



Addendum / Addenda

No./N^o
3

Project Description / Description de projet NRC Uplands - Building U89B Utility Supply Upgrade		
Solicitation No./ No de sollicitation	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 20, 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

Specifications

Section 26 05 21, Paragraph 2.3

Replace part 2.3 with the following text :

- 2.3 TECK CABLE, NON-SHIELDED (0 -1000V)**
- .1 Cable: to CAN/CSA-C22.2 No. 131 and No. 174.
 - .2 Conductors:
 - .1 Grounding conductor: copper.
 - .2 Circuit conductors: copper, size and quantity as indicated.
 - .3 Insulation:
 - .1 Chemically cross-linked polyethylene, type RW90, 1000V.
 - .2 Color coded: black, red, blue and
 - .4 Inner jacket: Lead free, flame resistant, moisture and sunlight resistant polyvinyl chloride material.
 - .5 Armour: interlocking aluminum.
 - .6 Overall covering: Lead free, flame retardant, moisture, and sunlight resistant polyvinyl chloride material.
 - .7 Teck cables in outdoor locations to be UV approved and capable of being installed in raceways.

Drawings

Update drawing D-4056-E03, Rev F, "Re-Issued for Tender" as per Figure No. ADD3-ESK1.

Update drawing D-4056-E05, Rev F, "Re-Issued for Tender" as per Figure No. ADD3-ESK2.

Update drawing D-4056-E07, Rev F, "Re-Issued for Tender" as per Figure No. ADD3-ESK3.

Mechanical- compressed air tanks weigh approximately 900-950 pounds.

END

Issued by:



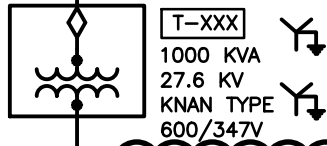
Signature

June 20, 2016

Dated

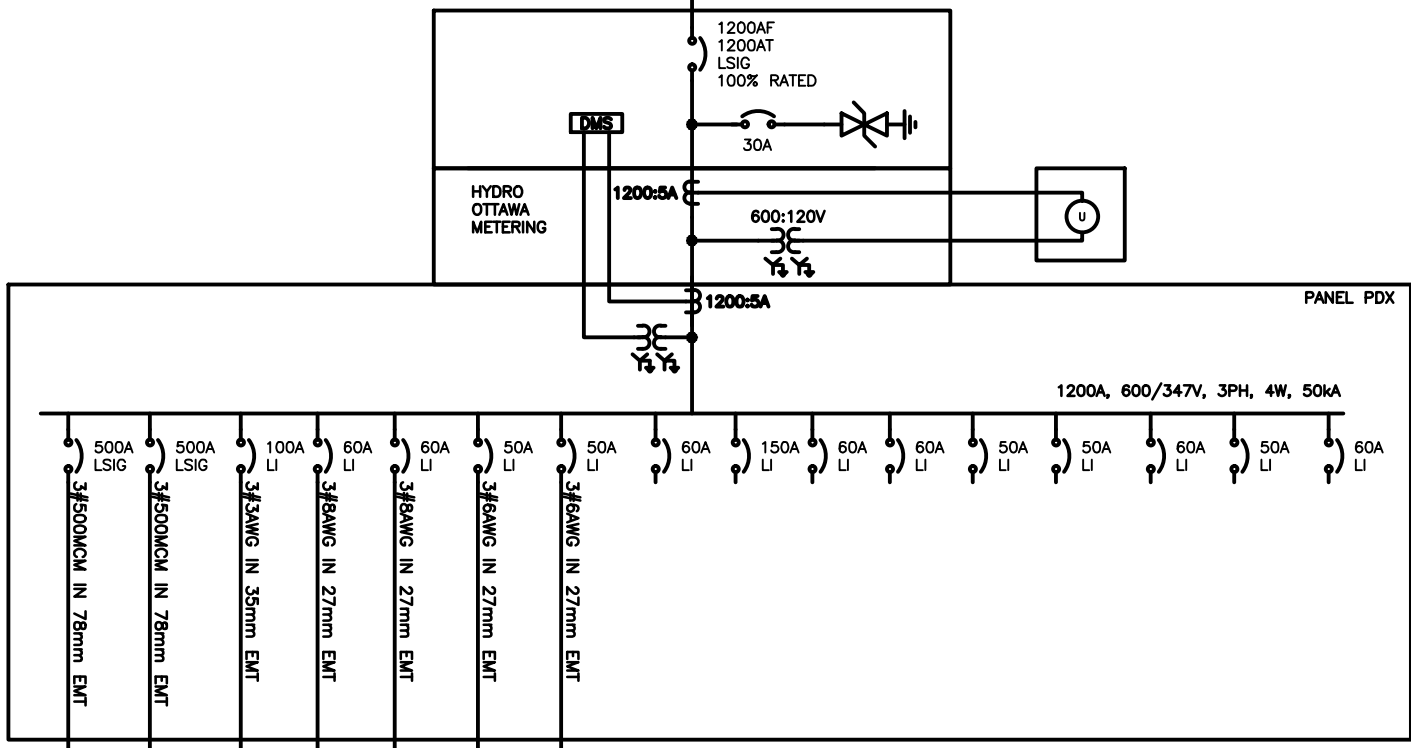
Copies to: Christopher Day – Chris.Day@nrc-cnrc.gc.ca; Derek van Gaal – Derek.vanGaal@Stantec.com

4056-E03



4x(4/C - 500MCM 1000V, CU) TECK90

BUILDING U89B



7 CONTRACTOR TO SCHEDULE WITH HYDRO OTTAWA THE ISOLATION OF THE 27.6kV SERVICE. CONTRACTOR TO SUPPLY, INSTALL AND TERMINATE NEW 4x(4/C - 500MCM, 1000V, CU) TECK90 CABLES FROM SECONDARY OF NEW PADMOUNTED TRANSFORMER TO NEW 1200A PANELBOARD.

ORIGINAL SHEET - ISO B4

June, 2016
163302049



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Figure No.

ADD3 - ESK1

Title

ELECTRICAL - SINGLE LINE DIAGRAM
NEW CONSTRUCTION

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4056-E05

DRAWING NOTES:



12 CONTRACTOR TO SUPPLY, INSTALL, AND TERMINATE NEW 4x(4/C - 500MCM 1000V, TECK90, CU) AT SECONDARIES OF TRANSFORMERS AND AT 1200A SWITCHBOARD.

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Figure No.

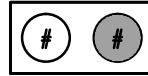
ADD3 - ESK2

Title

ELECTRICAL
SITE LAYOUT

DUCT SCHEDULE					
NO.	FROM	TO	DIAM.	FEEDER HOUSED IN DUCT	CONDUCTOR(S)
1	NEW DIP POLE	NEW 1000kVA TRANSFORMER	129 mm	U89-LS2	HYDRO PROVIDED CABLE
2	NEW DIP POLE	NEW 1000kVA TRANSFORMER	129 mm	SPARE	8mm POLYPROPYLENE ROPE
3	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	FEED TO SWITCHBOARD PDX	(4/C-#500MCM, 1000V, TECK90, CU)
4	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	FEED TO SWITCHBOARD PDX	(4/C-#500MCM, 1000V, TECK90, CU)
5	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	FEED TO SWITCHBOARD PDX	(4/C-#500MCM, 1000V, TECK90, CU)
6	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	FEED TO SWITCHBOARD PDX	(4/C-#500MCM, 1000V, TECK90, CU)
7	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	SPARE	8mm POLYPROPYLENE ROPE
8	NEW 1000kVA TRANSFORMER	NEW 1200A SWITCHBOARD	129 mm	SPARE	8mm POLYPROPYLENE ROPE

LEGEND:



DUCT BANK
 # DENOTES DUCT NUMBER. SEE DUCT TABLE FOR DETAILS
 SHADED DUCT DENOTES SPARE DUCT



Legend

Notes

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 SERVICE ENTRANCE UPGRADE

Figure No.
 ADD3 - ESK3

Title
 ELECTRICAL - DETAIL 2