



November 16, 2016

**THE REGIONAL MUNICIPALITY OF YORK  
ADDENDUM # 7  
T-16-11**

**FOR: Construction of the New Paramedic Response Station# 19**  
**LOCATION: 415 Harry Walker Parkway South, in the Town of Newmarket, Ontario**  
**CLOSING: November 18, 2016 at 1:00 P.M. (Local time)**

Bidders are requested to incorporate the changes/clarifications noted below to the above tender documents in your possession and be governed accordingly.

**PLEASE NOTE THAT THE CLOSING DATE FOR THIS TENDER HAS BEEN EXTENDED UNTIL FRIDAY, NOVEMBER 18, 2016 AT 1:00 P.M. (LOCAL TIME).**

**1. Amendment to the Agreement Between Owner and Contractor of the Stipulated Price Contract, CCDC-2 2008**

.1 Article 1.3 of the Agreement Between Owner and Contractor of the Stipulated Price Contract, CCDC-2 2008 has been revised to change the Contract Time from 190 Working Days to 240 Working Days, as follows:

*“complete the Work within 240 Working Days from the date that the Owner gives written notice to the Contractor to commence the Work, subject to potential adjustment pursuant to PART 6 – CHANGES IN THE WORK.”*

**2. Responses to Bidders’ Questions**

.1 Please refer to the following attached documents for responses to bidders’ questions and further changes to the Contract Documents

- (i) Architectural Addendum 04, and
- (ii) Mechanical-Electrical Addendum ME-2.

This addendum shall form part of the Contract Documents.

Yours truly,

Jamie Oakley  
Senior Purchasing Analyst  
Supplies and Services

The following are responses to questions submitted by bidders:

- 
- Q1** What is the backfill material requirements for the Retaining wall?
- A** **An OPSS approved Granular B Type I (Sand and Gravel) shall be used as backfill material for the retaining wall. This material shall be placed in a maximum thickness of 300mm loose lifts and compacted to 98% Standard Proctor maximum dry density (SPMDD).**
- Q2** Due extremely wet soil conditions do we require to provide any temporary trench protection system for the construction of poured foundations?
- A** **Based on the groundwater levels provided in Geotechnical Investigation Report No. 36106 dated February 19, 2016, they seem to be considerably lower than the anticipated depth of the excavations for the foundations. Other than providing flatter excavations if necessary, it is not expected that any other trench protection systems to be installed. However, if during the excavation activity if site conditions differ, then relevant recommendations will be made accordingly at that time.**
- Q4** Canam no longer serves as a distributor of the CSI Versa-Dek product. Canam now manufactures its own dovetail deck (identical to the Versa-Dek product) which we've branded as the Canam Reveal Series. I've attached our product literature for your information. We feel that by manufacturing the product ourselves we are able to provide a better-quality product and control the necessary logistics required to meet our clients' requirements and ultimately achieve a better client experience. So for the Paramedic Response Station, we will propose pricing for our Reveal Series RS3.5A product.
- A** **Canam Reveal Series is an acceptable product.**
- Q5** What is the minimum working space requirement for the driving the Helical piles in the excavated trench?
- A** **Excavations for the Helical Piers must comply with Geotechnical Investigation Report No. 36106 dated February 19, 2016. It is stated in this report that "All temporary shallow excavations shall be cut at 1 vertical to 1.5 horizontal". With respect to the requirement for of the working room in the excavated trench, contractor is responsible to coordinate this during construction.**
- Q6** S1-01, foundation plan note states 1200mm dept for footings; however cross-sections F1 on S2-02 scales at over 2 m deep; which is it?
- A** **Refer to issued Structural Addendum 01 which was issued as part of the Region's Addendum No.4.**
- Q7** same with SOG concrete thickness: note 12 says: 100mm thick.... while beside detail left ...shows 200mm ???
- A** **This relates to two different areas. Please refer to the Structural drawings for locations.**

York Region Paramedic Response Station #19  
415 Harry Walker Parkway South, Ontario

- Q8** S1-11, Note 6 of Prep. notes...One could consider the outside of the perimeter foundation trench part of the trench within the building, ie therefore needing granular backfill on both side of outside perimeter wall ; the cross sections in structural do not show clarification and in A6.1 shows outside materials (unidentified) different than inside. ...which could imply select native is ok to use; which is correct??
- A** **Structural drawings note for “within the building”. Please refer to the Geotechnical Investigation Report No. 36106 dated February 19, 2016 for backfill requirements.**
- Q9** Section 07 62 00 Item 2.3.1.1.1 specifies a 10,000 series metal flashings which we have to purchase the whole coil, it's about 350 - 400 sheets. I'd like to know if 8,000 prefinished series is acceptable?
- A** **Metal flashing series to remain as specified.**
- Q10** Addendum #6 noted in the electrical addendum that sketch E5.0-A-1 showing the location of DLM in the ambulance bay is included in the addendum. This sketch is not attached with the Addendum. Can you please forward same.
- A** **Sketch E5.0-A-1 is now attached. Please refer to the attached Mechanical-Electrical Addendum ME-2.**
- Q11** Please refer to *Drawing A1.5 – Railing Elevations and Details*. Please refer to *Section 03 30 53 – Cast-in-Place Concrete*. Please provide further description on the architectural finish noted on the drawings. The specification section mentions to match color and texture in section 03 30 53 – 3.12.5.6. and sandblasting in Section 03 30 53 – 3.12.7.
- A** **Architectural finish noted on the drawings shall be Sandblast finish as noted in Specification Section 03 30 53, Subsection 3.12.7.**
- Q12** Please refer to *Drawing A1.5 – Railing Elevations and Details*. Please clarify if the metal railing is to be prefinished or painted on site by Division 09 91 00.
- A** **Refer to the Architectural Addendum 02 for clarifications. All galvanized metal railings shall be grind smooth all edges prior to galvanizing. Refer to detail 4 and 5 on drawing A1.5 and revise note “Steel painted hand rail” to “Galvanized handrail”.**

**Owner/Architect Changes**

**1. General Instructions**

- .1 Date of issue: November 17, 2016
- .2 All bidders are hereby advised that the information contained in the Bidding Documents, dated and issued on October 18, 2016 for the above captioned project, has been amended to include the information contained within this document, and such information shall be covered in the tender submission and shall form part of the *Contract Documents*.

**2. Affected Drawings**

**Architectural**

1. Refer to Drawing A1.4 –Site Plan Details
  - .1 Refer to detail 4 and 5. Revise note “Steel Painted hand rail. Refer to Detail 7/A1.5” to “Galvanized steel handrail. Refer to detail 7/A1.5”.
2. Refer to Drawing A1.5 – Railing Elevations and Details
  - .1 Refer to detail 7. Revise note “prime and paint all steel” to “Galvanized Steel”

**Structural** – none included as part of this addendum

**Mechanical** – Refer to attached Mechanical-Electrical Addendum #2

**Electrical** - Refer to attached Mechanical-Electrical Addendum #2

**Civil** - – none included as part of this addendum

**Landscape** -- none included as part of this addendum

**END OF DOCUMENT**

**November 16, 2016**

**YORK EMS STATION #19  
415 Harry Walker Parkway, NEWMARKET  
Regal Project No 2015-124**

**REGAL CONSULTING ENGINEERS INC.  
201-2828 Kingsway Drive. Oakville, ON L6J 7M2**

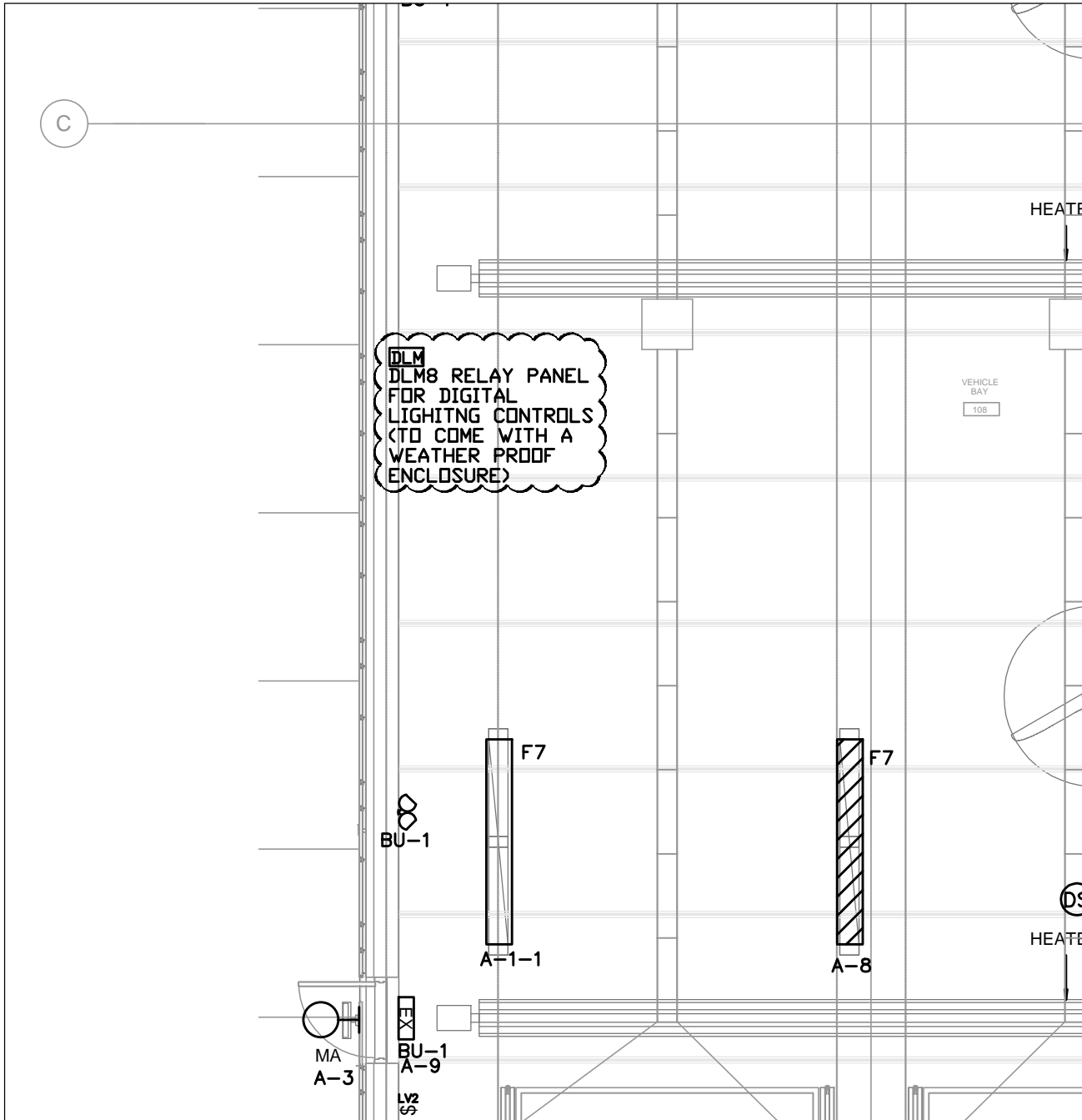
This addendum forms part of the Contract Documents and amends the original bidding requirements, drawings and specifications, as noted below.

**ELECTRICAL DRAWINGS**

E5.0-A-1 Lighting Floor Plan

Refer to detail from Newmarket Hydro.

**END OF MECHANICAL-ELECTRICAL ADDENDUM ME-2**



2016-11-10	ISSUE FOR ADDENDUM ME-1
DATE	ISSUE/REVISION



**REGAL CONSULTING  
ENGINEERING INC.**

CONSULTING MECHANICAL &  
ELECTRICAL ENGINEERS  
2828 Kingsway Drive, Suite 201,  
Oakville, Ontario L6J 7M2  
PHONE: (905)829-3010  
www.regal-eng.com

YORK REGION PRS #19  
PSB PROJECT # P 837-13

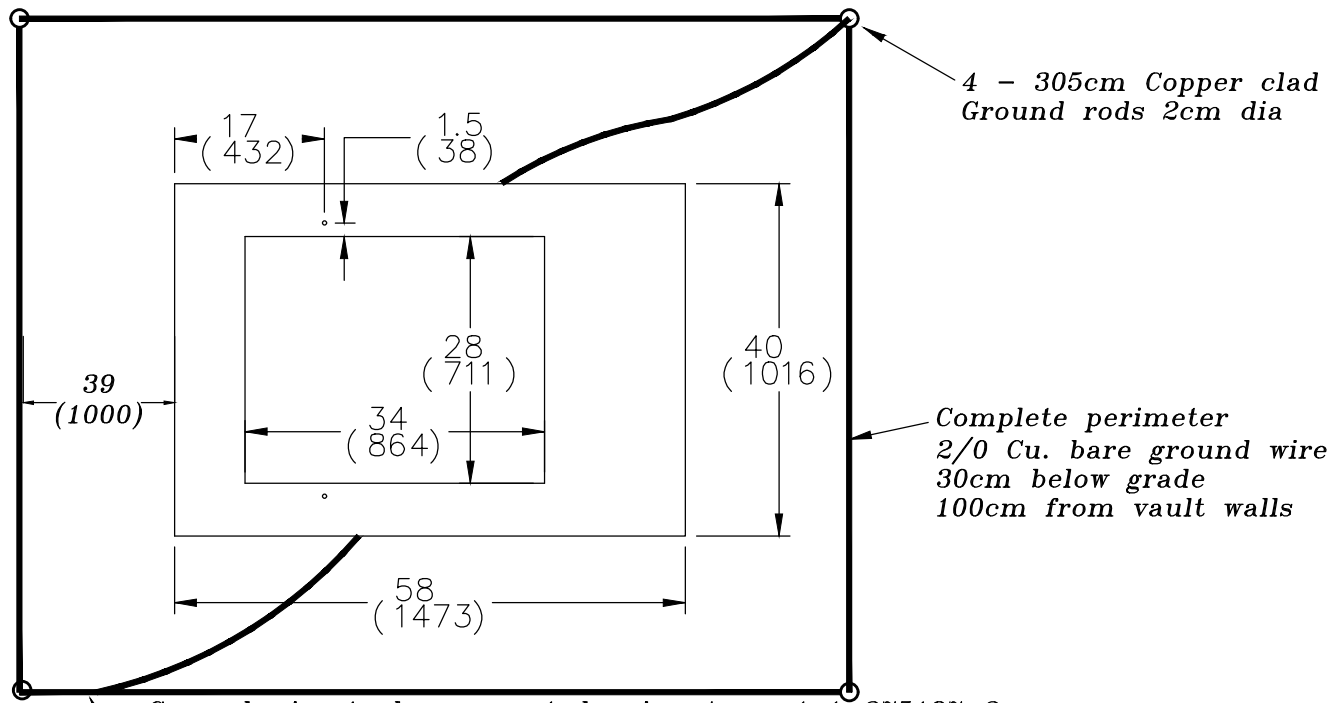
415 HARRY WALKER PARKWAY SOUTH,  
NEWMARKET

Scale: 1:75  
 Drawn by: MJ  
 Checked by: MA  
 Date: NOV, 2016

LIGHTING FLOOR  
PLAN

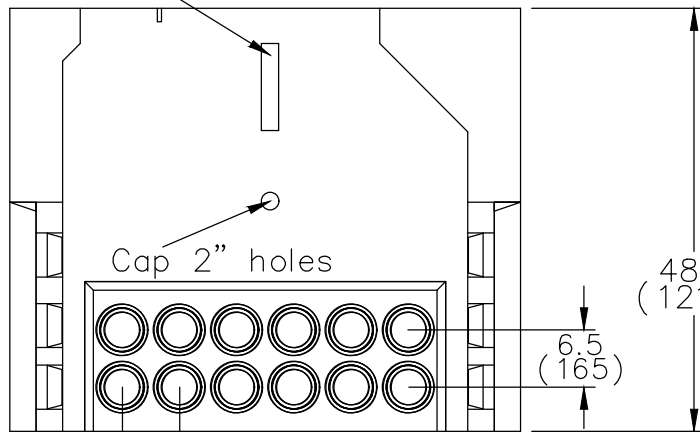
**E5.0-A-1**

THIS SKETCH SHOULD BE READ CONJUNCTION WITH  
E3.0

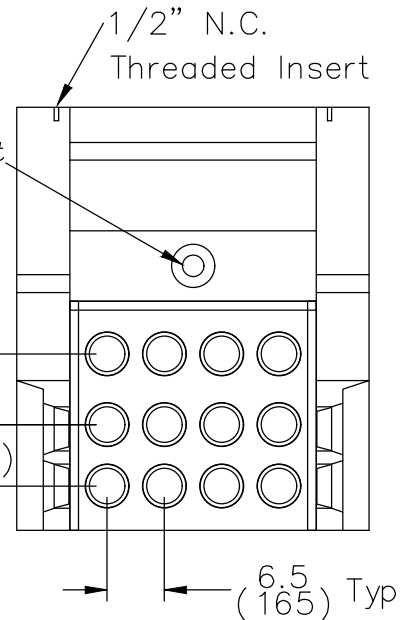


Ground wire to be connected using Ampact 1-275187-2 connector to perimeter ground wire when direct buried  
**GROUND ROD CLAMPS TO BE BURNDY GRC 3426**

Recessed lift point/Pulling eye (3000lb utility anchors)



4 Ton Swiftlift lift/rollover anchors



All dimensions are in inches/(mm)  
 Transformers to maintain 6.0m clearance from doors and windows  
 Concrete minimum strength - 4500 psi  
 Steel reinforced  
 Openings and Knockouts as per drawing  
 Openings to be PVC seals  
 Lifting by Recessed lift point  
 Total weight 1660kgs

TITLE:

*SINGLE PHASE TRANSFORMER  
 SUPPORT FOUNDATION  
 BCP 110PM / UW4058D*

NEWMARKET



NEWMARKET-TAY  
 POWER DISTRIBUTION LTD.  
 (NTPDL)

590 STEVEN COURT  
 NEWMARKET, ONTARIO. L3Y 6Z2

DRAWING No. NTP 08-01

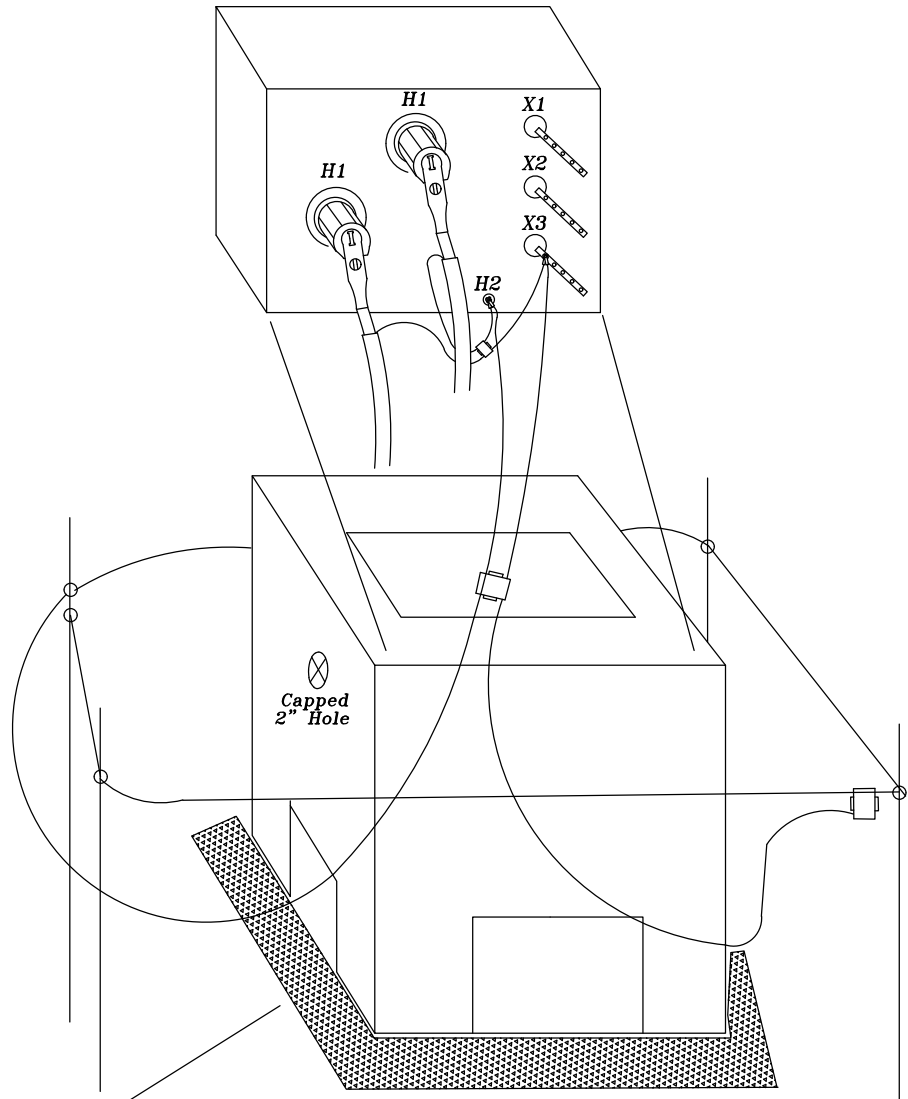
DRAWN BY: *DGW*

SCALE: *NTS*

REV. *3*

CHECKED:

DATE: March 10, 2015



**NOTES:**

LEVELLED FOUNDATION TO SIT ON 15cm OF 2cm CLEAR STONE

SAND PAD INSIDE FOUNDATION AND 15cm SAND ENVELOPE FROM FOUNDATION OPENING TO TRENCH.


2/0 COMPLETE CONTINUOUS PERIMETER GROUND WITH LUGS AND AMPACT CONNECTION 1-275187-2 AS PER DRAWING

1/0 CONCENTRIC NEUTRAL WITH LUGS AND AMP CONNECTIONS AS PER DRAWING

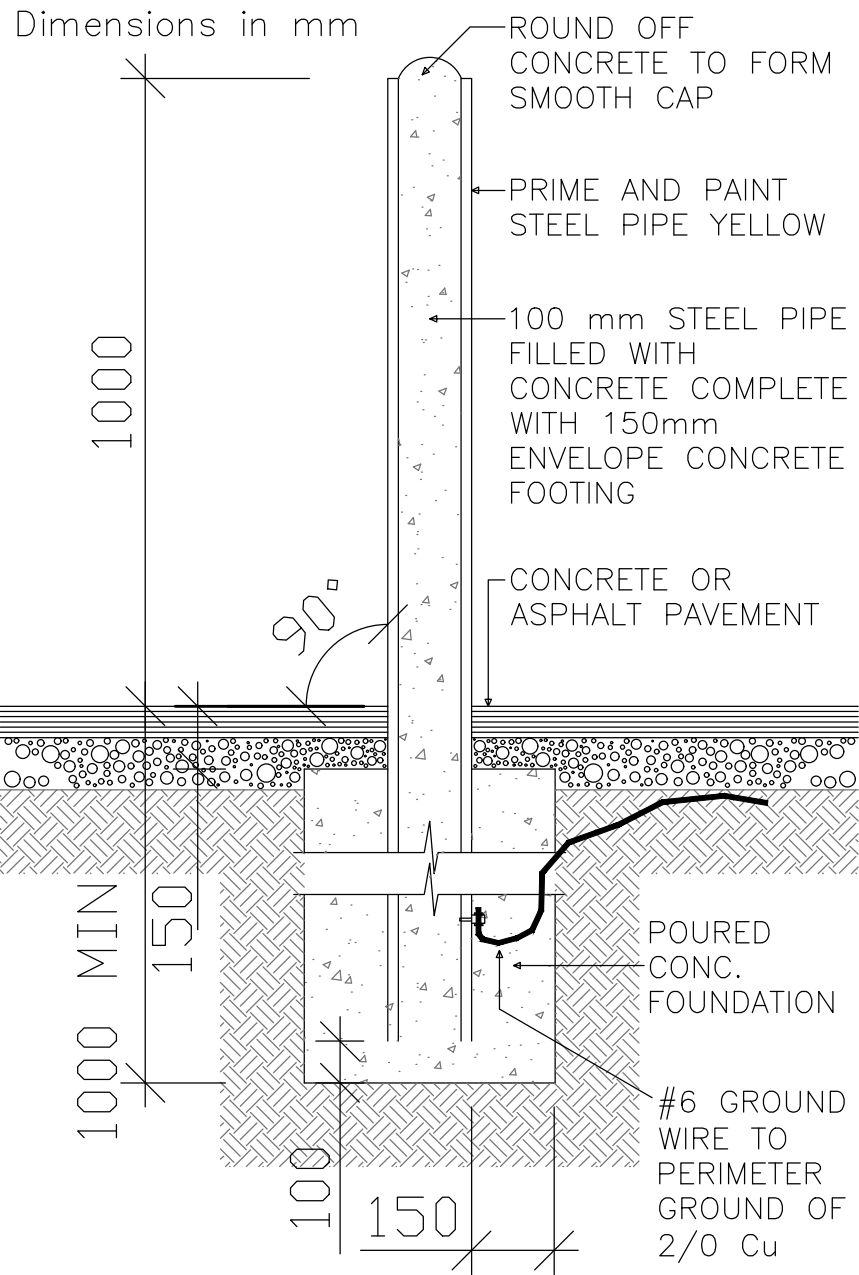
4 - 2cm X 305cm GROUND RODS, COPPER CLAD INSTALLED 100cm FROM FOUNDATION, 30cm BELOW GRADE

GROUND ROD CLAMPS TO BE BURNDY GRC 3426

TITLE:  
*SINGLE PHASE TRANSFORMER  
GROUNDING AND CONNECTIONS*

	NEWMARKET-TAY POWER DISTRIBUTION LTD. (NTPDL)	
	590 STEVEN COURT NEWMARKET, ONTARIO. L3Y 6Z2	
DRAWN BY: <i>DGW</i>	DRAWING No. NTP 08-02	
CHECKED:	SCALE: <i>NTS</i>	REV. <i>1</i>
		DATE: March 10, 2015





ALL BOLLARDS TO BE GROUNDED

TITLE:

STEEL PIPE BOLLARD  
DETAIL



Newmarket-Tay Power Distribution Ltd.

590 STEVEN COURT  
NEWMARKET, ONTARIO. L3Y 6Z2

DRAWING No. NTP 09-04

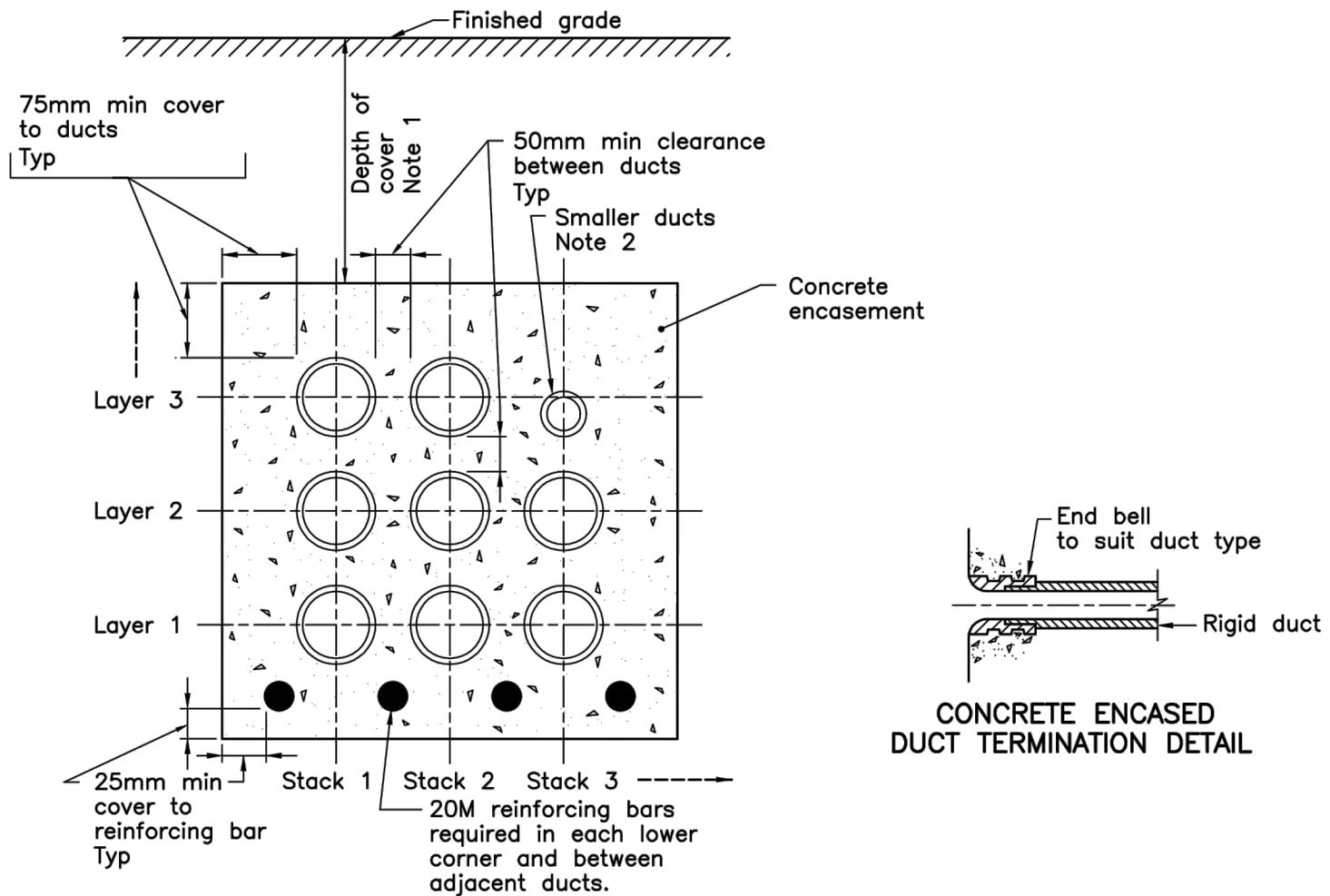
DRAWN BY: PAJ

SCALE: NTS

REV. 1

CHECKED:

DATE: March 11, 2015



SECTION VIEW

**NOTES:**

- 1 For depth of cover, refer to OPSD-2103.02.
- 2 Install smaller ducts in uppermost layers.
- A Max number of layer = 4, max number of stack = 4.
- B All dimensions are in millimetres or metres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING		Date	1992 12 15	Rev	1
<b>RIGID DUCTS ENCASED IN CONCRETE</b>		Date _ _ _ _ _			
		OPSD - 2100.06			

<p style="text-align: center;"><b>NEWMARKET-TAY POWER DISTRIBUTION LTD.</b></p> <p style="text-align: center;"><b>STANDING INSTRUCTION</b></p>	<p>S.I. NUMBER: 300-004</p> <p>REVIEW DATE: MARCH, 2015</p> <p>REVISION DATE: MARCH, 2015</p>
<p style="text-align: center;"><u><b>TITLE</b></u></p> <p style="text-align: center;"><b>SINGLE PHASE PADMOUNT TRANSFORMER INSTALLATIONS – CONTRACTOR RESPONSIBILITY</b></p>	<p>NEXT REVIEW DATE: APRIL, 2017</p> <p>ORIGINATED BY: Engineering</p>

In accordance with the Ontario Electrical Safety Code transformers must be located a minimum of 3 metres from a window, door or flammable materials.

**1. Vault**

- a) Supply and Install to Newmarket-Tay Distribution Ltd. (NT Power) specification;
  - a. To excavate for transformer vault.
  - b. Vault to be levelled on a base of 150 mm of 19.05 mm (3/4") clear stone and extend 100 mm above finished grade. NOTE: HL-6 and HL-8 are not accepted.
  - c. Arrangements for vault delivery to be made with NT Power Distribution Ltd. (NT Power) Underground Inspection Department at least 3 days prior to excavation.
  - d. 150 mm sand pad inside vault.
  - e. Vault to be free of debris and water at all times.
  - f. All vaults to be delivered and set in place by the manufacturer upon approval of NT Power Underground Inspector.

**2. High Voltage Duct (s)**

- a) To excavate and install one 100 mm (4") type II duct, a minimum of 900 mm in depth from vault and extend to 1 m. from the hydro dip pole. Bell ends required at both ends.
- b) Primary duct run limited to the use of 3 sets of 90 ° bends.
- c) To install 6.35 mm (1/4") pull rope in each duct. (This is at the discretion of the Newmarket Hydro Inspector at the time of installation.)

- d) Concrete encasement - 100 mm envelope from vault to lot line. Concrete to be 10 mm (PEA gravel) concrete mix with strength 20 MPA cured (cure time 30 days).
- e) Duct to be installed using spacers every 1.2 m along full length of trench.
- f) Install 16 mm reinforcing bar in the base of the spacer within the concrete encasement.
- g) From the edge of concrete encasement to the service pole – 150 mm sand envelope. If additional mechanical coverage is required at the discretion of the underground inspector, place concrete stones 450 mm above ducts. Three hundred and four decimal eight mm (12") yellow caution tape to be installed 450 mm below grade.
- h) If required:  
  
Brooklin Concrete - Trench Cover - #BCP N10012  
Dimension - 610 mm x 305 mm x 45 mm  
Hydraulically pressed with a minimum compressive strength of 45 MPa.
- i) Install a #14 (jacketed) tracer wire, centred on top of the concrete encasement for the full length of trench. The tracer wire is to extend 1.2 m beyond the top of the transformer foundation and 1.2 m above final grade at pole.

### **3. Road Crossings**

- a) All road crossings are to include two 10 mm (4") type II ducts one of which is to be capped at both ends.
- b) All ducts in the road crossing are to extend 1 m past curb on both sides.

### **4. Permits**

- a) Contractor is responsible for obtaining all municipal and/or regional permits necessary for constructing within the ROW and road crossing prior to construction.

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5. **Grounding**

- a) To supply and install four 20 mm x 3.05 m copper clad ground rods connected with 2/0 bare copper wire making a complete perimeter ground.
- b) Both ends of ground wire to terminate 1.2 m above vault
- c) Brass ground rod clamps to be Burndy GRC 3426
- d) Complete the perimeter ground on all 4 sides of the transformer foundation, 1 m out from the transformer foundation and 300 mm below grade.
- e) All bollards to be grounded to the perimeter ground as per NT Power Drawing NTP-09-04.

6. **Secondary Cables**

All secondary cables must be a minimum of 1.6 m above vault.

7. **Inspection**

All work carried out must be inspected by NT Power. Sufficient notice must be given for each phase of construction.



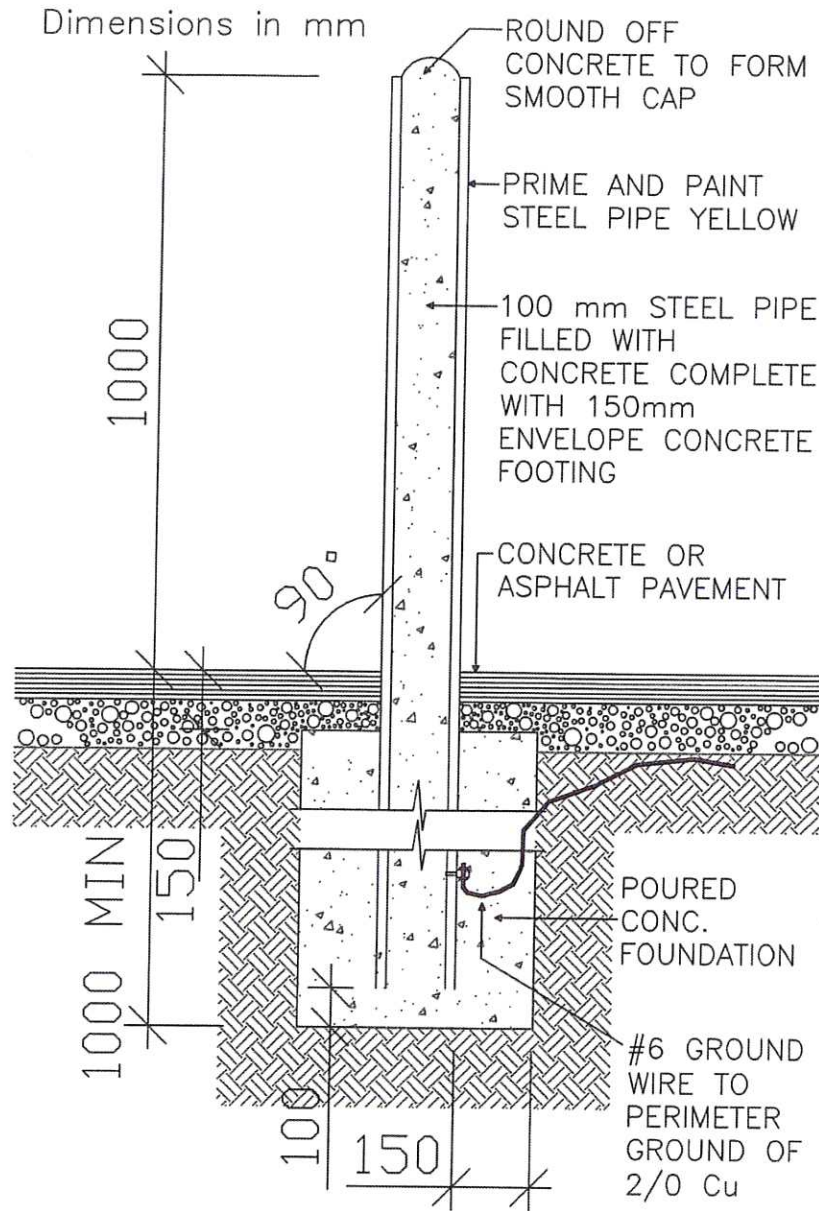
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Paul Ferguson, P.Eng.  
President

April 10, 2015

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Date Signed



ALL BOLLARDS TO BE GROUND

TITLE:

STEEL PIPE BOLLARD  
 DETAIL



Newmarket-Tay Power Distribution Ltd.

590 STEVEN COURT  
 NEWMARKET, ONTARIO. L3Y 6Z2

DRAWING No. NTP 09-04

DRAWN BY: PAJ

SCALE: NTS REV. 1

CHECKED:

DATE: March 11, 2015