

GPS CONTROL POINTS

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT )
Northing (Y) [meters]	4745213.916	37765.583
Easting (X) [meters]	675242.668	470928.211
Convergence [degrees]	1.45843429	-0.24180258
Point Scale	0.99997782	0.99997468
Combined Factor	0.99989818	0.99989503

US NATIONAL GRID DESIGNATOR: 18TXN7524245213 (NAD 83)

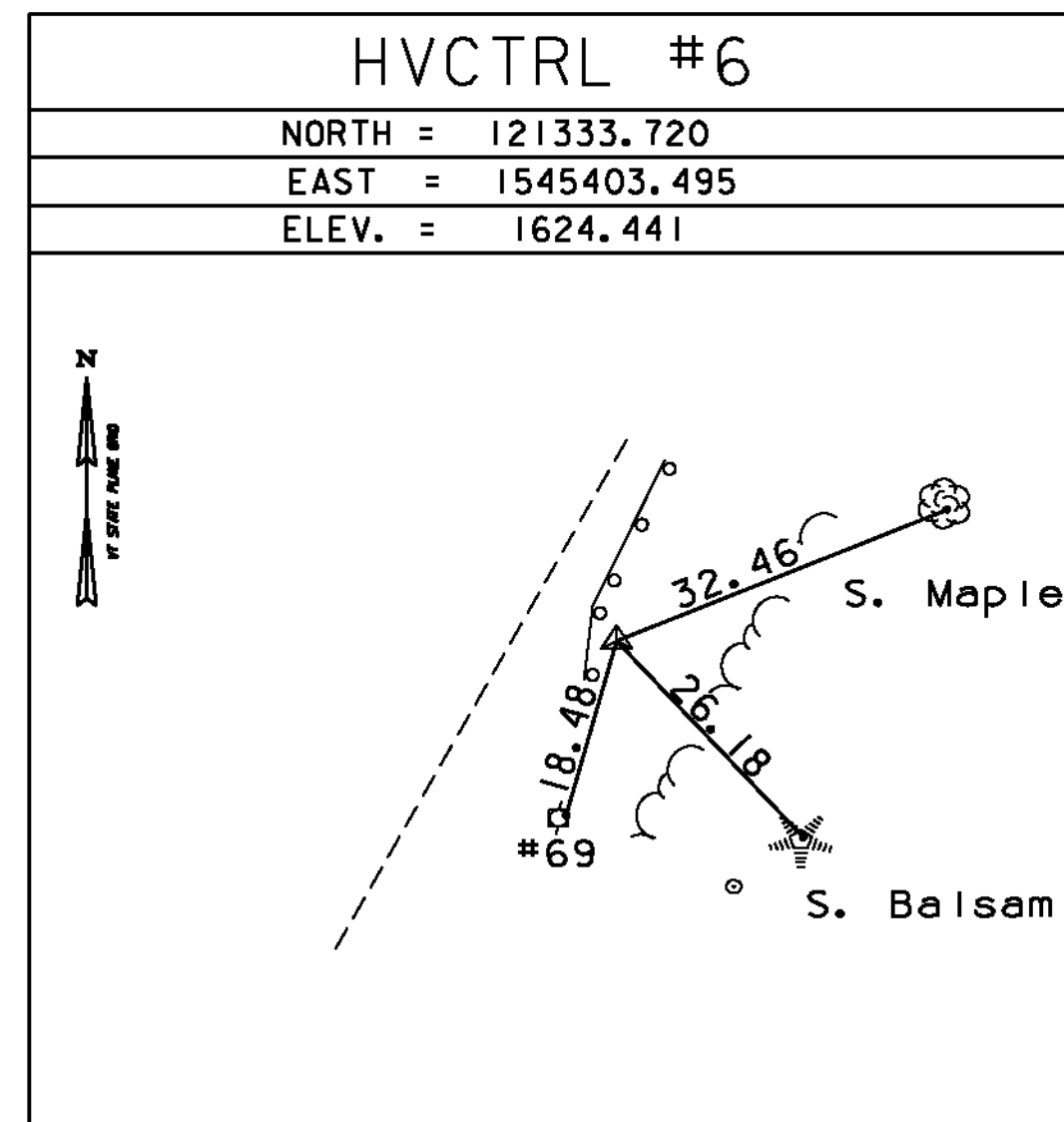
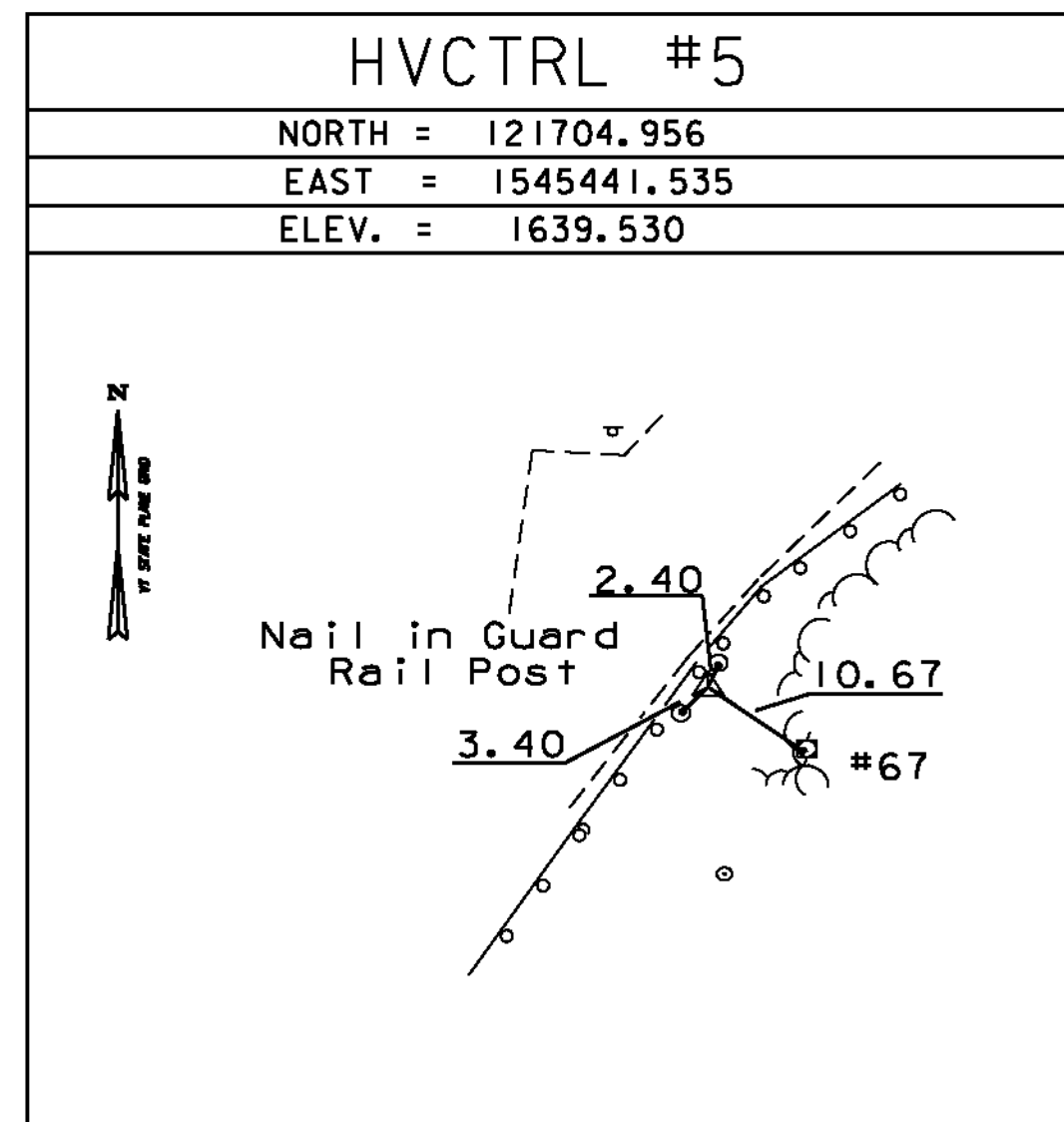
	BASE STATIONS USED			
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
DK8255	VTBE BENNINGTON CORS ARP	N425257.029	W0731159.649	28544.0
DJ8953	VTD2 DUMMERSTON CORS ARP	N425506.108	W0723206.441	27618.4
DJ8961	VTSP SPRINGFIELD VT CORS ARP	N431653.241	W0722839.238	57968.4

	NEAREST NGS PUBLISHED CONTROL POINT			
AB7379	B95050	N425119.2	W0725016.4	2286.8

HVCTRL #1  
REBAR W/ CAP  
NORTH = 123902.590  
EAST = 1545036.936  
ELEV. = 1758.140

HVCTRL #2  
REBAR W/ CAP  
NORTH = 123308.339  
EAST = 1545180.768  
ELEV. = 1777.820

TRAVERSE TIES



MAIN TRAVERSE COMPLETED 4/18/2012 by L. Orvis (P.C.) & G. Hitchcock

ALIGNMENT TIES

Project Name: s00b252  
Description: Wilmington STP 013-1 (14)  
Horizontal Alignment Name: VT100Pro  
Description: Mainline Alignment  
Style: align1

	STATION	NORTHING	EASTING
POB	17+50.00	121266.6584	1545372.4788
Tangent Direction:		N 8°22' 00.00" E	
Tangent Length:		178.66	
PC	19+28.66	121443.4190	1545398.4756
PI	21+09.67	121622.5016	1545424.8139
Radius:		1145.00	
Delta:		17°58' 00.12" Left	
Degree of Curvature (Arc):		5°00' 14.39"	
Length:		359.05	
Tangent:		181.01	
Chord:		357.58	
PT	22+87.71	121800.9759	1545394.6272
Tangent Direction:		N 9°36' 00.00" W	
Tangent Length:		12.29	
POE	23+00.00	121813.0948	1545392.5774

Project Name: s00b252  
Description: Wilmington STP 013-1 (14)  
Horizontal Alignment Name: ChannelAlongStream Prop  
Description: New Channel Alignment Along Stream  
Style: align4

	STATION	NORTHING	EASTING
POB	79+75.00	121582.2313	1545467.5047
Tangent Direction:		S 3°22' 00.00" W	
Tangent Length:		58.50	
PC#1	80+33.50	121523.8346	1545464.0694
PI#1	80+62.37	121495.0169	1545462.3741
Radius:		50.00	
Delta:		60°00' 00.00" Right	
Degree of Curvature (Arc):		114°35' 29.61"	
Length:		52.36	
Tangent:		28.87	
Chord:		50.00	
PT#1	80+85.86	121482.0762	1545436.5697
Tangent Direction:		S 63°22' 00.00" W	
Tangent Length:		75.67	
PC#2	81+61.53	121448.1554	1545368.9297
PI#2	81+79.75	121439.9878	1545352.6431
Radius:		35.00	
Delta:		55°00' 00.00" Left	
Degree of Curvature (Arc):		163°42' 08.02"	
Length:		33.60	
Tangent:		18.22	
Chord:		32.32	
PT#2	81+95.12	121421.9619	1545349.9920
Tangent Direction:		S 8°22' 00.00" W	
Tangent Length:		54.88	
POE	82+50.00	121367.6700	1545342.0071

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)
ADJUSTMENT	COMPASS

PROJECT NAME: WILMINGTON  
PROJECT NUMBER: STP 013-1(14)

FILE NAME: s00b252t1.dgn	PLOT DATE: 02-JAN-2014
PROJECT LEADER: K. HIGGINS	DRAWN BY: R. BULLOCK
DESIGNED BY: J. SALVATORI	CHECKED BY: J. SALVATORI
TIE SHEET	SHEET 8 OF 31