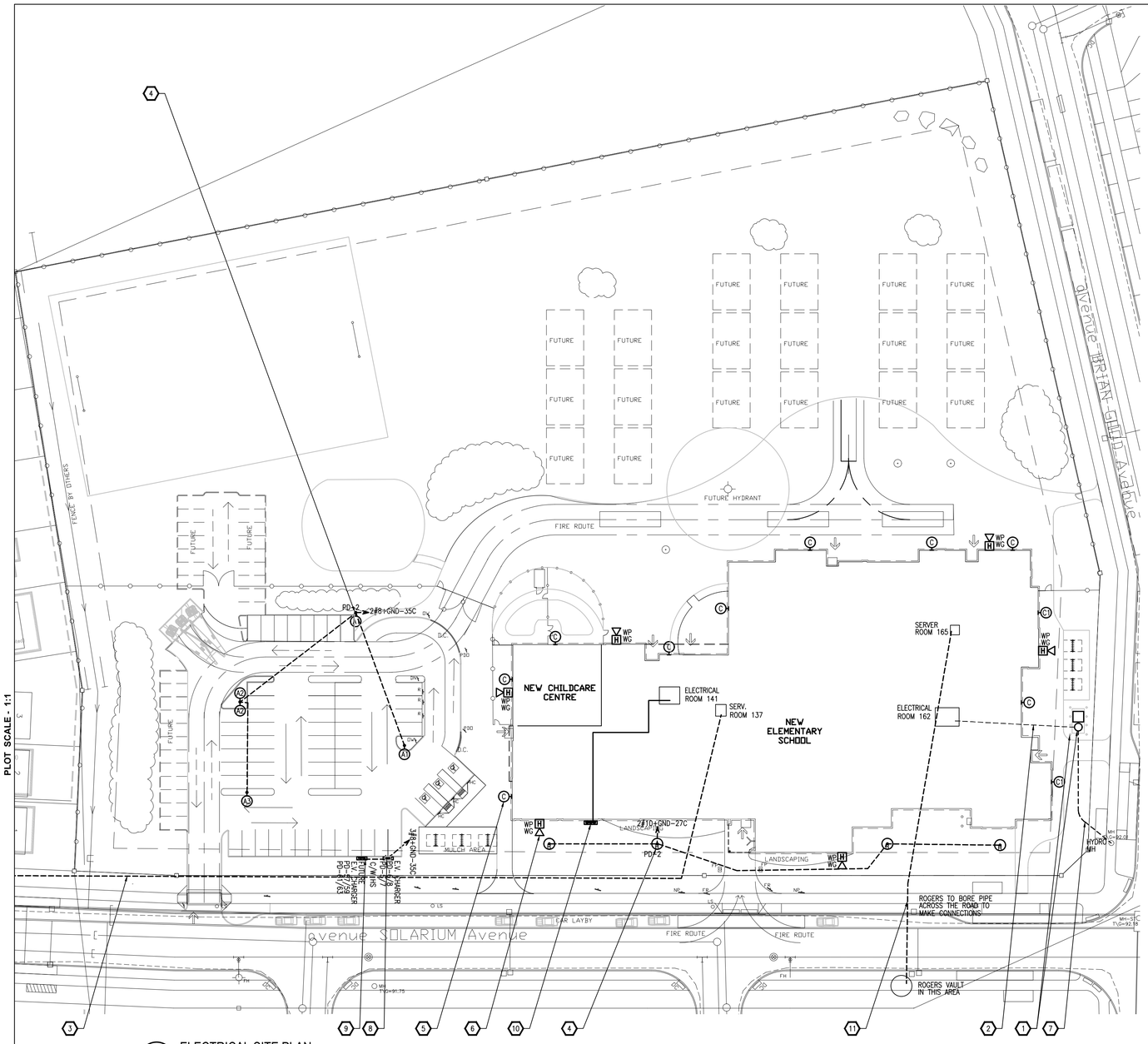


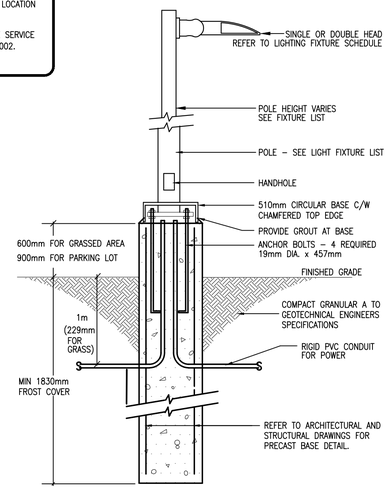
1 E002 ELECTRICAL SITE PLAN
1:500

DRAWING NOTES

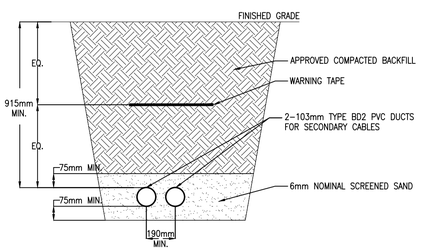
1. PROPOSED LOCATION FOR 500KVA PADMOUNT TRANSFORMER SUPPLIED BY HYDRO OTTAWA. SECONDARY: 347/600V, 3ø, 4W. GENERAL CONTRACTOR TO PROVIDE PAD C/W MANHOLE, CONCRETE BASE AND PAD. PROVIDE GROUNDING C/W BOLLARDS AS PER HYDRO OTTAWA STANDARD. TRANSFORMER SHALL BE MIN. 2M AWAY FROM THE CURB. CONTACT AND COORDINATE HYDRO OTTAWA PROJECT MANAGER AND HYDRO OTTAWA CIVIL INSPECTOR AT START OF THE CIVIL WORK.
2. DIRECT BURIED SECONDARY FEEDERS IN PVC DUCTS. REFER TO RISER DIAGRAM DRAWING E003 AND DETAIL 3/E002. SECONDARY FEEDERS REQUIRE COMPRESSION TYPE CONNECTORS AT THE PADMOUNT TRANSFORMER. LEAVE 15 METER COILED LOOP OF SECONDARY FEEDERS IN TRANSFORMER BASE.
3. PROVIDE 1–100MM DIRECT BURIED PVC DUCT FOR TELEPHONE SERVICE FROM A DUCT STUBBED UNDER A SIDEWALK TO SERVER ROOM 137 WITH 3M TO BELL BACKBOARD. SEE DETAIL 4/E002. COORDINATE WORK WITH BELL.
4. TYPICAL
EXTERIOR LIGHT STANDARDS. SEE DETAIL 2/E002 AND LIGHT FIXTURE SCHEDULE. PROVIDE RELAY AND CONTROL BY BAS.
5. TYPICAL .
BUILDING WALL MOUNTED EXTERIOR FULL CUT-OFF LIGHT FIXTURE. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT. PROVIDE RELAY AND CONTROL BY BAS.
6. TYPICAL
OUTDOOR P.A. HORN C/W WIREGUARD. PROVIDE 21MM CONDUIT TO ACCESSIBLE CEILING SPACE. WIRING BY P.A. SYSTEM CONTRACTOR.
7. PROVIDE 4 CELL PRIMARY CONCRETE ENCASED DUCT BANK C/W PULL ROPE TO HYDRO OTTAWA STANDARDS. ALLOW FOR 12 METERS LENGTH. COORDINATE EXACT RUN WITH HYDRO OTTAWA.
8. PROVIDE ELECTRIC VEHICLE CHARGING STATION AS FLO SMARTTWO 208–240V S2–V4–TETE–FL–BLRV CHARGING STATION HEADS (2) C/W RFID READER, CONNECTOR MODULE WITH STRAIGHT CABLE AND LOCKING MECHANISM. PROVIDE S2–V4–SSDRM–FL–BLCE CHARGING STATION MOUNTING BASE AND 2XSMARTTWO, NEMA 3R ALUMINUM CASTING, 2XSAE J1772 CHARGING CONNECTOR. PROVIDE 2x40A–2P BREAKERS C/W 2x3#8+GND–35MM C/W UNDERGROUND PVC CONDUIT AND CONNECT TO 120/208V PANEL. CCT # AS INDICATED. REFER TO ARCHITECTURAL DRAWINGS FOR BASE DETAIL. PROVIDE SIGNAGE ON PEDESTAL "EV CHARGING STATION". REFER TO DETAIL 5/E002.
9. PROVIDE 2x40A–2P BREAKER C/W 2x3#8+GND–27MM C/W UNDERGROUND PVC CONDUIT FROM 120/208V PANEL AND TERMINATE IN WEATHERPROOF JUNCTION BOX FOR FUTURE VEHICLE CHARGING STATION.
10. PROVIDE 100A CAMLOCK CONNECTION C/W NEMA 4 ENCLOSURE FOR TEMP. GENERATOR. (600MMW X 400MMH). COORDINATE EXACT LOCATION ON SITE.
11. PROVIDE 2–100MM DIRECT BURIED PVC DUCT FOR TELEPHONE SERVICE FROM ROGERS VAULT TO SERVER ROOM 165. SEE DETAIL 4/E002. COORDINATE WORK WITH ROGERS.

GENERAL NOTES:

1. COORDINATE BURIED SERVICES WITH ALL OTHER SERVICES (WATER, SEWER, GAS, HYDRO, TELEPHONE, CABLE, ETC.) REFER TO RELATED SITE SERVICES DRAWINGS.
2. COORDINATE WITH UTILITY AND TELEPHONE/CATV SERVICES FOR LOCATION AND FINAL CONDUIT REQUIREMENTS.
3. COORDINATE LOCATION OF LIGHTING FIXTURES WITH LANDSCAPE PLANS.
4. EXCAVATION, BACKFILL AND CONCRETE, REINFORCING ASSOCIATED WITH ELECTRICAL WORK TO BE BY GENERAL CONTRACTOR.
5. USE PVC FOR UNDERGROUND ONLY. CHANGE TO EMT INSIDE BUILDING.
6. PROVIDE PVC/EMT TRANSITION ADAPTORS AT EXTERIOR TO INTERIOR CONDUITS.



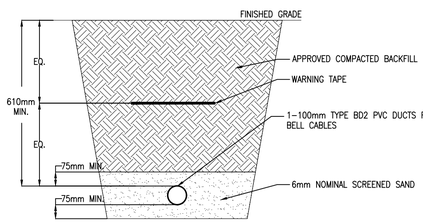
2 E002 TYPICAL BASE DETAIL FOR EXTERIOR LIGHT STANDARD
N.T.S.



NOTES:

1. TRENCH AND DUCTS TO BE INSPECTED PRIOR TO SAND FILL BEING PLACED.
2. MAKE PROVISIONS FOR WORKING IN SANDY TERRAIN.
3. DUCT JOINTS TO BE GLUED USING AN APPROVED PVC SOLVENT, WHEN APPLICABLE.
4. ALL DUCTS MUST BE CLEANED AND RODDED, AND A NYLON ROPE TO BE LEFT IN EACH DUCT.

3 E002 SECONDARY DUCT
N.T.S.



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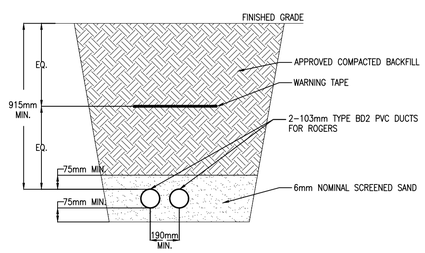
4 E002 COMMUNICATION DUCT
N.T.S.



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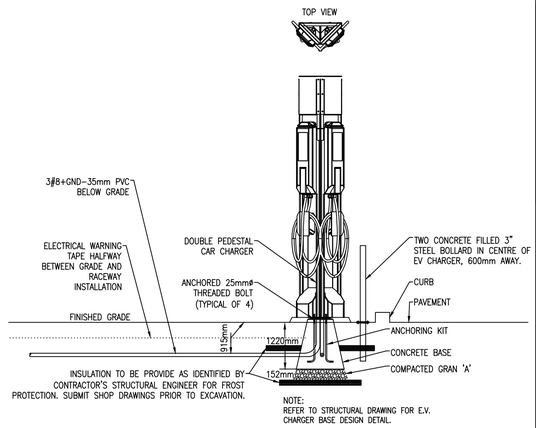

5 E002 ELECTRIC CAR CHARGER DETAIL
N.T.S.

CLIENT OTTAWA CATHOLIC SCHOOL BOARD

REV	REVISION DESCRIPTION	DATE
4	ISSUED FOR SITE PLAN CONTROL REV. 1	2023–01–05
3	ISSUED FOR BUILDING PERMIT	2022–12–14
2	ISSUED FOR 85% CLIENT REVIEW	2022–10–21
1	ISSUED FOR SITE PLAN APPLICATION	2022–10–07

SEAL

LICENSED PROFESSIONAL ENGINEER
D. B. VYAS
100133120
PROVINCE OF ONTARIO

PROJECT NORTH

TRUE NORTH

GWAL Goodkey Weedmark & Associates Ltd. 65 years
1688 Woodward Dr. Ottawa Ontario Canada K2C 3R8
613 727–5111 Voice
613 727–5115 Fax
www.gwal.com Web

PROJECT

OCSB RIVERSIDE SOUTH ELEMENTARY SCHOOL

836 Solarium Ave. Ottawa, ON

DRAWING

ELECTRICAL SITE PLAN

PROJECT NO.	2022-512	**DRAWING NO.**	**E002**
SCALE -	AS INDICATED		
DRAWN -	J. GUAN		
CHECKED -	D.VYAS		
PLOT DATE -	2023/01/05	**PLOTTED BY -**	

PLOT SCALE - 1:1
SHEET SIZE: A1
D07-12-22-0145
#18837