SUMMERSIDE ELECTRIC GUIDELINES

1.0 GENERAL

1.1 Electrical contractors must maintain their safe limits of approach on Summerside Electric (SE) utility poles. No contractor shall work above pole communication heights, as per drawing DWG-02.

1.2 Electrical contractors must coordinate all work requiring SE in advance. Work requiring SE includes but is not limited to the following:

- Service Upgrades
- Disconnects
- Service Connections
- Temporary Services
- Meter Removal
- Meter Install
- Remote Metering Installations
- Underground locates of SE owned equipment

Note that a Provincial Electrical Pass does not guarantee service connections, and it is the developer/contractor responsibility to contact the City to request these services.

1.3 All permeant service entrances locations shall be determined in coordination with SE. Locations must be determined prior to commencement of work.

Please note the location of the temporary service may be different from the permanent service location.

2.0 DEVELOPMENT

2.1See drawing DWG-01 for a standard overhead distribution system design.

2.1 See drawing DWG-02 for a hybrid design system design. The hybrid design is a combination of overhead and underground wiring. All primary wiring is overhead, and all secondary wiring is underground.

2.2 See drawing DWG-03 for an underground system design.

Please see our Rates, Schedules and Policy Manual extension of facilities section for further information.

3.0 OVERHEAD SERVICES

3.1 All new overhead services must be accessible from the roadway.

4.0 UNDERGROUND / HYRBID

4.1 SE requires a signed letter of intent before placing an order for a pad-mount transformer. The contractor must provide SE with the load/service entrance size of the building a minimum of six months before the desired connection date.

4.2 Pad-mount transformer clearances, bollard locations, and grounding must meet the specifications outlined in drawings DWG-04 and DWG-07.

4.3 Conduits placed on the "riser" pole must be placed as per detail 01 on the non-traffic side of the pole to allow the conduit to raise between communications cables and meet the power cables.

4.4 No more than two power conduits shall be allowed on the utility pole.

4.5 Where ductbanks are located beneath roadways, sidewalks, parking lots, or other areas of vehicle traffic, or as directed by SE, the duct bank shall be encased in concrete. See DWG-06 concrete encased ductbank trench.

4.6 The "top" section of conduit shall be left secured to the base of the utility pole for SE line crew to connect. All required hardware must be made available by the contractor to complete the work. See detail on drawing DWG-02.

4.7 Primary underground electrical conduits shall be placed at the base of the pole in such a way to allow placement of metal bell covering around the conduit.

4.8 Do not install double underground primary conduit tightly together, as this does not allow for proper installation of the bell required for metal covering.

4.9 Underground services must be inspected by SE before backfilling. Please provide 48 hours' notice before inspection is required.

5.0 LOCATES

5.1 All locates for electrical services must be coordinated with SE. Please contact SE at 902-432-1268 complete a locate request form. Call **before** you dig.

5.2 Do **not** dig outside the marked area for the underground locate. If the parameters of the job change, please contact SE to complete a new locate request form.

6.0 EASEMENTS

6.1 Easements are required to be coordinated with SE. The area of the easement may vary depending on location and design.

6.2 SE requires a legal easement for all infrastructure located on privately owned property prior to the commencement of construction.

6.3 Easements are at the discretion of SE and will be minimized where possible.

7.0 METERS

7.1 No electrical contractor shall remove electrical meters unless certified by SE or in an emergency.

To apply for certification, please complete the application for single phase meter removal certification, found on page 2 of this document.

7.2 All meters must be placed in an accessible location. All meter locations need to be coordinated and approved by SE.

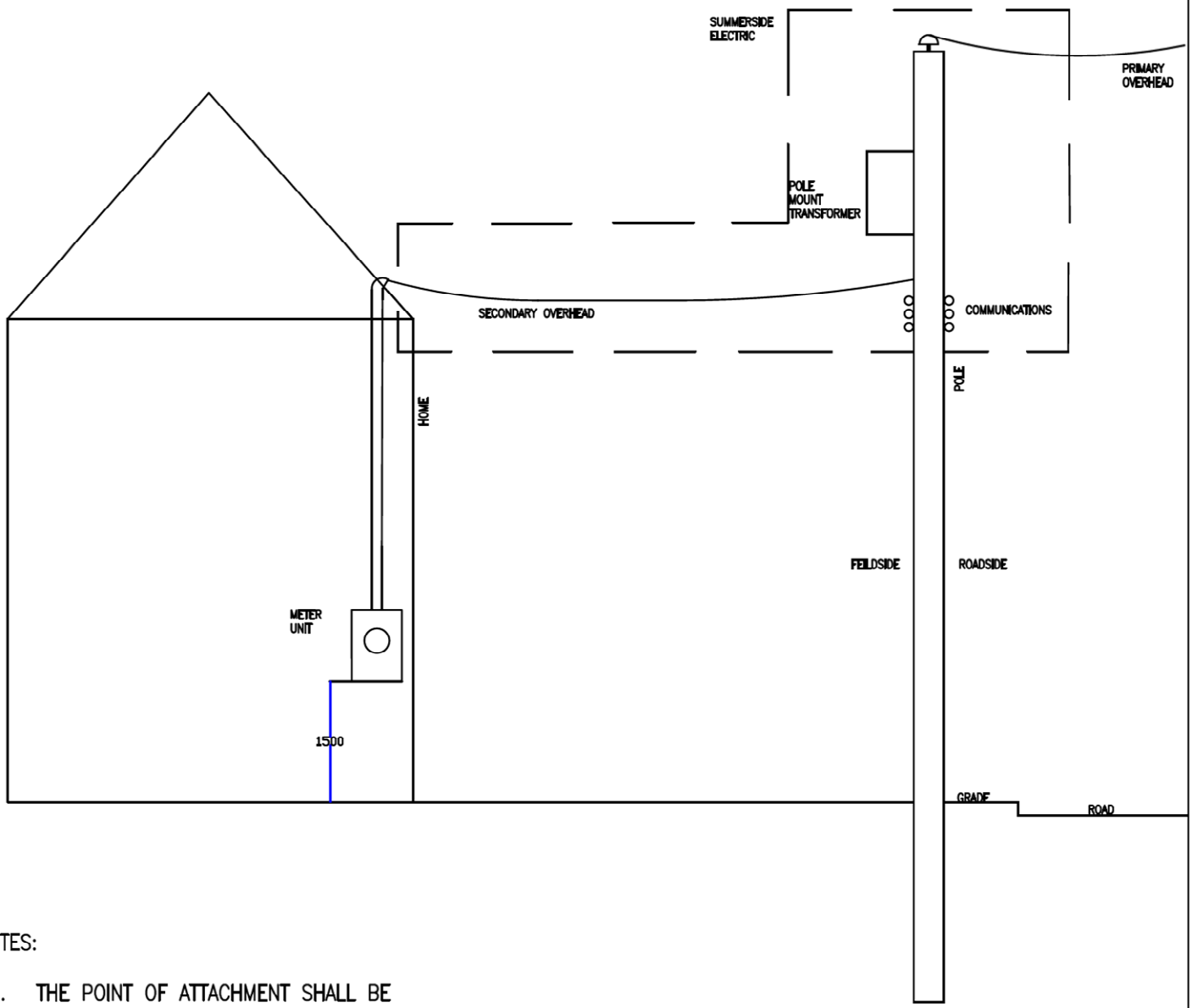
7.3 Electrical contractors **cannot** re-install the meter. SE reserves the right to contact the Provincial Electrical Inspector to ensure that all procedures have been followed and the work done has been inspected and approved.

7.4 A copy of the Provincial Electrical Permit is required **before** re-installation of a meter that was removed by an electrical contractor.

7.5 Please ensure you have completed the following steps for meter installation.

- 7.5.1 Obtained a valid building permit number from the City of Summerside. Building permit application forms can be found through the City of Summerside website.
- 7.5.2 Have an electrical pass from the province.
- 7.5.3 Setup an electric account with the City of Summerside. A valid electric account number must be provided for meter installation. For all customer service account inquiries call 902-432-1235.

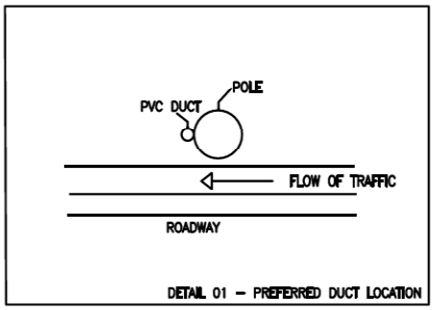
APPENDIX

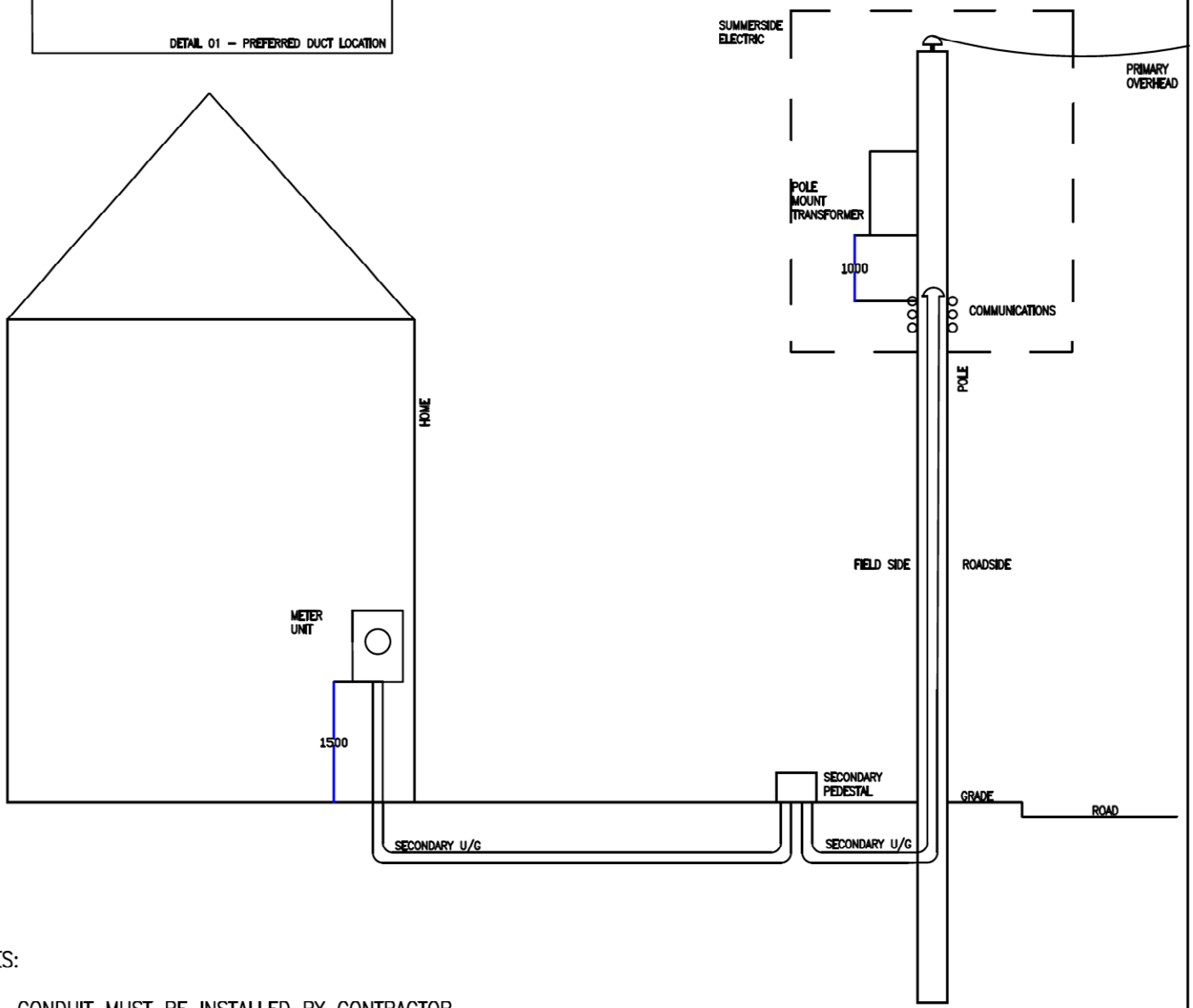


NOTES:

1. THE POINT OF ATTACHMENT SHALL BE
   1.1. ON THE SAME SIDE OF THE BUILDING AS THE SERVICE MAST
   1.2. IN A POSITION THAT ALLOWS THE OVERHEAD SERVICE CONDUCTORS TO ANGLE AWAY FROM THE STRUCTURE
2. POINT OF ATTACHMENT SHALL NOT EXCEED 9000 mm ABOVE GRADE
3. SERVICE MAST SHALL BE OF METAL AND ASSEMBLE FROM COMMENTS SUITABLE FOR SERVICE USE
4. THE SERVICE HEAD LOCATION MUST BE IN ACCORDANCE WITH THE CANADIAN ELECTRIC CODE SECTION 6 PART 1

Job Title: STANDARD CONSTRUCTION PRACTICES				
City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: STANDARD DISTRIBUTION SYSTEM DETAIL		Drawn: J.R.N	Checked: G.G
	Scale: N.T.S.	Date: 09/09/20	DWG–01	Sketch No. rev 02



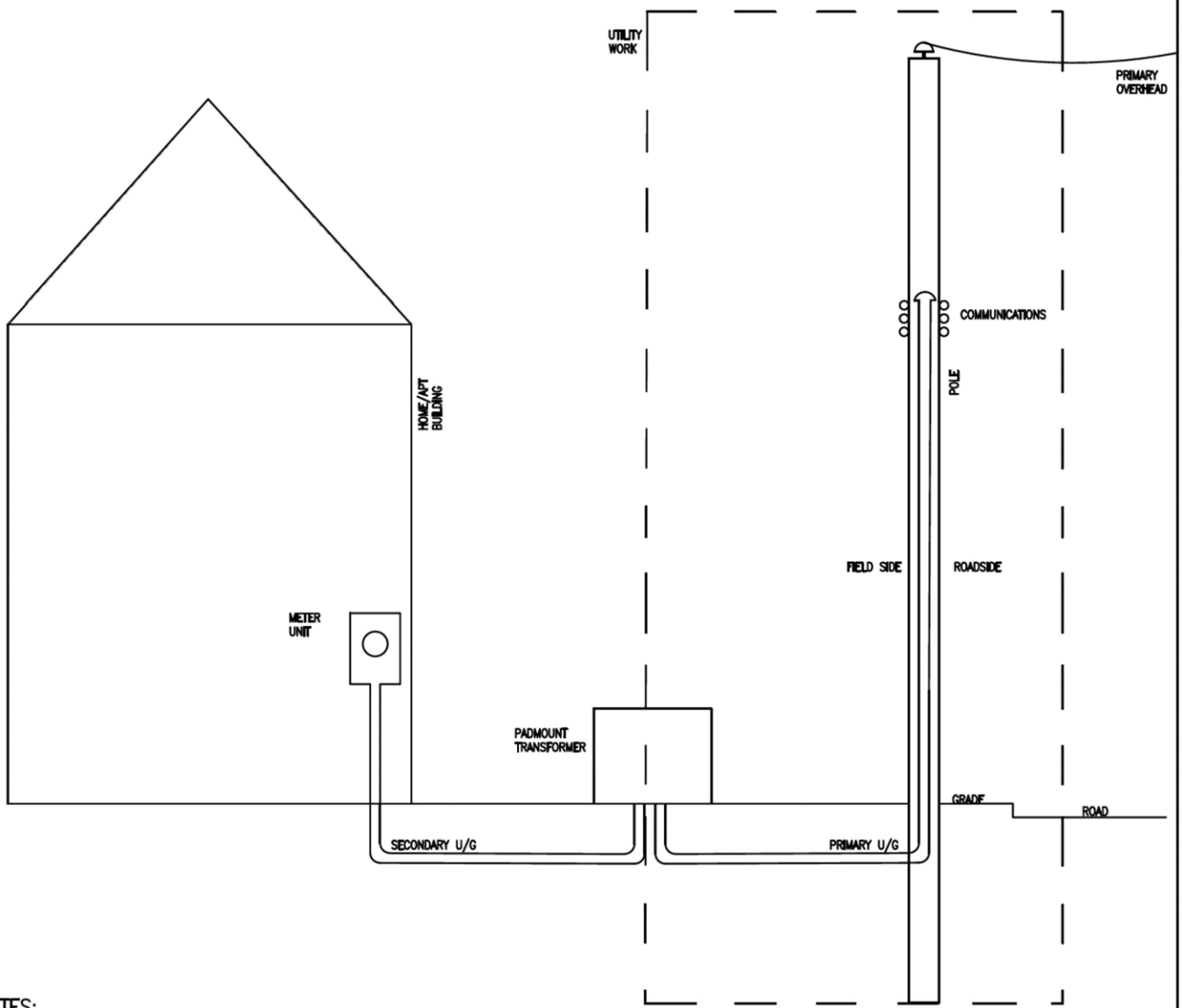


NOTES:

1. CONDUIT MUST BE INSTALLED BY CONTRACTOR
2. WHERE HAZARD EXISTS THE FINAL SECTION OF CONDUIT SHALL BE SECURED AT THE BASE OF THE POLE.
   2.1. THE CONTRACTOR SHALL SUPPLY CONDUIT, MAST HEAD, CLAMPS, AND ADEQUATE SCREWS.
3. UNDERGROUND SERVICES MUST BE INSPECTED BY SUMMERSIDE ELECTRIC BEFORE BACKFILLING
4. SECONDARY PEDESTAL MUST MAINTAIN A MINIMUM 1000 mm FROM POLE
   4.1. PEDESTAL INSTALLED WITHOUT POLE MUST MAINTAIN A MINIMUM 1000 mm FROM LOT LINE FACING ROAD
5. 500 MCM PEDESTALS ARE SUPPLIED BY SUMMERSIDE ELECTRIC

Job Title: STANDARD CONSTRUCTION PRACTICES

City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: HYBRID DISTRIBUTION SYSTEM DETAIL		Drawn: J.R.N	Checked: G.G
	Scale: N.T.S.	Date: 09/09/20	DWG–02	Sketch No. rev 02

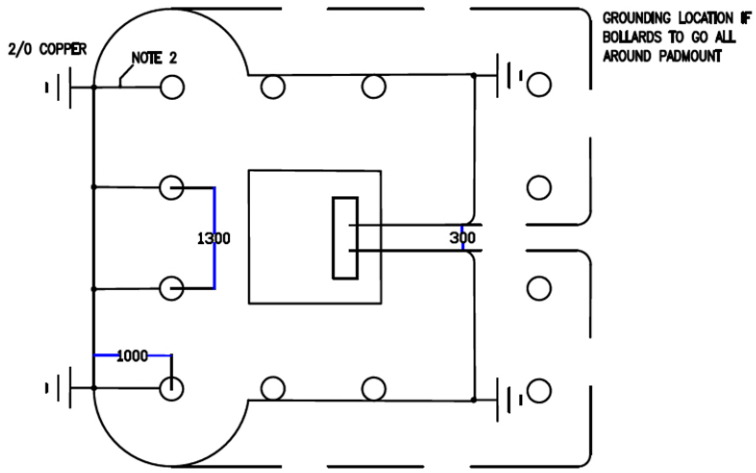


NOTES:

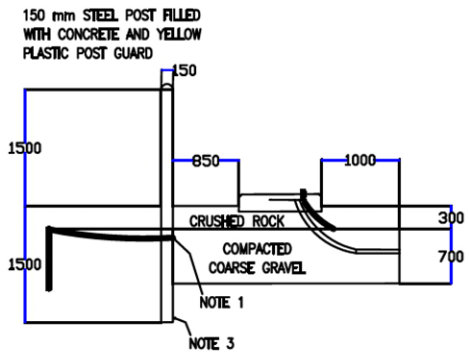
1. PAD–MOUNT MUST MAINTAIN MINIMUM 1000 mm FROM THE POLE.
2. EASEMENT REQUIRED FOR PAD–MOUNT TRANSFORMERS WILL NORMALLY BE 4000x4000 mm. CONTACT SUMMERSIDE ELECTRIC TO CONFIRM IF AN EASEMENT IS REQUIRED.
3. ALL CONDUITS TO BE IDENTIFIED WITH WATERPROOF TAGS TO INDICATE INCOMING AND OUTGOING CABLES. USE CIVIC NUMBER TO IDENTIFY.
4. LOCATION OF PAD–MOUNT TRANSFORMER TO BE CONFIRMED WITH SUMMERSIDE ELECTRIC.
5. UNDERGROUND SERVICES MUST BE INSPECTED BY SUMMERSIDE ELECTRIC BEFORE BACKFILLING

Job Title: STANDARD CONSTRUCTION PRACTICES

City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: UNDERGROUND DISTRIBUTION SYSTEM DETAIL		Drawn: J.R.N	Checked: G.G
	Scale: N.T.S.	Date: 09/09/20	DWG–03	Sketch No. rev 01



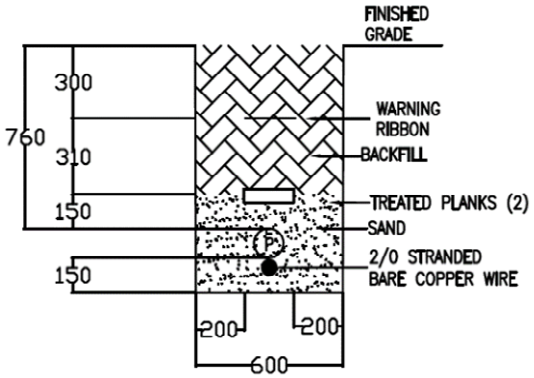
= GROUND ROD/PLATE LOCATION



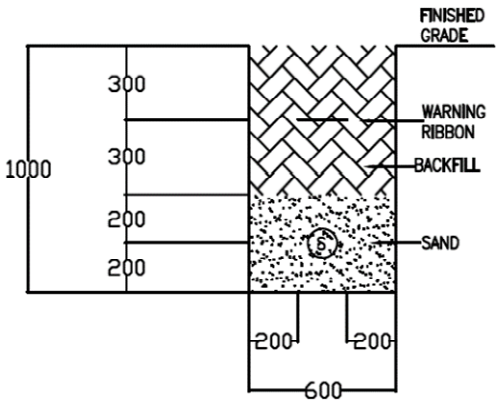
NOTES:

1. INSTALL A GROUND CONNECTOR 1200 mm FROM THE BOTTOM OF EACH STEEL PIPE.
2. INSTALL A 2/0 COPPER CONDUCTOR FROM THE PAD-MOUNT GROUND LOOP TO THE POSTS.
3. STEEL PIPE TO BE SCHEDULE 40 THICKNESS.
4. CONNECTION TO BE MADE WITH A CONNECTION WHICH IS SUITABLE FOR DIRECT BURIED COPPER CONDUCTORS.
5. GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST CANADIAN ELECTRIC CODE SECTION 10 PART 1

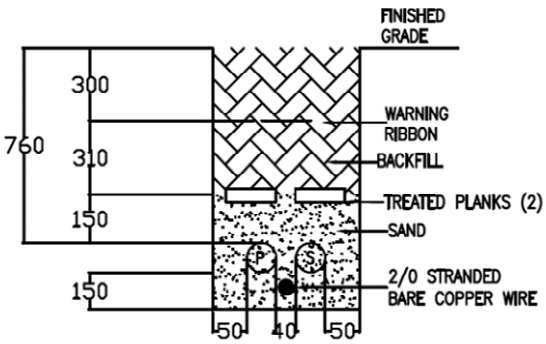
Job Title: STANDARD CONSTRUCTION PRACTICES				
City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: PAD-MOUNT VEHICLE PROTECTION		Drawn: J.R.N	Checked: G.G
	Scale: N.T.S.	Date: 09/09/20	DWG-04	Sketch No. rev 02



PRIMARY DUCTS



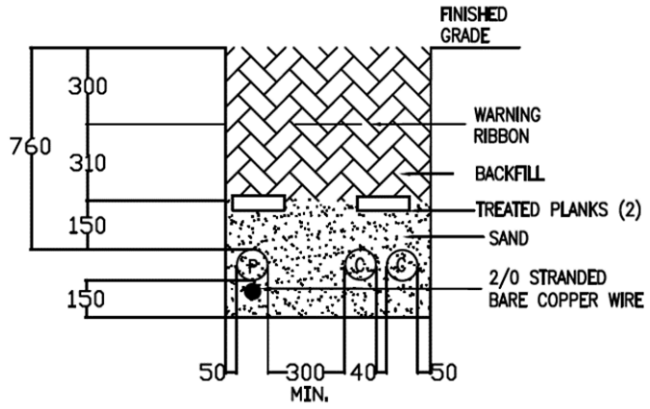
SECONDARY DUCTS



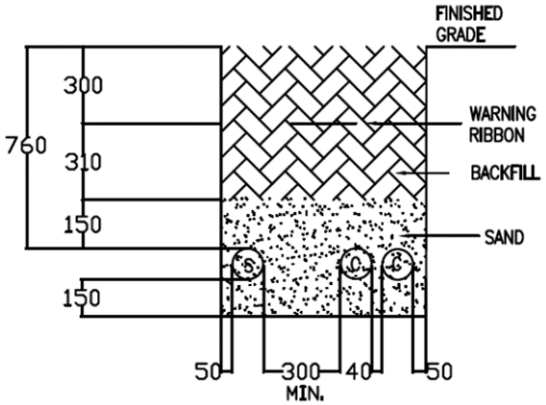
P - PRIMARY
S - SECONDARY
C - COMMUNICATION

PRIMARY & SECONDARY DUCTS

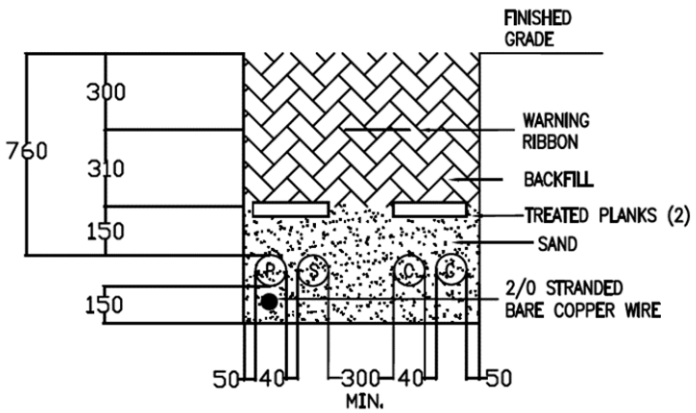
Job Title: STANDARD CONSTRUCTION PRACTICES				
City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: TRENCHING DETAILS		Drawn: N.R.A.W	Checked: G.G
	Scale: N.T.S.	Date: 11/30/20	DWG–05	Sketch No. rev 02



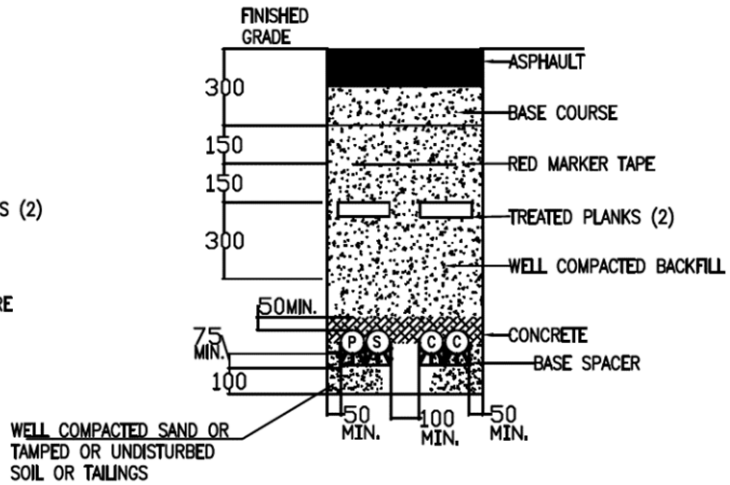
PRIMARY VOLTAGE AND COMMUNICATION DUCTS



SECONDARY VOLTAGE AND COMMUNICATION DUCTS

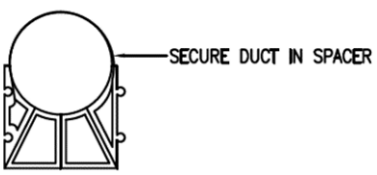


DIRECT BURIED CONDUIT TRENCH

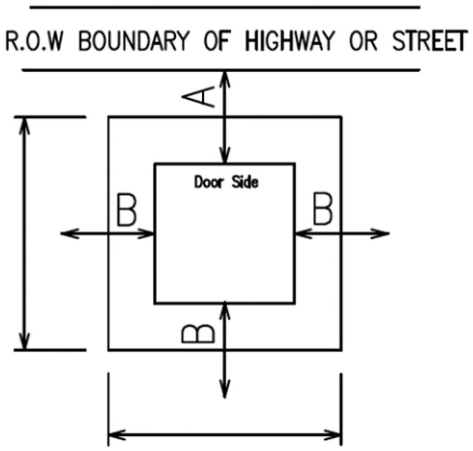


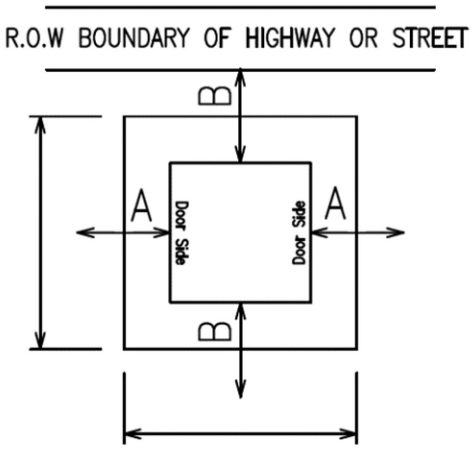
CONCRETE ENCASED DUCTBANK TRENCH

P - PRIMARY
S - SECONDARY
C - COMMUNICATION



Job Title: STANDARD CONSTRUCTION PRACTICES				
City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: STANDARD DISTRIBUTION SYSTEM DETAIL		Drawn: N.R.A.W	Checked: G.G
	Scale: N.T.S.	Date: 09/09/20	DWG-06	Sketch No. rev 02





MINIMUM WORKING SPACE		
PHASE	DIMENSION A	DIMENSION B
SINGLE	3000mm	600mm
THREE	3000mm	1000mm

NOTES:

1. ALL FACILITIES MUST BE LOCATED OFF ROAD R.O.W. INCLUDING FIBERGLASS/CONCRETE PAD, PROTECTIVE BOLLARDS & GROUND GRID.
2. AN EASEMENT IS REQUIRED WHEN SUMMERSIDE ELECTRIC FACILITIES ARE LOCATED ON PRIVATE PROPERTY.
3. THE WORKING SPACE SHALL BE OBSTRUCTION FREE INCLUDING LANDSCAPING.
4. A MINIMUM SEPARATION IS REQUIRED FOR THE FOLLOWING SCENARIOS:
   - 4.1. 3000mm BETWEEN BUILDING AND PAD-MOUNTED EQUIPMENT.
   - 4.2. 3000mm FROM ANY COMBUSTIBLE DEVICE.
   - 4.3. 6000mm FROM ANY DOOR OR WINDOW.
   - 4.4. 6000mm FROM ANY VENTILATION INLET/OUTLET.

IF MINIMUM SEPARATION CANNOT BE MET CONSULT WITH SUMMERSIDE ELECTRIC ENGINEER

Job Title: STANDARD CONSTRUCTION PRACTICES

City of Summerside Electric Utility 94 Ottawa Street Summerside, PE	Title: PAD-MOUNT EQUIPMENT LOCATION DETAILS		Drawn: N.R.A.W	Checked: G.G
	Scale: N.T.S.	Date: 12/15/20	DWG-07	Sketch No. rev 01