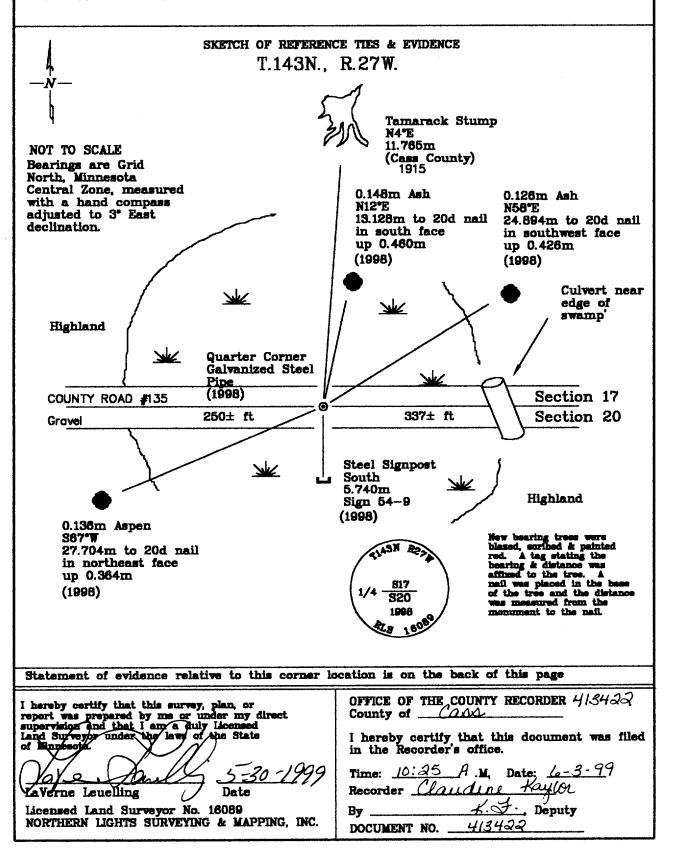
CERTIFICATE OF LOCATION OF GOVERNMENT CORNER

North Quarter Corner, Section 20, Township 143 North, Range 27 West, of the Fifth Principal Meridian, Cass County, Minnesota.

November, 1998, Northern Lights Surveying and Mapping, Inc. perpetuated the original General Land Office (G.L.O.) quarter corner using the remains of a 1915 era County reference and a 1925 call for a culvert.



Statement of Evidence

North Quarter Corner, Section 20, Township 143 North, Range 27 West, of the Fifth Principal Meridian, Cass County, Minnesota.

1873; General Land Office (G.L.O.) survey notes; Deputy Surveyor William Allen set a wooden post for the quarter corner and referenced it with the following:

5" (0.127m) Tamarack S44 E

6" (0.152m) Tamarack N47°E

Swamp edge east 5 chains Swamp edge west 4 chains

21 Links (4.225m)

15 Links (3.018m)

Said records are on file with the Secretary of State, St. Paul, Minnesota; copies of these records are on file with the Cass County Surveyor's Office, Walker, Minnesota.

(1910-1915); Plat of State Rural Highway #45, p. 97, Survey Record Book "B", #260; George A Ralph found an old post and the following references:

8" (0.203m) Tamarack

5" (0.127m) Tamarack

N31°30'E 116 Feet (35.357m) S52*36"E 134 Feet (40.843m)

He established the following new references:

6" (0.152m) Tamarack

6" (0.152m) Cedar

S27°30'E

38.6 Feet (11.765m)

43.6 Feet (13.298m)

1925; Cass County Construction notes for RT 45(now 135); the notes showed the corner in the centerline of the highway and 337 feet (102.718m) west of a culvert. The references were: 6" (0.152m) Tamarack Stump Telephone Pole

Northeast 38.6 Feet (11.765m)

Southwest 32.5 Feet (9.906m)

November 14, 1969; United States Department of Agriculture - Forest Service (U.S.D.A.-F.S.) T.143N. R.27W. Corner Restoration Book #2, p. 4; William Okerman LS# 6807 searched the area, and found it badly burned and cut over.

October, 1996; Northern Lights Surveying and Mapping, Inc. crew of Foster and Heinle located a tamarack stump which matched the company's calculated position for the corner. Later that month, LaVerne Levelling and Heinle returned to the location and searched the immediate area for culverts.

November, 1998; Heinle and Matt Brunner returned to the area and made a final search for evidence. They pulled a record distance from a culvert called out in a 1925 road alignment survey and intersected that distance and the record distance to the tamarack stump found during the earlier search. They then set a 0.015m diameter galvanized steel pipe 0.610m long for the quarter corner, 0.250m below the road surface, and referenced the monument with the following:

0.148m Ash

0.126m Ash

0.136m Aspen

Steel Signpost

N12°E 13.128m to 20d nail N58°E 24.894m to 20d nail S67°₩ 27.704m to 20d nail in northeast face

South 5.740m Sign 54-9

in south face up 0.460m

in southwest face up 0.426m

up 0.364m

The crew set a bearing tree tag at the remains of the tamarack stump.

Northern Lights Surveying and Mapping, Inc. Boy River Township Field Book #2, p. 16.

Coordinates:

Cass County North

State Plane Coordinate System Minnesota Central Zone

Northing = 74128.327 meters Easting = 159295.597 meters

NAD 83

Northing = 344116.954 meters Easting = 809421.098 meters

Latitude = 47°11'46.22165" North Longitude = 94°07'32.44079" West