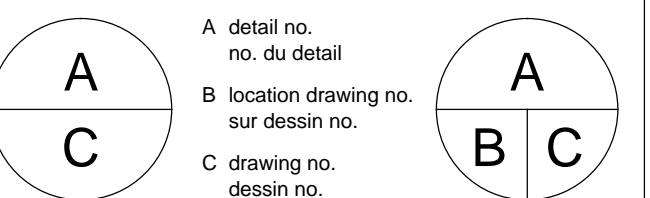




Contractor to verify all dimensions  
& conditions on site and immediately  
notify the engineer of all discrepancies.

1	ISSUED FOR TENDER	10/04/13
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revisions	description	date
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project	projet
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CONFEDERATION HEIGHTS/  
CENTRAL EXPERIMENTAL FARM  
HIGH VOLTAGE  
CABLE REPLACEMENT

drawing	dessin
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CENTRAL EXPERIMENTAL  
FARM  
SITE PLAN

Designed By	ACN	Conçu par
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Date	2013/08/22	(yyyy/mm/dd)
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Drawn By	JGF	Dessiné par
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Date	2013/08/22	(yyyy/mm/dd)
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Reviewed By	ACN	Examiné par
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Date	2013/08/22	(yyyy/mm/dd)
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Approved By		Approuvé par
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Date		(yyyy/mm/dd)
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Tender		Soumission
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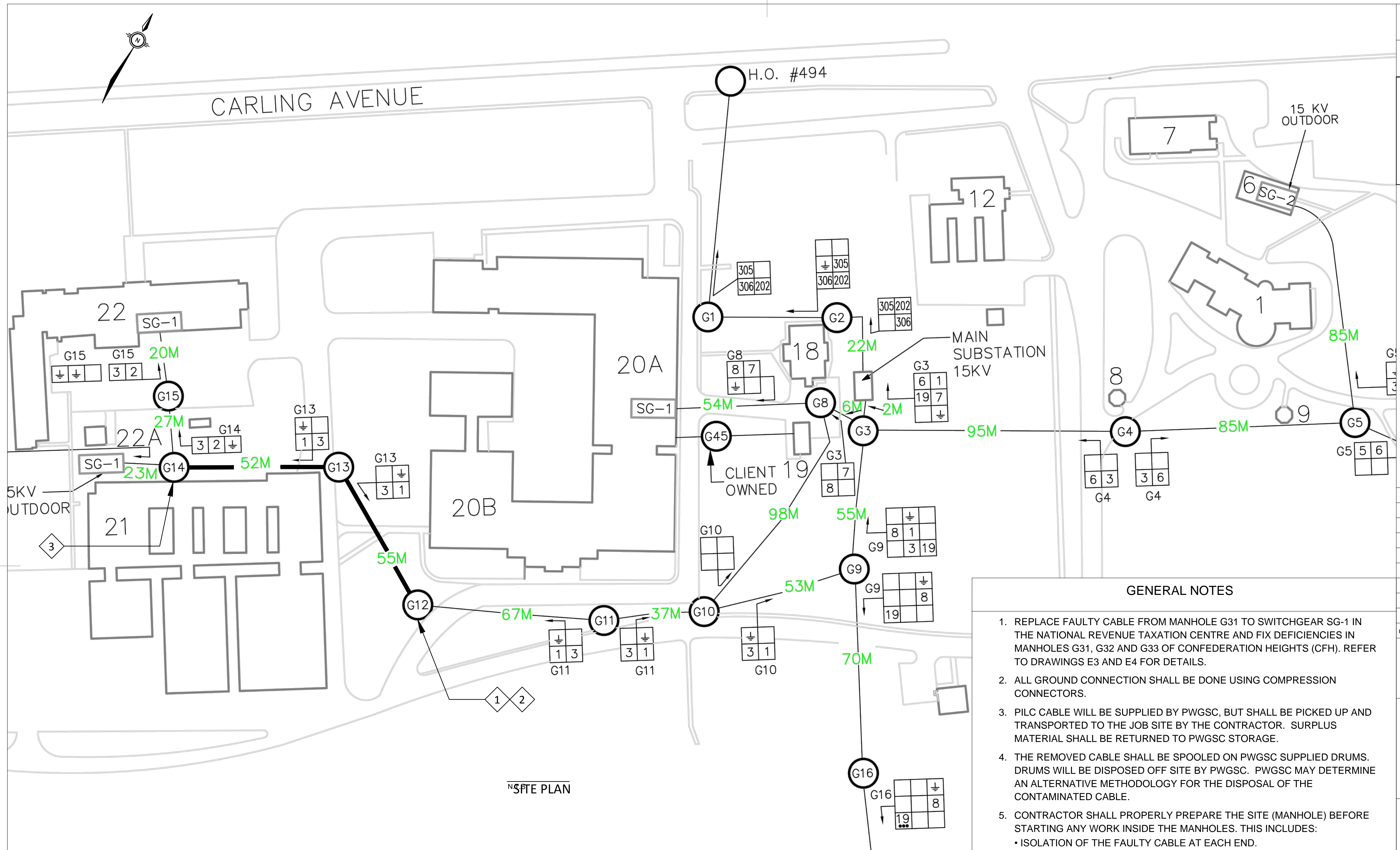
Project Manager		Administrateur de projets
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Project no.	R066711.001	No. du projet
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	R720041.001	
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Drawing no.		No. du dessin
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E-02



Site Plan

DRAWING NOTES

- REMOVE THE FAULTY CABLE #1 (3 X 500 MCM PILC) FROM MANHOLE G12 TO THE OUTDOOR SWITCHGEAR SG-1 LOCATED AT THE NORTH OF HEADER HOUSE AND REPLACE IT WITH THE FOLLOWING:
  - 3 X 500 MCM PILC CABLE (PWGSC SUPPLIED) FROM MANHOLE G12 TO G14.
  - 3 X 500 MCM XLPE COPPER CABLE (PROVIDED BY CONTRACTOR) FROM MANHOLE G14 TO SG-1.
- SPLICE REPLACEMENT CABLE TO THE EXISTING CABLE #1 COMING FROM MANHOLE G11.
- SPLICE XLPE CABLE TO PILC CABLE IN MANHOLE G14. TERMINATE CABLE TO SG-1 WITH NEW TERMINATIONS.

BUILDINGS

20. K.W. NEATBY BUILDING  
21. HEADER HOUSE  
22. LABORATORY SERVICE BUILDING  
22A. CHEMICAL STORAGE

GENERAL NOTES

- REPLACE FAULTY CABLE FROM MANHOLE G31 TO SWITCHGEAR SG-1 IN THE NATIONAL REVENUE TAXATION CENTRE AND FIX DEFICIENCIES IN MANHOLES G31, G32 AND G33 OF CONFEDERATION HEIGHTS (CFH). REFER TO DRAWINGS E3 AND E4 FOR DETAILS.
- ALL GROUND CONNECTION SHALL BE DONE USING COMPRESSION CONNECTORS.
- PILC CABLE WILL BE SUPPLIED BY PWGSC, BUT SHALL BE PICKED UP AND TRANSPORTED TO THE JOB SITE BY THE CONTRACTOR. SURPLUS MATERIAL SHALL BE RETURNED TO PWGSC STORAGE.
- THE REMOVED CABLE SHALL BE SPOOLED ON PWGSC SUPPLIED DRUMS. DRUMS WILL BE DISPOSED OFF SITE BY PWGSC. PWGSC MAY DETERMINE AN ALTERNATIVE METHODOLOGY FOR THE DISPOSAL OF THE CONTAMINATED CABLE.
- CONTRACTOR SHALL PROPERLY PREPARE THE SITE (MANHOLE) BEFORE STARTING ANY WORK INSIDE THE MANHOLES. THIS INCLUDES:
  - ISOLATION OF THE FAULTY CABLE AT EACH END.
  - GROUNDING, TAGGING AND LOCKING OF DISCONNECTING MEANS.
- PERFORM TESTING AS SPECIFIED OF THE REPLACEMENT CABLE PRIOR TO INSTALLATION OF THE CABLES IN DUCTS.
- PERFORM TESTING AND COMMISSIONING OF THE REPLACEMENT CABLE UPON COMPLETION OF WORK.
- COORDINATE TESTING AND SWITCHING OF SWITCHGEAR (ISOLATION AND RE-ENERGIZING) WITH THE FACILITY OPERATORS OF CFH.
- REFER TO SPECIFICATIONS FOR TESTING AND COMMISSIONING REQUIREMENTS.
- WRAP CABLE AND SPLICE WITH FIRE RETARDANT ELECTRIC ARC PROOFING TAPE.
- PROVIDE SUPPORT BRACKETS FOR NEW CABLES AND BOND BRACKETS TO GROUND WITH #2/0 COPPER CONDUCTOR WITH COMPRESSION CONDUCTORS.
- IDENTIFY CABLES WITH LAMACOID NAMEPLATES.
- PROVIDE INSULATOR UNDERNEATH CABLES TO ISOLATE FROM GROUND METAL SUPPORTS.