

STATE OF VERMONT AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT


RAIL TRAIL PROJECT – MISSISQUOI VALLEY RAIL TRAIL (MVRT) IN THE TOWNS OF ST. ALBANS, SWANTON, FAIRFIELD, SHELDON, ENOSBURG, BERKSHIRE, AND RICHFORD; AND BEEBE SPUR RAIL TRAIL IN THE TOWNS OF NEWPORT AND DERBY

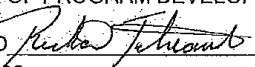
FRANKLIN COUNTY AND ORLEANS COUNTY

TOTAL PROJECT LENGTH = 30.16
MISSISQUOI VALLEY RAIL TRAIL – 26.33 MILES
BEEBE SPUR RAIL TRAIL – 3.83 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES PREPARING THE EXISTING SURFACE, APPLYING A GEOTEXTILE FABRIC TO THE EXISTING TRAIL SURFACE (MVRT ONLY), RESURFACING THE TRAIL WITH A NEW AGGREGATE SURFACE, INSTALLATION OF DETECTABLE WARNINGS AT ROAD CROSSINGS AND NEW SIGNS.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 15, 2006 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:	G.W. TATRO CONSTRUCTION, INC. JEFFERSONVILLE, VERMONT
RESIDENT ENGINEER:	JEFF COTA
CONSTRUCTION BEGAN:	APRIL 19, 2010
CONSTRUCTION COMPLETED:	DECEMBER 12, 2010
RECORD PLANS BY:	JEFF COTA & AMOS KEMPTON
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	 , RESIDENT ENGINEER
DATE:	8/3/11
NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND ON MICROFILM IN CENTRAL FILES.	

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED  DATE 10-8-09
PROJECT MANAGER: JON KAPLAN
PROJECT STATEWIDE STP NWRT(1)
SHEET 1 OF 20 SHEETS

VAOT STANDARDS

C-3A SIDEWALK RAMPS 3/10/08
E-164 SQUARE STEEL SIGN POST 6/8/09
F-2 CHAIN LINK FENCE (TYPE I) 6/1/94
F-4 CHAIN LINK FENCE (TYPE II) 6/1/94

INDEX OF SHEETS

1 TITLE SHEET
2 - 4 INDEX OF SHEETS AND GENERAL NOTES
5 QUANTITY SHEET
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10 TRAFFIC SIGN SUMMARY SHEET
11 - 13 MISSISQUOI VALLEY RAIL TRAIL LAYOUT SHEETS (REFERENCE ONLY)
14 - 20 BEEBE SPUR RAIL TRAIL LAYOUT SHEETS (REFERENCE ONLY)

NOTES:

1. ALL TRAFFIC CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO SIGNS, BARRELS, BARRICADES, CONES AND BARRIERS, NECESSARY FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION WILL BE PAID UNDER ITEM 641.10, TRAFFIC CONTROL. ALL CONSTRUCTION SIGNING WILL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO BE APPROVED BY THE ENGINEER.
2. ALL WORK IS WITHIN EXISTING STATE OF VERMONT RIGHT-OF-WAY AND SHALL BE DONE WITHIN THE EXISTING TRAIL LIMITS UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG-SAFE FOR AREAS WHERE EXCAVATION IS PROPOSED.
4. THE CONTRACTOR SHALL NOT DISTURB OR REMOVE ANY EXISTING RAILROAD MILEAGE MARKERS ENCOUNTERED ALONG THE PROJECT.
5. DETECTABLE WARNING SURFACES SHALL BE CAST IRON.
6. ANY GRASS OR OTHER VEGETATION GROWING WITHIN THE 10 FOOT SURFACE WIDTH OF THE PATH WHICH MAY HAMPER THE PLACEMENT OF EITHER THE GEOTEXTILE FOR ROADBED SEPARATOR OR THE AGGREGATE SURFACE COURSE SHALL BE REMOVED BY THE CONTRACTOR BY MECHANICAL MEANS, AS DIRECTED BY THE ENGINEER. THE USE OF HERBICIDES IS NOT PERMITTED. THIS WORK WILL BE PAID AS ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
7. THE QUANTITY FOR TRAFFIC SIGNS, TYPE A AND SQUARE TUBE SIGN POST AND ANCHOR WERE ESTIMATED. AT ALL LOCATIONS WHERE THE TRAIL CROSSES A PUBLIC ROAD, A STOP SIGN SHALL BE LOCATED ON EACH TRAIL APPROACH TO THE ROAD. THE CONTRACTOR SHALL VERIFY THE PRESENCE OF STOP SIGNS IN THE FIELD AT EACH PUBLIC ROAD CROSSING AND SHALL INSTALL NEW SIGNS WHERE THEY ARE MISSING OR AS DIRECTED BY THE ENGINEER.

INDEX OF SHEETS & GENERAL NOTES #1	PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
	PROJECT LEADER: JON KAPLAN CHECKED BY: SUE SCRIBNER SHEET 2 OF 20

NOTES (CONTINUED):

8. THE CONTRACTOR SHALL USE EXISTING PUBLIC ROAD/TRAIL INTERSECTIONS TO ACCESS THE TRAIL WITH EQUIPMENT AND MATERIALS. NO NEW ACCESS TO THE TRAIL SHALL BE CREATED BY THE CONTRACTOR. WHERE THE ENGINEER DETERMINES THAT A STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED TO SAFELY ACCESS THE TRAIL AND AVOID DAMAGE TO EXISTING ROADS, A VEHICLE TRACKING PAD SHALL BE CONSTRUCTED. INLET PROTECTION DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. THE ENGINEER WILL DETERMINE AREAS TO BE REVEGETATED. THE SEED MIX (PERCENTAGE BY WEIGHT) FOR REVEGETATION SHALL BE 42.5% CREEPING RED FESCUE, 10% PERENNIAL RYE GRASS, 42.5% KENTUCKY BLUE GRASS AND 5% ANNUAL RYE GRASS. SEED SHALL BE APPLIED AT A RATE OF 2 LBS/1000 SF. FERTILIZER SHALL BE 10-10-10 MIX APPLIED AT THE RATE OF 10 LBS/1000 SF AND HAY MULCH SHALL BE APPLIED AT THE RATE OF 100 LBS/1000 SF.
9. ON THE BEEBE SPUR RAIL TRAIL, AT APPROXIMATELY RAILROAD MILEMARKER 37.11 TO 37.09, REMOVE 60 FEET OF EXISTING 4' CHAINLINK FENCE ON THE WEST SIDE OF THE TRAIL. INSTALL NEW 4' BLACK VINYL COATED CHAIN LINK FENCE AND POSTS IN THE SAME LOCATION WITH NEW BRACING ASSEMBLIES ON EACH END.
10. FOR EACH SECTION OF TRAIL UNDER CONSTRUCTION, THE CONTRACTOR SHALL INSTALL "TRAIL CLOSED" SIGNS AT ALL PUBLIC ROAD CROSSINGS WITHIN THE SECTION THAT WILL BE CLOSED AND AT EITHER END OF THAT SECTION. THESE SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE TRAFFIC CONTROL ITEM.
11. IT IS ANTICIPATED THAT LESS THAN 1 ACRE OF EARTH DISTURBANCE WILL OCCUR DURING PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR'S OPERATIONS RESULT IN MORE THAN 1 ACRE OF EARTH DISTURBANCE, THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL PERMITTING WITH THE AGENCY OF NATURAL RESOURCES (ANR) VIA FILING A JOINT NOTICE OF INTENT WITH THE STATE FOR COVERAGE UNDER THE APPROPRIATE CONSTRUCTION GENERAL PERMIT (I.E. CGP-3-9020 (2006) OR INDIVIDUAL PERMIT) PRIOR TO SUCH DISTURBANCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY NECESSARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES NEEDED TO SATISFY ANY SUCH PERMIT REQUIREMENTS. HOWEVER, IT SHOULD BE NOTED THAT THE CONTRACTOR IS ALWAYS RESPONSIBLE FOR ENSURING THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL TECHNIQUES ARE USED DURING CONSTRUCTION. GUIDANCE ON EROSION PREVENTION AND SEDIMENT CONTROL CAN BE FOUND IN ANR'S PUBLICATIONS ENTITLED "THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL" AND THE "VERMONT EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE."

INDEX OF SHEETS & GENERAL NOTES #2	PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
	PROJECT LEADER: JON KAPLAN CHECKED BY: SUE SCRIBNER SHEET 3 OF 20

DETECTABLE WARNING SURFACES SHALL BE INSTALLED AT ALL PUBLIC ROAD CROSSINGS BY EXCAVATING OUT EXISTING MATERIAL AS SHOWN ON DETAIL SHEET #2 AND PLACING 5" PCC SIDEWALK (PAY ITEM 618.10) AND THE DETECTABLE WARNING SURFACE. DETECTABLE WARNING SURFACE SHALL BE PLACED ON BOTH SIDES OF EACH PUBLIC ROAD CROSSING. THE PUBLIC ROAD CROSSING LOCATIONS ARE AS IDENTIFIED IN THE TWO TABLES BELOW.

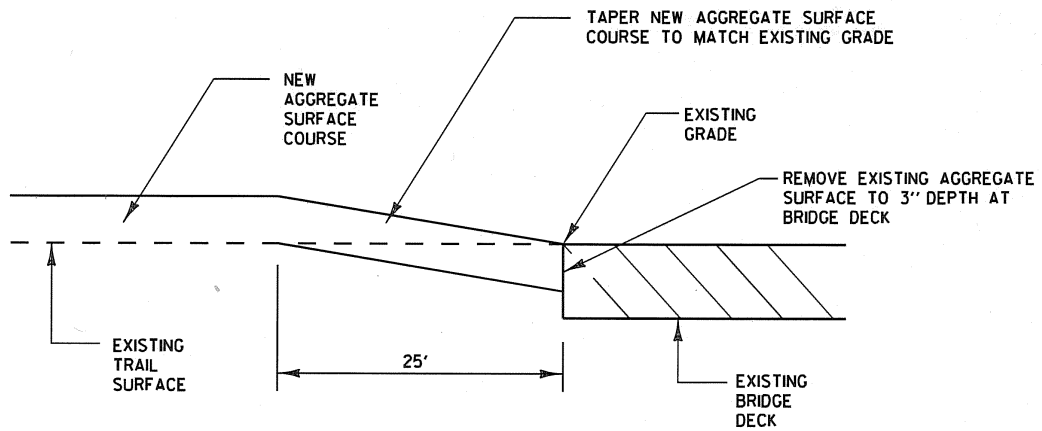
PUBLIC ROAD CROSSINGS – MISSISQUOI VALLEY RAIL TRAIL

RAIL TRAIL MILEMARKER	ROAD IDENTIFICATION	RAIL TRAIL MILEMARKER	ROAD IDENTIFICATION
0.00	VT ROUTE 105	16.57	ARCHEMBAULT STREET
1.87	TOWN HIGHWAY #37	16.70	PLEASANT STREET
3.15	VT ROUTE 105	17.96	TOWN HIGHWAY #40
5.41	TOWN HIGHWAY #5	18.86	VT ROUTE 105
6.82	TOWN HIGHWAY #28	19.34	VT ROUTE 105
7.35	VT ROUTE 105	20.28	VT ROUTE 105
7.41	TOWN HIGHWAY #28	20.38	TOWN HIGHWAY #9 (LONGE ROAD)
7.49	TOWN HIGHWAY #1	21.10	VT ROUTE 105
8.34	TOWN HIGHWAY #21	21.56	VT ROUTE 105
8.59	VT ROUTE 105	21.64	TOWN HIGHWAY #5 (RUBLEE ROAD)
8.96	TOWN HIGHWAY #41 (HOTEL ROAD)	21.87	TOWN HIGHWAY #41
9.25	TOWN HIGHWAY #40	21.98	VT ROUTE 105
11.35	TOWN HIGHWAY #3	22.59	TOWN HIGHWAY #46 (RIVER ROAD)
11.65	VT ROUTE 105	23.13	TOWN HIGHWAY #46 (RIVER ROAD)
13.40	VT ROUTE 236	23.28	TOWN HIGHWAY #43 (NUTTINGS ROAD)
13.88	VT ROUTE 105	23.80	TOWN HIGHWAY #42 (LADD STREET)
15.83	VT ROUTE 105	25.53	TOWN HIGHWAY #18 (HARDWOOD HILL ROAD)
16.37	BISMARCK STREET		
16.48	VT ROUTE 105		

PUBLIC ROAD CROSSINGS – BEEBE SPUR RAIL TRAIL

RAILROAD MILEMARKER	ROAD IDENTIFICATION	RAILROAD MILEMARKER	ROAD IDENTIFICATION
38.86	PROUTY DRIVE		
37.75	TOWN HIGHWAY #24		
35.70	TOWN HIGHWAY #6		
35.03	TOWN HIGHWAY #6		

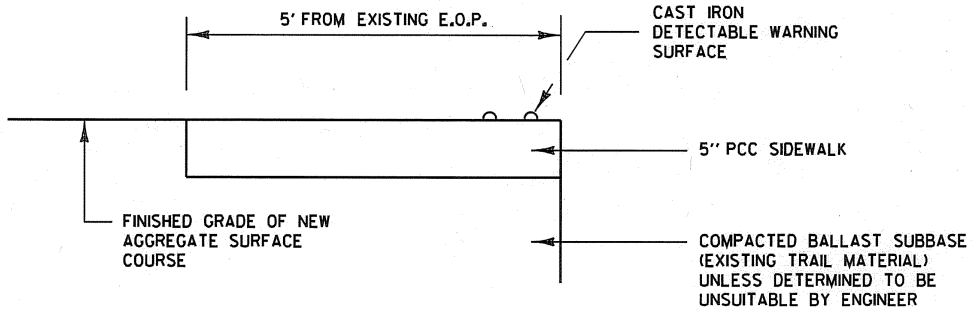
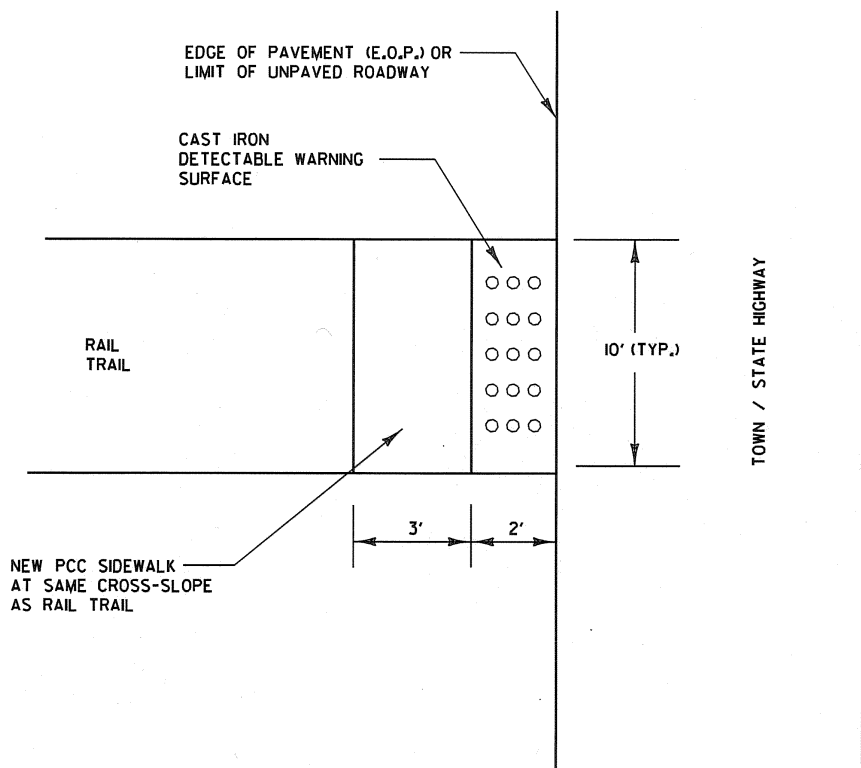
INDEX OF SHEETS & GENERAL NOTES #3	PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
	PROJECT LEADER: JON KAPLAN CHECKED BY: SUE SCRIBNER SHEET 4 OF 20



BRIDGE SECTION APPROACH DETAIL

NTS

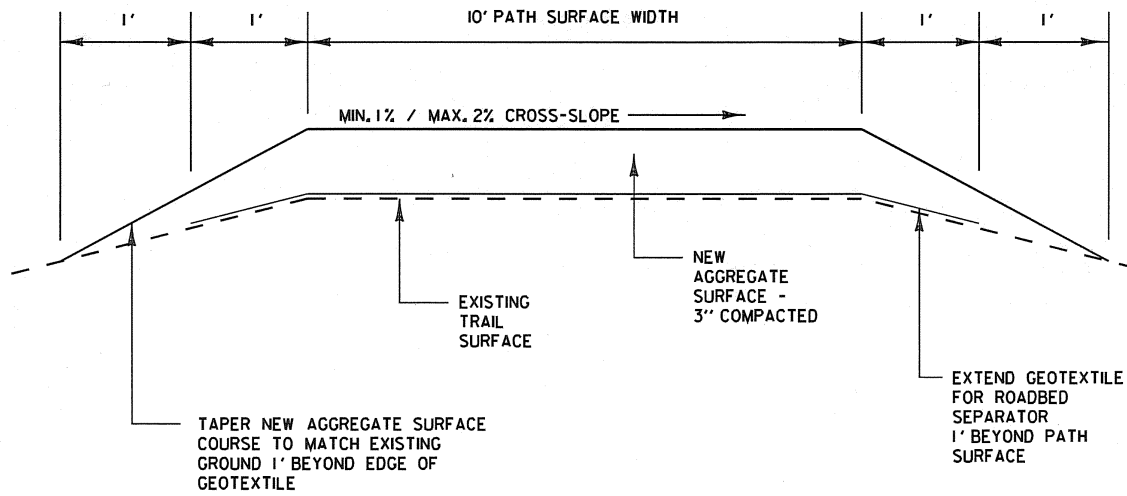
DETAIL SHEET # 1	PROJECT NAME: STATEWIDE
	PROJECT NUMBER: STP NWRT(1)
FILE NAME: statewidedetails.dgn	PLOT DATE: ****DATE***
PROJECT LEADER: JON KAPLAN	DRAWN BY: DEFORGE
DESIGNED BY: JAK	CHECKED BY: SUE SCRIBNER
IPARM FILE NAME:	SHEET 6 OF 20



DETECTABLE WARNINGS AT ROADWAY CROSSINGS

NTS

<p>DETAIL SHEET # 2</p>	PROJECT NAME:	STATEWIDE
	PROJECT NUMBER:	STP NWRT(1)
	FILE NAME:	statewidedetails.dgn
	PROJECT LEADER:	JON KAPLAN
	DESIGNED BY:	JAK
	IPARM FILE NAME:	
	PLOT DATE:	****DATE***
	DRAWN BY:	DEFORGE
	CHECKED BY:	SUE SCRIBNER
		SHEET 7 OF 20



GEOTEXTILE AND AGGREGATE SURFACE COURSE PLACEMENT

NTS

NOTES:

1. CONSTRUCTION VEHICLES SHALL BE LIMITED IN SIZE AND WEIGHT SUCH THAT RUTTING OF THE INITIAL LIFT PLACED ABOVE THE GEOTEXTILE DOES NOT OCCUR.

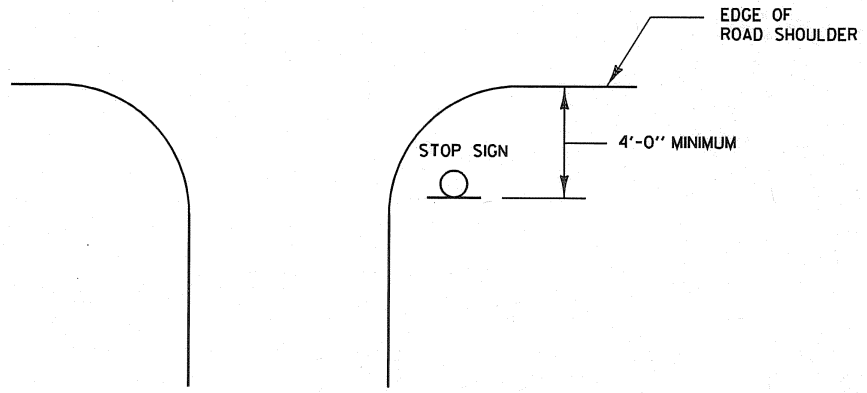
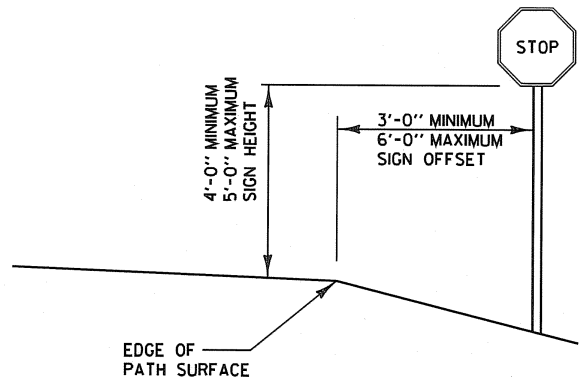
2. GEOTEXTILE SHALL BE PLACED ONLY ON THE MISSISSOUI VALLEY RAIL TRAIL.

**DETAIL
SHEET # 3**

PROJECT NAME: STATEWIDE
PROJECT NUMBER: STP NWRT(1)

FILE NAME: statewidedetails.dgn
PROJECT LEADER: JON KAPLAN
DESIGNED BY: JAK
IPARM FILE NAME:

PLOT DATE: ****DATE***
DRAWN BY: DEFORGE
CHECKED BY: SUE SCRIBNER
SHEET 8 OF 20



RAIL TRAIL STOP SIGN PLACEMENT

NTS

NOTE: LOCATE STOP SIGN AS CLOSE TO
THE DESIRED STOPPING POINT AS POSSIBLE

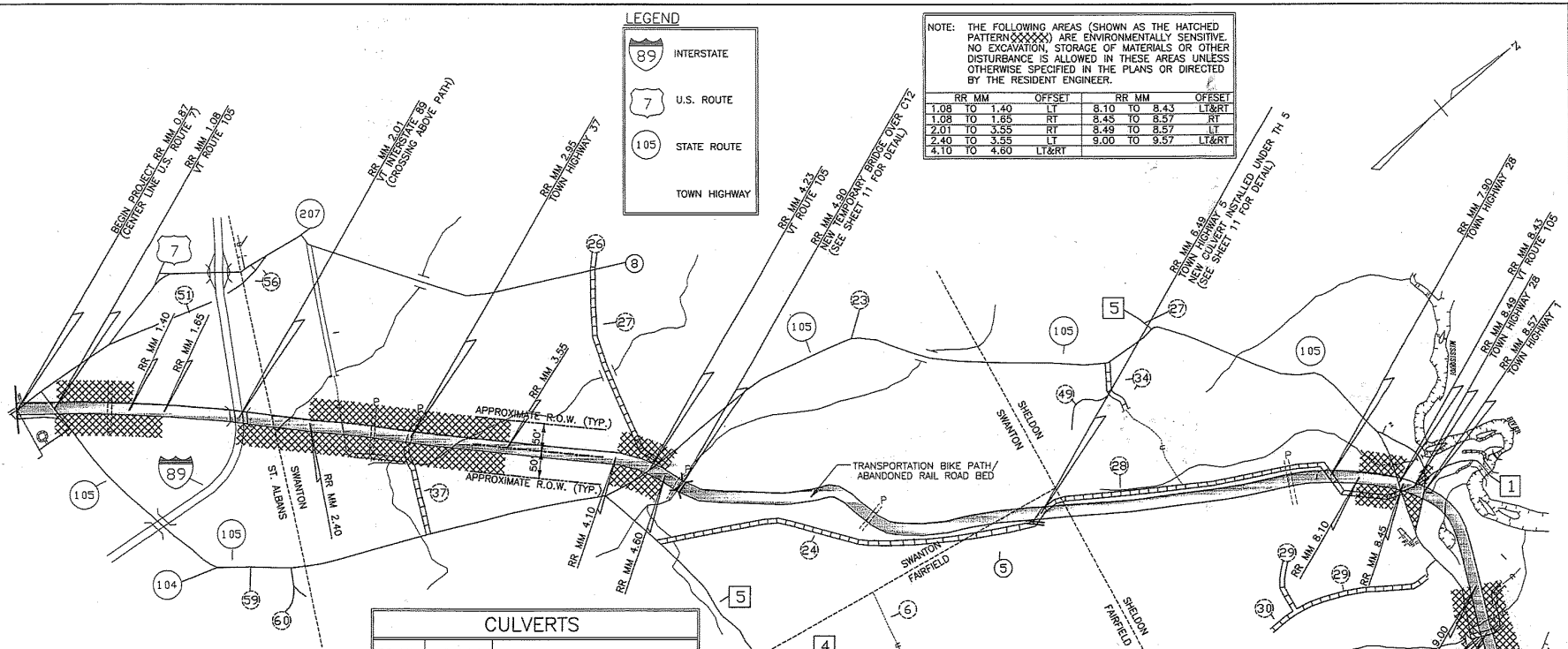
DETAIL SHEET # 4	PROJECT NAME: STATEWIDE
	PROJECT NUMBER: STP NWRT(1)
FILE NAME: statewidedetails.dgn	PLOT DATE: ****DATE***
PROJECT LEADER: JON KAPLAN	DRAWN BY: DEFORGE
DESIGNED BY: JAK	CHECKED BY: SUE SCRIBNER
IPARM FILE NAME:	SHEET 9 OF 20

LEGEND

89 INTERSTATE
 7 U.S. ROUTE
 105 STATE ROUTE
 TOWN HIGHWAY

NOTE: THE FOLLOWING AREAS (SHOWN AS THE HATCHED PATTERN) ARE ENVIRONMENTALLY SENSITIVE. NO EXCAVATION, STORAGE OF MATERIALS OR OTHER DISTURBANCE IS ALLOWED IN THESE AREAS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

RR MM	OFFSET	RR MM	OFFSET
1.08 TO 1.40	LT	8.10 TO 8.43	LT&RT
1.08 TO 1.65	RT	8.45 TO 8.57	RT
2.01 TO 3.55	RT	8.49 TO 8.57	LT
2.40 TO 3.55	LT	9.00 TO 9.57	LT&RT
4.10 TO 4.60	LT&RT		



SOLID WASTE

STATION	IDENTIFIER	VOLUME & DESCRIPTION
0.78 TO 1.33	S1	3 cy TRASH
1.43	S2	15 cy TRASH, APPLIANCES, TIRES
1.79	S3	OLD MATTRESS
2.54	S4	3 cy TRASH
3.01	S5	OLD SWING SET
4.13	S6	15 cy TRASH, APPLIANCES, TIRES
6.00	S7	3 cy TRASH
6.09	S8	3 cy TRASH
6.20 TO 6.23	S9	15 cy TRASH
6.29	S10	15 cy TRASH, CONSTRUCTION DEBRIS
6.40 TO 6.42	S11	15 cy TRASH
8.13 TO 8.18	S12	SHARPS, TRUCKS, DEBRIS
8.63	S13	55 GAL OIL DRUM EMPTY

NOTE: ALL SOLID WASTE DEPICTED SHALL BE PICKED UP, REMOVED AND DISPOSED OF AS DIRECTED BY THE RESIDENT ENGINEER.

CULVERTS

RR MM	IDENTIFIER	TYPE
0.89	C1	24" CMP
1.09	C2	18" CMP
1.44	C3	60" CMP
1.57	C4	18" CMP
1.90	C5	3'x2' CONC. BOX
2.28	C6	6'x7' CONC. BOX
3.15	C7	5'x6' CONC. BOX
3.32	C8	4'x5' CONC. BOX
3.60	C9	6'x7' CONC. BOX
4.34	C10	66" RCP
4.78	C11	24"x18" STONE BOX
4.90	C12	78"x42" STONE & STEEL RAIL BRIDGE
5.23	C13	18" CMP
5.67	C14	30"x36" TIMBER
5.96	C15	24"x24" CONC. BOX
6.38	C16	48"x48" CONC. BOX
6.78	C17	18" CMP
7.41	C18	24"x30" CONC. BOX
7.64	C19	30"x30" CONC. BOX
7.95	C20	18" CMP
8.22	C21	18"x48" STONE BOX
8.71	C22	24" CMP
9.13	C23	18" CMP
9.41	C24	48" RCP

NOTE: THE ONLY WORK TO BE PERFORMED AT THESE CULVERT LOCATIONS ARE TYPICAL CLEARING AS SHOWN ON SHEET 2 OF 21 AND THE NEW TEMPORARY BRIDGE OVER CULVERT C12.

FARM (F) & PRIVATE (P) CROSSINGS

RR MM	IDENTIFIER	TYPE
1.17	F1	FARM
	F2	FARM (NOT USED)
2.61	F3	FARM
3.22	F4	FARM
3.82	F5	FARM
4.24	F6	FARM
4.42	F7	FARM
6.78	P1	PRIVATE - 3 TO 4 HOMES
6.91	P2	PRIVATE - 2 HOMES
8.17	FB	FARM
9.25	F9	FARM
9.71	F10	FARM

NOTE: SEE SHEETS 7 THROUGH 10 OF 21 FOR FENCING, GATES AND SIGNING ASSOCIATED WITH THESE CROSSINGS.

NOTES:

- THE TRANSPORTATION PATH RIGHT OF WAY IS APPROXIMATELY 50' EACH SIDE OF THE PATH CENTER. THIS SHALL BE THE LIMITS OF CONSTRUCTION.
- SEE LAYOUT SHEETS 1 THRU 4 FOR LOCATIONS OF FARM AND PRIVATE CROSSINGS, SOLID WASTE AND CULVERTS

END PROJECT RR MM 9.87
 PLAN NOT TO SCALE

PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
 SHEET 11 OF 20
 MISSISQUOI VALLEY RAIL TRAIL
 FOR REFERENCE ONLY

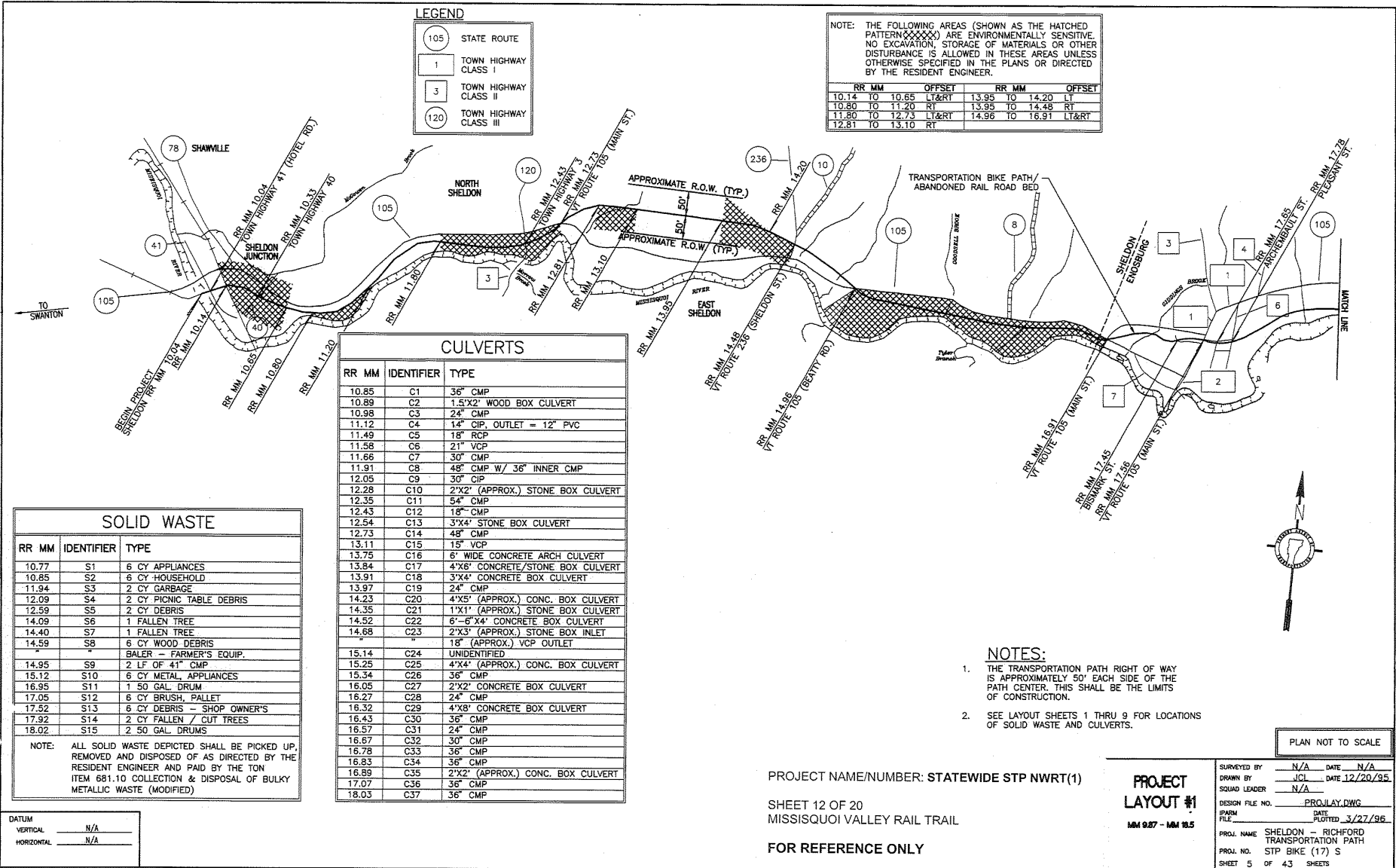
DATUM
 VERTICAL N/A
 HORIZONTAL N/A

LEGEND

105	STATE ROUTE
1	TOWN HIGHWAY CLASS I
3	TOWN HIGHWAY CLASS II
120	TOWN HIGHWAY CLASS III

NOTE: THE FOLLOWING AREAS (SHOWN AS THE HATCHED PATTERNS) ARE ENVIRONMENTALLY SENSITIVE. NO EXCAVATION, STORAGE OF MATERIALS OR OTHER DISTURBANCE IS ALLOWED IN THESE AREAS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

RR MM	OFFSET	RR MM	OFFSET
10.14	TO 10.65 LT&RT	13.95	TO 14.20 LT
10.80	TO 11.20 RT	13.95	TO 14.48 RT
11.80	TO 12.73 LT&RT	14.96	TO 16.91 LT&RT
12.81	TO 13.10 RT		



CULVERTS

RR MM	IDENTIFIER	TYPE
10.85	C1	36" CMP
10.89	C2	1.5'X2' WOOD BOX CULVERT
10.98	C3	24" CMP
11.12	C4	14" CIP, OUTLET = 12" PVC
11.49	C5	18" RCP
11.58	C6	21" VCP
11.66	C7	30" CMP
11.91	C8	48" CMP W/ 36" INNER CMP
12.05	C9	30" CIP
12.28	C10	2'X2' (APPROX.) STONE BOX CULVERT
12.35	C11	54" CMP
12.43	C12	18" CMP
12.54	C13	3'X4' STONE BOX CULVERT
12.73	C14	48" CMP
13.11	C15	15" VCP
13.75	C16	6" WIDE CONCRETE ARCH CULVERT
13.84	C17	4'X6' CONCRETE/STONE BOX CULVERT
13.91	C18	3'X4' CONCRETE BOX CULVERT
13.97	C19	24" CMP
14.23	C20	4'X5' (APPROX.) CONC. BOX CULVERT
14.35	C21	1'X1' (APPROX.) STONE BOX CULVERT
14.52	C22	6'-6'X4' CONCRETE BOX CULVERT
14.68	C23	2'X3' (APPROX.) STONE BOX INLET
		18" (APPROX.) VCP OUTLET
15.14	C24	UNIDENTIFIED
15.25	C25	4'X4' (APPROX.) CONC. BOX CULVERT
15.34	C26	36" CMP
16.05	C27	2'X2' CONCRETE BOX CULVERT
16.27	C28	24" CMP
16.32	C29	4'X8' CONCRETE BOX CULVERT
16.43	C30	36" CMP
16.57	C31	24" CMP
16.67	C32	30" CMP
16.78	C33	36" CMP
16.83	C34	36" CMP
16.89	C35	2'X2' (APPROX.) CONC. BOX CULVERT
17.07	C36	36" CMP
18.03	C37	36" CMP

SOLID WASTE

RR MM	IDENTIFIER	TYPE
10.77	S1	6 CY APPLIANCES
10.85	S2	6 CY HOUSEHOLD
11.94	S3	2 CY GARBAGE
12.09	S4	2 CY PICNIC TABLE DEBRIS
12.59	S5	2 CY DEBRIS
14.09	S6	1 FALLEN TREE
14.40	S7	1 FALLEN TREE
14.59	S8	6 CY WOOD DEBRIS
		BALER - FARMER'S EQUIP.
14.95	S9	2 LF OF 41" CMP
15.12	S10	6 CY METAL APPLIANCES
16.95	S11	1 50 GAL DRUM
17.05	S12	6 CY BRUSH, PALLET
17.52	S13	6 CY DEBRIS - SHOP OWNER'S
17.92	S14	2 CY FALLEN / CUT TREES
18.02	S15	2 50 GAL DRUMS

NOTE: ALL SOLID WASTE DEPICTED SHALL BE PICKED UP, REMOVED AND DISPOSED OF AS DIRECTED BY THE RESIDENT ENGINEER AND PAID BY THE TON ITEM 681.10 COLLECTION & DISPOSAL OF BULKY METALLIC WASTE (MODIFIED)

NOTES:

1. THE TRANSPORTATION PATH RIGHT OF WAY IS APPROXIMATELY 50' EACH SIDE OF THE PATH CENTER. THIS SHALL BE THE LIMITS OF CONSTRUCTION.
2. SEE LAYOUT SHEETS 1 THRU 9 FOR LOCATIONS OF SOLID WASTE AND CULVERTS.

PLAN NOT TO SCALE

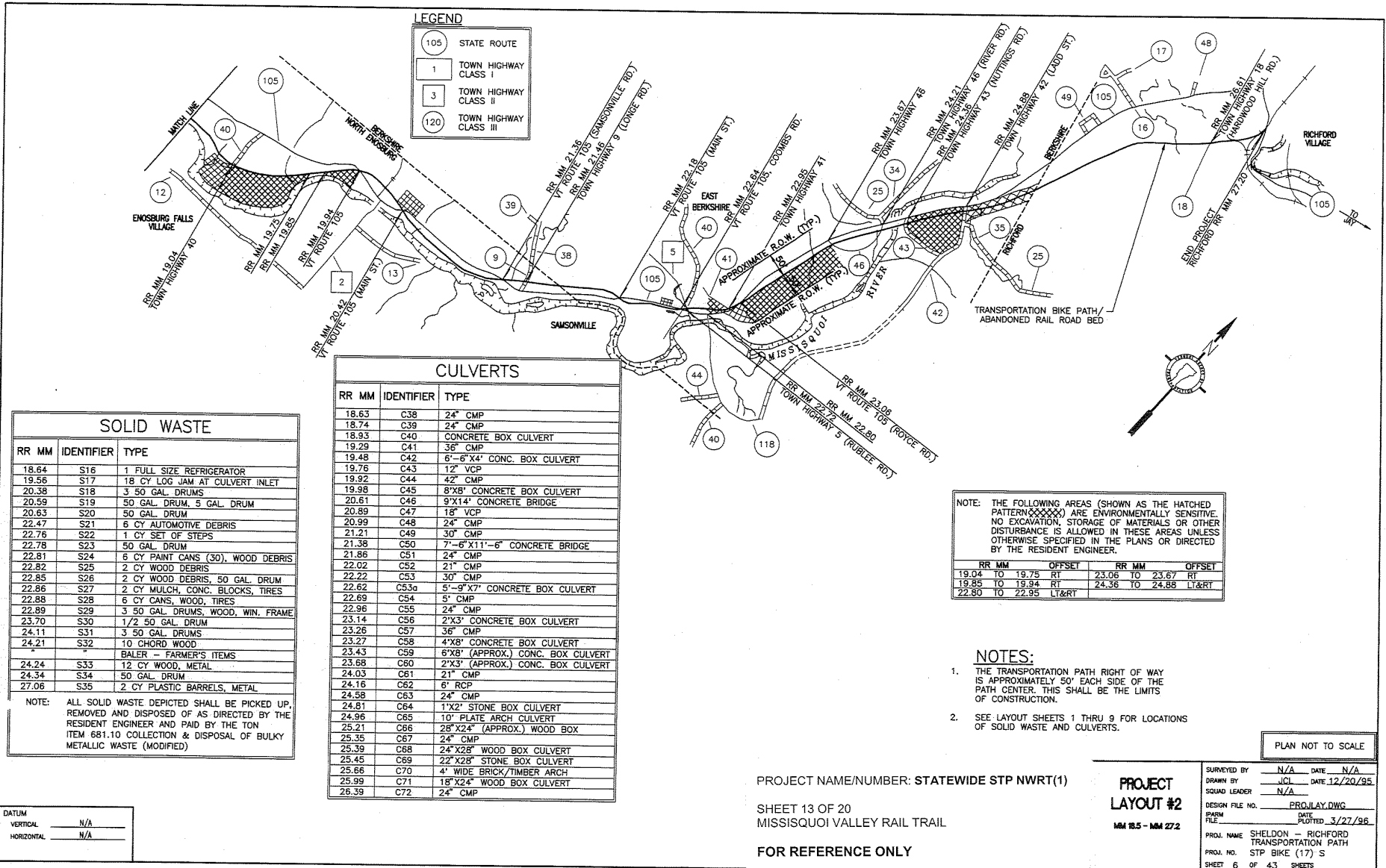
PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 12 OF 20
MISSISSQUOI VALLEY RAIL TRAIL

FOR REFERENCE ONLY

PROJECT LAYOUT #1
MM 9.87 - MM 10.5

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	JCL	DATE	12/20/95
SQUAD LEADER	N/A		
DESIGN FILE NO.	PROJ.LAY.DWG		
DATE PLOTTED	3/27/96		
PROJ. NAME	SHELDON - RICHFORD TRANSPORTATION PATH		
PROJ. NO.	STP BIKE (17) S		
SHEET	5 OF 43 SHEETS		



LEGEND

105	STATE ROUTE
1	TOWN HIGHWAY CLASS I
3	TOWN HIGHWAY CLASS II
120	TOWN HIGHWAY CLASS III

SOLID WASTE

RR MM	IDENTIFIER	TYPE
18.64	S16	1 FULL SIZE REFRIGERATOR
19.56	S17	18 CY LOG JAM AT CULVERT INLET
20.38	S18	3 50 GAL. DRUMS
20.59	S19	50 GAL. DRUM, 5 GAL. DRUM
20.63	S20	50 GAL. DRUM
22.47	S21	6 CY AUTOMOTIVE DEBRIS
22.76	S22	1 CY SET OF STEPS
22.78	S23	50 GAL. DRUM
22.81	S24	6 CY PAINT CANS (30), WOOD DEBRIS
22.82	S25	2 CY WOOD DEBRIS
22.85	S26	2 CY WOOD DEBRIS, 50 GAL. DRUM
22.86	S27	2 CY MULCH, CONC. BLOCKS, TIRES
22.88	S28	6 CY CANS, WOOD, TIRES
22.89	S29	3 50 GAL. DRUMS, WOOD, WIN. FRAME
23.70	S30	1/2 50 GAL. DRUM
24.11	S31	3 50 GAL. DRUMS
24.21	S32	10 CHORD WOOD BALER - FARMER'S ITEMS
24.24	S33	12 CY WOOD, METAL
24.34	S34	50 GAL. DRUM
27.06	S35	2 CY PLASTIC BARRELS, METAL

NOTE: ALL SOLID WASTE DEPICTED SHALL BE PICKED UP, REMOVED AND DISPOSED OF AS DIRECTED BY THE RESIDENT ENGINEER AND PAID BY THE TON ITEM 681.10 COLLECTION & DISPOSAL OF BULKY METALLIC WASTE (MODIFIED)

CULVERTS

RR MM	IDENTIFIER	TYPE
18.63	C38	24" CMP
18.74	C39	24" CMP
18.93	C40	CONCRETE BOX CULVERT
19.29	C41	36" CMP
19.48	C42	6'-6"x4' CONC. BOX CULVERT
19.76	C43	12" VCP
19.92	C44	42" CMP
19.98	C45	8'X8" CONCRETE BOX CULVERT
20.61	C46	9'X14" CONCRETE BRIDGE
20.89	C47	18" VCP
20.99	C48	24" CMP
21.21	C49	30" CMP
21.38	C50	7'-6"x11'-6" CONCRETE BRIDGE
21.86	C51	24" CMP
22.02	C52	21" CMP
22.22	C53	30" CMP
22.62	C53a	5'-9"x7' CONCRETE BOX CULVERT
22.69	C54	5" CMP
22.96	C55	24" CMP
23.14	C56	2'X3' CONCRETE BOX CULVERT
23.26	C57	36" CMP
23.27	C58	4'X8' CONCRETE BOX CULVERT
23.43	C59	6'X8" (APPROX.) CONC. BOX CULVERT
23.68	C60	2'X3' (APPROX.) CONC. BOX CULVERT
24.03	C61	21" CMP
24.16	C62	6" RCP
24.58	C63	24" CMP
24.61	C64	1'X2' STONE BOX CULVERT
24.96	C65	10" PLATE ARCH CULVERT
25.21	C66	25'X24" (APPROX.) WOOD BOX
25.35	C67	24" CMP
25.39	C68	24'X28" WOOD BOX CULVERT
25.45	C69	22'X28" STONE BOX CULVERT
25.66	C70	4' WIDE BRICK/TIMBER ARCH
25.99	C71	18'X24" WOOD BOX CULVERT
26.39	C72	24" CMP

NOTE: THE FOLLOWING AREAS (SHOWN AS THE HATCHED PATTERN) ARE ENVIRONMENTALLY SENSITIVE. NO EXCAVATION, STORAGE OF MATERIALS OR OTHER DISTURBANCE IS ALLOWED IN THESE AREAS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

RR MM	OFFSET	RR MM	OFFSET
18.04 TO 19.75	RT	23.06 TO 23.67	RT
19.85 TO 19.94	RT	24.36 TO 24.88	LT&RT
22.80 TO 22.95	LT&RT		

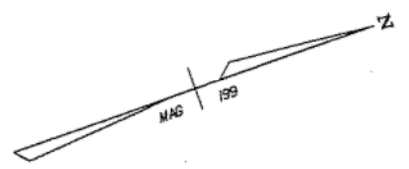
- NOTES:**
- THE TRANSPORTATION PATH RIGHT OF WAY IS APPROXIMATELY 50' EACH SIDE OF THE PATH CENTER. THIS SHALL BE THE LIMITS OF CONSTRUCTION.
 - SEE LAYOUT SHEETS 1 THRU 9 FOR LOCATIONS OF SOLID WASTE AND CULVERTS.

PLAN NOT TO SCALE

PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
 SHEET 13 OF 20
 MISSISSUOUI VALLEY RAIL TRAIL
 FOR REFERENCE ONLY

PROJECT LAYOUT #2
MM 185 - MM 272

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	JCI	DATE	12/20/95
SQUAD LEADER	N/A		
DESIGN FILE NO.	PROJ14.DWG		
PARM FILE	DATE	3/27/96	
PROJ. NAME	SHELDON - RICHFORD TRANSPORTATION PATH		
PROJ. NO.	STP BIKE (17) S		
SHEET 6 OF 43 SHEETS			



GUIDE POST (MOD.-BOLLARDS) RR MM 38.860 @ (3 EA.) (SEE DETAIL SHEET 15)

POWER GRADER RENTAL RR MM 38.861 - RR MM 38.344 (GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADDED SUBGRADE SEPARATOR RR MM 38.861 - RR MM 38.344~~

~~PLACE UNDER AGGREGATE SURFACE COURSE 10' WIDTH~~

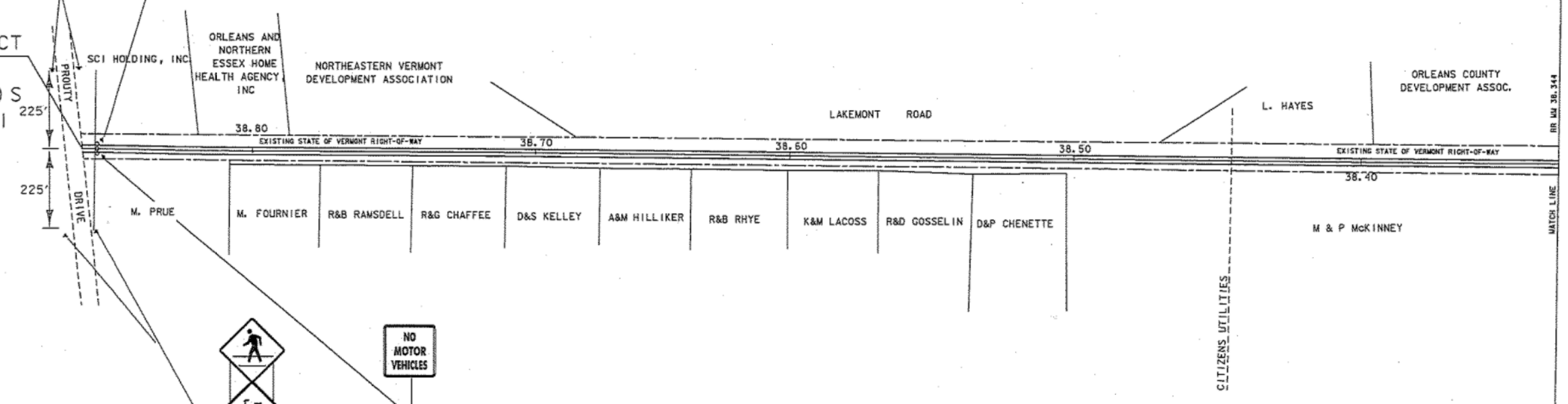
AGGREGATE SURFACE COURSE RR MM 38.861 - RR MM 38.344



EACH SIGN PLACED ON 1 POST
1 SIGN EACH SIDE OF ROAD



BEGIN PROJECT
BEEBE SPUR
STP BIKE (19)S
RR MM 38.861



EACH SIGN PLACED ON 1 POST
1 SIGN EACH SIDE OF ROAD



- NOTES:
1. ALL WORK IS WITHIN EXISTING STATE OF VERMONT RIGHT-OF-WAY AND SHALL BE DONE WITHIN THE EXISTING RAILROAD BED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER
 2. WIDTH OF EXISTING RIGHT-OF-WAY IS 33' EACH SIDE OF CENTERLINE
 3. PROPERTY LINES ARE APPROXIMATE AND PROPERTY OWNERS MAY NOT BE ACCURATE

PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 14 OF 20
BEEBE SPUR RAIL TRAIL

FOR REFERENCE ONLY



PLAN NOT TO SCALE

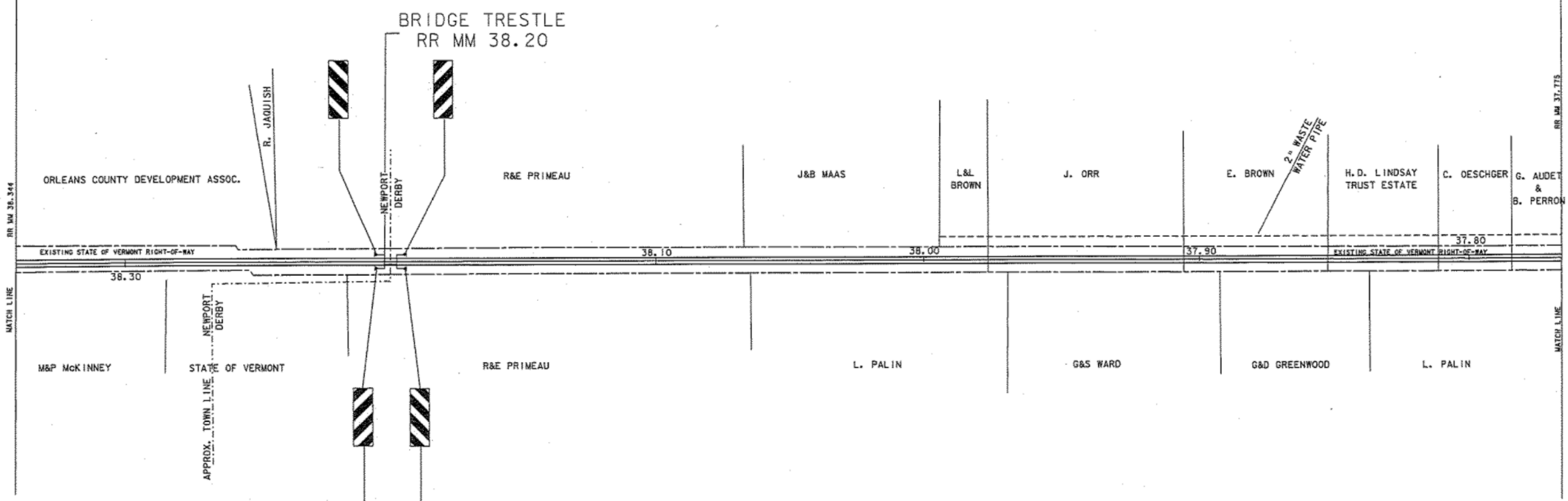
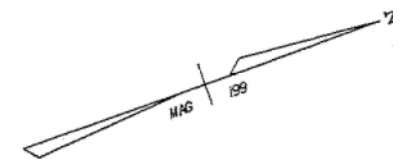
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISRVOI/LTF/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAYO1J	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 6 OF 20

POWER GRADER RENTAL
RR MM 38.344 - RR MM 37.775
(GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADBED SUBGRADE SEPARATOR
RR MM 38.344 - RR MM 37.775
(PLACE UNDER AGGREGATE SURFACE COURSE 18' WIDTH)~~

AGGREGATE SURFACE COURSE
RR MM 38.344 - RR MM 37.775



- NOTES:
1. ALL WORK IS WITHIN EXISTING STATE OF VERMONT RIGHT-OF-WAY AND SHALL BE DONE WITHIN THE EXISTING RAILROAD BED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER
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PLAN NOT TO SCALE

PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 15 OF 20
BEEBE SPUR RAIL TRAIL

FOR REFERENCE ONLY



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISRV01/LTF/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAY02.I	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 7 OF 20



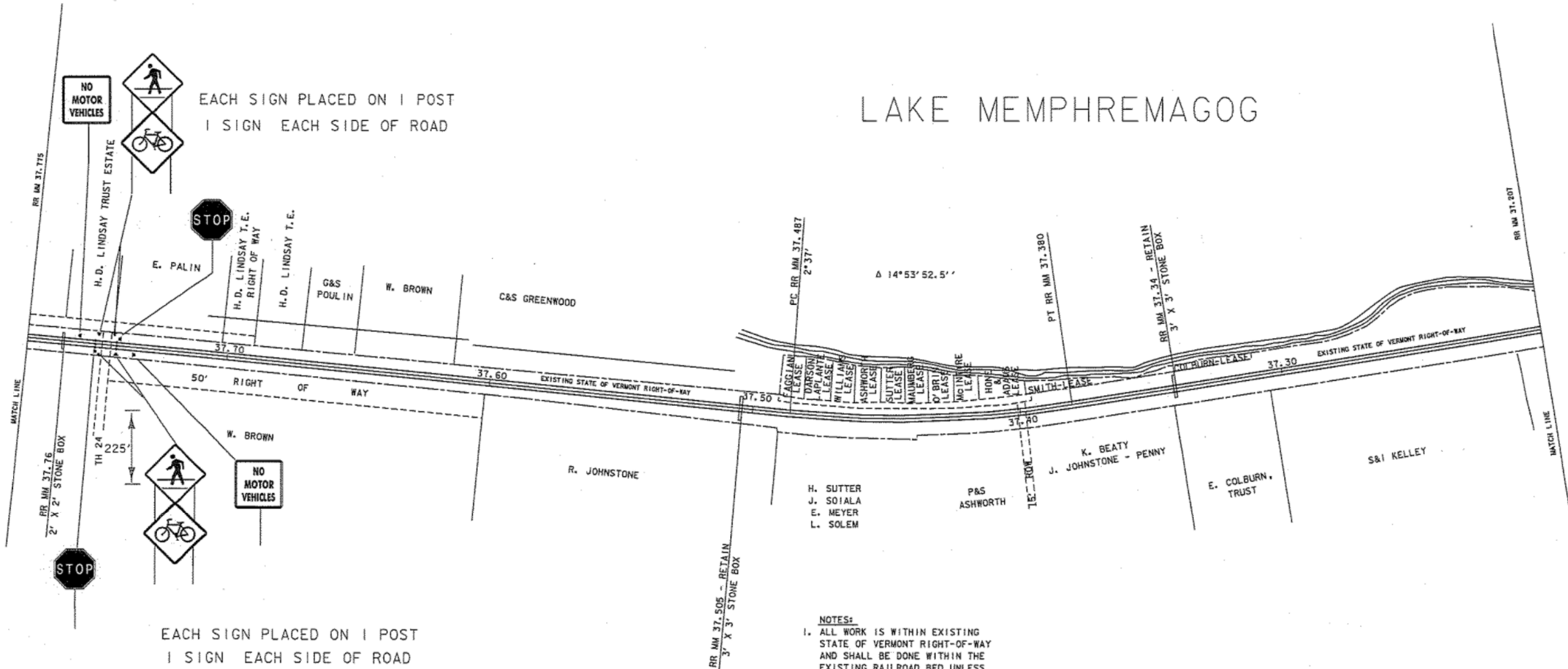
GUIDE POST (MOD.-BOLLARDS)
 RR MM 37.740 @ (3 EA.)
 RR MM 37.750 @ (3 EA.)
 (SEE DETAIL SHEET 15)

POWER GRADER RENTAL
 RR MM 37.775 - RR MM 37.207
 (GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADBED-SUBGRADE SEPARATOR~~
~~RR MM 37.775 - RR MM 37.207~~
~~(PLACE UNDER AGGREGATE SURFACE COURSE 10' WIDTH)~~

AGGREGATE SURFACE COURSE
 RR MM 37.775 - RR MM 37.207

LAKE MEMPHREMAGOG



EACH SIGN PLACED ON 1 POST
 1 SIGN EACH SIDE OF ROAD

EACH SIGN PLACED ON 1 POST
 1 SIGN EACH SIDE OF ROAD

- NOTES:
1. ALL WORK IS WITHIN EXISTING STATE OF VERMONT RIGHT-OF-WAY AND SHALL BE DONE WITHIN THE EXISTING RAILROAD BED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER
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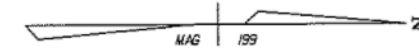
PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
 SHEET 16 OF 20
 BEEBE SPUR RAIL TRAIL
 FOR REFERENCE ONLY

**ARCHIVED
 IN DPR**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISRV01/LTF/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAY03.I	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 8 OF 20

PLAN NOT TO SCALE

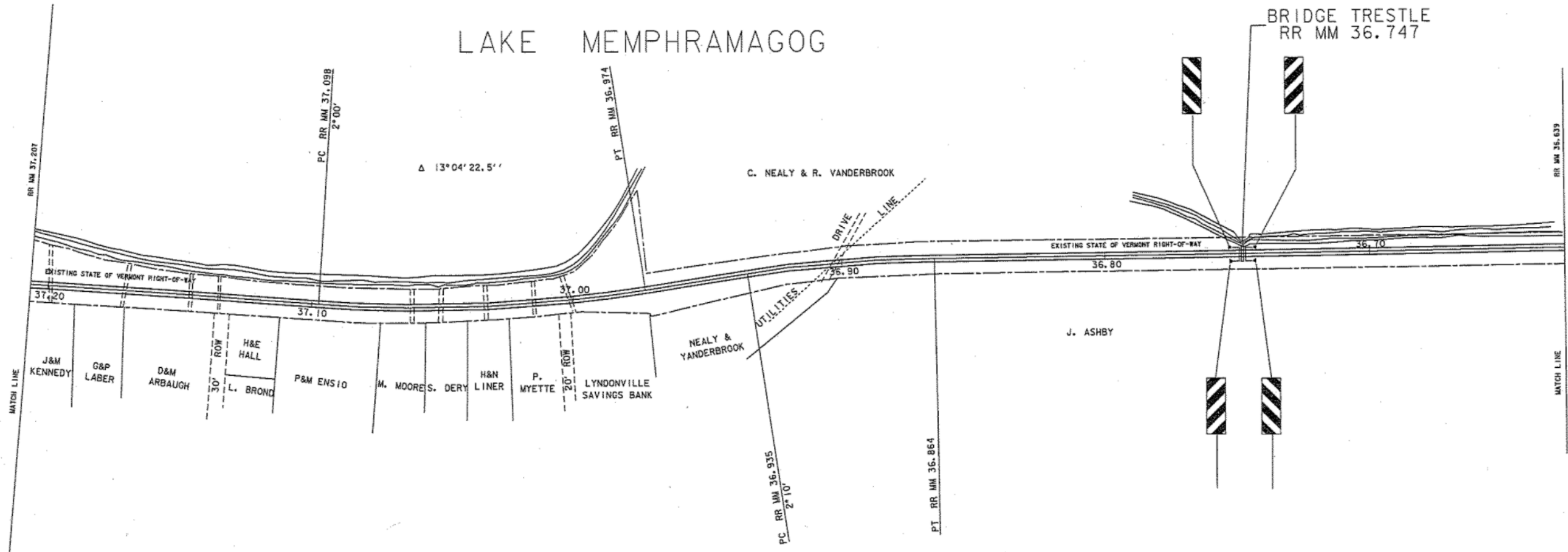


POWER GRADER RENTAL
RR MM 37.207 - RR MM 36.639
(GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADDED SUBGRADE SEPARATOR~~
~~RR MM 37.207 - RR MM 36.639~~
~~(PLACE UNDER AGGREGATE SURFACE COURSE 10' WIDTH)~~

AGGREGATE SURFACE COURSE
RR MM 37.207 - RR MM 36.639

LAKE MEMPHRAMAGOG



- NOTES:**
1. ALL WORK IS WITHIN EXISTING STATE OF VERMONT RIGHT-OF-WAY AND SHALL BE DONE WITHIN THE EXISTING RAILROAD BED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER
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DATUM	N/A
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 17 OF 20
BEEBE SPUR RAIL TRAIL

FOR REFERENCE ONLY

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISRV04/LTF/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAY04.I	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 9 OF 20

PLAN NOT TO SCALE

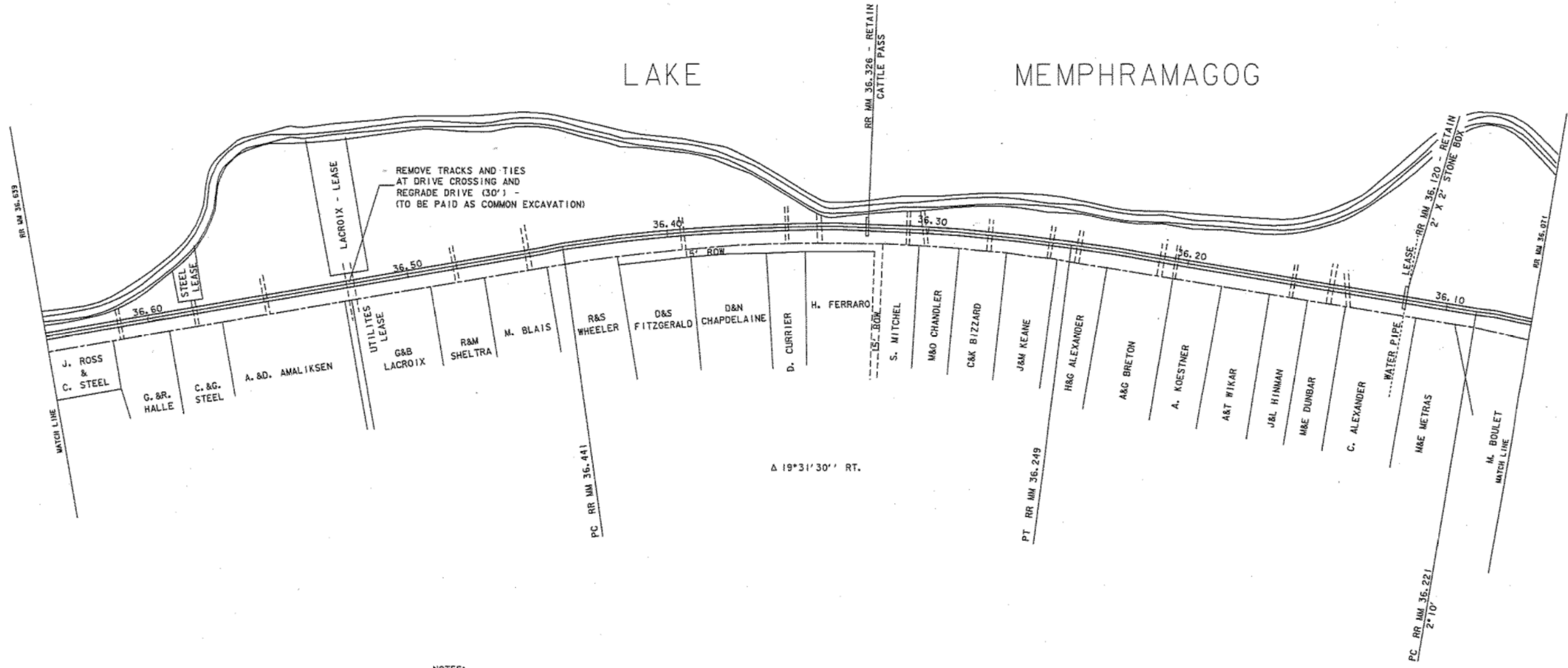


POWER GRADER RENTAL
RR MM 36.639 - RR MM 36.071
(GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADBED SUBGRADE SEPARATOR~~
~~RR MM 36.639 - RR MM 36.071~~
~~(PLACE UNDER AGGREGATE SURFACE COURSE 10' WIDTH)~~

AGGREGATE SURFACE COURSE
RR MM 36.639 - RR MM 36.071

LAKE MEMPHRAMAGOG



Δ 19°31'30" RT.

- NOTES:**
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PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)
SHEET 18 OF 20
BEEBE SPUR RAIL TRAIL
FOR REFERENCE ONLY

**ARCHIVED
IN DPR**

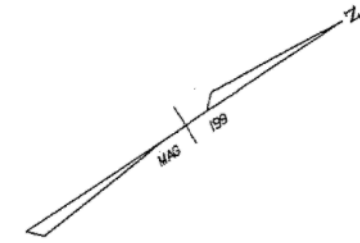
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISRV04/LTF/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAY05.J	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 18 OF 20

PLAN NOT TO SCALE

LAKE

MEMPHAMAGOG



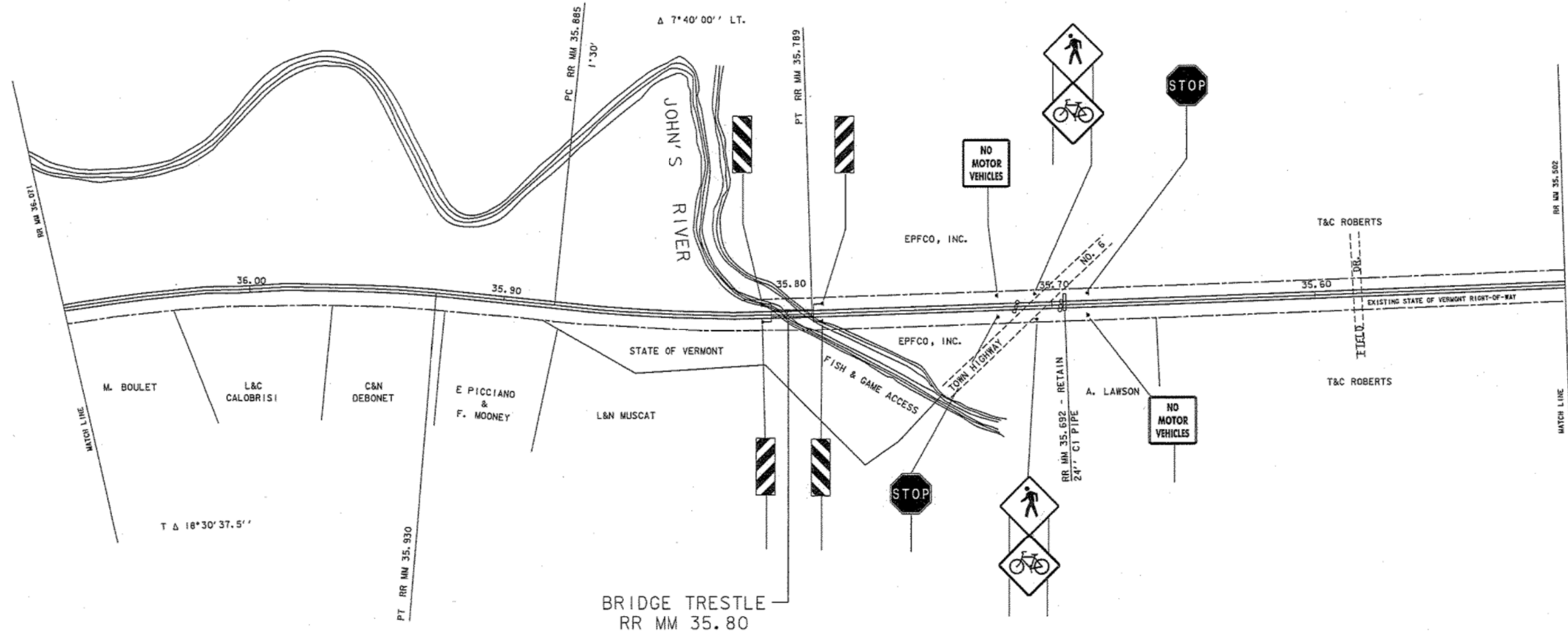
GUIDE POST (MOD.-BOLLARDS)
RR MM 35.710 @ (3 EA.)
RR MM 35.690 @ (3 EA.)
(SEE DETAIL SHEET 15)

POWER GRADER RENTAL
RR MM 36.071 - RR MM 35.502
(GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADDED SUBGRADE SEPARATOR~~
~~RR MM 35.071 - RR MM 35.502~~
~~PLACE UNDER AGGREGATE SURFACE COURSE 10' WIDTH~~

AGGREGATE SURFACE COURSE
RR MM 36.071 - RR MM 35.502

EACH SIGN PLACED ON 1 POST



EACH SIGN PLACED ON 1 POST

1 SIGN EACH SIDE OF ROAD

PLAN NOT TO SCALE

- NOTES:**
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PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 19 OF 20
BEEBE SPUR RAIL TRAIL

FOR REFERENCE ONLY

**ARCHIVED
IN DPR**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR	PROJECT NO.: STP BIKE(19)S
DESIGN FILE NAME: ISBYOZLIE/BEEBE/BEEBE.DGN	PLOT DATE: 29-NOV-2004 15
IPARM FILE NAME: LAYO6.I	SURVEY DATE:
SURVEYED BY:	DRAWN BY: MAGNAN
SQUAD LEADER: LEWIS	SHEET: 11 OF 20

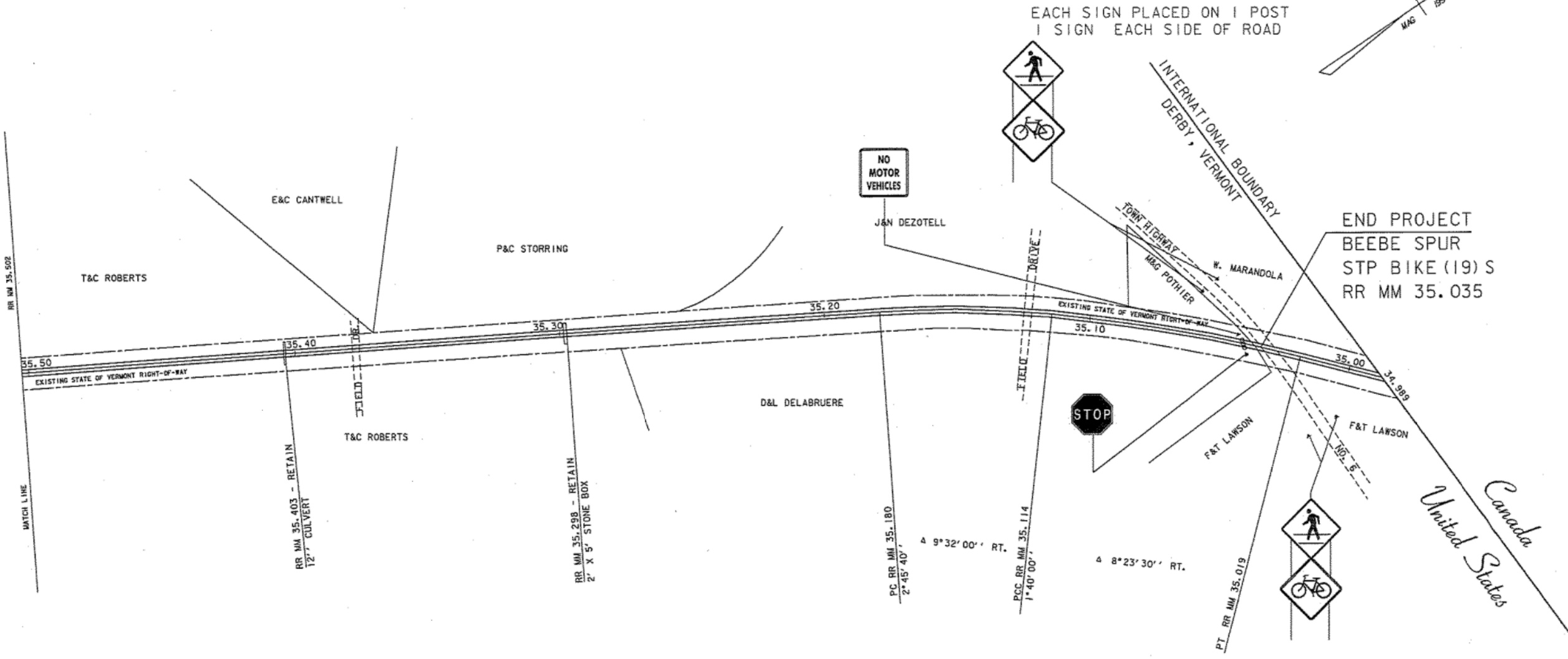
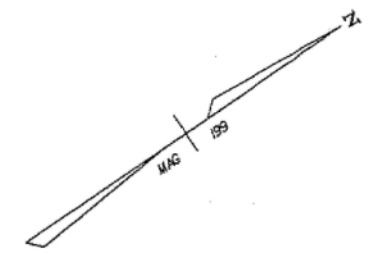
GUIDE POST (MOD. -BOLLARDS)
RR MM 35.040 @ (3 EA.)
(SEE DETAIL SHEET 15)

POWER GRADER RENTAL
RR MM 35.502 - RR MM 35.035
(GRADING OF EXISTING BALLAST)

~~GEOTEXTILE FOR ROADDED SUBGRADE SEPARATOR~~
~~RR MM 35.502 - RR MM 35.035~~
~~PLACE UNDER AGGREGATE SURFACE COURSE 18' WIDTH~~

AGGREGATE SURFACE COURSE
RR MM 35.502 - RR MM 35.035

EACH SIGN PLACED ON 1 POST
1 SIGN EACH SIDE OF ROAD



END PROJECT
BEEBE SPUR
STP BIKE (19)S
RR MM 35.035

EACH SIGN PLACED ON 1 POST
1 SIGN EACH SIDE OF ROAD

- NOTES:
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PROJECT NAME/NUMBER: STATEWIDE STP NWRT(1)

SHEET 20 OF 20
BEEBE SPUR RAIL TRAIL

FOR REFERENCE ONLY

**ARCHIVED
IN DPR**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT: BEEBE SPUR		PROJECT NO.: STP BIKE(19)S	
DESIGN FILE NAME:	ISRVOI/LTF/BEEBE/BEEBE.DGN	PLOT DATE:	29-NOV-2004 15
IPARM FILE NAME:	LAY07.J	SURVEY DATE:	
SURVEYED BY:		DRAWN BY:	MAGNAN
SQUAD LEADER:	LEWIS	SHEET:	12 OF 20

PLAN NOT TO SCALE