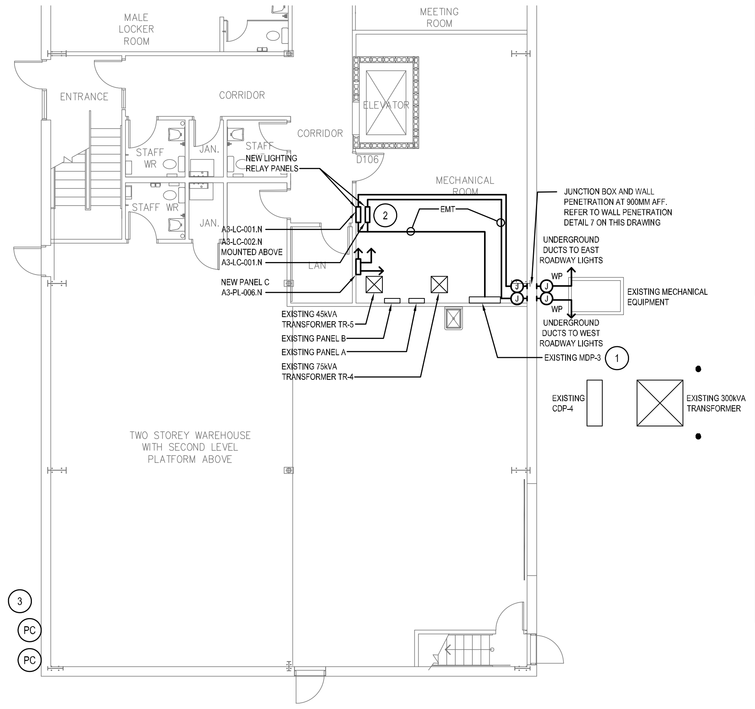


N

1 / E4 A3 - G.O. BUILDING GROUND FLOOR - MECHANICAL ROOM LARGE SCALE PLAN

1:100

LOW VOLTAGE LIGHTING RELAY PANEL
A3_LC-001.N

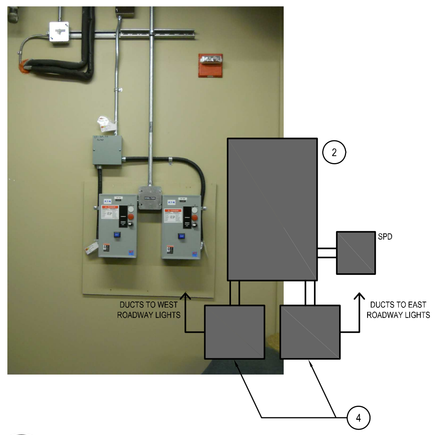
Location : BLD A3 MECH RM
Lighting Voltage: 347V

RELAY	DESCRIPTION	PANEL/CIRCUIT	NOTES
R1	EAST ROADWAY LIGHT POLE	A3-PL-006.N/1	
R2	EAST ROADWAY LIGHT POLE	A3-PL-006.N/2	
R3	EAST ROADWAY LIGHT POLE	A3-PL-006.N/3	
R4	EAST ROADWAY LIGHT POLE	A3-PL-006.N/4	
R5	EAST ROADWAY LIGHT POLE	A3-PL-006.N/5	
R6	EAST ROADWAY LIGHT POLE	A3-PL-006.N/6	
R7	SPARE		
R8	SPARE		

LOW VOLTAGE LIGHTING RELAY PANEL
A3_LC-002.N

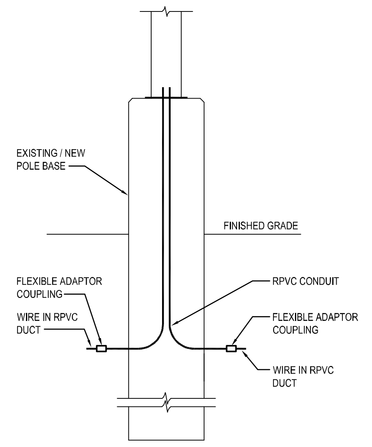
Location : BLD A3 MECH RM
Lighting Voltage: 347V

RELAY	DESCRIPTION	PANEL/CIRCUIT	NOTES
R1	WEST ROADWAY LIGHT POLE	A3-PL-006.N/7	
R2	WEST ROADWAY LIGHT POLE	A3-PL-006.N/8	
R3	WEST ROADWAY LIGHT POLE	A3-PL-006.N/9	
R4	WEST ROADWAY LIGHT POLE	A3-PL-006.N/10	
R5	WEST ROADWAY LIGHT POLE	A3-PL-006.N/11	
R6	WEST ROADWAY LIGHT POLE	A3-PL-006.N/12	
R7	SPARE		
R8	SPARE		



10 / E4 A3 - LIGHTING PANEL AND CONTROLLER ELEVATION

N.T.S.



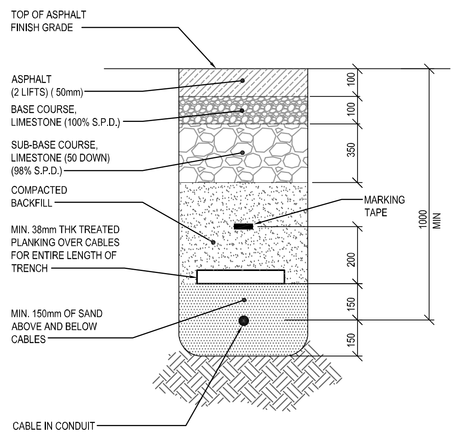
11 / E4 TYPICAL NEW POLE BASE DUCT ADAPTOR DETAIL

N.T.S.

12 / E4 NOT USED

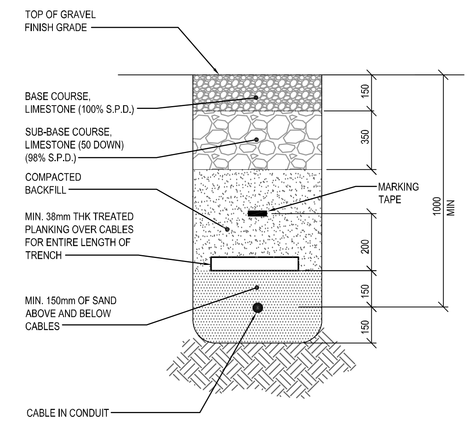
N.T.S.

NOTES:



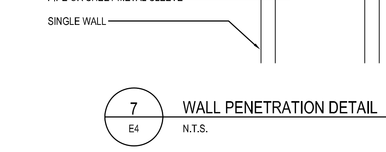
13 / E4 TRENCHING DETAIL WITH RESTORATION OF ASPHALT SURFACES

N.T.S.

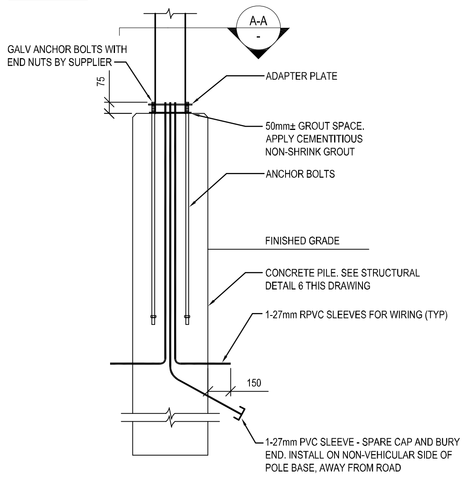


14 / E4 TRENCHING DETAIL WITH RESTORATION OF GRAVEL SURFACES

N.T.S.

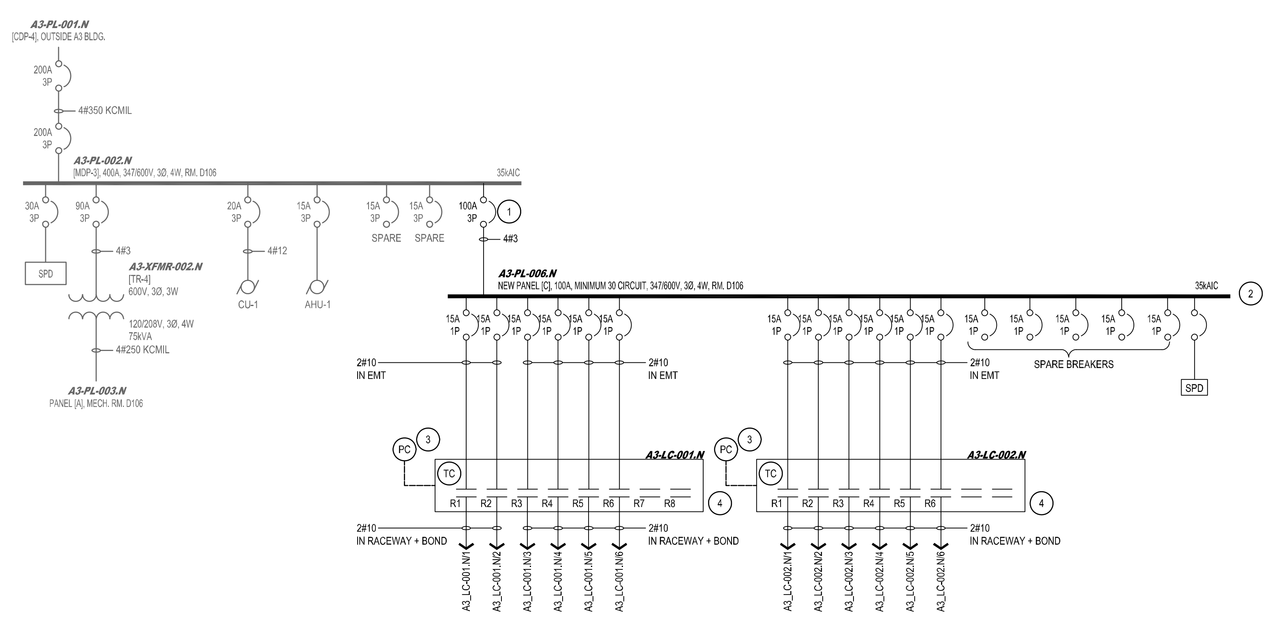


SECTION A-A



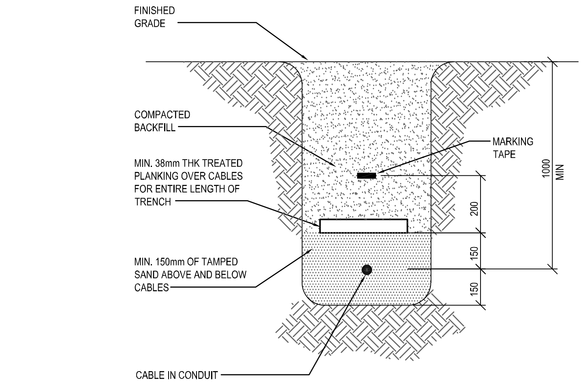
4 / E4 TYPICAL LIGHT STANDARD DETAIL

N.T.S.



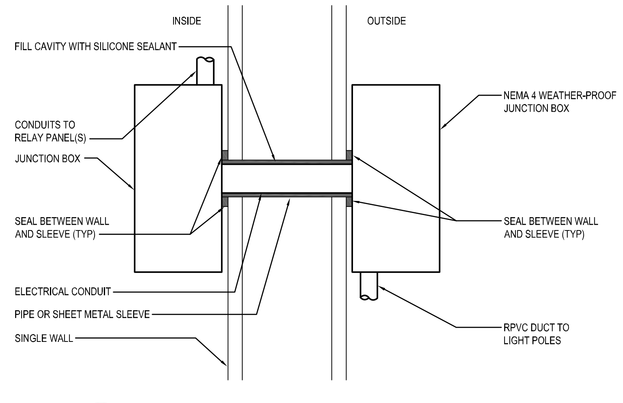
5 / E4 BUILDING A3 - PARTIAL SINGLE LINE DIAGRAM

N.T.S.



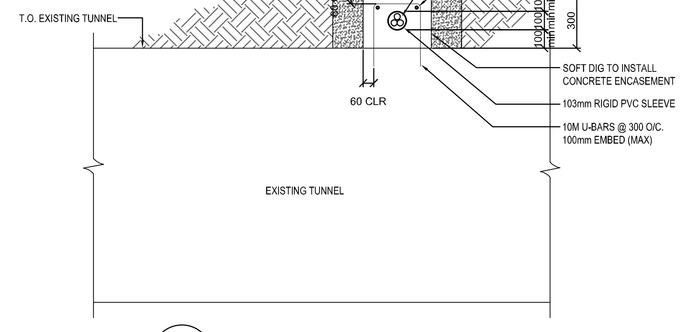
6 / E4 TYPICAL LIGHT STANDARD STRUCTURAL BASE DETAIL

N.T.S.



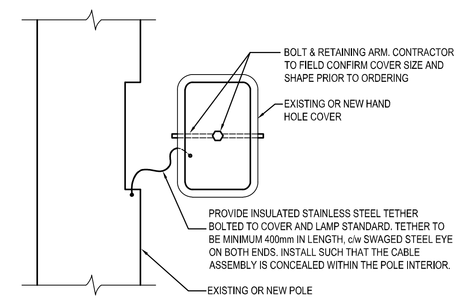
7 / E4 WALL PENETRATION DETAIL

N.T.S.



8 / E4 TYPICAL TUNNEL CROSSING CURB DETAIL

N.T.S.



9 / E4 LIGHT POLE HAND HOLE COVER DETAIL

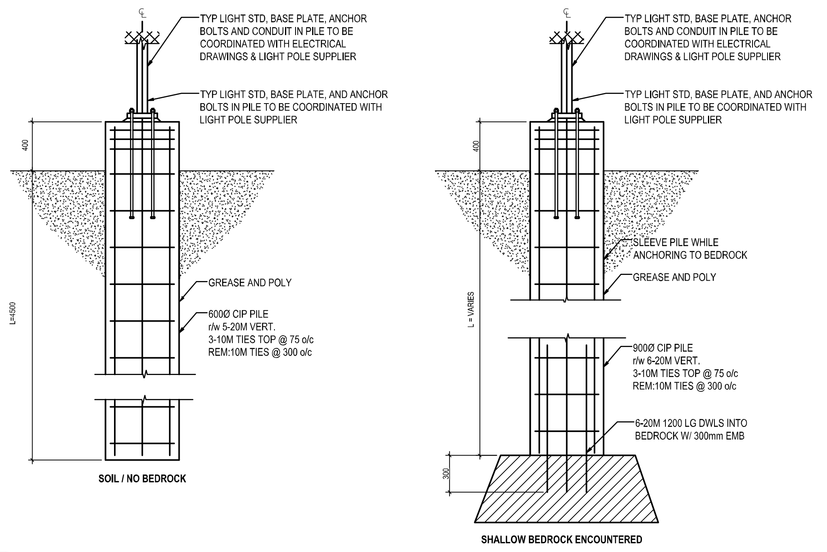
N.T.S.

2 / E4 DETAIL NOT USED

N.T.S.

3 / E4 TYPICAL TRENCH DETAIL (NON-VEHICULAR AREA)

N.T.S.



6 / E4 TYPICAL LIGHT STANDARD STRUCTURAL BASE DETAIL

N.T.S.

0 10 20 30 40 50 60 70 80 90 100mm

AO – PWGSC – AO – 1189XB41

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

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

GENERAL NOTES:

1. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND PROPOSE A CONSTRUCTION WORK SEQUENCE SCHEDULE PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION.

KEY NOTES:

1. PROVIDE NEW 100A-3P (BREAKER MANUFACTURE EATON FDC SERIES, 35kAIC) IN A3-PL-002.N (MDP-3). INSTALL FEEDER IN CONDUIT BETWEEN NEW BREAKER AND NEW LIGHTING PANEL BOARD A3-PL-006.N.
2. PROVIDE 15A-1P CIRCUIT BREAKERS IN A3-PL-006.N AND CIRCUITS BETWEEN NEW LIGHTING PANEL BOARD A3-PL-006.N AND NEW LOW VOLTAGE LIGHTING CONTROL CABINET. PROVIDE SPARE BREAKERS AND SURGE PROTECTION DEVICE (SPD) DEVICE AS SHOWN. SPD DEVICE BREAKER SIZE SHALL BE AS PER SPD MANUFACTURE RECOMMENDATIONS. PROVIDE MOUNTING BRACKETS FOR PANEL AND CONDUIT, AS REQUIRED.
3. PROVIDE PHOTOCELL, ONE PER CONTROLLER. MOUNT AND WIRE PHOTOCELL ON BUILDING EXTERIOR. MOUNT PHOTOCELL AT 3000mm AFF.
4. RELAY BASED EXTERIOR LIGHTING CONTROL CABINET COMPLETE WITH ASTRONOMICAL TIME CLOCK AND USER INTERFACE TO PROGRAM, CHECK STATUS AND UPDATE AS NECESSARY. PROVIDE A MINIMUM 8 RELAY PANEL, AS SHOWN. MAXIMUM DIMENSIONS OF RELAY CABINET PERMITTED ARE 390mm (H) X 510mm (W) X 150mm (D). PROVIDE MOUNTING BRACKETS FOR MOUNTING FOR CABINET AND CONDUIT, AS REQUIRED.

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

PROVINCE OF MANITOBA
Engineer
S. SHARMA
Member
40584
REGISTERED PROFESSIONAL ENGINEER

DO NOT SCALE DRAWINGS

Revision/ Révision	Description/Description	Date/Date
4	ISSUED FOR TENDER	19/08/16
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

Approved by/Approuvé par
L. KORENBAUM

Designed by/Concept par
E. SAPACZ / S. SHARMA

Drawn by/Dessiné par
H. P. C. CHAN

PWGSC Project Manager/Administrateur de Projets TPSGC
M. STEINBORN

PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client

Drawing title/Titre du dessin

ELECTRICAL - A2 - GO BUILDING PLAN, POLE BASE DETAILS AND PARTIAL SINGLE LINE DIAGRAM

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.100856.001	E4 OF 4	3

115419004_E2