

GENERAL PROJECT NOTES (CONTINUED) :

40. THE LOCATION AND SAFE CROSSING OF ALL UTILITIES, DRAINAGE, PIPING, ETC, SHALL BE FIELD VERIFIED. HAND DIG AND POT-HOLE WHERE REQUIRED, WHEN APPROVED BY VTRANS AND LOCAL GOVERNING AGENCIES.
41. WHEN POSSIBLE AND PRACTICAL, A MINIMUM 12" SEPARATION BETWEEN CONDUIT RUNNING LINE AND FOREIGN SUBSTRUCTURES SHALL BE MAINTAINED. ANY DEVIATIONS SHALL BE EXPRESSED TO THE ENGINEER, PRIOR TO THE START OF ANY ADDITIONAL WORK. CHANGES IN WORK WILL NOT BE UNDERTAKEN UNTIL COMPLETELY DOCUMENTED FOR APPROVAL BY VTRANS AND WILL BE COMPLETED FOR NO ADDITIONAL COST TO VTRANS.
42. WHEN CROSSING EXISTING UTILITIES, INCLUDING DRAINAGE PIPES, THE NEW INSTALLATION MUST MAINTAIN A MINIMUM INSTALLATION DEPTH OF 42" TO THE TOP OF CONDUITS 5 AND 6. IF THIS MINIMUM DEPTH CAN NOT BE ACHIEVED, THE CONDUITS MUST BE PLACED BELOW THE EXISTING UTILITY. ALTERNATE SUGGESTED REMEDIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. RUNNING LINE CONDUIT INSTALLATION DEPTH OF LESS THAN 42" WILL REQUIRE MECHANICAL PROTECTION BY EITHER A CONCRETE CAP OR TWO 4" STEEL PIPES. ALL SCENARIOS LESS THAN 42" SHALL BE EXPRESSED TO THE ENGINEER, PRIOR TO THE START OF ANY ADDITIONAL WORK. CHANGES TO WORK WILL NOT BE UNDERTAKEN UNTIL COMPLETELY DOCUMENTED AND APPROVED BY VTRANS AND WILL BE COMPLETED FOR NO ADDITIONAL COST TO VTRANS.
43. UNLESS OTHERWISE NOTED, ALL PVC SHALL BE SCHEDULE 40 PVC.
44. CONSTRUCTION AS-BUILT DRAWINGS SHALL BE MAINTAINED DURING THE ENTIRE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESENTATION OF A COMPLETE AS-BUILT SET, ON REPRODUCIBLE FULL-SIZE PAPER, WITHIN SEVEN DAYS OF THE COMPLETION OF WORK.
45. ALL TRENCHES AND EXCAVATIONS MUST BE BACK FILLED AND COMPACTED DAILY.
46. STEEL PLATES MAY BE REQUIRED ON TOP OF TRENCH LINES IF THE BACK FILL TRENCH IS NOT COMPLETED - AT OWNER'S REPRESENTATIVE'S DISCRETION.
47. CONSTRUCTION FENCING SHALL BE USED TO CORDON OFF UN-RESTORED TRENCH AND FURROWS.
48. THE CONTRACTOR SHALL INSTALL PREFABRICATED HEX-PAC, OR APPROVED EQUAL OF 6X1-1/4" PVC RIGID CONDUITS, WITH 2X3 ORIENTED SPACERS AND SUPPORT TO ENSURE THE LINEAR INSTALLATION OF ALL CONDUITS DURING TRADITIONAL TRENCH AND PLACE CONSTRUCTION.
49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE FIBER OPTIC CABLE COIL IN ALL HANDHOLES, SPLICE VAULTS, REGENERATION HUTS, NODES, AND DATA CENTERS. CONTRACTOR SHALL USE VELCRO STRAPS TO SECURE FIBER OPTIC COILS NEATLY IN PLACE. ALL ADDITIONAL ITEMS REQUIRED FOR SECURING THE FIBER OPTIC CABLE COIL WITHIN HANDHOLES OR MANHOLES, MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
50. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY SWIVELS AND PULLING EYES TO ROUTE CABLES THROUGH HANDHOLES AND CABLE VAULTS.
51. THE CONTRACTOR SHALL CONDUCT FIBER OPTIC LOSS TESTS OF THE ENTIRE LENGTH OF CABLE, VIA THE APPROVED OTDR, TO DEMONSTRATE ALL FUSION SPLICE LOSSES ARE IN ACCORDANCE WITH THE ANSI/TIA-568-C.3 WITH A MAXIMUM SPLICE LOSS OF .3 dB ON A BIDIRECTIONAL AVERAGE.

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FILE NAME: z06e142GNT3.dgn PLOT DATE: 10/1/2010  
PROJECT LEADER: J. YOUNG DRAWN BY: S. GUNN  
DESIGNED BY: J. DURANTE CHECKED BY: J. YOUNG  
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