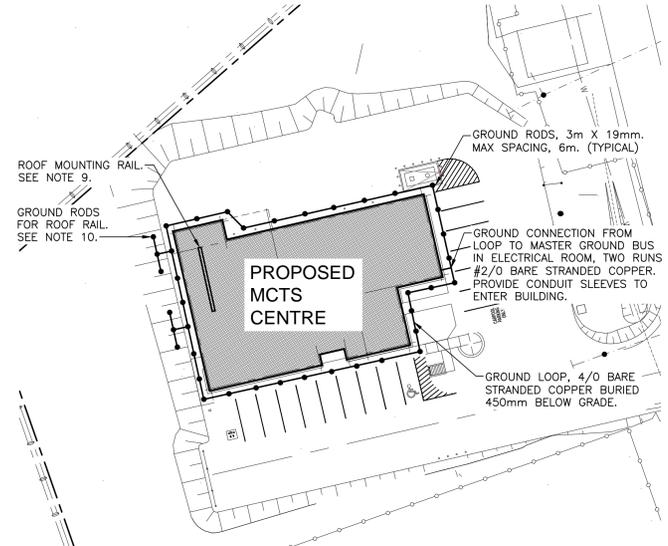
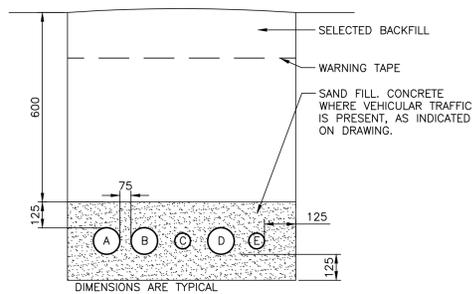


**ELECTRICAL SITE PLAN**  
SCALE : 1:200  
1  
E2



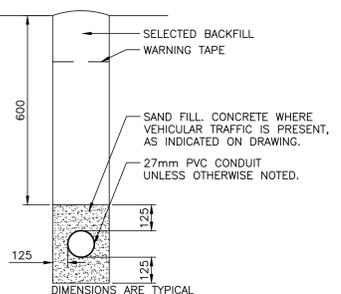
**EXTERIOR GROUNDING PLAN**  
SCALE : 1:400  
2  
E2

- NOTES:
- INCOMING SERVICES:  
103mm CONDUIT - POWER  
103mm CONDUIT - SPARE  
103mm CONDUIT - CCS  
53mm CONDUIT - VOICE/DATA  
53mm CONDUIT - SPARE
  - ALL TRENCHES SHALL BE BACKFILLED AND TAMPED IN 300MM LAYERS, EXCEPT AT ROAD CROSSINGS WHERE THE BACKFILL SHALL BE THE SAME MATERIAL AS THE ROADBED AND TAMPED IN 150MM LAYERS. EXCESS FILL SHALL BE PLACED ON TOP TO ALLOW FOR SETTLING. MAX. ROCK SIZE PERMITTED IN THE SELECT BACKFILL MUST BE LESS THAN 50MM.
  - COPPER FISH WIRE MIN. #12 MUST BE INSTALLED IN ALL DUCTS.
  - ALL PVC FITTINGS, COUPLINGS & ADAPTERS ARE TO BE SOLVENT WELD.
  - INSTALL 15MM DIAMETER REBAR ALONG 4 CORNERS OF CONCRETE DUCT BANK
  - INSTALL COMMUNICATIONS AND CABLE TV SERVICE CONDUITS IN ACCORDANCE WITH EACH UTILITIES STANDARDS. INCLUDE ALL ASSOCIATED COSTS IN CONTRACT PRICE.
  - EXTERIOR LIGHTING: THE LIGHT FIXTURE LAYOUT ON THE DRAWING IS DESIGNED TO ACHIEVE AN AVERAGE ILLUMINATION OF 2.8 fc USING A COMBINATION OF POLE LIGHT AND WALL FIXTURES. THE CONTRACTOR MUST PREPARE DESIGN CALCULATIONS TO OBTAIN A SIMILAR DISTRIBUTION TO THE LAYOUT INCLUDED IN THE SPECIFICATION APPENDIX J. FIXTURE QUANTITY AND LOCATION MAY CHANGE IF NECESSARY TO ACHIEVE THE DESIRED RESULTS, DEPENDING ON THE SELECTED FIXTURES. THE CONTRACTOR MUST INCLUDE CONDUIT AND WIRING AS REQUIRED TO SUIT ANY CHANGES TO THE LAYOUTS.
  - PROVISIONS FOR FUTURE ALTERNATE ENERGY SOURCE. 150mm X 150mm PRESSURE TREATED WOOD POST 1.5M LONG WITH 500mm BURIED. PROVIDE TWO 53mm PVC CONDUITS TERMINATE IN A 250mm SQUARE FIBERGLASS WEATHERPROOF BOX ATTACHED TO POST WITH STAINLESS STEEL FASTENERS. IDENTIFY BOX WITH ENGRAVED NAMEPLATE "ALTERNATE ENERGY". CONDUITS TO RUN UNDERGROUND AND TURN UP IN STORAGE ROOM 105 AND EXTEND TO GENERATOR ROOM.
  - ROOF RAIL STRUCTURE FOR MOUNTING OWNER SUPPLIED EQUIPMENT AND LIGHTNING PROTECTION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATION AND DETAILS. SEE DRAWING E9.
  - GROUND ROD FOR LIGHTNING PROTECTION. LOCATION TO BE DETERMINED ON SITE. REFER TO DRAWING E9 FOR DETAILS.

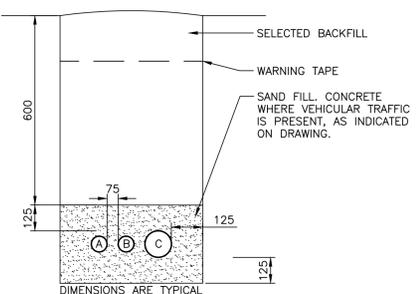


- A. 103mm. POWER.
- B. 103mm. CCS CIRCUITS.
- C. 53mm. VOICE/DATA.
- D. 103mm. SPARE.
- E. 53mm. SPARE.

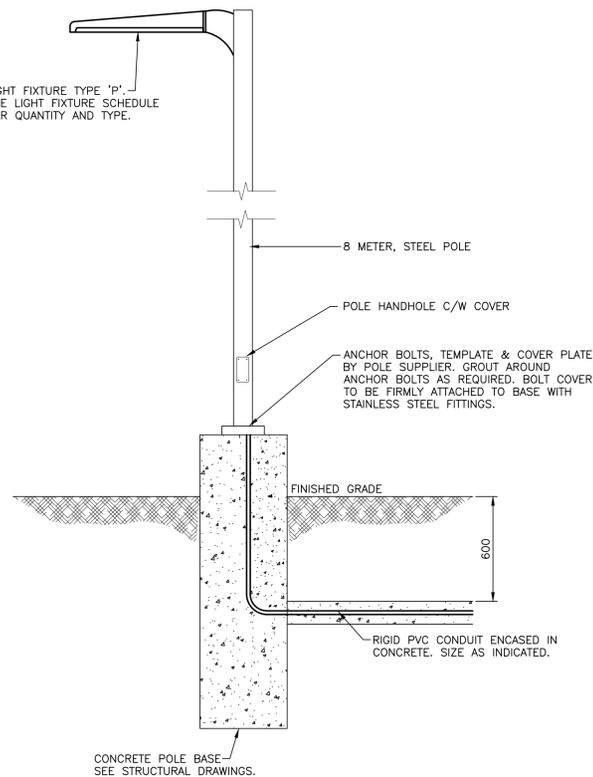
**TRENCH SECTION A**  
SCALE : NTS  
A  
E2



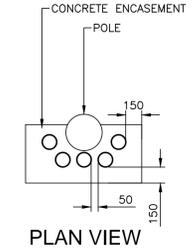
**TRENCH SECTION B**  
SCALE : NTS  
B  
E2



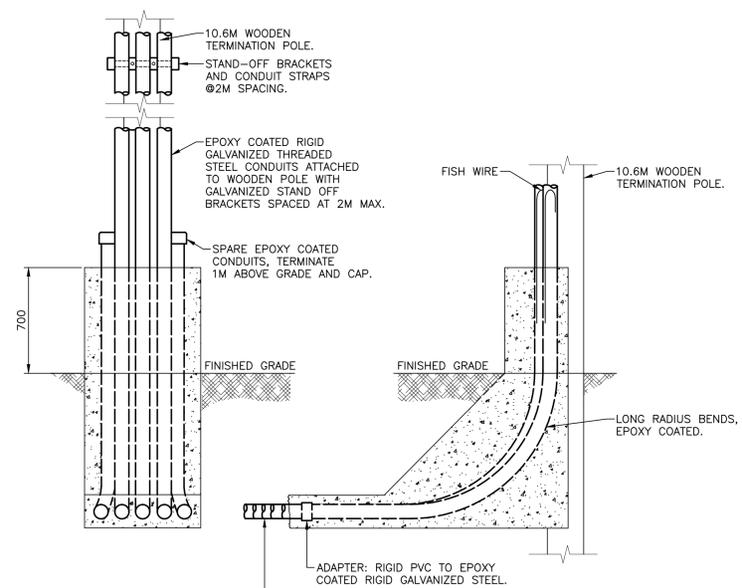
**TRENCH SECTION C**  
SCALE : NTS  
C  
E2



**LIGHT POLE DETAIL**  
SCALE : NTS  
3  
E2



**PLAN VIEW**



**UTILITY POLE DETAIL**  
SCALE : NTS  
4  
E2

C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017
revisions		note
project		project

**MCTS CENTRE**  
**PORT AUX BASQUES**

**ELECTRICAL SITE PLAN AND DETAILS**

designed	conçu
date	JUNE 28 2017
drawn	dessiné
date	JUNE 28 2017
approved	approuvé
date	JUNE 28 2017

Tender Summary  
g.f. macgillivray July 14 2017  
Project Manager  
no. du projet  
**R.081781.004**

drawing no. no. du dessin  
**E2**