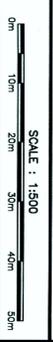


ELECTRICAL SITE PLAN



KEYED NOTES:

1. RUN A NEW 35mm RIGID STEEL CONDUIT FROM THE CCTV/UPS BOX AT TOWER "D-3" TO CAMERA "C005". RUN A CAT6 CABLE (COLOR GREEN) AND A LOW VOLTAGE POWER CABLE FROM THE CONNECTION BOX AT TOWER "D-3" TO CAMERA "C005". LEAVE 1m OF SLACK CABLE UNLESS ADVISED OTHERWISE.
2. RUN NEW 50/125 MICRON 12 STRAND FT4 RATED GREEN FIBER CABLE IN A 35mm RIGID STEEL CONDUIT FROM TOWER "D-2" TO THE CCTV BOX AT TOWER "D-3". LEAVE 1m OF SLACK CABLE UNLESS ADVISED OTHERWISE.
3. REMOVE TWO EXISTING PVC CONDUITS AND CABLES.
4. REMOVE TWO REDUNDANT CONNECTION BOXES INSIDE OF TOWER "D-2". REFER TO THE ARCHITECTURAL DRAWINGS FOR THE INHILL AND PITCHING OF THE WALL.
5. REMOVE TECK FEEDERS FROM THE DOORWAY INTO BUILDING "A-1" TO CAMERA "C002". REPLACE WITH CONDUIT AND WIRE. CONDUIT TO BE RIGID STEEL (MATCH EXISTING SIZE). MATCH EXISTING CABLES. RUN HORIZONTAL CONDUIT AT TOP OF THE WALL BELOW WALL CAP CONDUIT TO GO FROM DOORWAY INTO BUILDING "A-1". STRAP CONDUIT TO WALL. INDENTERS SHALL THEN RUN ACROSS THE TOP OF THE WALL AND THEN STRAIGHT DOWN THE WALL TO THE CAMERA WHERE REQUIRED.
6. RUN TWO NEW OM3 50/125 MICRON 12 STRAND FT4 RATED GREEN FIBER CABLES IN A 35mm RIGID STEEL CONDUITS FROM THE CCTV CONNECTION BOX IN TOWER "D-5" AND "D-3" TO THE CCTV CONNECTION BOX AT CONTROL POST IN BUILDING "B-5". LEAVE 1m OF SLACK CABLE UNLESS ADVISED OTHERWISE.
7. REMOVE EXISTING JUNCTION BOX AND INSTALL NEW BOX TO MATCH EXISTING. RECONNECT CONDUITS TO NEW BOX USING PROPER BOX FITTINGS.
8. IDS TOWERS MAY BE RELOCATED. DISTANCE OF RELOCATION WILL BE LIMITED BY AVAILABLE SLACK CABLE. 50/125 MICRON 12 STRAND FT4 RATED GREEN FIBER CABLES IN A 35mm RIGID STEEL CONDUIT FROM THE CCTV CONNECTION BOX AT TOWER "D-1". LEAVE 1m SLACK CABLE UNLESS ADVISED OTHERWISE.
9. REMOVE EXISTING CONDUIT AND CABLES FOR THE SALLY PORT CONTROL SYSTEM FROM CONTROL POST IN TOWER "D-1" TO CONTROL POST IN KEY ROOM IN BUILDING "B-5". REMOVE EXISTING CONDUIT FROM CONTROL POST IN TOWER "D-1" TO CONTROL POST IN KEY ROOM IN BUILDING "B-5". CONTRACTOR SHALL REPLACE THE REMOVED FEEDERS WITH NEW AS REQUIRED (TO MATCH EXISTING). CONTRACTOR SHALL ALLOW IN HIS PRICE FOR A MAXIMUM OF 25 NEW #12AWG RYGO FEEDERS WITH TWO #14 GROUND CONDUCTORS. COORDINATE ON SITE FOR EXACT FEEDER REQUIREMENTS.
10. REMOVE THE EXISTING FIBER CABLE FROM THE CCTV CONNECTION BOX IN BUILDING B5 TO THE CCTV CONNECTION BOX IN TOWER "D-4". INSTALL A NEW OM3 50/125 MICRON 12 STRAND FT4 RATED GREEN FIBER CABLE FROM THE CCTV CONNECTION BOX IN TOWER "D-1" TO THE CCTV CONNECTION BOX IN TOWER "D-4". LEAVE 1m OF SLACK CABLE UNLESS ADVISED OTHERWISE.

GENERAL ELECTRICAL NOTES:

- ALL RIGID STEEL CONDUIT AND FITTINGS ARE TO BE COMPLETE WITH BRITANNIUS COATING
- ALL FASTENERS, CONNECTORS, WASHERS SHALL BE OF STAINLESS STEEL.
- REMOVE AND RE-INSTALL CAMERAS TO PERMIT COMPLETION OF THE WORK. ALL SYSTEMS TO BE LEFT OPERABLE AT THE END OF EACH DAY. SYSTEM SHALL BE TESTED AT THE END OF EACH DAY TO ENSURE PROPER OPERATION.
- ALL WORK IS TO BE COORDINATED WITH THE DEPARTMENTAL REPRESENTATIVE

THE FOLLOWING FWSSC/CSC DOCUMENTS ARE TO BE CONSIDERED PART OF THE CONTRACT REQUIREMENTS:

- A) DOCUMENT ES-SOW-030299E - TEST AND EVALUATION GUIDELINES
- B) DOCUMENT ES-SOW-030299E - SPECIFICATIONS FOR FIBER OPTIC AND POWER
- C) DOCUMENT ES-SOW-011081E - STRUCTURED CABLE SYSTEMS
- D) DOCUMENT ES-SOW-010183E - PROCUREMENT AND INSTALLATION
- E) DOCUMENT ES-SOW-010286E - QUALITY CONTROL
- F) DOCUMENT ES-SOW-010286E - QUALITY CONTROL

- COORDINATE AND REFER TO GENERAL NOTES ON DRAWING A-100
- ANY ELECTRICAL CONDUIT, BOXES, ETC THAT ARE TO REMAIN SHALL BE REPROCESSED TO THE WALL AS REQUIRED. ALL CONDUIT AND BOXES, ETC ARE TO BE CLEANED AND RE-GALVANIZED.
- FDS (FENCE DETECTION SYSTEMS) AND PA SYSTEMS LOCATED ON THE WALL ARE NOT SHOWN ON DRAWING E-1. REFER TO A100 FOR SPECIFICATIONS. ENSURE COORDINATION IS CARRIED OUT BETWEEN THE TWO DRAWINGS.
- ALL NEW CONDUIT AND FIBER MUST BE INSTALLED AND TESTED PRIOR TO REMOVAL OF THE EXISTING CONDUIT AND WIRING.
- ALL POSTED SIGNS AND LABELS SHALL BE BILINGUAL (ENGLISH / FRENCH).

LEGEND:

⊙ INDICATES A PHOTO OF THE AREA, SEE DWG E-3

KEYED NOTES AND GENERAL ELECTRICAL NOTES

revision	1	ISSUED FOR TENDER	18/08/2017
project	WEST PERIMETER WALL REPAIRS		
project name	DORCHESTER PENITENTIARY MEDIUM SECTOR		
client	DORCHESTER, NB		



designed AEC - MICHAEL LEBLANC
 drawn MDEGRACE / AEC
 date AUGUST 2017
 approved
 checked
 submitted
 project number R.061898.001
 no. de projet

drawing title
 ELECTRONIC SECURITY SYSTEM SITE PLAN AND NOTES
 drawing no.
 E-1
 no. de dessin