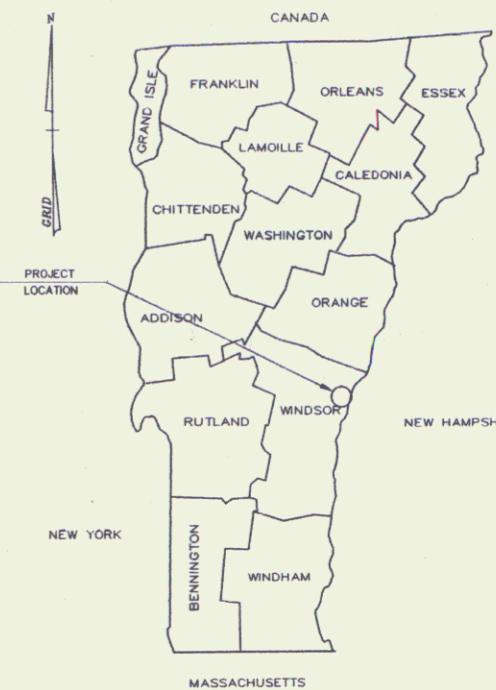
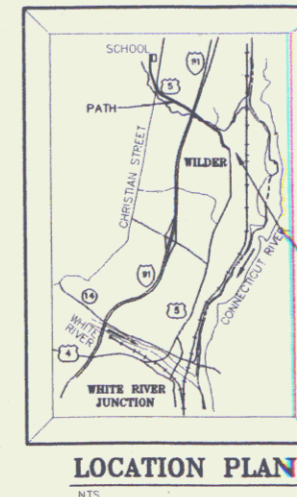


STATE OF VERMONT  
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT  
**TOWN OF HARTFORD**  
COUNTY OF WINDSOR  
HARTFORD TRANSPORTATION PATH



**INDEX OF SHEETS**

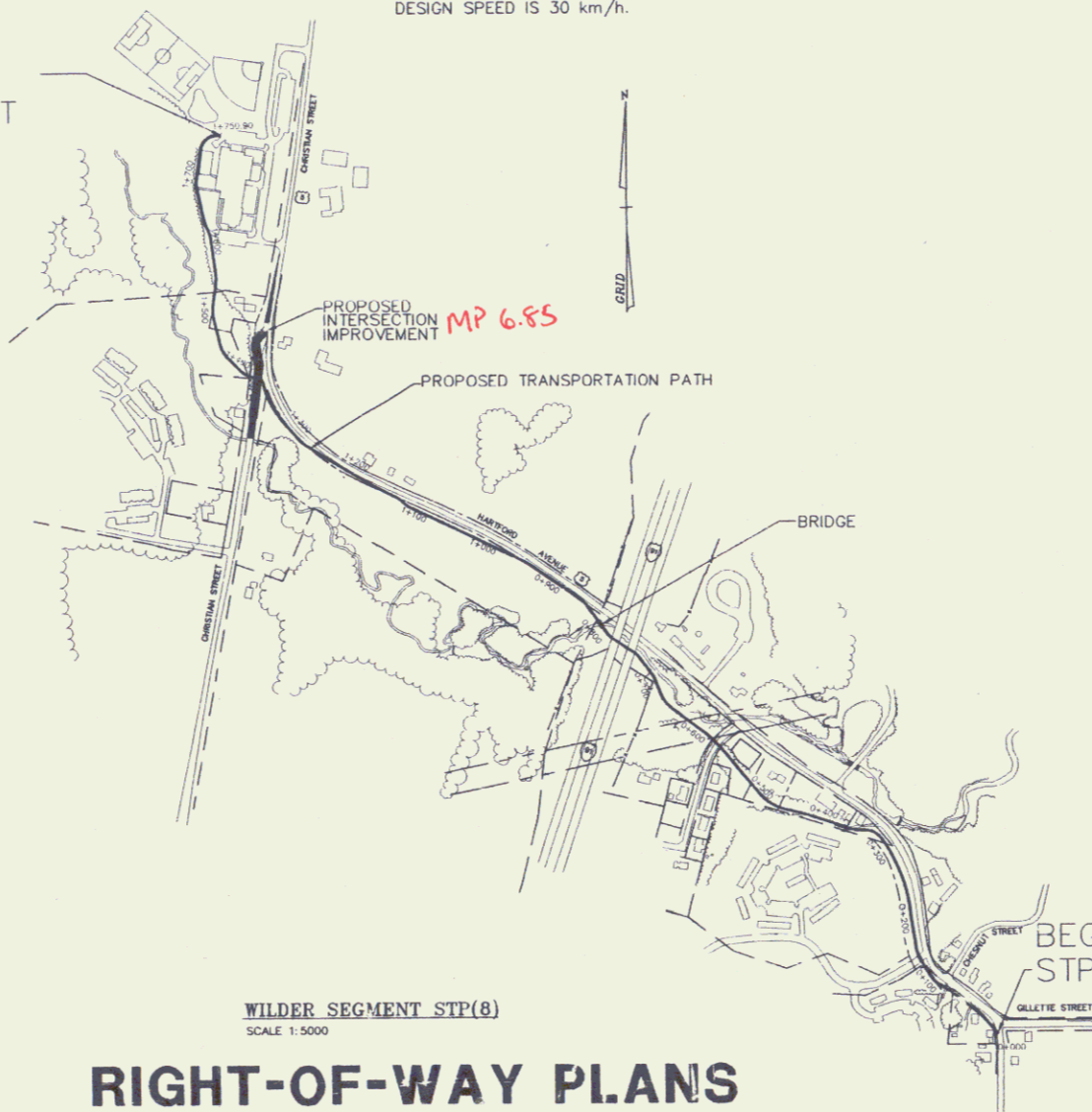
- 1. TITLE SHEET
- 2. TYPICALS
- 3-4. DETAIL SHEETS
- 5-11. PLAN SHEETS

WILDER: BEGINNING NEAR THE INTERSECTION OF GILLETTE STREET AND U.S. ROUTE 5 AND EXTENDING WESTERLY ALONG U.S. ROUTE 5 APPROXIMATELY 1.75 km TO THE PLAY AREA OF THE SCHOOL ON CHRISTIAN STREET. INCLUDED IN THE WILDER SECTION IS APPROXIMATELY 0.26 km OF ROAD IMPROVEMENTS AT THE INTERSECTION OF CHRISTIAN STREET AND HARTFORD AVENUE.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES GRADING, DRAINAGE, SUBBASE, PAVEMENT, FENCING, SIGNING, MARKINGS, LIGHTING, BRIDGE, CONCRETE RETAINING WALLS AND RELATED ITEMS FOR AN URBAN TRANSPORTATION PATH.

TOTAL LENGTH OF PROJECT IS 2.01 km  
TOTAL LENGTH OF BRIDGE IS 0.0152 km  
TOTAL LENGTH OF PATH IS 1.74 km  
TOTAL LENGTH OF CHRISTIAN ST IMPROVEMENTS IS 0.26 km  
TOTAL LENGTH OF R-O-W PROJECT IS 1.74 km  
DESIGN SPEED IS 30 km/h.

END R-O-W PROJECT  
STP BIKE (8) STA 1+757.7 LT



LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

**RIGHT-OF-WAY PLANS**

**Metric**

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

P.O.# 92K296  
Proj # STP BIKE(8)

NOV 02 2001



LAMOUREUX, STONE & O'LEARY  
Consulting Engineers Inc.  
14 Morse Drive  
Essex Junction, VT 05452  
(802) 878-4450  
Engineers-Planners-Surveyors

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED: [Signature] DATE 12/13/96  
DIRECTOR OF ENGINEERING

APPROVED: [Signature] DATE 12/17/96  
CHIEF OF RIGHT-OF-WAY

PROJECT: HARTFORD STP BIKE (8) N# 93070  
R.O.W. SHEET 1 OF 10

DATUM  
VERTICAL NAVD 1927  
HORIZONTAL N/A

**TABLE OF PROJECT PROPERTY ACQUISITION**

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	ROGER MURRAY REGINA A. MURRAY	5	0+019.0 LT 0+053.5 LT			SIDEWALK (T) DRIVE (T)	TU	2-23-98				12' DRIVE, MM-0603
2	LEDGESTONE COMMONS CONDOMINIUM OWNERS ASSOCIATION, INC.	5	0+084.1 LT 0+125.9 LT 0+133.0 LT	0+137.1 LT 0+137.3 LT 0+137.2 LT	237 m <sup>2</sup>	CONST. (T) 13.1 m <sup>2</sup> SLOPE (T) 2.0 m <sup>2</sup>	WDOE	7-8-98	HARTFORD	258	384-386	2,580 S.F. 140 S.F. 20 S.F.
3	OAK KNOLL PARTNERSHIP	5,6	0+238.2 LT 0+161.3 LT 0+160.0 LT 0+160.6 LT 0+409.6 LT 0+455.1 LT	0+493.9 LT 0+368.8 LT 0+360.6 LT 0+498.3 LT 0+494.4 LT	0.1508 ha	CUL. (P) CONST. (T) 0.0573 ha SLOPE (P) 0.0785 ha LANDSCAPE (T) 353.9 m <sup>2</sup> SLOPE (T) 16.6 m <sup>2</sup>	WDOE	4-10-97	HARTFORD	256	315-317	0.38 AC 6,240 S.F. 8,550 S.F. 3,810 S.F. 180 S.F.
4	ESTATE OF JAMES F. WITHINGTON	5,6	0+314.3 RT 0+329.3 RT 0+325.0 RT	0+464.3 RT 0+356.0 RT 0+358.6 RT	0.0401 ha	SLOPE (T) 5.9 m <sup>2</sup> CONST. (T) 0.0345 ha						0.10 AC 65 S.F. 3,760 S.F.
5	ETHEL LARABEE NANCY L. RAYMOND RICHARD K. LARABEE	6	0+464.3 RT 0+464.3 RT	0+512.6 RT 0+516.8 RT	308.5 m <sup>2</sup>	LANDSCAPE (T) 230.3 m <sup>2</sup>	WDOE	11-05-99	HARTFORD	280	430-431	3,320 S.F. 2,480 S.F.
6	GREEN MOUNTAIN POWER CORPORATION	6	0+504.2 LT 0+587.4 LT 0+558.7 LT	0+577.8 RT 0+578.1 LT 0+578.4 LT	1342.1 m <sup>2</sup>	SLOPE (T) 9.8 m <sup>2</sup> CONST. (T) 23.2 m <sup>2</sup>	QCD	7-13-98	HARTFORD	275	117-119	14,450 S.F. 105 S.F. 250 S.F.
7	MATTHEW J. GRAY ROBIN L. GRAY	6	0+537.1 LT			DIT. (P)	WDOE	9-28-98	HARTFORD	262	353-356	
8A	PIPPIN BROTHERS, L.L.C.	6	0+588.2 LT 0+587.4 LT 0+680.5 LT 0+589.7 RT 0+589.7 RT 0+605.0 LT 0+607.2 RT 0+698.6 RT 0+586.6 LT 0+609.9 RT	0+712.0 RT 0+653.5 LT 0+704.2 LT 0+677.7 RT 0+603.8 RT 0+607.2 RT 0+703.5 LT 0+700.9 LT 0+713.0 RT	0.1196 ha	SLOPE (T) 170.3 m <sup>2</sup> SLOPE (T) 23.1 m <sup>2</sup> SLOPE (T) 288.9 m <sup>2</sup> CUL. (P) CUL. (P) DR. (P) DIT., CUL. & DR. (P) CONST. (T) 329.6 m <sup>2</sup> CONST. (T) 251.1 m <sup>2</sup>	WD	1-28-99	HARTFORD	267	525-527	0.29 AC 1,830 S.F. 250 S.F. 3,215 S.F. 3,550 S.F. 2,700 S.F.
8B	PIPPIN BROTHERS, L.L.C.	7,8	0+816.5 0+817.2 LT 1+085.9 LT 1+280.3 LT 0+818.3 LT 0+866.8 LT 0+872.9 LT 1+301.2 LT 1+309.1 LT 1+345.1 LT	1+366.7 1+073.9 LT 1+179.5 LT 1+352.9 LT 1+348.6 LT 1+309.1 LT	0.4751 ha	SLOPE (T) 298.7 m <sup>2</sup> SLOPE (T) 35.2 m <sup>2</sup> SLOPE (T) 201.2 m <sup>2</sup> CONST. (T) 0.1113 ha WATER PIPE (T) SEWER PIPE (T) DIT. & DR. (P) CUL. (P) DR. (P)					1.19 AC 3,215 S.F. 380 S.F. 2,165 S.F. 0.29 AC	
8C	PIPPIN BROTHERS, L.L.C.	3R,6	0+589.7 RT	0+721.0 RT	0.3399 ha	UNECONOMIC REMINANT						0.84 AC FEE ACQUISITION

**TABLE OF REVISIONS**

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	4,8	PARCEL NO. 9 KEENAN. DELETE DOUGLASS R. REICHEY FROM TITLE. PER C.O. 8862.	02-19-97	C.C.P.	L.W.B.
2	4,9,10	PARCEL NO. 11 BENNETT. REMOVE PAUL BENNETT FROM TITLE. PER C.O. 8874.	03-20-97	C.C.P.	L.W.B.
3	4,8,9	PARCEL NO.10 WINDMARK, INC. CHANGE NAME TO WOODHAVEN MANOR CONDOMINIUM ASSOCIATION, INC. PER C.O. 8883.	03-20-97	C.C.P.	L.W.B.
4	4	PARCEL NO.12 HARTFORD SCHOOL DISTRICT. ADD DITCH & DRAINAGE (P) AT STATION 1+720 LT. ON DETAIL SHEET. PER C.O. 8884.	03-20-97	C.C.P.	L.W.B.
5	3,6,7,8	PARCEL NO. 8 PIPPIN BROTHERS L.L.C. CHANGE NAME TO SHOW PIPPIN BROTHERS L.L.C. AS CURRENT OWNER AS OF 03/24/98. PER C.O. 8954.	04-01-98	W.L.G.	L.W.B.
6	3,5	PARCEL NO. 2 DAVIS. CHANGE NAME TO LEDGESTONE COMMONS CONDOMINIUM OWNERS ASSOCIATION, INC. PER C.O. 8967.	05-19-98	W.L.G.	L.W.B.
7	3,7,8	PARCEL NO. 8 PIPPIN. REMOVE DIT., CUL. & DR. (P) AT STA. 0+880 LT.; REMOVE DIT., CUL. & DR. (P) AT STA. 1+060 LT.; REMOVE DIT. & DR. (P) AT STA. 1+181.7 LT.; REMOVE DIT. & DR. (P) AT STA. 1+235.2 LT.; REMOVE DIT. & DR. (P) AT STA. 1+235.2-1+246.7 LT.; REMOVE CUL. (P) AT STA. 1+246.7 LT. PER C.O. 8993.	09-08-98	M.J.R.	L.W.B.
8	3R,6	PARCEL NO. 8 PIPPIN. DELETE FIVE DIT., CUL. & DR.(P) RIGHTS PER C.O. 8993.	10-09-98	M.J.R.	L.W.B.
9	4,8R	PARCEL NO. 9 KEENAN. CHANGE OWNER TO SIMPSON DEVELOPMENT CORP. PER C.O. 8997.	10-09-98	M.J.R.	L.W.B.
10	3R,6	PARCEL NO. 8 PIPPIN. ADD PARCEL BC UNECONOMIC REMNANT PER C.O. 9009.	11-10-98	R.M.W.	L.W.B.
11	3R,6R	PARCEL NO. 4 WITHINGTON. DELETE DRAINAGE (P) PER C.O. 9053.	06-10-99	M.J.R.	L.W.B.
12	3R,5R 6R	PARCEL NO. 4 WITHINGTON. REMOVE MADE LINE AS CO-OWNER. PER C.O. 9054.	06-10-99	M.J.R.	L.W.B.
13	3R,6R	PARCEL NO. 5 RAYMOND. DELETE DRAINAGE (P) PER C.O. 9055.	06-10-99	M.J.R.	L.W.B.



THIS SHEET FOR ROW USE ONLY

REVISIONS STATE OF VERMONT AGENCY OF TRANSPORTATION TRANSPORTATION PATH HARTFORD STP BIKE (8) IN HARTFORD VERMONT		Proj. no. 93-070 Survey BFD/HLS design LAL Drawn ABR checked DLH/LAL Date 7-17-96 scale 1:500
LAMOUREUX & DICKINSON Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450 Engineers-Planners-Surveyors		Proj. no. R.O.W. TOP OF 10 8370851

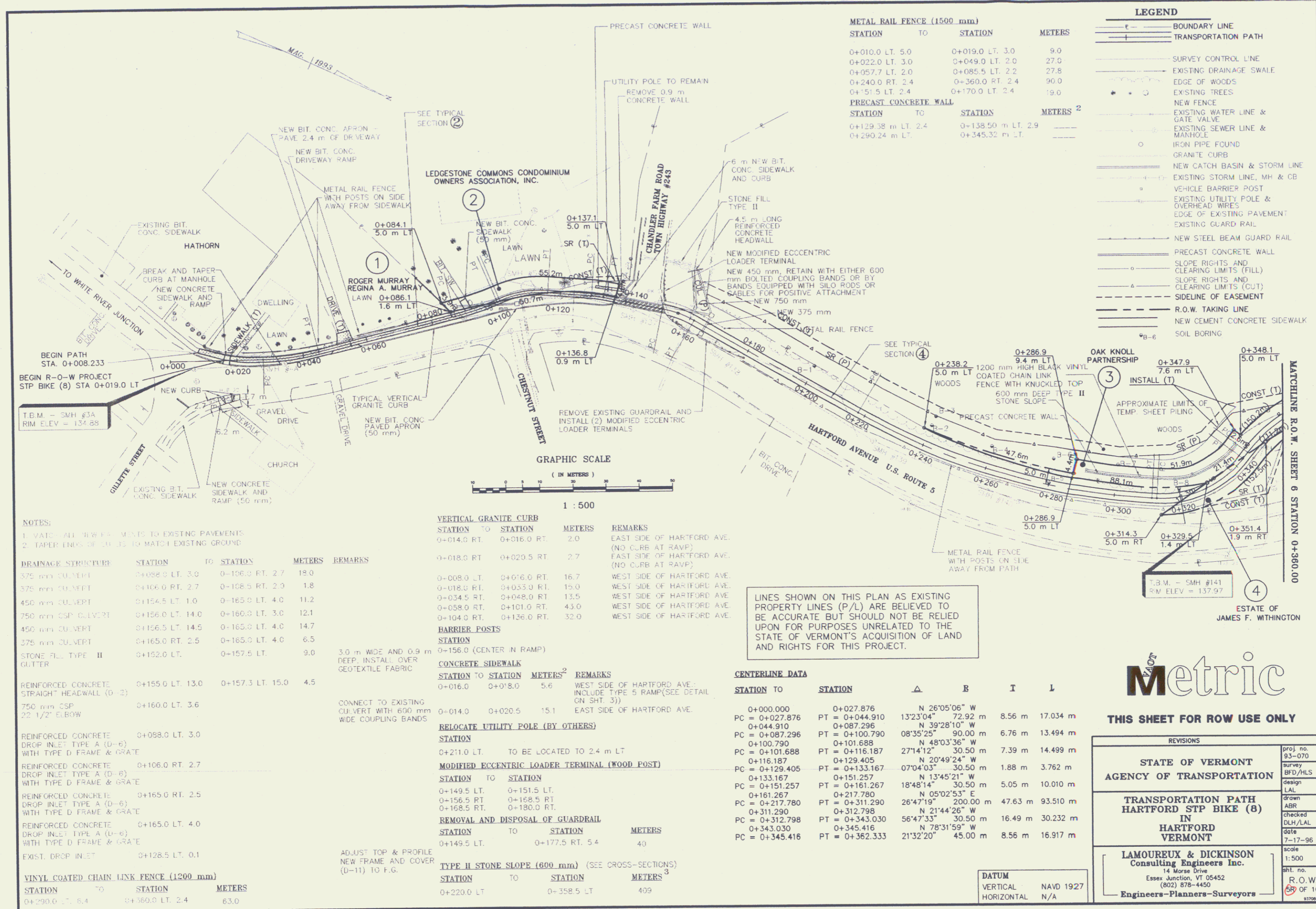
DR. (P) - DRAINAGE RIGHT  
 DIT. (P) - DITCHING RIGHT  
 CH. (P) - CHANNEL RIGHT  
 DRIVE (T) - DRIVE RIGHT  
 CUL. (P) - CULVERT RIGHT  
 W - WATER SOURCES

PRESENT R.O.W.  
 TAKING WITHOUT ACCESS  
 TAKING WITHOUT ACCESS ALONG PROPERTY LINE  
 TAKING WITH ACCESS  
 PERMANENT EASEMENT  
 TEMPORARY EASEMENT

... (P) ... CLEAR ZONE  
 ... CONST (T) ... CONSTRUCTION EASEMENT  
 SE SE SLOPE RIGHTS  
 P - PROPERTY LINE  
 - - - - - TOP OF CUT  
 - - - - - TOE OF SLOPE

2





**METAL RAIL FENCE (1500 mm)**

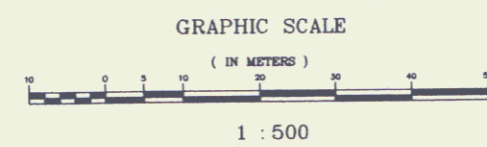
STATION	TO	STATION	METERS	
0+010.0 LT.	5.0	0+019.0 LT.	3.0	9.0
0+022.0 LT.	3.0	0+049.0 LT.	2.0	27.0
0+057.7 LT.	2.0	0+085.5 LT.	2.2	27.8
0+240.0 RT.	2.4	0+360.0 RT.	2.4	90.0
0+151.5 LT.	2.4	0+170.0 LT.	2.4	19.0

**PRECAST CONCRETE WALL**

STATION	TO	STATION	METERS	
0+129.38 m LT.	2.4	0+138.50 m LT.	2.9	
0+290.24 m LT.		0+345.32 m LT.		

**LEGEND**

- BOUNDARY LINE
- TRANSPORTATION PATH
- SURVEY CONTROL LINE
- EXISTING DRAINAGE SWALE
- EDGE OF WOODS
- EXISTING TREES
- NEW FENCE
- EXISTING WATER LINE & GATE VALVE
- EXISTING SEWER LINE & MANHOLE
- IRON PIPE FOUND
- GRANITE CURB
- NEW CATCH BASIN & STORM LINE
- EXISTING STORM LINE, MH & CB
- VEHICLE BARRIER POST
- EXISTING UTILITY POLE & OVERHEAD WIRES
- EDGE OF EXISTING PAVEMENT
- EXISTING GUARD RAIL
- NEW STEEL BEAM GUARD RAIL
- PRECAST CONCRETE WALL
- SLOPE RIGHTS AND CLEARING LIMITS (FILL)
- SLOPE RIGHTS AND CLEARING LIMITS (CUT)
- SIDELINE OF EASEMENT
- R.O.W. TAKING LINE
- NEW CEMENT CONCRETE SIDEWALK
- SOIL BORING



**NOTES:**

1. MATCH ALL CURB ELEVATIONS TO EXISTING PAVEMENTS
2. TAPER ENDS OF CURBS TO MATCH EXISTING GROUND

DRAINAGE STRUCTURE	STATION	TO	STATION	METERS	REMARKS
375 mm CU-VEHT	0+092.0 LT.	3.0	0+106.0 RT.	2.7	18.0
375 mm CU-VEHT	0+106.0 RT.	2.7	0+108.5 RT.	2.0	1.8
450 mm CU-VEHT	0+115.5 LT.	1.0	0+165.0 LT.	4.0	11.2
750 mm CSP CU-VEHT	0+156.0 LT.	14.0	0+160.0 LT.	3.0	12.1
450 mm CU-VEHT	0+156.5 LT.	14.5	0+165.0 LT.	4.0	14.7
375 mm CU-VEHT	0+165.0 RT.	2.5	0+165.0 LT.	4.0	6.5
STONE FILL TYPE II GUTTER	0+152.0 LT.		0+157.5 LT.		9.0
REINFORCED CONCRETE STRAIGHT HEADWALL (D-2)	0+155.0 LT.	13.0	0+157.3 LT.	15.0	4.5
750 mm CSP 22 1/2" ELBOW	0+160.0 LT.	3.6			
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE	0+098.0 LT.	3.0			
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE	0+106.0 RT.	2.7			
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE	0+165.0 RT.	2.5			
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE	0+165.0 LT.	4.0			
EXIST. DROP INLET	0+128.5 LT.	0.1			
VINYL COATED CHAIN LINK FENCE (1200 mm)	0+290.0 LT.	5.4	0+360.0 LT.	2.4	63.0

**VERTICAL GRANITE CURB**

STATION	TO	STATION	METERS	REMARKS
0+014.0 RT.		0+016.0 RT.	2.0	EAST SIDE OF HARTFORD AVE. (NO CURB AT RAMP)
0+018.0 RT.		0+020.5 RT.	2.7	EAST SIDE OF HARTFORD AVE. (NO CURB AT RAMP)
0+008.0 LT.		0+016.0 RT.	16.7	WEST SIDE OF HARTFORD AVE.
0+018.0 RT.		0+033.0 RT.	15.0	WEST SIDE OF HARTFORD AVE.
0+034.5 RT.		0+048.0 RT.	13.5	WEST SIDE OF HARTFORD AVE.
0+058.0 RT.		0+101.0 RT.	43.0	WEST SIDE OF HARTFORD AVE.
0+104.0 RT.		0+136.0 RT.	32.0	WEST SIDE OF HARTFORD AVE.

**HARRIER POSTS**

STATION	TO	STATION	METERS	REMARKS
0+156.0		(CENTER IN RAMP)		

**CONCRETE SIDEWALKS**

STATION	TO	STATION	METERS	REMARKS
0+016.0		0+018.0	5.6	WEST SIDE OF HARTFORD AVE. INCLUDE TYPE 5 RAMP (SEE DETAIL ON SHT. 3)
0+014.0		0+020.5	15.1	EAST SIDE OF HARTFORD AVE.

**RELOCATE UTILITY POLE (BY OTHERS)**

STATION	TO	STATION	METERS	REMARKS
0+211.0 LT.				TO BE LOCATED TO 2.4 m LT

**MODIFIED ECCENTRIC LOADER TERMINAL (WOOD POST)**

STATION	TO	STATION	METERS	REMARKS
0+149.5 LT.		0+151.5 LT.		
0+156.5 RT.		0+158.5 RT.		
0+168.5 RT.		0+180.0 RT.		

**REMOVAL AND DISPOSAL OF GUARDRAIL**

STATION	TO	STATION	METERS	REMARKS
0+149.5 LT.		0+177.5 RT.	5.4	40

**TYPE II STONE SLOPE (600 mm) (SEE CROSS-SECTIONS)**

STATION	TO	STATION	METERS	REMARKS
0+220.0 LT		0+358.5 LT	409	

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

**CENTERLINE DATA**

STATION TO	STATION	Δ	R	T	L
0+000.000	0+027.876	N 26°05'06" W			
PC = 0+027.876	PT = 0+044.910	13°23'04"	72.92 m	8.56 m	17.034 m
0+044.910	0+087.296	N 39°28'10" W			
PC = 0+087.296	PT = 0+100.790	08°35'25"	90.00 m	6.76 m	13.494 m
0+100.790	0+101.688	N 48°03'36" W			
PC = 0+101.688	PT = 0+116.187	27°14'12"	30.50 m	7.39 m	14.499 m
0+116.187	0+129.405	N 20°49'24" W			
PC = 0+129.405	PT = 0+133.167	07°04'03"	30.50 m	1.88 m	3.762 m
0+133.167	0+151.257	N 13°45'21" W			
PC = 0+151.257	PT = 0+161.267	18°48'14"	30.50 m	5.05 m	10.010 m
0+161.267	0+217.780	N 05°02'53" E			
PC = 0+217.780	PT = 0+311.290	26°47'19"	200.00 m	47.63 m	93.510 m
0+311.290	0+312.798	N 21°44'26" W			
PC = 0+312.798	PT = 0+343.030	56°47'33"	30.50 m	16.49 m	30.232 m
0+343.030	0+345.416	N 78°31'59" W			
PC = 0+345.416	PT = 0+362.333	21°32'20"	45.00 m	8.56 m	16.917 m

**DATUM**

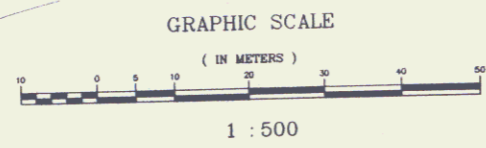
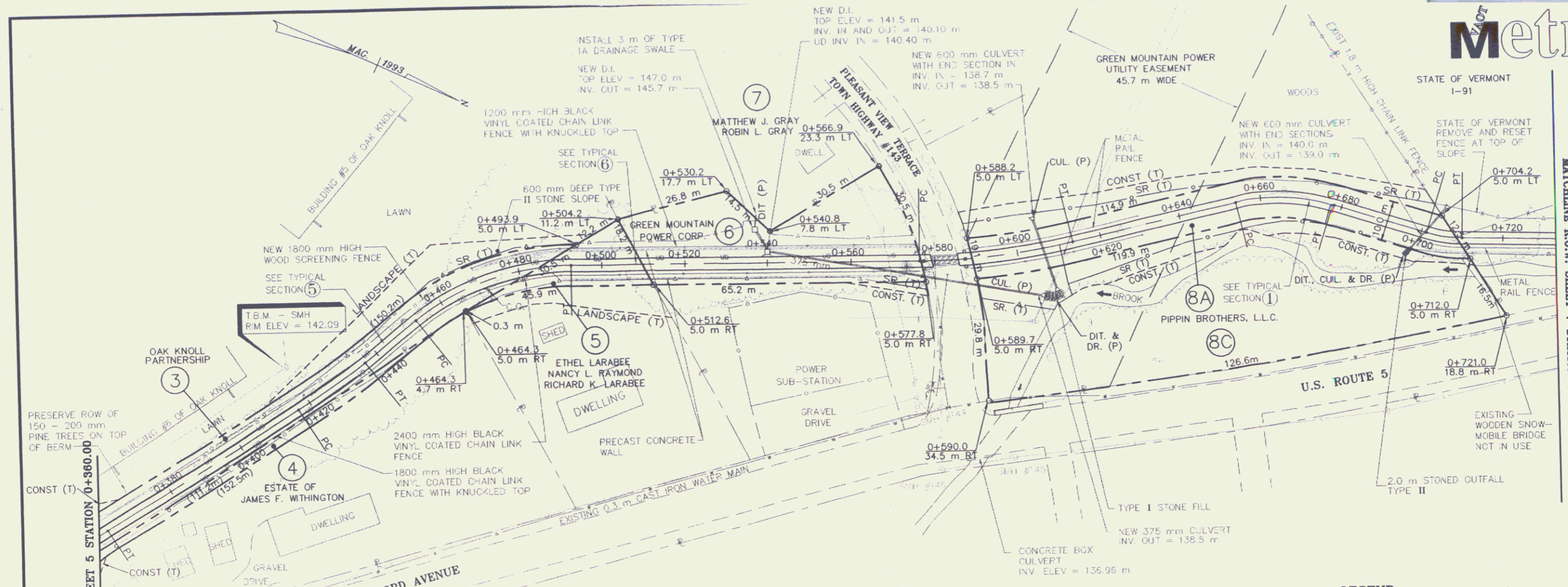
VERTICAL	NAVD 1927
HORIZONTAL	N/A

**Metric**

**THIS SHEET FOR ROW USE ONLY**

REVISIONS	
STATE OF VERMONT AGENCY OF TRANSPORTATION	proj. no. 93-070 survey BFD/HLS design LAL
TRANSPORTATION PATH HARTFORD STP BIKE (8) IN HARTFORD VERMONT	draw ASR checked DLH/LAL date 7-17-96 scale 1:500
LAMOUREUX & DICKINSON Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450 Engineers-Planners-Surveyors	sheet no. 6 OF 10 DATE NOV 04

ESTATE OF JAMES F. WINGTON



**DRAINAGE STRUCTURE**

STATION	TO	STATION	METERS
0+449.8 & 0+450.2 RT.	0+450.2	0+500 & 0+576 LT.	70
0+380.0 RT.	0+449.8 RT.		70
0+380.0 RT.	0+380.0 RT.		7
0+380.0 LT.	0+490.0 RT.		40
0+450.2 RT.	0+449.8 RT.		70
0+380.0 LT.	0+543.0 LT.		90
0+450.2 LT.	0+576.0 LT.		36
0+537.0 LT.	8.2		
0+540.0 LT.	2.6		
0+537.0 LT.	9.0	0+540.0 LT.	3.3 6.0
0+540.0 LT.	3.3	0+604.0 RT.	10.0 65.7
0+605.0 LT.	7.5	0+606.5 RT.	10.0 17.5
0+704.8 LT.	6.9	0+697.0 RT.	8.4 16.6
0+540.0 LT.	13.5	0+539.0 LT.	9.4 4.0
0+560.0 LT.	2.4	0+460.0 LT.	2.4 100.0
0+470.0 LT.		0+570.0 LT.	29.9

**VINYL COATED CHAIN LINK FENCE (1800 mm)**

STATION	TO	STATION	METERS
0+360.0 RT.	0+465.0 RT.		105.0

**VINYL COATED CHAIN LINK FENCE (2400 mm)**

STATION	TO	STATION	METERS
0+465.0 RT.	0+576.0 RT.		111.0

**VINYL COATED CHAIN LINK FENCE (1200 mm)**

STATION	TO	STATION	METERS
0+470.0 LT.	0+575.5 LT.		105.5

**PRECAST CONCRETE WALL**

STATION	TO	STATION	METERS <sup>2</sup>
0+470.0 LT.	0+575.57 LT.		
0+490.0 RT.	0+572.62 RT.		
0+700.0 RT.	0+732.65 RT.		

**METAL RAIL FENCE (1500mm)**

STATION	TO	STATION	METERS
0+589.4 LT.	0+630.0 LT.		40.6
0+589.4 RT.	0+630.0 RT.		40.6
0+700.0 RT.	0+732.5 RT.		32.5

**VEHICLE BARRIER POSTS**

STATION	TO	STATION	METERS
0+577.0 (3), AT LT. 1.7, CENTERED IN RAMP, & RT. 1.7			
0+587.0 (3), AT LT. 1.7, CENTERED IN RAMP, & RT. 1.7			

**CENTERLINE DATA**

STATION	TO	STATION	Δ	B	T	L
PC = 0+345.416		PT = 0+362.333	21°32'20"	45.00 m	8.56 m	16.917 m
0+362.333		0+416.852	N 56°59'39" W	180.00 m	9.80 m	19.584 m
PC = 0+416.852		PT = 0+436.436	06°14'01"	180.00 m	20.83 m	40.089 m
0+436.436		0+452.473	N 63°13'41" W	50.00 m	20.83 m	40.089 m
PC = 0+452.473		PT = 0+492.562	38°16'57"	160.00 m	18.56 m	36.962 m
0+492.562		0+576.312	N 24°56'44" W	160.00 m	12.46 m	24.317 m
PC = 0+576.312		PT = 0+613.274	13°14'10"	45.00 m	4.47 m	8.878 m
0+613.274		0+678.235	N 07°13'15" W	30.50 m		
PC = 0+678.235		PT = 0+701.247	16°40'40"	30.50 m		
0+701.247		0+710.125	N 23°53'55" W			
PC = 0+710.125		PT = 0+732.65				

**LEGEND**

BOUNDARY LINE	VEHICLE BARRIER POST
TRANSPORTATION PATH	EXISTING UTILITY POLE & OVERHEAD WIRES
SURVEY CONTROL LINE	EXISTING GUARD RAIL
EXISTING DRAINAGE SWALE	NEW STEEL BEAM GUARD RAIL
EDGE OF WOODS	NEW WOOD SCREENING FENCE
NEW FENCE	PRECAST CONCRETE WALL
EXISTING WATER LINE & GATE VALVE	SLOPE RIGHTS AND CLEARING LIMITS (FILL)
EXISTING SEWER LINE & MANHOLE	SLOPE RIGHTS AND CLEARING LIMITS (CUT)
IRON PIPE FOUND	SIDELINE OF EASEMENT
EDGE OF EXISTING PAVEMENT	R.O.W. TAKING LINE
PRECAST CONCRETE WALL	UNDERDRAIN WITH FLUSHING BASIN
NEW CATCH BASIN & STORM LINE	
EXISTING STORM LINE, MH & CB	

**REMOVING AND RESETTING FENCE**

STATION	TO	STATION	METERS
0+703.7 LT.	0+722.2 LT.		17.4

**NOTES:**  
1. MATCH ALL NEW PAVEMENTS TO EXISTING PAVEMENTS  
2. TAPER ENDS OF CURBS TO MATCH EXISTING GROUND

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

**DATUM**  
VERTICAL NAVD 1927  
HORIZONTAL N/A

**THIS SHEET FOR ROW USE ONLY**

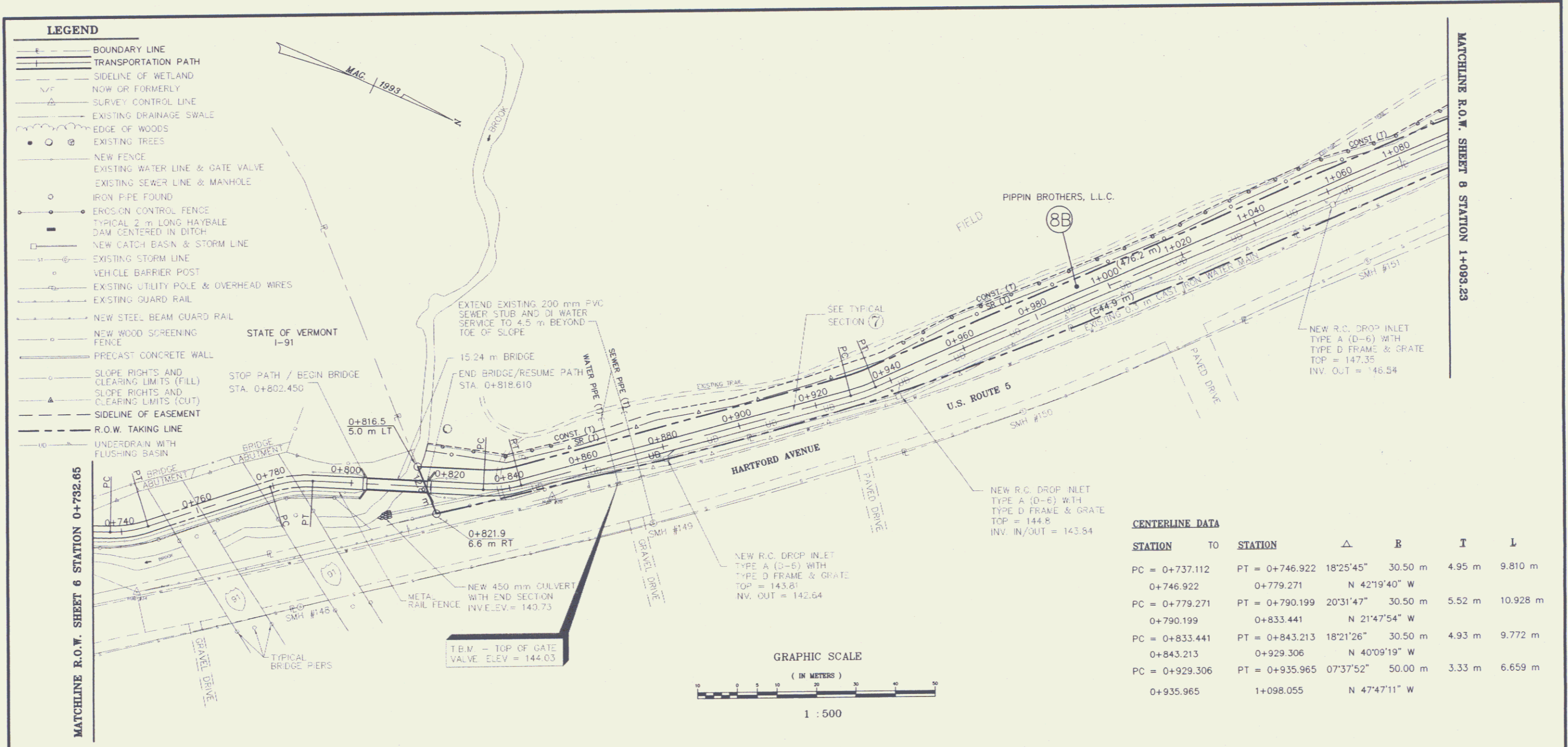
REVISIONS		proj. no.
		93-070
		survey
		BFD/HLS
		design
		LAL
		drawn
		ABR
		checked
		LAL
		date
		7-17-95
		scale
		1:500
		sht. no.
		R.O.W.
		(6) OF 10
		93-070

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

TRANSPORTATION PATH  
HARTFORD STP BIKE (8)  
IN  
HARTFORD  
VERMONT

LAMOUREUX & DICKINSON  
Consulting Engineers Inc.  
14 Morse Drive  
Essex Junction, VT 05452  
(802) 878-4450  
Engineers-Planners-Surveyors

NOV 5



TYPE II STONE SLOPE (600mm) (SEE CROSS SECTIONS)

STATION	TO	STATION	METERS <sup>3</sup>
0+749.5 LT.		0+789.0 LT.	83.3
0+799.7 LT.		0+816.0 LT.	74.1
0+799.7 RT.		0+810.2 RT.	32.2
0+811.8 RT.		0+821.5 RT.	30.0
0+814.0 LT.		0+823.2 LT.	26.6

PRECAST CONCRETE WALL

STATION	TO	STATION	METERS <sup>2</sup>
0+732.65 RT.		0+802.51 RT.	

DRAINAGE STRUCTURES

STATION	TO	STATION	METERS
0+878.8, 0+950, 1+070 & 1+060 RT			
150 mm UNDERDRAN	0+820.0 RT	0+879.0 RT	59 m
150 mm UNDERDRAN	0+880.0 RT	1+246.0 RT	366 m
375 mm CULVERT W/ (1) END SECT	0+880.0 RT 3.0 m	0+880.0 LT 5.0 m	8.0 m
375 mm CULVERT W/ (1) END SECT	1+060.0 RT 3.5 m	1+060.0 LT 6.0 m	9.5 m
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE		1+060.0 RT 3.0 m	
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE		1+060.0 RT 3.5 m	

METAL RAIL FENCE (1500 mm)

STATION	TO	STATION	METERS
0+732.5 RT.		0+803.9 RT.	71.4
0+790.0 LT.		0+803.9 LT.	13.9
0+819.6 LT. & RT.		0+826.5 LT. & RT.	13.8

CENTERLINE DATA

STATION	TO	STATION	Δ	R	T	L
PC = 0+737.112		PT = 0+746.922	18°25'45"	30.50 m	4.95 m	9.810 m
0+746.922		0+779.271	N 42°19'40" W			
PC = 0+779.271		PT = 0+790.199	20°31'47"	30.50 m	5.52 m	10.928 m
0+790.199		0+833.441	N 21°47'54" W			
PC = 0+833.441		PT = 0+843.213	18°21'26"	30.50 m	4.93 m	9.772 m
0+843.213		0+929.306	N 40°09'19" W			
PC = 0+929.306		PT = 0+935.965	07°37'52"	50.00 m	3.33 m	6.659 m
0+935.965		1+098.055	N 47°47'11" W			

NOTES: LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

DATUM

VERTICAL	NAVD 1927
HORIZONTAL	N/A

REVISIONS	
STATE OF VERMONT AGENCY OF TRANSPORTATION	Proj. no. 93-070 Survey BFD/HLS Design LAL
TRANSPORTATION PATH HARTFORD STP BIKE (8) IN HARTFORD VERMONT	Drawn ABR Checked DUK/LAL Date 7-17-96
LAMOUREUX, STONE & O'LEARY Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450 Engineers-Planners-Surveyors	Scale 1:500 Sht. no. 719 OF 10 R.O.W. 11/20/94

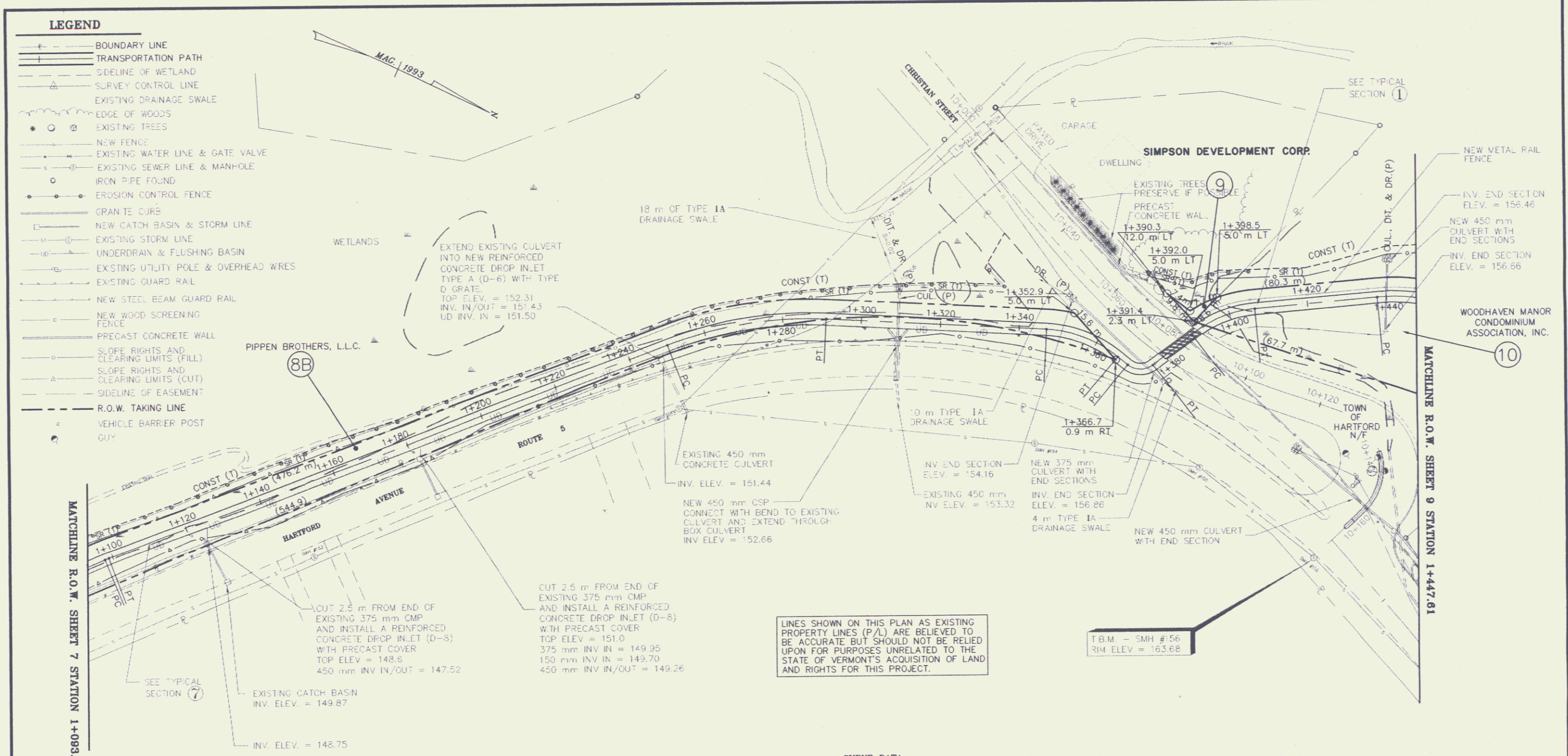
NOV 03  
6



MATCHLINE R.O.W. SHEET 8 STATION 1+098.23

**LEGEND**

- BOUNDARY LINE
- TRANSPORTATION PATH
- SIDELINE OF WETLAND
- NOW OR FORMERLY
- SURVEY CONTROL LINE
- EXISTING DRAINAGE SWALE
- EDGE OF WOODS
- EXISTING TREES
- NEW FENCE
- EXISTING WATER LINE & GATE VALVE
- EXISTING SEWER LINE & MANHOLE
- IRON PIPE FOUND
- EROSION CONTROL FENCE
- TYPICAL 2 m LONG HAYBALE DAM CENTERED IN DITCH
- NEW CATCH BASIN & STORM LINE
- EXISTING STORM LINE
- VEHICLE BARRIER POST
- EXISTING UTILITY POLE & OVERHEAD WIRES
- EXISTING GUARD RAIL
- NEW STEEL BEAM GUARD RAIL
- NEW WOOD SCREENING FENCE
- PRECAST CONCRETE WALL
- SLOPE RIGHTS AND CLEARING LIMITS (FILL)
- SLOPE RIGHTS AND CLEARING LIMITS (CUT)
- SIDELINE OF EASEMENT
- R.O.W. TAKING LINE
- UNDERDRAN WITH FLUSHING BASIN



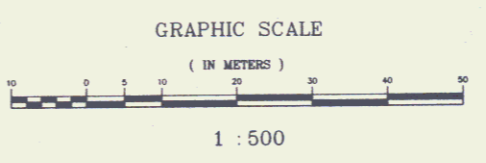
- LEGEND**
- BOUNDARY LINE
  - TRANSPORTATION PATH
  - SIDELINE OF WETLAND
  - SURVEY CONTROL LINE
  - EXISTING DRAINAGE SWALE
  - EDGE OF WOODS
  - EXISTING TREES
  - NEW FENCE
  - EXISTING WATER LINE & GATE VALVE
  - EXISTING SEWER LINE & MAN-HOLE
  - IRON PIPE FOUND
  - EROSION CONTROL FENCE
  - GRANITE CURB
  - NEW CATCH BASIN & STORM LINE
  - EXISTING STORM LINE
  - UNDERDRAIN & FLUSHING BASIN
  - EXISTING UTILITY POLE & OVERHEAD WIRES
  - EXISTING GUARD RAIL
  - NEW STEEL BEAM GUARD RAIL
  - NEW WOOD SCREENING FENCE
  - PRECAST CONCRETE WALL
  - SLOPE RIGHTS AND CLEARING LIMITS (FILL)
  - SLOPE RIGHTS AND CLEARING LIMITS (CUT)
  - SIDELINE OF EASEMENT
  - R.O.W. TAKING LINE
  - VEHICLE BARRIER POST GUY

DRAINAGE STRUCTURE	STATION	TO	STATION	METERS
FLUSHING BASINS	1+120, 1+180, 1+246, 1+300 & 1+340	RT.		
150 mm UNDERDRAIN	1+247.5	RT.	1+340.0	92.5
375 mm CULVERT w/ (1) END SECT.	1+182.5	3.7 RT.	1+182.5	4.5 RT.
450 mm CULVERT	1+247.5	3.0 RT.	1+247.5	4.5 RT.
450 mm CULVERT w/ (1) END SECT.	1+246.5	5.0 LT.	1+247.5	3.0 RT.
450 mm CSP w/ BEND & (1) END SECT.	1+309.0	7.4 LT.	1+309.9	14.0 RT.
375 mm CULVERT w/ (2) END SECTS.	1+352.3	5.1 LT.	1+376.9	5.0 RT.
450 mm CULVERT w/ (2) END SECTS.	1+440.0	8.0 LT.	1+439.0	8.5 RT.
REINFORCED CONCRETE DROP INLET TYPE A (D-6) WITH TYPE D FRAME & GRATE	1+247.5	3.0 RT.		
REINFORCED CONCRETE DROP INLET (D-8) WITH PRECAST COVER	1+182.5	4.3 RT.		

- NOTES:**
- MATCH ALL NEW PAVEMENTS TO EXISTING PAVEMENTS AND INSTALL A REINFORCED CONCRETE DROP INLET (D-8) WITH PRECAST COVER TOP ELEV = 151.0 375 mm INV IN = 149.95 150 mm INV IN = 149.70 450 mm INV IN/OUT = 149.26
- BARRIER POSTS**
- STATION**
- 1+377.5 (3) AT LT. 1.7, CENTERED IN PATH, & RT. 1.7
  - 1+393.0 (3) AT LT. 1.7, CENTERED IN PATH, & RT. 1.7
- METAL RAIL FENCE (1500 mm)**
- | STATION | TO        | STATION | METERS    |      |
|---------|-----------|---------|-----------|------|
| 1+392.0 | LT. 2.4 m | 1+447.5 | LT. 2.4 m | 56.9 |

**CURVE DATA**

STATION	TO	STATION	Δ	B	T	L
PC = 1+098.055		PT = 1+099.131	02°01'17"	30.50 m	0.54 m	1.076 m
1+099.131		1+250.253	N 45°45'58" W			
PC = 1+250.253		PT = 1+291.153	23°26'02"	100.00 m	20.74 m	40.900 m
1+291.153		1+346.946	N 22°19'55" W			
PC = 1+346.946		PT = 1+366.593	36°54'28"	30.50 m	10.18 m	19.647 m
1+366.593		1+369.886	N 14°34'30" E			
PC = 1+369.886		PT = 1+376.669	77°43'39"	5.00 m	4.03 m	6.783 m
1+376.669		1+389.142	N 63°09'34" W			
PC = 1+389.142		PT = 1+406.641	32°52'22"	30.50 m	9.00 m	17.499 m
1+406.641		1+437.833	N 30°17'13" W			
PC = 1+437.833		PT = 1+474.420	46°35'04"	45.00 m	19.37 m	36.587 m



**DATUM**

VERTICAL NAVD 1927  
HORIZONTAL N/A

**REVISIONS**

NO.	DESCRIPTION	DATE

**STATE OF VERMONT**  
**AGENCY OF TRANSPORTATION**

**TRANSPORTATION PATH**  
**HARTFORD STP BIKE (8)**  
**IN**  
**HARTFORD**  
**VERMONT**

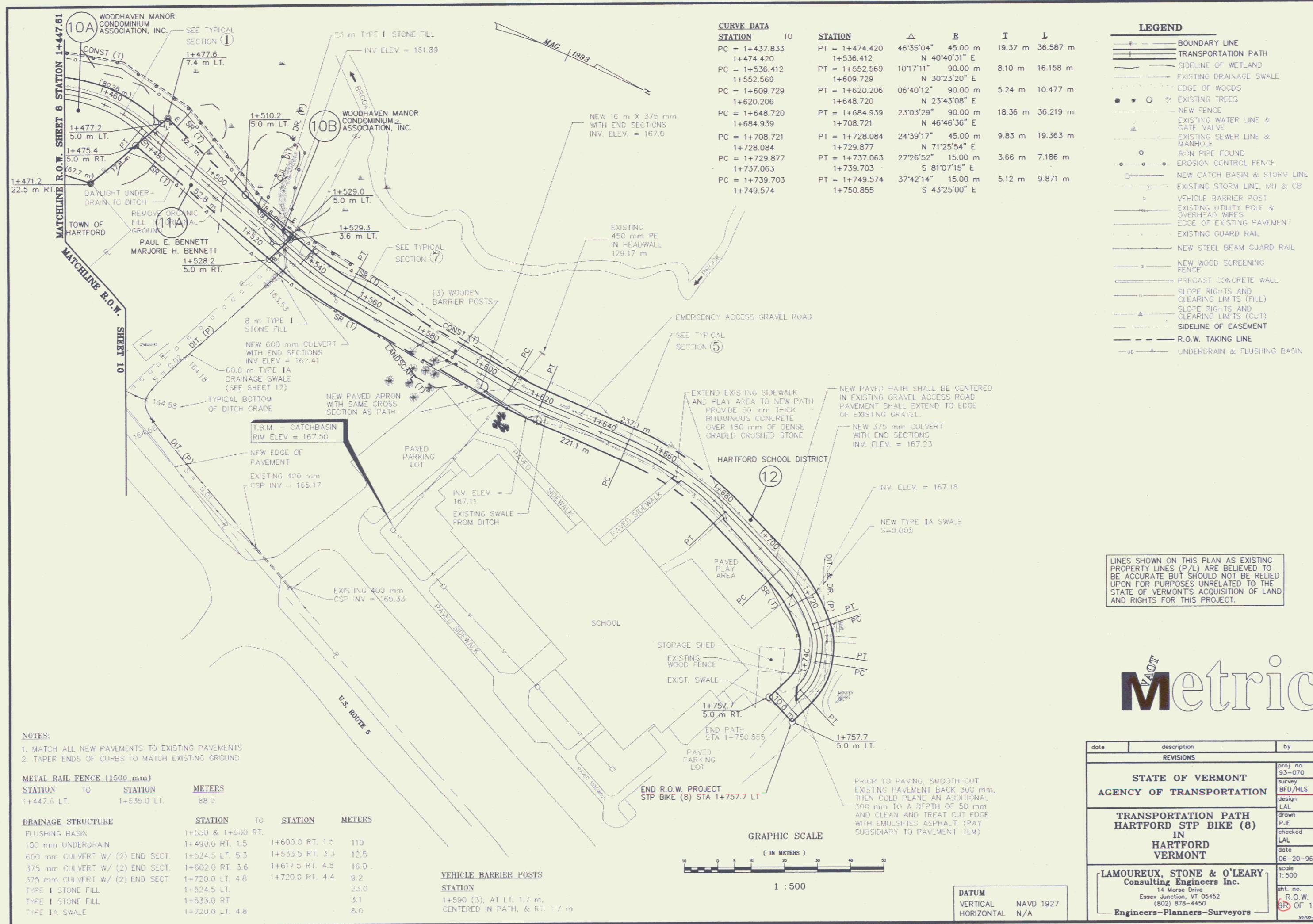
**LAMOUREUX, STONE & O'LEARY**  
Consulting Engineers Inc.  
14 Morse Drive  
Essex Junction, VT 05452  
(802) 878-4450  
Engineers-Planners-Surveyors

proj. no. 93-070  
survey BFD/JLS  
design LAL  
drawn ABR  
checked DLH/LAL  
date 7-17-96  
scale 1:500  
sheet no. R.O.W. 8 OF 10  
3750-21

NOV 07

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

T.B.M. - SMH #56  
RIM ELEV = 163.68



**CURVE DATA**

STATION	TO	STATION	Δ	B	T	L
PC = 1+437.833		PT = 1+474.420	46°35'04"	45.00 m	19.37 m	36.587 m
1+474.420		1+536.412	N 40°40'31" E			
PC = 1+536.412		PT = 1+552.569	10°17'11"	90.00 m	8.10 m	16.158 m
1+552.569		1+609.729	N 30°23'20" E			
PC = 1+609.729		PT = 1+620.206	06°40'12"	90.00 m	5.24 m	10.477 m
1+620.206		1+648.720	N 23°43'08" E			
PC = 1+648.720		PT = 1+684.939	23°03'29"	90.00 m	18.36 m	36.219 m
1+684.939		1+708.721	N 46°46'36" E			
PC = 1+708.721		PT = 1+728.084	24°39'17"	45.00 m	9.83 m	19.363 m
1+728.084		1+729.877	N 71°25'54" E			
PC = 1+729.877		PT = 1+737.063	27°26'52"	15.00 m	3.66 m	7.186 m
1+737.063		1+739.703	S 81°07'15" E			
PC = 1+739.703		PT = 1+749.574	37°42'14"	15.00 m	5.12 m	9.871 m
1+749.574		1+750.855	S 43°25'00" E			

**LEGEND**

- BOUNDARY LINE
- TRANSPORTATION PATH
- SIDELINE OF WETLAND
- EXISTING DRAINAGE SWALE
- EDGE OF WOODS
- ○ ○ ○ ○ ○ EXISTING TREES
- NEW FENCE
- EXISTING WATER LINE & GATE VALVE
- EXISTING SEWER LINE & MANHOLE
- ○ ○ ○ ○ ○ R/O.N PIPE FOUND
- EROSION CONTROL FENCE
- NEW CATCH BASIN & STORV LINE
- EXISTING STORM LINE, MH & CB
- ○ ○ ○ ○ ○ VEHICLE BARRIER POST
- EXISTING UTILITY POLE & OVERHEAD WIRES
- EDGE OF EXISTING PAVEMENT
- EXISTING GUARD RAIL
- NEW STEEL BEAM GUARD RAIL
- NEW WOOD SCREENING FENCE
- PRECAST CONCRETE WALL
- SLOPE RIGHTS AND CLEARING LIMITS (FILL)
- SLOPE RIGHTS AND CLEARING LIMITS (CUT)
- SIDELINE OF EASEMENT
- R.O.W. TAKING LINE
- UNDERDRAIN & FLUSHING BASIN

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**NOTES:**  
 1. MATCH ALL NEW PAVEMENTS TO EXISTING PAVEMENTS  
 2. TAPER ENDS OF CURBS TO MATCH EXISTING GROUND

**METAL RAIL FENCE (1500 mm)**

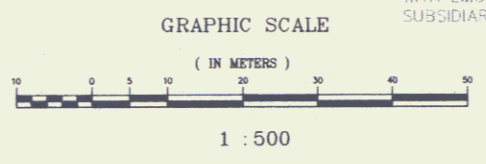
STATION	TO	STATION	METERS
1+447.6 LT.		1+535.0 LT.	88.0

**DRAINAGE STRUCTURE**

STATION	TO	STATION	METERS
1+550	1+600	RT. 1.5	110
1+490.0	RT. 1.5	1+600.0	RT. 1.5
1+524.5	LT. 5.3	1+533.5	RT. 3.3
1+602.0	RT. 3.6	1+617.5	RT. 4.8
1+720.0	LT. 4.8	1+720.0	RT. 4.4
1+524.5	LT.		23.0
1+533.0	RT.		3.1
1+720.0	LT. 4.8		6.0

**VEHICLE BARRIER POSTS**

STATION	TO	STATION	METERS
1+590	(3), AT LT. 1.7 m,		
	CENTERED IN PATH, & RT. 1.7 m		



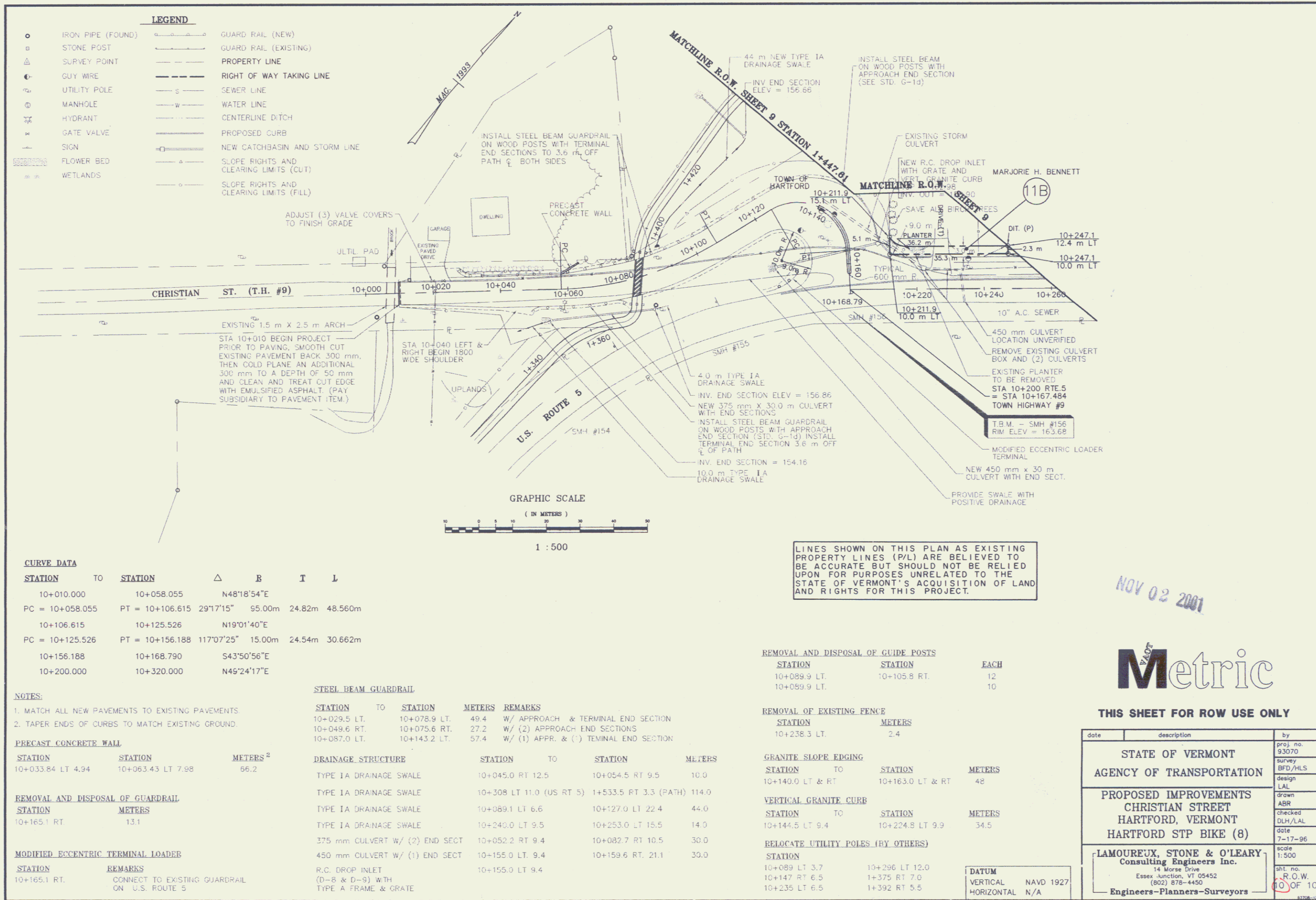
**DATUM**

VERTICAL	NAVD 1927
HORIZONTAL	N/A



date	description	by
<b>REVISIONS</b>		
<b>STATE OF VERMONT</b>		
<b>AGENCY OF TRANSPORTATION</b>		
<b>TRANSPORTATION PATH</b>		
<b>HARTFORD STP BIKE (8)</b>		
<b>IN</b>		
<b>HARTFORD</b>		
<b>VERMONT</b>		
<b>LAMOUREUX, STONE &amp; O'LEARY</b>		
<b>Consulting Engineers Inc.</b>		
14 Morse Drive Essex Junction, VT 05452 (802) 878-4450		
<b>Engineers-Planners-Surveyors</b>		
proj. no.	93-070	
Survey	BRD/MS	
Design	LAL	
Drawn	PJE	
Checked	LAL	
date	06-20-96	
scale	1:500	
sheet no.	R.O.W.	
	5B	OF 10

NOV 0 8



**LEGEND**

○	IRON PIPE (FOUND)	—	GUARD RAIL (NEW)
□	STONE POST	—	GUARD RAIL (EXISTING)
△	SURVEY POINT	---	PROPERTY LINE
⊙	GUY WIRE	---	RIGHT OF WAY TAKING LINE
⊕	UTILITY POLE	---	SEWER LINE
⊖	MANHOLE	---	WATER LINE
⊗	HYDRANT	---	CENTERLINE DITCH
⊘	GATE VALVE	---	PROPOSED CURB
—	SIGN	---	NEW CATCHBASIN AND STORM LINE
---	FLOWER BED	---	SLOPE RIGHTS AND CLEARING LIMITS (CUT)
---	WETLANDS	---	SLOPE RIGHTS AND CLEARING LIMITS (FILL)

**CURVE DATA**

STATION	TO	STATION	Δ	R	I	L
10+010.000		10+058.055		N48°18'54"E		
PC = 10+058.055	PT = 10+106.615		29°17'15"	95.00m	24.82m	48.560m
10+106.615		10+125.526		N19°01'40"E		
PC = 10+125.526	PT = 10+156.188		117°07'25"	15.00m	24.54m	30.662m
10+156.188		10+168.790		S43°50'56"E		
10+200.000		10+320.000		N45°24'17"E		

**NOTES:**

- MATCH ALL NEW PAVEMENTS TO EXISTING PAVEMENTS.
- TAPER ENDS OF CURBS TO MATCH EXISTING GROUND.

**PRECAST CONCRETE WALL**

STATION	STATION	METERS <sup>2</sup>
10+033.84 LT 4.94	10+063.43 LT 7.98	66.2

**REMOVAL AND DISPOSAL OF GUARDRAIL**

STATION	METERS
10+165.1 RT	13.1

**MODIFIED ECCENTRIC TERMINAL LOADER**

STATION	REMARKS
10+165.1 RT.	CONNECT TO EXISTING GUARDRAIL ON U.S. ROUTE 5

**STEEL BEAM GUARDRAIL**

STATION	TO	STATION	METERS	REMARKS
10+029.5 LT.	10+078.9 LT.	49.4	W/ APPROACH & TERMINAL END SECTION	
10+049.6 RT.	10+075.6 RT.	27.2	W/ (2) APPROACH END SECTIONS	
10+087.0 LT.	10+143.2 LT.	57.4	W/ (1) APPR. & (1) TERMINAL END SECTION	

**DRAINAGE STRUCTURE**

STATION	TO	STATION	METERS
TYPE 1A DRAINAGE SWALE	10+045.0 RT 12.5	10+054.5 RT 9.5	10.0
TYPE 1A DRAINAGE SWALE	10+308 LT 11.0 (US RT 5)	1+533.5 RT 3.3 (PATH) 114.0	
TYPE 1A DRAINAGE SWALE	10+089.1 LT 6.6	10+127.0 LT 22.4	44.0
TYPE 1A DRAINAGE SWALE	10+240.0 LT 9.5	10+253.0 LT 15.5	14.0
375 mm CULVERT W/ (2) END SECT	10+052.2 RT 9.4	10+082.7 RT 10.5	30.0
450 mm CULVERT W/ (1) END SECT	10+155.0 LT. 9.4	10+159.6 RT. 21.1	30.0
R.C. DROP INLET	10+155.0 LT 9.4		
(D-8 & D-9) WITH TYPE A FRAME & GRATE			

**REMOVAL AND DISPOSAL OF GUIDE POSTS**

STATION	STATION	EACH
10+089.9 LT.	10+105.8 RT.	12
10+059.9 LT.		10

**REMOVAL OF EXISTING FENCE**

STATION	METERS
10+238.3 LT.	2.4

**GRANITE SLOPE EDGING**

STATION	TO	STATION	METERS
10+140.0 LT & RT		10+163.0 LT & RT	48

**VERTICAL GRANITE CURB**

STATION	TO	STATION	METERS
10+144.5 LT 9.4		10+224.8 LT 9.9	34.5

**RELOCATE UTILITY POLES (BY OTHERS)**

STATION	STATION	METERS
10+089 LT 3.7	10+296 LT 12.0	
10+147 RT 6.5	1+375 RT 7.0	
10+235 LT 6.5	1+392 RT 5.5	

**DATUM**  
 VERTICAL NAVD 1927  
 HORIZONTAL N/A

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NOV 02 2001

**Metric**

**THIS SHEET FOR ROW USE ONLY**

date	description	by
	STATE OF VERMONT AGENCY OF TRANSPORTATION	proj. no. 93070 survey BFD/HLS design LAL
	PROPOSED IMPROVEMENTS CHRISTIAN STREET HARTFORD, VERMONT HARTFORD STP BIKE (8)	drawn ABR checked DLH/LAL date 7-17-96
	LAMOUREUX, STONE & O'LEARY Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 876-4450	scale 1:500 sh. no. R.O.W. 10 OF 10