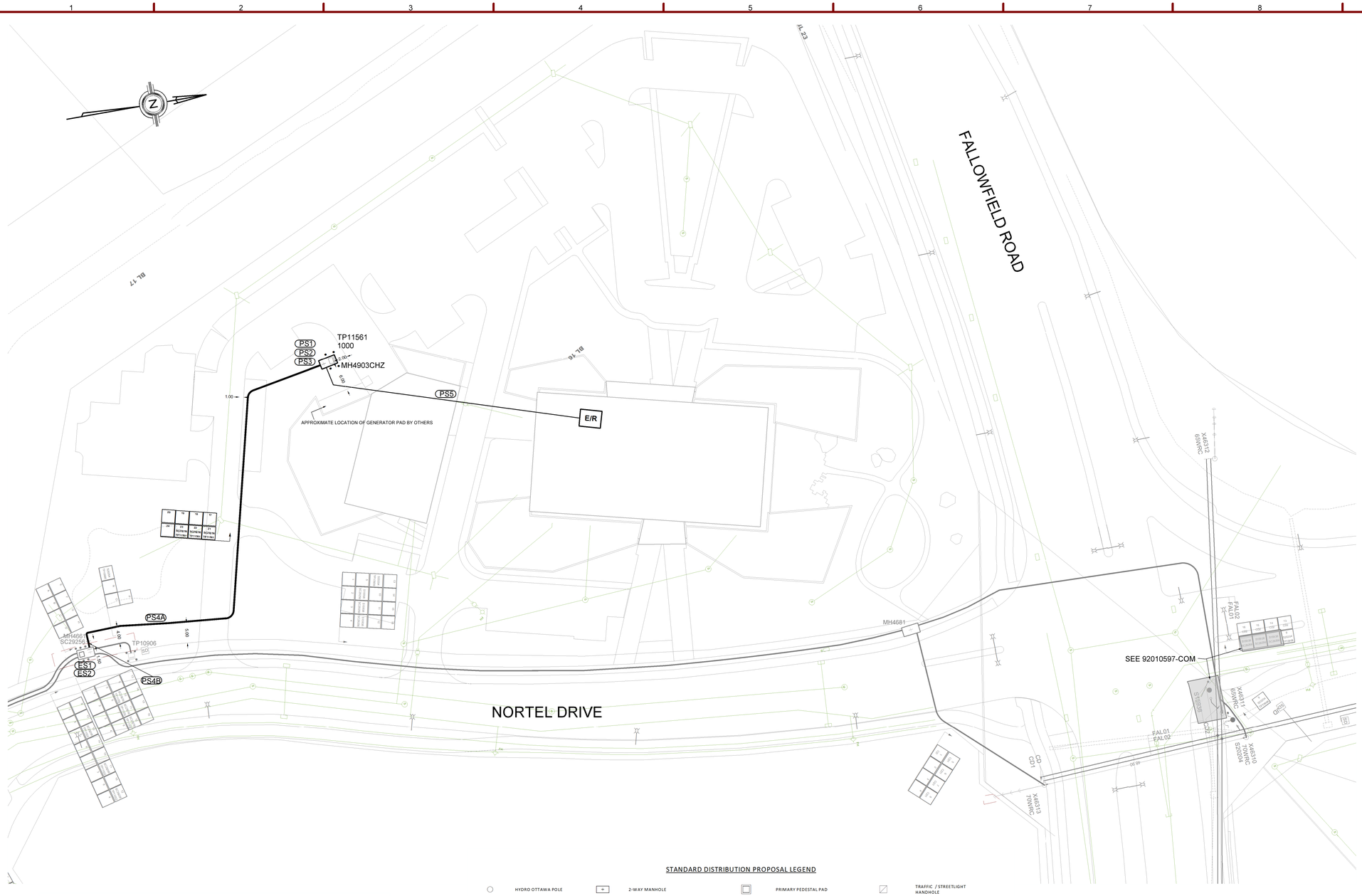

KEY MAP

NTS

GENERAL NOTES

A. All construction shall be completed using approved Hydro Ottawa construction standards (latest edition) and/or details specified in the project drawing(s).
B. External workforces may obtain the latest edition of applicable Hydro Ottawa standards and/or design specifications at www.hydroottawa.com.
C. 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.
D. Obtain utility locates prior to commencement of any excavation.
E. 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

I. 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.
II. 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.
III. Note existing Hydro Ottawa easements and proposed requirements for easements in favour of Hydro Ottawa on project drawing(s).
IV. All secondary service cables on private sites shall be installed, owned and maintained by the Developer unless otherwise noted by Hydro Ottawa.
V. The Developer shall supply all cable lugs and terminate all Customer-owned cables at the transformer.
VI. Primary cable shall be installed in accordance with Hydro Ottawa specification GCS0004 unless otherwise noted.
VII. 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.
VIII. Civil work shall be installed in accordance with Hydro Ottawa specification GCS0005 unless otherwise noted.
IX. 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.
X. 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)	FAL01
PRIMARY VOLTAGE(S)	27.6kV
SECONDARY VOLTAGE(S)	347/600V

INFORMATION	
EXISTING POLE OWNER	N/A
PROPOSED POLE OWNER	N/A
RULING SPAN OF PROP. POLES	N/A
ASSESSED CLASS OF SOIL	N/A
SWITCH GEAR	Ex.4 WAY SF6
TRANSFORMER	1000kVA
POWER FUSE	150K
CURRENT LIMITING FUSE	3545125M71M
ACCESS ROUTE	NORTEL DRIVE

EXISTING CABLE / CONDUCTOR	
PRIMARY	28kV 1/0 XLPE AL 28kV 1000MCM XLPE AL
NEUTRAL	CONCENTRIC
SECONDARY	N/A

PROPOSED CABLE / CONDUCTOR	
PRIMARY	28kV 1/0 XLPE AL
NEUTRAL	CONCENTRIC
SECONDARY	CUSTOMER OWNED

DRAWING INDEX / REFERENCE

1.	Sheet 1 of 2	PLAN, LEGEND, CABLE TABLE
2.	Sheet 2 of 2	MH DETAILS, SLD, CONSTRUCTION DATA TABLE
3.		
4.		
ASSOCIATED PROJECTS	☐ COM ☐ TOH ☐ TUG ☐ RES ☐ SUB ☐	
REFERENCED PROJECTS	92010311, 92010597	

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)					

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

HydroOttawa

PREP: S. JORDAN / A.I.
CHKD: S.WARREN
APPD: J. PEGG P.ENG
DATE: 09/29/2016
SCALE: 1:500 @ ANSI D

TITLE

4501 STRANDHERD DRIVE TOMLINSON HEADQUARTERS

NO: 92012445-COM

1 OF 2 REV: 0

PROPOSED CABLE WORKS TABLE

DUCT LABEL	CIRCUIT	CABLE TAG
SC29256 TP11561	FAL01	SC29256-CB4 TP11561-HA

STANDARD DISTRIBUTION PROPOSAL LEGEND

- HYDRO OTTAWA POLE
- FOREIGN OWNED POLE
- JOINT USE POLE
- POLE ANCHOR
- SPAN GUY
- HANDHOLE
- 2-WAY MANHOLE
- SWITCHING MANHOLE
- 4-WAY MANHOLE
- 3-WAY MANHOLE
- PMH SWITCHGEAR PAD
- TRANSFORMER / SWITCHGEAR PAD
- PRIMARY PEDESTAL PAD
- DIRECT BURIED DUCT
- CONCRETE ENCASED DUCT
- DIRECT BURIED CABLE
- DIRECT BURIED DUCTBANK
- CONCRETE ENCASED DUCTBANK
- TRAFFIC / STREETLIGHT HANDHOLE
- SECONDARY PEDESTAL PAD
- SPLICE PIT
- X — TO BE REMOVED / ABANDONED
- 1-PHASE PRIMARY CONDUCTOR
- 2-PHASE PRIMARY CONDUCTOR
- 3-PHASE PRIMARY CONDUCTOR
- UNDERGROUND CABLE
- 1-PHASE O/H SECONDARY CONDUCTOR
- CONNECTION POINT, CABLE RISER
- GROUND
- FULL SWITCHING ELBOW
- NON-OPERABLE ELBOW (600A)
- STRESS CONE
- POTHEAD
- PRIMARY METER ENCLOSURE
- SECONDARY METER BANK (# PREMISES)
- FAULT CIRCUIT INDICATOR
- SECONDARY PEDESTAL
- SECONDARY DISCONNECT ENCLOSURE
- STREETLIGHT
- AC GENERATOR
- DC GENERATOR
- CABLE SPLICE
- 1-PHASE POLE MOUNT TRANSFORMER
- 3-PHASE POLE MOUNT TRANSFORMERS (BANKED)
- PADMOUNT TRANSFORMER
- STEP TRANSFORMER (RABBIT)
- KIOSK
- CAPACITOR
- VOLTAGE REGULATOR
- POLE MOUNTED RECLOSER
- REMOTELY OPERATED SWITCH (MOTORIZED, COMPLEX, GANG, LOAD BREAK)
- NORMAL OPEN POINT
- FIXED FUSE
- SWITCHABLE FUSE (NON-GANG, NON LOAD BREAK)
- SOLID BLADE SWITCH (MANUAL,NON-GANG, NON LOAD BREAK)
- SOLID BLADE SWITCH (MANUAL, GANG OPERATED , LOAD BREAK)
- REMOTELY OPERATED SWITCH (MOTORIZED, SIMPLE, GANG, LOAD BREAK)
- LOCALLY OPERATED SWITCH (MOTORIZED, SIMPLE, GANG, LOAD BREAK)
- DOUBLE SOLID BLADE SWITCH (GANG, DOUBLE LOAD BREAK)
- MID-SPAN OPENER
- LINE CLAMP

0 10 20 30 40 50 m