



JUNCTION BOX NOTES:

1. JUNCTION BOX SHALL BE CONSTRUCTED WITH PRECAST MONOLITHIC POLYMER CONCRETE.
2. CONDUIT SIZE SHALL BE AS SHOWN ON THE PLANS.
3. EXCAVATION FOR JUNCTION BOX SHALL INCLUDE EXCAVATION OF AN AREA ONE FOOT OUTSIDE AND EXTENDING ONE FOOT BELOW THE FINISH GRADE OF THE BOTTOM OF THE JUNCTION BOX. ONE FOOT OF GRANULAR MATERIAL THAT MEETS THE REQUIREMENTS OF SUBSECTION 703.04, SHALL BE PLACED IN THE EXCAVATED AREA AND PROPERLY COMPACTED PRIOR TO INSTALLATION. COMPACTION SHALL MEET REQUIREMENTS OF SUBSECTION 301.06. WHERE NECESSARY AND AT THE DISCRETION OF THE ENGINEER, A DRAINAGE PIPE (MINIMUM 3" PERFORATED PVC) SHALL BE PROVIDED FROM THE JUNCTION BOX TO THE NEAREST APPROPRIATE OUTLET. ANY EXCAVATION AND DRAINAGE SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (JUNCTION BOX, HEAVY DUTY).
4. ALL EXPOSED METAL HARDWARE, INCLUDING PULLBOX COVERS, FRAMES AND ANGLES, SHALL BE STAINLESS STEEL.
5. A SUFFICIENT COVER GASKET SHALL BE PROVIDED TO REDUCE THE INFLOW OF FLUIDS. THE COVER GAPS SHALL BE FILLED WITH CAULKING JUST PRIOR TO PROJECT COMPLETION.
6. WHEN INSTALLING ON SLOPES, JUNCTION BOXES SHALL BE TIPPED TO MATCH THE EXISTING SLOPE UP TO A 1 ON 4 SLOPE. EXCAVATED MATERIAL SHALL BE USED TO SHAPE AROUND THE LOW SIDE OF THE BOX TO THE SATISFACTION OF THE ENGINEER AND SHALL BE MOW-ABLE. IF SUFFICIENT MATERIAL IS NOT AVAILABLE, MATERIAL MEETING THE REQUIREMENTS OF EARTH BORROW (SUBSECTION 703.02) SHALL BE USED. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO 900.620 SPECIAL PROVISION (JUNCTION BOX, HEAVY DUTY).
7. ALL COVERS SHALL BE FLUSH WITH THE BOXES AND FRAMES.
8. ALL CONDUIT ENTERING THE JUNCTION BOX THROUGH A CUTOUT SHALL HAVE BUSHINGS TO PROTECT THE CABLES.
9. ALL JUNCTION BOX COVERS SHALL BE SKID RESISTANT.
10. ALL COVERS SHALL HAVE THE LOGO PUNCHED, FORMED OR STAMPED INTO A FLAT RECTANGULAR AREA IN ACCORDANCE WITH STANDARD E-173. MINIMUM LETTER HEIGHT IS $\frac{1}{2}$ ". MINIMUM DEPTH IS $\frac{1}{16}$ ".
11. DIMENSIONS SHOWN ARE MINIMUM SIZE REQUIRED. EQUIVALENT JUNCTION BOX OF LARGER DIMENSIONS MAY BE USED.
12. LOAD RATING SHALL BE NO LESS THAN 15,000 LBS.

PROJECT NAME: SOUTH BURLINGTON-WILLISTON
PROJECT NUMBER: NH 2944(I)

FILE NAME: zild340bdrslg.dgn PLOT DATE: 2/15/2017
PROJECT LEADER: J. LITTLE DRAWN BY: P. ARMATA
DESIGNED BY: D. DEBAIE CHECKED BY: T. LUTHER
TRAFFIC SIGNAL SYSTEMS SHEET 5 SHEET 114 OF 249

