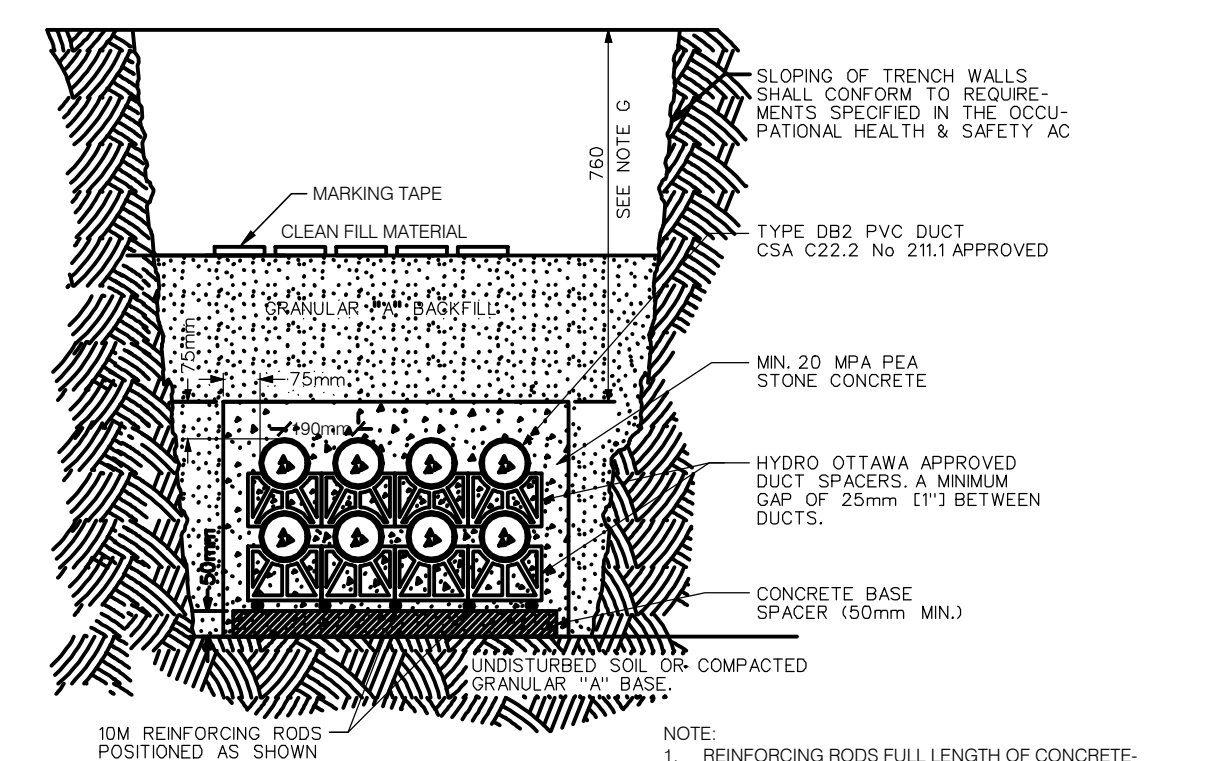
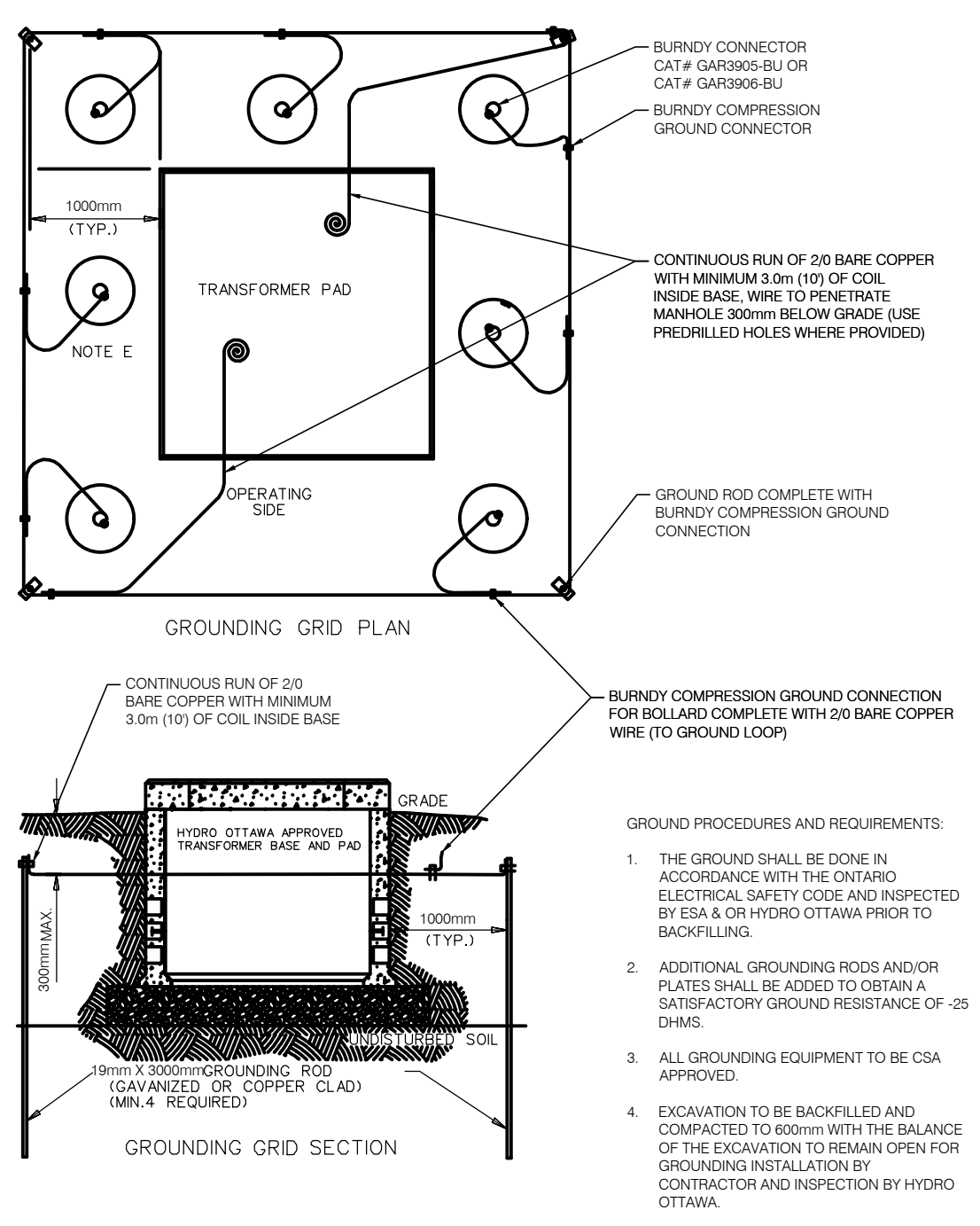


- ### GENERAL ELECTRICAL NOTES
- ALL WIRING SHALL BE COPPER WITH THE SMALLEST PERMISSIBLE SIZE OF NO. 12.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE ACCURATE 'AS-BUILT' DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE PROJECT.
 - ALL NEW MATERIALS SUPPLIED UNDER THIS CONTRACT SHALL CARRY CSA APPROVAL.
 - ELECTRICAL CONTRACTOR TO ENSURE THAT ALL ELECTRICAL EQUIPMENT IS EFFECTIVELY GROUNDED TO MEET HYDRO REQUIREMENTS.
 - ELECTRICAL CONTRACTOR TO PROVIDE LAMACOID NAME PLATES ON ALL PANEL BOARDS, DISCONNECT SWITCHES AND STARTERS CLEARLY INDICATING VOLTAGE, PHASE, NAME AND EQUIPMENT SERVICED. PROVIDE LAMACOID LABELS ON ALL NEW JUNCTION BOXES AND INDICATE VOLTAGE, PHASE, AND PANEL CIRCUIT NUMBER AND LOCATION. PROVIDE LABELS ON ALL SWITCHES AND WALL RECEPTACLES TO INDICATE PANELS AND CIRCUIT NUMBERS.
 - ELECTRICAL CONTRACTOR TO ENSURE THAT ALL WIRE SIZES ARE IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE IN REGARDS TO VOLTAGE DROP.
 - ELECTRICAL CONTRACTOR WILL BE OBLIGED TO INCREASE (AT NO EXTRA COST TO THE PROJECT) WIRE AND CONDUIT SIZES WHEREVER REQUIRED TO CONFORM WITH ALL CODE REQUIREMENTS.
 - ALL ITEMS NOTED ON THESE DRAWINGS ARE THE SPECIFIC RESPONSIBILITY OF ELECTRICAL CONTRACTOR TO SUPPLY, INSTALL AND PROVIDE WARRANTY FOR GOOD WORKING ORDER, UNLESS SPECIFICALLY NOTED FOR ANOTHER REASON.
 - ALL WORK IS TO BE COORDINATED WITH ALL OTHER TRADES AND EXISTING INSTALLATION TO AVOID INSTALLATION INTERFERENCE. AREAS OF COORDINATION CONFLICT WILL BE DECIDED BY THE SITE COORDINATOR TO ENSURE NO ADDITIONAL COSTS ARE MADE TO THE PROJECT.
 - THE WORK OF THE ELECTRICAL CONTRACTOR SHALL MEET THE APPROVAL OF THE ENGINEER AND THE OWNER, AND EITHER OR BOTH MAY DISAPPROVE OF THE QUALITY OF THE WORKMANSHIP, MATERIALS, OR EQUIPMENT, IN WHICH CASE THE ELECTRICAL CONTRACTOR SHALL BE OBLIGED TO CORRECT THE SITUATION TO THE SATISFACTION OF THE OWNER AND/OR THE ENGINEER.
 - ALL ELECTRICALLY FED ELEMENTS DEPICTED ON THESE DRAWINGS ARE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE WIRE, CONDUIT, DISCONNECTS, STARTERS, ETC. WHERE REQUIRED BY CODE TO ENSURE THAT THE EQUIPMENT IS IN RUNNING OPERATIONAL ORDER.
 - ALL TESTING MUST BE PERFORMED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
 - GUARANTEE IN WRITING FOR THE MATERIAL AND WORKMANSHIP INCLUDING THE MANUFACTURER'S GUARANTEE FOR THE PERIOD OF ONE (1) YEAR, FROM THE DATE OF ACCEPTANCE.
 - ALL TESTING AND INSPECTIONS MUST BE PERFORMED BY THE ELECTRICAL SAFETY AUTHORITY (ESA) AND THE CONTRACTOR AND WITNESSED BY THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

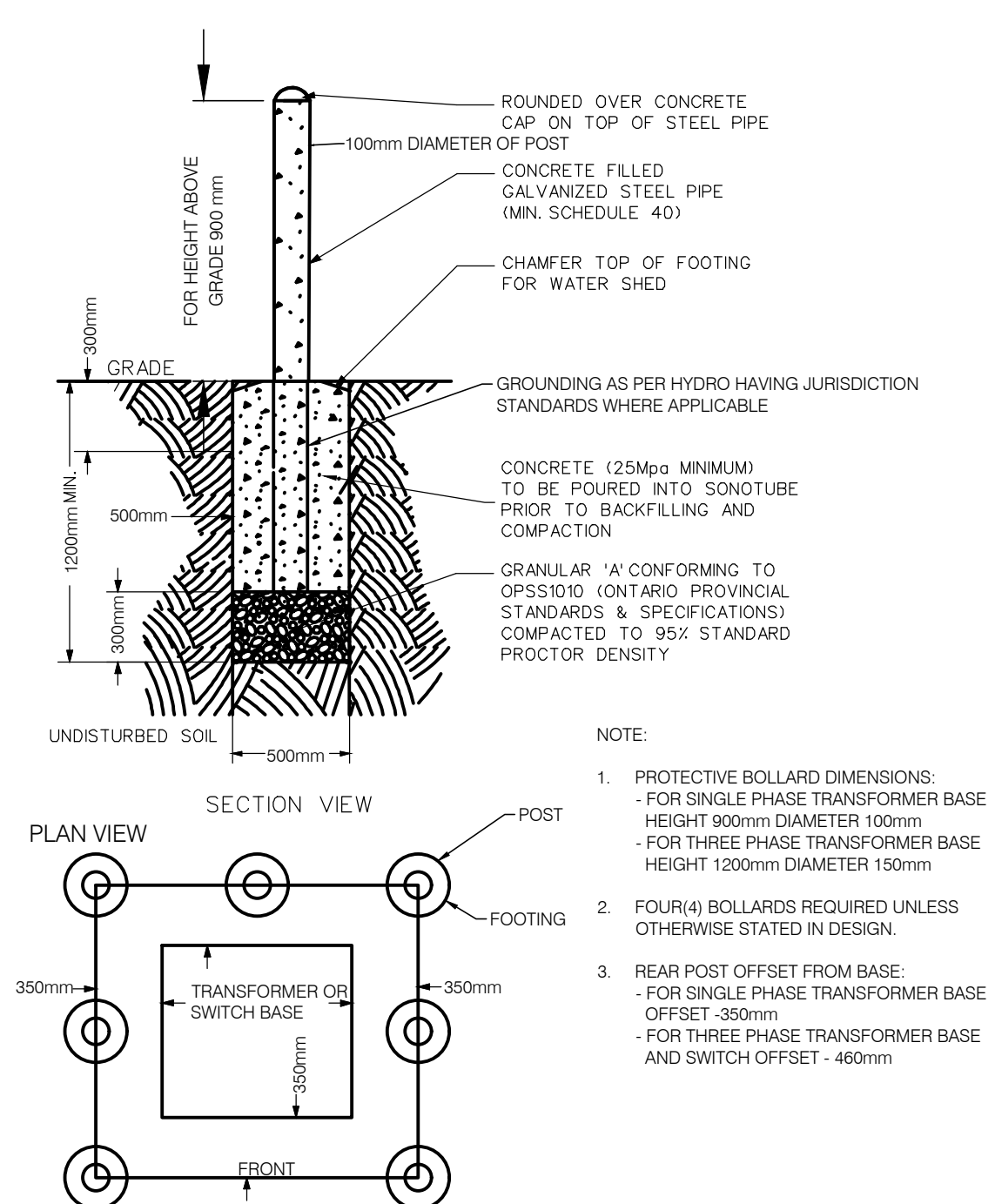
- ### DRAWING NOTES
- 3" COMBUSTION AIR INTAKE AND VENTILATION TO ROOF ABOVE AND NATURAL GAS FROM ROOF ABOVE AND CONNECTED TO GAS FIRED HVAC UNIT C/W GAS SHUT-OFF VALVE.
 - EXHAUST AIR DUCT, OPEN END IN CEILING SPACE FOR FUTURE TENANT CONNECTION FOR WASH ROOMS EXHAUST.
 - OUTSIDE AIR SUPPLY, OPEN END IN CEILING SPACE CLOSE TO HVAC UNIT RETURN OPENING FOR FUTURE TENANT CONNECTION TO RETURN AIR DUCT.
- ### LEGEND
- UNDER GROUND PVC CONDUIT & CONDUCTORS
 - SINGLE HEAD LED LIGHT STANDARD
 - ▼ PAD MOUNT TRANSFORMER BY HYDRO OTTAWA CONTRACTOR TO PROVIDE CONCRETE TRANSFORMER BASE, GROUNDING & BOLLARDS AS PER HYDRO OTTAWA REQUIREMENTS



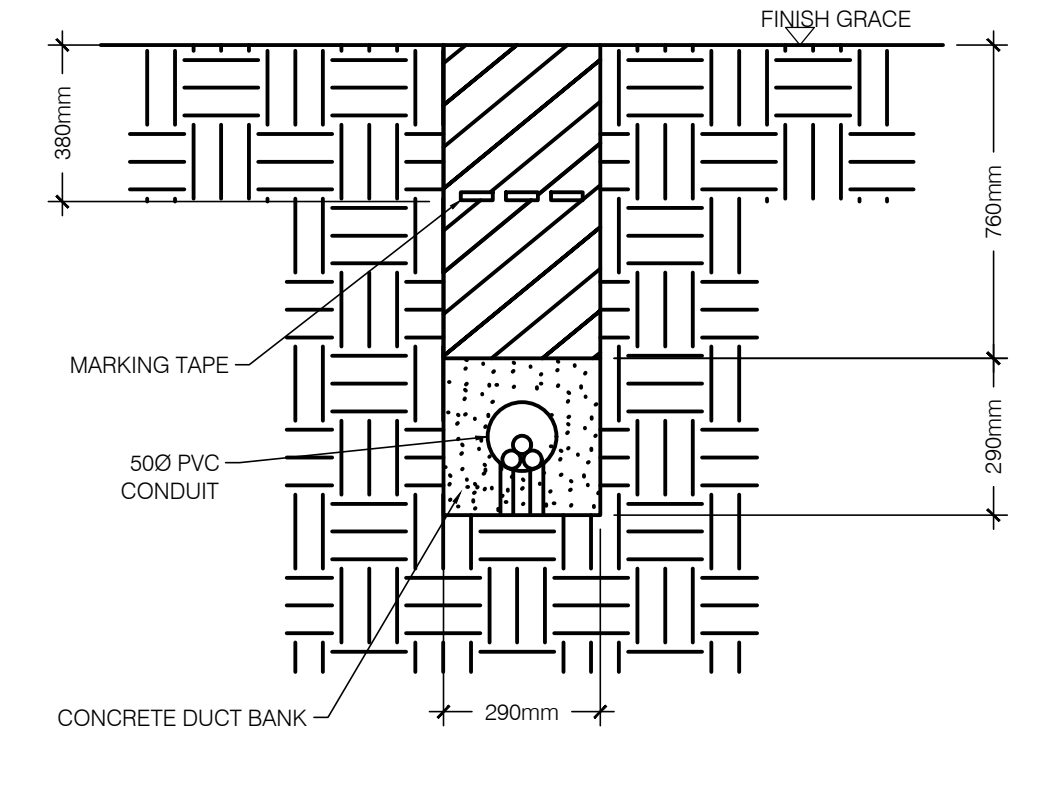
- NOTE:
- REINFORCING RODS FULL LENGTH OF CONCRETE-ENCASED DUCTS. OVERLAP JOINTS BY 150mm ON BASE SPACES AND THE BOTH ENDS. DRILL AND DOWEL RODS 85mm INTO WALLS OF CONCRETE STRUCTURE.
 - DUCT SPACES TO BE PLACED AT A MAXIMUM OF 150mm AND WITHIN 150mm OF COUPLING. PLASTIC DUCT SPACES TO BE USED ONLY IF CONCRETE DUCT SPACES ARE UNAVAILABLE.
 - FORMS REQUIRED FOR BOTH SIDES OF THE FULL LENGTH OF CONCRETE-ENCASED DUCT STRUCTURE.
 - DUCTS AND TRENCHES MUST BE INSPECTED BY HYDRO HAVING JURISDICTION BEFORE ANY CONCRETE IS POURED.
 - CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, RODED AND THAT A 6mm (1/4") POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.



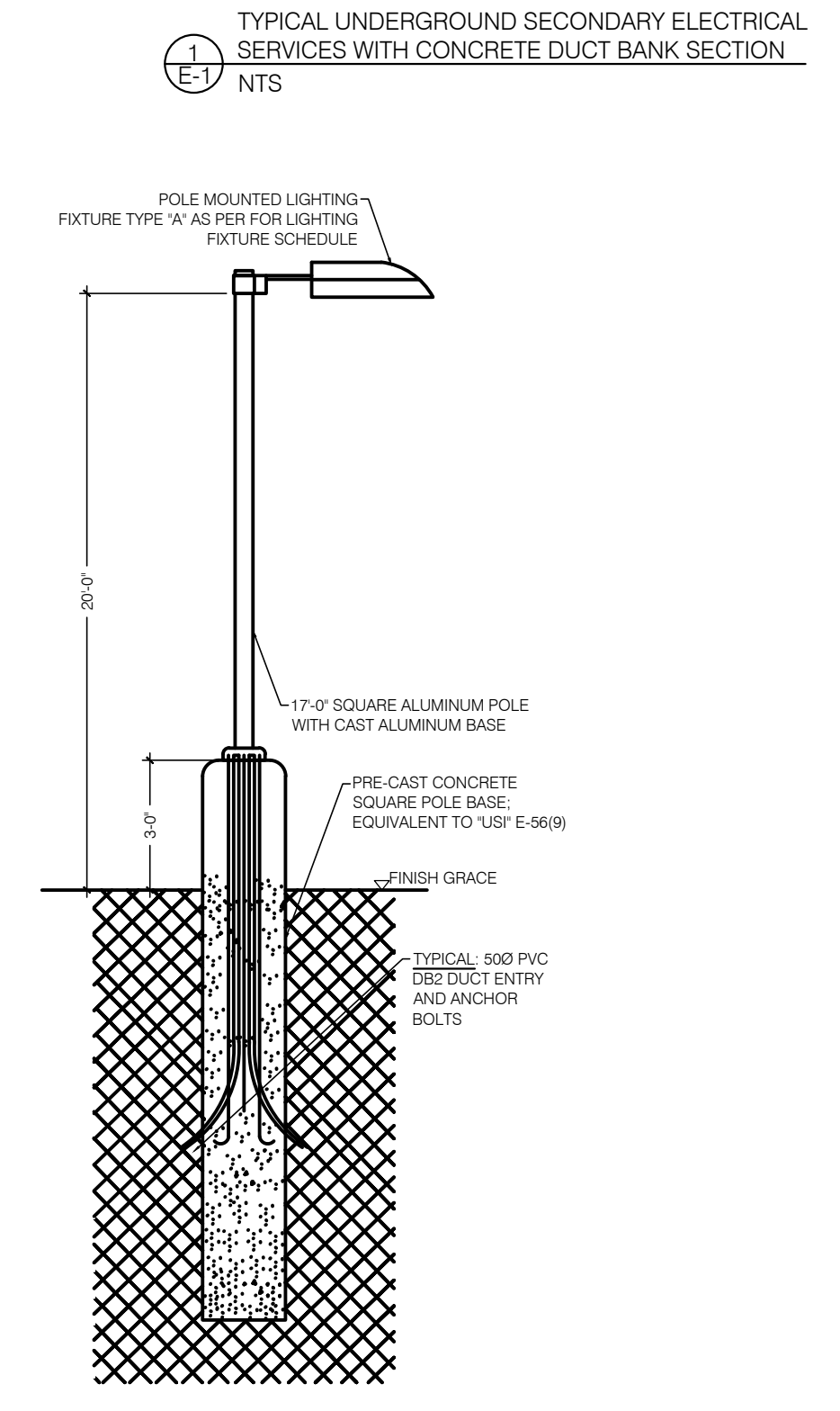
PAD MOUNT TRANSFORMER GROUNDING DETAIL NTS



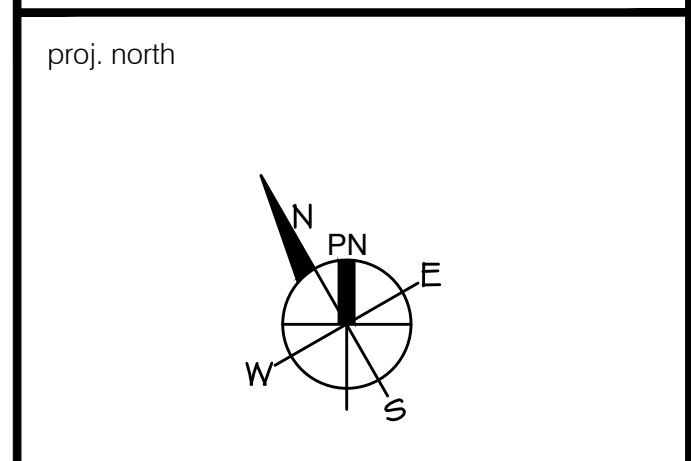
PROTECTIVE BOLLARDS DETAIL NTS



LIGHTING TRENCH DETAIL WITH CONCRETE DUCT BANK NTS

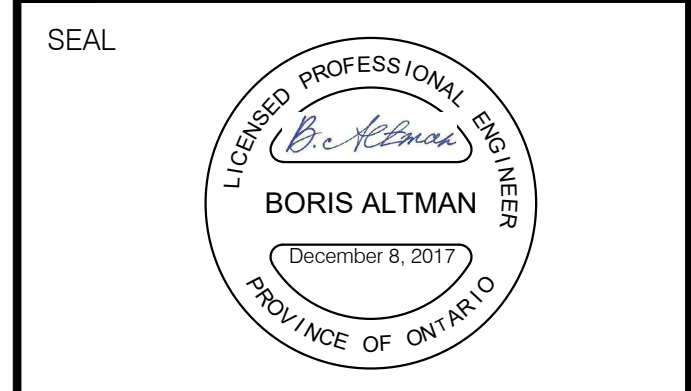


POLE MOUNTED LIGHT FIXTURE DETAIL NTS



B.A. Design Ltd.
Complete Engineering Services

1470 Triole Street,
Unit 2, Ottawa, Ontario
K1B 3S6
Tel: (613) 742-1853
Fax: (613) 742-0386
E-mail: altman@trytel.com



No	Revision	Date
1	ISSUED FOR PERMIT	08/Dec/2017

project
**LONGFIELDS STATION
COMMERCIAL PLAZA**
605 LONGFIELDS DRIVE
OTTAWA, ONTARIO

drawing
**ELECTRICAL SITE
PLAN**

designed	H.D.
drawn	G.C.
revised	B.A.
date	08/Dec/2017
scale	3/32" = 1' - 0"
project no.	LCP12-2017
file no.	
drawing no.	E-1