# GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
HARDIN COUNTY, IOWA

DESIGNATION 892015 3 GPS No. 8041 COUNTY HARDIN STATE IOWA

LOCATED IN SECTION 15 TWP 89 N RGE 20 W USGS QUAD MAP IOWA FALLS EAST

TO REACH FROM

AT THE "T" INTERSECTION OF 130th STREET TO WEST AND 00 AVENUE, EAST OF INTERSECTION.

MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT

☐ MARK EXISTING ☐ VALUES AS PUBLISHED BY

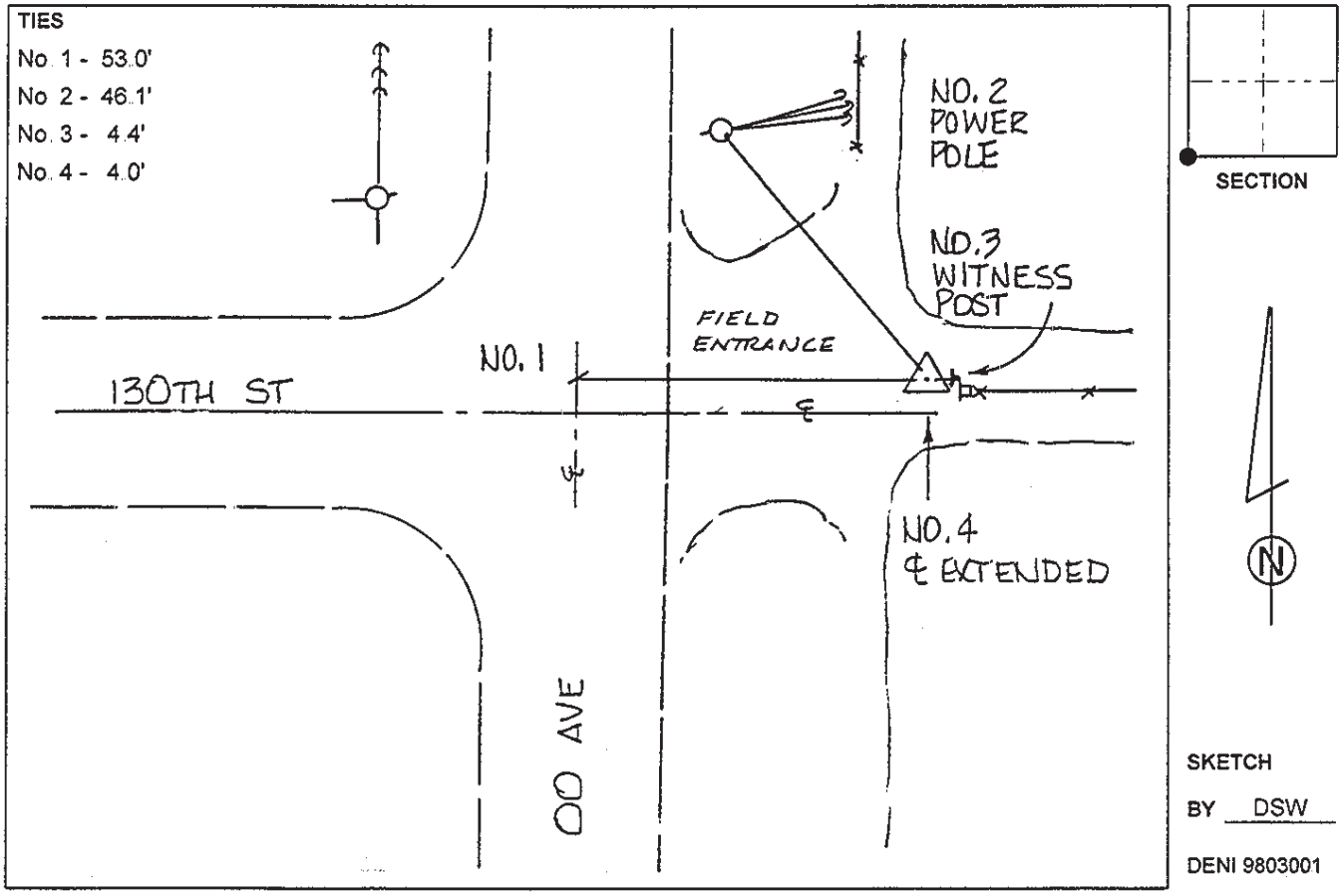
☒ MARK SET ☒ VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998

HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

IOWA COORDINATE SYSTEM, NORTH ZONE

SCALE FACTOR: 0.99994891

| COORDINATES (US FEET) | | COORDINATES (METERS) | |
|---|---|---|---|
| NORTHING (Y) | 3650755.30 | NORTHING (Y) | 1112752.440 |
| EASTING (X) | 5001012.67 | EASTING (X) | 1524311.709 |

VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

ELEVATION (US FEET) 1115.48 ELEVATION (METERS) 340.00