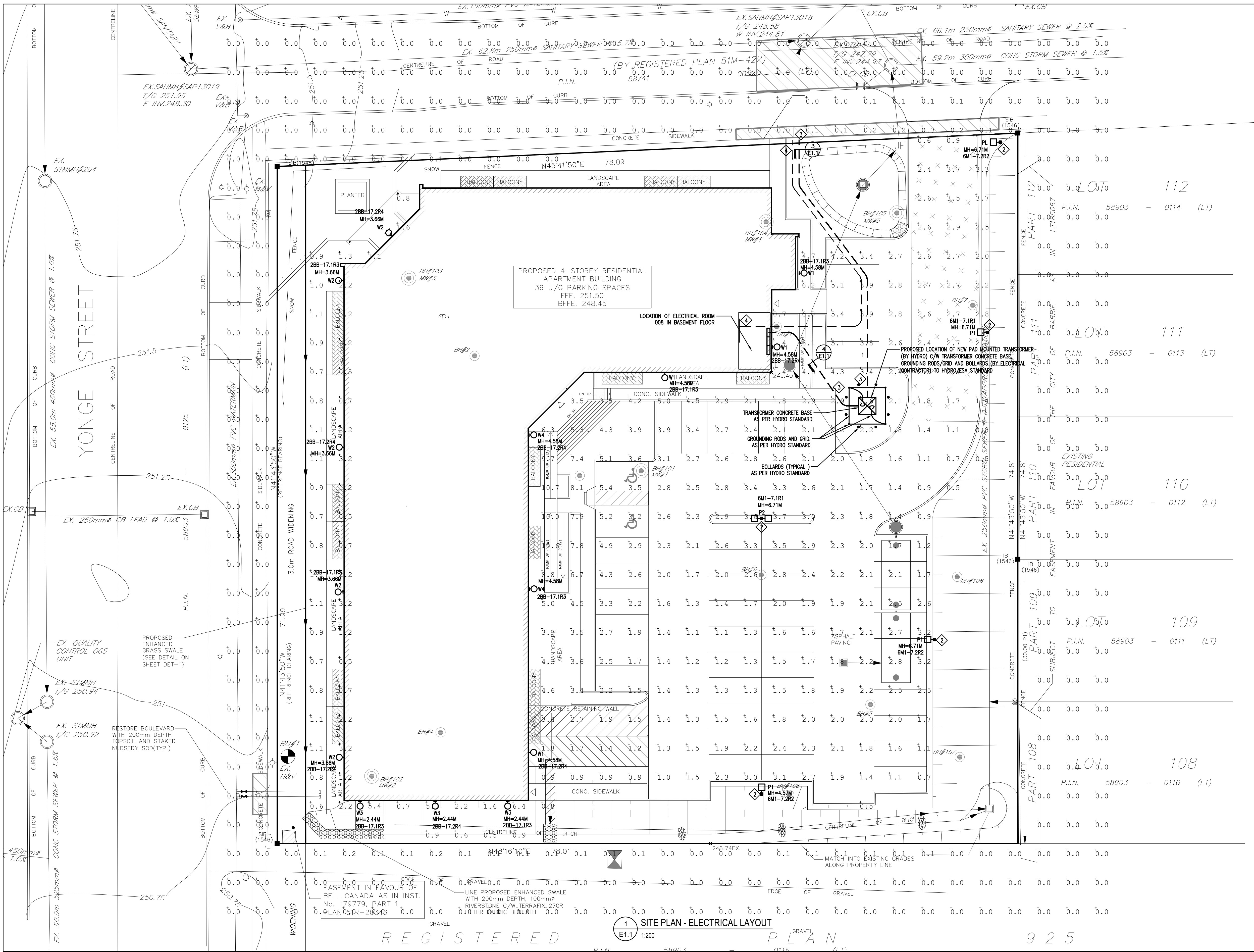
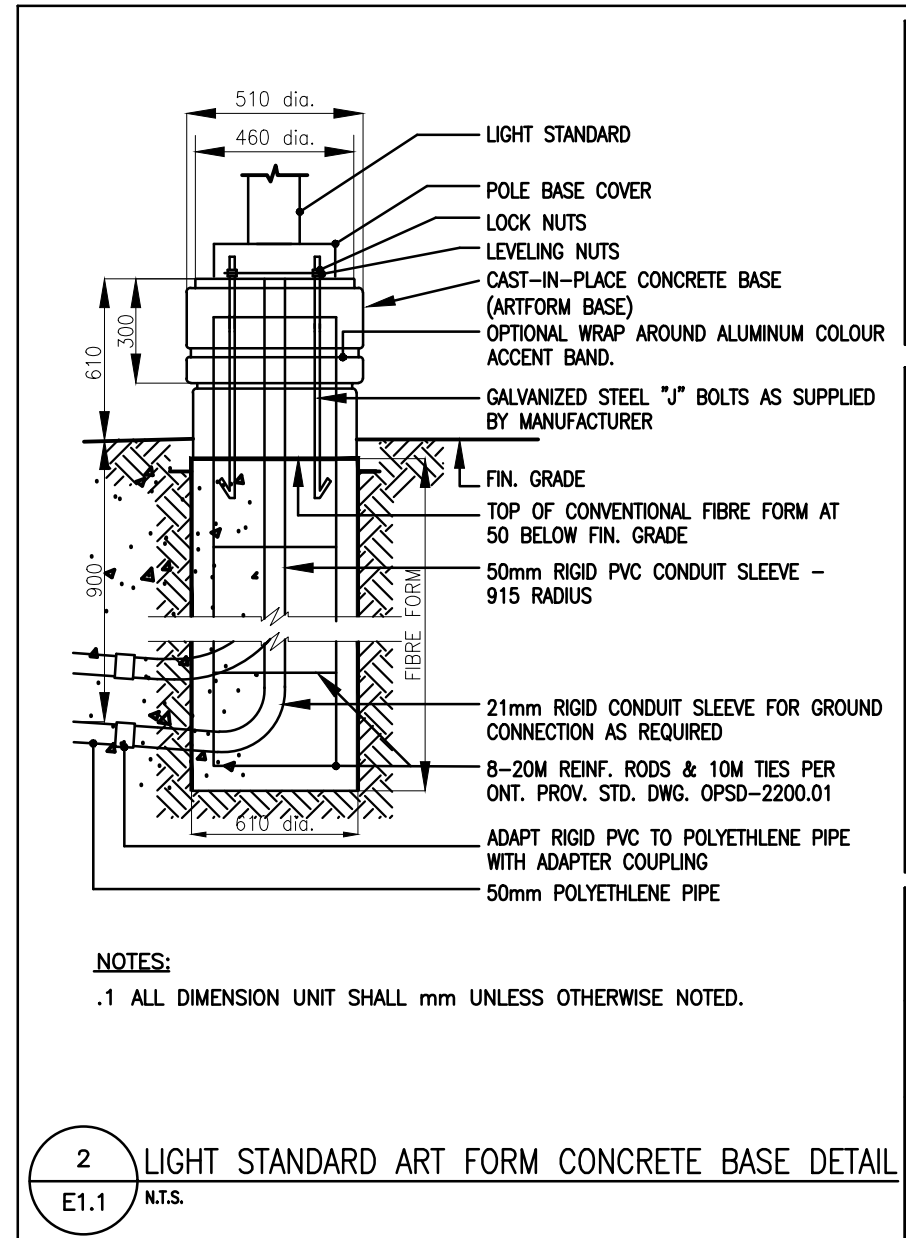
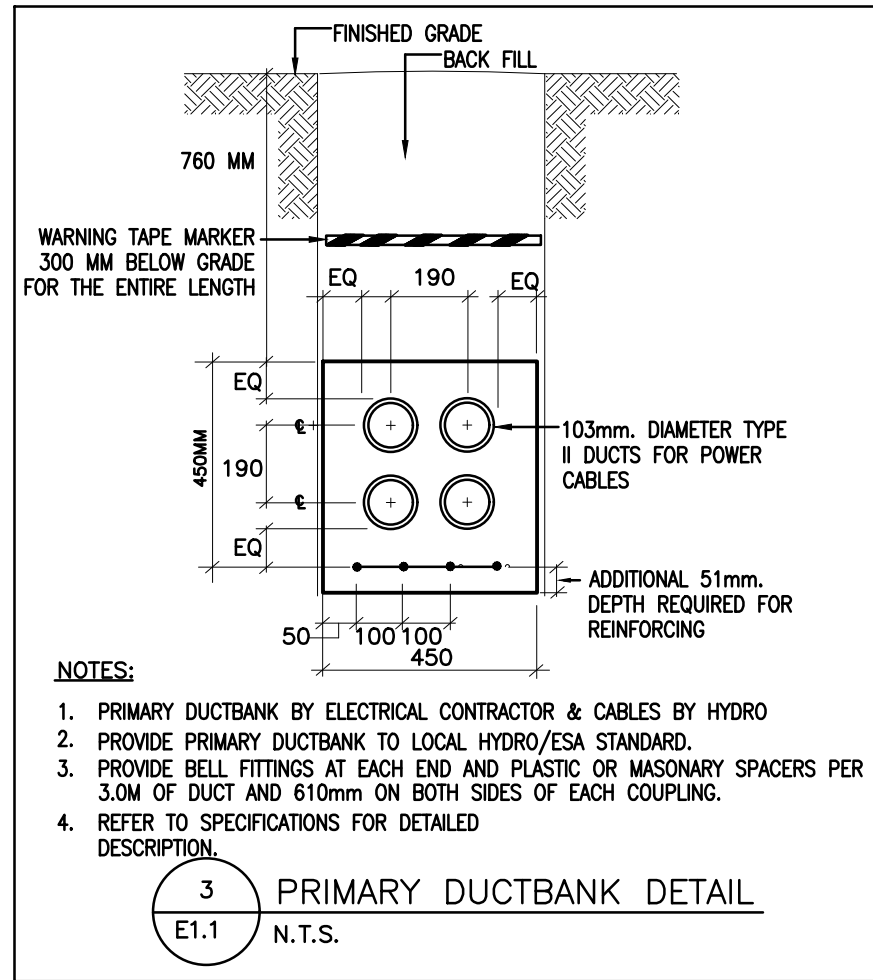
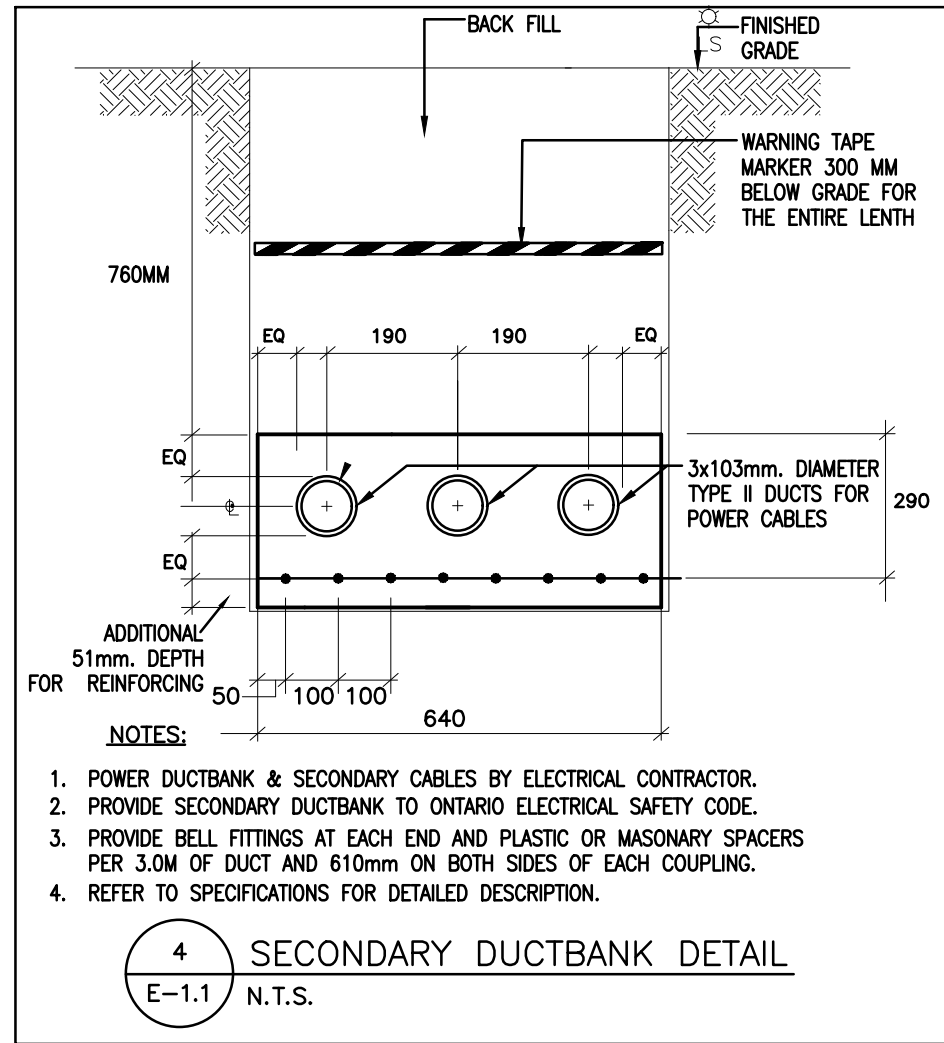




Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LF	Description	Lum. Watts	Lum. Lumens	(MANUFAC)	Bug Rating
	1	P2	BACK-BACK	0.900	ECF-S-32L-700-WW-G2-3	72.9	9034	Garco by Signify	B2-U0-G2
	3	P1	SINGLE	0.900	ECF-S-32L-700-WW-G2-BLC	71.82	8409	Garco by Signify	B0-U0-G2
	4	W1	SINGLE	0.900	101L-16L-1000-WW-G2-4	54.6	5782	Garco by Signify	B1-U0-G2
	5	W2	SINGLE	0.900	111L-16L-200-WW-G3-2	12	1370	Garco by Signify	B1-U0-G0
	1	PL	SINGLE	0.900	ECF-S-32L-700-WW-G2-LCL	71.82	4106	Garco by Signify	B0-U0-G1
	3	W3	SINGLE	0.900	LPM-7-10-WW-G3-2-8	9.7	1051	Keene by Signify	B0-U0-G1
	2	W4	SINGLE	0.900	101L-32L-1000-WW-G2-4	106.7	11237	Keene by Signify	B2-U0-G2
Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min		
LIGHTSPILL	Illuminance	Fc	0.01	0.3	0.0	N/A	N/A		
SITE	Illuminance	Fc	2.50	10.7	0.5	5.00	21.40		
BF PARKING	Illuminance	Fc	4.33	5.4	3.2	1.35	1.69		



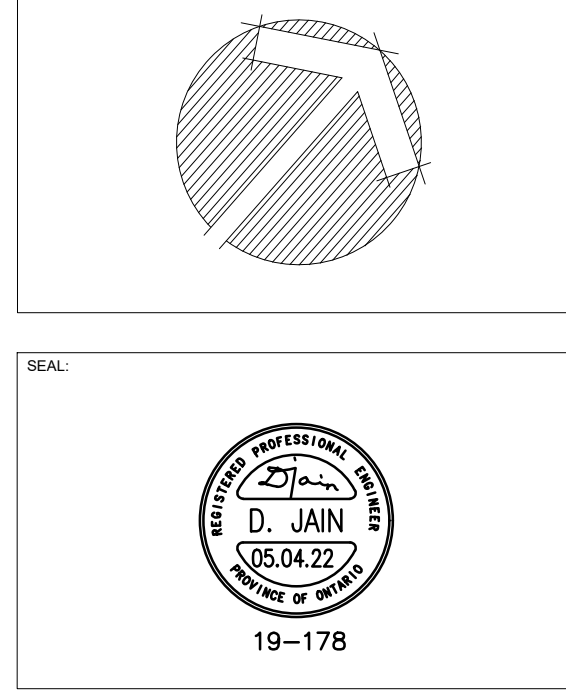
BORED CONCRETE PILE	
VERTICAL REINFORCING: 6-20 M BARS 10M TIES AT 400mm	
MATERIALS: CONC. $f_c = 20$ MPa REINF. = 400MPa	
MINIMUM PILE DIAMETER = 600 mm MINIMUM PILE SIZE = 25 mm MINIMUM PILE DEPTH BELOW GRADE = 1500 mm TO UNDISTURBED BED LEVEL	
PILE DEPTH 6' BELOW FINISHED GRADE	
1. TO BE SELECTED BASED ON CALCULATED BASE SHEAR AND BASE MOMENT IN ACCORDANCE WITH NBC 1985 TABLE 4.1.8A & FIGURE B-18 OF NBC 1985 SUPPLEMENT FOR WIND PRESSURE, 13 mm RADIAL ICE, & EFFECTIVE PROJECTED AREA OF LUMINAIRES	
SUBMIT CALCULATIONS FOR APPROVED LUMINAIRES & POLES BEFORE INSTALLING	
2. TO BE NOT LESS THAN 1500MM BELOW FINISHED GRADE	
3. TOP OF BASE ABOVE FINISHED GRADE AS SPECIFIED, IN EXCESS OF 150MM, INCREASE TO 8 VERTICAL REINFORCING BARS, AND INCREASE ANCHOR LENGTH BY 100MM.	
TYPICAL INSTALLATION	
PRE-SET ANCHOR WITH STUDS AS PER MTC SPEC. OPSD-2215.02	
BOLT CIRCLE DIAMETER MM	MINIMUM ANCHOR LENGTH C MM
450	450
350	450
250	450
200	300

- DRAWING NOTES**
- ELECTRICAL CONTRACTOR TO PERFORM VOLTAGE DROP CALCULATION FOR EXTERNAL LIGHTING CIRCUITS AS PER OESC ALLOWABLE VOLTAGE DROP AND SIZE CABLE ACCORDINGLY.
 - LIGHTING POLE C/W CONCRETE BASE AS PER DETAIL 2/E1.1.
 - ELECTRICAL CONTRACTOR TO COORDINATE WITH POWERSTREAM FOR EXACT ROUTING OF SERVICE CONDUITS AND OTHER REQUIREMENTS PRIOR TO ROUGH-IN.
 - PROVIDE 3-103 mm UNDERGROUND CONDUITS (C/W WARNING TAPES AS PER OESC) FOR TEL/CABLE/FIBRE TO BE LOCATED BELOW GRADE AS PER TABLE-53 OF LATEST OESC REQUIREMENTS AND/OR AS REQUIRED BY SERVICE PROVIDERS (MINIMUM DEPTH OF THE CONDUITS TO BE AS PER TABLE-53 OF OESC). COORDINATE WITH OWNER FOR THEIR SERVICE PROVIDERS INFORMATION AND PROVIDE THE UNDERGROUND CONDUITS FOR TEL/CABLE/FIBRE ACCORDINGLY FROM ELEC. ROOM AT BASEMENT FLOOR (VERIFY ON SITE FOR 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. PROVIDE ALL NECESSARY COORDINATION, EXCAVATION, BACK FILLING, PULL WIRES, ALL MATERIALS, LABOR, ETC. REQUIRED FOR COMPLETE ROUGH-IN SYSTEM. COORDINATE ON SITE & WITH OTHER TRADES (PRIOR TO COMMENCEMENT OF WORK) FOR ROUTES OF THESE UNDERGROUND CONDUITS.



REVISION NO.	DATE	DESCRIPTION

ISSUED TO:	DATE	DESCRIPTION
HYDRO	OCT 2218	FOR REVIEW
CITY	APR 1922	FOR SPA
CITY	APR 1822	FOR SPA
CITY	MAY 0422	FOR SPA



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PROJECT:

PROPOSED APARTMENT BUILDING

481 YONGE STREET
BARRIE, ONTARIO

DRAWN: DP
CHECKED BY: RH
SCALE: AS NOTED
SHEET TITLE: SITE PLAN - ELECTRICAL LAYOUT

DATE: OCT.2019
PROJECT NO.: 19100

REVISION NO.: SHEET NO.:

0 E1.1