

GPS CONTROL POINTS

HCTRL #1

69529 AZ MK
 NORTH = 373076.859
 EAST = 1526511.983

GENERAL LOCATION, 7 MI (11.3 KM) SOUTHEAST OF RUTLAND AND 14 MI (22.5 KM) NORTHWEST OF LUDLOW. TO REACH, FROM THE JUNCTION OF US ROUTE 7 AND VT ROUTE 103 IN CLARENDON PROCEED SOUTHEAST ON ROUTE 103 FOR 2.05 MI (3.30 KM) TO THE MARK ON THE LEFT (NORTHEAST). 527 FT (160.6 M) NORTHWEST OF MILEPOST 45/92 ON THE GREEN MOUNTAIN RAILROAD, 98 FT (29.9 M) NORTHEAST OF UTILITY POLE 268X/4, 66 FT (20.1 M) NORTHEAST OF AND 10 FT (3.0 M) HIGHER THAN THE CENTERLINE OF ROUTE 103, 23.5 FT (7.2 M) SOUTHWEST OF THE SOUTHWEST RAIL AND 4 FT (1.2 M) NORTHEAST OF A FIBERGLASS WITNESS POST. OWNERSHIP, GREEN MOUNTAIN RAILROAD (802) 463-4756, CALL BEFORE AND AFTER ANY OCCUPATIONS.

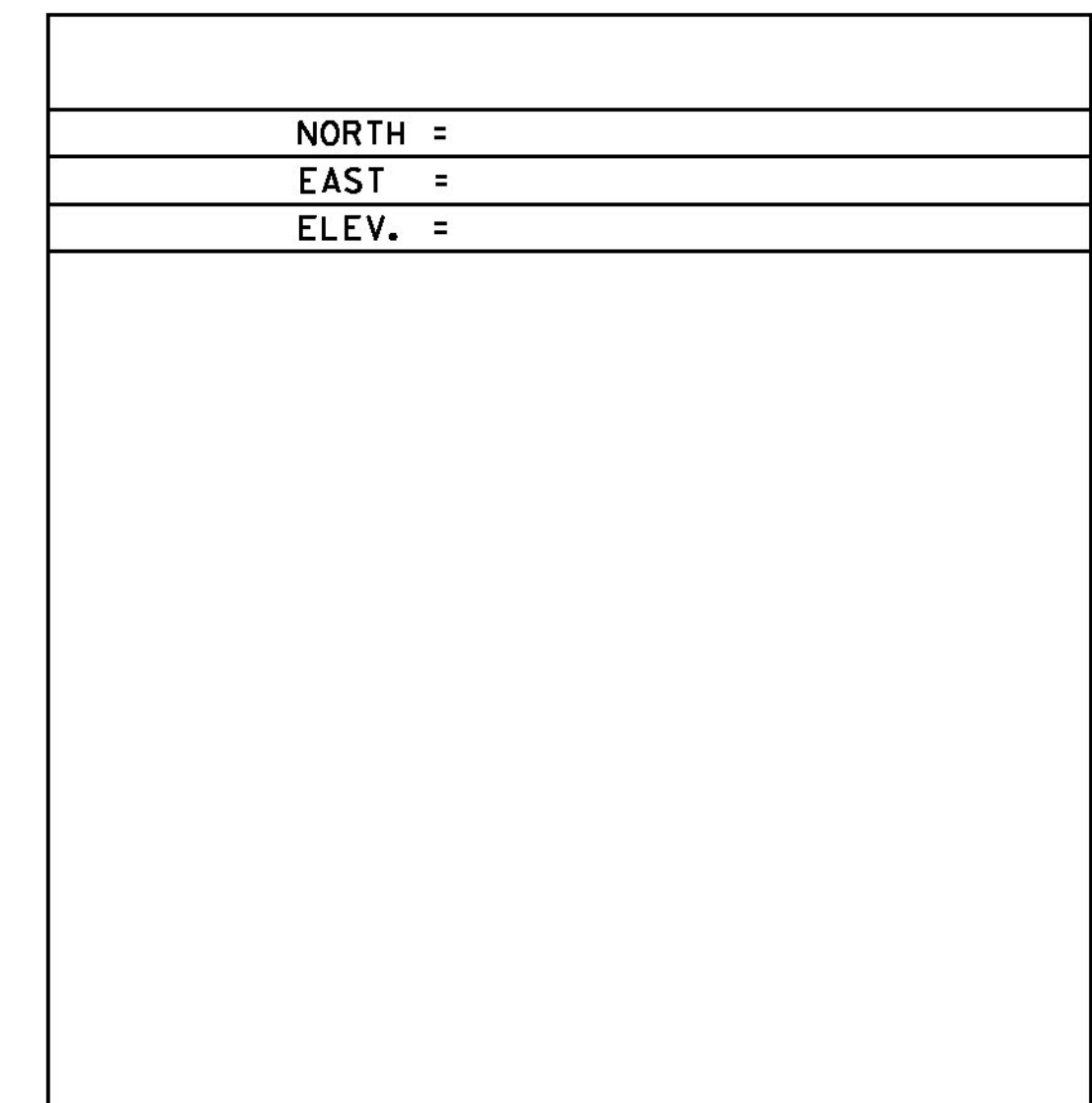
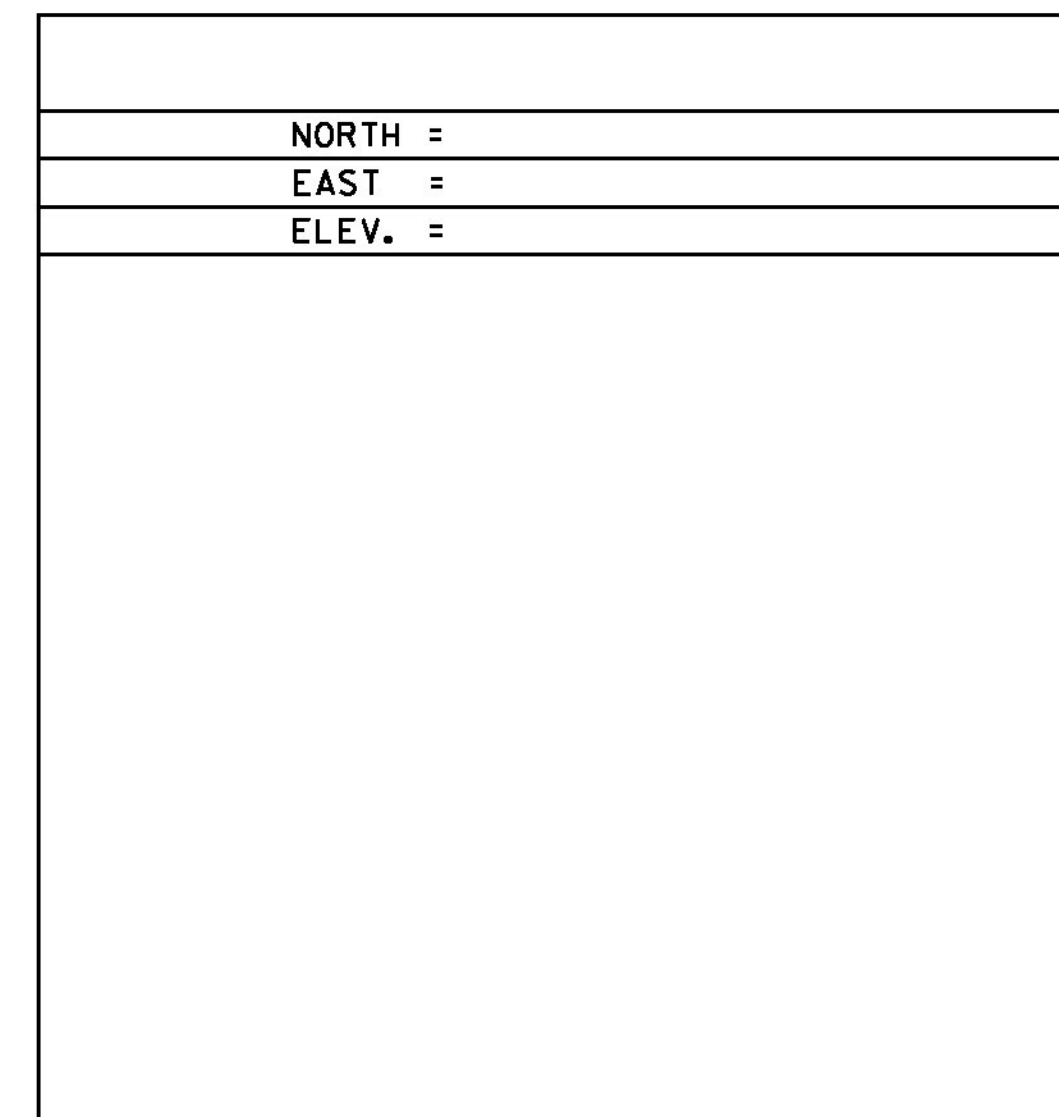
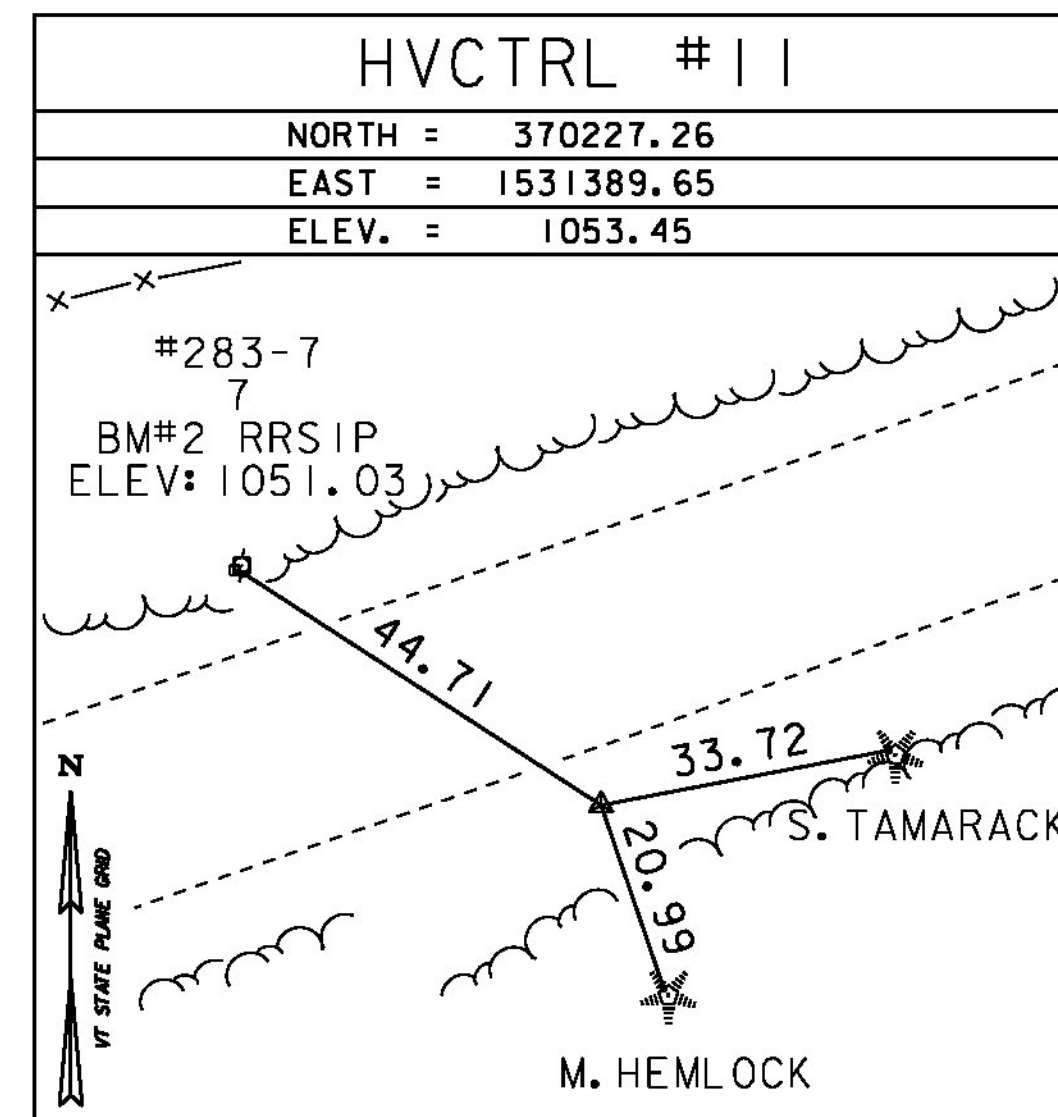
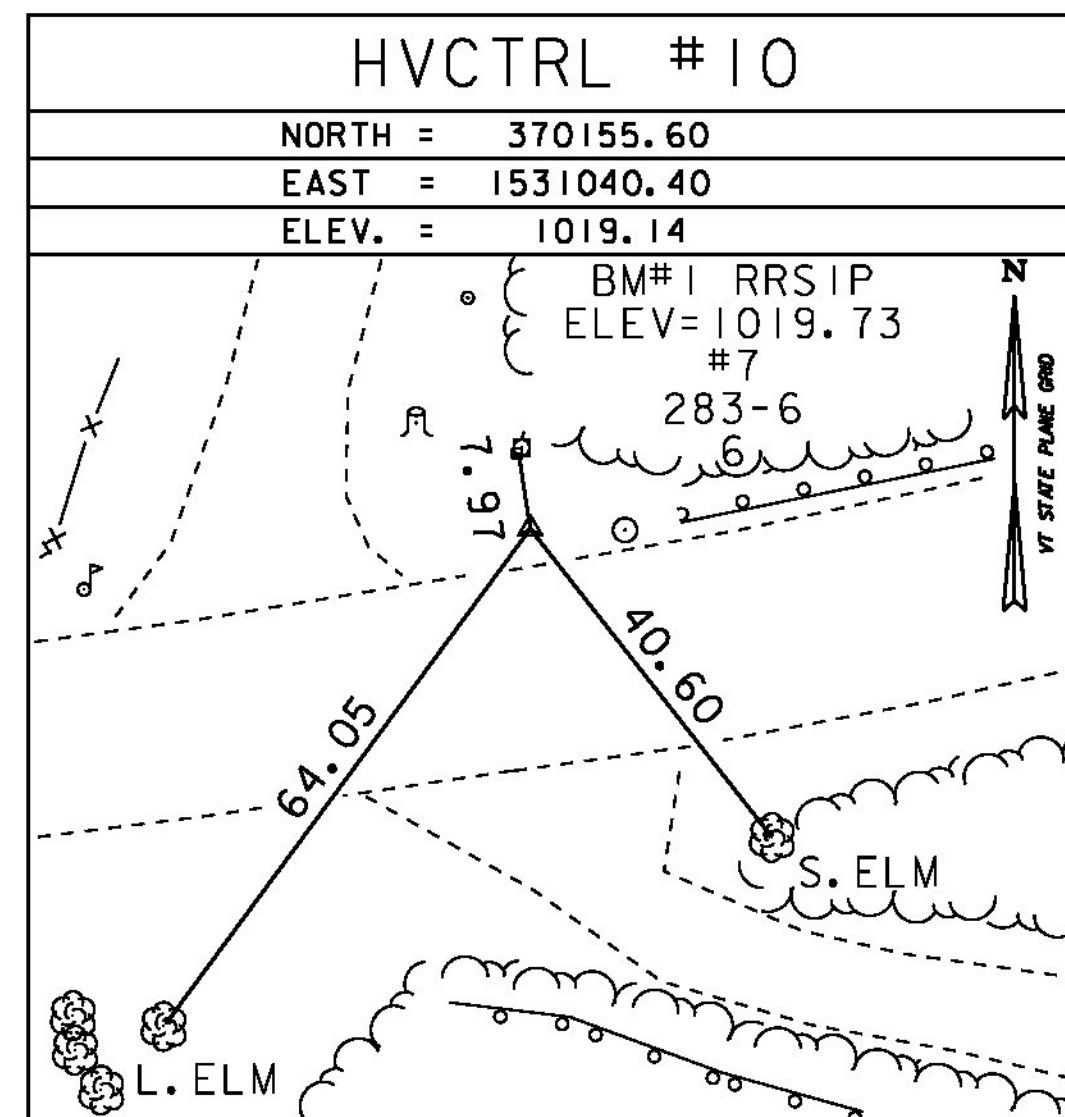
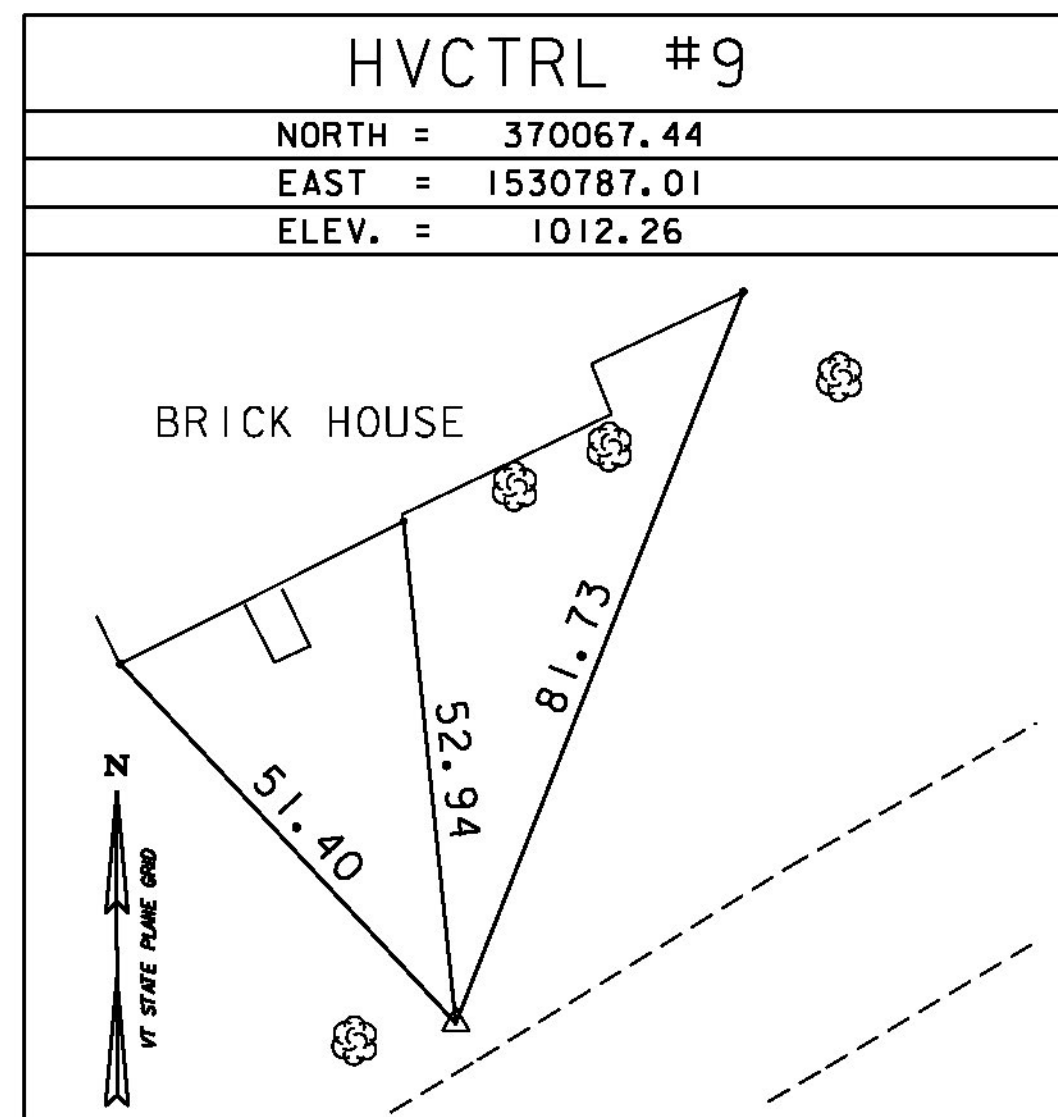
HVCTRL #2

69529
 NORTH = 372469.642
 EAST = 1527699.596
 ELEV. = 868.476

THE STATION IS LOCATED ABOUT 9.66 KM (6.00 MI) SOUTH OF RUTLAND, 4.83 KM (3.00 MI) NORTHWEST OF CUTTINGVILLE, 4.83 KM (3.00 MI) WEST OF SHREWSBURY. OWNERSHIP--STATE OF VERMONT. TO REACH FROM THE INTERSECTION OF ROUTE 103 AND U.S. ROUTE 7 AT PIERCES CORNER IN CLARENDON, GO SOUTHEAST ALONG ROUTE 103 FOR 2.3 MI (3.7 KM) TO THE INTERSECTION OF THE GREEN MOUNTAIN RAILROAD AND SITE OF MARK ON THE RIGHT, AT THE EDGE OF A STEEP BANK. THE LONG TRAIL ALSO CROSSES ROUTE 103 AT THIS POINT. STATION MARK IS A U.S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY DISK SET IN THE TOP OF AN 8 FT (2.4 M) BY 5 FT (1.5 M) ROCK OUTCROP WHICH PROJECTS 1.5 FT (0.5 M) ABOVE GROUND SURFACE. LOCATED 77 FT (23.5 M) SOUTHWEST OF THE CENTERLINE OF ROUTE 103, 50 FT (15.2 M) WEST OF THE WEST RAIL OF THE GREEN MOUNTAIN RAILROAD, 41.5 FT (12.6 M) EAST-SOUTHEAST OF THE CENTER OF THE LONG TRAIL, 49 FT (14.9 M) SOUTH OF THE SOUTH CORNER OF A STEEL RAILROAD SIGNAL CONTROL BOX AND 2.5 FT (0.8 M) NORTH OF A FIBERGLASS WITNESS POST.

* Description provided by Vermont Agency of Transportation Geodetic Survey Unit

TRAVERSE TIES



* MAIN TRAVERSE COMPLETED: SEPT. 31, 1995 BY R. GILMAN P.C. & T. COMPANION

HORIZONTAL ALIGNMENT NAME: DRIVE RIGHT

Description: OLD Route 103
 Report Date: 9 February 2011

Element:	STATION	NORTHING	EASTING
Linear			
POB (14)	300+00.00	370153.8229	1531105.8492
POE (15)	301+30.00	370027.6433	1531137.1335
Tangent Direction:	S 13°55'29.27" E		
Tangent Length:	130.00		

HORIZONTAL ALIGNMENT NAME: TH4 MAINLINE

Description: Town Highway 4 Proposed
 Report Date: 9 February 2011

Element:	STATION	NORTHING	EASTING
Linear			
POB (100)	100+00.00	370066.8932	1530811.4980
PC (101)	100+59.33	370096.3275	1530863.0096
Tangent Direction:	N 60°15'21.22" E		
Tangent Length:	59.33		
Circular			
PC (101)	100+59.33	370096.3275	1530863.0096
PI ()	101+14.71	370123.8044	1530911.0957
CC (102)		369853.6589	1531001.6730
PT (103)	101+68.68	370130.8680	1530966.0262
Radius:	279.49		
Delta:	22°24'59.65" Right		
Degree of Curvature (Arc):	20°30'00.00"		
Length:	109.35		
Tangent:	55.38		
Chord:	108.65		
Middle Ordinate:	5.33		
External:	5.43		
Tangent Direction:	N 60°15'21.22" E		
Radial Direction:	S 29°44'38.78" E		
Chord Direction:	N 71°27'51.04" E		
Radial Direction:	S 07°19'39.14" E		
Tangent Direction:	N 82°40'20.86" E		
Linear			
PT (103)	101+68.68	370130.8680	1530966.0262
PC (104)	102+04.06	370135.3808	1531001.1200
Tangent Direction:	N 82°40'20.86" E		
Tangent Length:	35.38		

TH4 MAINLINE (CONTINUED)

Element:	Circular			
PC (104)		102+04.06	370135.3808	1531001.1200
PI ()		103+25.54	370150.8749	1531121.6108
CC (105)			371271.9380	1530854.9684
PT (106)		104+46.12	370191.2880	1531236.1747
Radius:	1145.92			
Delta:	12°06'11.11" Left			
Degree of Curvature (Arc):	05°00'00.00"			
Length:	242.06			
Tangent:	121.48			
Chord:	241.61			
Middle Ordinate:	6.39			
External:	6.42			
Tangent Direction:	N 82°40'20.86" E			
Radial Direction:	S 07°19'39.14" E			
Chord Direction:	N 76°37'15.31" E			
Radial Direction:	S 19°25'50.25" E			
Tangent Direction:	N 70°34'09.75" E			
Element:	Linear			
PT (106)		104+46.12	370191.2880	1531236.1747
POE (107)		106+23.00	370250.1293	1531402.9790
Tangent Direction:	N 70°34'09.75" E			
Tangent Length:	176.88			

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (92)
ADJUSTMENT	Compass

PROJECT NAME:	SHREWSBURY
PROJECT NUMBER:	STP 1443 (44)
FILE NAME:	94J154\survey\94J154e1.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	N. VANDENBURG
TIE SHEET	
PLOT DATE:	12-MAY-2014
DRAWN BY:	R. Bullock
CHECKED BY:	M. LONGSTREET
SHEET	9 OF 36