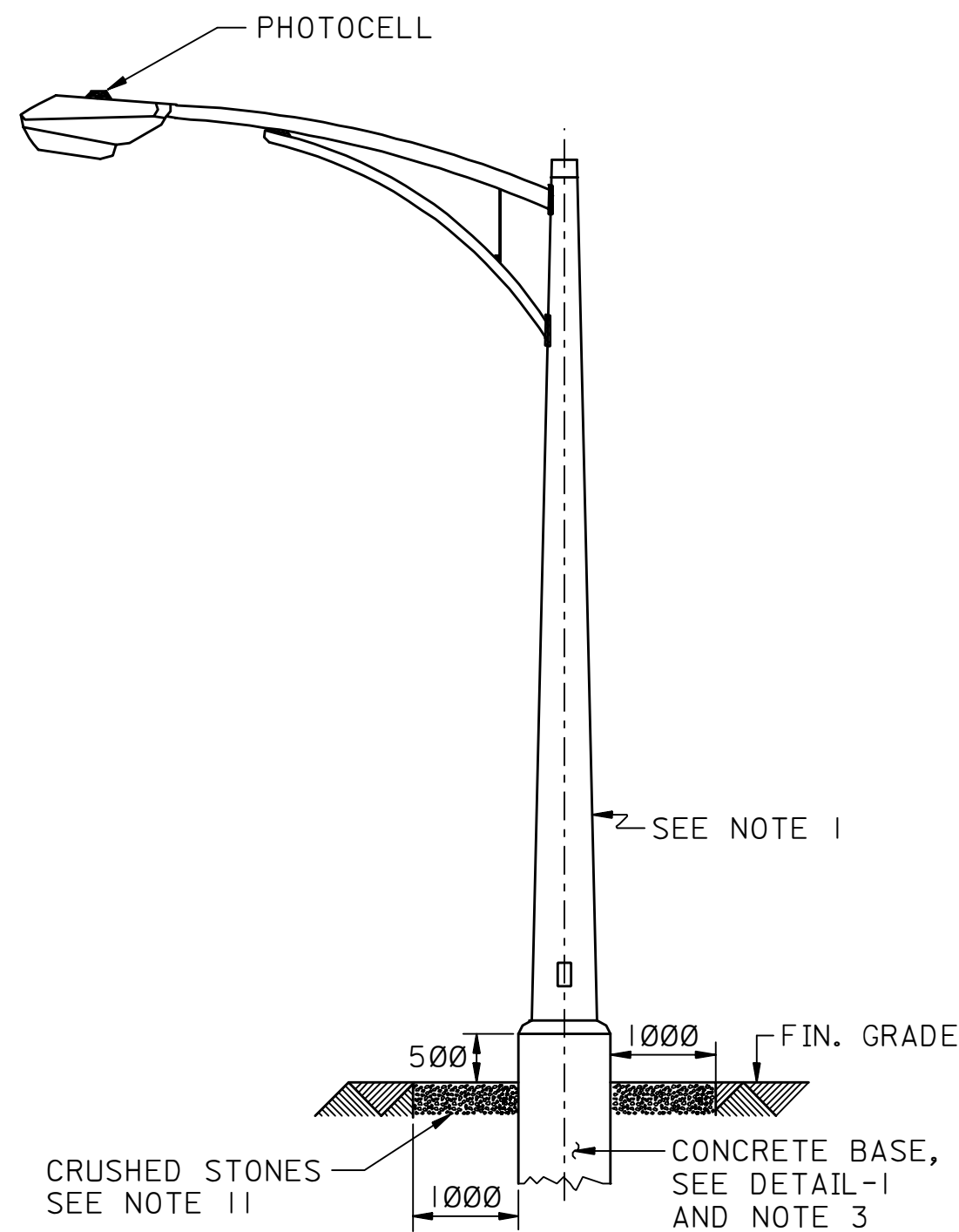
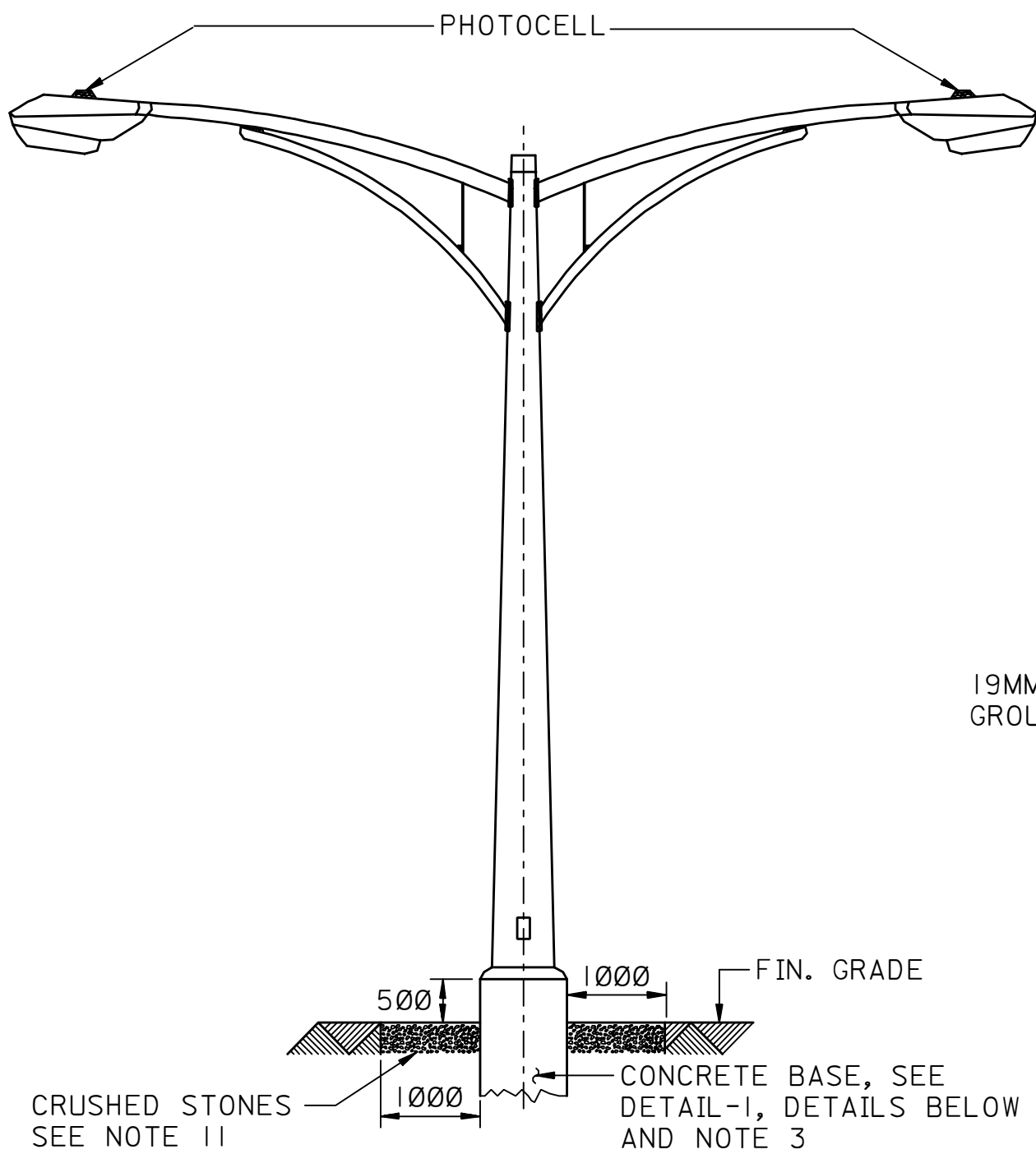


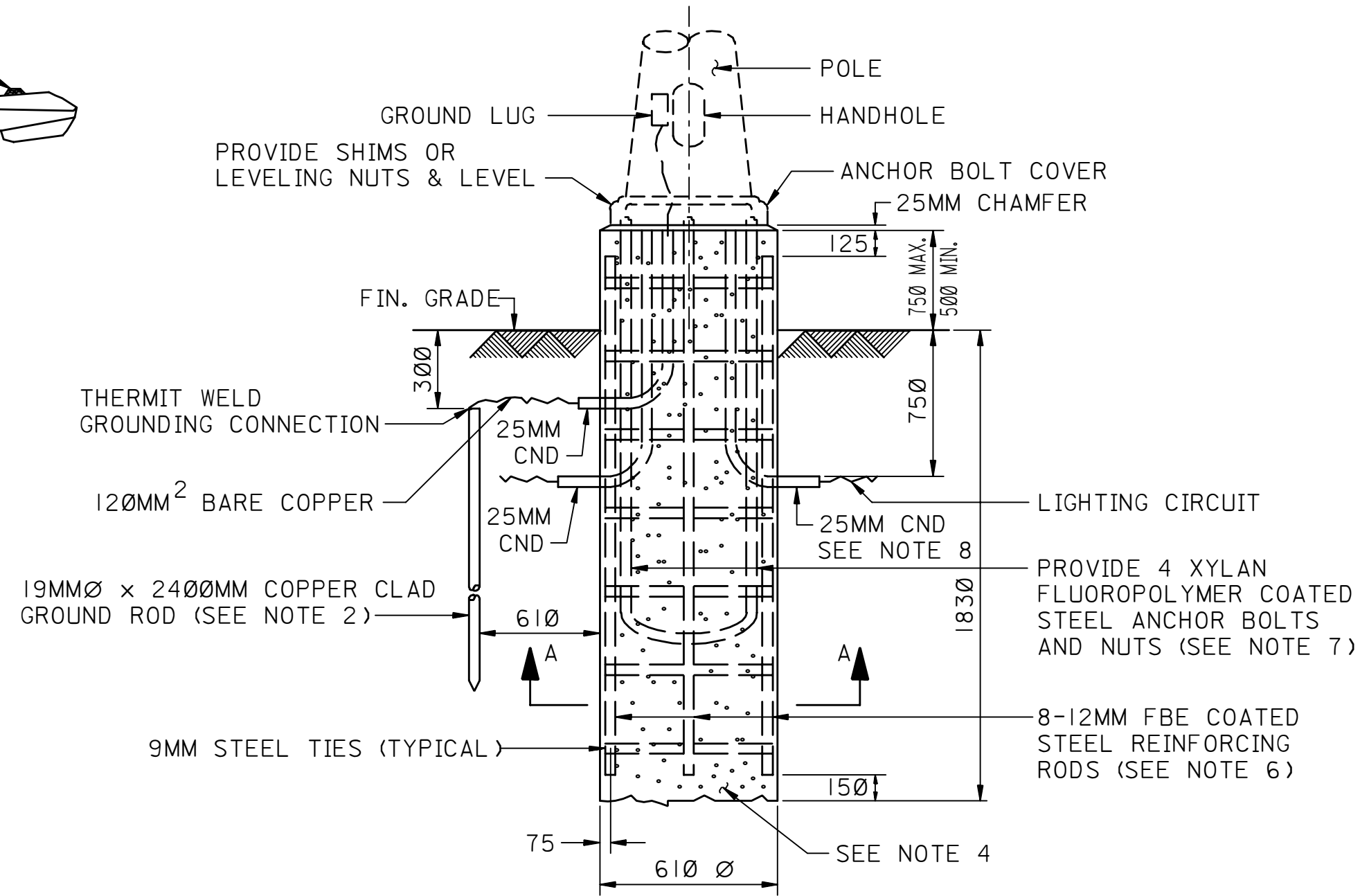
01	001	86393098	P	990	066
REV. NO.	SHT. NO.	DRAWING NUMBER	INDEX	PLANT NO.	



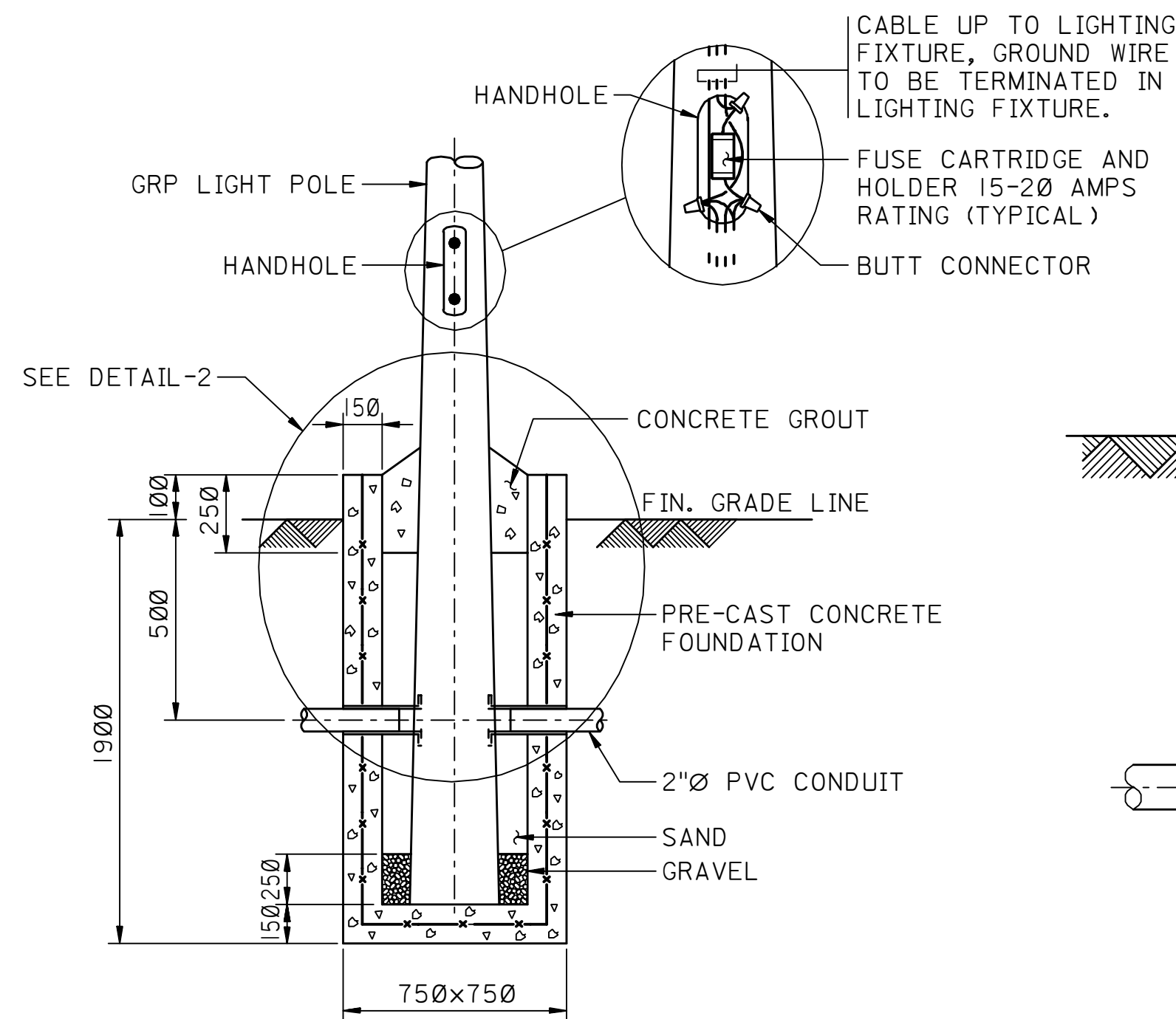
RESIDENTIAL STREET
SINGLE LIGHT DETAIL
NOT TO SCALE



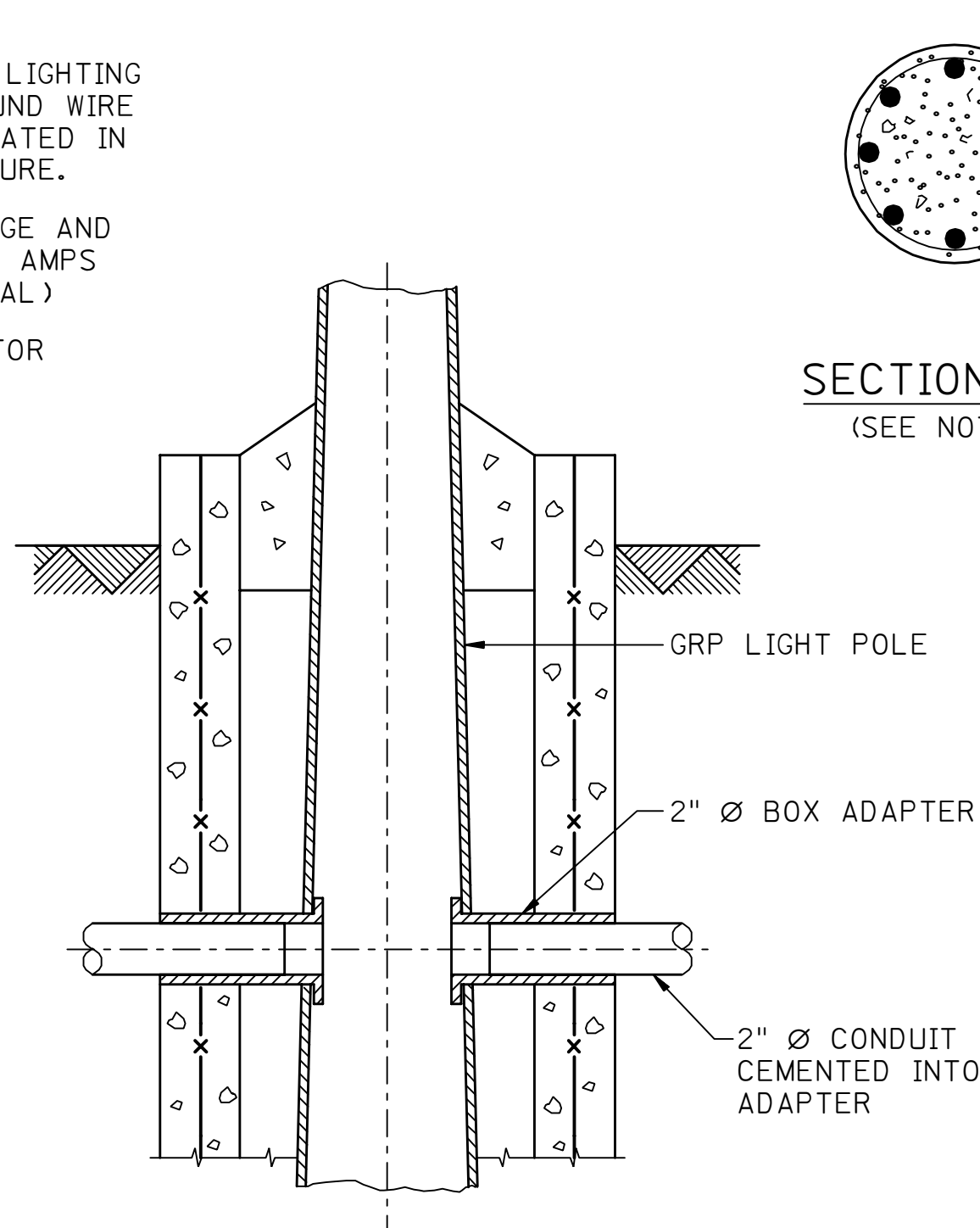
COLLECTOR STREET
DOUBLE LIGHT DETAIL
NOT TO SCALE



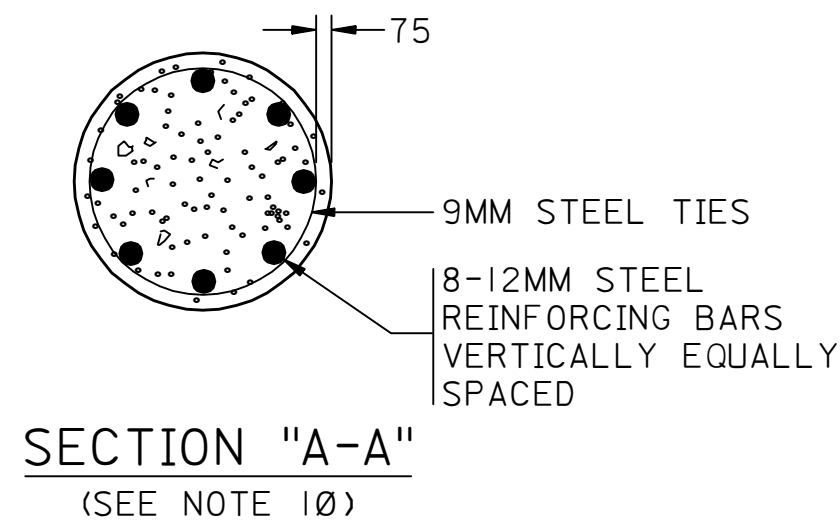
DETAIL-1
PEDESTAL LIGHT BASE
FOR ALUMINUM POLES
NOT TO SCALE (SEE NOTE 5)



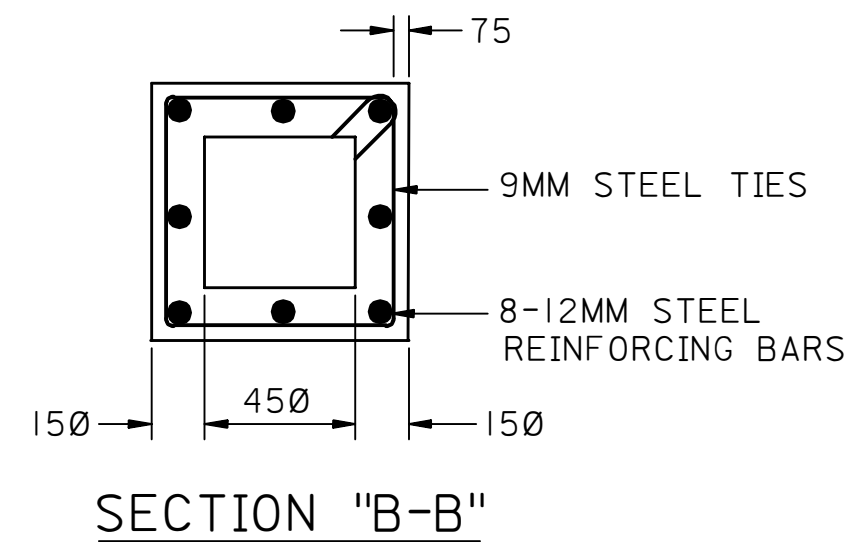
SECTION/ELEVATION



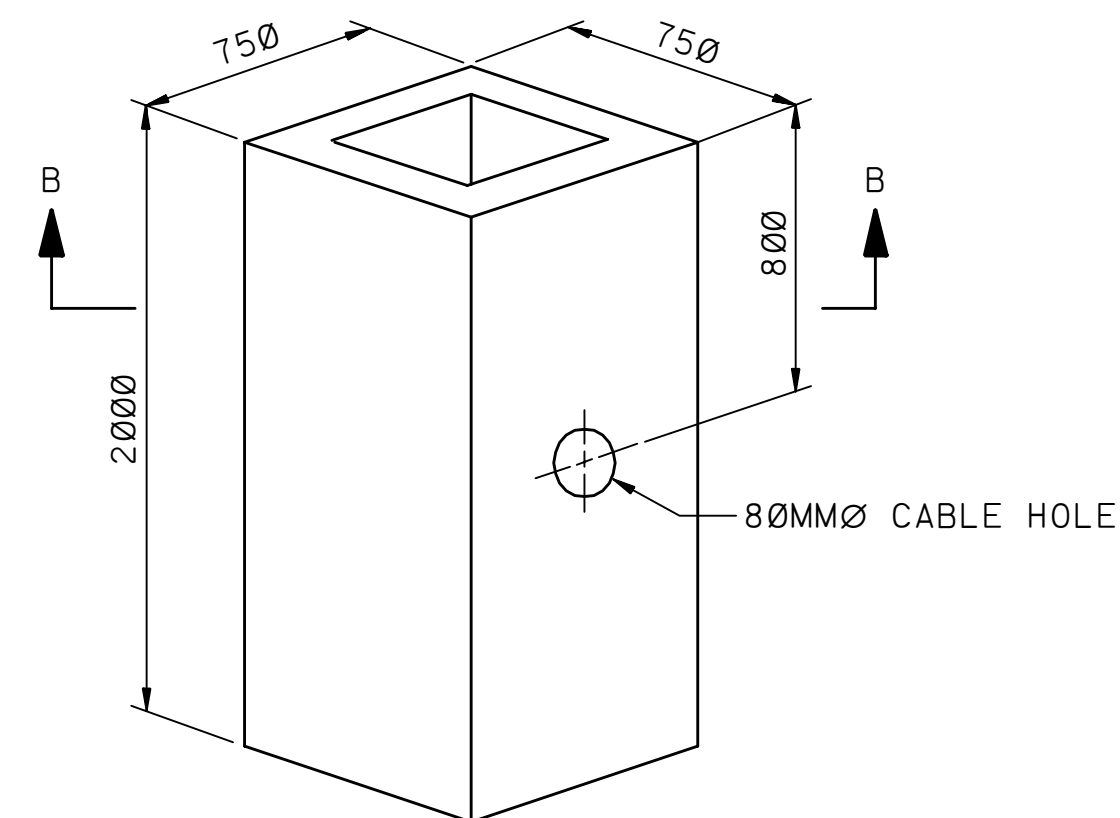
DETAIL-2



SECTION "A-A"
(SEE NOTE 10)



SECTION "B-B"



PRECAST CONCRETE BASE

DETAILS FOR FIBERGLASS STREET LIGHT POLES

- NOTES:**
1. WHEN LIGHT BASE & FIXTURE IS INSTALLED ADJACENT TO SIDEWALK, LOCATE LIGHT BASE WITHIN 150MM OF EDGE OF SIDEWALK.
 2. AVOID PAVED AREAS WHEREVER POSSIBLE IN LOCATING GROUND RODS.
 3. USE PEDESTAL LIGHT BASE AT MAXIMUM HEIGHT FROM FIN. GRADE IN PARKING LOTS.
 4. CONCRETE BASE SHALL HAVE A COMPRESSIVE STRENGTH OF 27.6MPa (4000 psi) USING TYPE V CEMENT.
 5. BASES SHALL BE POURED AGAINST UNDISTURBED EARTH BOTH VERTICALLY AND HORIZONTALLY. MINIMUM ASSUMED SOIL BEARING PRESSURE IS 13.8MPa (2,000 psi) VERIFY PRIOR TO INSTALLATION OF BASES. IF THE CONCRETE FOUNDATION IS PRECAST NOT AT SITE, IT SHOULD BE COATED IN ACCORDANCE WITH SAPCS-10, PER SAES-H-101.
 6. REBAR SHALL HAVE A YIELD STRENGTH OF 350MPa (50 KSI) AND SHALL BE FUSION BONDED EPOXY COATED PER 09-SAMSS-106.
 7. ONLY THE EXPOSED END AND TOP 75MM OF THE EMBEDDED STEEL ANCHOR BOLTS AND NUTS SHALL BE COATED WITH XYLAN FLUOROPOLYMER. THE NUMBER AND SIZE OF ANCHOR BOLTS MUST MATCH THE POLE MANUFACTURER'S BASE DETAIL. NORMALLY THE ANCHOR BOLT IS 6.35MM SMALLER THAN THE HOLE. THE ANCHOR BOLT DETAILS SHOULD MATCH AC-036322.
 8. CONDUITS TO BE SIZED BASED ON THE CONDUCTOR SIZE USED, REFER TO SAES-P-104.
 9. AN EQUIPMENT GROUNDING CONDUCTOR SHALL ACCOMPANY THE LIGHTING POWER CIRCUIT AS PER SAES-P-111, PARAGRAPH 6.3.
 10. FOUNDATION CAN BE ROUND OR SQUARE.
 11. NO GRASS OR VEGETATION SHALL BE PLANTED WITHIN 1-0 METER RADIUS OF STREET LIGHT POLE, CRUSHED STONES SHALL BE USED.
 12. FILL AROUND THE LIGHT POLE, FOOTING SHALL BE COMPACTED STRUCTURAL FILL PER SAES-M-100.
 13. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

DRAWING RESPONSIBILITY:					
ELECTRICAL STANDARDS COMMITTEE					
Ø1	JAN96	ESSD RCR	ADDED DETAILS FOR FIBERGLASS STREET LIGHT POLES		
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD. CERT. APPD.
SAUDI ARABIAN OIL COMPANY					
DRAWN BY <u>PDD/MMH</u> CHECKED BY _____ SCALE <u>NONE</u>					
DATE STARTED <u>08-03-92</u> DATE COMPLETED <u>08-03-92</u>					
OPR'G. DEPT. _____ ENG. DEPT. _____					
APP'D FOR CONSTR. _____					
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED			CERTIFIED _____ BY _____ DATE _____		
STANDARD DRAWING					
STREET LIGHTING DETAILS					
STD. DWG.					
METRIC					
PLANT NO.	INDEX	DRAWING NUMBER		SHT. NO.	REV. NO.
990	P	AB-036398		001	01