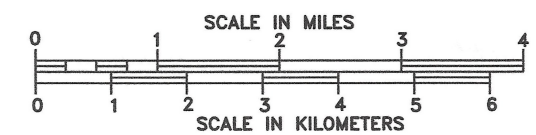


Hancock Co, Iowa 2004 GPS Survey Control Network

Prepared by:
Dan Corbin, Inc.
05-09-2005

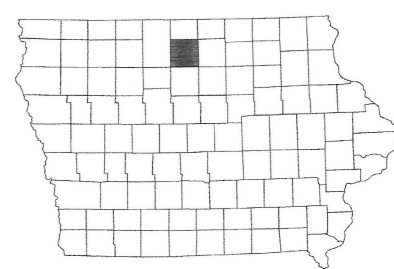
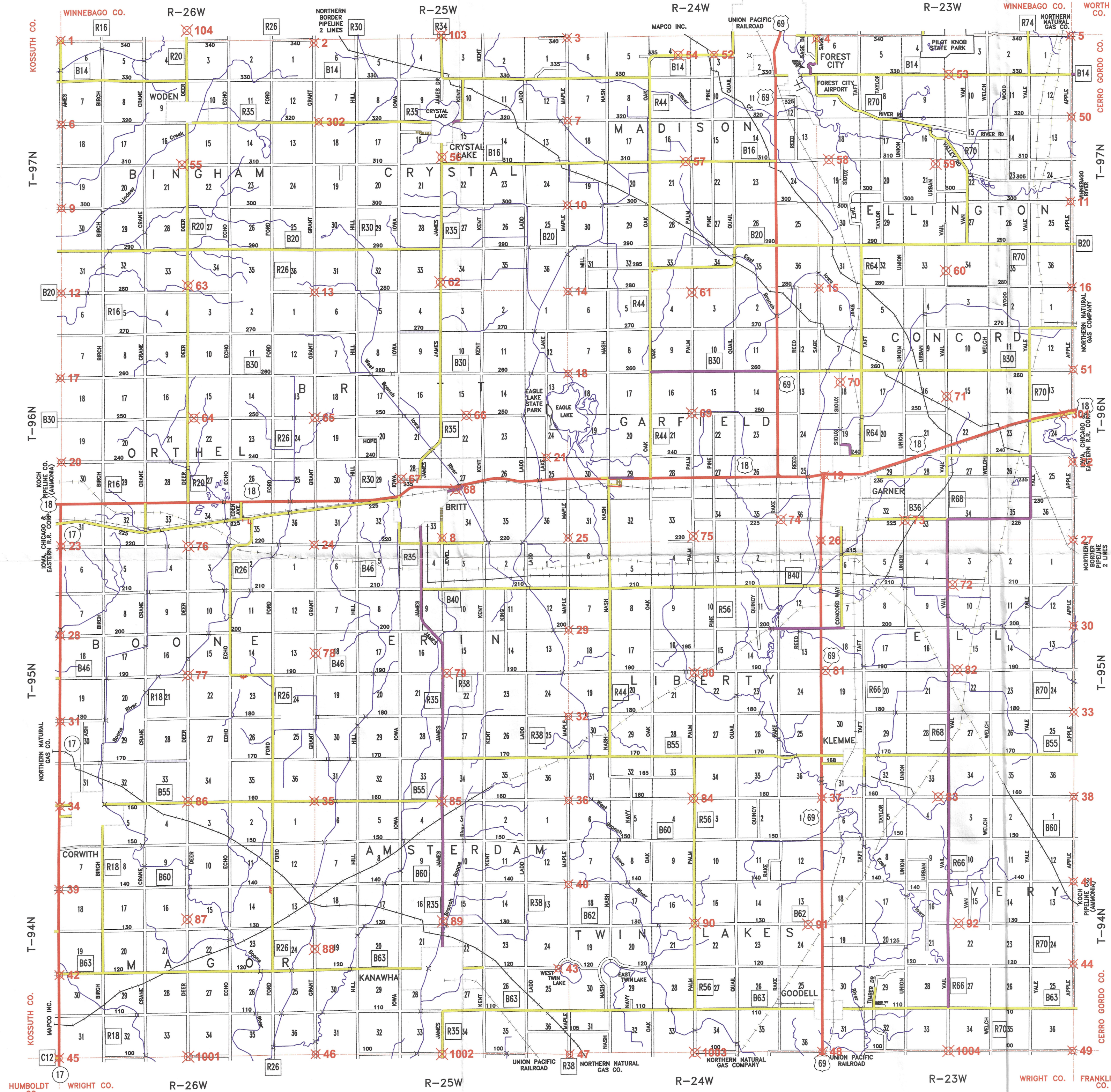


LEGEND

- INTERSTATE HIGHWAY
- DIVIDED HIGHWAY
- NON-DIVIDED HIGHWAY
- PAVED COUNTY ROAD
- BITUMINOUS COUNTY ROAD
- GRAVEL COUNTY ROAD
- EARTH COUNTY ROAD
- INTERSTATE HIGHWAY
- UNITED STATES HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY
- RAILROAD
- PIPELINE
- AIRPORT
- HYDROLOGY
- BRIDGE
- STATE BOUNDARY
- COUNTY BOUNDARY
- CORPORATE LIMIT LINE
- TOWNSHIP LINE
- SECTION LINE

Hancock Co. GPS Survey Monument

38



Hancock County Iowa

National Adjustment 2011 (NA2011)

Iowa North (1401) & IaRCS Zone 2

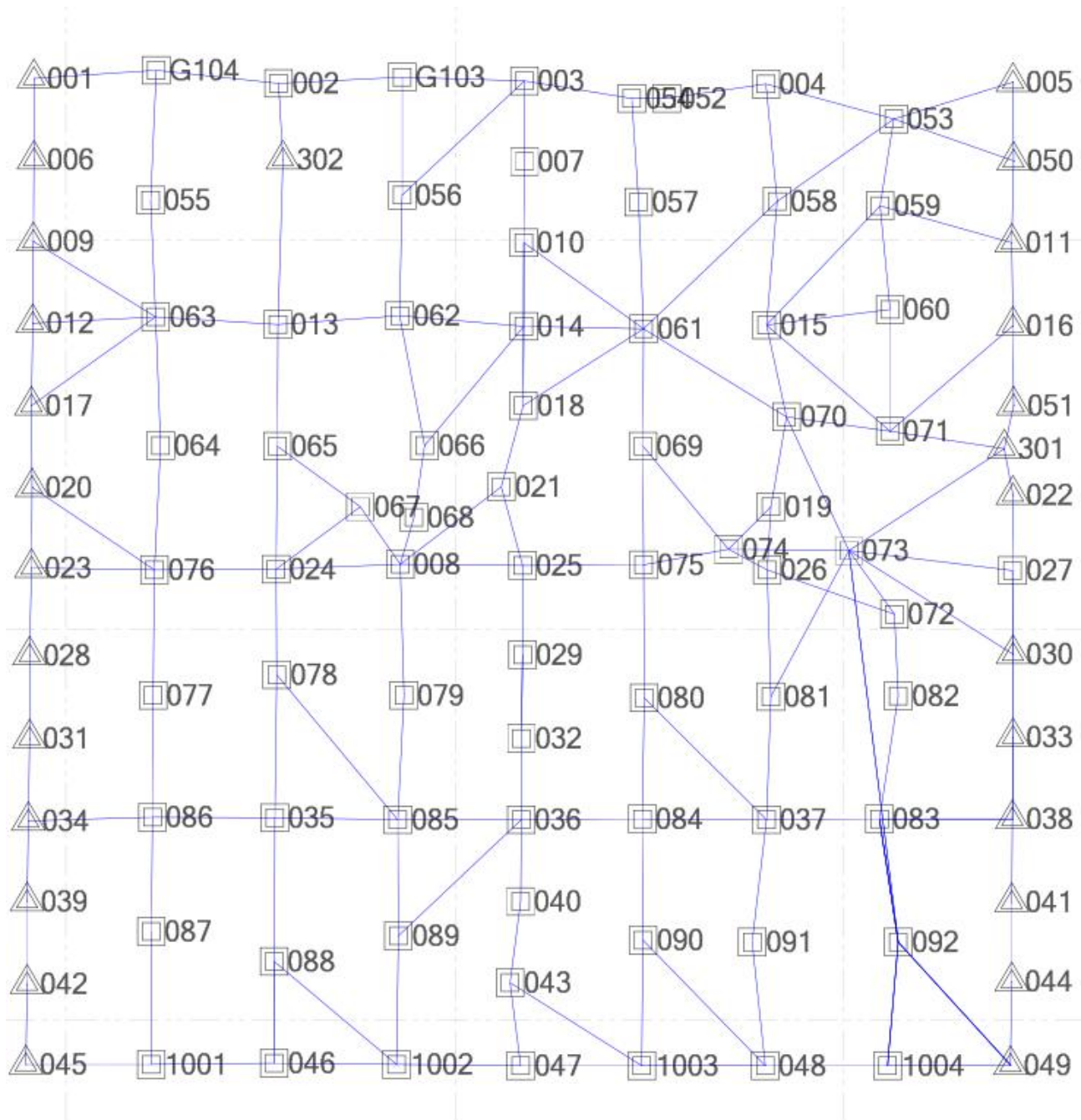
Monument Records

2015

Dan Corbin, Inc.
28 River Ridge Lane
Cedar Falls, IA 50613



Cell: (319) 231-7047
Fax: (319) 266-3398
E-Mail: dcorbin@cfu.net



Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **1**

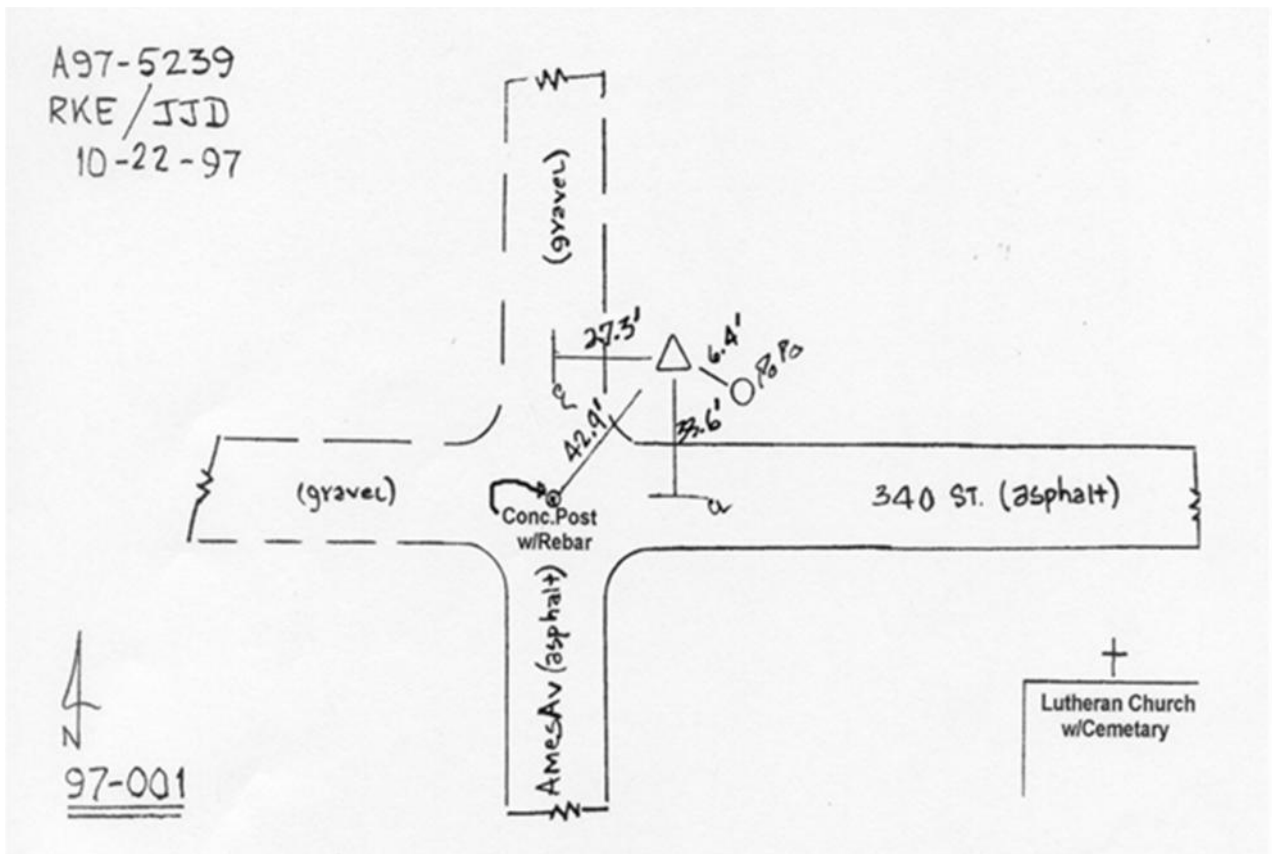
Designation: 97-001 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°15'19.58100"** Longitude: **W93°58'13.10960"**
NAVD 88 Ortho Height: **1183.800sft** Ellip. Ht: **1088.320sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3920926.921sft** Easting: **4795955.403sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999946044**

IaRCS Zone 2 Northing: **9834726.678sft** Easting: **12174893.046sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999992084**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **2**

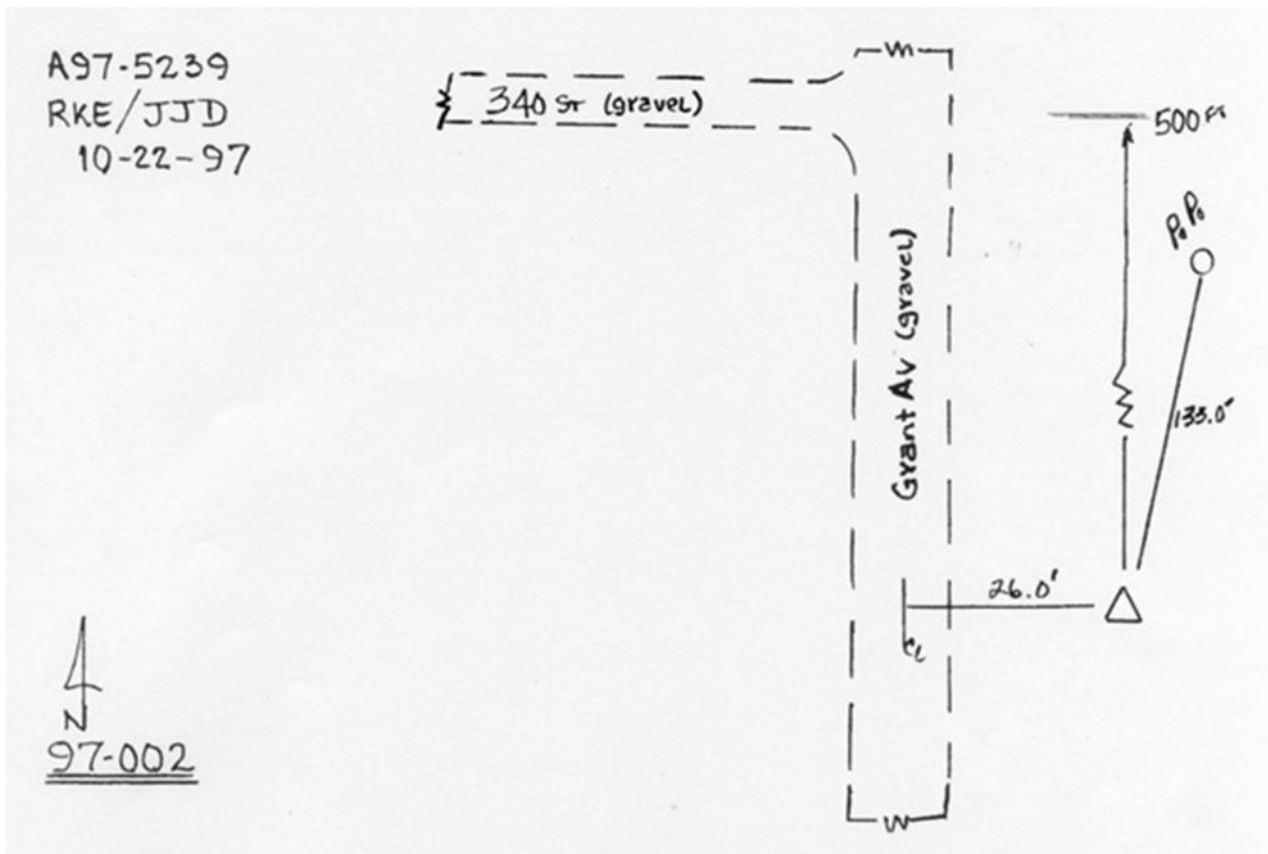
Designation: 97-002 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°15'15.13542"** Longitude: **W93°51'07.45040"**
NAVD 88 Ortho Height: **1256.910sft** Ellip. Ht: **1160.646sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3920323.606sft** Easting: **4827453.225sft**
Mapping Angle: **-0°14'19"** Combination Scale Factor: **0.999942372**

laRCS Zone 2 Northing: **9833839.841sft** Easting: **12206385.620sft**
Mapping Angle: **-00° 45' 14"** Combination Scale Factor: **0.999988588**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **3**

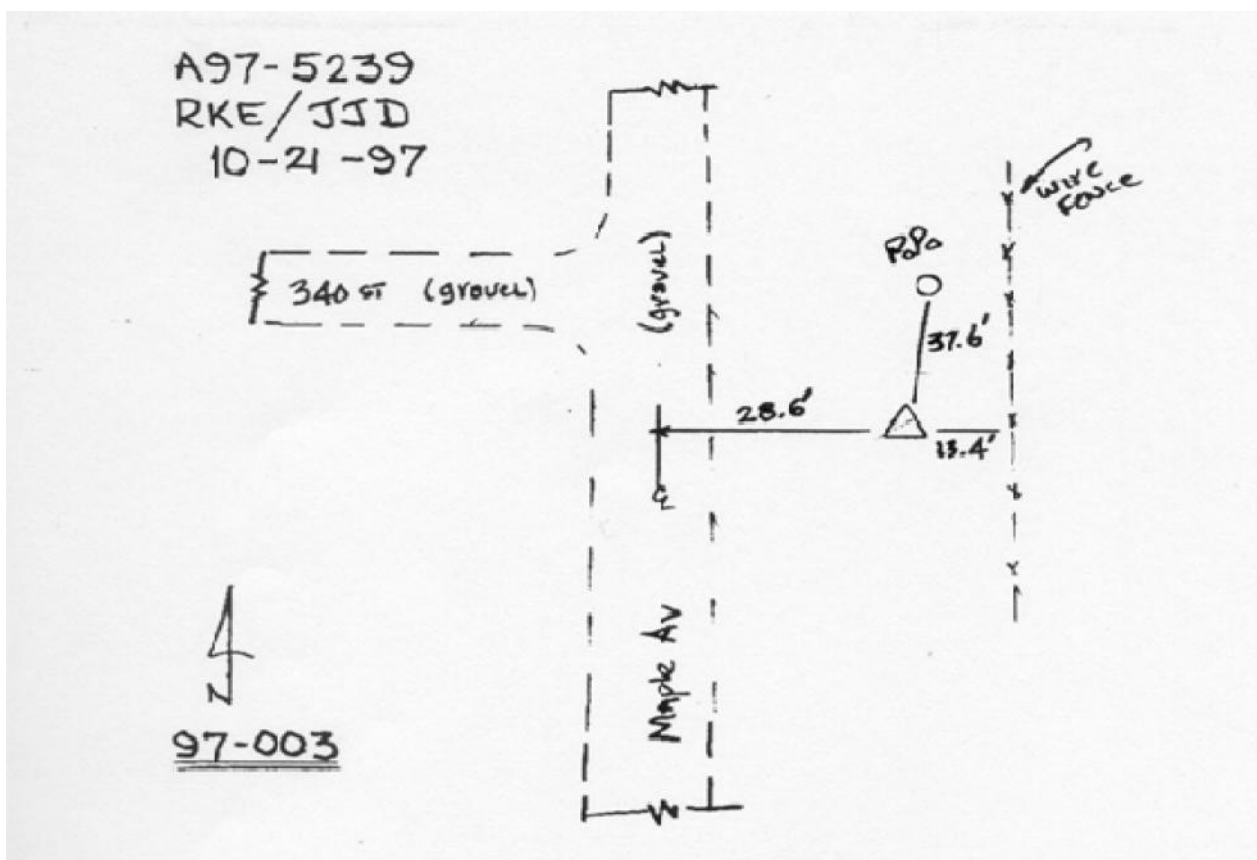
Designation: 97-003 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°15'18.98822"** Longitude: **W93°44'00.92996"**
NAVD 88 Ortho Height: **1275.190sft** Ellip. Ht: **1178.398sft** Geoid12A

Iowa North Zone (1401) Northing: **3920604.358sft** Easting: **4859018.547sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999941717**

IaRCS Zone 2 Northing: **9833836.884sft** Easting: **12237953.654sft**
Mapping Angle: **-00° 40' 22"** Combination Scale Factor: **0.999987767**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **4**

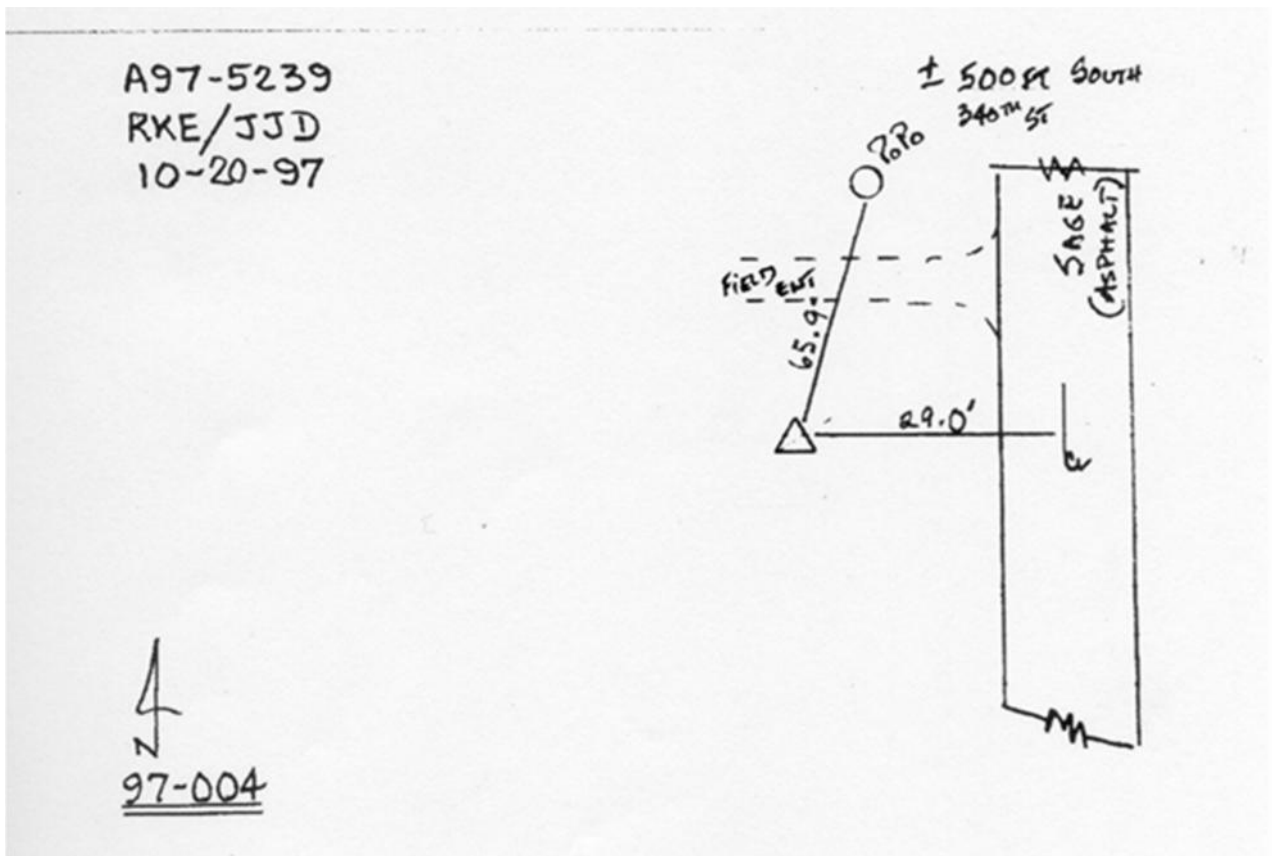
Designation: 97-004 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°15'16.28448"** Longitude: **W93°37'01.41991"**
NAVD 88 Ortho Height: **1228.950sft** Ellip. Ht: **1132.028sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3920266.226sft** Easting: **4890063.197sft**
Mapping Angle: **-0°04'46"** Combination Scale Factor: **0.999943794**

IaRCS Zone 2 Northing: **9833220.125sft** Easting: **12268995.456sft**
Mapping Angle: **-00° 35' 35"** Combination Scale Factor: **0.999989967**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **5**

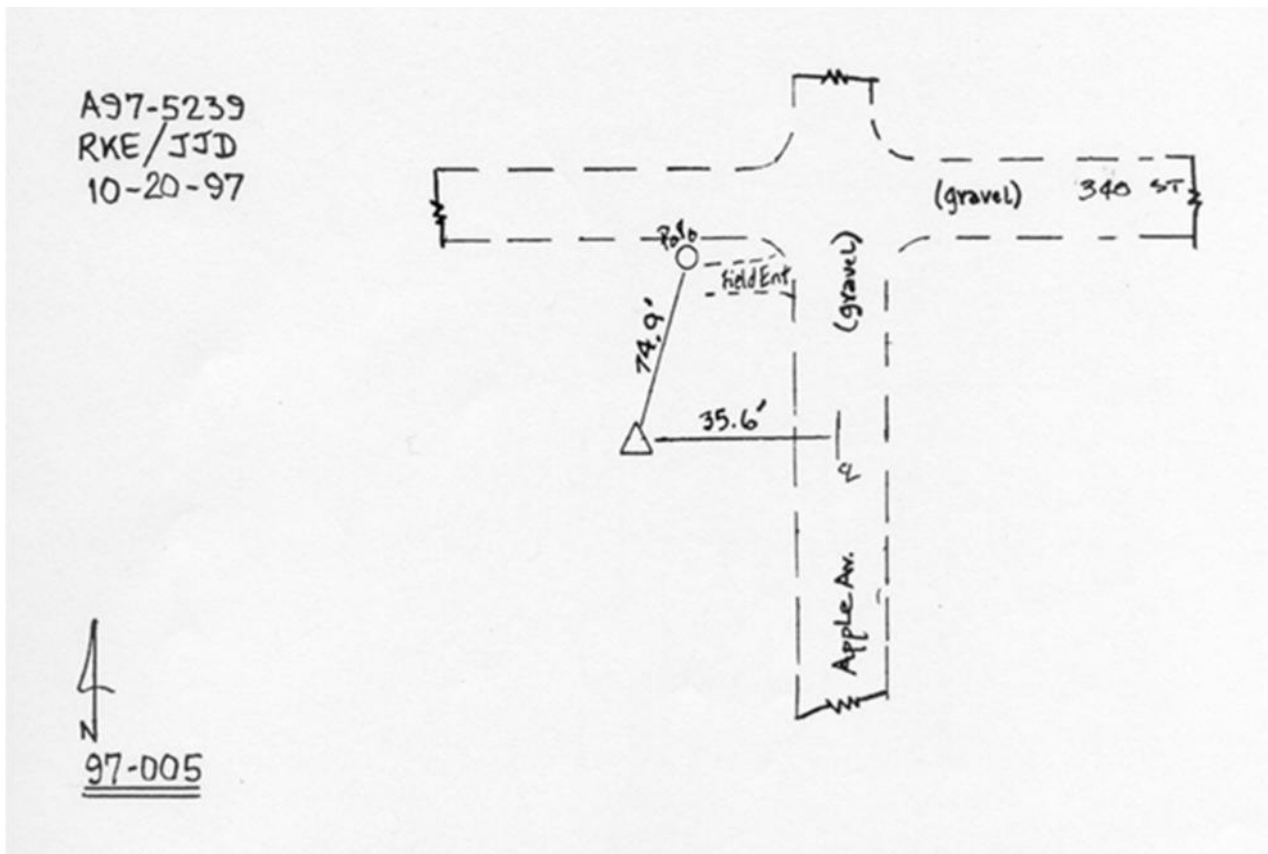
Designation: 97-005 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°15'18.61324"** Longitude: **W93°29'51.95940"**
NAVD 88 Ortho Height: **1263.390sft** Ellip. Ht: **1167.199sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3920480.423sft** Easting: **4921845.031sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999942232**

IaRCS Zone 2 Northing: **9833149.501sft** Easting: **12300779.406sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999988300**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **6**

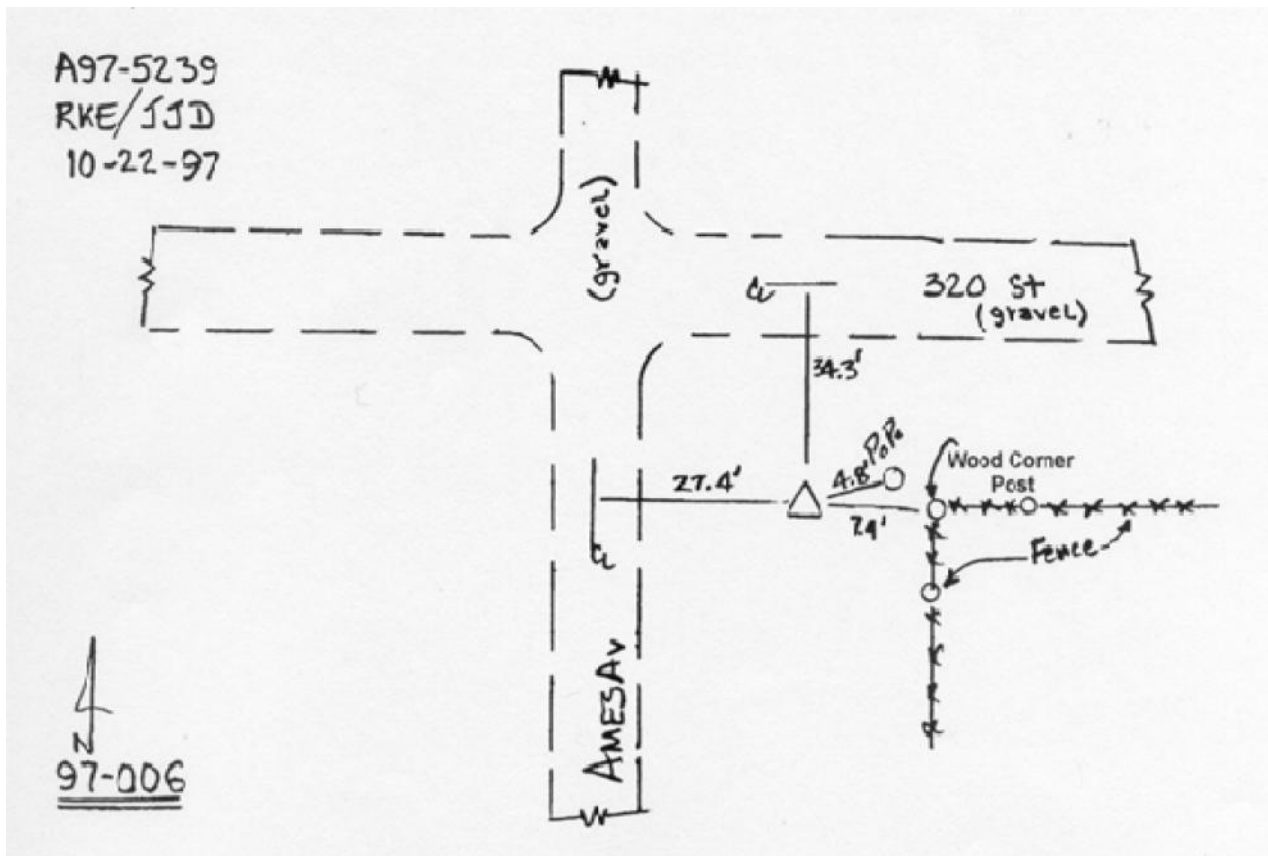
Designation: 97-006 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°13'36.57337"** Longitude: **W93°58'12.41743"**
NAVD 88 Ortho Height: **1168.000sft** Ellip. Ht: **1072.401sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3910497.546sft** Easting: **4795948.629sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999941799**

IaRCS Zone 2 Northing: **9824297.282sft** Easting: **12174792.326sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999992199**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **7**

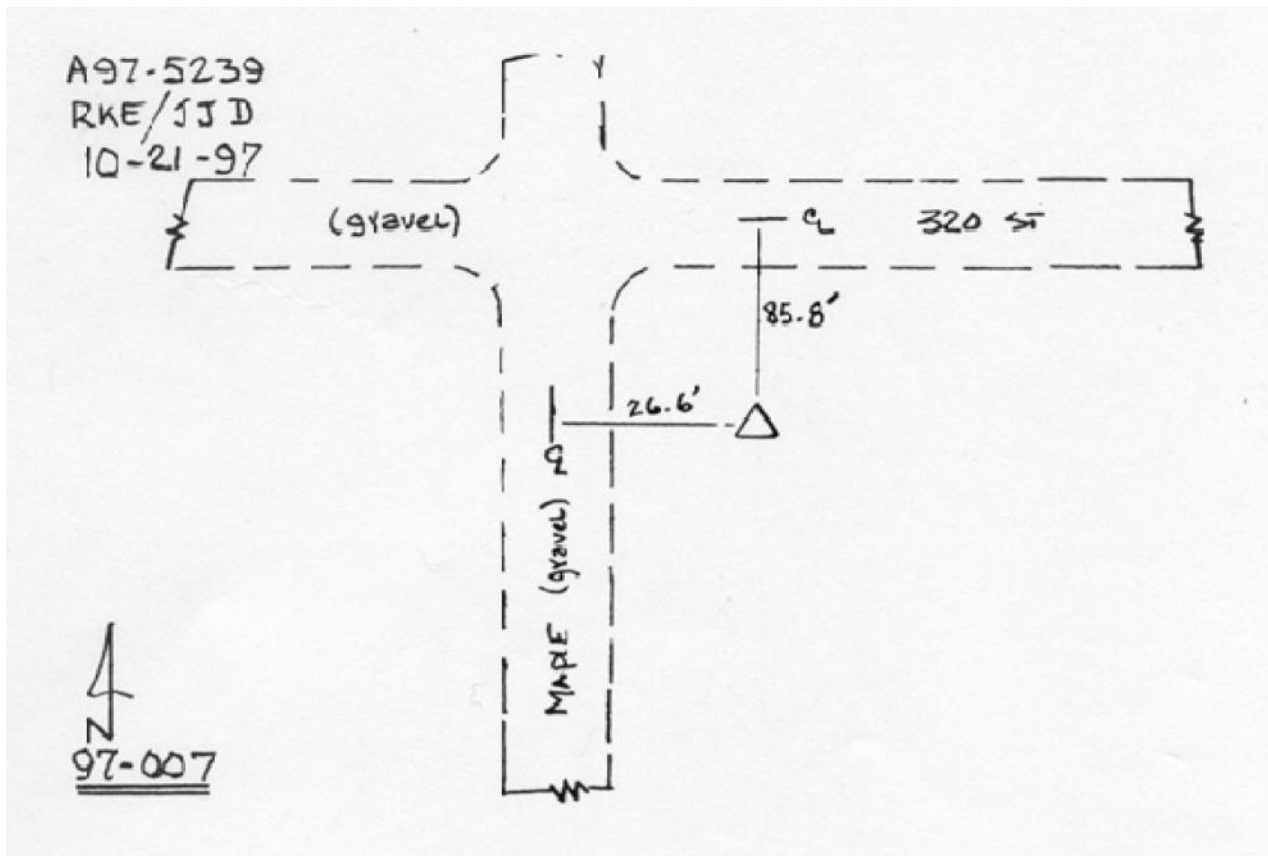
Designation: 97-007 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°13'37.47351"** Longitude: **W93°44'00.76300"**
NAVD 88 Ortho Height: **1222.200sft** Ellip. Ht: **1125.363sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3910326.266sft** Easting: **4859002.509sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999939315**

IaRCS Zone 2 Northing: **9823558.854sft** Easting: **12237845.303sft**
Mapping Angle: **-00° 40' 22"** Combination Scale Factor: **0.999989668**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **8**

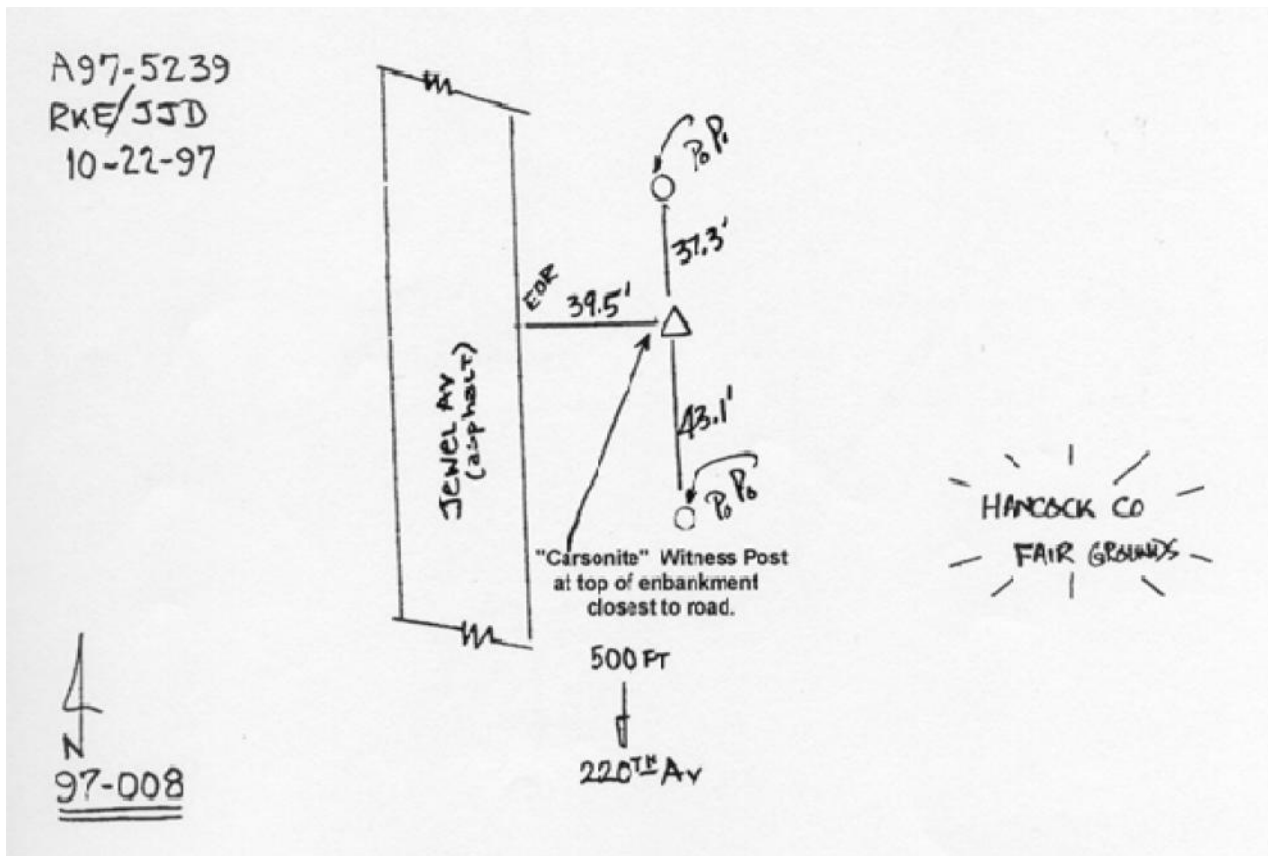
Designation: 97-008 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°05'05.79460"** Longitude: **W93°47'33.81325"**
NAVD 88 Ortho Height: **1223.520sft** Ellip. Ht: **1126.786sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3858571.007sft** Easting: **4843049.604sft**
Mapping Angle: **-0°11'54"** Combination Scale Factor: **0.999918095**

laRCS Zone 2 Northing: **9771945.843sft** Easting: **12221427.049sft**
Mapping Angle: **-00° 42' 48"** Combination Scale Factor: **0.999990057**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **9**

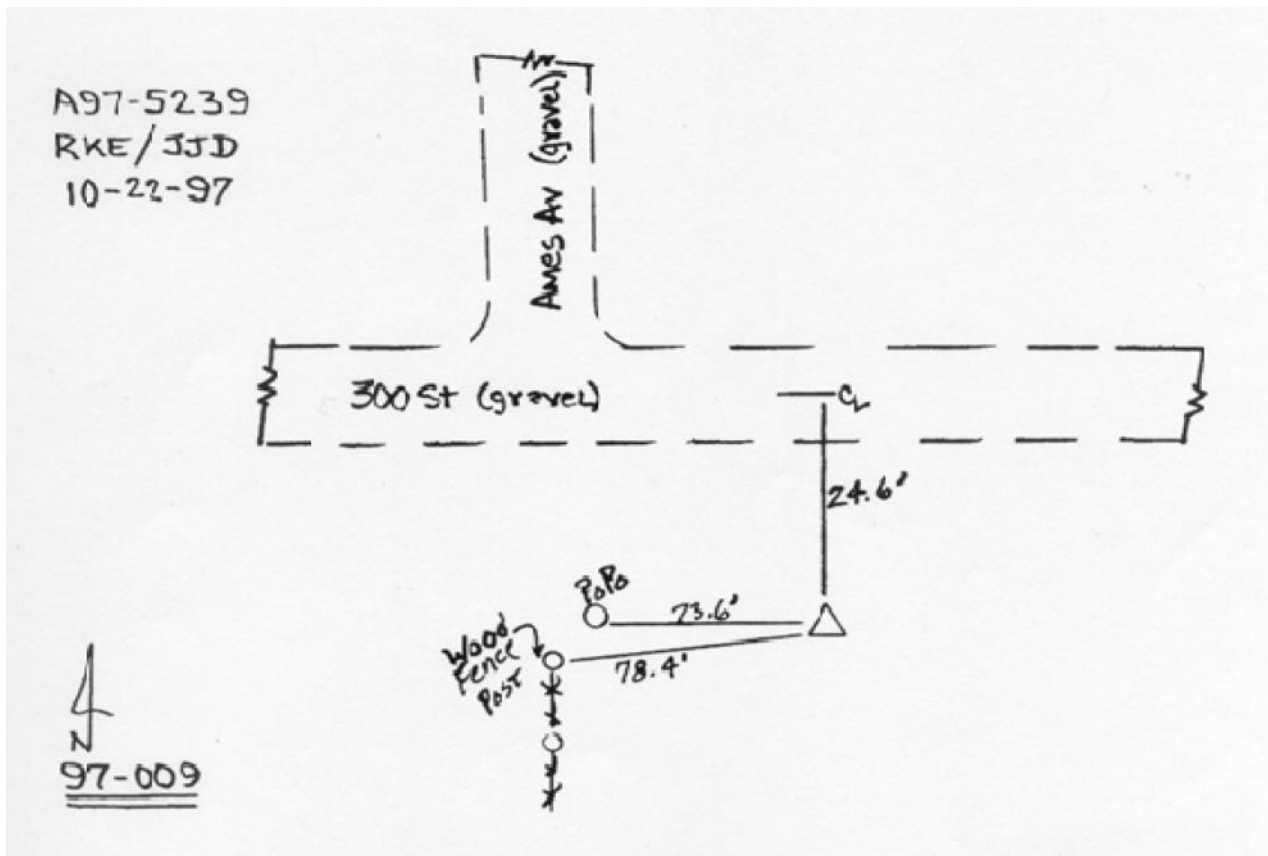
Designation: 97-009 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°11'53.04306"** Longitude: **W93°58'11.84348"**
NAVD 88 Ortho Height: **1204.700sft** Ellip. Ht: **1108.977sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3900015.405sft** Easting: **4795932.852sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999935278**

IaRCS Zone 2 Northing: **9813815.155sft** Easting: **12174682.128sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999990048**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **10**

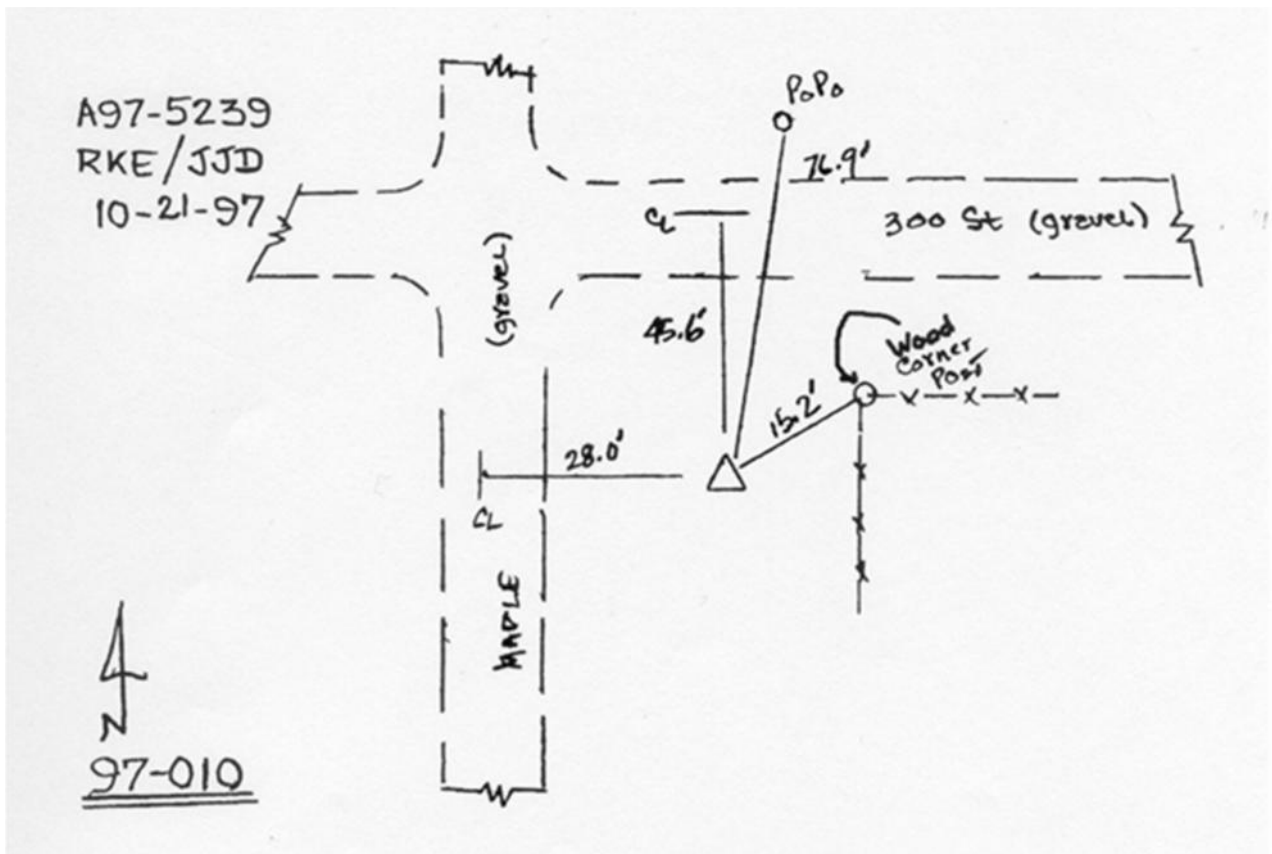
Designation: 97-010 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°11'53.74826"** Longitude: **W93°44'01.11856"**
NAVD 88 Ortho Height: **1217.920sft** Ellip. Ht: **1121.052sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3899824.574sft** Easting: **4858947.160sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999934733**

IaRCS Zone 2 Northing: **9813057.529sft** Easting: **12237695.632sft**
Mapping Angle: **-00° 40' 23"** Combination Scale Factor: **0.999989471**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **11**

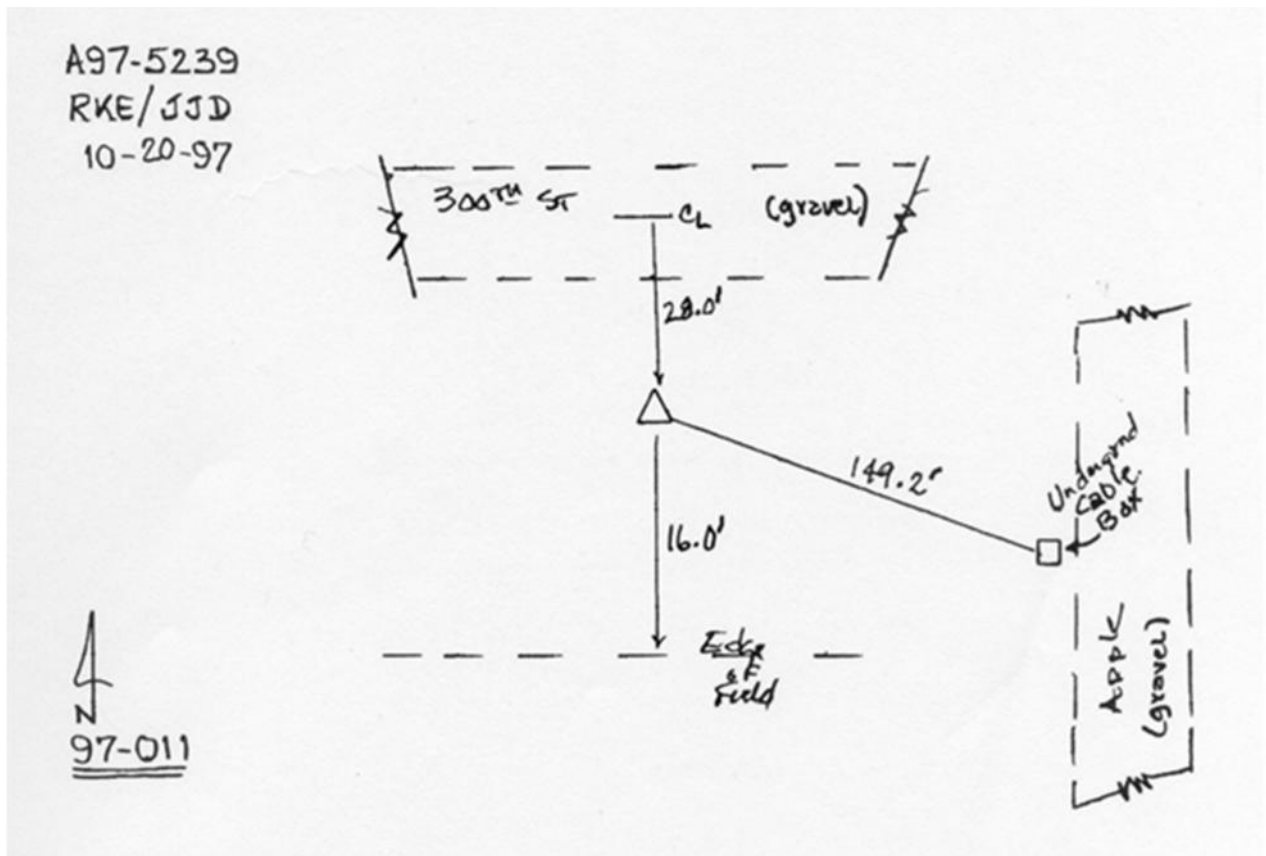
Designation: 97-011 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°11'54.76311"** Longitude: **W93°29'53.78407"**
NAVD 88 Ortho Height: **1222.730sft** Ellip. Ht: **1127.127sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3899841.234sft** Easting: **4921710.421sft**
Mapping Angle: **0°00'04"** Combination Scale Factor: **0.999934489**

IaRCS Zone 2 Northing: **9812511.300sft** Easting: **12300459.965sft**
Mapping Angle: **-00° 30' 43"** Combination Scale Factor: **0.999989183**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **12**

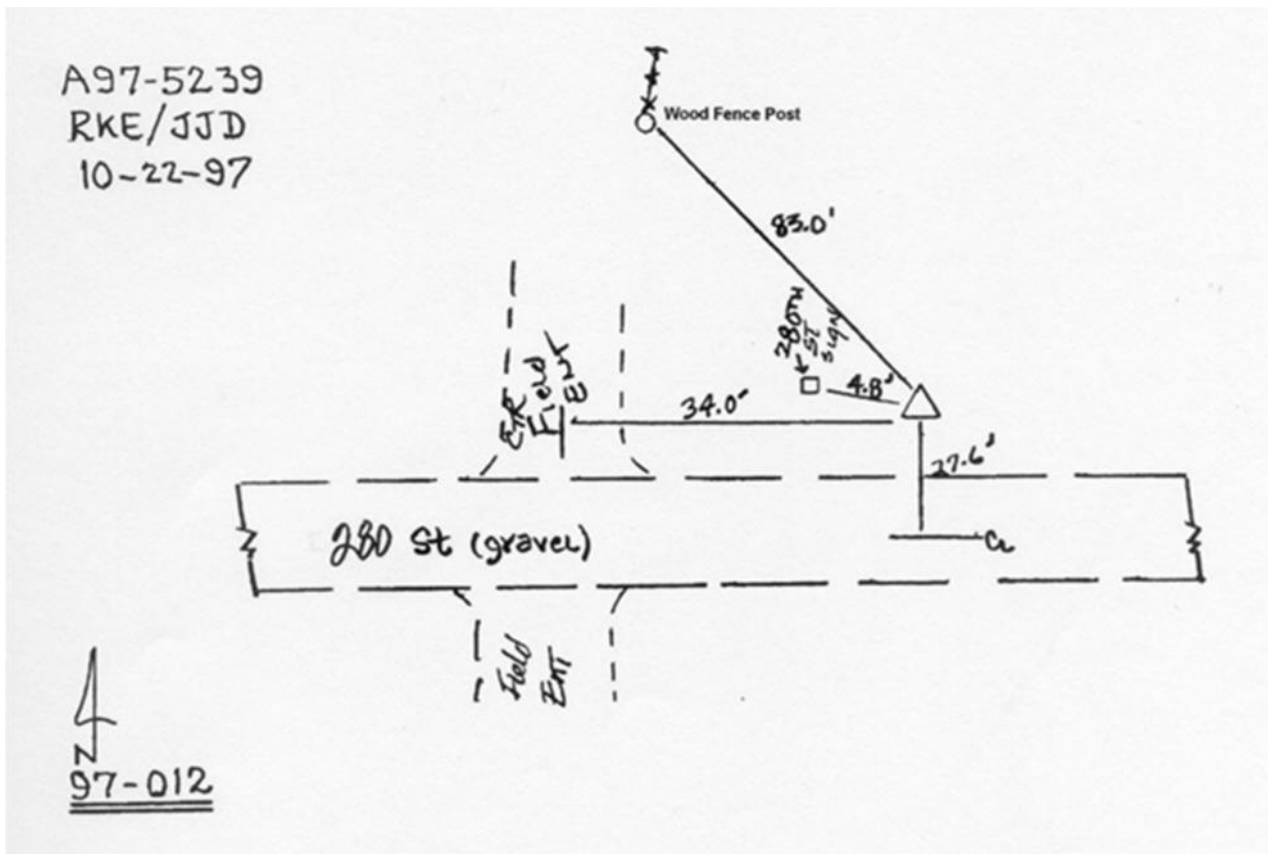
Designation: 97-012 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°10'09.46167"** Longitude: **W93°58'12.49494"**
NAVD 88 Ortho Height: **1207.510sft** Ellip. Ht: **1111.663sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3889528.698sft** Easting: **4795826.277sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999930624**

laRCS Zone 2 Northing: **9803329.235sft** Easting: **12174481.088sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999989770**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **13**

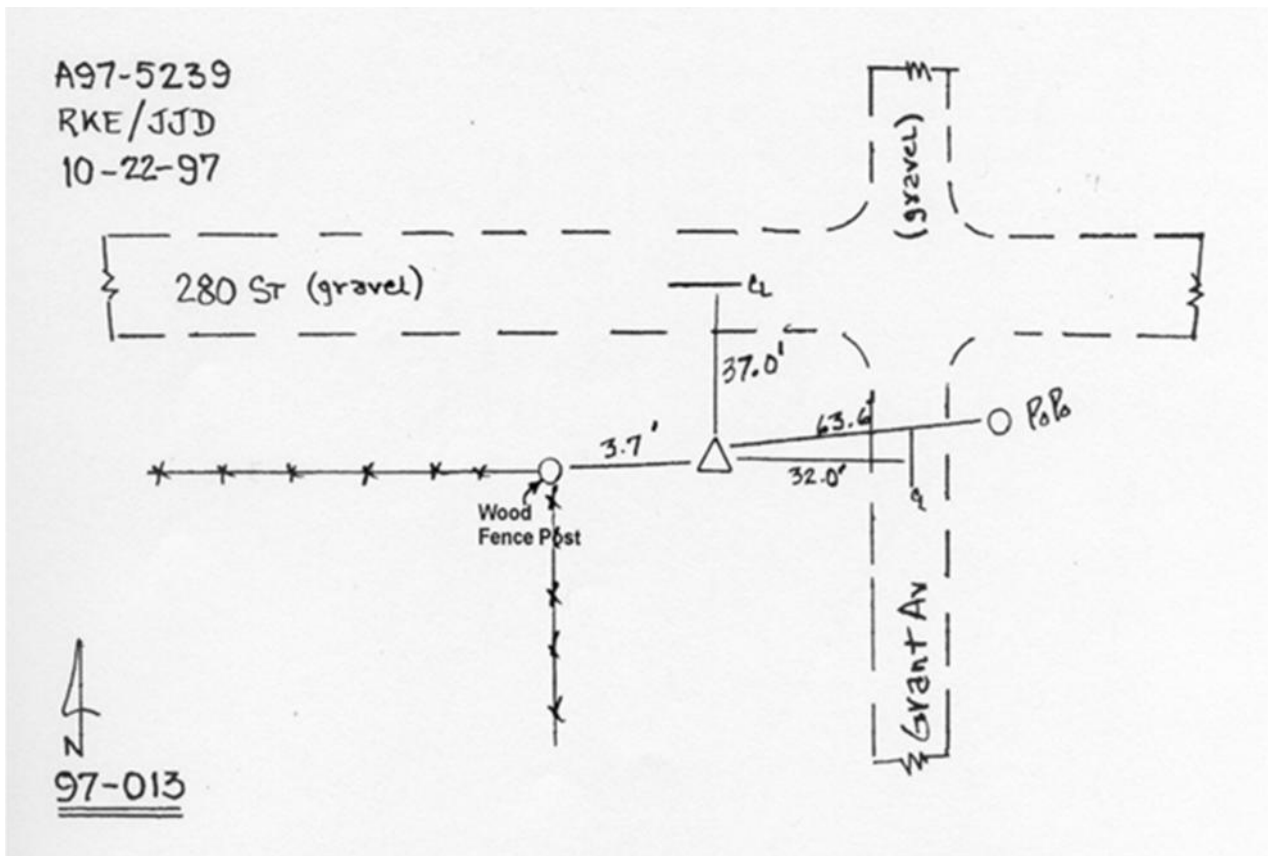
Designation: 97-013 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°10'09.07103"** Longitude: **W93°51'07.20022"**
NAVD 88 Ortho Height: **1276.620sft** Ellip. Ht: **1180.034sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3889335.899sft** Easting: **4827342.713sft**
Mapping Angle: **-0°14'19"** Combination Scale Factor: **0.999927345**

IaRCS Zone 2 Northing: **9802852.742sft** Easting: **12205996.382sft**
Mapping Angle: **-00° 45' 14"** Combination Scale Factor: **0.999986496**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **14**

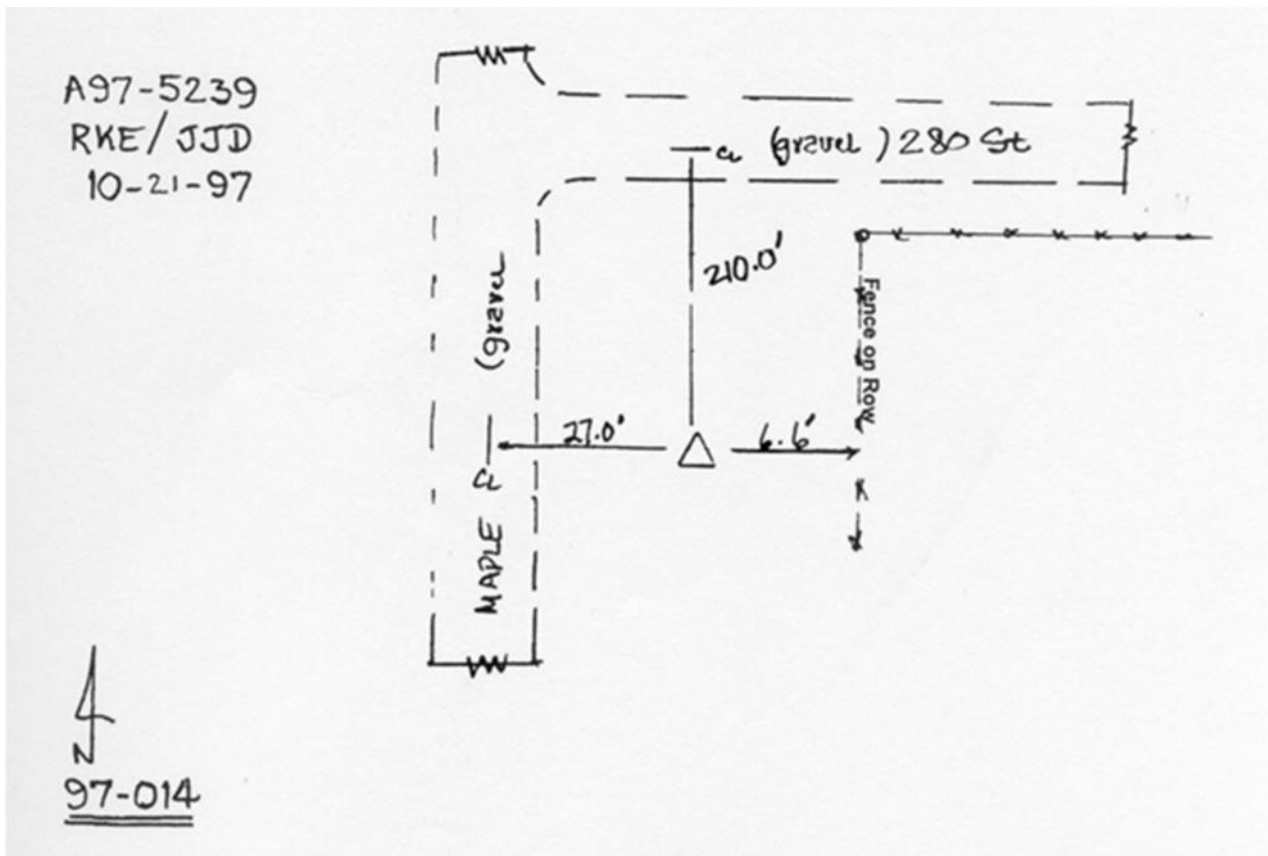
Designation: 97-014 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°10'07.80066"** Longitude: **W93°44'00.84683"**
NAVD 88 Ortho Height: **1207.680sft** Ellip. Ht: **1110.807sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3889097.856sft** Easting: **4858937.651sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999930594**

IaRCS Zone 2 Northing: **9802330.714sft** Easting: **12237589.781sft**
Mapping Angle: **-00° 40' 22"** Combination Scale Factor: **0.999989811**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **15**

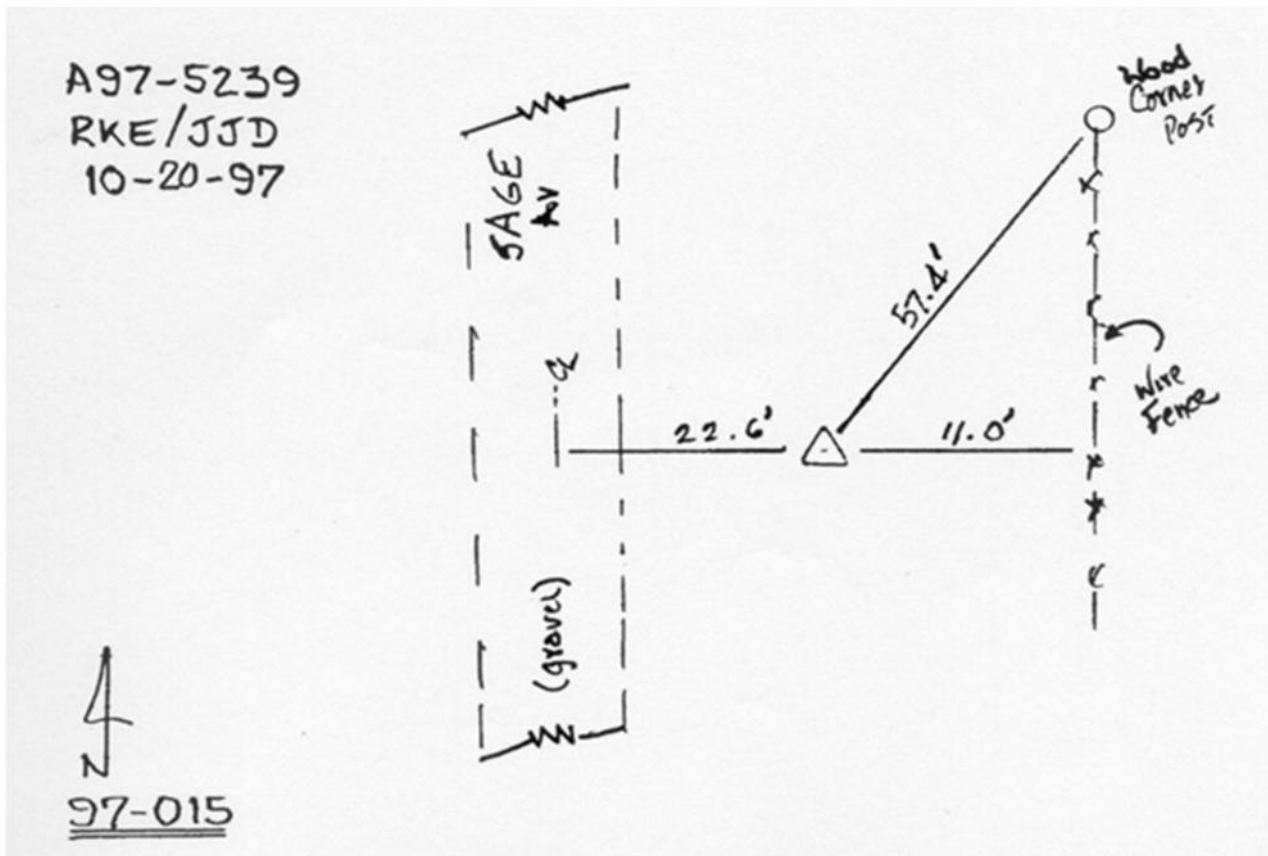
Designation: 97-015 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°10'09.92011"** Longitude: **W93°36'58.92243"**
NAVD 88 Ortho Height: **1218.330sft** Ellip. Ht: **1121.752sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3889247.726sft** Easting: **4890205.324sft**
Mapping Angle: **-0°04'44"** Combination Scale Factor: **0.999930162**

IaRCS Zone 2 Northing: **9802199.959sft** Easting: **12268859.396sft**
Mapping Angle: **-00° 35' 34"** Combination Scale Factor: **0.999989287**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



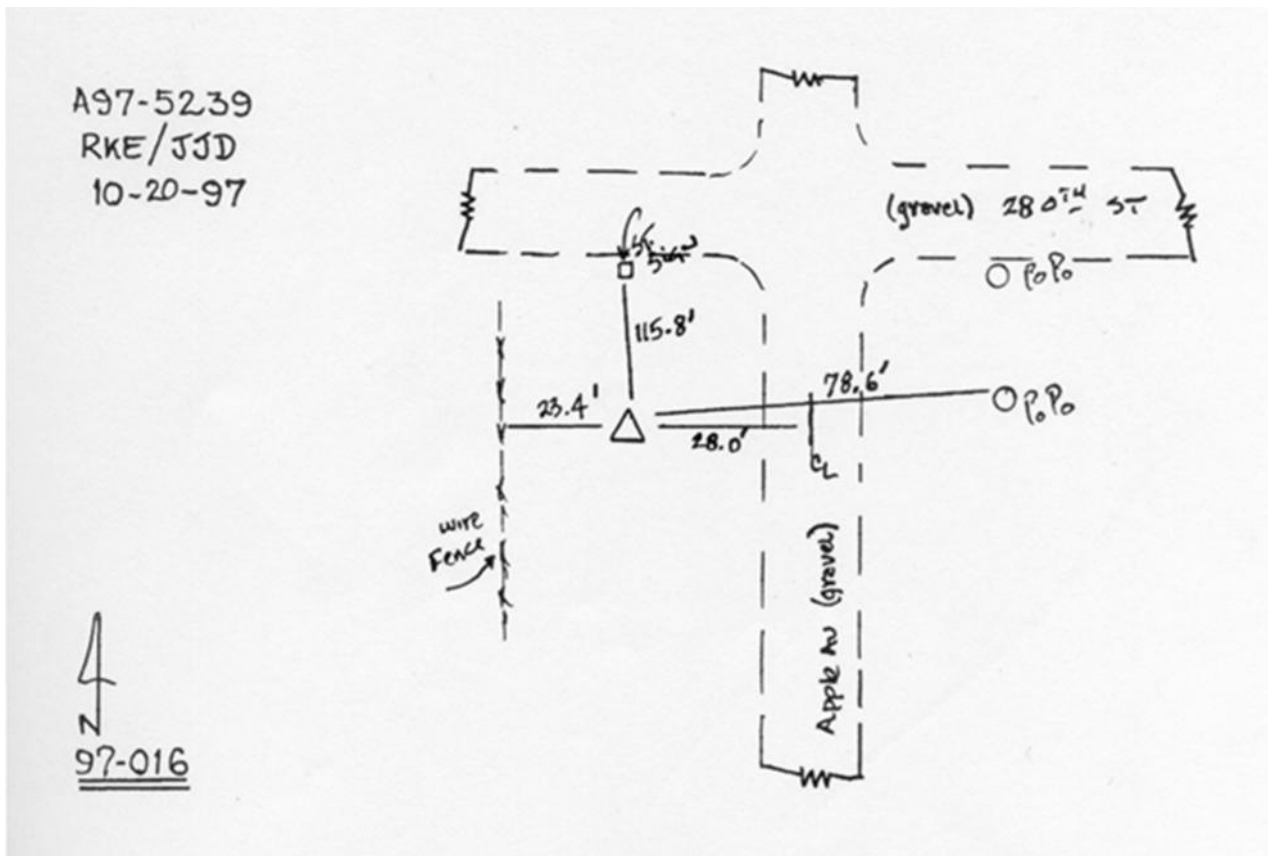
This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Designation: 97-016 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

Iowa North Zone (1401) Northing: **3889174.722sft** Easting: **4921849.625sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999928746**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **17**

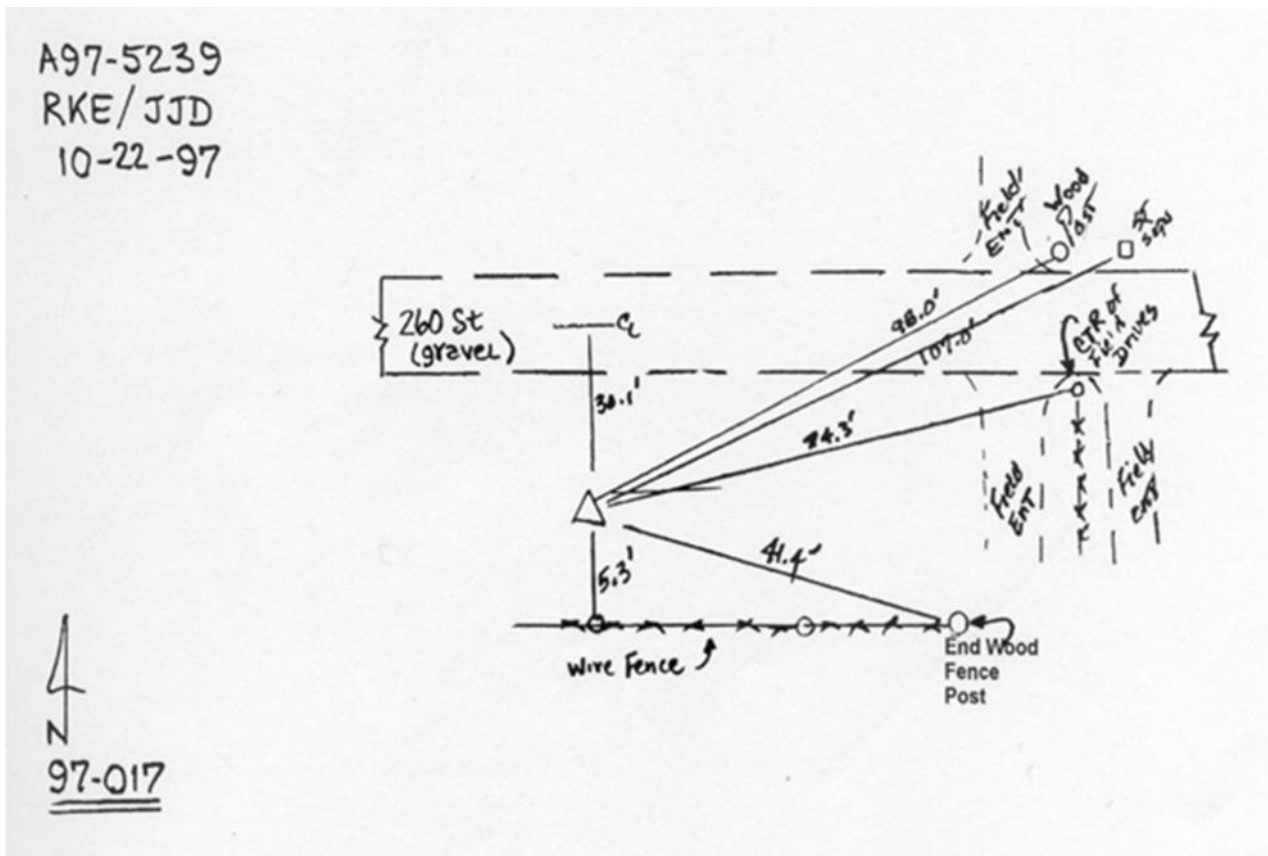
Designation: 97-017 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°08'24.82927"** Longitude: **W93°58'13.91694"**
NAVD 88 Ortho Height: **1228.990sft** Ellip. Ht: **1133.026sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3878936.002sft** Easting: **4795661.938sft**
Mapping Angle: **-0°19'08"** Combination Scale Factor: **0.999925291**

laRCS Zone 2 Northing: **9792737.797sft** Easting: **12174221.328sft**
Mapping Angle: **-00° 50' 06"** Combination Scale Factor: **0.999988852**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **18**

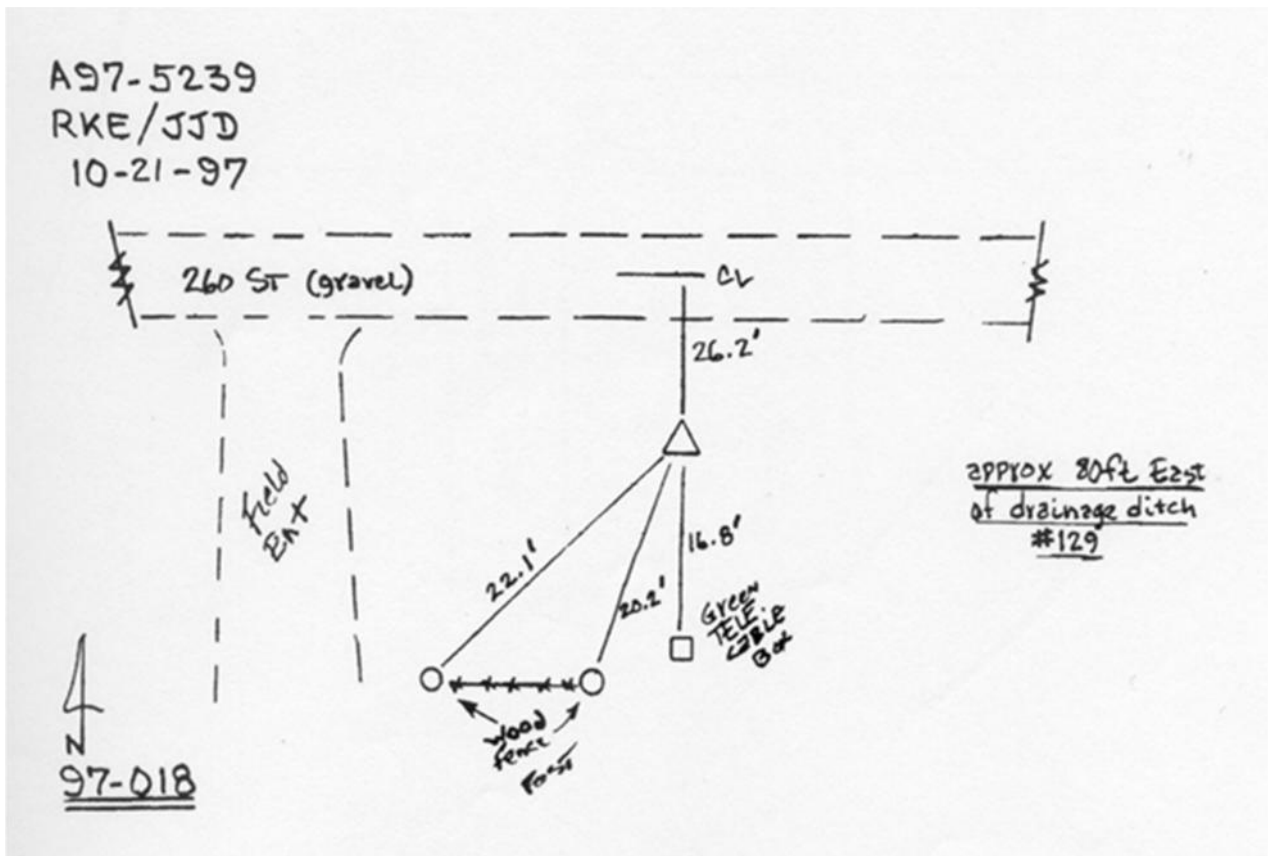
Designation: 97-018 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°08'27.17771"** Longitude: **W93°44'00.99083"**
NAVD 88 Ortho Height: **1216.010sft** Ellip. Ht: **1119.177sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3878910.412sft** Easting: **4858898.828sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999926045**

laRCS Zone 2 Northing: **9792143.403sft** Easting: **12237459.458sft**
Mapping Angle: **-00° 40' 22"** Combination Scale Factor: **0.999989510**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **19**

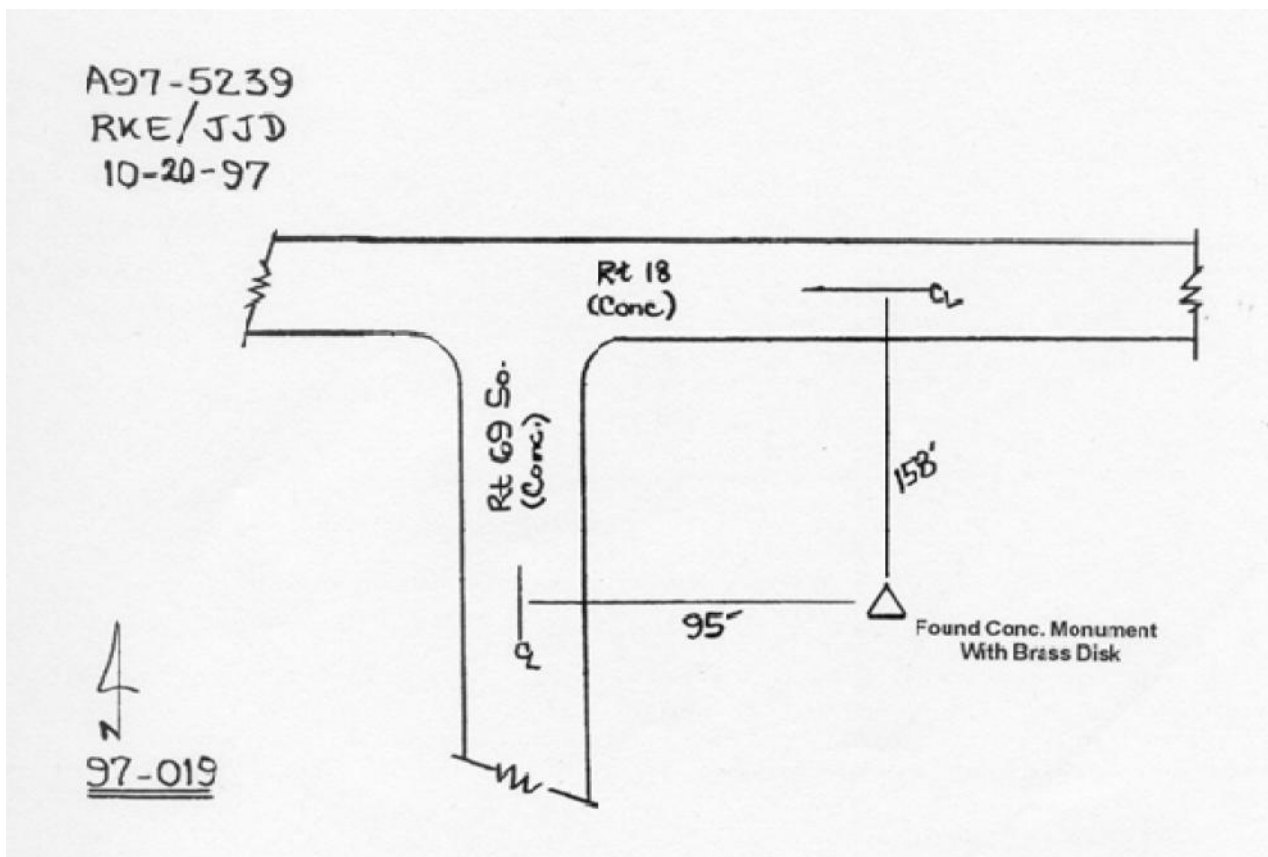
Designation: USGS Mon GARNER 2 1990 (reset by the IaDOT in 1990)

NAD 83(NA2011) Latitude: **N43°06'19.53431"** Longitude: **W93°36'51.35514"**
NAVD 88 Ortho Height: **1210.860sft** Ellip. Ht: **1114.760sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3865921.835sft** Easting: **4890734.579sft**
Mapping Angle: **-0°04'39"** Combination Scale Factor: **0.999921336**

IaRCS Zone 2 Northing: **9778868.762sft** Easting: **12269179.466sft**
Mapping Angle: **-00° 35' 29"** Combination Scale Factor: **0.999990189**

Monument Type: Concrete post monument with brass disk, top of monument is 5" above ground.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **20**

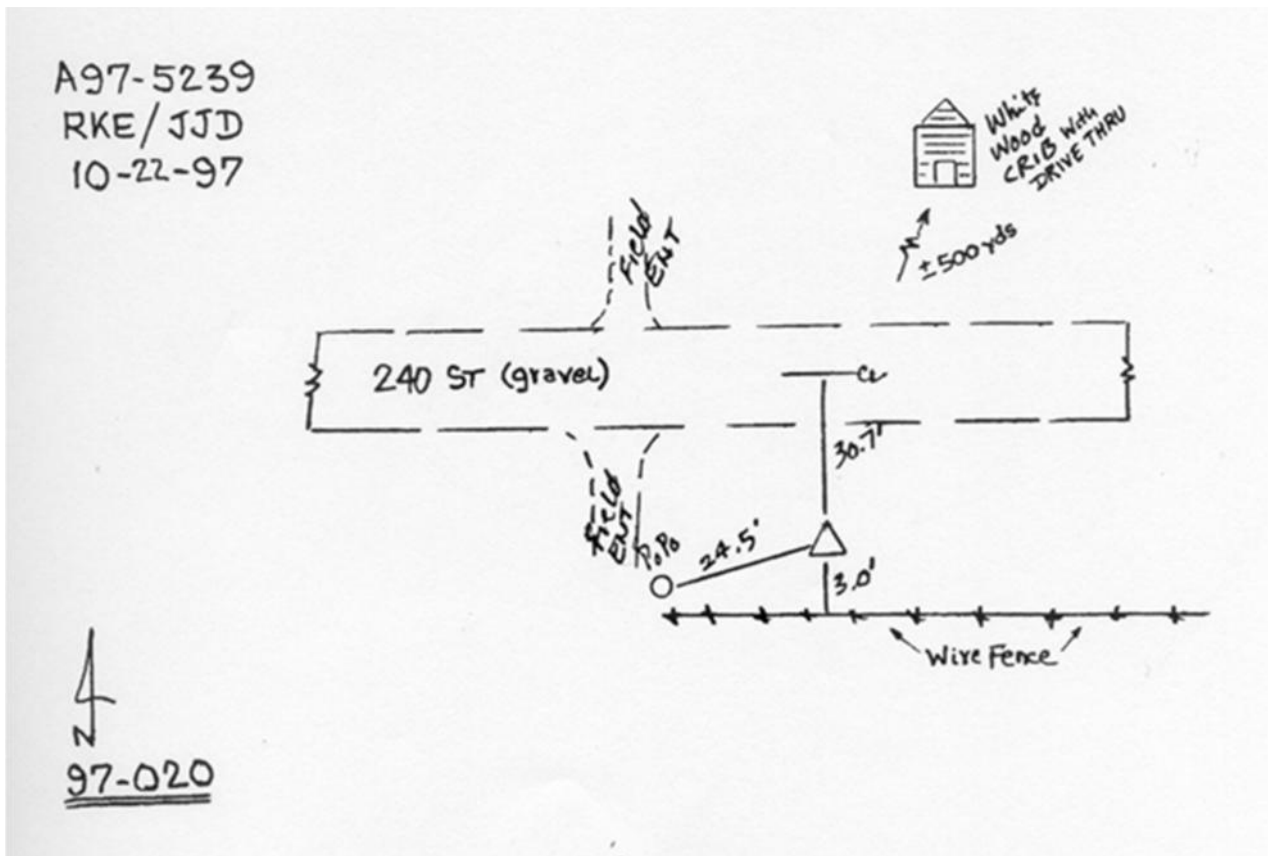
Designation: 97-020 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°06'41.09816"** Longitude: **W93°58'12.22736"**
NAVD 88 Ortho Height: **1251.180sft** Ellip. Ht: **1155.109sft** Geoid12A

Iowa North Zone (1401) Northing: **3868433.369sft** Easting: **4795728.809sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999920215**

IaRCS Zone 2 Northing: **9782234.295sft** Easting: **12174193.592sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999988151**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **21**

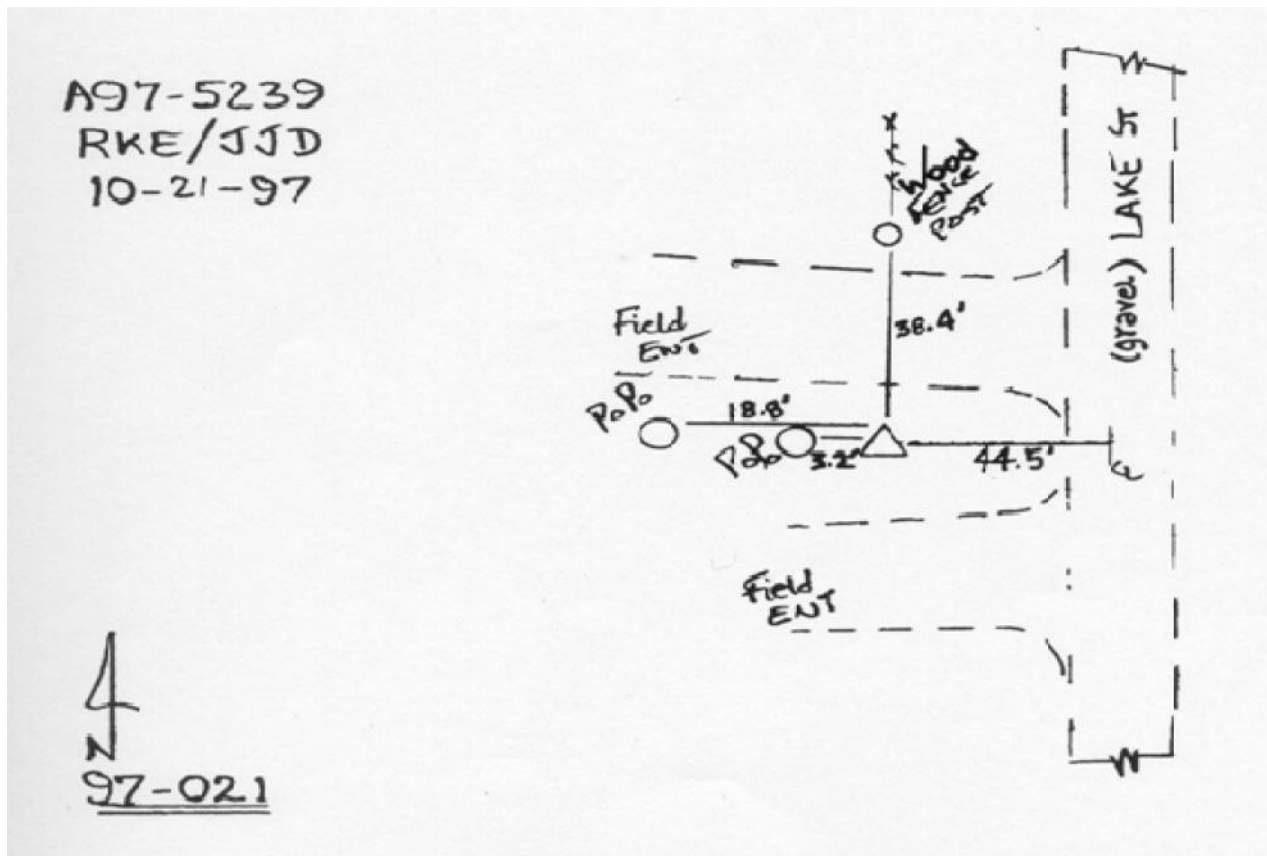
Designation: 97-021 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°06'43.80971"** Longitude: **W93°44'38.17550"**
NAVD 88 Ortho Height: **1229.730sft** Ellip. Ht: **1132.959sft** Geoid12A

Iowa North Zone (1401) Northing: **3868452.904sft** Easting: **4856111.762sft**
Mapping Angle: **-0°09'55"** Combination Scale Factor: **0.999921374**

IaRCS Zone 2 Northing: **9781710.662sft** Easting: **12234578.389sft**
Mapping Angle: **-00° 40' 48"** Combination Scale Factor: **0.999989200**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **22**

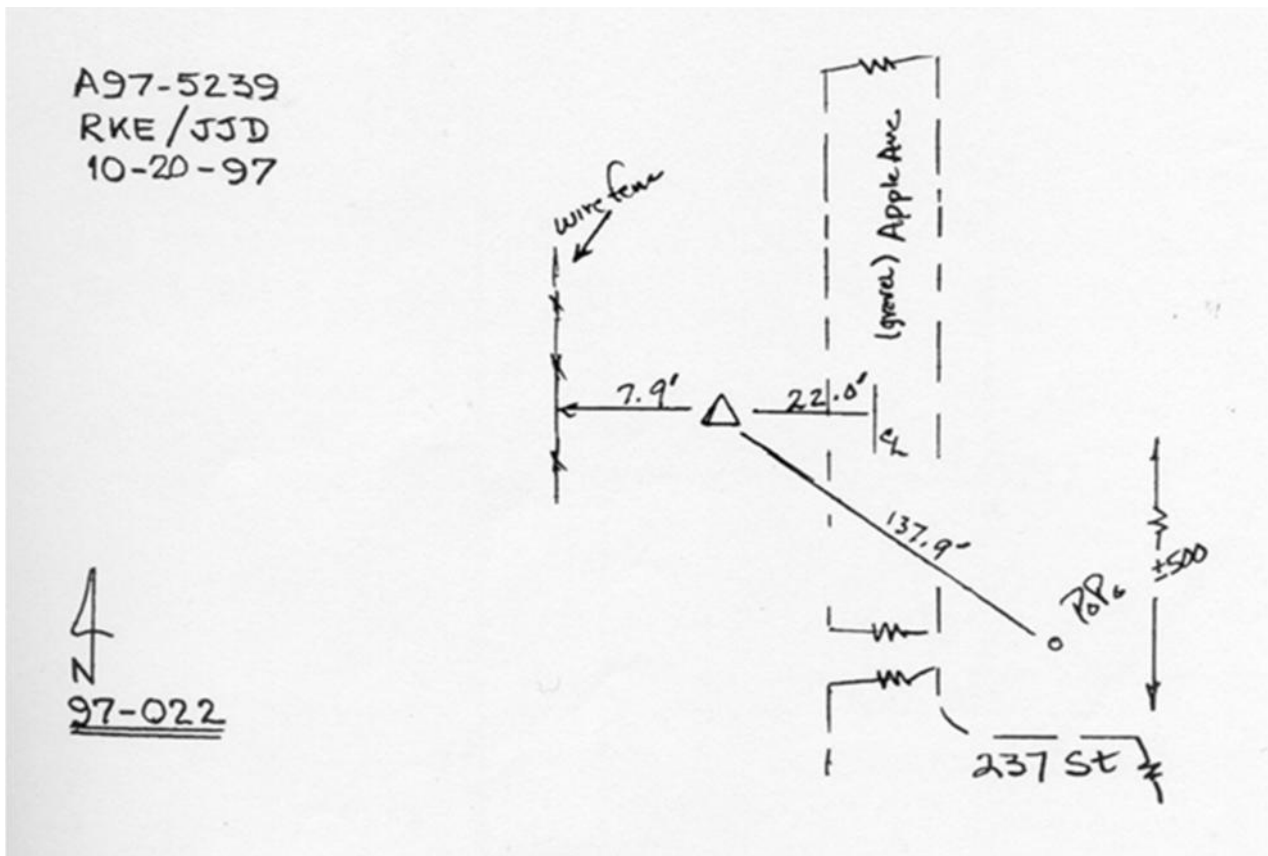
Designation: 97-022 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°06'34.80612"** Longitude: **W93°29'52.06456"**
NAVD 88 Ortho Height: **1240.900sft** Ellip. Ht: **1146.440sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3867447.382sft** Easting: **4921838.632sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999920393**

laRCS Zone 2 Northing: **9780115.602sft** Easting: **12300298.080sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999988596**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **23**

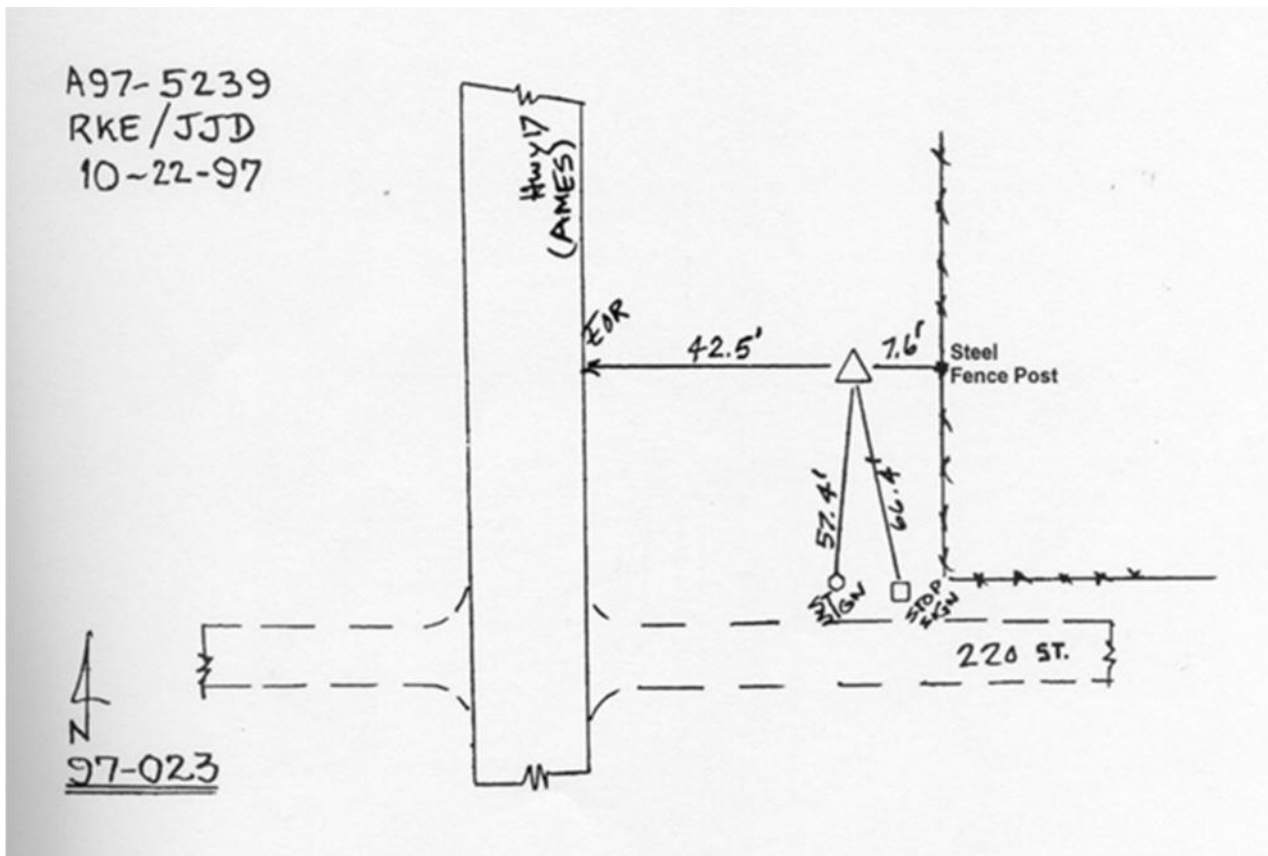
Designation: 97-023 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°04'58.22882"** Longitude: **W93°58'12.84992"**
NAVD 88 Ortho Height: **1267.060sft** Ellip. Ht: **1170.893sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3858019.030sft** Easting: **4795624.700sft**
Mapping Angle: **-0°19'07"** Combination Scale Factor: **0.999915724**

laRCS Zone 2 Northing: **9771820.584sft** Easting: **12173995.669sft**
Mapping Angle: **-00° 50' 05"** Combination Scale Factor: **0.999987998**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **24**

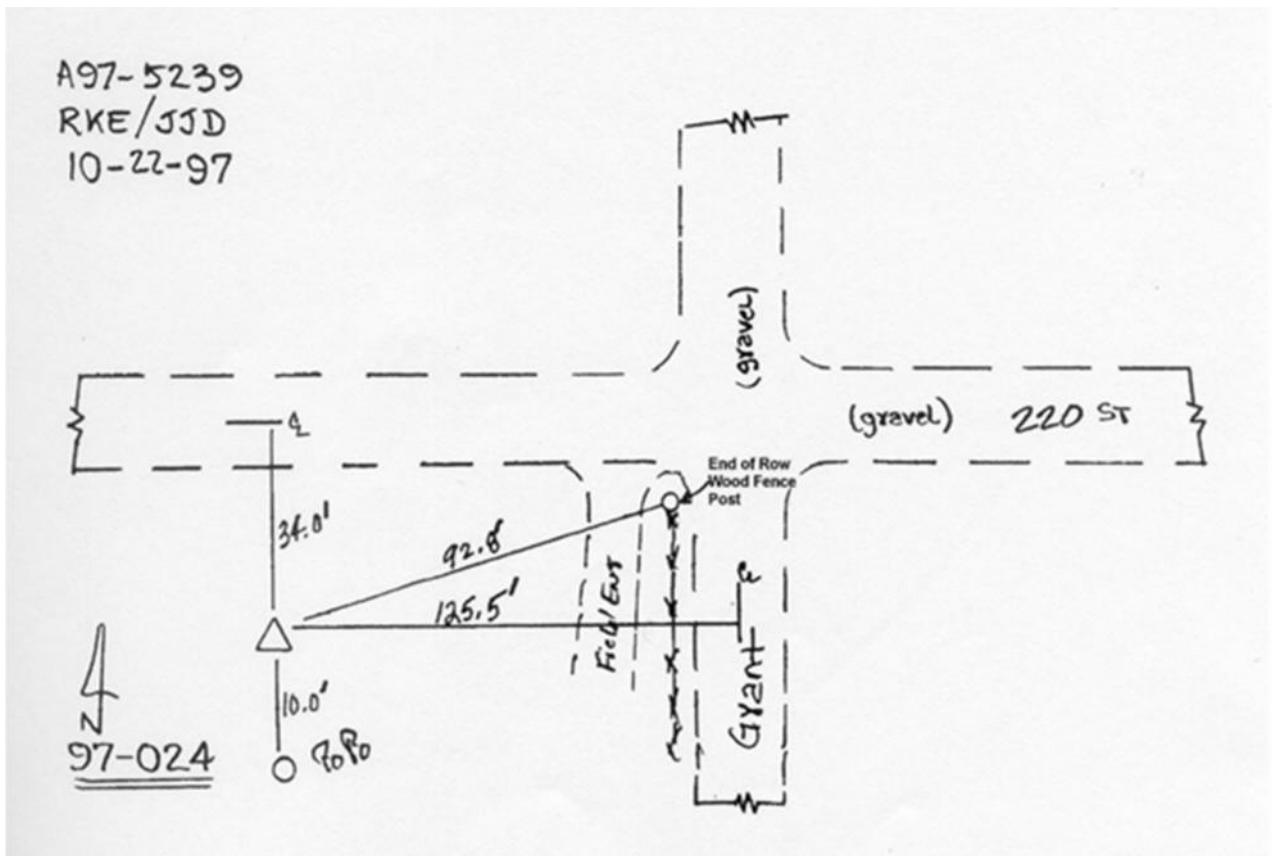
Designation: 97-024 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°04'58.35082"** Longitude: **W93°51'08.59410"**
NAVD 88 Ortho Height: **1204.570sft** Ellip. Ht: **1107.906sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3857878.202sft** Easting: **4827108.290sft**
Mapping Angle: **-0°14'20"** Combination Scale Factor: **0.999918734**

IaRCS Zone 2 Northing: **9771396.353sft** Easting: **12205478.997sft**
Mapping Angle: **-00° 45' 15"** Combination Scale Factor: **0.999991013**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **25**

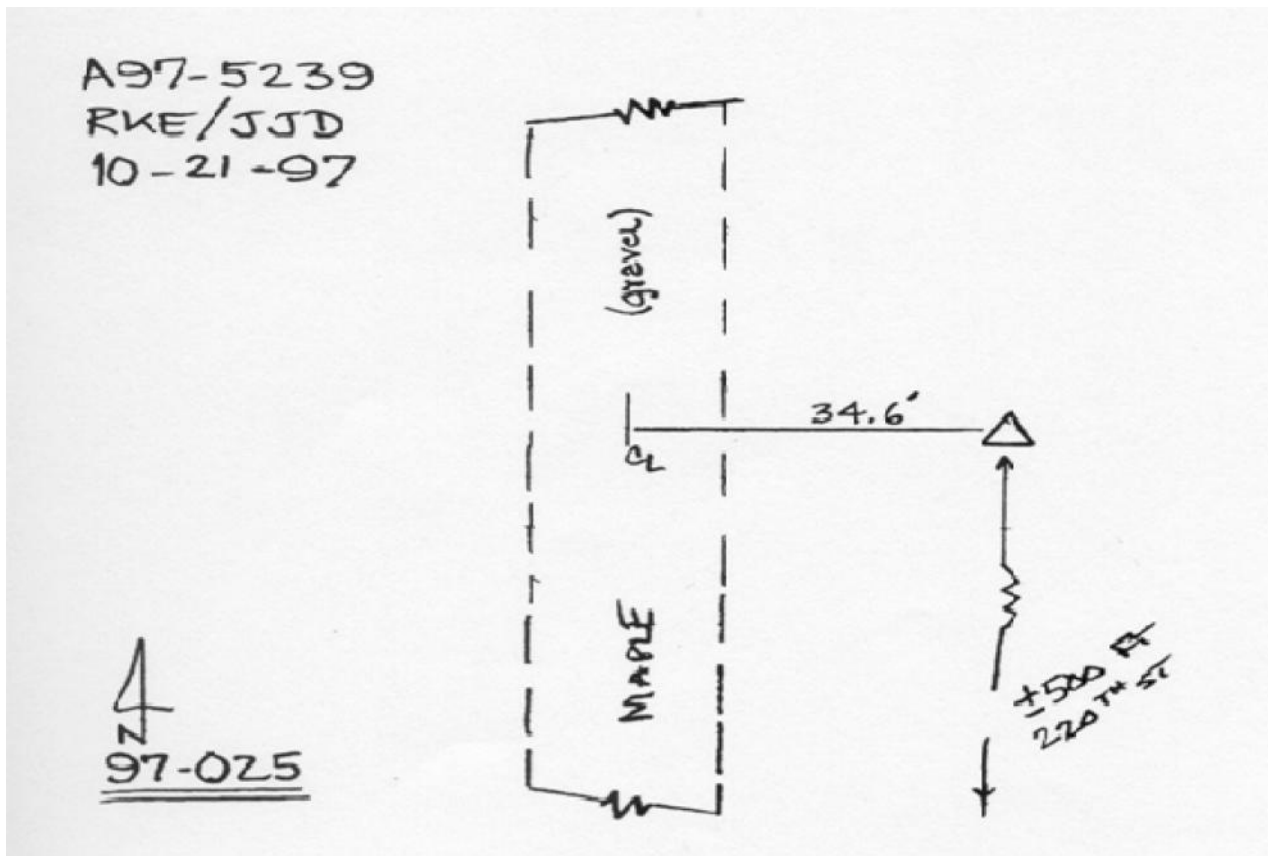
Designation: 97-025 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°05'04.66185"** Longitude: **W93°44'01.60690"**
NAVD 88 Ortho Height: **1249.440sft** Ellip. Ht: **1152.806sft** Geoid12A

Iowa North Zone (1401) Northing: **3858407.289sft** Easting: **4858796.454sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999916814**

IaRCS Zone 2 Northing: **9771640.634sft** Easting: **12237172.929sft**
Mapping Angle: **-00° 40' 23"** Combination Scale Factor: **0.999988819**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **26**

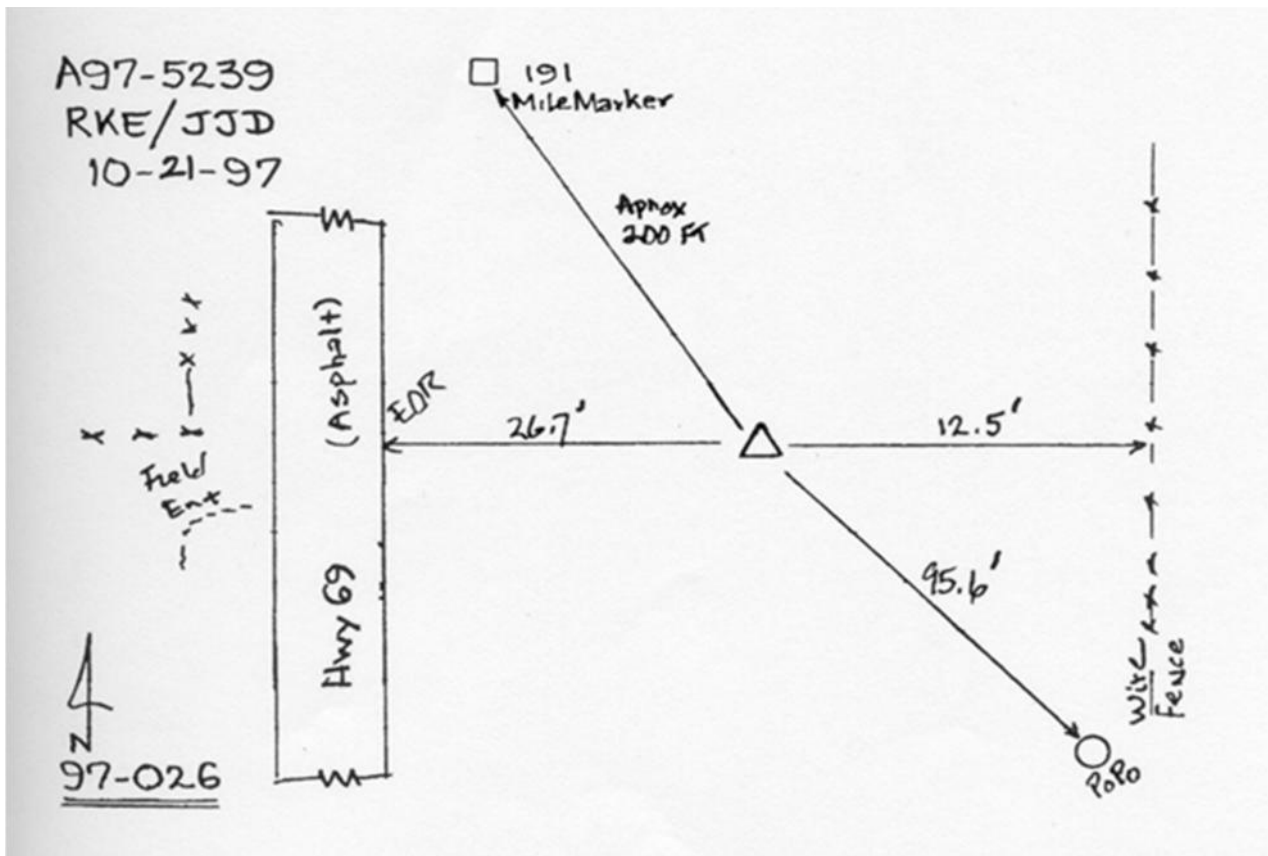
Designation: 97-026 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°04'59.59777"** Longitude: **W93°36'57.78545"**
NAVD 88 Ortho Height: **1207.130sft** Ellip. Ht: **1111.229sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3857829.518sft** Easting: **4890246.451sft**
Mapping Angle: **-0°04'43"** Combination Scale Factor: **0.999918619**

IaRCS Zone 2 Northing: **9770780.576sft** Easting: **12268618.749sft**
Mapping Angle: **-00° 35' 33"** Combination Scale Factor: **0.999990845**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **27**

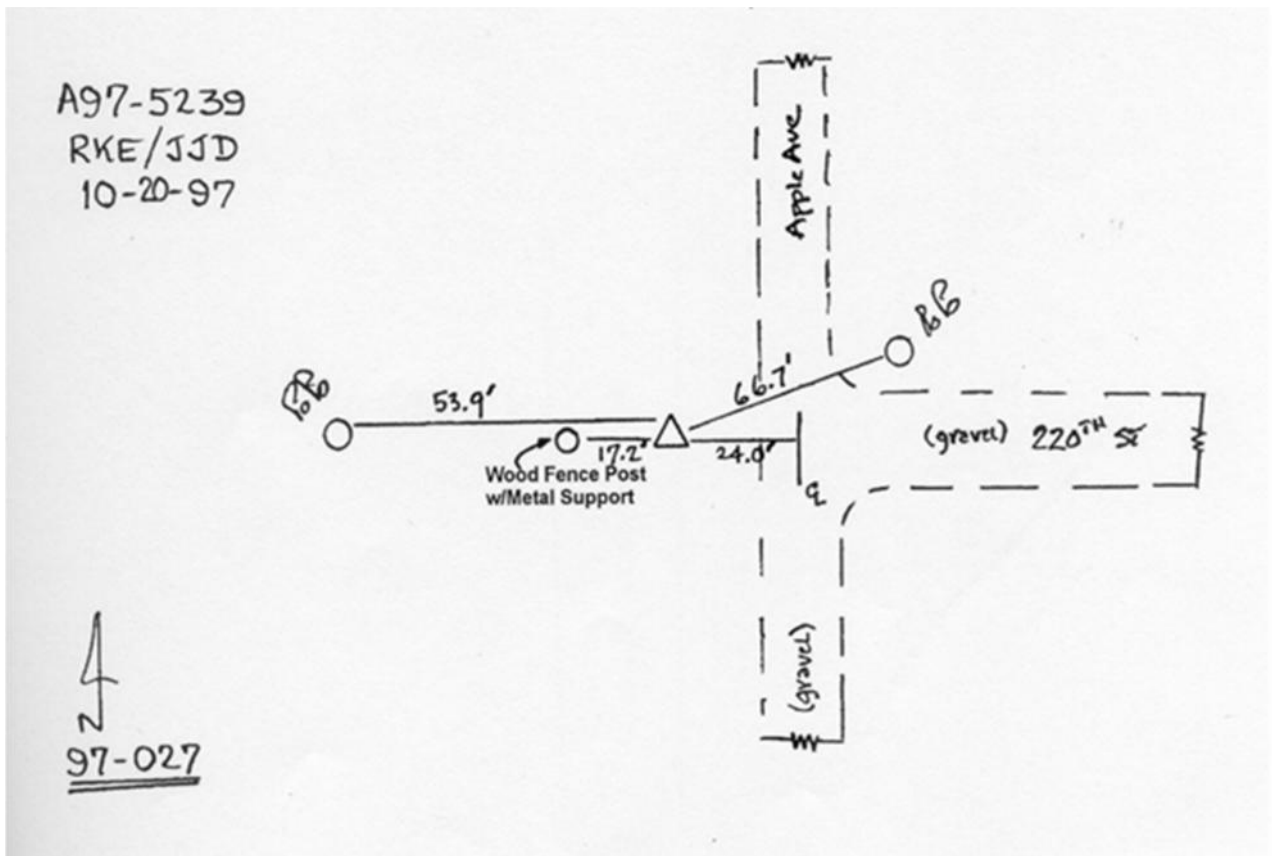
Designation: 97-027 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°04'59.23158"** Longitude: **W93°29'52.28698"**
NAVD 88 Ortho Height: **1256.420sft** Ellip. Ht: **1162.345sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3857771.171sft** Easting: **4921822.379sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999916167**

IaRCS Zone 2 Northing: **9770439.244sft** Easting: **12300195.172sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999988400**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **28**

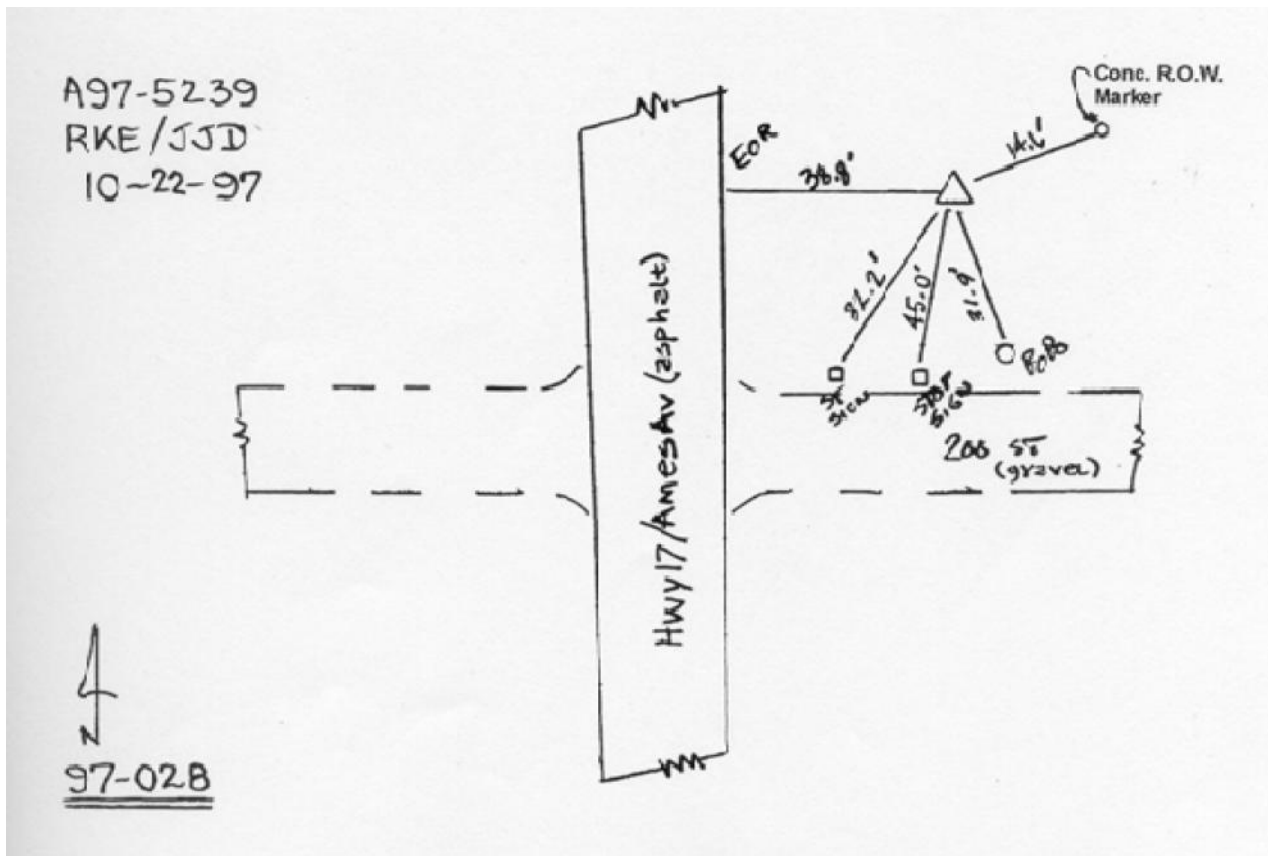
Designation: 97-028 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°03'07.91268"** Longitude: **W93°58'14.46729"**
NAVD 88 Ortho Height: **1171.840sft** Ellip. Ht: **1075.568sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3846851.281sft** Easting: **4795442.495sft**
Mapping Angle: **-0°19'08"** Combination Scale Factor: **0.999916541**

IaRCS Zone 2 Northing: **9760654.094sft** Easting: **12173712.857sft**
Mapping Angle: **-00° 50' 06"** Combination Scale Factor: **0.999993484**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **29**

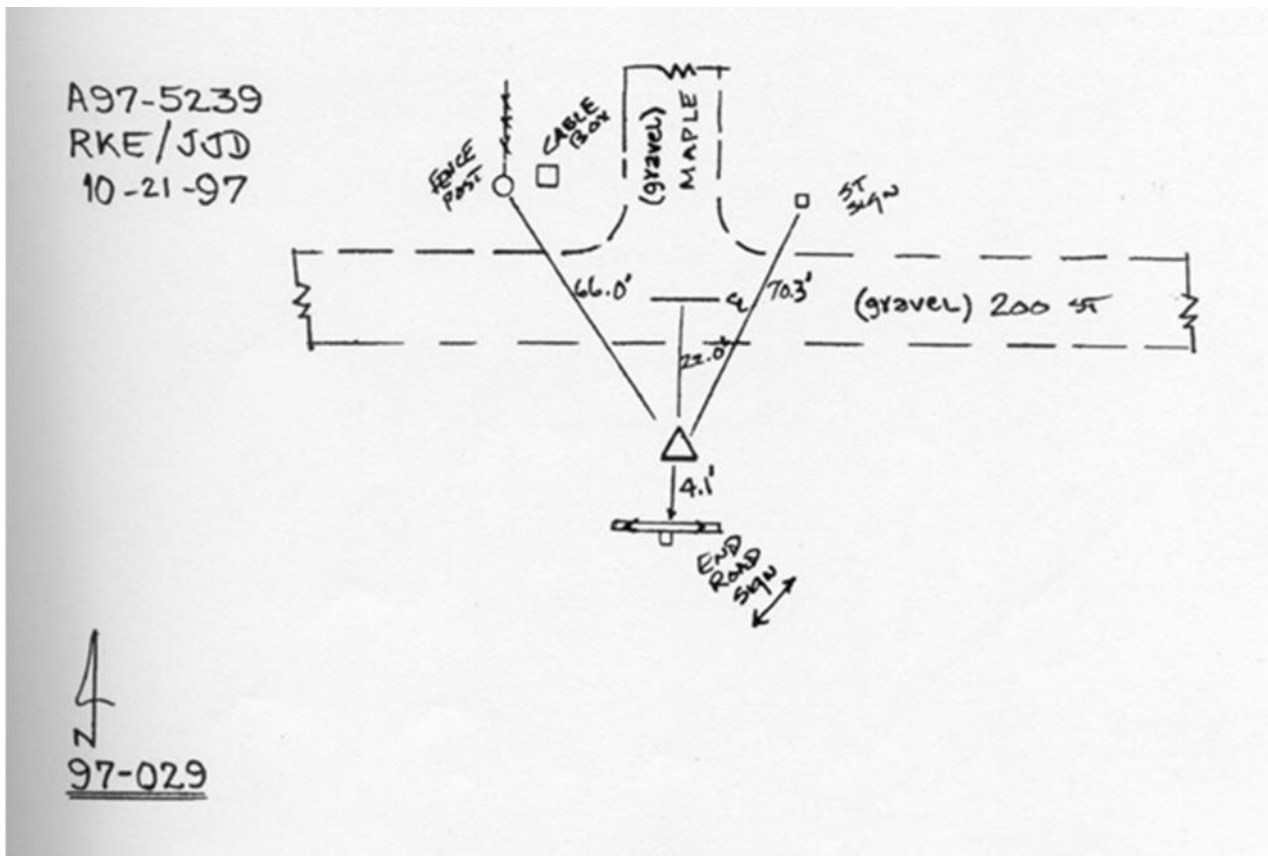
Designation: 97-029 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°03'10.90082"** Longitude: **W93°44'01.44648"**
NAVD 88 Ortho Height: **1219.330sft** Ellip. Ht: **1122.872sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3846889.939sft** Easting: **4858776.515sft**
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.999914381**

laRCS Zone 2 Northing: **9760123.068sft** Easting: **12237049.543sft**
Mapping Angle: **-00° 40' 23"** Combination Scale Factor: **0.999991190**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **30**

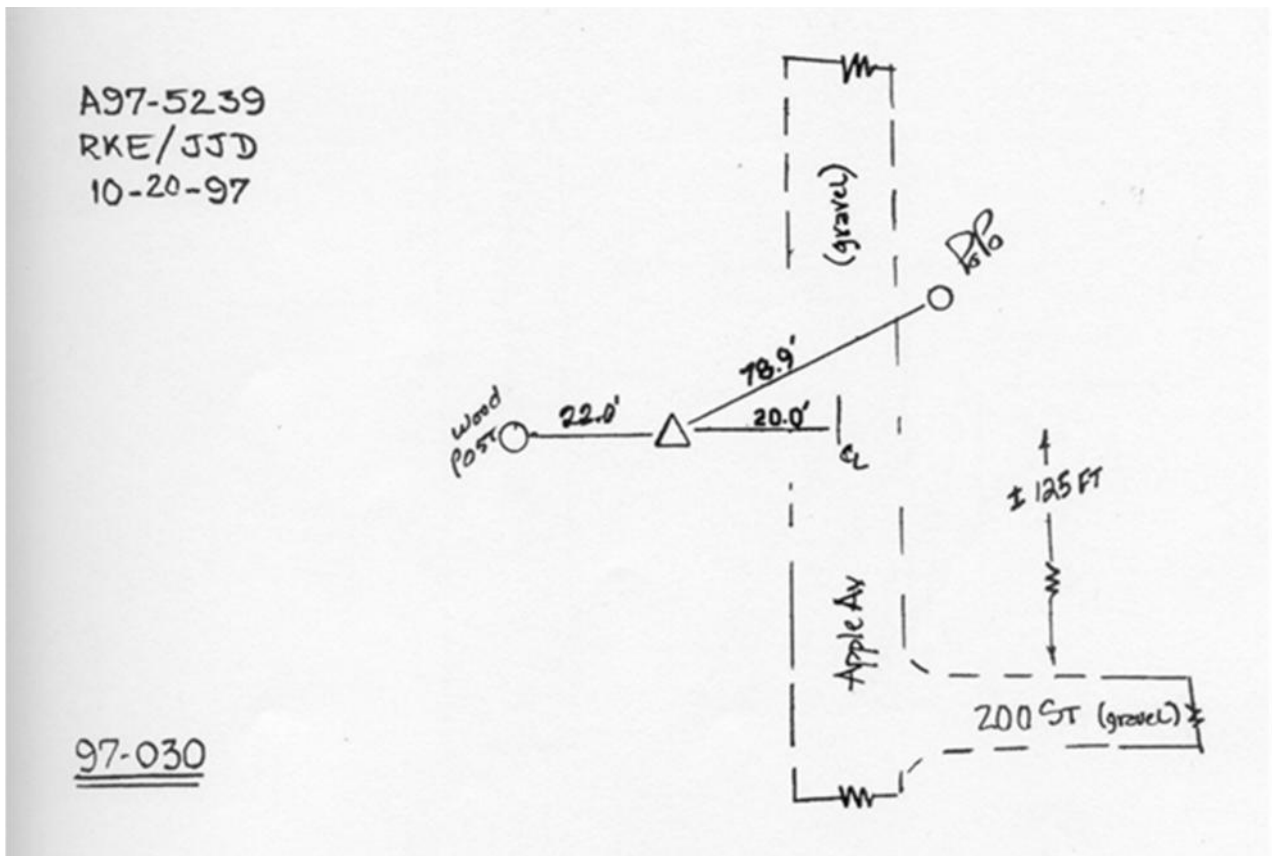
Designation: 97-030 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°03'13.00682"** Longitude: **W93°29'52.18584"**
NAVD 88 Ortho Height: **1246.960sft** Ellip. Ht: **1153.329sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3847016.796sft** Easting: **4921830.160sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999912997**

IaRCS Zone 2 Northing: **9759684.427sft** Easting: **12300106.643sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999989712**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **31**

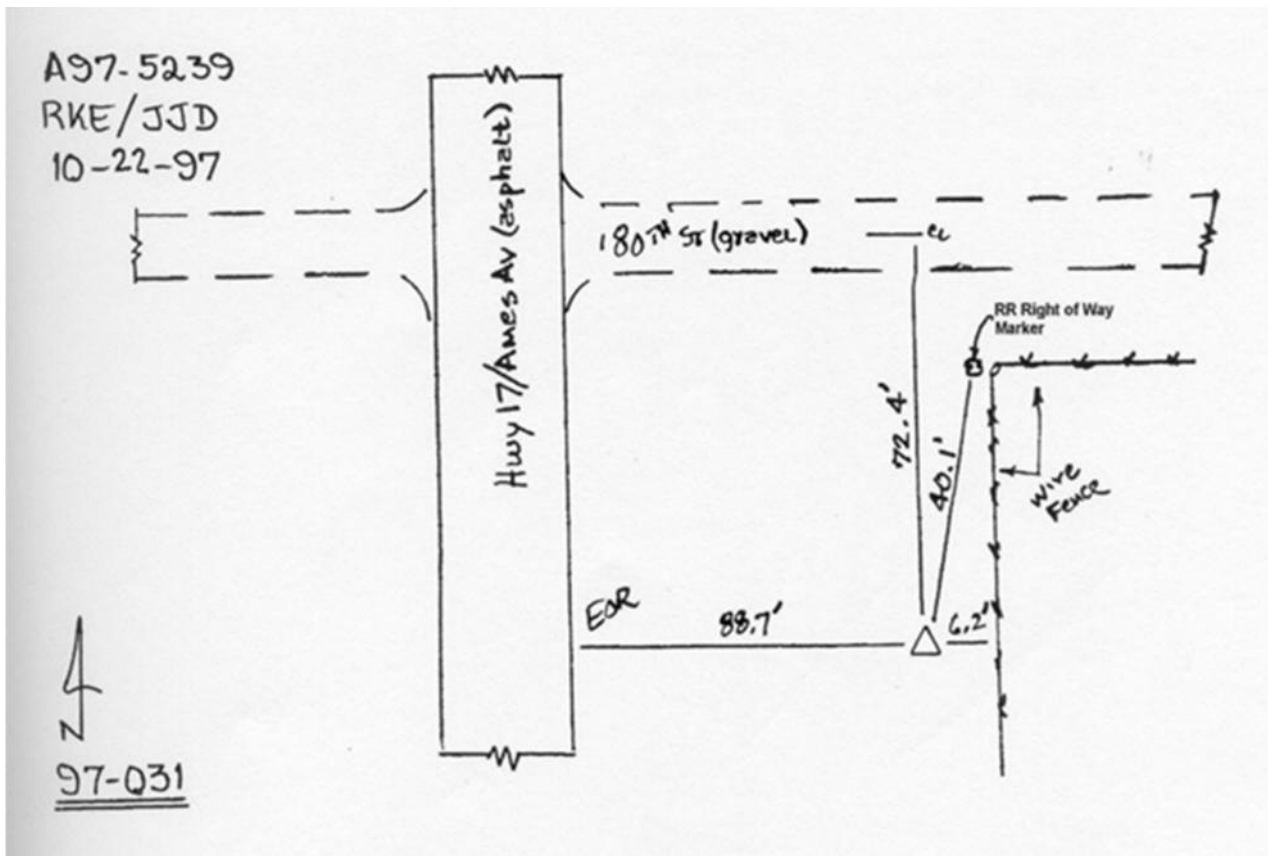
Designation: 97-031 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°01'22.19809"** Longitude: **W93°58'14.19699"**
NAVD 88 Ortho Height: **1170.470sft** Ellip. Ht: **1074.126sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3836148.707sft** Easting: **4795402.984sft**
Mapping Angle: **-0°19'08"** Combination Scale Factor: **0.999913303**

laRCS Zone 2 Northing: **9749951.460sft** Easting: **12173576.935sft**
Mapping Angle: **-00° 50' 06"** Combination Scale Factor: **0.999994702**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **32**

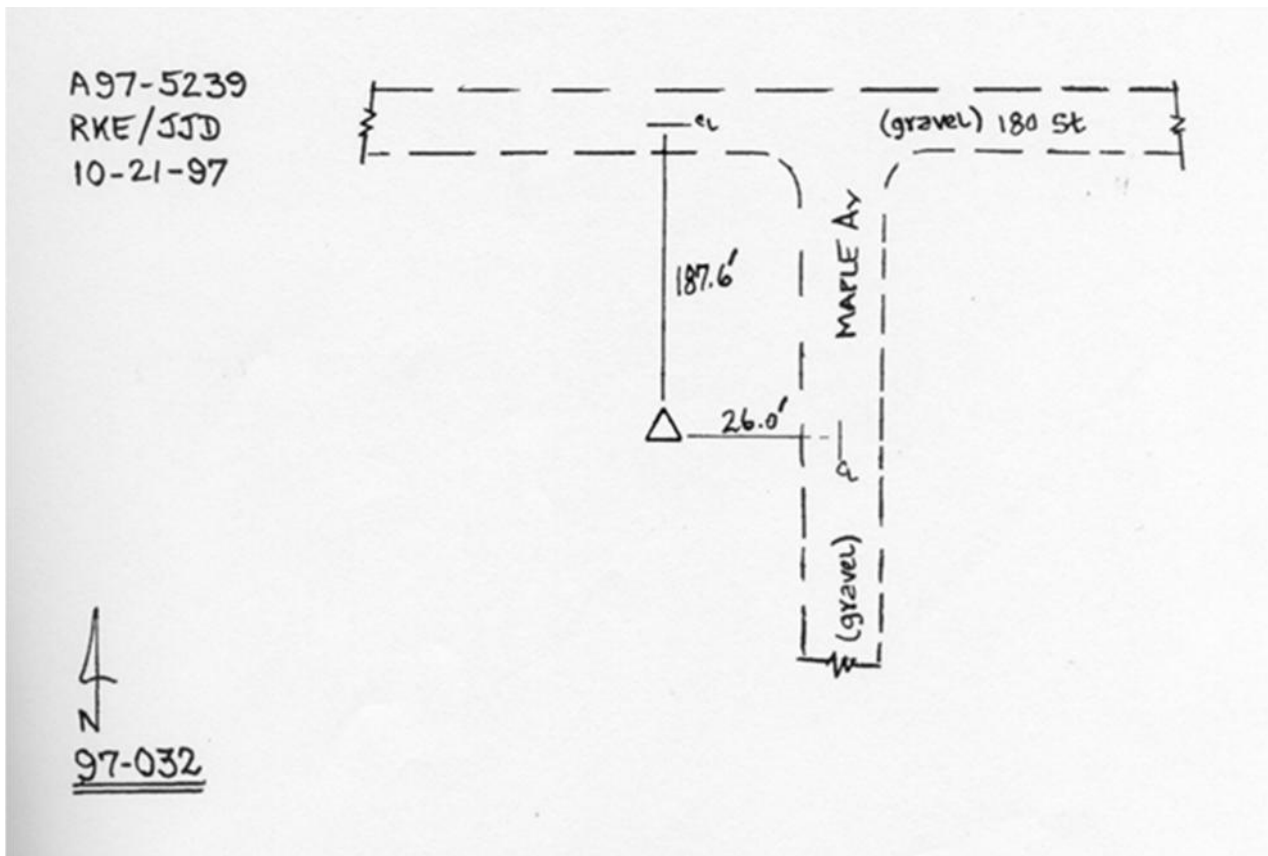
Designation: 97-032 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°01'24.78249"** Longitude: **W93°44'02.37272"**
NAVD 88 Ortho Height: **1215.650sft** Ellip. Ht: **1119.409sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3836146.665sft** Easting: **4858678.009sft**
Mapping Angle: **-0°09'31"** Combination Scale Factor: **0.999911221**

IaRCS Zone 2 Northing: **9749380.261sft** Easting: **12236854.541sft**
Mapping Angle: **-00° 40' 23"** Combination Scale Factor: **0.999992503**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **33**

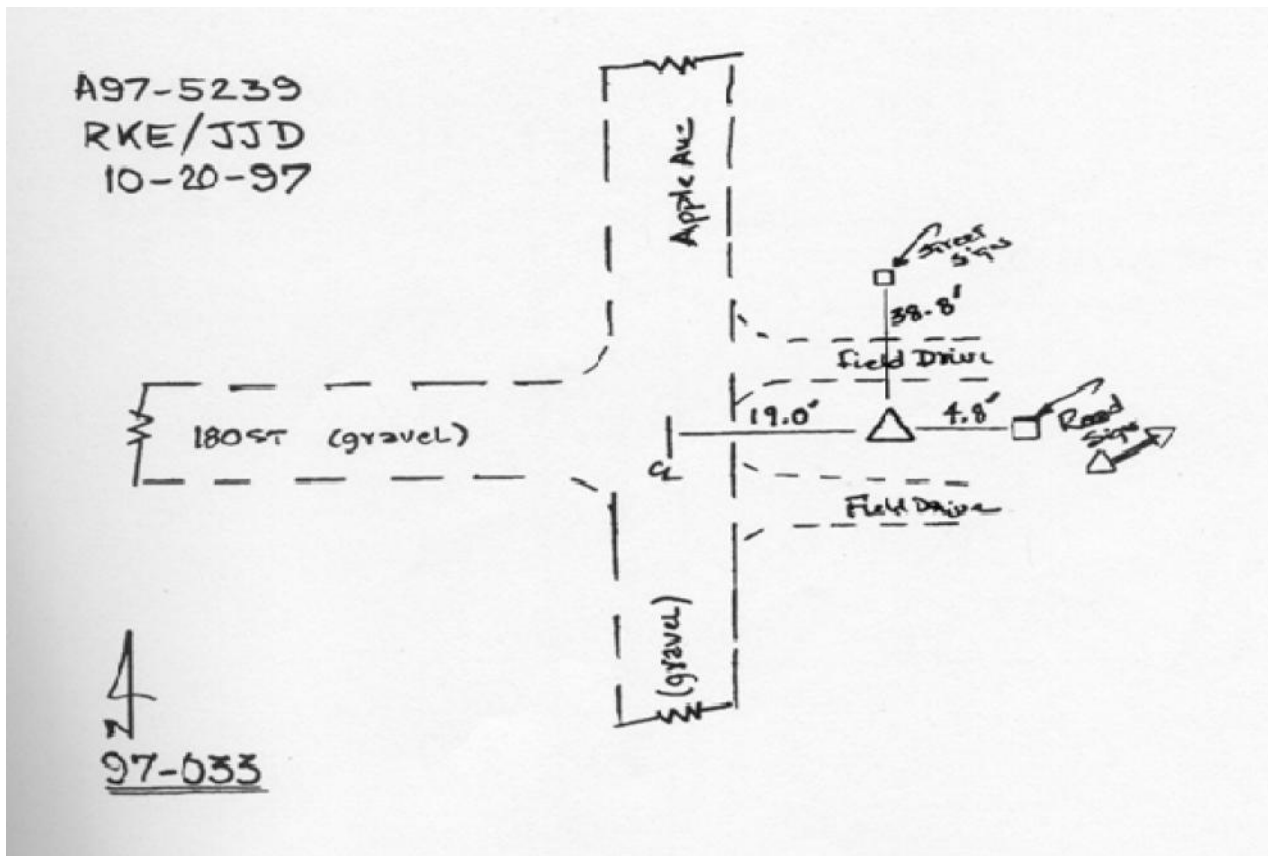
Designation: 97-033 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N43°01'27.09288"** Longitude: **W93°29'51.83865"**
NAVD 88 Ortho Height: **1254.780sft** Ellip. Ht: **1161.595sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3836293.982sft** Easting: **4921856.225sft**
Mapping Angle: **0°00'06"** Combination Scale Factor: **0.999909278**

IaRCS Zone 2 Northing: **9748960.961sft** Easting: **12300036.681sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999990455**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **34**

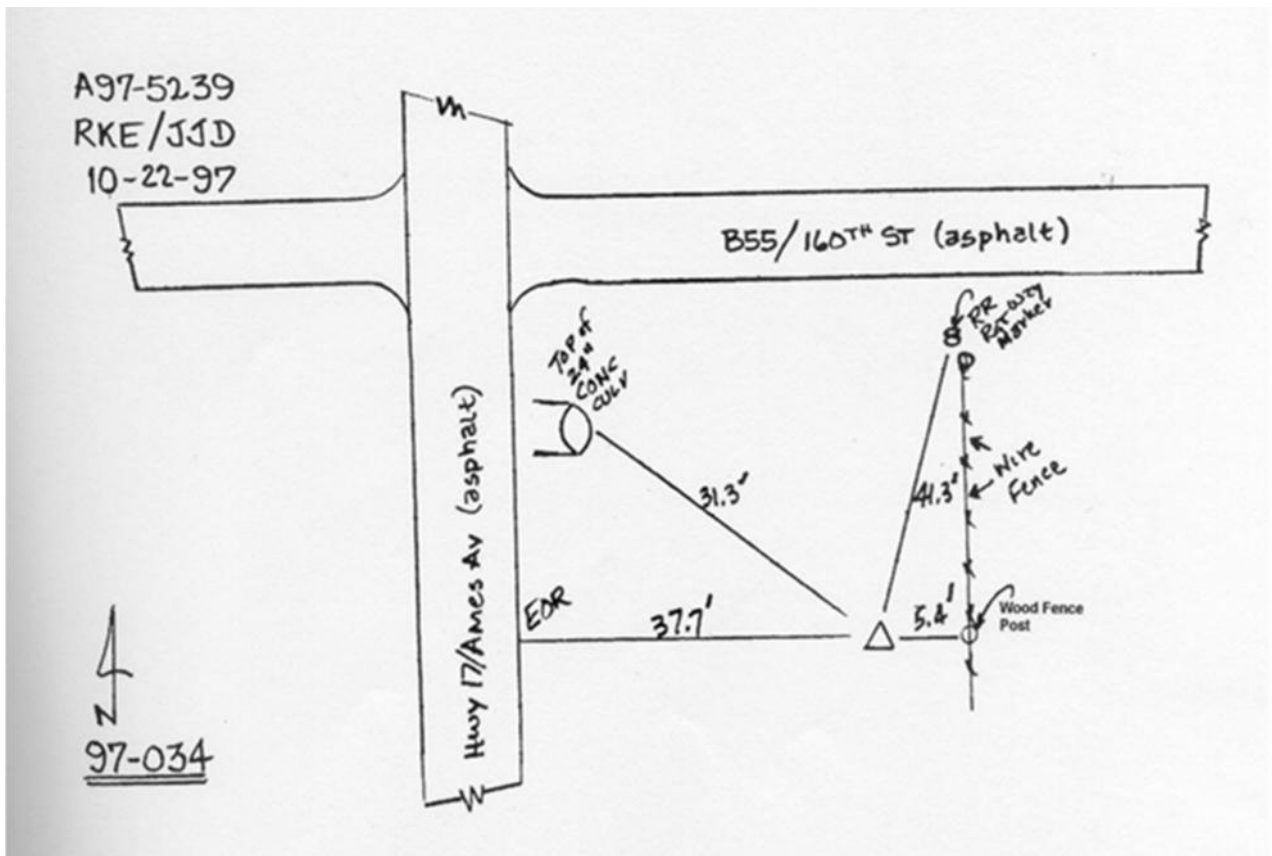
Designation: 97-034 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°59'37.85494"** Longitude: **W93°58'14.97344"**
NAVD 88 Ortho Height: **1172.960sft** Ellip. Ht: **1076.589sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825585.497sft** Easting: **4795286.477sft**
Mapping Angle: **-0°19'09"** Combination Scale Factor: **0.99991018**

IaRCS Zone 2 Northing: **9739388.843sft** Easting: **12173365.267sft**
Mapping Angle: **-00° 50' 07"** Combination Scale Factor: **0.999995975**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **35**

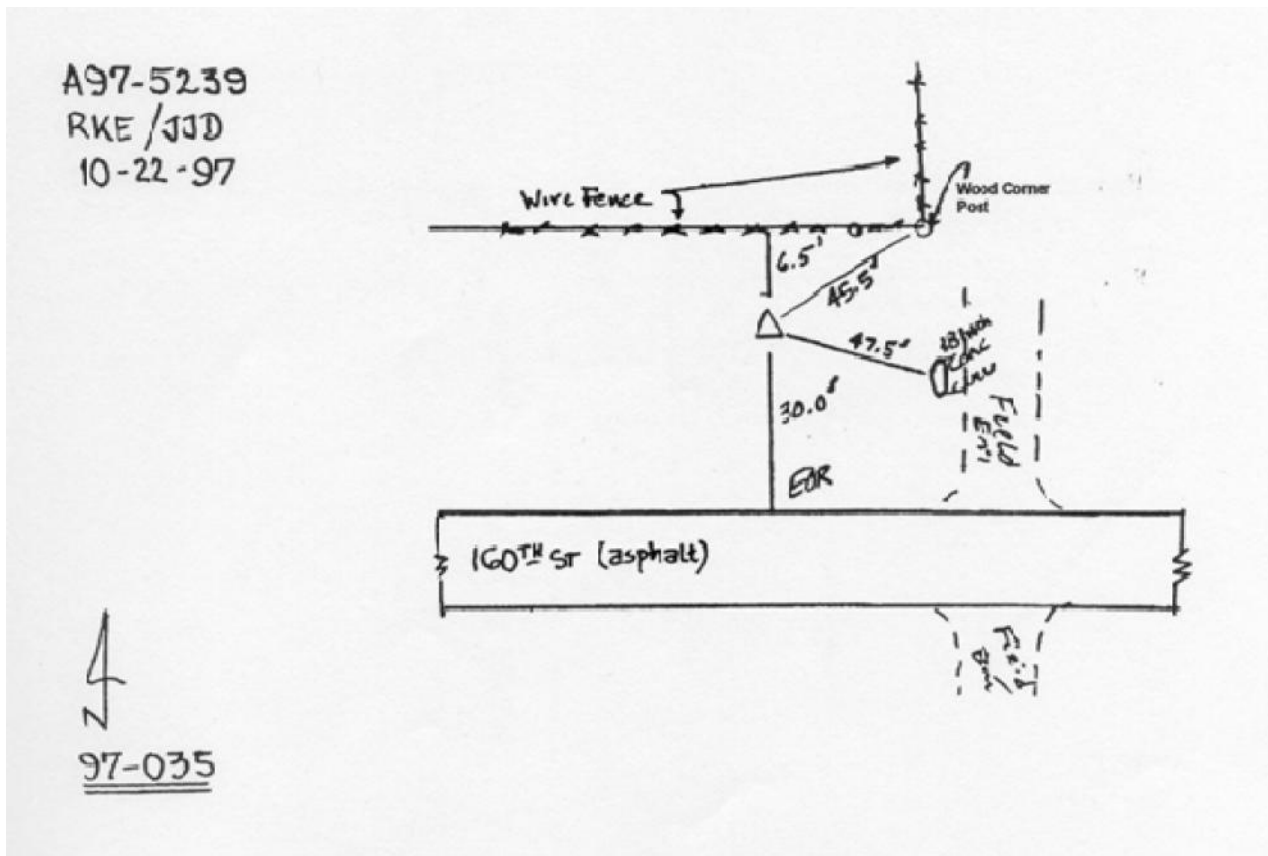
Designation: 97-035 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°59'42.69940"** Longitude: **W93°51'09.12203"**
NAVD 88 Ortho Height: **1159.930sft** Ellip. Ht: **1063.517sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825921.829sft** Easting: **4826935.850sft**
Mapping Angle: **-0°14'20"** Combination Scale Factor: **0.999910938**

IaRCS Zone 2 Northing: **9739440.295sft** Easting: **12205019.104sft**
Mapping Angle: **-00° 45' 15"** Combination Scale Factor: **0.999996531**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **36**

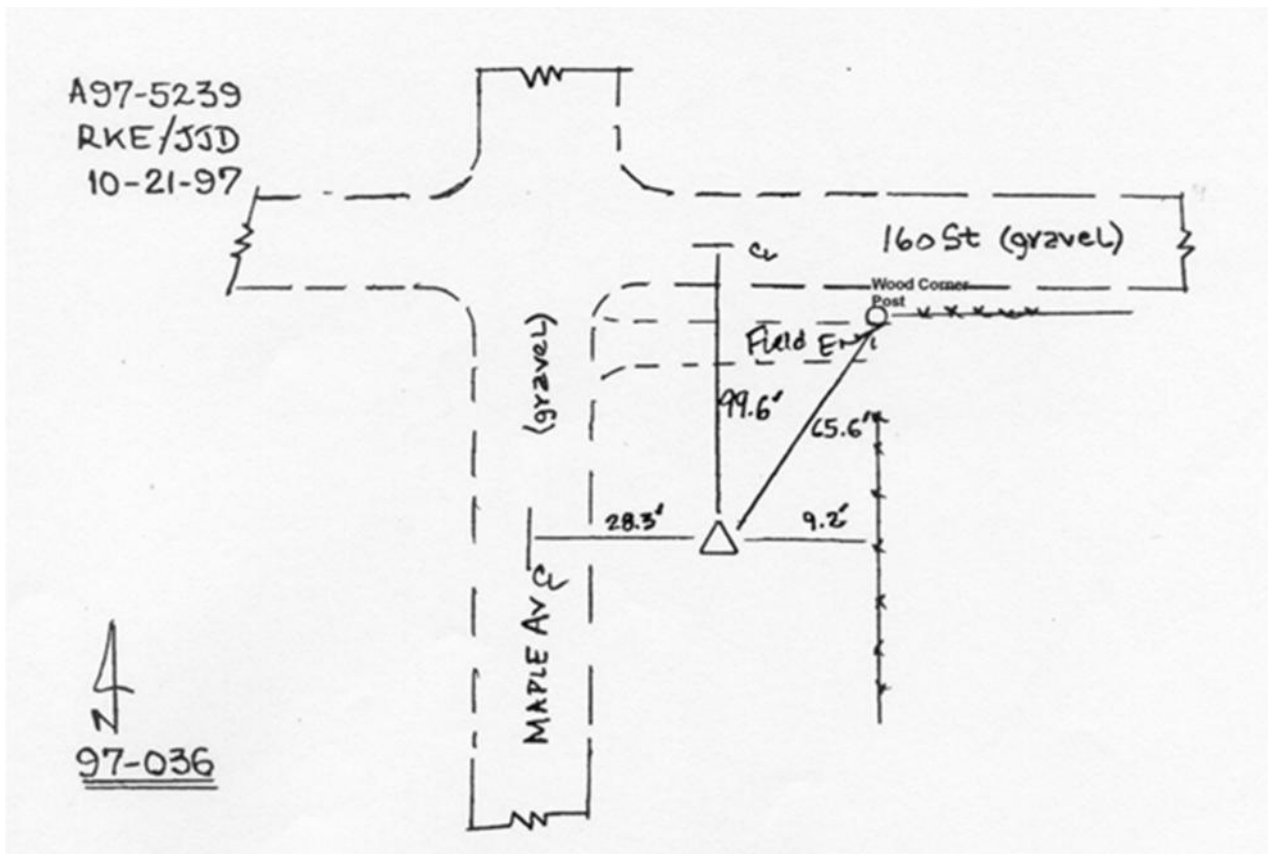
Designation: 97-036 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°59'41.63364"** Longitude: **W93°44'02.57367"**
NAVD 88 Ortho Height: **1229.170sft** Ellip. Ht: **1133.210sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825703.960sft** Easting: **4858634.172sft**
Mapping Angle: **-0°09'31"** Combination Scale Factor: **0.999907583**

IaRCS Zone 2 Northing: **9738937.497sft** Easting: **12236716.906sft**
Mapping Angle: **-00° 40' 24"** Combination Scale Factor: **0.999993209**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **37**

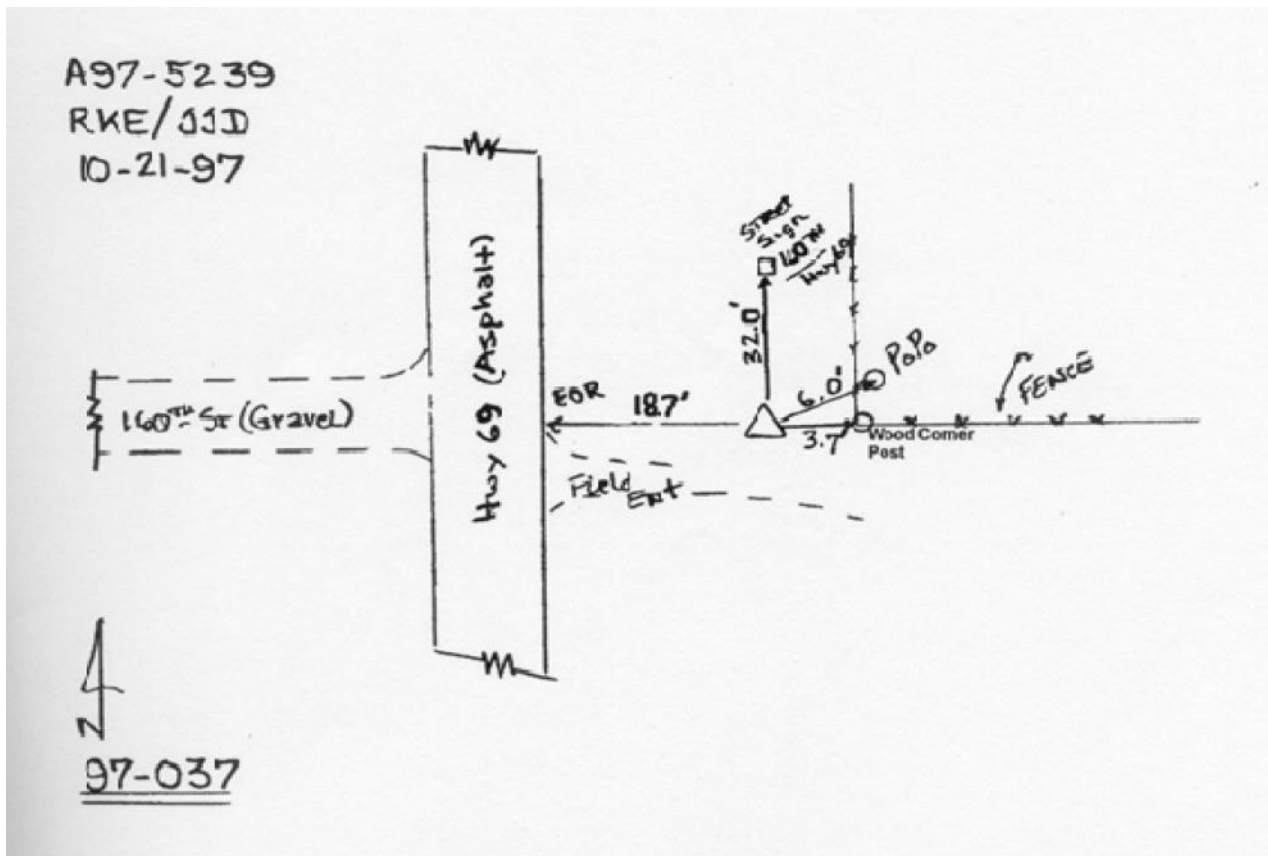
Designation: 97-037 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°59'42.59125"** Longitude: **W93°36'58.44462"**
NAVD 88 Ortho Height: **1211.910sft** Ellip. Ht: **1117.250sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825735.608sft** Easting: **4890153.408sft**
Mapping Angle: **-0°04'44"** Combination Scale Factor: **0.999908371**

IaRCS Zone 2 Northing: **9738686.253sft** Easting: **12268237.862sft**
Mapping Angle: **-00° 35' 33"** Combination Scale Factor: **0.999993960**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **38**

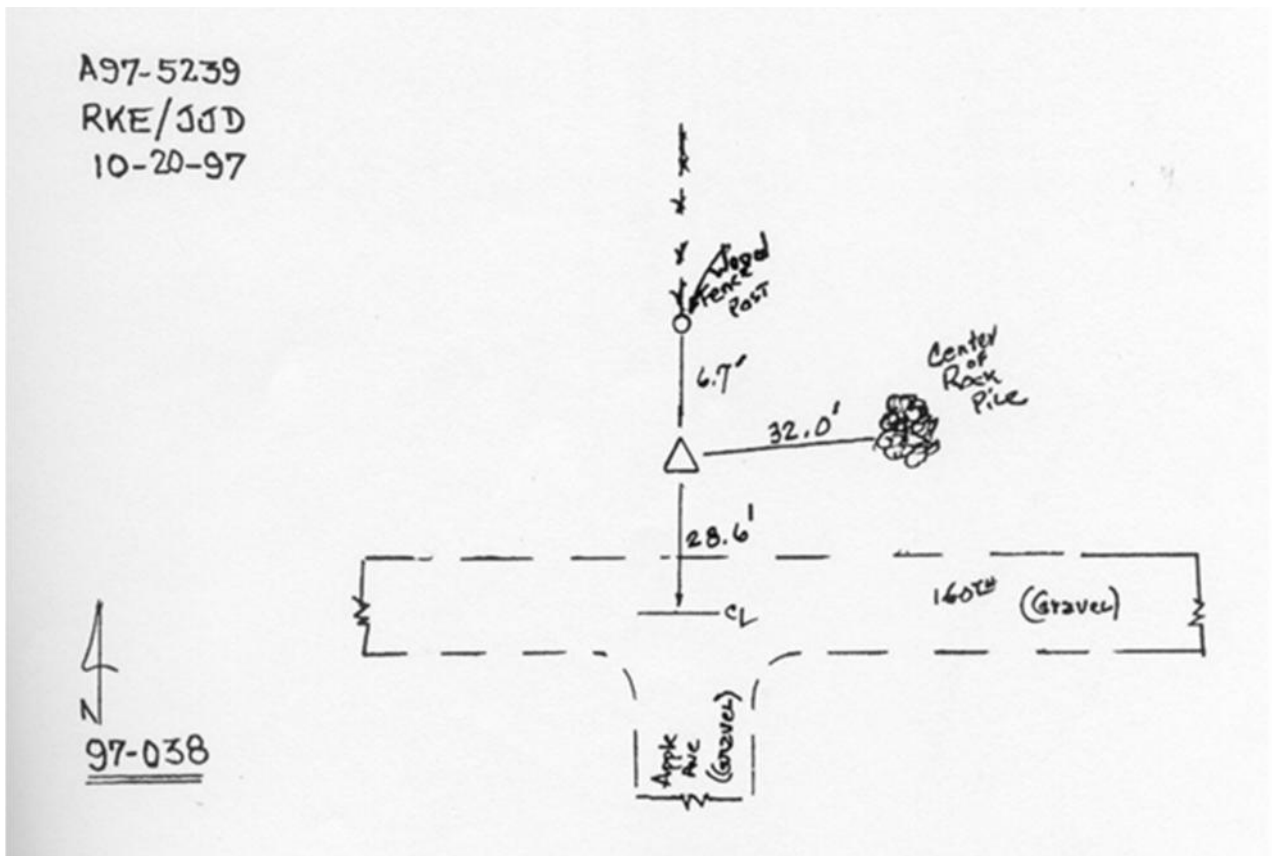
Designation: 97-038 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°59'43.08781"** Longitude: **W93°29'52.28264"**
NAVD 88 Ortho Height: **1226.210sft** Ellip. Ht: **1133.449sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825764.510sft** Easting: **4921823.512sft**
Mapping Angle: **0°00'05"** Combination Scale Factor: **0.999907612**

laRCS Zone 2 Northing: **9738431.323sft** Easting: **12299909.670sft**
Mapping Angle: **-00° 30' 42"** Combination Scale Factor: **0.999993177**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **39**

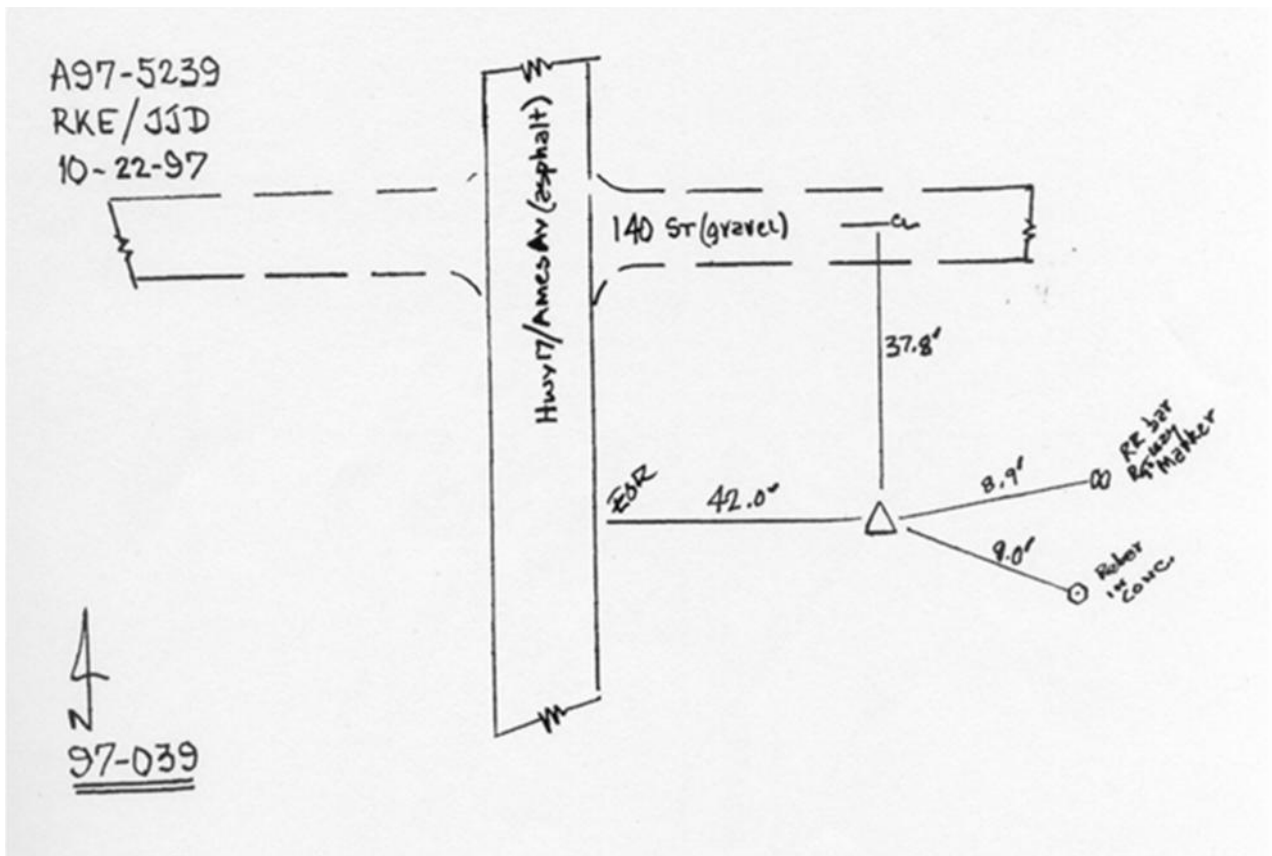
Designation: 97-039 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°57'55.64367"** Longitude: **W93°58'16.40798"**
NAVD 88 Ortho Height: **1179.820sft** Ellip. Ht: **1083.464sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3815238.469sft** Easting: **4795122.190sft**
Mapping Angle: **-0°19'10"** Combination Scale Factor: **0.999907157**

IaRCS Zone 2 Northing: **9729042.804sft** Easting: **12173107.763sft**
Mapping Angle: **-00° 50' 08"** Combination Scale Factor: **0.999997255**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **40**

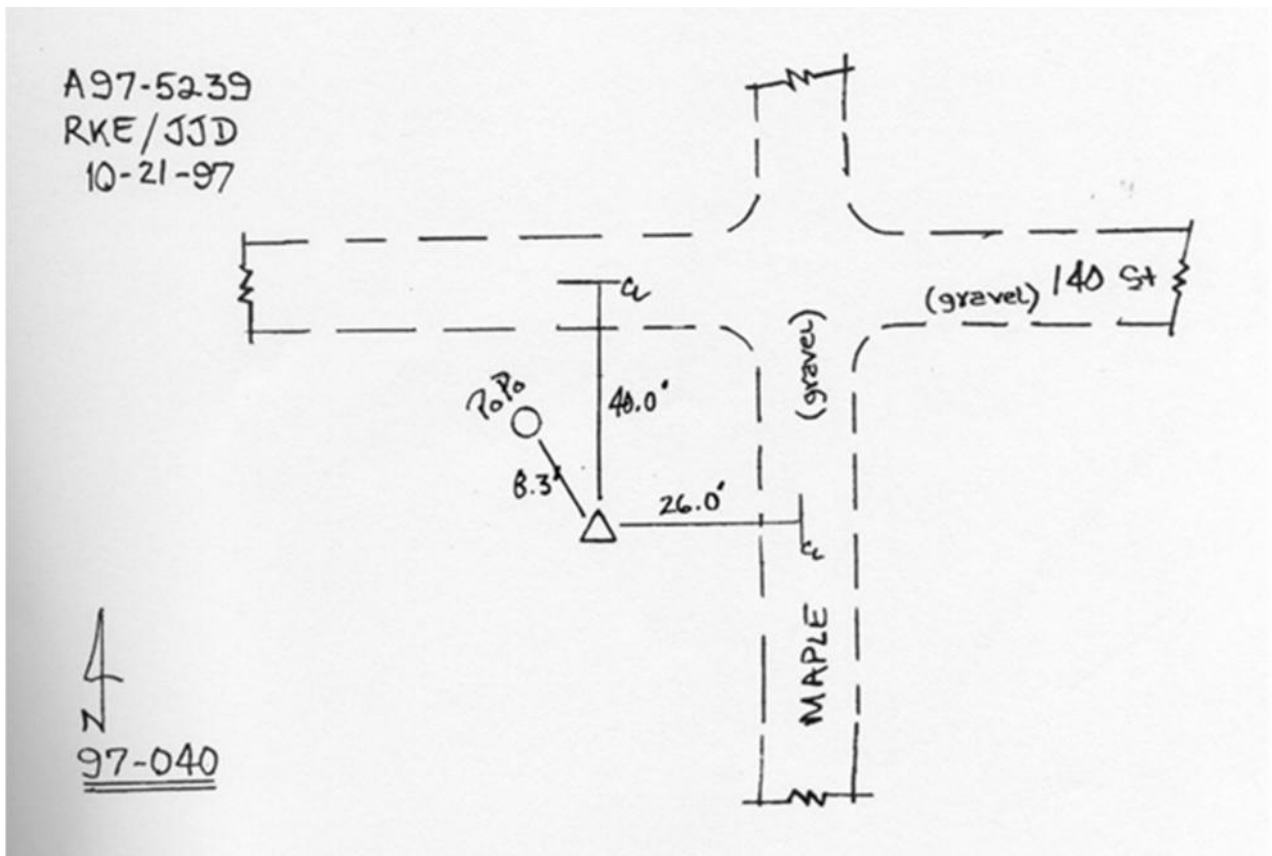
Designation: 97-040 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°57'58.29063"** Longitude: **W93°44'03.18136"**
NAVD 88 Ortho Height: **1226.540sft** Ellip. Ht: **1130.929sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3815241.764sft** Easting: **4858560.025sft**
Mapping Angle: **-0°09'31"** Combination Scale Factor: **0.999904959**

IaRCS Zone 2 Northing: **9728475.469sft** Easting: **12236548.786sft**
Mapping Angle: **-00° 40' 24"** Combination Scale Factor: **0.999994937**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **41**

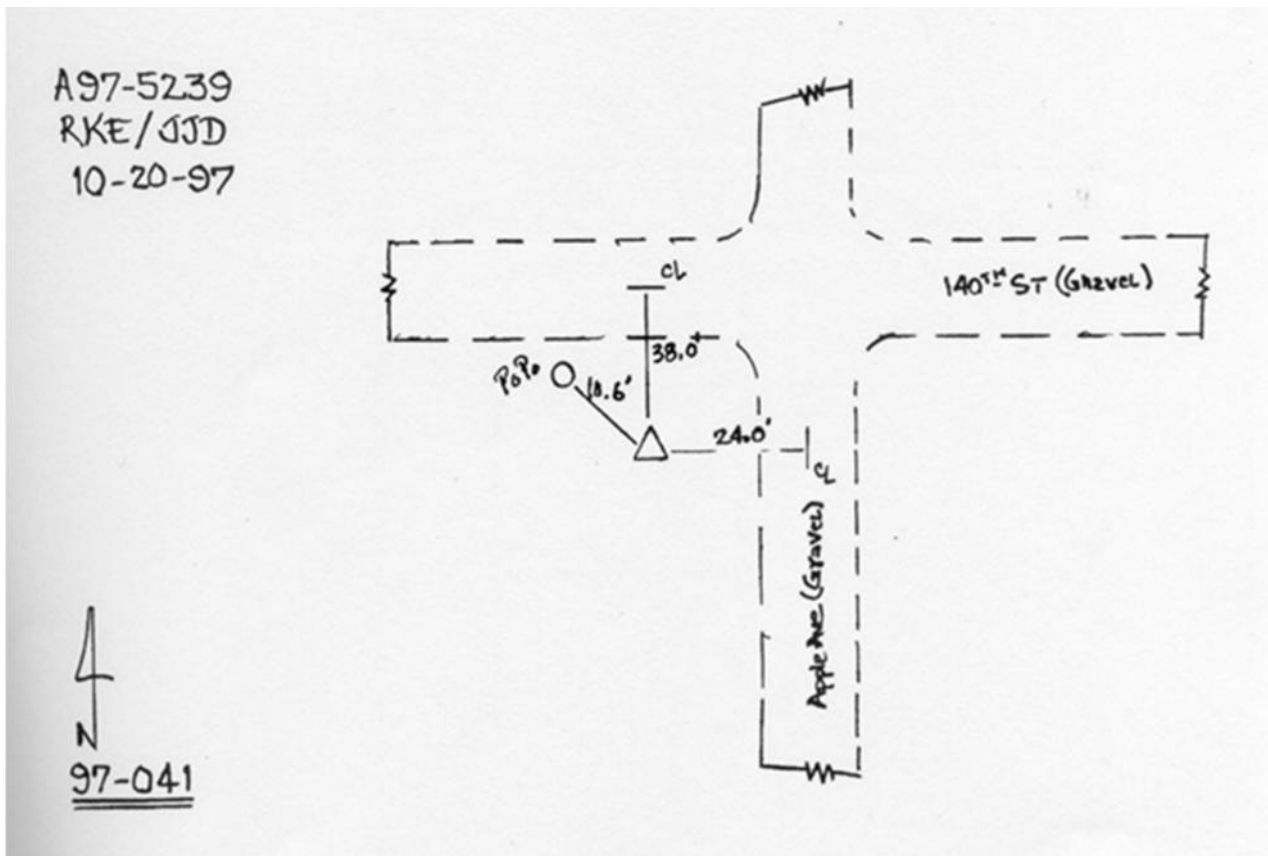
Designation: 97-041 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°57'58.34518"** Longitude: **W93°29'53.64607"**
NAVD 88 Ortho Height: **1252.180sft** Ellip. Ht: **1159.830sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3815160.449sft** Easting: **4921722.411sft**
Mapping Angle: **0°00'04"** Combination Scale Factor: **0.999903582**

IaRCS Zone 2 Northing: **9727827.661sft** Easting: **12299713.598sft**
Mapping Angle: **-00° 30' 43"** Combination Scale Factor: **0.999993553**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **42**

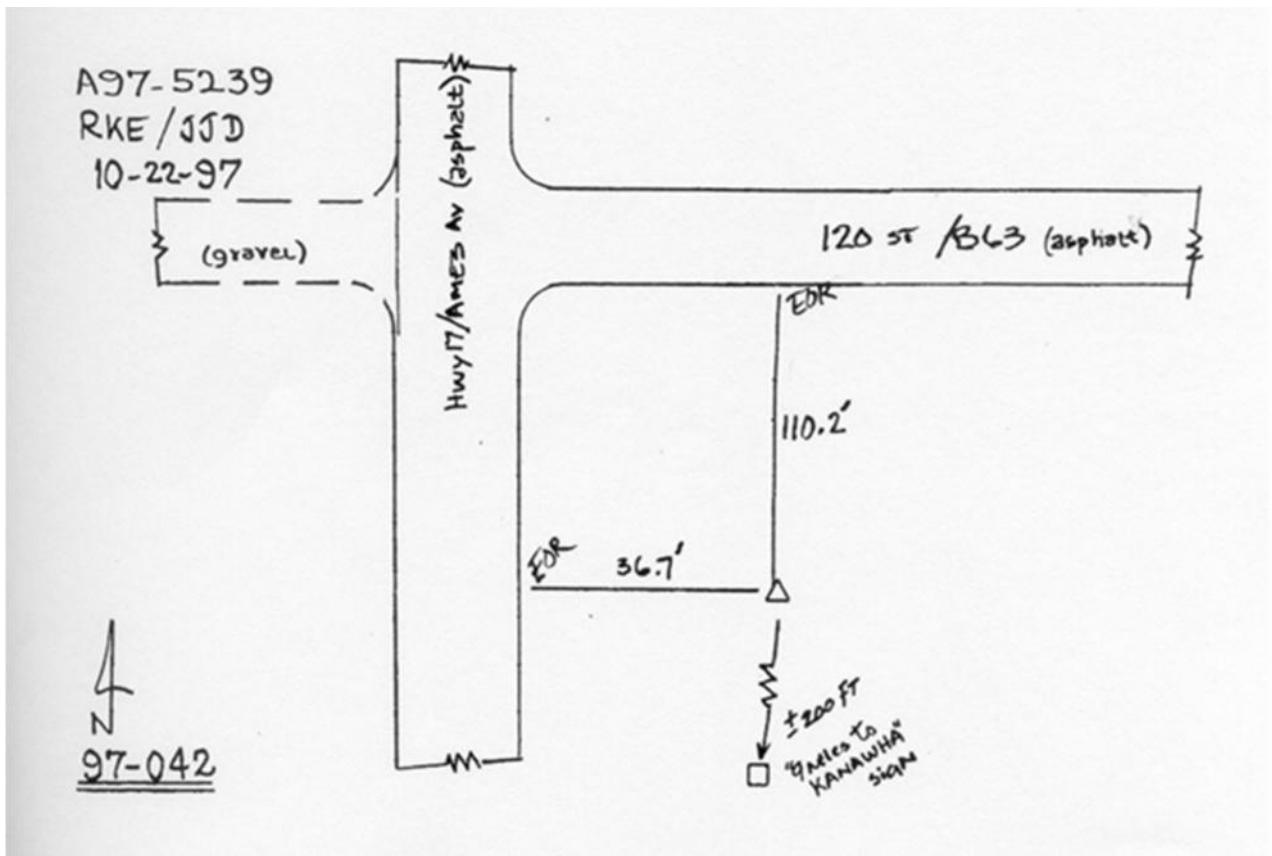
Designation: 97-042 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°56'10.70171"** Longitude: **W93°58'16.29622"**
NAVD 88 Ortho Height: **1161.200sft** Ellip. Ht: **1064.909sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3804614.435sft** Easting: **4795071.284sft**
Mapping Angle: **-0°19'10"** Combination Scale Factor: **0.999905531**

IaRCS Zone 2 Northing: **9718418.676sft** Easting: **12172961.150sft**
Mapping Angle: **-00° 50' 08"** Combination Scale Factor: **1.000000049**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **43**

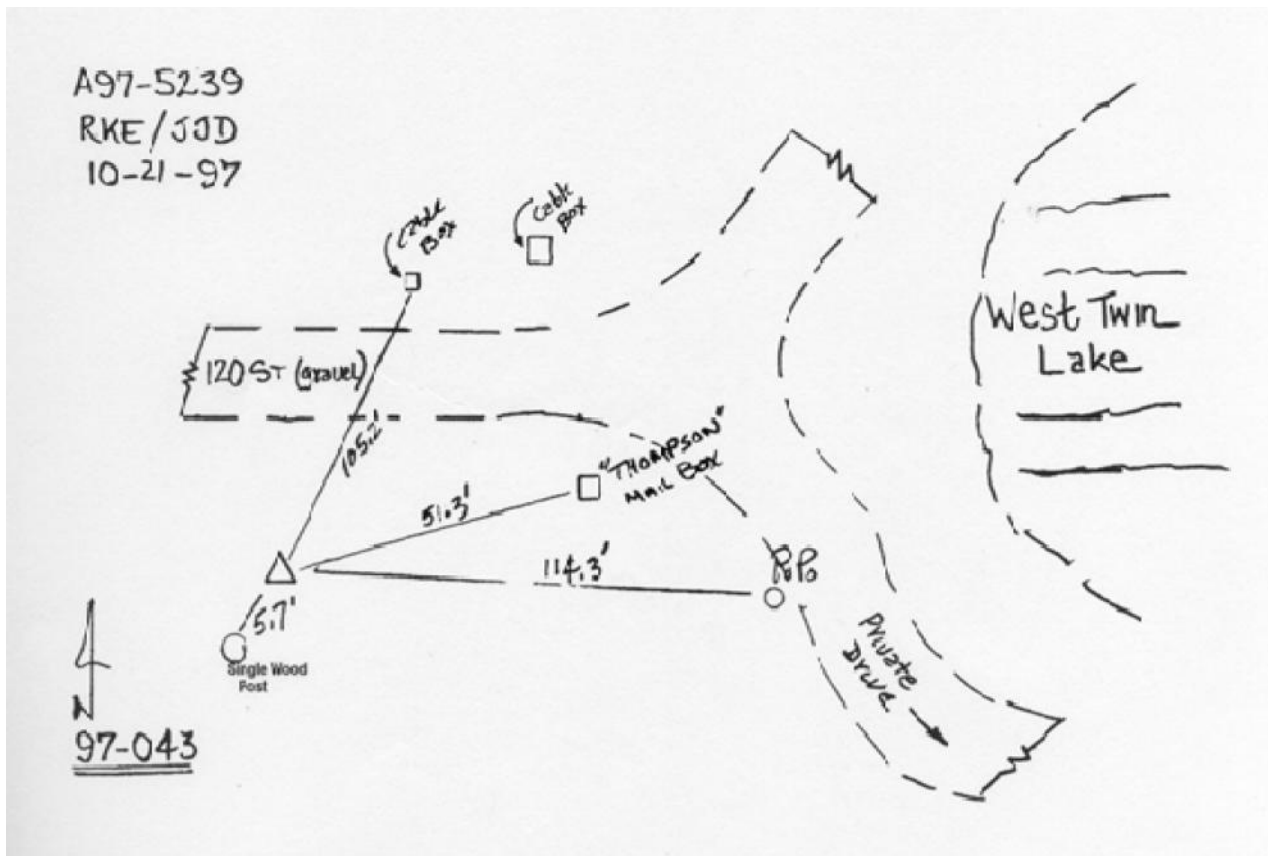
Designation: 97-043 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°56'14.57650"** Longitude: **W93°44'20.66541"**
NAVD 88 Ortho Height: **1220.330sft** Ellip. Ht: **1125.101sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3804745.592sft** Easting: **4857230.408sft**
Mapping Angle: **-0°09'43"** Combination Scale Factor: **0.999902747**

laRCS Zone 2 Northing: **9717990.694sft** Easting: **12235124.821sft**
Mapping Angle: **-00° 40' 36"** Combination Scale Factor: **0.999997092**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **44**

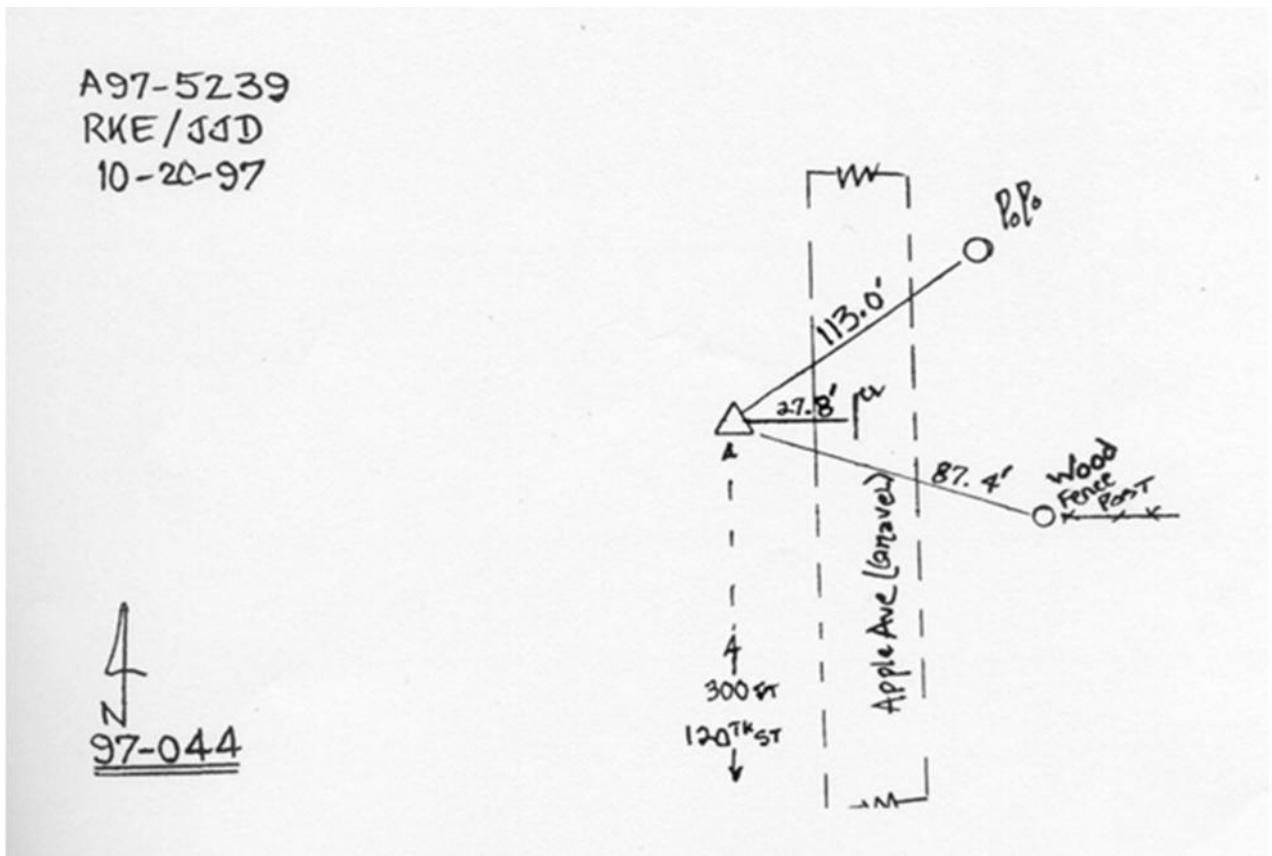
Designation: 97-044 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°56'17.32708"** Longitude: **W93°29'54.21407"**
NAVD 88 Ortho Height: **1268.600sft** Ellip. Ht: **1176.637sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3804933.537sft** Easting: **4921680.375sft**
Mapping Angle: **0°00'04"** Combination Scale Factor: **0.999900351**

laRCS Zone 2 Northing: **9717600.591sft** Easting: **12299579.971sft**
Mapping Angle: **-00° 30' 43"** Combination Scale Factor: **0.999994571**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **45**

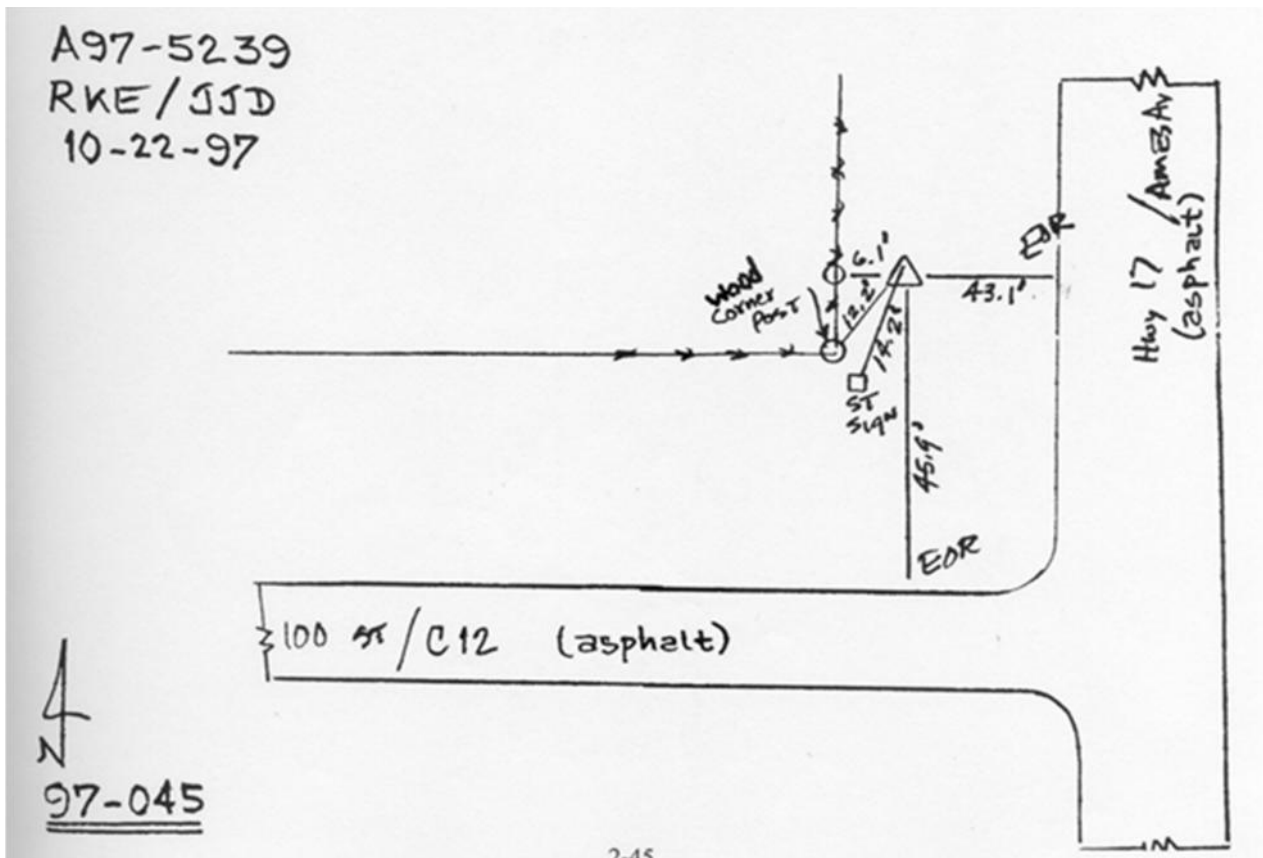
Designation: 97-045 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°54'28.42191"** Longitude: **W93°58'17.16012"**
NAVD 88 Ortho Height: **1148.230sft** Ellip. Ht: **1052.058sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3794260.390sft** Easting: **4794949.281sft**
Mapping Angle: **-0°19'10"** Combination Scale Factor: **0.999903945**

IaRCS Zone 2 Northing: **9708065.147sft** Easting: **12172745.868sft**
Mapping Angle: **-00° 50' 08"** Combination Scale Factor: **1.000002769**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **46**

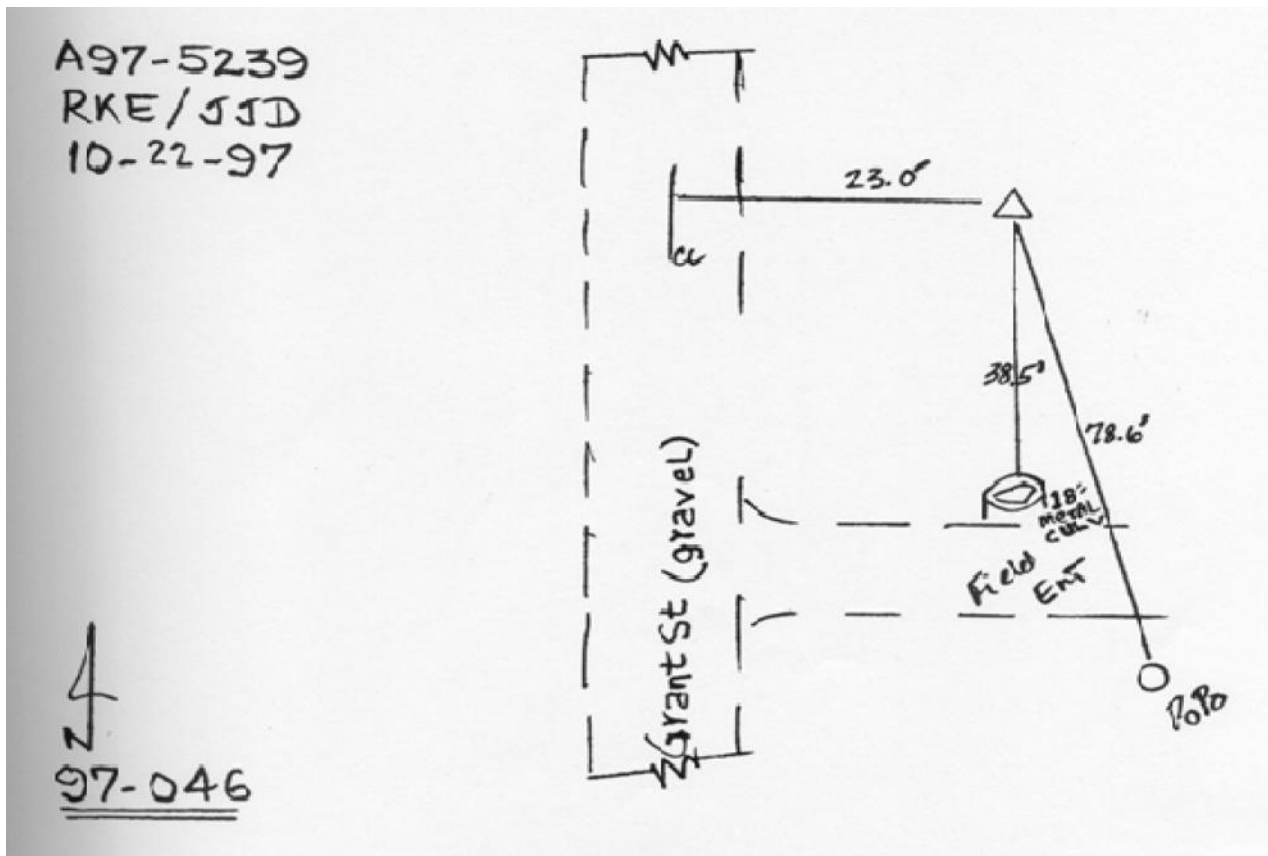
Designation: 97-046 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°54'31.70298"** Longitude: **W93°51'08.03672"**
NAVD 88 Ortho Height: **1147.950sft** Ellip. Ht: **1052.236sft** Geoid12A

Iowa North Zone (1401) Northing: **3794436.982sft** Easting: **4826885.323sft**
Mapping Angle: **-0°14'19"** Combination Scale Factor: **0.999904003**

laRCS Zone 2 Northing: **9707954.269sft** Easting: **12204685.365sft**
Mapping Angle: **-00° 45' 15"** Combination Scale Factor: **1.000002689**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **47**

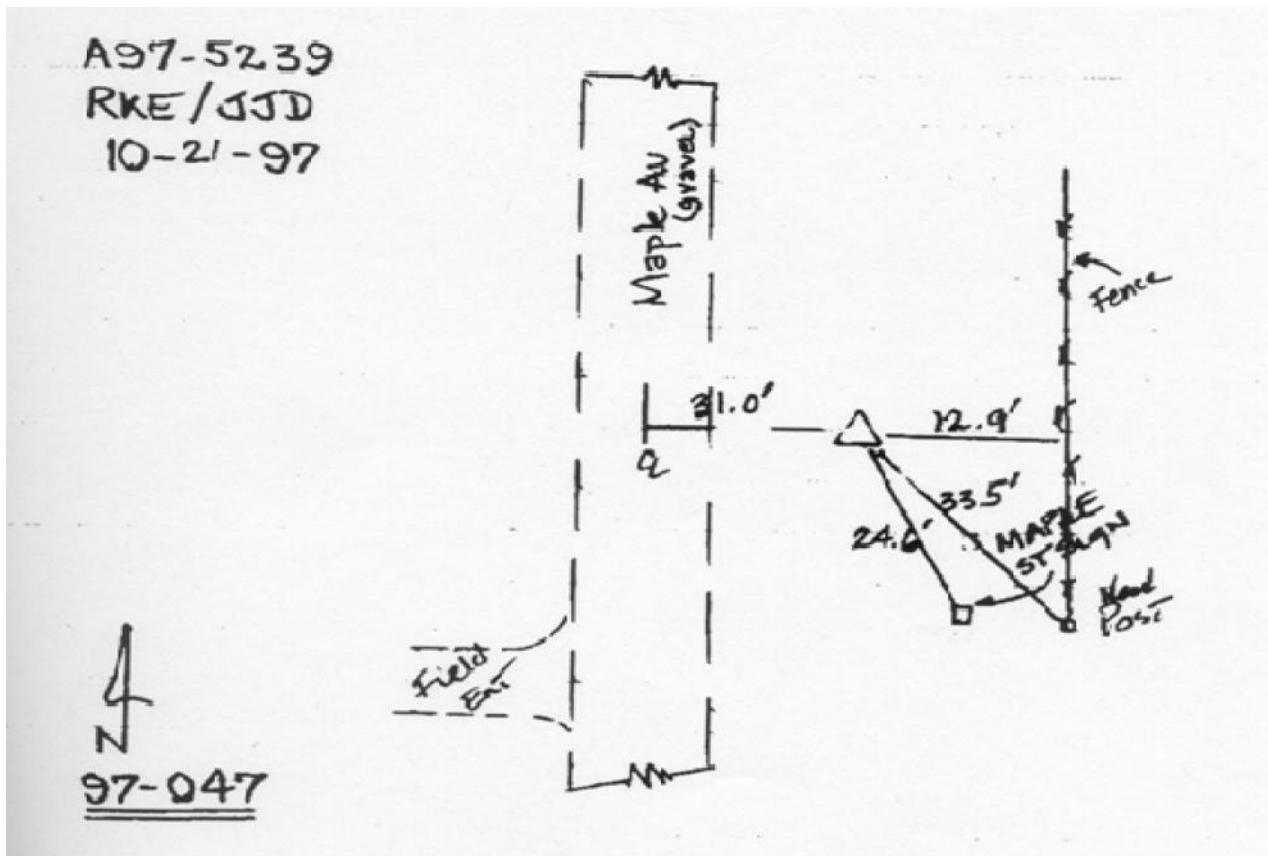
Designation: 97-047 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°54'29.26258"** Longitude: **W93°44'02.37068"**
NAVD 88 Ortho Height: **1223.830sft** Ellip. Ht: **1129.189sft** Geoid12A

Iowa North Zone (1401) Northing: **3794080.092sft** Easting: **4858561.726sft**
Mapping Angle: **-0°09'31"** Combination Scale Factor: **0.999900282**

IaRCS Zone 2 Northing: **9707312.634sft** Easting: **12236360.415sft**
Mapping Angle: **-00° 40' 23"** Combination Scale Factor: **0.999999057**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **48**

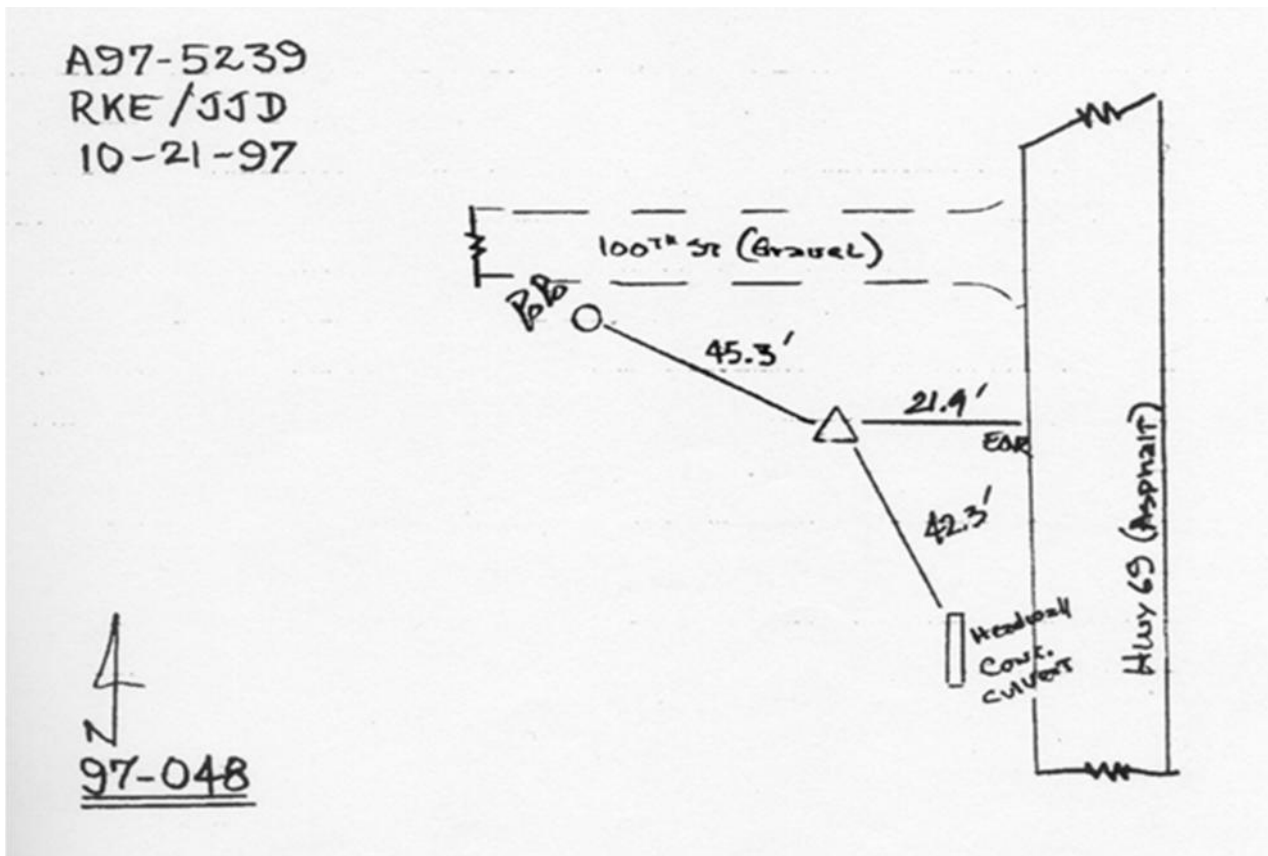
Designation: 97-048 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°54'30.20443"** Longitude: **W93°37'00.02300"**
NAVD 88 Ortho Height: **1227.530sft** Ellip. Ht: **1134.592sft** Geoid12A

Iowa North Zone (1401) Northing: **3794110.256sft** Easting: **4889992.465sft**
Mapping Angle: **-0°04'45"** Combination Scale Factor: **0.999900044**

laRCS Zone 2 Northing: **9707060.695sft** Easting: **12267793.268sft**
Mapping Angle: **-00° 35' 34"** Combination Scale Factor: **0.999998778**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **49**

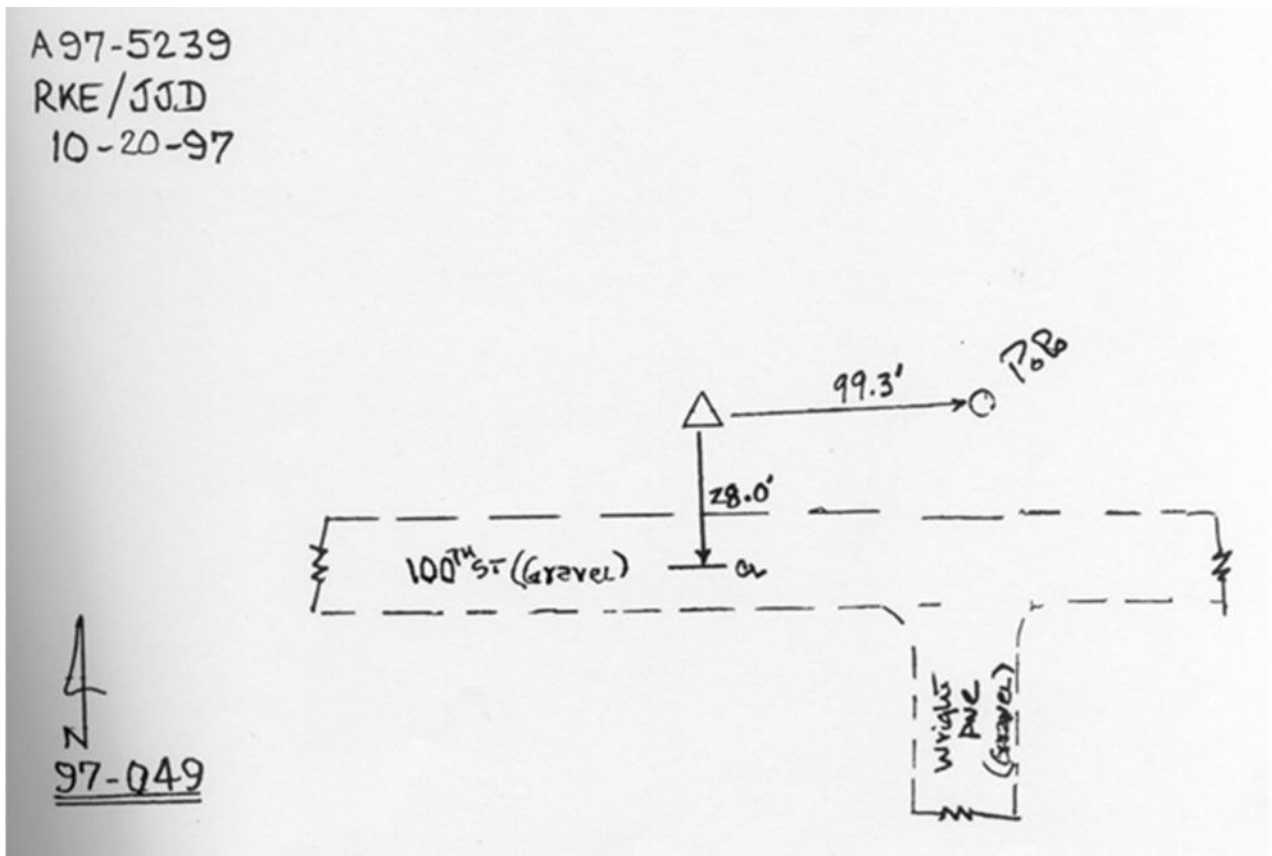
Designation: 97-049 HANCOCK CO GPS CONTROL PT (Set by ASI in 1997)

NAD 83(NA2011) Latitude: **N42°54'30.83946"** Longitude: **W93°29'56.52204"**
NAVD 88 Ortho Height: **1267.760sft** Ellip. Ht: **1176.200sft** Geoid12A

Iowa North Zone (1401) Northing: **3794152.977sft** Easting: **4921508.824sft**
Mapping Angle: **0°00'02"** Combination Scale Factor: **0.999898072**

IaRCS Zone 2 Northing: **9706820.958sft** Easting: **12299311.863sft**
Mapping Angle: **-00° 30' 45"** Combination Scale Factor: **0.999996772**

Monument Type: Existing Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **50**

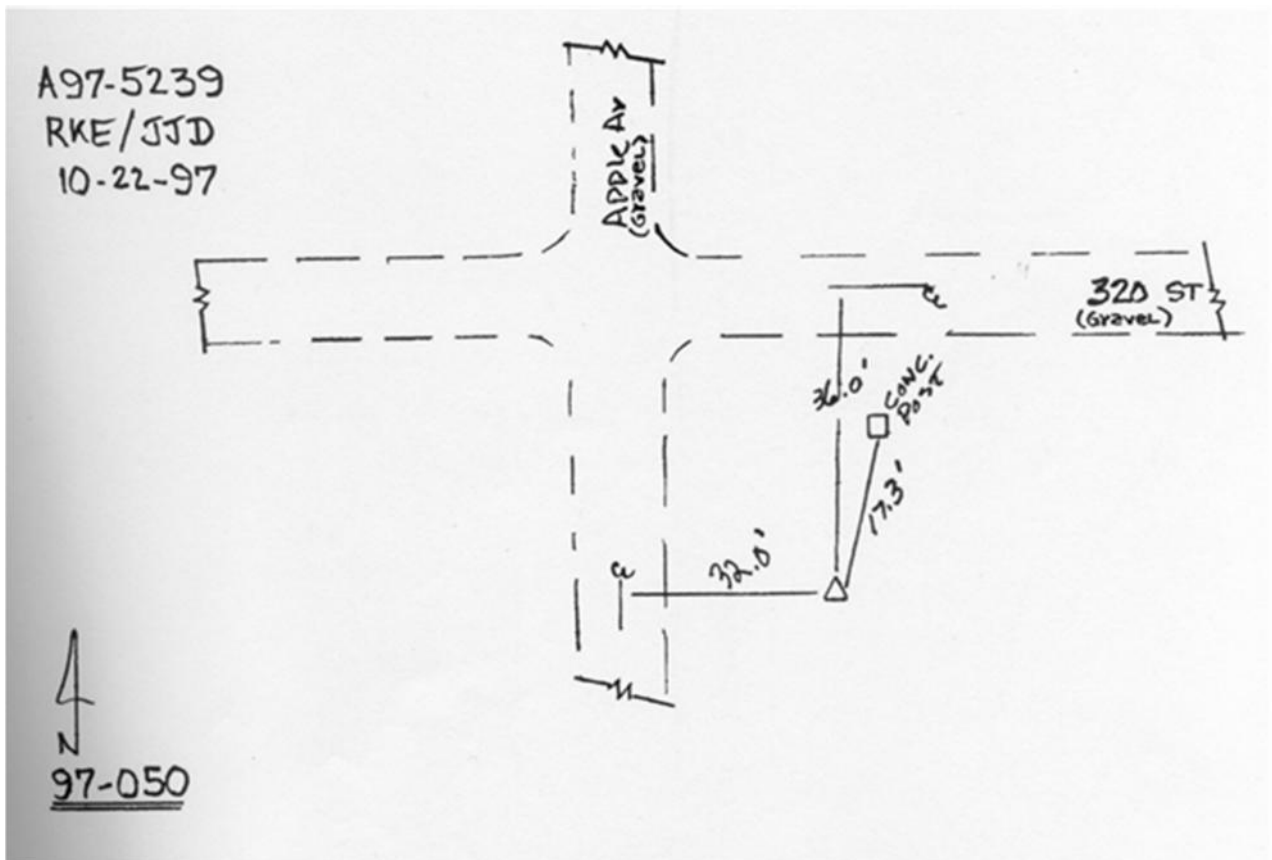
Designation: USGS & STATE SURVEY NO 893

NAD 83(NA2011) Latitude: **N43°13'38.64376"** Longitude: **W93°29'51.08395"**
NAVD 88 Ortho Height: **1270.430sft** Ellip. Ht: **1174.522sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3910358.778sft** Easting: **4921910.114sft**
Mapping Angle: **0°00'06"** Combination Scale Factor: **0.999937025**

IaRCS Zone 2 Northing: **9823027.189sft** Easting: **12300753.848sft**
Mapping Angle: **-00° 30' 41"** Combination Scale Factor: **0.999987320**

Monument Type: Existing concrete post monument with a brass disk set in the top.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **51**

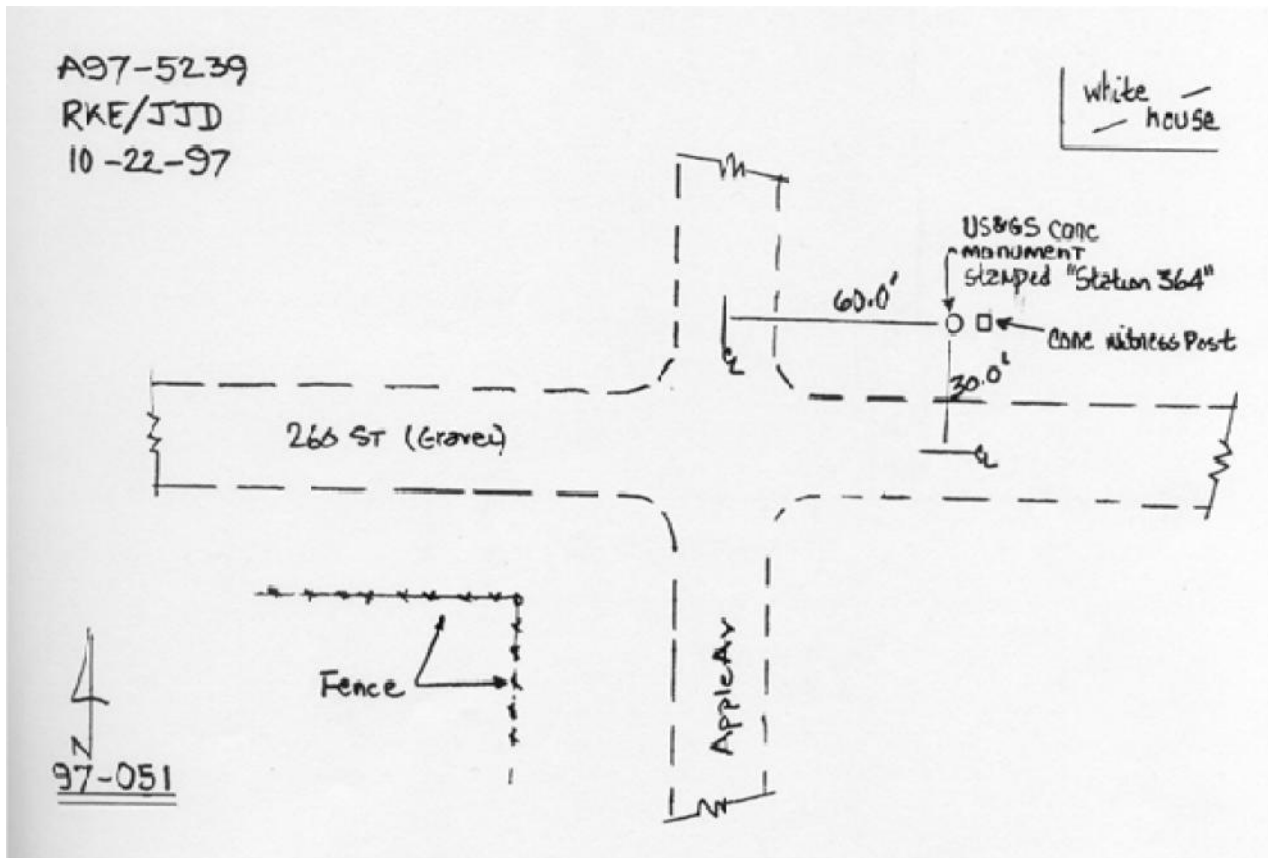
Designation: USGS & STATE SURVEY NO 364

NAD 83(NA2011) Latitude: **N43°08'28.08725"** Longitude: **W93°29'50.60280"**
NAVD 88 Ortho Height: **1262.280sft** Ellip. Ht: **1167.402sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3878916.360sft** Easting: **4921946.708sft**
Mapping Angle: **0°00'06"** Combination Scale Factor: **0.999923781**

IaRCS Zone 2 Northing: **9791583.909sft** Easting: **12300508.867sft**
Mapping Angle: **-00° 30' 41"** Combination Scale Factor: **0.999987199**

Monument Type: Existing concrete post monument with a brass disk set in the top.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **52**

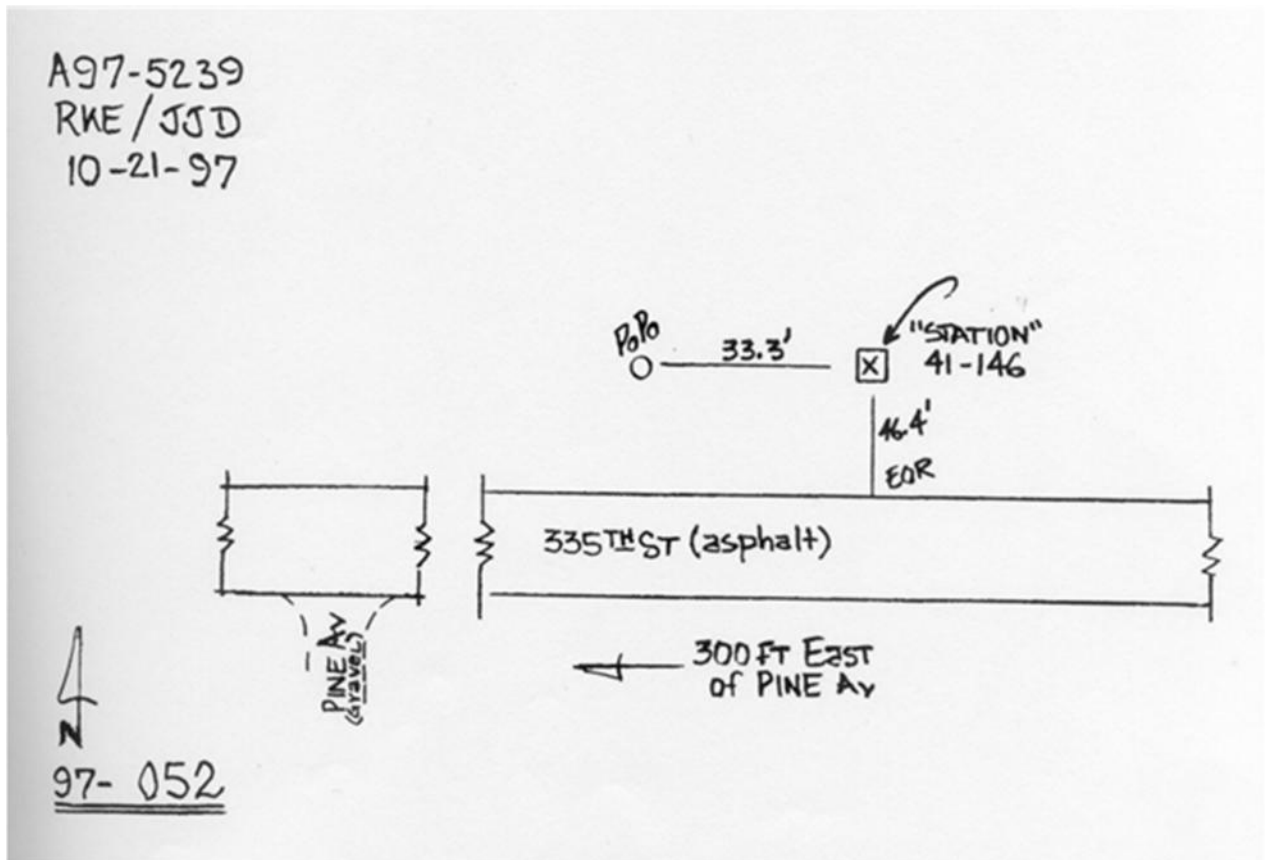
Designation: USGS & STATE SURVEY NO 41-146

NAD 83(NA2011) Latitude: **N43°14'57.23519"** Longitude: **W93°39'53.70534"**
NAVD 88 Ortho Height: **1269.060sft** Ellip. Ht: **1172.139sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3918358.795sft** Easting: **4877309.619sft**
Mapping Angle: **-0°06'42"** Combination Scale Factor: **0.999940938**

laRCS Zone 2 Northing: **9831427.097sft** Easting: **12256224.683sft**
Mapping Angle: **-00° 37' 33"** Combination Scale Factor: **0.999987909**

Monument Type: Existing concrete post monument with a brass disk set in the top.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **53**

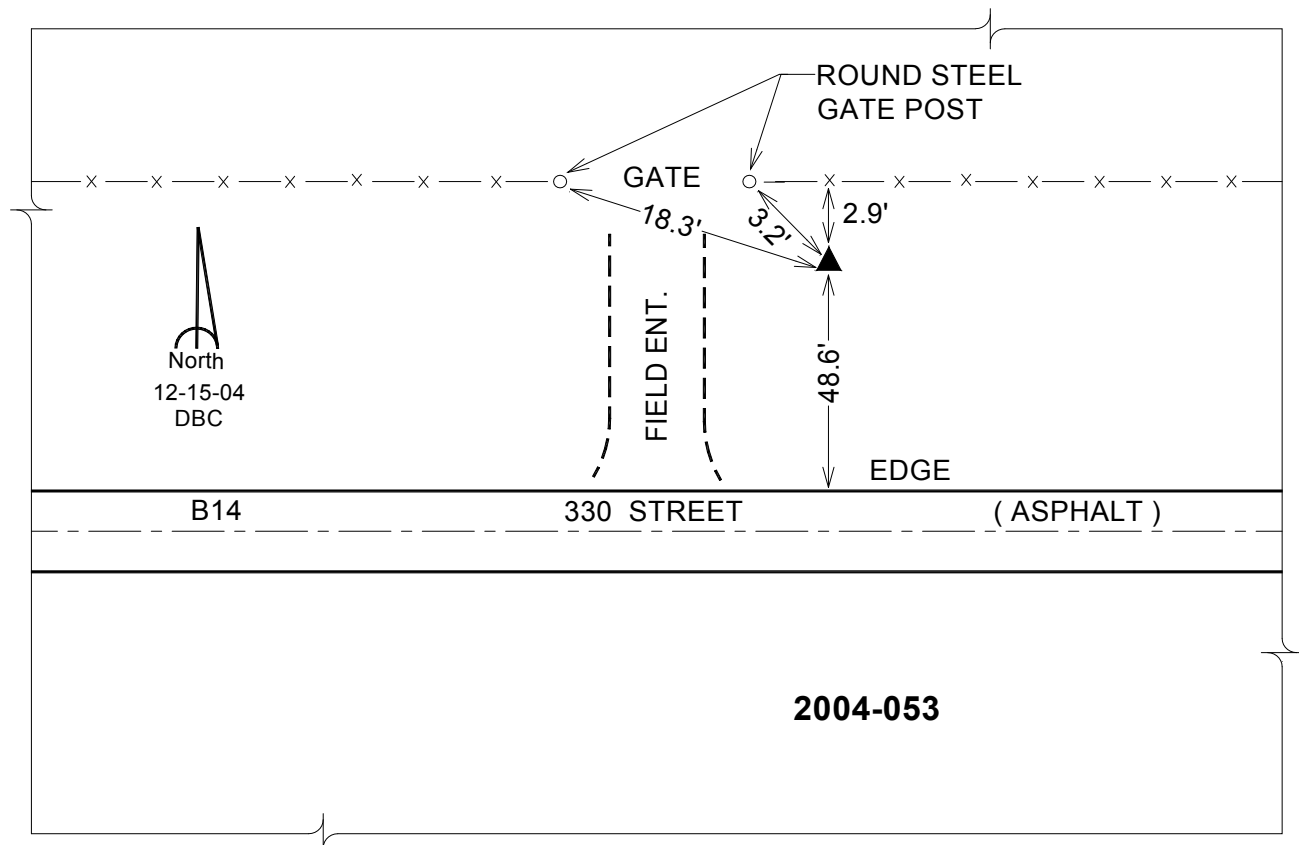
Designation: 2004-053 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°14'31.81679"** Longitude: **W93°33'19.19377"**
NAVD 88 Ortho Height: **1292.330sft** Ellip. Ht: **1195.715sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3915747.211sft** Easting: **4906505.893sft**
Mapping Angle: **-0°02'15"** Combination Scale Factor: **0.999938568**

IaRCS Zone 2 Northing: **9828553.669sft** Easting: **12285397.756sft**
Mapping Angle: **-00° 33' 03"** Combination Scale Factor: **0.999986611**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **54**

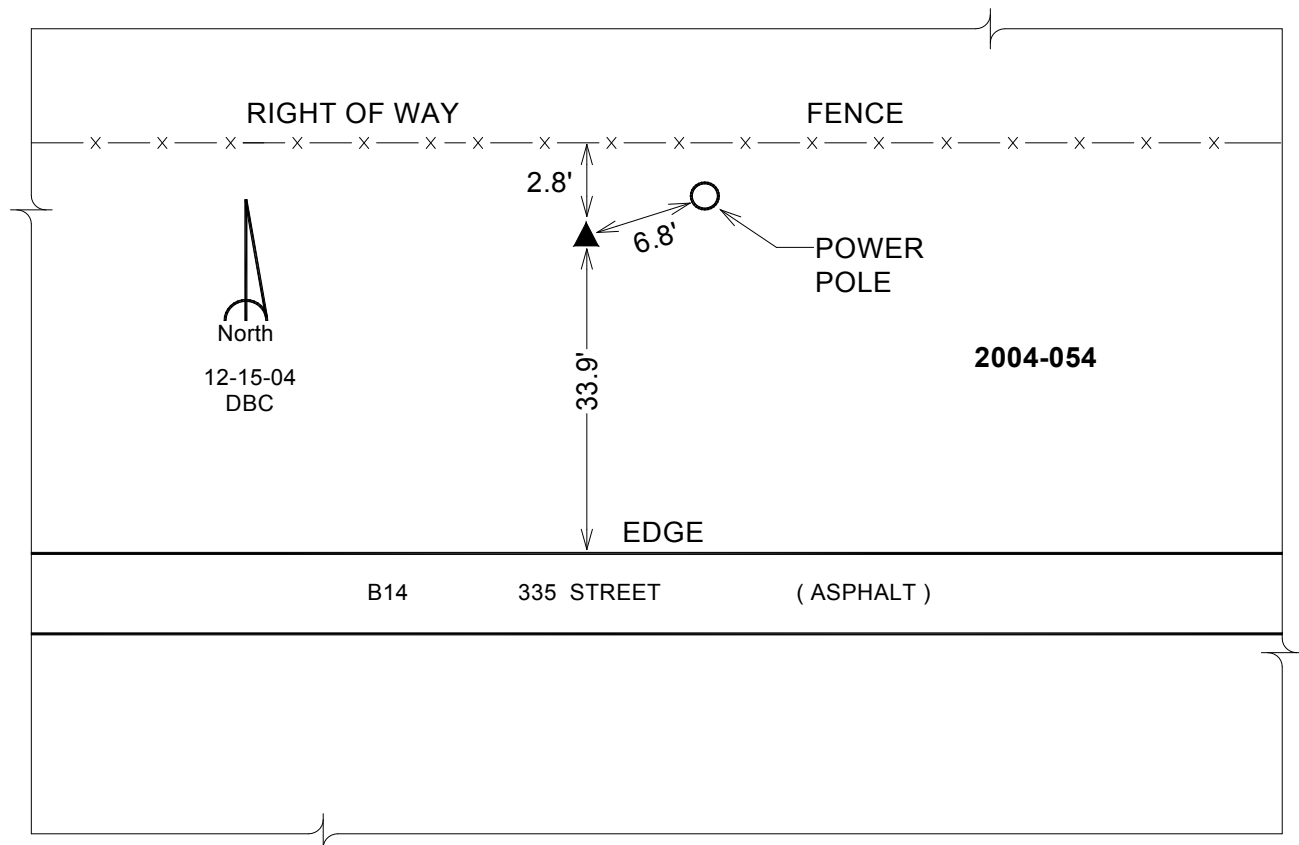
Designation: 2004-054 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°14'57.10724"** Longitude: **W93°40'54.03233"**
NAVD 88 Ortho Height: **1282.510sft** Ellip. Ht: **1185.606sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3918354.993sft** Easting: **4872844.772sft**
Mapping Angle: **-0°07'23"** Combination Scale Factor: **0.999940289**

laRCS Zone 2 Northing: **9831463.365sft** Easting: **12251759.771sft**
Mapping Angle: **-00° 38' 15"** Combination Scale Factor: **0.999987264**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **55**

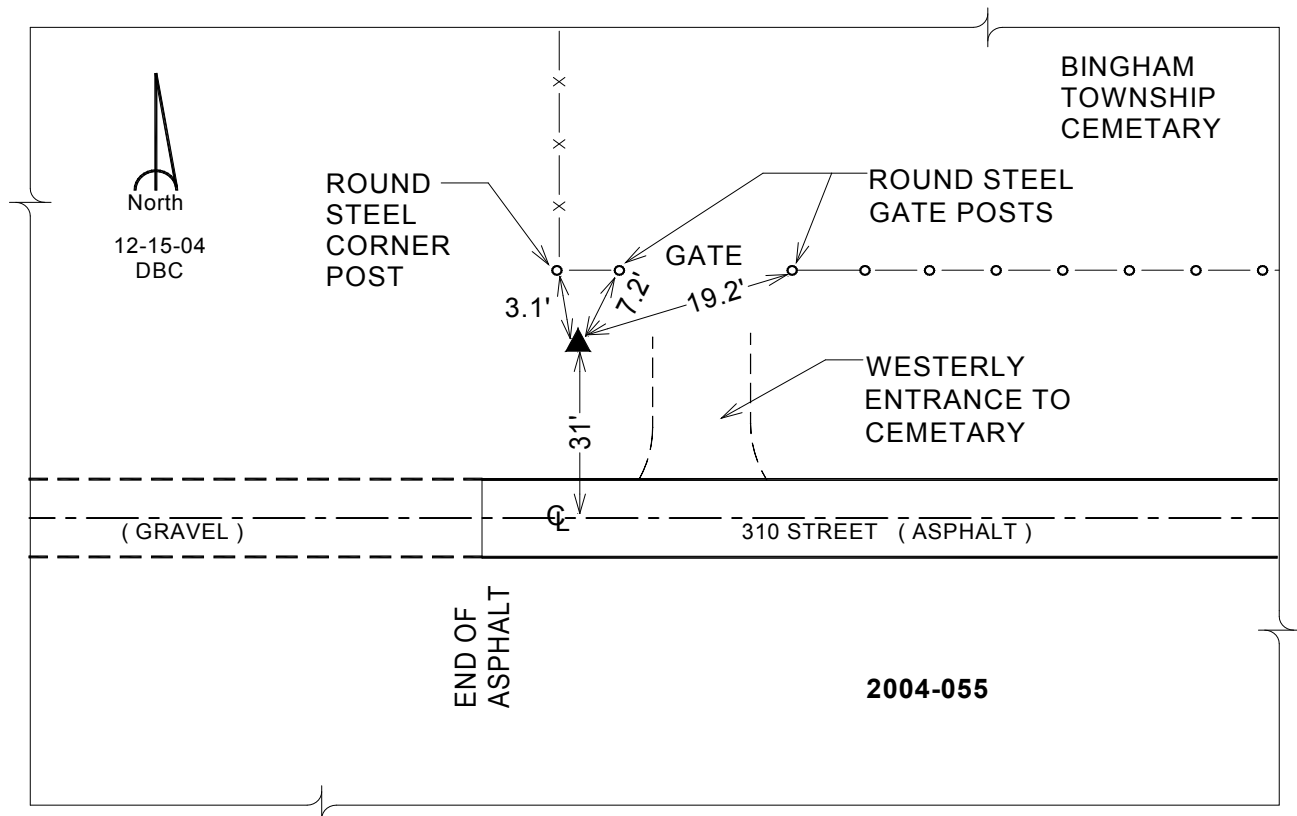
Designation: 2004-055 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°12'46.04473"** Longitude: **W93°54'49.10804"**
NAVD 88 Ortho Height: **1243.521sft** Ellip. Ht: **1147.487sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3905303.076sft** Easting: **4810975.870sft**
Mapping Angle: **-0°16'49"** Combination Scale Factor: **0.999935854**

laRCS Zone 2 Northing: **9818967.439sft** Easting: **12189772.960sft**
Mapping Angle: **-00° 47' 46"** Combination Scale Factor: **0.999988377**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **56**

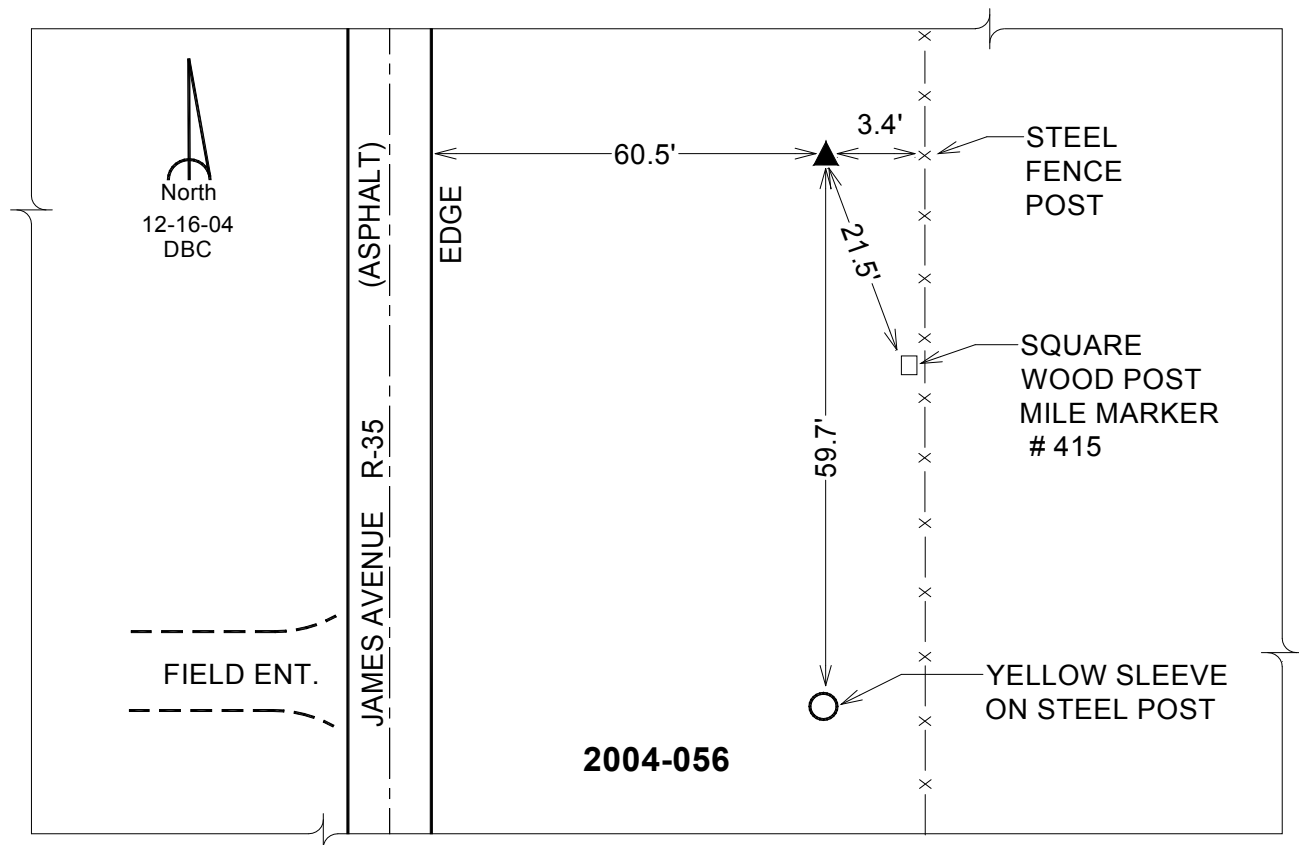
Designation: 2004-056 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°12'53.63007"** Longitude: **W93°47'32.52913"**
NAVD 88 Ortho Height: **1291.130sft** Ellip. Ht: **1194.434sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3905936.059sft** Easting: **4843308.704sft**
Mapping Angle: **-0°11'53"** Combination Scale Factor: **0.999933965**

laRCS Zone 2 Northing: **9819309.603sft** Easting: **12222111.879sft**
Mapping Angle: **-00° 42' 47"** Combination Scale Factor: **0.999986160**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **57**

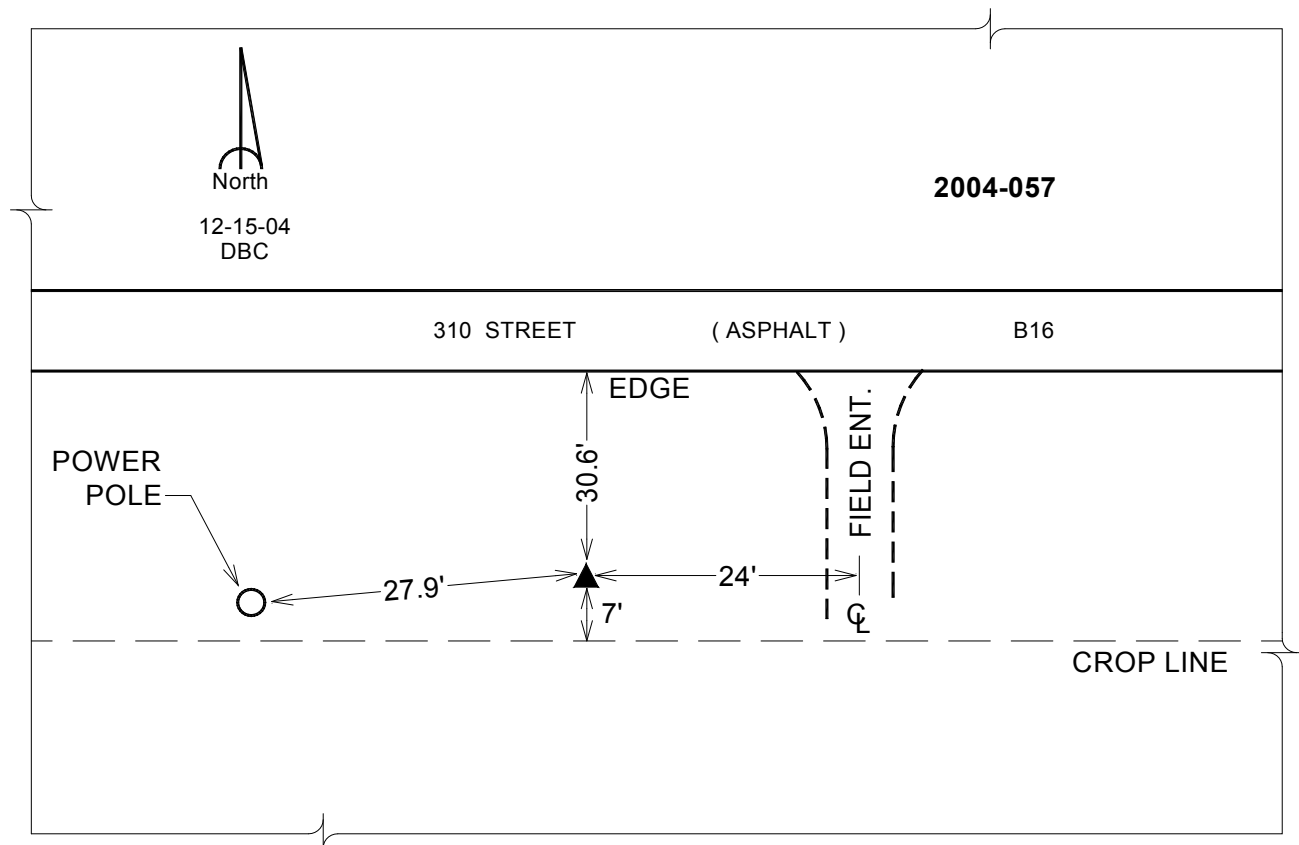
Designation: 2004-057 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°12'45.88521"** Longitude: **W93°40'42.13328"**
NAVD 88 Ortho Height: **1234.290sft** Ellip. Ht: **1137.402sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3905067.310sft** Easting: **4873697.393sft**
Mapping Angle: **-0°07'15"** Combination Scale Factor: **0.999936328**

IaRCS Zone 2 Northing: **9818167.901sft** Easting: **12252493.137sft**
Mapping Angle: **-00° 38' 06"** Combination Scale Factor: **0.999988859**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **58**

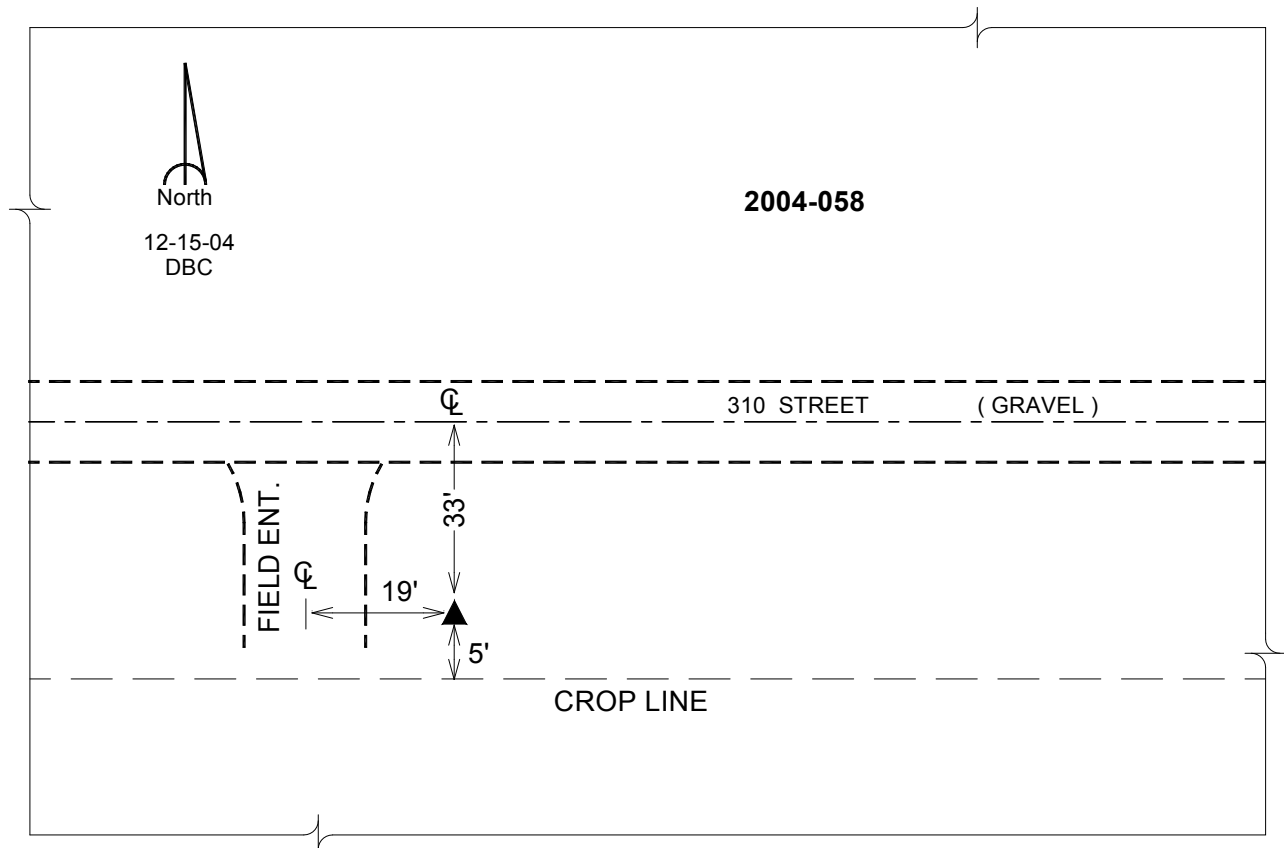
Designation: 2004-058 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°12'47.20117"** Longitude: **W93°36'41.62814"**
NAVD 88 Ortho Height: **1232.560sft** Ellip. Ht: **1135.790sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3905170.004sft** Easting: **4891507.949sft**
Mapping Angle: **-0°04'32"** Combination Scale Factor: **0.999936465**

IaRCS Zone 2 Northing: **9818110.807sft** Easting: **12270304.836sft**
Mapping Angle: **-00° 35' 22"** Combination Scale Factor: **0.999988942**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **59**

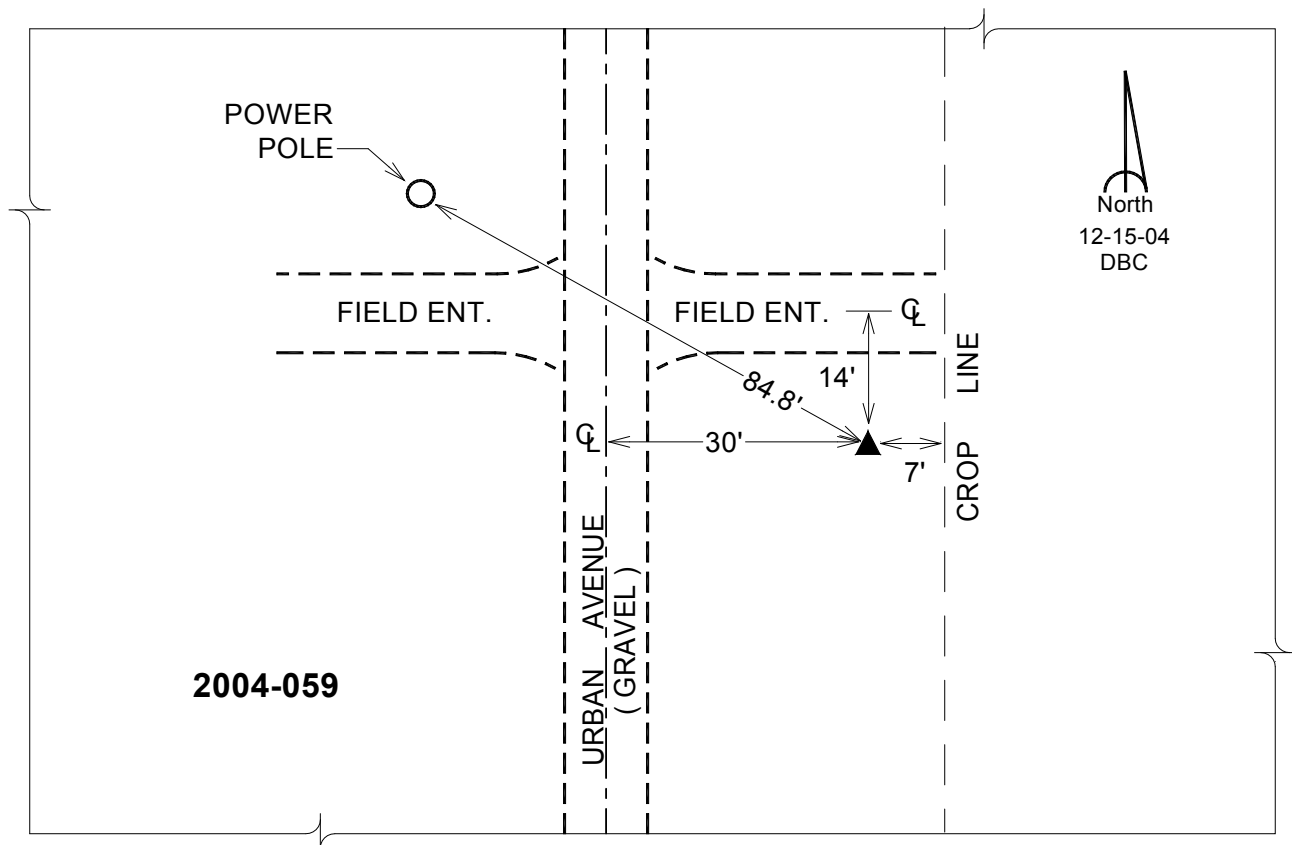
Designation: 2004-059 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°12'41.64821"** Longitude: **W93°33'42.04190"**
NAVD 88 Ortho Height: **1251.950sft** Ellip. Ht: **1155.485sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3904594.161sft** Easting: **4904806.562sft**
Mapping Angle: **-0°02'30"** Combination Scale Factor: **0.99993527**

IaRCS Zone 2 Northing: **9817415.732sft** Easting: **12283598.454sft**
Mapping Angle: **-00° 33' 19"** Combination Scale Factor: **0.999987977**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **60**

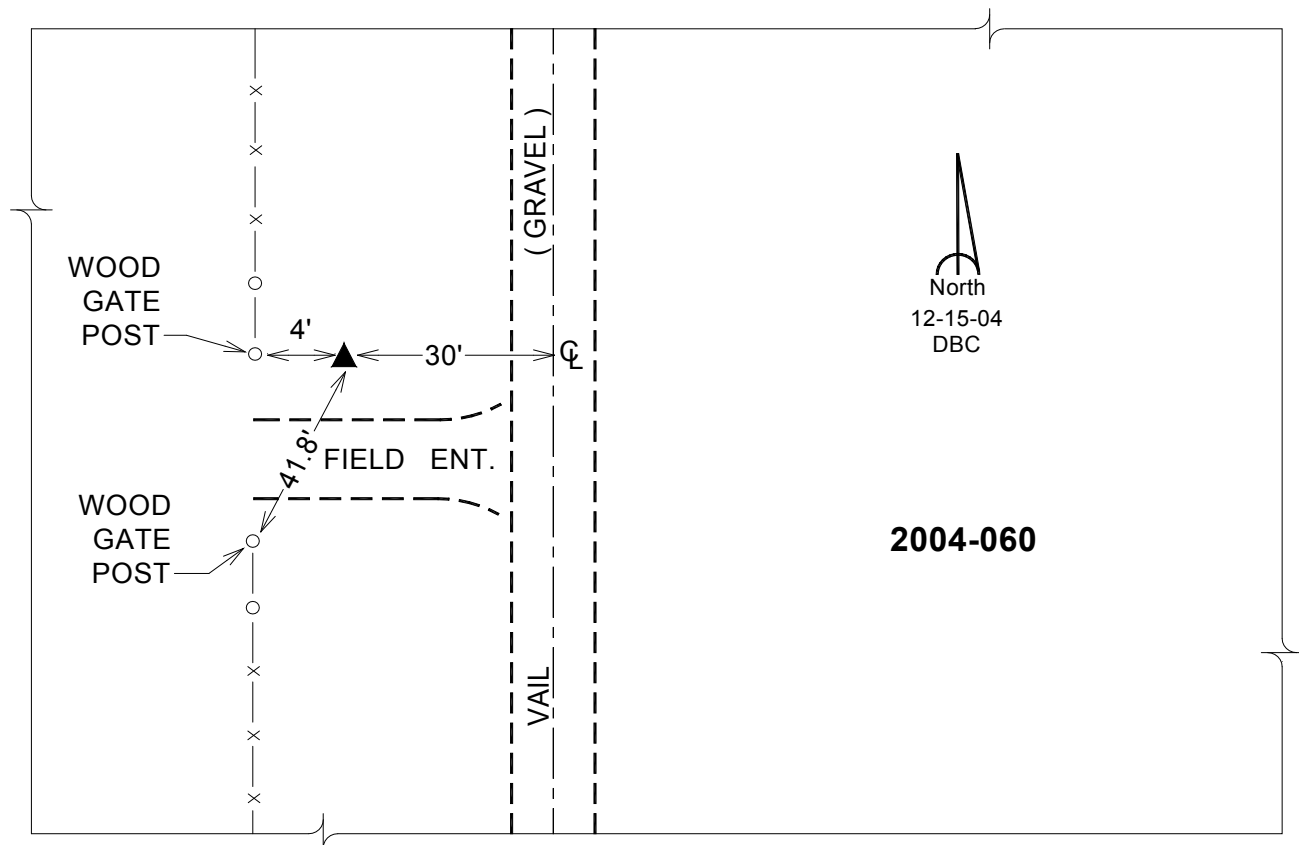
Designation: 2004-060 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°10'30.20547"** Longitude: **W93°33'25.47236"**
NAVD 88 Ortho Height: **1253.400sft** Ellip. Ht: **1157.277sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3891285.290sft** Easting: **4906024.643sft**
Mapping Angle: **-0°02'19"** Combination Scale Factor: **0.999929334**

laRCS Zone 2 Northing: **9804095.738sft** Easting: **12284697.278sft**
Mapping Angle: **-00° 33' 08"** Combination Scale Factor: **0.999987596**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **61**

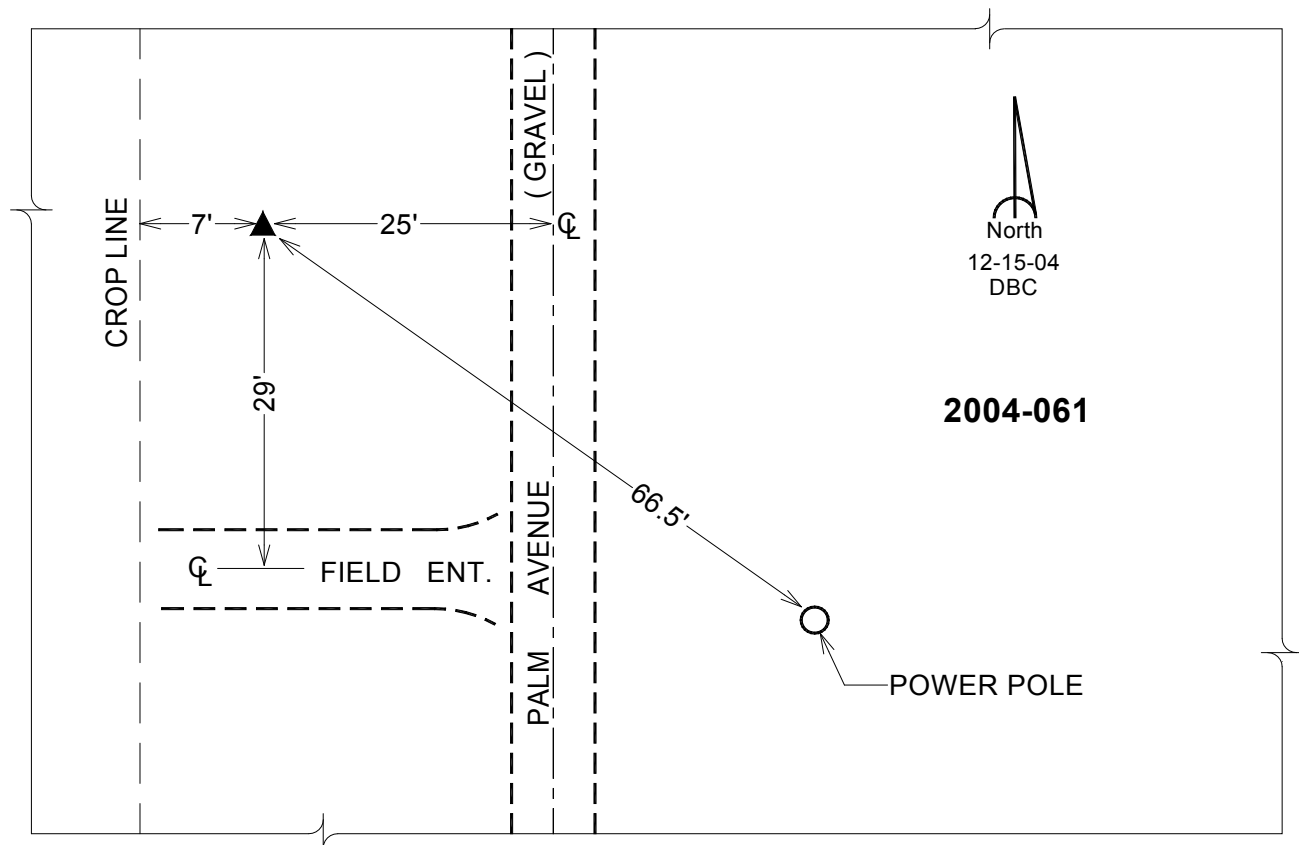
Designation: 2004-061 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°10'05.20915"** Longitude: **W93°40'32.41289"**
NAVD 88 Ortho Height: **1240.750sft** Ellip. Ht: **1143.953sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3888798.092sft** Easting: **4874383.422sft**
Mapping Angle: **-0°07'09"** Combination Scale Factor: **0.999928903**

laRCS Zone 2 Northing: **9801892.268sft** Easting: **12253033.157sft**
Mapping Angle: **-00° 38' 00"** Combination Scale Factor: **0.999988223**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **62**

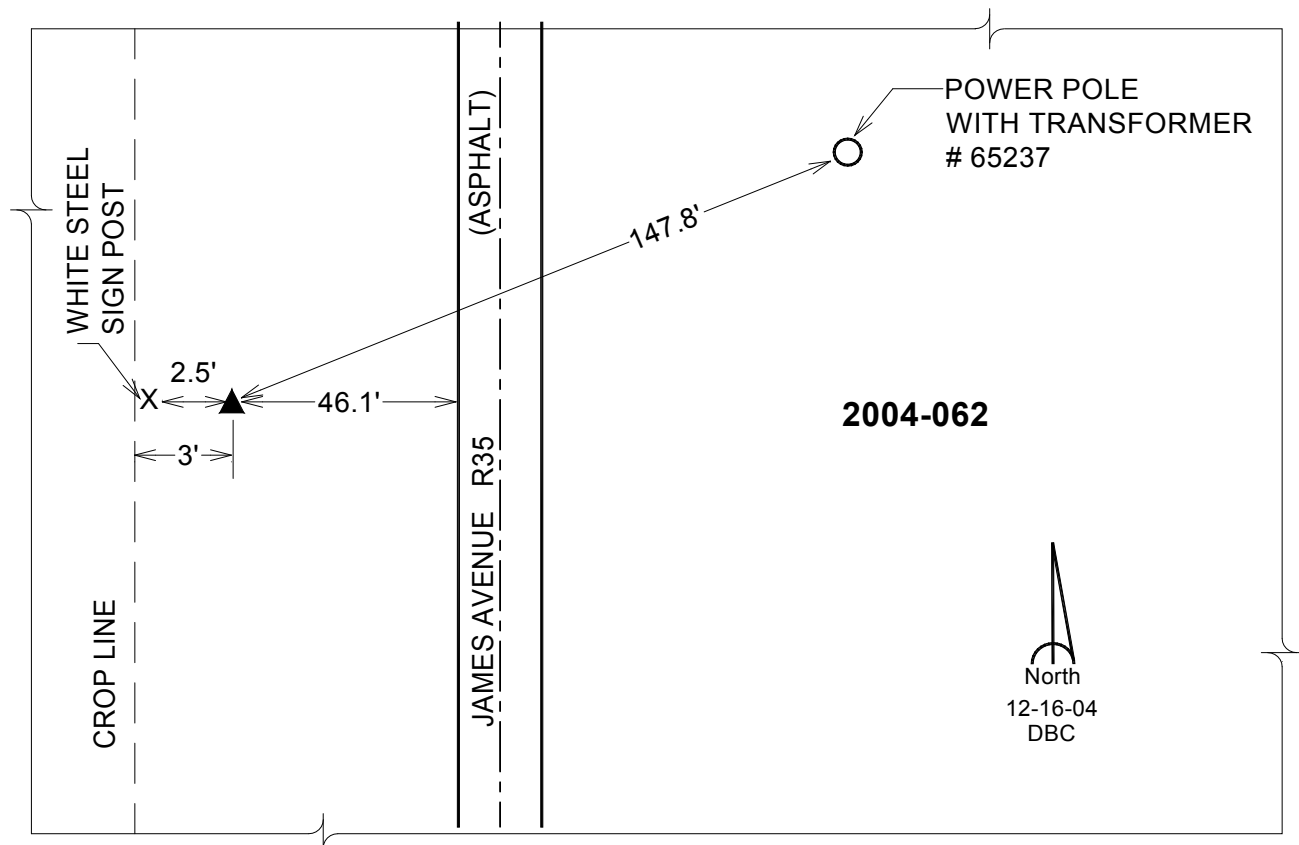
Designation: 2004-062 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°10'20.50060"** Longitude: **W93°47'35.51065"**
NAVD 88 Ortho Height: **1221.560sft** Ellip. Ht: **1124.750sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3890433.215sft** Easting: **4843034.149sft**
Mapping Angle: **-0°11'55"** Combination Scale Factor: **0.99993047**

IaRCS Zone 2 Northing: **9803808.989sft** Easting: **12221697.978sft**
Mapping Angle: **-00° 42' 49"** Combination Scale Factor: **0.999989147**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **63**

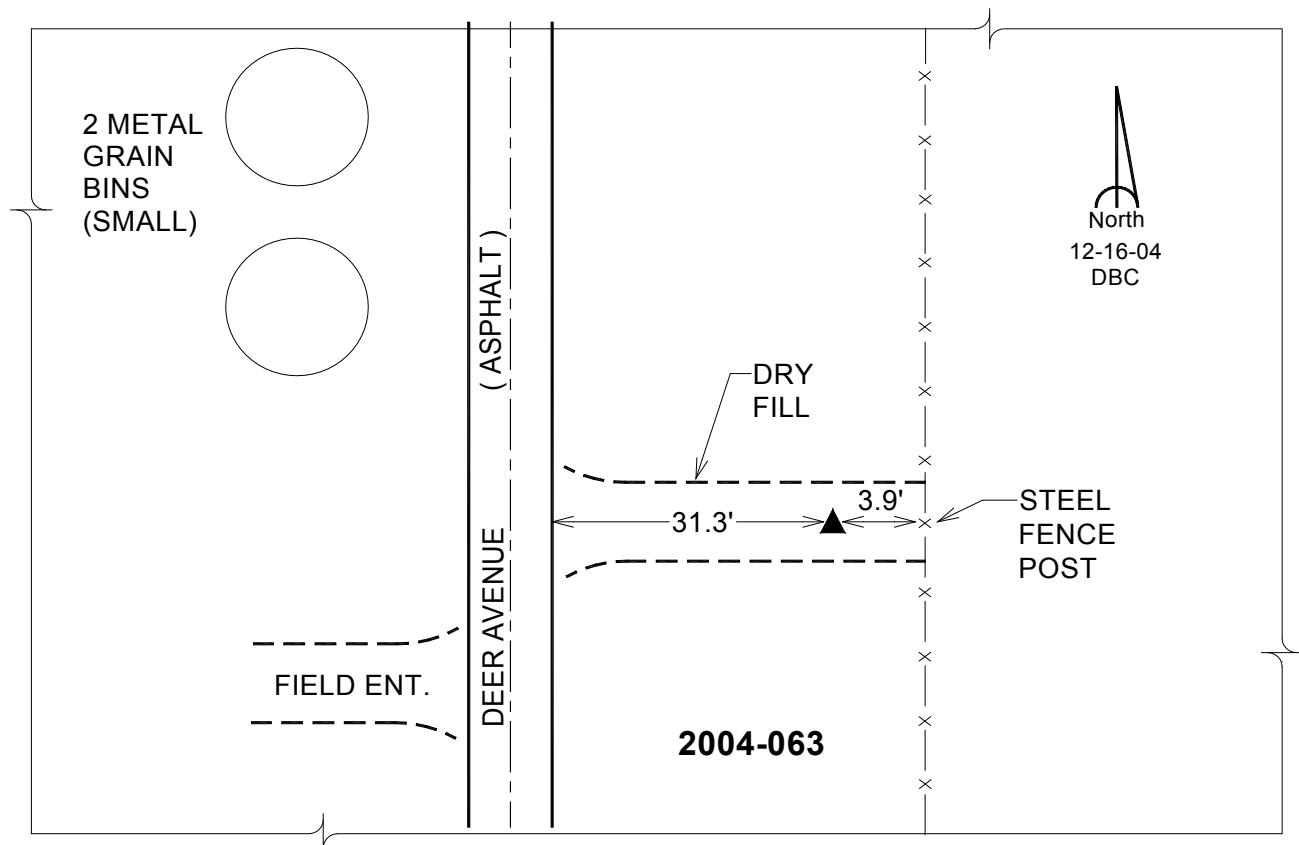
Designation: 2004-063 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°10'17.76228"** Longitude: **W93°54'39.31127"**
NAVD 88 Ortho Height: **1243.030sft** Ellip. Ht: **1146.806sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3890286.760sft** Easting: **4811628.379sft**
Mapping Angle: **-0°16'43"** Combination Scale Factor: **0.999929301**

IaRCS Zone 2 Northing: **9803945.019sft** Easting: **12190290.311sft**
Mapping Angle: **-00° 47' 39"** Combination Scale Factor: **0.999988090**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **64**

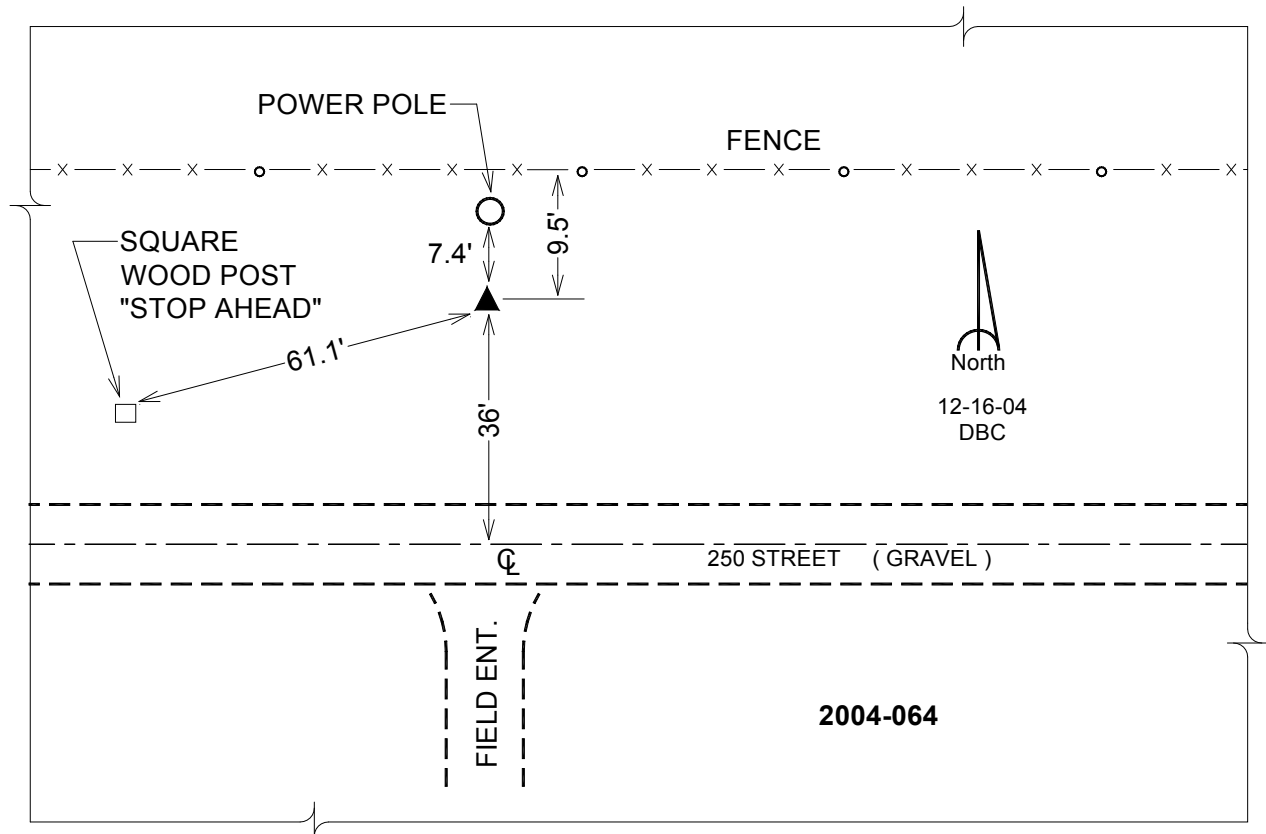
Designation: 2004-064 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°07'34.87880"** Longitude: **W93°54'29.65633"**
NAVD 88 Ortho Height: **1261.930sft** Ellip. Ht: **1165.543sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3873792.473sft** Easting: **4812264.200sft**
Mapping Angle: **-0°16'36"** Combination Scale Factor: **0.999921771**

laRCS Zone 2 Northing: **9787444.648sft** Easting: **12190777.678sft**
Mapping Angle: **-00° 47' 33"** Combination Scale Factor: **0.999987435**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **65**

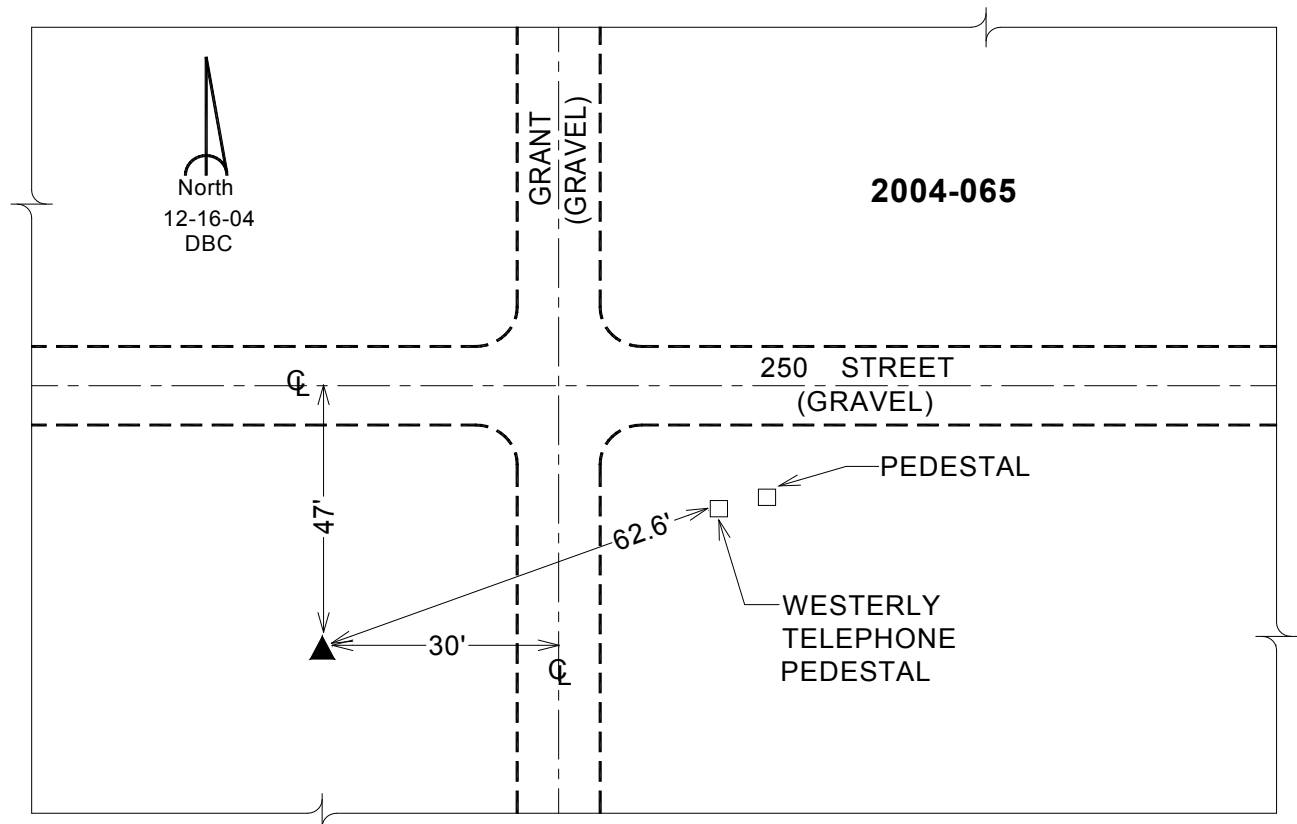
Designation: 2004-065 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°07'34.47448"** Longitude: **W93°51'06.84302"**
NAVD 88 Ortho Height: **1213.660sft** Ellip. Ht: **1116.981sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3873683.922sft** Easting: **4827304.031sft**
Mapping Angle: **-0°14'19"** Combination Scale Factor: **0.999924072**

laRCS Zone 2 Northing: **9787200.766sft** Easting: **12205816.914sft**
Mapping Angle: **-00° 45' 14"** Combination Scale Factor: **0.999989762**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **66**

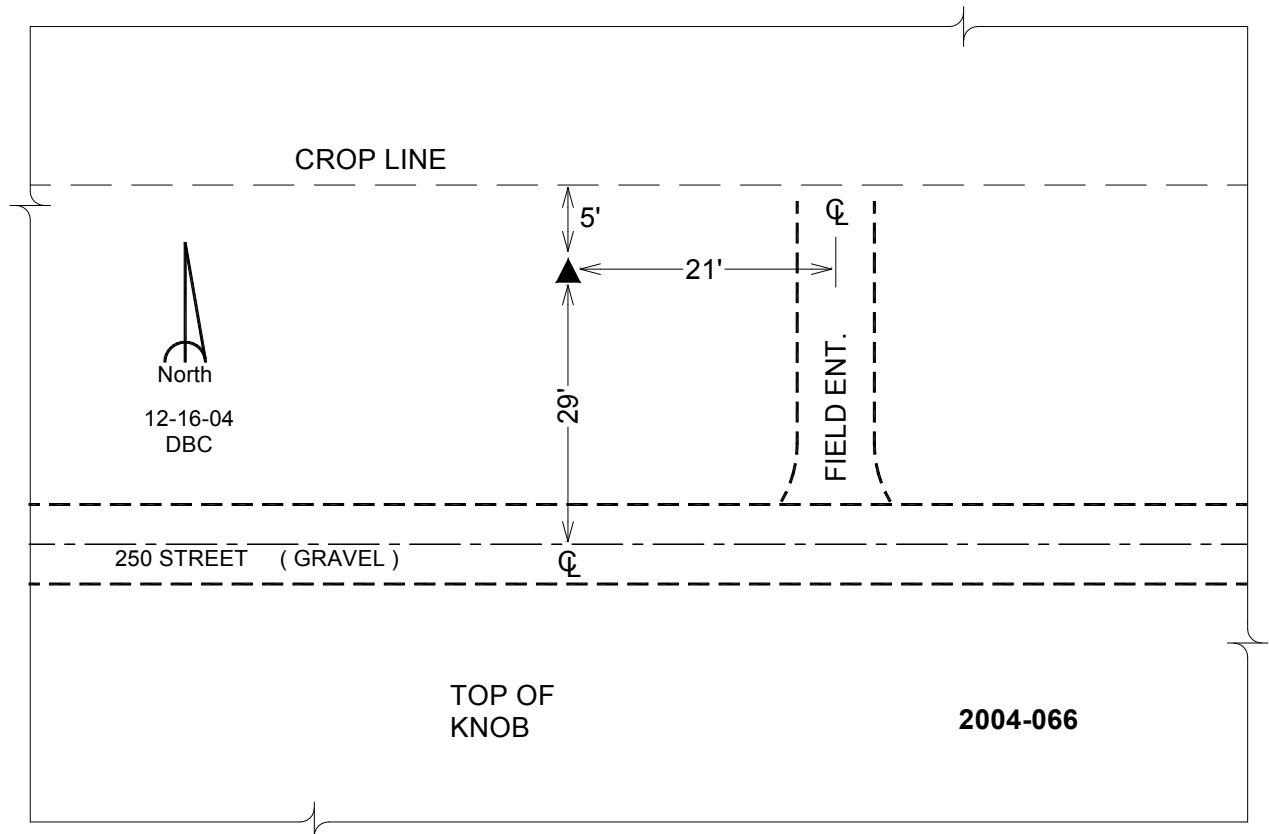
Designation: 2004-066 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°07'36.40816"** Longitude: **W93°46'51.89000"**
NAVD 88 Ortho Height: **1287.060sft** Ellip. Ht: **1190.236sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3873808.911sft** Easting: **4846211.293sft**
Mapping Angle: **-0°11'26"** Combination Scale Factor: **0.999920652**

IaRCS Zone 2 Northing: **9787155.767sft** Easting: **12224725.781sft**
Mapping Angle: **-00° 42' 19"** Combination Scale Factor: **0.999986248**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **67**

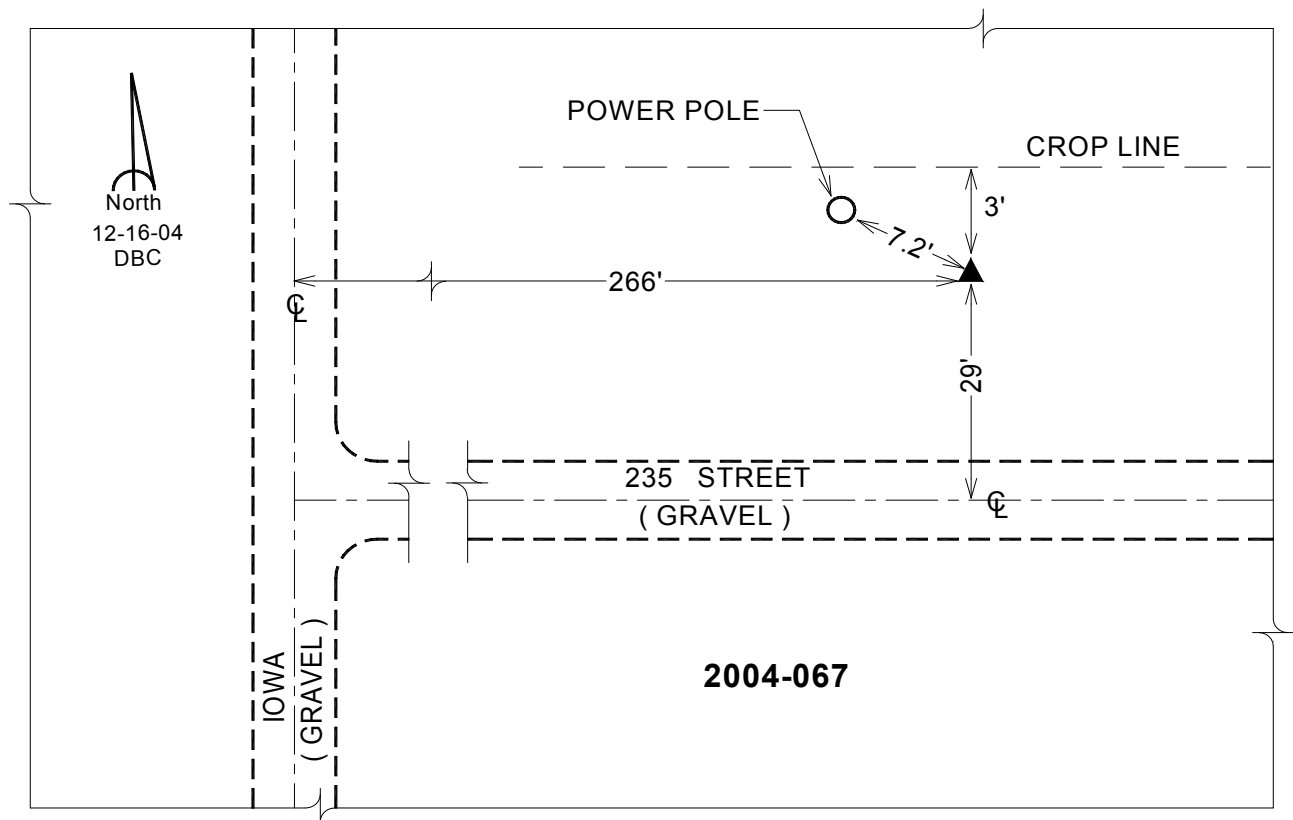
Designation: 2004-067 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°06'18.43550"** Longitude: **W93°48'42.55230"**
NAVD 88 Ortho Height: **1219.350sft** Ellip. Ht: **1122.577sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3865943.544sft** Easting: **4837975.829sft**
Mapping Angle: **-0°12'41"** Combination Scale Factor: **0.999920922**

IaRCS Zone 2 Northing: **9779364.211sft** Easting: **12216419.395sft**
Mapping Angle: **-00° 43' 35"** Combination Scale Factor: **0.999989821**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **68**

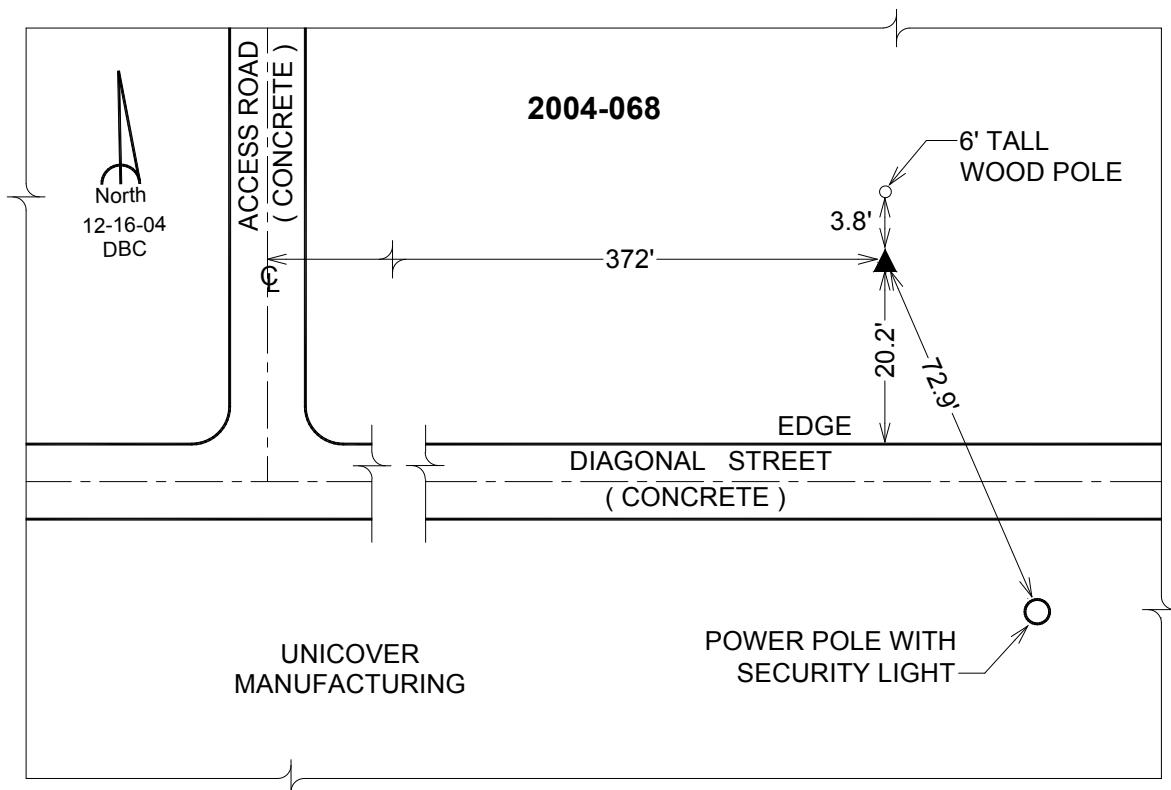
Designation: 2004-068 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°06'04.72731"** Longitude: **W93°47'10.25228"**
NAVD 88 Ortho Height: **1207.634sft** Ellip. Ht: **1110.854sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3864531.479sft** Easting: **4844818.186sft**
Mapping Angle: **-0°11'38"** Combination Scale Factor: **0.999920976**

IaRCS Zone 2 Northing: **9777890.601sft** Easting: **12223249.257sft**
Mapping Angle: **-00° 42' 32"** Combination Scale Factor: **0.999990455**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **69**

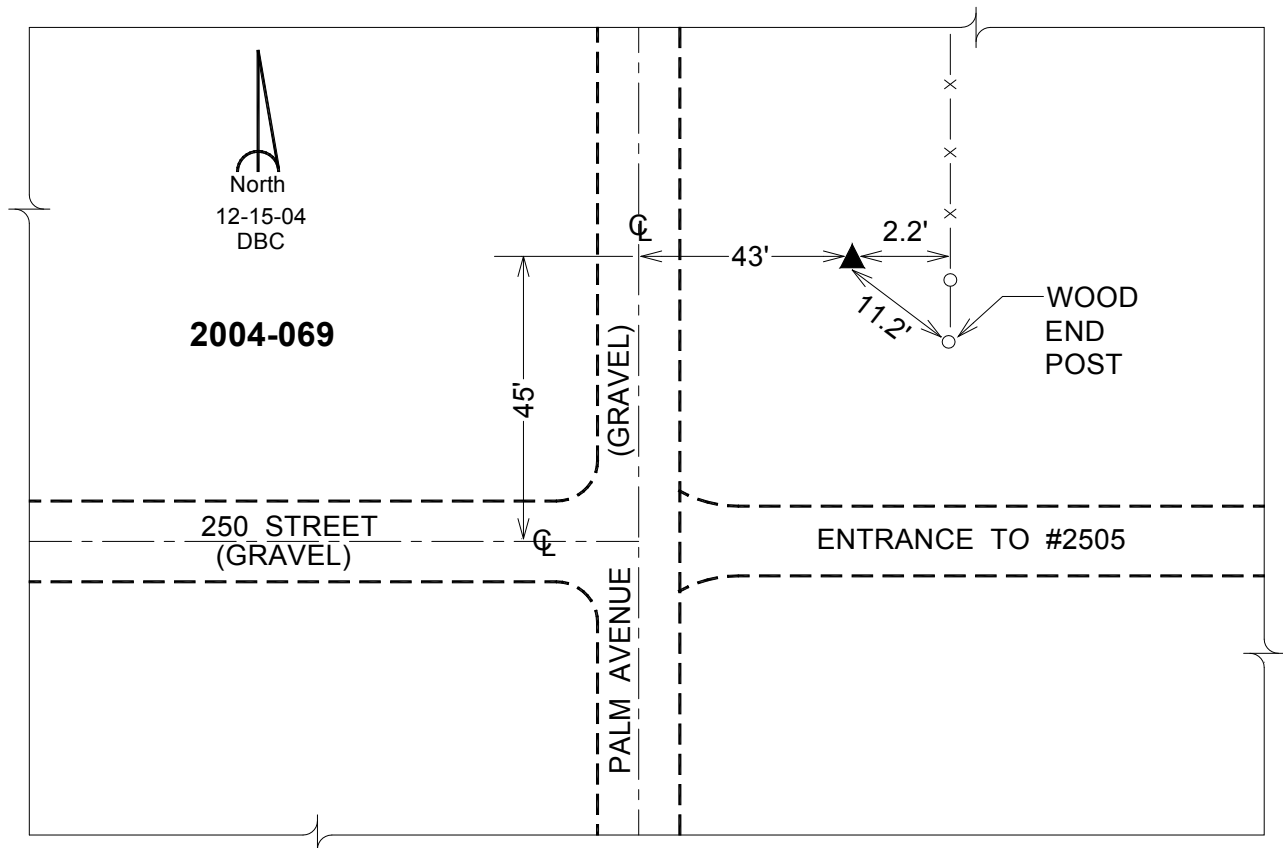
Designation: 2004-069 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°07'36.47300"** Longitude: **W93°40'33.34033"**
NAVD 88 Ortho Height: **1261.530sft** Ellip. Ht: **1164.891sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3873739.599sft** Easting: **4874283.355sft**
Mapping Angle: **-0°07'09"** Combination Scale Factor: **0.999921864**

laRCS Zone 2 Northing: **9786834.335sft** Easting: **12252797.935sft**
Mapping Angle: **-00° 38' 00"** Combination Scale Factor: **0.999987461**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **70**

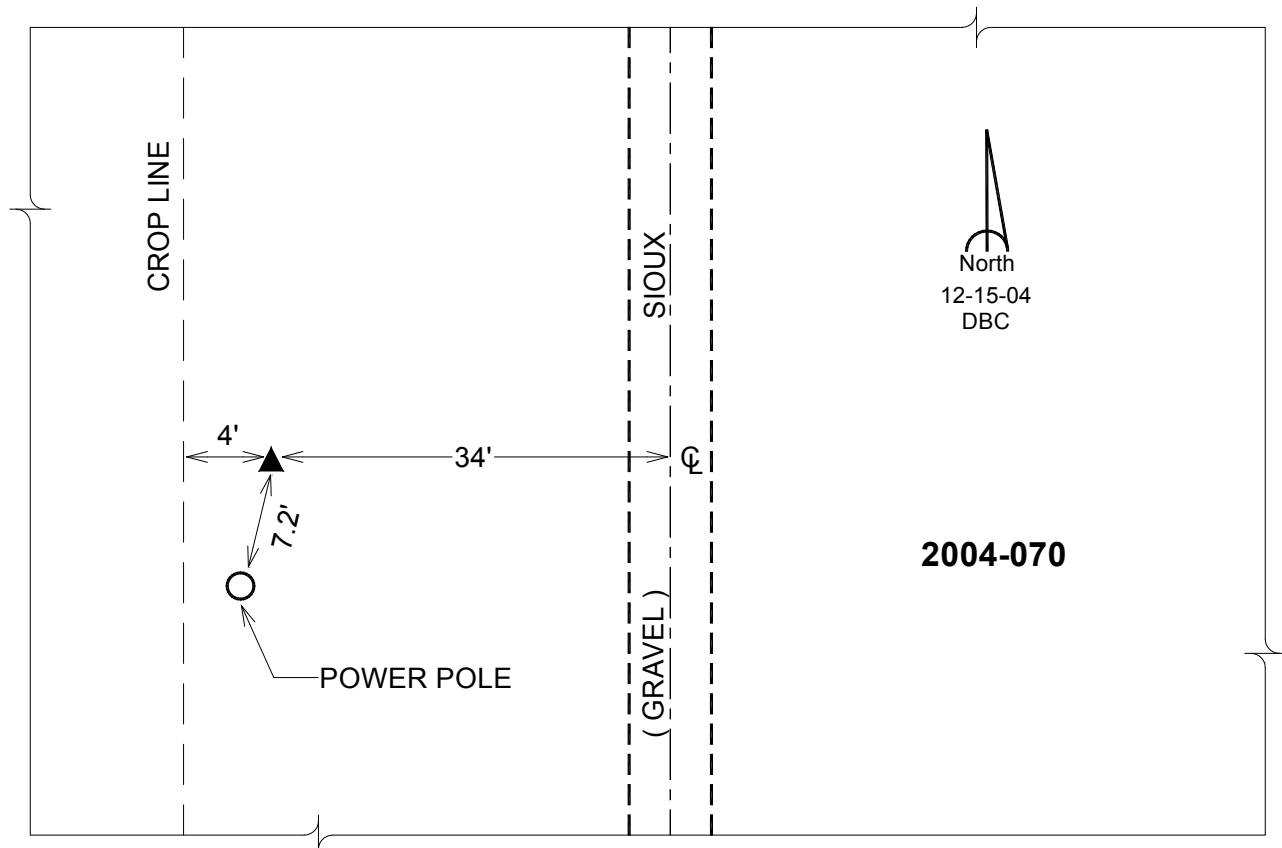
Designation: 2004-070 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°08'13.68982"** Longitude: **W93°36'24.02373"**
NAVD 88 Ortho Height: **1219.710sft** Ellip. Ht: **1123.415sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3877476.661sft** Easting: **4892776.678sft**
Mapping Angle: **-0°04'20"** Combination Scale Factor: **0.999925305**

laRCS Zone 2 Northing: **9790405.581sft** Easting: **12271325.242sft**
Mapping Angle: **-00° 35' 10"** Combination Scale Factor: **0.999989338**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **71**

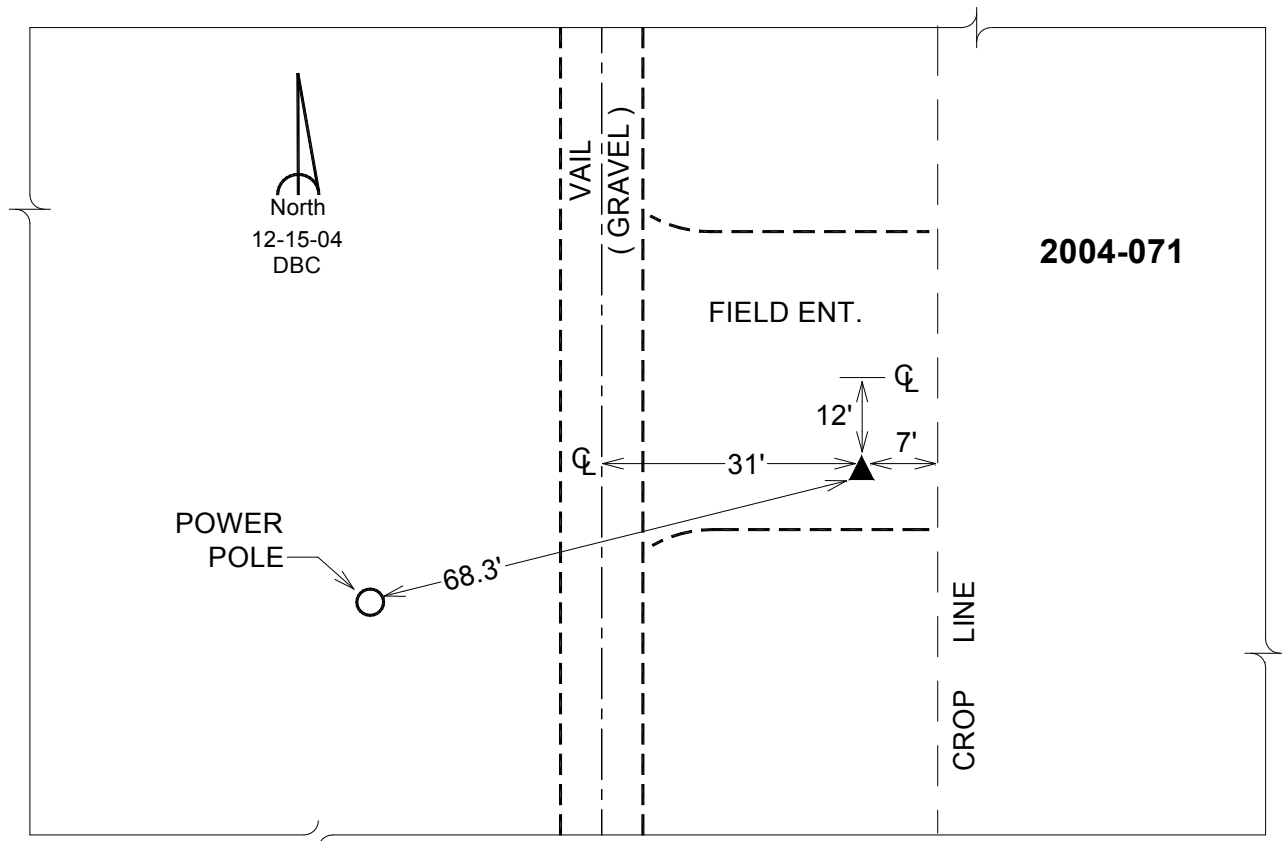
Designation: 2004-071 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°07'55.78360"** Longitude: **W93°33'25.03866"**
NAVD 88 Ortho Height: **1222.170sft** Ellip. Ht: **1126.472sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3875650.925sft** Easting: **4906046.247sft**
Mapping Angle: **-0°02'19"** Combination Scale Factor: **0.999924451**

laRCS Zone 2 Northing: **9788460.842sft** Easting: **12284578.768sft**
Mapping Angle: **-00° 33' 07"** Combination Scale Factor: **0.999989240**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **72**

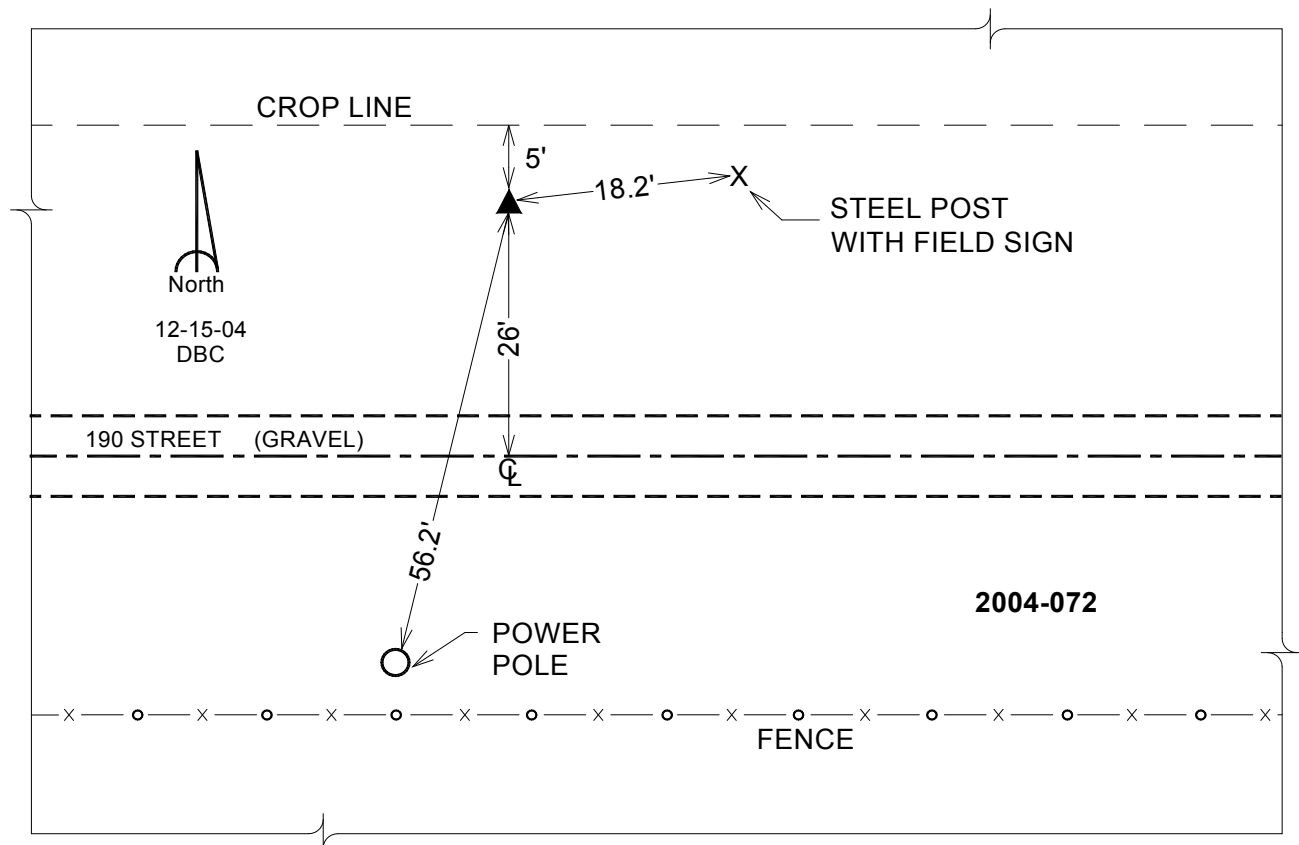
Designation: 2004-072 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°04'03.49533"** Longitude: **W93°33'17.31269"**
NAVD 88 Ortho Height: **1224.110sft** Ellip. Ht: **1129.261sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3852133.067sft** Easting: **4906603.886sft**
Mapping Angle: **-0°02'14"** Combination Scale Factor: **0.999915823**

laRCS Zone 2 Northing: **9764937.288sft** Easting: **12284925.660sft**
Mapping Angle: **-00° 33' 02"** Combination Scale Factor: **0.999990413**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **73**

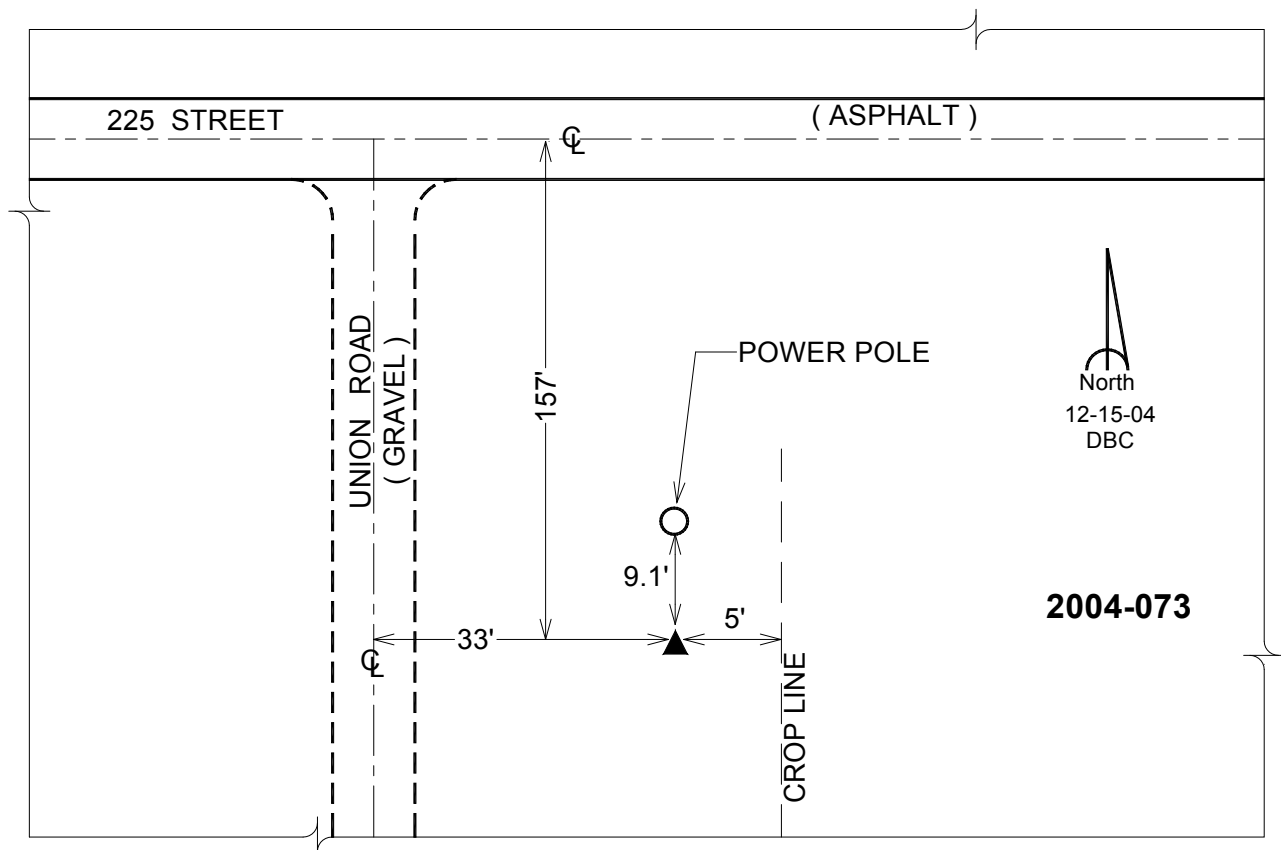
Designation: 2004-073 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°05'24.04769"** Longitude: **W93°34'36.24081"**
NAVD 88 Ortho Height: **1210.370sft** Ellip. Ht: **1114.879sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3860292.906sft** Easting: **4900752.617sft**
Mapping Angle: **-0°03'07"** Combination Scale Factor: **0.999919311**

IaRCS Zone 2 Northing: **9773149.839sft** Easting: **12279147.336sft**
Mapping Angle: **-00° 33' 56"** Combination Scale Factor: **0.999990506**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **74**

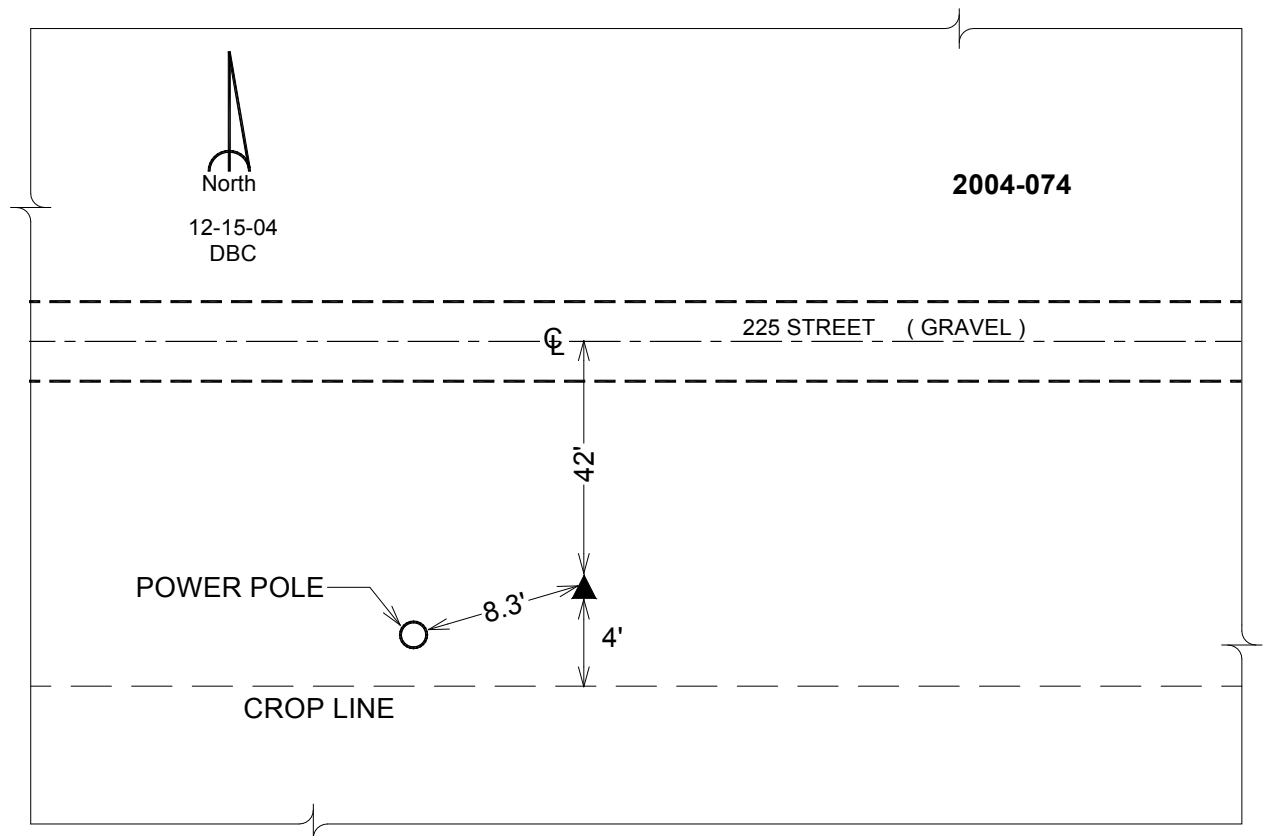
Designation: 2004-074 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°05'25.22647"** Longitude: **W93°38'04.47377"**
NAVD 88 Ortho Height: **1216.090sft** Ellip. Ht: **1119.943sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3860431.558sft** Easting: **4885301.695sft**
Mapping Angle: **-0°05'28"** Combination Scale Factor: **0.999919112**

IaRCS Zone 2 Northing: **9773427.051sft** Easting: **12263697.175sft**
Mapping Angle: **-00° 36' 19"** Combination Scale Factor: **0.999990256**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **75**

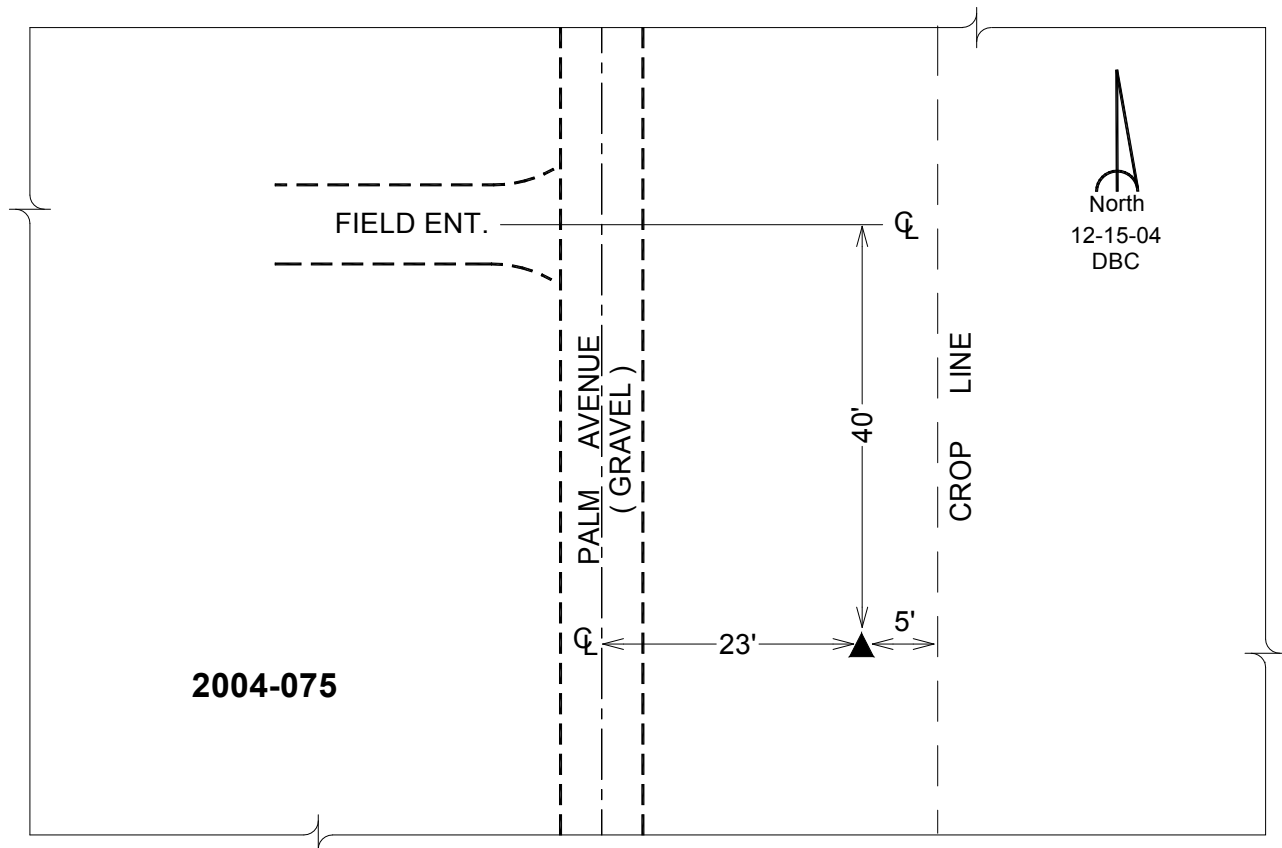
Designation: 2004-075 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°05'05.52103"** Longitude: **W93°40'31.76728"**
NAVD 88 Ortho Height: **1237.520sft** Ellip. Ht: **1141.127sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3858456.582sft** Easting: **4874368.283sft**
Mapping Angle: **-0°07'08"** Combination Scale Factor: **0.999917401**

laRCS Zone 2 Northing: **9771550.117sft** Easting: **12252745.697sft**
Mapping Angle: **-00° 37' 59"** Combination Scale Factor: **0.999989373**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **76**

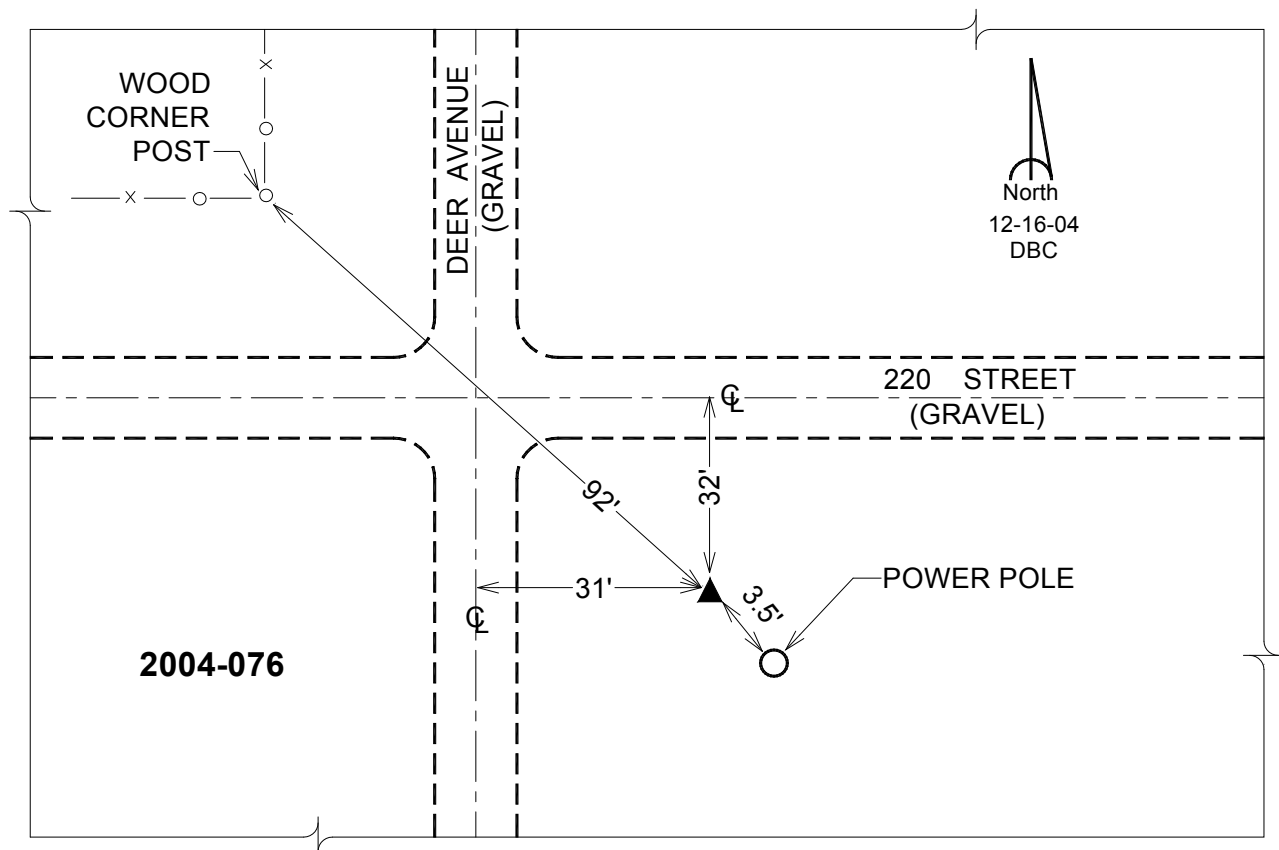
Designation: 2004-076 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°04'57.23603"** Longitude: **W93°54'39.29679"**
NAVD 88 Ortho Height: **1194.810sft** Ellip. Ht: **1098.352sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3857835.929sft** Easting: **4811471.718sft**
Mapping Angle: **-0°16'43"** Combination Scale Factor: **0.99991915**

IaRCS Zone 2 Northing: **9771494.779sft** Easting: **12189841.544sft**
Mapping Angle: **-00° 47' 39"** Combination Scale Factor: **0.999991479**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **77**

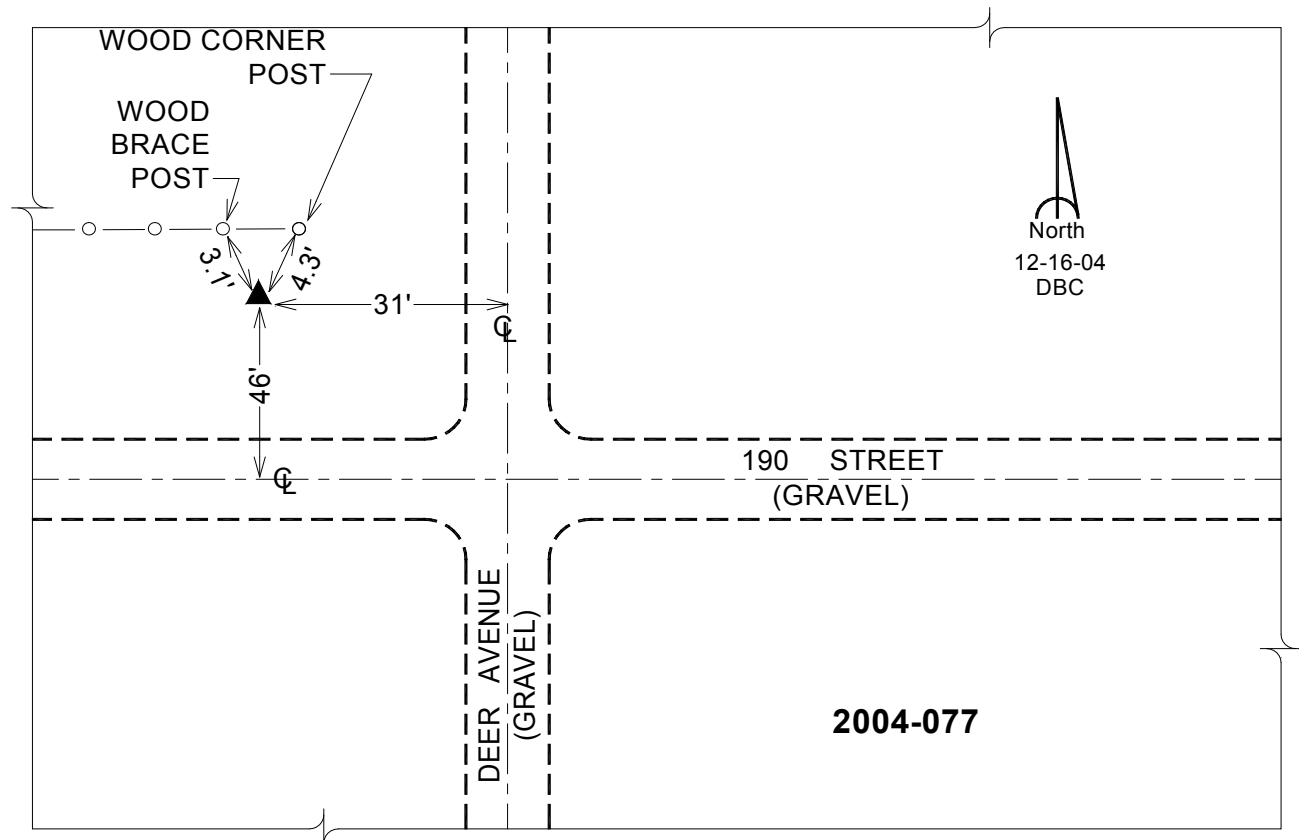
Designation: 2004-077 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'18.07589"** Longitude: **W93°54'40.65481"**
NAVD 88 Ortho Height: **1182.049sft** Ellip. Ht: **1085.579sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3841723.004sft** Easting: **4811292.546sft**
Mapping Angle: **-0°16'44"** Combination Scale Factor: **0.999914472**

laRCS Zone 2 Northing: **9755382.897sft** Easting: **12189517.325sft**
Mapping Angle: **-00° 47' 40"** Combination Scale Factor: **0.999993514**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **78**

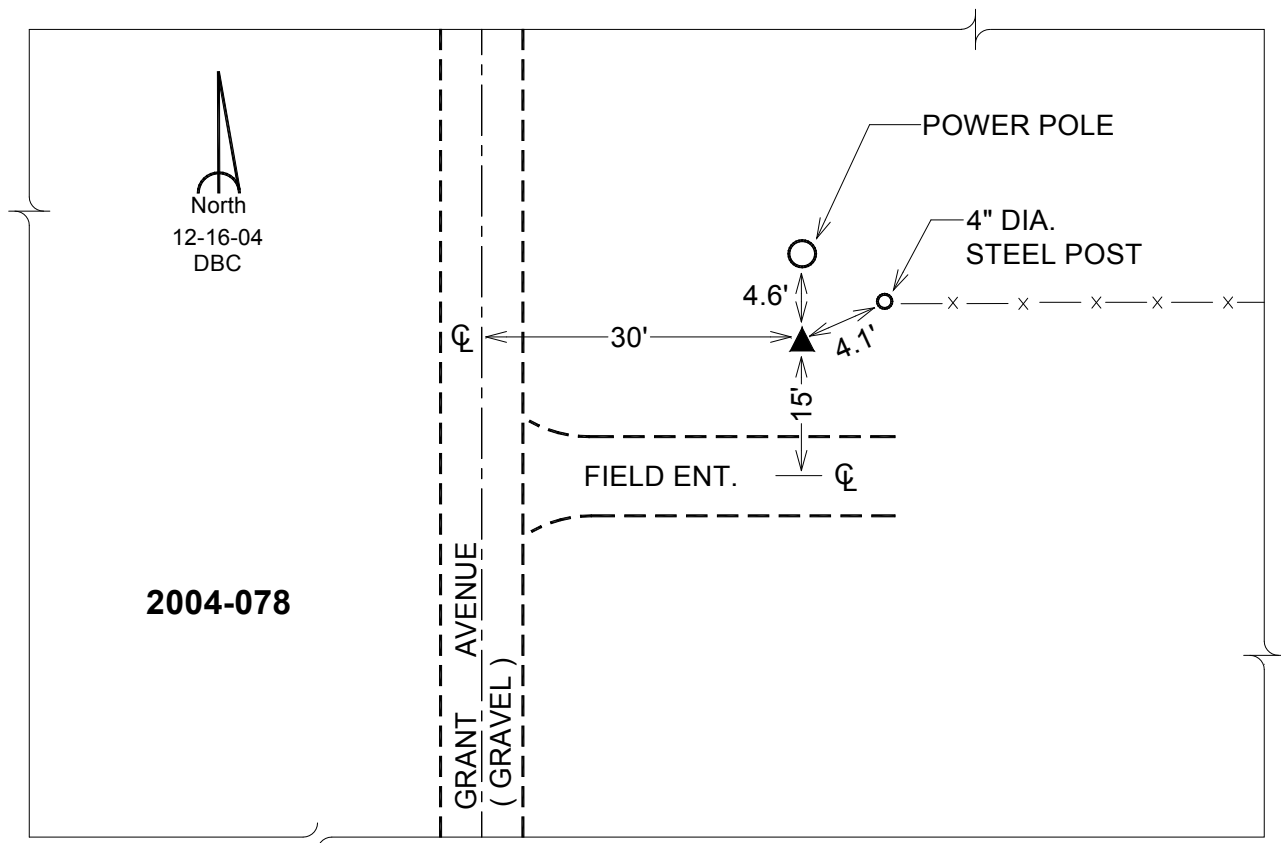
Designation: 2004-078 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'44.25065"** Longitude: **W93°51'06.63054"**
NAVD 88 Ortho Height: **1200.310sft** Ellip. Ht: **1103.718sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3844301.200sft** Easting: **4827197.499sft**
Mapping Angle: **-0°14'18"** Combination Scale Factor: **0.999914435**

laRCS Zone 2 Northing: **9757818.075sft** Easting: **12205446.086sft**
Mapping Angle: **-00° 45' 14"** Combination Scale Factor: **0.999992370**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **79**

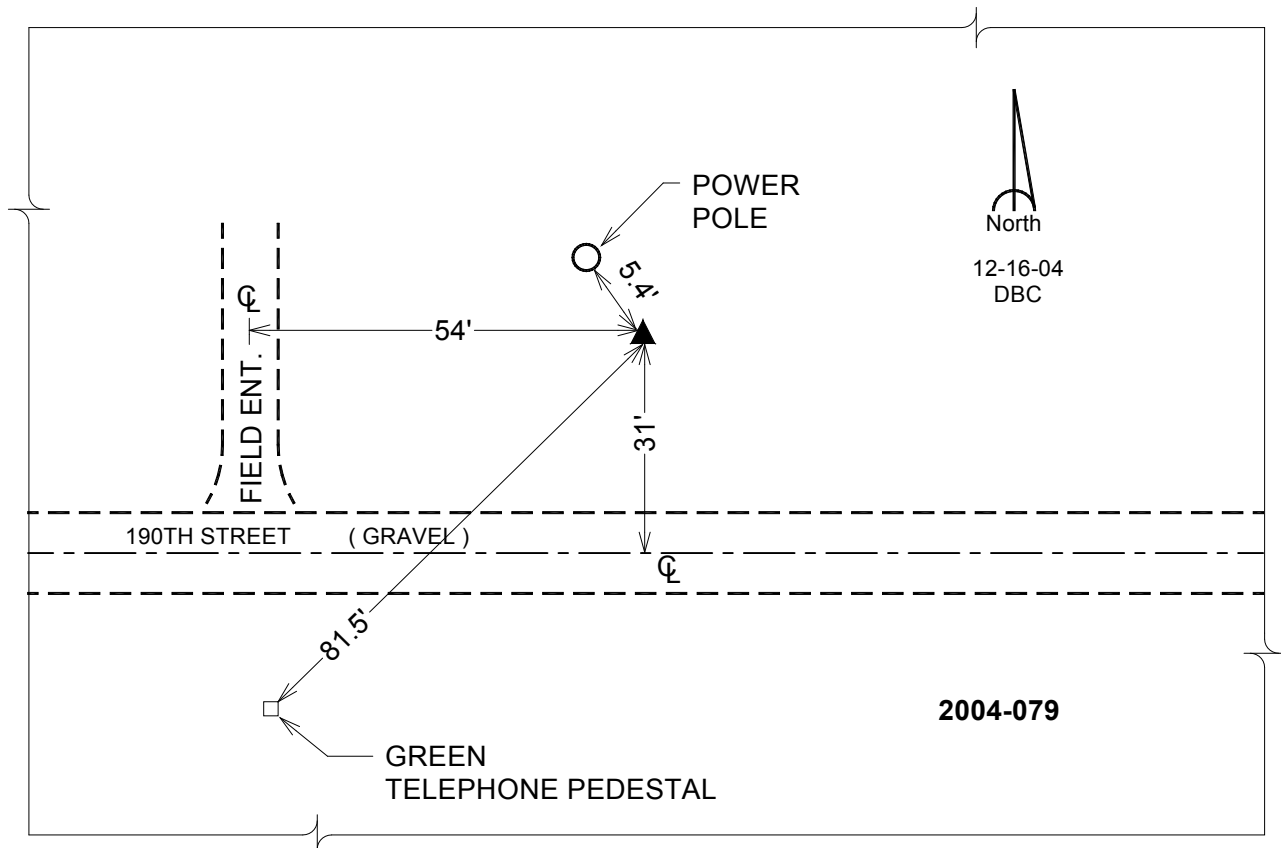
Designation: 2004-079 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'18.73800"** Longitude: **W93°47'26.68836"**
NAVD 88 Ortho Height: **1203.788sft** Ellip. Ht: **1107.244sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3841656.222sft** Easting: **4843520.152sft**
Mapping Angle: **-0°11'49"** Combination Scale Factor: **0.999913459**

laRCS Zone 2 Northing: **9755026.231sft** Easting: **12221745.580sft**
Mapping Angle: **-00° 42' 43"** Combination Scale Factor: **0.999992469**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
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Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
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2015

Point Name: **80**

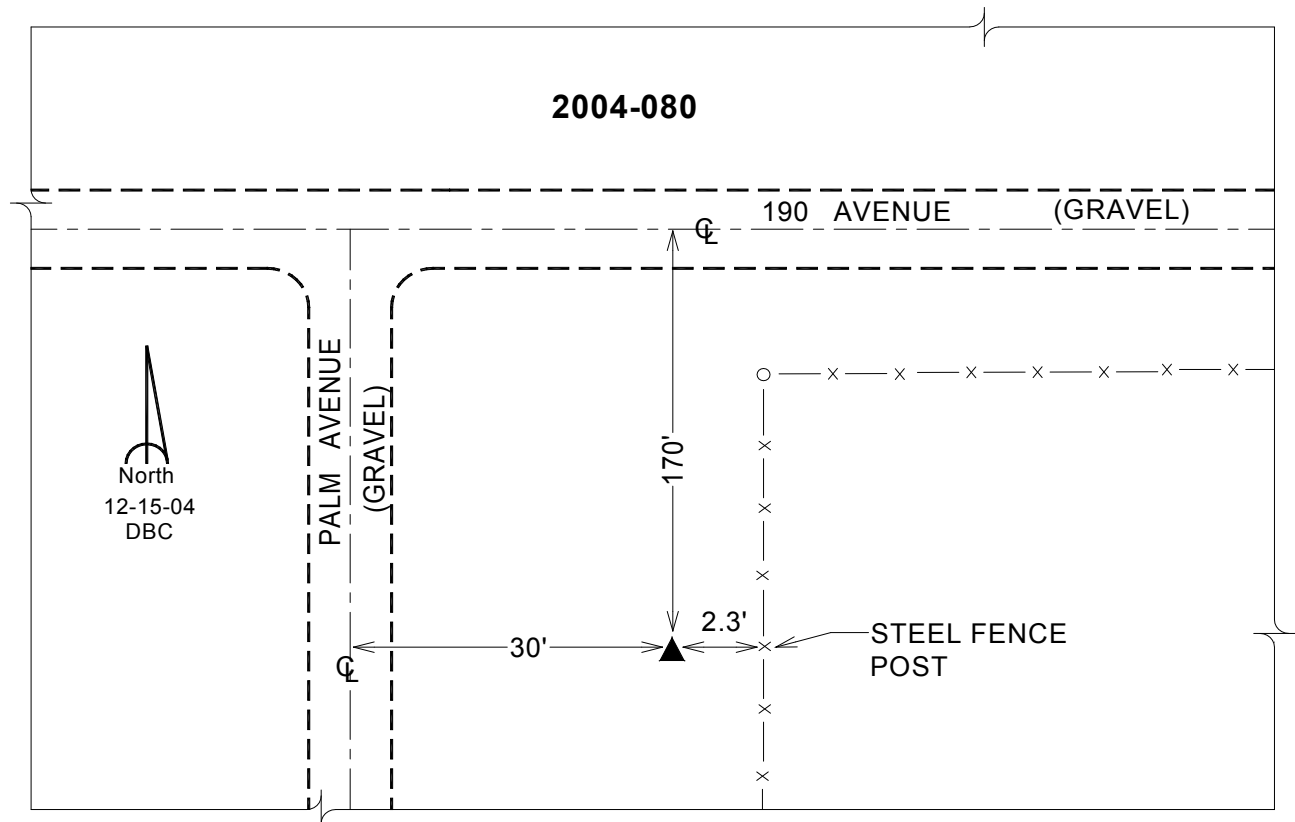
Designation: 2004-080 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'16.92351"** Longitude: **W93°40'30.54756"**
NAVD 88 Ortho Height: **1232.480sft** Ellip. Ht: **1136.509sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3841387.366sft** Easting: **4874423.430sft**
Mapping Angle: **-0°07'07"** Combination Scale Factor: **0.999912006**

IaRCS Zone 2 Northing: **9754479.801sft** Easting: **12252647.646sft**
Mapping Angle: **-00° 37' 59"** Combination Scale Factor: **0.999991088**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
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2015

Point Name: **81**

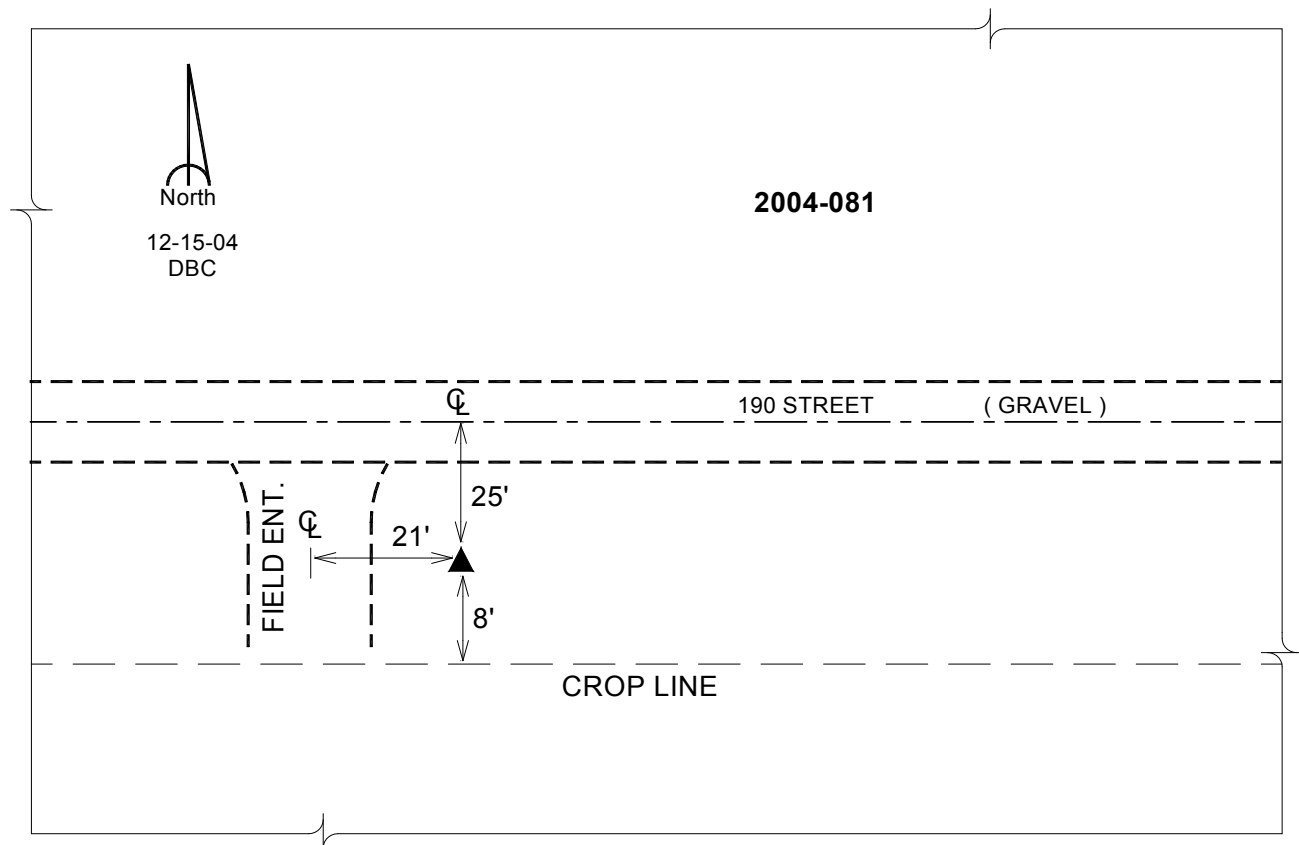
Designation: 2004-081 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'18.92052"** Longitude: **W93°36'51.34996"**
NAVD 88 Ortho Height: **1220.990sft** Ellip. Ht: **1125.666sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3841561.680sft** Easting: **4890702.037sft**
Mapping Angle: **-0°04'39"** Combination Scale Factor: **0.999912586**

laRCS Zone 2 Northing: **9754508.074sft** Easting: **12268928.452sft**
Mapping Angle: **-00° 35' 29"** Combination Scale Factor: **0.999991585**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **82**

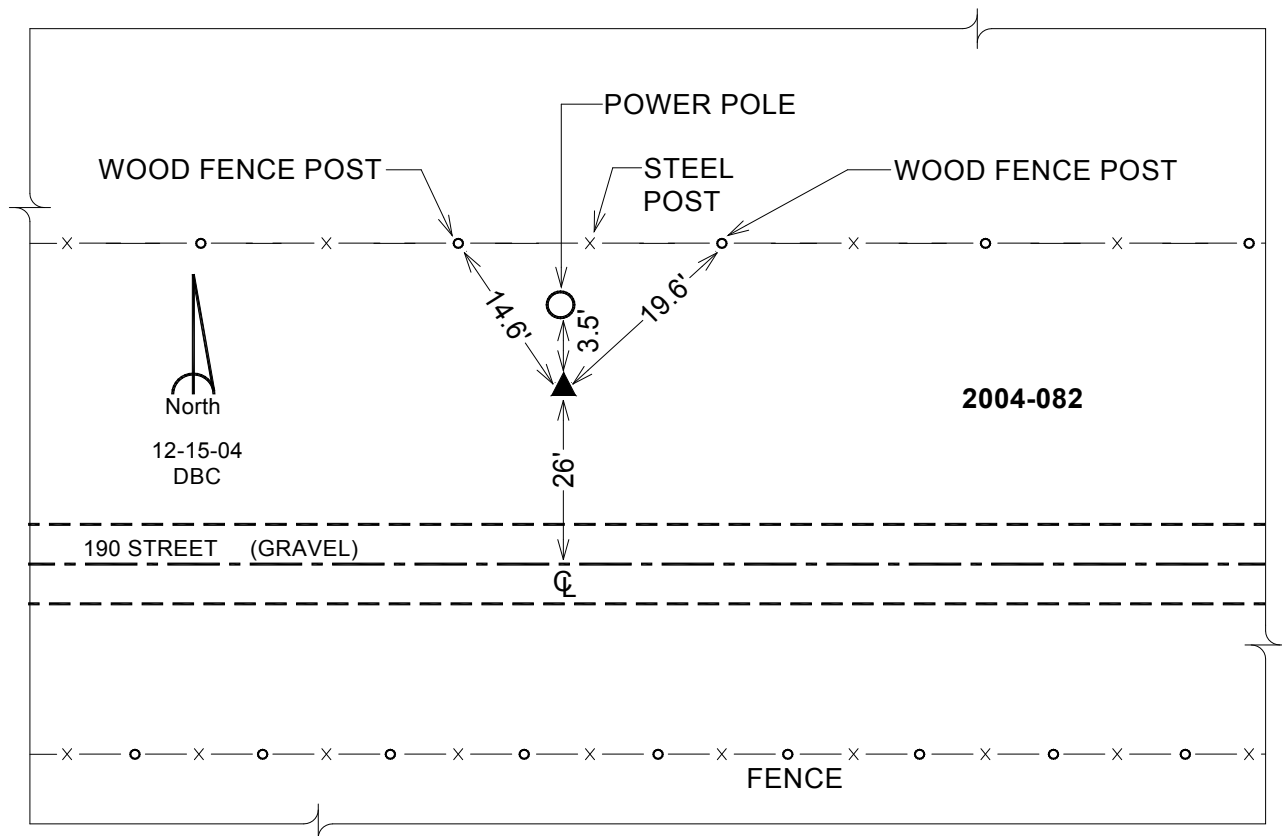
Designation: 2004-082 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N43°02'19.21418"** Longitude: **W93°33'10.07840"**
NAVD 88 Ortho Height: **1233.070sft** Ellip. Ht: **1138.698sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3841575.174sft** Easting: **4907134.278sft**
Mapping Angle: **-0°02'09"** Combination Scale Factor: **0.999911973**

IaRCS Zone 2 Northing: **9754374.252sft** Easting: **12285361.455sft**
Mapping Angle: **-00° 32' 57"** Combination Scale Factor: **0.999990958**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **83**

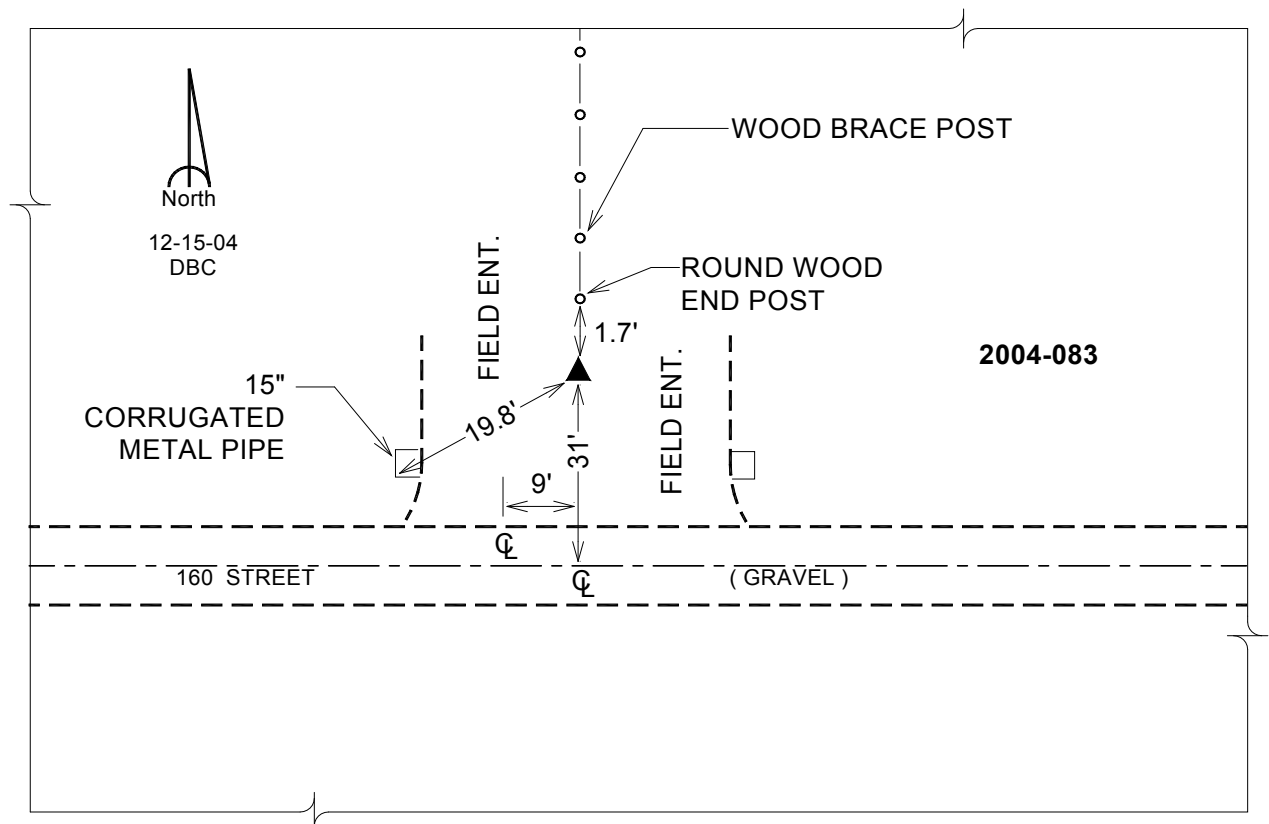
Designation: 2004-083 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°59'43.10243"** Longitude: **W93°33'43.08452"**
NAVD 88 Ortho Height: **1246.900sft** Ellip. Ht: **1153.104sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825772.059sft** Easting: **4904671.572sft**
Mapping Angle: **-0°02'31"** Combination Scale Factor: **0.999906675**

laRCS Zone 2 Northing: **9738592.539sft** Easting: **12282757.015sft**
Mapping Angle: **-00° 33' 20"** Combination Scale Factor: **0.999992235**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **84**

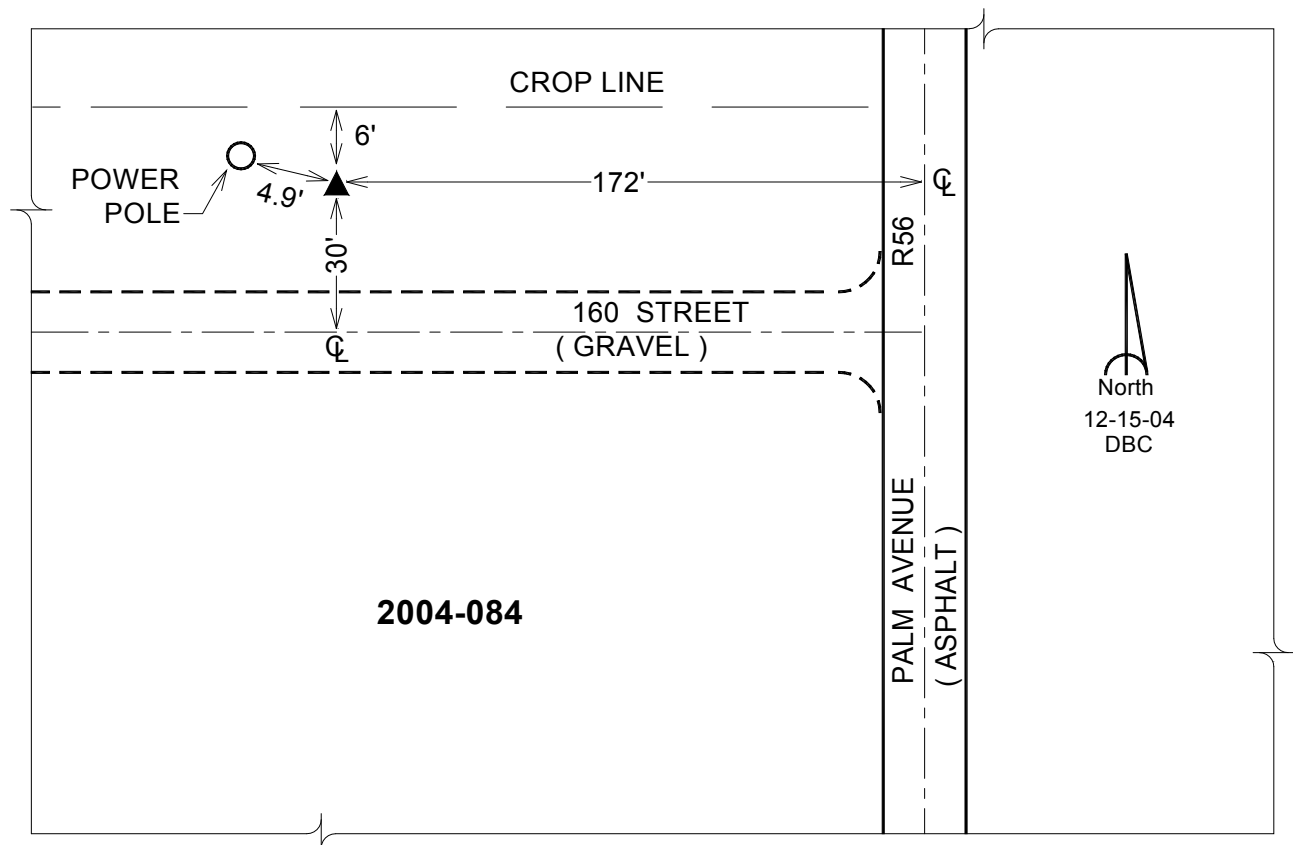
Designation: 2004-084 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°59'42.65909"** Longitude: **W93°40'33.29354"**
NAVD 88 Ortho Height: **1263.620sft** Ellip. Ht: **1168.188sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825770.065sft** Easting: **4874187.006sft**
Mapping Angle: **-0°07'09"** Combination Scale Factor: **0.999905943**

laRCS Zone 2 Northing: **9738863.963sft** Easting: **12252271.042sft**
Mapping Angle: **-00° 38' 00"** Combination Scale Factor: **0.999991520**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased is a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **85**

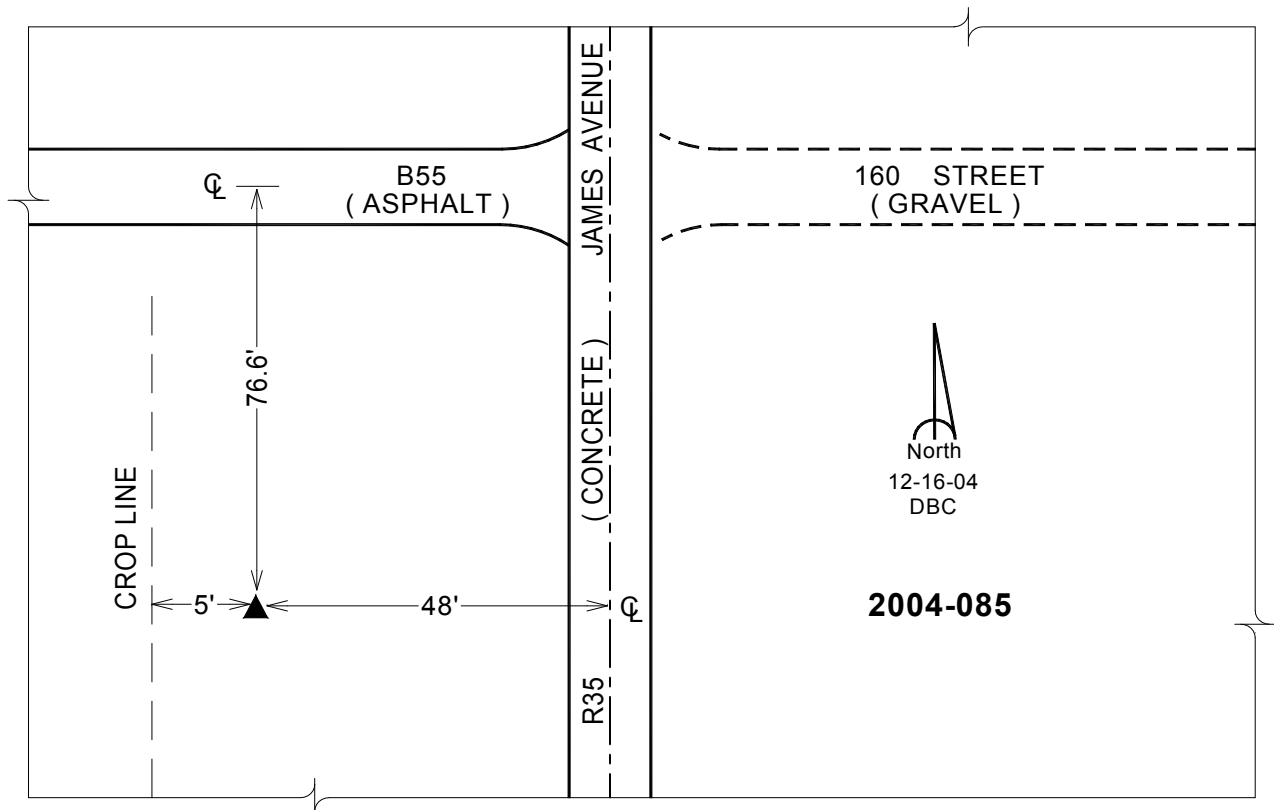
Designation: 2004-085 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°59'41.40543"** Longitude: **W93°47'35.91968"**
NAVD 88 Ortho Height: **1190.330sft** Ellip. Ht: **1094.049sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3825730.308sft** Easting: **4842779.348sft**
Mapping Angle: **-0°11'56"** Combination Scale Factor: **0.999909445**

IaRCS Zone 2 Northing: **9739106.304sft** Easting: **12220861.599sft**
Mapping Angle: **-00° 42' 50"** Combination Scale Factor: **0.999995088**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **86**

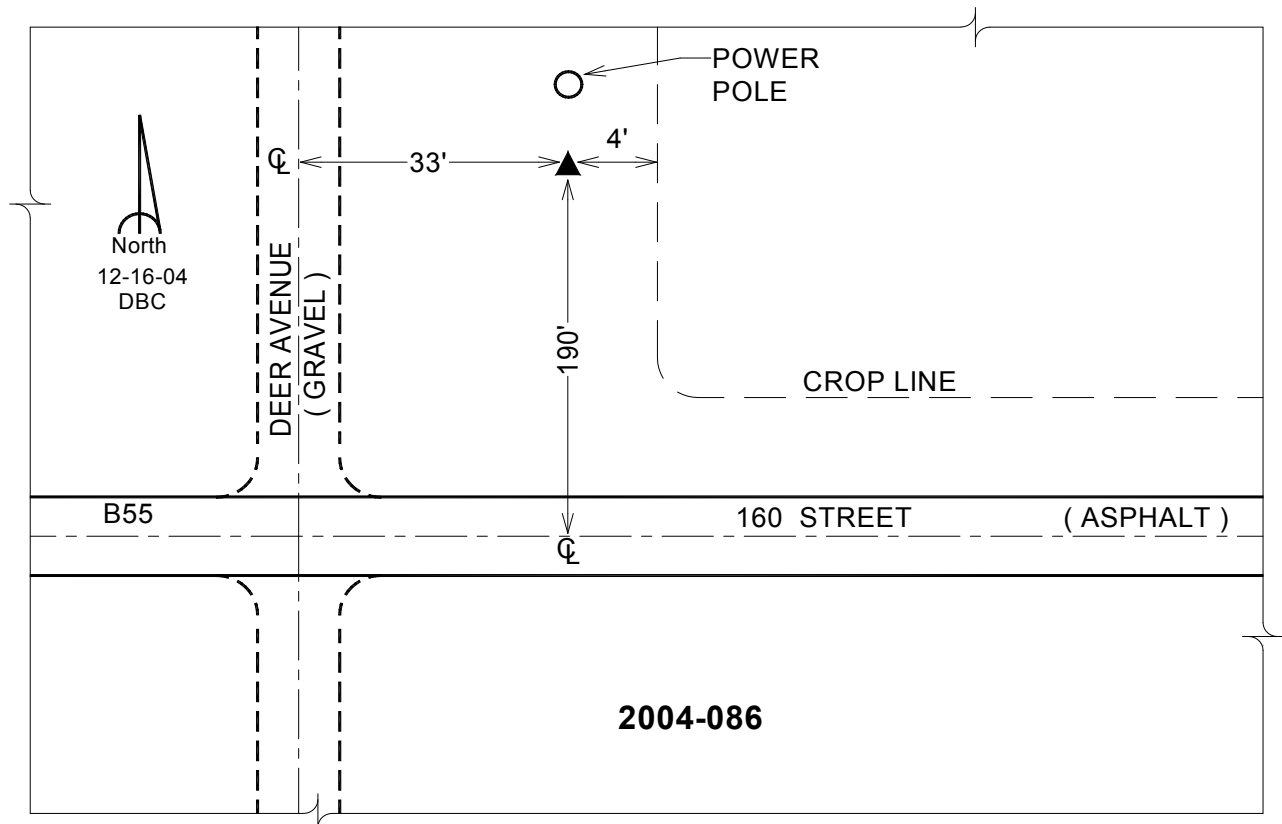
Designation: 2004-086 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°59'43.15390"** Longitude: **W93°54'40.63710"**
NAVD 88 Ortho Height: **1176.760sft** Ellip. Ht: **1080.342sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3826038.852sft** Easting: **4811217.556sft**
Mapping Angle: **-0°16'43"** Combination Scale Factor: **0.999910148**

IaRCS Zone 2 Northing: **9739698.761sft** Easting: **12189301.150sft**
Mapping Angle: **-00° 47' 40"** Combination Scale Factor: **0.999995719**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **87**

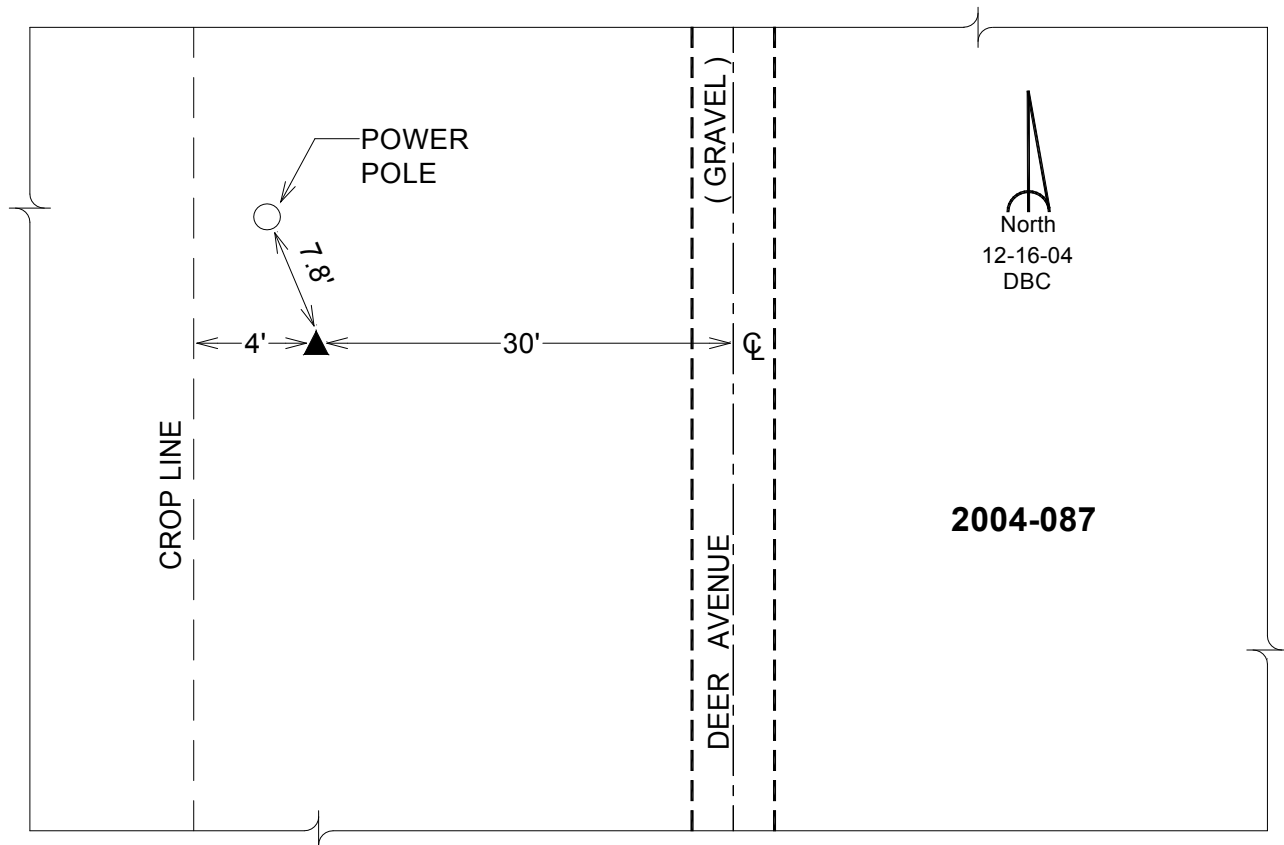
Designation: 2004-087 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°57'18.09898"** Longitude: **W93°54'42.29880"**
NAVD 88 Ortho Height: **1158.510sft** Ellip. Ht: **1062.227sft** Geoid12A

Iowa North Zone (1401) Northing: **3811354.408sft** Easting: **4811022.544sft**
Mapping Angle: **-0°16'45"** Combination Scale Factor: **0.999907242**

IaRCS Zone 2 Northing: **9725015.364sft** Easting: **12188973.945sft**
Mapping Angle: **-00° 47' 41"** Combination Scale Factor: **0.999998924**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **88**

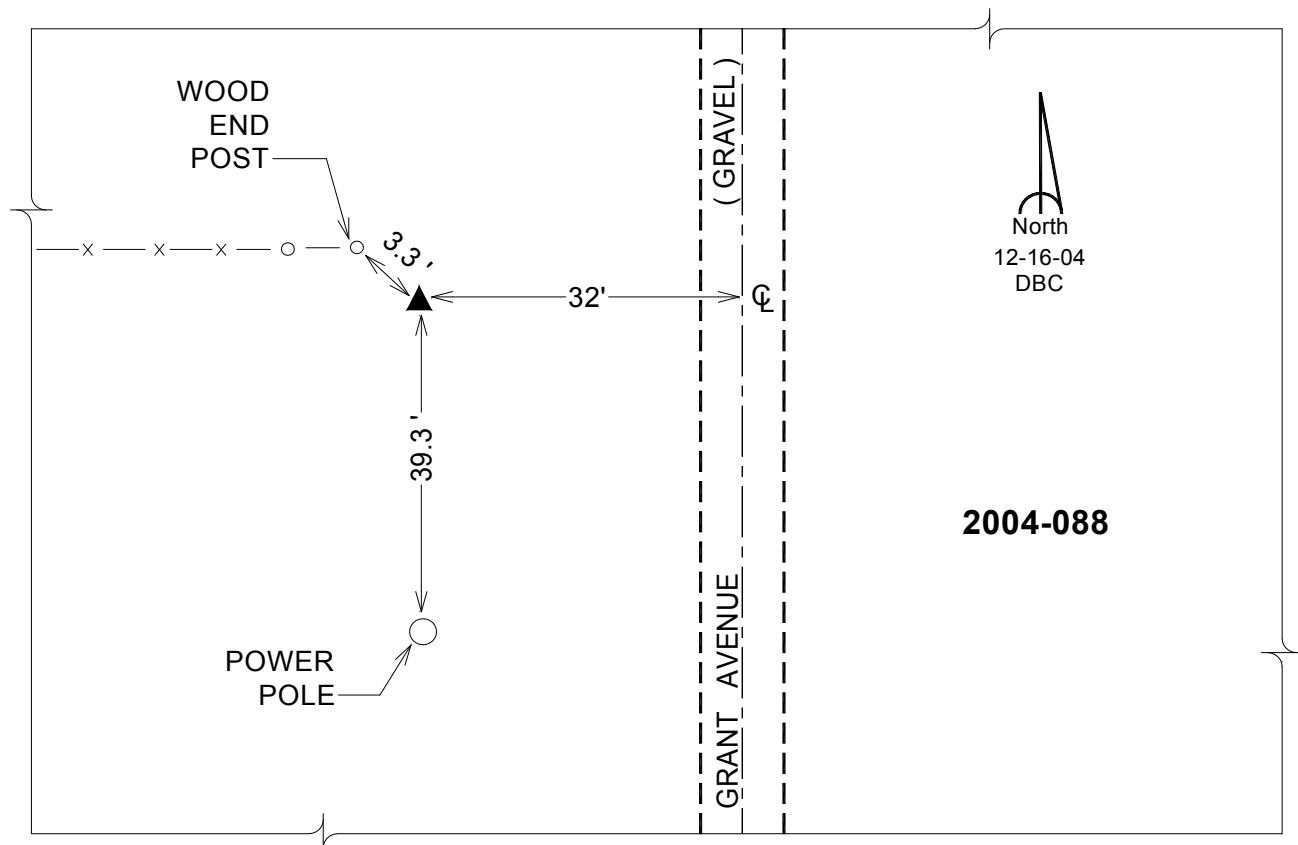
Designation: 2004-088 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°56'40.85579"** Longitude: **W93°51'09.02137"**
NAVD 88 Ortho Height: **1157.680sft** Ellip. Ht: **1061.595sft** Geoid12A

Iowa North Zone (1401) Northing: **3807512.313sft** Easting: **4826866.567sft**
Mapping Angle: **-0°14'20"** Combination Scale Factor: **0.999906384**

IaRCS Zone 2 Northing: **9721030.497sft** Easting: **12204784.223sft**
Mapping Angle: **-00° 45' 15"** Combination Scale Factor: **0.999999634**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

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US Survey Feet

2015

Point Name: **89**

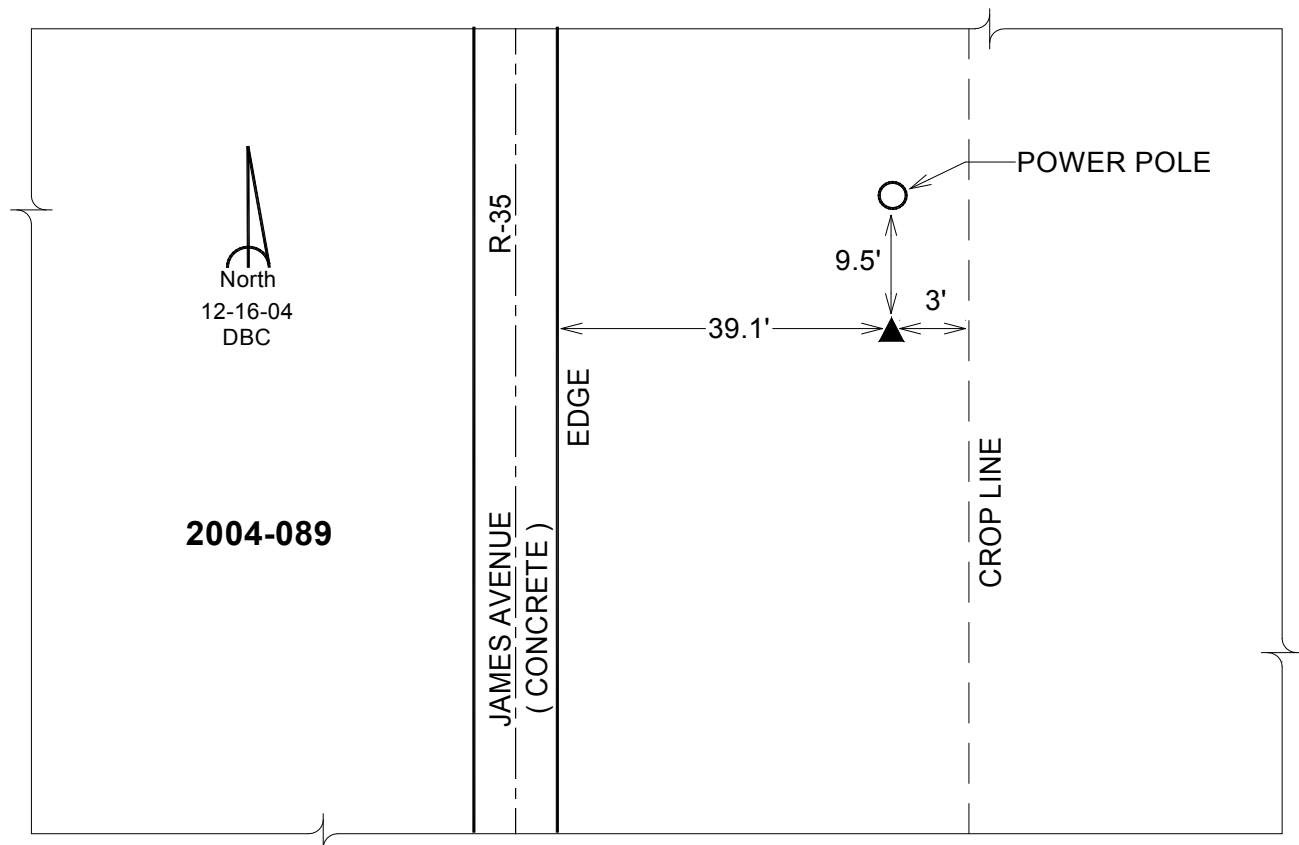
Designation: 2004-089 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°57'13.62006"** Longitude: **W93°47'34.20234"**
NAVD 88 Ortho Height: **1170.740sft** Ellip. Ht: **1074.837sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3810768.311sft** Easting: **4842855.146sft**
Mapping Angle: **-0°11'54"** Combination Scale Factor: **0.999906532**

laRCS Zone 2 Northing: **9724142.900sft** Easting: **12220802.916sft**
Mapping Angle: **-00° 42' 48"** Combination Scale Factor: **0.999998400**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **90**

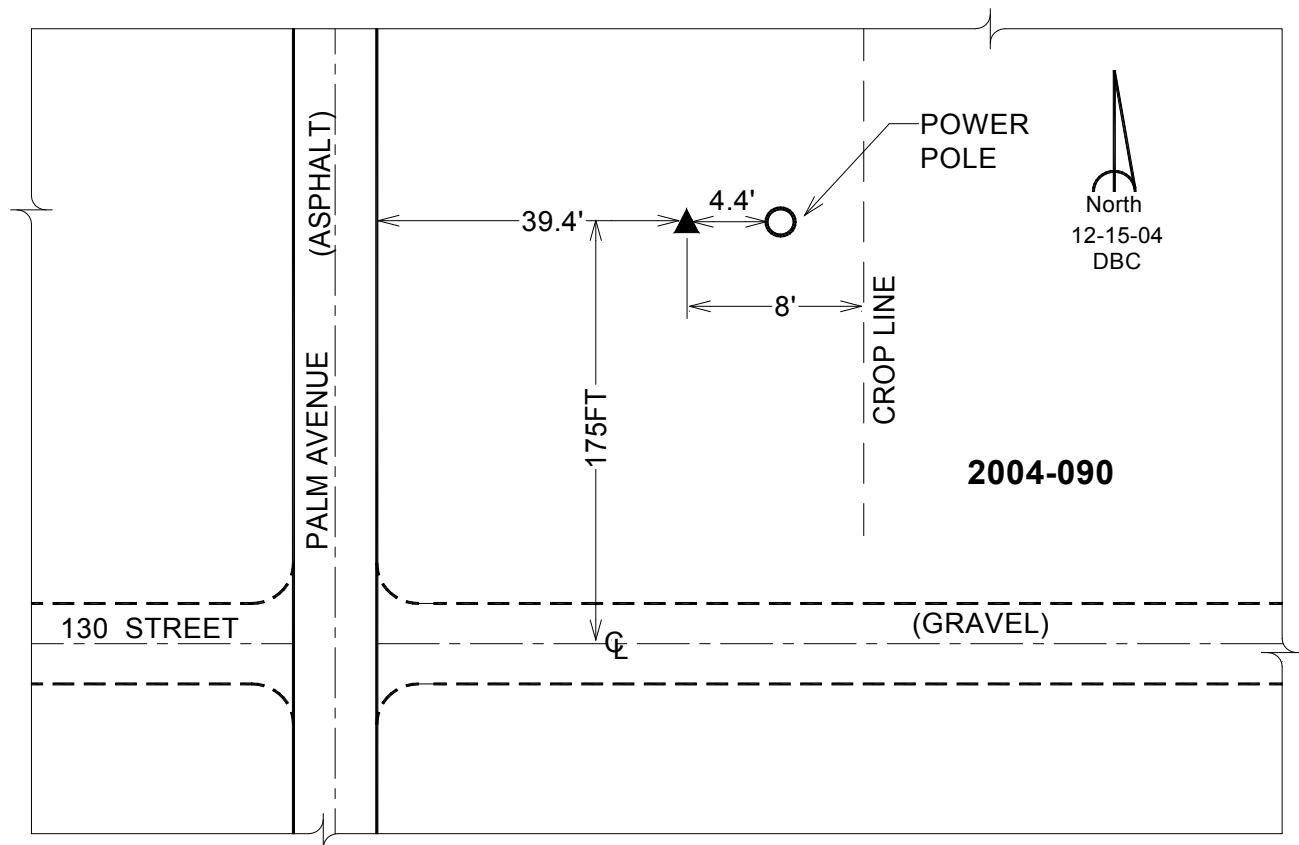
Designation: 2004-090 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°57'09.06014"** Longitude: **W93°40'31.41973"**
NAVD 88 Ortho Height: **1251.010sft** Ellip. Ht: **1156.293sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3810219.606sft** Easting: **4874293.995sft**
Mapping Angle: **-0°07'08"** Combination Scale Factor: **0.999902536**

laRCS Zone 2 Northing: **9723311.786sft** Easting: **12252238.465sft**
Mapping Angle: **-00° 37' 59"** Combination Scale Factor: **0.999994582**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **91**

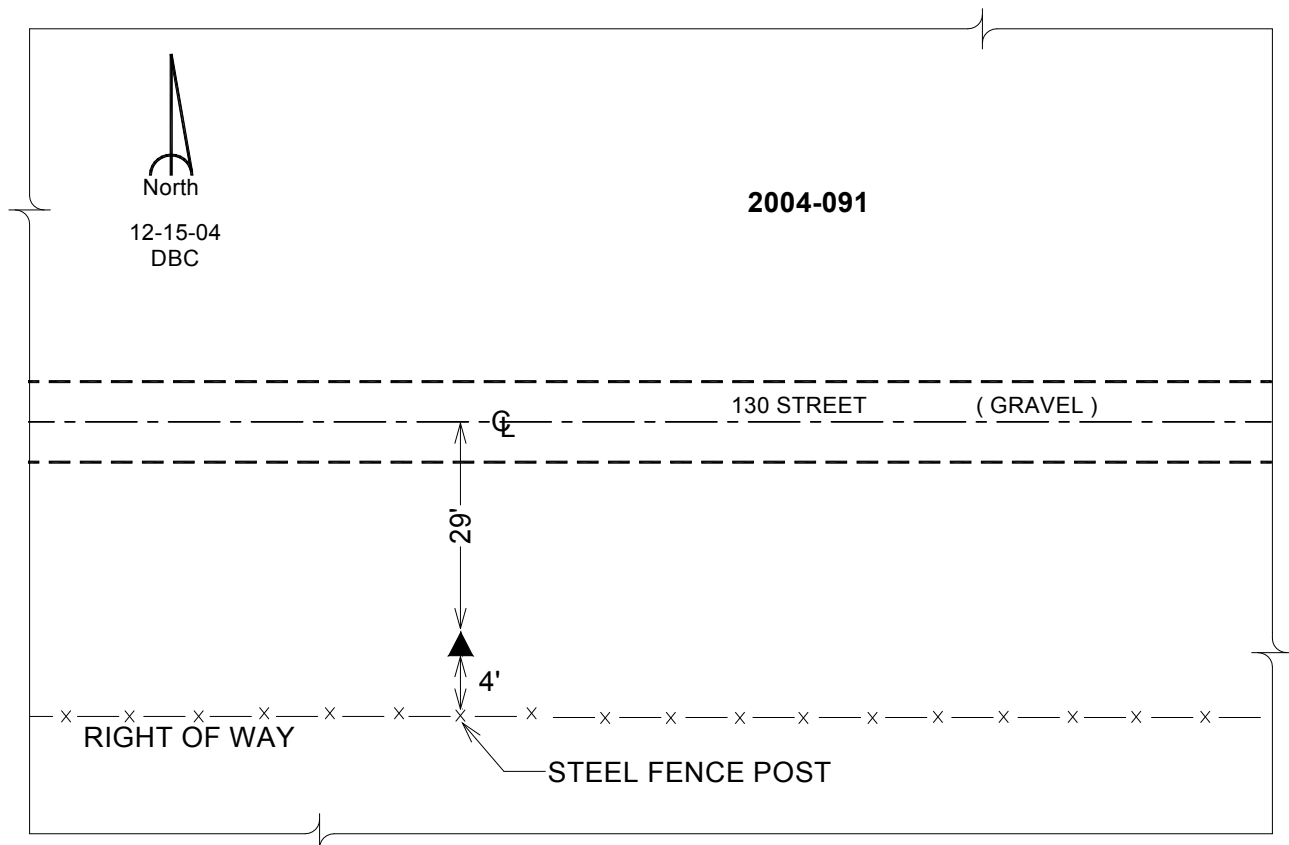
Designation: 2004-091 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°57'06.82347"** Longitude: **W93°37'22.18050"**
NAVD 88 Ortho Height: **1260.070sft** Ellip. Ht: **1166.137sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3809968.348sft** Easting: **4888366.572sft**
Mapping Angle: **-0°05'00"** Combination Scale Factor: **0.999902012**

IaRCS Zone 2 Northing: **9722934.248sft** Easting: **12266309.520sft**
Mapping Angle: **-00° 35' 50"** Combination Scale Factor: **0.999994151**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **92**

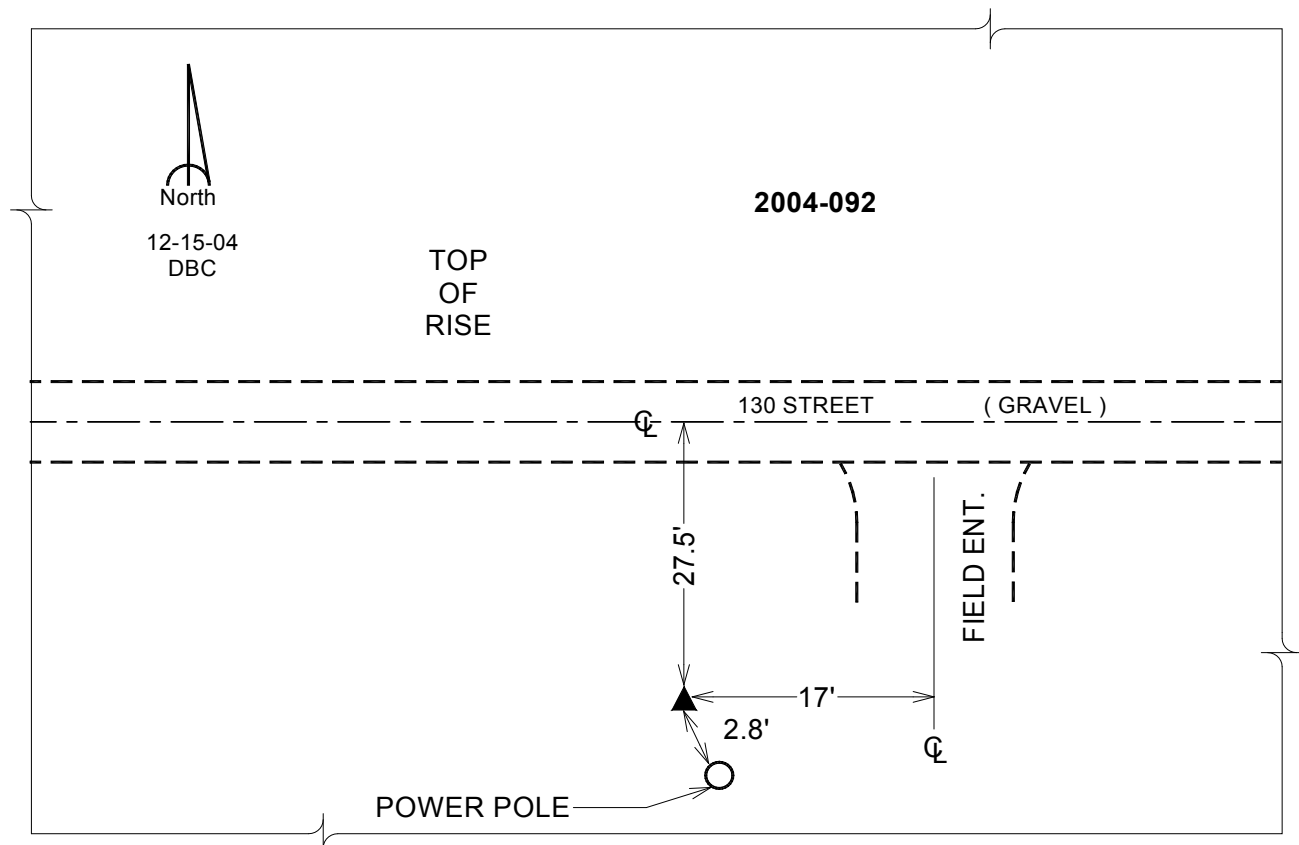
Designation: 2004-092 HANCOCK CO GPS CONTROL PT (Set by DCI in 2004)

NAD 83(NA2011) Latitude: **N42°57'07.16583"** Longitude: **W93°33'09.96436"**
NAVD 88 Ortho Height: **1258.260sft** Ellip. Ht: **1165.394sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3809983.528sft** Easting: **4907123.028sft**
Mapping Angle: **-0°02'09"** Combination Scale Factor: **0.999902056**

IaRCS Zone 2 Northing: **9722781.266sft** Easting: **12285067.090sft**
Mapping Angle: **-00° 32' 57"** Combination Scale Factor: **0.999994180**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed cap and a permanent magnet encased in a 5" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **301**

Designation: FBN control station designation 41 1 PID: OO0687

NAD 83(NA2011) Latitude: **N43°07'33.22899"** Longitude: **W93°30'06.64418"**
NAVD 88 Ortho Height: **1266.000sft** Ellip. Ht: **1171.248sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3873362.300sft** Easting: **4920757.280sft**
Mapping Angle: **-0°00'05"** Combination Scale Factor: **0.999921435**

laRCS Zone 2 Northing: **9786040.364sft** Easting: **12299269.670sft**
Mapping Angle: **-00° 30' 52"** Combination Scale Factor: **0.999987168**

Monument Type: Existing concrete post monument with a brass disk set in the top.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **302**

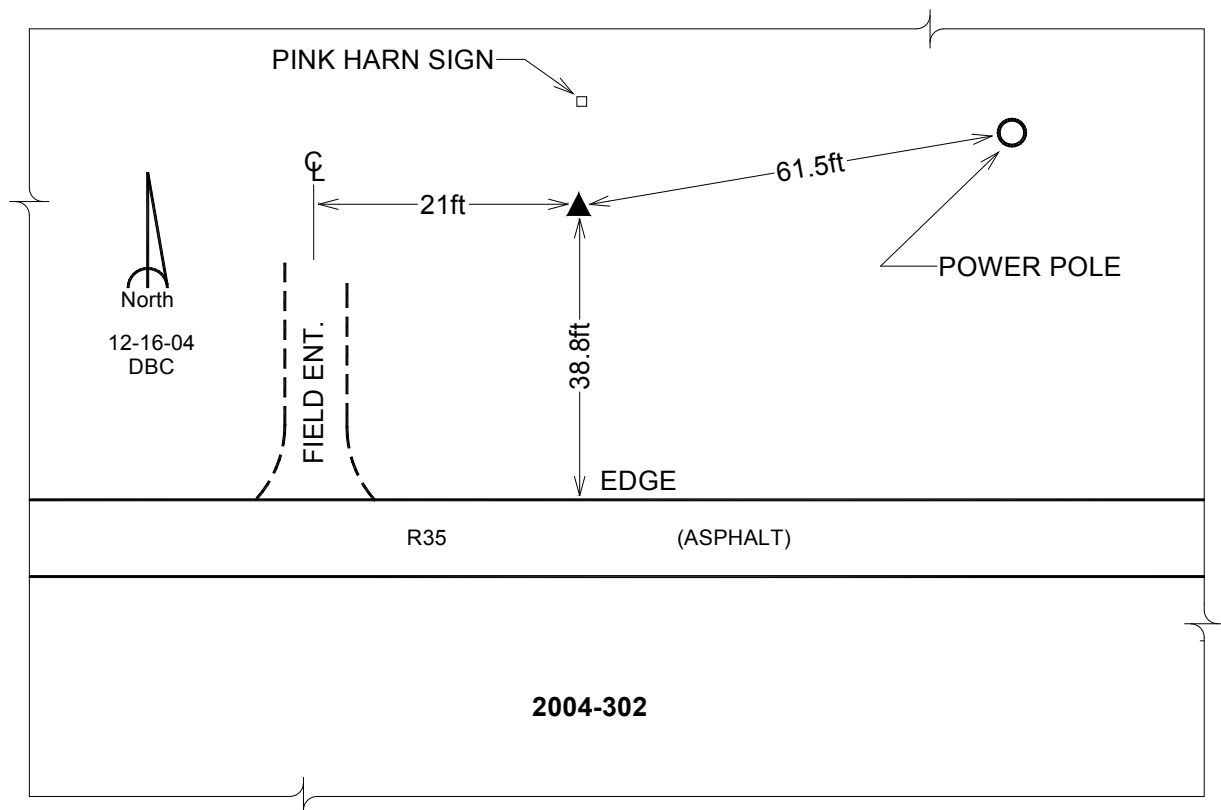
Designation: CBN control station designation CLOVER PID: OO1209

NAD 83(NA2011) Latitude: **N43°13'38.05243"** Longitude: **W93°50'59.62246"**
NAVD 88 Ortho Height: **1305.590sft** Ellip. Ht: **1209.219sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3910491.890sft** Easting: **4827991.840sft**
Mapping Angle: **-0°14'14"** Combination Scale Factor: **0.999935342**

IaRCS Zone 2 Northing: **9824003.202sft** Easting: **12206835.808sft**
Mapping Angle: **-00° 45' 09"** Combination Scale Factor: **0.999985656**

Monument Type: Existing concrete post monument with a brass disk set in the top.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **1001**

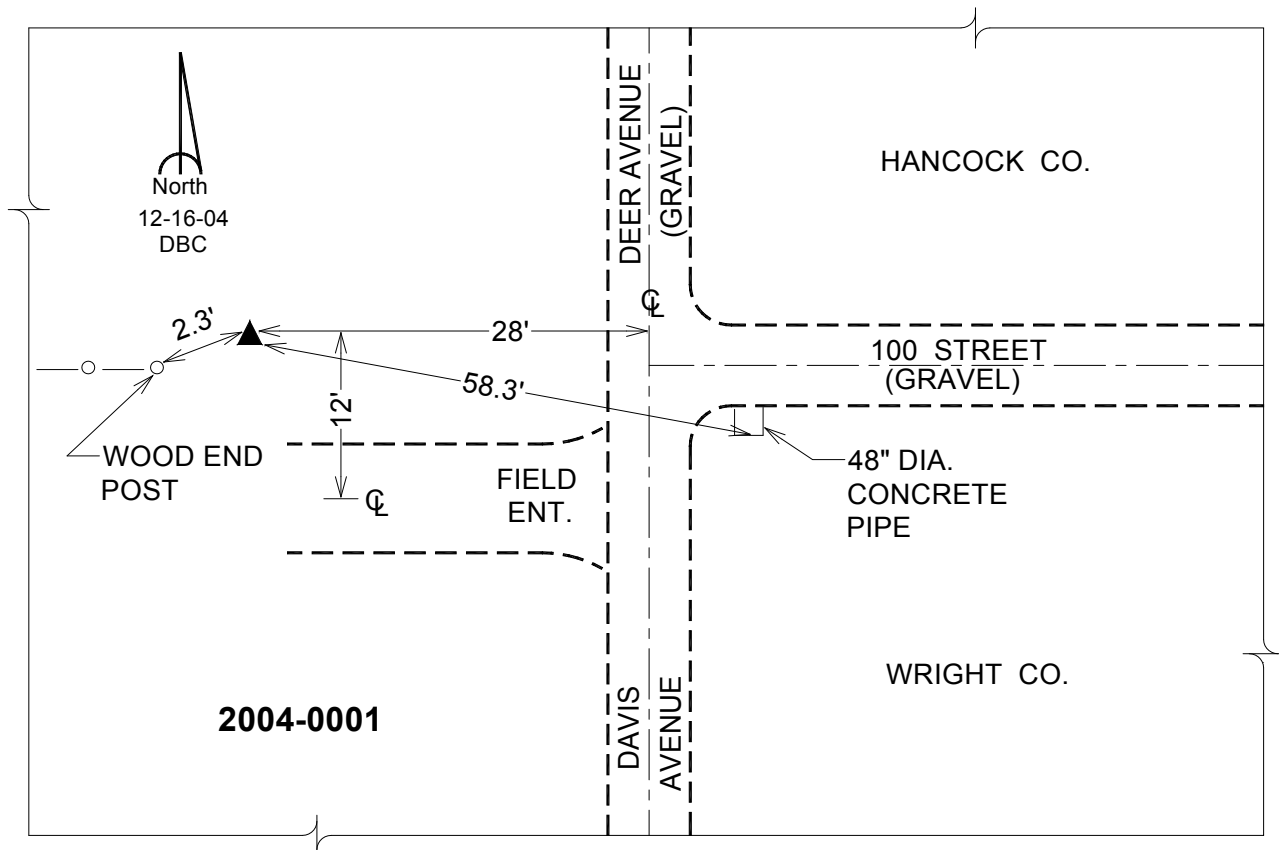
Designation: WRIGHT CO 0001 (Set by Veenstra & Kimm, Inc. in 2004)

NAD 83(NA2011) Latitude: **N42°54'29.42925"** Longitude: **W93°54'40.85755"**
NAVD 88 Ortho Height: **1139.680sft** Ellip. Ht: **1043.697sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3794278.324sft** Easting: **4811046.631sft**
Mapping Angle: **-0°16'44"** Combination Scale Factor: **0.999904364**

IaRCS Zone 2 Northing: **9707938.125sft** Easting: **12188844.320sft**
Mapping Angle: **-00° 47' 40"** Combination Scale Factor: **1.000003147**

Monument Type: Existing rod type monument with aluminum cap set by others.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **1002**

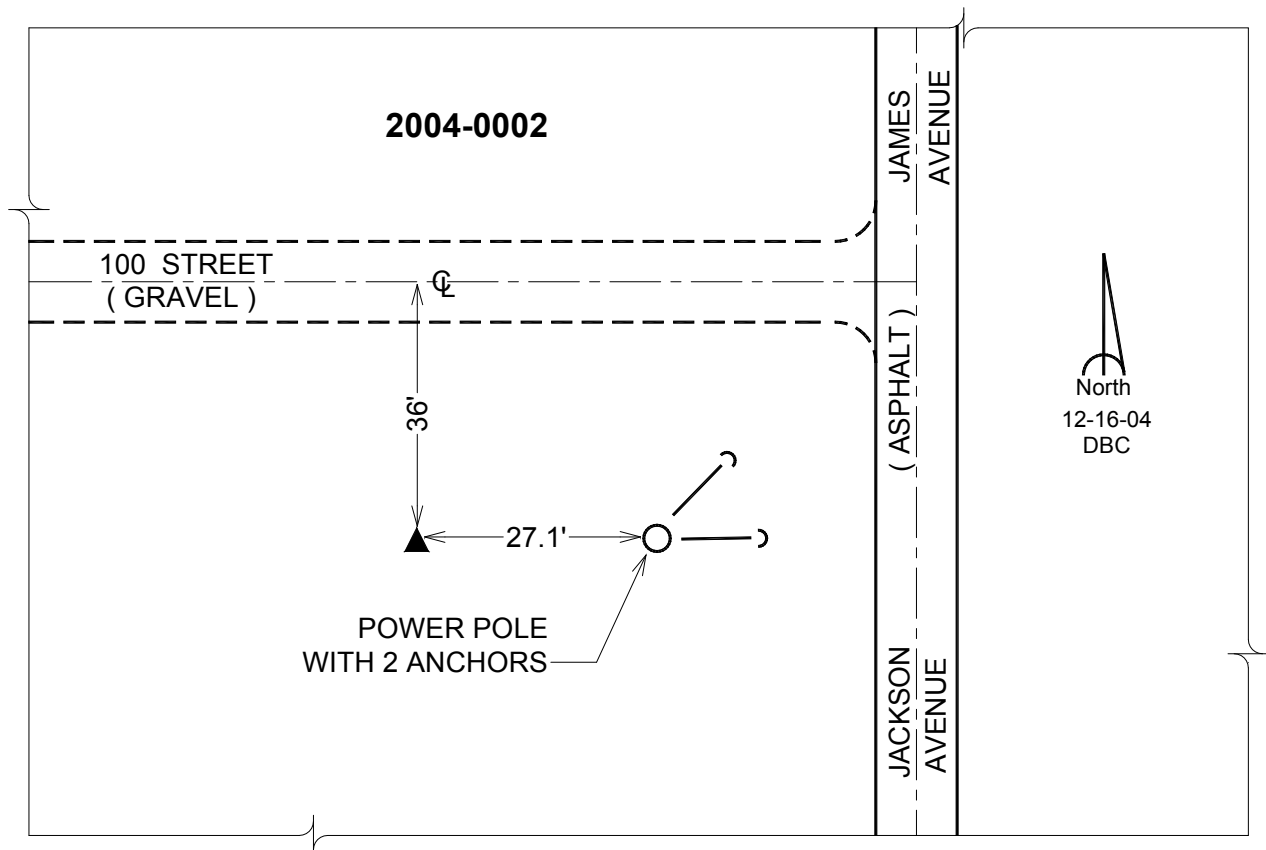
Designation: WRIGHT CO 0002 (Set by Veenstra & Kimm, Inc. in 2004)

NAD 83(NA2011) Latitude: **N42°54'30.64985"** Longitude: **W93°47'36.46014"**
NAVD 88 Ortho Height: **1185.390sft** Ellip. Ht: **1090.102sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3794270.238sft** Easting: **4842629.975sft**
Mapping Angle: **-0°11'56"** Combination Scale Factor: **0.999902175**

laRCS Zone 2 Northing: **9707645.941sft** Easting: **12220429.439sft**
Mapping Angle: **-00° 42' 50"** Combination Scale Factor: **1.000000899**

Monument Type: Existing rod type monument with aluminum cap set by others.



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Hancock County, Iowa
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 2. Mason City (LCC)
US Survey Feet
2015

Point Name: **1003**

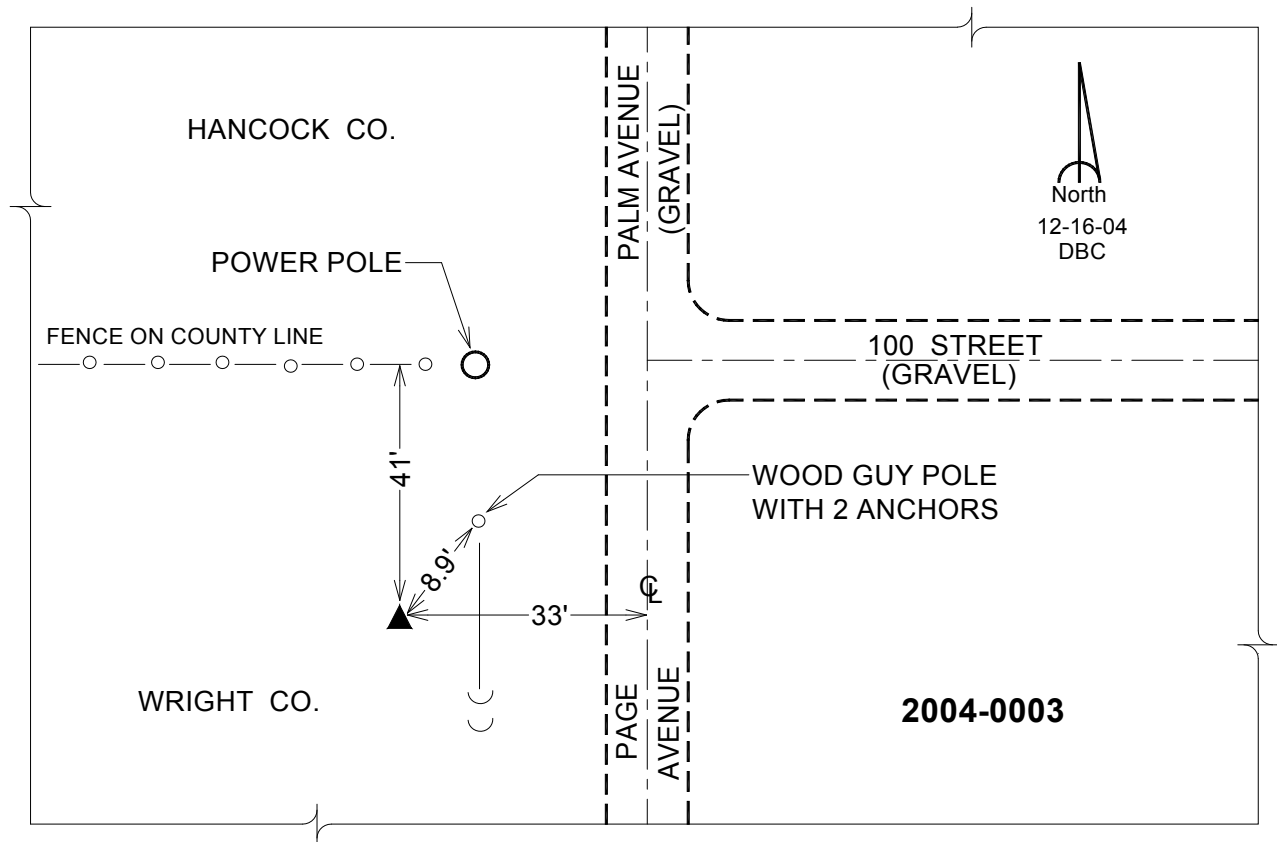
Designation: WRIGHT CO 0003 (Set by Veenstra & Kimm, Inc. in 2004)

NAD 83(NA2011) Latitude: **N42°54'29.98228"** Longitude: **W93°40'32.81692"**
NAVD 88 Ortho Height: **1247.780sft** Ellip. Ht: **1153.943sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3794115.158sft** Easting: **4874156.605sft**
Mapping Angle: **-0°07'09"** Combination Scale Factor: **0.999899116**

laRCS Zone 2 Northing: **9707207.679sft** Easting: **12251956.523sft**
Mapping Angle: **-00° 38' 00"** Combination Scale Factor: **0.999997856**

Monument Type: Existing rod type monument with aluminum cap set by others.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **1004**

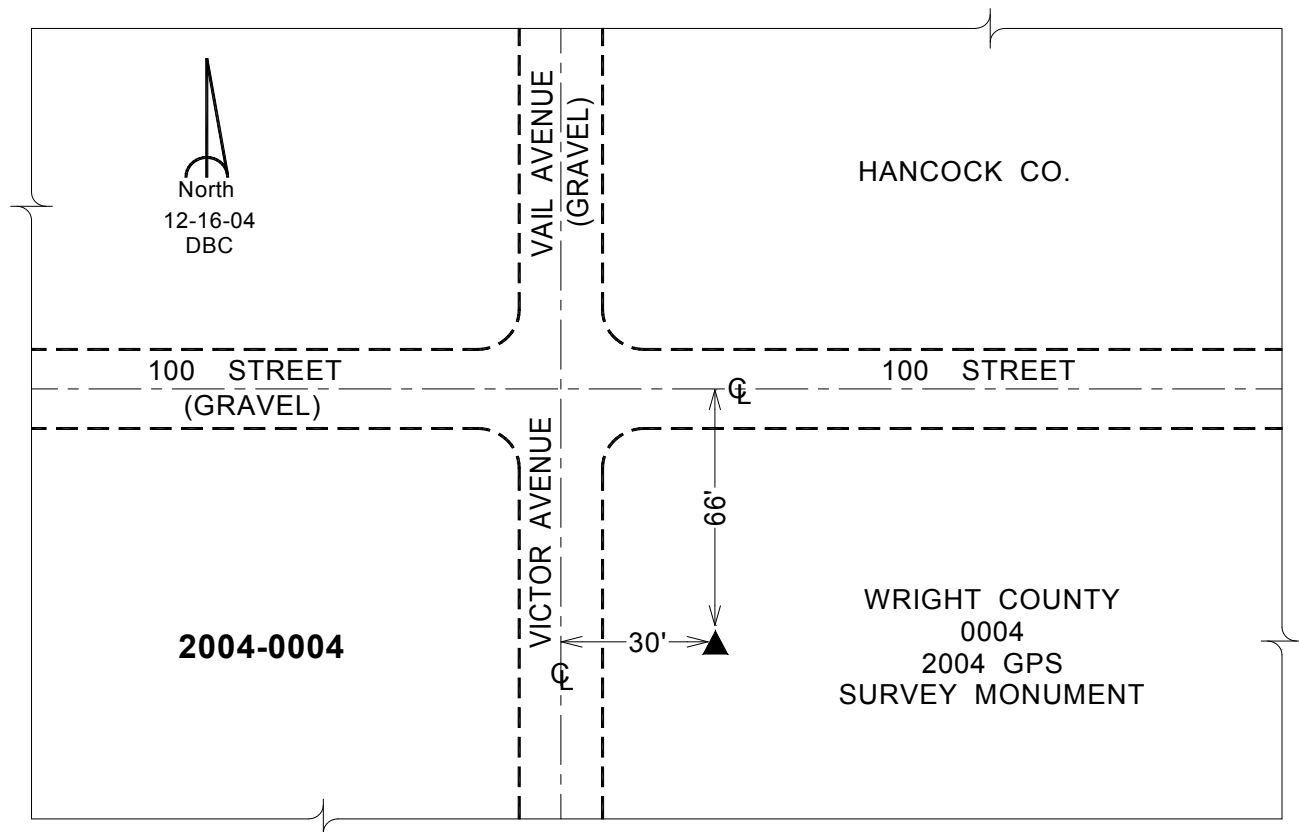
Designation: WRIGHT CO 0004 (Set by Veenstra & Kimm, Inc. in 2004)

NAD 83(NA2011) Latitude: **N42°54'30.56677"** Longitude: **W93°33'28.14837"**
NAVD 88 Ortho Height: **1251.280sft** Ellip. Ht: **1159.151sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3794130.666sft** Easting: **4905759.905sft**
Mapping Angle: **-0°02'21"** Combination Scale Factor: **0.99989888**

laRCS Zone 2 Northing: **9706939.741sft** Easting: **12283561.818sft**
Mapping Angle: **-00° 33' 10"** Combination Scale Factor: **0.999997594**

Monument Type: Existing rod type monument with aluminum cap set by others.



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Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **G103**

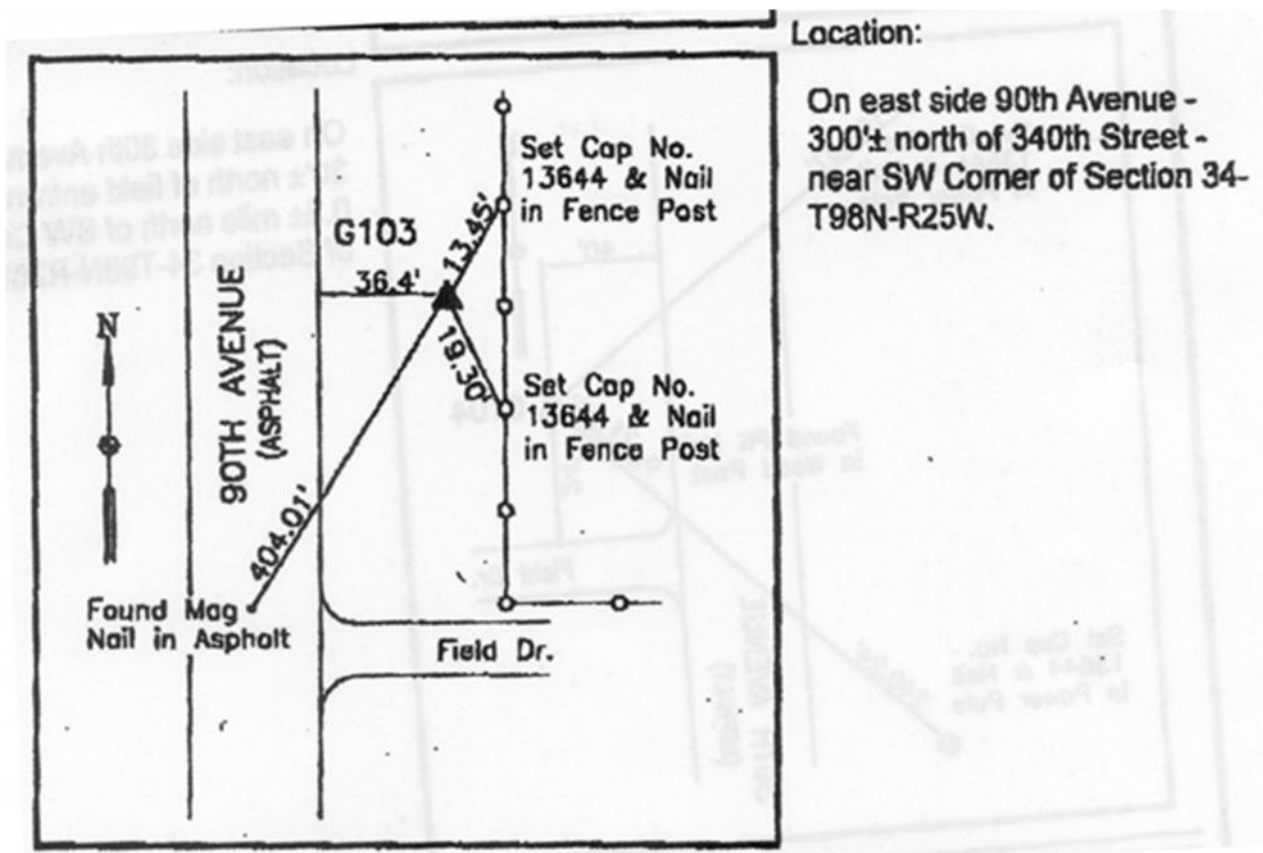
Designation: WINNEBAGO CO G103 (Set by WHKS & Co. in 2002)

NAD 83(NA2011) Latitude: **N43°15'23.60588"** Longitude: **W93°47'33.20934"**
NAVD 88 Ortho Height: **1300.282sft** Ellip. Ht: **1203.713sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3921120.769sft** Easting: **4843310.882sft**
Mapping Angle: **-0°11'54"** Combination Scale Factor: **0.999940739**

laRCS Zone 2 Northing: **9834494.428sft** Easting: **12222250.537sft**
Mapping Angle: **-00° 42' 48"** Combination Scale Factor: **0.999986589**

Monument Type: Existing 5/8" X 6'-0" Long Aluminum Rod with cap stamped G103 and
NGS Style Acces Cover 2" Deep.



This document was prepared by Dan Corbin, Inc. on April 30, 2015 for Hancock County, Iowa.

Hancock County, Iowa

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 2. Mason City (LCC)

US Survey Feet

2015

Point Name: **G104**

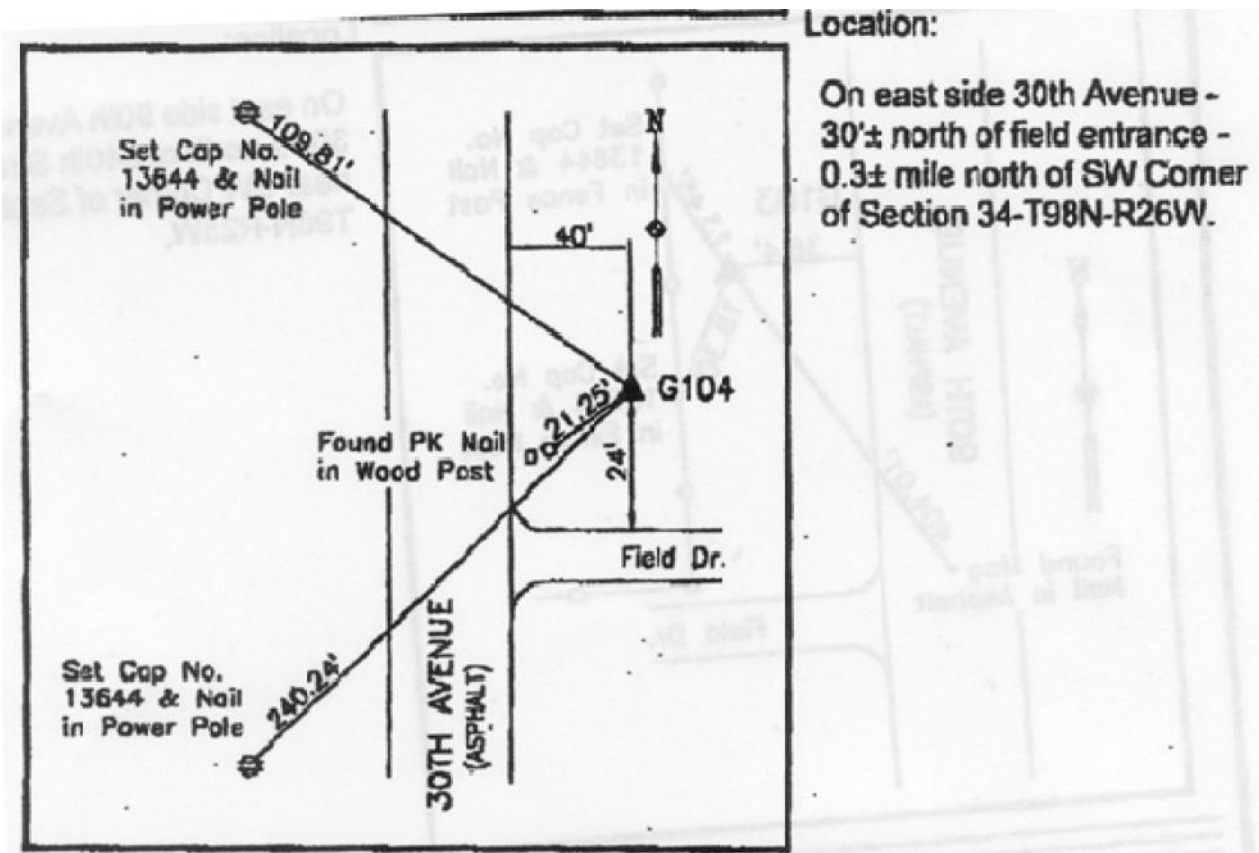
Designation: WINNEBAGO CO G104 (Set by WHKS & Co. in 2002)

NAD 83(NA2011) Latitude: **N43°15'31.25265"** Longitude: **W93°54'40.75092"**
NAVD 88 Ortho Height: **1228.340sft** Ellip. Ht: **1132.478sft** **Geoid12A**

Iowa North Zone (1401) Northing: **3922026.693sft** Easting: **4811676.125sft**
Mapping Angle: **-0°16'44"** Combination Scale Factor: **0.99994452**

IaRCS Zone 2 Northing: **9835684.899sft** Easting: **12190623.757sft**
Mapping Angle: **-00° 47' 40"** Combination Scale Factor: **0.999990059**

Monument Type: Existing 5/8" X 6'-0" Long Aluminum Rod with cap stamped G104 and NGS Style Acces Cover 2" Deep.



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