

GPS CONTROL POINTS

### HVCTRL #1

VT SURVEY DISK STAMPED  
 " B95065 "  
 N = 38968.9540  
 E = 493532.1120  
 ELEV. = 127.638

DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1995 (CHR)  
 GENERAL LOCATION, BRATTLEBORO, VT. AT THE EAST END OF THE VT ROUTE 9  
 BRIDGE OVER I-91 IN BRATTLEBORO, SET IN THE TOP OF THE ABUTMENT AT THE  
 NORTHEAST CORNER OF THE BRIDGE. THE MARK IS 9.8 M (32.2 FT) NORTH OF  
 AND ABOUT LEVEL WITH THE CENTERLINE OF THE MEDIAN STRIP ON VT ROUTE 9,  
 0.4 M (1.3 FT) WEST OF THE EAST END OF THE BRIDGE DECK, 0.6 M (2.0 FT)  
 NORTH OF THE FACE OF THE BRIDGE CURB, AND 3.1 M (10.2 FT) SOUTHWEST OF  
 A FIBERGLASS WITNESS POST.

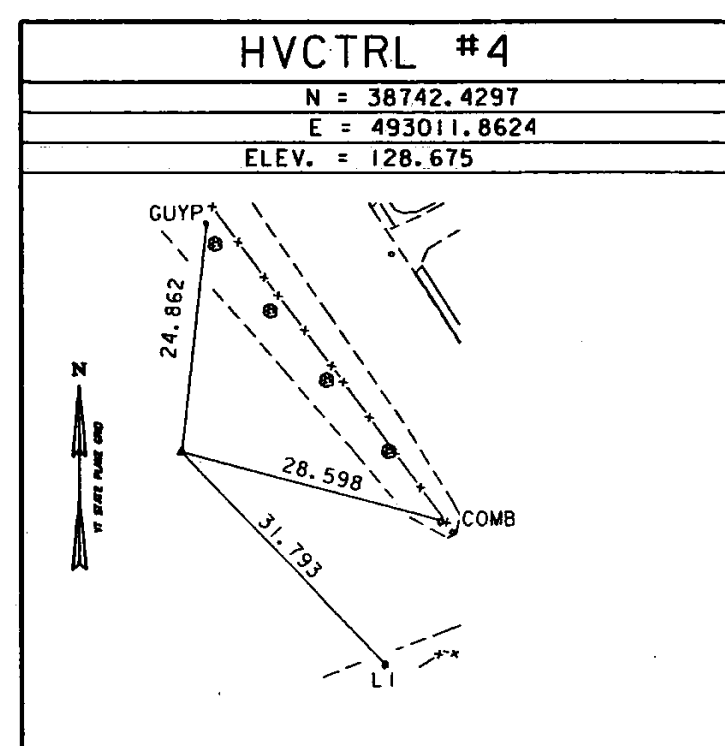
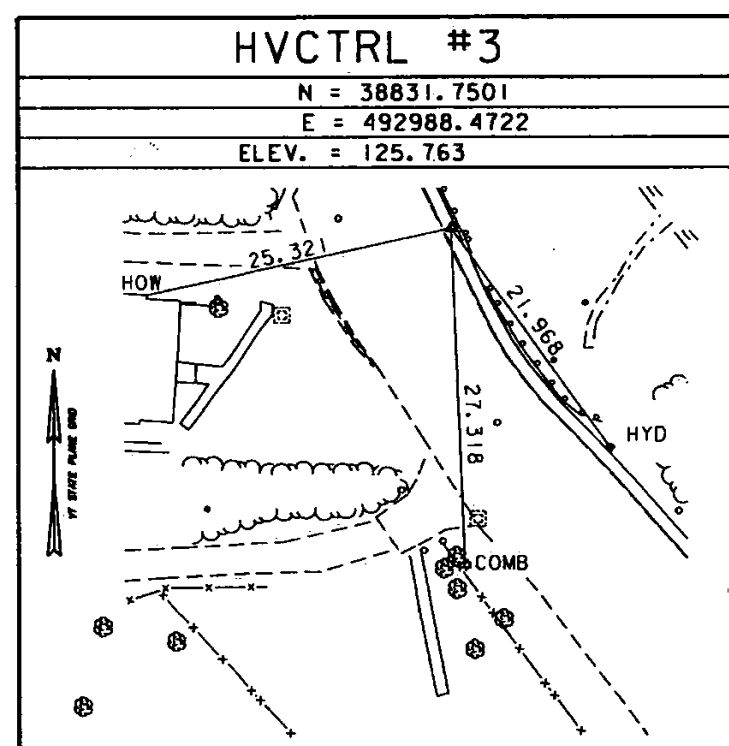
### HVCTRL #2

VT SURVEY DISK STAMPED  
 " A 14 "  
 N = 38885.1910  
 E = 493003.3870  
 ELEV. = 127.763

RECOVERY NOTE BY VERMONT AGENCY OF TRANSPORTATION 1995 (CHR)  
 GENERAL LOCATION, BRATTLEBORO, VT., ABOUT 1.5 MI (2.4 KM) WEST OF  
 BRATTLEBORO, ABOUT 14.5 MI (23.3 KM) EAST OF WILMINGTON, AND ABOUT 8.5  
 MI (13.7 KM) NORTH OF THE MASSACHUSETTS/VERMONT STATE LINE. TO REACH  
 FROM THE EAST END OF THE VT ROUTE 9 BRIDGE OVER I-91 IN BRATTLEBORO GO  
 WEST ALONG VT ROUTE 9 FOR 0.3 MI (0.5 KM) THE INTERSECTION OF GUILFORD  
 STREET LEFT AT THE CREAMERY COVERED BRIDGE, AND THE MARK ON THE LEFT  
 IN THE EAST POINT OF THE MOWED TRIANGLE FORMED BY THE INTERSECTION.  
 THE MARK IS SET IN THE TOP OF A 15 CM SQUARE CONCRETE MONUMENT 2 CM  
 BELOW GROUND SURFACE. IT IS 7.0 M (23.0 FT) SOUTH OF AND ABOUT LEVEL  
 WITH THE CENTERLINE OF VT ROUTE 9, 10.0 M (32.8 FT) WEST OF THE  
 CENTERLINE OF THE EAST LEG OF GUILFORD STREET, 19.5 M (64.0 FT) EAST  
 OF CENTERLINE OF THE WEST LEG OF GUILFORD STREET, 23.2 M (76.1 FT)  
 NORTH OF THE NORTHWEST CORNER OF THE COVERED BRIDGE, 14.2 M (46.6 FT)  
 NORTH OF A FIRE HYDRANT, 9.5 M (31.2 FT) EAST OF A SEWER MANHOLE, AND  
 0.4 M (1.3 FT) EAST OF A FIBERGLASS WITNESS POST AND ROAD SIGN.

DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

TRAVERSE TIES



MAIN TRAVERSE COMPLETED SEP. 17 1997. SURVEYED BY R. GILMAN, P.C. & T. COMPANION

ALIGNMENT

Alignments Current as of 4/27/09

| Existing VT 9  |            |             |
|--|------------|-------------|
| STATION  | NORTHING   | EASTING     |
| POB 3+000.000  | 38901.9370 | 492963.6000 |
| PC 3+024.473   | 38895.7303 | 492987.2731 |
| PT 3+091.511   | 38889.8117 | 493053.7342 |
| Radius: 200.000<br>Delta: 19°12'17.42" Left<br>Degree of Curvature (Arc): 8°43'54.82"<br>Length: 67.038<br>Tangent: 33.836<br>Chord: 66.724<br>Middle Ordinate: 2.802<br>External: 2.842<br>POE 3+142.701 38893.8400 493104.7660     |            |             |
| Market Drive   |            |             |
| STATION  | NORTHING   | EASTING     |
| POB 20+000.000   | 38807.3311 | 493000.0152 |
| PC 20+011.452  | 38814.6708 | 492991.2247 |
| PT 20+021.099  | 38818.1360 | 492982.3988 |
| Radius: 15.000<br>Delta: 36°50'58.32" Left<br>Degree of Curvature (Arc): 116°25'30.93"<br>Length: 9.647<br>Tangent: 4.937<br>Chord: 9.482<br>Middle Ordinate: 0.769<br>External: 0.810<br>POE (13) 20+031.111 38818.6619 492972.4010 |            |             |

| Guilford St   |            |             |
|---|------------|-------------|
| STATION   | NORTHING   | EASTING     |
| POB 10+000.000  | 38741.0840 | 493043.7950 |
| PC 10+066.131   | 38796.5965 | 493007.8557 |
| PT 10+089.376   | 38818.2707 | 493009.1702 |
| Radius: 18.300<br>Delta: 72°46'49.32" Right<br>Degree of Curvature (Arc): 95°25'49.94"<br>Length: 23.246<br>Tangent: 13.487<br>Chord: 21.714<br>Middle Ordinate: 3.569<br>External: 4.433<br>PC 10+132.272 38851.1974 493036.6631<br>PT 10+153.917 38871.1991 493043.6250 |            |             |
| Radius: 30.000<br>Delta: 41°20'21.08" Left<br>Degree of Curvature (Arc): 58°12'45.46"<br>Length: 21.645<br>Tangent: 11.318<br>Chord: 21.179<br>Middle Ordinate: 1.931<br>External: 2.064<br>POE 10+171.982 38889.2580 493043.1590   |            |             |

|            |             |
|------------|-------------|
| DATUM      |             |
| VERTICAL   | NAVD 88     |
| HORIZONTAL | NAD-83 (92) |
| ADJUSTED   | NO          |
| TYPE       | N/A         |

PROJECT NAME: Brattleboro  
 PROJECT NUMBER: BRF 2000 (2) S

FILE NAME: 96j228\survey\j228t1.dgn PLOT DATE: 13-MAY-2011  
 PROJECT LEADER: Roger Whitcomb DRAWN BY: R. Bullock  
 DESIGNED BY: C. Carlson CHECKED BY: C. Carlson  
 ROW SHEET 4A OF 15