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

**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
D.N./D.G.

PWGSC Project Manager/Administrateur de Projets TPSGC
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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	Sheet/Feuille	Revision no./ La Révision no.
R.059705.001	E2	2

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- 1 3C#12AWG, CU, TECK 90 CABLE FOR EXPLOSION PROOFED LEAD DAUGHT LIGHT.
- 2 PROVIDE 2x41mm# RGS C/W PULL CORD TERMINATED AT LINE VOLTAGE TROUGH FOR LOW VOLTAGE TROUGH FOR FUTURE PROPANE DISPENSER SYSTEM. PLUG CONDUIT ENDS.
- 3 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.
- 4 PROVIDE CONTROL AND POWER WIRING IN CONDUITS FOR PUMP DISPENSER AND FUEL ISLAND TERMINAL INTERCONNECTION.
- 5 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.
- 6 PROVIDE POWER AND SYSTEM WIRING IN CONDUITS INTERCONNECTION FOR PUMP DISPENSER FROM FUEL ISLAND TERMINAL TO LINE VOLTAGE TROUGH AND PANEL D IN BUILDING. PROVIDE 1x-27mm# SPARE RGS CONDUIT C/W PULL STRIP TERMINATED IN LOW VOLTAGE TROUGH
- 7 2C#14AWG, CU, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm# RGS CONDUIT FOR EMERGENCY STOP BUTTON MOUNTED TO POLE.
- 8 PROVIDE LED SINGLE HEAD DAUGHT 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.
- 9 WEATHERPROOF CARD READER, SUPPLIED AND INSTALLED BY MECHANICAL. WIRED AND INSTALLED BY ELECTRICAL.
- 12 SUPPLY AND INSTALL EMERGENCY STOP PUSHBUTTON.
- 13 SUPPLY AND INSTALL EXPLOSION PROOF HORN AND BEACON MOUNTED ON LIGHT POLE. WIRE AND CONNECT 3C#14AWG, CU, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm# RGS. PROVIDE WIRING INTERCONNECTION, ASSOCIATED RELAYS AND CONTACTORS AS REQUIRED. LOCATORS RELAY AND CONTACTOR IN BUILDING. REFER TO SEQUENCE OF OPERATION IN DRAWING E3, DETAIL 4.
- 14 PROVIDE LEVEL SENSOR AS PER MANUFACTURER RECOMMENDATION.
- 15 PROVIDE SOLENOID VALVE AS PER MANUFACTURER RECOMMENDATION.
- 16 GROUND RODS AND ROD TO ACHIEVE ≤ 10 MEASURED RESISTIVITY USING FALL OF POTENTIAL METHOD.
- 17 NEW CIRCUIT BREAKER SHALL MATCH INTERRUPTING CAPACITY AND MANUFACTURER OF EXISTING PANEL. CONFIRM EXACT LOCATION OF CDP ON SITE.
- 18 3C#6AWG, CU, RWU90 PLUS GROUND IN 35mm# RGS CONDUIT. PROVIDE TRENCHING AND BACKFILLING.