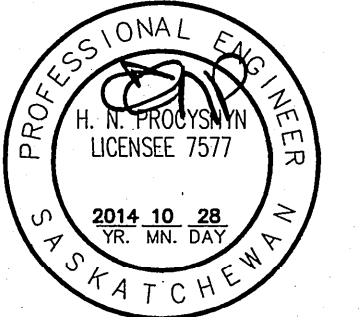
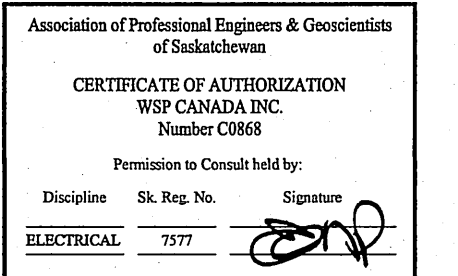


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1800 BUFFALO PLACE  
WINNIPEG (MANITOBA) CANADA R3T 6B8  
TEL.: 204-477-6650 | FAX.: 204-474-2854 | WWW.WSPGROUP.COM



DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
1	ISSUED FOR TENDER	2014/10/28
0	ISSUED FOR TENDER	2014/09/25

Client/client

PUBLIC WORKS AND  
GOVERNMENT SERVICES  
CANADA

125-32ND STREET WEST  
PRINCE ALBERT, SASKATCHEWAN

Project title/Titre du projet  
SASKATCHEWAN PENITENTIARY  
15TH STREET WEST  
PRINCE ALBERT, SASKATCHEWAN

NEW FUEL TANKS  
AT SASKATCHEWAN  
PENITENTIARY

Approved by/Approuvé par  
H.P.

Designed by/Concept par  
D.G.

Drawn by/Dessiné par  
O.N./D.G.

PWGSC Project Manager/Administrateur de Projets TPSGC  
LINDA E. KAMINSKI

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client  
PWGSC

Drawing title/Titre du dessin

ABOVE GROUND TANK,  
PROPANE DISPENSER  
POWER AND SYSTEM

Project No./No. du  
projet  
R.059705.001

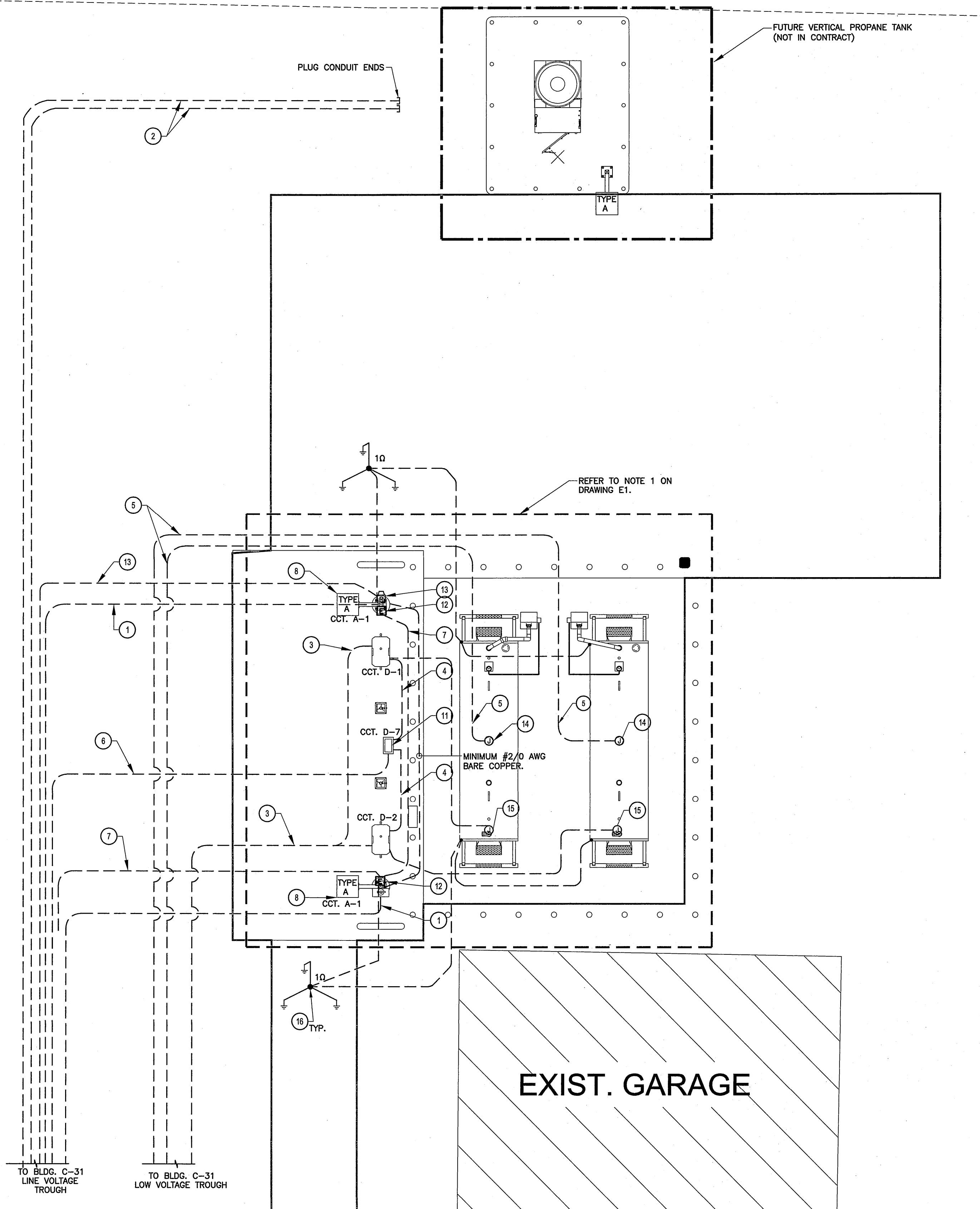
Sheet/Feuille  
E2

8 OF 9

Revision no./  
La Révision  
no.  
1

DRAWING KEYNOTES:

- 3C#12AWG, Cu, TECK 90 CABLE FOR EXPLOSION PROOF LED DAVIT LIGHT.
- PROVIDE 2x41mm<sup>2</sup> RGS C/W PULL CORD TERMINATED AT LINE VOLTAGE TROUGH AND 1x21mm<sup>2</sup> RGS CONDUIT C/W PULL CORD TERMINATED AT LOW VOLTAGE TROUGH FOR FUTURE PROPANE DISPENSER SYSTEM. PLUG CONDUIT ENDS.
- PROVIDE SHIELDED, TWISTED COPPER CONTROL CABLE IN RGS CONDUITS FOR PROBES AND SENSOR FOR LIQUIDS AND VAPOR. WIRE AND CONNECT TO AUTOMATIC TANK MONITORING AND LEAK DETECTION EQUIPMENT IN BUILDING.
- PROVIDE CONTROL AND POWER WIRING IN CONDUITS FOR PUMP DISPENSER AND FUEL ISLAND TERMINAL INTERCONNECTION.
- PROVIDE SHIELDED, TWISTED COPPER CONTROL CABLE IN RGS CONDUITS FOR ABOVE GROUND TANK PROBES AND SENSOR FOR LIQUIDS AND VAPOR. WIRE AND CONNECT TO AUTOMATIC TANK MONITORING AND LEAK DETECTION EQUIPMENT IN BUILDING.
- PROVIDE POWER AND SYSTEM WIRING IN CONDUITS INTERCONNECTION FOR PUMP DISPENSER FROM FUEL ISLAND TERMINAL TO LINE VOLTAGE TROUGH AND PANEL D IN BUILDING.
- 2C#14AWG, Cu, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm<sup>2</sup> RGS CONDUIT FOR EMERGENCY STOP BUTTON MOUNTED TO POLE.
- PROVIDE LED SINGLE HEAD DAVIT LIGHT. SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO LUMINAIRE SCHEDULE, DRAWING E3 FOR DETAILS. SEE DRAWING S2 DETAIL 7 FOR MOUNTING DETAIL. FOUNDATION BY STRUCTURAL.
- WEATHERPROOF CARD READER, SUPPLIED AND INSTALLED BY MECHANICAL. WIRED AND INSTALLED BY ELECTRICAL.
- SUPPLY AND INSTALL EMERGENCY STOP PUSHBUTTON.
- SUPPLY AND INSTALL WEATHERPROOF RED STROBE LIGHT MOUNTED TO LIGHT POLE. WIRE AND CONNECT 2C#14AWG, Cu, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm<sup>2</sup> RGS. STROBE LIGHT SHALL TURN ON WHEN EMERGENCY PUSHBUTTON IS ACTIVATED. PROVIDE WIRING INTERCONNECTION, ASSOCIATED RELAYS AND CONTACTORS AS REQUIRED. LOCATE RELAY AND CONTACTOR IN BUILDING.
- PROVIDE LEVEL SENSOR AS PER MANUFACTURER RECOMMENDATION.
- PROVIDE SOLENOID VALVE AS PER MANUFACTURER RECOMMENDATION.
- GROUND RODS AND GRID TO ACHIEVE  $\leq 1\Omega$  MEASURED RESISTIVITY USING FALL OF POTENTIAL METHOD.



1 POWER AND SYSTEMS PLAN  
E2 NTS