

Original Drawing - Ink on Polymer meeting the requirements of 27 V.S.A. § 1403

R.O.W. PLANS

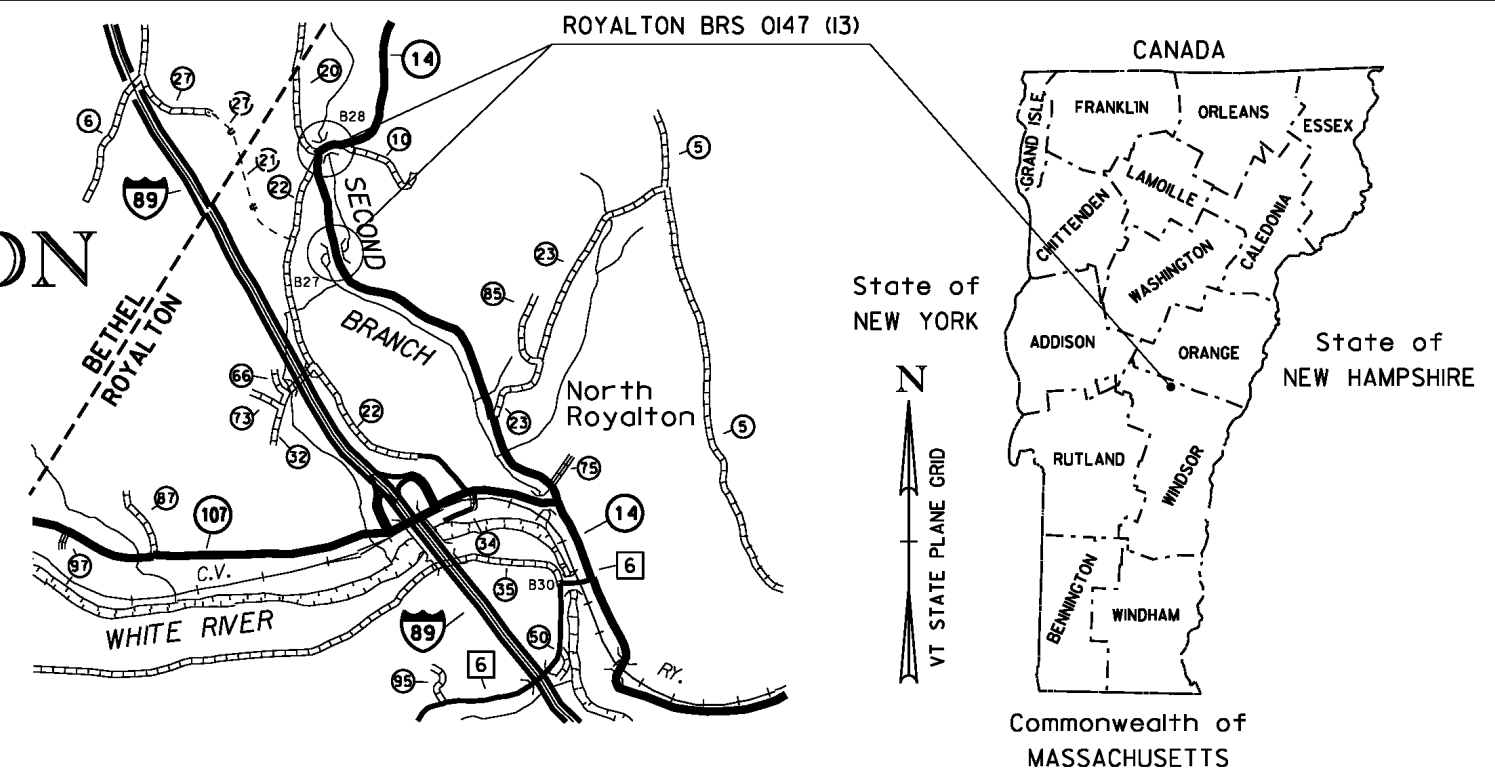
THE FOLLOWING ROW PLAN SHEETS PERTAIN DIRECTLY TO THE ACQUISITION OF LAND AND RIGHTS NECESSARY TO CONSTRUCT THIS TRANSPORTATION PROJECT. SHEETS REGARDING SPECIFIC CONSTRUCTION DETAILS ARE NOT INCLUDED IN THIS RECORDED SET

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

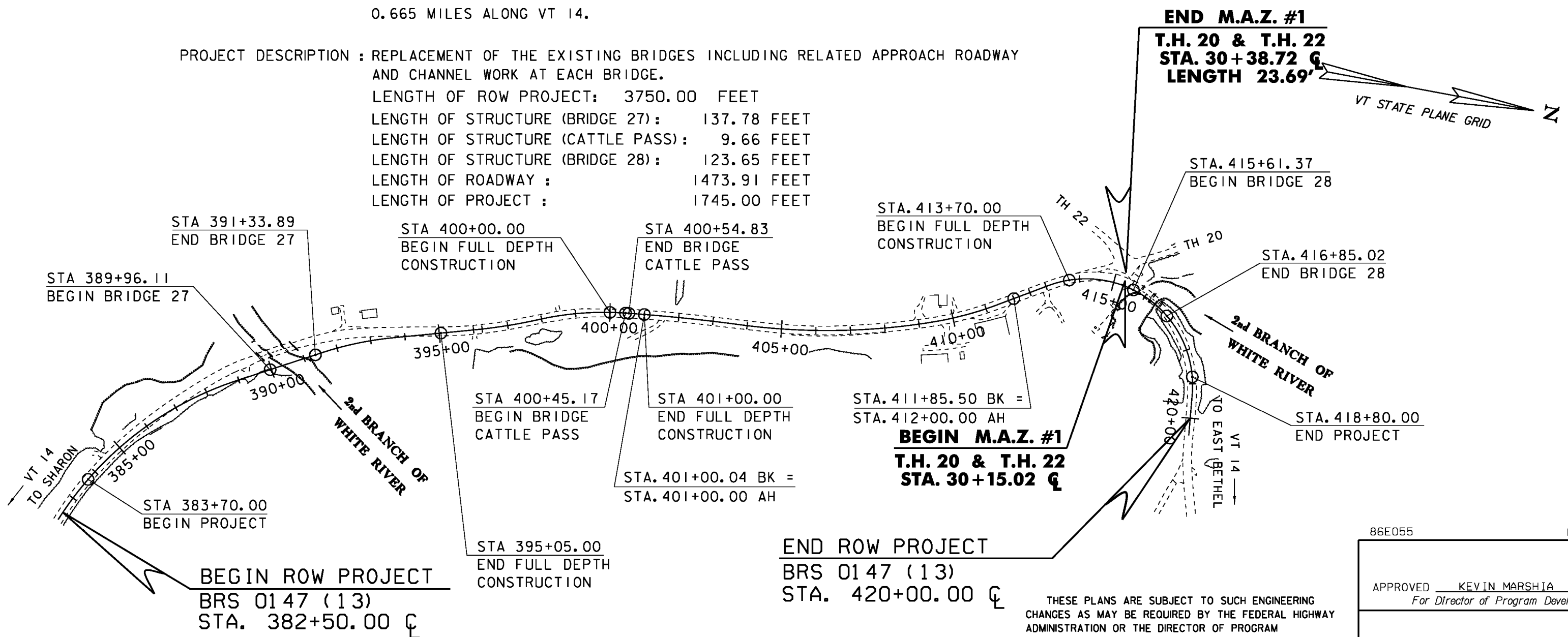
TOWN OF ROYALTON COUNTY OF WINDSOR



ROUTE NO: VT 14 MAJOR COLLECTOR BRIDGES NO: 27 & 28 & CATTLE PASS

PROJECT LOCATION : BEGINNING AT A POINT ON VT 14 APPROXIMATELY 1.418 MILES NORTHWESTERLY FROM THE INTERSECTION OF VT 107 AND VT 14 AND EXTENDING NORTHERLY 0.665 MILES ALONG VT 14.

PROJECT DESCRIPTION : REPLACEMENT OF THE EXISTING BRIDGES INCLUDING RELATED APPROACH ROADWAY AND CHANNEL WORK AT EACH BRIDGE.
 LENGTH OF ROW PROJECT: 3750.00 FEET
 LENGTH OF STRUCTURE (BRIDGE 27): 137.78 FEET
 LENGTH OF STRUCTURE (CATTLE PASS): 9.66 FEET
 LENGTH OF STRUCTURE (BRIDGE 28): 123.65 FEET
 LENGTH OF ROADWAY : 1473.91 FEET
 LENGTH OF PROJECT : 1745.00 FEET



CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
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	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : R. GILMAN
 SURVEYED DATE : 07-16-2001

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (96)

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

200 0 200
 SCALE: 1" = 200' - 0"

END ROW PROJECT
 BRS 0147 (13)
 STA. 420+00.00 ☐

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.

86E055 PLOT DATE: 24-APR-2017

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

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

ROYALTON
 BRS 0147 (13)
 ROW SHEET 1 OF 39 SHEETS

Original Drawing – Ink on Polymer meeting the requirements of 27 V.S.A. § 1403

STATE OF VERMONT
AGENCY OF TRANSPORTATION

RIGHT - OF - WAY DETAIL SHEET

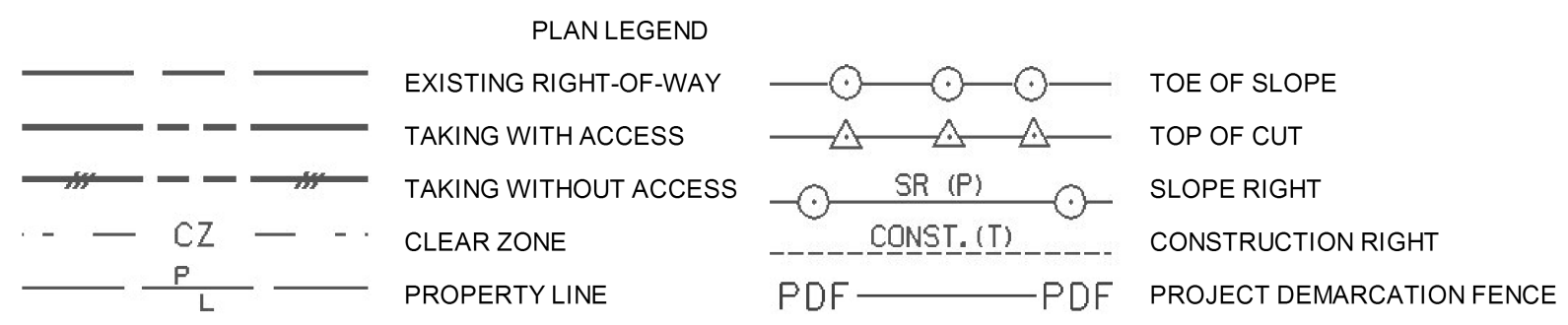
TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE AREA±	REMAINDER AREA±	RIGHT			RECORDING DATA				REMARKS				
							TYPE	(T)/(P)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK		PAGE			
1A	SPAULDING, GEORGE F. & AGNES W.	4-7, 10	382+63 LT	384+19 LT			CONST.	(T)	1190 SF	WD	07/12/13	ROYALTON	105	259-262	INCLUDES PDF, BF & EC			
			383+42 LT	384+38 LT			SLOPE	(T)	712 SF									
			384+26 LT	389+90 LT			CONST.	(T)	0.14 A									
			384+22 LT	384+50 LT			DRIVE	(T)								INCLUDES PDF, BF & EC; 5,938 SF±		
			384+50 LT	387+58 LT			SLOPE	(T)	0.16 A							10' WIDE GRAVEL DRIVE		
			388+09 LT	388+65 LT			SLOPE	(T)	393 SF							6,991 SF±		
			390+45 LT	391+75 LT			CONST.	(T)	884 SF							INCLUDES PDF, BF & EC		
			391+88 LT	392+06 LT			CONST.	(T)	13 SF							INCLUDES PDF, BF & EC		
			393+47 LT	396+04 LT			CONST.	(T)	858 SF							INCLUDES PDF, BF & EC		
			399+40 LT	401+72 LT			CONST.	(T)	2,430 SF							INCLUDES PDF, BF & EC		
			399+57.12 LT	401+50.00 LT			DITCH & DRAINAGE	(P)	3547 SF									
			400+16.07 LT	400+83.06 LT			INSTALL & MAINTAIN	(P)	1,239 SF							WINGWALLS		
			400+50 LT				INSTALL	(T)								10' WIDE GRAVEL FOR CATTLE PASS		
			412+50 LT	414+78 LT			CONST.	(T)	2,510 SF							INCLUDES PDF, BF & EC		
412+50 LT	TH 22 31+50 LT			REMOVE & RESET	(T)								WIRE FENCE					
413+33 LT	414+84 LT			SLOPE	(T)	1,328 SF												
1B		10	TH 22 30+79 RT	TH 22 31+37 RT			REMOVE & RESET	(T)							WIRE FENCE			
			TH 22 31+29 RT	TH 20 40+68 LT			CONST.	(T)	641 SF							INCLUDES PDF, BF & EC		
1C		10	TH 20 40+10 RT	TH 20 40+54 RT			CONST.	(T)	1247 SF						INCLUDES PDF, BF & EC			
			TH 20 40+50.00 RT				CUL., DIT. & DR.	(P)										
			415+44 LT				REMOVE	(T)								GUARDRAIL		
			416+43 LT	417+12 LT			SLOPE	(T)	500 SF									
			416+74.06 LT	417+81.02 LT			CHANNEL	(P)	1,741 SF									
			417+08.20 LT	418+42.72 LT			SLOPE	(P)	920 SF									
			417+61 LT	419+41 LT			CONST.	(T)	1,585 SF							INCLUDES PDF, BF & EC		
			418+52 LT	418+90 LT			SLOPE	(T)	163 SF									
			1D		5,6,7	390+45.82+ RT	395+62.17 RT	0.26 A		CHANNEL	(P)	883 SF						11,537 SF±
391+11.48 RT	391+49.97 RT						REMOVE & RESET	(T)								WIRE FENCE		
391+26.2 RT	394+73.3 RT						CONST.	(T)	0.11 A							INCLUDES PDF, BF & EC; 4,808 SF±		
391+36 RT	396+21 RT						SLOPE	(P)	295 SF									
391+50 RT	392+22 RT						CULV. & DRAIN	(P)										
392+22 RT	392+35 RT						DITCH & DRAINAGE	(P)	2,355 SF									
392+28 RT	395+75 RT																	
395+82.2 RT	396+21.4 RT																FIELD DRIVE	
399+56.44 RT	400+08 RT						CONST.	(T)	247 SF								INCLUDES PDF, BF & EC	
400+08.53 RT	400+89.95 RT						INSTALL & MAINTAIN	(P)	1,489 SF								WINGWALLS	
400+19 RT	400+77 RT						CONST.	(T)	183 SF									
400+50 RT							INSTALL	(T)									10' WIDE GRAVEL FOR CATTLE PASS	
400+50 RT							DRAINAGE	(P)										
400+90 RT	401+36 RT						CONST.	(T)	282 SF									
401+04.49 RT	401+11.86 RT						SLOPE	(T)	8 SF									
1E		10				413+01.06 RT	417+00 RT	0.19 A		DETOUR	(T)	0.47 A						8,486 SF±
						412+98.47 RT	418+58.70 RT			CONST.	(T)	1,475 SF						
			412+99.48 RT	415+24.76 RT			SLOPE	(T)	326 SF							INCLUDES PDF, BF & EC		
			413+01.10 RT	413+88.03 RT			DRAINAGE	(P)										
			414+76.00 RT															
			417+00.00 RT	418+27.76 RT			SLOPE	(P)	675 SF									
416+58 RT	419+24.24 RT			CONST.	(T)	2,083 SF								INCLUDES PDF, BF & EC				
1F		5,-10	382+50.00 CL	420+00.00 CL	3.84 A		ALL R.T. & I.								VT RTE. 14; HIGHWAY EASE.			
			390+78.7 LT	392+04.7 LT			REMOVE & RESET	(T)								WIRE FENCE		
			390+89.7 LT	395+93.4 RT			REMOVE & RESET	(T)								WIRE FENCE		
			393+44.9 LT	395+95.7 LT			REMOVE & RESET	(T)								WIRE FENCE		

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	3.5	PARCEL NO. 3 SMITH. CHANGE "GRAVEL" DRIVE AT STA. 392+31.5 LT TO "PAVED" DRIVE. PER C.O. 9784 MADE BY: MR APPROVED BY: HP	12/04/12
2	3.4	PARCEL NO. 3 CHANGE TAKE AREA FROM 0.01A TO 0.09A PER C.O. 9788 MADE BY: J.B. APPROVED BY: H.P.	01/28/13
3	2.5	PARCEL NO. 1 SPAULDING. ADD 0.09A± OF ALL R.T. & I. IN HWY. EASE. FROM PARCEL 3B TO THE 3.74A± IN PARCEL 1F. MAKING A NEW TOTAL OF 3.84A± FOR PARCEL 1F. CHANGE BEGINNING STA. OF REMOVE & RESET (T) FOR WIRE FENCE AT STA. 393+47.63 LT. TO 393+44.9 LT. PER C.O. 9793 MADE BY: MR APPROVED BY: HP	03/27/13
4	3.5	PARCEL NO. 3 SMITH & FREEMAN. DELETE PARCEL 3B. THIS PARCEL BELONGS TO THE SPAULDINGS. PER C.O. 9794 MADE BY: MR APPROVED BY: HP	03/27/13
5	2.10	PARCEL NO. 1 SPAULDING. AMEND ENDING STATION OF CONSTRUCTION EASEMENT FROM TH 40+69 TO 40+54. AMEND AREA FROM 922 S.F. TO 1,247 S.F. AMEND DRAINAGE RIGHT TO CUL., DIT. & DR. PER C.O. 9813 MADE BY: MR APPROVED BY: HP	05/16/13

PLOT DATE 04/12/17



- EC -EROSION CONTROL
- (P) -PERMANENT
- (T) -TEMPORARY
- DR. -DRAINAGE RIGHT
- DIT. -DITCHING RIGHT
- CH. -CHANNEL RIGHT
- DRIVE -DRIVE RIGHT
- CUL. -CULVERT RIGHT
- C&T -CLEARING & TRIMMING RIGHT
- SR -SLOPE RIGHT
- UE -UTILITY EASEMENT

BF -BARRIER FENCE

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

PROJECT NAME: ROYALTON		PLOT DATE:	
PROJECT NUMBER: BRS 0147 (13)		DRAWN BY: MR	
FILE NAME: r86e055_detail.xls	DESIGNED BY: D. PETERSON	CHECKED BY: JB	ROW DETAIL SHEET #1
		ROW SHEET 2 OF 38	

Original Drawing - Ink on Polymer meeting the requirements of 27 V.S.A. § 1403

- ① VT 14 STA 382+75.0 RT - VT 14 STA 386+25.0 RT
CONSTRUCT NEW GRASS-LINED DITCH
- ② VT 14 STA 383+91.3 RT - VT 14 STA 385+83.2 RT
CONSTRUCT NEW DITCH LINED WITH STONE FILL, TYPE I

CONSTRUCT 5' WIDE PAVED APRON
VT 14 STA 384+28.7 LT - VT 14 STA 384+67.8 LT

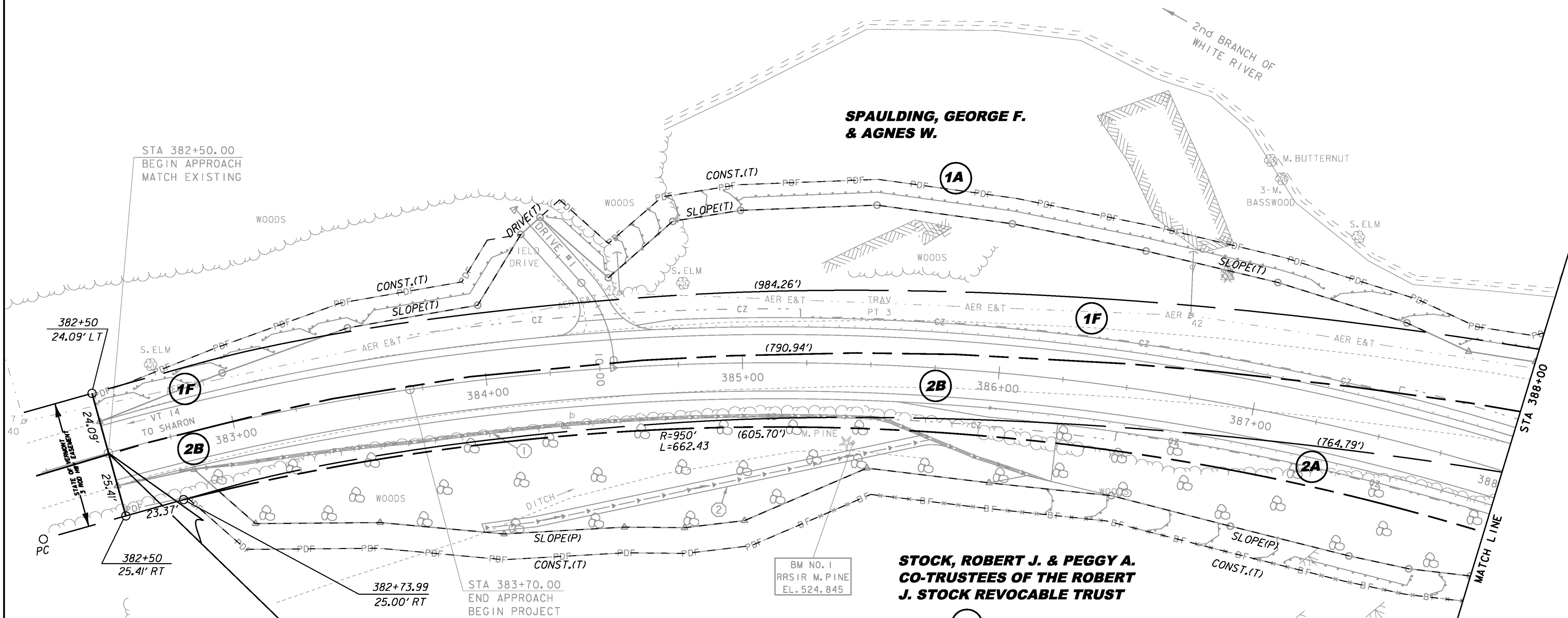
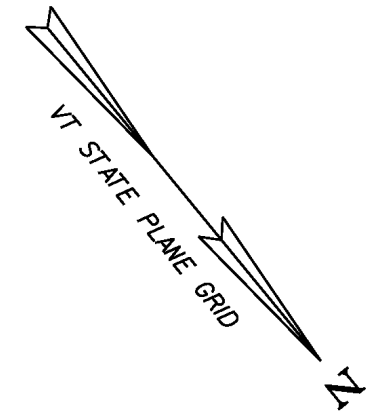
CONSTRUCT GRAVEL DRIVE (10' WIDE)
VT 14 STA 384+50.0 LT

CONSTRUCT SLOPE W/ STONE FILL, TYPE II
VT 14 STA 382+80.9 RT - VT 14 STA 386+15.0 RT

SPECIAL PROVISION (REINFORCED SOIL SLOPE) W/ STONE FILL, TYPE II
VT 14 STA 386+25.0 RT - VT 14 STA 388+00.0 RT

BOX BEAM GUARDRAIL
VT 14 STA 384+87.1 LT - VT 14 STA 387+88.8 LT
VT 14 STA 386+11.7 RT - VT 14 STA 388+00.0 RT

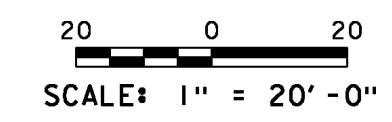
MANUFACTURED TERMINAL SECTION, TANGENT
VT 14 STA 384+73.3 LT - VT 14 STA 384+87.1 LT
VT 14 STA 385+97.5 RT - VT 14 STA 386+11.7 RT
VT 14 STA 387+88.8 LT - VT 14 STA 388+00.0 LT



BEGIN ROW PROJECT
BRS 0147 (13)
STA. 382+50.00 CL

**STOCK, ROBERT J. & PEGGY A.
CO-TRUSTEES OF THE ROBERT
J. STOCK REVOCABLE TRUST**

LINE 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.



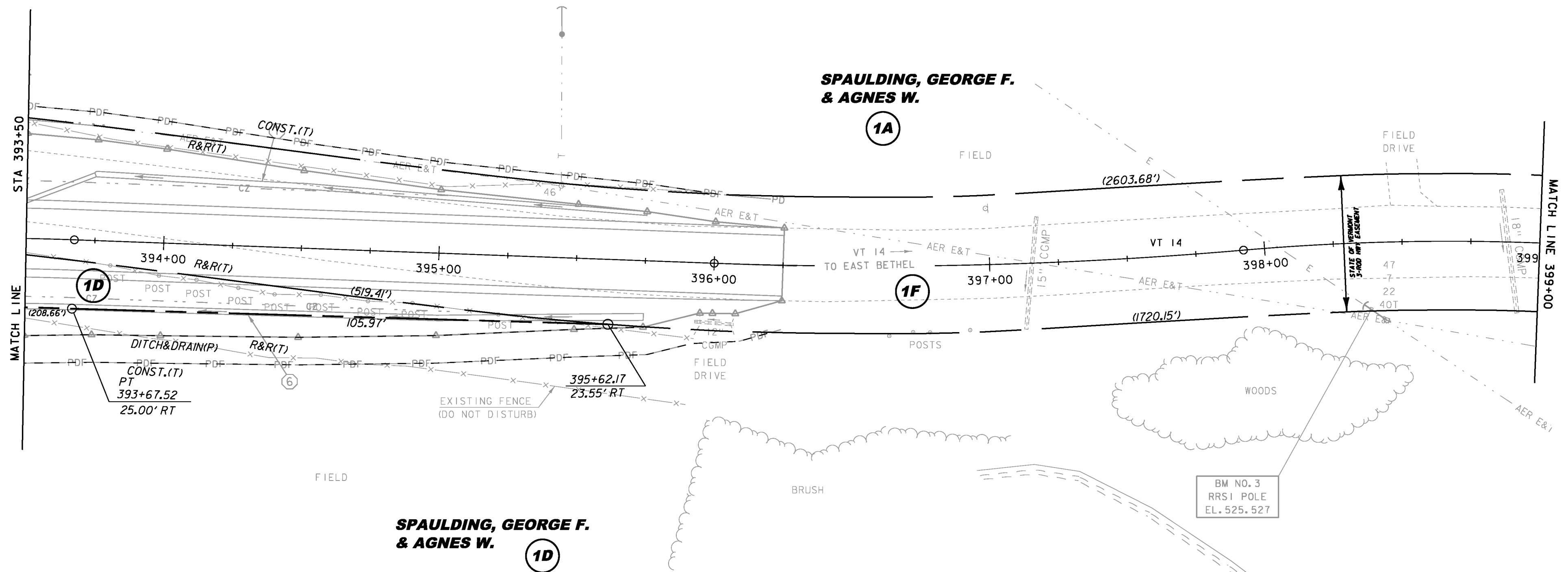
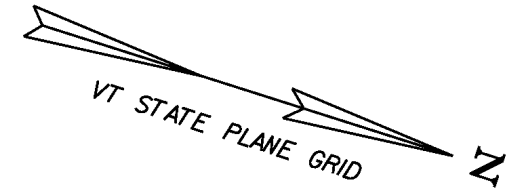
86E055	
PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(13)
FILE NAME:	BRIDGE 27 \Layout 1.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27 ROW LAYOUT SHEET (I)	
PLOT DATE:	12-APR-2017
DRAWN BY:	MR
CHECKED BY:	JB
ROW SHEET	4 OF 38

Original Drawing – Ink on Polymer meeting the requirements of 27 V.S.A. § 1403

CONSTRUCT 5' WIDE PAVED APRON
 VT 14 STA 395+82.2 RT - VT 14 STA 396+21.4 RT

REMOVAL AND DISPOSAL OF GUIDE POSTS
 VT 14 STA 393+80.9 RT
 VT 14 STA 393+98.7 RT
 VT 14 STA 394+12.4 RT
 VT 14 STA 394+27.6 RT
 VT 14 STA 394+40.9 RT
 VT 14 STA 394+57.7 RT
 VT 14 STA 394+74.9 RT
 VT 14 STA 394+91.0 RT
 VT 14 STA 395+22.4 RT

REMOVING AND RESETTING FENCE
 VT 14 STA 393+50.0 RT - VT 14 STA 394+73.3 RT
 VT 14 STA 393+50.0 RT - VT 14 STA 395+93.4 RT
 VT 14 STA 393+50.0 RT - VT 14 STA 395+95.7 LT



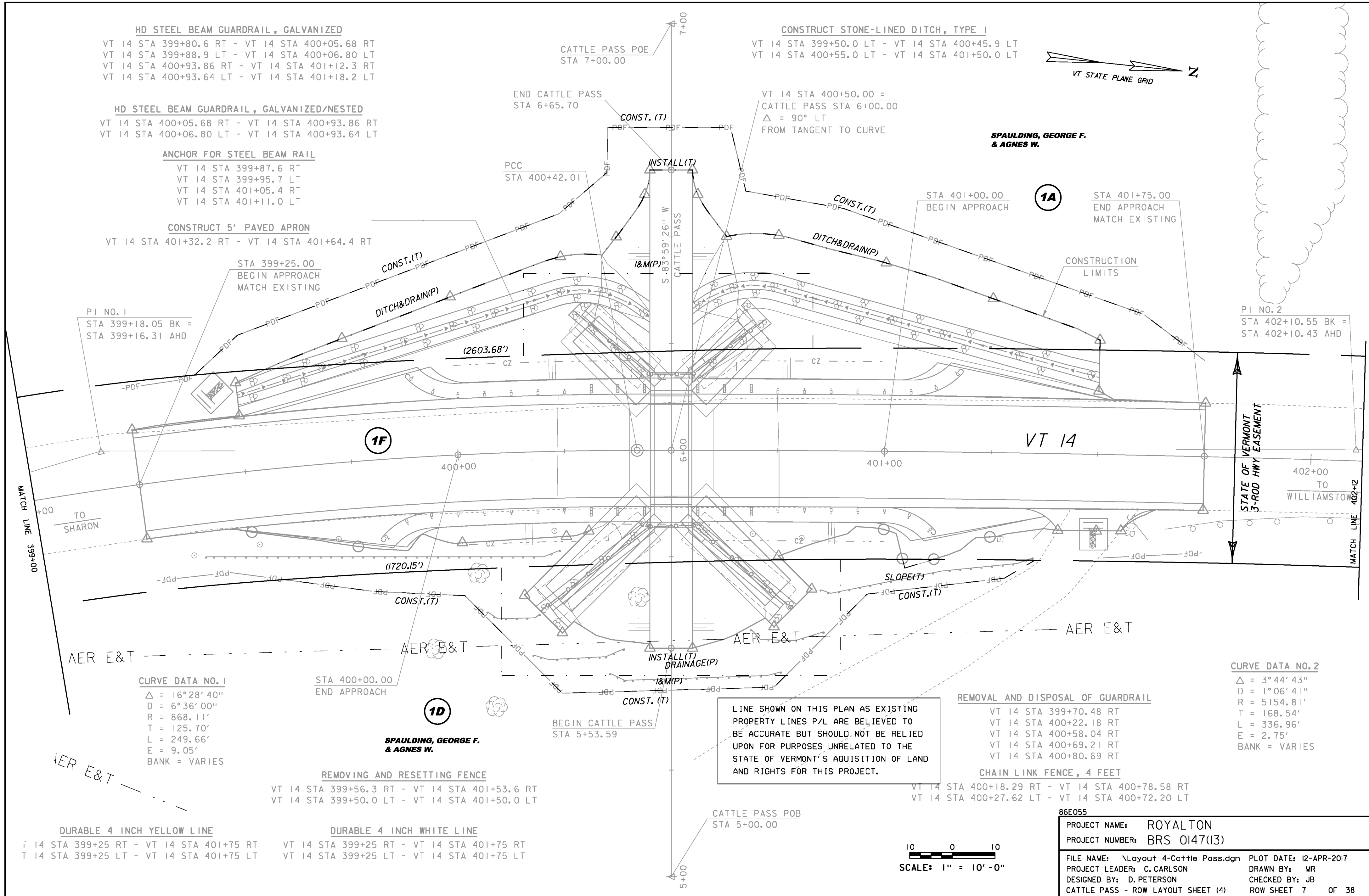
- ⑥ VT 14 STA 393+50.0 RT - VT 14 STA 395+75.0 RT
CONSTRUCT NEW GRASS-LINED DITCH
- ⑦ VT 14 STA 393+75.0 LT - VT 14 STA 395+75.0 LT
CONSTRUCT NEW GRASS-LINED DITCH

LINE 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.

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

86E055	
PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(I3)
FILE NAME:	BRIDGE 27 \Layout 3.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27 ROW LAYOUT SHEET (3)	
PLOT DATE:	12-APR-2017
DRAWN BY:	MR
CHECKED BY:	JB
ROW SHEET	6 OF 38

Original Drawing - Ink on Polymer meeting the requirements of 27 V.S.A. § 1403



HD STEEL BEAM GUARDRAIL, GALVANIZED
 VT 14 STA 399+80.6 RT - VT 14 STA 400+05.68 RT
 VT 14 STA 399+88.9 LT - VT 14 STA 400+06.80 LT
 VT 14 STA 400+93.86 RT - VT 14 STA 401+12.3 RT
 VT 14 STA 400+93.64 LT - VT 14 STA 401+18.2 LT

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 VT 14 STA 400+05.68 RT - VT 14 STA 400+93.86 RT
 VT 14 STA 400+06.80 LT - VT 14 STA 400+93.64 LT

ANCHOR FOR STEEL BEAM RAIL
 VT 14 STA 399+87.6 RT
 VT 14 STA 399+95.7 LT
 VT 14 STA 401+05.4 RT
 VT 14 STA 401+11.0 LT

CONSTRUCT 5' PAVED APRON
 VT 14 STA 401+32.2 RT - VT 14 STA 401+64.4 RT

CONSTRUCT STONE-LINED DITCH, TYPE I
 VT 14 STA 399+50.0 LT - VT 14 STA 400+45.9 LT
 VT 14 STA 400+55.0 LT - VT 14 STA 401+50.0 LT

SPAULDING, GEORGE F. & AGNES W.

1A

STA 401+00.00
 BEGIN APPROACH
 STA 401+75.00
 END APPROACH
 MATCH EXISTING

PI NO. 1
 STA 399+18.05 BK =
 STA 399+16.31 AHD

PI NO. 2
 STA 402+10.55 BK =
 STA 402+10.43 AHD

CURVE DATA NO. 1
 $\Delta = 16^\circ 28' 40''$
 $D = 6^\circ 36' 00''$
 $R = 868.11'$
 $T = 125.70'$
 $L = 249.66'$
 $E = 9.05'$
 BANK = VARIES

CURVE DATA NO. 2
 $\Delta = 3^\circ 44' 43''$
 $D = 1^\circ 06' 41''$
 $R = 5154.81'$
 $L = 168.54'$
 $T = 336.96'$
 $E = 2.75'$
 BANK = VARIES

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 PROPERTY LINES P/L ARE BELIEVED TO
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 AND RIGHTS FOR THIS PROJECT.

REMOVAL AND DISPOSAL OF GUARDRAIL

VT 14 STA 399+70.48 RT
 VT 14 STA 400+22.18 RT
 VT 14 STA 400+58.04 RT
 VT 14 STA 400+69.21 RT
 VT 14 STA 400+80.69 RT

CHAIN LINK FENCE, 4 FEET

VT 14 STA 400+18.29 RT - VT 14 STA 400+78.58 RT
 VT 14 STA 400+27.62 LT - VT 14 STA 400+72.20 LT

REMOVING AND RESETTING FENCE
 VT 14 STA 399+56.3 RT - VT 14 STA 401+53.6 RT
 VT 14 STA 399+50.0 LT - VT 14 STA 401+50.0 LT

SPAULDING, GEORGE F. & AGNES W.

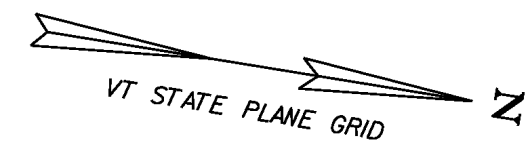
DURABLE 4 INCH YELLOW LINE
 RT 14 STA 399+25 RT - VT 14 STA 401+75 RT
 LT 14 STA 399+25 LT - VT 14 STA 401+75 LT

DURABLE 4 INCH WHITE LINE
 RT 14 STA 399+25 RT - VT 14 STA 401+75 RT
 LT 14 STA 399+25 LT - VT 14 STA 401+75 LT

SCALE: 1" = 10' - 0"

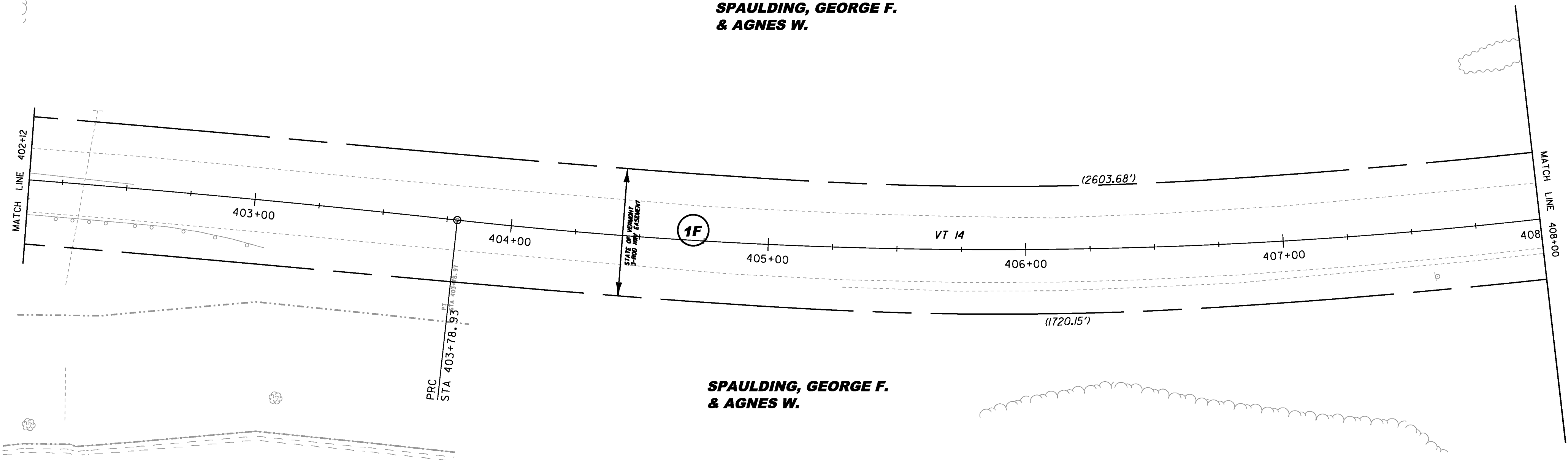
86E055	
PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(I3)
FILE NAME:	\Layout 4-Cattle Pass.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
CATTLE PASS - ROW LAYOUT SHEET (4)	
PLOT DATE:	12-APR-2017
DRAWN BY:	MR
CHECKED BY:	JB
ROW SHEET	7 OF 38

Original Drawing – Ink on Polymer meeting the requirements of 27 V.S.A. § 1403

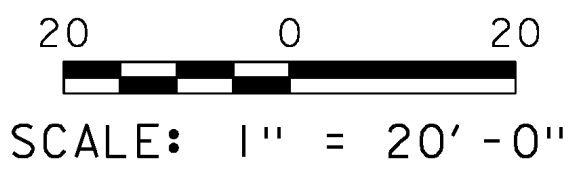


**SPAULDING, GEORGE F.
& AGNES W.**

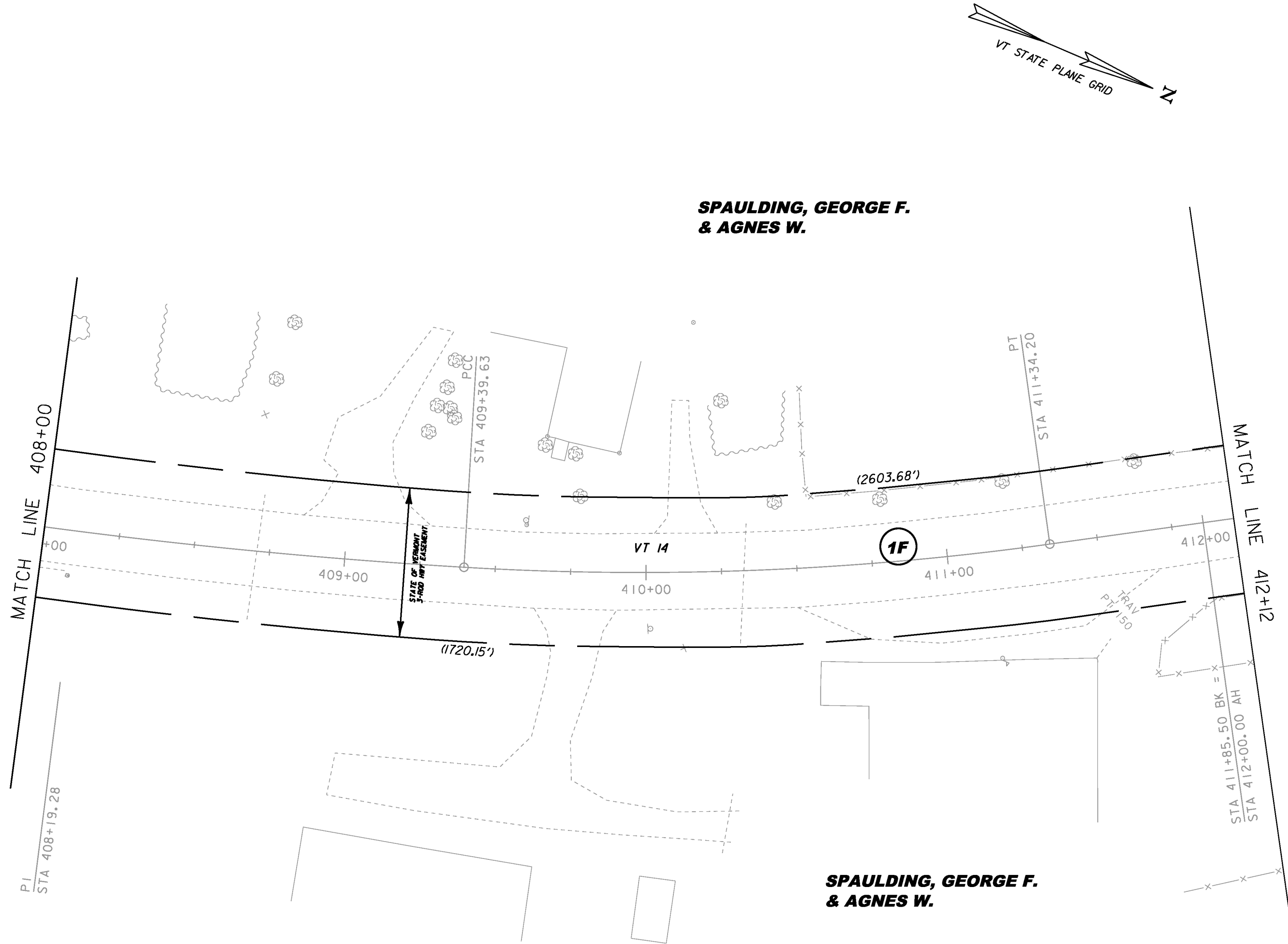
**SPAULDING, GEORGE F.
& AGNES W.**



LINE SHOWN ON THIS PLAN AS EXISTING
PROPERTY LINES P/L ARE BELIEVED TO
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AND RIGHTS FOR THIS PROJECT.



86E055	
PROJECT NAME: ROYALTON	
PROJECT NUMBER: BRS 0147(13)	
FILE NAME: \Layout 5.dgn	PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON	DRAWN BY: MR
DESIGNED BY: D. PETERSON	CHECKED BY: JB
ROW LAYOUT SHEET (5)	ROW SHEET 8 OF 38

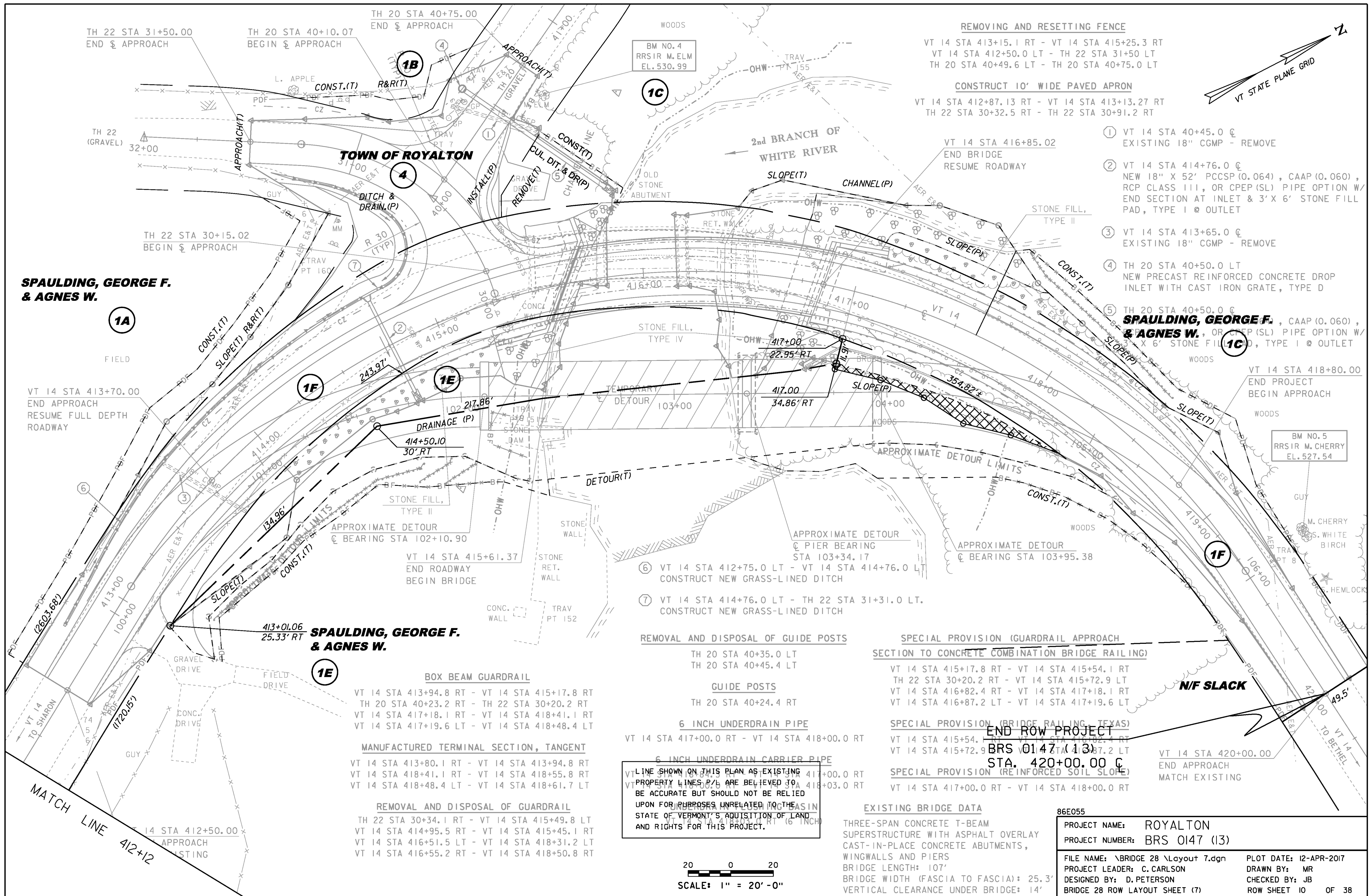


LINE SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

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

86E055	
PROJECT NAME: ROYALTON	
PROJECT NUMBER: BRS 0147(13)	
FILE NAME: \Layout 6.dgn	PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON	DRAWN BY: MR
DESIGNED BY: D. PETERSON	CHECKED BY: JB
ROW LAYOUT SHEET (6)	ROW SHEET 9 OF 38

Original Drawing - Ink on Polymer meeting the requirements of 27 V.S.A. § 1403



SPAULDING, GEORGE F. & AGNES W.

SPAULDING, GEORGE F. & AGNES W.

SPAULDING, GEORGE F. & AGNES W.

REMOVING AND RESETTING FENCE
 VT 14 STA 413+15.1 RT - VT 14 STA 415+25.3 RT
 VT 14 STA 412+50.0 LT - TH 22 STA 31+50 LT
 TH 20 STA 40+49.6 LT - TH 20 STA 40+75.0 LT

CONSTRUCT 10' WIDE PAVED APRON
 VT 14 STA 412+87.13 RT - VT 14 STA 413+13.27 RT
 TH 22 STA 30+32.5 RT - TH 22 STA 30+91.2 RT

- ① VT 14 STA 40+45.0 @ EXISTING 18" CGMP - REMOVE
- ② VT 14 STA 414+76.0 @ NEW 18" X 52' PCCSP (0.064), CAAP (0.060), RCP CLASS III, OR CPEP (SL) PIPE OPTION W/ END SECTION AT INLET & 3' X 6' STONE FILL PAD, TYPE I @ OUTLET
- ③ VT 14 STA 413+65.0 @ EXISTING 18" CGMP - REMOVE
- ④ TH 20 STA 40+50.0 LT NEW PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE, TYPE D
- ⑤ TH 20 STA 40+50.0 @ **SPAULDING, GEORGE F. & AGNES W.**, CAAP (0.060), RCP CLASS III, OR CPEP (SL) PIPE OPTION W/ 3' X 6' STONE FILL PAD, TYPE I @ OUTLET

- ⑥ VT 14 STA 412+75.0 LT - VT 14 STA 414+76.0 LT CONSTRUCT NEW GRASS-LINED DITCH
- ⑦ VT 14 STA 414+76.0 LT - TH 22 STA 31+31.0 LT. CONSTRUCT NEW GRASS-LINED DITCH

REMOVAL AND DISPOSAL OF GUIDE POSTS
 TH 20 STA 40+35.0 LT
 TH 20 STA 40+45.4 LT

GUIDE POSTS
 TH 20 STA 40+24.4 RT

6 INCH UNDERDRAIN PIPE
 VT 14 STA 417+00.0 RT - VT 14 STA 418+00.0 RT

6 INCH UNDERDRAIN CARRIER PIPE
 VT 14 STA 417+00.0 RT - VT 14 STA 418+00.0 RT

LINE SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES 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.

SPECIAL PROVISION (GUARDRAIL APPROACH SECTION TO CONCRETE COMBINATION BRIDGE RAILING)
 VT 14 STA 415+17.8 RT - VT 14 STA 415+54.1 RT
 TH 22 STA 30+20.2 RT - VT 14 STA 415+72.9 LT
 VT 14 STA 416+82.4 RT - VT 14 STA 417+18.1 RT
 VT 14 STA 416+87.2 LT - VT 14 STA 417+19.6 LT

SPECIAL PROVISION (BRIDGE RAILING - TEXAS)
 VT 14 STA 415+54.1 RT - VT 14 STA 416+82.4 RT
 VT 14 STA 415+72.9 LT - VT 14 STA 416+87.2 LT

SPECIAL PROVISION (REINFORCED SOIL SLOPE)
 VT 14 STA 417+00.0 RT - VT 14 STA 418+00.0 RT

EXISTING BRIDGE DATA
 THREE-SPAN CONCRETE T-BEAM SUPERSTRUCTURE WITH ASPHALT OVERLAY
 CAST-IN-PLACE CONCRETE ABUTMENTS, WINGWALLS AND PIERS
 BRIDGE LENGTH: 107'
 BRIDGE WIDTH (FASCIA TO FASCIA): 25.3'
 VERTICAL CLEARANCE UNDER BRIDGE: 14'

86E055	PROJECT NAME: ROYALTON	FILE NAME: \BRIDGE 28 \Layout 7.dgn	PLOT DATE: 12-APR-2017
	PROJECT NUMBER: BRS 0147 (13)	PROJECT LEADER: C. CARLSON	DRAWN BY: MR
		DESIGNED BY: D. PETERSON	CHECKED BY: JB
		BRIDGE 28 ROW LAYOUT SHEET (7)	ROW SHEET 10 OF 38

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

GPS CONTROL POINTS

HVCTRL #1

STANDARD DISK STAMPED
Spaulding Az Mk
N = 490047.972
E = 1616877.024
ELEV. = 655.248

GENERAL LOCATION, ROYALTON, VT. OWNERSHIP, GEORGE AND AGNES SPAULDING, 7783 VT RTE 14, SOUTH ROYALTON, VT 05068. TO REACH FROM THE INTERSECTION OF VT ROUTE 14 AND VT ROUTE 107 IN NORTH ROYALTON GO NORTH ALONG VT ROUTE 14 FOR 2.0 MI (3.2 KM) TO THE INTERSECTION OF MORSE ROAD (TH 20) STRAIGHT, WATERMAN ROAD (TH 22) LEFT, AND VT ROUTE 14 RIGHT. TURN LEFT AND GO SOUTHWEST AND SOUTH ALONG WATERMAN ROAD FOR 0.3 MI (0.5 KM) TO A GATE IN A WIRE FENCE LINE AND THE SITE OF THE MARK ON THE LEFT IN A FIELD. THE MARK IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A LOW LYING ROCK OUTCROP. IT IS 9.8 M (32.2 FT) EAST OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE CENTERLINE OF WATERMAN ROAD, 25.6 M (84.0 FT) NORTH NORTHEAST OF A 25 CM TRIPLE TRUNK APPLE, 5.5 M (18.0 FT) NORTHEAST OF THE MOST NORTHERLY GATE POST, AND 5.2 M (17.1 FT) EAST OF THE WIRE FENCE AND A FIBERGLASS WITNESS POST.

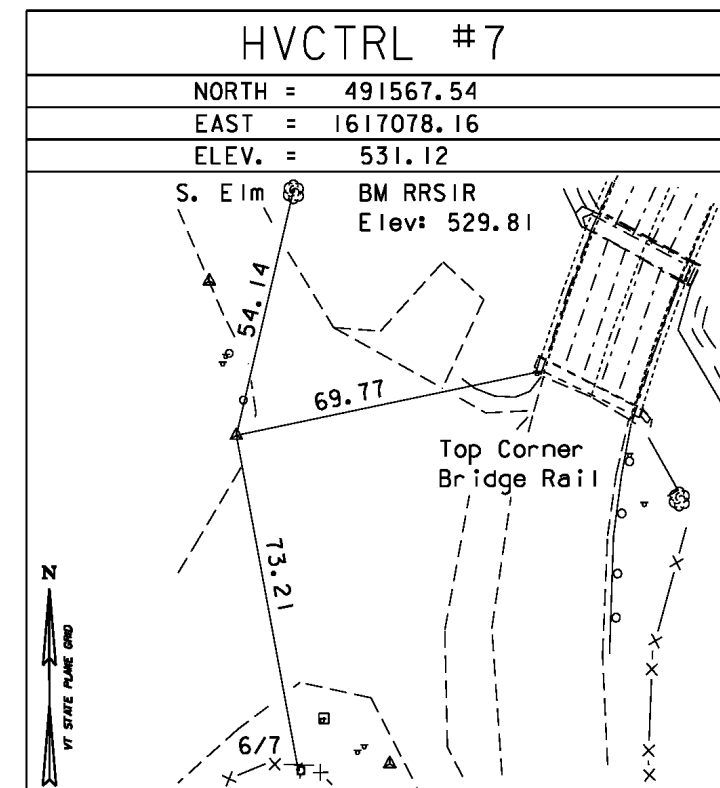
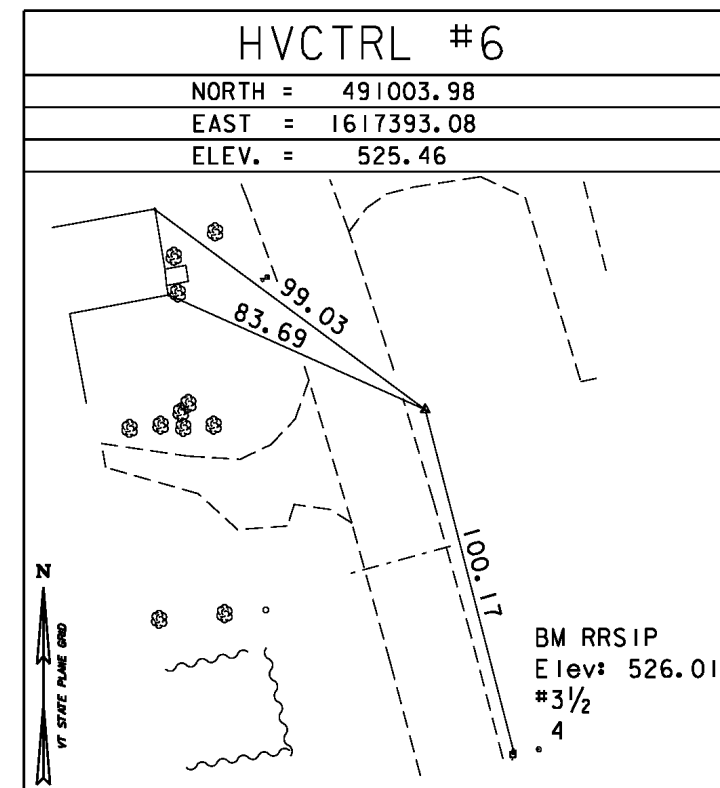
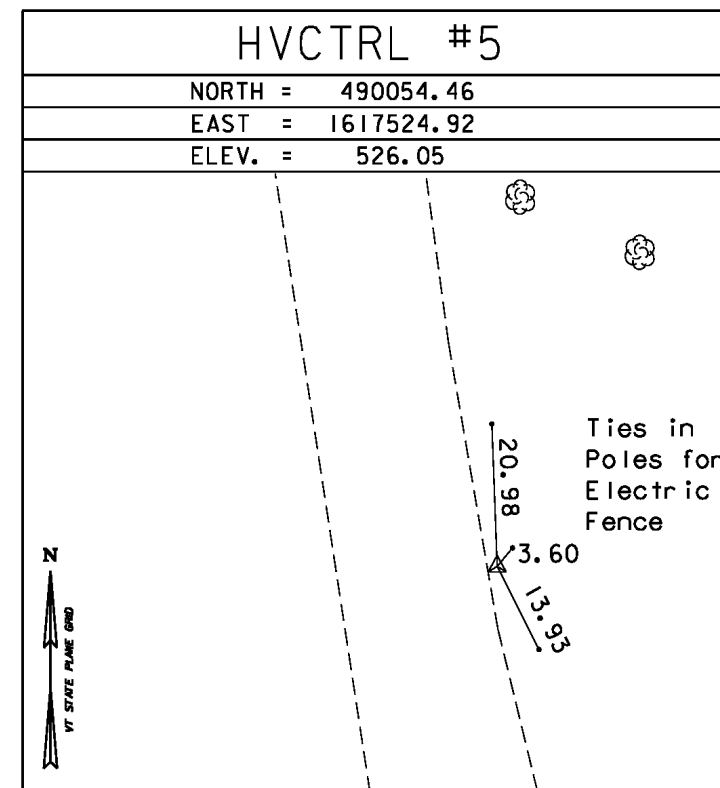
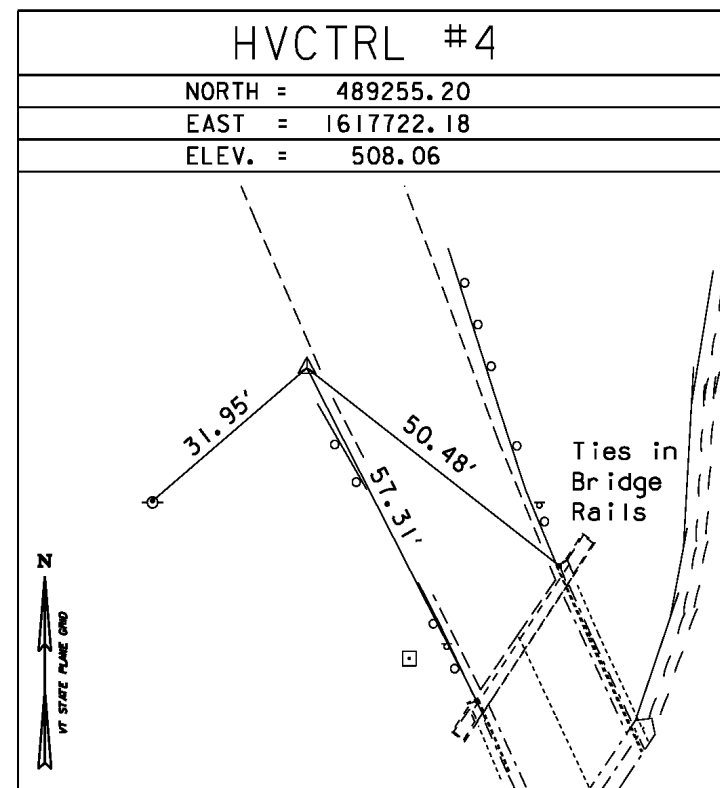
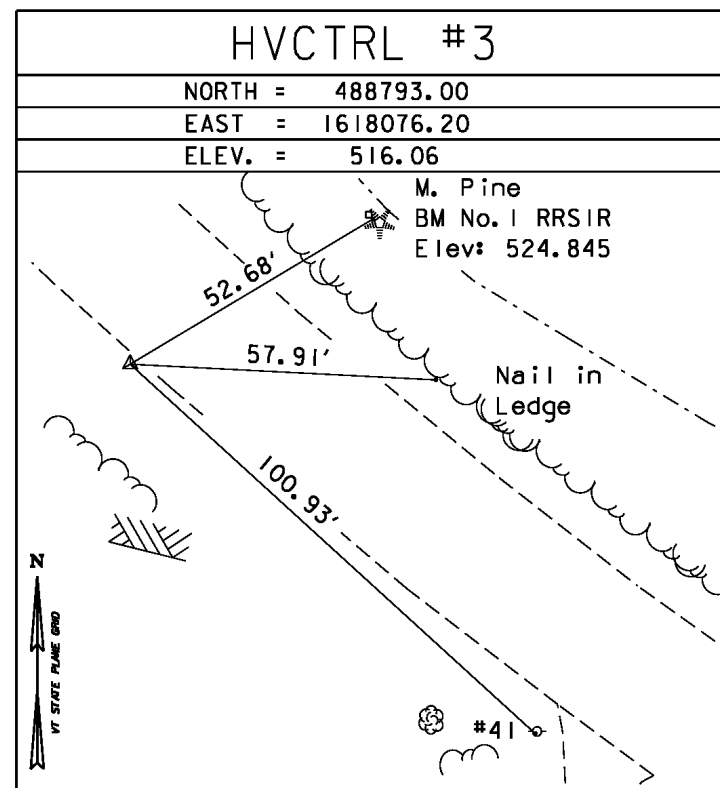
• DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT

HVCTRL #2

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Spaulding
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E = 1617960.788
ELEV. = 502.952

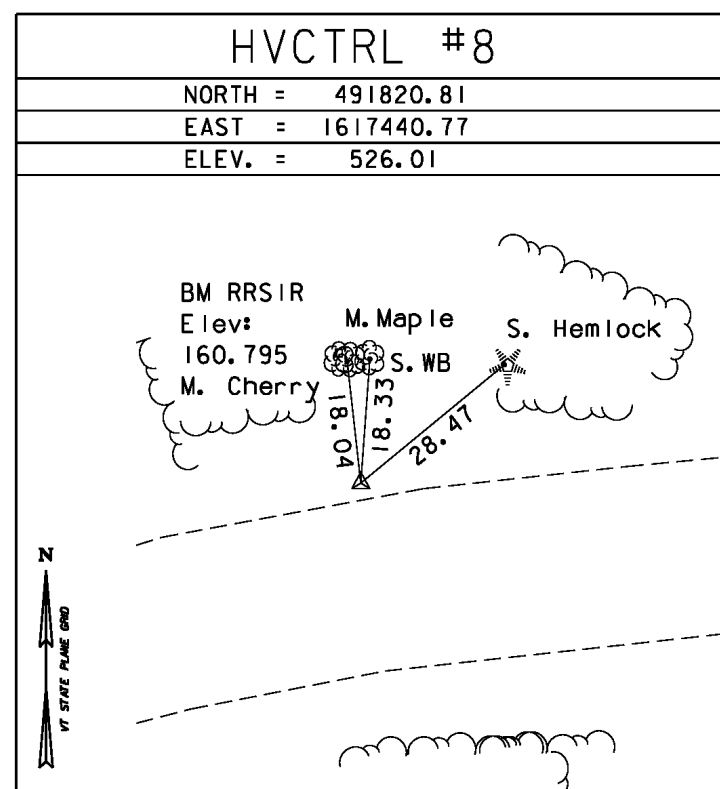
GENERAL LOCATION, ROYALTON, VT. -OWNERSHIP, GEORGE AND AGNES SPAULDING, 7783 VT RTE 14, SOUTH ROYALTON, VT 05068. TO REACH FROM THE INTERSECTION OF VT ROUTE 14 AND VT ROUTE 107 IN NORTH ROYALTON GO NORTH ALONG VT ROUTE 14 FOR 1.5 MI (2.4 KM) TO THE SITE OF THE MARK ON THE LEFT. IT IS ABOUT 95 M (311.7 FT) SOUTH OF THE SOUTH END OF A CONCRETE BRIDGE OVER THE SECOND BRANCH OF THE WHITE RIVER. THE MARK IS SET ABOUT 0.3 M (1.0 FT) ABOVE GROUND SURFACE IN THE TOP OF A MASSIVE ROCK OUTCROP. IT IS 15.5 M (50.9 FT) WEST NORTHWEST OF AND ABOUT 2.5 M (8.2 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 14, 11.2 M (36.7 FT) NORTH NORTHEAST OF A 10 CM PINE, 3.9 M (12.8 FT) NORTH OF A GUY ANCHOR, AND 4.7 M (15.4 FT) WEST OF POLE NO 42 AND A FIBERGLASS WITNESS POST.

TRAVERSE TIES

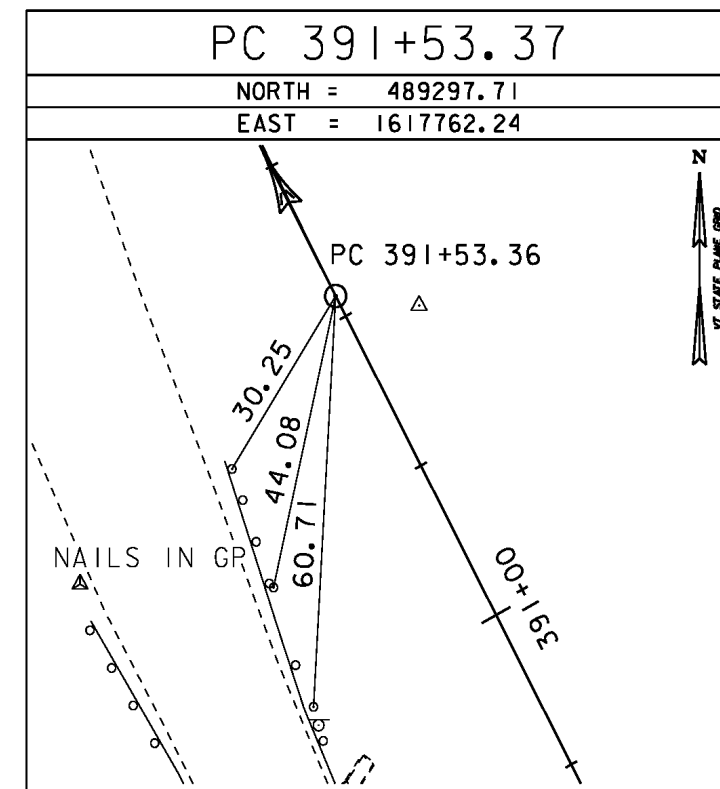
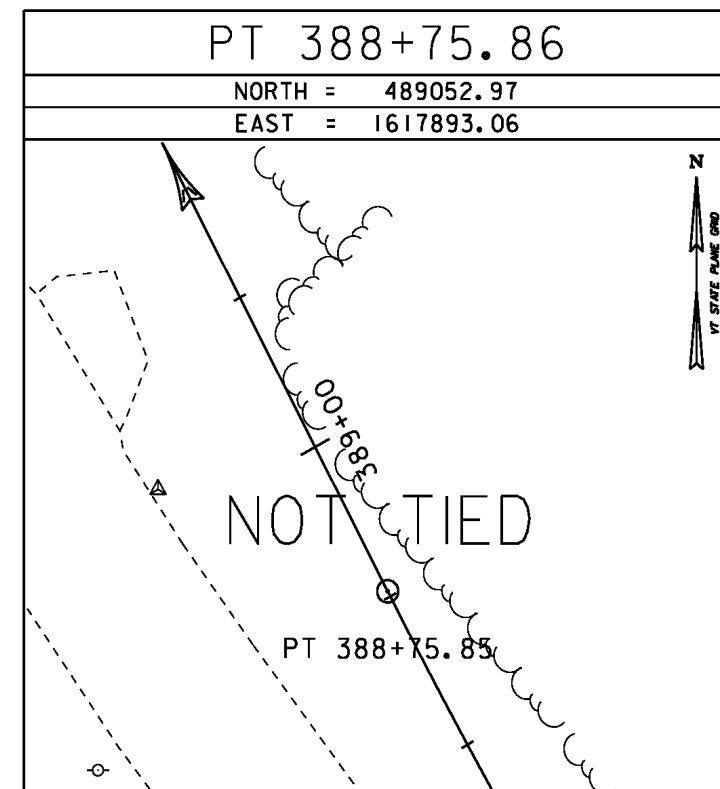
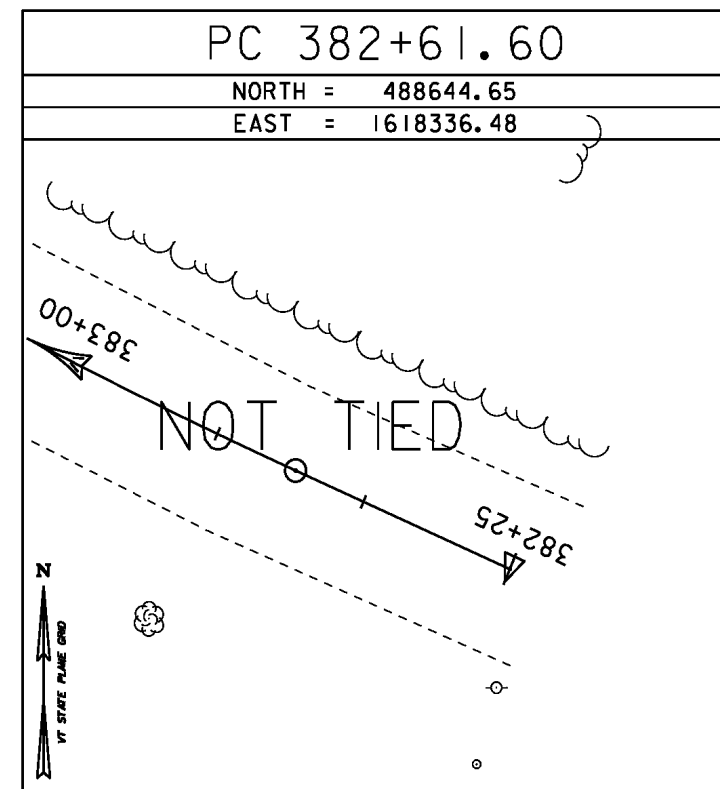
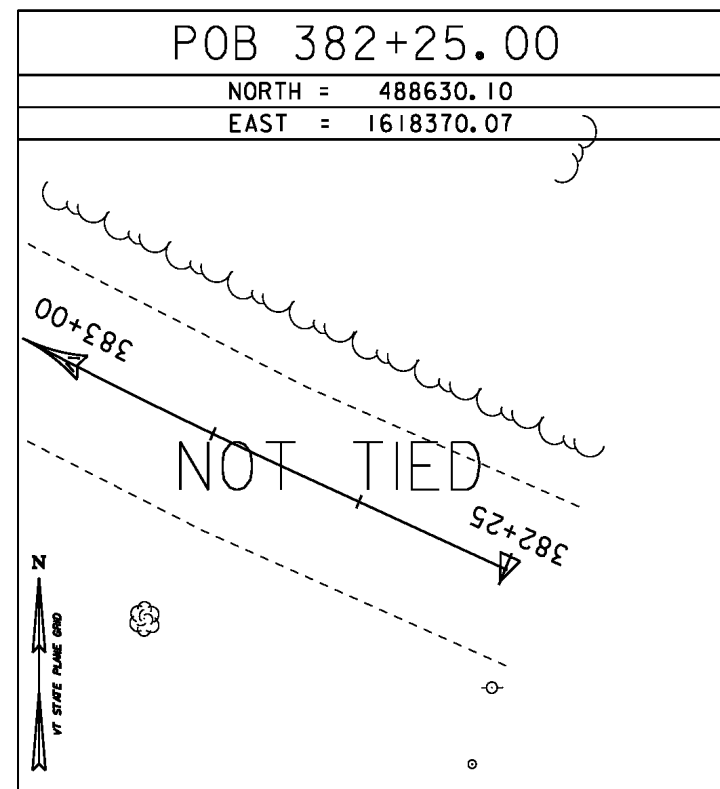


* MAIN TRAVERSE COMPLETED July 16,2001 Richard Gilman P.C. Paul Winters

TRAVERSE TIES



ALIGNMENT TIES

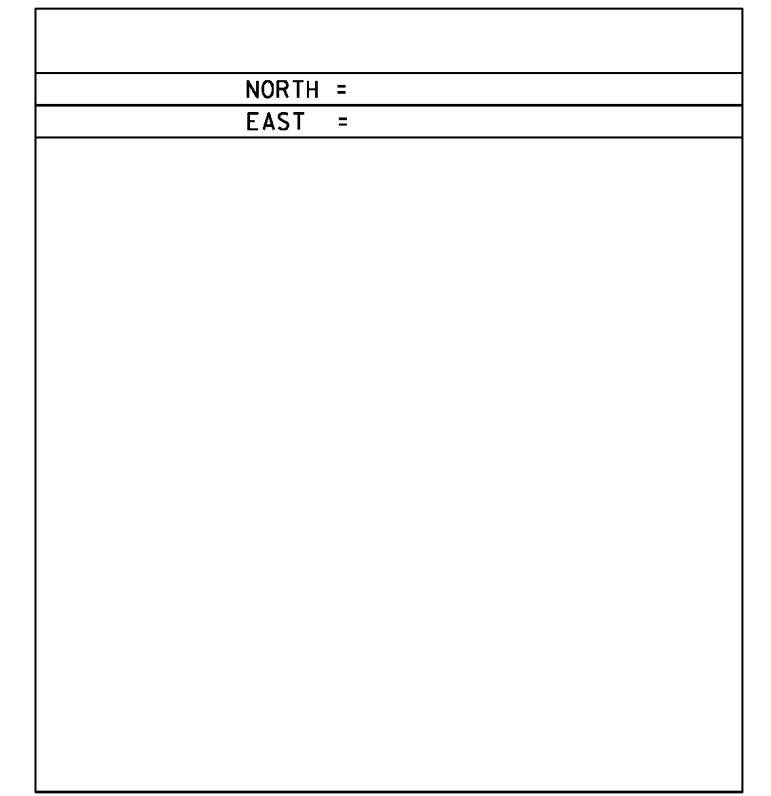
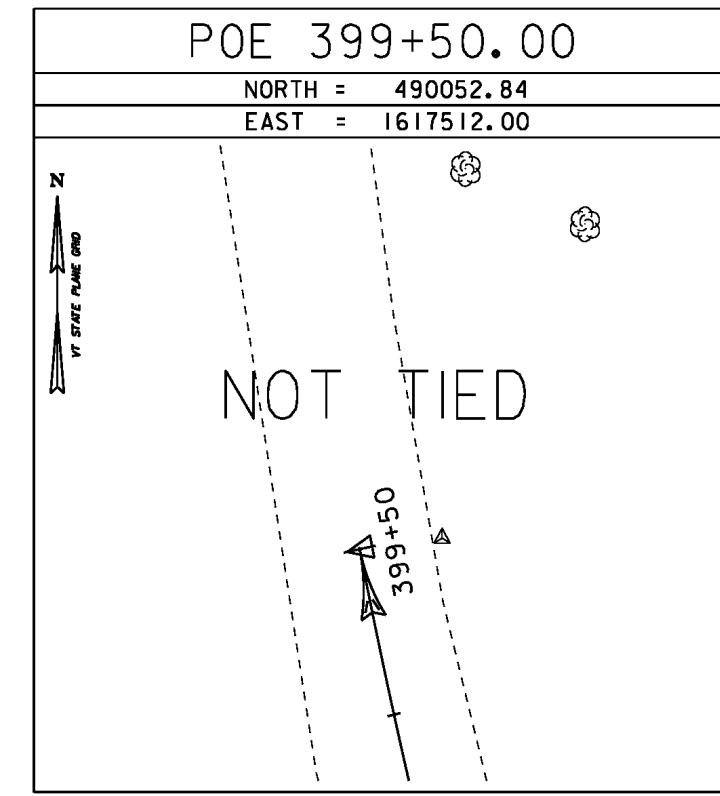
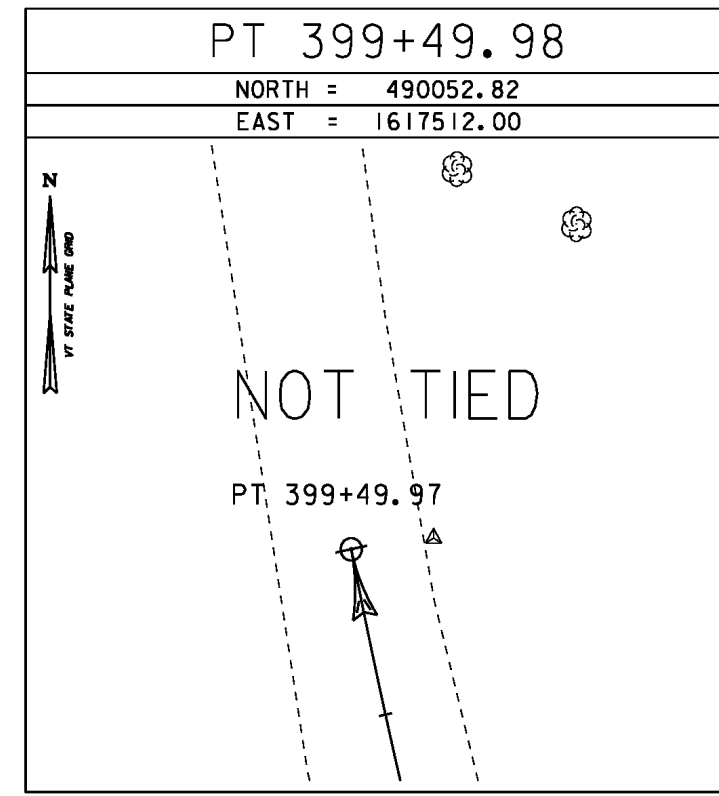
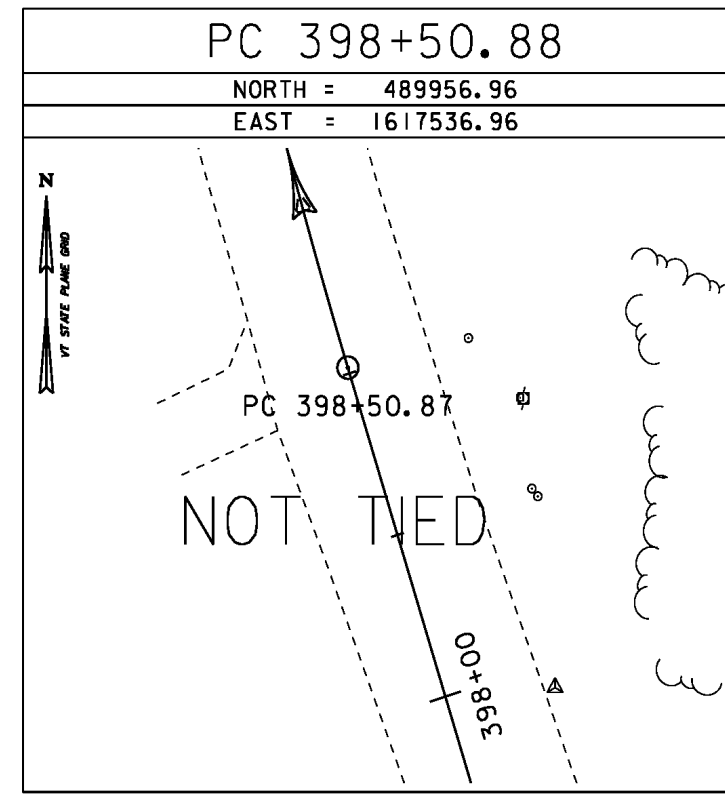
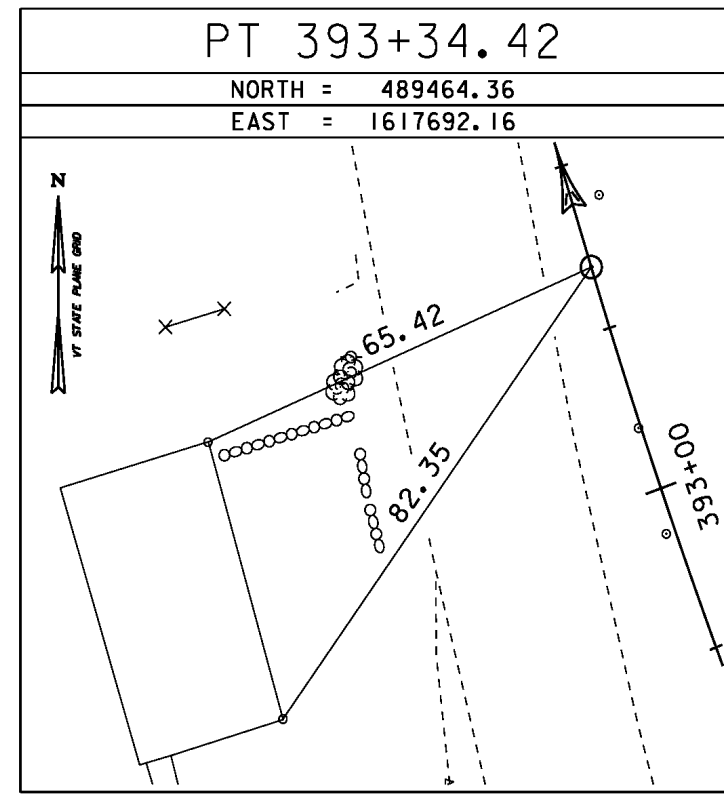


* Alignment Staked 06/05/06 by R.Gilman P.C. & P. Winters

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

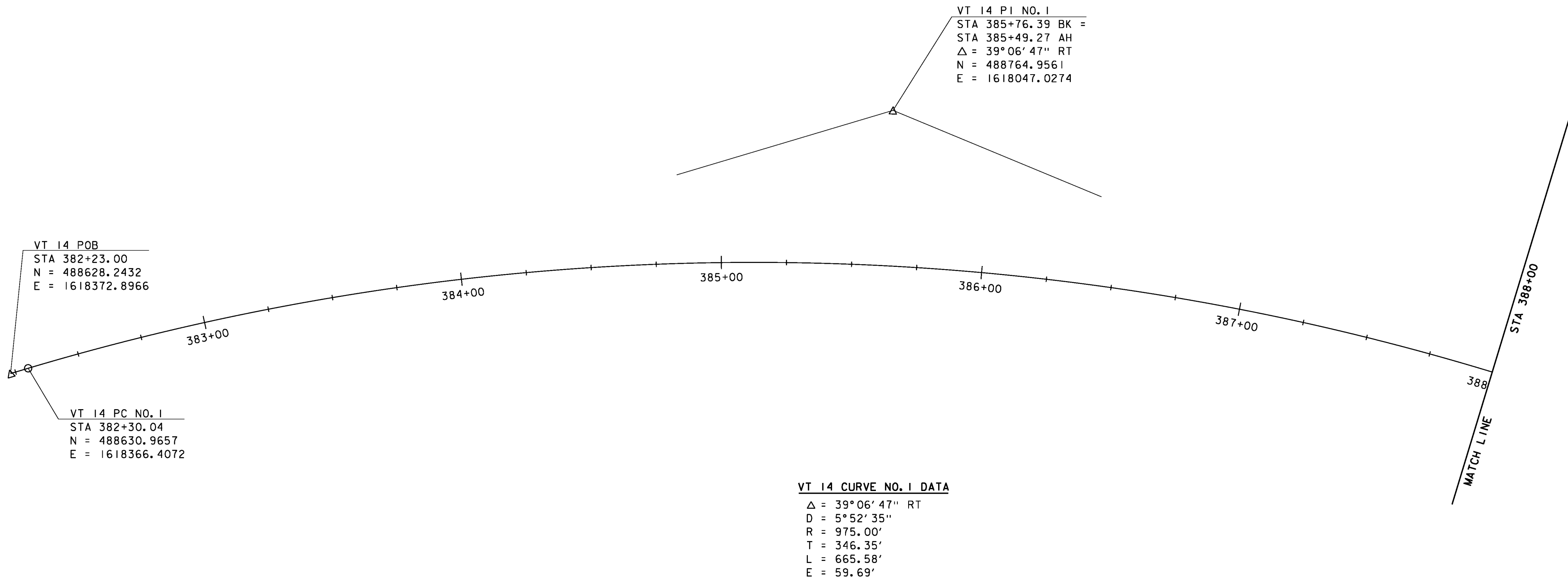
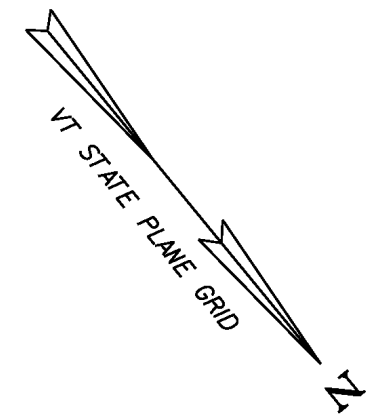
PROJECT NAME:	Royalton
PROJECT NUMBER:	BRS 0147 (13)
FILE NAME:	86e055\survey\86e055t1.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27	TIE SHEET (1)
PLOT DATE:	12-APR-2017
DRAWN BY:	R. Bullock
CHECKED BY:	C. CARLSON
	ROW SHEET 19 OF 38

ALIGNMENT TIES



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

PROJECT NAME: Roylton	
PROJECT NUMBER: BRS 0147 (13)	
FILE NAME: 86e055\survey\86e055t1.dgn	PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON	DRAWN BY: R. Bullock
DESIGNED BY: D. PETERSON	CHECKED BY: C. CARLSON
Bridge 27	TIE SHEET (2) ROW SHEET 20 OF 38



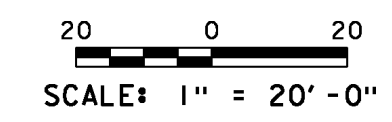
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 STA 382+23.00
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 E = 1618372.8966

VT 14 PC NO. 1
 STA 382+30.04
 N = 488630.9657
 E = 1618366.4072

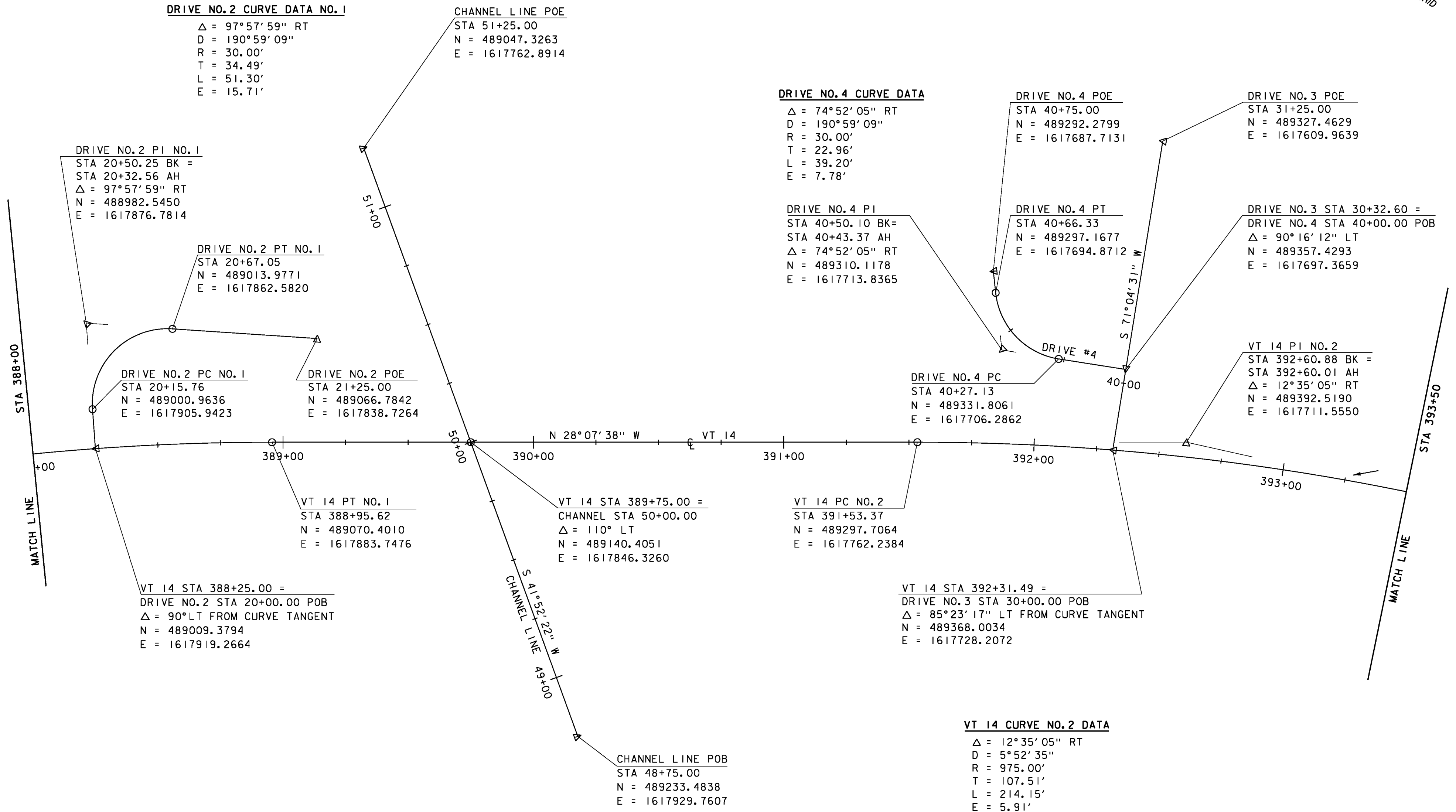
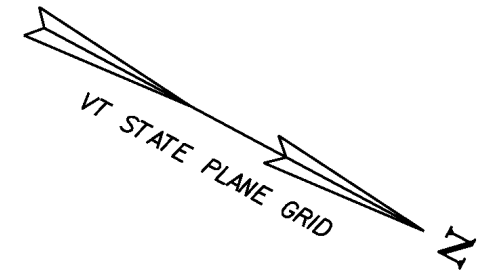
VT 14 PI NO. 1
 STA 385+76.39 BK =
 STA 385+49.27 AH
 $\Delta = 39^\circ 06' 47''$ RT
 N = 488764.9561
 E = 1618047.0274

VT 14 CURVE NO. 1 DATA
 $\Delta = 39^\circ 06' 47''$ RT
 D = $5^\circ 52' 35''$
 R = 975.00'
 T = 346.35'
 L = 665.58'
 E = 59.69'

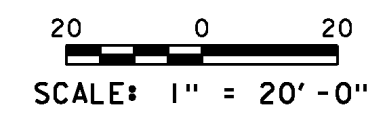
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	Compass



PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(13)
FILE NAME:	\BR 27\s86e055alnldr_27.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27 ALIGNMENT LAYOUT (1)	ROW SHEET 24 OF 38
PLOT DATE:	12-APR-2017
DRAWN BY:	L. BULLOCK
CHECKED BY:	C. CARLSON

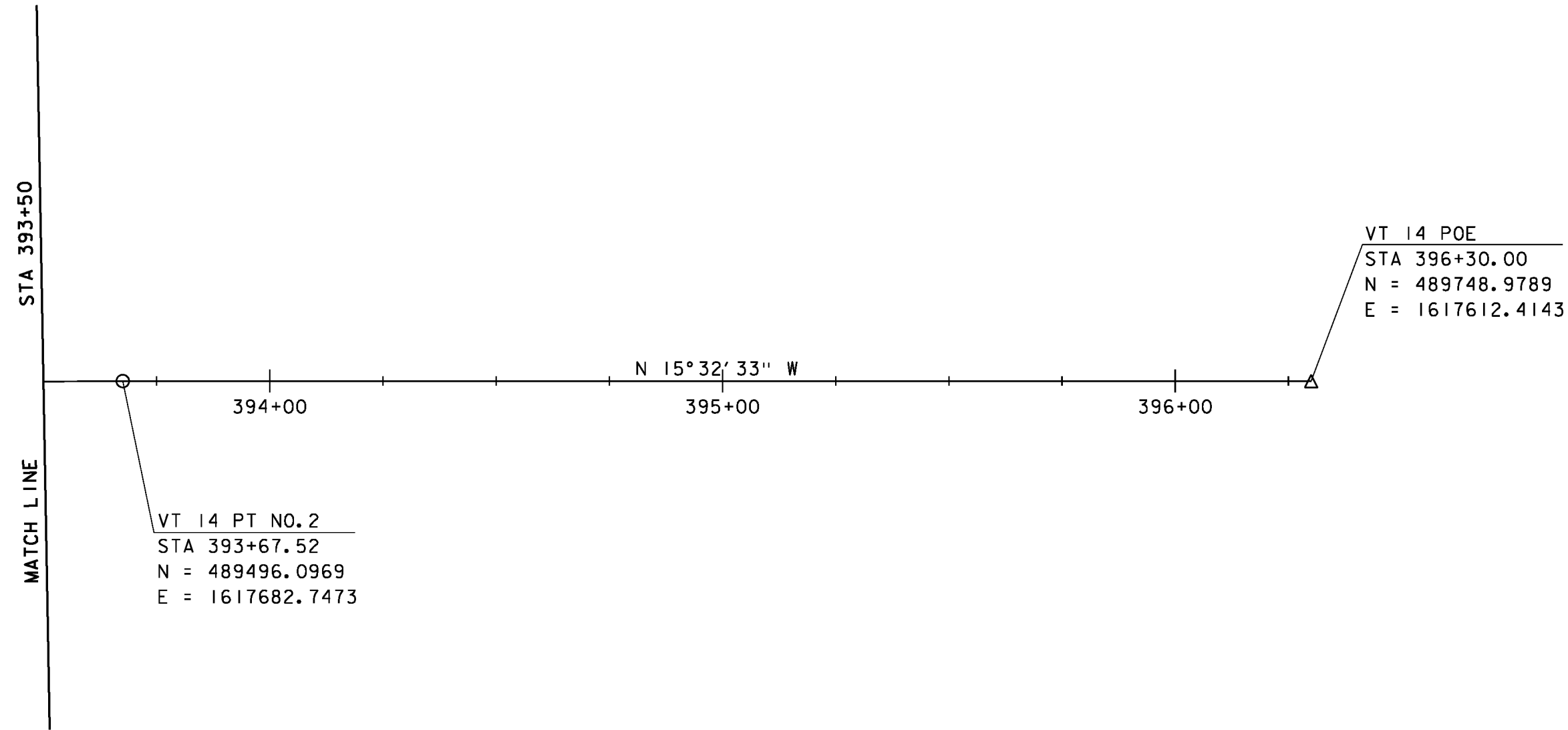
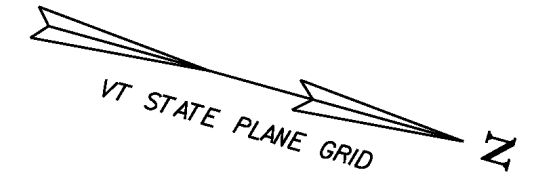


DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	Compass

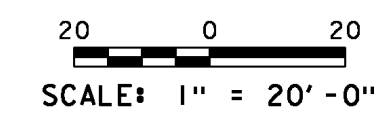


PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(I3)
FILE NAME:	BR 27\86e055alnldr_27.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27 ALIGNMENT LAYOUT (2)	
PLOT DATE:	12-APR-2017
DRAWN BY:	L. BULLOCK
CHECKED BY:	C. CARLSON
ROW SHEET	25 OF 38

Original Drawing – Ink on Polymer meeting the requirements of 27 V.S.A. § 1403



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



PROJECT NAME:	ROYALTON
PROJECT NUMBER:	BRS 0147(13)
FILE NAME:	\BR 27\s86e055alnldr_27.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	D. PETERSON
BRIDGE 27 ALIGNMENT LAYOUT (3)	
PLOT DATE:	12-APR-2017
DRAWN BY:	L. BULLOCK
CHECKED BY:	C. CARLSON
ROW SHEET	26 OF 38

GPS CONTROL POINTS

HVCTRL #1

STANDARD DISK STAMPED
Spaulding Az Mk
N = 490047.972
E = 1616877.024
ELEV. = 655.248

GENERAL LOCATION, ROYALTON, VT. OWNERSHIP, GEORGE AND AGNES SPAULDING, 7783 VT RTE 14, SOUTH ROYALTON, VT 05068. TO REACH FROM THE INTERSECTION OF VT ROUTE 14 AND VT ROUTE 107 IN NORTH ROYALTON GO NORTH ALONG VT ROUTE 14 FOR 2.0 MI (3.2 KM) TO THE INTERSECTION OF MORSE ROAD (TH 20) STRAIGHT, WATERMAN ROAD (TH 22) LEFT, AND VT ROUTE 14 RIGHT. TURN LEFT AND GO SOUTHWEST AND SOUTH ALONG WATERMAN ROAD FOR 0.3 MI (0.5 KM) TO A GATE IN A WIRE FENCE LINE AND THE SITE OF THE MARK ON THE LEFT IN A FIELD. THE MARK IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A LOW LYING ROCK OUTCROP. IT IS 9.8 M (32.2 FT) EAST OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE CENTERLINE OF WATERMAN ROAD, 25.6 M (84.0 FT) NORTH NORTHEAST OF A 25 CM TRIPLE TRUNK APPLE, 5.5 M (18.0 FT) NORTHEAST OF THE MOST NORTHERLY GATE POST, AND 5.2 M (17.1 FT) EAST OF THE WIRE FENCE AND A FIBERGLASS WITNESS POST.

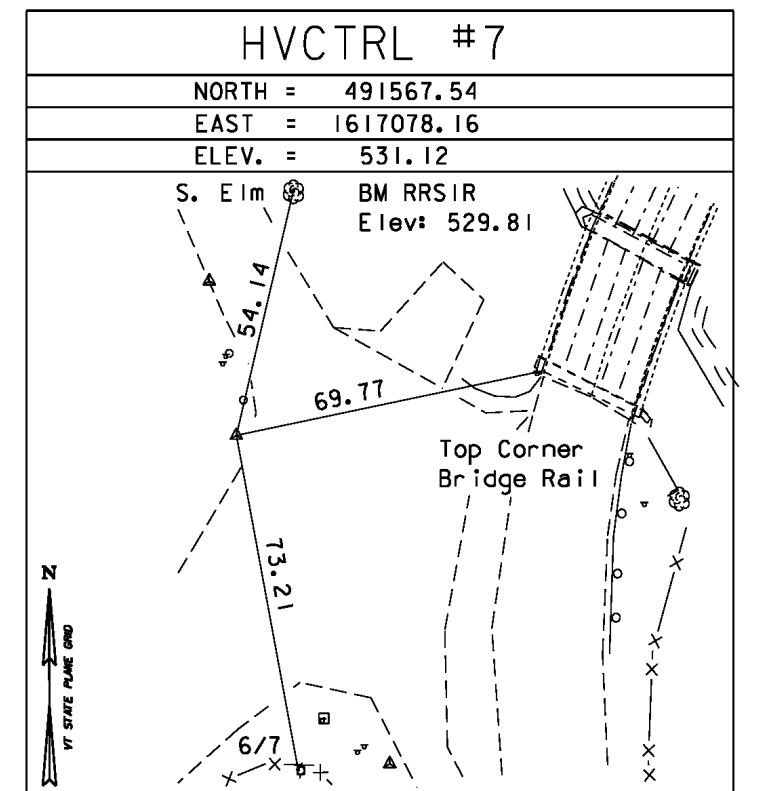
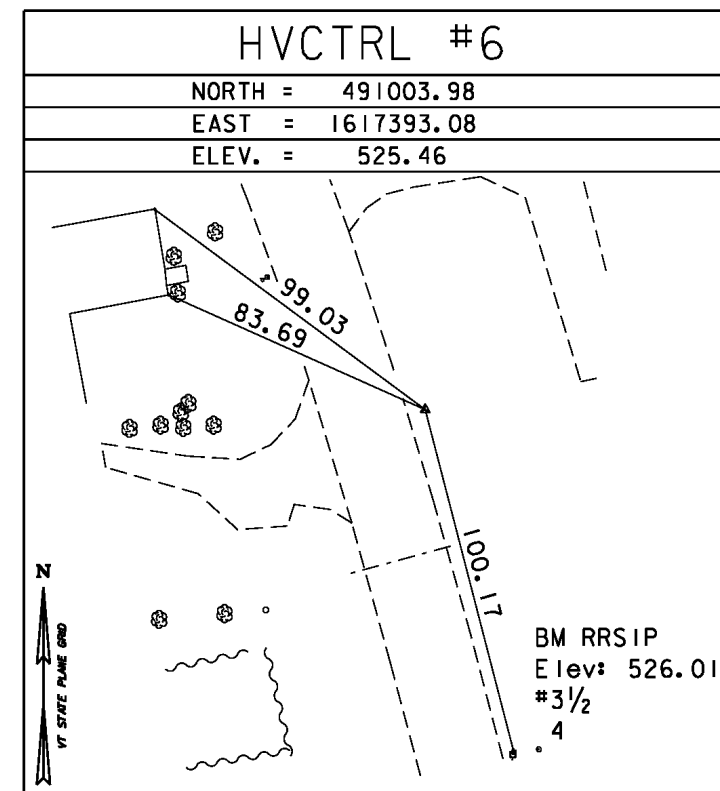
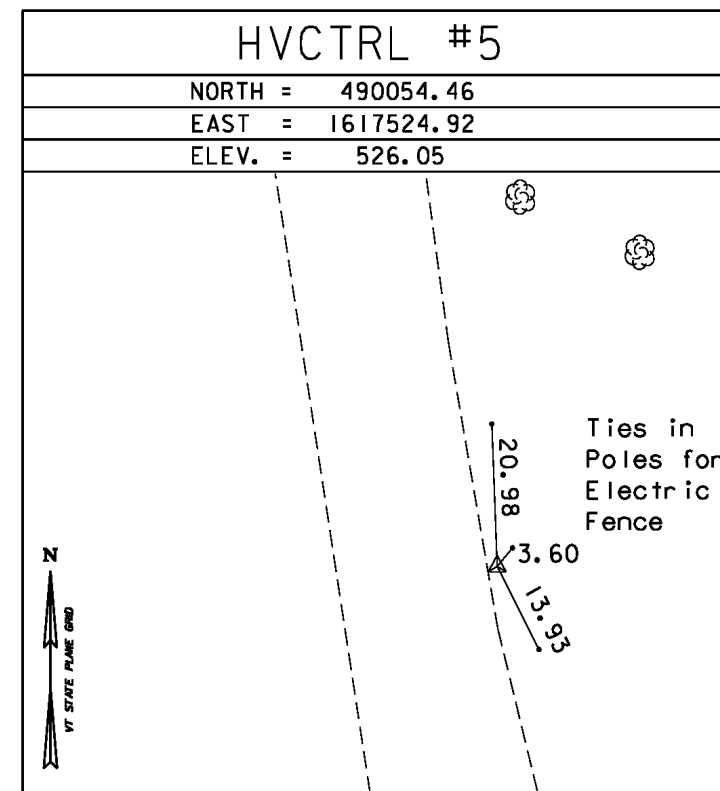
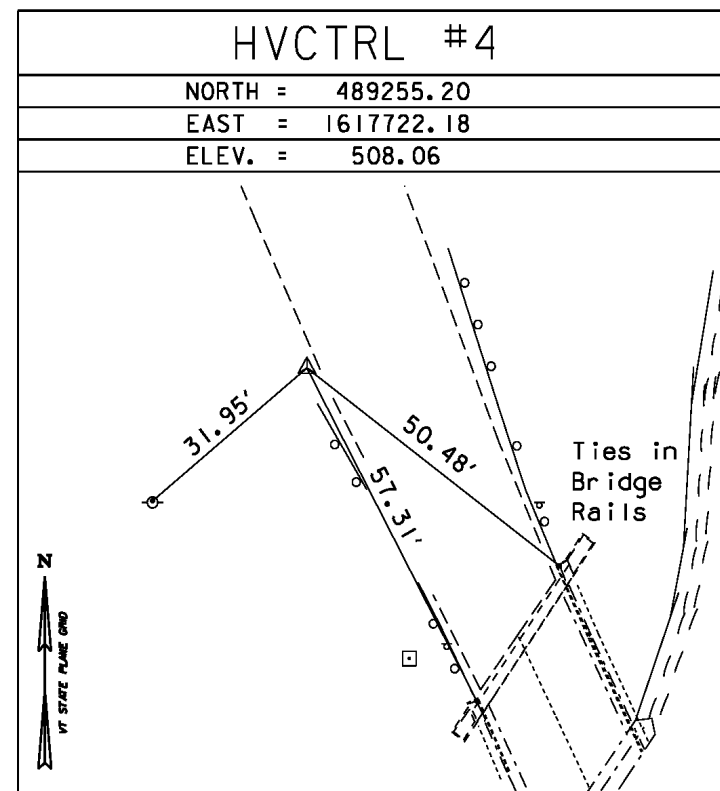
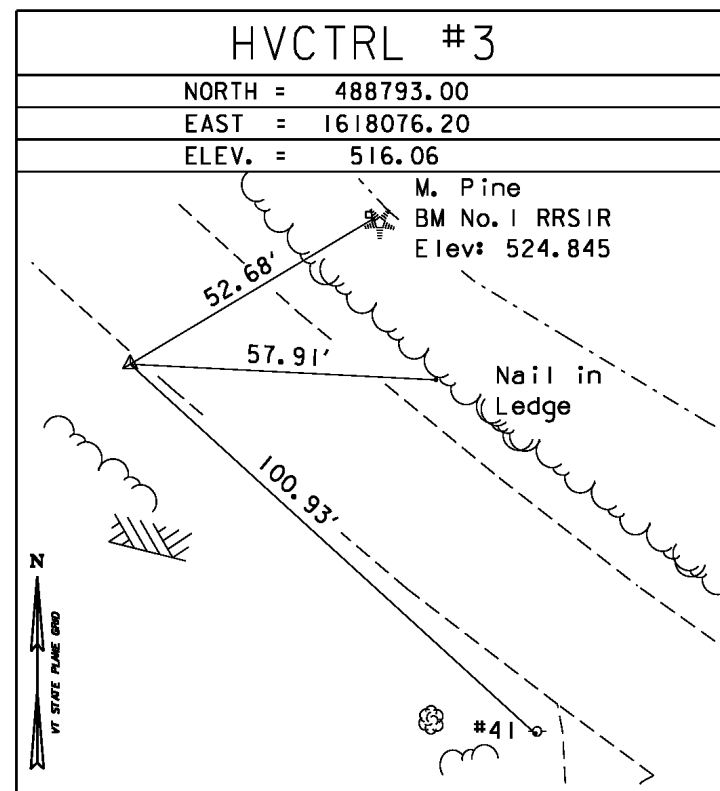
• DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT

HVCTRL #2

STANDARD DISK STAMPED
Spaulding
N = 488849.386
E = 1617960.788
ELEV. = 502.952

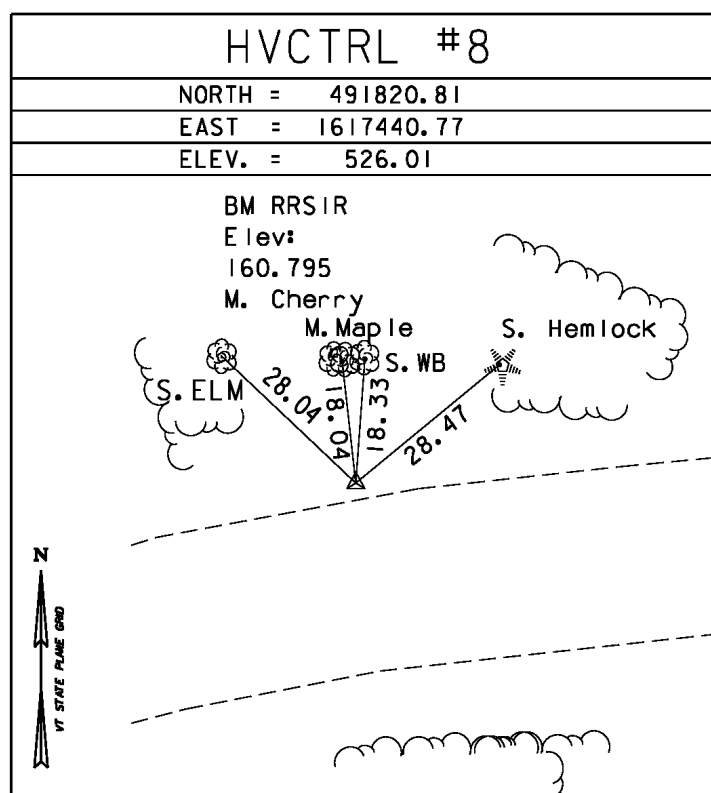
GENERAL LOCATION, ROYALTON, VT. -OWNERSHIP, GEORGE AND AGNES SPAULDING, 7783 VT RTE 14, SOUTH ROYALTON, VT 05068. TO REACH FROM THE INTERSECTION OF VT ROUTE 14 AND VT ROUTE 107 IN NORTH ROYALTON GO NORTH ALONG VT ROUTE 14 FOR 1.5 MI (2.4 KM) TO THE SITE OF THE MARK ON THE LEFT. IT IS ABOUT 95 M (311.7 FT) SOUTH OF THE SOUTH END OF A CONCRETE BRIDGE OVER THE SECOND BRANCH OF THE WHITE RIVER. THE MARK IS SET ABOUT 0.3 M (1.0 FT) ABOVE GROUND SURFACE IN THE TOP OF A MASSIVE ROCK OUTCROP. IT IS 15.5 M (50.9 FT) WEST NORTHWEST OF AND ABOUT 2.5 M (8.2 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 14, 11.2 M (36.7 FT) NORTH NORTHEAST OF A 10 CM PINE, 3.9 M (12.8 FT) NORTH OF A GUY ANCHOR, AND 4.7 M (15.4 FT) WEST OF POLE NO 42 AND A FIBERGLASS WITNESS POST.

TRAVERSE TIES

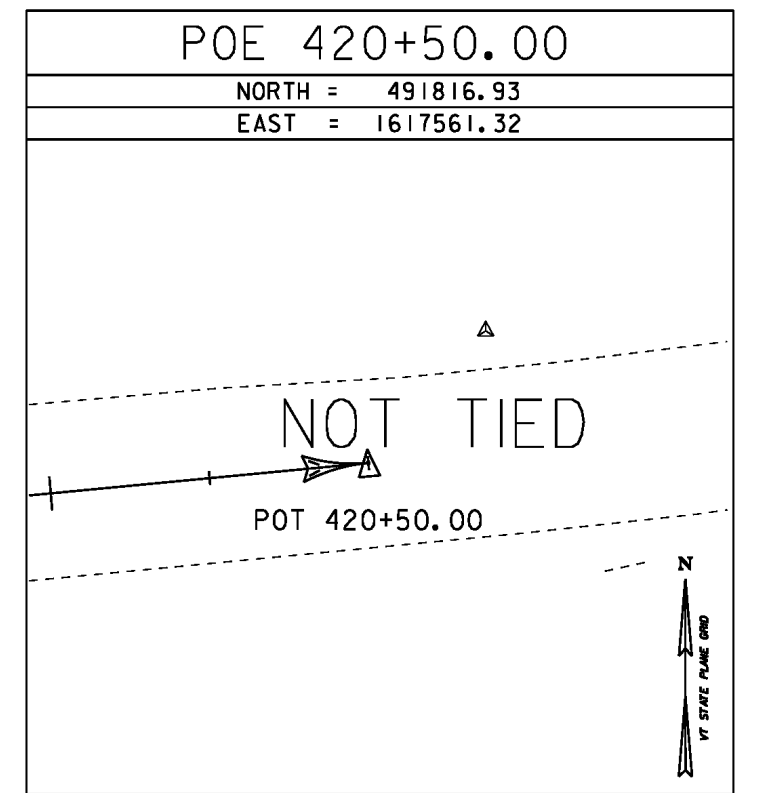
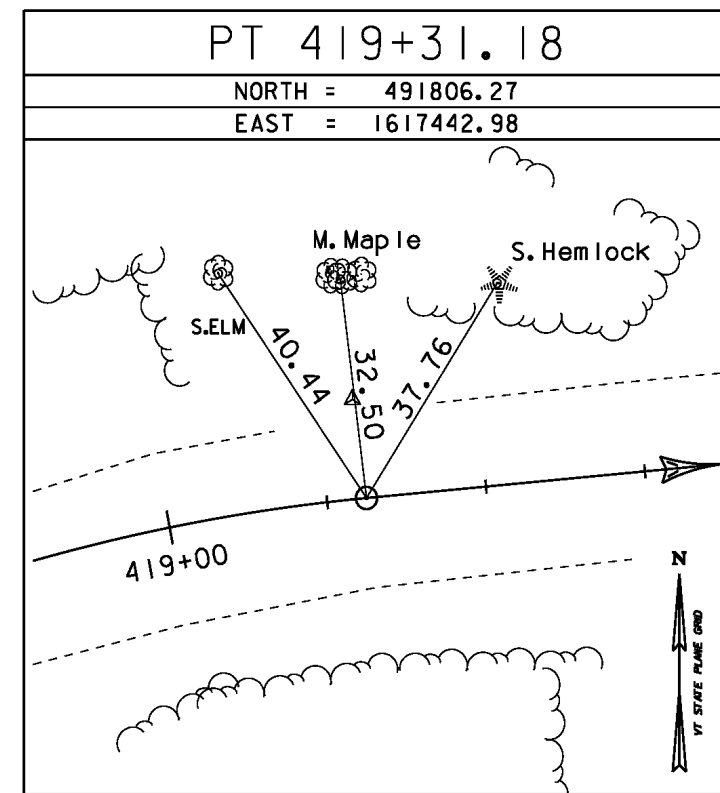
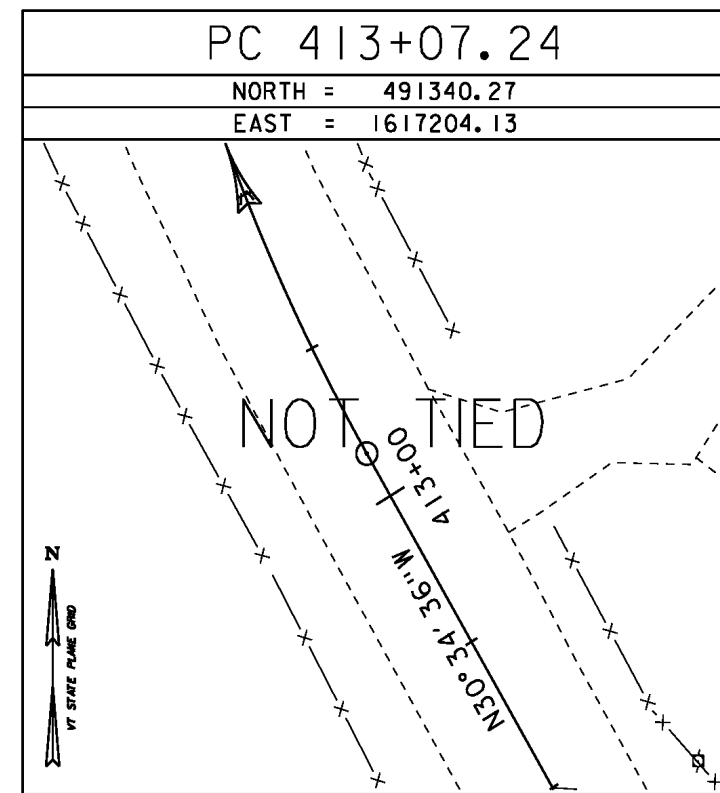
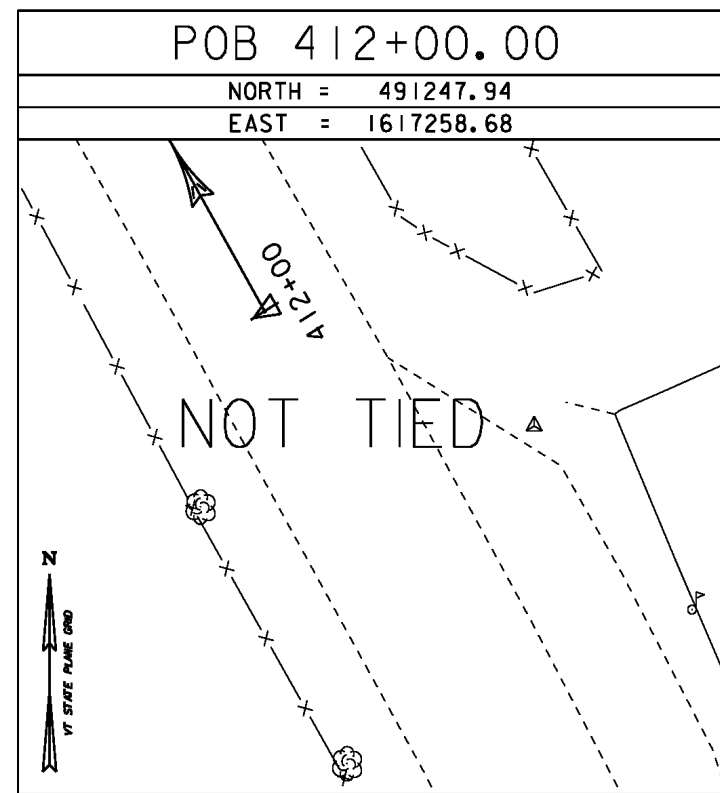


* MAIN TRAVERSE COMPLETED July 16,2001 Richard Gilman P.C. Paul Winters

TRAVERSE TIES



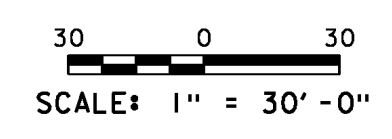
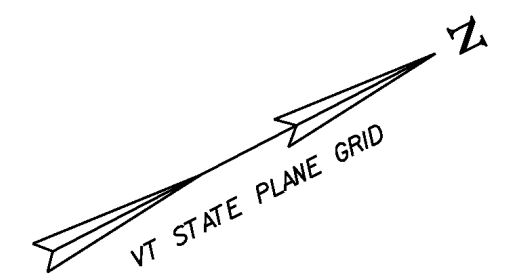
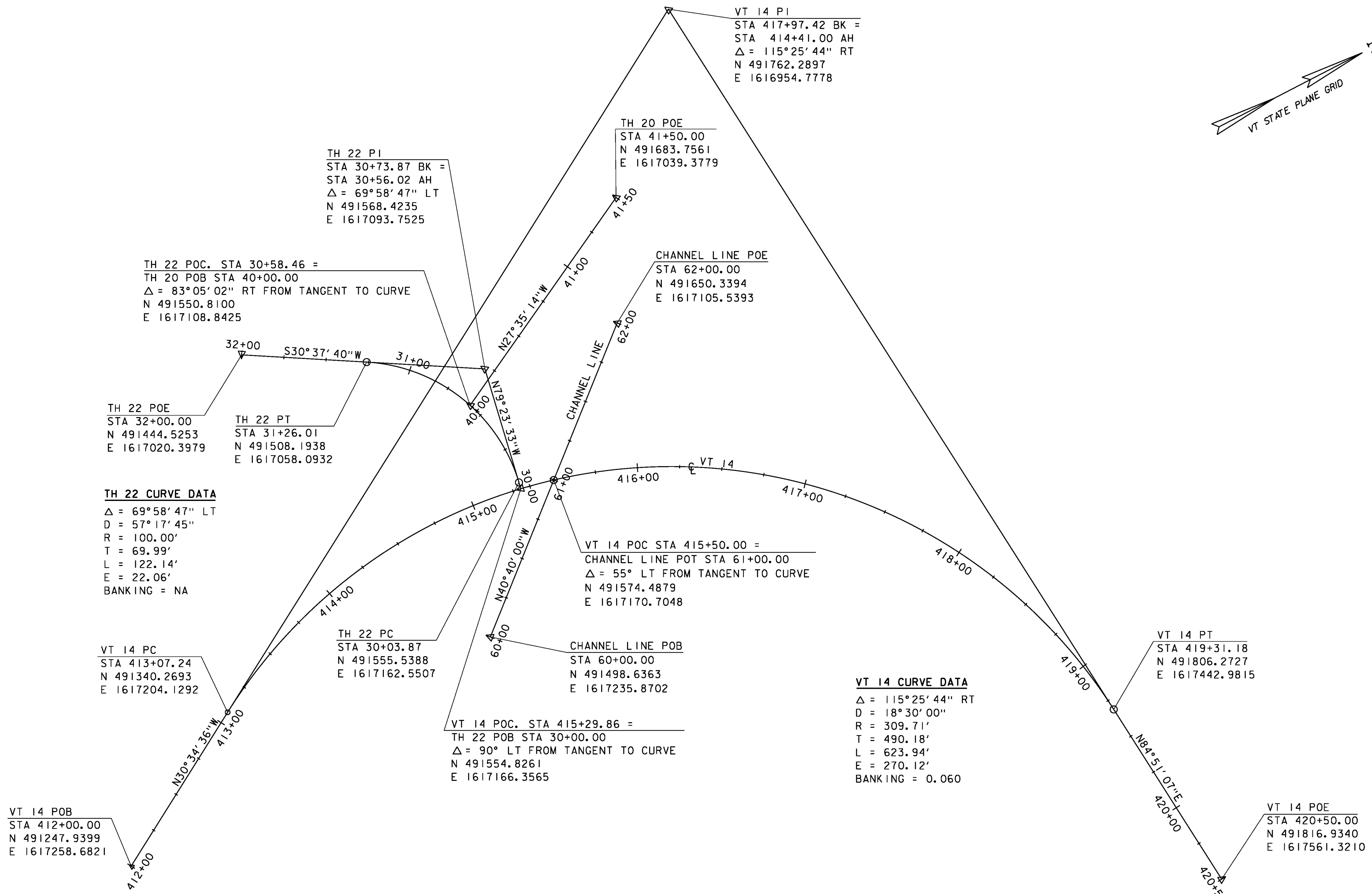
ALIGNMENT TIES



* Alignment Staked 06/05/06 by R. Gilman P.C. & P. Winters

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

PROJECT NAME:	Royalton
PROJECT NUMBER:	BRS 0147 (13)
FILE NAME:	86e055\survey\86e055t1.dgn
PLOT DATE:	12-APR-2017
PROJECT LEADER:	C. CARLSON
DRAWN BY:	R. Bullock
DESIGNED BY:	D. PETERSON
CHECKED BY:	C. CARLSON
BRIDGE #28	TIE SHEET
	ROW SHEET 36 OF 38



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

PROJECT NAME: ROYALTON	
PROJECT NUMBER: BRS 0147 (13)	
FILE NAME: \BR 28\s86e055alg_28.dgn	PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON	DRAWN BY: D. PETERSON
DESIGNED BY: G. ROY	CHECKED BY: G. ROY
BRIDGE 28 ALIGNMENT LAYOUT	ROW SHEET 38 OF 38