



Station ID. 005

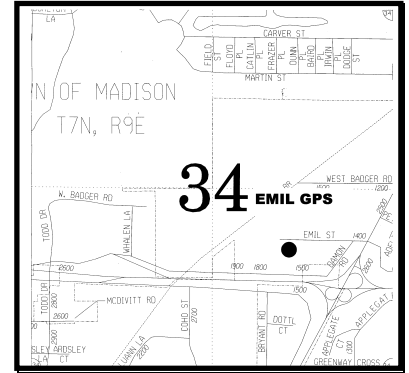
**City of Madison  
GPS Project 2002**

**Station Name: EMIL GPS**

**PID: DG2431**

Section 34 Town 07 North, Range 09 East.  
City of Madison, County of Dane, State of Wisconsin

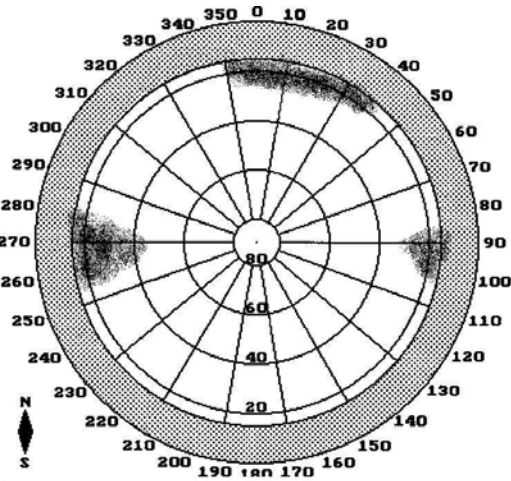
Observer: Dean Baker; Date of observation October 16, 2002  
To receive additional information pertaining to this station, go to the NGS web site. [http://www.ngs.noaa.gov/cgi-bin/ds\\_desig.pr1](http://www.ngs.noaa.gov/cgi-bin/ds_desig.pr1)



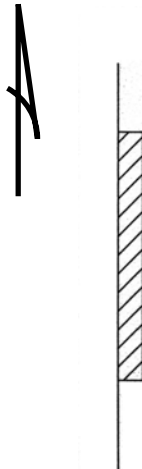
Station is reported to be First order horizontal and Third order, Class II Ellipsoid. Feet are in US Survey Foot

NAD 83 (1997)		SPC WI S		WCCS Dane Zone 83 1997	
Latitude	43 02 11.81576 (N)	Y (meters)	115,328.118	Y (feet)	468,952.06
Longitude	089 24 36.21460 (W)	X (meters)	648,073.061	X (feet)	814,251.96
NAVD 88	271.8 (meters)	Scale Factor.	0.99995268	Converg.	00 00 29.9
Ellip. Height	237.54 (meters)	Converg.	+0 24 19.3	Scale	0.999996225
Geoid 03 Ht.	-34.23 (meters)	Elev. Factor	0.99996275	Elevation by Leveling= 891.55 ft.	
		Combine Factor	0.99991543	Station Madison S. GPS was used to obtain the NAVD 88 Value	

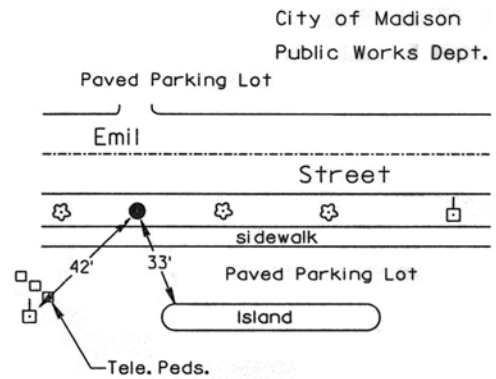
**Sky Plot**



**Not to Scale  
NORTH**



**Sketch**



**DESCRIPTION:**

TO REACH THE STATION FROM THE INTERSECTION OF US 12 18 AND FISH HATCHERY ROAD, TRAVEL NORTH ON FISH HATCHERY ROAD TO THE FIRST INTERSECTION. TRAVEL WEST TO THE END OF EMIL STREET AND THE STATION TO THE SOUTH. STATION IS LOCATED APPROXIMATELY 12.8 M (42 FT) NORTHEAST OF A POWER POLE, 10.1 M (33 FT) NORTHWEST OF A PARKING ISLAND, AND IN THE CENTER OF THE GRASS AREA BETWEEN THE SOUTH EDGE OF EMIL STREET AND THE NORTH EDGE OF THE SOUTH SIDEWALK. THE STATION IS ON THE EXTENSION OF THE ENTRANCE TO THE CITY OF MADISON PUBLIC WORKS PARKING LOT. STATION IS STAMPED EMIL GPS ON THE ACCESS COVER.