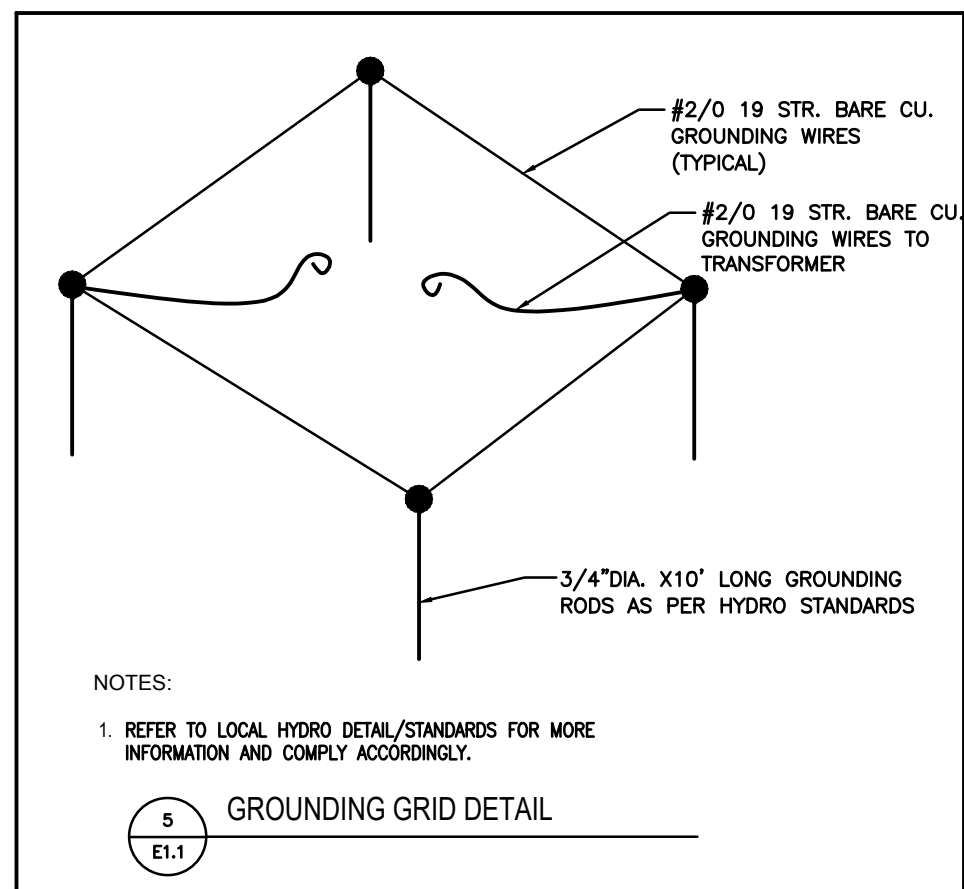
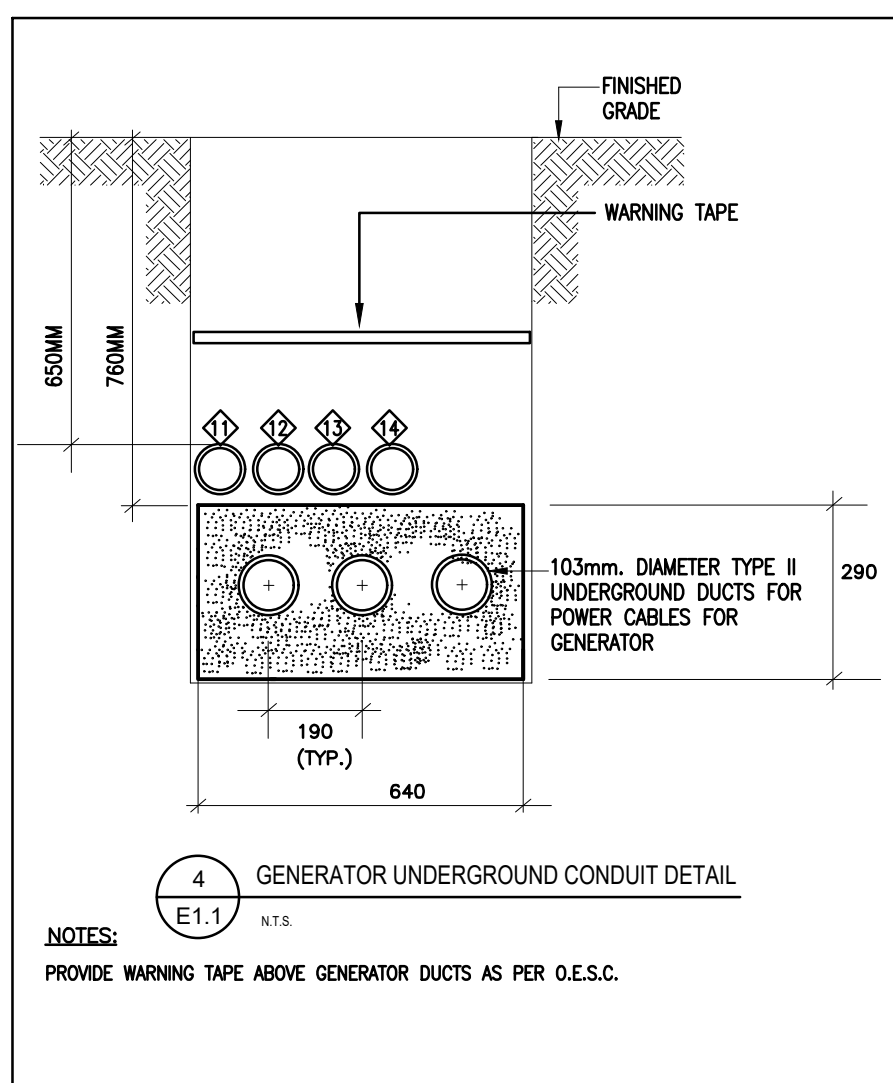
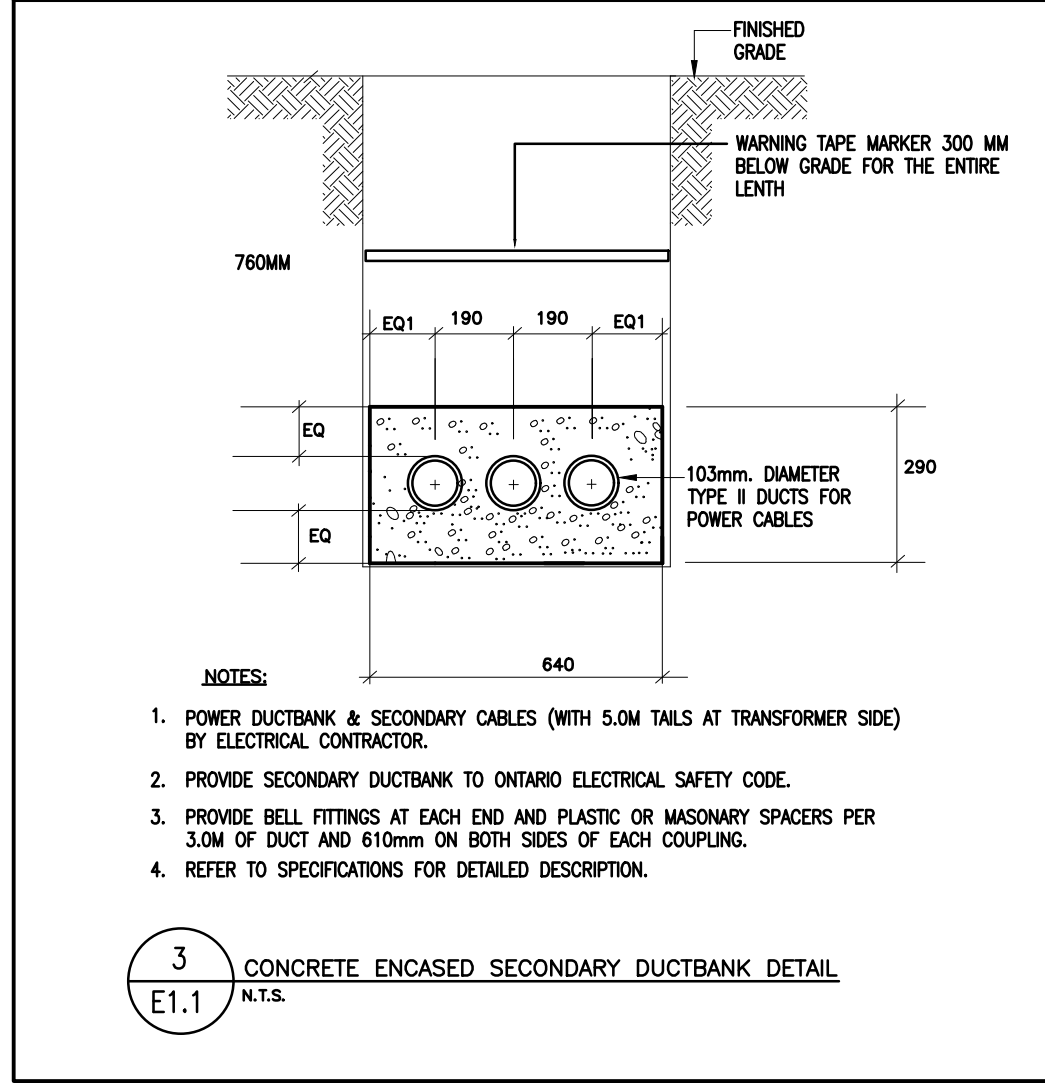
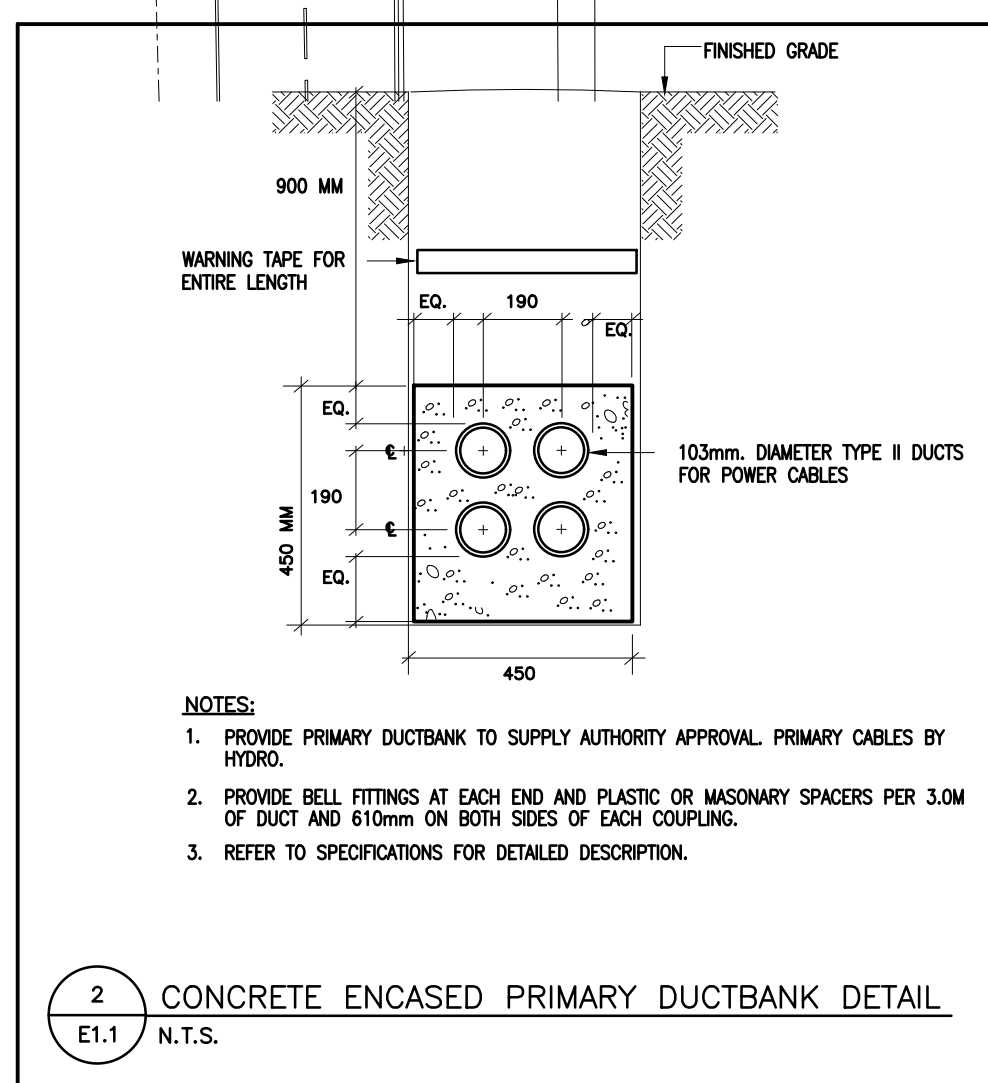
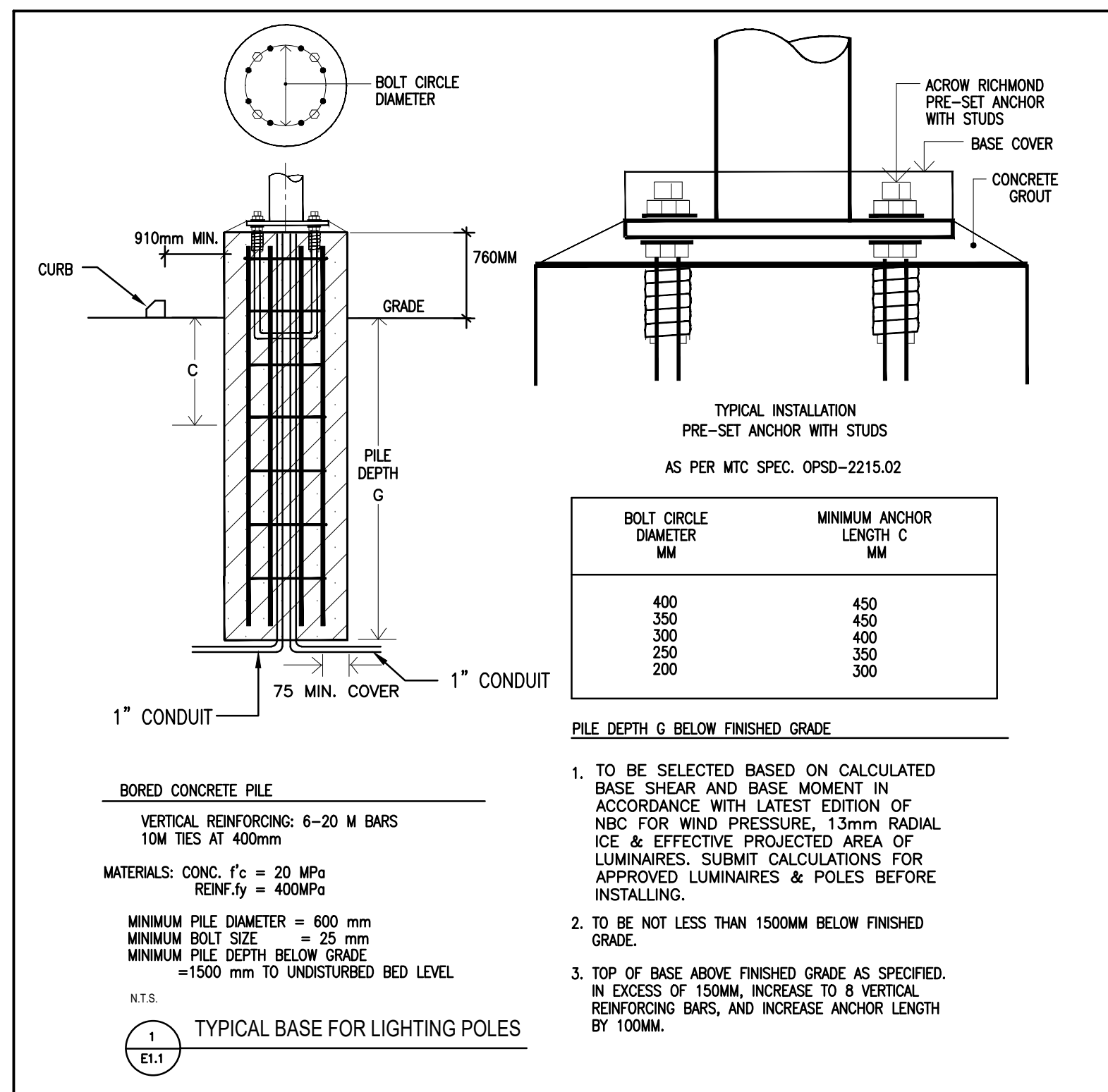


Light levels are Maintained at Grade and 3m on ctrs  
All luminaires have a U rating of 0



- ◆ PRIMARY CUT BANK SHALL BE TERMINATED AT HYDRO POLE. COORDINATE WITH HYDRO FOR EXACT LOCATION OF THE HYDRO POLE & TERMINATION OF THE PRIMARY CUT BANK PRIOR TO ROUGH-IN.
- ◆ APPROXIMATE LOCATION OF MAIN ELECTRICAL ROOM AT GROUND LEVEL.
- ◆ PROVIDE 3-103 mm UNDERGROUND CONDUITS (C/W WARNING TAPES per AS PER OCS) FOR TEL/CABLE/FIBRE TO BE LOCATED BELOW GRADE AS PER TABLE-53 OF LATEST OCS REQUIREMENTS AND AS REQUIRED FOR THE ROADSIDE LIGHTS. (VERIFY ON THE CONDUITS TO BE AS PER TABLE-53 OF OCS). CO-ORDINATE WITH OWNER FOR THEIR SERVICE PROVIDERS INFORMATION AND PROVIDE THE UNDERGROUND CONDUITS FOR TEL/CABLE/FIBRE ACCORDINGLY FROM MAIN TO ROADSIDE LIGHTS. (VERIFY ON THE EXACT LOCATION/ROOM FOR TERMINATION OF THE CONDUITS PRIOR TO ROUGH-IN) UP TO PROPERTY LINES/POINTS OF SERVICES AS REQUIRED BY THE RESPECTIVE SERVICE PROVIDERS.
  - ◆ NECESSARY FOR THE ROADSIDE LIGHTS: ALUMINUM FOR FILLING, PULP WIRES, ALL MATERIAL, LABOR, ETC. REQUIRED FOR COMPLETE ROUGH-IN SYSTEMS. CO-ORDINATE ON SITE & WITH OTHER TRADES (PRIOR TO COMMENCEMENT OF WORK) FOR APPROXIMATE SIZES UNDERGROUND CONDUITS (ALUMINUM FOR ROADSIDE LIGHTS 100.0m AS LENGTH (MORE OR LESS) OF EACH CONDUIT.

- THE WARNING TAPE SHOWN/DESCRIBED ON THIS DRAWING SHALL COMPLY WITH RULE 102-10(21) OF OESC. THE TAPE MUST BE BURIED APPROXIMATELY HALFWAY BETWEEN THE INSTALLATION AND COVERING. THE WIDTH OF THE TAPE MUST BE SUFFICIENT FOR THE ENTIRE LENGTH & SHALL BE INSTALLED AS PER BULLETIN 12-2 OF OESC.
5. ALL EXTERIOR LIGHTING CIRCUITS SHALL BE CARRIED OUT WITH #12 AWG CU CONDUCTOR.
6. ANY METAL (E. I. METAL, FIBERS, BOLLARDS, PROTECTIVE BARRIERS, ETC.) LOCATED WITHIN 2.4M OF THE PAD MOUNTED TRANSFORMER SHALL BE BONDED TO STATION GROUND ELECTRODE WITH 2/0 AWG COPPER CONDUCTORS AS PER RULE 36-308 & BULLETIN 36-10 OF LATEST OESC.
7. PROVIDE PROTECTIVE BOLLARDS (TYP.). CO-ORDINATE WITH HYDRO FOR THE LOCATION, QUANTITIES OF THE BOLLARDS AND MOUNTING DETAIL OF BOLLARDS PRIOR TO ROUGH-IN AND COMPLY ACCORDINGLY.
8. PROVIDE POWER & DATA OUTLET FOR Pylon SIGNAGE, COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
9. PROVIDE GROUNDING LOOP TO TRANSFORMER AS PER HYDRO STANDARDS (TYP.). REFER DETAILS#5 ON DWG. E1.1 FOR MORE INFORMATION.
10. PROVIDE GROUNDING RODS, QUANTITIES, LOCATIONS, TYPE TO BE AS PER HYDRO REQUIREMENTS/HYDRO STANDARDS. COORDINATE WITH HYDRO & PROCEED ACCORDINGLY.
11. PROVIDE 1-5.5MM UNDERGROUND CONDUIT C/W WRING TO TRANSFORMER MANHOLE.
12. PROVIDE 1-14MM UNDERGROUND CONDUIT C/W WRING FROM PANEL FROM PANEL-1A
13. PROVIDE 1-27MM UNDERGROUND CONDUIT C/W WRING TO ATS-1 FOR START OPTION.
14. PROVIDE 1-27MM UNDERGROUND CONDUIT C/W WRING TO ATS-1 FOR TRIPPING GENERATOR LOAD TESTING BREAKER-62.
15. PROVIDE PROTECTIVE BOLLARDS (TYP.) FOR GENERATOR. COORDINATE ON SITE FOR EXACT LOCATION & QUANTITIES PRIOR TO ROUGH-IN.
16. APPROXIMATE LOCATION OF LT. ROOM-140 AT MEZZANINE LEVEL.
17. PROVIDE DATA OUTLET & POWER FOR EV CHARGING STATION (TO BE FED FROM DP-4A FROM 40A2P BREAKER, REFER DWG. E4.0 FOR MORE INFORMATION) COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
18. PROVIDE POWER & DATA OUTLET FOR POWER GATE, COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
19. PROVIDE 2-3" CONDUITS FROM THIS LOCATION TO MAIN ELECTRICAL ROOM-133 FOR PHOTOVOLTAIC SYSTEM. COORDINATE ON SITE FOR EXACT LOCATION OF TERMINATION OF CONDUITS PRIOR TO ROUGH-IN. BOTH ENDS OF THE CONDUITS TO BE SEALED SUITABLE TO AVOID ENTRY OF WATER/FOREIGN MATERIAL INTO THE CONDUITS.
20. REFER DWG. E6.1 FOR HYDRO DETAILS & COMPLY ACCORDINGLY.
21. PROVIDE 3-103 mm UNDERGROUND CONDUITS (C/W WARNING TAPE AS PER OESC) FOR TEL/CABLE/FIBRE TO BE LOCATED BELOW AS PER TABLE-53 OF LATEST OESC REQUIREMENTS FROM LT. ROOM OF EXISTING BUILDING INSTITUTIONAL ZONE (VELLORE HALL) TO LT. ROOM AT MEZZANINE LEVEL (IDENTIFIED BY DWG. NOTE-16) FOR COMMUNICATION WIRING. COORDINATE ON SITE FOR POINTS OF TERMINATION & ROUTE OF THE CONDUIT PRIOR TO ROUGH-IN.
22. PROVIDE 2-3" CONDUITS FROM THIS LOCATION AT ROOF TO MAIN ELECTRICAL ROOM-133 FOR PHOTOVOLTAIC SYSTEM. COORDINATE ON SITE FOR EXACT LOCATION OF TERMINATION OF CONDUITS PRIOR TO ROUGH-IN. BOTH ENDS OF THE CONDUITS TO BE SEALED SUITABLE TO AVOID ENTRY OF WATER/FOREIGN MATERIAL INTO THE CONDUITS.
23. PROVIDE 2" CONDUIT FROM EV CHARGING STATION TO LT. ROOM AT MEZZANINE LEVEL FOR COMMUNICATION WIRING. COORDINATE ON SITE FOR EXACT LOCATION OF THE CONDUIT.



## LUMINAIRE SCHEDULE

MA	960MM HIGH, LANTERN TYPE LIGHT LIGHTING STANDARD (56.0W, 3522 LUMENS) C/W 3.47H HIGH STEEL STRAIGHT POLE ON 780MM ABOVE GRADE CONCRETE BASE (TOTAL HEIGHT OF THE LIGHT STANDARD TO BE 5.49M ABOVE GRADE), SINGLE HEAD C/W 208V DRIVER, 3000K, POLE AND LUMINAIRE SHALL HAVE FINISH AS PER ARCHITECT SELECTION. NLSJ DWR-1-T3-M0-32/-53-308K-HSS-RO-AM-PT, BU-U0-G1 ACUTY, COOPER, SIONIFY
MB	960MM HIGH, LANTERN TYPE LIGHT LIGHTING STANDARD (56.0W, 3539 LUMENS) C/W 3.47H HIGH STEEL STRAIGHT POLE ON 780MM ABOVE GRADE CONCRETE BASE (TOTAL HEIGHT OF THE LIGHT STANDARD TO BE 5.49M ABOVE GRADE), SINGLE HEAD C/W 208V DRIVER, 3000K, POLE AND LUMINAIRE SHALL HAVE FINISH AS PER ARCHITECT SELECTION. NLSJ DWR-1-T4-M0-32/-53-308K-HSS-RO-AM-PT, BU-U0-G1 ACUTY, COOPER, SIONIFY
WI	WALL MOUNT PAKK (9.4W, 1064 LUMENS), MOUNTED @ 3.1M, C/W 120V DRIVER, 3000K, FINISH TO ARCHITECT'S SELECTION. SOLERA SR0K-4-0-30K-U0, BU-U0-G0 ACUTY, COOPER, SIONIFY
LSP	1.0M LONG, LED LINEAR LED LIGHT FIXTURE, IP65 (TO BE MOUNTED AS RECESSED IN CHANNEL, C/W LENS), 3000K, FOR LIGHTING MAIN FACADE, 4.2W/FT, 92 LUMENS/FT, LENGTH & QUANTITIES TO SUIT SITE CONDITIONS (VERIFY ON SITE FOR EXACT EXACT OF APPLICATION), FINISH TO ARCHITECT'S SELECTION.120V DRIVER, MOUNTED @ 3.2M A.F.F. DIODE# D1-24V-15S-30K-W016-D1-CP08B-16-120V, TOTAL LENGTH AS PER SITE CONDITIONS ACUTY, COOPER, SIONIFY

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE (M.D.Y)
1	ISSUED FOR SPA	05.03.22
2	RE-ISSUED FOR SPA	06.03.22
3	DESIGN DEVELOPMENT FOR COSTING	07.07.22
4	RE-ISSUED FOR SPA	05.16.23
5	RE-ISSUED FOR SPA	06.12.23
6	RE-ISSUED FOR SPA	06.20.23
7	ISSUED FOR PERMIT	09.07.23
8	RE-ISSUED FOR SPA	09.20.23
9	ISSUED FOR REVIEW	02.13.24
10	ISSUED FOR TENDER	04.15.24

PROJECT:  
CITY OF VAUGHAN FIRE  
STATION 7-12  
9541 WESTON ROAD, VAUGHAN

**CLIENT**

**CLIENT**

MEP

MEP  
**Jain**

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PROFESSIONAL SEAL

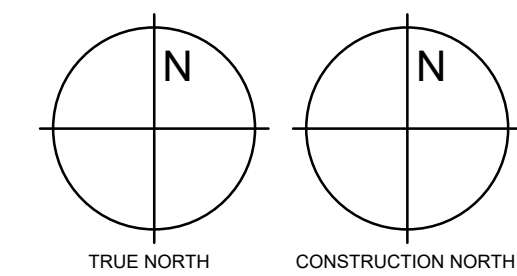


21-237

OWNG TITLE

## SITE PLAN - ELECTRICAL

## ORIENTATION



10

1 : 300

DRAWN BY CV  
CHECKED BY RH

## TATUS

CT No.

NG No

## E1.1

REVISION