

### GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND THE ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, DATED 2002, AND ITS LATEST REVISIONS.
2. ALL WORK AND ANY ASSOCIATED ACTIVITY ON THIS PROJECT SHALL BE PERFORMED WITHIN THE PROPOSED PROJECT LIMITS AS SHOWN ON THE PLANS. ALL WORK TO BE COMPLETED WITHIN THE PROJECT LIMITS, BUT OUTSIDE OF THE RIGHT-OF-WAY SHALL BE DONE SO IN ACCORDANCE WITH TRAFFIC CONTROL NOTE 3 ON THIS SHEET.
3. DIMENSIONS, ANGLES AND ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM SURVEY INFORMATION AND LIMITED FIELD INVESTIGATION, AND MAY NOT ACCURATELY REFLECT ACTUAL FIELD CONDITIONS. ACCORDINGLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS FOR ALL STRUCTURE COMPONENTS IMPACTED BY THE WORK (EXISTING OR PROPOSED) TO ASSURE CONSISTENCY WITH THE PROPOSED MODIFICATIONS. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF THE EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. FABRICATION DRAWINGS REQUIRED FOR VARIOUS ITEMS OF THE WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS AND SHALL BE SO NOTED.
4. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
5. IT IS EXPECTED THAT CULVERT LINING, MASONRY HEADWALL REPAIRS AND STONE FILL WILL BE THE EXTENT OF THE WORK, AS NOTED ON THE PLANS. DURING THE COURSE OF CONSTRUCTION IF THE CONTRACTOR SEES AN AREA OF CONCERN, SUCH AS VOIDS AROUND THE EXISTING CULVERT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE ENGINEER SHALL MAKE A DETERMINATION AS TO THE NEED FOR FURTHER EXPLORATION.
6. THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THE OVERHEAD UTILITY LINES ARE NOT IMPACTED BY CONSTRUCTION. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION AND REQUIREMENTS.

### CONCRETE NOTES:

1. CONCRETE PAYMENT AND CLASSIFICATION WILL BE AS FOLLOWS:
  - A. FILLING VOIDS BELOW PIPE OHW FLOW LINE: ITEM 541.31, CONCRETE CLASS D
  - B. FILLING VOIDS ABOVE PIPE OHW FLOW LINE: ITEM 541.45, CONTROLLED DENSITY (FLOWABLE) FILL
2. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1 INCH BY 1 INCH, UNLESS OTHERWISE NOTED.
3. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. PAYMENT WILL BE MADE UNDER ITEM 541.0, "WATER REPELLENT", SILANE". APPLICATION RATE OF "WATER REPELLENT", SILANE" SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.  
**REPLACED CONCRETE, CLASS D AND CONTROLLED DENSITY (FLOWABLE FILL) WAS REPLACED WITH OVERHEAD/VERTICAL REPAIR MATERIAL.**

### PIPE REHABILITATION NOTES:

1. TREE REMOVAL AND TRIMMING AND TRIMMING OF TREES MUST BE COORDINATED WITH THE TOWN OF WEATHERSFIELD.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY DAMAGE THAT OCCURS TO THE SIDE SLOPES OR TOWN HIGHWAY AS A RESULT OF CONSTRUCTION ACTIVITIES.
3. THE EXISTING CULVERT SHALL REMAIN UNDISTURBED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF THE EXISTING PIPE TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL REMOVE SEDIMENT, LARGE STONES, AND/OR DEBRIS FROM THE INSIDE OF THE EXISTING CULVERT PRIOR TO INSTALLING THE NEW LINER. PAYMENT FOR THIS WORK WILL BE MADE UNDER CONTRACT ITEM 900.640, "SPECIAL PROVISION (CURED-IN-PLACE PIPE LINER) (EXISTING 72" PIPE)".
4. THE CONTRACTOR SHALL FILL ANY VOIDS BELOW THE ORDINARY HIGH WATER MARK IN THE CULVERT FROM WITHIN THE CULVERT BEFORE INSTALLING THE LINER. PAYMENT FOR THIS WORK WILL BE MADE UNDER ITEM 541.31, "CONCRETE, CLASS D".  
**USED OVERHEAD/VERTICAL REPAIR MATERIAL.**
5. THE CONTRACTOR SHALL FILL ANY VOIDS ABOVE THE ORDINARY HIGH WATER MARK IN THE CULVERT FROM WITHIN THE CULVERT BEFORE INSTALLING THE LINER. PAYMENT FOR THIS WORK SHALL BE MADE UNDER ITEM 541.45, "CONTROLLED DENSITY (FLOWABLE) FILL".  
**USED OVERHEAD/VERTICAL REPAIR MATERIAL.**
6. THE EXISTING MARBLE HEADWALLS SHALL BE RETAINED AT EACH END OF THE CULVERT. REPAIRS TO THE EXISTING HEADWALLS SHALL BE COMPLETED AS SHOWN IN THE PLANS. DURING THE COURSE OF CONSTRUCTION IF THE CONTRACTOR SEES ADDITIONAL REPAIRS THAT SHOULD BE MADE TO THE EXISTING HEADWALLS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE ENGINEER WILL MAKE A DETERMINATION IF THE ADDITIONAL REPAIRS SHALL BE MADE. THIS WORK SHALL BE PAID UNDER ITEM 602.40, "REPAIRING STONE MASONRY". ITEM 602.35, "REBUILT STONE MASONRY" OR ITEM 602.30, "REPOINTING MASONRY".
7. VOIDS LOCATED BETWEEN THE EXISTING HEADWALLS AND PIPE SHALL BE FILLED WITH FLOWABLE FILL AND/OR CONCRETE AS SHOWN ON THE PLANS. IF ADDITIONAL VOIDS ARE FOUND DURING CONSTRUCTION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE ENGINEER WILL DETERMINE IF THE VOIDS ARE REQUIRED TO BE FILLED. THIS WORK SHALL BE PAID UNDER ITEM 541.45, "CONTROLLED DENSITY (FLOWABLE) FILL" OR ITEM 541.31, "CONCRETE, CLASS D". DEPENDING UPON THE LOCATION RELATIVE TO THE OHW.

### TEMPORARY RELOCATION OF STREAM NOTES:

1. ITEM 900.645, "SPECIAL PROVISION (TEMPORARY RELOCATION OF STREAM)". SHALL BE USED TO DIVERT THE UNNAMED BROOK FLOW AROUND THE CONSTRUCTION AREA. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE PROPOSED METHOD FOR DIVERTING THE BROOK AND ALLOWING THE REPAIRS TO THE EXISTING HEADWALLS. THE INSTALLATION OF THE CIP LINER AND STONE FILL TO BE PERFORMED IN THE DRY. ANY METHOD USED SHALL BE PAID UNDER ITEM 900.645, "SPECIAL PROVISION (TEMPORARY RELOCATION OF STREAM)" AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
  - A. THE TEMPORARY PIPE HARDWARE, PUMP RENTALS AND MONITORING OF THE PUMP DIVERSION.
  - B. ANY EXCAVATION, IMPACTS OR EROSION CONTROL MEASURES NEEDED TO INSTALL THE TEMPORARY DIVERSION AND REMOVE THE TEMPORARY DIVERSION OUTSIDE THE IMPACTS SHOWN ON THE PLANS.
  - C. INCIDENTALS USED WHILE DIVERTING THE WATER TO THE TEMPORARY DIVERSION (SANDBAGS, PUMPS, ETC.)
2. THE UNNAMED BROOK SHALL BE DIVERTED DURING LOW FLOW CONDITIONS ONLY.

### TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY ACCESS TO THE CULVERT REHABILITATION SITE. ALL RESULTING DISTURBED EARTH SHALL BE STABILIZED AND RESTORED UPON COMPLETION OF CONSTRUCTION. IT HAS BEEN ASSUMED THAT A TEMPORARY ACCESS ROAD WILL NOT BE REQUIRED. THE INLET SIDE OF CULVERT SHALL BE ACCESSED UTILIZING THE EXISTING TOWN HIGHWAY AND THE OUTLET SHALL ONLY BE ACCESSED BY WORKERS ON FOOT.
2. THE AGENCY HAS OBTAINED RIGHTS FROM THE TOWN OF WEATHERSFIELD FOR TEMPORARY CONSTRUCTION ACCESS UTILIZING THE EXISTING TOWN HIGHWAY. TH 65. THE CONTRACTOR SHALL NOT GO OUTSIDE THE TEMPORARY CONSTRUCTION LIMITS DEPICTED ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE TOWN OF WEATHERSFIELD.
3. THE TOWN ROAD, TH 65, MAY BE CLOSED TO TWO-WAY TRAFFIC FOR UP TO A 72-HOUR DURATION. THE CONTRACTOR SHALL COORDINATE THE CLOSURE WITH THE TOWN MANAGER AND ADJACENT PROPERTY OWNERS A MINIMUM OF THREE WEEKS PRIOR TO THE ROAD CLOSURE. COORDINATION SHALL BE SUBSIDIARY TO ITEM 641.0 "TRAFFIC CONTROL".  
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4. FOR ALL OTHER CONSTRUCTION ACTIVITIES ON TH 65 AND VT ROUTE 131:
  - A. WORK WILL NEED TO BE COMPLETED MAINTAINING TWO-WAY ALTERNATING TRAFFIC
  - B. TEMPORARY LANE AND/OR SHOULDER CLOSURES WILL BE ALLOWED DURING WORKING HOURS ONLY.
  - C. THE HIGHWAY SHALL BE RESTORED TO FULL CAPACITY AT THE CLOSE OF DAILY CONSTRUCTION ACTIVITIES.
5. ACCESS TO ALL DRIVES SHALL BE MAINTAINED DURING CONSTRUCTION.
6. ALL TRAFFIC CONTROL MEASURES FOR THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH TYPICAL APPLICATIONS TA-1, TA-3, AND TA-10 OF THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE REFERENCED VTRANS STANDARD DRAWINGS. CONFLICTS BETWEEN THE MUTCD AND THE VTRANS STANDARD DRAWINGS SHALL DEFER TO THE MUTCD.
7. THE CONTRACTOR SHALL SUBMIT A SPECIFIC TRAFFIC CONTROL PLAN FOR THE CONSTRUCTION SITE TO THE ENGINEER FOR APPROVAL PER SUBSECTIONS 104.04 AND 105.03. THIS WORK SHALL BE SUBSIDIARY TO ITEM 641.0, "TRAFFIC CONTROL".
8. TEMPORARY BARRIER, IF USED, SHALL MEET THE REQUIREMENTS OF SECTION 621, BARRIER ENDS FACING ONGOING TRAFFIC SHALL BE TAPERED BEYOND THE CLEAR ZONE. IF NECESSARY, PAYMENT FOR FURNISHING, INSTALLING, RESETTING, AND REMOVING ANY TEMPORARY TRAFFIC BARRIER WILL BE CONSIDERED INCIDENTAL TO ITEM 641.0, "TRAFFIC CONTROL".
9. ENERGY ABSORPTION ATTENUATORS, IF USED, SHALL MEET THE REQUIREMENTS OF SECTION 621, PAYMENT FOR INSTALLING AND REMOVING ANY ENERGY ABSORPTION ATTENUATORS WILL BE CONSIDERED INCIDENTAL TO ITEM 641.0, "TRAFFIC CONTROL".
10. SIGNS, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE CLEANED WEEKLY AND THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 641.40, "TRAFFIC CONTROL".
11. TEMPORARY SIGNS LOCATED BEHIND GUARDRAIL SHALL BE INSTALLED PER STANDARDS AND SUCH THAT THE BOTTOM OF THE SIGN IS ABOVE THE HEIGHT OF THE GUARDRAIL. ALL CONSTRUCTION RELATED SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSTRUCT VISIBILITY OF EXISTING SIGNS.
12. PENDING THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY REMOVE EXISTING GUARDRAIL FOR CONSTRUCTION ACCESS. IF EXISTING GUARDRAIL IS REMOVED, TRAFFIC SHALL BE PROTECTED BY TEMPORARY BARRIER. PAYMENT FOR REMOVING AND RESETTING GUARDRAIL, FURNISHING, INSTALLING, RESETTING, AND REMOVING ANY TEMPORARY TRAFFIC BARRIER OR OTHER MATERIALS REQUIRED TO PROVIDE PROTECTION SHALL BE INCIDENTAL TO ITEM 641.40, "TRAFFIC CONTROL". THE CONTRACTOR SHALL PLACE TEMPORARY BARRIER IN A MANNER SUCH THAT IT PROTECTS TRAFFIC FROM EXPOSED ENDS OF THE BARRIER AND GUARDRAIL.
13. THE CONTRACTOR SHALL COORDINATE ANY PROPOSED TRAFFIC CONTROL MEASURES WITH ADJUTING CONSTRUCTION PROJECTS.

PROJECT NAME: WEATHERSFIELD

PROJECT NUMBER: STP 0146(II)

FILE NAME: z00d268-notes.dgn  
PROJECT LEADER: J. FITCH  
DESIGNED BY: K. RUTTER  
PROJECT NOTES

PLOT DATE: 4/22/2013  
DRAWN BY: K. RUTTER  
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SHEET II OF 14



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