

**1 SUB-BASEMENT DEMOLITION PLAN**  
SCALE 1 : 150

**DRAWING NOTES:**

- 1 EXISTING 3000kVA T-1 TRANSFORMER SHALL BE REMOVED AND DISCARDED BY THE CONTRACTOR. REFER TO ENVIRONMENTAL SPECIFICATIONS.
- 2 REMOVAL OF VAULT-DOOR TO ACCESS AND REMOVALS BY THE CONTRACTOR. DISPOSAL BY THE CONTRACTOR.
- 3 REMOVE AND DISCARD EXISTING MV-SWITCH T1-CB1.
- 4 REMOVE AND DISCARD 5K SWITCH GEAR, SWG-#2.
- 5 EXISTING 5K FEEDER SHALL REMAIN AND RE-USED FOR NEW ELECTRICAL DISTRIBUTION.
- 6 REMOVE RIGID CONDUIT AND FEEDER BETWEEN SWG-#2 AND 3000kVA TRANSFORMER T1.
- 7 REMOVE 13.2kV FEEDER AND CONDUIT BETWEEN SWG-#1 AND T1-CB1.
- 8 REMOVE FEEDER AND CONDUIT BETWEEN 3000kVA T1 AND PRIMARY SWITCH T1-CB1.
- 9 REMOVE SWB-#1 AND REPLACE WITH NEW. REFER TO SPECIFICATIONS FOR NEW LAYOUT AND DETAILS, 11/E16

- 10 HYDRO SERVICE ENTRY CABLES.
- 11 ACCESS HATCH FOR REMOVALS AND DROP ACCESS FOR NEW EQUIPMENT.
- 12 EXISTING ELECTRICAL EQUIPMENT SHALL BE REMOVED AND REPLACED WITH NEW, REFER TO NEW LAYOUT ON DRAWINGS FOR PART FLOOR PLAN. NEW EQUIPMENT SHALL BE IN THE SAME LOCATION AS THE REMOVED/EXISTING REFER TO 1/E15.
- 13 ALL EXISTING CABLES AND CONDUITS SHALL BE REMOVED AND RE-INSTATED TO THE NEW SWB-#1.
- 14 REFER TO DRAWING E16 FOR TRANSFORMER DETAIL.
- 15 REFER TO DRAWING E15 FOR EXISTING SWB-#1 TOP CONDUIT ENTRY POINTS.
- 16 REPLACE MCC#1, REFER TO DRAWING E16 FOR MCC LAYOUT AND LOADS DETAIL.
- 17 REFER TO DETAIL ON DRAWING E15.
- 18 REPLACE PANEL 'FDP-SA' AND FEEDER FROM MAIN SWITCHBOARD.
- 19 PANEL NP AND NP1 TO BE REPLACED WITH SINGLE PANEL IN ATS#3 ROOM. PROVIDE JUNCTION BOX TO EXTEND CIRCUITS AND FEEDERS.

- 20 SWG-#1 SHALL BE REMOVED AND REPLACED UPON COMPLETION OF PHASE 1 AND 2. WORK AND SCHEDULE NEW INSTALLATIONS WITH HYDRO OTTAWA.
- 21 REFER TO HYDRO OTTAWA DETAIL AND DRAWINGS FOR SWG-#1.
- 22 CONTRACTOR TO PROVIDE BILINGUAL LAMACOID FOR EXISTING PANEL TO INDICATE BREAKERS ARE PART OF A SERIES RATED SYSTEM, AND MAY BE REPLACED ONLY BY COMPONENTS HAVING THE SAME TYPE AND RATING.
- 23 MCC1; NEW STARTERS SHALL MATCH EXISTING LOADS C/W E-MAGNETIC STARTERS. CONTROLS TO BE REINSTALLED, COORDINATE WITH ELECTRICIAN.
- 24 ATS#1 TO BE RELOCATED TO ADJACENT ROOM. REFER TO DRAWING E-15.
- 25 EXISTING FIRE PUMP DISCONNECT TO BE REMOVED. NEW MI CABLES TO BE PROVIDED BETWEEN FIRE PUMP CONTROLLER AND FIRE PUMP BREAKER IN NEW SWB#1.
- 26 REMOVE EXISTING ELECTRICAL EQUIPMENT AND PROVIDE NEW TO BE LOCATED IN EXISTING LOCATION.
- 27 REMOVAL OF SWG-#1 MV SWITCH BY THE ELECTRICIAN - COORDINATE REMOVAL WITH HYDRO.
- 28 EXISTING BUS FEEDING 333kVA TRANSFORMER FOR SWG-#1 SHALL BE REMOVED BY THE ELECTRICIAN, COORDINATE WITH HYDRO.

**GENERAL NOTE:**

1. NEW EQUIPMENT SHALL BE INSTALLED IN THE EXISTING LOCATIONS, ADJUSTMENTS CAN BE MODIFIED DURING CONSTRUCTION.
2. PROVIDE LAMACOID PLATE IDENTIFICATION FOR ALL NEW EQUIPMENT AND PANEL SCHEDULES.



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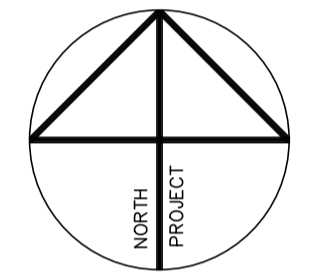
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North/Nord



revisions	date
G	ISSUED FOR REV.1 EMIS POUR REV.1 09/FEB/15
F	ISSUED FOR TENDER EMIS POUR SOUMISSION 03/FEB/15
E	ISSUED FOR 100% REVIEW EMIS POUR REVISION 100% 15/JAN/15
D	ISSUED FOR 100% REVIEW EMIS POUR REVISION 100% 15/DEC/14
C	ISSUED FOR 99% REVIEW EMIS POUR REVISION 99% 19/NOV/14
B	ISSUED FOR 66% REVIEW EMIS POUR REVISION 66% 07/OCT/14
A	ISSUED FOR 33% REVIEW EMIS POUR REVISION 33% 13/AUG/14

A	A detail no. no. de detail	A
B	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project project

**HIGH AND LOW VOLTAGE –  
ELECTRICAL UPGRADES**

**AMÉLIORATIONS ÉLECTRIQUES –  
HAUTE ET BASSE TENSION**

229 WELLINGTON STREET  
OTTAWA, ONTARIO

drawing dessin

**SUB-BASEMENT  
FLOOR PLAN**

scale	AS SHOWN	
designed	C. McGUIRE	conçu
date	20/06/2014	
drawn	M.A. DUFOUR	dessiné
date	20/06/2014	
reviewed	K. BOCHERT	examiné
date	20/06/2014	
approved	K. BOCHERT/C. McGUIRE	approuvé
date	20/06/2014	
Tender	.....	Soumission
PWC Project Manager	Administrateur de projets TPC	
project number	no. du projet	
R.069893.001		
drawing no.	no. du dessin	

**E1**