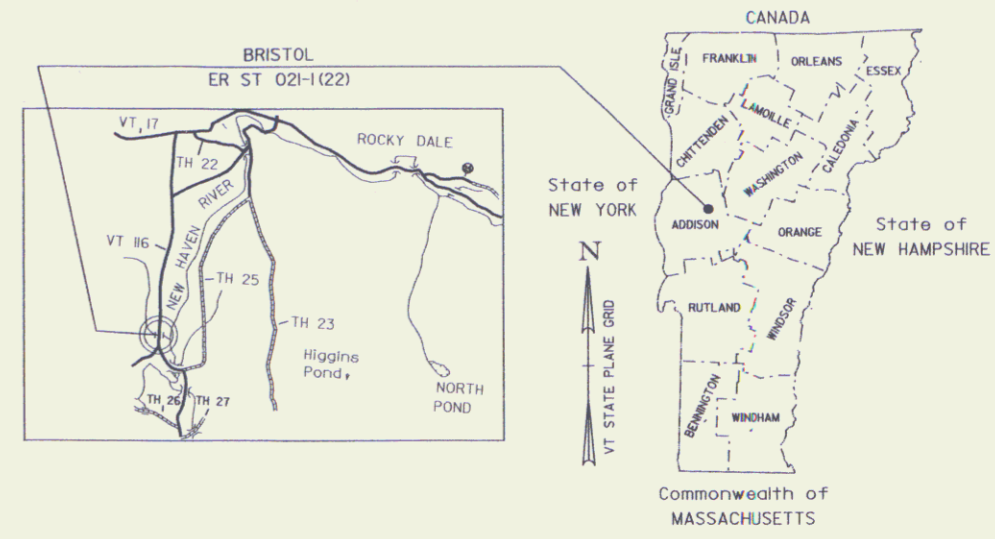


STATE OF VERMONT
AGENCY OF TRANSPORTATION



R. O. W. PLANS

PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF BRISTOL
COUNTY OF ADDISON



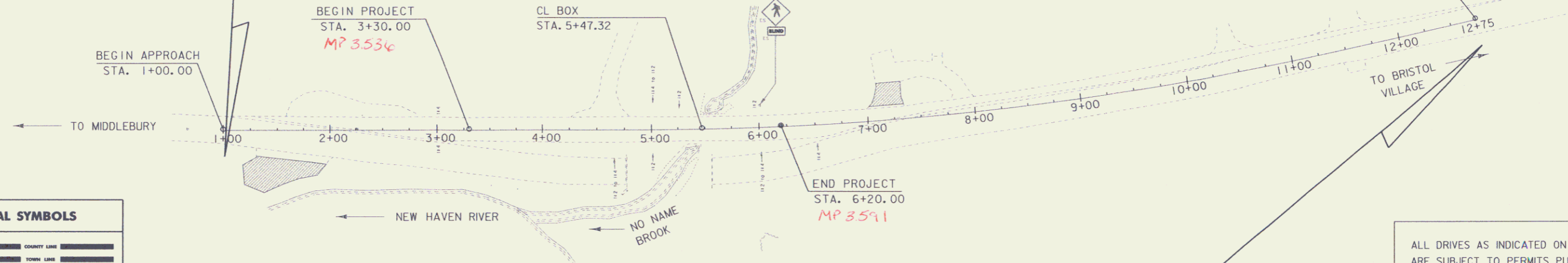
BEGIN ROW PROJECT
1+00.00 22.06' RT

ROUTE NO : VT 116, MINOR ARTERIAL BRIDGE NO : 9

PROJECT LOCATION : IN THE TOWN OF BRISTOL ON VT 116 BEGINNING AT A POINT 2.00 MILES SOUTH OF IT'S INTERSECTION WITH VT 17 AND EXTENDING NORTH TOWARDS VT 17 FOR A DISTANCE OF 290 FT. (0.055 MILES).

PROJECT DESCRIPTION : REPLACE EXISTING STRUCTURE WITH A NEW REINFORCED CONCRETE BOX CULVERT ALONG WITH RELATED ROADWAY AND CHANNEL WORK.

LENGTH OF PROJECT: 290 FT
LENGTH OF ROADWAY: 290 FT
LENGTH OF STRUCTURE: N/A
LENGTH OF ROW PROJECT 1,175 FT

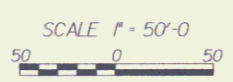


CONVENTIONAL SYMBOLS

COUNTY LINE	———
TOWN LINE	———
LIMITS OF ACCESS	—○—○—
POINT OF ACCESS	X
FENCE LINE	—X—X—X—
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

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.



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 JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION III, V.S.A

Pin # 058126

APPROVED *[Signature]* DATE 1-5-07
Director of Program Development

APPROVED *[Signature]* DATE 1/5/07
Chief of Right of Way

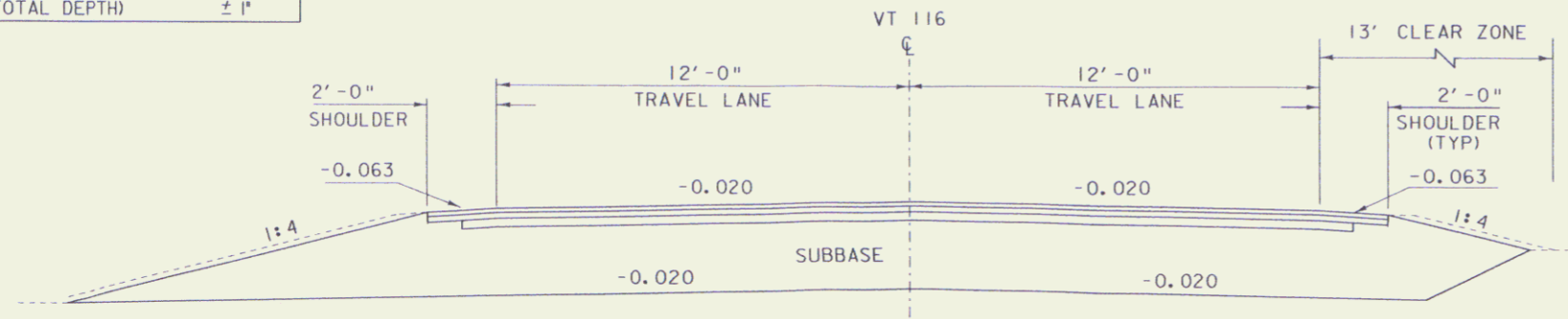
BRISTOL
ER ST 021-1(22)
R.O.W. SHEET 1 OF 10 SHEETS

SEP 16 2008

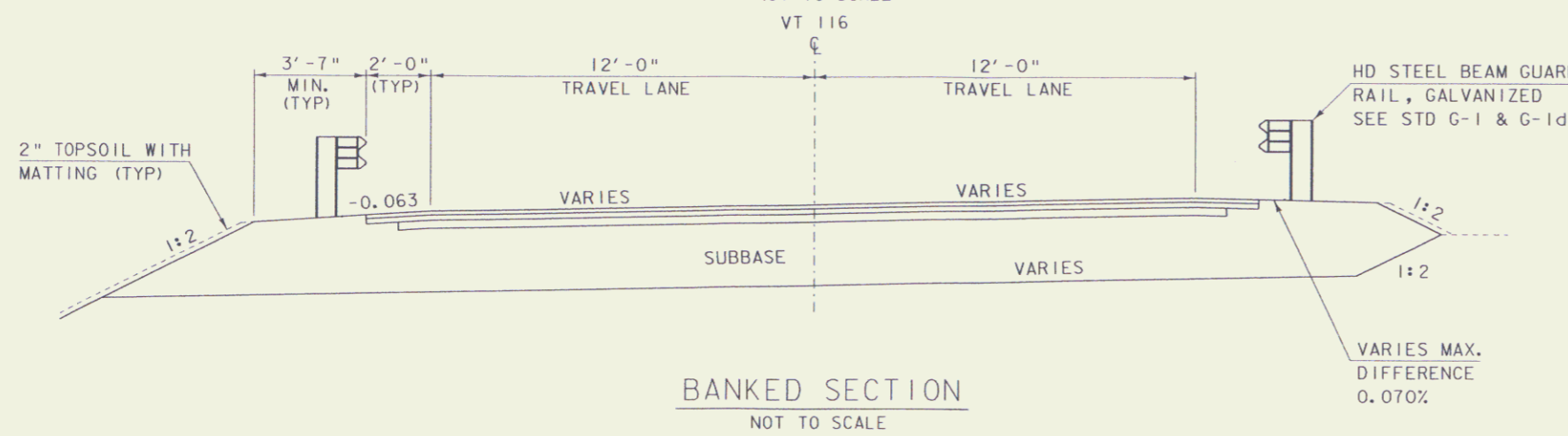
MATERIAL TOLERANCE TABLE

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1/4"
BASE COURSE (TOTAL DEPTH)	± 1/2"
SUBBASE (TOTAL DEPTH)	± 1"

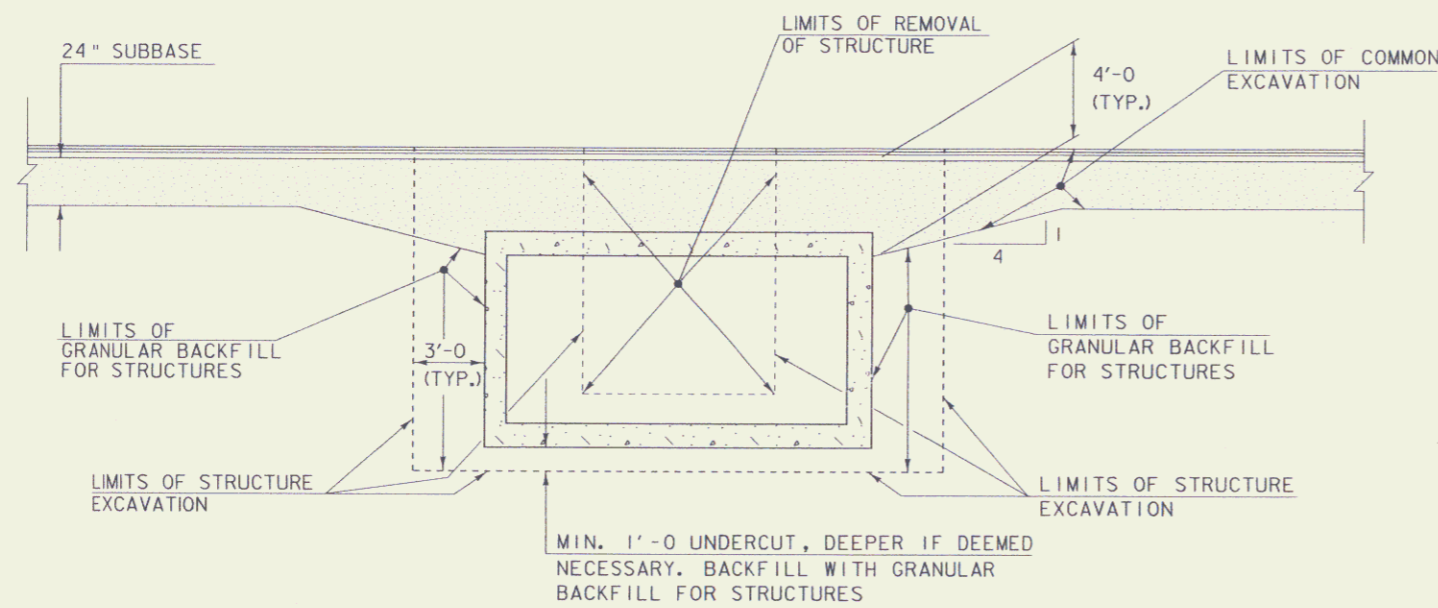
1/2" BITUMINOUS CONCRETE, TYPE III (PG 58-34)
 2" BITUMINOUS CONCRETE, TYPE III (PG 58-34)
 3" BITUMINOUS CONCRETE, TYPE I (PG 58-34)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE



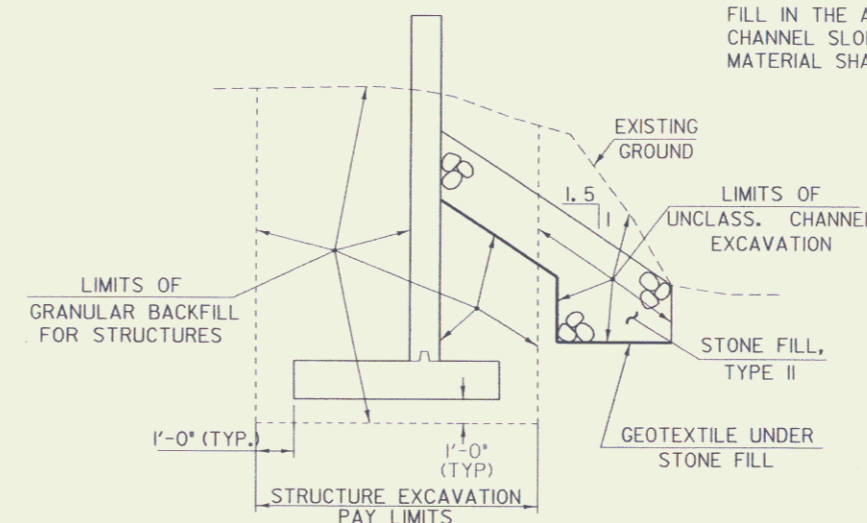
NORMAL SECTION
NOT TO SCALE



BANKED SECTION
NOT TO SCALE



TYPICAL BOX CULVERT SECTION
NOT TO SCALE



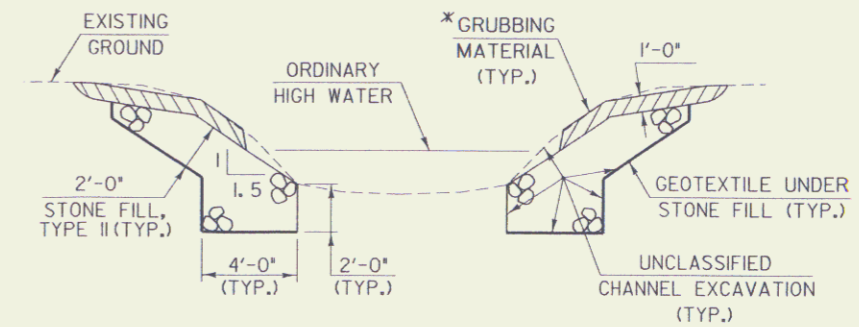
TYPICAL WINGWALL SECTION
NOT TO SCALE

SEEDING FORMULA
RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
 SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
 FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
 AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
 HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
 TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



TYPICAL CHANNEL SECTION
NOT TO SCALE

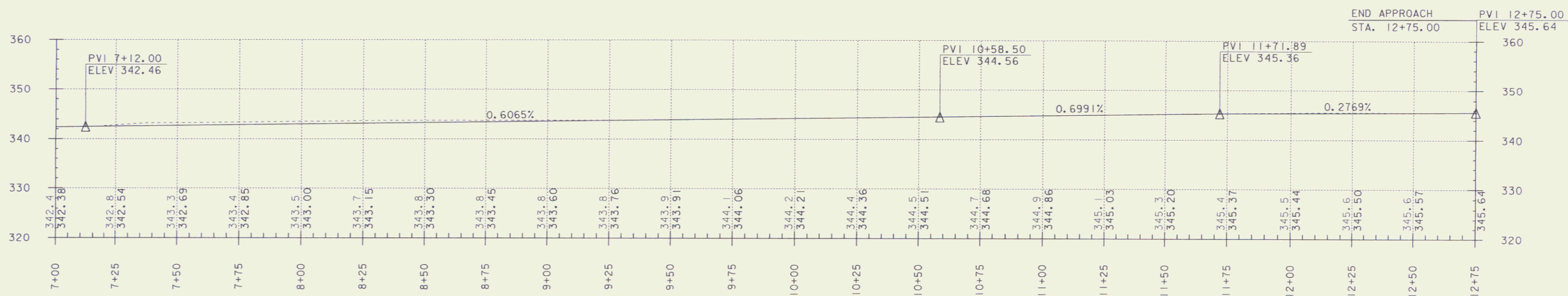
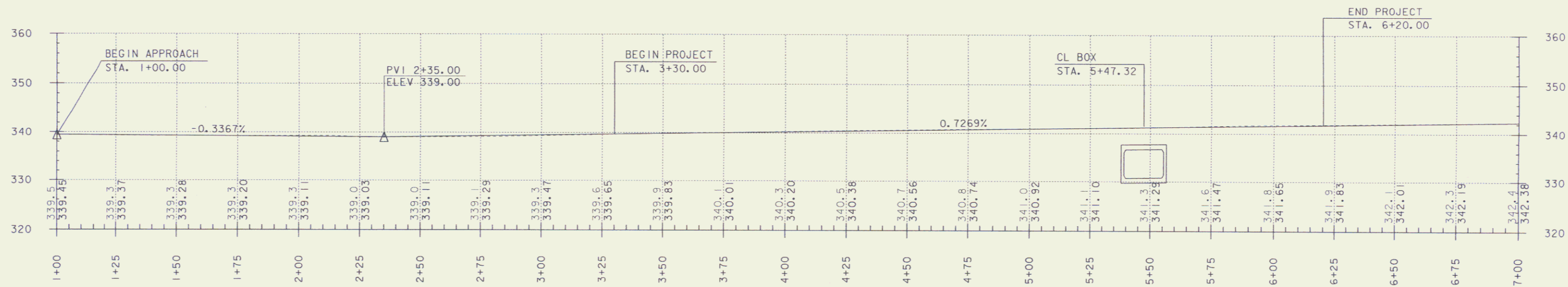
* GRUBBING MATERIAL SHALL NOT BE PLACED ON THE STONE FILL IN THE AREA UNDER THE BRIDGE. WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.

TYPICAL SECTIONS

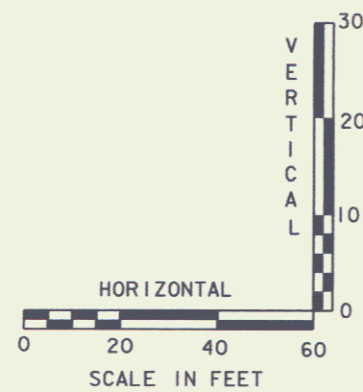
PROJECT NAME:	BRISTOL	FILE NAME:	05b126\Str\s05b1261yp.dgn	PLOT DATE:	21-DEC-2006
PROJECT NUMBER:	ER ST 021-1(22)	PROJECT LEADER:	M. Evans-Mongean	DRAWN BY:	G. ROKES
		DESIGNED BY:	M. Evans-Mongean	CHECKED BY:	
				ROW SHEET	2 OF 10

SEP 16 2008

VT 116



NOTE:
 GRADES SHOWN TO THE NEAREST TENTH
 ARE EXISTING GROUND ALONG C.
 GRADES SHOWN TO THE NEAREST HUNDREDTH
 ARE PROPOSED GROUND ALONG C.

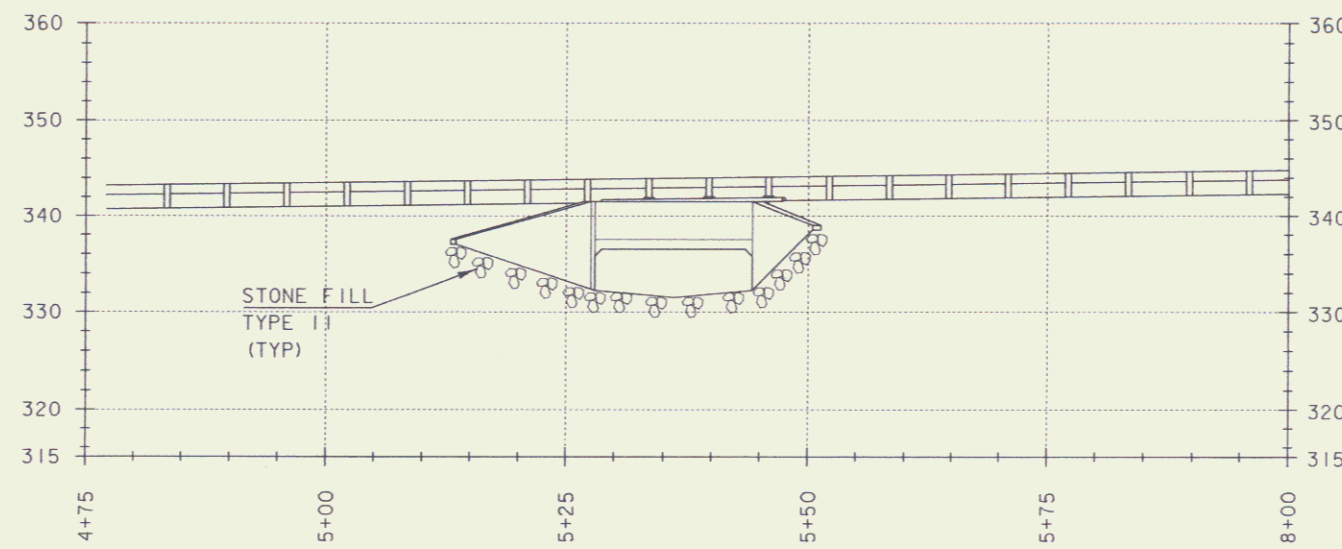
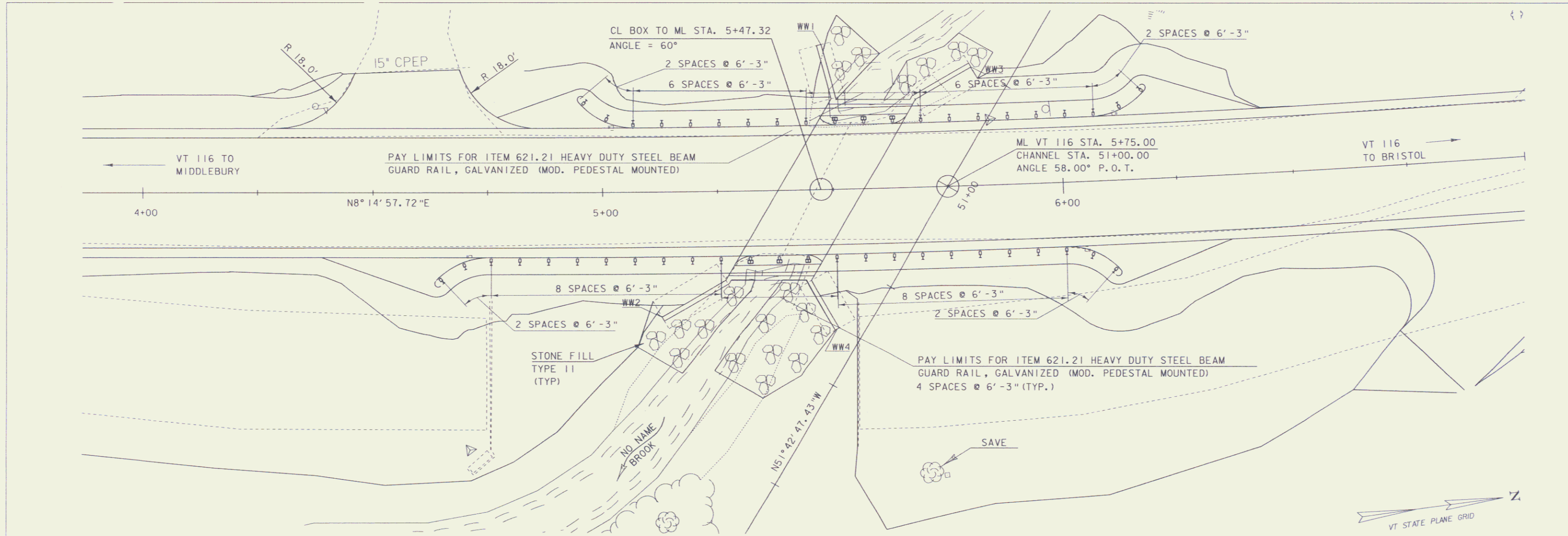


PROFILE SHEET

PROJECT: BRISTOL	PROJECT NO.: ER ST 021-1 (22)
DESIGN FILE NAME: 05b126\str\s05b126wrk.dgn	PLOT DATE: 21-DEC-2006
IPARM FILE NAME: s05b126pr.f.i	SURVEY DATE:
SQUAD LEADER: M. EVANS-MONGON	DRAWN BY: G. ROKES
	ROW SHEET 3 OF 10

SEP 16 2008

3



DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (96)

SCALE 1" = 10'-0"

PLAN AND ELEVATION

PROJECT: BRISTOL	PROJECT NO.: ER ST 021-1 (22)
DESIGN FILE NAME: 05b126\Str\05b126pe.dgn	PLOT DATE: 21-DEC-2006
IPARM FILE NAME: s05b126pe.i	SURVEY DATE:
SURVEYED BY:	DRAWN BY: G. ROKES
SQUAD LEADER: M. EVANS-MONGEON	ROW SHEET 4 OF 10

SEP 16 2008

4

PRELIMINARY INFORMATION SHEET

INDEX OF SHEETS	FINAL HYDRAULIC REPORT																																										
<p>1. TITLE SHEET</p> <p>2. PRELIMINARY INFORMATION SHEET</p> <p>3. TYPICAL SECTION SHEET</p> <p>4. TIE SHEET</p> <p>5 - 6. QUANTITY SHEETS</p> <p>7 - 9. LAYOUT SHEETS</p> <p>10. PROFILE SHEET</p> <p>11. EROSION CONTROL NARRATIVE</p> <p>12 - 14. EXISTING CONDITIONS</p> <p>15 - 17. EROSION AND SEDIMENT CONTROL</p> <p>18 - 20. FINAL CONDITIONS</p> <p>21 - 25. EROSION TYPICALS</p> <p>26. PLAN & ELEVATION</p> <p>27. PRECAST BOX DETAILS</p> <p>28 - 36. ROADWAY CROSS SECTIONS</p> <p>37. MATERIAL & BANKING TRANSITION DETAILS</p> <p>38 - 42. CHANNEL CROSS SECTIONS</p>	<p>HYDROLOGIC DATA Date: October 2006</p> <p>DRAINAGE AREA: 1.9 sq. mi.</p> <p>CHARACTER OF TERRAIN: Hilly, mostly open areas with some woods.</p> <p>STREAM CHARACTERISTICS: Small, sinuous stream. Probably incised.</p> <p>NATURE OF STREAMBED: Gravel and cobbles.</p> <p>PEAK FLOW DATA</p> <p>Q 2.33 = 65 cfs Q 50 = 230 cfs</p> <p>Q 10 = 150 cfs Q 100 = 275 cfs</p> <p>Q 25 = 190 cfs Q 500 = 365 cfs</p> <p>DATE OF FLOOD OF RECORD: Unknown</p> <p>ESTIMATED DISCHARGE: Unknown</p> <p>WATER SURFACE ELEV.: Unknown</p> <p>NATURAL STREAM VELOCITY: @ Q50 = 8.9 fps (0.8 fps)*</p> <p>ICE CONDITIONS: Moderate</p> <p>DEBRIS: Light</p> <p>DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? No</p> <p>IS ORDINARY RISE RAPID? No</p> <p>IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? Yes</p> <p>IF YES, DESCRIBE: This site is 180' upstream of the confluence with the New Haven River. Hydraulics at this site are controlled by that river during high flows.</p> <p>WATERSHED STORAGE: 1% HEADWATERS: _____</p> <p>UNIFORM: _____ IMMEDIATELY ABOVE SITE: _____</p> <p>EXISTING STRUCTURE INFORMATION</p> <p>STRUCTURE TYPE: Corrugated Metal Plate Arch. This structure has failed & is not in use.</p> <p>YEAR BUILT: Unknown</p> <p>CLEAR SPAN(NORMAL TO STREAM): 14'</p> <p>VERTICAL CLEARANCE ABOVE STREAMBED: 6'</p> <p>WATERWAY OF FULL OPENING: 73.2 sq. ft.</p> <p>DISPOSITION OF STRUCTURE: Remove</p> <p>TYPE OF MATERIAL UNDER SUBSTRUCTURE: Unknown</p> <p>WATER SURFACE ELEVATIONS AT:</p> <p>Q2.33 = 333.8' (333.8)* VELOCITY = 7.5 fps (7.5 fps)*</p> <p>Q10 = 334.5' (338.8)* " 8.4 fps (1.1 fps)*</p> <p>Q25 = 334.8' (339.7)* " 8.7 fps (0.9 fps)*</p> <p>Q50 = 335.0' (340.5)* " 8.9 fps (0.7 fps)*</p> <p>Q100 = 335.2' (341.1)* " 9.0 fps (0.6 fps)*</p> <p>LONG TERM STREAMBED CHANGES: Possible deposition upstream.</p> <p>IS THE ROADWAY OVERTOPPED BELOW Q100: No (Yes)*</p> <p>FREQUENCY: Above Q100 (Between Q25 and Q50)*</p> <p>RELIEF ELEVATION: 340.0'</p> <p>DISCHARGE OVER ROAD @Q100: None (100 cfs)*</p> <p>UPSTREAM STRUCTURE</p> <p>TOWN: None DISTANCE: _____</p> <p>HIGHWAY #: _____ STRUCTURE #: _____</p> <p>CLEAR SPAN: _____ CLEAR HEIGHT: _____</p> <p>YEAR BUILT: _____ FULL WATERWAY: _____</p> <p>STRUCTURE TYPE: _____</p> <p>DOWNSTREAM STRUCTURE</p> <p>TOWN: N.A. - confluence with the New Haven River DISTANCE: 180'</p> <p>HIGHWAY #: _____ STRUCTURE #: _____</p> <p>CLEAR SPAN: _____ CLEAR HEIGHT: _____</p> <p>YEAR BUILT: _____ FULL WATERWAY: _____</p> <p>STRUCTURE TYPE: _____</p> <p>LOAD RATING (TONS)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">LOADING LEVELS</th> <th colspan="5">TRUCK</th> </tr> <tr> <th>H</th> <th>HS</th> <th>3S2</th> <th>6 AXLE</th> <th>3A STR 4A STR 5A SEMI</th> </tr> </thead> <tbody> <tr> <td>INVENTORY</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>POSTED</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>OPERATING</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>COMMENTS: _____</p> <p>TRAFFIC DATA</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>YEAR</th> <th>ADT</th> <th>DHV</th> <th>% D</th> <th>% T</th> <th>ADTT</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>20 year ESAL for flexible pavement from _____ to _____</p> <p>40 year ESAL for flexible pavement from _____ to _____</p> <p>Design Speed: _____ mph</p>	LOADING LEVELS	TRUCK					H	HS	3S2	6 AXLE	3A STR 4A STR 5A SEMI	INVENTORY						POSTED						OPERATING						YEAR	ADT	DHV	% D	% T	ADTT							<p>PROPOSED STRUCTURE</p> <p>STRUCTURE TYPE: Precast concrete box</p> <p>CLEAR SPAN(NORMAL TO STREAM): 14'</p> <p>VERTICAL CLEARANCE ABOVE STREAMBED: 5'</p> <p>WATERWAY OF FULL OPENING: 70 sq. ft.</p> <p>WATER SURFACE ELEVATIONS AT:</p> <p>Q2.33 = 333.8' (333.8)* VELOCITY = 7.5 fps (7.5 fps)*</p> <p>Q10 = 334.5' (338.8)* " 8.4 fps (1.1 fps)*</p> <p>Q25 = 334.8' (339.6)* " 8.7 fps (0.9 fps)*</p> <p>Q50 = 335.0' (340.5)* " 8.9 fps (0.7 fps)*</p> <p>Q100 = 335.2' (341.1)* " 9.0 fps (0.7 fps)*</p> <p>IS THE ROADWAY OVERTOPPED BELOW Q100: No (Yes)*</p> <p>FREQUENCY: Above Q100 (Between Q25 and Q50)*</p> <p>RELIEF ELEVATION: 340.0'</p> <p>DISCHARGE OVER ROAD @Q100: None (84 cfs)*</p> <p>AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 337.0' at inlet</p> <p>VERTICAL CLEARANCE: @ Q50 = 2.0' (-3.5)*</p> <p>SCOUR: Not applicable to a box structure.</p> <p>REQUIRED CHANNEL PROTECTION: Stone Fill, Type II</p> <p>PERMIT INFORMATION</p> <p>AVERAGE DAILY FLOW: 4 cfs DEPTH OR ELEVATION: _____</p> <p>ORDINARY LOW WATER: 2 cfs Depth = <0.5'</p> <p>ORDINARY HIGH WATER: 28 cfs Depth = 1.0'</p> <p>TEMPORARY BRIDGE REQUIREMENTS</p> <p>STRUCTURE TYPE: A temporary bridge is already in place.</p> <p>CLEAR SPAN (NORMAL TO STREAM): _____</p> <p>VERTICAL CLEARANCE ABOVE STREAMBED: _____</p> <p>WATERWAY AREA OF FULL OPENING: _____</p> <p>ADDITIONAL INFORMATION</p> <p>*The hydraulics at this site are controlled by the New Haven River. Some lines on this report have two answers. The first answer is based on low flows on the New Haven River, and therefore no effects from that river on the hydraulics. Answers in () represent equal frequency flows on both streams.</p> <p>DESIGN CRITERIA</p> <ol style="list-style-type: none"> DESIGN LIVE LOAD AASHTO: _____ DESIGN SPAN: _____ ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL: _____ ON LEDGE: _____ ALLOWABLE LOAD FOR PILING: _____ TYPE: _____ ESTIMATED LENGTH: _____ STRUCTURAL STEEL AASHTO M270MM270 GRADE: 50W REINFORCING STEEL GRADE: 60 CONCRETE, HIGH PERFORMANCE CLASS A f'c: 4000 psi CONCRETE, HIGH PERFORMANCE CLASS B f'c: 3500 psi DESIGN SOIL UNIT WEIGHT: 140 pcf DESIGN LOAD FOR SPREAD FOOTINGS ON SOIL: _____ <p>TRAFFIC MAINTENANCE</p> <ol style="list-style-type: none"> IS TRAFFIC TO BE MAINTAINED? _____ IF YES, ON EXISTING STRUCTURE? _____ OR ON TEMPORARY BRIDGE? _____ ONE OR TWO-WAY TRAVEL? _____ TRAFFIC CONTROL SIGNALS REQUIRED? _____ ARE SIDEWALKS REQUIRED? _____ IF SO, ON WHAT SIDE? _____ <p>PROJECT NAME: Bristol</p> <p>PROJECT NUMBER: ER ST 0211 (22)</p> <p>FILE NAME: s05b128excel.dgn PLOT DATE: 11/1/2006</p> <p>PROJECT LEADER: M. Evans-Mongeon DRAWN BY: L. Duquette</p> <p>DESIGNED BY: _____ CHECKED: _____</p> <p>PRELIMINARY INFORMATION SHEET #1 ROV SHEET 5 OF 18</p>
LOADING LEVELS	TRUCK																																										
	H	HS	3S2	6 AXLE	3A STR 4A STR 5A SEMI																																						
INVENTORY																																											
POSTED																																											
OPERATING																																											
YEAR	ADT	DHV	% D	% T	ADTT																																						

SEP 16 2008

5

GPS CONTROL POINTS

HVCTRL #1

CGS TRIANGULATION STATION DISC

"BRISTOL 2 1970"

N = 583280.8
E = 1483867.85
ELEV. = 340.27

STATION IS LOCATED ABOUT 0.8 KM (0.5 MILE) WEST OF CENTER OF BRISTOL, IN THE WEST ANGLE OF THE T-INTERS 7/64 CTION OF STATE HIGHWAY 17 AND A MACADAM ROAD RUNNING NORTH, UP ON A LOW CUTBANK, IN SOUTHWEST CORNER OF SCHOOL PLAYGROUND, FORMERLY BRISTOL AIRPORT, TO REACH STATION FROM THE MAIN INTERSECTION IN CENTER OF BRISTOL, GO WEST ON STATE HIGHWAY 17 FOR 0.97 KM (0.6 MILE) TO STATION ON RIGHT, WHERE THE HIGHWAY BEGINS TO CURVE LEFT, DOWNGRADE, STATION MARK IS A STANDARD DISK STAMPED BRISTOL 2 1970, SET IN TOP OF A 0.25 m (10 INCH) DIAMETER, CONCRETE MONUMENT FLUSH WITH THE GROUND, IT IS 21m (69 FEET) NORTHWEST OF CENTER LINE OF HIGHWAY 17, 13.4 m (44 FEET) WEST-NORTHWEST OF CENTER LINE OF MACAOAM SIDE ROAD, 1.4 m (4.5 FEET) NORTH OF POWER POLE 29, 6.64 m (21.8 FEET) NORTH OF A FIRE HYDRANT, AND 0.46 m (1.5 FEET) WEST OF A METAL WITNESS POST

HVCTRL #2

STANDARD DISK STAMPED

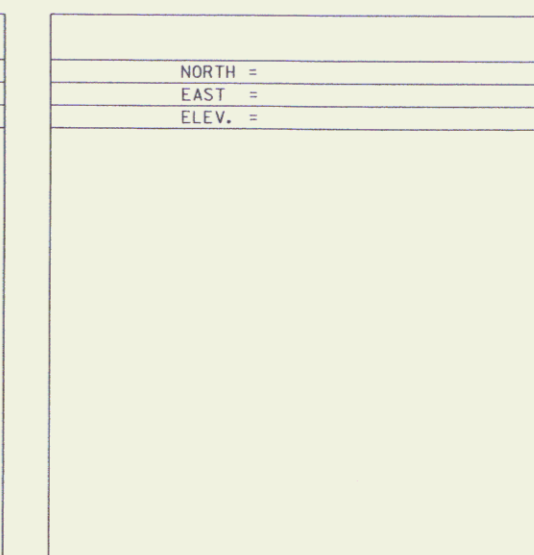
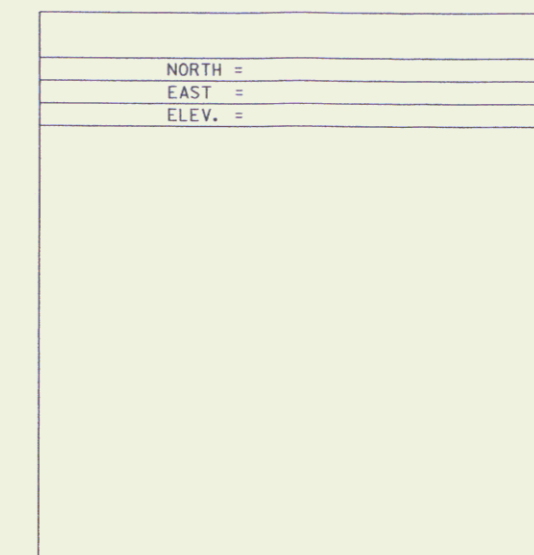
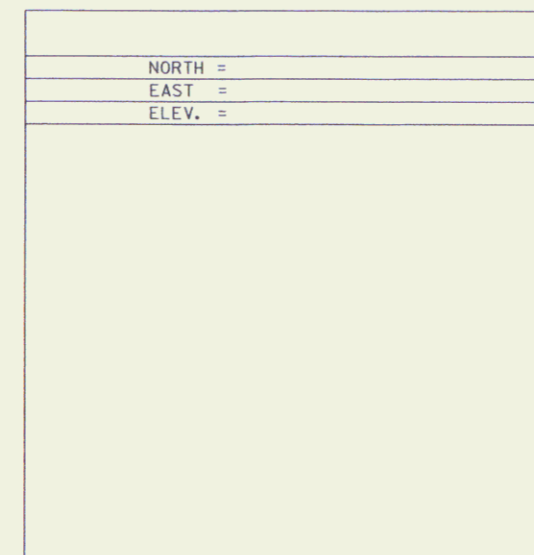
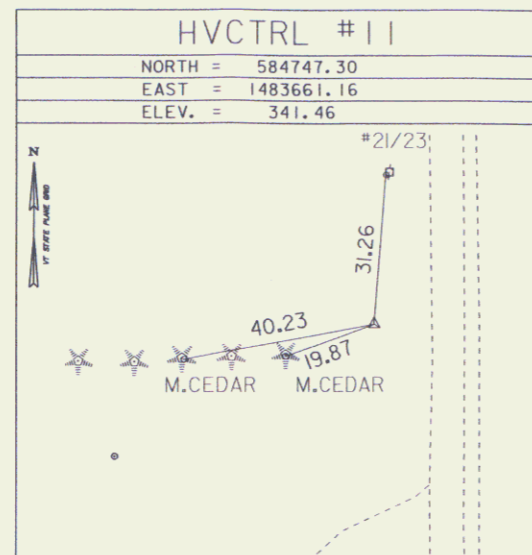
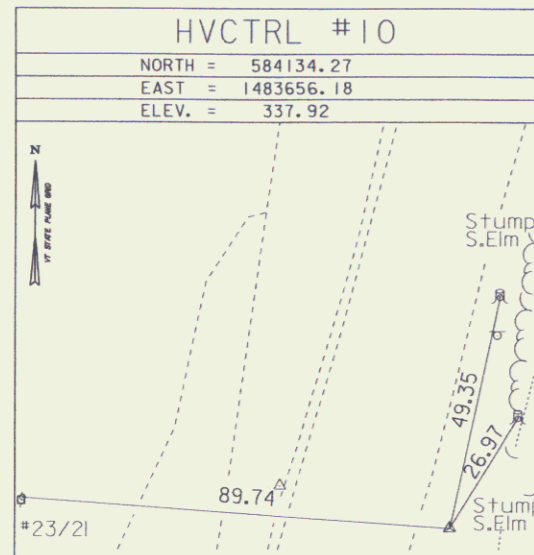
"POWERLINE 1991"

N = 592458.12
E = 1466209.10
ELEV. = 425.52

GENERAL LOCATION, NEW HAVEN, VT. TO REACH FROM THE INTERSECTION OF VT ROUTE 17 EAST AND US ROUTE 7 IN NEW HAVEN JUNCTION, GO EAST ALONG VT ROUTE 17 FOR 1.4 KM (0.9 MILE) TO A POWERLINE CROSSING AND THE MARK ON THE LEFT, THE MARK IS, SET FLUSH WITH GROUND SURFACE IN THE TOP OF A 25 cm (1 FOOT) DIAMETER CONCRETE MONUMENT, IT IS 12.7 m (41.7 FEET) NORTH OF AND ABOUT LEVEL WITH THE CENTERLINE OF VT ROUTE 17, 3.7 m (12.1 FEET) EAST OF POLE NO. 3, 15.3 m (50.2 FEET) WEST OF POLE NO. 303, AND 0.8 m (2.6 FEET) NORTH OF A FIBERGLASS WITNESS POST.

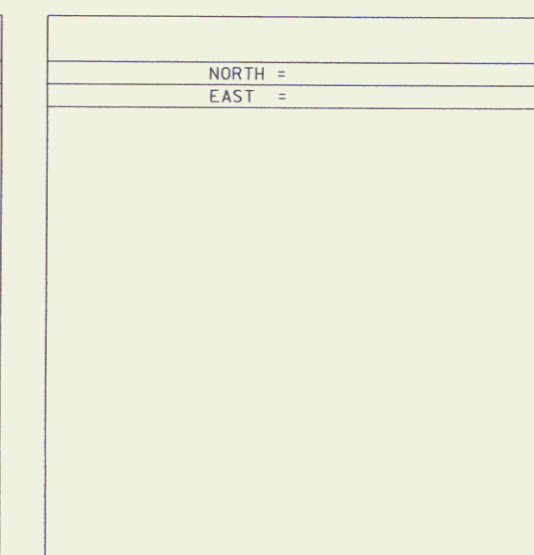
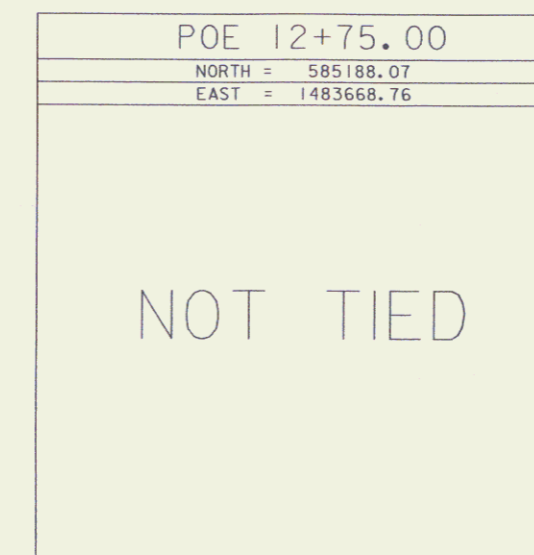
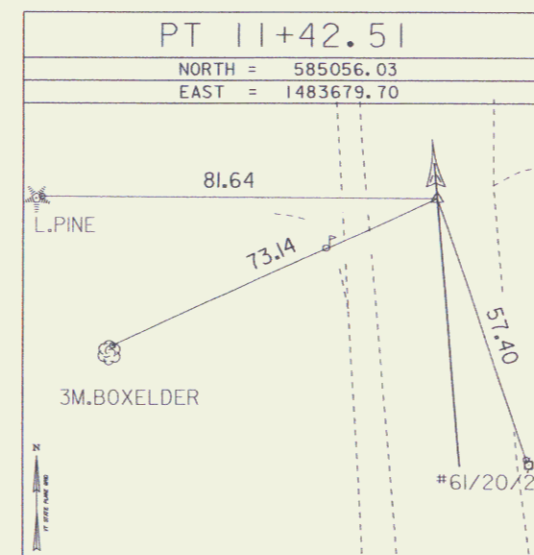
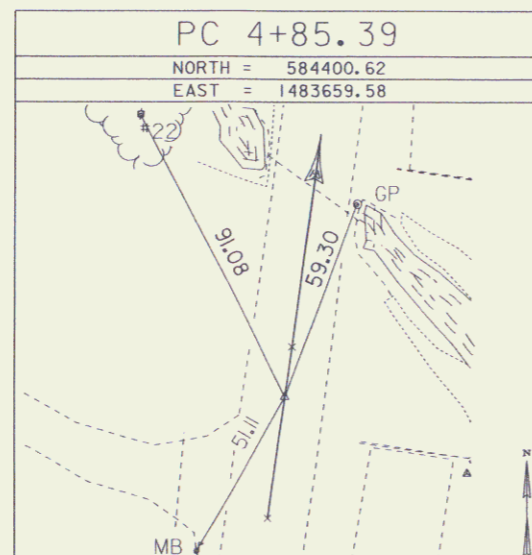
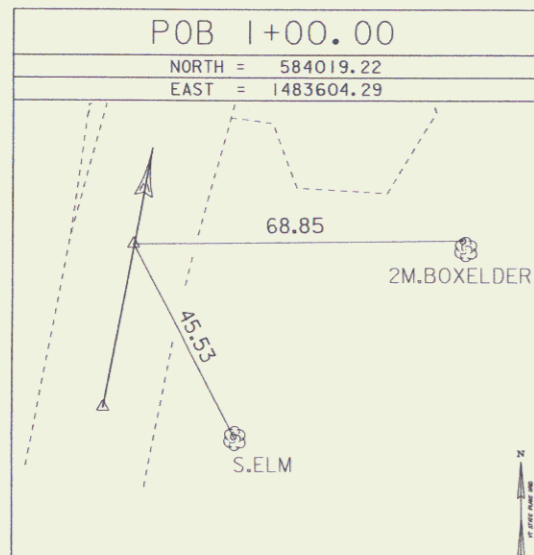
* Description provided by the Vermont Agency of Transportation Geodetic Survey Unit

TRAVERSE TIES



* MAIN TRAVERSE COMPLETED: MAY 10, 1999 BY: CLD Consultant Engineers

ALIGNMENT TIES



* Alignment Staked 11/07/06 by L. Orvis P.C. & G. Hitchcock

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83/96
ADJUSTMENT	UNKNOWN

PROJECT NAME:	Bristol	PLOT DATE:	21-DEC-2006
PROJECT NUMBER:	ER ST 021-1(22)	DRAWN BY:	R. Bullock
FILE NAME:	05b126/survey/x05b126+1.dgn	CHECKED BY:	
PROJECT LEADER:		DESIGNED BY:	
			ROW SHEET 6 OF 10 SHEETS

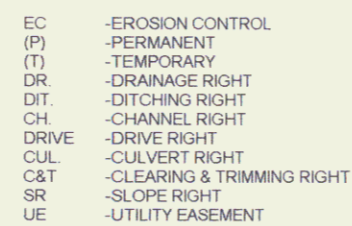
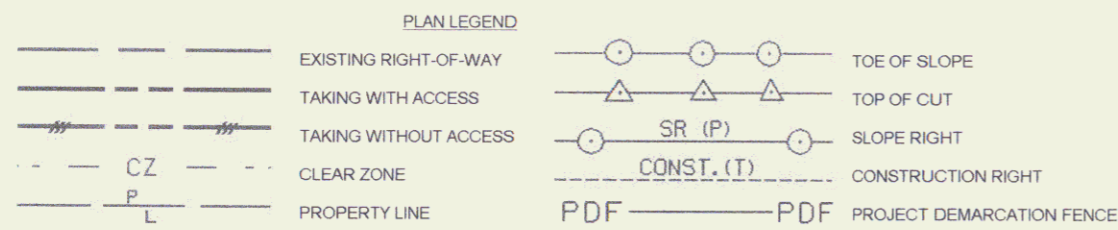
RIGHT - OF - WAY DETAIL SHEET

TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE	REMAINDER	RIGHT			RECORDING DATA				REMARKS	
							AREA±	AREA±	TYPE	TITLE	DATE	TOWN / CITY	BOOK		PAGE
1	TOWN OF BRISTOL	8, 9	1+00.00 RT	8+27.24 LT	0.53A	✓	ALL R.T. & I.	(P)	490 SF	GCD	03/16/07	BRISTOL	122	425	VT RTE 116 HWY EASE
			5+07 RT	5+50 RT			CHANNEL	(P)	29 SF					NO NAME BROOK	
			5+11 RT	5+23 RT			INSTALL & MAINTAIN	(P)	40 SF					WING WALL AND FOOTING	
			5+44 RT	5+54 RT			INSTALL & MAINTAIN	(P)	90 SF					WING WALL AND FOOTING	
			5+65 LT	5+86 LT			CHANNEL	(P)	155 SF					NO NAME BROOK	
			5+73 LT	5+81 LT			INSTALL & MAINTAIN	(P)	247 SF					WING WALL AND FOOTING	
			7+07 LT	7+32 LT			REMOVE	(T)						REMOVE DRIVE, ADD TOPSOIL & SEED	
			7+25 RT											DRIVE 20' WIDE, PAVED MM 0361	
			7+75 LT											24' WIDE, PAVED MM 0362	
			2	ADAMS-ROSE, J. REBECCA & ROSE, DAVID M.			8, 9	1+00.00 LT	3+47.34 LT	0.14A		ALL R.T. & I.			WD
1+51 LT	2+74 LT	CONST.			(T)	490 SF							INCL. PDF		
1+56 LT	2+62 LT	REMOVE			(T)	880 SF							DETOUR LIMITS, ADD TOPSOIL & SEED		
2+83 LT	3+49 LT	CONST.			(T)	330 SF							INCL. PDF		
3	EMILO, JOHN A.	9	3+47.17 LT	5+59.59 LT	0.12A		ALL R.T. & I.			WD	03/16/07	BRISTOL	122	429	VT RTE 116 HWY EASE
			3+47.34 LT	4+51 LT		CONST.	(T)	600 SF					INCL. PDF		
			4+55 LT			DRIVE	(T)						22' WIDE PAVED MM 0356		
			4+68 LT	5+86 LT		CONST.	(T)	2,520 SF					INCL. E.C. & PDF		
			4+69 LT	5+03 LT		SLOPE	(T)	82 SF					INCL. E.C.		
			5+41 LT	5+52 LT		INSTALL & MAINTAIN	(P)	77 SF					WING WALL & FOOTING		
			5+46 LT	5+61 LT		CHANNEL	(P)	97 SF					NO NAME BROOK, INCL. TEMP. E.C.		
4	BUTLER, JERRY W. AND AVIS BUTLER, TRUSTEE OF THE HAROLD J. BUTLER REVOCABLE TRUST	9, 10	7+47.63 RT	12+75.00 RT	0.31A		ALL R.T. & I.			WD	03/16/07	BRISTOL	122	431-	VT RTE 116 HWY EASE
			7+45 RT	10+57 RT		CONST.	(T)	0.14 A					432	INCL. E.C. & PDF	
			7+47 RT	8+31 RT		SLOPE	(T)	260 SF							
			9+32 RT												DO NOT DISTURB-WELL
			11+55 RT												EXISTING DRIVE 16' WIDE, GRAVEL MM 0370
5	FITZGERALD, NATHAN R.	10	10+43 LT												DRIVE 24' WIDE, PAVED MM 0367
			11+56 LT												DRIVE 24' WIDE, PAVED MM 0370 IN COMMON WITH BACHAND II, THOMAS E. & THRESHER, LEANN, AND WILLIAMS, EUGENE & BETTY
6	CENTRAL VERMONT PUBLIC SERVICE CORPORATION														UTILITY
7	WAITSFIELD-FAYSTON TELEPHONE COMPANY INCORPORATED														UTILITY
8	COMCAST OF CONNECTICUT/GEORGIA/ MASSACHUSETTS/NEW HAMPSHIRE/ NEW YORK/NORTH CAROLINA/ VERMONT, LLC														UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
		ELECTRONIC IPARMS TO STRUCTURES	2-20-07



APPROVED: FRANK J. MALNATI JR. DATE: 01-05-07
ACTING CHIEF, PLANS & TITLES

PLOT DATE 03/30/07

PROJECT NAME: BRISTOL
PROJECT NUMBER: ER ST 021-1 (22)
FILE NAME: r05b126.xls
PROJECT LEADER: M. Evans-Mongeon
DESIGNED BY: MEM
R.O.W. SHEET 7 OF 10
PLOT DATE:
DRAWN BY: JAB
CHECKED BY: EP
SHEET 7 OF 66

SEP 16 2008

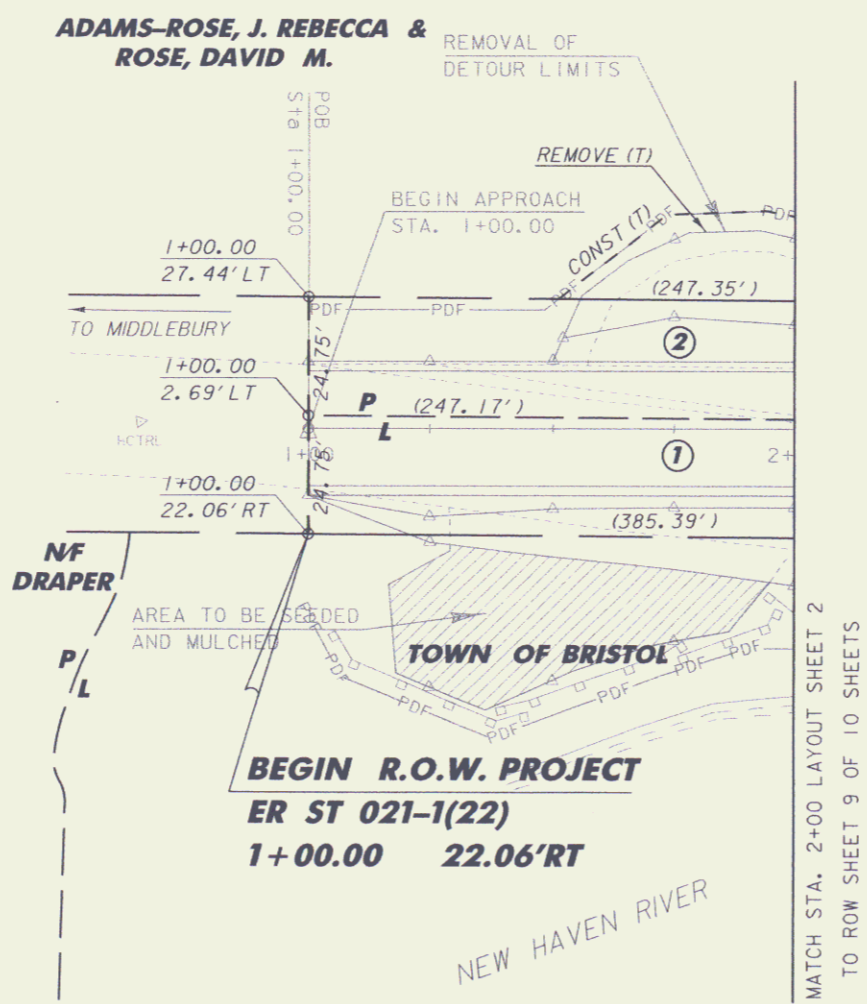
7

DURABLE 4 INCH WHITE LINE
 STA. 1+00 LT - STA. 2+00 LT
 STA. 1+00 RT - STA. 2+00 RT

DURABLE 4 INCH YELLOW LINE
 STA. 1+00 - STA. 2+00



COLD PLANING, BITUMINOUS PAVEMENT
 STA. 1+00 - STA. 2+00

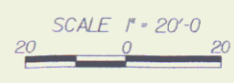


LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

FOR R.O.W. USE ONLY

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION III, V.S.A

DATUM	NAVD 88
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)



LAYOUT SHEET 1	
PROJECT: BRISTOL	PROJECT NO.: ER ST 021-1 (22)
DESIGN FILE NAME: 05b126\str\05b126bdr.dgn	PLOT DATE: 20-FEB-2007
IPARM FILE NAME: s05b1261y1.i	CHECKED BY: G. ROKES
DESIGNED BY: M. EVANS-MONGEON	DRAWN BY: G. ROKES
SQUAD LEADER: M. EVANS-MONGEON	SHEET 8 OF 66
ROW SHEET: 8 OF 10 SHEETS	

SEP 16 2008

8

ANCHOR FOR STEEL BEAM RAIL
 STA. 4+70 RT
 STA. 5+01 LT
 STA. 6+05 RT
 STA. 6+12 LT

DURABLE 4 INCH WHITE LINE
 STA. 2+00 LT - STA. 8+00 LT
 STA. 2+00 RT - STA. 8+00 RT

DURABLE 4 INCH YELLOW LINE
 STA. 2+00 - STA. 8+00

CONSTRUCT PAVED DRIVE
 STA. 4+55.00 LT
 STA. 7+25.00 RT @ 43.5°

HD STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 4+64.46 RT - STA. 5+25.55 RT
 STA. 5+50.43 RT - STA. 6+11.28 RT
 STA. 4+95.74 LT - STA. 5+44.35 LT
 STA. 5+69.47 LT - STA. 6+18.03 LT

RELOCATE MAIL BOX, SINGLE SUPPORT
 STA. 4+37.52 LT 18.75 FT

SETTING SALVAGED POSTS
 STA. 6+00.00 LT 21.00 FT

**ADAMS-ROSE, J. REBECCA &
 ROSE, DAVID M.**

ERECTING SALVAGED SIGNS
 STA. 6+00.00 LT 21.01 FT
 STA. 6+00.00 LT 21.01 FT

BRIDGE RAILING, GALVANIZED
 HD STEEL BEAM/PEDESTAL MOUNTED

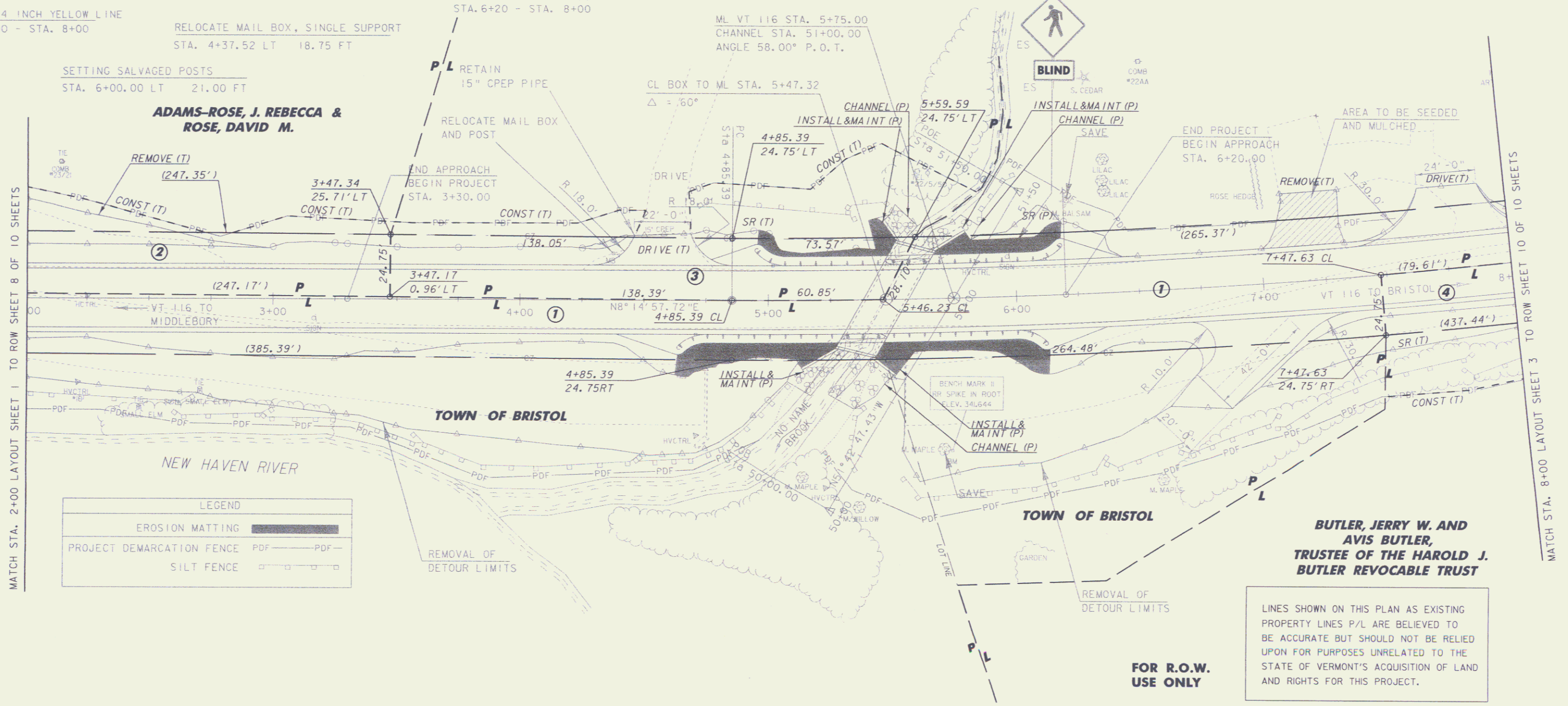
STA. 5+25.55 RT - STA. 5+50.43 RT
 STA. 5+44.35 LT - STA. 5+69.47 LT

COLD PLANING BITUMINOUS PAVEMENT **EMILIO, JOHN A.**
 STA. 2+00 - STA. 3+30
 STA. 6+20 - STA. 8+00

CURVE DATA:
 Delta = 12°58'58.17"
 D = 1°58'32.58"
 R = 2900.00'
 T = 329.97'
 L = 657.12'
 E = 18.71'

CONSTRUCT DRIVE (PAVED COMMERCIAL)
 STA. 7+75.00 LT (24' PAVED APRON)

EXISTING BRIDGE INFORMATION
 14 FOOT CORRUGATED STEEL ARCH
 ON CAST-IN-PLACE CONCRETE FOOTING
TOWN OF BRISTOL



MATCH STA. 2+00 LAYOUT SHEET 1 TO ROW SHEET 8 OF 10 SHEETS

MATCH STA. 8+00 LAYOUT SHEET 3 TO ROW SHEET 10 OF 10 SHEETS

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (96)

ALL DRIVES AS INDICATED ON PLANS
 ARE SUBJECT TO PERMITS PURSUANT
 TO TITLE 19 SECTION III, V.S.A

SCALE 1" = 20'-0"

**FOR R.O.W.
 USE ONLY**

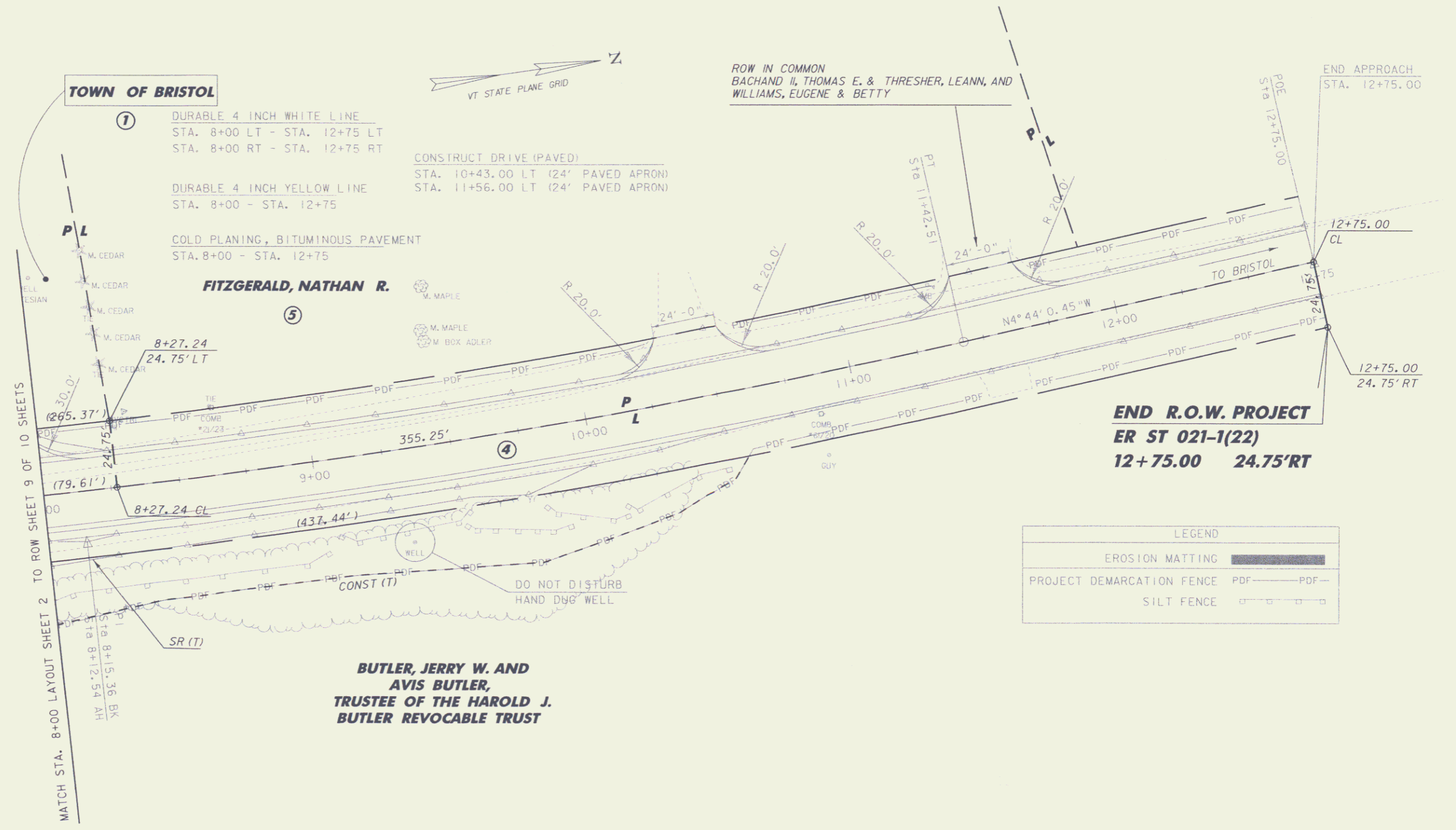
LINES SHOWN ON THIS PLAN AS EXISTING
 PROPERTY LINES P/L ARE BELIEVED TO
 BE ACCURATE BUT SHOULD NOT BE RELIED
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 STATE OF VERMONT'S ACQUISITION OF LAND
 AND RIGHTS FOR THIS PROJECT.

LAYOUT SHEET 2

PROJECT: BRISTOL	PROJECT NO.: ER ST 021-1 (22)
DESIGN FILE NAME: 05b126\str\05b126bdr.dgn	PLOT DATE: 20-FEB-2007
IPARM FILE NAME: 05b1261y2.i	CHECKED BY: G. ROKES
DESIGNED BY: M. EVANS-MONGEON	DRAWN BY: G. ROKES
SQUAD LEADER: M. EVANS-MONGEON	
ROW SHEET: 9 OF 10 SHEETS	SHEET 9 OF 66

SEP 16 2008

9



TOWN OF BRISTOL

① DURABLE 4 INCH WHITE LINE
 STA. 8+00 LT - STA. 12+75 LT
 STA. 8+00 RT - STA. 12+75 RT

DURABLE 4 INCH YELLOW LINE
 STA. 8+00 - STA. 12+75

COLD PLANING, BITUMINOUS PAVEMENT
 STA. 8+00 - STA. 12+75

FITZGERALD, NATHAN R.

CONSTRUCT DRIVE (PAVED)
 STA. 10+43.00 LT (24' PAVED APRON)
 STA. 11+56.00 LT (24' PAVED APRON)

ROW IN COMMON
 BACHAND II, THOMAS E. & THRESHER, LEANN, AND
 WILLIAMS, EUGENE & BETTY

**BUTLER, JERRY W. AND
 AVIS BUTLER,
 TRUSTEE OF THE HAROLD J.
 BUTLER REVOCABLE TRUST**

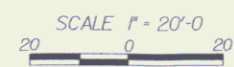
**END R.O.W. PROJECT
 ER ST 021-1(22)
 12+75.00 24.75'RT**

LEGEND	
EROSION MATTING	
PROJECT DEMARCATION FENCE	PDF
SILT FENCE	

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)

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.

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION III, V.S.A



LAYOUT SHEET 3

PROJECT: BRISTOL	PROJECT NO. 1 ER ST 021-1 (22)
DESIGN FILE NAME: 05b12615tr\05b126bdr.dgn	PLOT DATE: 20-FEB-2007
IPARM FILE NAME: 05b1261y3.1	CHECKED BY: G. ROKES
DESIGNED BY: M. EVANS-MONGEON	DRAWN BY: G. ROKES
SQUAD LEADER: M. EVANS-MONGEON	SHEET 10 OF 66
ROW SHEET: 10 OF 10 SHEETS	

**FOR R.O.W.
 USE ONLY**

SEP 16 2008

10