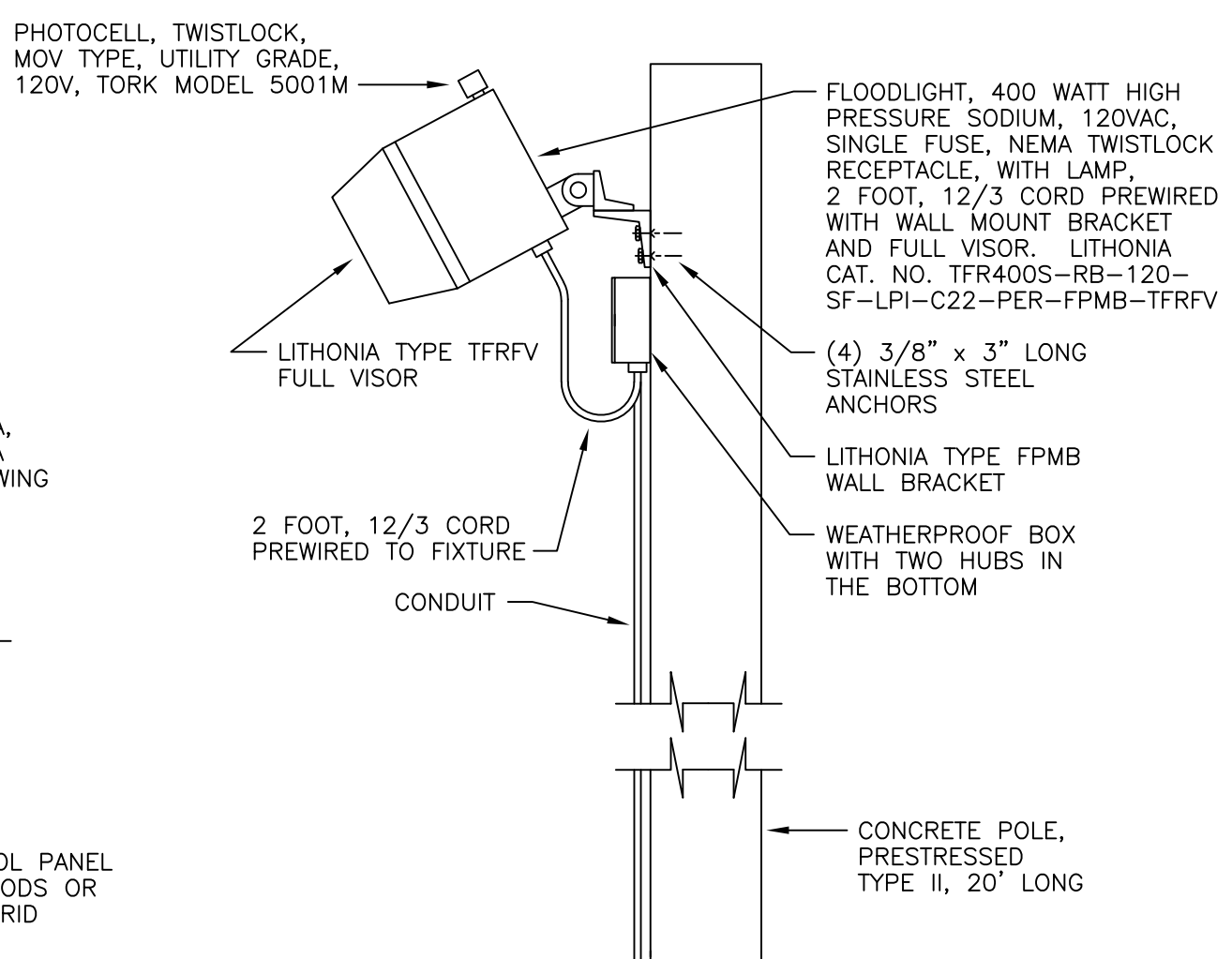


TYPICAL CONTROL PANEL WITH ELECTRICAL METER ON EQUIPMENT RACK

- NOTES:
1. ELECTRIC METER AND PRIMARY DISCONNECT MOUNTED TO STAINLESS STEEL UNISTRUT ON BACK SIDE OF EQUIPMENT RACK.
 2. EMERGENCY GENERATOR RECEPTACLES: RUSSELL & STOLL, JRSB 1044FR (100 amp), 2044FR (200 amp).
 3. ALL POWER AND CONTROLS WIRING SHALL BE CONTINUOUS (NO SPLICES).
 4. PANEL MOUNTED TO STAINLESS STEEL UNISTRUT BY WELDED TABS ON PANEL.
 5. SERVICE DISCONNECT SWITCH, NEMA 3R STAINLESS STEEL OR NON-METALLIC ENCLOSURE, FUSIBLE, SERVICE ENTRANCE RATED WITH NEUTRAL BAR, GROUND BAR AND BONDING PER N.E.C. 250-28. ALL SWITCH HARDWARE SHALL BE STAINLESS STEEL.
 6. THE CONTRACTOR SHALL VERIFY THE POWER SERVICE AVAILABLE FROM THE POWER COMPANY AND COORDINATE THE LIFT STATION CONTROL PANEL AND ALL OTHER EQUIPMENT WITH THE AVAILABLE SERVICE PRIOR TO THE PURCHASE OF ANY EQUIPMENT. IF THE POWER SERVICE AVAILABLE IS A 230/120V HIGH-LEG SERVICE, THE CONTRACTOR SHALL INSURE THAT THE 120V LOADS IN THE LIFT STATION CONTROL PANEL ARE NOT CONNECTED TO THE HIGH-LEG.

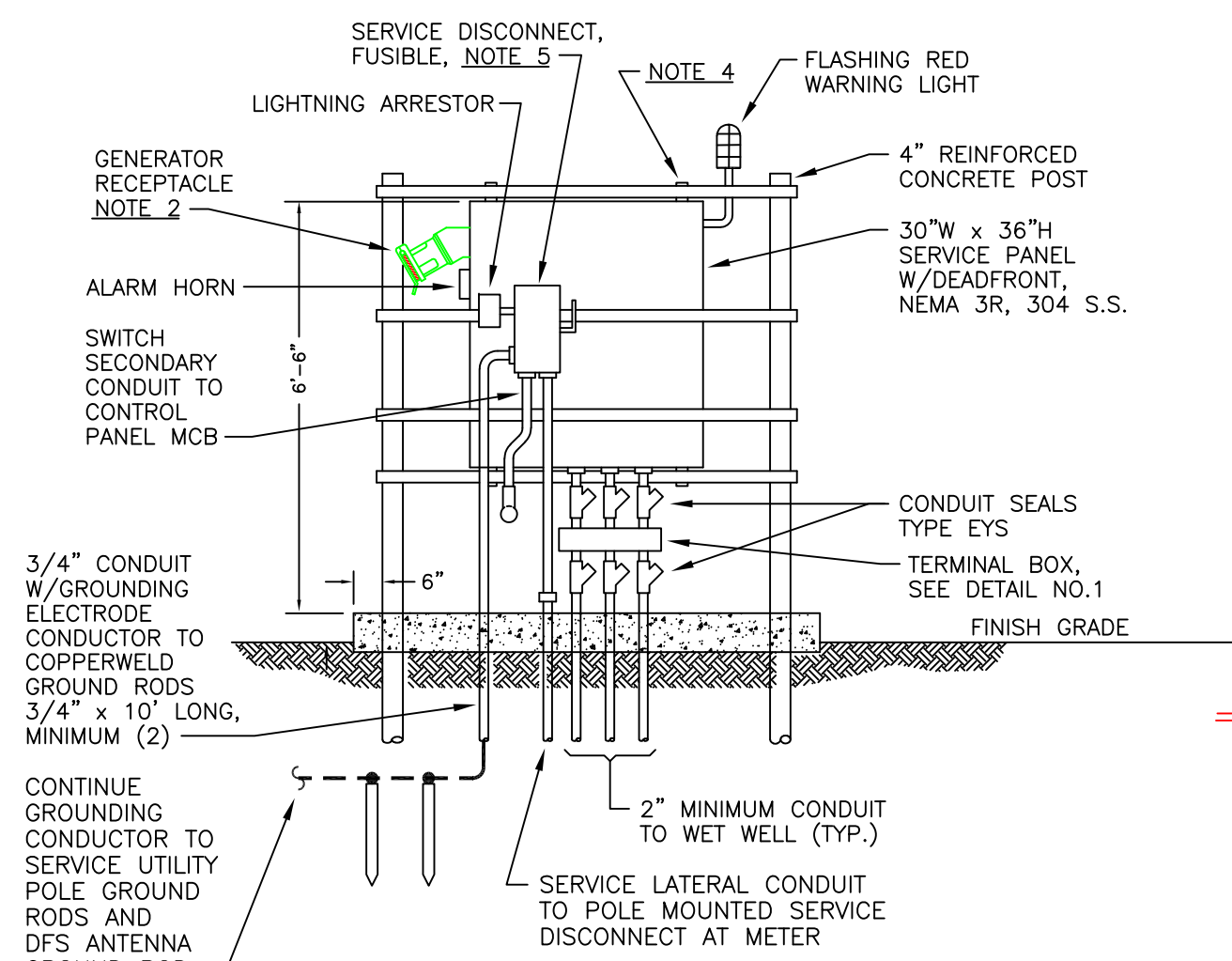
REQUIRED LIFT STATION ELECTRICAL DATA

SERVICE SIZE	_____ AMPS	_____ VOLTS	_____ PHASE	_____ WIRE
AVAILABLE SHORT CIRCUIT AMPS FROM UTILITY CO.	_____ SCA			
OVER CURRENT PROTECTION EQUIPMENT INTERRUPTING CAPACITY	_____ AIC			



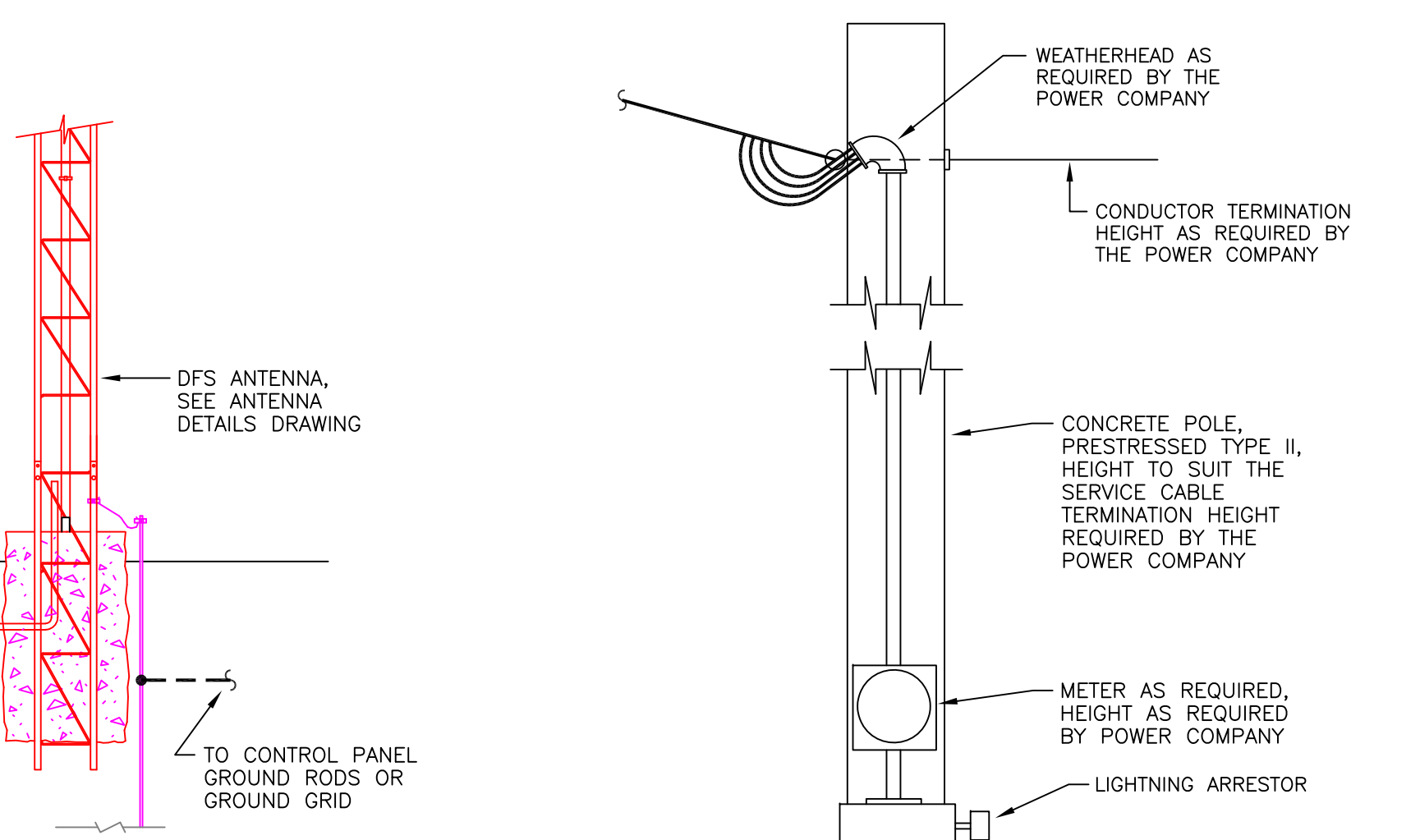
LIGHT POLE

NOTE: THE LIGHT POLE MUST BE PLACED TO WHERE THE LIGHT SHINES INTO THE FRONT OF CONTROL PANEL AND ILLUMINATES THE ENTIRE STATION AREA. THE LIGHT POLE MAY BE OMITTED IF THE STATION HAS A SERVICE UTILITY POLE WHERE THE FLOOD LIGHT CAN BE MOUNTED AND THE POLE IS LOCATED WHERE THE STATION WILL BE ILLUMINATED AS DESCRIBED ABOVE.

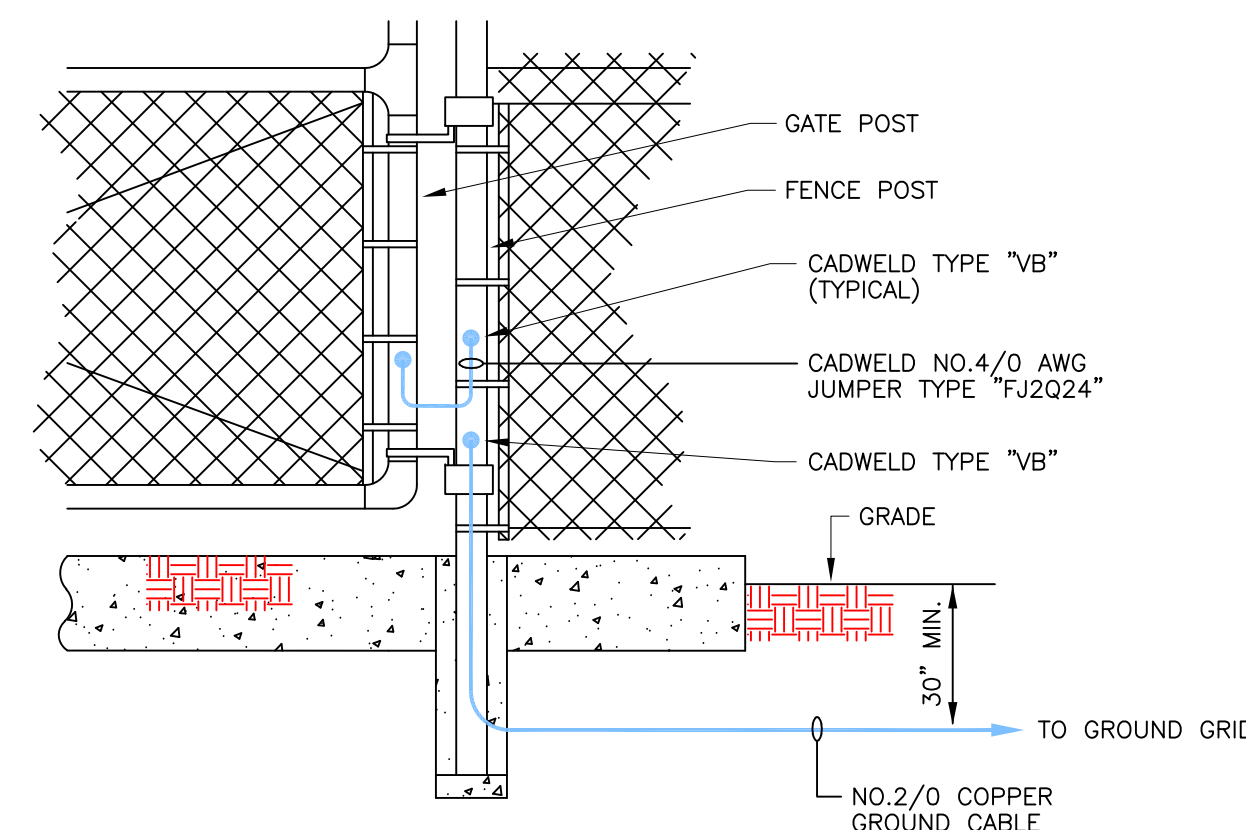


TYPICAL CONTROL PANEL WITH ELECTRICAL METER ON UTILITY POLE

- NOTES:
1. ELECTRIC METER AND PRIMARY DISCONNECT MOUNTED TO STAINLESS STEEL UNISTRUT ON BACK SIDE OF EQUIPMENT RACK.
 2. EMERGENCY GENERATOR RECEPTACLES: RUSSELL & STOLL, JRSB 1044FR (100 amp), 2044FR (200 amp).
 3. ALL POWER AND CONTROLS WIRING SHALL BE CONTINUOUS (NO SPLICES).
 4. PANEL MOUNTED TO STAINLESS STEEL UNISTRUT BY WELDED TABS ON PANEL.
 5. PRIMARY DISCONNECT SWITCH, NEMA 3R STAINLESS STEEL OR NON-METALLIC ENCLOSURE, FUSIBLE, WITH NEUTRAL BAR AND GROUND BAR. ALL SWITCH HARDWARE SHALL BE STAINLESS STEEL.
 6. THE CONTRACTOR SHALL VERIFY THE POWER SERVICE AVAILABLE FROM THE POWER COMPANY AND COORDINATE THE LIFT STATION CONTROL PANEL AND ALL OTHER EQUIPMENT WITH THE AVAILABLE SERVICE PRIOR TO THE PURCHASE OF ANY EQUIPMENT. IF THE POWER SERVICE AVAILABLE IS A 230/120V HIGH-LEG SERVICE, THE CONTRACTOR SHALL INSURE THAT THE 120V LOADS IN THE LIFT STATION CONTROL PANEL ARE NOT CONNECTED TO THE HIGH-LEG.



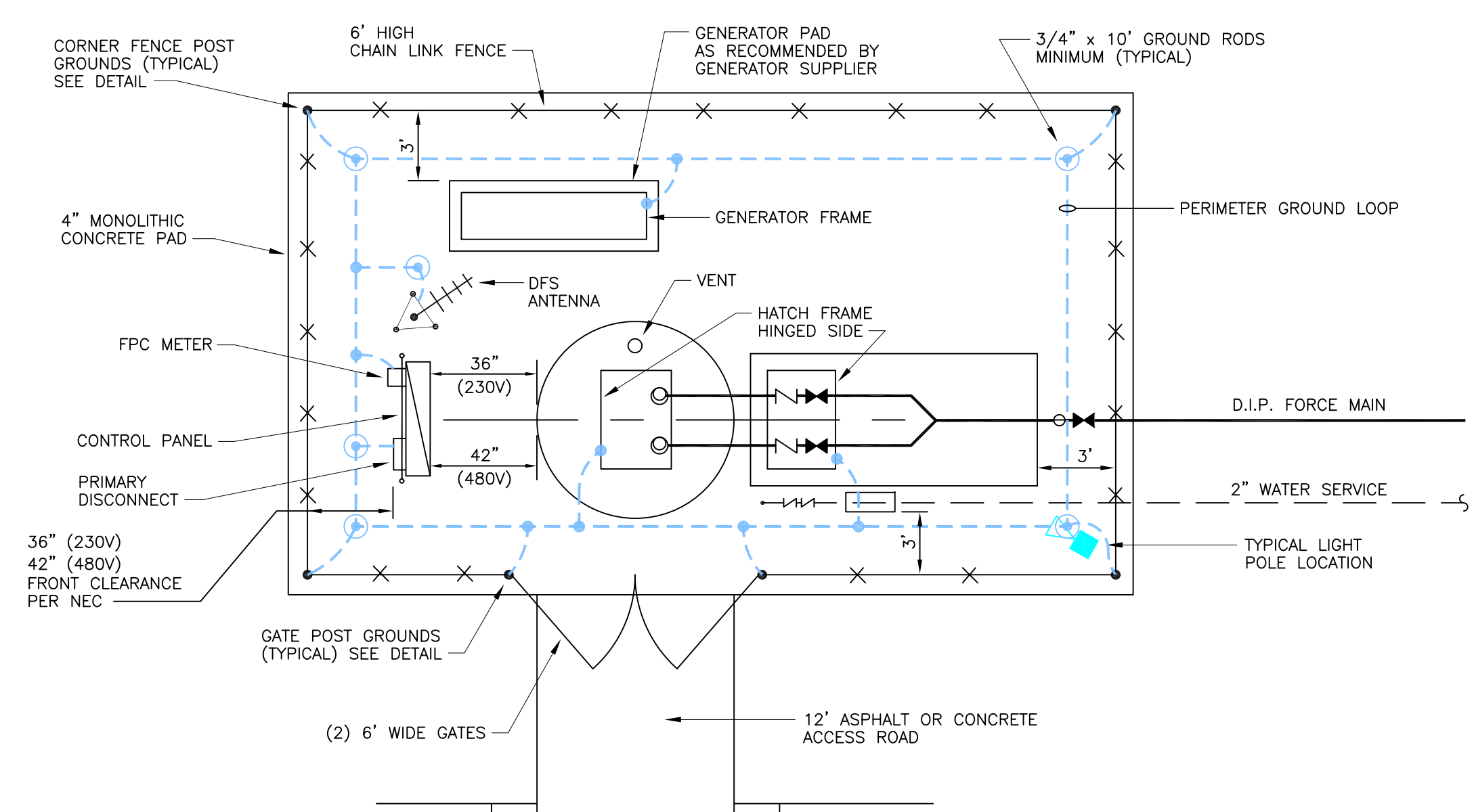
AERIAL FEED POWER POLE



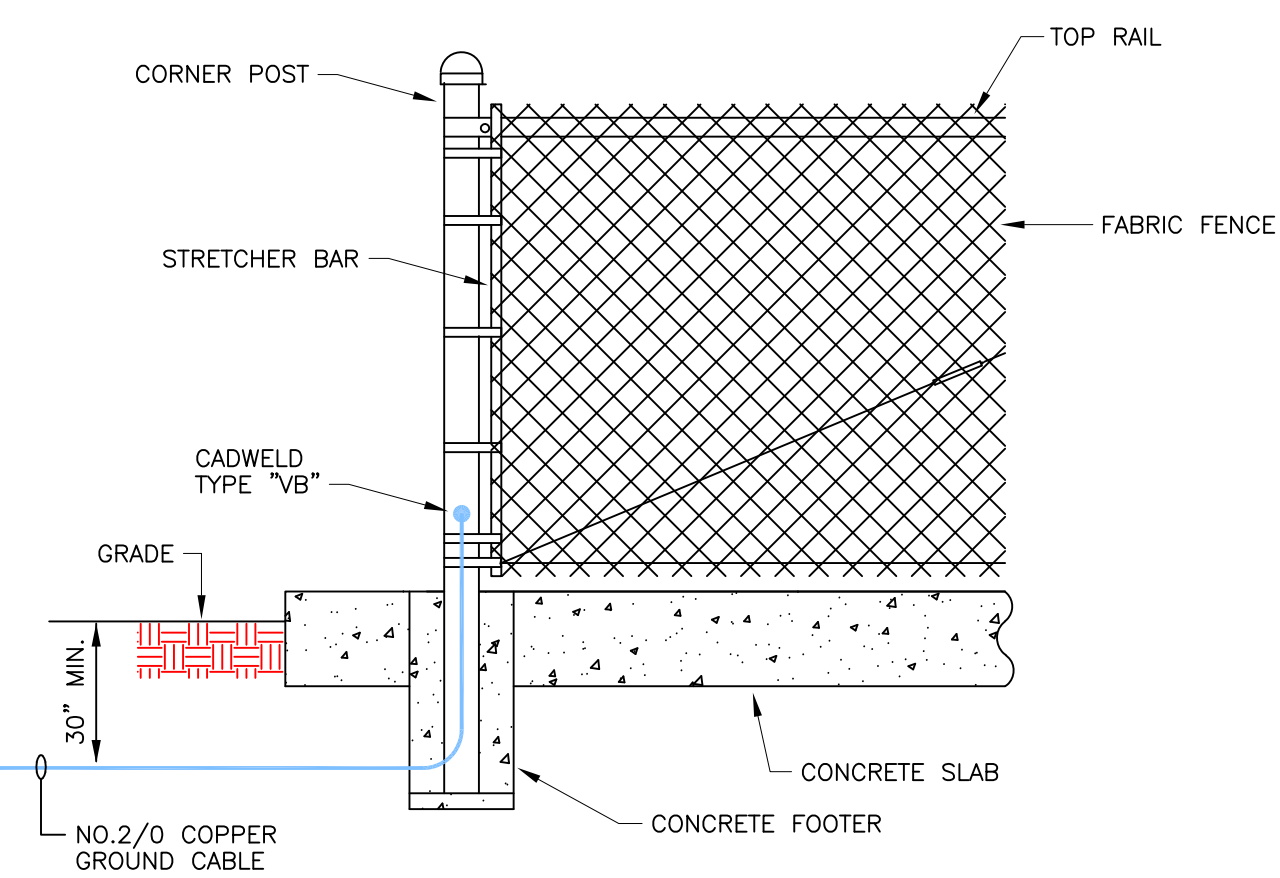
TYPICAL GATE GROUNDING DETAIL N.T.S.

GROUNDING NOTES:

1. GROUNDING INSTALLATION SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND SUCH LOCAL CODES WHICH HAVE PRECEDENCE.
2. LOCATION OF GROUNDING LOOP IS SHOWN DIAGRAMATICALLY. EXACT LOCATION TO MAINTAIN CLEARANCE FROM FOOTERS SHALL BE DETERMINED IN THE FIELD.
3. PROVIDE 3/4\"/>



TYPICAL LIFT STATION GROUNDING PLAN N.T.S.



CHAIN LINK FENCE CORNER POST GROUNDING DETAIL N.T.S.

ISSUE CODE NCH 11-08-22

CITY OF LAKE WALES
151 EAST CENTRAL AVE. LAKE WALES, FLORIDA 33853

ISSUE CODE	A PRELIMINARY	B DESIGN
C BIDS	D CONSTRUCTION	E APPROVAL
DESIGN: AND	CHK'D BY:	SCALE: NONE
DRAWN BY: JHH-34243	DATE: 9/1/07	
DRAWING TITLE		
LIFT STATION ELECTRICAL DETAILS		
JOB NO. _____		
WASTEWATER ELECTRICAL DETAILS		
AREA	CITY-OF-LAKE-WALES	REV.