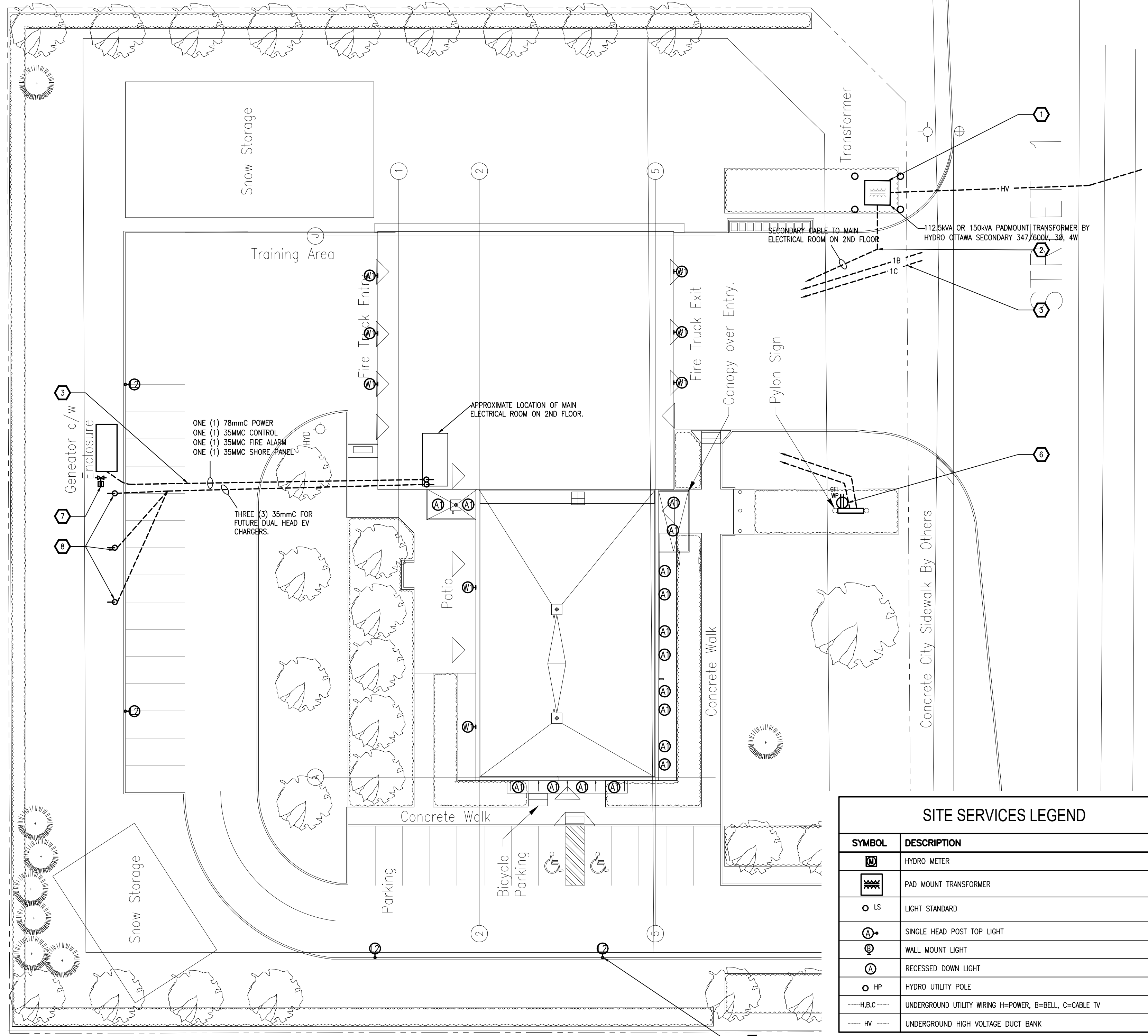


MARCH ROAD



SITE SERVICES LEGEND	
SYMBOL	DESCRIPTION
	HYDRO METER
	PAD MOUNT TRANSFORMER
	LIGHT STANDARD
	SINGLE HEAD POST TOP LIGHT
	RECESSED DOWN LIGHT
	HYDRO UTILITY POLE
	UNDERGROUND UTILITY WIRING H=POWER, B=BELL, C=CABLE TV
	UNDERGROUND HIGH VOLTAGE DUCT BANK

1
E1
1:250
ELECTRICAL SITE PLAN

NEW WORK NOTES

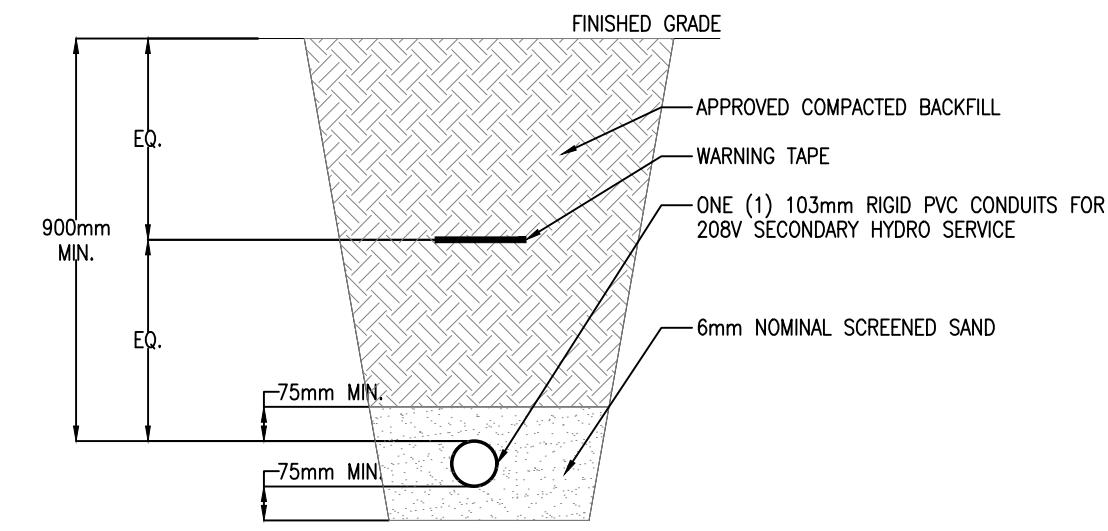
- HYDRO OTTAWA TO PROVIDE NEW 150KVA 347/600V SECONDARY 3PH 4W PAD MOUNT TRANSFORMER. PROVIDE ALL SECONDARY CONDUITS AND WIRING FROM PAD MOUNT TRANSFORMER TO MAIN DISCONNECT IN MAIN ELECTRICAL ROOM.
- PROVIDE SECONDARY CABLE IN 1-CELL CONCRETE ENCASED DUCT BANK FROM PAD MOUNT TRANSFORMER TO BUILDING ENTRANCE. PROVIDE WIRING C/W CONDUIT FROM BUILDING ENTRANCE TO 2ND FLOOR MAIN ELECTRICAL ROOM. HYDRO OTTAWA TO MAKE TRANSFORMER CONNECTIONS.
- PROVIDE 1 x 103MM CONDUIT FOR BELL AND 1 x 103MM CONDUIT FOR CABLE TV TO NEW DEMARICATION POINT IN IT CLOSET ON GROUND FLOOR.
- TYPICAL NEW POST TOP LIGHTING CONDUITS TO BE COORDINATED WITH SITE WORK.

NEW WORK NOTES

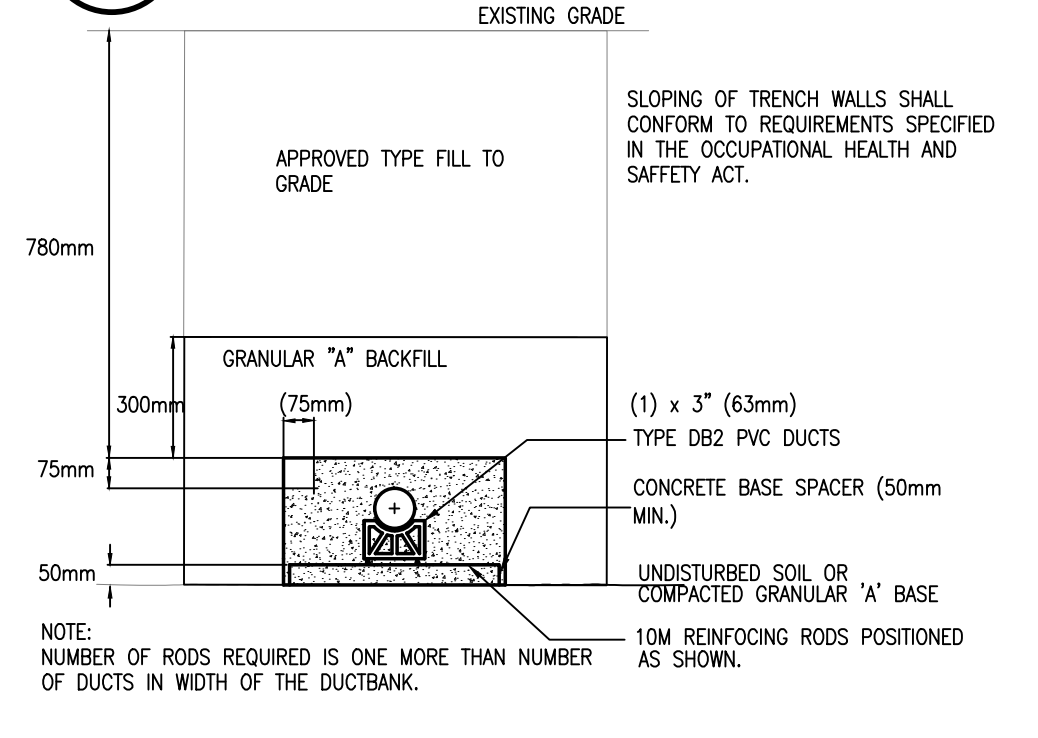
- PROVIDE 1 x 78MM, 3 x 35MM, RIGID PVC CONDUITS FROM GENERATOR TO ELECTRICAL ROOM FOR POWER, FIRE ALARM, CONTROLS AND SHIRE POWER. CONDUITS TO BE CONCRETE ENCASED UNDER PAVED AREAS. REFER TO DETAIL 6/E1 FOR DETAILS.
- PROVIDE WEATHERPROOF RECEPTACLE C/W 2#12+GND RECESSED IN BASE AND 35MM EMPTY CONDUIT C/W PULL STRING UP TO COMMUNICATION ROOM FOR DATA FOR SIGNAGE.
- PROVIDE WIRING C/W CONDUITS AND MAKE CONNECTION TO FIRE ALARM PANEL INDICATING TROUBLE. PROVIDE 35mm PVC CONDUIT TO GENERATOR C/W FAS WIRING AND MAKE CONNECTION. NATURAL GAS SUPERVISED VALVE C/W DRY CONTACTS AT ENDRIDGE AND AT GENERATOR SUPPLIED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR.

NEW WORK NOTES

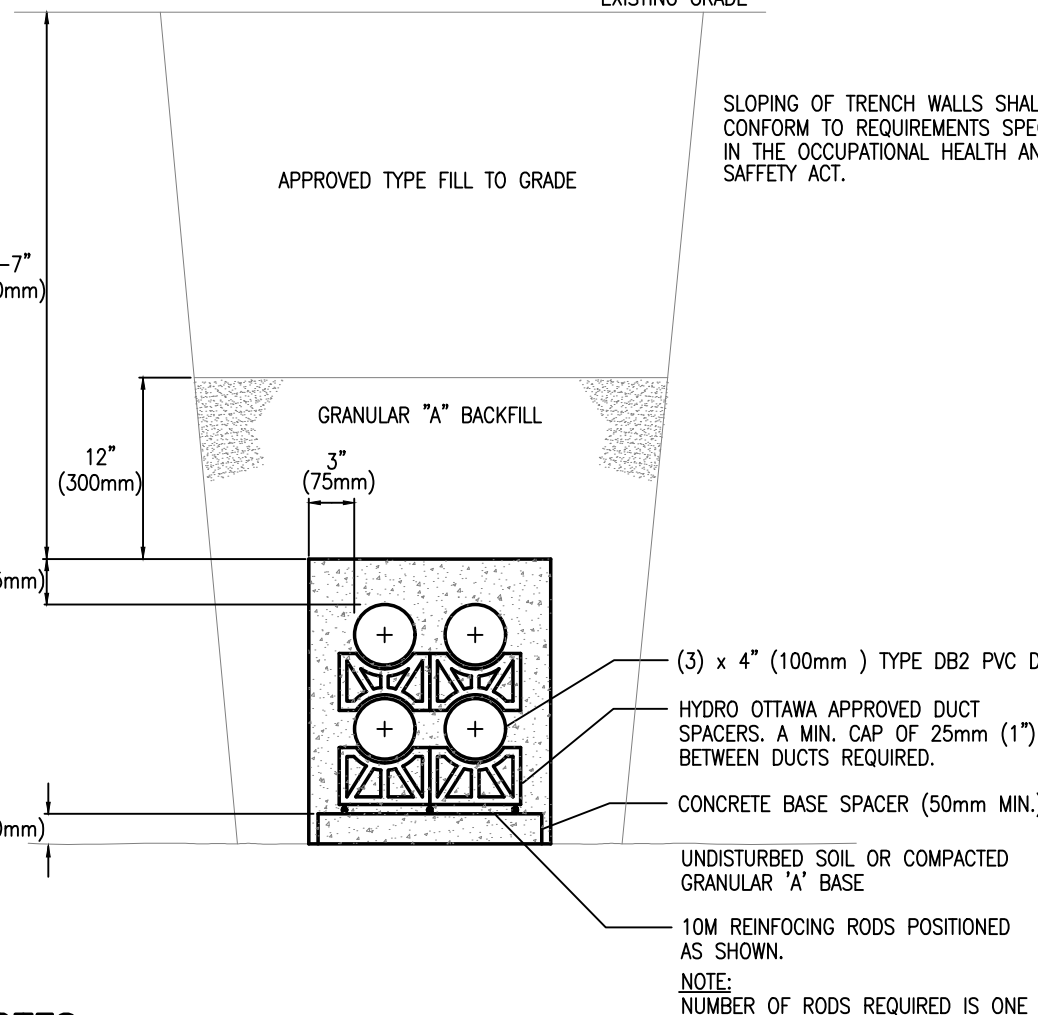
- PROVIDE THREE (3) 35mm RIGID PVC CONDUITS FROM 2ND FLOOR MAIN ELECTRICAL ROOM TO FUTURE EV CHARGING STATIONS C/W FULL STRINGS. STUB UP CONDUIT AT TERMINATION POINT, CAP AND SEAL.



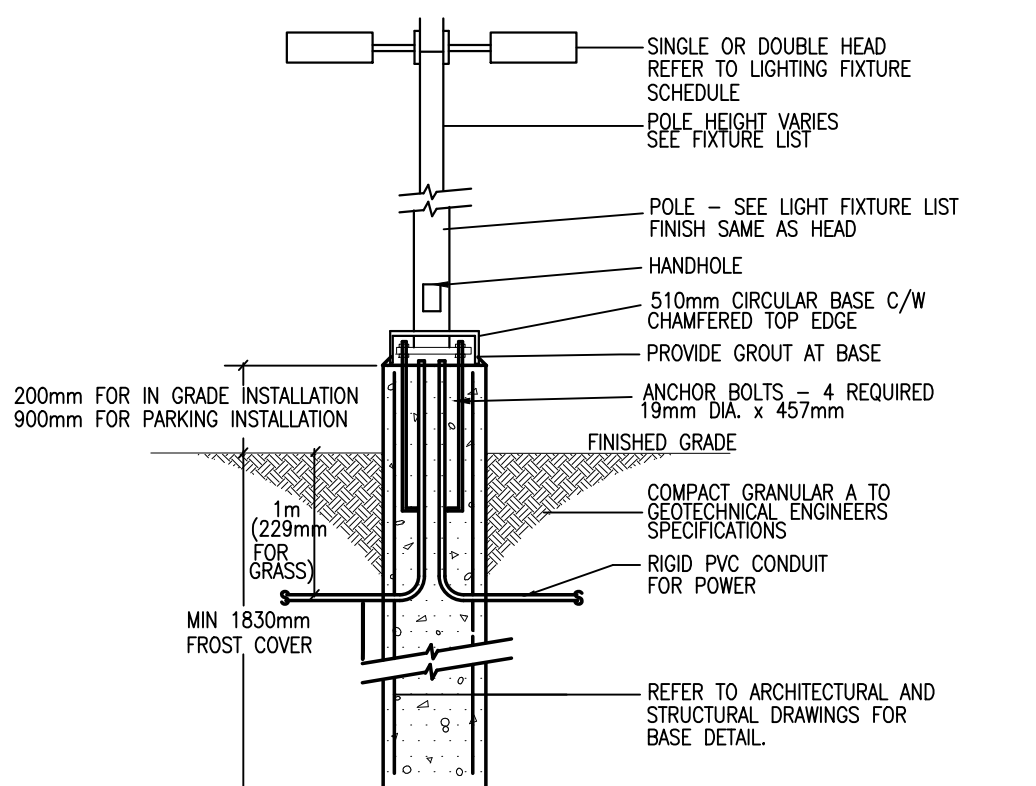
2
E1
N.T.S.
TYPICAL: DIRECT BURIED CONDUIT DETAIL



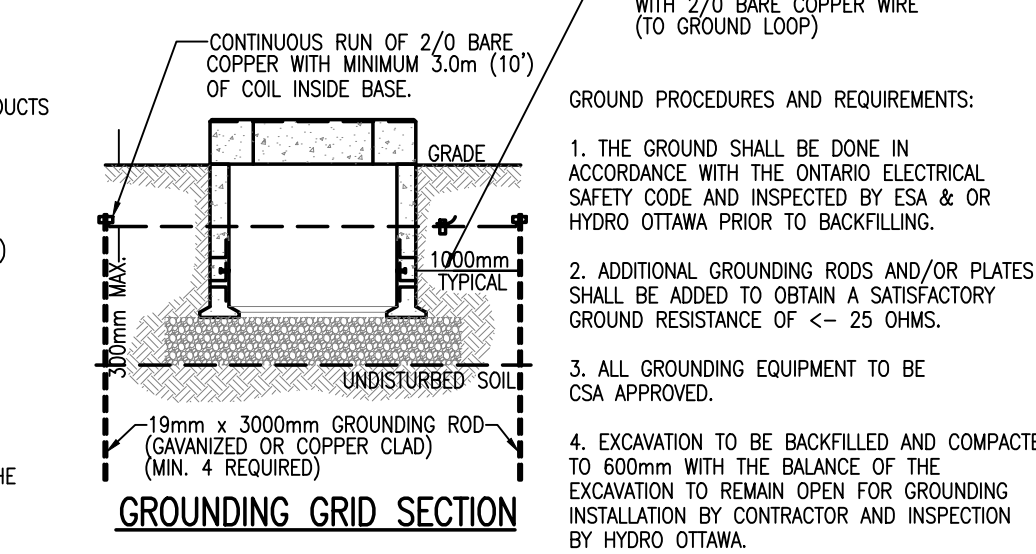
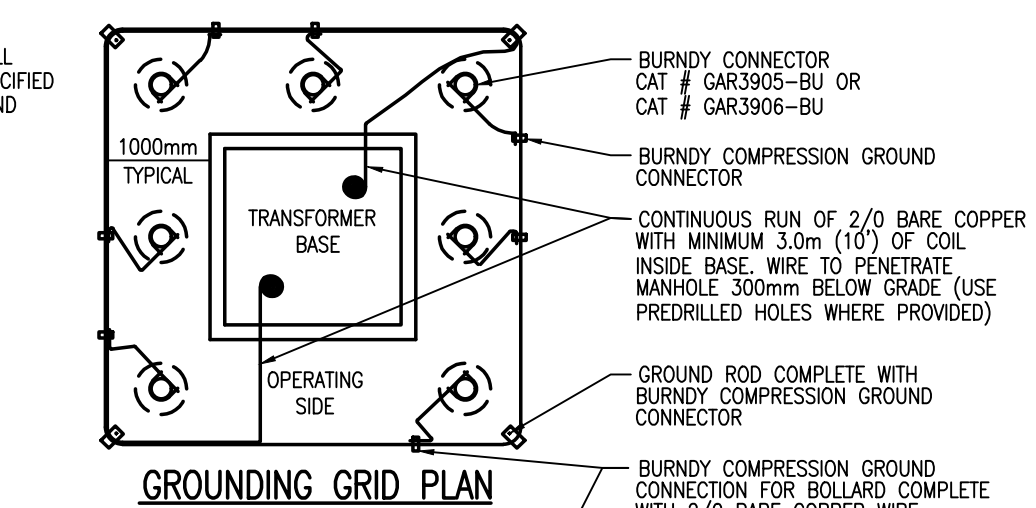
3
E1
N.T.S.
TYPICAL: 1-CELL CONCRETE ENCASED DUCT BANK DETAIL



5
E1
N.T.S.
TYPICAL: 4 CELL CONCRETE DUCT BANK



4
E1
N.T.S.
TYPICAL: EXTERIOR LIGHT STANDARD BASE DETAIL



6
E1
N.T.S.
TYPICAL: PAD MOUNT TRANSFORMER BASE SELECTION

EXTERIOR LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	CATALOG NUMBER (OR APPROVED EQUAL)	LAMPS PER FIXTURE			VOLT	MOUNTING	REMARKS	
			QTY	TYPE	WATTS				
A1	EXTERIOR CANOPY LIGHT	PRESCOLITE - LBSE-GRD-RM-35K8	1	LED	12.89	3500K	CANOPY	-	
L2	EXTERIOR LIGHTING POLE	BEACON - VP-1-160L-75-35K7-3-BC	1	LED	72.1	3500K	POLE	-	
W1	EXTERIOR WALL PACK	HUBBELL - RWL1-48L-20-35K7-4W-U	1	LED	19.9	3500K	WALL	-	
W2	EXTERIOR WALL PACK	HUBBELL - RWL2-160L-65-35K7-4-U	1	LED	67.2	3500K	WALL	-	

6				
5				
4				
3				
2				
1	ISSUED FOR SITE PLAN APPLICATION	2022-05-20	M.E.	
NUMBER	MILESTONE / FAT SAILLANT	DATE: (Y/M/D)	INITIALS	
NUMBER	DESIGNED BY / CONCEAINT PAR	CHECKED BY / VÉRIFIÉ PAR	D.V.	
M.E.	SCALE / ÉCHELLE	AS NOTED		
M.E.				

1
A1.1
SCALE: 1:250
DRAWING TITLE
SHEET NUMBER

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ARCHITECT / ARCHITECTE
CONSULTANT / EXPERT-CONSEIL

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

CONSULTANT / EXPERT-CONSEIL
CONSULTANT / EXPERT-CONSEIL

PROJECT / LOCATION / PROJET / ENDROIT
FIRE STATION # 45
OTTAWA FIRE SERVICES

MARCH ROAD
OTTAWA, ONTARIO

DRAWING / DESSIN

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ
BUILDING NUMBER / NUMÉRO DU BÂTIMENT
BE 3098 / PR 10000 / BU 1000

CITY PROJECT NO. / CONVS. PROJECT NO. / NUMÉRO DE PROJET
CR - 13392

SHEET NO. / FEUILLE NO.
2022-287

E1