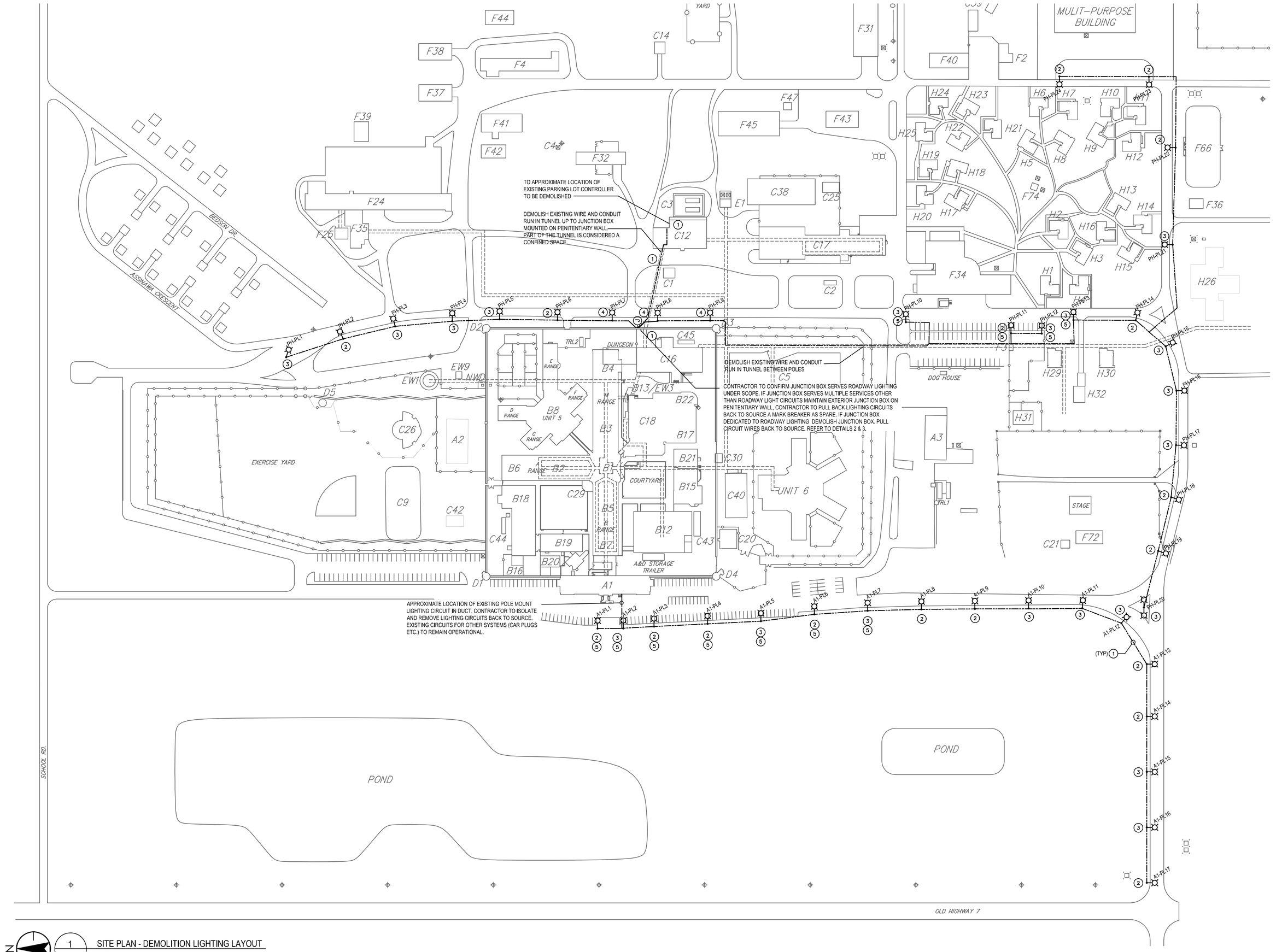

N

1 / E1 SITE PLAN - DEMOLITION LIGHTING LAYOUT
1:1250

2 / E1 JUNCTION BOX ON PENITENTIARY WALL
N.T.S.

3 / E1 JUNCTION BOX ON PENITENTIARY WALL - COVER REMOVED
N.T.S.

GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)

1. CONTRACTOR TO VISIT SITE DURING BID AND VERIFY ALL EXISTING SERVICES ON SITE PRIOR TO SUBMITTING BID, REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE DURING BID PERIOD.
2. CONTRACTOR TO PROVIDE NEW CIRCUIT WIRING THROUGHOUT PROJECT, INCLUDING BUT NOT LIMITED TO, NEW INTEGRAL WIRING WITHIN EACH RE-USED POLE FROM POLE HAND HOLE TO LUMINAIRE. REFER TO DRAWING KEY NOTES.
3. ALL EXISTING DUCTS, WIRING ETC, REQUIRED TO BE REMOVED ARE NOT NECESSARILY SHOWN ON THIS DRAWING. CONTRACTOR SHALL REMOVE ALL UNNECESSARY EXISTING DUCTS, WIRING, ETC, IN PORTIONS OF EXISTING SITE WHICH ARE BEING ALTERED AT NO ADDITIONAL COST.
4. FOR ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, ETC. THAT ARE TO BE DEMOLISHED, REMOVE EQUIPMENT, EXISTING, WIRING AND CONDUIT, BACK TO SOURCE UNLESS OTHERWISE NOTED. PATCH, REPAIR AND PAINT. SOURCE IS CONSIDERED TO BE THE UPSTREAM OVERCURRENT PROTECTION DEVICE OR JUNCTION BOX IF MORE THAN ONE DEVICES ARE CONNECTED TO THE SAME OVERCURRENT PROTECTION DEVICE. IF, DEMOLITION RESULTS IN FEEDER REMOVAL BACK TO OVERCURRENT PROTECTION DEVICE, UPDATE PANEL DIRECTORY AND IDENTIFY OVERCURRENT PROTECTION DEVICE AS SPARE .
5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION AND PAY ALL ASSOCIATED FEES.
6. CO-ORDINATE FULLY WITH DEPARTMENTAL REPRESENTATIVE ON SITE FOR THE SEQUENCE OF DEMOLITION AND CONSTRUCTION. CONTRACTOR TO DEVELOP AND PRESENT A WORK PLAN FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE.
7. CO-ORDINATE SHUT-DOWN DURATION AND TIME FOR ALL ELECTRICAL EQUIPMENT WITH DEPARTMENTAL REPRESENTATIVE ON SITE, A MINIMUM OF 72HRS IN ADVANCE OF PLANNED SHUT-DOWN.
8. COORDINATE LOCATION OF ALL NEW LIGHT POLES WITH DEPARTMENTAL REPRESENTATIVE AND ELECTRICAL CONSULTANT. PROVIDE LIGHT STANDARD BOLT PATTERN, LUMINAIRE AND POLE EPA RATINGS FOR STRUCTURAL REVIEW DURING SHOP DRAWING STAGE.
9. CONTRACTOR TO RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR AND PROVIDE AUTOCAD DRAWINGS INDICATING UNIVERSAL TRANSVERSE MERCATOR (UTM) COORDINATES SHOWING THE FINAL LOCATION FOR EACH LIGHT POLE (NEW AND EXISTING), JUNCTION BOX, IN GROUND PULL BOX AND NEW DUCT ROUTING UNDER SCOPE. IN ADDITION PROVIDE UTM COORDINATES OF THE SOUTH EAST CORNER OF BUILDING A3.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC, OF ALL DUCTS AND SERVICES AND SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING SERVICES ON SITE PRIOR TO DIGGING OR TRENCHING. CONFIRM LOCATION AND ELEVATION OF ALL UTILITY AND SERVICE CROSSING BY HYDRO EXCAVATION OR SOFT DIGGING DURING THE COURSE OF CONSTRUCTION. ANY EXISTING SERVICES DAMAGED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE. AS A MINIMUM ANY DAMAGED UNDERGROUND IS TO BE REPAIRED AS FOLLOWS, ALL OTHER SCENARIOS WILL BE REVIEWED ON A CASE BY CASE BASES;
    - 10.1. FIBER OPTIC LINES ARE TO REPAIRED USING FUSION SPLICE (TESTED TO CONNECTION LOSS LESS THAN 0.6dB) IN A SUITABLE ENCLOSURE. INCLUDE GPS LOCATION OF ANY BURIED ENCLOSURES INSTALLED AS A RESULT OF THIS OCCURRENCE.
    - 10.2. LOW VOLTAGE CABLES TO BE REPLACED IN ITS ENTIRETY BETWEEN FIELD DEVICES. WHERE APPLICABLE BURIED DUCT MAY BE REPAIRED AS NEEDED SUCH THAT CABLES CAN BE PULLED THROUGH.
    - 10.3. MEDIUM VOLTAGE CABLES AT TO BE REPAIRED USING UNDERGROUND SPLICE KITS OF THE APPROPRIATE VOLTAGE RATING. SUITABLE FOR THE APPLICATIONS (INCLUDING SOIL CONDITIONS). CABLE SIZE AND CABLE TYPE. INCLUDE GPS LOCATION OF ANY BURIED ENCLOSURES INSTALLED AS A RESULT OF THIS OCCURRENCE.
11. CONFIRM ALL NEW EQUIPMENT LOCATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO EXCAVATION.
12. ALL PVC CONDUITS TO BE RPVC DUCT. DUCTS IN NEW CONCRETE BASES TO BE RPVC.
13. NOT USED.
14. WHERE INDICATED BY KEY NOTE 3 AND 4, REMOVE EXISTING CONCRETE POLE BASE ENTIRELY. INSTALL A NEW BASE IN PLACE AS PER STRUCTURAL DETAILS, ALIGNMENT OF NEW BASE TO BE CONSISTENT WITH PREVIOUSLY INSTALLED POLES ALONG THE ROAD.
15. CONTRACTOR TO COORDINATE ELECTRICAL WORK WITH STRUCTURAL DESIGN. REFER TO STRUCTURAL SPECIFICATION AND CONSTRUCTION DETAILS DRAWING E4, DETAIL 6.
16. CONTRACTOR STAGING AREA TO BE SIZED APPROPRIATELY FOR STORING OF POLES TO BE RE-USED. TAKE PICTURES OF ALL POLES TO BE RE-USED PRIOR TO BEING STORED. REPORT ANY CONCERNS WITH POLES TO BE RE-USED TO THE DEPARTMENTAL REPRESENTATIVE. STAGING AREA AND LOCATION TO BE APPROVED BY DEPARTMENTAL REPRESENTATIVE.
17. ALL UNDERGROUND CONNECTIONS TO BE OBSERVED PRIOR TO COVERING. NOTIFY DEPARTMENTAL REPRESENTATIVE WHEN COMPLETE. PROVIDE 48 HOUR NOTICE
18. CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
19. CONFIRM ALL EXTERIOR EQUIPMENT LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO EXTERIOR WORK.
20. PROTECT PERMANENT BUILDING FINISHES FROM DAMAGE DURING CONSTRUCTION PERIOD. PROVIDE PLYWOOD OR SIMILAR MATERIAL UNDER EQUIPMENT OR MATERIALS STORED ON FLOORS, AND IN AREAS WHERE CONSTRUCTION MAY DAMAGE FINISHES.
21. DO NOT SCALE THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS OR OTHER SIMILAR ITEMS WHICH MAY BE REQUIRED TO MAKE A COMPLETE OPERATING SYSTEM. ALL WORK MUST BE VERIFIED BY SITE MEASUREMENT AND WITH THE FINAL EQUIPMENT SELECTION. CAREFULLY INVESTIGATE CONDITIONS AFFECTING WORK AND INSTALL WORK IN SUCH MANNER THAT INTERFERENCES BETWEEN PIPES, CONDUITS, DUCTS, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL FEATURES SHALL BE AVOIDED.
22. FOR POWER CONDUIT AND WIRING PENETRATION THROUGH FULL HEIGHT WALL PARTITIONS, PROVIDE OPENINGS TO SUIT CONDUIT AND CABLE PENETRATIONS.

ELECTRICAL DEMOLITION KEY NOTES:

1. EXISTING LIGHTING WIRE & CONDUIT ABOVE GROUND TO BE DEMOLISHED. WIRE TO BE REMOVED AND PULLED BACK TO SOURCE. BELOW GRADE DUCTS WITHIN 1500MM OF POLE BASE ARE TO BE REMOVED. ABANDON REMAINDER OF BURIED DUCT.
2. DISCONNECT, UNINSTALL, AND DISPOSE OF EXISTING LUMINAIRE AND ALL ASSOCIATED WIRING. UNINSTALL EXISTING LIGHT POLE AND STORE FOR RE-USE. RE-USE EXISTING CONCRETE BASE.
3. DISCONNECT, UNINSTALL, AND DISPOSE OF EXISTING LUMINAIRE, WIRING AND LIGHT POLE. DEMOLISH EXISTING CONCRETE BASE UP TO A MINIMUM OF 1000MM BELOW GRADE AND ABANDON REMAINDER OF BASE IN PLACE. SEE SHEET E3 NOTE 12 AND KEY NOTE 5 FOR NEW POLE BASE LOCATION.
4. DISCONNECT, UNINSTALL, AND DISPOSE OF EXISTING LUMINAIRE AND ALL ASSOCIATED WIRING. UNINSTALL EXISTING LIGHT POLE AND STORE FOR RE-USE. DEMOLISH EXISTING CONCRETE BASE UP TO A MINIMUM OF 1000MM BELOW GRADE AND ABANDON REMAINDER OF BASE IN PLACE. SEE SHEET E3 NOTE 12 AND KEY NOTE 6 FOR NEW POLE BASE LOCATION.
5. LUMINAIRES IDENTIFIED BY THIS NOTE ARE THE ONLY FUNCTIONING LUMINAIRES ON SITE (AS OF AUGUST 2019). REFERENCE GENERAL NOTE 6. CONTRACTOR TO TAKE INTO CONSIDERATION FUNCTIONING LUMINAIRES IN THE WRITE-UP OF THE SEQUENCE OF OPERATION. ENSURING FUNCTIONAL LUMINARIES ARE OPERATIONAL UNTIL SWITCH OVER. PROVIDE TEMPORARY LIGHTING AT THIS LOCATIONS IF THIS LUMINARIE(S) ARE PERMANENTLY DE-ENERGIZED DURING CONSTRUCTION.

DRAWING INDEX:

E1: ELECTRICAL SITE PLAN - DEMOLITION
E2: ELECTRICAL A1 ADMINISTRATION BUILDING AND C12 POWERHOUSE PLANS AND DETAILS - DEMOLITION
E3: ELECTRICAL SITE PLAN - NEW LAYOUT, SCHEDULES AND DETAILS
E4: ELECTRICAL - A2 - GO BUILDING PLAN - NEW LAYOUT, POLE BASE DETAILS AND PARTIAL SINGLE LINE DIAGRAM

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

SYMBOL LEGEND:

- POLE MOUNTED LUMINAIRE (SINGLE HEAD)
- POLE MOUNTED LUMINAIRE (DOUBLE HEAD)
- WALL MOUNTED JUNCTION BOX
- WALL MOUNTED PHOTO CELL
- (Px) IN-GROUND PULL BOX, X - DENOTES PULL BOX REFERENCE NUMBER

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

PROVINCE OF MANITOBA
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Member
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REGISTERED PROFESSIONAL ENGINEER

DO NOT SCALE DRAWINGS

Revision/ Revision	Description/Description	Date/Date
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3	ISSUED FOR 99% REVIEW	19/07/22
2	ISSUED FOR 90% REVIEW	19/07/16
1	REVISED AND REISSUED FOR 50% REVIEW	19/06/07
0	ISSUED FOR 50% REVIEW	19/03/26

Client/client

CORRECTION SERVICE CANADA
STONY MOUNTAIN INSTITUTION

STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MANITOBA

Project title/Titre du projet
CORRECTION SERVICE CANADA
STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MANITOBA

SITE, PARKING LOT LIGHTING ELECTRICAL SYSTEM UPGRADE

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Client/client

Drawing title/Titre du dessin
ELECTRICAL SITE PLAN
- DEMOLITION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.100856.001	E1 OF 4	3

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