

**GENERAL NOTES**

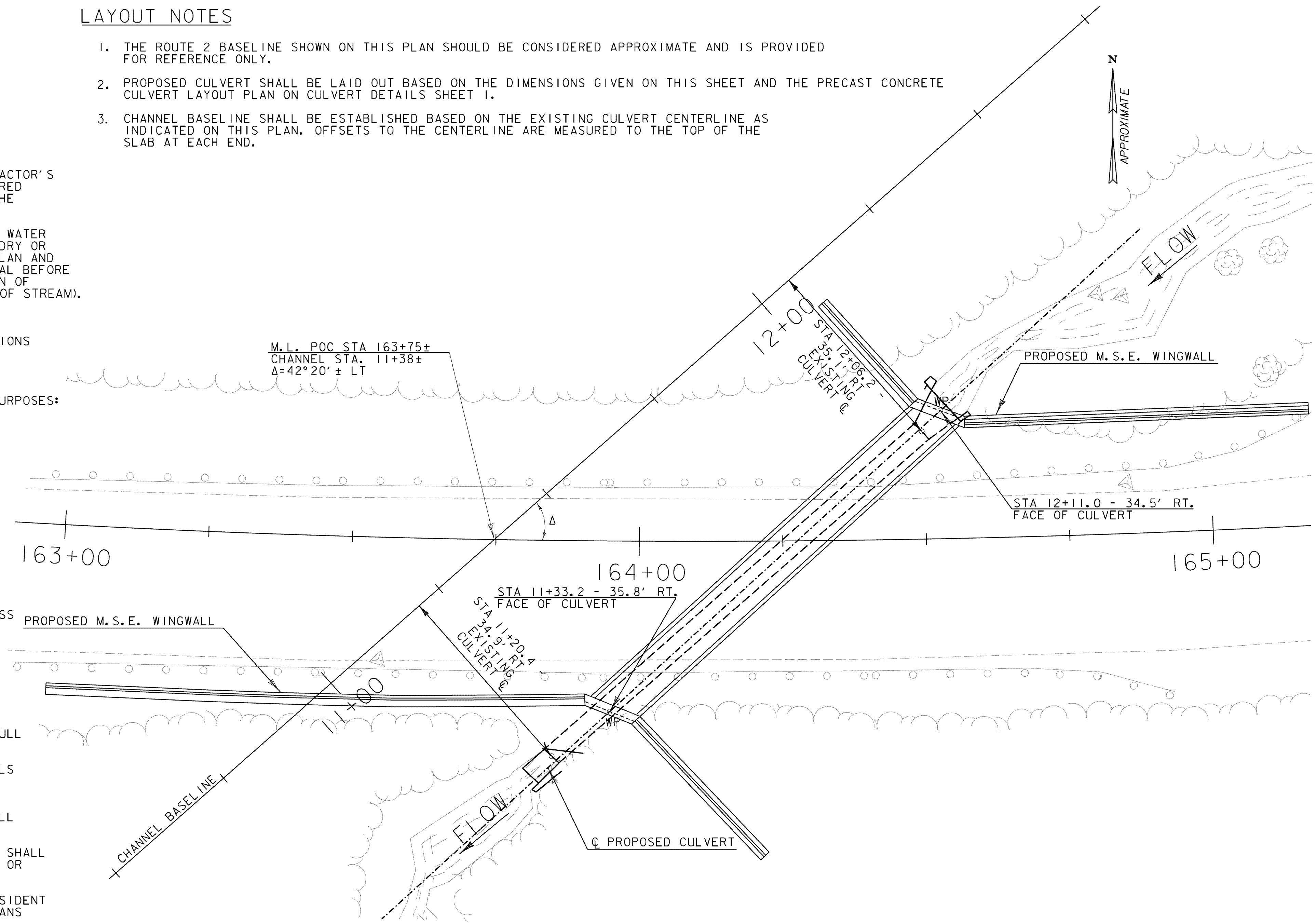
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION, AND ITS LATEST REVISIONS.
2. DESIGN IS FOR HS 25 LIVE LOADING.
3. VEHICULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THAT THE CONTRACTOR'S OPERATIONS SHALL IN NO WAY WEAKEN OR DAMAGE PROPERTY OF THE UTILITY. ANY DAMAGE TO THE PROPERTY OF THE UTILITY AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR TO THE FULL SATISFACTION OF THE OWNER OF THE UTILITY.
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY ACTIONS FOR THE ADEQUATE CONTROL OF WATER TO ALLOW FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS TO OCCUR IN THE DRY OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DEVELOP A WATER CONTROL PLAN AND A TEMPORARY RELOCATION OF STREAM PLAN AND SUBMIT TO THE ENGINEER FOR APPROVAL BEFORE COMMENCING WORK. ALL COSTS FOR THE CONTROL OF WATER AND TEMPORARY RELOCATION OF STREAM WILL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (TEMPORARY RELOCATION OF STREAM).
6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION, ESPECIALLY THE DISCHARGE OF RAW CONCRETE INTO THE EXISTING STREAMS/RIVERS AS DIRECTED BY THE RESIDENT ENGINEER AND STANDARD SPECIFICATIONS SECTION 105.
7. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68° F.
8. THE FOLLOWING TABLE OF STRESS AND WEIGHTS APPLY TO THESE PLANS FOR DESIGN PURPOSES:
 

REINFORCING STEEL, $f_y = 24,000$ PSI, GRADE 60
CONCRETE (CAST-IN-PLACE), $f'_c = 3,500$ PSI, $f_c = 1,400$ PSI
SOIL UNIT WEIGHT = 140 PCF
9. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING STEEL INSTITUTE".
10. REINFORCING PLACEMENT TOLERANCES SHALL BE:
 

SPACING: +/- 1 INCH
CLEARANCE: +/- 1/4 INCH
11. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2 INCHES ALONG BACK FACES OF WALLS AGAINST EARTH, AND 3 INCHES ELSEWHERE.
12. ALL CAST-IN-PLACE CONCRETE SHALL BE HIGH PERFORMANCE CONCRETE, CLASS B UNLESS NOTED OTHERWISE.
13. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".
14. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.
15. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
16. THE KEY IN CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT.
17. PAYMENT FOR PRECAST BAFFLES, AND DRILLING AND GROUTING TO ATTACH CUTOFF WALLS AND PRECAST BAFFLES SHALL BE INCIDENTAL TO ITEM NO. 540.10 PRECAST CONCRETE STRUCTURE.
18. WHERE LEDGE IS ABOVE THE MINIMUM BOTTOM OF FOOTING ELEVATION, THE LEDGE SHALL BE EXCAVATED DOWN TO 2'-6" MINIMUM BELOW THE TOP OF THE ABUTMENT FOOTING ELEVATION. ALL OVERBREAKAGE BELOW THIS ELEVATION SHALL BE REPLACED WITH "CONCRETE, HIGH PERFORMANCE CLASS B". A MAXIMUM OF SIX INCHES AVERAGE DEPTH SHALL BE PAID FOR AS "CONCRETE HIGH PERFORMANCE CLASS B". ANY ADDITIONAL CONCRETE OR EXCAVATION SHALL BE AT THE CONTRACTOR'S EXPENSE.
19. THE ITEMS STONE FILL, TYPE I & II SHALL BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER TO PREVENT EROSION BEHIND THE WINGWALLS AND AS INDICATED ON THE PLANS
20. BORINGS INDICATED ON THE PLANS HAVE BEEN MADE FOR DESIGN PURPOSES ONLY.

**LAYOUT NOTES**

1. THE ROUTE 2 BASELINE SHOWN ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE AND IS PROVIDED FOR REFERENCE ONLY.
2. PROPOSED CULVERT SHALL BE LAID OUT BASED ON THE DIMENSIONS GIVEN ON THIS SHEET AND THE PRECAST CONCRETE CULVERT LAYOUT PLAN ON CULVERT DETAILS SHEET 1.
3. CHANNEL BASELINE SHALL BE ESTABLISHED BASED ON THE EXISTING CULVERT CENTERLINE AS INDICATED ON THIS PLAN. OFFSETS TO THE CENTERLINE ARE MEASURED TO THE TOP OF THE SLAB AT EACH END.



LAYOUT PLAN

SCALE 1" = 10'-0"

<b>STATE OF VERMONT AGENCY OF TRANSPORTATION</b>			
Town Of	CABOT-DANVILLE	Bridge No.	85
Highway No.	U.S. ROUTE 2	Log Sta.	
		Surv. Sta.	164+27
U.S. ROUTE 2 OVER EXISTING STREAM			
GENERAL NOTES AND LAYOUT PLAN			
Designed By		Drawn By	
Checked By	Date	Bridge Design Supervisor	Date
ECA/SMV	09/22/2010	SMV	09/20/2010
PROJECT	CABOT-DANVILLE	PROJECT NO.	F 028-3(26)
L.C.C. Info.		PRINTED:	10/25/2010
Bridge Sheet No.	BRI08	Sheet	108 of 250