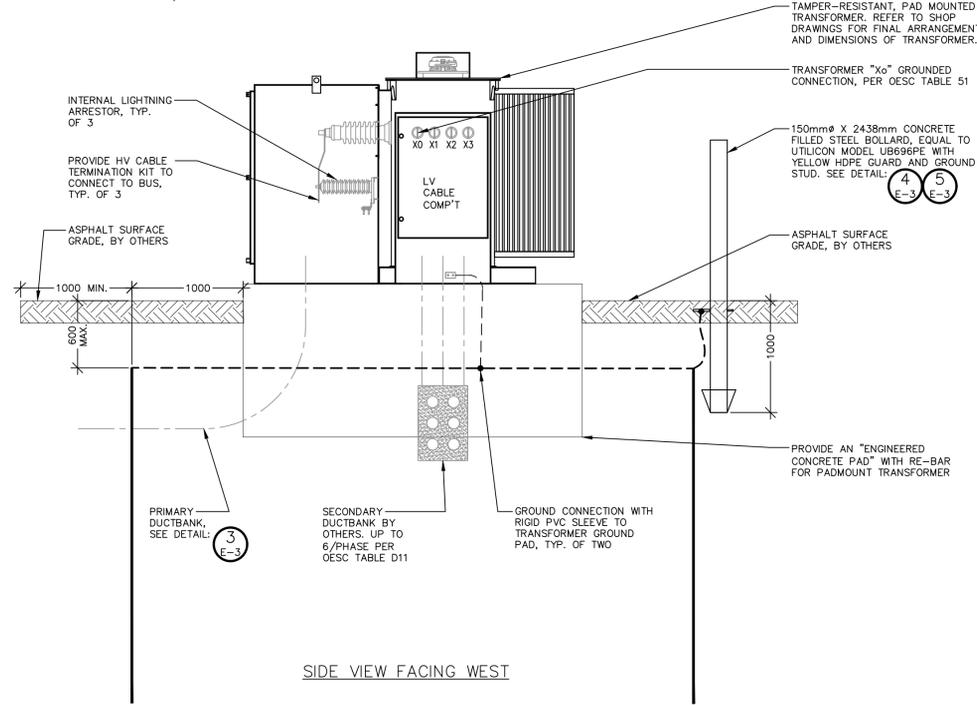


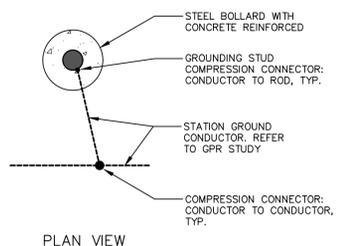
TOP VIEW



SIDE VIEW FACING WEST

1 PROPOSED TRANSFORMER LAYOUTS – TOP AND SIDE VIEWS

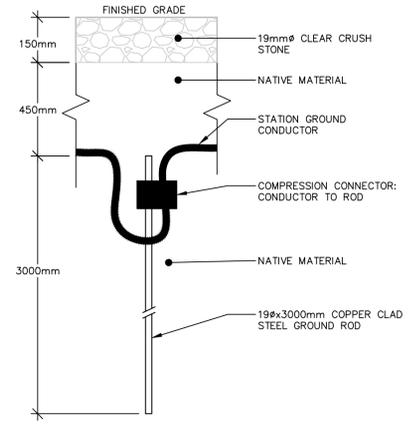
- NTS, DIMENSIONS SHOWN IN mm
- REFER TO FINAL SHOP DRAWINGS OF TRANSFORMER TO CONFIRM CONCRETE PAD SIZE.
- PROVIDE RIGID PVC CONDUIT SLEEVES FOR ALL GROUND CONNECTIONS.
- REFER TO GPR GROUND GRID REPORT BY PSA SERVICES, INC. FOR FULL GROUND GRID REQUIREMENTS.
- REFER TO SITE PLAN FOR ORIENTATION AND ALL UNDERGROUND DUCTS.



PLAN VIEW

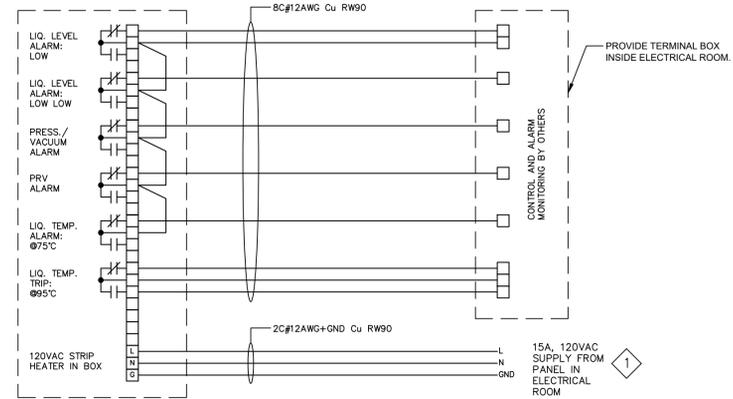
4 TYPICAL BOLLARD GROUNDING DETAIL

- SCALE NTS
- REFER TO SITE PLAN FOR QUANTITY OF BOLLARDS



6 TYPICAL GROUND ROD DETAIL

- SCALE NTS
- REFER TO SITE PLAN FOR QUANTITY OF RODS



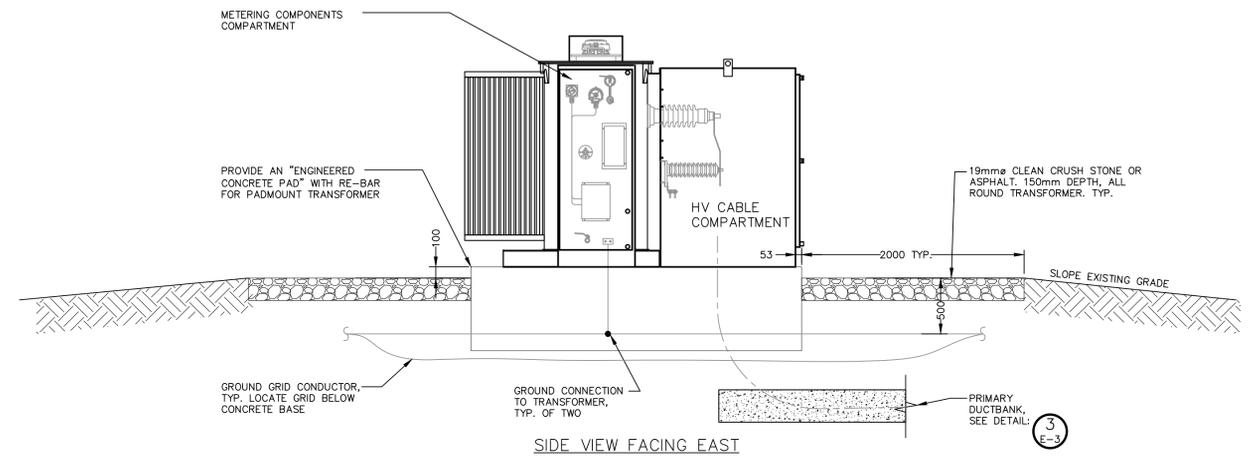
3 TRANSFORMER CONTROL BOX – WIRING TERMINAL DETAILS

- ALARM CONTACTS TO BE "FAIL SAFE", THAT OPEN ON ALARM CONDITION
- COORDINATE WITH BUILDING CONTRACTOR TO PROVIDE 15AMP, 120VAC POWER SUPPLY FOR STRIP HEATER IN TRANSFORMER CONTROL BOX.

UTILICON	
engineered precast structures	
UB696PE	
PRECAST TURNKEY BOLLARD FOR EQUIPMENT PROTECTION	
TYPICAL USE: Powerstream	
CONSTRUCTION SPECIFICATIONS	
Concrete Properties: 4500 PSI (32 MPa) Min Strength 4-8% Air Entrainment	
Steel Properties: 6" schedule 10 pipe (Galv) One (1) 1/4"Ø" grounding stud (B) One (1) 1/2"Ø" threaded ground rod(A) Weight: 346 lbs / 157kg (Approximate)	
COMES COMPLETE WITH 7" DIA x 60" YELLOW HOPE COVER (RED BANDING) AND FOAM INSTALLATION STRIP	
Call Toll Free: 1-877-269-1332	DRAWN BY: RM DEC 2013

5 TYPICAL BOLLARD DETAIL

- NTS, DIMENSIONS SHOWN IN mm



SIDE VIEW FACING EAST

2 PROPOSED TRANSFORMER LAYOUT – LEFT SIDE VIEW

- NTS, DIMENSIONS SHOWN IN mm

DISCLAIMER AND COPYRIGHT
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.
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BENCHMARKS

No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	ISSUED FOR CLIENT REVIEW AND COORDINATION	SEPT. 2024	
2.	ISSUED FOR TENDER	OCT. 2024	



**603 COUNTY ROAD 49
PICTON, ONT.**
**TRANSFORMER, DUCTBANK, BOLLARD AND
GROUND GRID DETAILS**



DESIGN: RJW	FILE: 124154	DWG:
DRAWN: RJW	DATE: SEPT. 2024	E-3
CHECK: GGR	SCALE: AS SHOWN	