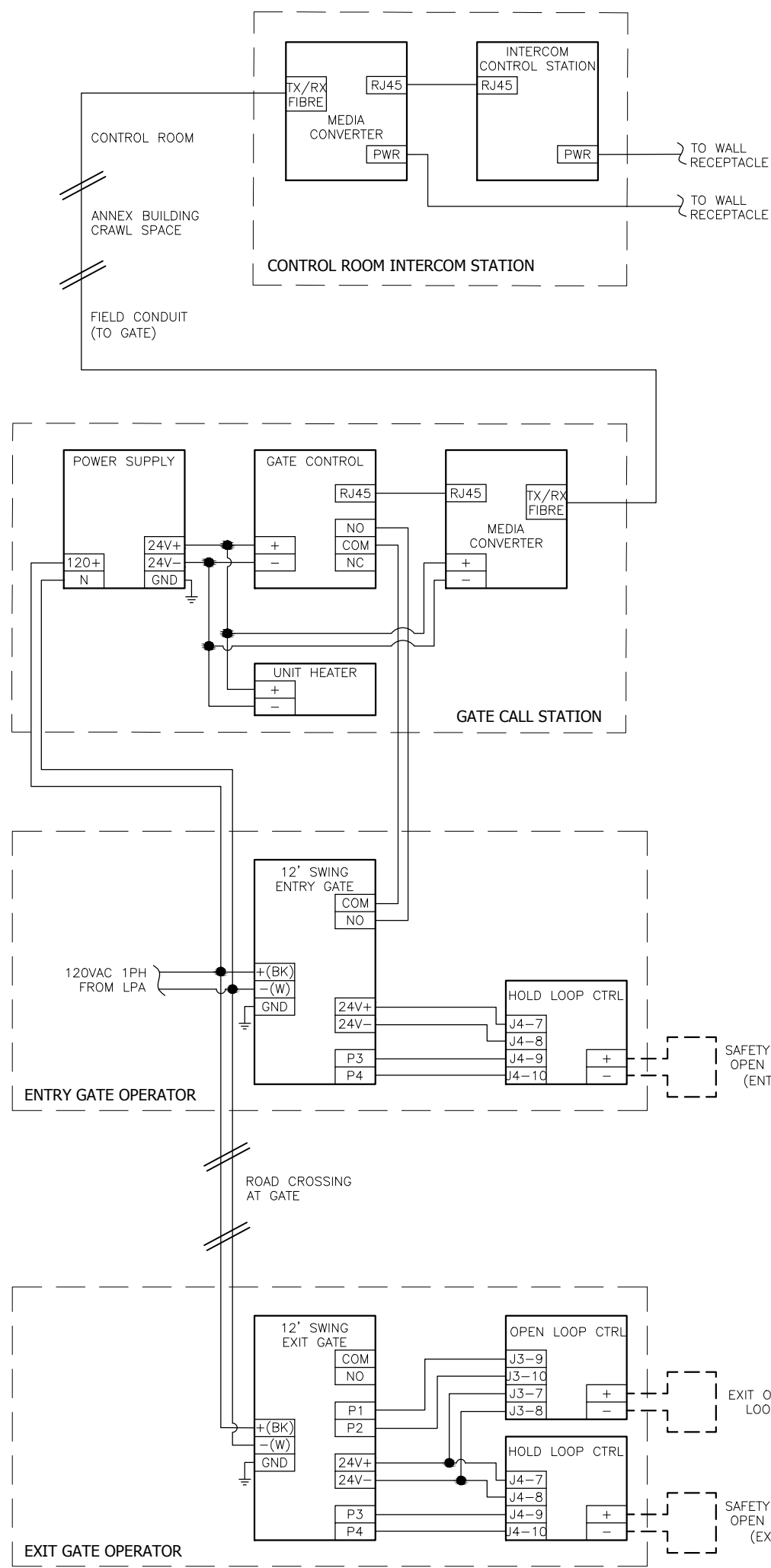
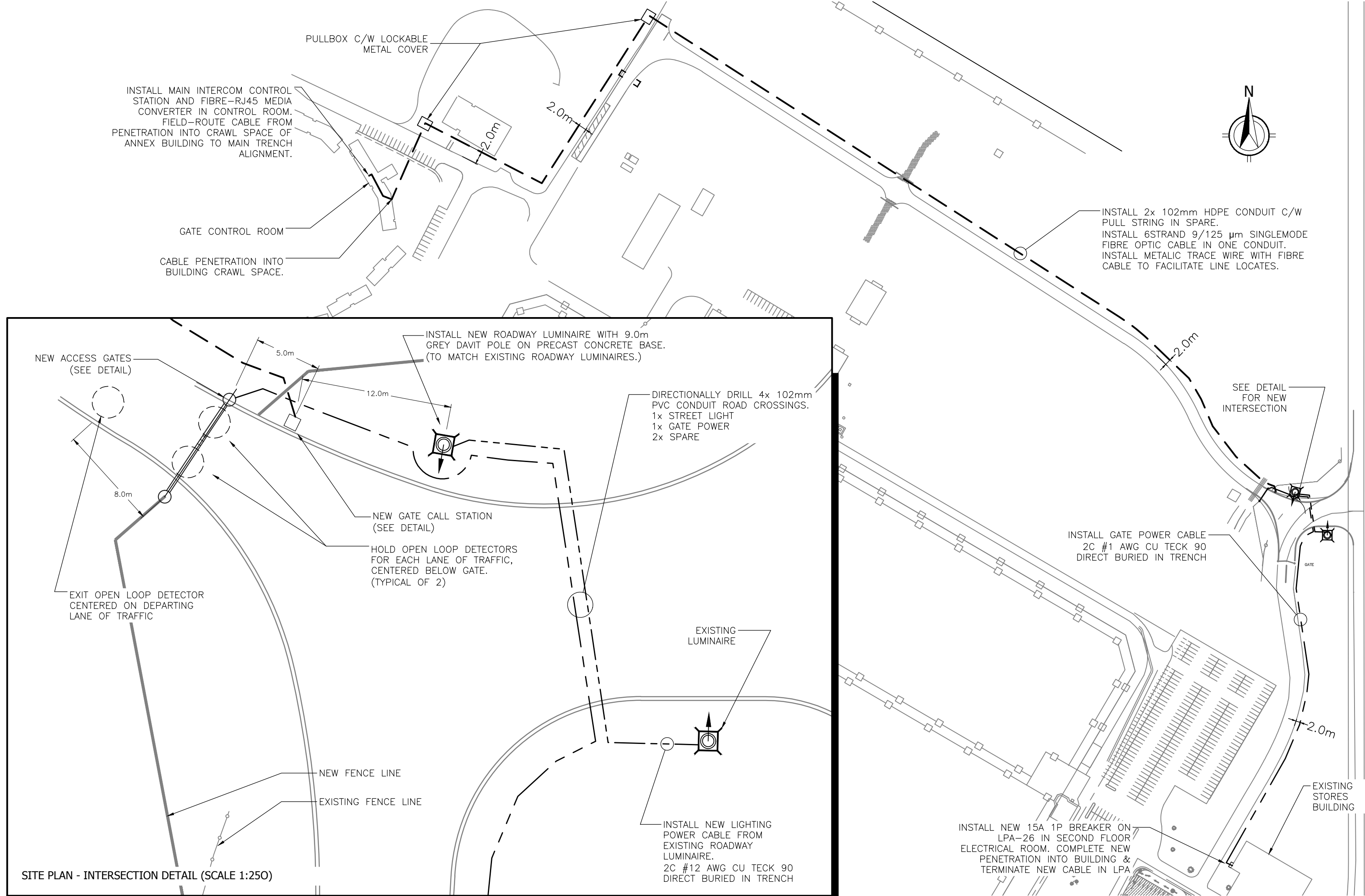


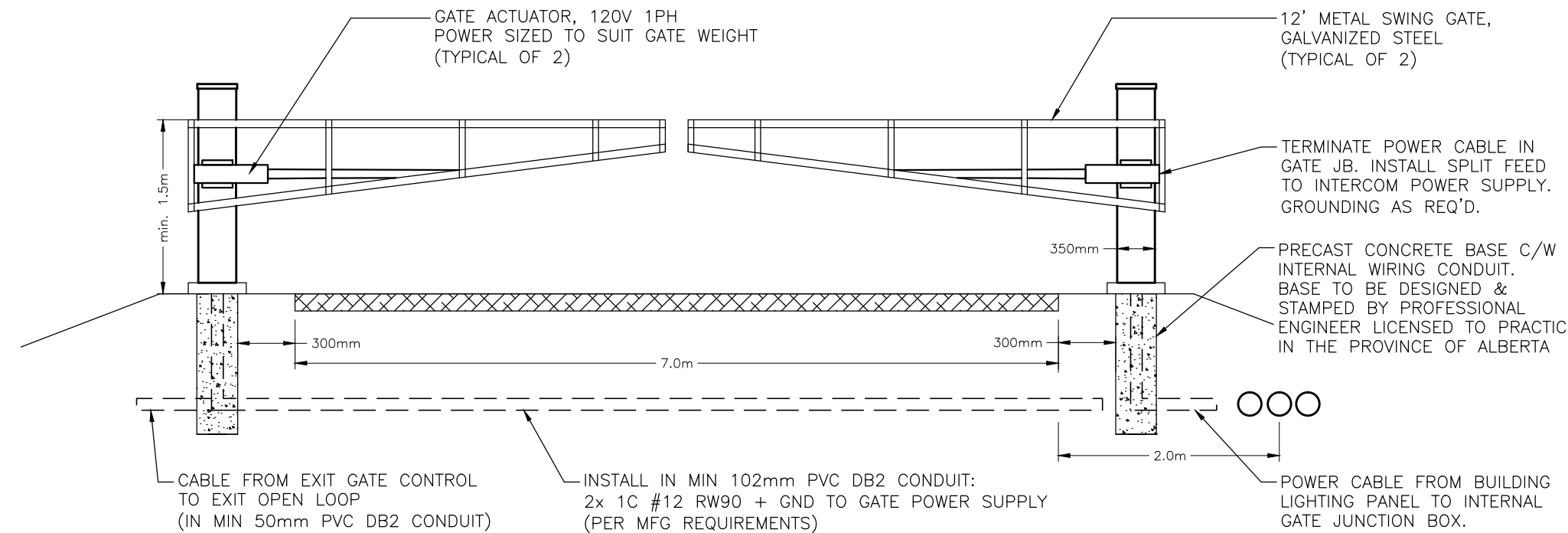
2 TYPICAL POWER/COMM TRENCH DETAIL  
SCALE - 1mm = 13.33 mm



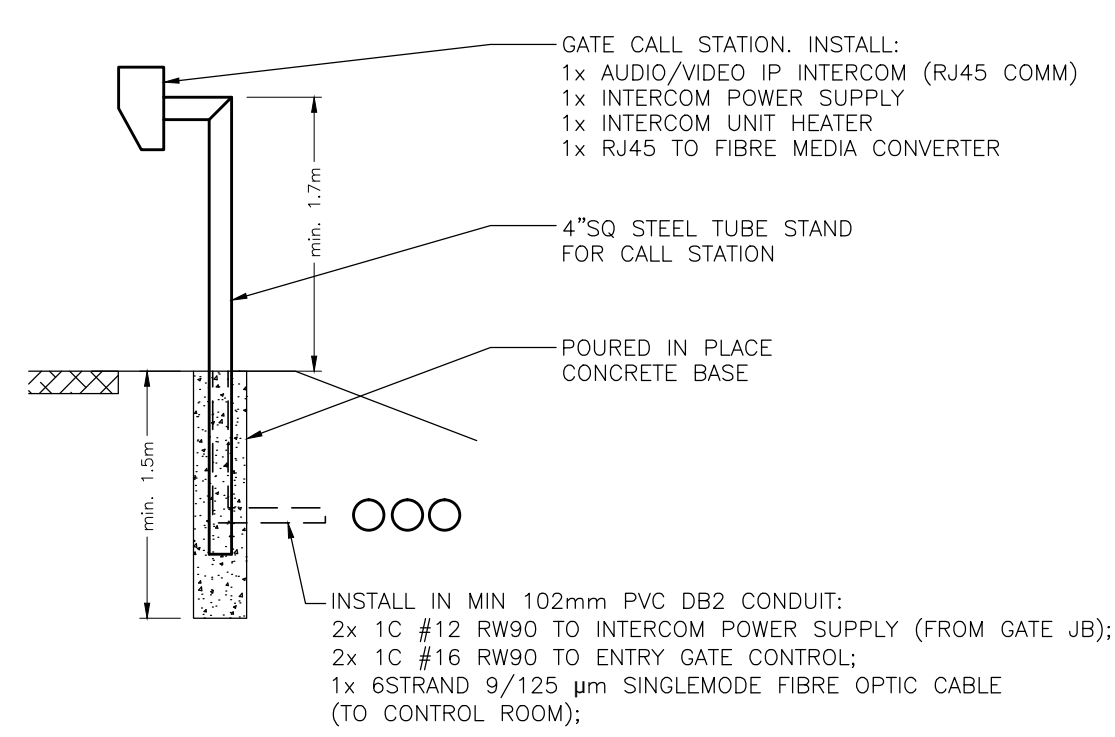
3 GATE & INTERCOM CONTROL WIRING DIAGRAM  
SCALE - NTS



1 SITE PLAN - ELECTRICAL LAYOUT  
SCALE - 1:2000



4 ROAD CROSS SECTION & GATE DETAIL  
SCALE - NTS



5 ROADSIDE CALL STATION DETAIL  
SCALE - NTS

#### CONSTRUCTION NOTES

- INSTALL ALL CABLES UNDER ROADWAYS, LANES, AND SIDEWALKS IN MINIMUM 100mm PVC CONDUIT.
- EXTEND ALL CONDUIT IN ROADWAY CROSSINGS FROM TRENCH LINE TO TRENCH LINE, WITH MINIMUM OF 300mm FROM EDGE OF ROADWAY.
- ROAD CROSSINGS MUST BE PERPENDICULAR AT RIGHT ANGLES TO THE ROADWAY.
- MAINTAIN THE FOLLOWING MINIMUM CLEARANCES FROM ALL ROAD CROSSINGS: 3.0m FROM ANY FIRE HYDRANTS, MANHOLES, CATCH BASINS, AND VALVES; 1.5m FROM SERVICE PEDESTALS; 2.0m FROM OTHER ELECTRICAL EQUIPMENT.
- MAINTAIN THE FOLLOWING MINIMUM CLEARANCES FROM ALL TRENCHES: 1.0m FROM FIRE HYDRANTS, MANHOLES, CATCHBASINS, AND VALVES.
- ROAD CROSSINGS TO BE 1.5m BELOW FINISHED GRADE WITH AT LEAST 1.1m OF COVERAGE OVER TOP OF BURIED CONDUIT.
- ALL TRENCHES TO BE COMPACTED TO MINIMUM 95% PROCTOR DENSITY.
- ALL CONDUIT TO BE PVC DB2 TYPE UNLESS OTHERWISE INDICATED.

#### GENERAL NOTES

- REFER TO THE CONSTRUCTION SPECIFICATIONS PROVIDED WITH THIS PROJECT AND CSC TECHNICAL CRITERIA STANDARDS FOR ADDITIONAL MATERIAL DETAIL AND CONSTRUCTION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS RESPONSIBLE TO ENSURE ALL INSTALLATIONS ARE IN ACCORDANCE WITH GOVERNING CODES, STANDARDS, AND REGULATIONS.
- CONTRACTOR TO VERIFY ALL MEASUREMENTS AND DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTOR TO VERIFY ALL MOTOR AND HEATER FEEDER SIZES BASED ON ACTUAL LENGTHS OF CONDUCTORS AND EQUIPMENT DATA SHEETS.
- CONTRACTOR TO VERIFY ALL LAYOUTS, WIRING, AND INSTALLATIONS PRIOR TO ARRANGING A FINAL SITE INSPECTION.
- CONTRACTOR TO NOTIFY THE ENGINEER UPON DISCOVERY OF ITEMS NOT SHOWN ON PLANS. CONTRACTOR TO AWAIT FURTHER INSTRUCTIONS FROM ENGINEER PRIOR TO PROCEEDING.
- ALL EQUIPMENT MODEL/PARTS TO BE AS SPECIFIED, OR AN EQUIVALENT PRODUCT WHEN APPROVED IN ADVANCE BY THE ENGINEER.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIAL TO ENGINEER FOR APPROVAL PRIOR TO PROCURING THE SAME AND COMMENCING WORK.
- CONTRACTOR TO VERIFY ALL WIRING AND DEVICE FUNCTIONALITY DURING SITE COMMISSIONING. CONTRACTOR TO RETURN AS-BUILT DRAWINGS SHOWING ANY FIELD MODIFICATIONS TO THE ENGINEER PRIOR TO DEMOBILIZING FROM SITE.



Public Works and  
Government Services  
Canada

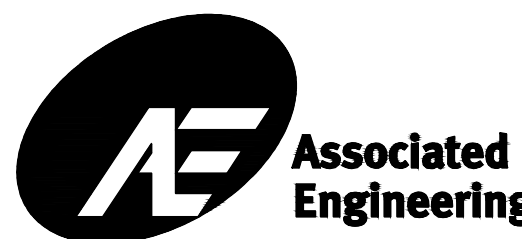
Travaux publics et  
Services gouvernementaux  
Canada

Client Services Team  
Southern Alberta  
Operations Branch

Le Client Entretien l'Équipe  
Alberta Méridional  
Branche d'Opérations

Consultant's Name  
Nom de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur



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A	99% REVIEW SUBMISSION	2014.08.13
No.	Description/Description	Date/Date

Revision / Revision	
A	détail number numéro de détail
B	source drawing no. de dessin no.
C	détail on drawing no. détail sur dessin no.

project	Correctional Service Canada	Service Correctionnel Canada	projet
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Dedicated Access Road  
Bowden Institution  
Innisfail, Alberta

drawing	dessin
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#### ELECTRICAL SITE PLAN AND DETAILS

designed	Todd Carson	concept
date	2014.07.22	
drawn	Brett Williams	dessiné
date	2014.07.22	
reviewed	Todd Carson	révisé
date	2014.07.22	
approved	.	approuvé
date	.	
Tender	.	Soumission
PWGCS Project Manager	Administrateur de Projets TPSCG	
project number	R.042714.044	no. du projet
drawing no.	E-001	no. du dessin

Canada