



Addendum / Addenda

No./N^o
1

Project Description / Description de projet NRC Uplands - Building U89B Utility Supply Upgrade		
Solicitation No./ No de sollicitation 16-22027	Project No./N ^o de projet 4056	W.O. No./N ^o d'ordre de travail A1-005791
Departmental Representative / représentant ministériel Mark O'Connor		Date June 10, 2016
<p>Notice: This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.</p>		<p>Nota: Cet addenda fait partie intégrale des dossiers d'appel d'offres; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.</p>

DESCRIPTION OF WORK

1. Refer to drawing 4056 – E06. Detail A, Hydro Ottawa Pole and associated notes have been update. Detail is for reference only. The pole updates include:
 - a. Changing from a horizontal load break to fused cutouts.
 - b. Grounding conductors from medium voltage load break to ground grid no longer required.
 - c. Gradient control mat at the pole no longer required.
 - d. Crushed stone at the base of the pole is no longer required.
2. Clarification/Response to questions.
 - a. What CI stands for in the containment area of the transformer?
CI Agent is a company that specialize in oil containment systems and the contractor is to carry the cost of hiring CI Agent, to complete the design, material and installation of the containment system. Refer to section 261101 Outdoor Substation to 27.6kV Part 2 of the specifications.
 - b. Can a design be supplied for what is wanted?
Refer to specification section 261101 Outdoor Substation to 27.6kV Part 2 - Oil Containment. The specifications indicate that CI Agent will provide the design for the system.
 - c. What parameters is the customer looking for?
The customer is looking for a water permeable oil containment system for the newly installed transformer.
 - d. Is Hydro aware of this?
Yes, the containment system is allowed by Hydro Ottawa as long as the oil containment system does not interfere with the ground grid and bollards.

END
Issued by:


Signature

June 10, 2016
Dated

Copies to: Christopher Day – Chris.Day@nrc-cnrc.gc.ca; Derek van Gaal – Derek.vanGaal@Stantec.com

- GENERAL NOTES:**
- EXCEPT AS NOTED OTHERWISE ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
 - EXCEPT AS NOTED OTHERWISE ALL EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
 - EXCEPT AS NOTED OTHERWISE ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.

DRAWING SPECIFIC NOTES:
 TRANSFORMER PAD AND BOLLARDS SHALL BE INSPECTED AND APPROVED BY HYDRO OTTAWA PRIOR TO POURING CONCRETE.

BACKFILL MATERIAL FOR PRIMARY DUCT BANK AND TRANSFORMER BASE SHALL BE INSPECTED AND APPROVED BY HYDRO OTTAWA PRIOR TO USE.

DRAWING NOTES:

- 35KV SWITCH, LIGHTNING ARRESTORS, POLES, FUSE CUTOUPS AND LOAD BREAK TO BE SUPPLIED AND INSTALLED BY HYDRO OTTAWA.
- HYDRO OTTAWA TO SUPPLY, INSTALL AND TERMINATE PRIMARY MV CABLES TO FUSE CUTOUPS C/W STRESS CONE, CABLE GUARDS AND STRAPS.
- NOT USED.
- NOT USED.
- SUPPLY AND INSTALL GROUND RODS AND GROUND GRID AS INDICATED. GROUND CONDUCTORS MUST BE #2/0 AWG BARE COPPER CONDUCTOR AND GROUND RODS MUST BE 19mm x 3m COPPER CLAD STEEL RODS.
- SUPPLY AND INSTALL BOLLARDS AS PER DETAIL D/E06.
- HOLE FOR THE GROUND WIRE TO BE LABELLED WITH GROUND SYMBOL USING GREEN PAINT. SYMBOL TO MEASURE 150mmX150mm.

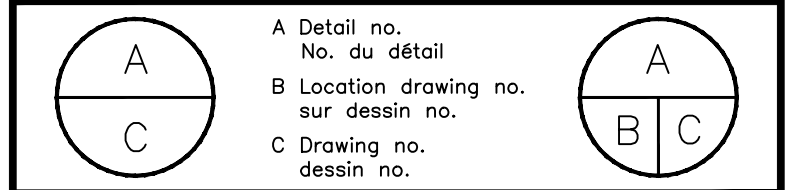
N.T.S.



16.06.10	AMENDMENT #1	R.Mc.
16.04.20	RE-ISSUED FOR TENDER	R.Mc.
16.03.30	ISSUED FOR TENDER	R.Mc.
No.	Date	Revision
		By: Par:

Date Printed: Date imprimée

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

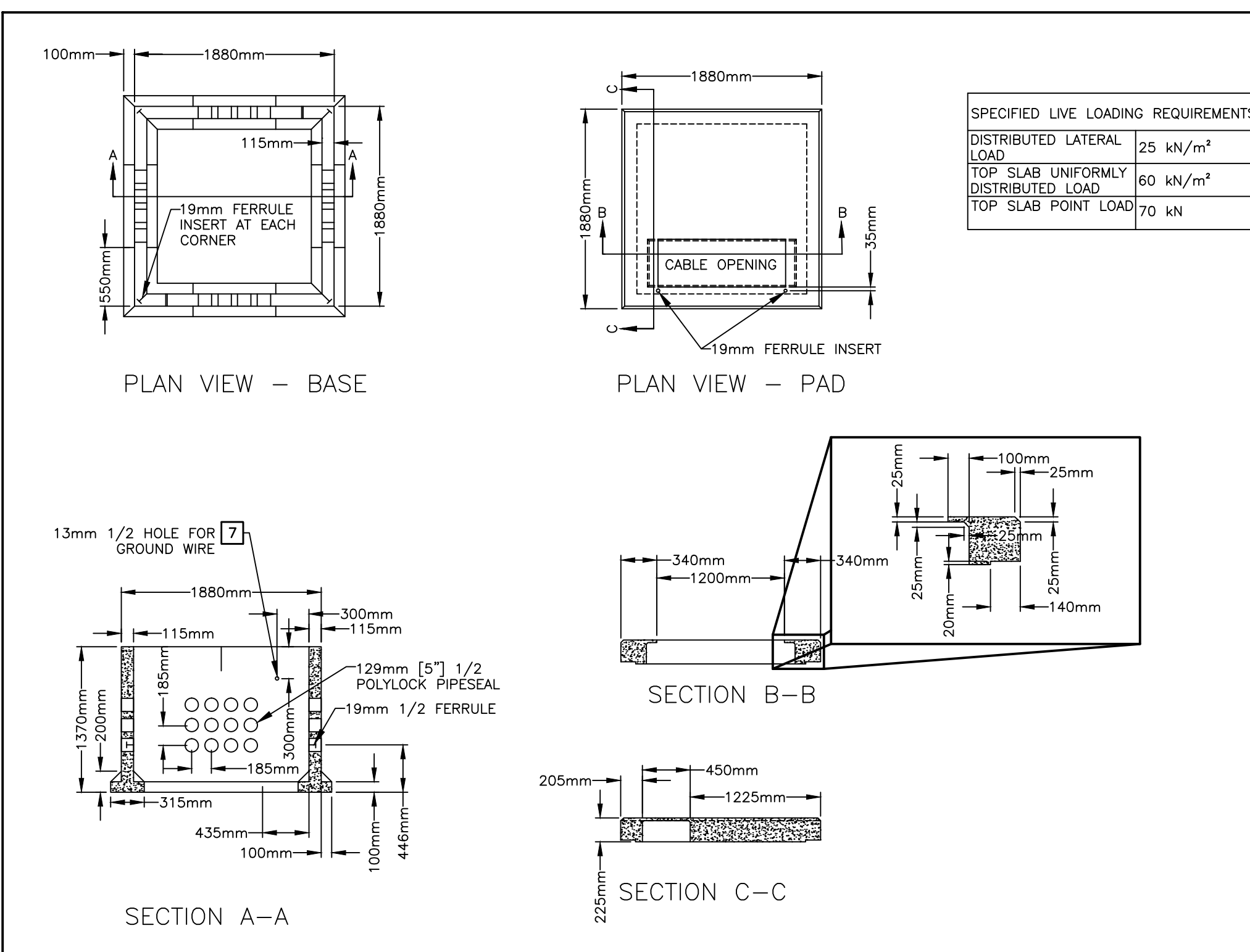


project: **BUILDING U89B UTILITY SUPPLY UPGRADE**
 UPLANDS CAMPUS

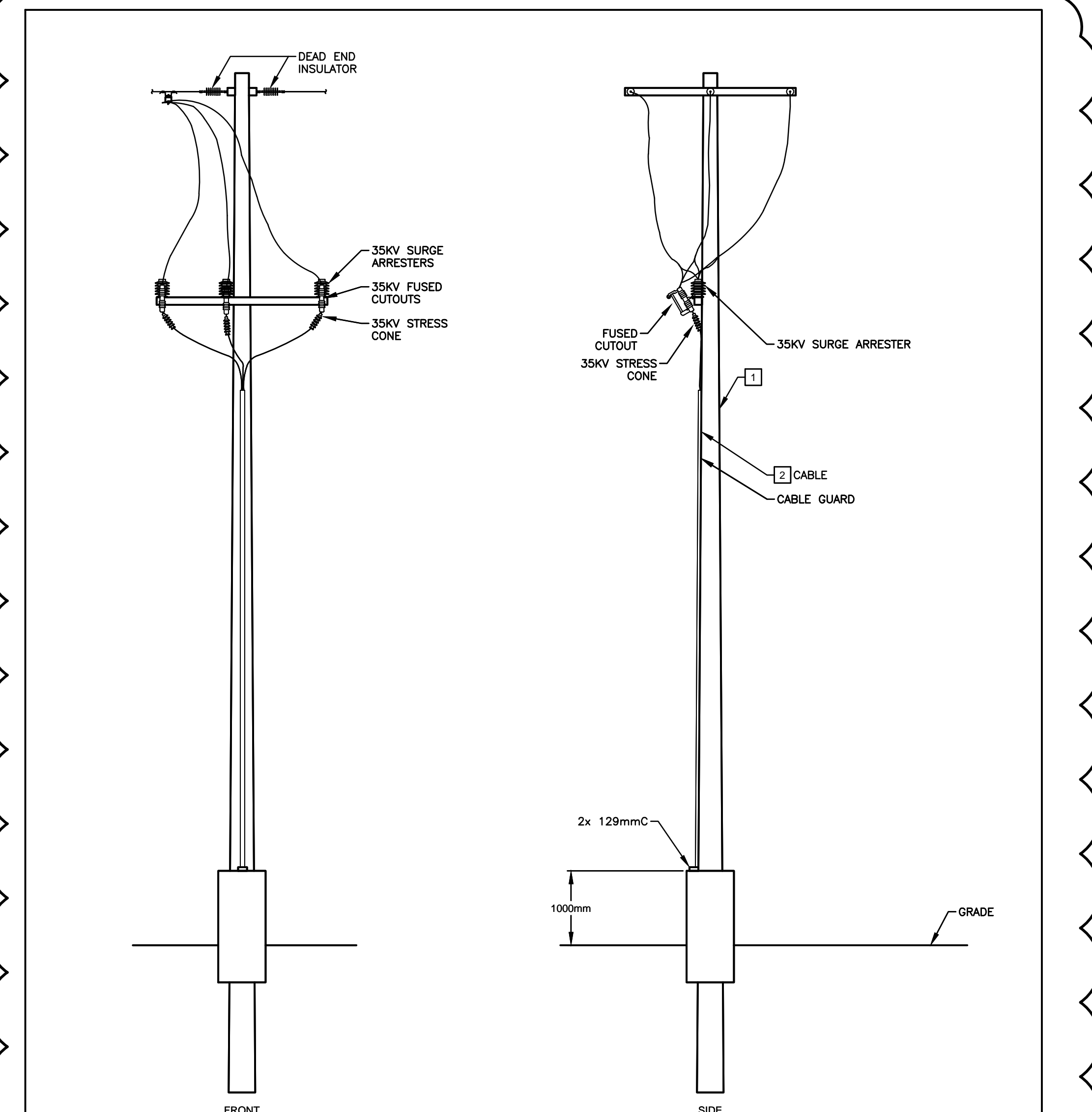
drawing: **ELECTRICAL DETAILS #1**

designed	conçu	date	date
RMCCALLUM		16.01.06	
drawn	dessiné	scale	échelle
RMCCALLUM		AS SHOWN	
checked	vérifié	sheet	feuille
D.VAN GAAL		6 of/de	7
approved	approuvé	W.O.no.	D.T.no.
D.VAN GAAL		A1-005791	
dwg.no.		Stantec No: 163302049	dessin no.

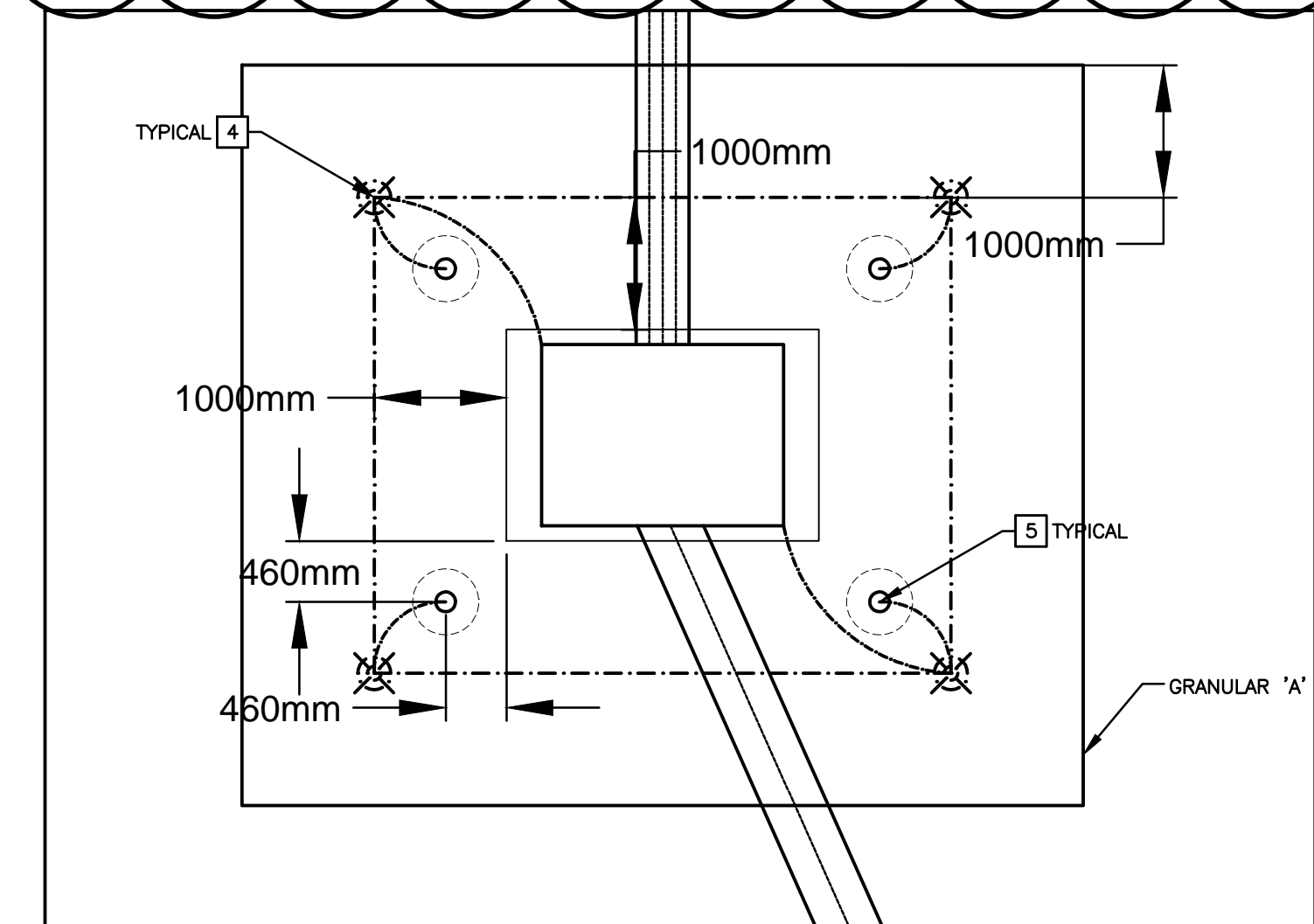
4056-E06



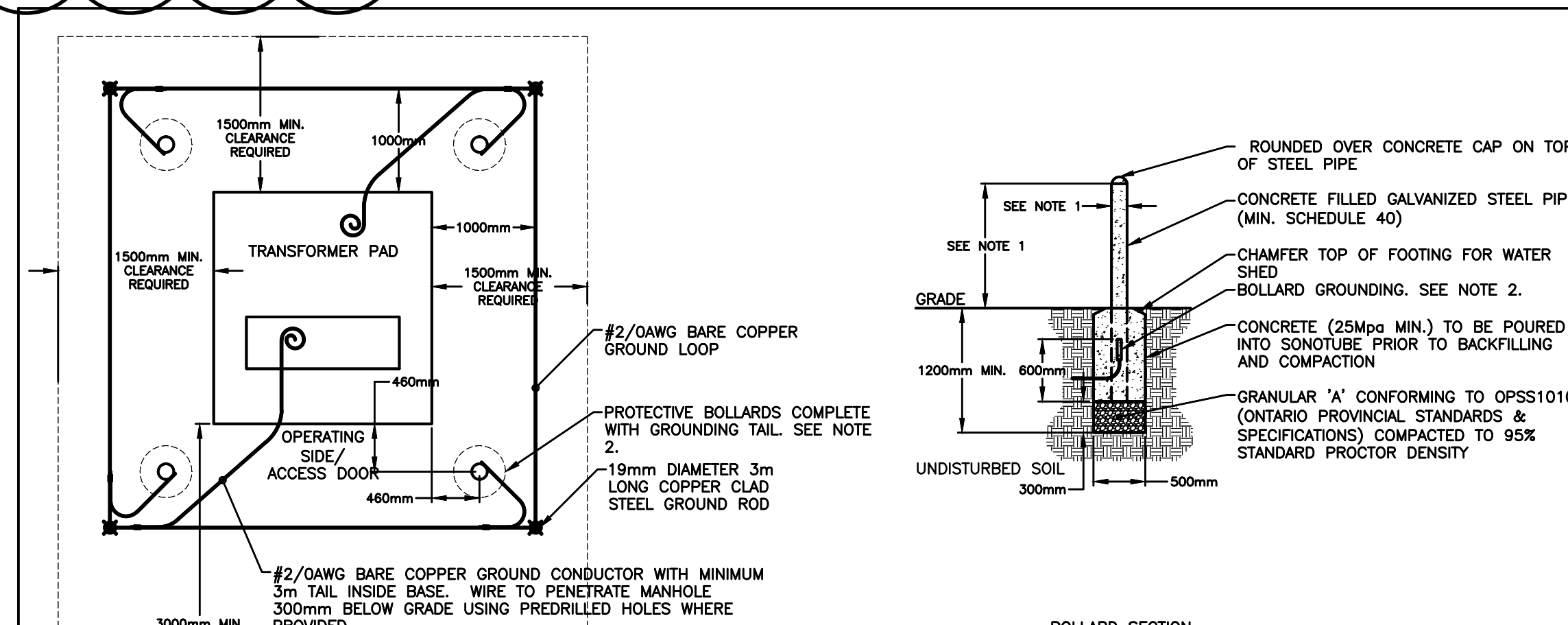
B TRANSFORMER PAD
 E06 N.T.S.



A HYDRO OTTAWA POLE - FOR REFERENCE ONLY
 E06 N.T.S.



C TRANSFORMER BOLLARD AND GROUND RODS PLAN
 E06 1:50



D TYPICAL BOLLARD DETAIL
 E06 N.T.S.

C:\1218-F02\work_group\01-633\active\163302049_NRC_U89B Electrical Supply (DWG)\drawing\163302049_4Details.DWG
 2016/06/10 11:26 PM By: McCallum, Rory