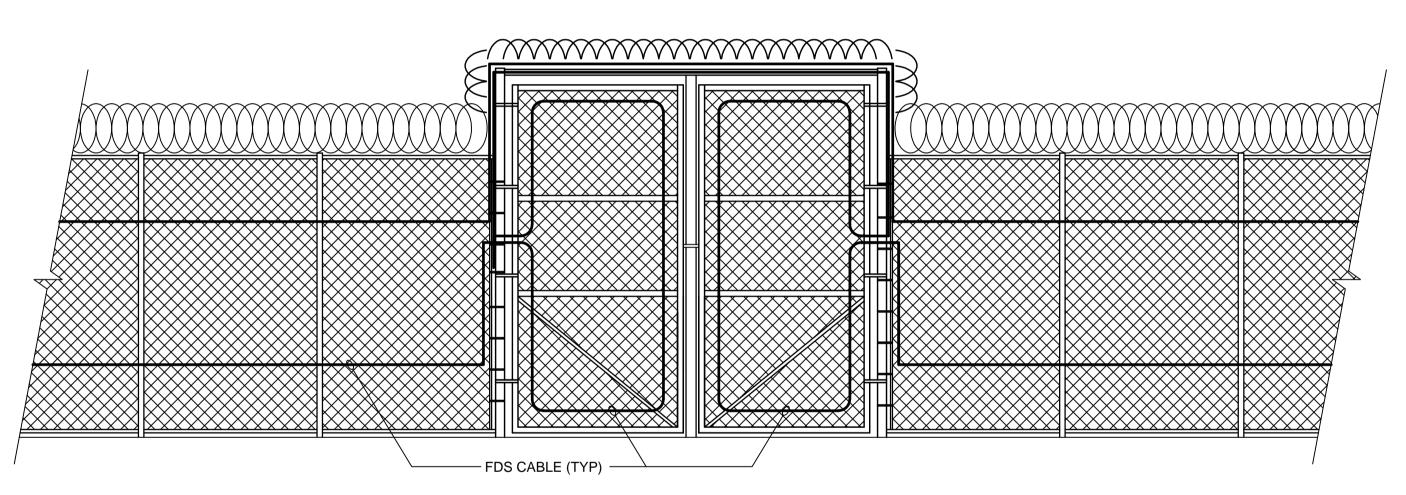


TYPICAL BURIED MDS CABLES

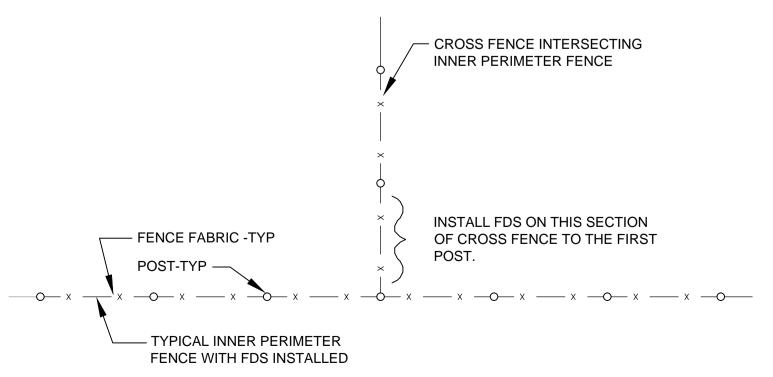
VERIFY ALL DIMENSIONS ON SITE



TYPICAL FDS FOR TEMPORARY SECURITY FENCE DETAIL

1. INTENT OF DETAIL IS TO SHOW GENERAL FDS CABLING REQUIREMENTS. EXACT FENCE DETAIL FOR EACH INSTITUTION NOT SHOWN. CORNERS NOT SHOWN. NOT ALL INSTITUTIONS HAVE A GATE ON THE TEMPORARY SECURITY FENCE.

2. CONNECT TEMPORARY FDS CABLES TO FDS SPLICE KITS ON EXISTING FENCE.



TYPICAL CROSS FENCE PLAN WITH FDS DETAIL

THIS DETAIL APPLIES TO MATSQUI GATE 23 AND MISSION GATE 14A.

GENERAL NOTES

TYPICALLY THERE IS NO ELECTRICAL WORK ON THE OUTER PERIMETER FENCES, UNLESS NOTED OTHERWISE.

2. THERE MAY BE ELECTRICAL WORK AT THE OUTER PERIMETER FENCE AREA ASSOCIATED WITH

3. UNDERGROUND SERVICES TO BE SCANNED AND HYDRO VACUUMED AS SPECIFIED IN OTHER DIVISIONS. 4. FENCE DETAILS AS SHOWN ON THE ELECTRICAL DRAWINGS IS DIAGRAMMATIC AND IS INTENDED TO SHOW THE GENERAL CONFIGURATION OF THE CHAIN LINK FENCES. EXACT DETAILS TO BE ESTABLISHED ON

OTHER DIVISION DRAWINGS.

5. REVIEW FENCE DETAILS AND PHOTOS ON OTHER DIVISION DRAWINGS. 6. PROVIDE SPLIT SLEEVES WHERE EXISTING CONDUITS PASS THROUGH NEW CONCRETE GRADE BEAMS.

7. GATES ON TEMPORARY FENCES HAVE AN IDENTIFICATION AS FOLLOWS "T-XX", WHERE "XX" IS THE ADJACENT PERMANENT GATE ID. FOR EXAMPLE, THE TEMPORARY GATE ADJACENT TO GATE 12 IS T-12.

ELECTRONIC SECURITY NOTES

1. PERFORM ALL WORK AS REQUIRED ON THE ELECTRONIC SECURITY SYSTEMS TO ENSURE THE CONTINUITY OF THE ELECTRONIC SECURITY SYSTEMS.

2. FDS - FENCE DETECTION SYSTEM - CABLES ATTACHED TO THE INNER PERIMETER CHAIN LINK FENCE - CREATES AN ALARM IF SOMEBODY TOUCHES THE FENCE.

3. FDS IS NOT INSTALLED ON OUTER PERIMETER FENCES.

4. MDS - MOTION DETECTION SYSTEM - CABLES BURIED WITHIN THE NO MAN ZONE BETWEEN THE TWO PERIMETER FENCES - CREATES AND ALARM IF SOMEBODY ENTERS THE NO MAN ZONE. REFER TO THE DETAIL ON THIS DRAWING.

5. PIDS PA - PERIMETER INTRUSION SYSTEM PUBLIC ADDRESS - A PA SYSTEM TO BE USED IF SOMEBODY ACTIVATES THE FDS OR MDS SYSTEMS.

6. PIDS CCTV - PERIMETER INTRUSION SYSTEM CLOSED CIRCUIT TV SYSTEM - A NETWORK OF CAMERAS WHICH AID WITH THE DETECTION OF PEOPLE IN THE VICINITY OF THE PERIMETER FENCES -THIS SYSTEM TYPICALLY USES FIBRE OPTIC CABLES ATTACHED TO THE TOP OF THE INNER PERIMETER

7. PROVIDE A TEMPORARY FDS SYSTEM ON ALL TEMPORARY CONSTRUCTION FENCES ATTACHED TO THE INNER PERIMETER FENCES. REMOVE TEMPORARY FDS AFTER ASSOCIATED GATE WORK HAS BEEN COMPLETED AND ACCEPTED BY THE DEPARTMENTAL REPRESENTATIVE.

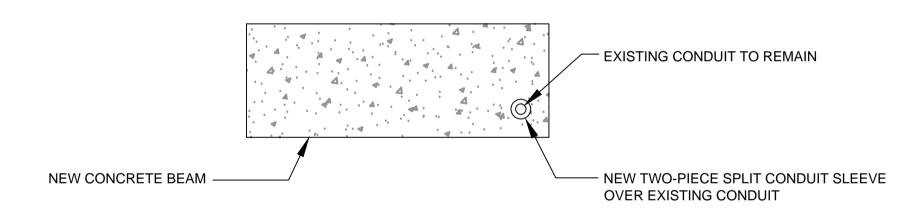
8. TEMPORARY CONSTRUCTION FENCES ATTACHED TO THE OUTER PERIMETER FENCES DO NOT REQUIRE A TEMPORARY FDS.

9. PIDS PA IS EQUIPPED WITH A CABLE ROUTED ALONG THE TOP OF THE INNER PERIMETER FENCES.

10. THE PIDS CCTV AT MATSQUI INSTITUTION IS CURRENTLY INSTALLED AT THE TOP OF THE OUTER PERIMETER FENCE.

11. EXTEND CABLES FOR FDS, FDS PROCESSOR, PIDS PA, ETC AS REQUIRED FOR TEMPORARY WORK AND REMOVE AS REQUIRED WHEN TEMPORARY FACILITIES REMOVED.

12. DO NOT SPLICE ANY FDS CABLES. EXISTING FDS CABLES ARE AN OLDER TYPE OF CABLE AND ARE NOT COMPATIBLE WITH THE NEWER AVAILABLE FDS CABLES. PROVIDE COMPLETELY NEW FDS CABLES FOR THE ENTIRE FDS SECTOR WHEREVER THERE IS ANY FDS WORK. FDS SECTORS ARE INDICATED ON SITE PLANS. OTHER CABLES SUCH AS FDS PROCESSOR AND PIDS PA CABLES MAY BE



TYPICAL CONCRETE BEAM WITH EXISTING CONDUIT

1. PROVIDE SPLIT CONDUIT SLEEVE OVER EXISTING CONDUIT TO ALLOW FOR MOVEMENT WITHOUT DAMAGING EXISTING CONDUIT.

2. CONDUIT SLEEVE TO BE AT LEAST 50mm LARGER SIZE THAN THE EXISTING CONDUIT.

WRAP CONDUIT SLEEVE TO ENSURE CONCRETE DOES NOT SEEP INTO THE SLEEVE

4. REVIEW SITE PLANS TO DETERMINE WHERE EXISTING CONDUITS PASS THROUGH NEW CONCRETE BEAMS.

5. INSTALLATION OF CONDUIT SLEEVES FOR EXISTING CONDUITS IS INCLUDED WITHIN THE WORK OF THIS CONTRACT.

6. AFTER EXCAVATING AND EXPOSING EXISTING CONDUITS, DISCUSS WITH THE DEPARTMENTAL

REPRESENTATIVE WHETHER THE BEAM LOCATIONS MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE EXISTING UNDERGROUND SERVICES, OR IF OTHER REMEDIES ARE APPROPRIATE.

7. PROVIDE SAND BED AT LEAST 75mm ABOVE AND BELOW EXPOSED CONDUIT

8. PROVIDE WARNING TAPE FOR THE LENGTH OF THE EXPOSED CONDUIT.

Public Works and Government Services

Travaux publics et Services gouvernementaux

REAL PROPERTY SERVICES Pacific Region **SERVICES IMMOBILIERS** Région de Pacifique

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2	ISSUED FOR TENDER	06NOV2020
1	ISSUED FOR TENDER REVIEW	30JUNE202
0	99% SUBMISSION	08JAN2019
Revision/ Revision	Description/Description	Date/Date
Client/clie	nt	

CORRECTIONAL **SERVICE CANADA**

Project title/Titre du projet

PACIFIC REGION PERIMETER FENCE UPGRADES

Consultant Signature Box Only

Designed by/Concept par

G. ROBERTSHAW

Drawn by/Dessine par S. BANFIELD

PWGSC Project Manager/Administrateur de Projets TPSGC DARYL SINCLAIR/ TONY TANG

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL

Drawing title/Titre du dessin

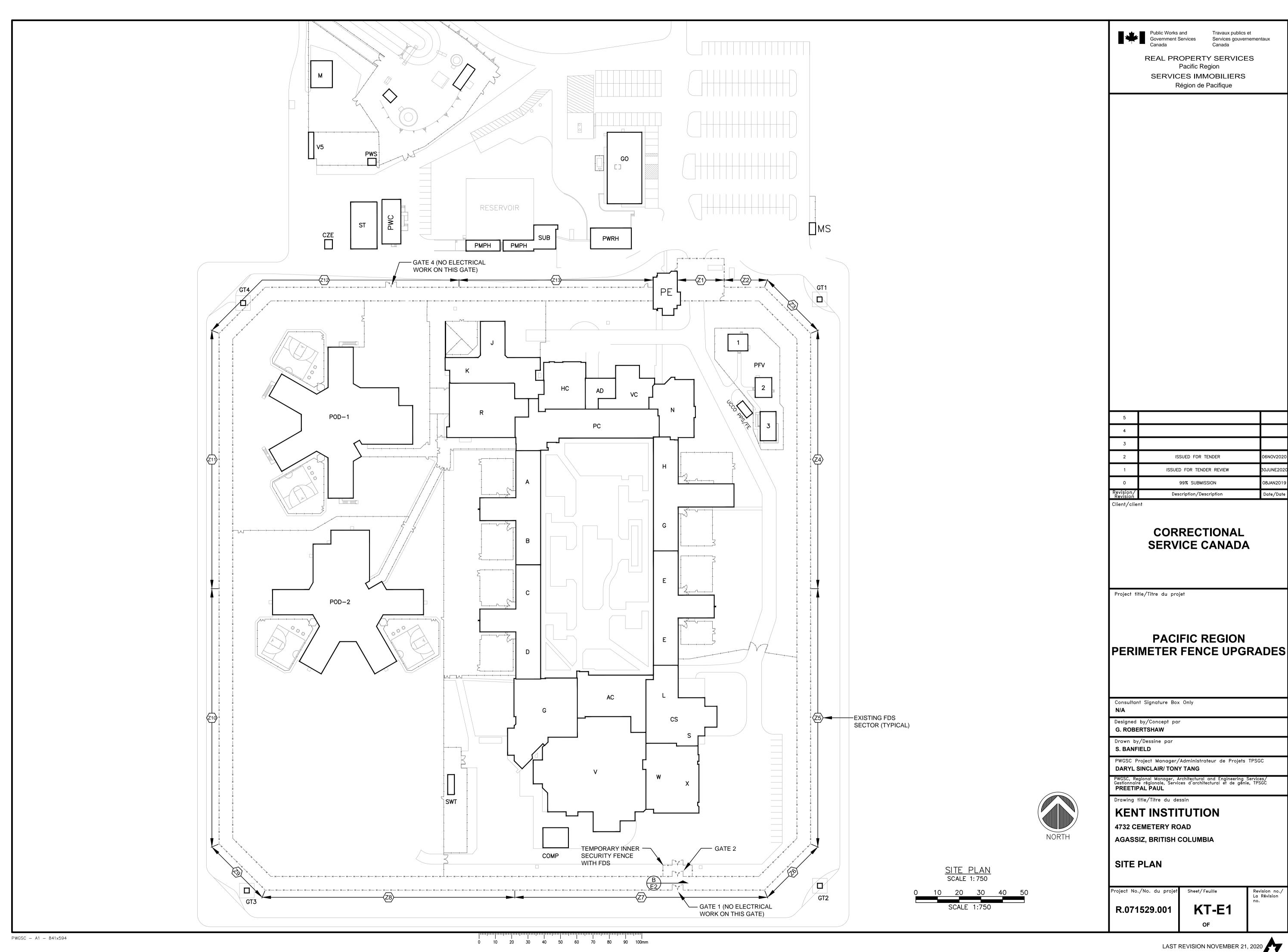
ELECTRICAL NOTES AND DETAILS

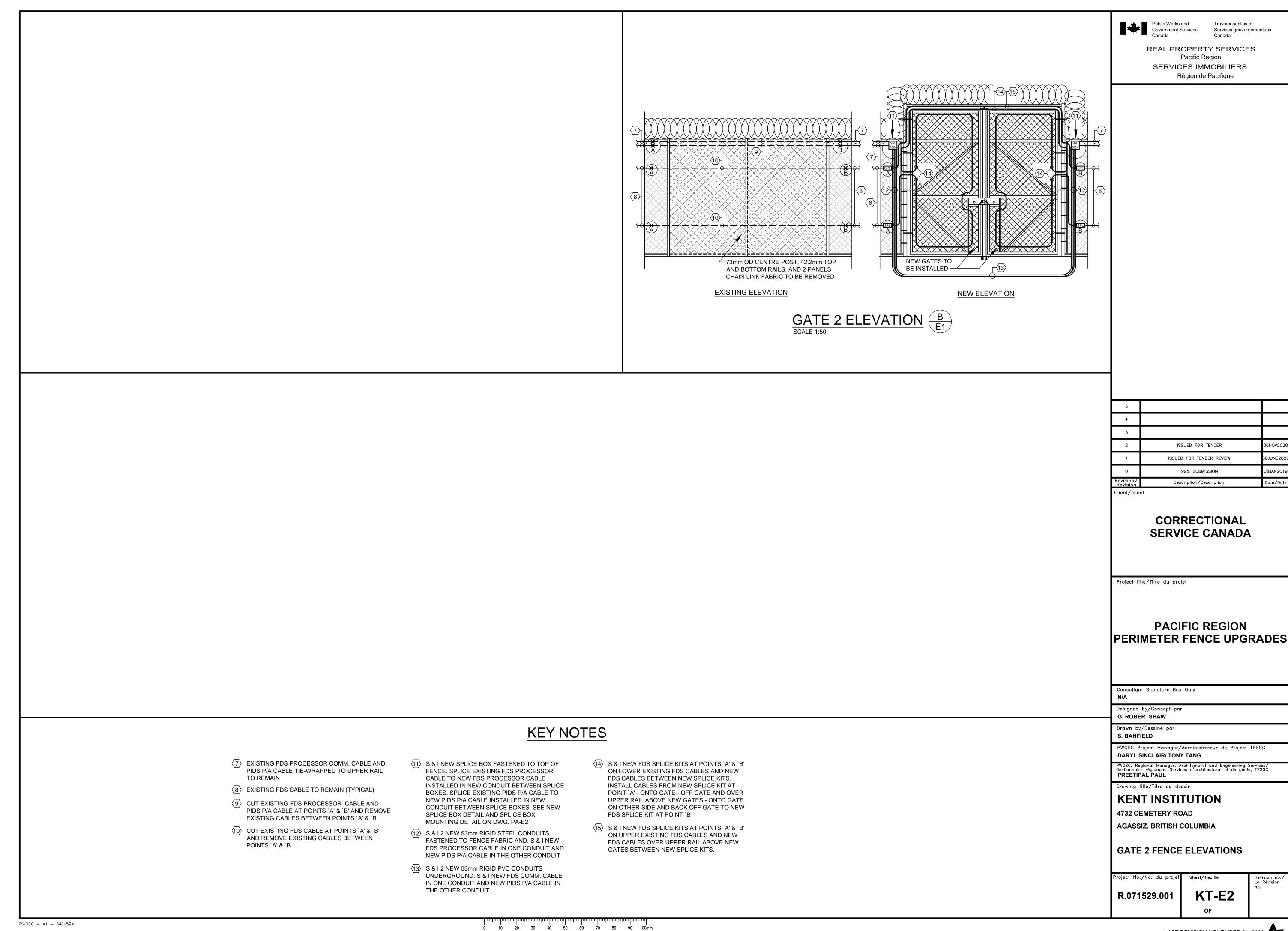
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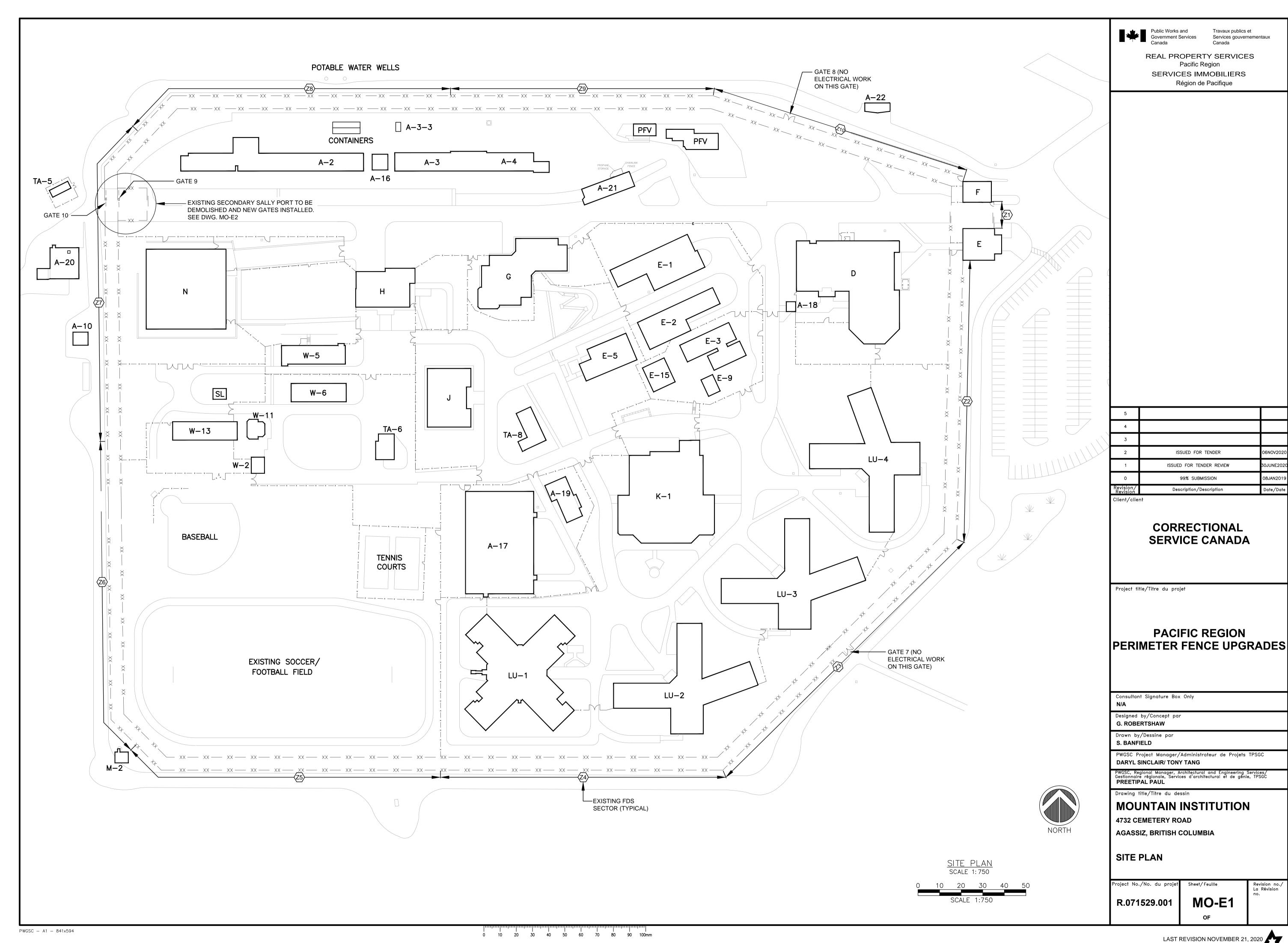
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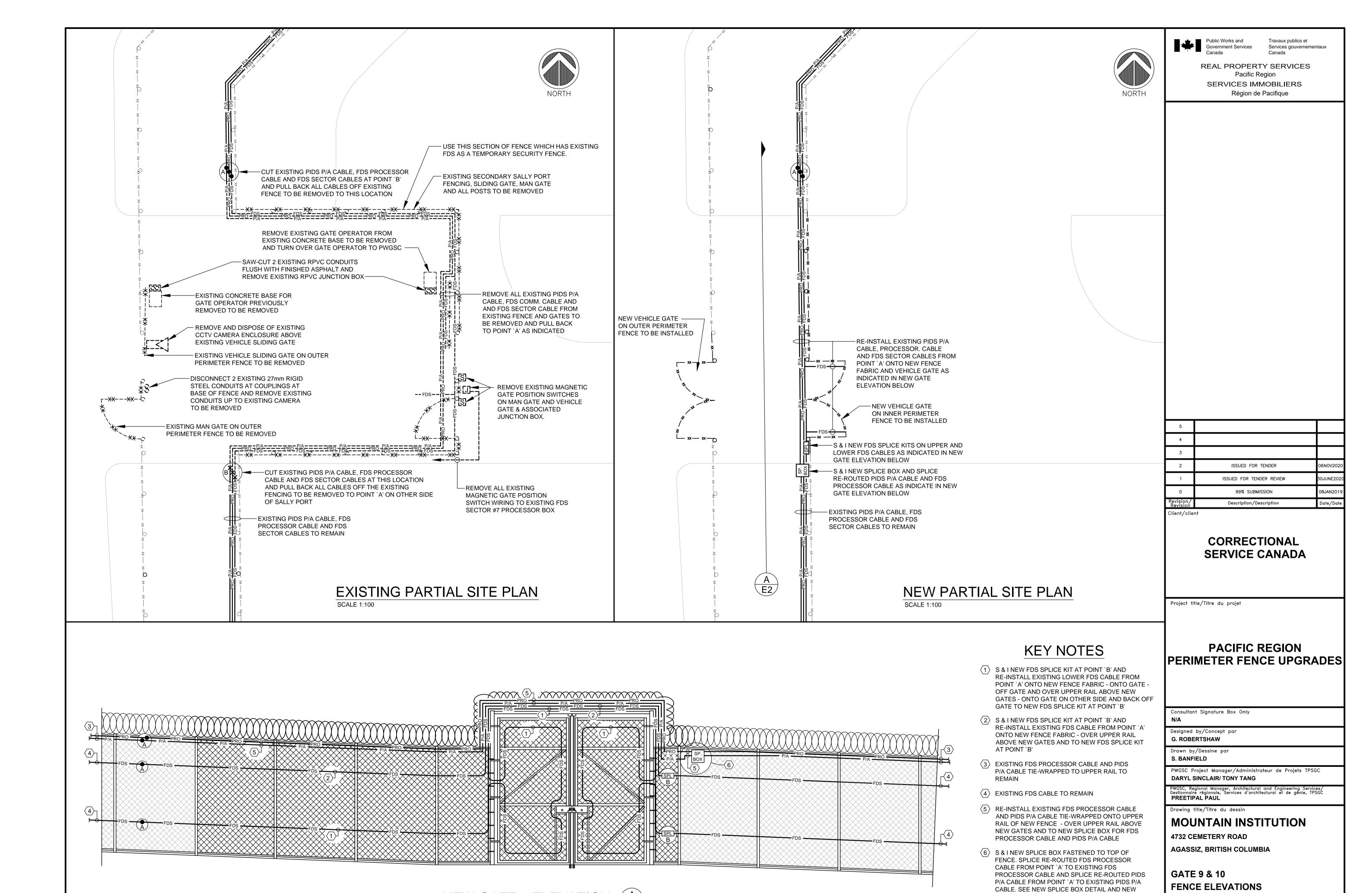
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LAST REVISION NOVEMBER 21, 2020









LAST REVISION NOVEMBER 21, 2020

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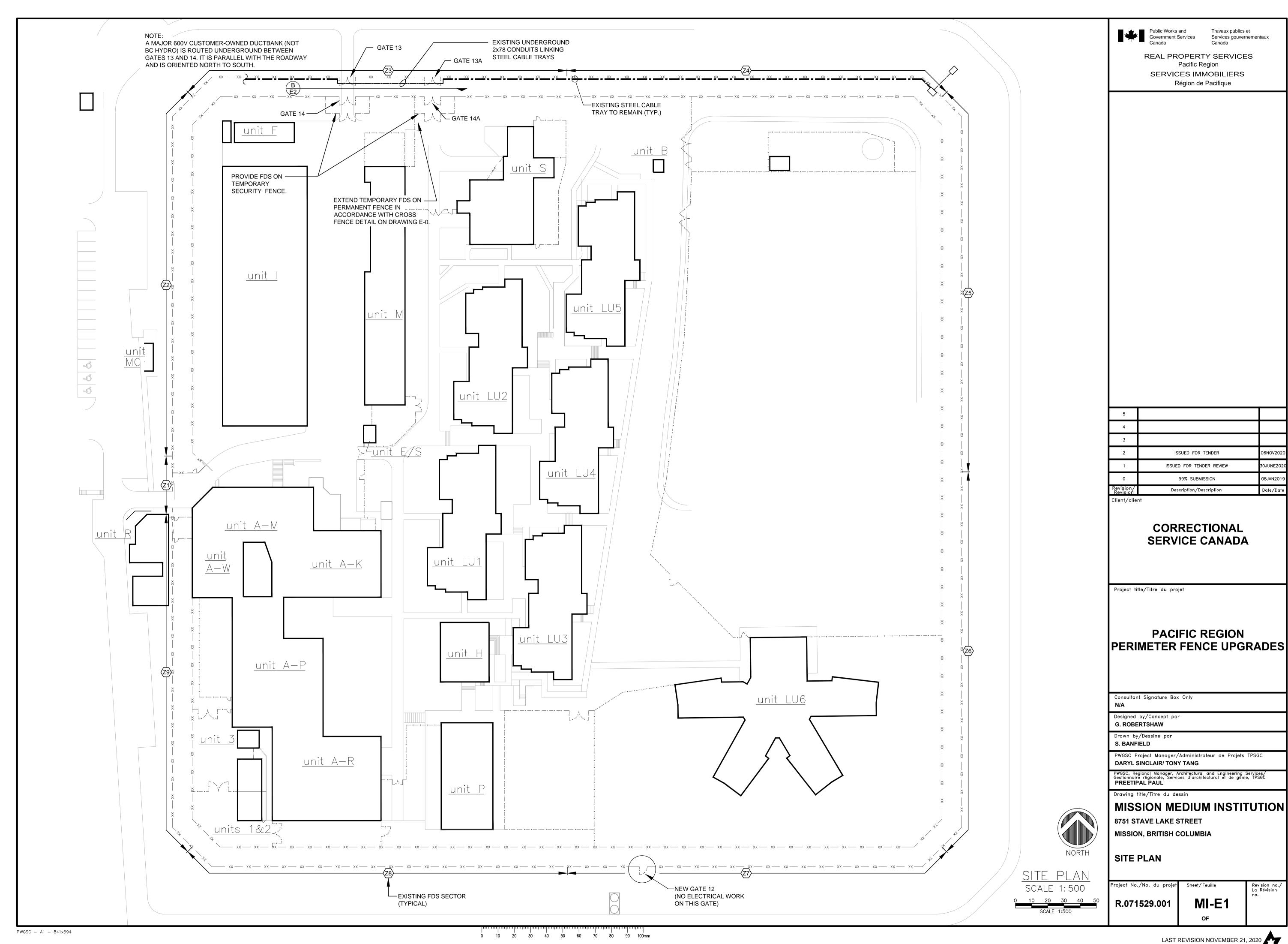
Revision no., La Révision

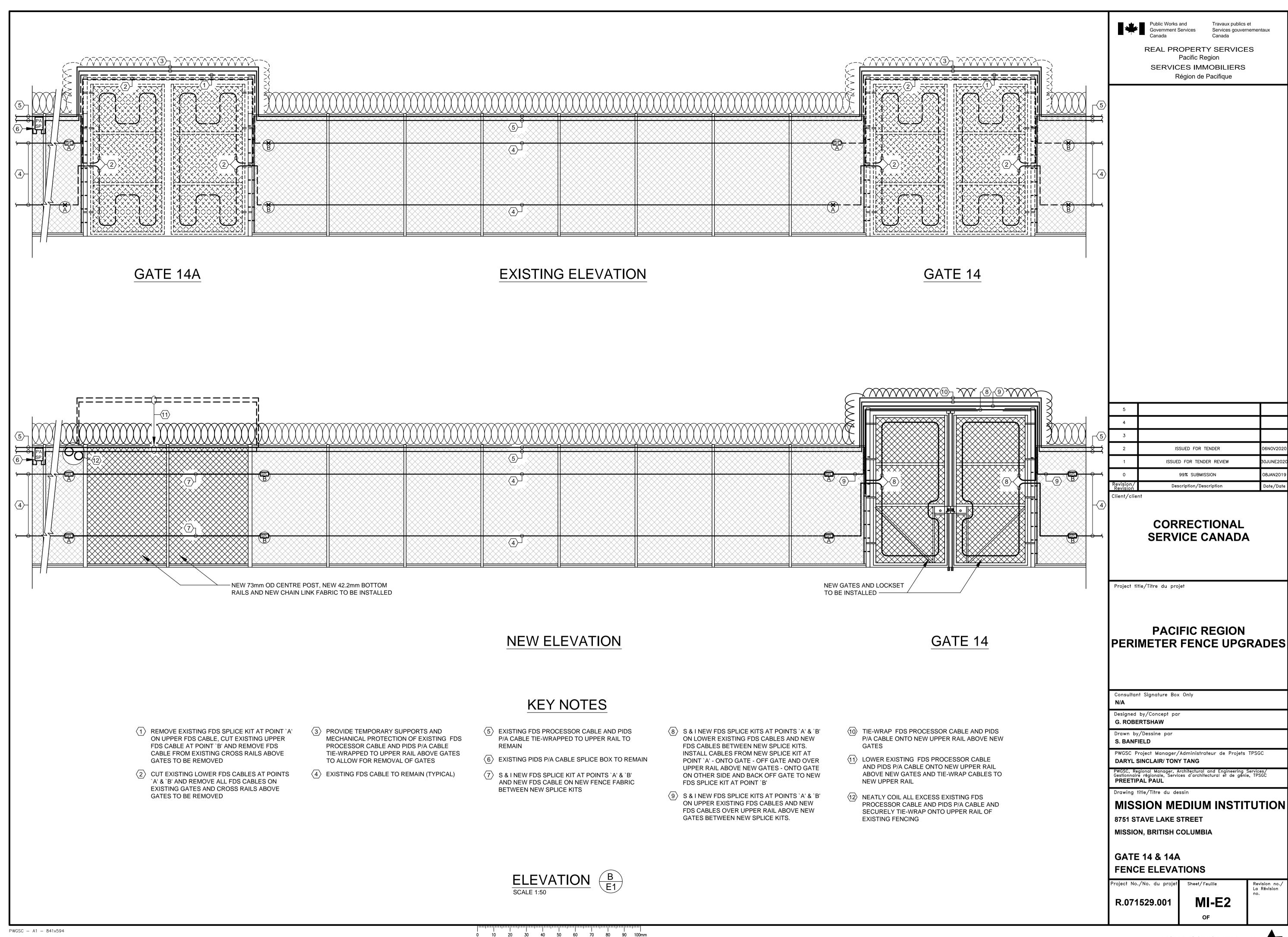
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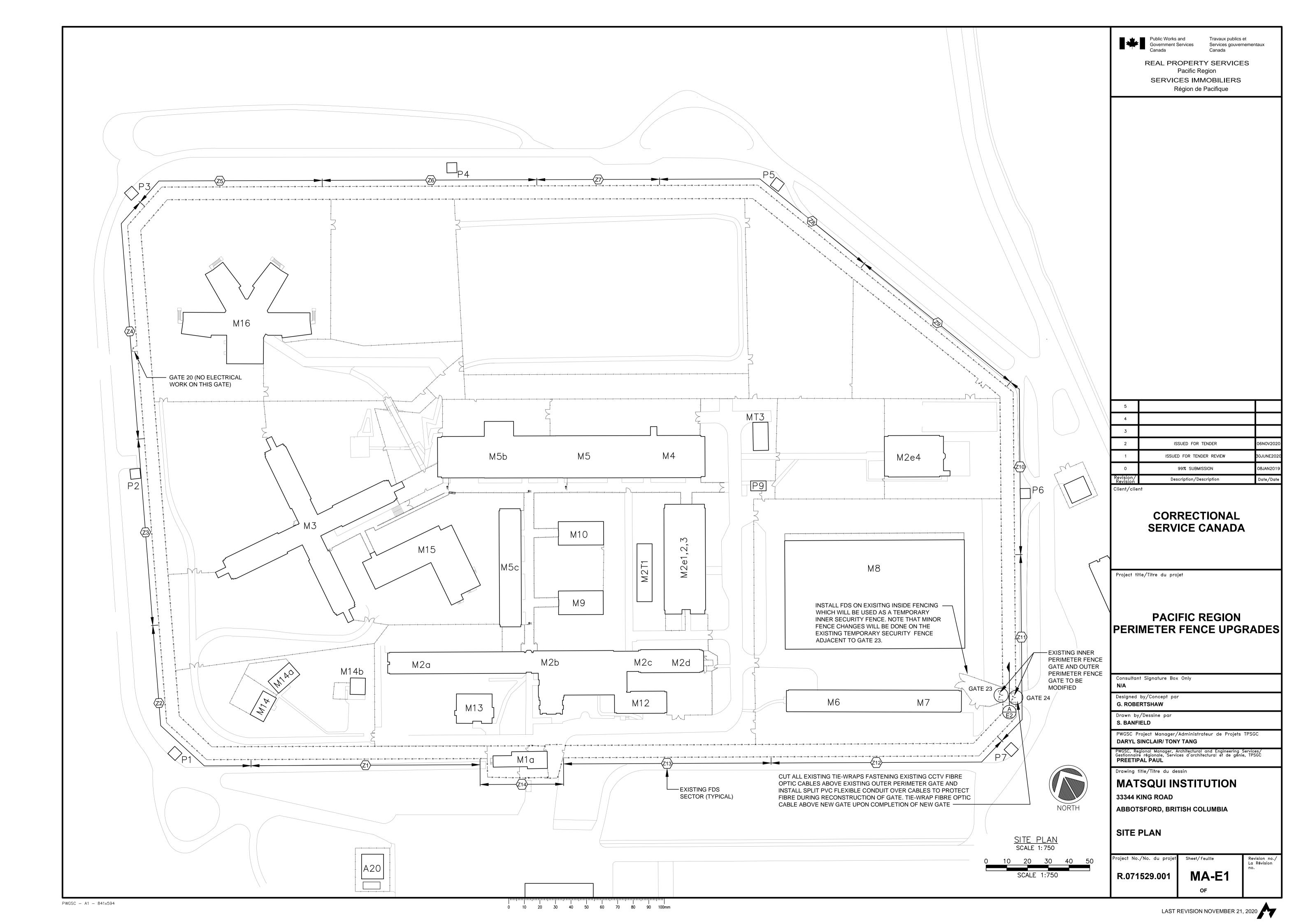
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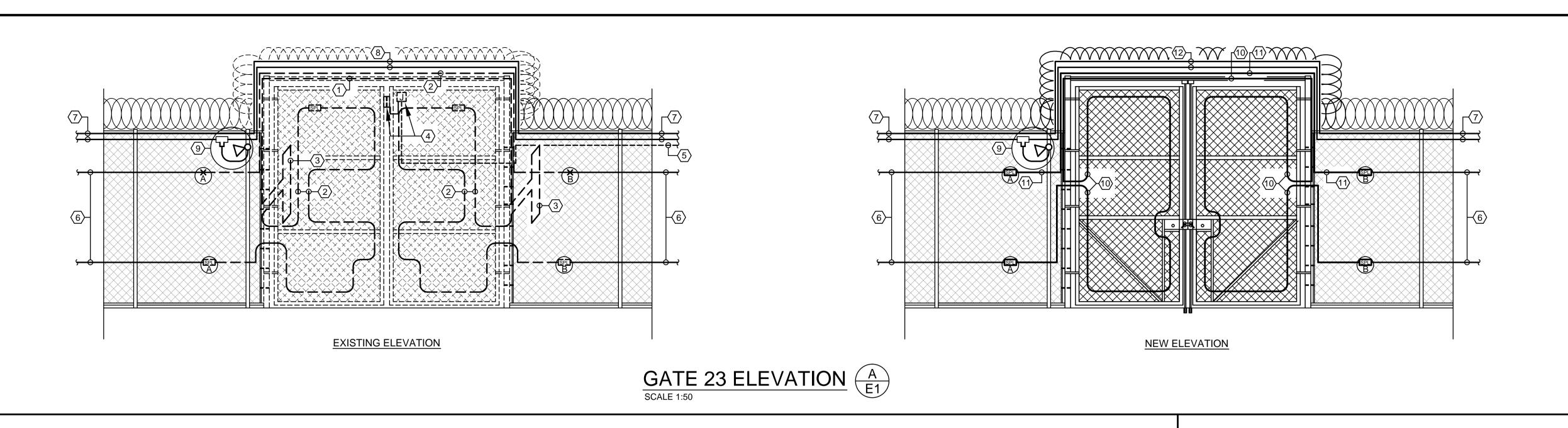
SPLICE BOX MOUNTING DETAIL ON DWG. PA-E2.

NEW GATE 9 ELEVATION (A) E2









KEY NOTES

- 1 CUT EXISTING FDS CABLE AT POINTS `A' & `B' AND REMOVE FDS CABLE FROM EXISTING CROSS RAILS ABOVE GATES TO BE REMOVED
- 2 REMOVE EXISTING FDS SPLICE KITS AT POINTS `A' & `B' AND ALL FDS CABLES ON EXISTING GATES AND CROSS RAILS ABOVE GATES TO BE REMOVED
- (3) REMOVE ALL EXISTING FDS CABLES ON EXISTING INTERIOR FENCING TO BE REMOVED
- (4) REMOVE EXISTING MAGNETIC GATE POSITION SWITCH AND JUNCTION BOX. TURN OVER GATE POSITION SWITCH TO PWGSC
- (5) REMOVE EXISTING MAGNETIC GATE POSITION CABLING TO SECTOR #11 FDS PROCESSOR BOX
- (6) EXISTING FDS CABLE TO REMAIN (TYPICAL)
- (7) EXISTING FDS PROCESSOR CABLE AND PIDS P/A CABLE TIE-WRAPPED TO UPPER RAIL TO REMAIN
- (8) PROVIDE TEMPORARY SUPPORTS AND MECHANICAL PROTECTION OF EXISTING FDS PROCESSOR CABLE AND PIDS P/A CABLE TIE-WRAPPED TO UPPER RAIL ABOVE GATES TO ALLOW FOR REMOVAL OF GATES
- 9 EXISTING PIDS P/A SPEAKER AND SPLICE FITTING TO REMAIN
- S & I NEW FDS SPLICE KITS AT POINTS `A' & `B'
 ON LOWER EXISTING FDS CABLES AND NEW FDS CABLES BETWEEN NEW SPLICE KITS. INSTALL CABLES FROM NEW SPLICE KIT AT POINT `A' - ONTO GATE - OFF GATE AND OVER UPPER RAIL ABOVE NEW GATES - ONTO GATE ON OTHER SIDE AND BACK OFF GATE TO NEW FDS SPLICE KIT AT POINT `B'
- S & I NEW FDS SPLICE KITS AT POINTS `A' & `B' ON UPPER EXISTING FDS CABLES AND NEW FDS CABLES OVER UPPER RAIL ABOVE NEW GATES BETWEEN NEW SPLICE KITS.
- 12 TIE-WRAP FDS PROCESSOR CABLE AND PIDS P/A CABLE ONTO NEW UPPER RAIL ABOVE **GATES**

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Canada

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MATSQUI INSTITUTION

33344 KING ROAD

ABBOTSFORD, BRITISH COLUMBIA

GATE 23 FENCE ELEVATIONS

R.071529.001

Project No./No. du projet

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