

GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 2007 AND ITS LATEST REVISIONS.
2. DESIGN CRITERIA:
DESIGN LIVE LOAD = HL-93
SOIL UNIT WEIGHT = 140 PCF
FILL OVER THE ARCH = 8 FEET
3. ITEM 529.15 "REMOVAL OF STRUCTURE" SHALL BE USED FOR REMOVAL OF THE EXISTING PIPE ARCH AND CRADLES. ANY WORK REQUIRED FOR PARTIAL REMOVAL DUE TO PHASE CONSTRUCTION SHALL ALSO BE INCLUDED UNDER THIS ITEM.
4. REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE AS FOLLOWS:
SPACING +/- 1"
CLEARANCE +/- 1/4"
5. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68° F OR AS NOTED OTHERWISE.
6. THE MINIMUM COVER FOR REINFORCING STEEL IN THE FOOTINGS SHALL BE 2"
7. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".
8. JOINTS AND SCORE MARKS IN THE CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. WATER REPELLANT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE PRECAST CONCRETE ARCH.
10. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION OF THE RIVER, ESPECIALLY THE DISCHARGE OF RAW CONCRETE INTO JEWELL BROOK AS DIRECTED BY THE RESIDENT ENGINEER AND STANDARD SPECIFICATIONS SECTION 105 - CONTROL OF THE WORK.
11. THE ITEM 613.10 "STONE FILL, TYPE 1" SHALL BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER TO PREVENT EROSION BEHIND THE WING WALLS AND AS DIRECTED ON THE PLANS.
12. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE 36" PIPE UNDER TUCKERVILLE PARKWAY. ANY DAMAGE INCURRED SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
13. THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR RELOCATING THE MAIL BOX LOCATED AT STATION 2+69.35. THIS WORK SHALL BE PAID FOR UNDER ITEM 617.10 RELOCATE MAIL BOX, SINGLE SUPPORT.

TRAFFIC NOTES:

14. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION OF THE NEW ARCH BY PHASED CONSTRUCTION. SEE SHEET 10-12 AND SECTION 900 OF THE SPECIAL PROVISIONS.
15. IT WILL BE THE RESPONSIBILITY OF THE RESIDENT ENGINEER TO MAKE ADJUSTMENTS AS NEEDED TO THE TRAFFIC CONTROL PLAN DUE TO CONFLICTS WITH EXISTING SIGNS AND DRIVEWAYS. ALL SIGNS REMOVED OR COVERED BY THE CONTRACTOR SHALL BE REPLACED OR UNCOVERED WHEN THE TRAFFIC CONTROL PLAN IS DISASSEMBLED.
16. ALL ON AND OFF PROJECT SIGNS AND BARRICADES AS REQUIRED FOR THE DETOUR AND/OR ORDERED BY THE RESIDENT ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PAID FOR UNDER THE ITEM 641.10 "TRAFFIC CONTROL". ALL SIGNS AND BARRICADES SHALL BE INSPECTED DAILY AND REPAIRED AS NECESSARY. ALL SIGNS AND BARRICADES SHALL BE CLEARED OF DUST AND DEBRIS WEEKLY.
17. THE PASSING ZONES LOCATED SOUTH OF THE PROJECT WILL NEED TO BE CLOSED. THIS SHALL BE DONE BY COVERING THE DASHED YELLOW LINES WITH YELLOW TEMPORARY PAVEMENT MARKINGS. PAYMENT FOR THE MARKINGS AND THE REMOVAL OF THE MARKINGS SHALL BE INCLUDED UNDER ITEM 900.645 SPECIAL PROVISION (TEMPORARY ROADWAY) (PHASE 1). PAYMENT FOR THE RESTRIPIING OF THE PASSING ZONE AFTER THE PROJECT IS DONE SHALL BE PAID FOR UNDER ITEM 646.412 "DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC".

ARCH NOTES:

18. THE LUMP SUM COST FOR ITEM 540.10 "PRECAST CONCRETE STRUCTURE (24' X 10' X 117' ARCH) "SHALL INCLUDE PRECAST HEADWALLS, PRECAST WING WALLS, MECHANICAL CONNECTORS, ANY JOINT SEALER REQUIRED, AND ANY OTHER LABOR AND MATERIALS NECESSARY TO INSTALL THE ARCH.
19. THE ARCH SHALL BE PLACED ON CAST-IN-PLACE FOOTINGS AS SHOWN ON THE PLANS AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
20. BACKFILL AGAINST A WATERPROOFED JOINT WRAP SURFACE SHALL BE PLACED CAREFULLY -TO AVOID DAMAGE TO THE WATERPROOFING MATERIAL.
21. BACKFILLING BEHIND THE ARCH AND USE OF EQUIPMENT ON OR ADJACENT TO THE ARCH SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
22. THE FABRICATOR SHALL PROVIDE FABRICATION DRAWINGS, CONFORMING TO VAOT STANDARD SPECIFICATION SUBSECTION 105.03 AND THE APPLICABLE PROVISIONS OF SUBSECTION 540.10 AND DESIGN CALCULATIONS TO THE PROJECT MANAGER FOR WRITTEN APPROVAL PRIOR TO CONSTRUCTION.
23. NO HOLES SHALL BE DRILLED IN THE ARCH WITH OUT THE APPROVAL OF THE FABRICATOR AND THE AGENCY.
24. CARE SHALL BE TAKEN WHEN DRIVING GUARDRAIL POSTS OVER ARCH AS TO NOT DAMAGE THE ARCH WITH THE STEEL POST.
25. A TWO (2) FOOT WIDE STRIP OF MEMBRANE WATERPROOFING SHALL BE APPLIED AT EACH ARCH JOINT (TOP AND SIDES). MEMBRANE SHALL BE CENTERED ON THE JOINT AND COVER THE FULL WIDTH OF THE TOP AND FULL HEIGHT OF THE SIDES. THE SIDES SHALL BE COVERED FIRST AND THE TOP WILL FOLLOW. ANY OVERLAPPING OF MEMBRANE SHALL BE DONE IN A SHINGLE TYPE STYLE TO SHED WATER AND SHALL OVERLAP A MINIMUM OF ONE FOOT. PAYMENT FOR MEMBRANE SHALL BE UNDER ITEM 519.21 "SHEET MEMBRANE WATERPROOFING, PREFORMED SHEET".
26. THE PRECAST ARCH DETAILS ARE SHOWN FOR REFERENCE ONLY. THE ACTUAL DIMENSIONS AND CONFIGURATION WILL BE DEPENDENT ON THE FABRICATOR. THE INSIDE CLEAR DIMENSION SHALL BE 24'-0" AND THE RISE SHALL BE 10'-0".

PROJECT NAME: LUDLOW
PROJECT NUMBER: STP ST CULV (7)

FILE NAME: 00b258note.dgn	PLOT DATE: 23-SEP-2008
PROJECT LEADER: C.P. WILLIAMS	DRAWN BY: H.J. SALLS
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