

PLAT OF SURVEY FOR DEAN MAPES  
IN SECTION 6, T78N, R27W OF THE  
5TH P.M., MADISON COUNTY, IOWA.

NW CORNER  
SEC 6-78-27

N 89°58'58"E. - 5,487.34'  
3,291.71'

1,517.29'(M)

NW COR  
NE 1/4 NW 1/4  
SEC 6-78-27

NW NW

NE NW

FILED NO. 1971

BOOK 2 PAGE 367

93 FEB -5 PM 1:25

MICHELLE JUTSLER  
RECORDER  
MADISON COUNTY, IOWA

Fee \$15 00

N.00°01'43"E. 2625.61'

1,304.53'(M)

N.01°00'14"E. 1337.35'(M)

S 89°48'01"E 1484.87'(M)

NW COR.  
SW 1/4 NW 1/4  
SEC 6-78-27

SW NW

SE NW

MATCH LINE

GROSS AREA = 488.224 ACRES  
ROAD R.O.W. = 19.758 ACRES  
NET AREA = 468.466 ACRES

W. 1/4 COR  
SEC. 6-78-27

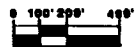
6

NW SW

NE SW

2884.98' (R)  
2884.43' (M)

SCALE: 1" = 400'



DATE OF SURVEY:

DECEMBER 1, 2, 3, 9,  
21, & 22, 1992

N.00°00'00"

N.10°04'28"W

N.10°04'28"W

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N.10°04'28"W

SW SW

SE SW

- ▲ FOUND STONE
- FOUND IRON ROD
- FOUND NAIL IN PAVEMENT
- FOUND CONC MONUMENT
- △ SET NAIL IN PAVEMENT
- SET C.I.R. #5041
- ⊙ SET R.R. SPIKE
- (R) RECORDED DIMENSION
- (M) MEASURED DIMENSION



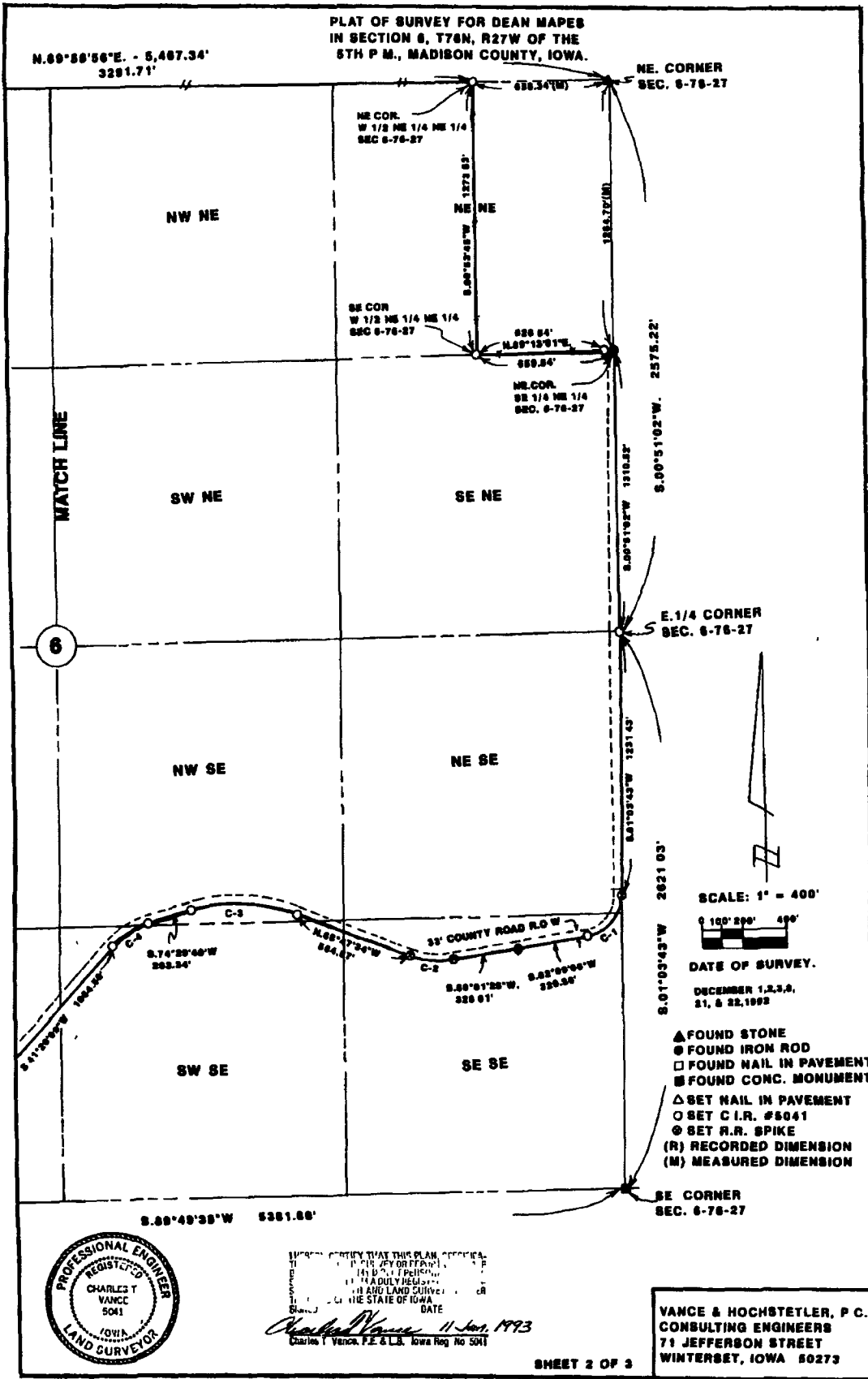
SW CORNER  
SEC. 6-78-27

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED SURVEYOR OF THE STATE OF IOWA.

DATE: 11 Jan. 1993  
Charles T. Vance, P.E. & L.S., Iowa Reg. No. 5011

S 89°48'38"W. - 5,381.88'

VANCE & HOCHSTETLER, P.C.  
CONSULTING ENGINEERS  
71 JEFFERSON STREET  
WINTERSSET, IOWA 50273-367



**PLAT OF SURVEY FOR DEAN MAPES  
IN SECTION 8, T78N, R27W OF THE  
5TH P.M., MADISON COUNTY, IOWA**

**DESCRIPTION:**

A parcel of land located in Section 8, Township 78 North, Range 27 West of the 5th Principal Meridian, Madison County, Iowa, more particularly described as follows:

Beginning at the West Quarter Corner of Section 8, T78N, R27W of the 5th P.M., Madison County, Iowa; thence, along the West line of said Section 8, North 00°01'43" East 1321.06 feet; thence South 88°48'01" East 1494.87 feet; thence North 01°00'14" East 1337.38 feet to the NW. Corner of the NE. 1/4 of the NW. 1/4 of said Section 8; thence North 89°58'58" East 3291.71 feet to the NE. Corner of the W. 1/2 of the NE. 1/4 of the NE. 1/4 of said Section 8; thence South 00°53'45" West 1273.53 feet to the SE. Corner of said W. 1/2; thence North 89°13'01" East 859.34 feet to the NE. Corner of the SE. 1/4 of the NE. 1/4 of said Section 8 and the centerline of a county road; thence, along said centerline, South 00°51'02" West 1310.52 feet to the E. 1/4 Corner of said Section 8; thence, along the East line of the SE. 1/4 of said Section 8, South 01°03'43" West 1231.43 feet to the beginning of a curve concave Northwestwardly; thence, Southwestwardly 280.41 feet along said curve, having a radius of 184.00 feet, a central angle of 81°05'23" and a chord bearing South 41°38'24" West 239.22 feet; thence South 82°08'08" West 320.80 feet; thence South 80°01'28" West 328.01 feet to the beginning of a curve concave Northwardly; thence Westwardly 203.00 feet along said curve, having a radius of 373.00 feet, a central angle of 31°10'58" and a chord bearing North 84°23'03" West 200.51 feet; thence North 88°47'34" West 584.57 feet to the beginning of a curve concave Southwardly, thence Westwardly 507.80 feet along said curve, having a radius of 782.50 feet, a central angle of 38°42'48" and a chord bearing North 87°08'57" West 498.18 feet; thence South 74°29'40" West 203.34 feet to the beginning of a curve concave Southeastwardly; thence Southwestwardly 204.29 feet along said curve, having a radius of 353.00 feet, a central angle of 33°09'31" and a chord bearing South 57°54'55" West 201.45 feet; thence South 41°20'09" West 1084.50 feet to the beginning of a curve concave Northwestwardly; thence Southwestwardly 431.81 feet along said curve, having a radius of 552.00 feet, a central angle of 44°48'00" and a chord bearing South 83°44'09" West 420.70 feet; thence South 88°08'09" West 1798.50 feet to the intersection of said county road centerline and the centerline curve concave Westwardly of old Highway #189; thence Northwardly 820.53 feet along said curve, having a radius of 1837.02 feet, a central angle of 32°13'08" and a chord bearing North 00°48'02" West 808.45 feet; thence North 18°54'35" West 208.43 feet to a curve concave Eastwardly; thence Northwardly 483.13 feet along said curve, having a radius of 1837.02 feet, a central angle of 18°54'35" and a chord bearing North 08°27'17" West 481.38 feet; thence North 00°00'00" 893.38 feet to the Point of Beginning. Said parcel of land contains 488.224 acres, including 19.758 acres of public road right-of-way.

**CURVE TABLE**

**C - 1**  
R = 184.00  
Δ = 81°05'23"  
L = 280.41  
T = 157.40  
chd = 239.22  
S. 41°38'24" W

**C - 2**  
R = 373.00  
Δ = 31°10'58"  
L = 203.00  
T = 104.08  
chd = 200.51  
N 84°23'03" W

**C - 3**  
R = 782.50  
Δ = 38°42'48"  
L = 507.80  
T = 282.08  
chd = 498.18  
N 87°08'57" W.

**C - 4**  
R = 353.00  
Δ = 33°09'31"  
L = 204.29  
T = 105.10  
chd = 201.45  
S. 57°54'55" W

**C - 5**  
R = 552.00  
Δ = 44°48'00"  
L = 431.81  
T = 227.52  
chd = 420.70  
S. 83°44'09" W

**C - 6**  
R = 1837.02  
Δ = 32°13'08"  
L = 820.83  
T = 472.79  
chd = 808.45  
N 00°48'02" W.

**C - 7**  
R = 1837.02  
Δ = 18°54'35"  
L = 483.13  
T = 243.34  
chd = 481.38  
N 08°27'17" W

**AREA TABLE**  
Section 8-78-27

NE 1/4 NE 1/4 Area = 19.328 acres	NW 1/4 NE 1/4 Area = 39.052 acres
SE 1/4 NE 1/4 Gross = 39.819 acres R.O.W. = 1.317 acres Net = 38.502 acres	NE 1/4 NW 1/4 Area = 39.314 acres
NE 1/4 SE 1/4 Gross = 39.843 acres R.O.W. = 1.297 acres Net = 38.546 acres	SE 1/4 NW 1/4 Area = 39.415 acres
SE 1/4 SE 1/4 Gross = 4.033 acres R.O.W. = 1.023 acres Net = 3.010 acres	NE 1/4 SW 1/4 Area = 39.275 acres
SW 1/4 SE 1/4 Gross = 1.828 acres R.O.W. = 0.453 acres Net = 1.375 acres	SE 1/4 SW 1/4 Gross = 27.932 acres R.O.W. = 1.228 acres Net = 26.704 acres
NW 1/4 SE 1/4 Gross = 38.477 acres R.O.W. = 0.989 acres Net = 37.488 acres	SW 1/4 SW 1/4 Gross = 33.598 acres R.O.W. = 4.615 acres Net = 28.983 acres
SW 1/4 NE 1/4 Area = 39.458 acres	NW 1/4 SW 1/4 Gross = 43.245 acres R.O.W. = 5.815 acres Net = 37.430 acres
	SW 1/4 NW 1/4 Gross = 44.209 acres R.O.W. = 3.211 acres Net = 41.008 acres



I HEREBY CERTIFY THAT THIS PLAT OF SURVEY WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF IOWA.  
 Charles T. Vance, P.E. & L.S. Iowa Reg. No. 5911  
 11 Jan. 1993

**VANCE & HOCHSTETLER, P.C.**  
**CONSULTING ENGINEERS**  
 71 JEFFERSON  
 WINTERSBET, IOWA 50273