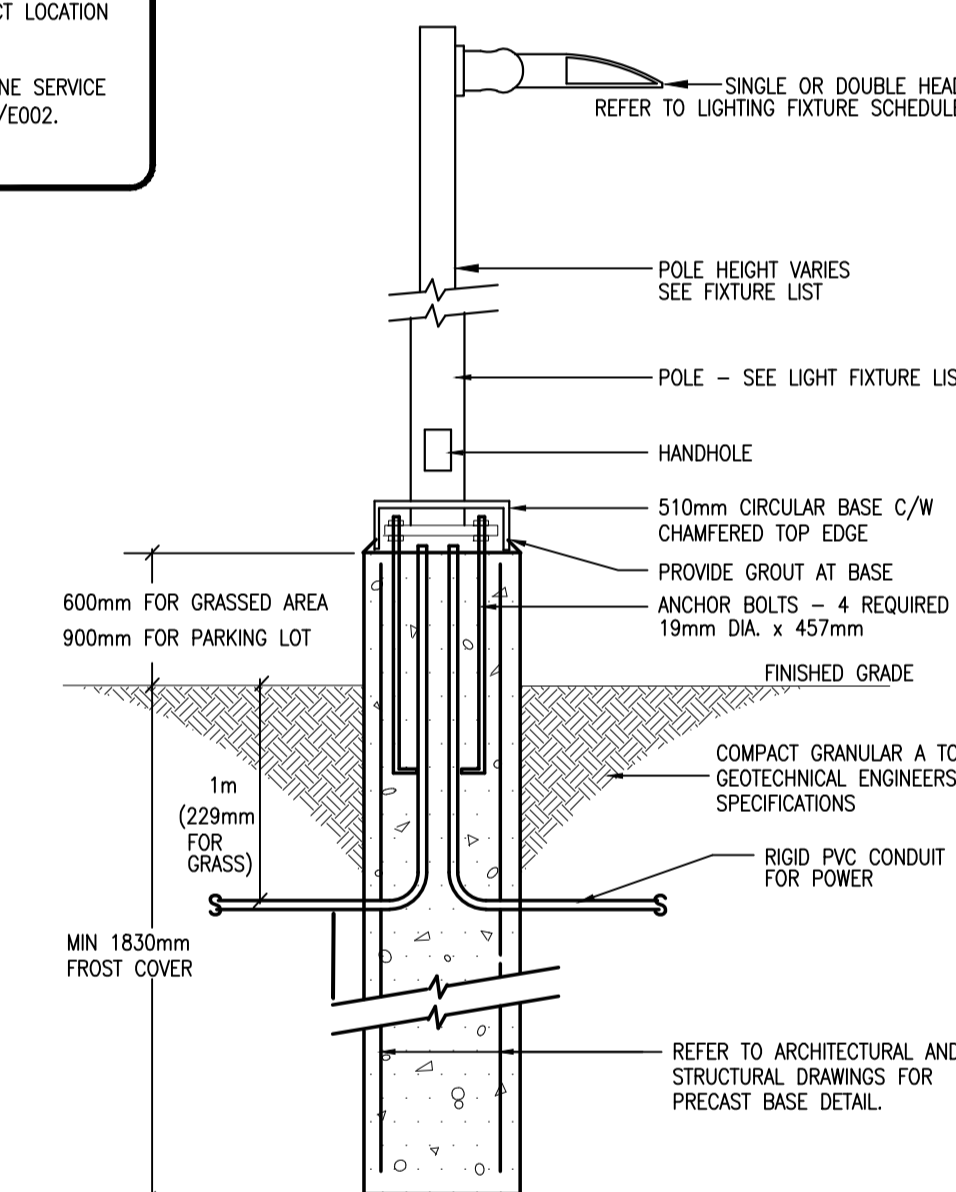


GENERAL NOTES:

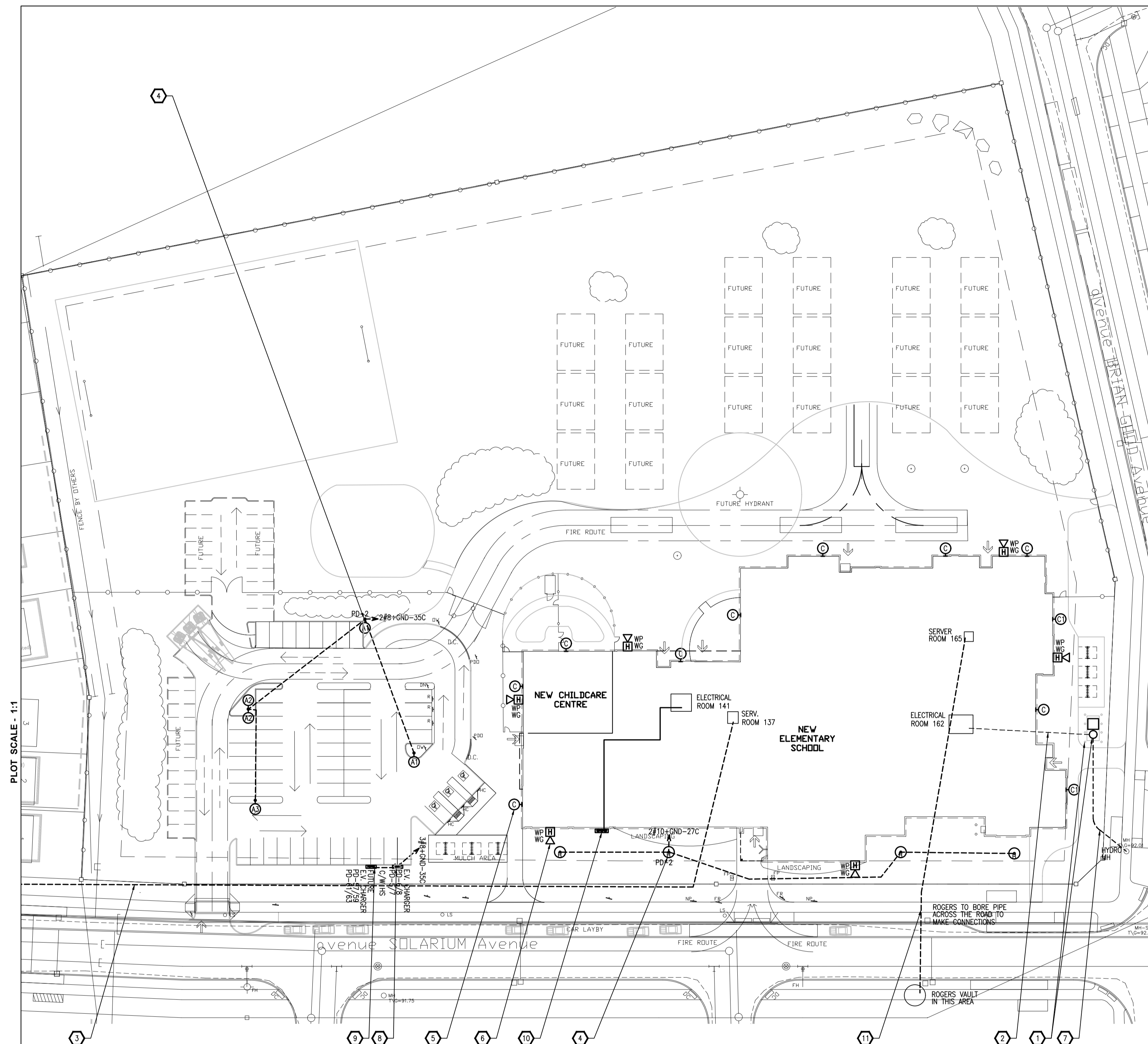
- COORDINATE BURIED SERVICES WITH ALL OTHER SERVICES (WATER, SEWER, GAS, HYDRO, TELEPHONE, CABLE, ETC.) REFER TO RELATED SITE SERVICES DRAWINGS.
- COORDINATE WITH UTILITY AND TELEPHONE/TV SERVICES FOR LOCATION AND FINAL CONDUIT REQUIREMENTS.
- COORDINATE LOCATION OF LIGHTING FIXTURES WITH LANDSCAPE PLANS.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

DRAWING NOTES

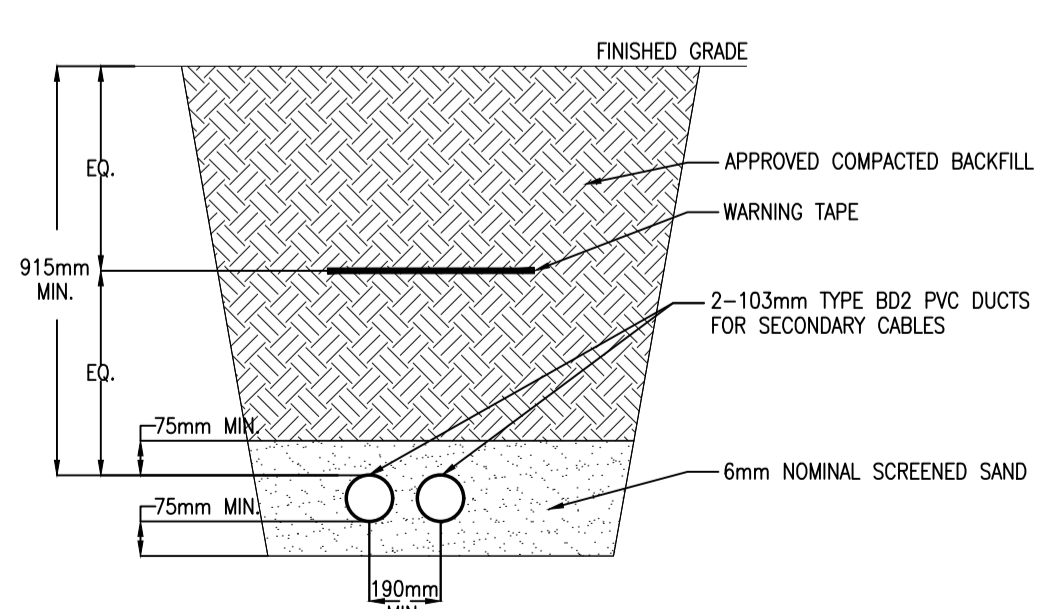
- PROPOSED LOCATION FOR 500KVA PADMOUNT TRANSFORMER SUPPLIED BY HYDRO OTTAWA. SECONDARY: 347/600V, 3ø, 4W. GENERAL CONTRACTOR TO PROVIDE PAD C/W MANHOLE, CONCRETE BASE AND PAD. PROVIDE GROUNDING C/W BOLLARDS AS PER HYDRO OTTAWA STANDARD. TRANSFORMER SHALL BE MIN. 2M AWAY FROM THE CURB. CONTACT AND COORDINATE HYDRO OTTAWA PROJECT MANAGER AND HYDRO OTTAWA CIVIL INSPECTOR AT START OF THE CIVIL WORK.
- 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.
- 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.
- TYPICAL EXTERIOR LIGHT STANDARDS. SEE DETAIL 2/E002 AND LIGHT FIXTURE SCHEDULE. PROVIDE RELAY AND CONTROL BY BAS.
- 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.
- TYPICAL OUTDOOR P.A. HORN C/W WIREGUARD. PROVIDE 21MM CONDUIT TO ACCESSIBLE CEILING SPACE. WIRING BY P.A. SYSTEM CONTRACTOR.
- 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.
- PROVIDE ELECTRIC VEHICLE CHARGING STATION AS FLO SMARTTWO 208-240V S2-V4-TETE-FL-BLRY CHARGING STATION HEADS (2) C/W RFID READER, CONNECTOR MODULE WITH STRAIGHT CABLE AND LOCKING MECHANISM. PROVIDE S2-V4-S2DRM-FL-BLCE CHARGING STATION MOUNTING BASE AND 2XSMARTTWO, NEMA 3R ALUMINUM CASTING, 2XSAE J1772 CHARGING CONNECTOR. PROVIDE 2x40A-2P BREAKERS C/W 2x3ø8+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.
- PROVIDE 2x40A-2P BREAKER C/W 2x3ø8+GND-27MM C/W UNDERGROUND PVC CONDUIT FROM 120/208V PANEL AND TERMINATE IN WEATHERPROOF JUNCTION BOX FOR FUTURE VEHICLE CHARGING STATION.
- PROVIDE 100A CAMLOCK CONNECTION C/W NEMA 4 ENCLOSURE FOR TEMP. GENERATOR. (600MMW X 400MMH). COORDINATE EXACT LOCATION ON SITE.
- 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.



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

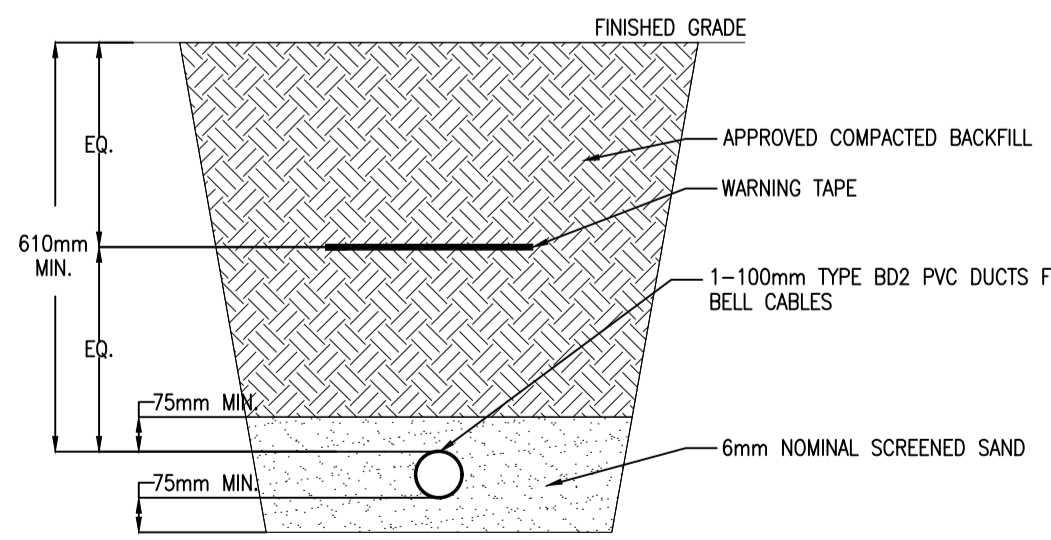


1 E002 1:500 ELECTRICAL SITE PLAN



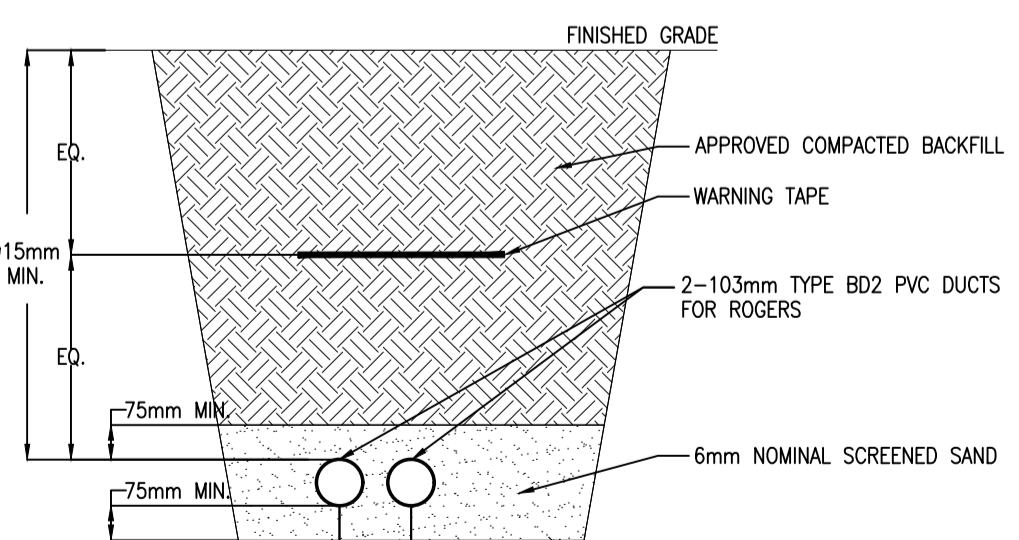
- NOTES:**
- TRENCH AND DUCTS TO BE INSPECTED PRIOR TO SAND FILL BEING PLACED.
 - MAKE PROVISIONS FOR WORKING IN SANDY TERRAIN.
 - DUCT JOINTS TO BE GLUED USING AN APPROVED PVC SOLVENT, WHEN APPLICABLE.
 - ALL DUCTS MUST BE CLEANED AND RODDED, AND A NYLON ROPE TO BE LEFT IN EACH DUCT.

3 E002 N.T.S. SECONDARY DUCT



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

4 E002 N.T.S. COMMUNICATION DUCT



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

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

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

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHER FAILURE TO OBTAIN AND / OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE ALLEGED.

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SEAL

PROJECT NORTH

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PROJECT

OCSB RIVERSIDE SOUTH ELEMENTARY SCHOOL

836 Solarium Ave. Ottawa, ON

DRAWING

ELECTRICAL SITE PLAN

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

PLOT SCALE - 1:1

SHEET SIZE: A1

#18837