

R.O.W. PLANS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF CASTLETON

COUNTY OF RUTLAND

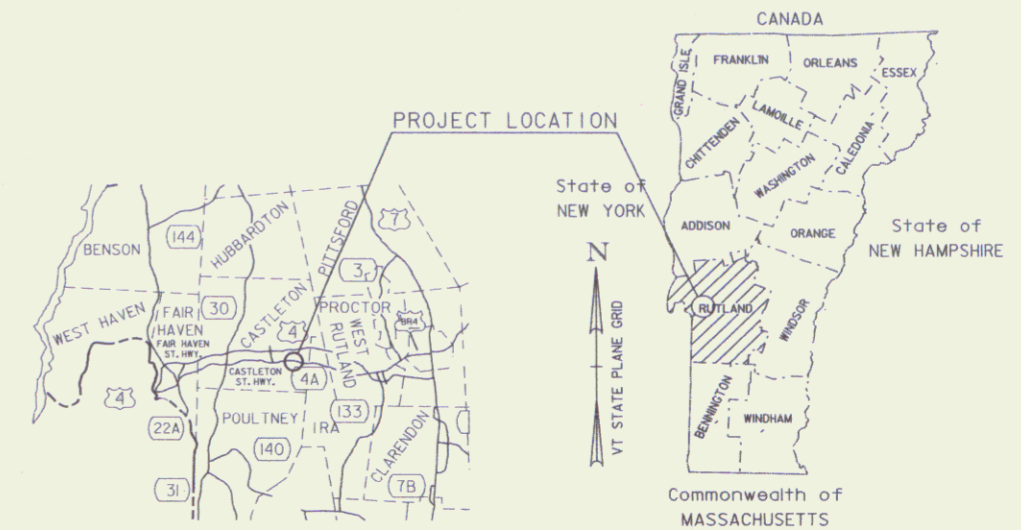
ROUTE NO : VT 4A

BRIDGE NO : 8

PROJECT LOCATION : The Bridge is at MM 4.20 east from Fair Haven.
The Project Limits are MM 4.17 and MM 4.23.

PROJECT DESCRIPTION : Replace bridge and approaches.

LENGTH OF STRUCTURE : 60.20 FEET.
LENGTH OF ROADWAY : 264.80 FEET.
LENGTH OF PROJECT : 325.00 FEET.
LENGTH OF ROW PROJECT : 528.2 FEET

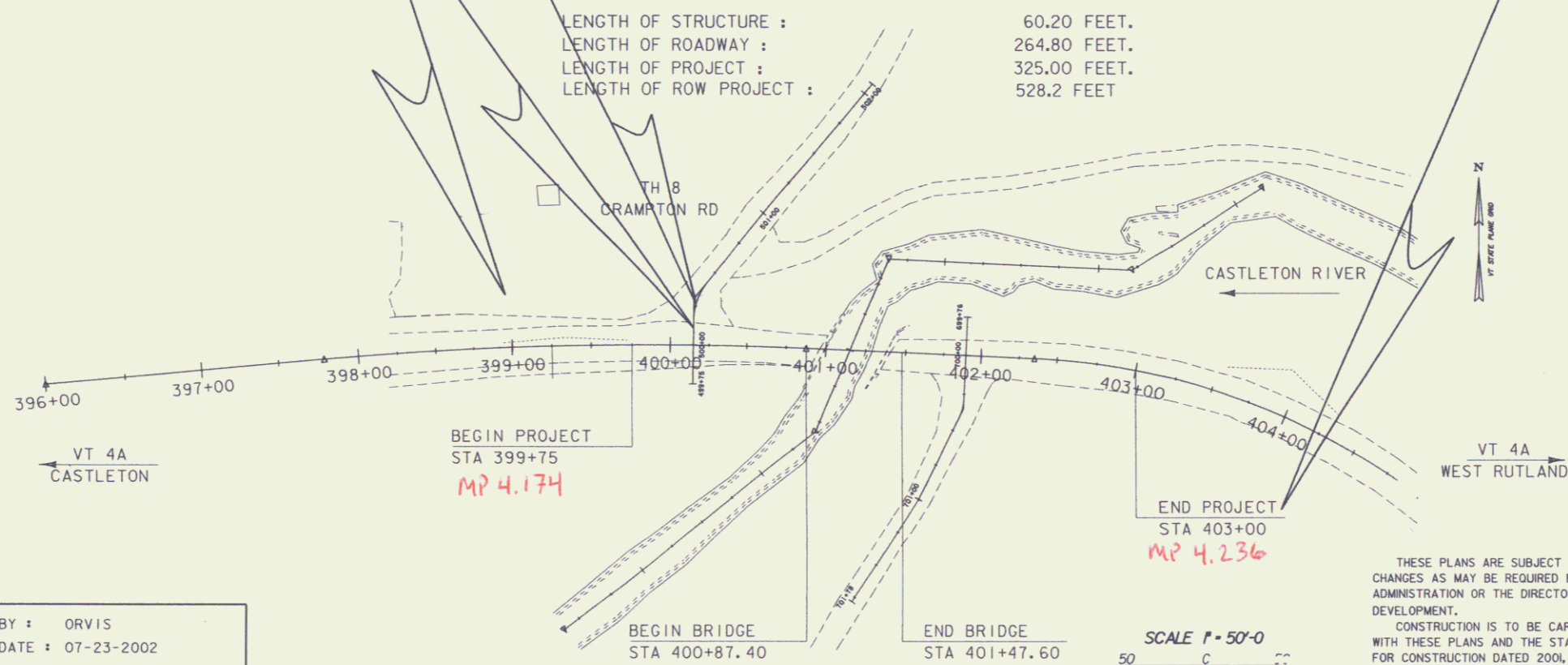


END MAINTENANCE AGREEMENT ZONE
TH #8 STA. 500+26.39 CL

BEGIN MAINTENANCE AGREEMENT ZONE
TH #8 STA. 500+11.00 CL LENGTH : 16.39'

BEGIN R. O. W. PROJECT RS 0142(10)
STA. 398+96.8 33.5' LT.

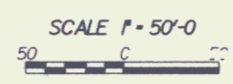
END R. O. W. PROJECT
RS 0142(10)
STA. 404+25.00 55.00' RT.



CONVENTIONAL SYMBOLS	
COUNTY LINE	— — — — —
TOWN LINE	— — — — —
LIMITS OF ACCESS	— ○ — ○ — ○ —
POINT OF ACCESS	X
FENCE LINE	X — 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 : ORVIS
SURVEYED DATE : 07-23-2002
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1996)

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



SEP 16 2008

P.in # 76F193

APPROVED *Richard J. Fournier* DATE 9-22-05
Director of Program Development
APPROVED *William J. Moore* DATE 9/23/05
Chief of Right of Way
CASTLETON
RS 0142(10)
R.O.W. SHEET 1 OF 14 SHEETS

PRELIMINARY INFORMATION SHEET

INDEX OF SHEETS

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- 01. Title
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- 04. Typical Sections - Channel
- 05. Typical Sections - Roadway
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- 08. Survey Plan 3
- 09. Survey Plan 4
- 10. Survey Ties
- 11. Layout Plan
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- 14. Profile 3 - Mainline Material
- 15. Profile 4 - THB & Drive 2
- 16. Utility Plan 1
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- 18. Resource Plan
- 19. Erosion - Notes
- 20. Erosion - Existing Plan
- 21. Erosion - Construction Plan
- 22. Erosion - Final Plan
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- 24. Erosion - Details 2
- 25. Erosion - Details 3
- 26. Traffic - Construction Plan
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- 40. Mainline Sections 8
- 41. Mainline Sections - Abuts
- 42. Channel Sections 1
- 43. Channel Sections 2
- 44. Channel Sections 3
- 45. THB Sections 1
- 46. THB Sections 2
- 47. Drive 2 Sections

FINAL HYDRAULIC REPORT

HYDROLOGIC DATA Date: 9/14/04

DRAINAGE AREA: 32.9 square miles
 CHARACTER OF TERRAIN: Rolling to mountainous
 STREAM CHARACTERISTICS: Sinuous
 NATURE OF STREAMBED: Cobbles, gravel, sand and silt

PEAK FLOW DATA
 Q 2.33 = 900 cfs Q 50 = 2700 cfs
 Q 10 = 1800 cfs Q 100 = 3100 cfs
 Q 25 = 2300 cfs Q 500 = 4400 cfs

DATE OF FLOOD OF RECORD: Unknown
 ESTIMATED DISCHARGE: Unknown
 WATER SURFACE ELEV.: Unknown
 NATURAL STREAM VELOCITY: @ Q50 = 4.5 fps
 ICE CONDITIONS: Moderate
 DEBRIS: Moderate
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? No
 IS ORDINARY RISE RAPID? No
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? No
 IF YES, DESCRIBE:

WATERSHED STORAGE: 3.0% HEADWATERS: UNIFORM
 IMMEDIATELY ABOVE SITE: x

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: Single span concrete thru girder bridge
 YEAR BUILT: 1924
 CLEAR SPAN(NORMAL TO STREAM): 34'
 VERTICAL CLEARANCE ABOVE STREAMBED: 12'
 WATERWAY OF FULL OPENING: 348 sq. ft.
 DISPOSITION OF STRUCTURE: Remove
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: Refer to borings

WATER SURFACE ELEVATIONS AT:
 Q2.33 = 428.4 ft VELOCITY = 5.5 fps
 Q10 = 431.0 ft " 7.6 fps
 Q25 = 432.1 ft " 8.9 fps
 Q50 = 433.1 ft " 9.8 fps
 Q100 = 433.7 ft " 10.8 fps

LONG TERM STREAMBED CHANGES: Unknown

IS THE ROADWAY OVERTOPPED BELOW Q100: Yes
 FREQUENCY: Just above Q50
 RELIEF ELEVATION: 433.2 ft
 DISCHARGE OVER ROAD @Q100: 131 cfs

UPSTREAM STRUCTURE

TOWN: Castleton DISTANCE: 1.53 mi.
 HIGHWAY #: VT 4A STRUCTURE #: B11
 CLEAR SPAN: 47' CLEAR HEIGHT: 7'
 YEAR BUILT: 1988 FULL WATERWAY: 403 sq. ft.
 STRUCTURE TYPE: Steel beam bridge

DOWNSTREAM STRUCTURE

TOWN: Castleton DISTANCE: 0.40 mi.
 HIGHWAY #: VT 4A STRUCTURE #: B7
 CLEAR SPAN: 65' CLEAR HEIGHT: 7'
 YEAR BUILT: 1984 FULL WATERWAY: 340 sq. ft.
 STRUCTURE TYPE: Steel beam bridge

LOAD FACTOR - LOAD RATING (TONS)

LOADING LEVELS	TRUCK						
	H	HS	3S2	6 AXLE	3A STR	4A STR	5A SEM
INVENTORY	0	0					
POSTED	0	0	0	0	0	0	0
OPERATING	0	0	0	0	0	0	0

COMMENTS: 0

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2006	2100	210	63	3	100
2026	2800	290	63	5	200

20 year ESAL for flexible pavement from 2006 to 2026 : 497000
 40 year ESAL for flexible pavement from 2006 to 2046 : 1301000
 Design Speed : 35 mph

PROPOSED STRUCTURE

STRUCTURE TYPE: Single Span Prestressed Concrete Voids Slab Bridge
 CLEAR SPAN(NORMAL TO STREAM): 50.5'
 VERTICAL CLEARANCE ABOVE STREAMBED: 12.5'
 WATERWAY OF FULL OPENING: 495 sq. ft.

WATER SURFACE ELEVATIONS AT:
 Q2.33 = 428.4 ft VELOCITY= 5.0 fps
 Q10 = 430.9 ft " 6.4 fps
 Q25 = 431.9 ft " 7.4 fps
 Q50 = 432.9 ft " 8.1 fps
 Q100 = 433.5 ft " 8.8 fps

IS THE ROADWAY OVERTOPPED BELOW Q100: Yes
 FREQUENCY: Q75
 RELIEF ELEVATION: 433.3'
 DISCHARGE OVER ROAD @Q100: 70 cfs

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 435.6'
 VERTICAL CLEARANCE: @ Q50 = 2.7'

SCOUR: 4 ft maximum contraction scour at Q500

REQUIRED CHANNEL PROTECTION: Type III

PERMIT INFORMATION

AVERAGE DAILY FLOW: 65 cfs DEPTH OR ELEVATION:
 ORDINARY LOW WATER: 20 cfs Elevation = 424.0
 ORDINARY HIGH WATER: 400 cfs Elevation = 428.0

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: Single span bridge
 CLEAR SPAN (NORMAL TO STREAM): 35 ft (minimum)
 VERTICAL CLEARANCE ABOVE STREAMBED: Bottom of beam elev. 432.0' (min.)
 WATERWAY AREA OF FULL OPENING: 315 sq. ft. (minimum)

ADDITIONAL INFORMATION

DESIGN CRITERIA

- DESIGN LIVE LOAD AASHTO: HS-25
- DESIGN SPAN: 57
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL ON LEDGE: NA
- ALLOWABLE LOAD FOR PILING: 184 kip
TYPE: HP 12x84 GR 50
ESTIMATED LENGTH: Abut 1 is approx 35'; Abut 2 is approx 40'
- STRUCTURAL STEEL AASHTO M270M270 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: NA

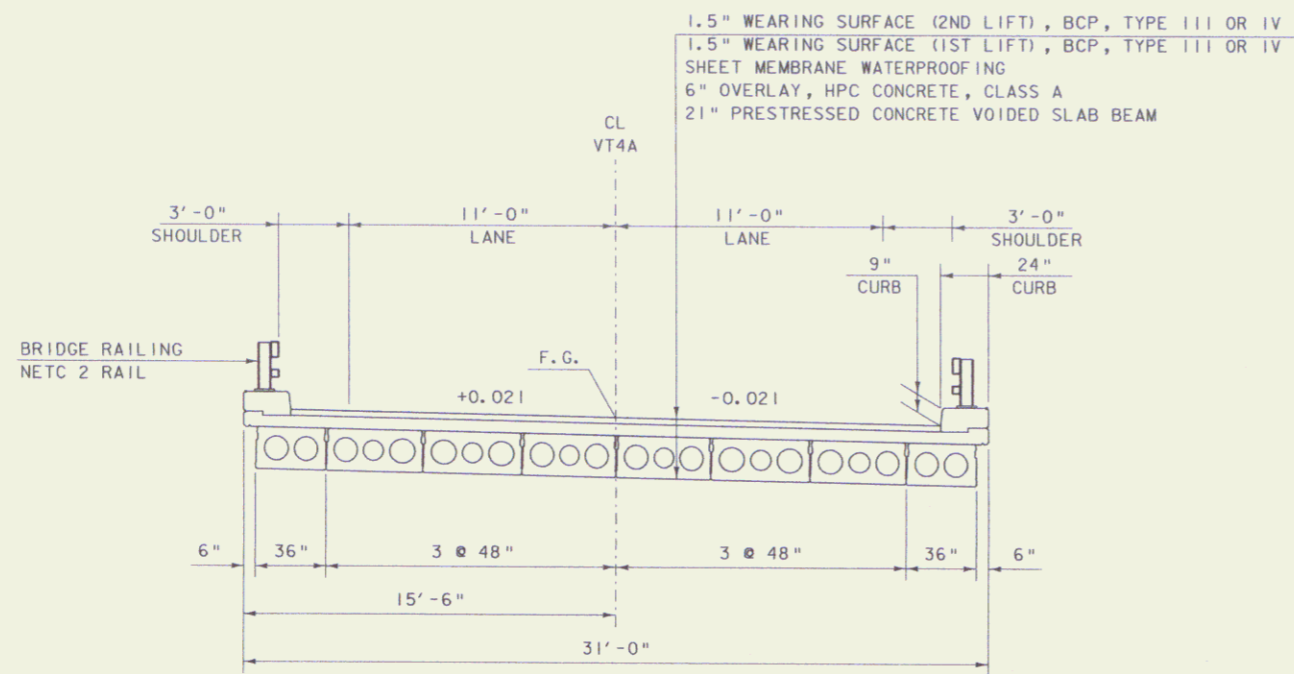
TRAFFIC MAINTENANCE

- IS TRAFFIC TO BE MAINTAINED? Yes
IF YES, ON EXISTING STRUCTURE? Temporary Bridge
OR ON TEMPORARY BRIDGE? Two-way
- ONE OR TWO-WAY TRAVEL? Two-way
- TRAFFIC CONTROL SIGNALS REQUIRED? No
- ARE SIDEWALKS REQUIRED? No
IF SO, ON WHAT SIDE?

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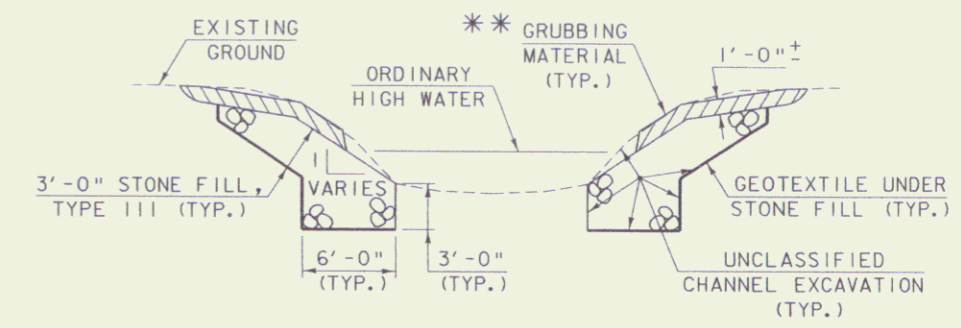
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 PROJECT NUMBER: RS 0142(10)

FILE NAME: srf193pl.xls PLOT DATE: 05/31/2005
 PROJECT MANAGER: R. Whitcomb DRAWN BY: str3
 DESIGNED BY: T. Lackey CHECKED BY:
 PRELIMINARY INFORMATION SHEET #1 ROW SHEET 2 OF 14



TYPICAL BRIDGE SECTION

SCALE 1/4" = 1'-0"



CHANNEL TYPICAL SECTION

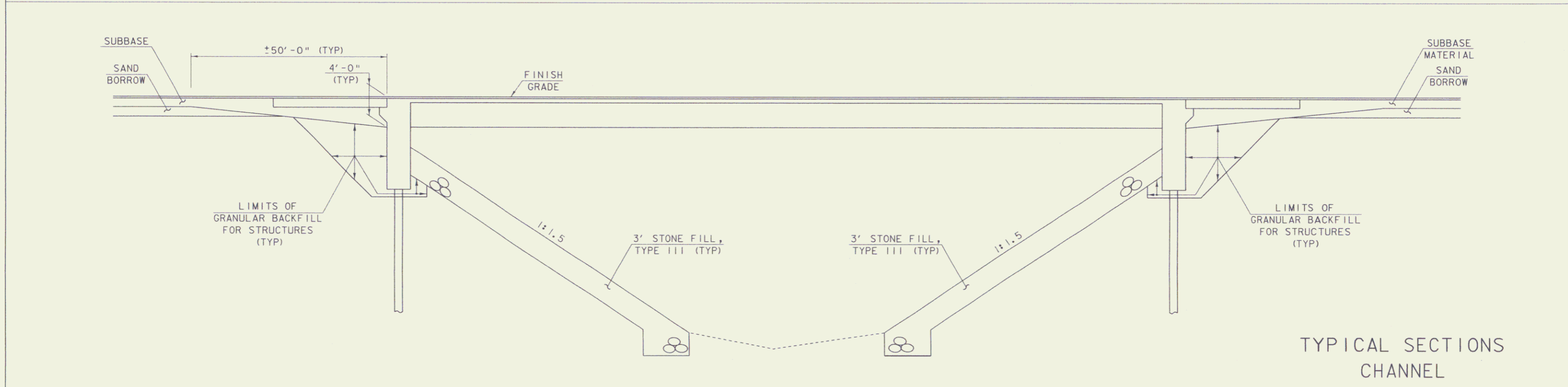
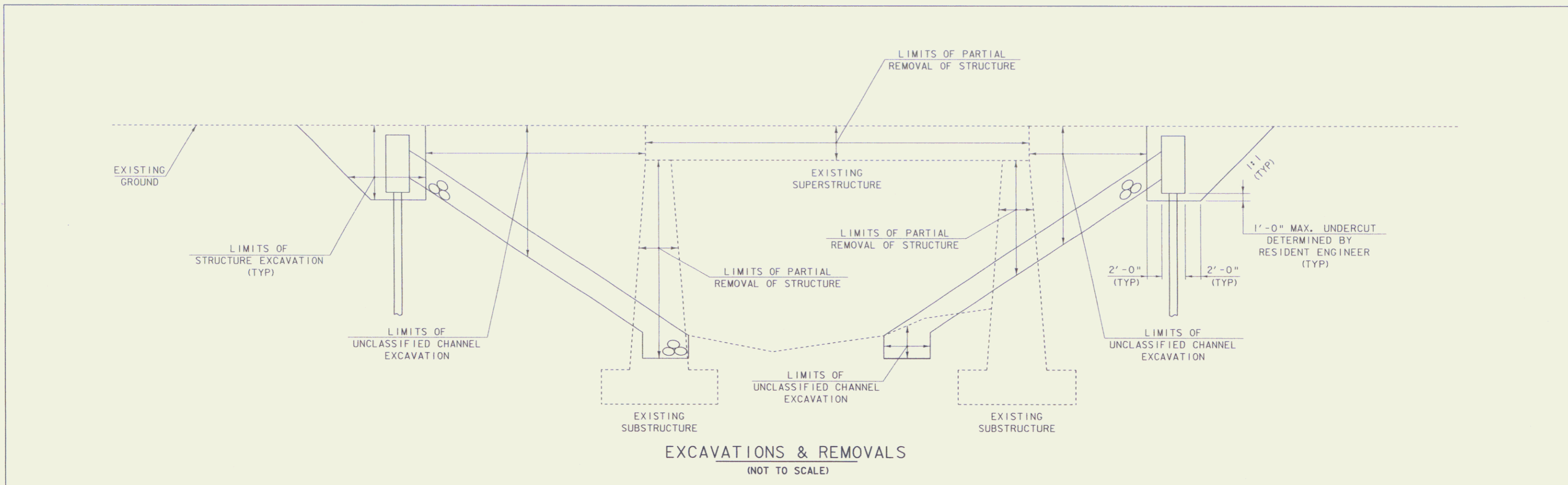
NOT TO SCALE

** 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
 BRIDGE

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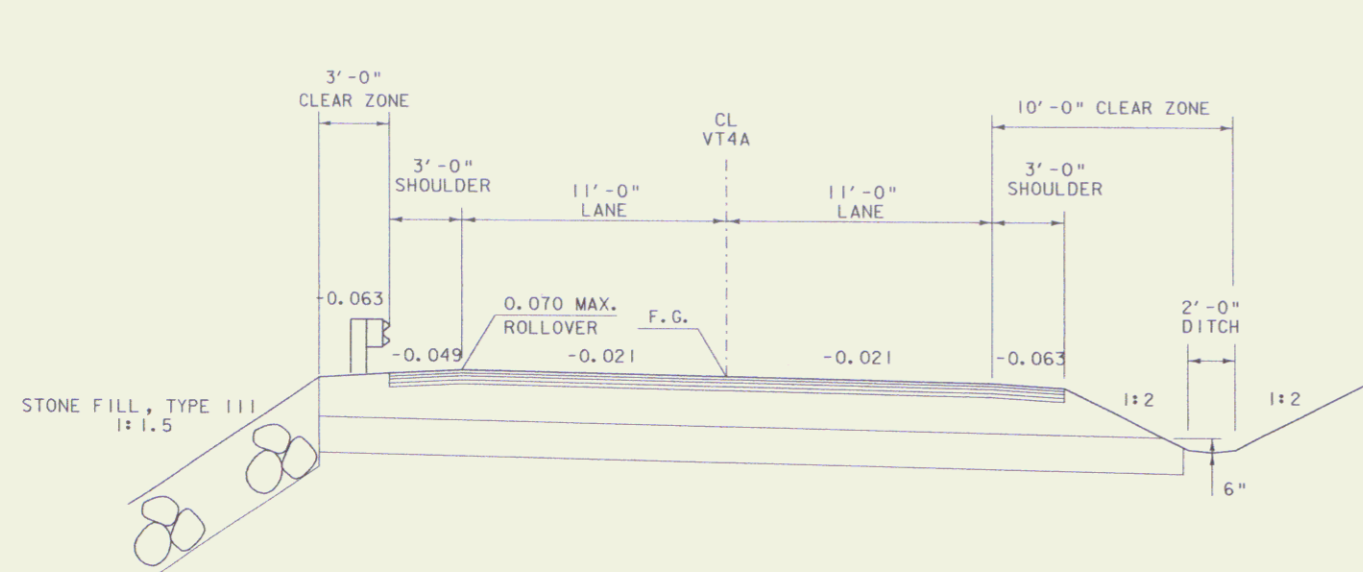
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PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: s:f193t.xl1	DESIGNED BY: T. LACKEY
PROJECT LEADER: R. WHITCOMB	CHECKED BY:
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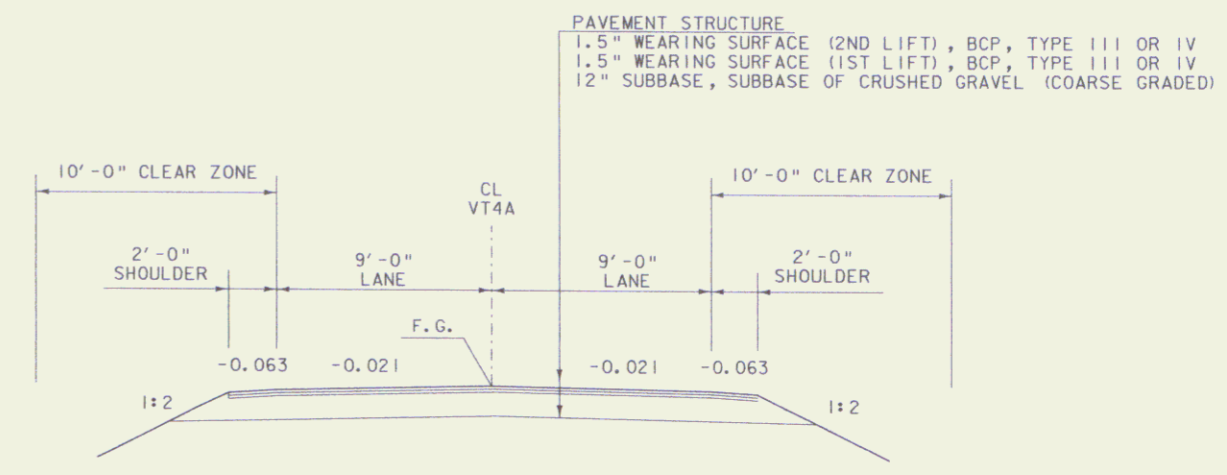
FILLS
(NOT TO SCALE)

SEP 16 2008

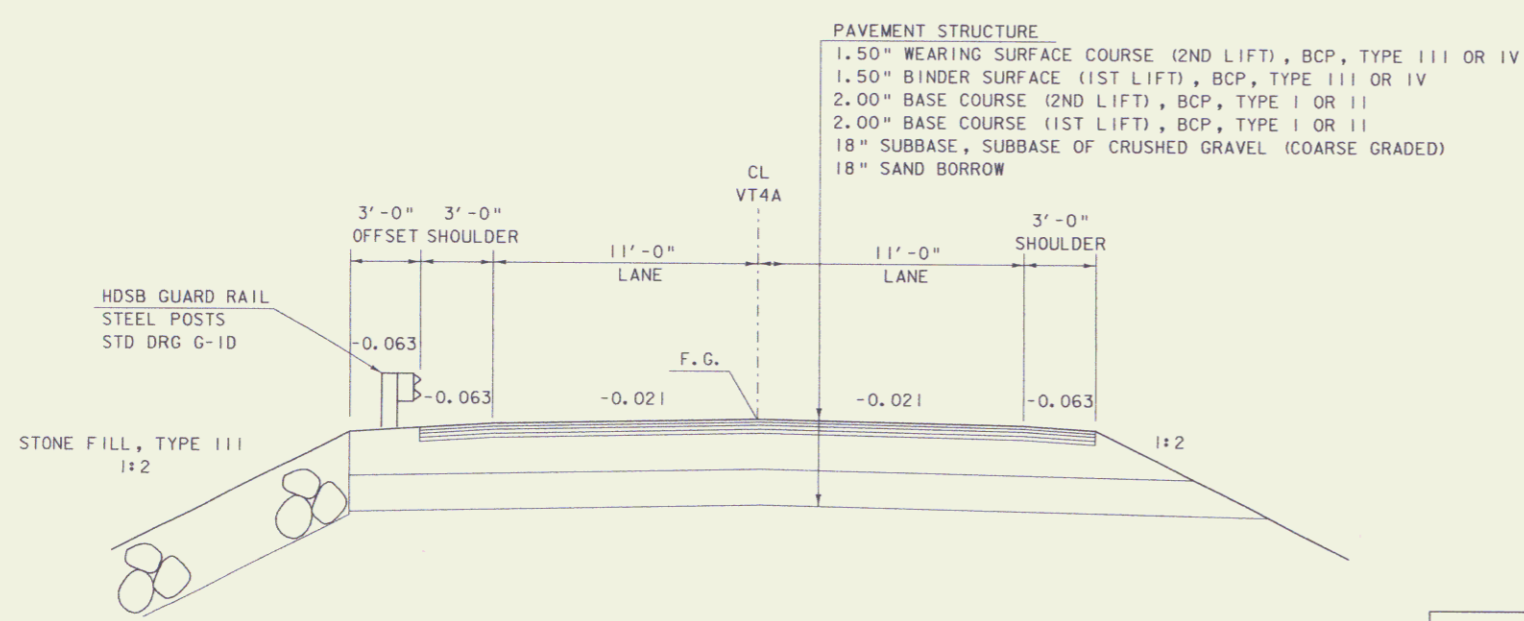
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PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: s:f193+x2.1	CHECKED BY:
PROJECT LEADER: R. WHITCOMB	ROW SHEET 4 OF 14
DESIGNED BY: T. LACKEY	
78F193/str/sf193xsl.dgn	



MAINLINE
TYPICAL ROADWAY SECTION
BANKED

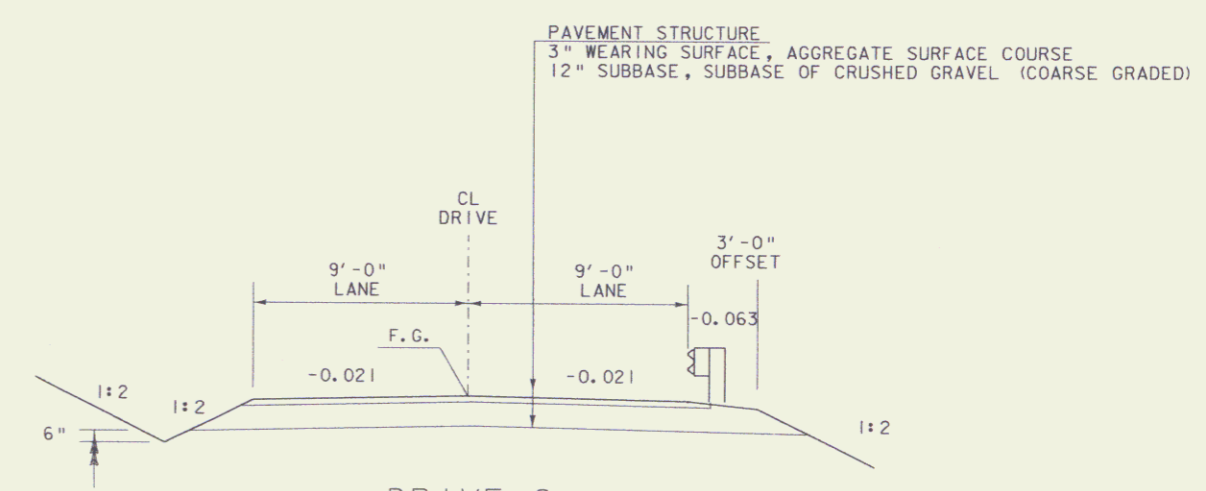


TH 8
TYPICAL ROADWAY SECTION
NORMAL CROWN



MAINLINE
TYPICAL ROADWAY SECTION
NORMAL CROWN

MATERIAL ITEM	TOLERANCE
PAVEMENT SURFACE COURSE	± 1/4" TOTAL THICKNESS
PAVEMENT BASE COURSE	± 1/2"
AGGREGATE SURFACE COURSE	± 1/2"
SUBBASE	± 1"
SAND BORROW	± 1"
GRANULAR BORROW	± 1"



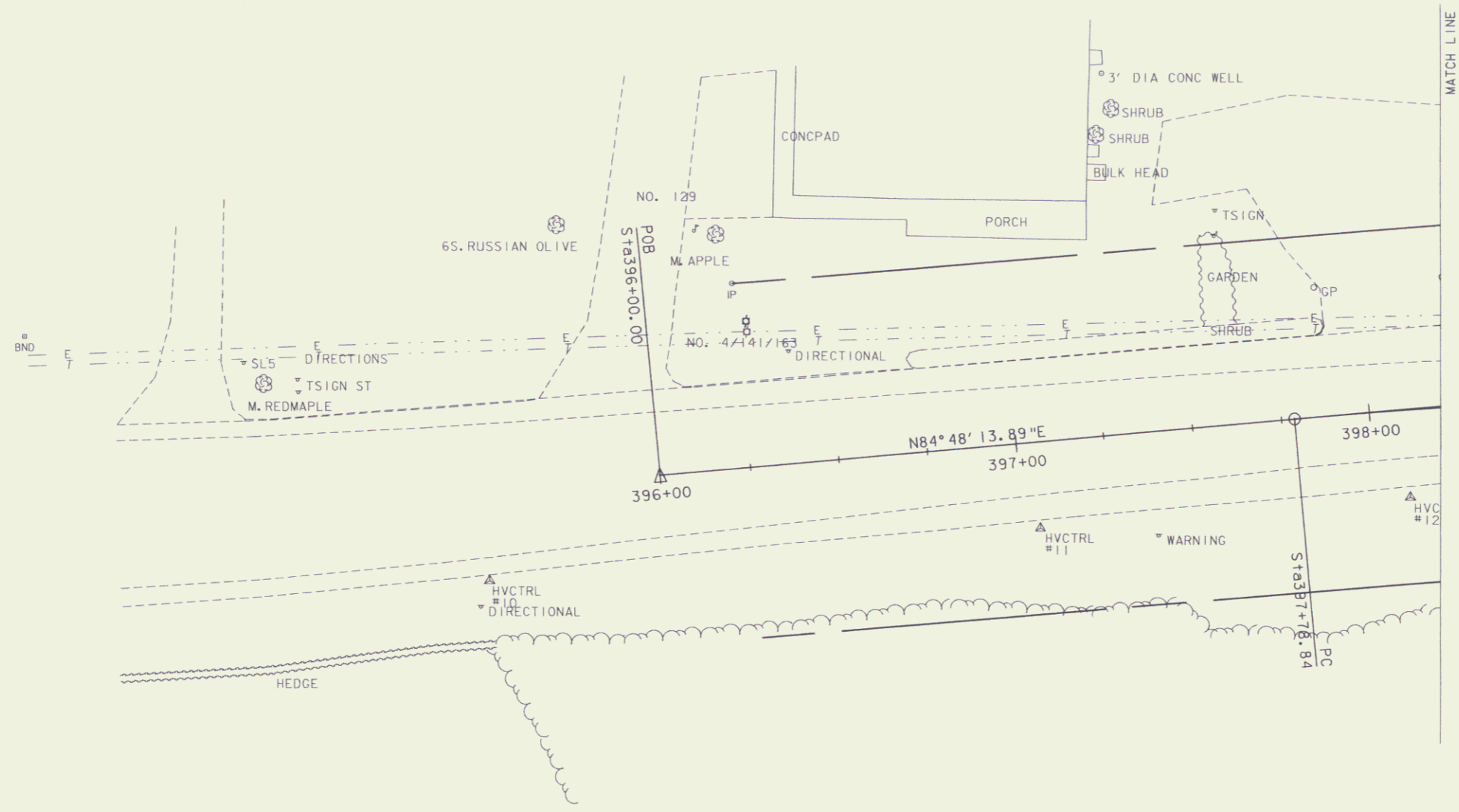
DRIVE 2
TYPICAL ROADWAY SECTION
NORMAL CROWN

TYPICAL SECTIONS
ROADWAY

SEP 16 2008

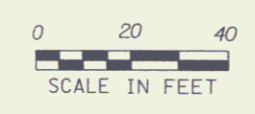
SCALE 1/4" = 1'-0"
1 0 2 4 6

PROJECT NAME: CASTLETON	PLOT DATE: 05-JUL-2005
PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: sfi93t.x3.1	CHECKED BY:
PROJECT MANAGER: R. WHITCOMB	ROW SHEET 5 OF 14
DESIGNED BY: T. LACKEY	
78f93/str/sfi93xsl.dgn	



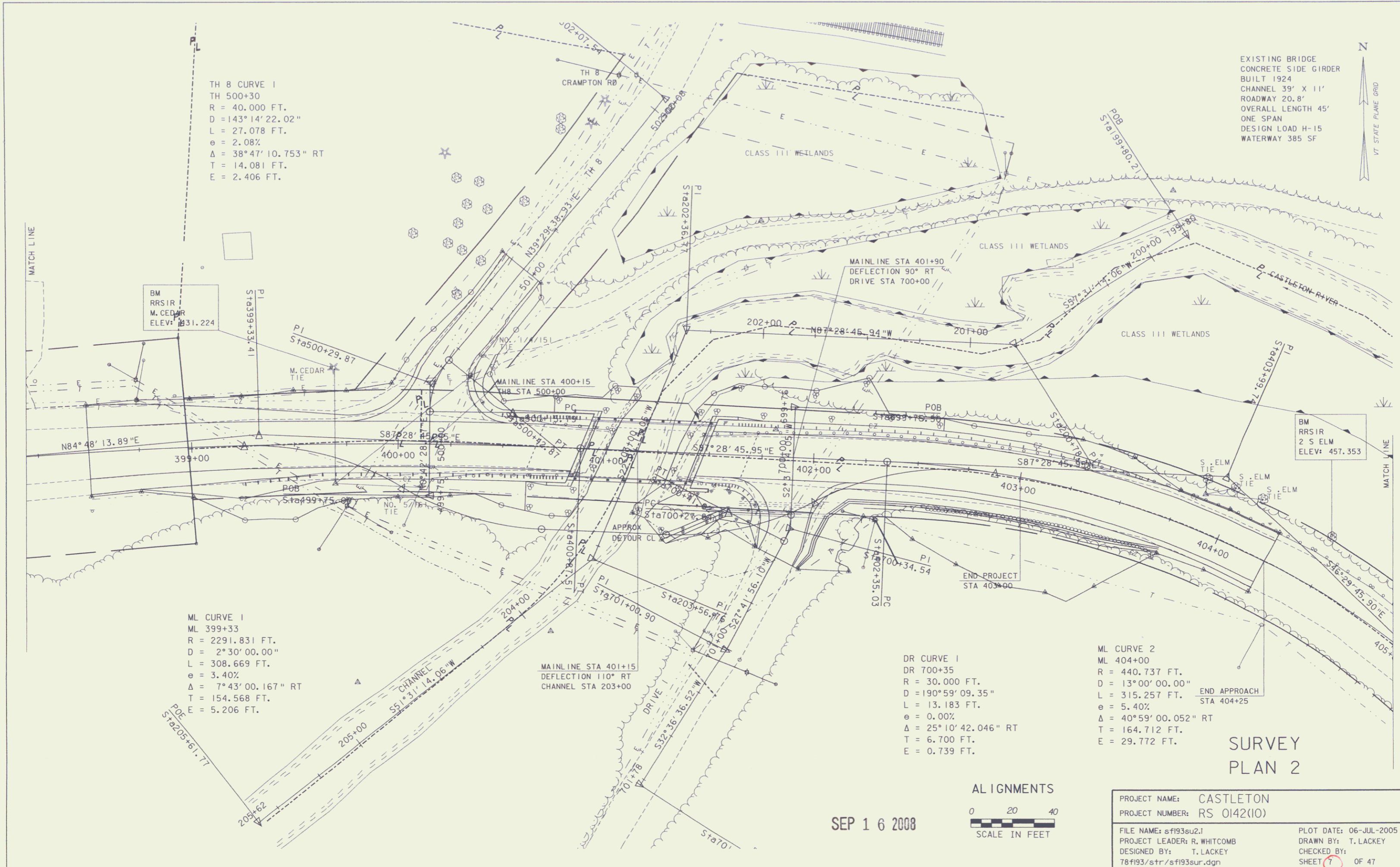
SURVEY
PLAN I

SEP 16 2008



PROJECT NAME: CASTLETON	PLOT DATE: 05-JUL-2005
PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: sf193sul1	CHECKED BY:
PROJECT LEADER: R. WHITCOMB	ROW SHEET 6 OF 14
DESIGNED BY: T. LACKEY	
78f193/str/sf193sur.dgn	

6



TH 8 CURVE 1
 TH 500+30
 R = 40.000 FT.
 D = 143° 14' 22.02"
 L = 27.078 FT.
 e = 2.08%
 Δ = 38° 47' 10.753" RT
 T = 14.081 FT.
 E = 2.406 FT.

ML CURVE 1
 ML 399+33
 R = 2291.831 FT.
 D = 2° 30' 00.00"
 L = 308.669 FT.
 e = 3.40%
 Δ = 7° 43' 00.167" RT
 T = 154.568 FT.
 E = 5.206 FT.

MAINLINE STA 401+15
 TH 8 STA 500+00
 CHANNEL STA 203+00

DR CURVE 1
 DR 700+35
 R = 30.000 FT.
 D = 190° 59' 09.35"
 L = 13.183 FT.
 e = 0.00%
 Δ = 25° 10' 42.046" RT
 T = 6.700 FT.
 E = 0.739 FT.

ML CURVE 2
 ML 404+00
 R = 440.737 FT.
 D = 13° 00' 00.00"
 L = 315.257 FT.
 e = 5.40%
 Δ = 40° 59' 00.052" RT
 T = 164.712 FT.
 E = 29.772 FT.

EXISTING BRIDGE
 CONCRETE SIDE GIRDER
 BUILT 1924
 CHANNEL 39' X 11'
 ROADWAY 20.8'
 OVERALL LENGTH 45'
 ONE SPAN
 DESIGN LOAD H-15
 WATERWAY 385 SF



**SURVEY
 PLAN 2**



SEP 1 6 2008

PROJECT NAME:	CASTLETON	PLOT DATE:	06-JUL-2005
PROJECT NUMBER:	RS 0142(10)	DRAWN BY:	T. LACKEY
FILE NAME:	sfi93e2.j	DESIGNED BY:	T. LACKEY
PROJECT LEADER:	R. WHITCOMB	CHECKED BY:	T. LACKEY
78f93/str/sfi93sur.dgn		SHEET	7 OF 47

GPS CONTROL POINTS

HVCTRL # 1

STANDARD DISK STAMPED

v 5

N = 406566.552
E = 146698.769
ELEV. = 447.62

General Location, Castleton, VT access ownership, Greg Pratt, 358 Crampton Road, Castleton, VT 05735
To reach from the intersection of VT route 4A and VT route 30 at Castleton Corners go east along route 4A for 2.2 mi to the intersection of East Hubbardton Road left. Continue straight ahead and go east along route 4A for 0.15 mi to the intersection of Crampton Road left. Turn left and go northeast and east along Crampton road for 0.4 mi to the end of the road at the intersection of a paved drive left leading to house no. 358. Park vehicle and walk south for about 50 m to the Delaware and Hudson Railway at pole no. 452/8/9. Turn left and walk east along the railway for about 80 m to the intersection of an old road grade crossing and the site of the mark on the right. The mark is set in the top of a 20 cm square concrete monument which projects 8 cm above the ground surface. It is 5.7 m south of and about level with the south rail of the tracks, 5.9 m east of the centerline of the road, 11.9 m northeast of pole no. 160, 3.5 m north of the right-of-way fence, and 0.3 m south of a steel witness post.

HVCTRL # 2

STANDARD DISK STAMPED

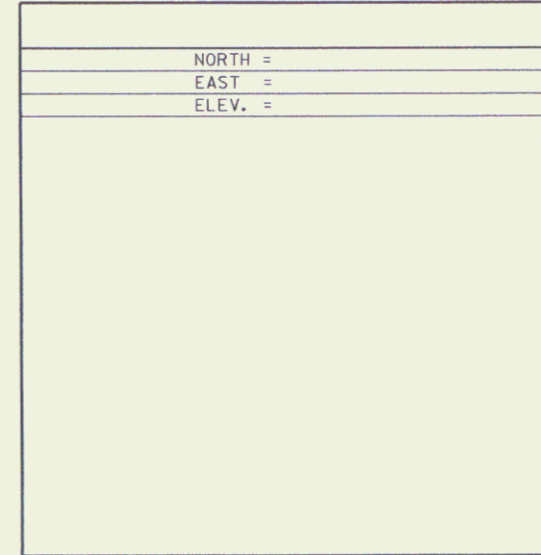
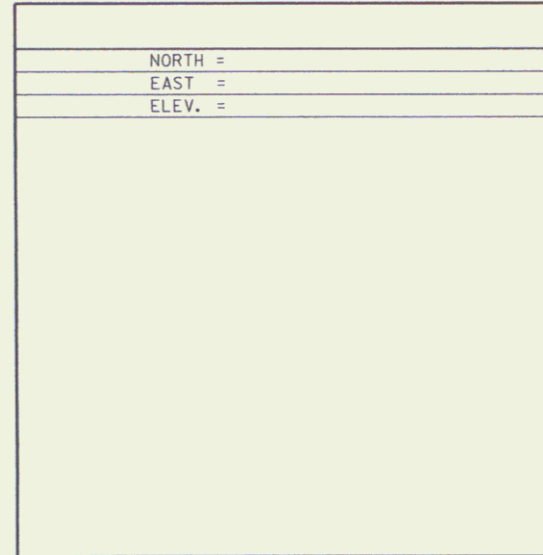
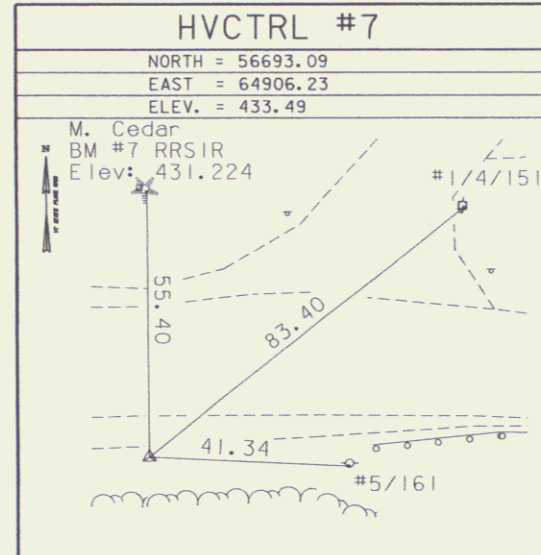
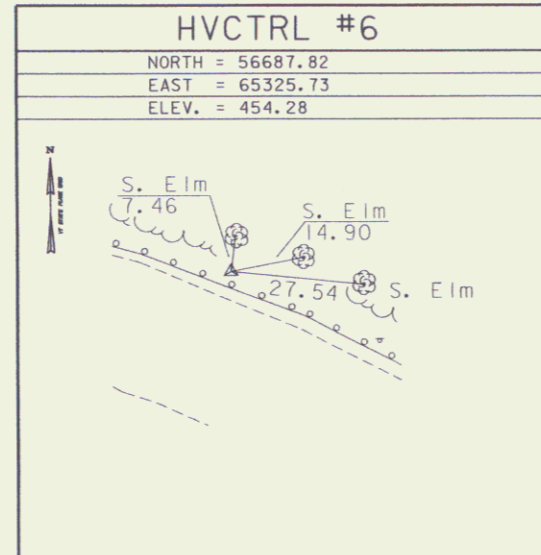
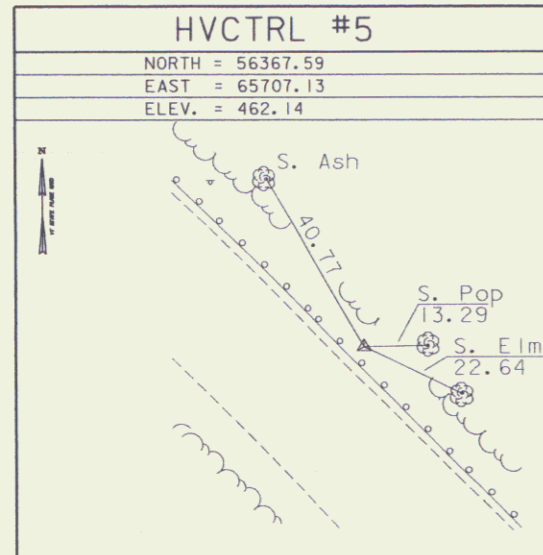
Crampton

N = 406950.324
E = 146583.224
ELEV. = 435.637

General location, Castleton, VT.
To reach from the intersection of VT route 4A and VT route 30 at Castleton Corners go east along route 4A for 2.2 mi to the intersection of east Hubbardton Road left. Continue straight ahead and go east along route 4A for 0.15 mi to the intersection of Crampton Road left. Turn and go northeast along Crampton Road for 0.05 mi to the intersection of the Delaware and Hudson Railway and the site of the mark on the right. The mark is set 2 cm below ground surface in the top of a feno style monument. It is 3.9 m southeast of and about 0.1 m lower than the centerline of Crampton Road, 7.1 m northeast of the northeast rail of the tracks, 25.9 m east northeast of pole no. 45/1/2, 1.7 m north of a stop sign, 0.5 m northwest of a fiberglass witness post.
NOTE: Mark is intervisable with mark V5.

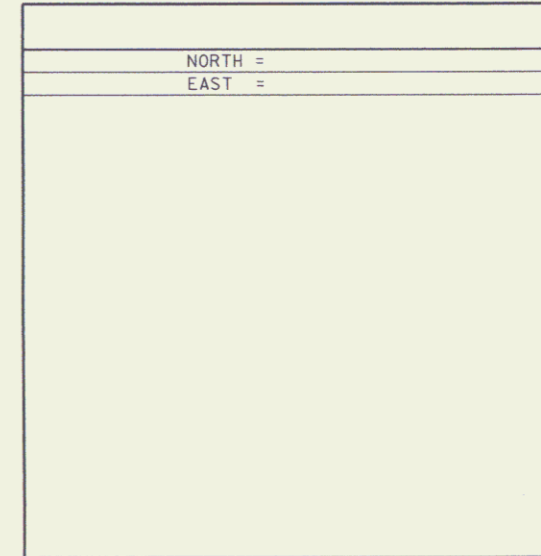
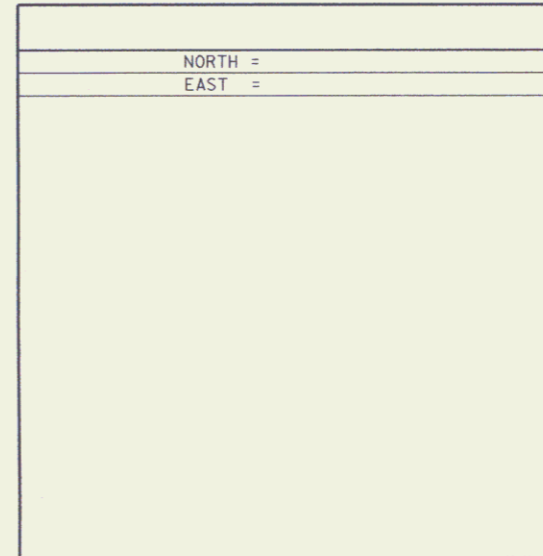
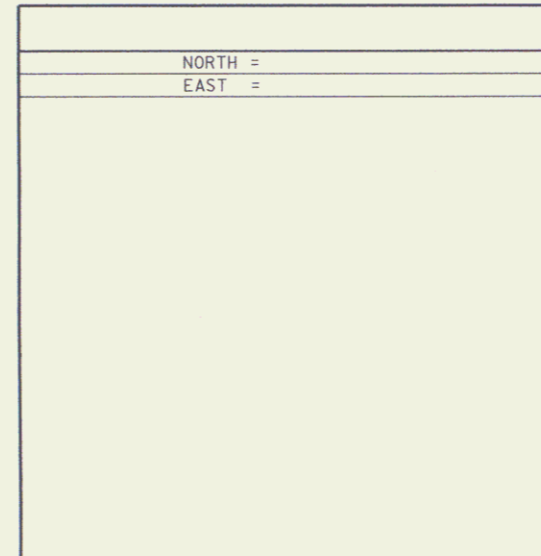
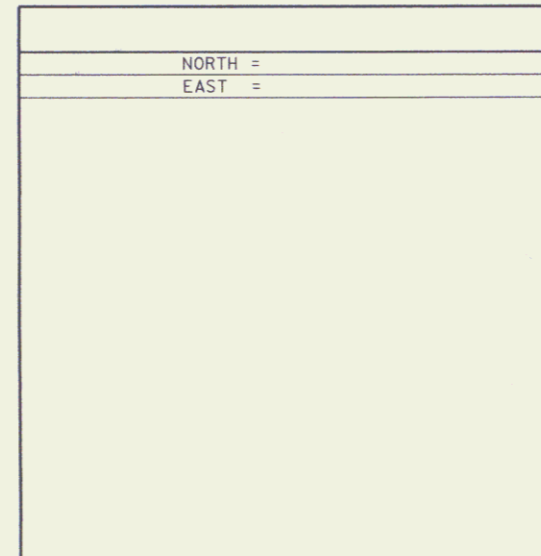
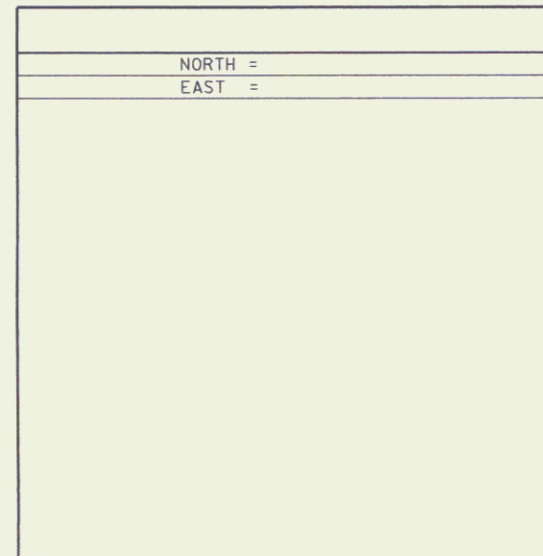
- DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT
- TO ALLOW THE STATE PLANE COORDINATES TO FIT THE AGENCY DESIGN PLANE, SUBTRACT 350,000 FROM THE NORthing AND SUBTRACT 1,400,000 FROM THE EASTING

TRAVERSE TIES



• MAIN TRAVERSE COMPLETED 07/23/02 by L. Orvis P.C. J. Hulett T. Wilson

ALIGNMENT TIES



• ALIGNMENT STAKED

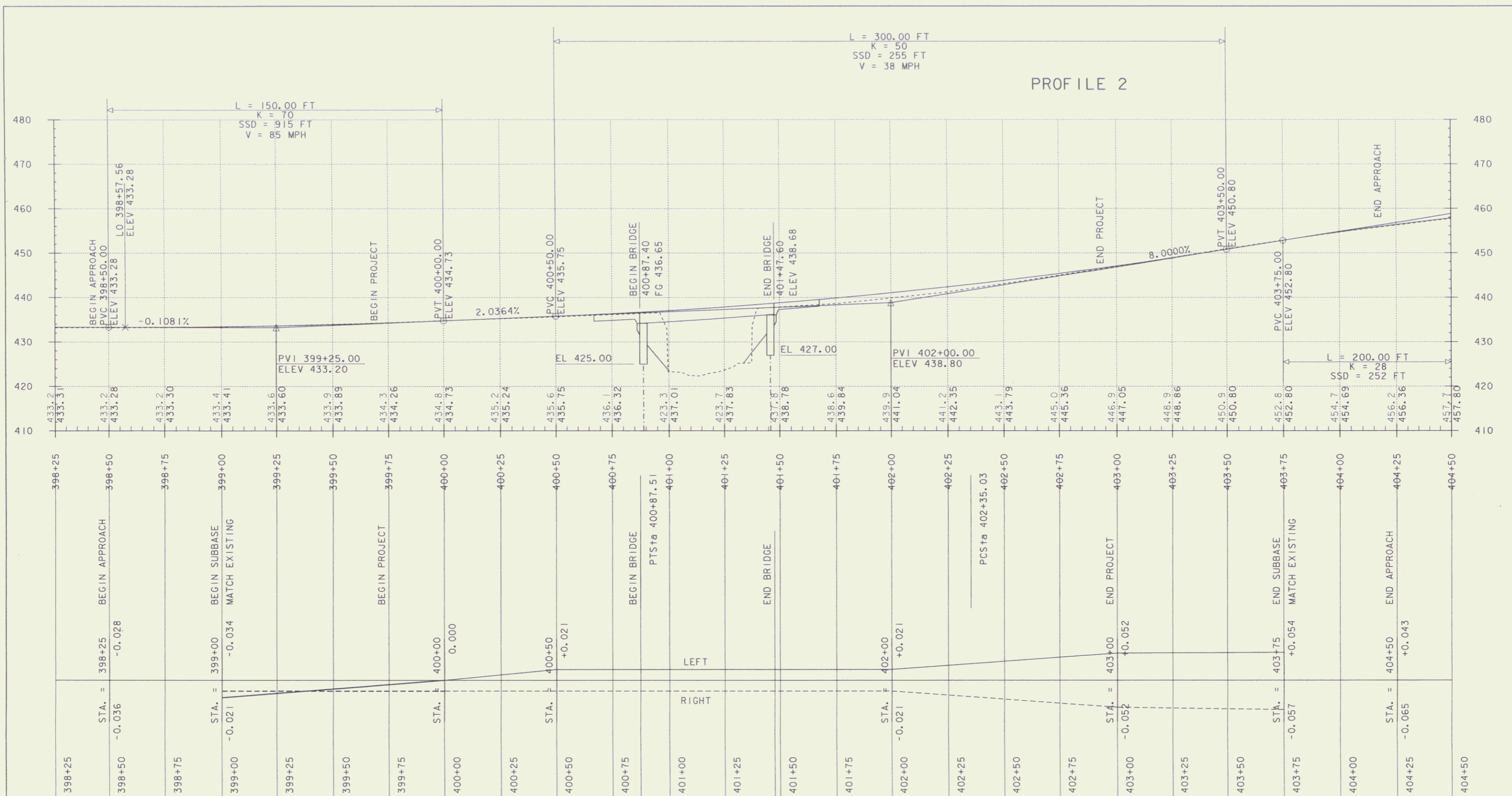
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	NONE

SEP 16 2008

PROJECT NAME: Castleton
PROJECT NUMBER: RSO142 (10)

FILE NAME: T8193/survey/xf193t1.dgn
PROJECT LEADER:
DESIGNED BY:

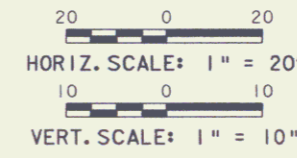
PLOT DATE: 05-JUL-2005
DRAWN BY: R. Bullock
CHECKED BY:
ROW SHEET 8 OF 14



SUPERELEVATION

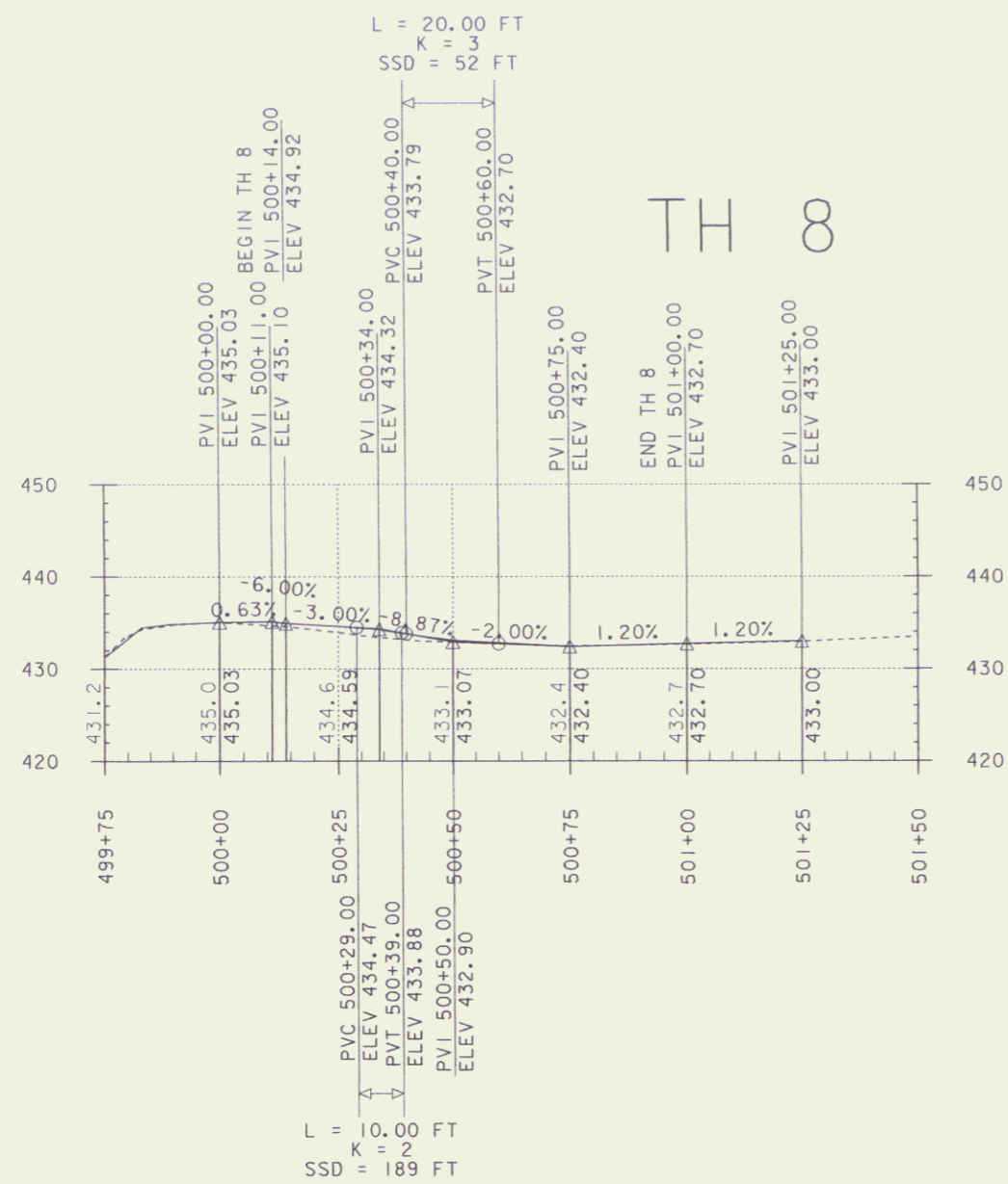
PROFILE SHEET 1
MAINLINE

SEP 16 2008

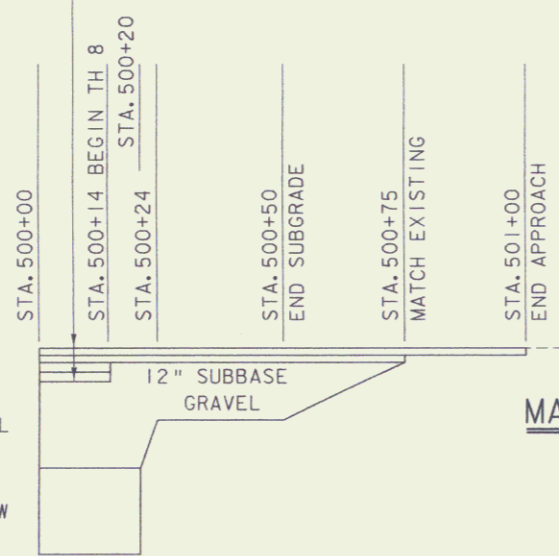


PROJECT NAME: CASTLETON	PROJECT NUMBER: RS 0142(10)	FILE NAME: sfi93p.fli	PLOT DATE: 05-JUL-2005
PROJECT LEADER: R. WHITCOMB	DESIGNED BY: T. LACKEY	78f193/structures/sfi93xsl.dgn	DRAWN BY: T. LACKEY
			CHECKED BY:
			ROW SHEET 9 OF 14

9



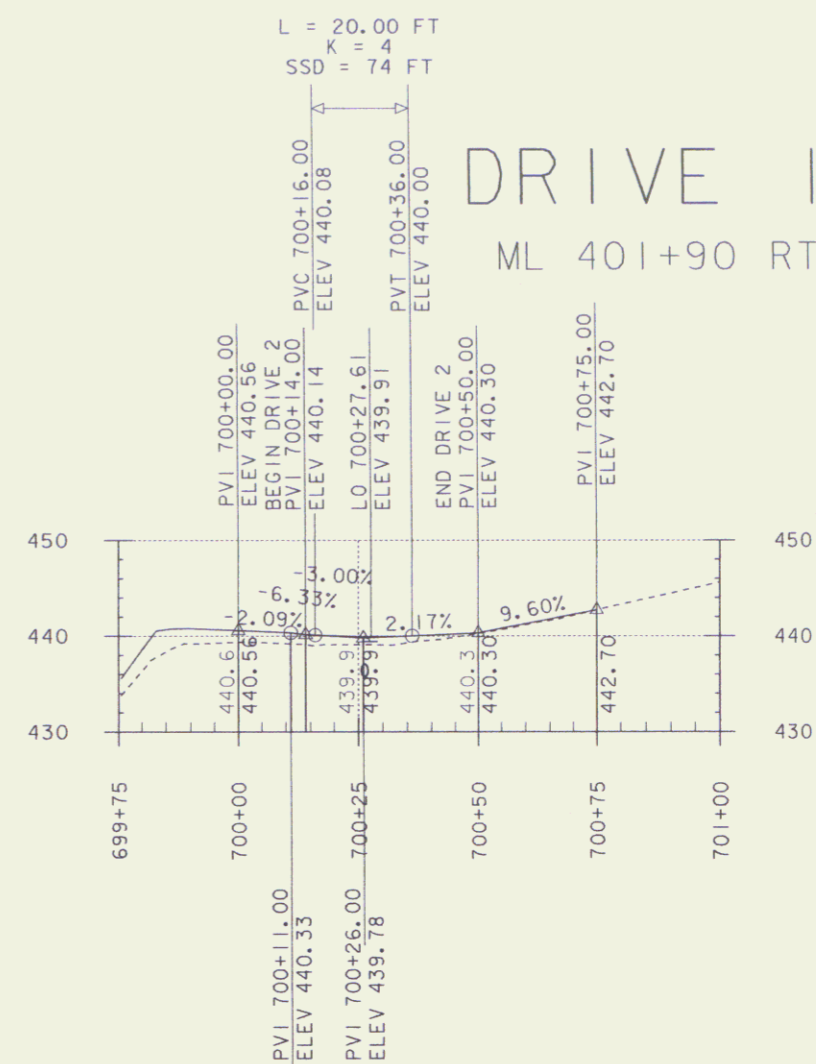
- 1 1/2" WEARING SURFACE COURSE (2ND LIFT) BCP TYPE III OR IV (TYP.)
- 1 1/2" WEARING SURFACE COURSE (1ST LIFT) BCP TYPE III OR IV (TYP.)
- 2" BASE COURSE (2ND LIFT) BCP TYPE I OR II (TYP.)
- 2" BASE COURSE (1ST LIFT) BCP TYPE I OR II (TYP.)



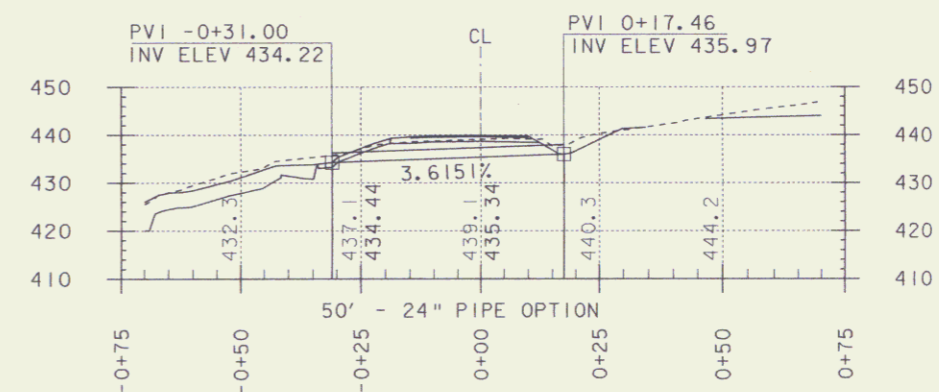
MATERIAL TRANSITION DETAIL

HORIZ. SCALE: 1" = 20'-0"
 VERT. SCALE: 1" = 20"

TH 8



DRIVE I CULVERT
 DRI PC 700+27.84

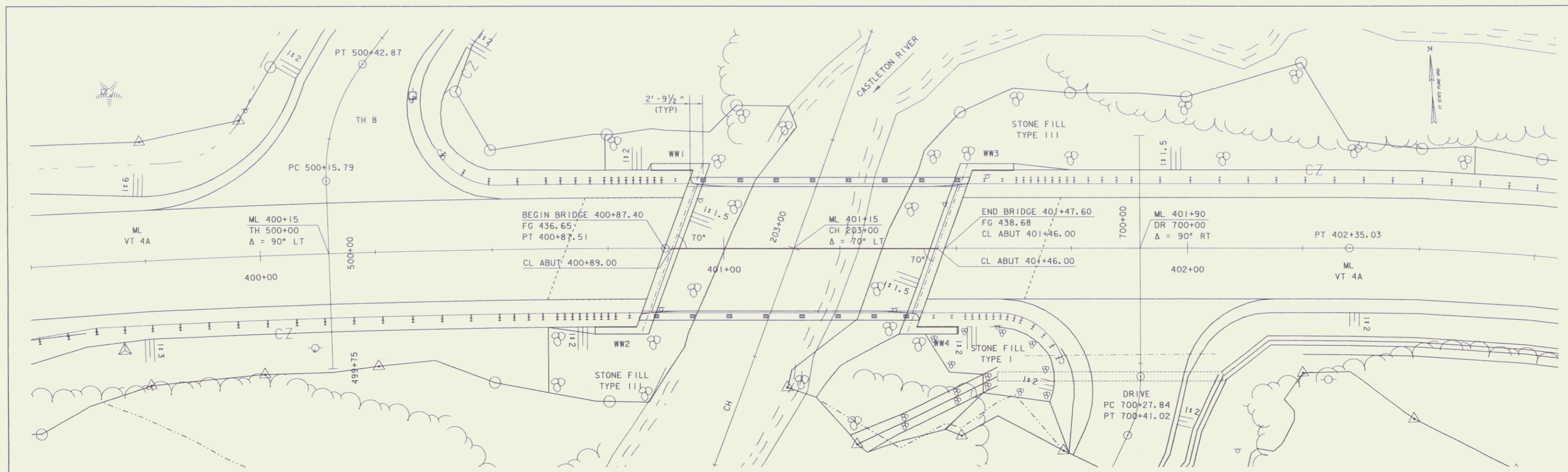


PROFILE SHEET 4
 TH 8 & DRIVE

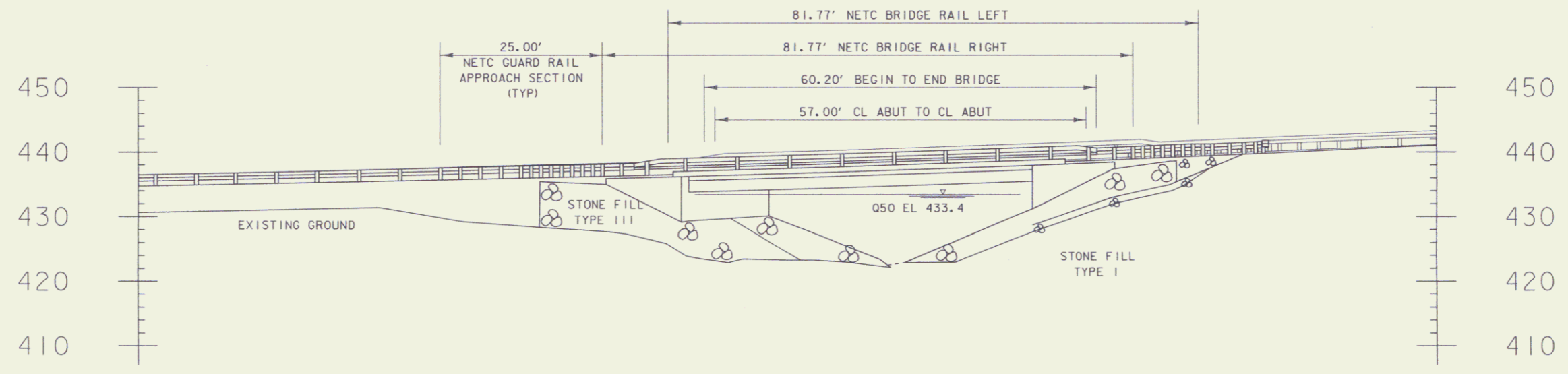
SEP 16 2008

PROJECT NAME: CASTLETON	PLOT DATE: 06-JUL-2005
PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: s:f193p3.1	CHECKED BY:
PROJECT LEADER: R. WHITCOMB	ROW SHEET 10 OF 14
DESIGNED BY: T. LACKEY	

10



PLAN
SCALE 1" = 10'-0"



ELEVATION
SCALE 1" = 10'-0"

SEP 16 2008

PROJECT NAME: CASTLETON	PLOT DATE: 05-JUL-2005
PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: sf193pe.dgn	CHECKED BY:
PROJECT LEADER: R. WHITCOMB	ROW SHEET 11 OF 14
DESIGNED BY: T. LACKEY	
78193/str/sf193pe.dgn	

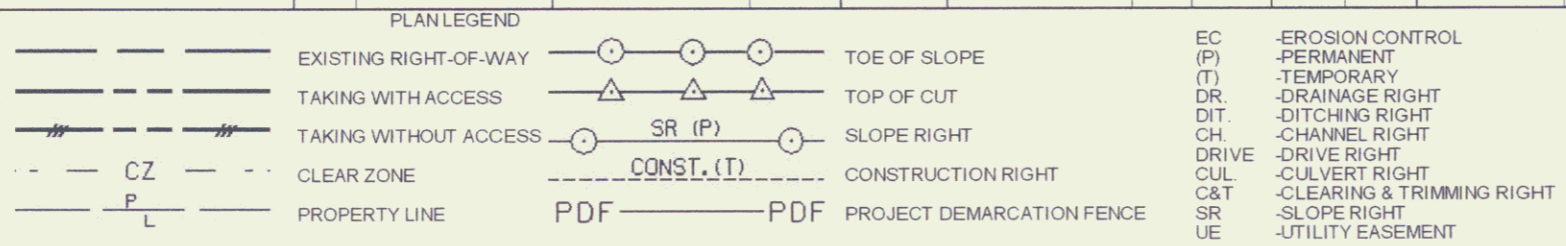
RIGHT - OF - WAY DETAIL SHEET

TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE AREA±	REMAINDER AREA±	RIGHT			RECORDING DATA				REMARKS	
							TYPE	(T)/(P)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK		PAGE
1A	BAILEY, CLAYTON A. JR.	14	398+96.8 LT.	400+08.0 LT.			INSTALL	(T)	920 SF	WD	02/22/07	CASTLETON	137	616-617	PDP
			399+37.5 LT. TH 8 501+90 LT.	399+79.7 LT.			SLOPE	(T)	30 SF						
1B		14	398+97.24 LT.	400+11.16 LT.	2,800 SF		ALL RT. & L								VT. RTE. 4A & TH 8 HWY. EASE.
2	TOWN OF CASTLETON	14	399+79.06 LT.	400+42.13 LT.	1,571 SF		ALL RT. & L								VT. RTE. 4A
			TH 8 550+26.39 CL 400+08.0 LT.	TH 8 501+03 LT. TH 8 501+07 LT.			APPROACH	(T)							
3A	DUMAS, ARLYN	14	400+42.13 LT.	400+47.8 LT.			SLOPE	(T)	12 SF	WD	06/27/07	CASTLETON	139	51	
			400+53.8 LT.	401+21.4 LT.			INSTALL	(T)	780 SF						PDP & EROSION CONTROL
			400+78.9 LT.	401+15.8 LT.			CHANNEL	(P)	120 SF						
			401+38.2 LT.	402+75.8 LT.			UTILITY	(P)	0.10 A						4,300 SF±; (30' WIDE)
3B		14	400+11.05 LT.	401+23.97 LT.	2,620 SF		ALL RT. & L							VT. RTE. 4A & TH 8 HWY. EASE.	
4A	SATTON, THOMAS J. & CYNTHIA	14	401+33.5 LT.	404+25.00 LT.			CONST.	(T)	2,320 SF	WD	08/28/06	CASTLETON	136	170	INCLUDES PDP & EROSION CONTROL
			401+45.5 LT.	402+42.2 LT.			CHANNEL	(P)	940 SF						
4B		14	401+13.78 LT.	404+25.00 LT.	0.18 A		ALL RT. & L								VT. RTE. 4A HWY. EASE.; 7,770 SF±
5A	WELCH, SCOTT T.	14	400+85.58 RT.	404+25.00 RT.	0.21 A±		DETOUR	(T)	2,420 SF	WD	10/24/06	CASTLETON	136	601-602	9,200 SF±
			400+55.8 RT.	401+91.1 RT.			UTILITY	(P)	0.10 A						INCLUDES PDP & EROSION CONTROL
			400+62.6 RT.	402+21.2 RT.			INSTALL & MAINTAIN	(P)							4,570 SF±
			401+86.1 RT.	402+29.7 RT.			CONST.	(T)	350 SF						GUY ANCHOR & WIRE
			401+88.4 RT.	402+29.7 RT.			CONST.	(T)							INCLUDES PDP & EROSION CONTROL
			401+90 RT.	402+05.3 RT.			REMOVE & RESET	(T)							PAVED DRIVE, 18' WIDE, MM 0421
			402+10.6 RT.	403+52.0 RT.			CONST.	(T)	450 SF						COMMERCIAL SIGN
			402+68.1 RT.												INCLUDES PDP
5B		14	401+03.30 RT.	404+25.00 RT.	0.18 A		ALL RT. & L							VT. RTE. 4A HWY. EASE.; 7,710 SF±	
6A	MORTON BUILDINGS, INC.	14	398+99.4 RT.	399+63.2 RT.			CONST.	(T)	600 SF	WD	10/24/06	CASTLETON	136	600-	INCLUDES PDP
			399+02.7 RT.	399+50.0 RT.			SLOPE	(T)	400 SF					601	INCLUDES EROSION CONTROL
			399+37.7 RT.	400+84.4 RT.			UTILITY	(P)	3,450 SF						
			399+50.0 RT.	401+03.30 RT.			DETOUR	(T)	0.12 A						INCLUDES PDP & EROSION CONTROL;
			400+37.0 RT.	400+61.8 RT.			SLOPE	(P)	100 SF						5,270 SF±
			399+61 RT.	399+67.0 RT.			INSTALL & MAINTAIN	(P)							INCLUDES TEMPORARY EROSION CONTROL
400+61.8 RT.	400+89.2 RT.	CHANNEL	(P)	200 SF						GUY WIRE & ANCHOR					
6B		14	398+98.32 RT.	401+13.78 RT.	0.12 A±		ALL RT. & L							VT. RTE. 4A HWY. EASE.; 5,120 SF±	

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	12	PARCEL NO. 6, MORTON BUILDINGS INC. CHANGE TAKE AREA ON 6B FROM 0.18A TO 0.12A±. STA. CHANGE FOR GUY WIRE & ANCHOR-CHANGED ENDING STATION TO 399+67.0 RT. PER C.O. 9449 MADE BY JB APPROVED BY RD	03/06/06
2	12	PARCEL NO. 5, WELCH, SCOTT. ADD 450 SF TO CONST. (T) STA. 402+68.1 RT. PER C.O. 9450 MADE BY JB APPROVED BY RD	03/06/06
		ELECTRONIC IPARMS TO STRUCTURES 1/4/07	



SEP 16 2008

APPROVED: ROGER P. DUMAS DATE: 09-27-05
CHIEF, PLANS & TITLES

PROJECT NAME: **CASTLETON**
 PROJECT NUMBER: **RS 0142(10)**
 FILE NAME: **RF193DET.XLS** PLOT DATE: **Date**
 PROJECT LEADER: **R.WHITCOMB** DRAWN BY: **M.R.**
 DESIGNED BY: **T. LACKEY** CHECKED BY: **E.P.**
 R.O.W. SHEET **12** OF 14 SHEET **9** OF 69

PLOT DATE 09/05/07

BRIDGE RAILING, GALVANIZED NETC 2 RAIL
 ML 400+87 TO 401+63 LT
 ML 400+76 TO 401+52 RT

GUARDRAIL APPROACH SECTIONS: NETC 2 RAIL
 ML 400+62 TO 400+87 LT
 ML 401+63 TO 401+88 LT
 ML 400+51 TO 400+76 RT
 ML 401+52 TO 401+73 RT

HD STEEL BEAM GUARDRAIL, GALVANIZED
 ML 400+39 TO 400+62 LT
 ML 401+88 TO 403+59 LT
 ML 399+63 TO 400+51 RT

MANUFACTURED TERMINAL SECTION, FLEMING
 ML 399+26 TO 399+63 RT

ANCHOR FOR HD STEEL BEAM GUARDRAIL
 ML 400+39 LT
 ML 401+73 RT

BAILEY, CLAYTON A. JR.

END MAINT. AGREE. ZONE
 THRU STA. 500+26.39 CL

BEGIN MAINT. AGREE. ZONE
 THRU STA. 500+11.00 CL
 LENGTH: 16.39'

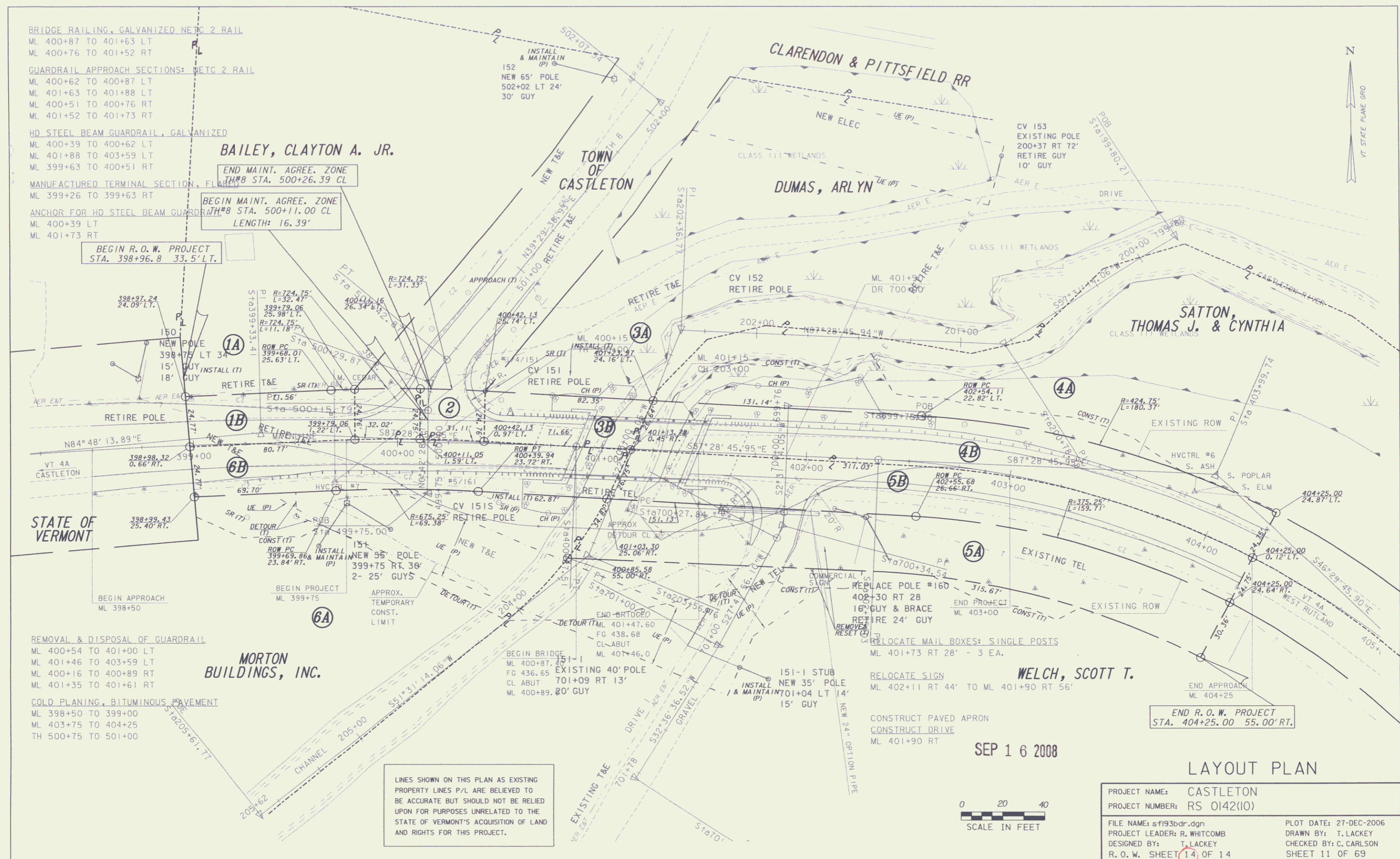
BEGIN R.O.W. PROJECT
 STA. 398+96.8 33.5' LT.

REMOVAL & DISPOSAL OF GUARDRAIL
 ML 400+54 TO 401+00 LT
 ML 401+46 TO 403+59 LT
 ML 400+16 TO 400+89 RT
 ML 401+35 TO 401+61 RT

COLD PLANING, BITUMINOUS PAVEMENT
 ML 398+50 TO 399+00
 ML 403+75 TO 404+25
 TH 500+75 TO 501+00

MORTON BUILDINGS, INC.

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.



SEP 16 2008

LAYOUT PLAN

PROJECT NAME: CASTLETON	PLOT DATE: 27-DEC-2006
PROJECT NUMBER: RS 0142(10)	DRAWN BY: T. LACKEY
FILE NAME: sf193bdr.dgn	CHECKED BY: C. CARLSON
PROJECT LEADER: R. WHITCOMB	SHEET 11 OF 69
DESIGNED BY: T. LACKEY	
R. O. W. SHEET 14 OF 14	

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