GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
HARDIN COUNTY, IOWA

DESIGNATION 21 LAP GPS No. 9808 COUNTY HARDIN STATE IOWA

LOCATED IN SECTION 19 TWP 86 N RGE 20 W USGS QUAD MAP STATE CENTER NW

TO REACH FROM THE INTERSECTION OF COUNTY HIGHWAY D65 AND MM AVENUE; GO EAST 0.5 MILE TO MARK.

MARK STANDARD U.S.G.S. DISK ON ROD IN 6" DIAMETER CONCRETE TILE, PROJECTS 2", STAMPED "21 LAP 1974"

☒ MARK EXISTING ☐ VALUES AS PUBLISHED BY

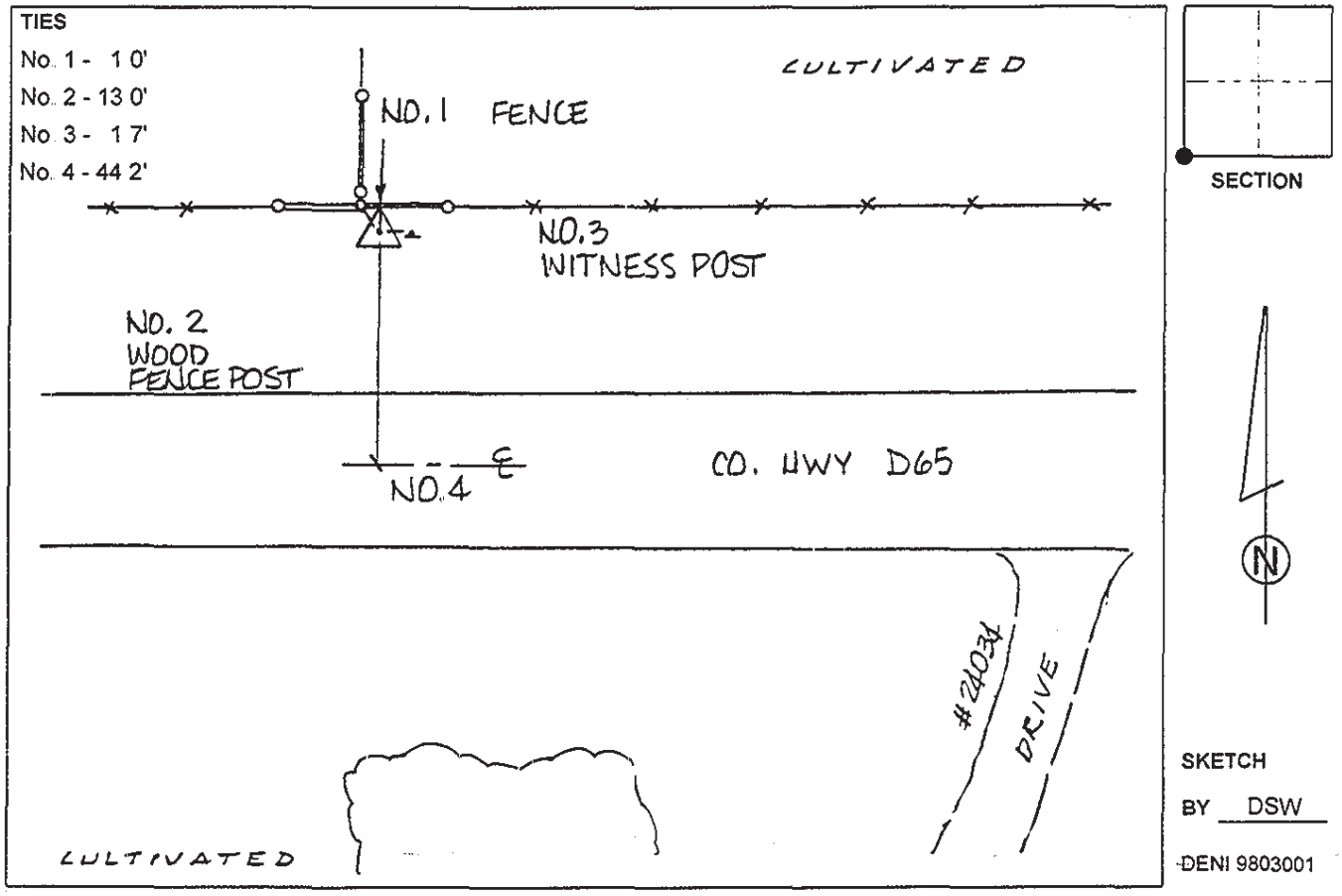
☐ MARK SET ☒ VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998

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: 0.99997330

COORDINATES (US FEET)		COORDINATES (METERS)	
NORTHING (Y)	3549929.40	NORTHING (Y)	1082020.646
EASTING (X)	4993900.74	EASTING (X)	1522143.990

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) 1136.48 ELEVATION (METERS) 346.40