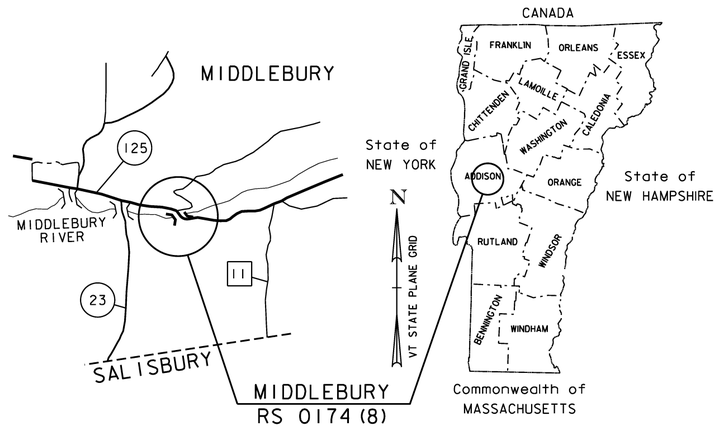
R.O.W. PLANS

INDEX OF SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF MIDDLEBURY

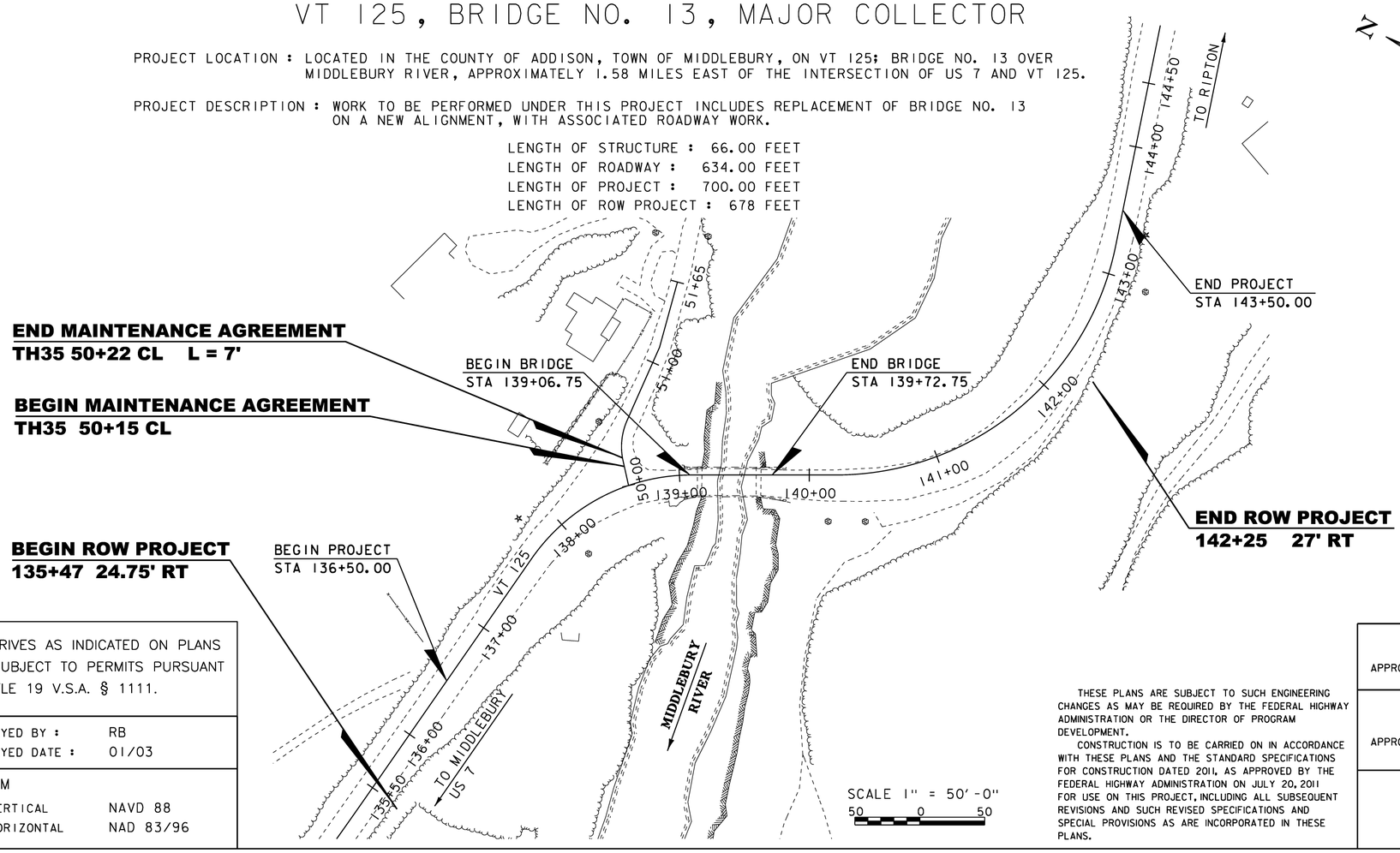
COUNTY OF ADDISON

VT 125, BRIDGE NO. 13, MAJOR COLLECTOR

PROJECT LOCATION : LOCATED IN THE COUNTY OF ADDISON, TOWN OF MIDDLEBURY, ON VT 125; BRIDGE NO. 13 OVER MIDDLEBURY RIVER, APPROXIMATELY 1.58 MILES EAST OF THE INTERSECTION OF US 7 AND VT 125.

PROJECT DESCRIPTION : WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REPLACEMENT OF BRIDGE NO. 13 ON A NEW ALIGNMENT, WITH ASSOCIATED ROADWAY WORK.

LENGTH OF STRUCTURE : 66.00 FEET
LENGTH OF ROADWAY : 634.00 FEET
LENGTH OF PROJECT : 700.00 FEET
LENGTH OF ROW PROJECT : 678 FEET



CONVENTIONAL SYMBOLS

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

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 V.S.A. § 1111.

SURVEYED BY : RB
SURVEYED DATE : 01/03

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83/96

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 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED KEVIN MARSHIA DATE 11-01-2012
Acting Director of Program Development

APPROVED ROBERT M. WHITE DATE 11-01-2012
Chief of Right of Way

MIDDLEBURY
RS 0174(8)

ROW SHEET 1 OF 21 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

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	(T)/(P)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK	PAGE	
1	VESTRICH, ROY M. & SAUNDERS, DAWN M.	4	137+20 LT	138+20 LT			UTILITY	(P)	830 SF	WDOE	03/11/13	MIDDLEBURY	263	922-923	
2A	EAST MIDDLEBURY FIRE DISTRICT #1	3, 4	135+47 RT	135+49 RT			INSTALL & MAINT	(P)		WDIF	03/11/13	MIDDLEBURY	263	919-921	GUY WIRE & ANCHOR
			135+98 RT	137+34 RT			CONST	(T)	113 SF						INCL. PDF & EC
			136+50 RT	137+10 RT			SLOPE	(T)	30 SF						
			137+55 RT	139+12 RT			CONST	(T)	340 SF						INCL. PDF & EC
			137+63 RT	139+06 RT			SLOPE	(P)	1,400 SF						INCL. STONE FILL
			138+45 RT				CUL., DR.	(P)							
2B		4	138+79.03 LT	139+50.45 LT	1,980 SF										
			138+95.82 LT	139+51 LT			UTILITY	(P)	590 SF						
3	TOWN OF MIDDLEBURY	4	TH35 50+22 CL	TH35 51+00 CL			APPROACH	(T)		QCD	03/20/13	MIDDLEBURY	264	49-50	NORTH BRANCH ROAD, TH35
			TH35 50+26 RT	TH35 50+70 RT			INSTALL & MAINT	(P)							GUIDE RAIL
			TH35 50+43 RT	TH35 50+51 RT			SLOPE	(P)	5 SF						INCL. STONE FILL
4	ROCHFORT, BURKE E. & BURFOOT, JEAN	4, 5	139+77 RT	142+25 RT			CONST	(T)	1,003 SF	WDOE	02/19/13	MIDDLEBURY	263	684-686	INCL. PDF & EC
			139+91 RT	140+50 RT			SLOPE	(P)	600 SF						INCL. STONE FILL
			139+97 RT	142+10 RT			DITCH, DRAINAGE	(P)	3,000 SF						INCL. STONE FILL
			140+47 RT	141+65 RT			INSTALL & MAINT	(P)	515 SF						GRAVEL PARKING AREA
			140+80 RT				INSTALL & MAINT	(P)							SIGN
			141+46 RT				INSTALL & MAINT	(P)							SIGN
5	GREEN MOUNTAIN POWER CORP.	3-5	135+47 RT	142+25 RT			ALL R. T. & I.								UTILITY EASEMENTS
6	TELEPHONE OPERATING COMPANY OF VERMONT LLC	3-5	135+47 RT	142+25 RT			ALL R. T. & I.								UTILITY EASEMENTS
7	COMCAST OF CONNECTICUT, GEORGIA, MASSACHUSETTS, NEW HAMPSHIRE, NEW YORK, NORTH CAROLINA, VERMONT LLC	3-5	135+47 RT	142+25 RT			ALL R. T. & I.								UTILITY EASEMENTS
8	EAST MIDDLEBURY FIRE DISTRICT #1	3-5	135+47 RT	142+25 RT			ALL R. T. & I.								UTILITY EASEMENTS
	MAINTENANCE AGREEMENT ZONE	4	TH35 50+15 CL	TH35 50+22 CL											NORTH BRANCH ROAD, L = 7'

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	2, 4	PARCEL 1 VESTRICH & SAUNDERS - CHANGED UTILITY	12/05/12
		DESIGN. DELETE EASEMENT FOR GUY WIRE, MOVE	
		UTILITY EASEMENT.	
		COMPLETED BY: MT C.O. 9785 APPROVED BY: HP	

PLAN LEGEND

- EXISTING RIGHT-OF-WAY
- TAKING WITH ACCESS
- TAKING WITHOUT ACCESS
- CLEAR ZONE (CZ)
- PROPERTY LINE (P/L)
- TOE OF SLOPE
- TOP OF CUT
- SLOPE RIGHT (SR (P))
- CONSTRUCTION RIGHT (CONST.(T))
- PROJECT DEMARCATION FENCE (PDF)

EC	-EROSION CONTROL
(P)	-PERMANENT
(T)	-TEMPORARY
DR.	-DRAINAGE RIGHT
DIT.	-DITCHING RIGHT
CH.	-CHANNEL RIGHT
DRIVE	-DRIVE RIGHT
CUL.	-CULVERT RIGHT
BND	-BOUND (PROPERTY MARKER)
SR	-SLOPE RIGHT
UE	-UTILITY EASEMENT

APPROVED: HARRY PETROVS DATE: 11-01-2012
CHIEF, PLANS & TITLES

PROJECT NAME: **MIDDLEBURY**
PROJECT NUMBER: **RS 0174(8)**

FILE NAME: **r78f217detail.xls** PLOT DATE: 15-APR-2013
PROJECT LEADER: **J. FITCH** DRAWN BY: **M. TROTTIER**
DESIGNED BY: **D.M. PECK** CHECKED BY: **E. PIERCE**
R.O.W. DETAIL SHEET #1 SHEET 2 OF 21

COLD PLANING, BITUMINOUS PAVEMENT
STA. 135+50 - STA. 135+90, LT & RT

N/F
J.P. CARRERA
& SONS, INC.

N

VT STATE PLANE GRID

MATCHLINE 135+90.00

PT STA 135+50.00

ROW PT
135+50.00
24.75'LT

BEGIN APPROACH
STA. 135+50.00

214.85'
S83°01'00"E

214.85'
S83°01'00"E

ROW PT
135+50.00
24.75'RT

INSTALL & MAINT(P)

IP

P L

BEGIN ROW PROJECT
135+47 24.75'RT

L=108.50'

2.74'

R=4,475.25'

VT 125 (CURVE #1)

Δ = 0°42'25" R
D = 0°24'49"
R = 13850.00'
T = 85.45'
L = 177.90'
E = 0.26'

ROW PRC
134+40.90
24.75'LT

VT ROUTE 125

135+00

L=109.70'

R=4,524.75'

5.54'

PRC STA 134+90.45 (CURVE #2)

ACKERMAN EASEMENT AREA
164/775

VT 125 (CURVE #2)

Δ = 1°23'21" L
D = 1°16'24"
R = 4500.00'
T = 54.56'
L = 109.10'
E = 0.33'

ROW PRC
134+40.90
24.75'RT

IP

4.98'

PRC STA 134+40.90

2A
EAST MIDDLEBURY FIRE DISTRICT #1

LAT TEXT ROT = ROT = -54.8495

N/F ACKERMAN

N/F WELCH

PI STA 133+55.45 (CURVE #1)

R=13,874.75'
L=171.20'

APPROX. EXISTING R.O.W.

APPROX. EXISTING R.O.W.

R=13,825.25'

STATE OF VT
HWY EASE
49.50'
TO
US 7

MIDDLEBURY

134+00

133+00

132+70

P O B / P C
STA 132+70.00

ROW PC
132+70.00
24.75'LT
N 536604.06
E 1485599.11

3.96'

ROW PC
132+70.00
24.75'RT
N 536555.00
E 1485592.51

N/F FRANCIS & LIZOTTE

MIDDLEBURY RIVER

⊠ CALCULATED R.O.W. POINT

PLAN
SCALE 1" = 20'-0
20 0 20

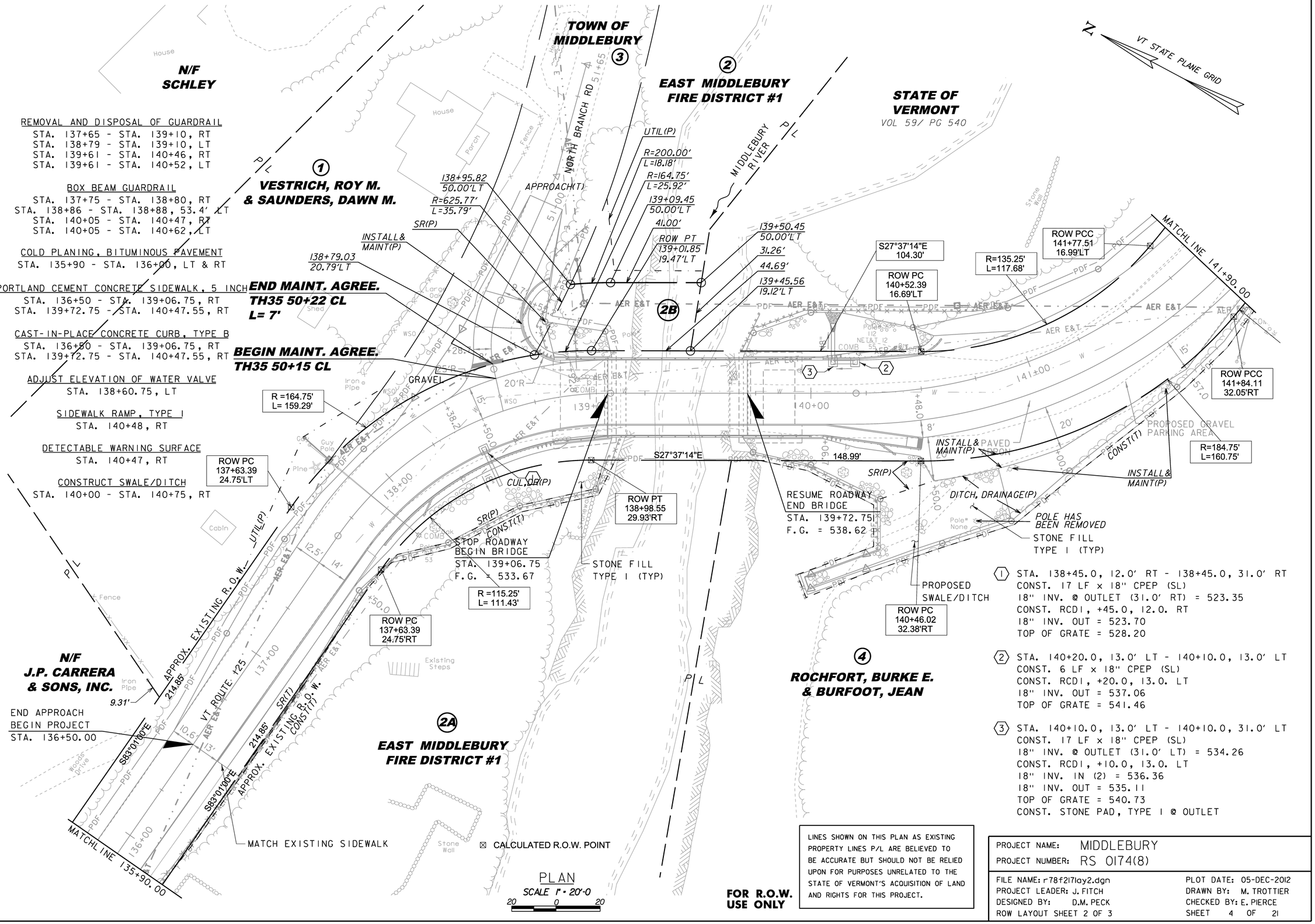
LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

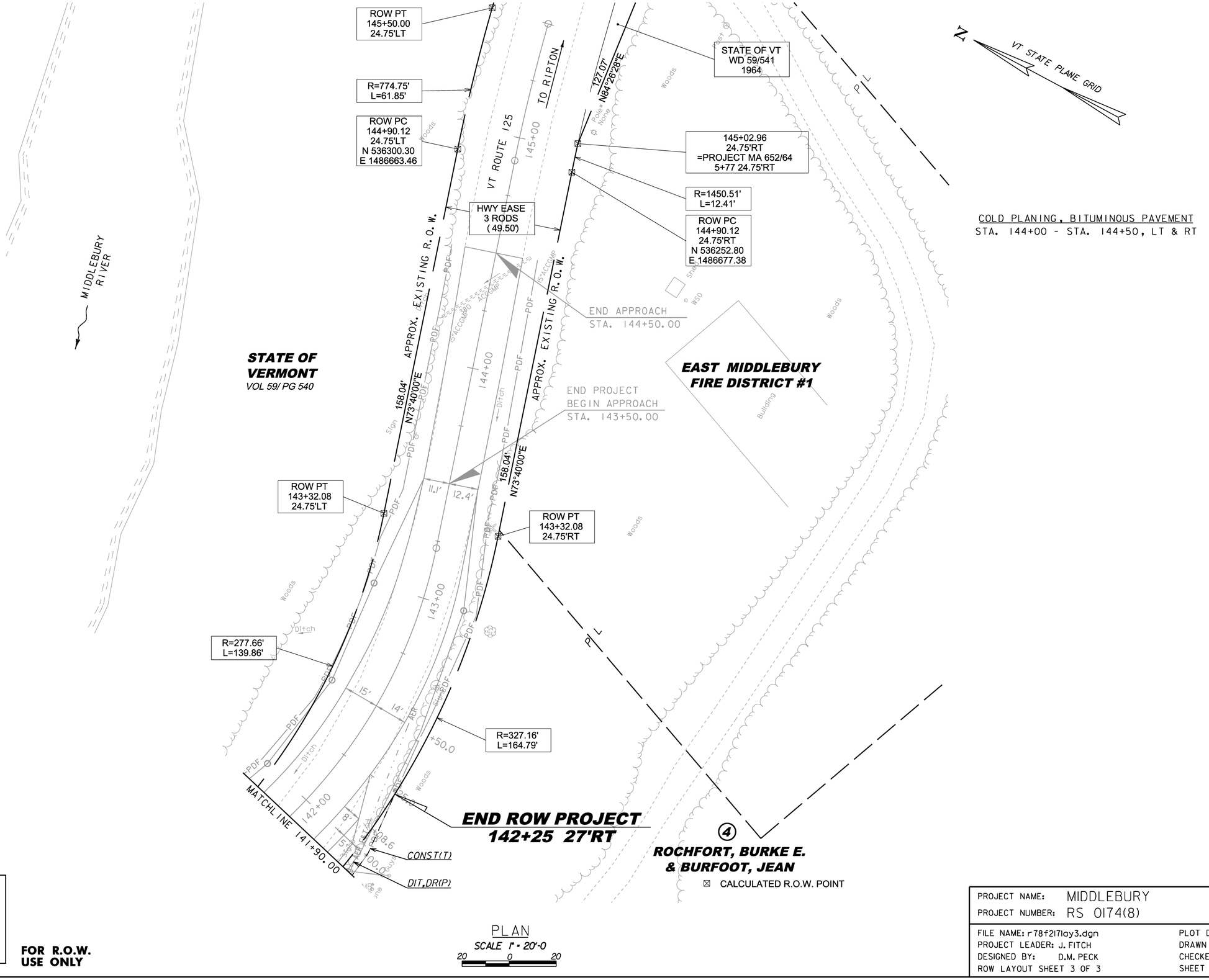
FOR R.O.W. USE ONLY

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217layl.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: D.M. PECK
ROW LAYOUT SHEET 1 OF 3

PLOT DATE: 05-DEC-2012
DRAWN BY: M. TROTTIER
CHECKED BY: E. PIERCE
SHEET 3 OF 21


N/F SCHLEY
TOWN OF MIDDLEBURY
3
2
EAST MIDDLEBURY FIRE DISTRICT #1
STATE OF VERMONT
VOL 59/ PG 540
VT STATE PLANE GRID
1
VESTRICH, ROY M. & SAUNDERS, DAWN M.
NORTH BRANCH RD
MIDDLEBURY RIVER
P/L
UTIL(P)
APPROACH(T)
SR(P)
INSTALL& MAINT(P)
138+95.82
50.00'LT
R=625.77'
L=35.79'
138+79.03
20.79'LT
R=200.00'
L=18.18'
R=164.75'
L=25.92'
139+09.45
50.00'LT
41.00'
ROW PT
139+01.85
19.47'LT
139+50.45
50.00'LT
31.26'
44.69'
139+45.56
19.12'LT
END MAINT. AGREE.
TH35 50+22 CL
L= 7'
BEGIN MAINT. AGREE.
TH35 50+15 CL
R =164.75'
L= 159.29'
S27°37'14"E
104.30'
ROW PC
140+52.39
16.69'LT
R=135.25'
L=117.68'
ROW PCC
141+77.51
16.99'LT
MATCHLINE 141+90.00
ROW PCC
141+84.11
32.05'RT
R=184.75'
L=160.75'
2B
GRAVEL
20'R
PROPOSED GRAVEL PARKING AREA
INSTALL& PAVED MAINT(P) APRON
CONST(T)
INSTALL& MAINT(P)
148.99'
S27°37'14"E
SR(P)
DITCH, DRAINAGE(P)
POLE HAS BEEN REMOVED
STONE FILL TYPE I (TYP)
RESUME ROADWAY END BRIDGE
STA. 139+72.75
F.G. = 538.62
PROPOSED SWALE/DITCH
ROW PC
140+46.02
32.38'RT
ROCHFORT, BURKE E. & BURFOOT, JEAN
4
CUL.DR(P)
ROW PT
138+98.55
29.93'RT
STOP ROADWAY BEGIN BRIDGE
STA. 139+06.75
F.G. = 533.67
R =115.25'
L= 111.43'
STONE FILL TYPE I (TYP)
ROW PC
137+63.39
24.75'RT
ROW PC
137+63.39
24.75'LT
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 137+65 - STA. 139+10, RT
STA. 138+79 - STA. 139+10, LT
STA. 139+61 - STA. 140+46, RT
STA. 139+61 - STA. 140+52, LT
BOX BEAM GUARDRAIL
STA. 137+75 - STA. 138+80, RT
STA. 138+86 - STA. 138+88, 53.4' LT
STA. 140+05 - STA. 140+47, RT
STA. 140+05 - STA. 140+62, LT
COLD PLANING, BITUMINOUS PAVEMENT
STA. 135+90 - STA. 136+00, LT & RT
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 136+50 - STA. 139+06.75, RT
STA. 139+72.75 - STA. 140+47.55, RT
CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 136+50 - STA. 139+06.75, RT
STA. 139+72.75 - STA. 140+47.55, RT
ADJUST ELEVATION OF WATER VALVE
STA. 138+60.75, LT
SIDEWALK RAMP, TYPE I
STA. 140+48, RT
DETECTABLE WARNING SURFACE
STA. 140+47, RT
CONSTRUCT SWALE/DITCH
STA. 140+00 - STA. 140+75, RT
N/F J.P. CARRERA & SONS, INC.
APPROX. EXISTING R.O.W.
214.85'
9.31'
Iron Pipe
END APPROACH
BEGIN PROJECT
STA. 136+50.00
S83°01'00"E
VT ROUTE 125
APPROX. EXISTING R.O.W.
CONST(T)
SR(T)
MATCHLINE 135+90.00
MATCH EXISTING SIDEWALK
Existing Steps
Stone Wall
Woods Drive
2A
EAST MIDDLEBURY FIRE DISTRICT #1
CALCULATED R.O.W. POINT
PLAN
SCALE 1" = 20'-0
20 0 20
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 UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.
1 STA. 138+45.0, 12.0' RT - 138+45.0, 31.0' RT
CONST. 17 LF x 18" CPEP (SL)
18" INV. @ OUTLET (31.0' RT) = 523.35
CONST. RCD1, +45.0, 12.0. RT
18" INV. OUT = 523.70
TOP OF GRATE = 528.20
2 STA. 140+20.0, 13.0' LT - 140+10.0, 13.0' LT
CONST. 6 LF x 18" CPEP (SL)
CONST. RCD1, +20.0, 13.0. LT
18" INV. OUT = 537.06
TOP OF GRATE = 541.46
3 STA. 140+10.0, 13.0' LT - 140+10.0, 31.0' LT
CONST. 17 LF x 18" CPEP (SL)
18" INV. @ OUTLET (31.0' LT) = 534.26
CONST. RCD1, +10.0, 13.0. LT
18" INV. IN (2) = 536.36
18" INV. OUT = 535.11
TOP OF GRATE = 540.73
CONST. STONE PAD, TYPE I @ OUTLET
PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)
FILE NAME: r78f217lay2.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: D.M. PECK
ROW LAYOUT SHEET 2 OF 3
PLOT DATE: 05-DEC-2012
DRAWN BY: M. TROTTIER
CHECKED BY: E. PIERCE
SHEET 4 OF 21



PLAN

SCALE 1" = 20'-0

20 0 20

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

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217lay3.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: D.M. PECK
ROW LAYOUT SHEET 3 OF 3

PLOT DATE: 05-DEC-2012
DRAWN BY: M. TROTTIER
CHECKED BY: E. PIERCE
SHEET 5 OF 21

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

Version 12.01.01c

LRFD

FINAL HYDRAULIC REPORT

HYDROLOGIC DATA

Date: Feb. 2003

DRAINAGE AREA : 44.4 sq. mi.
CHARACTER OF TERRAIN : Hilly to mountainous
STREAM CHARACTERISTICS : Ledge gorge through the bridge
NATURE OF STREAMBED : Ledge, some boulders

PEAK FLOW DATA

Q 2.33 =	1900 cfs	Q 50 =	4720 cfs
Q 10 =	3250 cfs	Q 100 =	5500 cfs
Q 25 =	4100 cfs	Q 500 =	7000 cfs

DATE OF FLOOD OF RECORD : November 1927
ESTIMATED DISCHARGE: Unknown
WATER SURFACE ELEV.: Unknown
NATURAL STREAM VELOCITY : @ Q50 = 15.4 fps
ICE CONDITIONS : Moderate
DEBRIS: Moderate
DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? Yes
IS ORDINARY RISE RAPID? Yes
IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? No
IF YES, DESCRIBE:

WATERSHED STORAGE: <1%
HEADWATERS:
UNIFORM: X
IMMEDIATELY ABOVE SITE:

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: Concrete arch
YEAR BUILT: 1924
CLEAR SPAN(NORMAL TO STREAM): 42'
VERTICAL CLEARANCE ABOVE STREAMBED: 36'
WATERWAY OF FULL OPENING: approximately 980 sq.ft.
DISPOSITION OF STRUCTURE: Remove and replace
TYPE OF MATERIAL UNDER SUBSTRUCTURE: Ledge

WATER SURFACE ELEVATIONS AT:

Q2.33 =	502.6	VELOCITY =	9.5 fps
Q10 =	505.6	"	11.8 fps
Q25 =	507.2	"	14.4 fps
Q50 =	508.5	"	15.4 fps
Q100 =	509.8	"	16.1 fps

LONG TERM STREAMBED CHANGES: There is an 8 ft deep scour hole through the bridge area. No significant changes are anticipated in the future, due to ledge.

IS THE ROADWAY OVERTOPPED BELOW Q100: No
FREQUENCY: Above Q100
RELIEF ELEVATION: 530.2
DISCHARGE OVER ROAD @Q100: None

UPSTREAM STRUCTURE

TOWN: Ripton — DISTANCE: 2.5 miles
HIGHWAY # : VT 152 — STRUCTURE #: 14
CLEAR SPAN: 40' — CLEAR HEIGHT: 12'
YEAR BUILT: 1978 — FULL WATERWAY: 480 sq. ft.
STRUCTURE TYPE: Twin cell reinforced concrete box

DOWNSTREAM STRUCTURE

TOWN: Middlebury — DISTANCE: 0.3 miles
HIGHWAY # : T.H. 23 — STRUCTURE #: 21
CLEAR SPAN: 43' — CLEAR HEIGHT: 12'
YEAR BUILT: 1927 — FULL WATERWAY: 550 sq. ft.
STRUCTURE TYPE: Single span steel pony truss bridge

PROPOSED STRUCTURE

STRUCTURE TYPE: New concrete bridge/arch

CLEAR SPAN(NORMAL TO STREAM): 46'
VERTICAL CLEARANCE ABOVE STREAMBED: 40'
WATERWAY OF FULL OPENING: approximately 1125 sq ft

WATER SURFACE ELEVATIONS AT:

Q2.33 =	502.6	VELOCITY=	9.5 fps
Q10 =	505.6	"	11.8 fps
Q25 =	507.2	"	14.4 fps
Q50 =	508.5	"	15.4 fps
Q100 =	509.8	"	16.1 fps

IS THE ROADWAY OVERTOPPED BELOW Q100: No
FREQUENCY: Above Q100
RELIEF ELEVATION: 531.0
DISCHARGE OVER ROAD @Q100: None

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 530.5
VERTICAL CLEARANCE: @ Q50 = 22'

SCOUR: The bridge completely spans a natural ledge gorge.
No significant scour is anticipated.
REQUIRED CHANNEL PROTECTION: Type II Stone Fill above Q100, Type IV below Q10

PERMIT INFORMATION

AVERAGE DAILY FLOW:	92 cfs	
ORDINARY LOW WATER:	42 cfs	DEPTH OR ELEVATION: Elev. 497'
ORDINARY HIGH WATER:	816 cfs	Elev. 500'

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: No temporary bridge required
CLEAR SPAN (NORMAL TO STREAM): N/A
VERTICAL CLEARANCE ABOVE STREAMBED: N/A
WATERWAY AREA OF FULL OPENING: N/A

ADDITIONAL INFORMATION

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. SIDEWALKS ARE NOT NECESSARY
4. ACCESS TO NORTH BRANCH RD SHALL BE MAINTAINED

DESIGN VALUES

1. DESIGN LIVE LOAD		HL-93
2. FUTURE PAVEMENT	d_p:	3.0 INCH
3. DESIGN SPAN	L:	0.00 FT
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)	Δ:	---
5. PRESTRESSING STRAND (0.60 INCH DIAMETER - LOW RELAX)	f_y:	270 KSI
6. PRESTRESSED CONCRETE STRENGTH	f'_c:	6.0 KSI
7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'_{ci}:	5.0 KSI
8. CONCRETE, HIGH PERFORMANCE CLASS AA	f'_c:	4.0 KSI
9. CONCRETE, HIGH PERFORMANCE CLASS A	f'_c:	4.0 KSI
10. CONCRETE, HIGH PERFORMANCE CLASS B	f'_c:	3.5 KSI
11. CONCRETE, CLASS C	f'_c:	3.0 KSI
12. REINFORCING STEEL	f_y:	60 KSI
13. STRUCTURAL STEEL AASHTO M270	f_y:	---
14. SOIL UNIT WEIGHT	γ:	0.140 KCF
15. NOMINAL BEARING RESISTANCE OF SOIL	q_n:	4.0 KSF
16. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
17. NOMINAL BEARING RESISTANCE OF ROCK	q_n:	10.0 KSF
18. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
19. NOMINAL AXIAL PILE RESISTANCE	q_p:	---
20. PILE YIELD STRENGTH ASTM A572	f_y:	---
21. PILE SIZE		---
22. EST. PILE LENGTH	L_p:	
23. PILE RESISTANCE FACTOR	ϕ:	---
24. LATERAL PILE DEFLECTION	Δ:	---
25. BASIC WIND SPEED	V_{3s}:	---
26. MINIMUM GROUND SNOW LOAD	p_g:	---
27. SEISMIC DATA PGA: ---	S_s:	---
	S_1:	---

LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK H-20	HL-93	3S2	6 AXLE	3A. STR.	4A. STR.	5A. SEMI
TONNAGE	20	36	36	66	30	34.5	38
INVENTORY							
POSTING							
OPERATING							
COMMENTS:							

AS BUILT "REBAR" DETAILS

LEVEL I	LEVEL II	LEVEL III
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2014	1900	250	55	6.6	95
2034	2000	260	55	10	150

20 year ESAL for flexible pavement from 2014 to 2034 : 417000
40 year ESAL for flexible pavement from 2014 to 2054 : 953000
Design Speed : 25 mph

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217pi.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: VHB
PRELIMINARY INFORMATION SHEET

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.S. GOODRICH
SHEET 6 OF 21

GENERAL NOTES

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.

MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B - 5.

PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D - 2.

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.015 GAL/SY BETWEEN SUCCESSIVE COURSES OF NEW PAVEMENT AND ON COLD PLANED SURFACES AS DIRECTED BY THE ENGINEER.

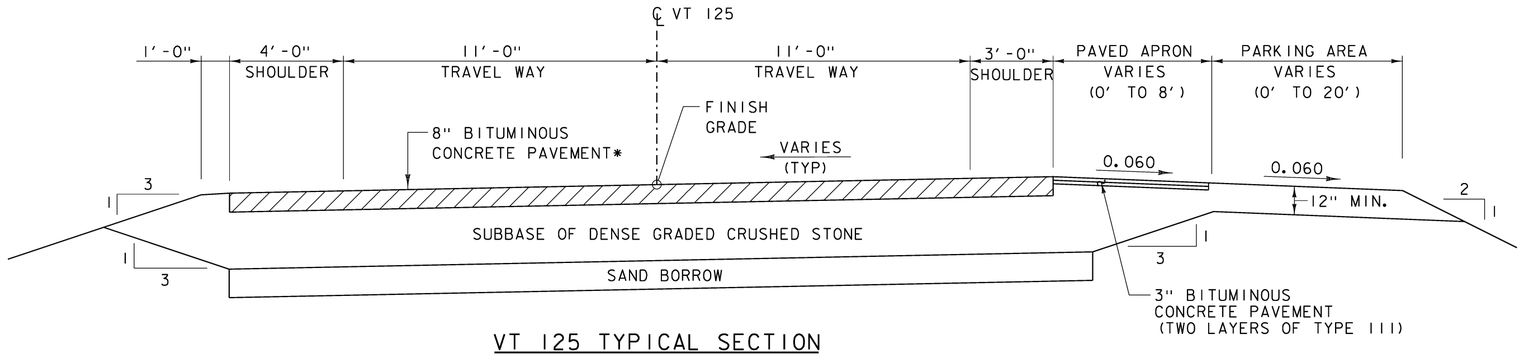
MATERIAL TOLERANCES

(IF USED ON PROJECT)

SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 3/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

*1 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE III)
1 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE III)
2 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE II)
2 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE II)
2'-0" SUBBASE OF DENSE GRADED CRUSHED STONE
1'-0" SAND BORROW

PG BINDER GRADE: SEE SECTION 406 OF THE GENERAL SPECIAL PROVISIONS

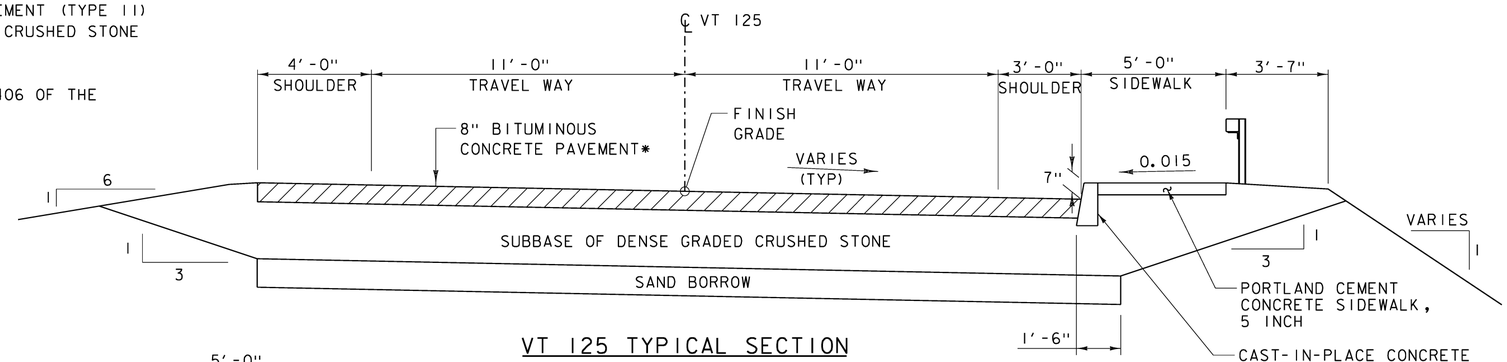


VT 125 TYPICAL SECTION

STA. 140+06 - STA 142+25

SCALE 3/8" = 1'-0"

0 1 2 3 4



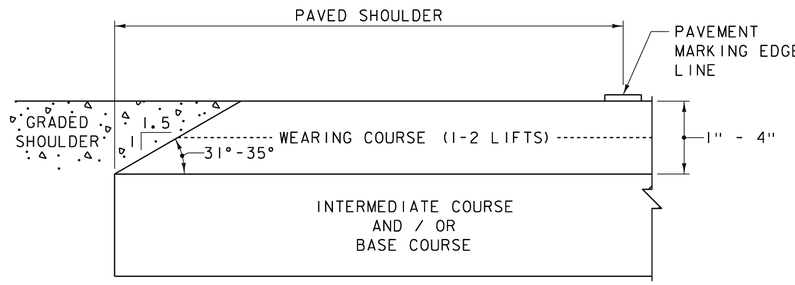
VT 125 TYPICAL SECTION

STA. 136+50 - STA 139+06+/-

STA. 142+25 - STA 143+50

SCALE 3/8" = 1'-0"

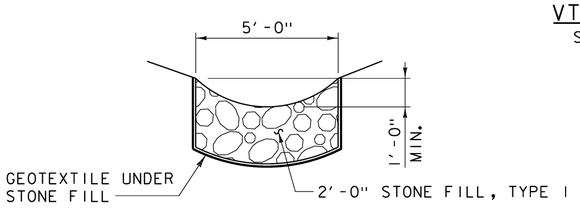
0 1 2 3 4



NOTE: COST FOR FORMING AND COMPACTING SAFETY EDGE SHALL BE INCIDENTAL TO ITEM 406.25, "BITUMINOUS CONCRETE PAVEMENT".

SAFETY EDGE DETAIL

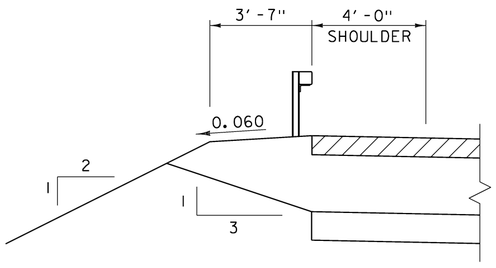
NOT TO SCALE



SWALE/DITCH DETAIL

STA. 140+00 - 140+75 RT.

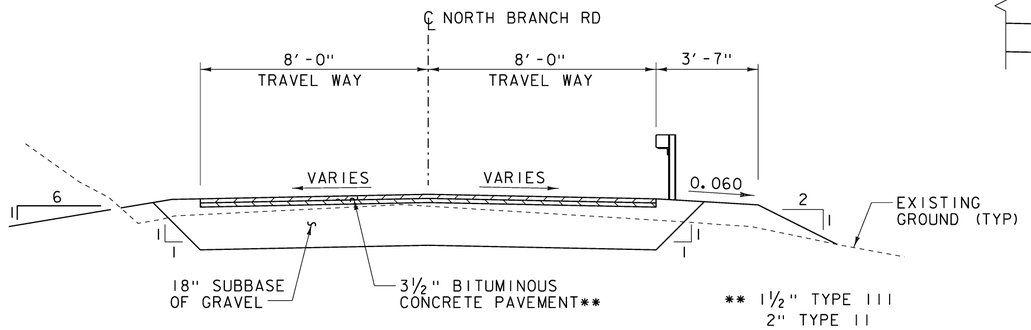
NOT TO SCALE



VT 125 TYPICAL GUARDRAIL SECTION

SCALE 3/8" = 1'-0"

0 1 2 3 4

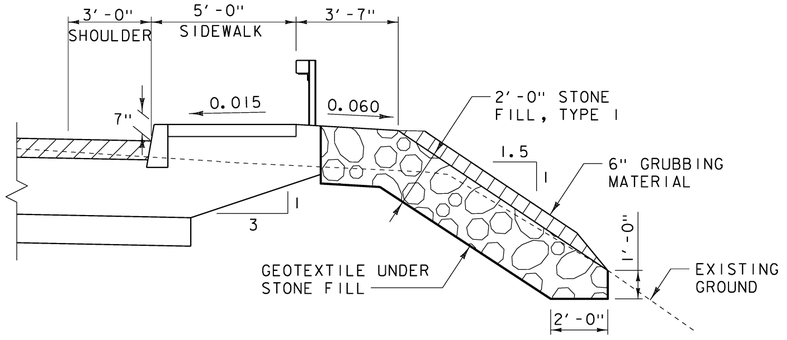


** 1 1/2" TYPE III
2" TYPE II

NORTH BRANCH ROAD TYPICAL SECTION

SCALE 3/8" = 1'-0"

0 1 2 3 4



VT 125 TYPICAL 1:1.5 SLOPE SECTION

STA. 138+00 - 139+00

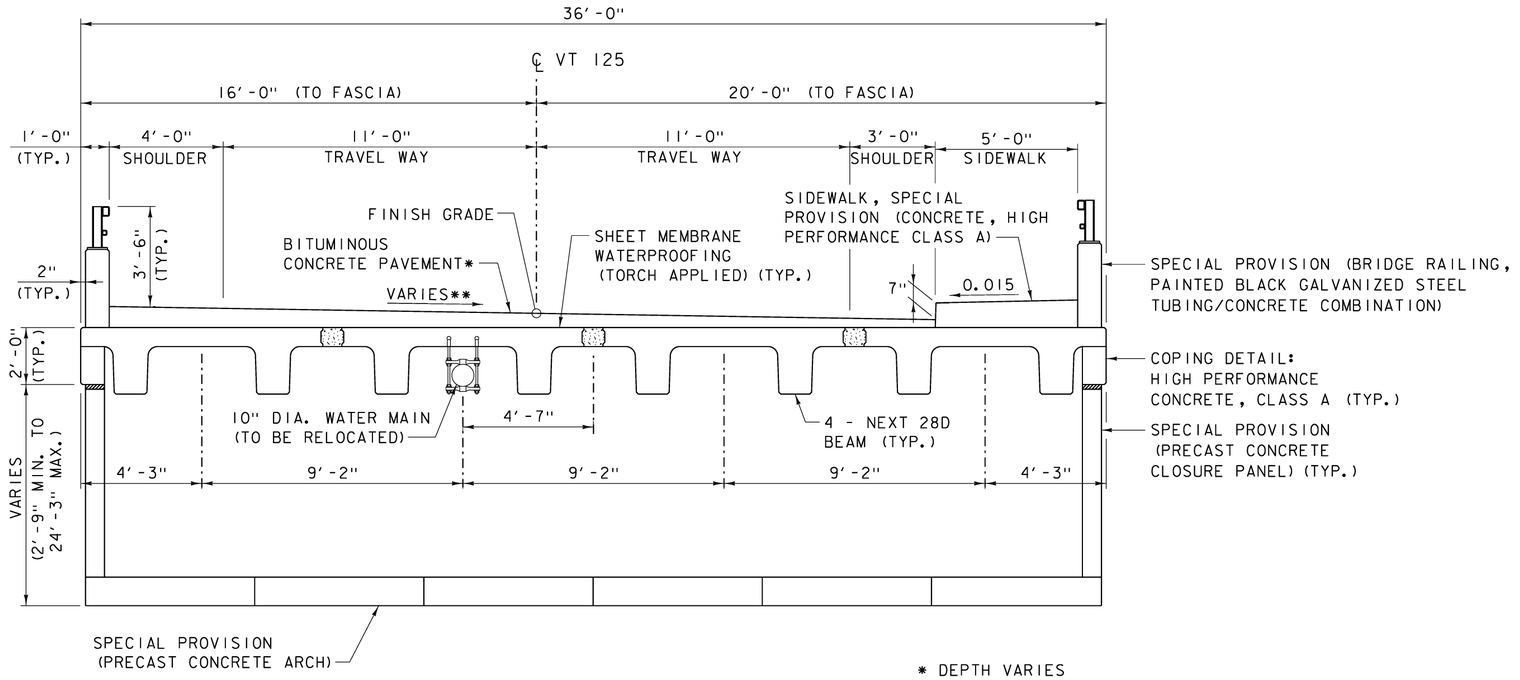
SCALE 3/8" = 1'-0"

0 1 2 3 4

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217typ.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: D.M. PECK
TYPICAL ROADWAY SECTIONS

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.L. BAKOS
SHEET 7 OF 21



TYPICAL BRIDGE SECTION

SCALE 3/8" = 1'-0"

1 0 1 2 3 4

* DEPTH VARIES
1½" TYPE IV WEARING COURSE OVER
VARIABLE DEPTH TYPE IV BINDER COURSE (1½" MIN.)

** CROSS SLOPE VARIES
SEE BANKING DIAGRAM ON SHEET 9

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217typ.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FITCH	DRAWN BY: B.J. MASSE
DESIGNED BY: G.S. GOODRICH	CHECKED BY: G.S. GOODRICH
TYPICAL BRIDGE SECTION	SHEET 8 OF 21

GPS CONTROL POINTS

NOT SHOWN
ON PLANS

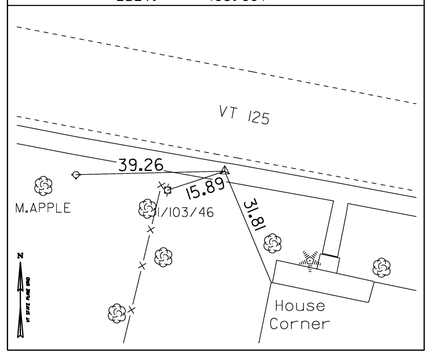
NOT SHOWN
ON PLANS

NOT SHOWN
ON PLANS

TRAVERSE TIES

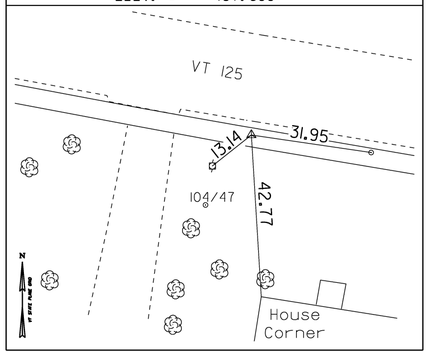
HVCTRL #201

NORTH = 536627.194
EAST = 1485194.664
ELEV. = 485.691



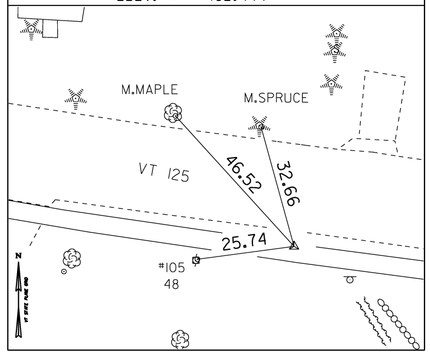
HVCTRL #202

NORTH = 536600.538
EAST = 1485341.550
ELEV. = 487.699



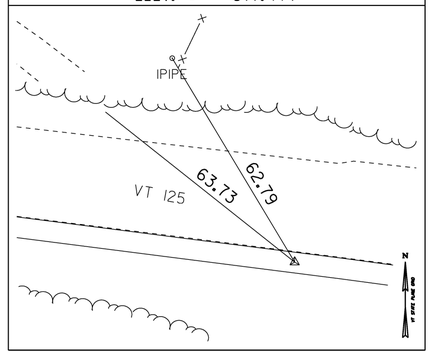
HVCTRL #203

NORTH = 536578.750
EAST = 1485483.801
ELEV. = 492.771



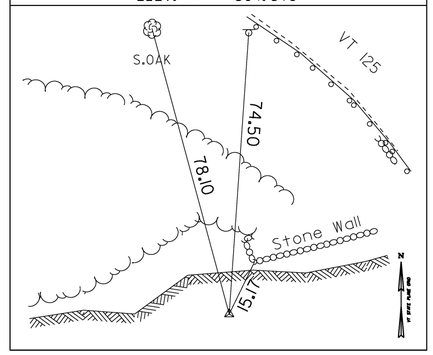
HVCTRL #1

NORTH = 536506.835
EAST = 1486020.930
ELEV. = 517.114



HVCTRL #2

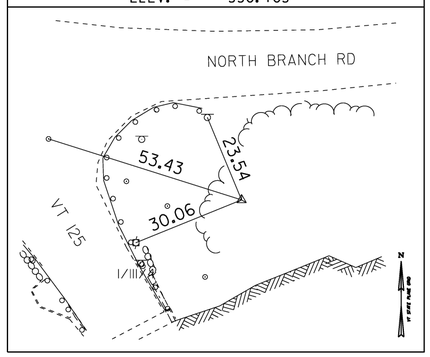
NORTH = 536402.668
EAST = 1486130.554
ELEV. = 504.516



TRAVERSE TIES

HVCTRL #3

NORTH = 536463.569
EAST = 1486227.319
ELEV. = 530.103



HVCTRL

NORTH =
EAST =
ELEV. =

HVCTRL

NORTH =
EAST =
ELEV. =

HVCTRL

NORTH =
EAST =
ELEV. =

HVCTRL

NORTH =
EAST =
ELEV. =

DATUM

VERTICAL NAVD 88

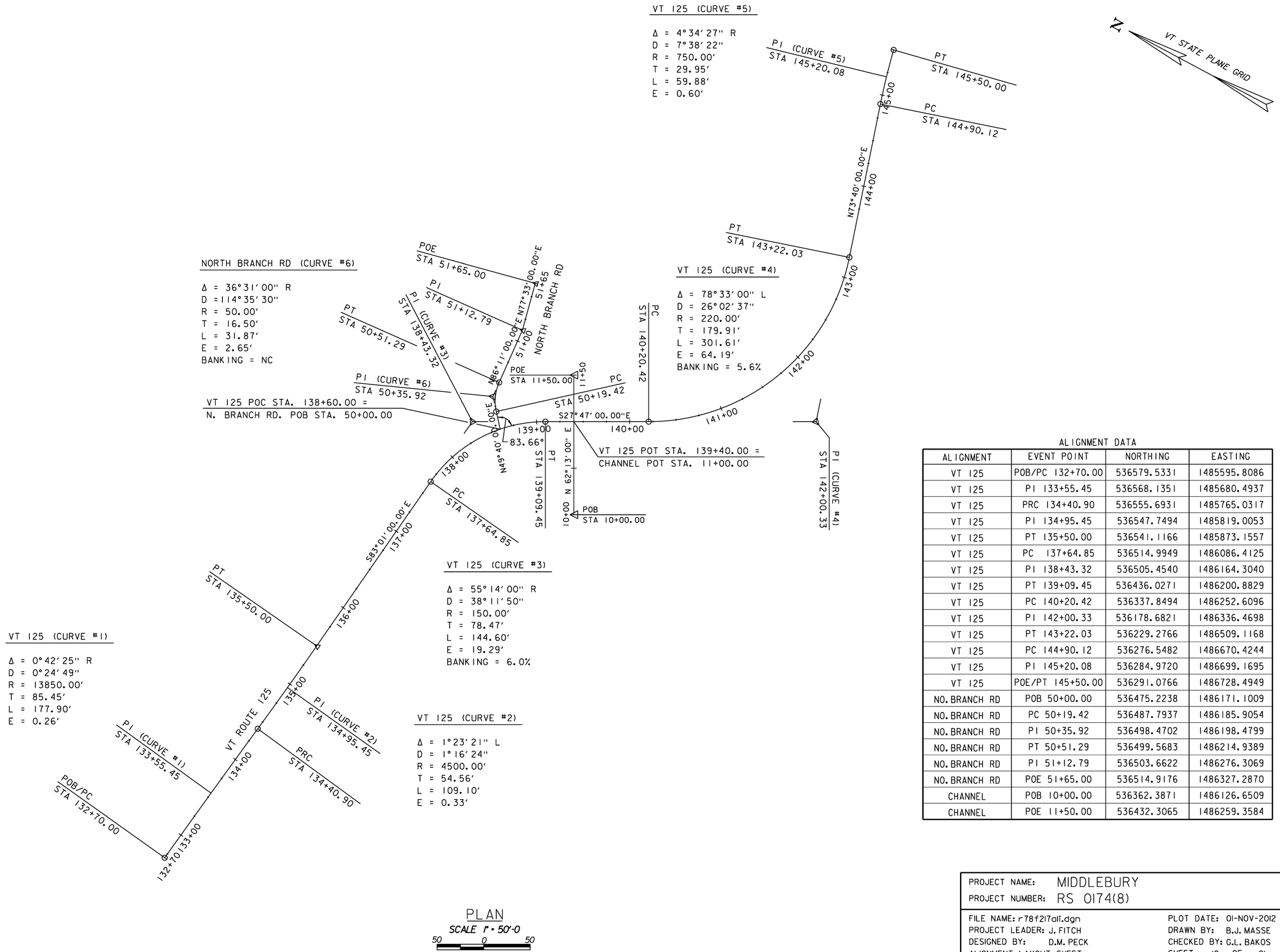
HORIZONTAL NAD 83 (92)

ADJUSTMENT -

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217tie.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: B.J. MASSE
TIE SHEET

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.S. GOODRICH
SHEET 9 OF 21



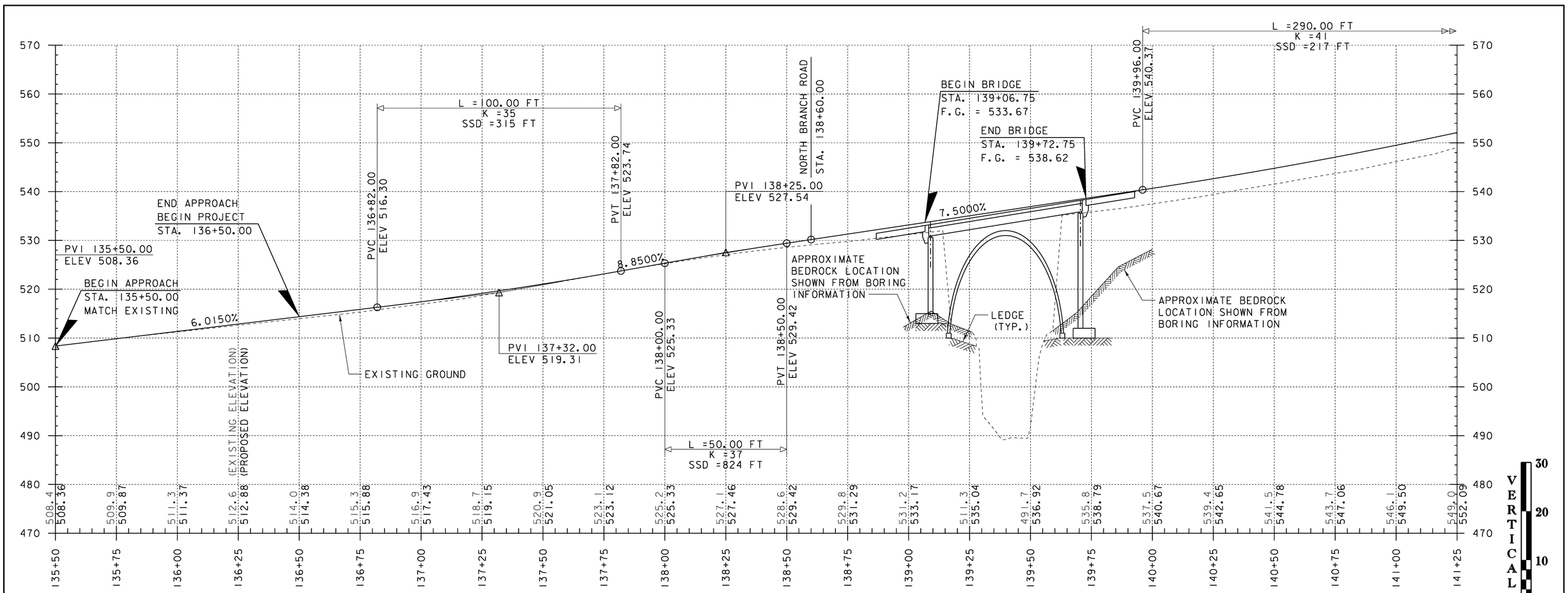
ALIGNMENT DATA

ALIGNMENT	EVENT POINT	NORTHING	EASTING
VT 125	POB/PC 132+70.00	536579.5331	1485595.8086
VT 125	PI 133+55.45	536568.1351	1485680.4937
VT 125	PRC 134+40.90	536555.6931	1485765.0317
VT 125	PI 134+95.45	536547.7494	1485819.0053
VT 125	PT 135+50.00	536541.1166	1485873.1557
VT 125	PC 137+64.85	536514.9949	1486086.4125
VT 125	PI 138+43.32	536505.4540	1486164.3040
VT 125	PT 139+09.45	536436.0271	1486200.8829
VT 125	PC 140+20.42	536337.8494	1486252.6096
VT 125	PI 142+00.33	536178.6821	1486336.4698
VT 125	PT 143+22.03	536229.2766	1486509.1168
VT 125	PC 144+90.12	536276.5482	1486670.4244
VT 125	PI 145+20.08	536284.9720	1486699.1695
VT 125	POE/PT 145+50.00	536291.0766	1486728.4949
NO. BRANCH RD	POB 50+00.00	536475.2238	1486171.1009
NO. BRANCH RD	PC 50+19.42	536487.7937	1486185.9054
NO. BRANCH RD	PI 50+35.92	536498.4702	1486198.4799
NO. BRANCH RD	PT 50+51.29	536499.5683	1486214.9389
NO. BRANCH RD	PI 51+12.79	536503.6622	1486276.3069
NO. BRANCH RD	POE 51+65.00	536514.9176	1486327.2870
CHANNEL	POB 10+00.00	536362.3871	1486126.6509
CHANNEL	POE 11+50.00	536432.3065	1486259.3584

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217all.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: D.M. PECK
ALIGNMENT LAYOUT SHEET

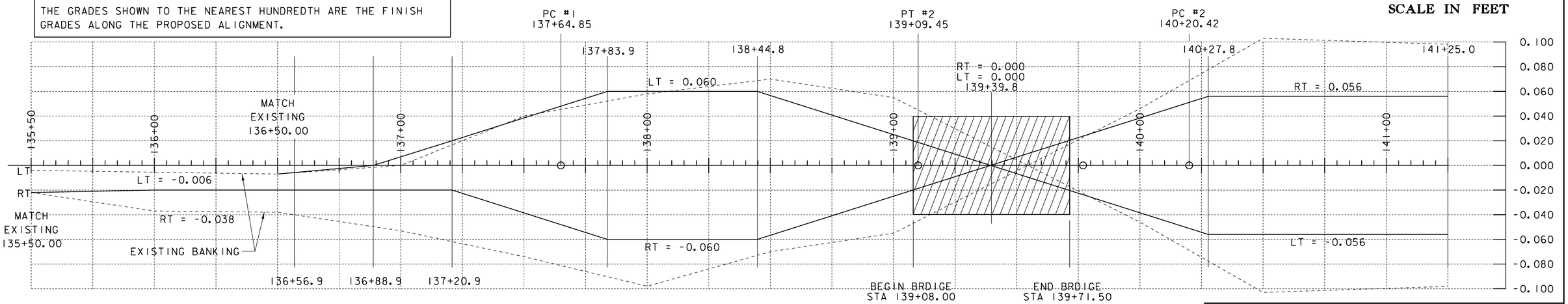
PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.L. BAKOS
SHEET 10 OF 21



VT 125 PROFILE

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

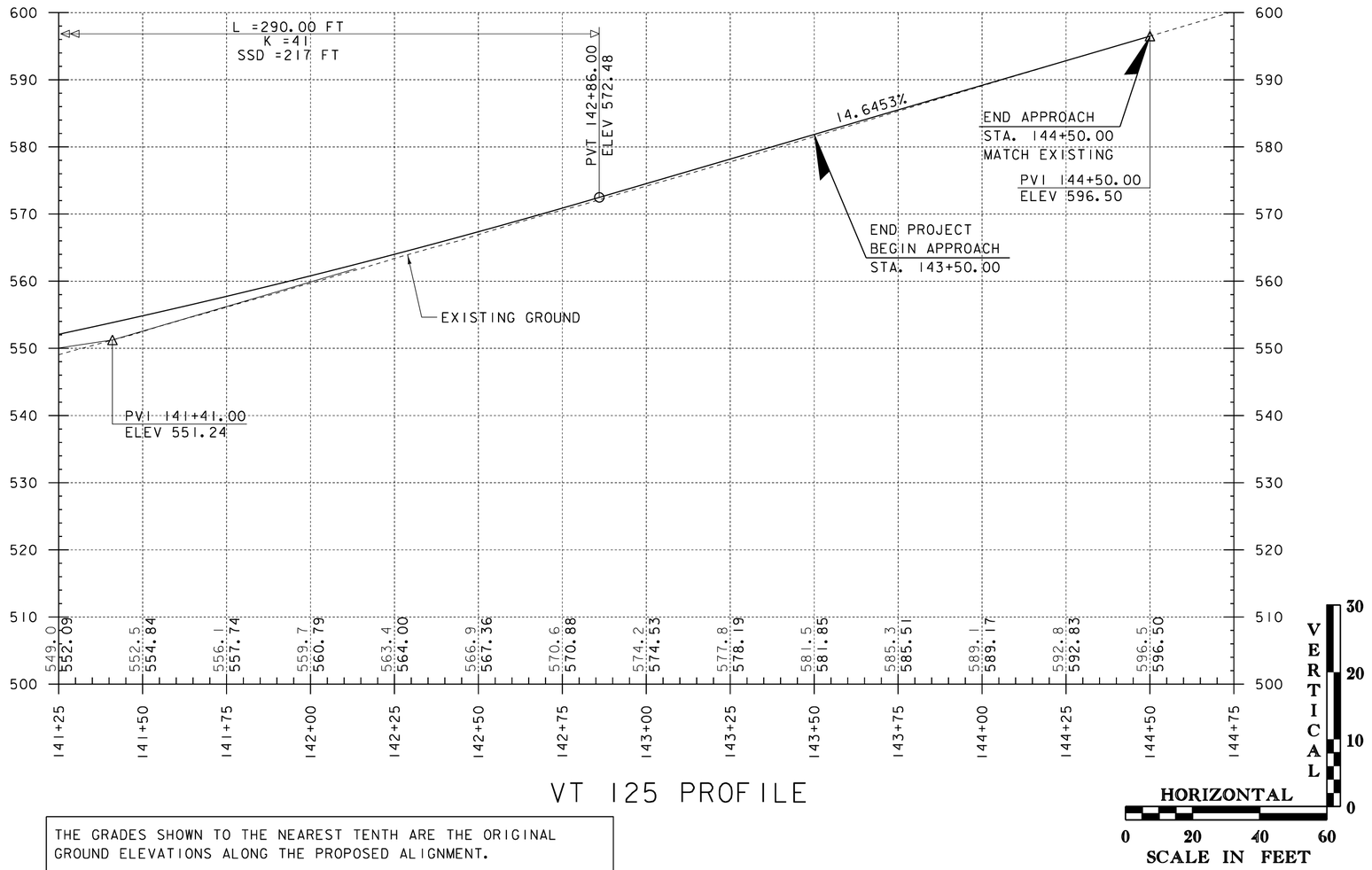
THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.



BANKING DIAGRAM

HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"= 0.040 FT/FT

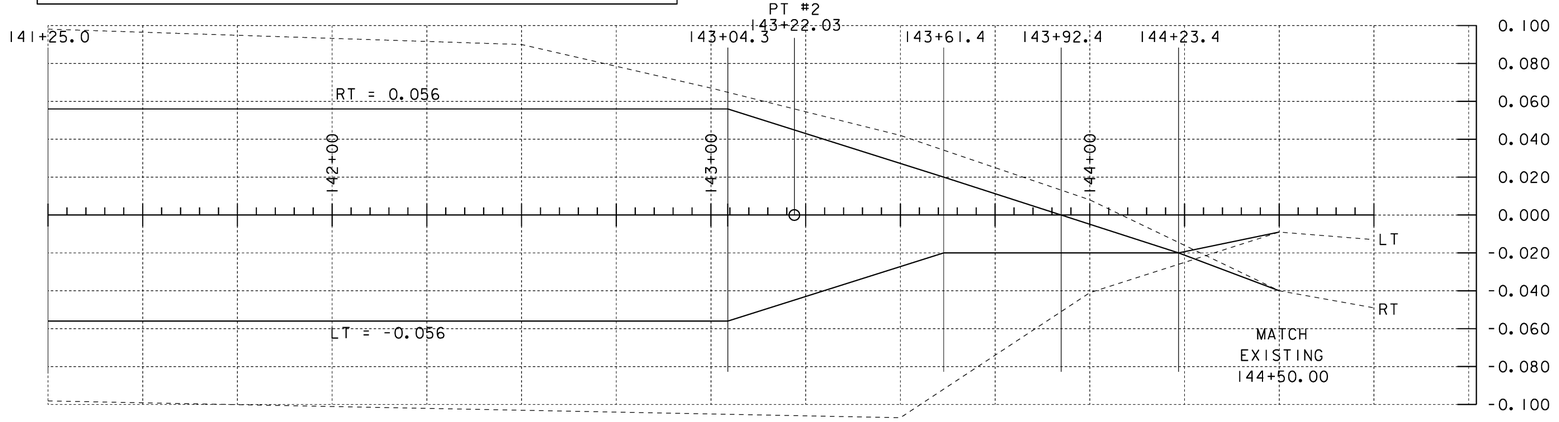
PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217pro.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FINCH	DRAWN BY: B.J. MASSE
DESIGNED BY: D.M. PECK	CHECKED BY: G.L. BAKOS
PROFILE & BANKING DIAGRAM 1OF 2	SHEET 11 OF 21



VT 125 PROFILE

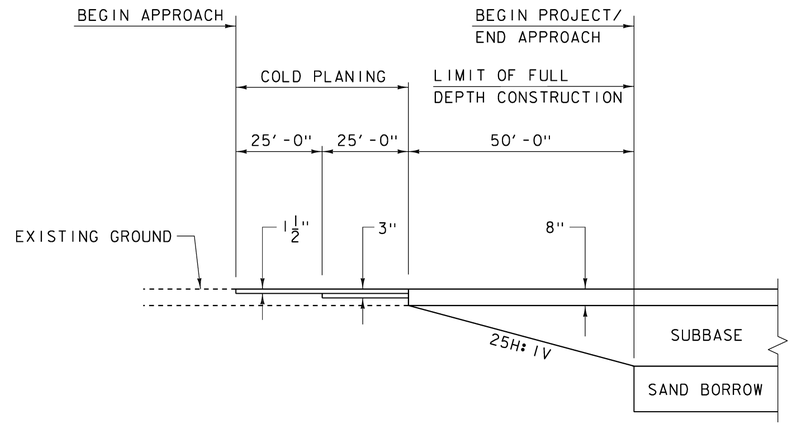
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

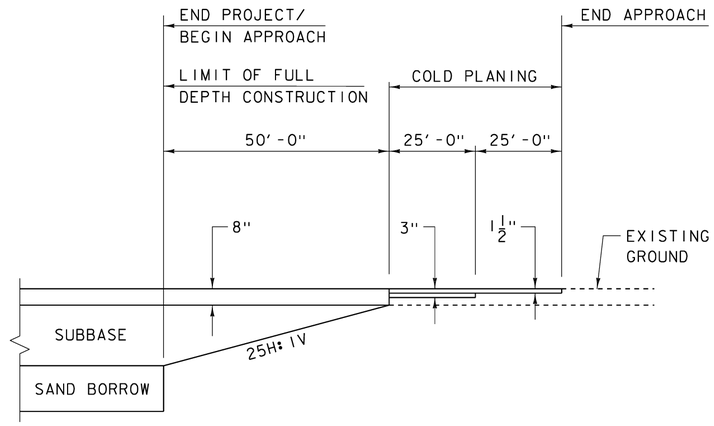


BANKING DIAGRAM

HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"= 0.040 FT/FT

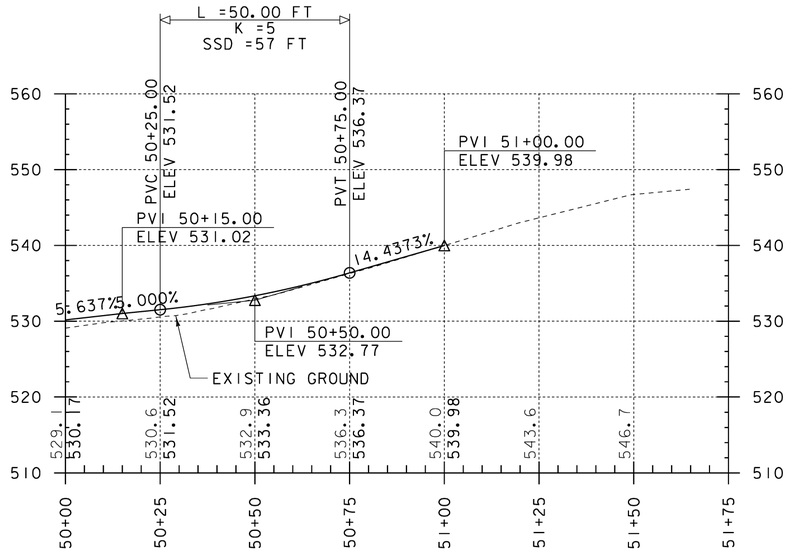


SUBBASE TAPER @ BEGIN PROJECT

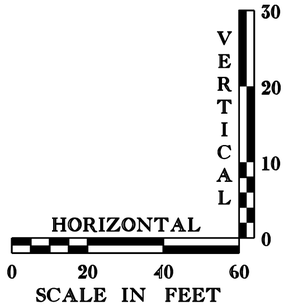


SUBBASE TAPER @ END PROJECT

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217pro.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FINCH	DRAWN BY: B.J. MASSE
DESIGNED BY: D.M. PECK	CHECKED BY: G.L. BAKOS
PROFILE & BANKING DIAGRAM 2 OF 2	SHEET 12 OF 21



NORTH BRANCH RD PROFILE



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217pro.dgn
PROJECT LEADER: J. FINCH
DESIGNED BY: D.M. PECK
PROFILE SHEET NORTH BRANCH ROAD

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.L. BAKOS
SHEET 13 OF 21

N

VT STATE PLANE GRID

STA 139+00, 41' LT
INSTALL NEW POLE
W/ 16'-0" GUY WIRE

STA 137+20, 24 LT
INSTALL NEW POLE
W/ 16'-0" GUY WIRE

STA 135+47, RT
INSTALL NEW 15'-0"
GUY WIRE

REMOVE EXISTING POLE
(BY OTHERS)

REMOVE EXISTING POLE
(BY OTHERS)

REMOVE EXISTING POLE
(BY OTHERS)

EXISTING WATER LINE

House
Porch
Fence
Shed
Large Oak
Cabin
Woods
Drive
Guy
Guy Pole
Pine
Oak
Stonewall
Existing Steps
Stone Wall
Iron Pipe
Pole# 109 53
Pole# 108 51
Pole# 112 NET&T 12 55
Pole# None
Guys
COMB
WSO
R.O.W.
AER E&T
W
51
138+00
139+00
140+00
141±00
142+00
137+00
136+00
Middlebury River

CONVENTIONAL SYMBOLS

POWER POLE	
TELEPHONE POLE	
EXISTING WATER	W
EXISTING OVERHEAD LINE	AER E&T
EXISTING FIRE HYDRANT	
EXISTING WATER VALVE	WSO
PROPOSED UTILITY POLE	
PROPOSED OVERHEAD LINE	AER E&T

SCALE 1" = 20'-0"
20 0 20

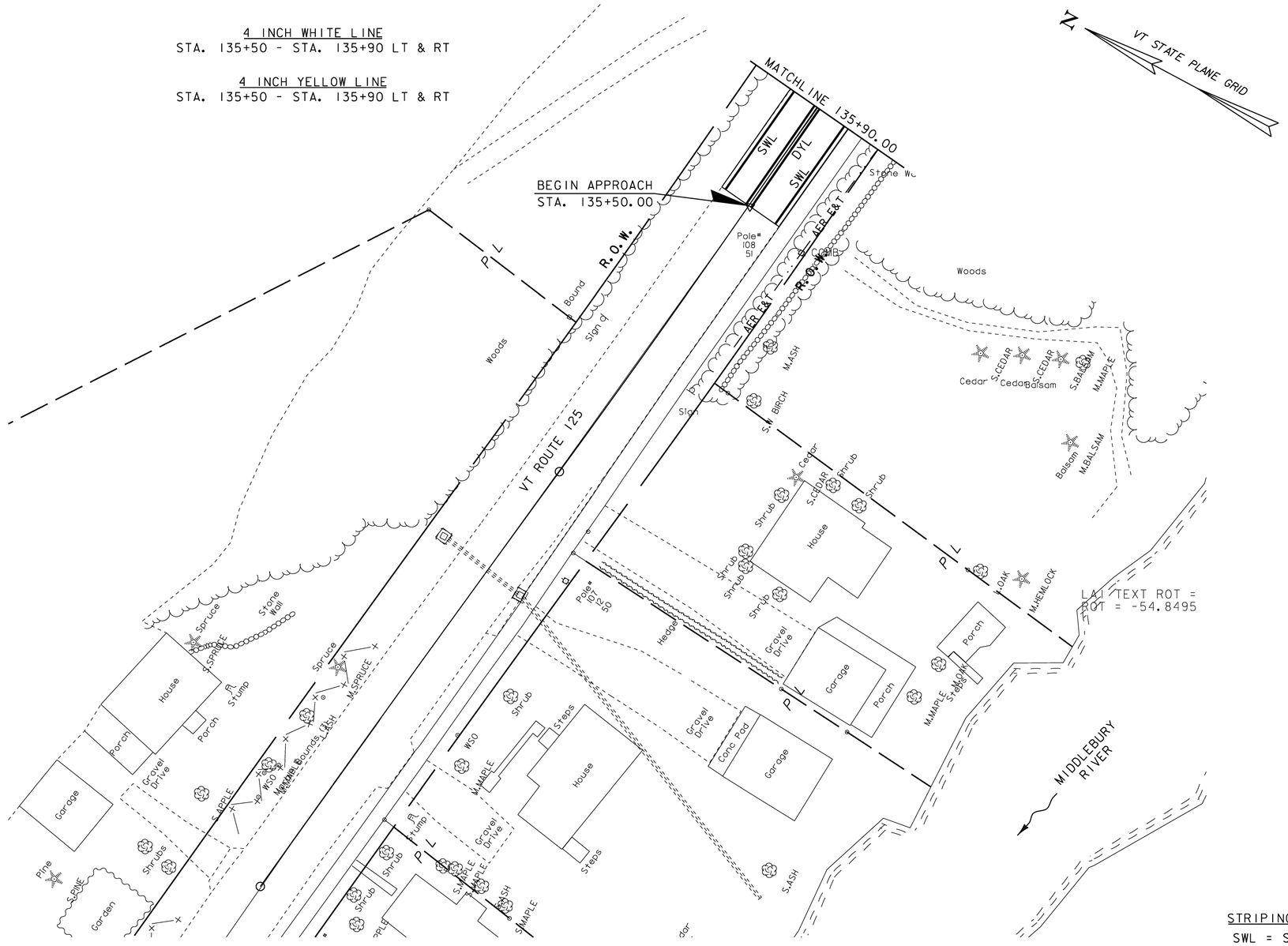
PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217ut11.dgn
PROJECT LEADER: J. FINCH
DESIGNED BY: D.M. PECK
UTILITY LAYOUT SHEET

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: G.L. BAKOS
SHEET 14 OF 21

4 INCH WHITE LINE
STA. 135+50 - STA. 135+90 LT & RT

4 INCH YELLOW LINE
STA. 135+50 - STA. 135+90 LT & RT



PLAN
SCALE 1" = 20'-0
20 0 20

STRIPING LEGEND
SWL = SINGLE WHITE LINE
DYL = DOUBLE YELLOW LINE

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217tsl.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FITCH	DRAWN BY: J.A. ROBERT
DESIGNED BY: J.A. ROBERT	CHECKED BY: M.D. SUENNEN
TRAFFIC SIGNS & STRIPING SHEET 1 OF 3	SHEET 15 OF 21

REMOVING SIGNS

STA. 136+46, LT
STA. 138+16, LT
STA. 138+26, RT
STA. 138+41, LT (2)
STA. 138+76, LT
STA. 138+82, LT (2)
STA. 139+00, LT
STA. 139+02, RT
STA. 139+63, LT
STA. 139+86, RT
STA. 139+95, LT
STA. 140+16, RT
STA. 140+80, RT (2)
STA. 141+45, RT (2)

TRAFFIC SIGN, TYPE A

STA. 138+16, LT
STA. 138+26, RT
STA. 138+52, LT (2)
STA. 138+82, LT (2)
STA. 138+83, LT
STA. 139+00, LT
STA. 139+02, RT
STA. 139+75, LT
STA. 139+86, RT
STA. 139+95, LT
STA. 140+16, RT
STA. 140+80, RT (2)
STA. 141+45, RT (2)

4 INCH WHITE LINE

STA. 135+90 - STA. 138+40, LT
STA. 138+90 - STA. 141+90, LT
STA. 135+90 - STA. 141+90, RT

4 INCH YELLOW LINE

STA. 135+90 - STA. 138+40, LT & RT
STA. 138+90 - STA. 141+90, LT & RT
STA. 50+23 - STA. 50+73, LT & RT

24 INCH STOP BAR

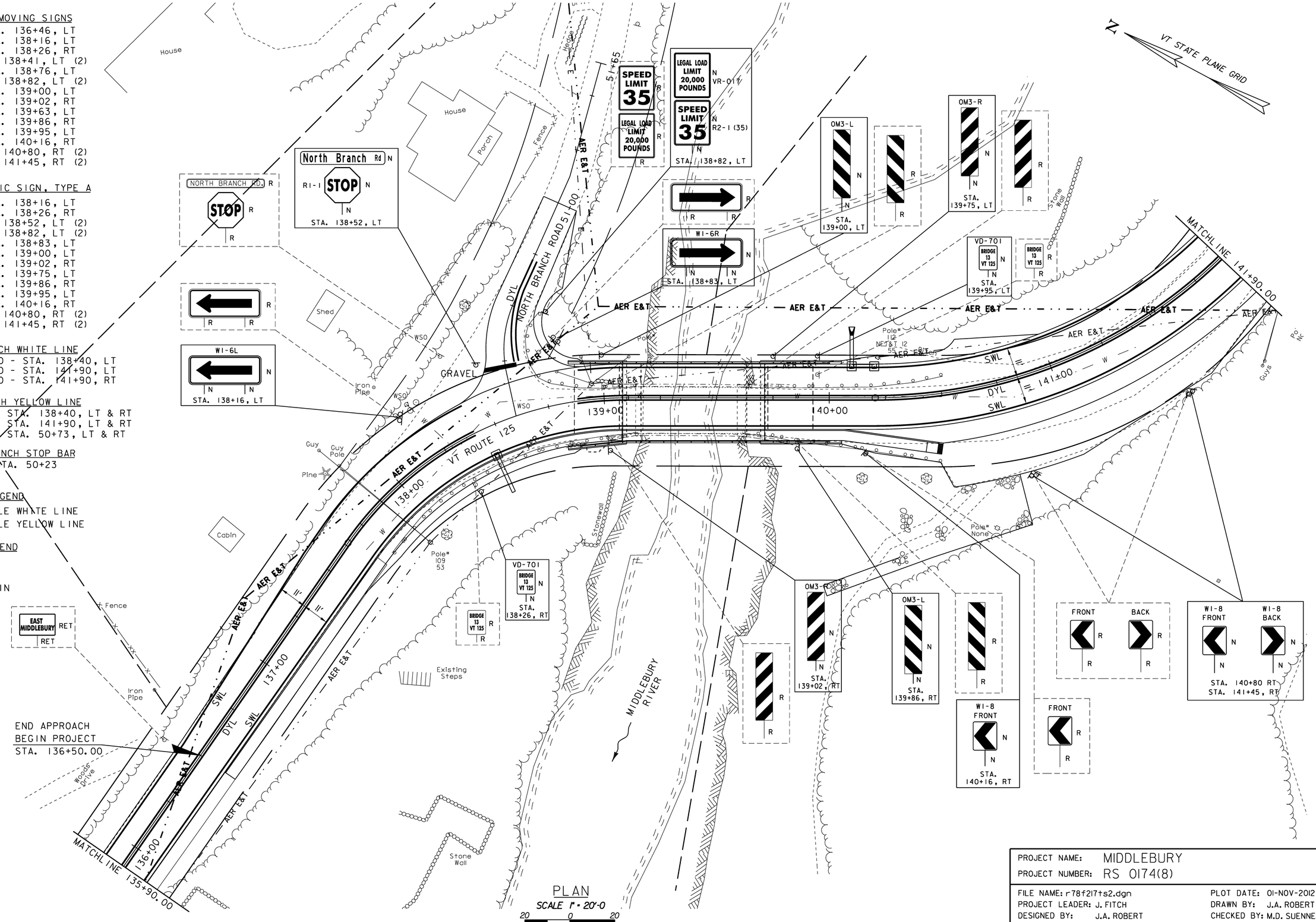
STA. 50+23

STRIPING LEGEND

SWL = SINGLE WHITE LINE
DYL = DOUBLE YELLOW LINE

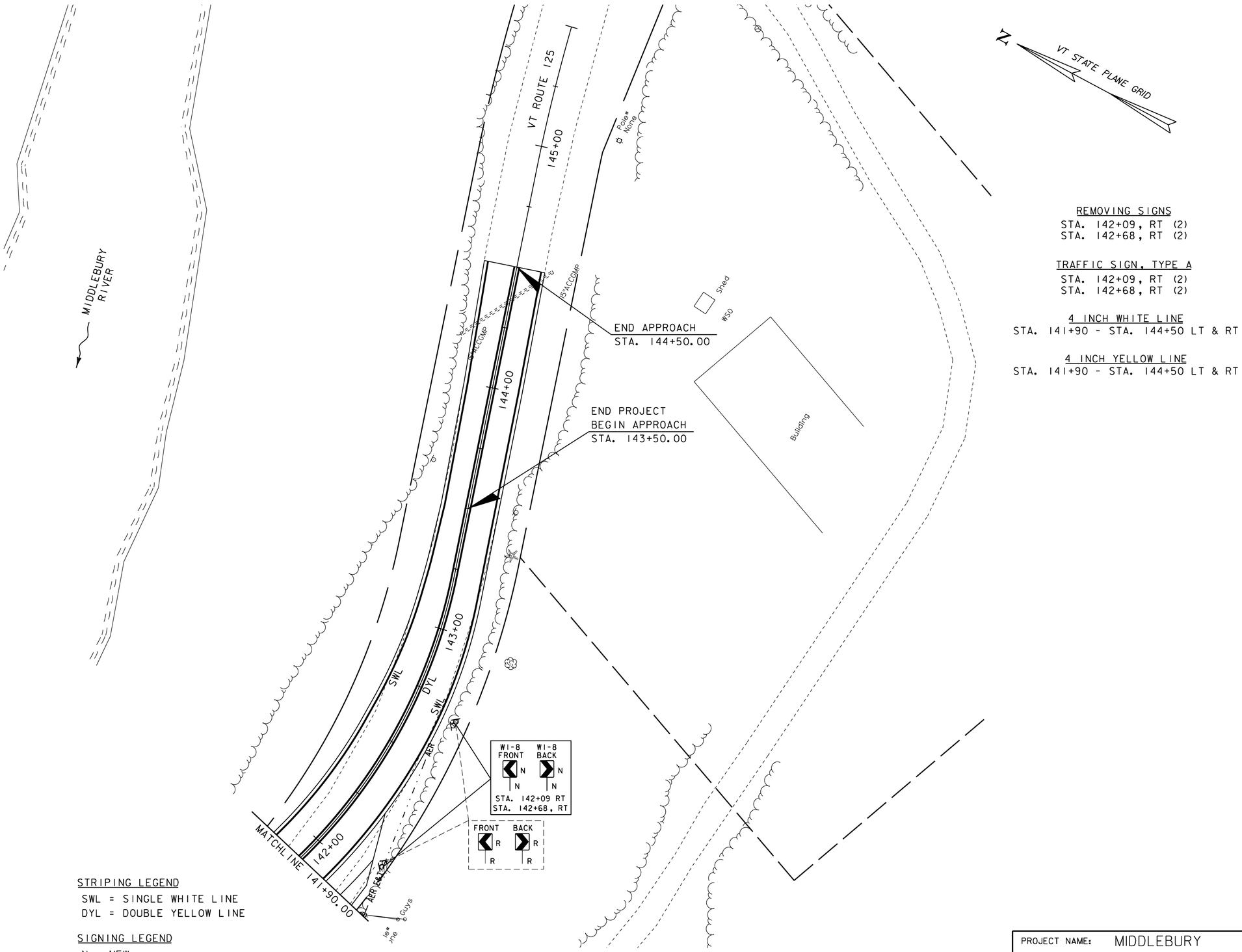
SIGNING LEGEND

N = NEW
R = REMOVE
RET = RETAIN



PLAN
SCALE 1" = 20'-0
20 0 20

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217ts2.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FITCH	DRAWN BY: J.A. ROBERT
DESIGNED BY: J.A. ROBERT	CHECKED BY: M.D. SUENNEN
TRAFFIC SIGNS & STRIPING SHEET 2 OF 3	SHEET 16 OF 21



REMOVING SIGNS
STA. 142+09, RT (2)
STA. 142+68, RT (2)

TRAFFIC SIGN, TYPE A
STA. 142+09, RT (2)
STA. 142+68, RT (2)

4 INCH WHITE LINE
STA. 141+90 - STA. 144+50 LT & RT

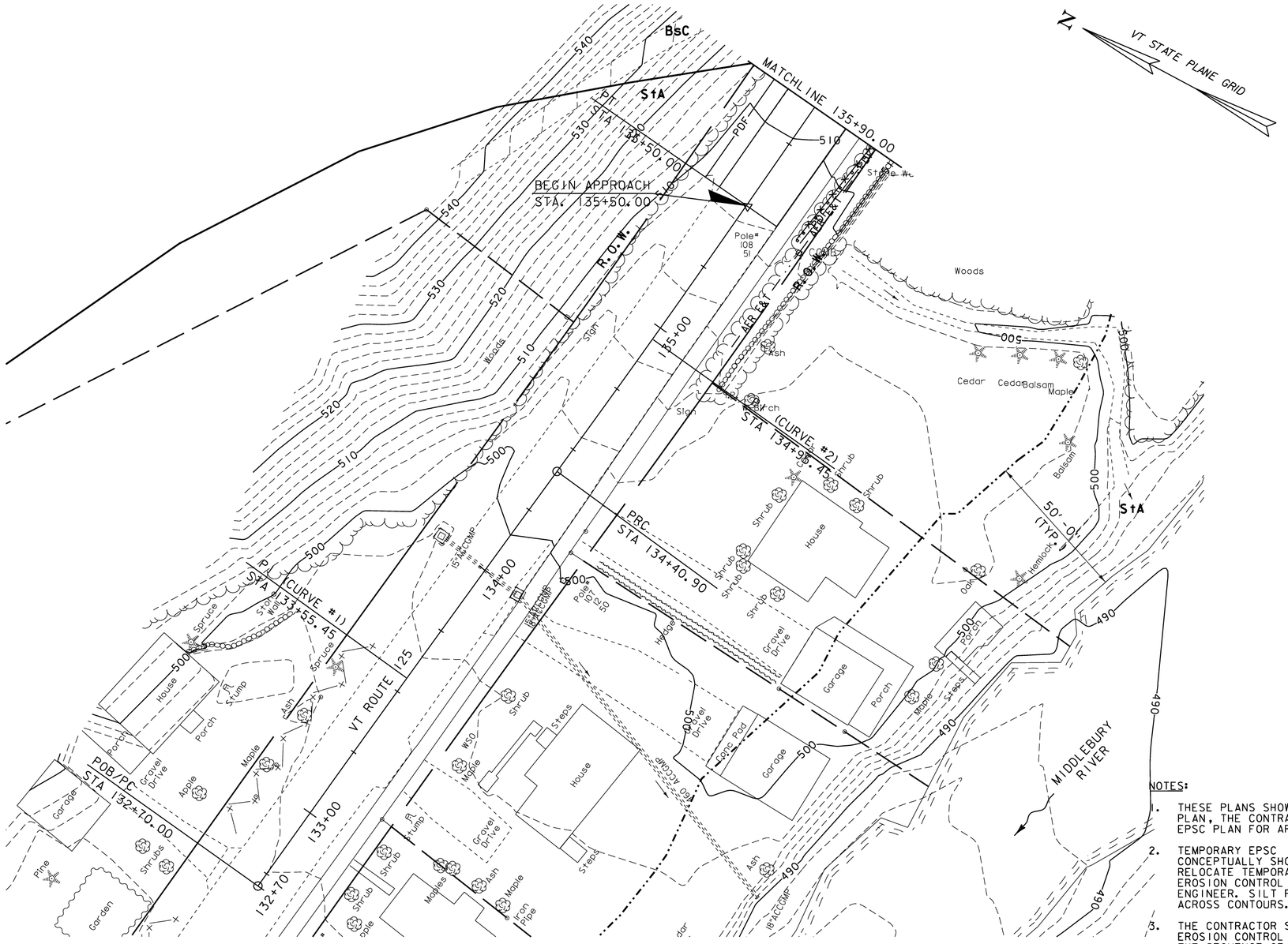
4 INCH YELLOW LINE
STA. 141+90 - STA. 144+50 LT & RT

STRIPING LEGEND
SWL = SINGLE WHITE LINE
DYL = DOUBLE YELLOW LINE

SIGNING LEGEND
N = NEW
R = REMOVE

PLAN
SCALE 1" = 20'-0
20 0 20

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)
FILE NAME: r78f217ts3.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FITCH	DRAWN BY: J.A. ROBERT
DESIGNED BY: J.A. ROBERT	CHECKED BY: M.D. SUENNEN
TRAFFIC SIGNS & STRIPING SHEET 3 OF 3	SHEET 17 OF 21



SOIL CLASSIFICATION

BERKSHIRE AND MARLOW
EXTREMELY STONY LOAM (BsC)
3% TO 20% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

STETSON GRAVELLY FINE SANDY LOAM (StA)
0% TO 5% SLOPES
"K FACTOR" = 0.10
CLASSIFIED LOW EROSION POTENTIAL

LEGEND

- WOVEN WIRE REINFORCED SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PDF PDF PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE
- APPROXIMATE SOIL BOUNDRY
- ARCH HISTORICAL AND ARCHEOLOGICAL AREA

PLAN

SCALE 1" = 20'-0

20 0 20

NOTES:

1. THESE PLANS SHOW A CONCEPTUAL EROSION CONTROL PLAN, THE CONTRACTOR MUST SUBMIT A TEMPORARY EPSC PLAN FOR APPROVAL.
2. TEMPORARY EPSC PLAN MEASURES ARE CONCEPTUALLY SHOWN. THE CONTRACTOR MAY RELOCATE TEMPORARY MEASURES TO IMPROVE EROSION CONTROL WITH APPROVAL OF THE RESIDENT ENGINEER. SILT FENCE SHALL NOT BE INSTALLED ACROSS CONTOURS.
3. THE CONTRACTOR SHALL USE OTHER TEMPORARY EROSION CONTROL MEASURES AS NECESSITATED BY THE SEQUENCE OF CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.
5. WHERE LEDGE IS EXPOSED, GRAVEL BAGS MAY BE USED INSTEAD OF FILTER CURTAIN. PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO ITEM 649.61 "GEOTEXTILE FOR FILTER CURTAIN".

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217erol.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: B.J. MASSE
EPSC CONSTRUCTION SITE PLAN 1 OF 3

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: K. REINHART
SHEET 18 OF 21

LEGEND

- WOVEN WIRE REINFORCED SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- EROSION MATTING
- PDF PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE
- STABALIZED CONSTRUCTION ENTRANCE
- APPROXIMATE SOIL BOUNDRY
- ARCH HISTORICAL AND ARCHEOLOGICAL AREA

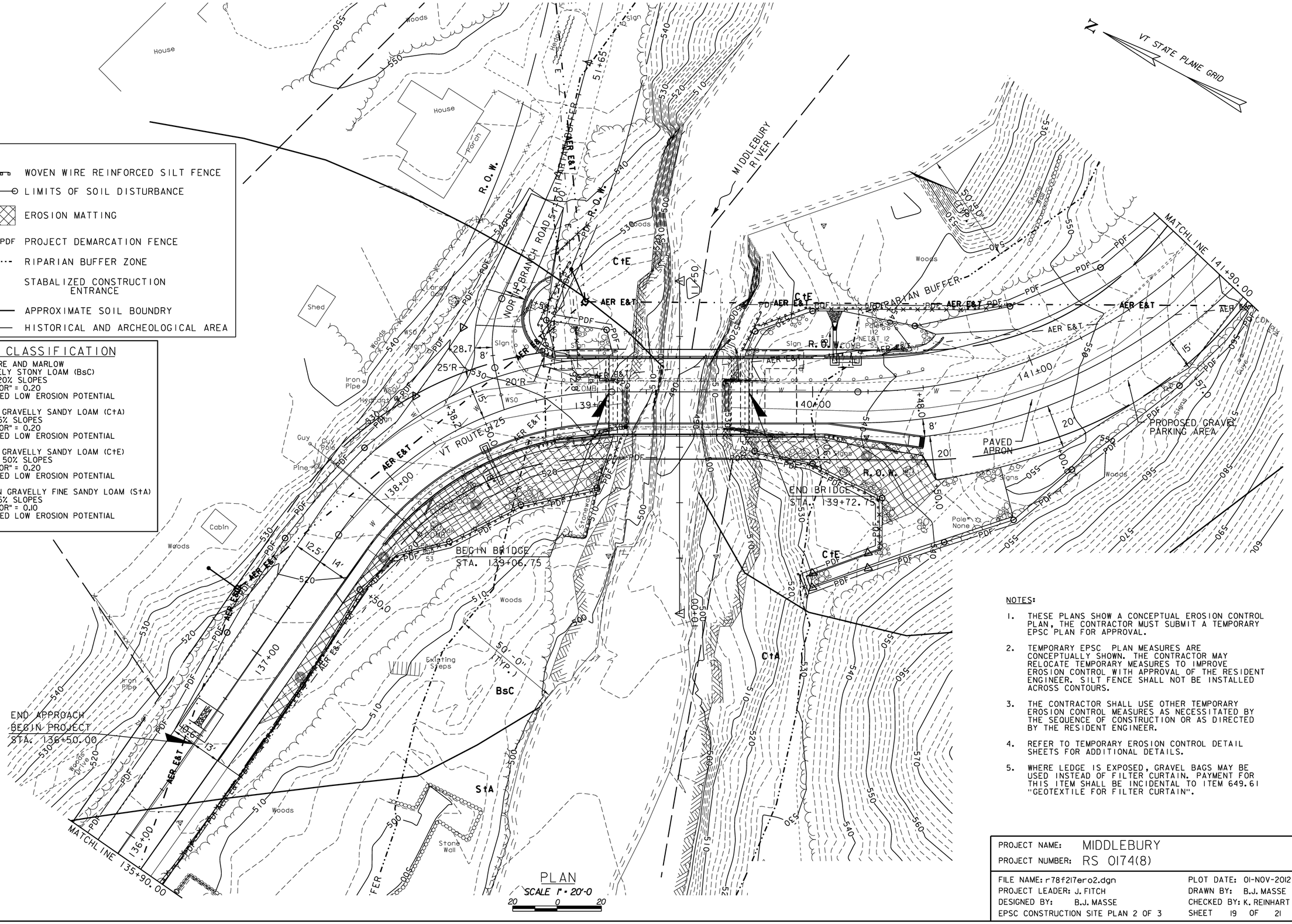
SOIL CLASSIFICATION

BERKSHIRE AND MARLOW
EXTREMELY STONY LOAM (BsC)
3% TO 20% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

COLTON GRAVELLY SANDY LOAM (CtA)
0% TO 5% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

COLTON GRAVELLY SANDY LOAM (CtE)
30% TO 50% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

STETSON GRAVELLY FINE SANDY LOAM (StA)
0% TO 5% SLOPES
"K FACTOR" = 0.10
CLASSIFIED LOW EROSION POTENTIAL



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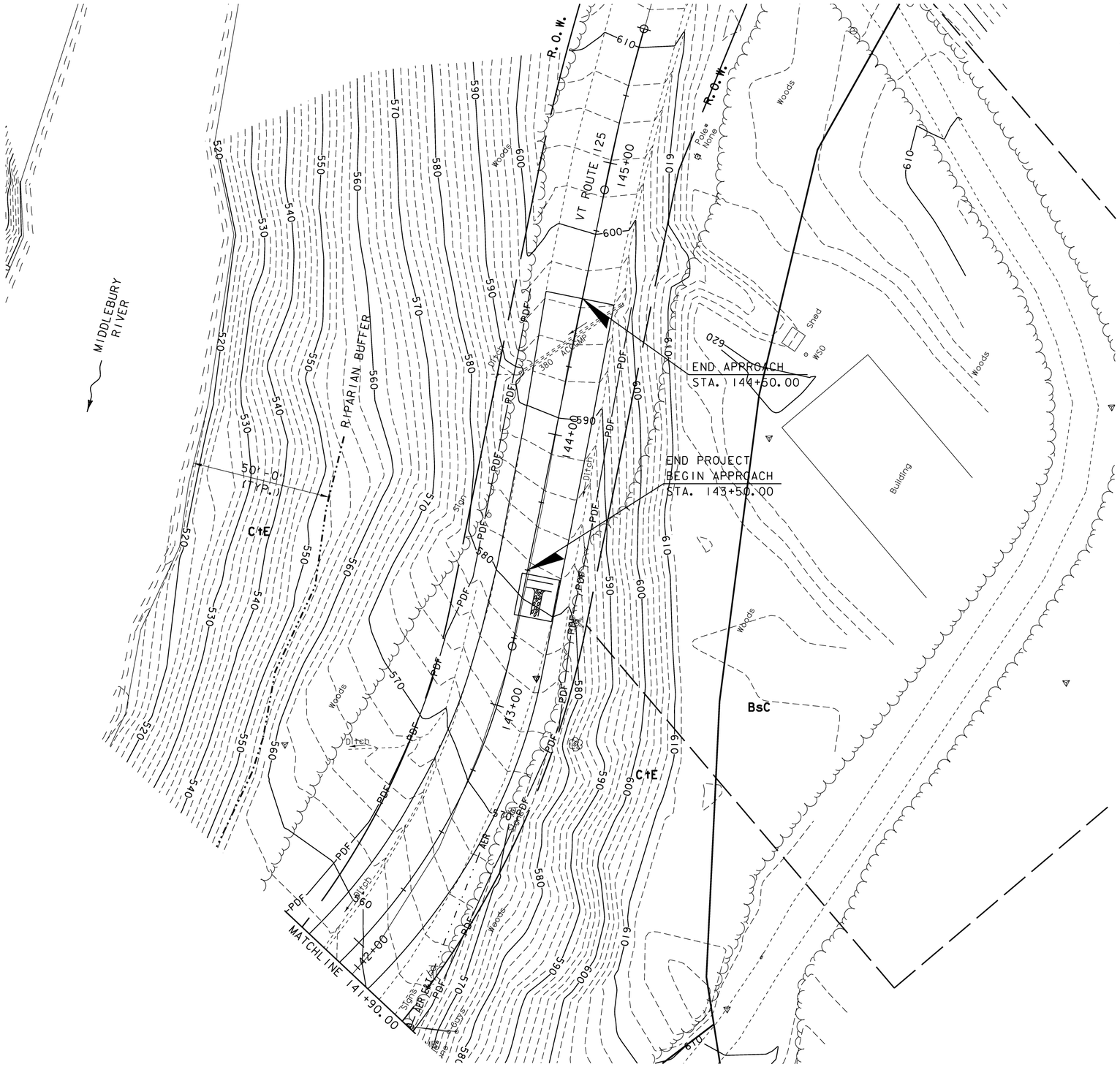
PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

FILE NAME: r78f217ero2.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: B.J. MASSE
EPSC CONSTRUCTION SITE PLAN 2 OF 3

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: K. REINHART
SHEET 19 OF 21



PLAN
SCALE 1" = 20'-0
20 0 20

SOIL CLASSIFICATION

BERKSHIRE AND MARLOW
EXTREMELY STONY LOAM (BsC)
3% TO 20% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

COLTON GRAVELLY SANDY LOAM (C+E)
30% TO 50% SLOPES
"K FACTOR" = 0.20
CLASSIFIED LOW EROSION POTENTIAL

LEGEND

- WOVEN WIRE REINFORCED SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PDF——PDF PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE
- STABALIZED CONSTRUCTION ENTRANCE
- APPROXIMATE SOIL BOUNDRY

NOTES:

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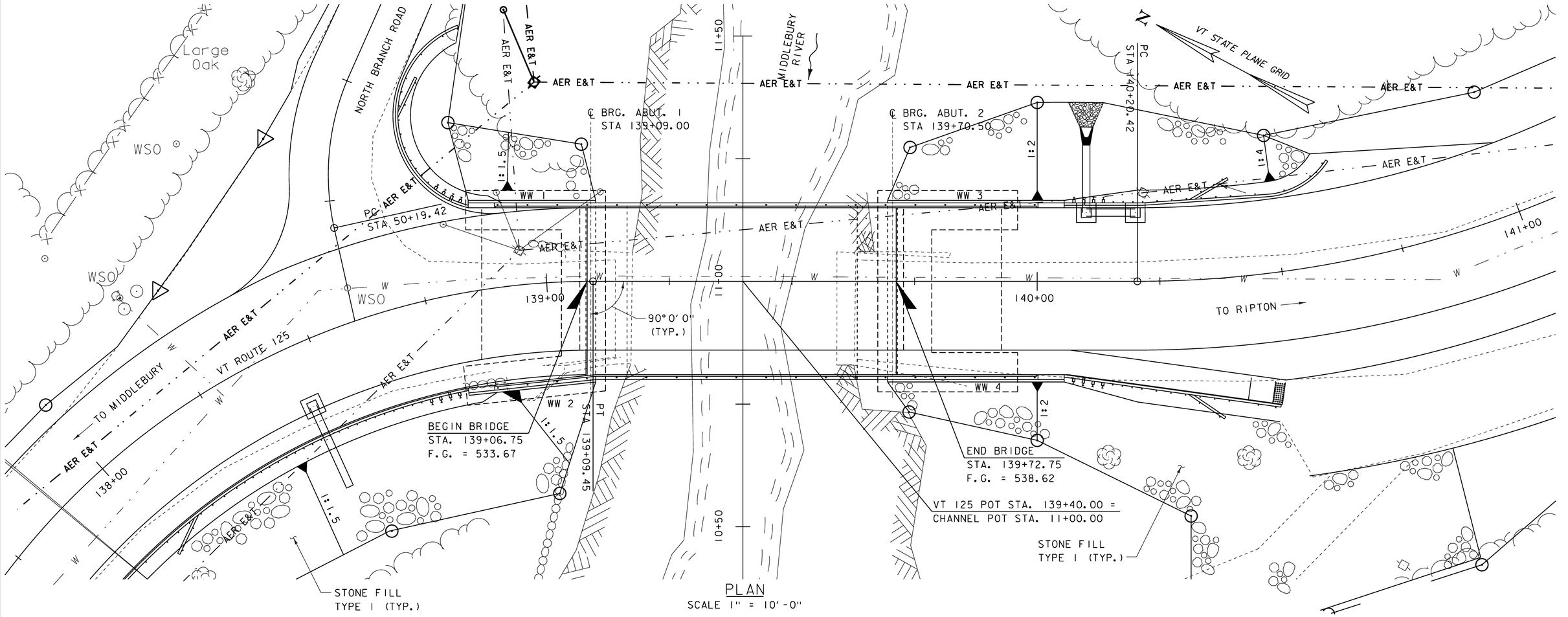
PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: RS 0174(8)

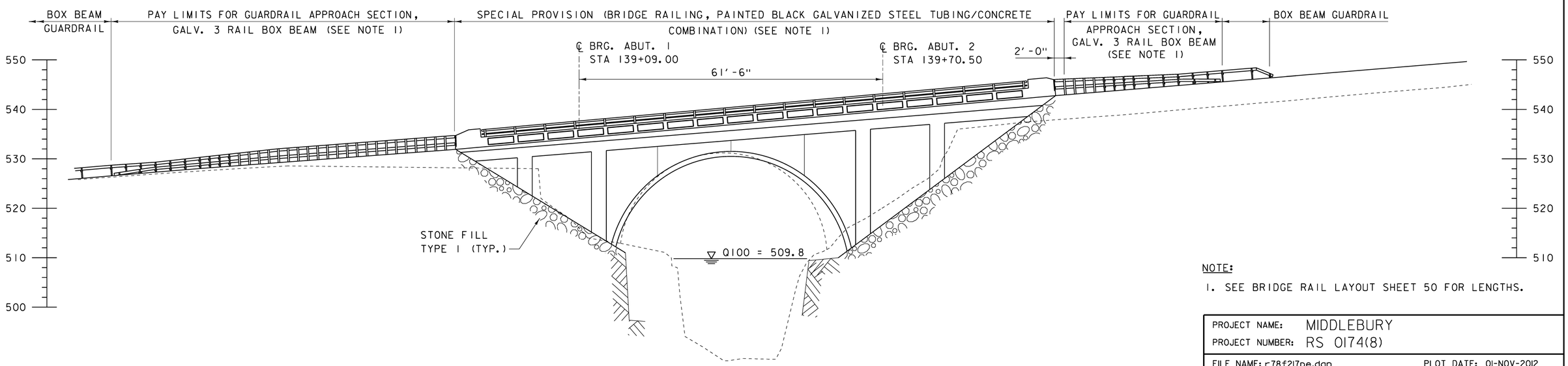
FILE NAME: r78f217ero3.dgn
PROJECT LEADER: J. FITCH
DESIGNED BY: B.J. MASSE
EPSC CONSTRUCTION SITE PLAN 3 OF 3

PLOT DATE: 01-NOV-2012
DRAWN BY: B.J. MASSE
CHECKED BY: K. REINHART
SHEET 20 OF 21



PLAN

SCALE 1" = 10'-0"



ELEVATION AT DOWNSTREAM FASCIA

SCALE 1" = 10'-0"

NOTE:

1. SEE BRIDGE RAIL LAYOUT SHEET 50 FOR LENGTHS.

PROJECT NAME:	MIDDLEBURY
PROJECT NUMBER:	RS 0174(8)

FILE NAME: r78f217pe.dgn	PLOT DATE: 01-NOV-2012
PROJECT LEADER: J. FITCH	DRAWN BY: B.J. MASSE
DESIGNED BY: G.S. GOODRICH	CHECKED BY: G.S. GOODRICH
PLAN & ELEVATION	SHEET 21 OF 21