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STATE OF VERMONT

AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT

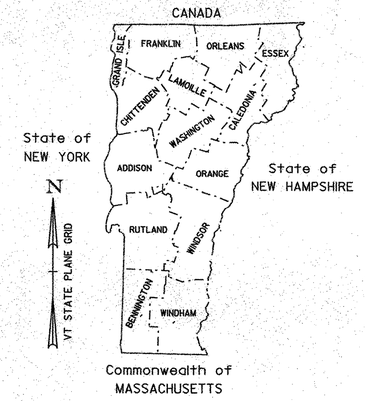
BRIDGE PROJECTS

WESTERN REGION

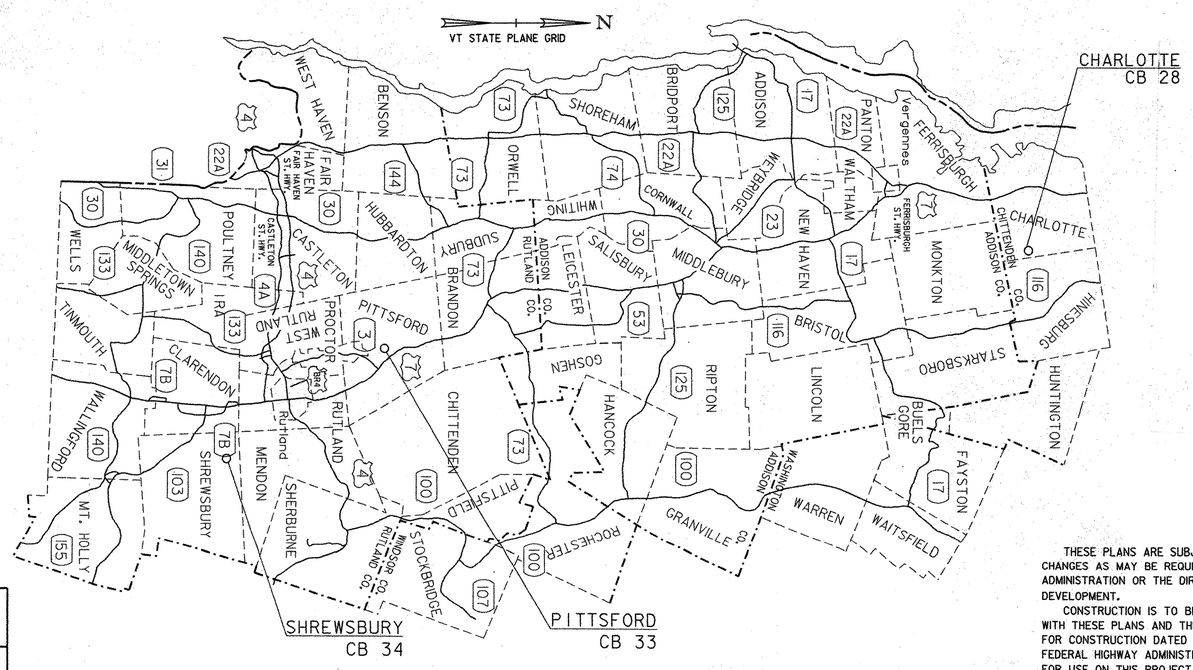
CHARLOTTE BHO 1445(31)
PITTSFORD BHO 1443(41)
SHREWSBURY BHO 1443(42)

PROJECT DESCRIPTION

REHABILITATING EXISTING STONE ABUTMENTS AND WINGWALLSS, CUTTING/TRIMMING, PROVIDING APPROACH RAILINGS, SIGNS, AND FIRE RETARDANT. OTHER MISCELLANEOUS WORK.



BUILT AS DESIGNED



CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY :
SURVEYED DATE :

DATUM
VERTICAL
HORIZONTAL

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

RECORD PLANS

CONTRACTOR: PARENT CONSTRUCTION, INC. - HINESBURG, VT
RESIDENT ENGINEER: MARK MACKINTOSH
CONSTRUCTION BEGAN: JULY 22, 2005
CONSTRUCTION COMPLETE: MARCH 24, 2006
RECORD PLANS BY: MARK MACKINTOSH

I HEREBY CERTIFY THAT ALL THE CONSTUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY _____ RESIDENT ENGINEER
DATE 8-7-07

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

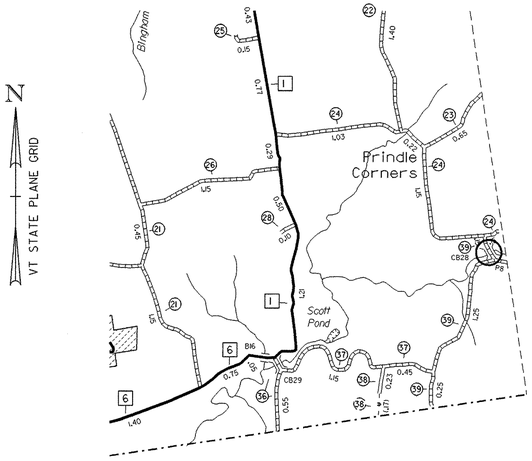
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE 3-28-05

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 3-9-05

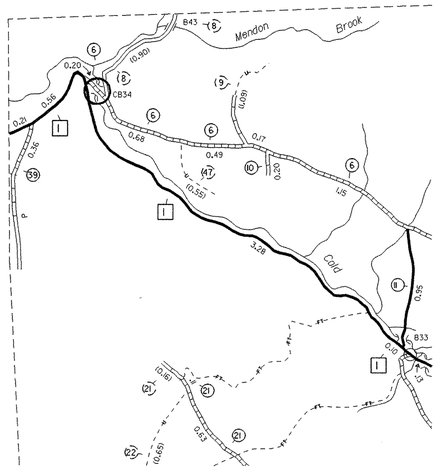
PROJECT MANAGER : J. WEAVER

PROJECTS : WESTERN REGION

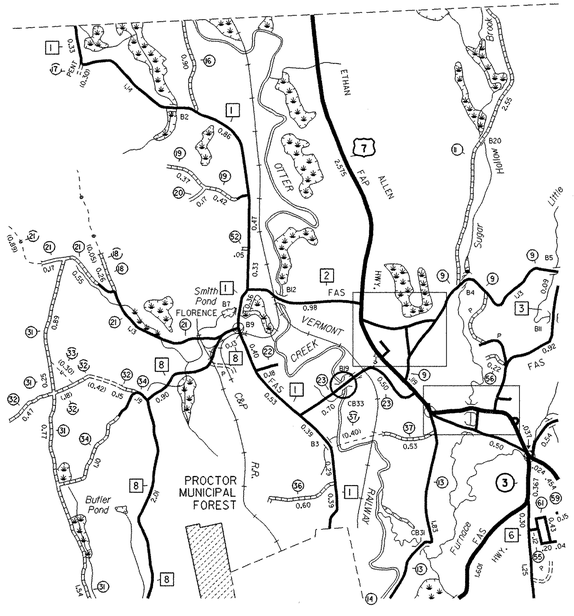
SHEET 1 OF 9 SHEETS



CHARLOTTE BHO 1445(31)
SEGUIN COVERD BRIDGE C.B. 28



SHREWSBURY BHO 1443(42)
BROWN COVERED BRIDGE C.B. 34



PITTSFORD BHO 1443(41)
DEPOT COVERED BRIDGE C.B. 33

SCALE 1: 31680

1 0 0.5 1 1.5 2

MILES

PROJECTS: WESTERN REGION	
DESIGN FILE NAME:	
IPARM FILE NAME:	PLOT DATE: 18-MAR-2005
DESIGNED BY: J. WEAVER	DRAWN BY: J. WHITE
	CHECKED BY: J. WEAVER
LOCATION MAPS SHEET	SHEET: 2 OF 9

GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVSIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002, AND ITS LATEST REVISIONS.

2. ALL INFORMATION PROVIDED IN THE PLANS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING THE WORK.

3. FOUNDATION WORK AND OTHER WORK SHALL BE AS SPECIFIED WITHIN THE PROJECT SPECIAL PROVISIONS AND OTHER CONTRACT DOCUMENTS.

4. ALL WORK IS TO BE COMPLETED WITHIN THE AVAILABLE TOWN-OWNED RIGHT-OF-WAY AS DETAILED ON SHEET 4. THE R.O.W. IS ASSUMED TO BE CENTERED ABOUT THE CENTER LINE OF THE BRIDGE OR ROADWAY. NO PROVISIONS HAVE BEEN MADE TO GO OUTSIDE THE EXISTING RIGHT-OF-WAY AND NO WORK SHALL BE PERFORMED OR PAID FOR OUTSIDE OF EXISTING TOWN-OWNED RIGHT-OF-WAY LIMITS. SHOULD THE CONTRACTOR REQUIRE ANY ADDITIONAL R.O.W. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL EASEMENTS.

5. IT IS ANTICIPATED THAT NO WORK WILL TAKE PLACE WITHIN THE STREAMBEDS. FURTHERMORE, NO CONTRACTOR OFF-ROAD VEHICLES WILL BE ALLOWED IN THE STREAMBED AREAS. FOR ANY CONTRACTOR'S REQUIRED OPERATIONS IN THE STREAM, AND ERECTING STAGING, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS.

6. GREAT CARE SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT ANY MATERIAL FROM ENTERING THE STREAMBEDS PER SECTION 105 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. ANY MATERIAL THAT DOES ESCAPE THE CONTRACTOR'S CONTAINMENT SYSTEM WILL BE RECOVERED IMMEDIATELY.

7. IT IS NOT ANTICIPATED THAT ANY UTILITIES WILL REQUIRE ADJUSTMENT. THE CONTRACTOR IS CAUTIONED TO PROTECT THESE FACILITIES FROM DAMAGE. ALL DAMAGE TO UTILITIES AS RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED AT NO COST TO THE STATE. SHOULD THE CONTRACTOR DESIRE UTILITY RELOCATIONS FOR ITS OWN BENEFIT, ALL COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. ALL WORK SHALL PROCEED IN A CAREFUL, ORDERLY MANNER SO THAT AFFECTED HISTORIC STRUCTURES ARE NOT DAMAGED IN ANY WAY. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO THE STRUCTURE AS A RESULT OF ITS OPERATIONS AT NO COST TO THE STATE. ALL DAMAGE WILL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY AND NO REPAIRS WILL BE MADE UNTIL APPROVED BY THE AGENCY.

9. ALL TRAFFIC CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO SIGNS, BARRELS,BARRICADES, CONES, BARRIERS, NECESSARY FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION WILL BE PAID UNDER ITEM 641.10 TRAFFIC CONTROL. WHILE DETOURS AS DETAILED IN STANDARD 107 WILL NOT BE ENCOUNTERED, GENERAL PLACEMENT OF APPROACH SIGNING AND "ROAD CLOSED" SIGNS WILL BE AS SHOWN ON STANDARD 107. AS CONDITIONS AT EACH SITE VARY, THE CONTRACTOR MAY CHOOSE TO SUBMIT INDIVIDUAL TRAFFIC CONTROL PLANS FOR REVIEW.

10. ALL REMOVED MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR.

11. AN ESTIMATED QUANTITY OF STRUCTURAL LUMBER AND TIMBER-UNTREATED HAS BEEN INCLUDED FOR THE REPLACEMENT OF RUNNER PLANKS AT THE PITTSFORD BHO 1443(41) BRIDGE SITE. FULL SAWN STRUCTURAL LUMBER SHALL BE USED AND PAID FOR UNDER ITEM 522.20. THE SPECIES SHALL BE WHITE OAK, NO.3 GRADE OR BETTER.

12. ESTIMATED QUANTITIES OF STRUCTURE EXCAVATION AND GRANULAR BACKFILL FOR STRUCTURES HAVE BEEN INCLUDED FOR EARTHWORK ADJACENT TO WORK REQUIRED FOR DRY RUBBLE MASONRY(MOD.) AT CHARLOTTE C.B.28, ABUTMENT #2 UPSTREAM WINGWALL.

13. WITHIN EXISTING ROW LIMITS, THINNING AND TRIMMING SHALL INCLUDE ALL WORK REQUIRED TO CUT AND TRIM TREES, STUMPS, AND VEGETATION UP TO 6 FEET FROM EXISTING ABUTMENT AND WINGWALL FACES AND IN OTHER AREAS, AS DETERMINED BY THE ENGINEER.

14. NEW HEIGHT AND WEIGHT LIMIT SIGNS SHALL BE PLACED WITHIN 100 FEET OF THE BRIDGE PORTALS, AS DIRECTED BY THE ENGINEER. ALSO, NEW ONE LANE BRIDGE SIGNS SHALL BE PLACED AT LEAST 100 FEET FROM BRIDGE PORTALS, AS DIRECTED BY THE ENGINEER.

15. BRIDGES THAT WILL BE CLOSED DURING CONSTRUCTION WORK MAY BE CLOSED TO ALL PEDESTRIAN AND VEHICULAR TRAFFIC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND PROVIDE THE TOWNS WRITTEN NOTICE A MINIMUM OF 3 WEEKS PRIOR TO THE ANTICIPATED BRIDGE CLOSURE. THE CONTACT INFORMATION FOR EACH TOWN AND OTHER PERTINENT INFORMATION ARE PROVIDED ON SHEET 4. ONCE A BRIDGE IS CLOSED ALL WORK SHALL BE PERFORMED CONTINUOUSLY TO MINIMIZE BRIDGE CLOSURE TIME.

PROJECTS:
WESTERN REGION

DESIGN FILE NAME:
IPARM FILE NAME:
DESIGNED BY: J. WEAVER
GENERAL NOTES SHEET

PLOT DATE: 18-MAR-2005
DRAWN BY: J. WHITE
CHECKED BY: J. WEAVER
SHEET: 3 OF 9

PROJECT INFORMATION

	TOWN/ PROJECT. #	COUNTY	BRIDGE NAME	BRIDGE NUMBER	ROUTE NUMBER	END TO END BRIDGE LENGTH	ESTIMATED STONE AREA **	AVAILABLE ROW	FIRE RETARDANT TO BE APPLIED TO BRIDGE	CONSTRUCTION WORK ADVANCE WARNING TO TOWN *	MUNICIPAL CONTACT FOR NOTIFICATION
1	CHARLOTTE BHO 1445(31)	CHITTENDEN	SEGUIN COVERED BRIDGE	CB 28	TH 39	71'	35 Sq. Yrds.	4 ROD	NO	3 DAYS ADVANCE WARNING OF BEGIN CONSTRUCTION REQUIRED	Hugh Lewis Jr., 1863 Ferry Road, Charlotte, VT 05445. Pager 351-3691 Tel. (802) 426-2223
2	PITTSFORD BHO 1443(41)	RUTLAND	DEPOT COVERED BRIDGE	CB 33	TH 23	121'	33 Sq. Yrds.	3 ROD	YES	5 DAYS ADVANCE WARNING OF BEGIN CONSTRUCTION REQUIRED	Shauna Erickson, Pittsford, VT 05763 Tel. (802) 483-6886
3	SHREWSBURY BHO 1443(42)	RUTLAND	BROWN COVERED BRIDGE	CB 34	TH 6	112'	54 Sq. Yrds.	3 ROD	YES	30 DAYS ADVANCE WARNING OF BEGIN CONSTRUCTION REQUIRED	Herb Cararra, Road Commissioner, 60 Birch Lane, Shrewsbury, VT 05738 Tel. (802) 492-3306

* SEE GENERAL NOTE 15

** INCLUDES AREA WHERE DRY RUBBLE MASONRY IS TO BE RECONSTRUCTED.

PROJECTS:
WESTERN REGION

DESIGN FILE NAME:
IPARM FILE NAME:
DESIGNED BY: J. WEAVER
BRIDGE INFORMATION SHEET

PLOT DATE: 18-MAR-2005
DRAWN BY: J. WHITE
CHECKED BY: J. WEAVER
SHEET: 4 OF 9

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

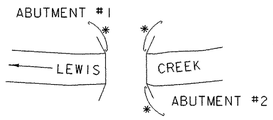
SUMMARY OF ESTIMATED QUANTITIES			TOTALS				DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
CHARLOTTE BHO 1445(31)	PITTSFORD BHO 1443(41)	SHREWSBURY BHO 1443(42)	BRIDGE QUANTITY	ROUND	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS
0.01	0.01	0.01	0.03		0.03		ACRE	THINNING AND TRIMMING	201.30			
3	-	-	3		3		CY	STRUCTURE EXCAVATION	204.25			
3	-	-	3		3		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30			
-	0.50	0.50	1		1		LS	STRUCTURAL PAINTING, FIELD APPLIED (MOD.-FIRE RETARDANT)	513.30			
-	0.50	0.50	1		1		LS	CONTAINMENT & ENVIRONMENTAL PROTECTION, FIELD (MOD.-FIRE RETARDANT)	513.36			
-	0.100	-	0.100		0.100		MFBM	STRUCTURAL LUMBER AND TIMBER - UNTREATED	522.20			
5	1	-	6		6		CY	DRY RUBBLE MASONRY (MOD.)	602.20			
30	32	54	116		116		SY	REPOINTING MASONRY (MOD.)	602.30			
-	-	25.5	25.5		25.5		LF	PLANK RAIL	621.15			
-	-	69.3	69.3		69.3		LF	PLANK RAIL (MOD.)*	621.15			
3	-	-	3		3		EA	REPLACE GUARD RAIL BEAM UNIT	621.77			
-	-	72	72		72		LF	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80			
5	10	5	20		20		HR	FLAGGERS	630.15			
0.33	0.33	0.34	1.00		1.00		LS	MOBILIZATION/DEMOBILIZATION	635.11			
0.30	0.40	0.30	1.00		1.00		LS	TRAFFIC CONTROL	641.10			
20	-	-	20		20		SY	GEOTEXTILE FOR SILT FENCE	649.51			
5	-	-	5		5		LB	SEED	651.15			
5	-	-	5		5		LB	FERTILIZER	651.18			
4	-	-	4		4		EACH	HAY BALES FOR EROSION CONTROL	651.26			
1	-	-	1		1		CY	TOPSOIL	651.35			
0.33	0.34	0.33	1.00		1.00		LU	MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN (N.A.B.I.)	652.30			
25.0	22.5	65.0	112.50		112.50		SF	TRAFFIC SIGNS, TYPE A	675.20			
44	44	110	198		198		LF	FLANGED CHANNEL SIGN POST	675.301			

* NOTE: THE QUANTITY OF PLANK RAIL (MOD.) HAS BEEN FACTORED BY 1.4.

PROJECTS: **Western Region**

FILE NAME: **0**
PROJECT MANAGER: **0**
DESIGNED BY: **J. WEAVER**
QUANTITY SHEET

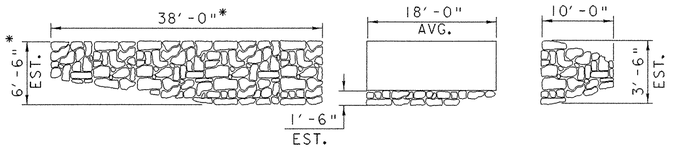
PLOT DATE: **3/8/2005**
DRAWN BY: **J. WHITE**
CHECKED BY: **J. WEAVER**
SHEET **5** OF **9**



* LIMITS OF REPLACE GUARD RAIL BEAM UNIT = 25'-0" EACH LOCATION, WEATHERING STEEL BEAM.

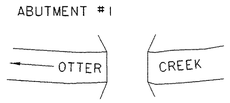
SCHEMATIC PLAN

* NOTE: REBUILD AREA @ END OF WINGWALL: EST. 5'-0" × 8'-0"



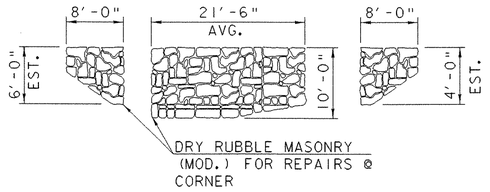
ABUTMENT #2 ELEVATIONS

CHARLOTTE BHO 1445(31) C.B. 28 DETAILS



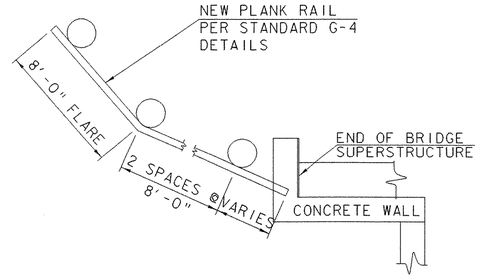
ABUTMENT #2

SCHEMATIC PLAN



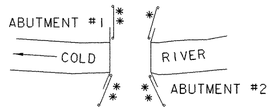
ABUTMENT #1 ELEVATIONS

PITTSFORD BHO 1443(41) C.B. 33 DETAILS



RAILING PLAN @ ABUTMENT #1 UPSTREAM

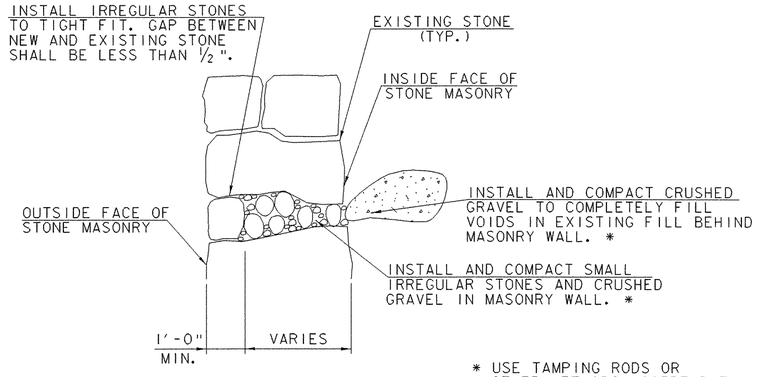
N.T.S.



* LIMITS OF PLANK RAIL

** LIMITS OF PLANK RAIL (MOD.)

SCHEMATIC PLAN



* USE TAMPING RODS OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.

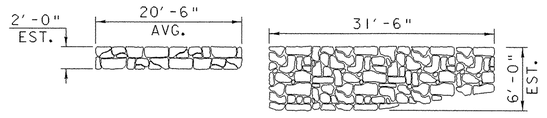
CHINKING DETAIL**

N.T.S.

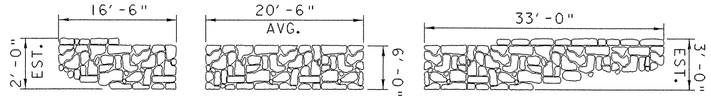
** FOR FURTHER INFORMATION SEE SECTION 602 OF THE PROJECT SPECIAL PROVISIONS.

NOTES:

1. ALL DETAILS ARE SCHEMATIC AND NOT TO SCALE.
2. ABUTMENT #2 IS LOCATED ON THE FAR SIDE OF THE STRUCTURE, WITH UPSTREAM TO THE LEFT OF THE VIEWER.
3. ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.



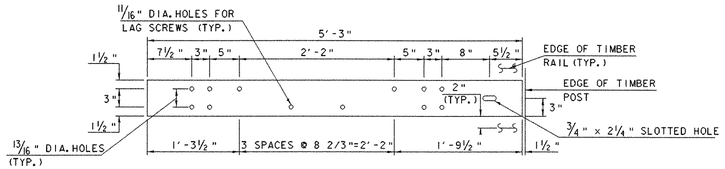
ABUTMENT #2 ELEVATIONS



ABUTMENT #1 ELEVATIONS

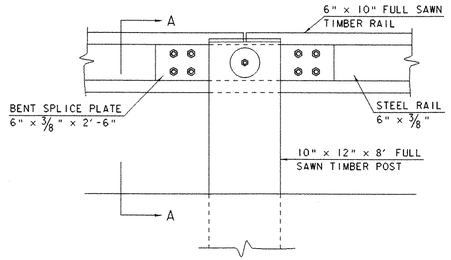
SHREWSBURY BHO 1443(42) C.B. 34 DETAILS

PROJECTS: WESTERN REGION	
DESIGN FILE NAME:	
IPARM FILE NAME:	PLOT DATE: 18-MAR-2005
DESIGNED BY: J. WEAVER	DRAWN BY: J. WHITE
	CHECKED BY: J. WEAVER
DETAIL SHEET 1	SHEET: 6 OF 9



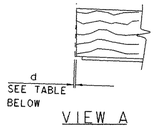
STEEL END RAIL DETAIL

6" x ⅜" x 5'-3"



POST CONNECTION ELEVATION

(TYPICAL INTERIOR CONNECTION)



VIEW A

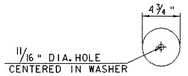
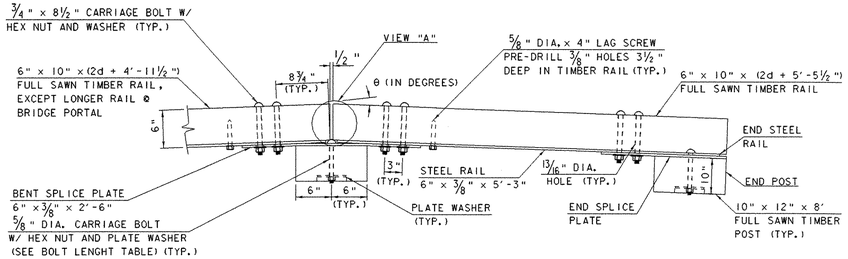
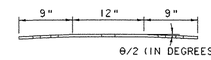


PLATE WASHER DETAIL

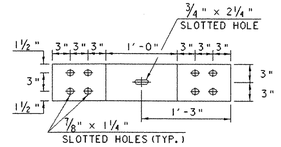
4¾" DIA. x ¼"



POST CONNECTION PLAN



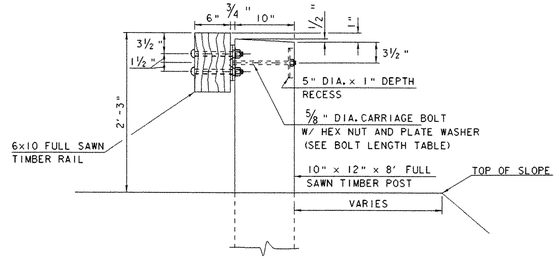
SIDE VIEW



BENT SPLICE PLATE DETAIL

6" x ⅜" x 2'-6"

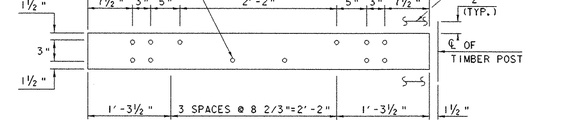
(END SPLICE PLATE SIMILAR)



SECTION A-A

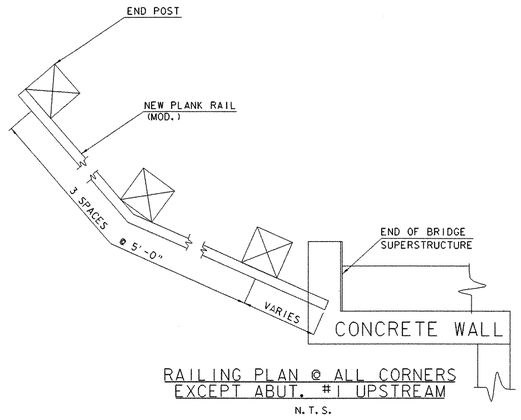
NOTES

1. FURNISH SHOP BENT SPLICE PLATES. USE THE MINIMUM BEND ANGLE SHOWN IN THE TABLE BELOW.



STEEL RAIL DETAIL

6" x ⅜" x 4'-9"



RAILING PLAN @ ALL CORNERS EXCEPT ABUT. #1 UPSTREAM

N.T.S.

STEEL-BACKED TIMBER GUARDRAIL NOTES

1. THE STEEL-BACKED TIMBER GUARD RAIL SHALL BE PAID FOR UNDER ITEM 621.15, PLANK RAIL (MOD.). THE QUANTITY MEASURED FOR PAYMENT SHALL BE ALONG THE FACE OF RAIL, INCLUDING TERMINAL SECTIONS.
2. THE POSTS AND THE TIMBER RAIL ELEMENTS SHALL CONFORM TO VAOT STANDARD SPECIFICATIONS SECTION 728.01 AND 728.02. IN ADDITION, ALL TIMBER USED IN THE RAIL SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 1450 PSI.
3. THE STEEL RAILS AND SPLICE PLATES SHALL CONFORM TO AASHTO M270 M/M 270 GRADE 50 STEEL AND BE GALVANIZED PER AASHTO M111M/M111 SPECIFICATIONS.
4. ALL BOLTS AND LAG SCREWS SHALL CONFORM TO ASTM A307 GRADE A. ALL WASHERS SHALL CONFORM TO ASTM F844. ALL NUTS SHALL CONFORM TO AASHTO M291. ALL FASTERNER HARDWARE SHALL BE GALVANIZED ACCORDING TO AASHTO M232.
5. DRIVE POSTS INTO PILOT HOLES THAT ARE PUNCHED OR DRILLED. THE DIMENSIONS OF THE PILOT HOLE SHALL NOT EXCEED THE DIMENSIONS OF THE POST BY MORE THAN 1 INCH. SET THE POSTS PLUMB, BACKFILL AND COMPACT.
6. IF AN IMPENETRABLE HOLE IS ENCOUNTERED WHILE PLACING POSTS, ENLARGE THE HOLE TO PROVIDE NOT LESS THAN 6 INCHES CLEARANCE ON ALL SIDES, AND TO A MINIMUM DEPTH OF 2.5 FEET. SET THE POST IN CONCRETE TO WITHIN 6 INCHES OF THE TOP OF THE HOLE. BACKFILL AND COMPACT THE REMAINING 6 INCHES WITH AN ACCEPTABLE MATERIAL.
7. FIELD CUT TIMBER RAILS TO PRODUCE A CLOSE FIT AT ALL JOINTS. TREAT FIELD CUTS WITH APPROVED TREATMENT AS DETERMINED BY THE RESIDENT ENGINEER.

LAYOUT RADIUS R @ FACE OF RAIL (FT.)	θ/2 (DEGREES)	d (INCHES)
25	5.74	5/8"
30	4.78	1/2"
35	4.10	7/16"
38	3.77	3/8"
40	3.58	3/8"
45	3.18	5/16"
50	2.86	5/16"
55	2.60	1/4"
60	2.40	1/4"
65	2.20	1/4"
70	2.05	1/4"
OVER 70	FLAT	0

(NO BLOCK-OUT)
0'-11"

BOLT LENGTH FOR RAIL/POST CONNECTION

SHREWSBURY BHO 1443(42)
C.B.34 DETAILS

(CONTINUED)

PROJECTS: WESTERN REGION	
DESIGN FILE NAME:	
IPARM FILE NAME:	PLOT DATE: 18-MAR-2005
DESIGNED BY: J. WEAVER	DRAWN BY: J. WHITE
	CHECKED BY: J. WEAVER
DETAIL SHEET 2	SHEET: 7 OF 9

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

LOCATION	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	NEW SIGN POSTS: FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	1.88	2.16	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0	3.5	4.0	5.0 lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																																
SHREWSBURY CB 34	COVERED BRIDGE RESTRICTIONS HEIGHT 8'-11" WEIGHT 16,000 LBS	2	60	36	15.0						3			×																											THESE SIGNS ARE TO BE PLACED NEAR THE INTERSECTIONS OF TH 16 WITH ADJOINING TOWN HIGHWAYS, AS DIRECTED BY THE ENGINEER.	7	SEE BELOW
CHARLOTTE CB 28 PITTSFORD CB 33 SHREWSBURY CB 34	ONE LANE BRIDGE AHEAD	2 2 2	30	30	6.25						1			×																											W5 - 3	7	SEE BELOW
CHARLOTTE CB 28	*	2 0 2	30	30	6.25						1			×																											*** W12 - 2	X	E-155
PITTSFORD CB 33 SHREWSBURY CB 34	LEGAL LOAD LIMIT ** POUNDS	0 2 2	24	30	5.00						1			×																											*** VR - 017	X	E-141

W5-3

SIGN	DIMENSIONS(INCHES) A	B	C	D	E	F	G	H	J
MIN.	30	1/2	3/4	5C	3 1/4	13 5/16	12 11/16	9 1/8	1 7/8
STD.	36	5/8	7/8	6C	4	16	15 1/4	11 1/2	2 1/4
SPECIAL	48	3/4	1 1/4	8C	5	21 1/4	20 1/4	15 3/8	3

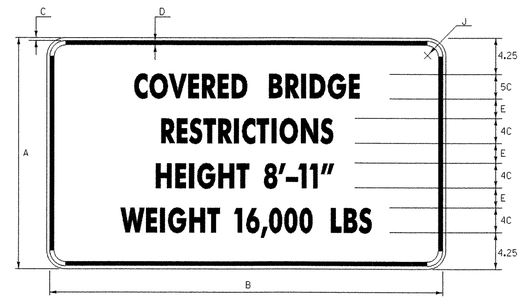
COLORS
LEGEND-BLACK (NON - REFL)
BACKGROUND - YELLOW (REFL)

* 12'-0" CHARLOTTE CB 28
8'-11" SHREWSBURY CB 34

** 16,000LB. PITTSFORD CB 33
16,000LB. SHREWSBURY CB 34

*** MOUNT ON SAME POST

NOTE: SIGNS AND POSTS SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM 675.20, TRAFFIC SIGNS, TYPE A, AND ITEM 675.301, FLANGED CHANNEL SIGN POST.



COLORS
LEGEND-BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)

DIMENSIONS(INCHES) A	B	C	D	E	F	G	H	J
36	60	1/2	3/4	3 3/8				1 7/8

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

TOTALS	SF	SF	EA.	SF	FT FT FT	FT FT FT	EA	FT	FT	LB	EA.	LB LB LB LB	LB LB LB LB	EA.	EA.	LB
CHARLOTTE CB 28	25.0							44								
PITTSFORD CB 33	22.5							44								
SHREWSBURY CB 34	65.0							110								

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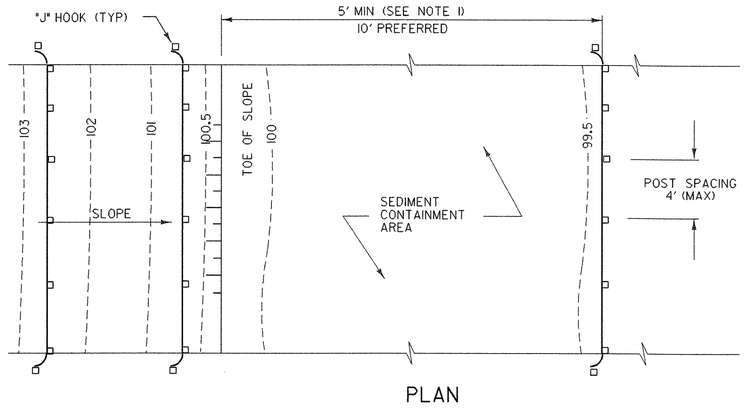
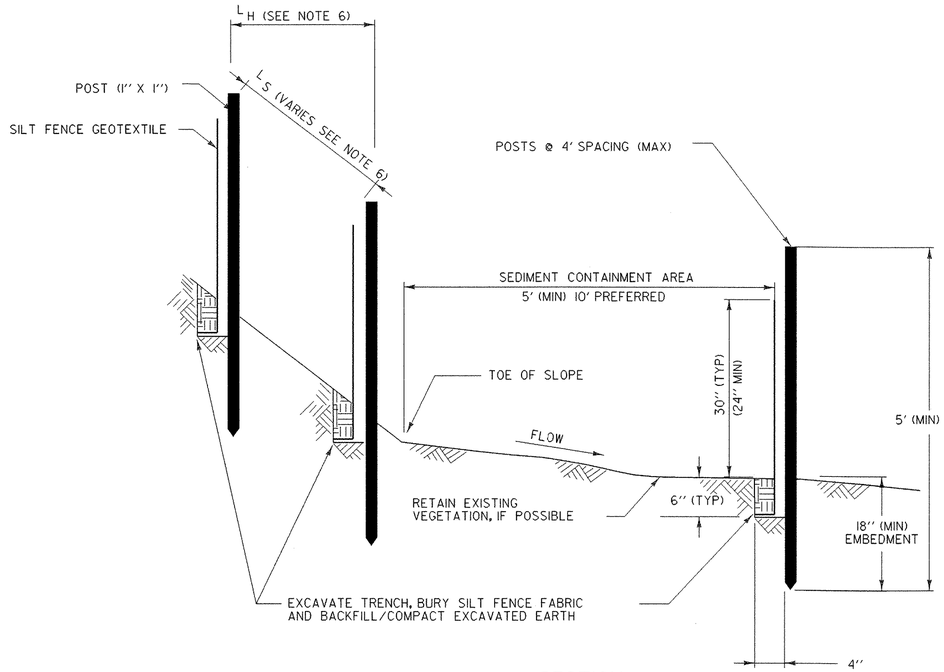
SHEET: 8 OF 9



PLAN



SECTION

SILT FENCE - TEMPORARY

SILT FENCE

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF SILT FENCE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.

B. SILT FENCE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). IT MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM, AS SHOWN IN THE DETAIL.

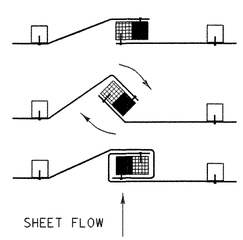
C. SILT FENCE SHALL NOT BE USED ACROSS CONCENTRATED FLOW.

GENERAL NOTES:

1. SILT FENCE SHALL GENERALLY BE PLACED A MINIMUM OF 5 FEET BEYOND TOE OF SLOPE, 10 FEET PREFERRED, TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF SEDIMENT CONTAINMENT AREA.
2. ALL ENDS SHALL BE "J" HOOKED TO TRAP SEDIMENT.
3. IN AREAS WITH TWO SLOPES, SILT FENCE SHALL BE USED TO ERECT A DAM AND TRAP SEDIMENT AT THE BASE OF THE STEEPER SLOPE.
4. THE BOTTOM EDGE OF SILT FENCE SHALL BE BURIED A MINIMUM OF 6 INCHES BELOW GROUND, AND KEYED IN 4 INCHES. THE FENCE SHALL BE INSTALLED WITH THE POSTS ON THE DOWNSTREAM SIDE OF THE FABRIC.
5. MAXIMUM DRAINAGE AREA TRIBUTARY TO 100 FEET OF SILT FENCE SHALL BE 0.25 ACRES.
6. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS FOR THESE MEASURES:

CONSTRUCTED SLOPE	SLOPE LENGTH (LS) FT	HORIZONTAL LENGTH (LH) FT
3 : 1	80	75
4 : 1	130	125
5 : 1	200	200
> 5 : 1	250	250

7. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE.
8. MEASURES SHALL BE CLEANED AND REPAIRED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
9. SILT FENCE SHALL BE REMOVED WHEN THE AREA HAS BEEN STABILIZED. AT TIME OF REMOVAL OF THE SILT FENCE, THE DISTURBED AREA SHALL BE REPAIRED AND STABILIZED.
10. PAYMENT FOR INSTALLATION AND REMOVAL OF SILT FENCE SHALL BE MADE UNDER THE GEOTEXTILE FOR SILT FENCE ITEM.
11. PAYMENT FOR MONITORING AND MAINTAINING SILT FENCE SHALL BE MADE UNDER THE MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN (N.A.B.I.) ITEM, UNLESS MAINTENANCE IS REQUIRED DUE TO POOR INSTALLATION PRACTICES.



1. PLACE THE END POST OF ONE FENCE INSIDE THE END POST OF THE OTHER FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL
3. DRIVE BOTH POSTS 18 INCHES INTO THE GROUND AND BURY THE FLAP IN THE TRENCH.

SPLICING DETAIL

EROSION PREVENTION & SEDIMENT CONTROL DETAILS SILT FENCE

EPSC-1

PROJECTS: WESTERN REGION

DESIGN FILE NAME:
IPARM FILE NAME:
DESIGNED BY: J. WEAVER
SILT FENCE

PLOT DATE: 18-MAR-2005
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SHEET: 9 OF 9