

# Schedule B

## Customer Obligations Letter

Project Type: Upgrade

Customer: The Regional Municipality Of York

Required Execution Date of Contract: Dec 30, 2024

## SECTION 1: Contact Information

<b>Distributor:</b>	Hydro One Networks Inc. HST # 870865821 RT001 ECRA/ESA Licence No. 7002572	<b>Hydro One's Field Business Centre Address:</b>	913 Crawford Dr Peterborough, ON K9J 3X1
<b>Hydro One's Field Business Centre Hours of Operation:</b>	Monday to Friday 7:00 a.m. to 4:30 p.m.	<b>Hydro One's Field Business Centre: Phone Number:</b>	1-888-871-3514
<b>Hydro One's Field Business Centre: E-mail Address:</b>	FBCPeterborough@HydroOne.com	<b>Hydro One's Field Business Centre: Fax Number</b>	1-705-743-0471
<b>Customer ("you or your"):</b>	The Regional Municipality Of York	<b>Customer's Billing Address:</b>	17250 Yonge St Newmarket ON L3Y 6Z1

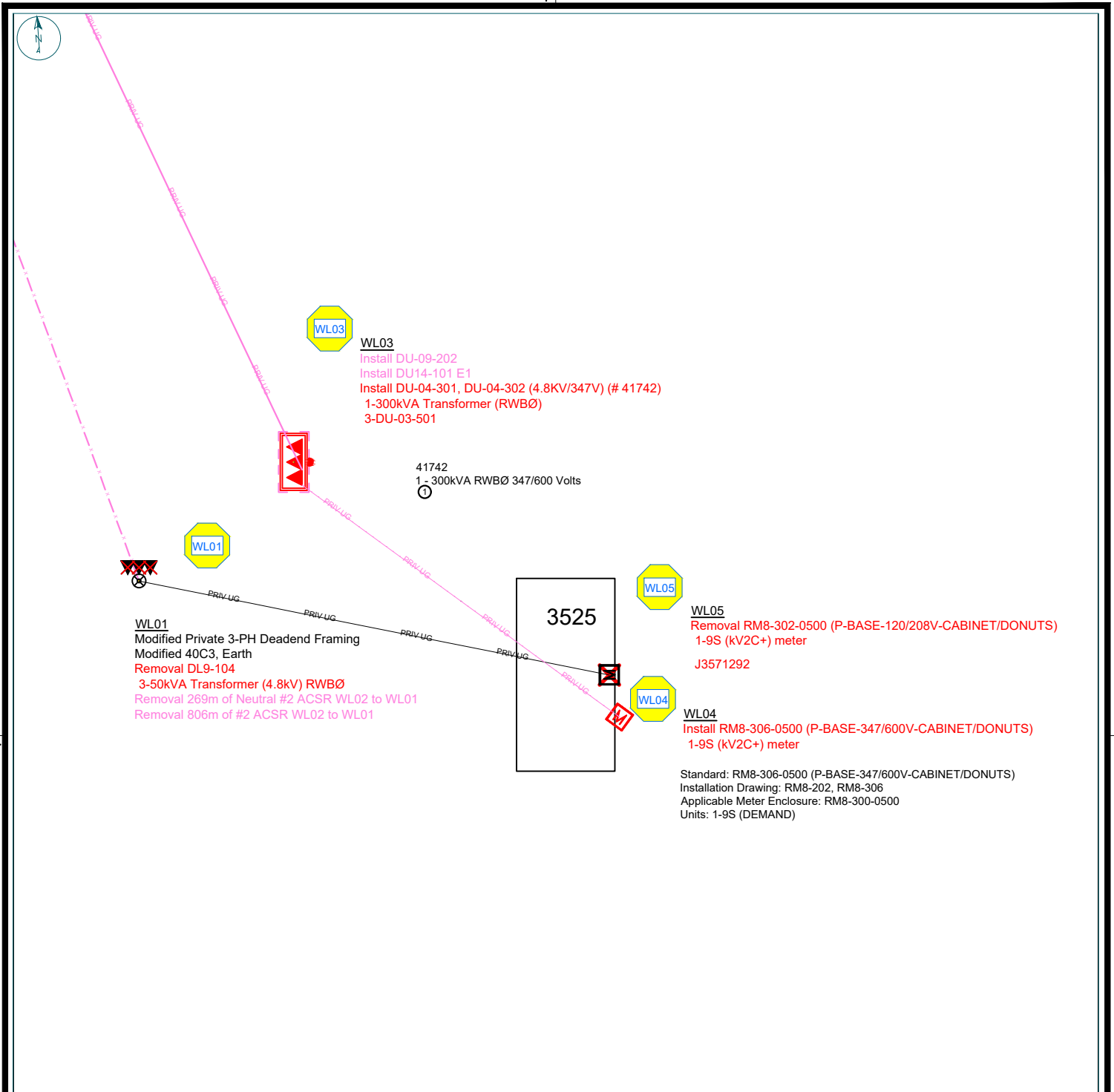
## SECTION 2: Work Order Details

<b>Notification Number:</b>	303388956	<b>Concession:</b>	5
<b>Work Order Number:</b>	64268567	<b>Lot:</b>	23
<b>Construction Measure Number:</b>	660508	<b>Township:</b>	Georgina
		<b>Address:</b>	3525 BASELINE RD Georgina L0L 1P0

## SECTION 3: Customer Obligations

### **Schedule B Customer Work:**

- All poles/wire/anchors/trenching on private property is your responsibility. To be built to current OESC and is subject to ESA approval.
- (UG) Transformer location to be no more than 5m from year-round drivable surface.
- Three weeks before connection arrange for delivery of CTs and P-base enclosure. Mount P-base on exterior wall so that window is 5-ft above ground level (1/4" lugs & shields or tap con screws only).
- Install main disconnect with a 4' x 4' lockable metering cabinet on load side of disconnect.
- Install 1-1/4" solid conduit with factory bends (include pull rope) from metering cabinet outside into P-base enclosure.
- Cut/terminate secondary to Hydro One installed CTs.
- Supply & install precast cement transformer vault (BCP-114P or equivalent) + (BCP114T6 or equivalent) no more than 3m from year-round drivable surface complete with grounding to Hydro One standards.
- Supply & install 3 x 2/0 ALUM 28kV rated XLPE coated primary wire with 100% concentric neutral. Provide necessary coils at each end for Hydro One to connect.
- Provide clean mason sand for Hydro One to cover wires. The remainder of backfill is your responsibility.
- Supply & install all secondary conductor to ESA spec. Terminate at transformer with 2-hole 3/8" diameter terminal connectors. Leave 3m extra for Hydro One to make final connections to transformer.



## LINETYPES

---	OVERHEAD - 1PH
---	OVERHEAD - 2PH
---	OVERHEAD - 3PH
---	OVERHEAD - Sec.
---	OVERHEAD - Priv. 1PH
---	OVERHEAD - Priv. 2PH
---	OVERHEAD - Priv. 3PH
---	UNDERGROUND - 1PH
---	UNDERGROUND - 2PH
---	UNDERGROUND - 3PH
---	UNDERGROUND - Sec.
---	UNDERGROUND - Priv. 1PH
---	UNDERGROUND - Priv. 2PH
---	UNDERGROUND - Priv. 3PH
---	UNDERGROUND - Priv. Sec.
---	SUBMARINE - 1PH
---	SUBMARINE - 2PH
---	SUBMARINE - 3PH

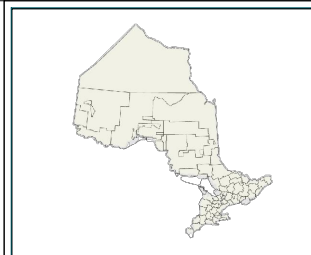
## COLOR SCHEME

■	Existing
■	Hydro One or Contractor
■	Work by Customer
■	Hydro One Only
■	Work by Others (Bell/LDC)

## SYMBOLS

●	PROPOSED POLE - Wood, Composite, Steel, Joint Use/Customer
○	EXISTING POLE - Wood, Composite, Steel, Joint Use/Customer
○	O/H - U/G TRANSITION (DIP/RISER) - Primary, Secondary
→	ANCHORS/DOWN GUY - Hydro, Private/Joint Use, Push Pole
⚡	OVERHEAD SWITCH - OCR, Electronic OCR, PT
⚡	WORK LOCATION
⚡	UNDERGROUND VAULT - 1PH, 3PH
⚡	CAPACITOR - 1PH, 3PH
⚡	OVERHEAD REGULATOR - 1PH, 3PH
⚡	OVERHEAD TRANSFORMER - 1PH, 3PH
⚡	OVERHEAD STEP TRANSFORMER - 1PH, 3PH
⚡	UNDERGROUND STEP TRANSFORMER - 1PH, 3PH
⚡	UG TRANSFORMER - 1PH, 1PH PVT, Transclosure
⚡	UG TRANSFORMER - 3PH
⚡	SECONDARY JUNCTION - Vault, Pedestal
⚡	METERING - 1PH, 3PH, Net, Primary
⚡	LOAD INTERRUPTER SWITCH - Load Break, Remote Load Break
⚡	STREETLIGHT - Hydro, Private
⚡	KIOSK - 1PH, 3PH
⚡	JUNCTION - Splice, Sleeve
⚡	REMOVAL
⚡	OPEN POINT
⚡	COMMUNICATING FAULTED CIRCUIT INDICATOR (CFCI)
⚡	TAP JUNCTION - Fly Tap, Midspan Tap

## LEGEND



KEY MAP (NTS)

1. ALL DIMENSIONS SHOWN IN METERS UNLESS NOTED OTHERWISE.
2. IF TITLEBLOCK SCALE = CUSTOM, SCALE IS UNCOMMON AND CONSIDERED NOT TO SCALE.

Contractor Name : XX  
Contractor Phone : XX

## GENERAL NOTES

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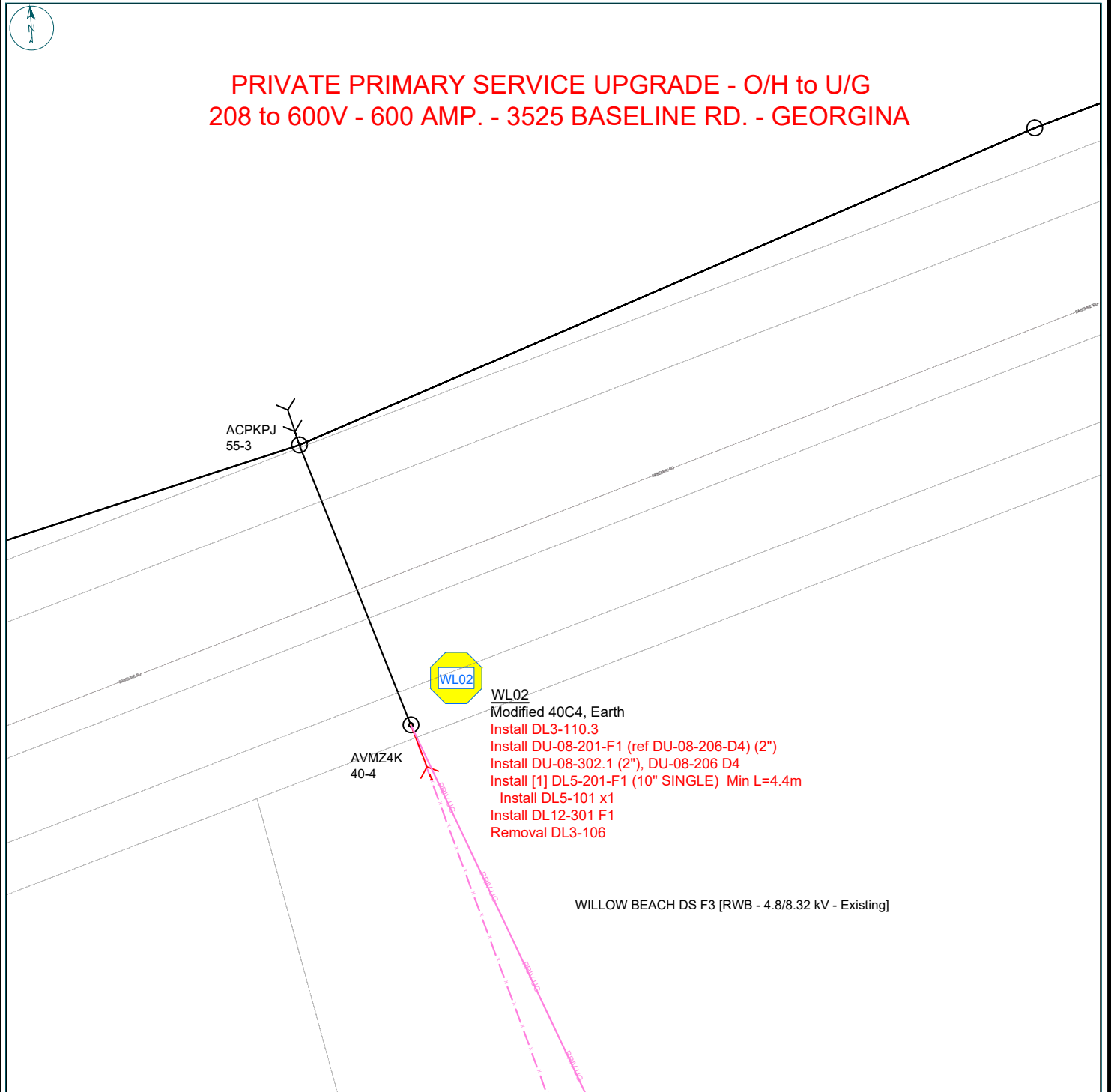
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Hydro One Networks Inc.  
DESIGN SERVICES  
DEMAND LAYOUT

Address : 3525 BASELINE RD Georgina	
Notification Type : Service Upgrade	Notification : 303388956
Township : Georgina	Work Order : 64268567
Lot / Concession : 23 / 5	Construction Measure : 660508
Rate Class : I General Svc Demand SPOT	Service Size : 600
DS Station/Feeder : WILLOW BEACH DS F3	Meter Wiring Diagram : Wiring Diagram
Primary/Secondary Voltage : 4.8/8.32 kV / Three 347/600	Scale : #####
Transformer : 41742	ADET : Williams, Tom
Switch : 1893	Approver : WILLIAMS Maurice
Service Center : Newmarket	Approval Date : 7/15/2024
	Page : 1/1

PRIVATE PRIMARY SERVICE UPGRADE - O/H to U/G  
208 to 600V - 600 AMP. - 3525 BASELINE RD. - GEORGINA



WILLOW BEACH DS F3 [RWB - 4.8/8.32 kV - Existing]

LINETYPES

---	OVERHEAD - 1PH
---	OVERHEAD - 2PH
---	OVERHEAD - 3PH
---	OVERHEAD - Sec.
---	OVERHEAD - Prvt. 1PH
---	OVERHEAD - Prvt. 2PH
---	OVERHEAD - Prvt. 3PH
---	UNDERGROUND - 1PH
---	UNDERGROUND - 2PH
---	UNDERGROUND - 3PH
---	UNDERGROUND - Sec.
---	UNDERGROUND - Prvt. 1PH
---	UNDERGROUND - Prvt. 2PH
---	UNDERGROUND - Prvt. 3PH
---	UNDERGROUND - Prvt. Sec.
---	SUB - 1PH
---	SUB - 2PH
---	SUB - 3PH

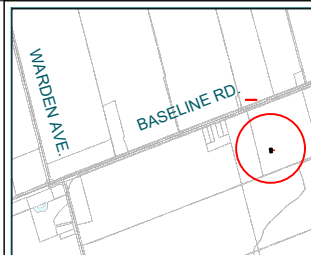
COLOR SCHEME

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SYMBOLS

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○/H	O/H - U/G TRANSITION (DIP/RISER) - Primary, Secondary
⋈	ANCHORS/DOWN GUY - Hydro, Private/Joint Use, Push Pole
⊕	OVERHEAD SWITCH - Fused, Solid, Line Opener
⊕	OVERHEAD SWITCH - OCR, Electronic OCR, PT
⊕	WORK LOCATION
⊕	UNDERGROUND VAULT - 1PH, 3PH
⊕	CAPACITOR - 1PH, 3PH
⊕	OVERHEAD REGULATOR - 1PH, 3PH
⊕	OVERHEAD TRANSFORMER - 1PH, 3PH
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⊕	TAP JUNCTION - Fly Tap, Midspan Tap

LEGEND



1. REFRAME TAKE OFF POLE - TANGENT TO DEAD END. INSTALL ANCHOR / BACK GUY.
2. SUPPLY / INSTALL 300kVA PADMOUNT TRANS. POLE AND TRANSFORMER.
3. TERMINATE CUSTOMER SERVICE CONDUCTORS.
4. MDET TO COMPLETE METERING INSTALL.
5. ENERGIZE SERVICE AND REMOVE O/H TRANS. BANK.

Contractor Name : XX  
Contractor Phone : XX

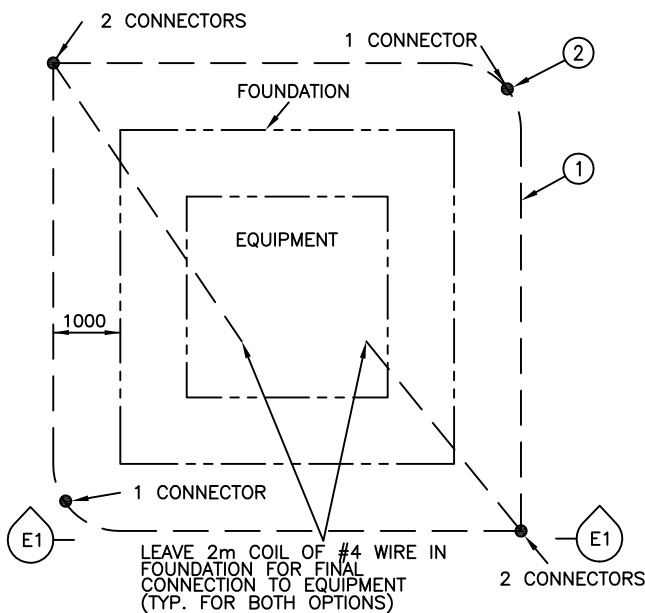
GENERAL NOTES

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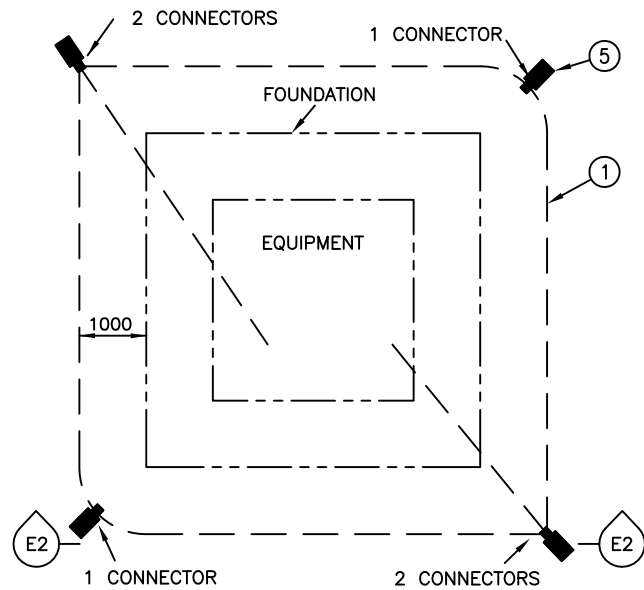


Hydro One Networks Inc.  
DESIGN SERVICES  
DEMAND LAYOUT

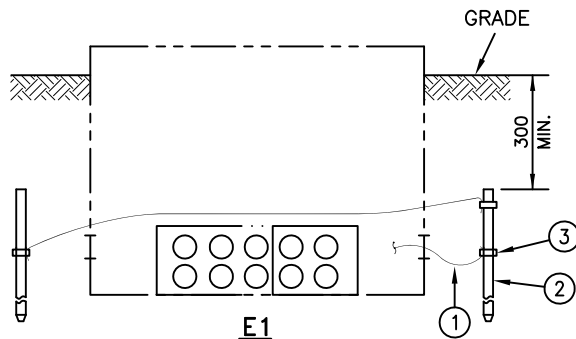
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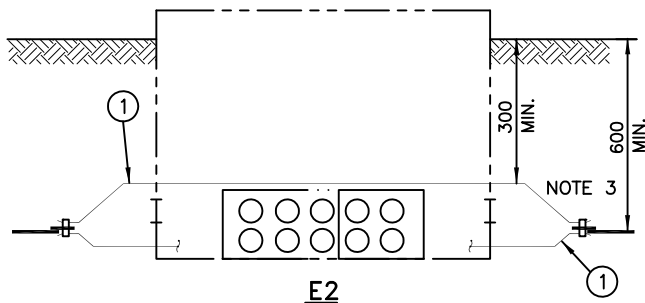
PLAN VIEW OF GROUND GRADIENT GRID



PLAN VIEW OF GROUND GRADIENT GRID



TYPICAL INSTALLATION - GROUND RODS



ALTERNATE INSTALLATION - GROUND PLATES

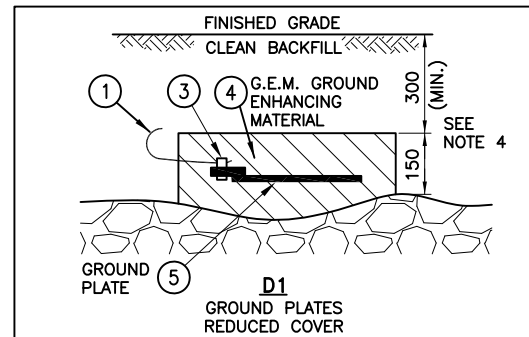
PARTS LIST			
PART No.	MM No.	DESCRIPTION	QTY.
1	30014488	BARE CONDUCTOR, COPPER, #4 AWG	A/R
2	30014142	ROD, GROUND, 19mm x 3m, GALV.	4
3	30006646	CONNECTOR, GRD. WEDGE, GROUND ROD TO #4 COPPER WIRE	6
4	30025402	GROUND ENHANCING MATERIAL (G.E.M.)	A/R
5	30025401	GROUND PLATE	4
MM# = REFER TO SECTION 16 ONLY / A/R = AS REQUIRED			

**REFERENCES:**

SECTION 1 - DEFINITIONS  
 SECTION 3C - CONSTRUCTION GUIDE  
 SECTION 16 - MATERIALS

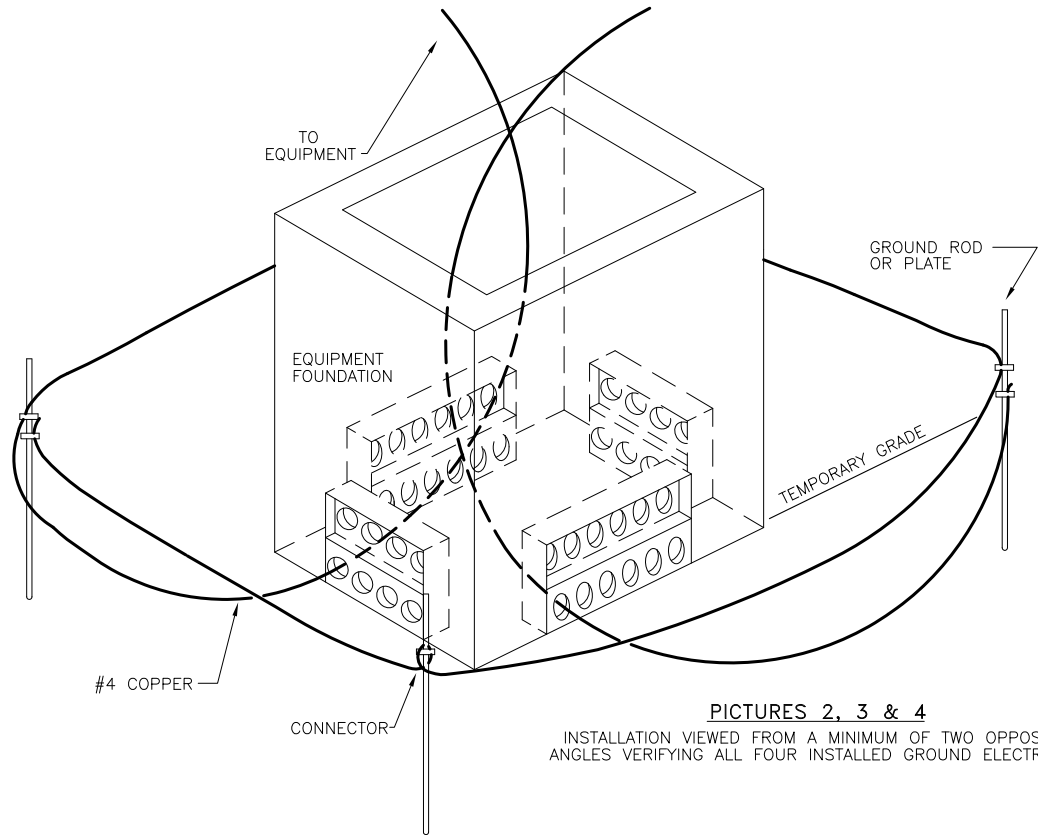
**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
2. GAS PIPE LINES SHALL MAINTAIN MINIMUM 300mm (PREFERRED 600mm) SEPARATION FROM HYDRO ONE EQUIPMENT GROUND GRID.
3. GROUND RODS MAY BE SUBSTITUTED WITH GROUND PLATES ONLY IF GROUND RODS CANNOT BE DRIVEN DUE TO ROCKY GROUND CONDITIONS. MAINTAIN 600mm MINIMUM NATIVE SOIL COVER OVER PLATES AND 300mm OVER GROUND WIRE(S). PLATES INSTALLED AT REDUCED DEPTH MUST BE INSTALLED PER INSET 'D1'.
4. MECHANICAL PROTECTION (75mm 21 MPa CONCRETE) IS REQUIRED OVER PLATES AND GROUND WIRES FOR BURIAL DEPTHS LESS THAN 300mm.

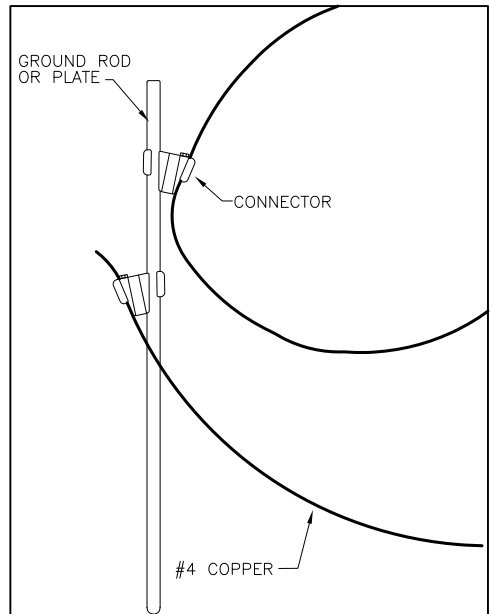


				Drawn:	Approved:	Date:
				LS	*	NOV.26,2013
PAD-MOUNTED EQUIPMENT GROUNDING DETAILS - TYPICAL (CONCRETE FOUNDATION)						
				Dwg. No.	Rev.	
				DU-14-101	00	

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PICTURES 2, 3 & 4  
INSTALLATION VIEWED FROM A MINIMUM OF TWO OPPOSITE  
ANGLES VERIFYING ALL FOUR INSTALLED GROUND ELECTRODES



PICTURE 1  
MATERIAL VERIFICATION  
GROUND ROD OR PLATE, CONNECTORS AND WIRE

NOTES:

1. EQUIPMENT GROUNDING SYSTEM MUST BE CONSTRUCTED TO HYDRO ONE STANDARDS AND HYDRO ONE INSPECTED PRIOR TO BACKFILLING. TO FACILITATE REMOTE INSPECTION, PLEASE PROVIDE MINIMUM OF FOUR PICTURES TO THE HYDRO ONE REPRESENTATIVE LISTED ON YOUR CONNECTION PACKAGE.
- PICTURE 1: A CLOSE UP OF THE INSTALLED HYDRO ONE APPROVED GROUND ROD OR PLATE, CONNECTOR AND CONDUCTOR.
- PICTURES 2/3: PICTURES OF THE FOUNDATION AND GRID INSTALLATION FROM TWO OPPOSITE ANGLES DEMONSTRATING ALL REQUIRED SPACING SPECIFIED ON HYDRO ONE DRAWING DU-14-101 WITH A LEGIBLE TAPE MEASURE OR VERIFIABLE ITEM OF SCALE.
- PICTURE 4: AN OVERVIEW PICTURE OF THE COMPLETED INSTALLATION WITH THE IDENTIFIABLE STRUCTURE TO BE SERVICED IN THE BACKGROUND.
2. HYDRO ONE GROUND INSTALLATION DRAWING DU-14-101 WILL BE SUPPLIED WITH YOUR CONNECTION PACKAGE AND IS AVAILABLE ALONG WITH ALL APPROVED MATERIALS ON THE HYDRO ONE WEBSITE AT:  
<https://www.hydroone.com/business-services/builders-and-contractors###Forms>
3. FAILURE TO INSTALL PER THE HYDRO ONE STANDARDS USING HYDRO ONE APPROVED MATERIALS MAY RESULT IN LENGTHY CONNECTION DELAYS. CONSULT YOUR HYDRO ONE REPRESENTATIVE WITH ANY QUESTIONS.

01		SEPT 2020	REVISED NOTES	PC	KS	KS	Drawn By: <b>PC</b>	Checked By: <b>D.DESROSIER</b>	Designed By: <b>D.DESROSIER</b>	Design Approved By: <b>D.DESROSIER</b>	
Rev No.	Date	Revision Particulars			dwn	ckd	des	app	Scale: <b>N.T.S.</b>	Date: (yyyy/mm/dd) <b>2019/03/27</b>	Pole ID:
							Title: <b>PICTURES REQUIRED FOR GROUNDING GRID APPROVAL</b>				
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A4 (210 x 297)							Sheet Number: /				

The latest version of the “CSA Approved Meter Socket Base” document which is located on the Hydro One website will be considered acceptable. Meter Socket Base models not listed in this “CSA Approved Meter Socket Base” document, may be installed on the condition the model complies with the “Meter-Base Requirements” listed below. The models provided in this document are examples that are known to comply with the Hydro One requirement. Any deviation from this list of requirements must be approved by Hydro One prior to installation. Failure to install a Meter-Base as described in this document may result in the refusal to connect the service. Please refer to the [Hydro One Retail Metering Guide](#) for additional information.

In this document, “Meter Socket Base” will be used interchangeably with “Meter-Mounting Device.”

### **Meter-Mounting Device Requirements**

All Meter-Mounting Devices must meet these requirements:

No.	Requirement
1.	Approved to CSA C22.2 No.115
2.	Accommodate meter ring or means to secure meter in place with tamper-proof seal.
3.	Transformer-Rated Meter-Mounting Devices must have a test switch, no automatic by-pass or shorting circuit.
4.	Neutral conductor or bus shall not be bonded to the grounding conductor at the Meter-Mounting Device
Notes	<ol style="list-style-type: none"> <li>1. Meter-Mounting Device to be ordered and installed with OEM insulated neutral kit listed.</li> <li>2. Unless certified by the OEM using OEM equipment, field modification or alterations (e.g. drilled holes, altered lug connector) to the Meter-Mounting Device are not permitted unless approved by Hydro One.</li> <li>3. Meter-Mounting Device shall not be used to provide tapping for a second service box.</li> </ol>

Additionally, if Hydro One owns underground cable and is accountable for line side cable connection in Meter-Mounting Device:

No.	Requirement
1.	Oversize Meter-Mounting Device with a minimum dimension of 17 H x 12 W x 4 ¾ D inch (432 x 305 x 121mm).
2.	Space above line side connection shall accommodate a half-loop (180 degrees) of extra cable length for frost loop and reconnection while maintaining cable bending radius.
3.	2-inch conduit knock-out when 3/0 service cable installed (single-phase service, 120/240V).
4.	3-inch conduit knock-out when 250MCM service cable is installed (single-phase service, 120/240V).
5.	Multi-Position must have blank compartment for cable entrance (either end of assembly).



**The following list of Meter-Mounting Devices are examples that meet the requirements set by Hydro One**

**Single Phase, Three-Wire Service, Self-Contained**

120/240V 4-Jaw ANSI Form Factor 2S

SERVICE & TYPE	MANUFACTURER	MODEL	CONDUCTOR SIZE
200A Overhead/Underground	Hydel	EK400ROBC	No.6 – 250MCM Cu/Al
		EK200XL	No. 2 – 350MCM Cu/Al
	Microelectric®	BS2-INTCVBC	No.6 – 250MCM Cu/Al
	Eaton	LMB3-IN	No.6 – 250 MCM Cu/Al

**Single Phase, Three-Wire Service, Self-Contained**

120/240V 4-Jaw ANSI Form Factor 2S with Breaker

SERVICE & TYPE	MANUFACTURER	MODEL
200A Overhead/Underground	Hydel	JA402R-BC
	Eaton	RCJ2Q Series
	Durham <sup>2</sup>	DR Series
200A Overhead	Microelectric®	CO2-G Series

<sup>2</sup>Contact [Jesstec Industries Inc](#) to order

**Single Phase, Three-Wire Service, Self-Contained**

120/240V 4-Jaw ANSI Form Factor 2S Specialty Base

SERVICE & TYPE	MANUFACTURER	MODEL
100A or 200A Combination Base and Load-Centre Temp Service	Eaton	RCPM Series
100A or 200A Combination Base with Auto Transfer Switch		EGS Series
100A or 200A Combination Base with Manual Transfer Switch	Eaton	RCJ Series
	Durham <sup>2</sup>	SB Series
100A or 200A Overhead/Underground with Load Side Sub Feed Lug	Eaton	LMB3-SF N with EIN2
	Hydel	SLC402RW

<sup>2</sup>Contact [Jesstec Industries Inc](#) to order

### **Single Phase, Three-Wire Service, Self-Contained**

120/240V 4-Jaw ANSI Form Factor 2S – Multi Position

SERVICE & TYPE	MANUFACTURER	MODEL
200A Main 100A per position Overhead/Underground	Eaton	KN1 Series with EIN1
	Hydel	SDC Series
200A Main 200A per position Overhead/Underground	Hydel	HC22R Series
	Eaton	K2 Series with EIN1
	Microelectric®	BDA2 Series with IN4000-3
400A Main 200A per position Overhead/Underground	Hydel	HC40R Series
	Eaton	K4 Series with EIN1

### **Single Phase, Three-Wire Service, Transformer Rated**

120/240 5-Jaw ANSI Form Factor 3S

SERVICE & TYPE	MANUFACTURER	MODEL
400A Meter Socket <i>Must specify with vendor at time of order</i> 1. Overhead or Underground 2. Single or Parallel Cable Run 3. Size of Cable	Hydel	CT4-TSHO
	Microelectric®	JS4B-TLHO with IN4000JS
	Eaton	TCC5-H1 with ECLIN4
	Durham <sup>2</sup>	1011897-OH
CM Service Overhead/Underground	Durham <sup>2</sup>	1012109 (Overhead/Underground)
	Hydel	CTS405PW-TSHO w/ MSPMK7
	Eaton	TSU5C-H1C

<sup>2</sup>Contact [Jesstec Industries Inc](#) to order

THE LIST OF THIRD PARTY-MANUFACTURED EQUIPMENT IS PROVIDED FOR YOUR CONVENIENCE ONLY AND DOES NOT IMPLY AN ENDORSEMENT, GUARANTEE, WARRANTY, OR RECOMMENDATION BY HYDRO ONE NETWORKS INC. OR ITS AFFILIATES (AND THEIR RESPECTIVE DIRECTORS, EMPLOYEES, PARTNERS, AND AGENTS) (COLLECTIVELY, “HYDRO ONE”) AND HYDRO ONE MAKES NO REPRESENTATIONS OR WARRANTIES ABOUT ANY PRODUCTS OR SERVICES PROVIDED BY THE PARTIES WHOSE PRODUCTS OR SERVICES ARE LISTED. HYDRO ONE IS NOT RESPONSIBLE FOR THE PERFORMANCE OF METER SOCKET BASES AND OTHER EQUIPMENT AND SERVICES PROVIDED BY THIRD PARTIES, INCLUDING, WITHOUT LIMITATION, ANY DEFECTS OR MALFUNCTIONS IN THE EQUIPMENT OR SERVICES THAT RESULTS IN (1) INCORRECT METER READINGS OF CONSUMPTION OF ELECTRICITY, (2) DAMAGES CAUSED TO PROPERTY BELONGING TO OWNER, HYDRO ONE, OR THIRD PARTY, OR (3) PERSONAL INJURY OR DEATH.