



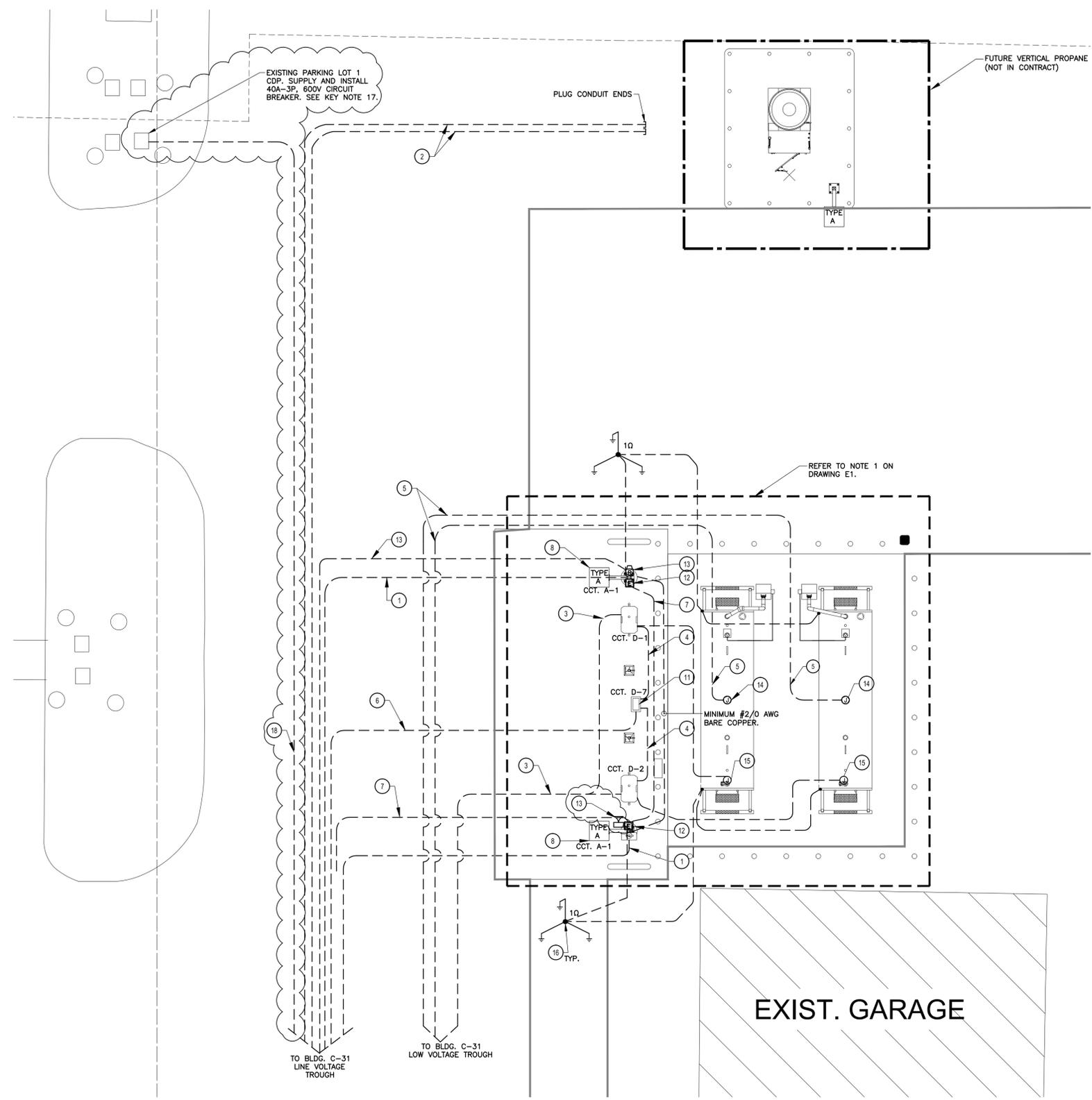
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Association of Professional Engineers & Geoscientists of Saskatchewan
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Discipline: ELECTRICAL, Sk. Reg. No.: 7577, Signature: _____



DRAWING KEYNOTES:

- 1 3C#12AWG, Cu, TECK 90 CABLE FOR EXPLOSION PROOF LED DAVIT LIGHT.
- 2 PROVIDE 2x41mm ϕ RGS C/W PULL CORD TERMINATED AT LINE VOLTAGE TROUGH AND 1x21mm ϕ RGS CONDUIT C/W PULL CORD TERMINATED AT LOW VOLTAGE TROUGH FOR FUTURE PROPANE DISPENSER SYSTEM. PLUG CONDUIT ENDS.
- 3 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.
- 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 1-27mm ϕ SPARE RGS CONDUIT C/W PULL STRING TERMINATED IN LOW VOLTAGE TROUGH.
- 7 2C#14AWG, Cu, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm ϕ RGS CONDUIT FOR EMERGENCY STOP BUTTON MOUNTED TO POLE.
- 8 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.
- 11 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 TO LIGHT POLE. WIRE AND CONNECT 3C#14AWG, Cu, STRANDED OIL AND GAS RESISTANT CABLE IN 21mm ϕ RGS. PROVIDE WIRING INTERCONNECTION, ASSOCIATED RELAYS AND CONTACTORS AS REQUIRED. LOCATE 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 GRID 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 ϕ RGS CONDUIT. PROVIDE TRENCHING AND BACKFILLING.



1 POWER AND SYSTEMS PLAN
E2 NTS

DO NOT SCALE DRAWINGS

Revision/Revisión	Description/Description	Date/Date
2	ISSUED FOR ADDENDUM NO.1	2014/12/15
1	ISSUED FOR TENDER	2014/10/28
0	ISSUED FOR TENDER	2014/09/23

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**

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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./Lo Révision no.
R.059705.001	E2	2

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