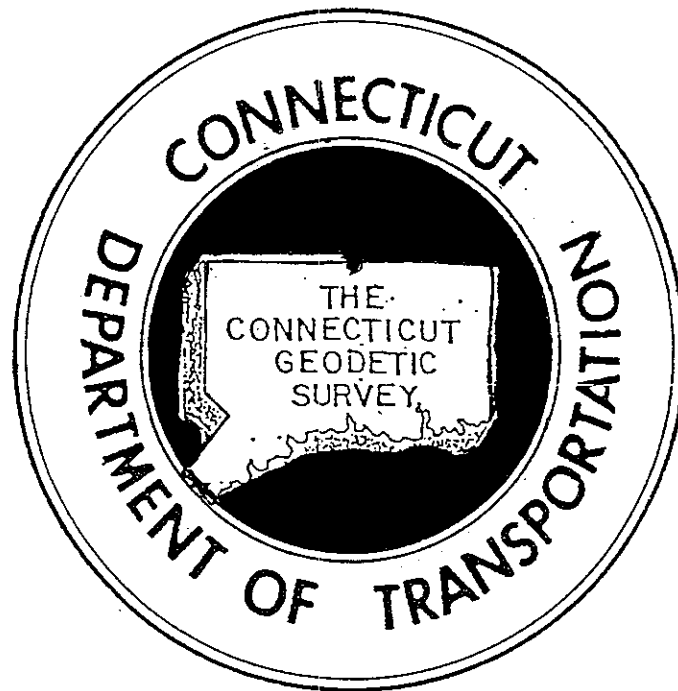


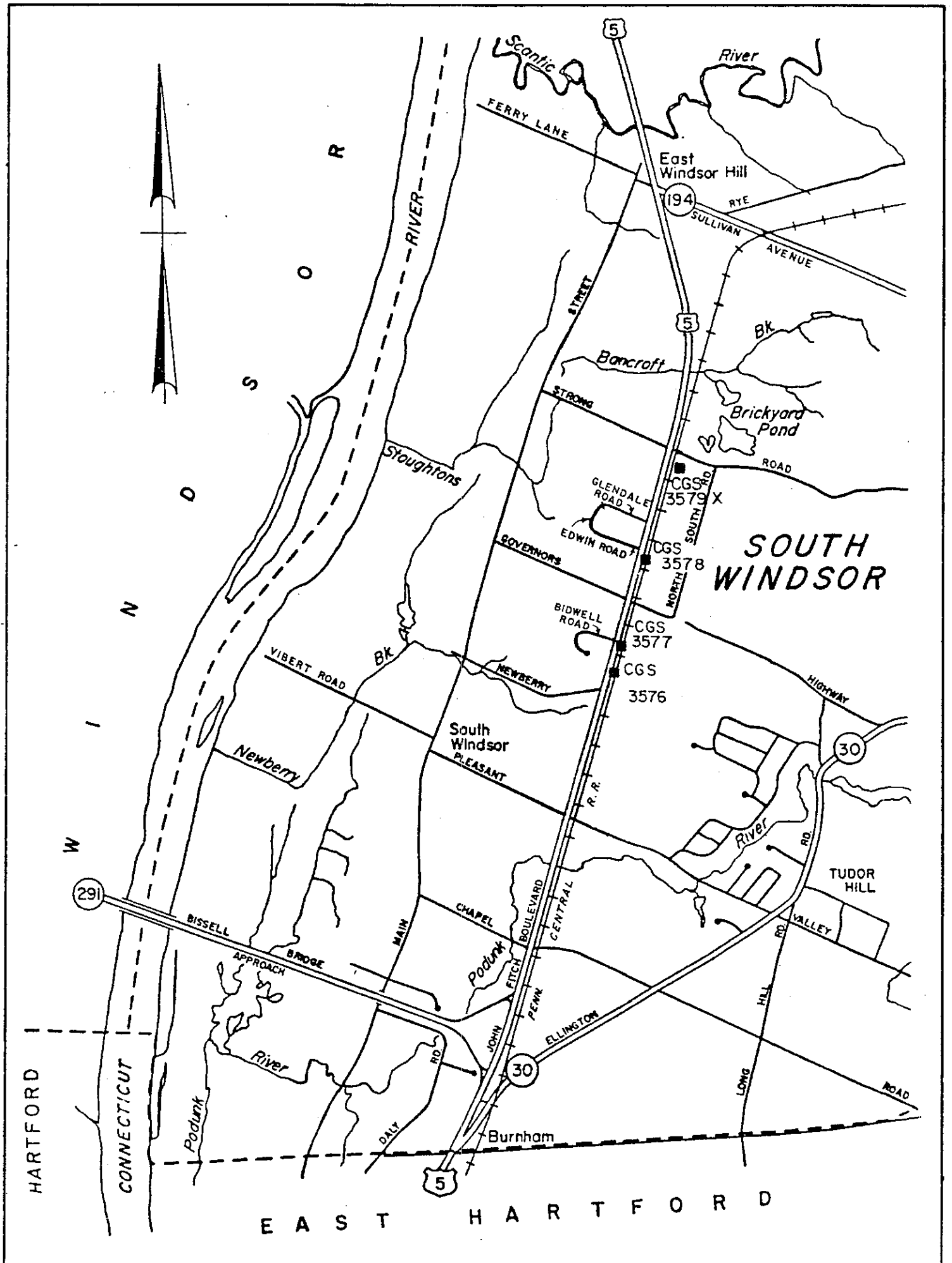
CONNECTICUT GEODETTIC SURVEY CALIBRATION BASE LINE



TOWN OF SOUTH WINDSOR

PUBLISHED BY
CONNECTICUT DEPARTMENT OF TRANSPORTATION
CENTRAL SURVEYS

1979 - 1989



CONNECTICUT GEODETIC SURVEY

TOWN South Windsor COUNTY Hartford STATION 3576
 DATE SET June 1975 QUADRANGLE 410724 Hartford ORDER OF ACCURACY
 DATE DESCRIBED December 1989 USGS MAP Manchester Horizontal 3rd Class 1, 1:10,000
 COMPUTATION VOLUME Net 4 BOOKS C-1 Vertical 132-06 Sheet 1
 R.O.W. MAP 132-06 Sheet 1

NATIONAL GEODETIC SURVEY — CALIBRATION BASE LINE DATA

FROM STATION	ELEVATION FEET	TO STATION	ELEVATION FEET	HORIZONTAL DISTANCE Feet	SLOPE DISTANCE Feet	STANDARD ERROR FEET
CGS 3576	68.0	CGS 3577	67.0	492.182	492.183	0.0007
CGS 3576	68.0	CGS 3578	70.4	2625.284	2625.285	0.0010
CGS 3576	68.0	CGS 3579X	70.4	4569.343	4569.344	0.0013
CGS 3577	67.0	CGS 3578	70.4	2133.102	2133.105	0.0010
CGS 3577	67.0	CGS 3579X	70.4	4077.161	4077.162	0.0013
CGS 3578	70.4	CGS 3579X	70.4	1944.059	1944.059	0.0010

1927 NORTH AMERICAN DATUM (N.A.D.27)

STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)
X = Y = DATE:	X = Y = DATE:
(METERS)	(METERS)

1983 NORTH AMERICAN DATUM (N.A.D.83)

STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)
NORTHING = 862,657.55 EASTING = 1,039,300.32 DATE: October 1989	NORTHING = 262,938.547 EASTING = 316,779.371 DATE: October 1989
(METERS)	(METERS)

Mean Sea Level Datum	ELEVATION	Comments	OBJECT	DISTANCE FEET	DIRECTION	PLANE AZIMUTH (0° North)
Feet			CTGS 3577		00 00 00	15 31 34.7
Meters			RM 1	42.38	35 13 43	
Date			RM 2	17.08	79 56 57	
			RM 3	43.28	113 18 54	

DESCRIPTION: The Station Mark is a standard Connecticut Geodetic Survey brass disk stamped 3576, set in the top of a cast in place concrete monument that is 5 feet long, 14 inches in diameter, and the top finished off 8 inches square. The top of the monument is set 2 inches below the surface of the ground. The subsurface mark is a standard Connecticut Geodetic Survey brass disk stamped 3576, set in an irregular mass of concrete that is 5 feet below the surface of the ground.

To reach the station in South Windsor from the intersection of Connecticut Route 30 (Ellington Road) and U.S. Route 5 (John Fitch Blvd.) go northerly along U.S. Route 5 for 2.20 miles to the station on the right, east.

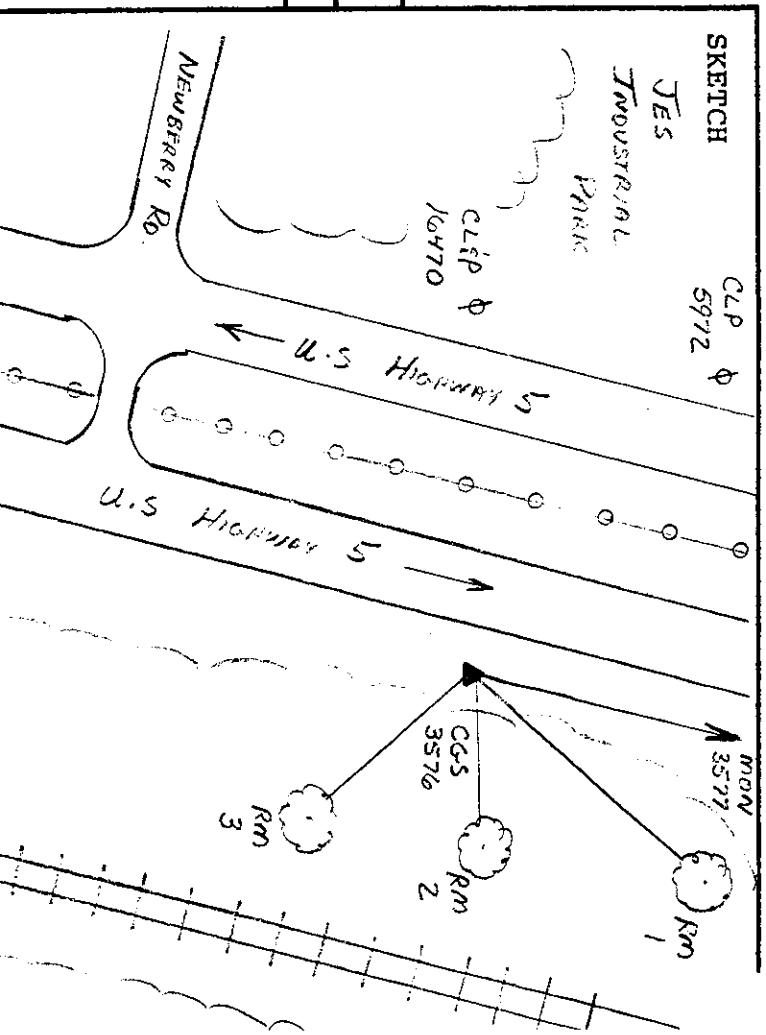
The station is 335 feet north of the extended centerline of Newberry Road, 78.3 feet west of the west rail of the Penn Central Road, 73.5 feet northeast of the centerline of a catch basin, 19.5 feet east of the northbound lane of U.S. Route 5 and 3.2 feet east of the edge of pavement.

- RM 1: Northeast of Station: A drill hole in a railroad spike driven into a 15 inch maple tree set 3.1 feet above the ground. It is 54 feet west of the west rail of the track and 44.5 feet east of the centerline of U.S. Route 5.
- RM 2: East of Station: A drill hole in a railroad spike driven into a 14 inch maple tree set 2.2 feet above the ground. It is 61.7 feet west of the west rail of the track and 36.5 feet east of the centerline of U.S. Route 5.
- RM 3: Southeast of Station: A drill hole in a railroad spike driven into a 16 inch white oak tree, set 2 feet above the ground. It is 59 feet east of the centerline of U.S. Route 5, 38.6 feet west of the west rail of the track and 18.5 feet northeast of a 14 inch twin maple tree.

NOTES:

Distances revised
July 1989.

RECOVERY NOTES		
Date	Organization	Condition



CONNECTICUT GEODETIC SURVEY

TOWN South Windsor COUNTY Hartford STATION 3577
 DATE SET June 1975 QUADRANGLE 410724 Hartford ORDER OF ACCURACY
 DATE DESCRIBED December 1989 USGS MAP Manchester Horizontal 3rd Class 1, 1:10,000
 COMPUTATION VOLUME Net 4 BOOKS C-1 Vertical _____
 R.O.W. MAP 132-06 Sheet 1

NATIONAL GEODETIC SURVEY — CALIBRATION BASE LINE DATA

FROM STATION	ELEVATION FEET	TO STATION	ELEVATION FEET	HORIZONTAL DISTANCE Feet	SLOPE DISTANCE Feet	METERS	STANDARD ERROR FEET
CGS 3576	68.0	CGS 3577	67.0	492.182	492.183	150.0174	0.0007
CGS 3576	68.0	CGS 3578	70.4	2625.284	2625.285	800.1882	0.0010
CGS 3576	68.0	CGS 3579X	70.4	4569.343	4569.344	1392.7385	0.0013
CGS 3577	67.0	CGS 3578	70.4	2133.102	2133.105	650.1708	0.0010
CGS 3577	67.0	CGS 3579X	70.4	4077.161	4077.162	1242.7211	0.0013
CGS 3578	70.4	CGS 3579X	70.4	1944.059	1944.059	592.5504	0.0010

1927 NORTH AMERICAN DATUM (N.A.D.27)		1983 NORTH AMERICAN DATUM (N.A.D.83)	
STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)
X = _____ Y = _____ DATE: _____	X = _____ Y = _____ DATE: _____	NORTHING = 863,131.79 EASTING = 1,039,432.07 DATE: October 1989	NORTHING = 263,083.096 EASTING = 316,819.529 DATE: October 1989
(METERS)	(METERS)	(METERS)	(METERS)

ELEVATION		OBJECT	DISTANCE FEET	DIRECTION	PLANE AZIMUTH (0° North)
Mean Sea Level Datum	Comments				
Feet		CTGS 3576	00	00	00
Meters		CTGS 3578	80.98	58	22
Date		RP 1	40.20	54	28
		RM 1	67.37	30	11
		RM 2			

TOWN South Windsor

STATION 3577

DESCRIPTION: The Station Mark is a standard Connecticut Geodetic Survey brass disk stamped 3577, set in the top of a cast in place concrete monument that is 5 feet long, 14 inches in diameter and the top finished off 8 inches square, 4 inches below the surface of the ground. The subsurface mark is a standard Connecticut Geodetic Survey brass disk stamped 3577, set in an irregular mass of concrete, 5 feet below the surface of the ground.

To reach the station in South Windsor, from the intersection of Conn. Route 30 (Ellington Rd.) and U.S. Highway 5 (John Fitch Blvd.) go northerly along U.S. Highway 5 for 2.5 miles to the station on the right, east.

The station is 168.5 feet south of the extended centerline of Bidwell Road, 77 feet northeast of the center of a grate to a catch basin, 78 feet west of the west rail of the track and 19.5 feet east of the centerline of U.S. Route 5.

RM 1: Southeast of Station: A drill hole in a railroad spike driven into the most northern of a 15 inch triple maple tree, set 2.9 feet above the ground. It is 190 feet south of the extended centerline of Bidwell Road, 45.5 feet west of the west rail of the track and 53 feet east of the northbound lane of U.S. Route 5.

RM 2: South-Southeast of Station: A drill hole in a railroad spike driven into a 22 inch red oak tree, set 2.4 feet above the ground. It is 225.5 feet south of the extended centerline of Bidwell Road, 45.8 feet west of the west rail of the track and 55.5 feet east of the centerline of the northbound lane of U.S. Route 5.

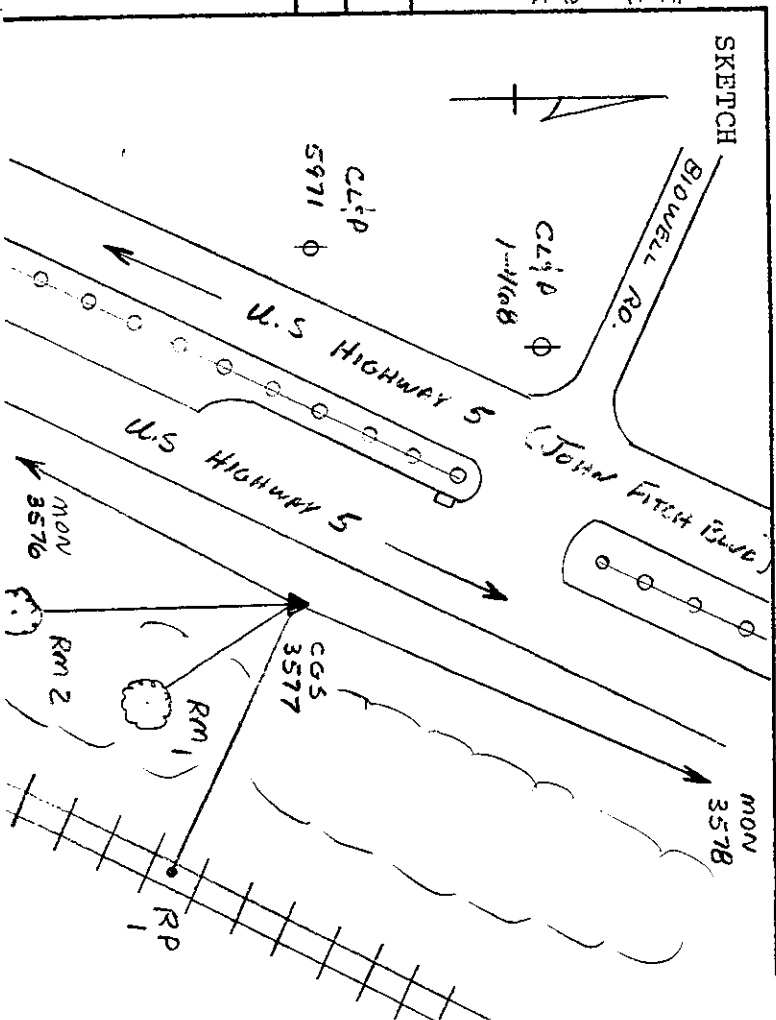
RM 3: Southeast of Station: A drill hole in a 1 inch square iron pin, 48 inches long driven flush with the surface of the crushed stone railroad bed. The pin is on the centerline of the track, 165 feet southwest of the southwest corner of a concrete storage building, 100.5 feet east of the northbound lane of U.S. Route 5 and 72 feet west of a 6 foot high chain link fence.

NOTES:

Distances revised
July 1989.

RECOVERY NOTES

Date	Organization	Condition



CONNECTICUT GEODETIC SURVEY

TOWN South Windsor COUNTY Hartford STATION 3578
 DATE SET June 1975 QUADRANGLE 410724 ORDER OF ACCURACY Horizontal 3rd Class 1:10,000
 DATE DESCRIBED December 1989 USGS MAP Manchester Vertical 132-06 Sheet 2
 COMPUTATION VOLUME Net 4 BOOKS C-1 R.O.W. MAP

NATIONAL GEODETIC SURVEY — CALIBRATION BASE LINE DATA

FROM STATION	ELEVATION FEET	TO STATION	ELEVATION FEET	HORIZONTAL DISTANCE		SLOPE DISTANCE		STANDARD ERROR FEET
				Feet	Meters	Feet	Meters	
CGS 3576	68.0	CGS 3577	67.0	492.182	150.0174	492.183	150.0177	0.0007
CGS 3576	68.0	CGS 3578	70.4	2625.284	800.1882	2625.285	800.1885	0.0010
CGS 3576	68.0	CGS 3579X	70.4	4569.343	1392.7385	4569.344	1392.7387	0.0013
CGS 3577	67.0	CGS 3578	70.4	2133.102	650.1708	2133.105	650.1716	0.0010
CGS 3577	67.0	CGS 3579X	70.4	4077.161	1242.7211	4077.162	1242.7216	0.0013
CGS 3578	70.4	CGS 3579X	70.4	1944.059	592.5504	1944.059	592.5504	0.0010

1927 NORTH AMERICAN DATUM (N.A.D.27)

STATE PLANE COORDINATES (FEET)
 X =
 Y =
 DATE:

(METERS)
 X =
 Y =
 DATE:

1983 NORTH AMERICAN DATUM (N.A.D.83)

STATE PLANE COORDINATES (FEET)
 NORTHING = 865,187.03
 EASTING = 1,040,003.03
 DATE: October 1989

(METERS)
 NORTHING = 263,709.534
 EASTING = 316,993.558
 DATE: October 1989

ELEVATION		OBJECT	DISTANCE FEET	DIRECTION	PLANE AZIMUTH (0° North)
Mean Sea Level Datum	Comments				
Feet		CTGS 3579X		00 00 00	15 31 21.5
Meters		RM 1	35.27	44 47 34	
Date		RM 2	34.95	113 13 35	
		RM 3	67.78	157 11 24	
		CTGS 3577			195 31 32.6

DESCRIPTION: The Station Mark is a standard Connecticut Geodetic Survey brass disk stamped 3578, set in the top of a cast in place concrete monument that is 5 feet long, 14 inches in diameter and the top finished off 8 inches square, set 5 inches below the surface of the ground. The subsurface mark is a standard Connecticut Geodetic Survey brass disk stamped 3578, set in an irregular mass of concrete, set 5 feet below the ground.

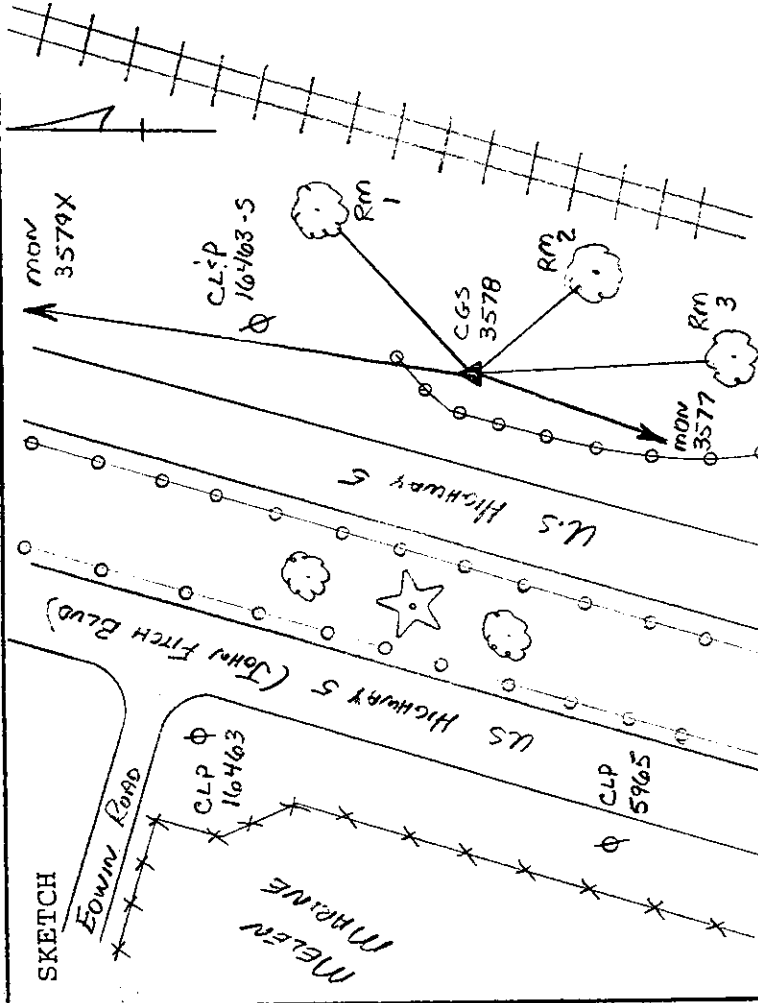
To reach the station in South Windsor from the intersection of Conn. Route 30 (Ellington Road) and U.S. Route 5 (John Fitch Blvd.) go northerly along U.S. Route 5 for 2.88 miles to the station on the right, east.

The station is 90 feet south of the extended centerline of Edwin Road, 65.8 feet southwest of CL&P 16463-S, 20 feet east of the northbound lane of U.S. Route 5 and 1 foot east of a metal barrier rail.

RM 1: Northwest of Station: A drill hole in a railroad spike, driven into a 10 inch sassafrass tree, set 2 feet above the ground. It is 54 feet south of the extended centerline of Edwin Road, 56 feet west of the west rail of the track, 42.5 feet east of the centerline of the northbound lane of U.S. Route 5 and 42.5 feet southeast of CL&P 16463-S.

RM 2: Southeast of Station: A drill hole in a railroad spike driven into a 20 inch red oak tree with a triangular blaze mark, set 4 feet above the ground. It is 103 feet south of the extended centerline of Edwin Road, 53 feet east of the centerline of the northbound lane of U.S. Route 5 and 46.5 feet west of the west rail of the track.

RM 3: Southeast of Station: A drill hole in a trolley spike driven into a 16 inch red oak tree, set 4.5 feet above the ground. It is 154 feet south of the extended centerline of Edwin Road, 47 feet east of the centerline of the northbound lane of U.S. Route 5 and 52 feet west of the west rail of the track.



NOTES:	RECOVERY NOTES		
	Date	Organization	Condition
Distances revised July 1989.			

CONNECTICUT GEODETIC SURVEY

TOWN South Windsor COUNTY Hartford STATION 3579X
 DATE SET 1989 QUADRANGLE 410724 Hartford ORDER OF ACCURACY
 DATE DESCRIBED December 1989 USGS MAP Manchester Horizontal 3rd Class 1:10,000
 COMPUTATION VOLUME Net 4 BOOKS C-1 Vertical 132-06 Sheet 2

NATIONAL GEODETIC SURVEY — CALIBRATION BASE LINE DATA

FROM STATION	ELEVATION FEET	TO STATION	ELEVATION FEET	HORIZONTAL DISTANCE		SLOPE DISTANCE		STANDARD ERROR FEET
				Feet	Meters	Feet	Meters	
CGS 3576	68.0	CGS 3577	67.0	492.182	150.0174	492.183	150.0177	0.0007
CGS 3576	68.0	CGS 3578	70.4	2625.284	800.1882	2625.285	800.1885	0.0010
CGS 3576	68.0	CGS 3579X	70.4	4569.343	1392.7385	4569.344	1392.7387	0.0013
CGS 3577	67.0	CGS 3578	70.4	2133.102	650.1708	2133.105	650.1716	0.0010
CGS 3577	67.0	CGS 3579X	70.4	4077.161	1242.7211	4077.162	1242.7216	0.0013
CGS 3578	70.4	CGS 3579X	70.4	1944.059	592.5504	1944.059	592.5504	0.0010

1927 NORTH AMERICAN DATUM (N.A.D.27)

STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)
X = Y = DATE:	X = Y = DATE:
(METERS)	(METERS)
X = Y = DATE:	X = Y = DATE:

1983 NORTH AMERICAN DATUM (N.A.D.83)

STATE PLANE COORDINATES (FEET)	STATE PLANE COORDINATES (FEET)
NORTHING = 867,060.17 EASTING = 1,040,523.30 DATE: October 1989	NORTHING = EASTING = DATE:
(METERS)	(METERS)
NORTHING = 264,280.468 EASTING = 317,152.136 DATE: October 1989	NORTHING = EASTING = DATE:

ELEVATION		OBJECT	DISTANCE FEET	DIRECTION	PLANE AZIMUTH (0° North)
Mean Sea Level Datum	Comments				
Feet	CTGS 3578		00 00 00	00 00 00	195 31 21.5
Meters	RM 1	69.14	207 07 23		
Date	RP 1	17.01	270 05 52		
	RM 2	57.41	321 05 27		

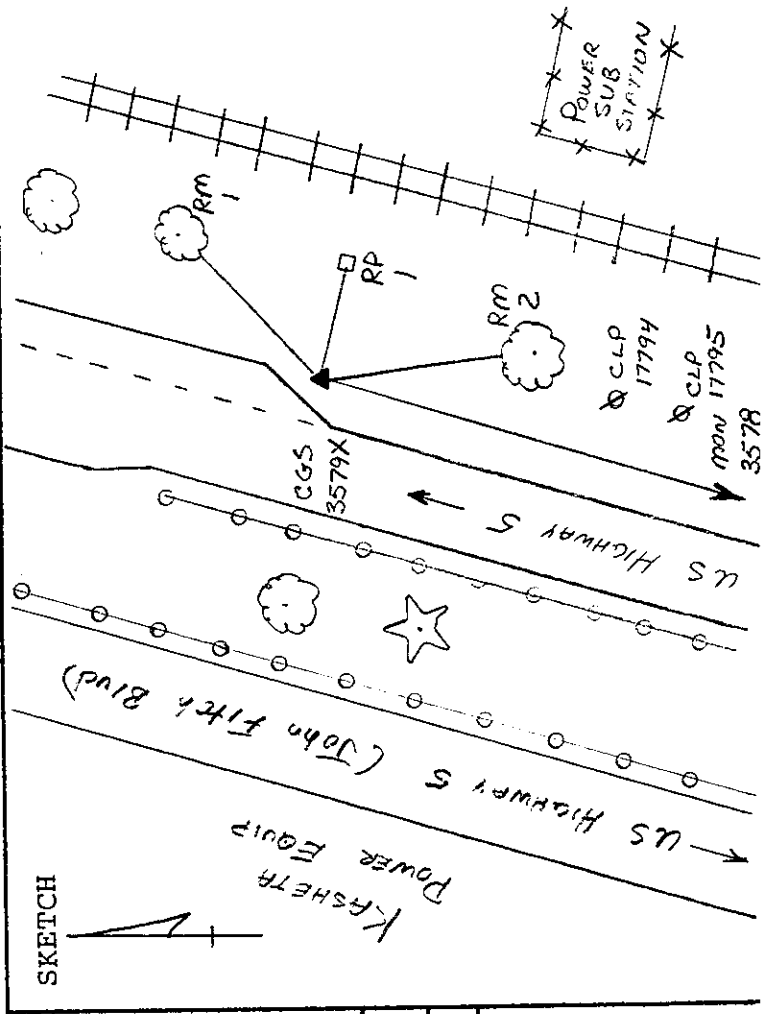
DESCRIPTION: The Station Mark is a standard Connecticut Geodetic Survey brass disk stamped 3579X, set in the top of a cast in place concrete monument that is 5 feet long, 14 inches in diameter and the top finished off 8 inches square, set 2 inches below the surface of the ground. The subsurface mark is a standard Connecticut Geodetic Survey brass disk stamped 3579X, set in an irregular mass of concrete, set 5 feet below the ground.

To reach the station from the intersection of Connecticut Route 30 (Ellington Road) and U.S. Route 5 (John Fitch Blvd.) in South Windsor, go northerly along U.S. Route 5 for 3.23 miles to the station on the right, east. The station is 69.5 feet north of CL&P 17794, 68 feet southeast of the centerline of a catch basin and 20 feet east of the centerline of the northbound lane of U.S. Route 5.

RM 1: Northeast of Station: A drill hole in a railroad spike driven into a 24 inch white oak tree set 2.2 feet above the ground. It is located 129.5 feet north of CL&P 17794, 51 feet east of the centerline of the northbound lane of U.S. Route 5 and 46.8 feet west of the west rail of the railroad track.

RM 2: Southeast of Station: A drill hole in a railroad spike driven into a 12 inch white oak tree set 1.2 feet above the ground. It is 42.8 feet west of the west rail of the railroad track, 56 feet east of the centerline of the northbound lane of U.S. Route 5 and 24.5 feet northwest of CL&P 17794.

RP 1: East of Station: A drill hole in an iron pin 1 inch square and 48 inches long. The top is set flush with the surface of the ground. It is located 61 feet west of the west rail of the railroad track, 56 feet east of the centerline of the northbound lane of U.S. Route 5 and 24.5 feet northwest of CL&P 17794.



NOTES:	RECOVERY NOTES		
	Date	Organization	Condition
Distances revised July 1989.			