

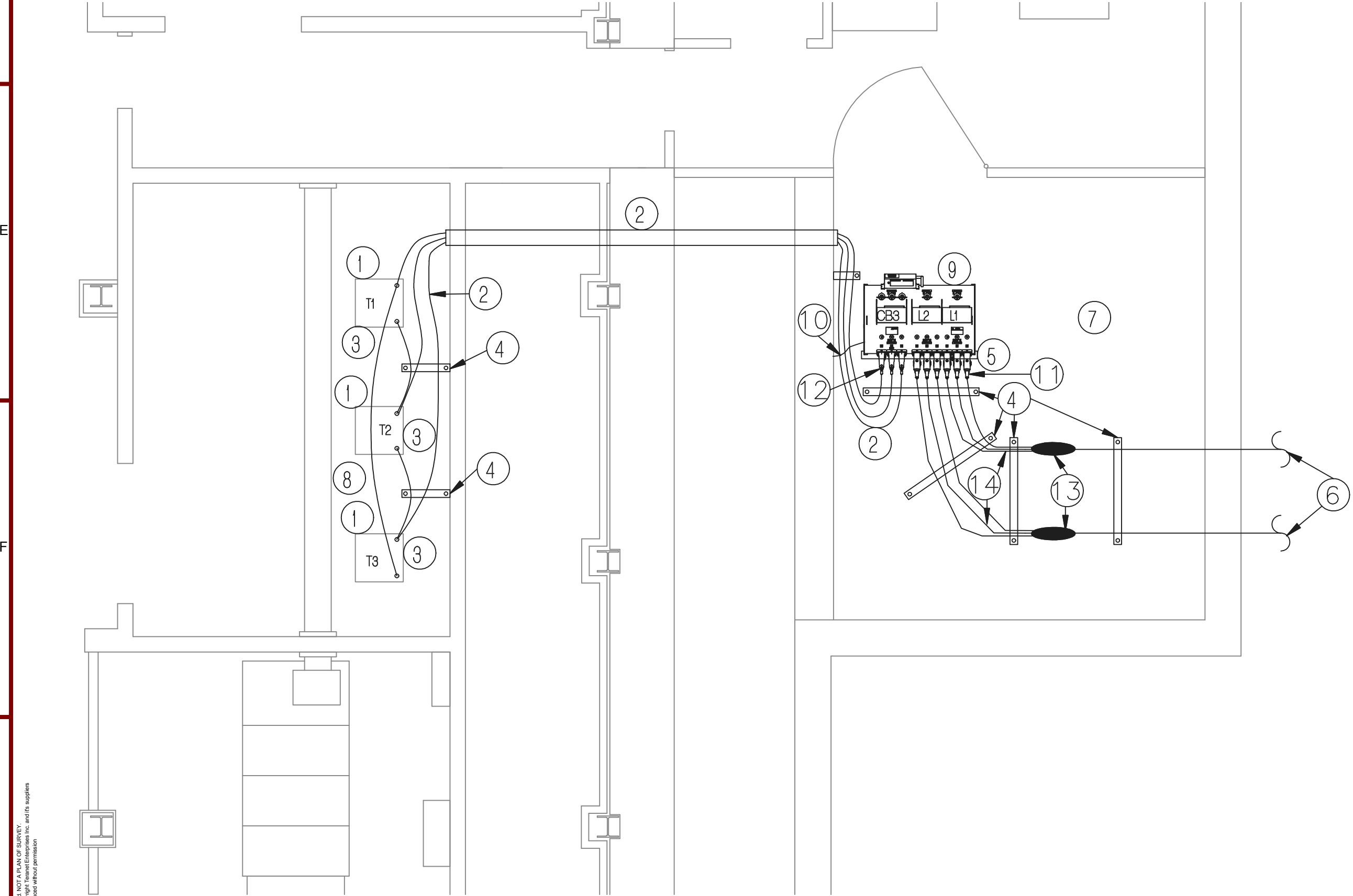
EXISTING VAULT VT259
N.T.S.

EXISTING VAULT VT259 Notes:

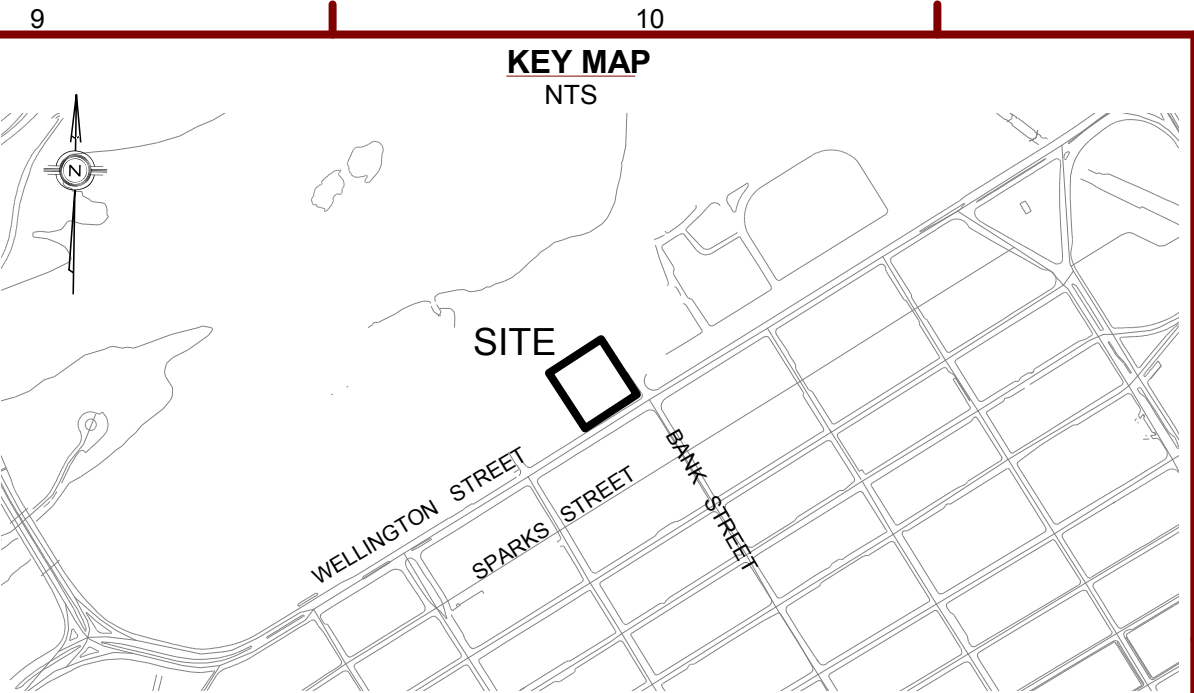
- EXISTING CUSTOMER OWNED OCB 15kV SWITCHGEAR TO BE REMOVED BY CUSTOMER USING AN APPROVED H/O HIGH VOLTAGE CONTRACTOR UNDER **PHASE 2**.
- EXISTING PRIMARY BUS FEEDING 3 X 333kVA TRANSFORMERS TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 2**.
- EXISTING PRIMARY BUS IN TRANSFORMER ROOM TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 2**.
- EXISTING PRIMARY BUS FEEDING CUSTOMER OWNED 15kV SWITCHGEAR TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 1**.
- CUSTOMER OWNED 15kV SWITCHGEAR TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 1**.
- CUSTOMER OWNED 3000kVA 13.2/4.16 TRANSFORMER TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 1**.
- EXISTING 500MCM, 15kV, PILC CABLES TO BE DISCONNECTED FROM SWITCHGEAR BY HOL UNDER **PHASE 2**.
- CUSTOMER OWNED 5kV SWITCHGEAR TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 1**.
- EXISTING FEEDER AND RIGID CONDUIT TO BE REMOVED BY CUSTOMER USING A HIGH VOLTAGE CONTRACTOR UNDER **PHASE 1**.
- EXISTING ACCESS HATCH.
- EXISTING CUSTOMER OWNED SECONDARY SWITCHBOARD TO BE REMOVED AND REPLACED WITH A NEW 1200A, 347/600V SWITCHBOARD UNDER **PHASE1**.

Vault TV10659 Notes:

- EXISTING 3-333kVA VAULT TRANSFORMERS T1, T2, AND T3, OWNED BY HOL, TO REMAIN.
- PROPOSED 1/0, 15kV XLPE PRIMARY BUS CABLES, BY HOL.
- ALL PRIMARY TERMINATIONS AT TRANSFORMERS AS PER UJS0200, BY HOL.
- SUPPORT STRUCTURE INSTALLED BY OTHERS. EXACT SUPPORT LOCATION TO BE DETERMINED ON SITE.
- PROPOSED VAULT CABLE LADDER, FLOOR TO CEILING, BY OTHERS.
- EXISTING 500MCM 15kV PILC PRIMARY LOOP CABLES, OWNED BY HOL, TO REMAIN.
- PROPOSED VAULT CONSTRUCTION TV10428 TO MEET OBC AND ESA REQUIREMENT, BY OTHERS.
- PROPOSED SECONDARY CABLES FOR BUILDING, BY OTHERS.
- PROPOSED 3-WAY S&C VISTA SWITCHGEAR, BY HOL.
- SWITCHGEAR GROUNDING TO BE 4/0 AWG FOR THE GROUND BUS, 2/0 AWG FOR THE SWITCH CASE, BY HOL.
- PRIMARY TERMINATIONS ON THE -L1 AND -L2 AS PER UJS0400 (ITEM #600100), BY HOL.
- PROPOSED PRIMARY TERMINATIONS ON THE -CB3 AS PER UJS0400 (ITEM #600225), BY HOL.
- PROPOSED PILC TO XLPE SPLICES, BY HOL.
- PROPOSED 500MCM 15kV XLPE PRIMARY LOOP CABLES, BY HOL.



PROPOSED VAULT TV10659
N.T.S.



GENERAL NOTES

- All construction shall be completed using approved Hydro Ottawa construction standards (latest edition) and/or details specified in the project drawing(s).
- External workforces may obtain the latest edition of applicable Hydro Ottawa standards and/or design specifications at www.hydroottawa.com.
- Prior to undertaking work within the safe limits of approach to Hydro Ottawa overhead plant (as defined in the Occupational Health and Safety Act), contact the designated Hydro Ottawa project manager or Hydro Ottawa Service Desk at 613-738-6400, Option 4.
- Obtain utility locates prior to commencement of any excavation.
- Where excavation within 1.5 metres of Hydro Ottawa underground plant, contact the designated Hydro Ottawa project manager or Hydro Ottawa Service Desk at 613-738-6400, Option 4.

PROJECT NOTES

- A site meeting is required with the electrical and general contractors prior to the service installation. The purpose of the meeting is to coordinate the work, review the responsibilities of Hydro Ottawa, the general contractor and the electrical contractor and to ensure the installation of the transformer and cable ducts adhere to our specifications.
- Where existing grades are greater or less than 150mm of final grade, grade stakes indicating final grade shall be provided at, or along each installation as required by Hydro Ottawa.
- As-Built drawing(s) shall be completed for this project. Each drawing issued for construction shall be marked "As-Built" with the appropriate Hydro Ottawa Construction Verification Program (CVP) sign-offs completed.
- All secondary service cables on private sites shall be installed, owned and maintained by the Developer unless otherwise noted by Hydro Ottawa.
- The Developer shall supply all cable lugs and terminate all Customer-owned cables at the transformer.
- Primary cable shall be installed in accordance with Hydro Ottawa specification GCS0004 unless otherwise noted.
- Civil work shall be installed in accordance with Hydro Ottawa specification GCS0005 unless otherwise noted.
- Completed ducts shall be rodged by the site contractor in the presence of a Hydro Ottawa Inspector and shall be clear of all extraneous material. A mandrel to nominal diameter of the duct and approved by Hydro Ottawa will be passed through each duct. One (1) 9mm polypropylene rope shall be left in each duct.
- Underground secondary cable termination and testing shall be in accordance with Hydro Ottawa GCG0001, by others.
- Primary service shall be installed in accordance with Hydro Ottawa's Primary Voltage Service Guideline, GCS0002.

PROJECT DETAILS


SYSTEM INFORMATION (TO BE CONFIRMED WITH SYSTEM OFFICE)	
AFFECTED CIRCUIT(S)	5203
PRIMARY VOLTAGE(S)	13.2kV
SECONDARY VOLTAGE(S)	1200A, 3PH, 4W, 347/600

INFORMATION		EXISTING CABLE / CONDUCTOR	
EXISTING POLE OWNER		PRIMARY	500MCM, 15kV, PILC, Cu
PROPOSED POLE OWNER		NEUTRAL	
RULING SPAN OF PROP. POLES		SECONDARY	
ASSESSED CLASS OF SOIL		PROPOSED CABLE / CONDUCTOR	
SWITCH GEAR	3 WAY VISTA		
TRANSFORMER	EXIST. 3x333kVA		
CB1 - FUSE	65K		
CURRENT LIMITING FUSE		PRIMARY	500MCM, 15kV, PILC, Cu 500MCM, 15kV, XLPE, Cu 1/0, 15kV, XLPE, Cu
ACCESS ROUTE		NEUTRAL	
		SECONDARY	

DRAWING INDEX / REFERENCE		
1.	Sheet 1 of 2	CIVIL DESIGN, LEGEND, SLD
2.	Sheet 2 of 2	VAULTS, VAULT NOTES
3.		
4.		
ASSOCIATED PROJECTS		<input type="checkbox"/> COM <input type="checkbox"/> TOH <input type="checkbox"/> TUG <input type="checkbox"/> RES <input type="checkbox"/> SUB <input type="checkbox"/> _____
REFERENCED PROJECTS		

HYDRO OTTAWA LIMITED - FINAL RECORD OF INSPECTION & CVP CERTIFICATE					
THIS IS TO CERTIFY THAT THE CONSTRUCTION WORK COMPLETED AND SPECIFIED ON THE ABOVE-MENTIONED PLANT IS CONSISTENT WITH THE APPROVED PLAN, STANDARD DESIGNS OR WORK INSTRUCTION AND THAT APPROVED EQUIPMENT HAS BEEN USED.					
P.M. TO INITIAL WHEN APPLICABLE	TYPE OF INSPECTION REQ'D	DATE COMPLETED	VERIFIED BY	POSITION	SIGNATURE
1)	CIVIL PLANT				
2)	DISTRIBUTION/STATIONS PLANT				
3)					

REV.		DATE:	CHANGE:	REVISIONS		PREP	CHKD	APPD
REV.		DATE:	CHANGE:					
REV.		DATE:	CHANGE:					
REV.		DATE:	CHANGE:					
REV.		DATE:	CHANGE:					
REV.		DATE:	CHANGE:					

		TITLE	
REP: J. JARBEAU / NB		CONFEDERATION BUILDING VAULT UPGRADE 229 WELLINGTON ST. R.069893.001	
CHKD: J. PATENAUDE			
APPD: GLENN MAGILL C.E.T.			
DATE: 2015-01-12			
SCALE: 1:250 @ ANSI D		NO: 92010585-COM	2 OF 2
			REV: 0