



1 Site Plan
1 : 200

HYDRO OTTAWA STANDARDS REFERENCES		
ITEM	SPEC ID	DRAWING TITLE
SWITCH GEAR MANHOLE AND PAD	UCS0025	MAHOLE PRECAST 2 WAY SWITCHING 612 - CONSTRUCTION DETAIL
TRANSFORMER PAD	UCS0001	TRANSFORMER BASE AND PAD 3 PHASE 12 150kVA - 2500kVA
SWITCHGEAR AND TRANSFORMER GROUNDING	UGS0002	GROUNDING, TRANSFORMER OR SWITCHGEAR BASE - CONSTRUCTION DETAIL
EQUIPMENT PROTECTION BOLLARDS	UFS0001	BOLLARDS PROTECTIVE - CONSTRUCTION DETAIL
TRANSFORMER CLEARANCES	UTS0038	TRANSFORMER CLEARANCE

Drawing Notes	
Key #	Comments
1	EXISTING HYDRO OTTAWA PAD MOUNTED SWITCHGEAR, CONCRETE FOUNDATION, PAD, MANHOLE AND BOLLARDS AS PER HYDROOTTAWA STANDARDS.
2	NEW PAD MOUNTED TRANSFORMER SUPPLIED AND INSTALLED BY HYDRO OTTAWA. CONCRETE FOUNDATION, PAD, AND BOLLARDS TO BE PROVIDED BY HYDRO CONTRACTOR AS PER HYDRO OTTAWA STANDARDS.
3	NEW INDOOR EMERGENCY GENERATOR (347/600V, 3Ø, 4W, 250kW/313kVA) C/W BASE FUEL TANK AND SOUND ENCLOSURE. THE GENERATOR TO ALSO BE PROVIDED WITH A BATTERY CHARGER, BLOCK HEATER AND MAIN BREAKER.
4	NEW MAIN UNDERGROUND ELECTRICAL FEED TO THE BUILDING, 347/600V, 3Ø, 4W, 1600A. MAIN FEEDERS SHALL BE 4 PARALLEL RUNS OF 4-500MCM-103Ø CONDUIT.
5	NEW EMERGENCY FEED FROM THE GENERATOR TO THE MAIN EMERGENCY SPLITTER TROUGH, 347/600V, 3Ø, 4W, 250A. FEEDERS SHALL RUN UNDERGROUND.
6	ELECTRICAL FEEDS FROM PANEL P-01 IN MAIN ELECTRICAL ROOM FOR THE GENERATOR BATTERY CHARGER (120V, 15A) AND BLOCK HEATER (120V, 15A).
7	FIBRE OPTIC AND CABLE COMMUNICATION PEDESTALS. COORDINATE EXACT LOCATION ON SITE.
8	PROVIDE ELECTRICAL FEED FOR EXTERIOR SIGN LIGHTING THROUGH THE CONCRETE FOUNDATION OF THE SIGN ALONG WITH SIGN LIGHT FIXTURES AS PER CLIENT REQUIREMENTS (120, 15A, 3-#10AWG, 25Ø).
9	PROVIDE POWER (600V) FOR ROOF MOUNTED ERV UNIT C/W WEATHERPROOF DISCONNECT SWITCH.
10	PROVIDE POWER (600V) FOR ROOF MOUNTED DRY-COOLER C/W WEATHERPROOF DISCONNECT SWITCH.
11	PROVIDE POWER (208V, 3Ø) FOR THE ROOF MOUNTED ELEVATOR SHAFT PRESSURIZATION FAN C/W WEATHERPROOF DISCONNECT SWITCH.
12	PROVIDE ROOFTOP 20A RECEPTACLE FOR EQUIPMENT MAINTENANCE PURPOSES C/W WEATHERPROOF COVER.
13	PROVIDE DUPLEX RECEPTACLE ON DEDICATED CIRCUIT FOR EXTERIOR USE C/W WEATHERPROOF COVER.
14	2-103Ø RIGID PVC CONDUITS (1 FIBRE OPTIC AND 1 CABLE) FOR COMMUNICATIONS TO BE PROVIDED WITH PULL CORDS AND TERMINATE IN THE MAIN ELECTRICAL ROOM ON LEVEL P1. COORDINATE EXACT TERMINATIONS WITH LOCAL UTILITIES.
15	PROVIDE 20A, 208V, 1Ø TWIST LOCK RECEPTACLE FOR SWING STAGE EQUIPMENT C/W WEATHERPROOF COVER.
16	PROVIDE DUPLEX RECEPTACLE ON DEDICATED CIRCUIT MOUNTED ON THE PROPOSED LIGHT POLE FOR EXTERIOR USE C/W WEATHERPROOF COVER.
17	ELECTRICAL BBO OUTLET: NEMA 6-50R RECEPTACLE INSTALLED IN A RECESSED WALL BOX WITH A "WHILE-IN-USE" COVER.

Client

DATE	REVISION	REF
24 MAR 17	ISSUED FOR SITE PLAN APPLICATION	1

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Drawing title/Titre du dessin
**ELECTRICAL
SITE PLAN**

Scale Échelle	AS NOTED PROJUNO	Project no./No. du projet	
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Drawn by Dessiné par	LÉPINE	E000	
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