



3/6/15

- NOTES:
1. FOUNDATION SOIL PROPERTIES ARE BASED ON PLAN SHEET SOIL BORINGS DATED 6/24/13 & 6/25/13. DESIGN MEETS VTRANS MREI 10-01.
  2. DESIGN GROUNDWATER ELEVATION PER SOIL BORINGS.
  3. GROUND SURFACE PER CROSS SECTIONS.
  4. IF ACTUAL SITE CONDITIONS VARY FROM ABOVE ASSUMPTION, FOUNDATION REDESIGN IS REQUIRED.
  5. MIN. CONCRETE COMPRESSIVE STRENGTH OF 3,500 PSI @ 28 DAYS.  
REINFORCING: ASTM A615 GR. 60.
  6. FOUNDATION SHALL BE CAST AGAINST PERMANENT 36" DIAMETER X 0.375" WALL, 36 KSI YIELD STEEL CASING PIPE (ASTM A252 GRADE 2, TYPE D CERTIFICATION) DRIVEN INTO UNDISTURBED EARTH. FRICTION REDUCTION FACTOR FOR STEEL CASING=0.75. CONCRETE TO BE PLACED IN SINGLE POUR. TOP 24" OF ALL FOUNDATIONS SHALL USE A 36" DIA. SONOTUBE FORM. SONOTUBE SHALL BE REMOVED AFTER CONCRETE IS SET AND ALL VOIDS AROUND FOUNDATION SHALL BE BACKFILLED WITH WELL COMPACTED GRANULAR MATERIAL.
  7. CONDUITS TO BE PLACED BASED ON FIELD REQUIREMENTS.
  8. TOP OF FOUNDATION ELEVATION PER PROJECT PLANS.
  9. ALL WORK SHALL CONFORM TO VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.

CONCRETE FOUNDATION DATA					
FOUNDATION ID	DIAMETER	DEPTH	LONG. BARS	TIE SPA.	CONCRETE VOL. (C.Y.)
MA1, 21' ARM, B-3	3'-0"	8'-0"	8-#8	12"	3
MA2, 34' ARM, B-4	3'-0"	10'-0"	8-#8	12"	3
MA3, 18' ARM, B-2	3'-0"	8'-6"	8-#8	12"	3
MA4, 40' ARM, B-1	3'-0"	9'-0"	8-#8	12"	3

**TRAFFIC POLE FOUNDATION DESIGN**  
**VT ROUTE 116 (MAIN ST.) & NORTH/SOUTH ST.**  
**BRISTOL HES 021-1 (28), VERMONT**  
**DRAWING NO. 259710**