

ELLIS DR.

HURONIA RD.



1. TRANSFORMER PAD SUPPLIED & INSTALLED BY ELECTRICAL CONTRACTOR TO SPLIT ALETRA UTILITY ETC. TRANSFORMER & PUMP CONNECTIONS BY ALETRA UTILITY.
2. 8-10:45am P&C TYPE II DUCTS IN 75mm RE-INFORCED CONCRETE ENCLOSED BURIED MIN 750mm BELOW GRADE. EXACT ROUTINE AND TERMINATION TO SUIT ALETRA UTILITY. DUCT BACK CONSTRUCTION SEE POWER STRUM 3 PHASE TRANSFORMER CONSTRUCTION DETAILS.
3. 10:45am P&C TYPE II DUCTS IN 75mm RE-INFORCED CONCRETE ENCLOSED BURIED MIN 750mm BELOW GRADE. EXACT ROUTINE AND TERMINATION TO SUIT ALETRA UTILITY.
4. 10:45am P&C TYPE II DUCTS BURIED MIN 610mm BELOW GRADE. EXACT ROUTINE AND TERMINATION TO SUIT ALETRA UTILITY. TERMINATION TO BE CARRIED WITH LOCAL TELEPHONE/DATA SUPPLIER PRIOR TO INSTALLATION.

CLASS OF CONCRETE

JOINTS

REINFORCING STEEL SHALL BE GRADE 40.

CLEAR COVER TO REINFORCING STEEL SHALL BE 30mm + 20mm EXCEPT AS NOTED.

EXCAVATION FOR PLACEMENT OF ELECTRICAL CONDUITS SHALL BE 150mm DEEPER THAN TOP OF FOOTING. CONDUIT LOCATION TO BE SUFFICIENTLY MARKED ON TOP OF FOOTING. POLE ANCHOR BOLTS SHALL BE VERTICALLY INSTALLED IN THE CORNER LOCATIONS. CONCRETE PLACEMENT BE ALLOWED AFTER CONCRETE CURE.

CONCRETE TO BE PLACED AGAINST UNDISTURBED SOIL. THE FOUNDATION MAY BE CONSTRUCTED BY DIPPING AND PUMPING CONCRETE TO THE TOP OF THE FOUNDATION. THE BASE, AND EXCAVATING BY ASCENDING, OR OTHER SUITABLE METHOD. THE LAYER BE PLACED IMMEDIATELY AS THE CONCRETE IS Poured.

THE CONTRACTOR SHALL CHECK NUMBER OF ANCHOR BOLTS AND BOLT CIRCLE AND ANCHOR BOLT PILE PRIOR TO PLACING CONCRETE.

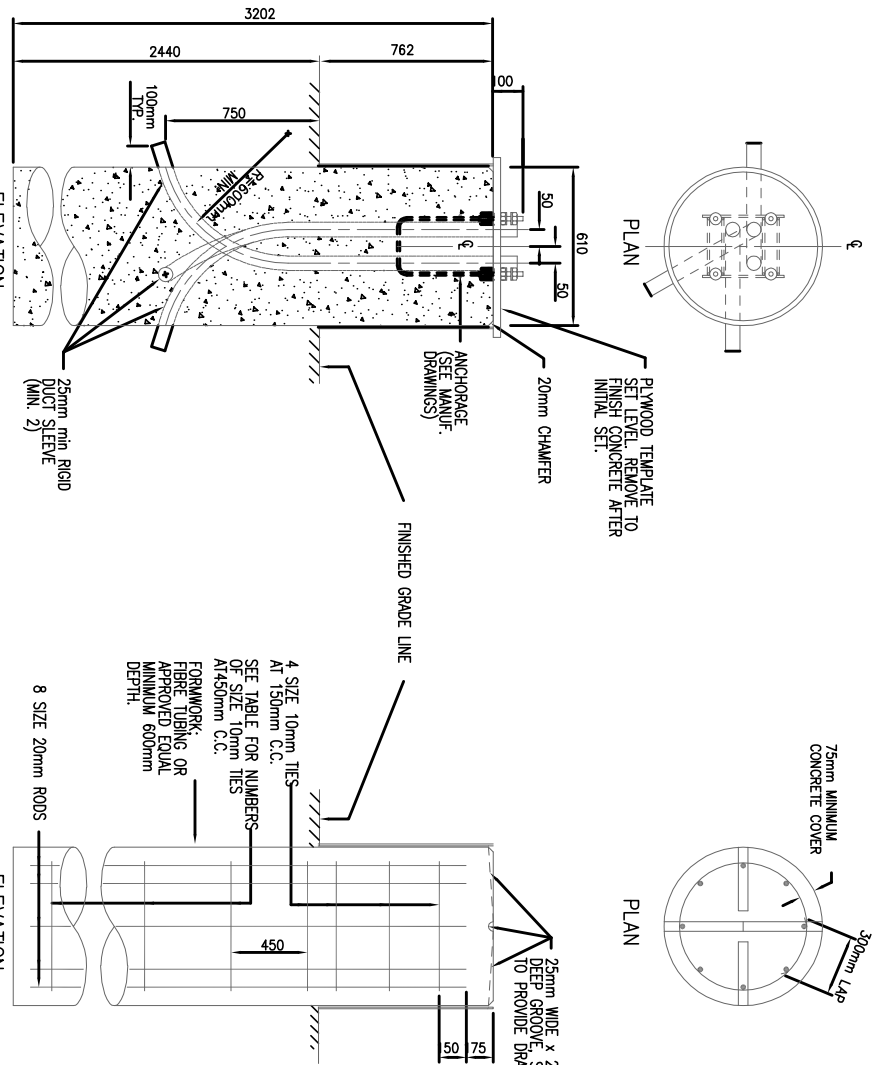
ANCHOR ASSEMBLY SHALL BE PROVIDED WITH WOODEN OR STEEL TEMPLATES.

ANCHOR RODS ARE ROUND BARS GROUNDENED AND TREATED WITH OIL CARBO NATE TO PREVENT CORROSION. THE MINIMUM TENSILE STRENGTH IS 275N/mm² (40,000 PSI).

ANCHOR BOLTS SHALL BE 20 JOLTS AT MINUS 150MM. ANCHOR BOLTS SHALL BE REMOVED PRIOR TO CONCRETE PLACEMENT.

CONTRACTOR SHALL MAINTAIN THE STABILITY OF THE FOUNDATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIE OF DRILLING THE CASSEION HOLD TO PLACING THE CONCRETE.

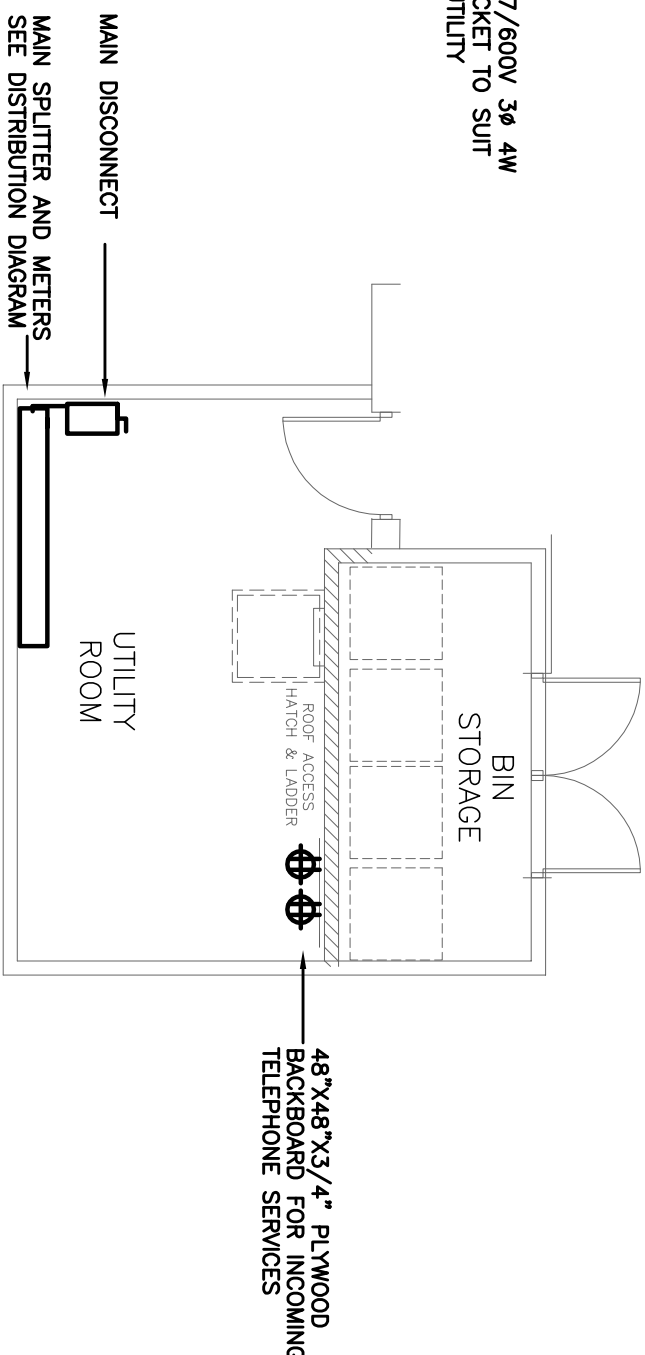
MINIMUM OF TWO (2) STEERS REQUIRED FOR EACH CONCRETE FOOTING.



POURING DEPTH, H_p (m)	POURING RATE, $\dot{V}_p$ (m ³ /h)	POUT ORIFICE DIAMETER, d_o (mm)	TIES AT 150mm C.C.		TIES AT 450mm C.C.		REINFORCING BARS					
			DEVELOP LENGTH	SIZE # REQ'D.	DEVELOP LENGTH	SIZE # REQ'D.	LENGTH	SIZE # REQ'D.				
2440	610	3200	To suit	300mm	10	4	500mm	10	6	3000	20	8

ANCHORAGE ASSEMBLY FOR MEDIUM MAST LIGHTING POLE
(VERIFY WITH STRUCTURAL ENGINEER PRIOR TO
INSTALLATION)

HVAC	60KW
LIGHTING	30KW
POWER	120KW
TOTAL	210KW



LS1-U.S. ARCHITECTURAL CAT#VLL-LED-PIED-4-80LED-700MA-NW

ELECTRICAL SITE PLAN

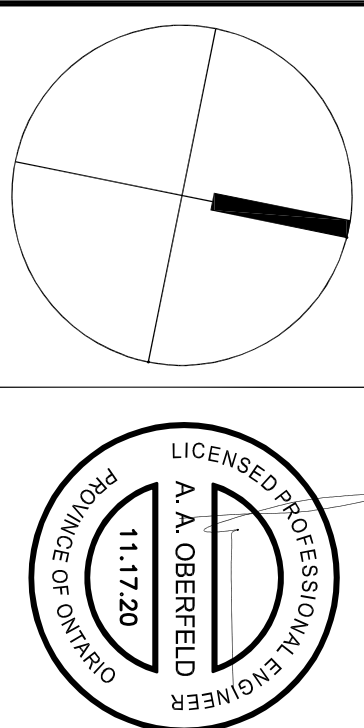
DRAWN BY D.P.	CHECKED BY J.P.	DATE NOV. 2020	DATE PLOTTED	PROJECT NO. 220-119	DRAWING NO. E-1
SCALE 1:250					

Contractors shall verify and check all dimensions and conditions on site prior to starting any of the work and report any discrepancy to the Architect and consultants before proceeding. Construction must conform to all applicable Codes and Requirements of Authorities having Jurisdiction pertaining to this application.

No investigation has been undertaken or reported on by this office in regards to the environmental condition or pollution of this site.

This drawing is not to be scaled.

All dimensions and areas to be confirmed on site by Ontario Land Surveyor.

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PROJECT TITLE

**441 HURONIA RD.
COMMERCIAL
DEVELOPMENT**

441 HURONIA RD., BARRIE, ON