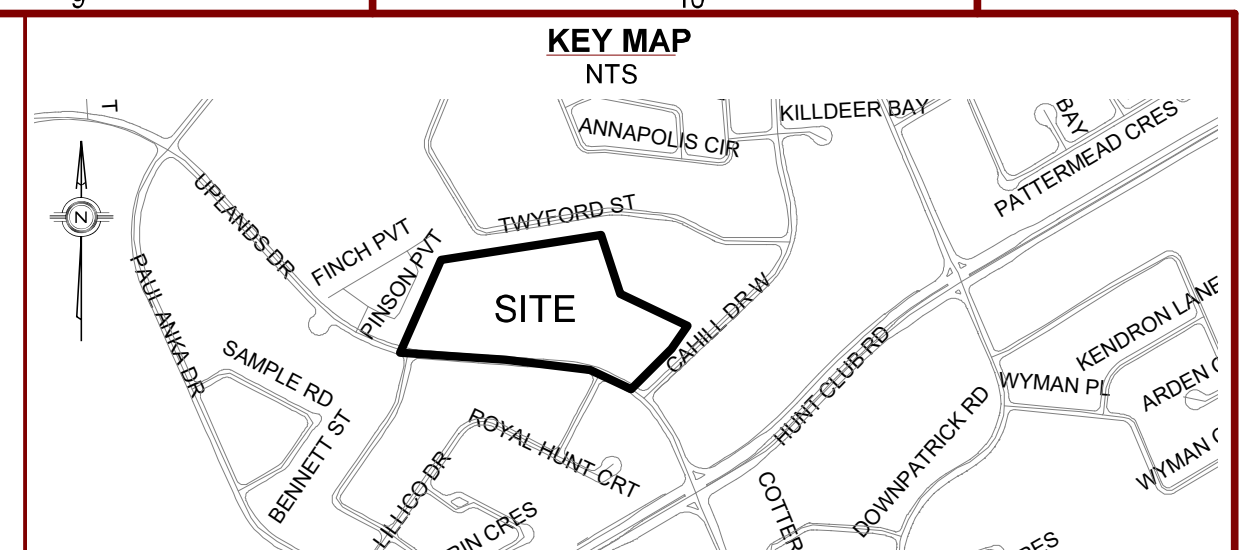


EXISTING / PROPOSED SINGLE LINE DIAGRAM
N.T.S.



- 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**
- 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.
 - Note existing Hydro Ottawa easements and proposed requirements for easements in favour of Hydro Ottawa on project drawing(s).
 - Primary conductors to be sagged as per ruling span noted below and attached Sag Chart or by using the applicable Hydro Ottawa Sag and Tension Table.
 - Neutral conductor to be tensioned for field spun secondary bus as per attached Sag Chart or by using the applicable Hydro Ottawa Sag and Tension Table.
 - Types of anchors selected for this project are based on anchor holding capacity in the soil class noted below. Where soil class varies from specified, contact the Project Manager.
 - The Developer shall provide easement in favour of Hydro Ottawa for all townhouse blocks.
 - The Developer shall provide to Hydro Ottawa, a 2.0M wide x 3.0M deep specific easement on the frontage of each lot where a transformer is located.
 - Secondary duct drops shall extend 2.0M inside the property line at communications pedestals.
 - 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.
 - Connection to existing concrete duct banks shall be completed by an approved Hydro Ottawa contractor. All work on existing Hydro Ottawa plant shall be completed in the presence of a Hydro Ottawa Inspector and in accordance with the Occupational Health and Safety Act.
 - Civil work shall be installed in accordance with Hydro Ottawa specification GCS0005 unless otherwise noted.
 - Completed ducts shall be rodded 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 terminations and testing shall be in accordance with Hydro Ottawa guideline GCG0001, by others.

PROJECT DETAILS

SYSTEM INFORMATION (TO BE CONFIRMED WITH SYSTEM OFFICE)	
AFFECTED CIRCUIT(S)	AQ06
PRIMARY VOLTAGE(S)	4.16kV
SECONDARY VOLTAGE(S)	120/240V

INFORMATION		EXISTING CABLE / CONDUCTOR	
EXISTING POLE OWNER		PRIMARY	
PROPOSED POLE OWNER		NEUTRAL	
RULING SPAN OF PROP. POLES		SECONDARY	
ASSESSED CLASS OF SOIL			
SWITCH GEAR			
TRANSFORMER		PROPOSED CABLE / CONDUCTOR	
POWER FUSE		PRIMARY	1/0 15kV AL XLPE
CURRENT LIMITING FUSE		NEUTRAL	
ACCESS ROUTE		SECONDARY	

DRAWING INDEX / REFERENCE

1.	Sheet 1 of 2	DESIGN, LEGEND
2.	Sheet 2 of 2	DESIGN, SLD
3.		
4.		

ASSOCIATED PROJECTS COM TOH TUG RES SUB

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	PREP	CHKD	APPD

HydroOttawa

PREP: J. HOWARD / K. SANSOM
 CHKD:
 ASSETS:
 APPD:
 DATE:
 SCALE: 1:500 @ ANSI D

TITLE
**CAHILL DRIVE
 CABLE REPLACEMENT**

NO: 9202013590-TUG
 REV: 2
 OF: 2
 0-1

PRELIMINARY