

Butler County
Iowa

NAD 83(NA2011)

Iowa North Zone (1401)

&

IaRCS Zone 5

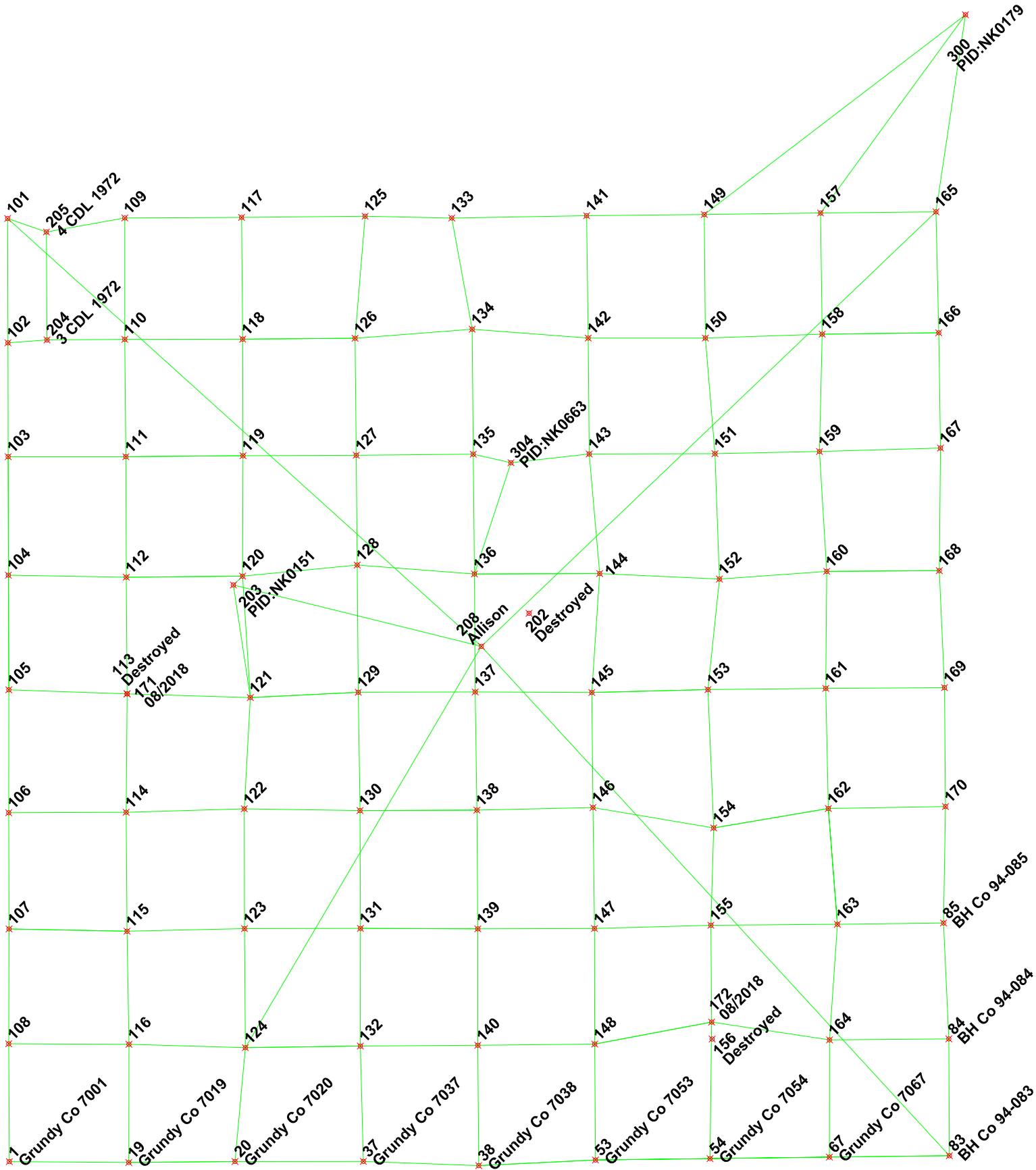
Monument Records

2018

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

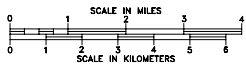


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Butler County, IA 2018 Network Adjustment

Prepared by:
Dan Corbin, Inc.
02-28-2019



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **1**

Designation: Grundy Co 7001 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'23.87533"** Longitude: **W93°01'36.68332"**

NAVD 88 Ortho Height: **1068.540sft** Ellip. Ht: **965.533sft** **Geoid12B**

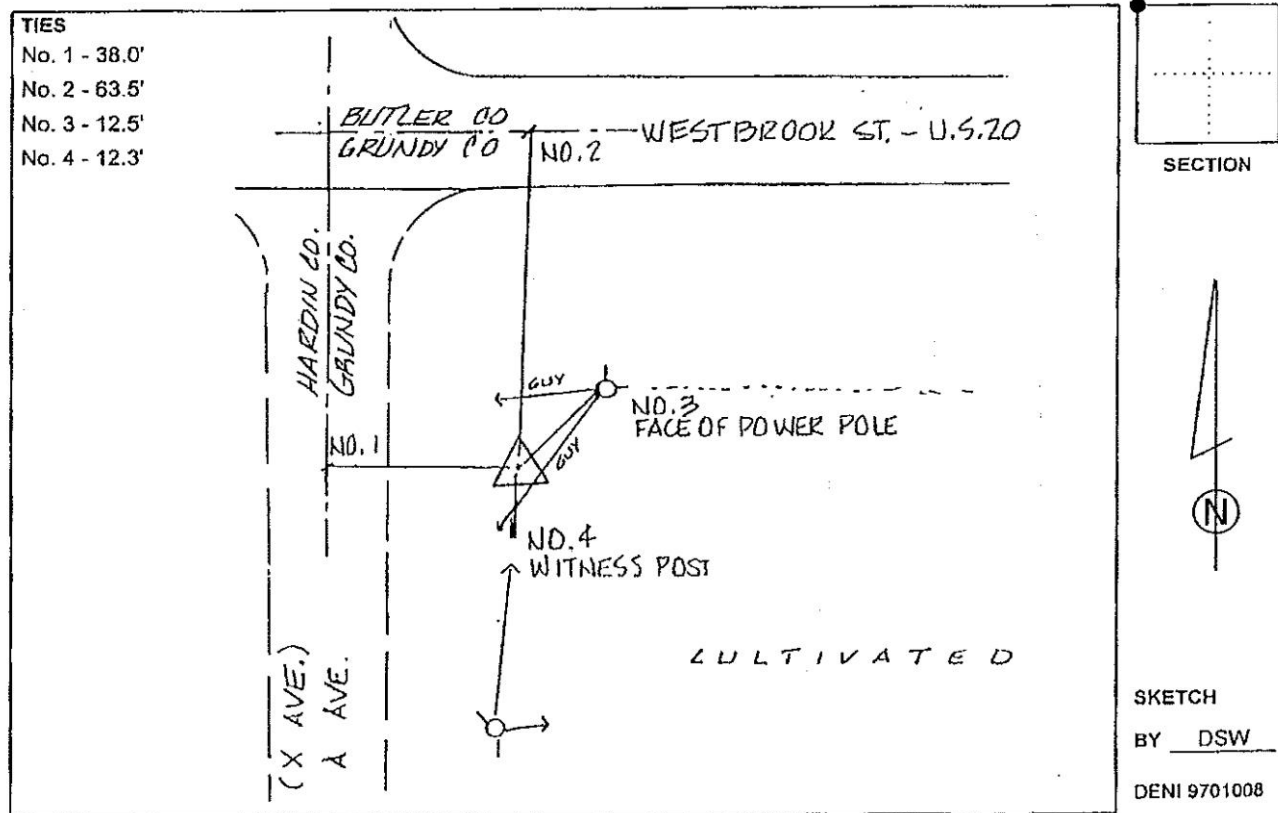
Iowa North Zone (1401) Northing: **3666250.502sft** Easting: **5048725.340sft**

Mapping Angle: **0°19'14"** Combination Scale Factor: **0.9999010868**

IaRCS Zone 5 Northing: **8866932.245sft** Easting: **15290681.498sft**

Mapping Angle: **-0°31'35"** Combination Scale Factor: **0.9999871682**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **19**

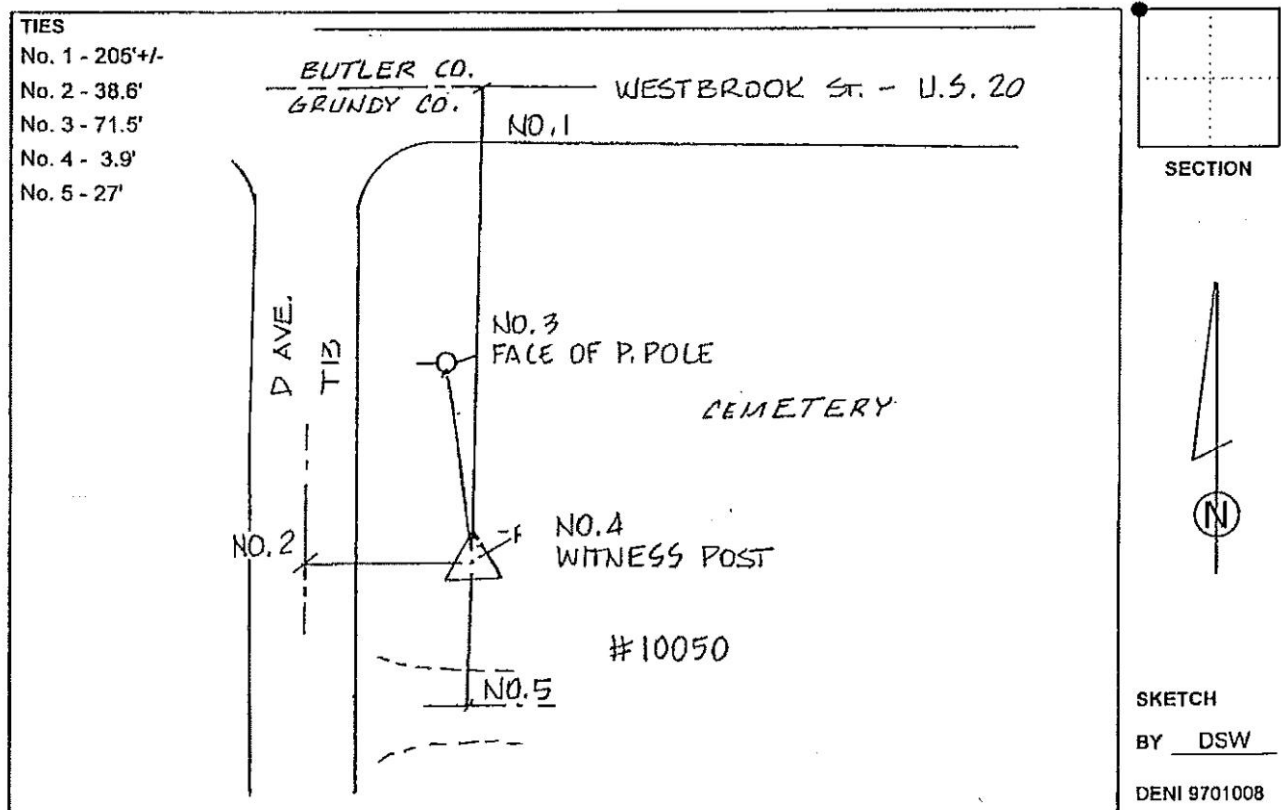
Designation: Grundy Co 7019 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'21.76319"** Longitude: **W92°58'00.46163"**
NAVD 88 Ortho Height: **1085.950sft** Ellip. Ht: **982.186sft** Geoid12B

Iowa North Zone (1401) Northing: **3666133.008sft** Easting: **5064908.406sft**
Mapping Angle: **0°21'41"** Combination Scale Factor: **0.9999003106**

IaRCS Zone 5 Northing: **8866575.506sft** Easting: **15306862.452sft**
Mapping Angle: **-0°29'08"** Combination Scale Factor: **0.9999863889**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **20**

Designation: Grundy Co 7020 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'22.17091"** Longitude: **W92°54'48.16301"**

NAVD 88 Ortho Height: **1016.277sft** Ellip. Ht: **912.058sft** **Geoid12B**

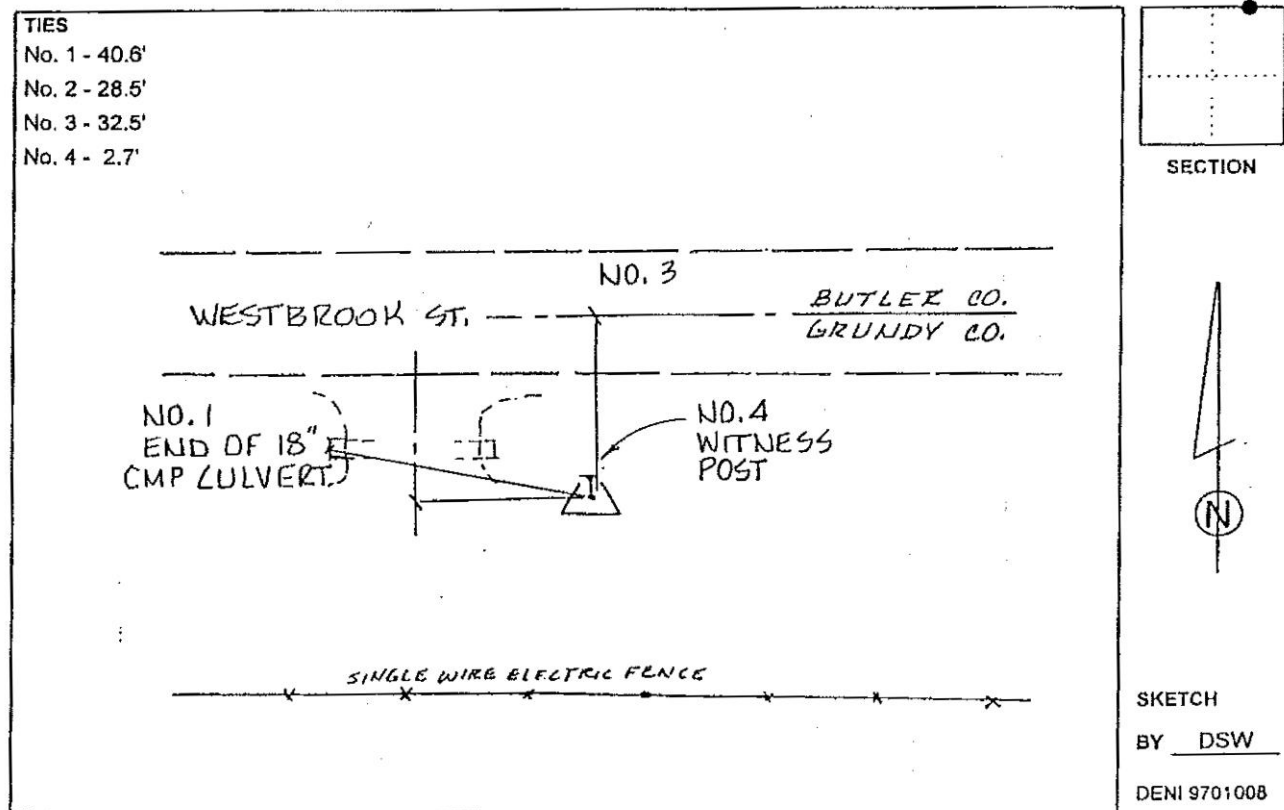
Iowa North Zone (1401) Northing: **3666269.598sft** Easting: **5079299.543sft**

Mapping Angle: **0°23'51"** Combination Scale Factor: **0.9999036586**

IaRCS Zone 5 Northing: **8866499.332sft** Easting: **15321255.274sft**

Mapping Angle: **-0°26'58"** Combination Scale Factor: **0.9999897377**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
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Point Name: **37**

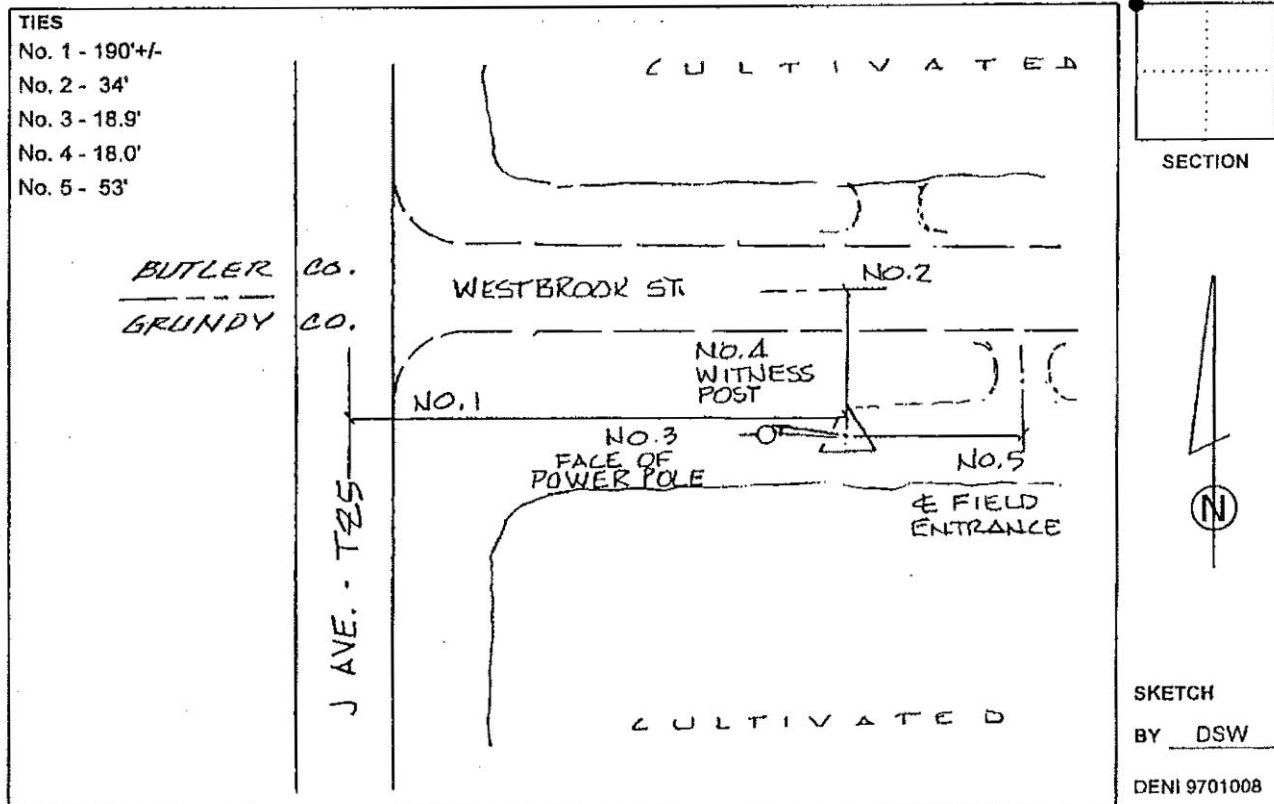
Designation: Grundy Co 7037 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'21.06944"** Longitude: **W92°50'55.72494"**
NAVD 88 Ortho Height: **1026.670sft** Ellip. Ht: **922.164sft** Geoid12B

Iowa North Zone (1401) Northing: **3666285.452sft** Easting: **5096695.703sft**
Mapping Angle: **0°26'29"** Combination Scale Factor: **0.9999031859**

IaRCS Zone 5 Northing: **8866257.995sft** Easting: **15338651.265sft**
Mapping Angle: **-0°24'21"** Combination Scale Factor: **0.9999892634**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Point Name: **38**

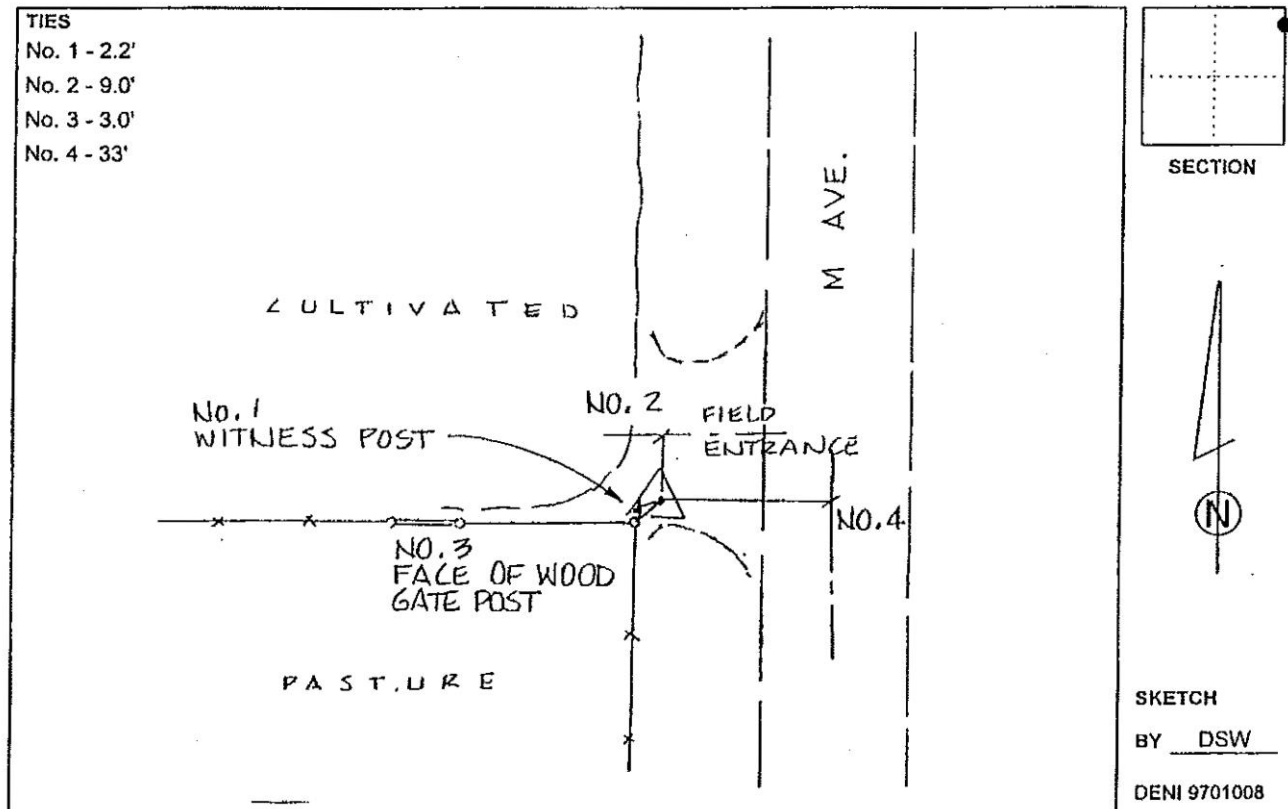
Designation: Grundy Co 7038 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'14.15116"** Longitude: **W92°47'26.70049"**
NAVD 88 Ortho Height: **1019.530sft** Ellip. Ht: **914.969sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3665711.007sft** Easting: **5112344.630sft**
Mapping Angle: **0°28'50"** Combination Scale Factor: **0.9999035955**

IaRCS Zone 5 Northing: **8865452.201sft** Easting: **15354291.336sft**
Mapping Angle: **-0°21'59"** Combination Scale Factor: **0.9999896627**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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US Survey Feet
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Point Name: **53**

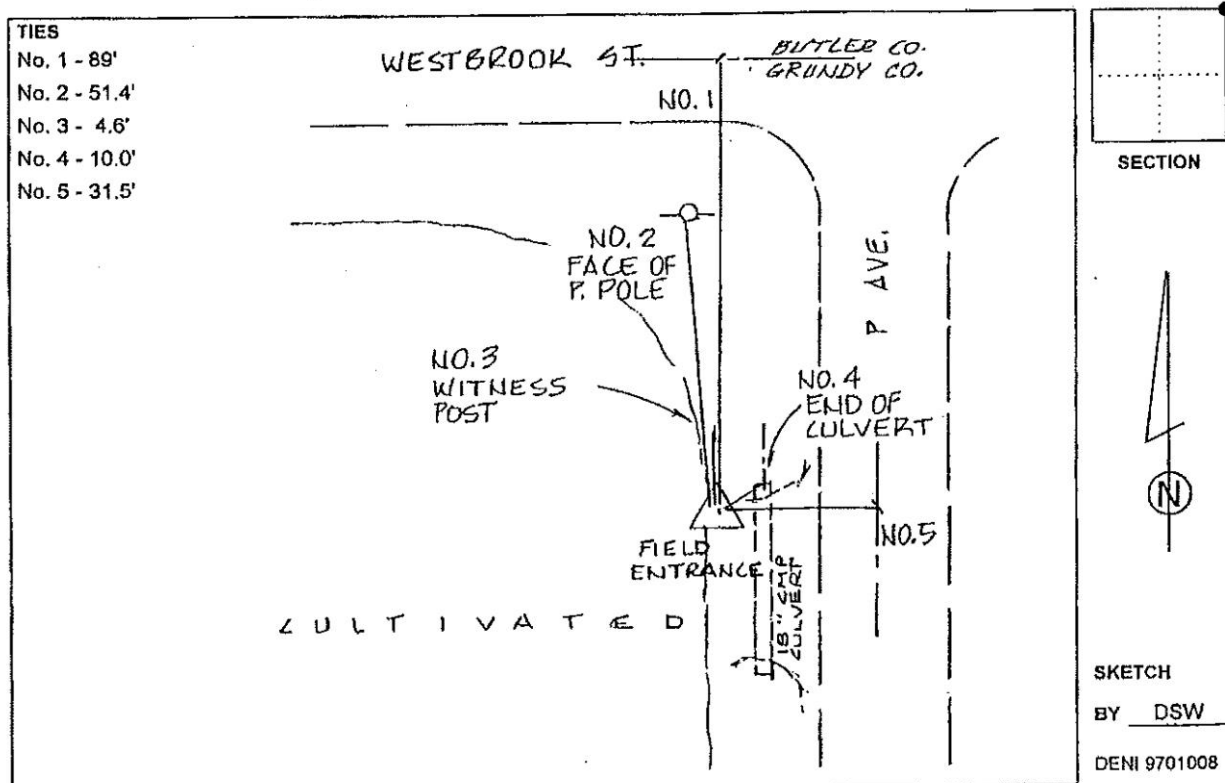
Designation: Grundy Co 7053 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'20.23216"** Longitude: **W92°43'55.32913"**
NAVD 88 Ortho Height: **957.480sft** Ellip. Ht: **852.997sft** Geoid**12B**

Iowa North Zone (1401) Northing: **3666464.776sft** Easting: **5128158.124sft**
Mapping Angle: **0°31'14"** Combination Scale Factor: **0.9999064997**

IaRCS Zone 5 Northing: **8865972.153sft** Easting: **15370115.607sft**
Mapping Angle: **-0°19'36"** Combination Scale Factor: **0.9999925762**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Iowa State Plane North Zone (1401)

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US Survey Feet

11/10/18

Point Name: **54**

Designation: Grundy Co 7054 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'20.67874"**

Longitude: **W92°40'28.02602"**

NAVD 88 Ortho Height: **923.982sft**

Ellip. Ht: **819.661sft**

Geoid12B

Iowa North Zone (1401) Northing: **3666656.202sft**

Easting: **5143671.783sft**

Mapping Angle: **0°33'34"**

Combination Scale Factor: **0.9999080888**

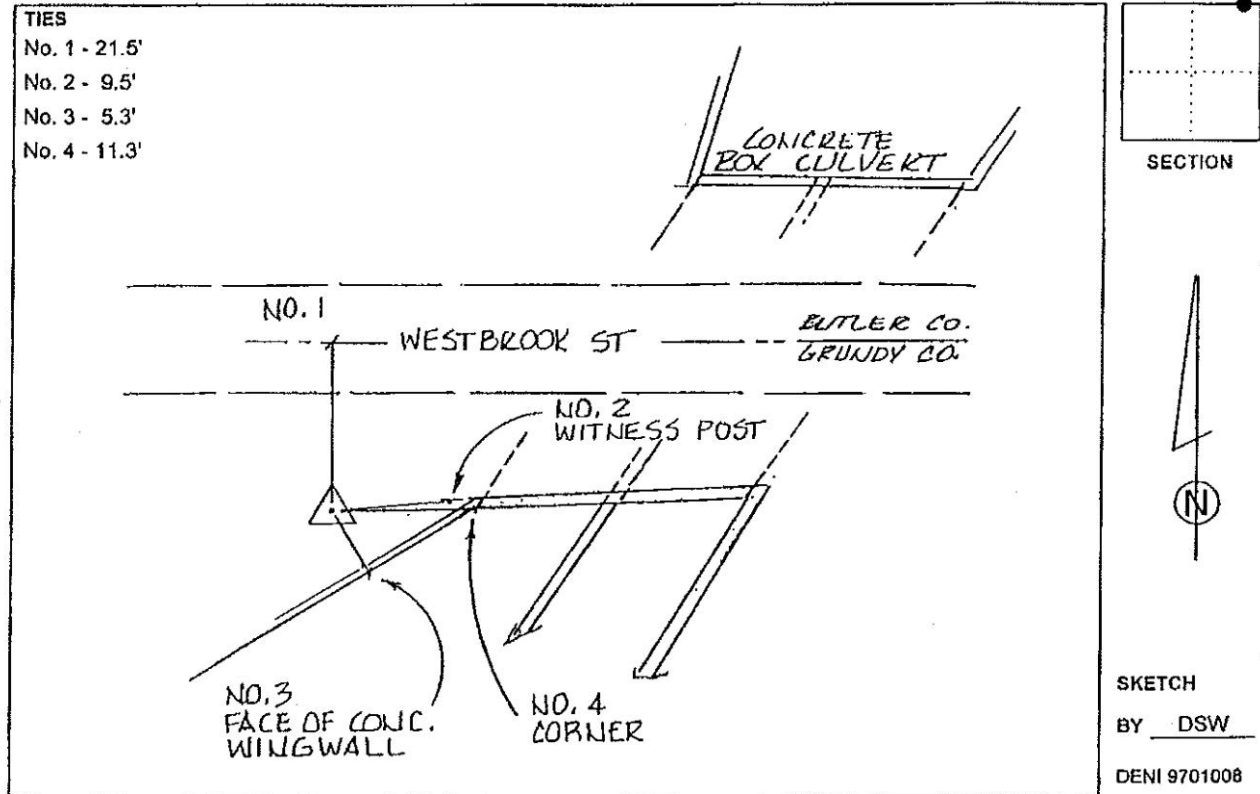
IaRCS Zone 5 Northing: **8865934.205sft**

Easting: **15385631.736sft**

Mapping Angle: **-0°17'15"**

Combination Scale Factor: **0.9999941661**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Point Name: **67**

Designation: Grundy Co 7067 (Set by Deni Associates in 1997)

NAD 83(NA2011) Latitude: **N42°33'21.11185"** Longitude: **W92°36'51.79258"**

NAVD 88 Ortho Height: **904.790sft**

Ellip. Ht: **800.681sft**

Geoid12B

Iowa North Zone (1401) Northing: **3666863.823sft** Easting: **5159853.608sft**

Mapping Angle: **0°36'01"**

Combination Scale Factor: **0.9999089919**

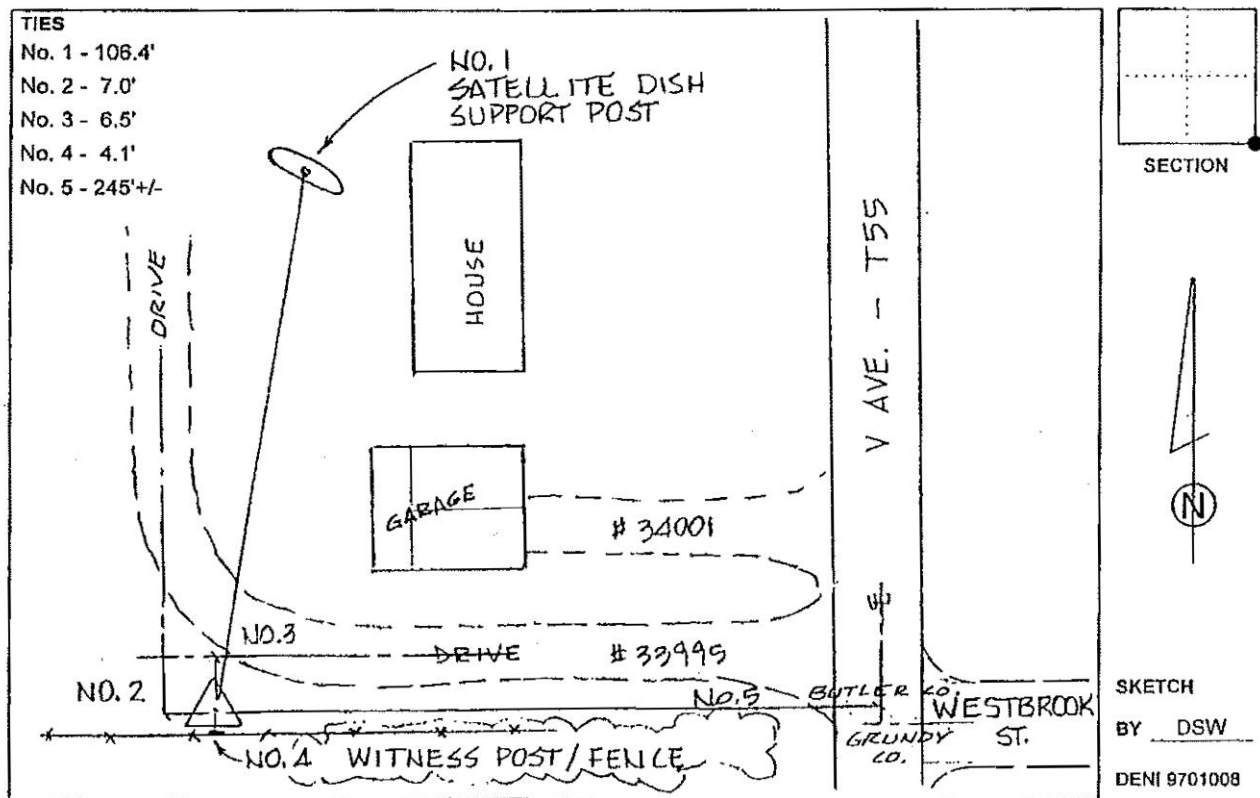
IaRCS Zone 5 Northing: **8865902.568sft**

Easting: **15401816.256sft**

Mapping Angle: **-0°14'49"**

Combination Scale Factor: **0.9999950699**

Monument Type: 3-1/4" aluminum disk set in the top of a 12" diameter poured-in-place concrete monument.



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Iowa State Plane North Zone (1401)

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US Survey Feet

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Point Name: **83**

Designation: Black Hawk Co 94-083 (Set by ASI in 1994)

NAD 83(NA2011) Latitude: **N42°33'21.30467"** Longitude: **W92°33'14.59110"**

NAVD 88 Ortho Height: **886.870sft** Ellip. Ht: **782.975sft** Geoid**12B**

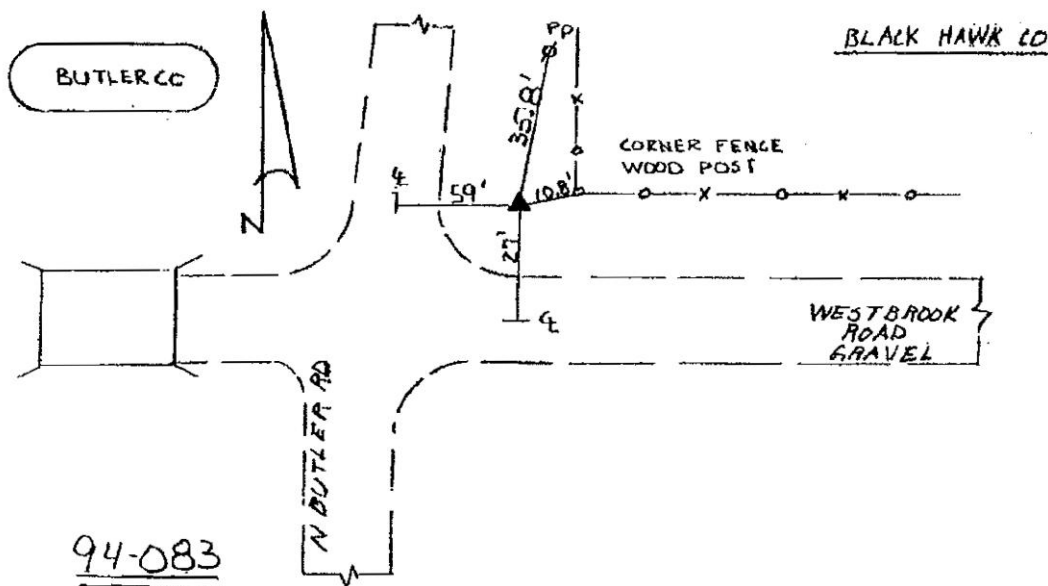
Iowa North Zone (1401) Northing: **3667059.428sft** Easting: **5176107.966sft**

Mapping Angle: **0°38'28"** Combination Scale Factor: **0.9999098364**

IaRCS Zone 5 Northing: **8865857.840sft** Easting: **15418073.128sft**

Mapping Angle: **-0°12'22"** Combination Scale Factor: **0.9999959148**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.



Butler County, Iowa

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11/10/18

Point Name: **84**

Designation: Black Hawk Co 94-084 (Set by ASI in 1994)

NAD 83(NA2011) Latitude: **N42°35'57.65389"** Longitude: **W92°33'13.21736"**

NAVD 88 Ortho Height: **929.677sft** Ellip. Ht: **825.804sft** **Geoid12B**

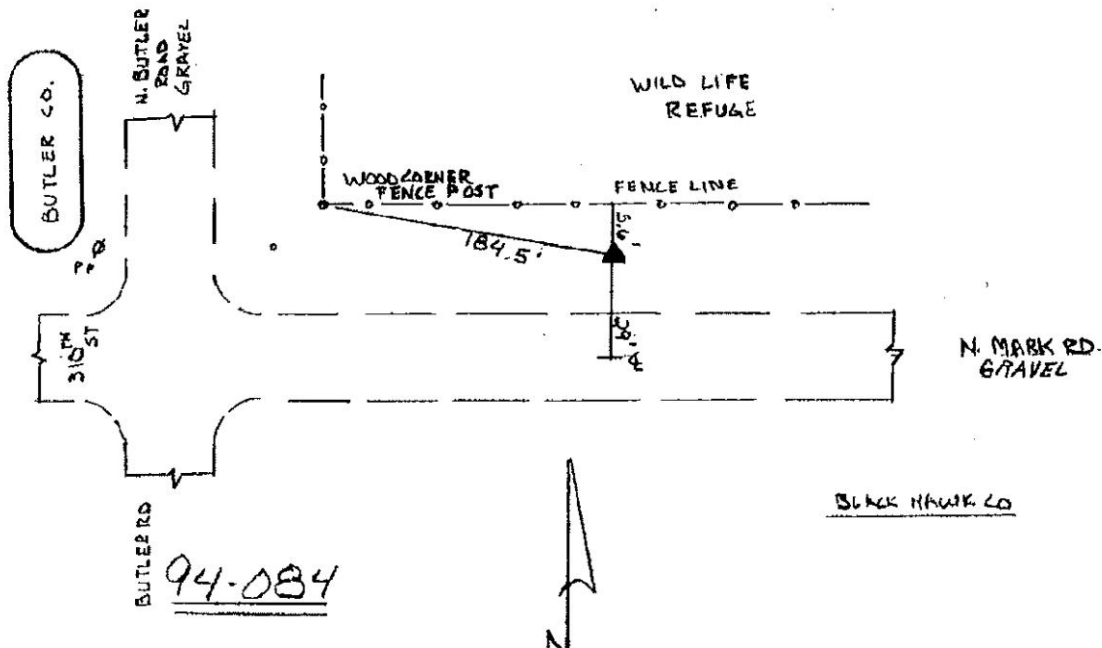
Iowa North Zone (1401) Northing: **3682886.919sft** Easting: **5176033.604sft**

Mapping Angle: **0°38'29"** Combination Scale Factor: **0.9999066040**

IaRCS Zone 5 Northing: **8881686.064sft** Easting: **15418232.787sft**

Mapping Angle: **-0°12'21"** Combination Scale Factor: **0.9999929144**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **85**

Designation: Black Hawk Co 94-085 (Set by ASI in 1994)

NAD 83(NA2011) Latitude: **N42°38'32.85341"** Longitude: **W92°33'20.40062"**

NAVD 88 Ortho Height: **979.050sft** Ellip. Ht: **875.202sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3698590.983sft** Easting: **5175320.915sft**

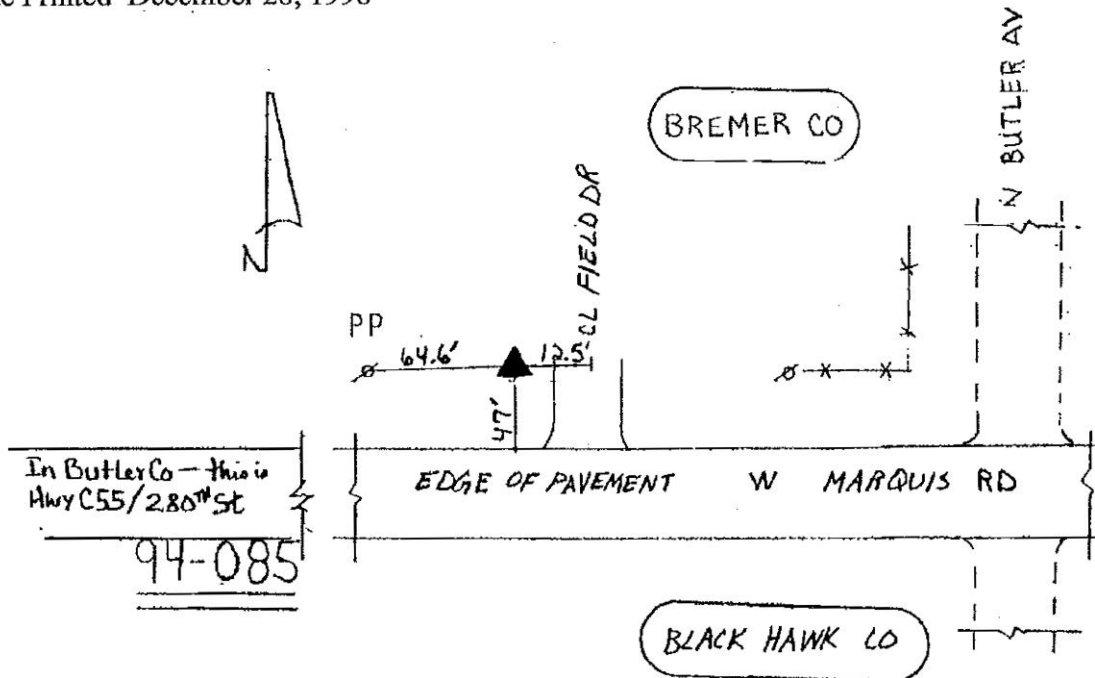
Mapping Angle: **0°38'24"** Combination Scale Factor: **0.9999036319**

IaRCS Zone 5 Northing: **8897400.307sft** Easting: **15417752.309sft**

Mapping Angle: **-0°12'26"** Combination Scale Factor: **0.9999901728**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **101**

Designation: Butler Co 98-101 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'26.75844"** Longitude: **W93°01'30.19309"**

NAVD 88 Ortho Height: **1090.830sft** Ellip. Ht: **991.194sft** Geoid12B

Iowa North Zone (1401) Northing: **3794097.256sft** Easting: **5048492.815sft**

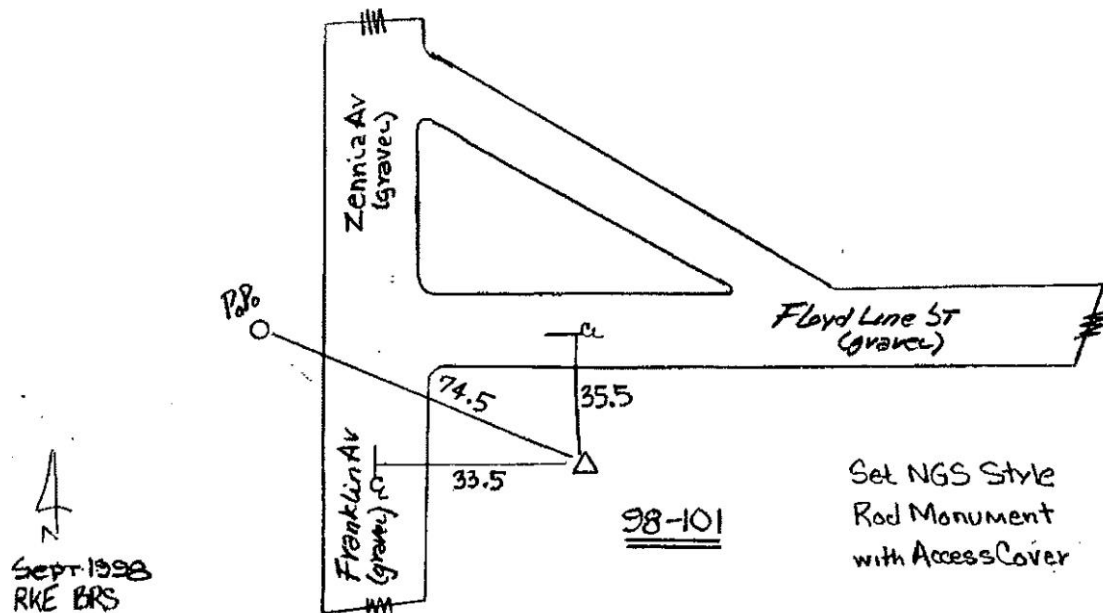
Mapping Angle: **0°19'19"** Combination Scale Factor: **0.9999067295**

IaRCS Zone 5 Northing: **8994779.593sft** Easting: **15292339.036sft**

Mapping Angle: **-0°31'30"** Combination Scale Factor: **0.9999946925**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

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Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **102**

Designation: Butler Co 98-102 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'40.31247"** Longitude: **W93°01'30.93988"**

NAVD 88 Ortho Height: **1040.350sft** Ellip. Ht: **940.156sft** Geoid12B

Iowa North Zone (1401) Northing: **3777246.771sft** Easting: **5048531.865sft**

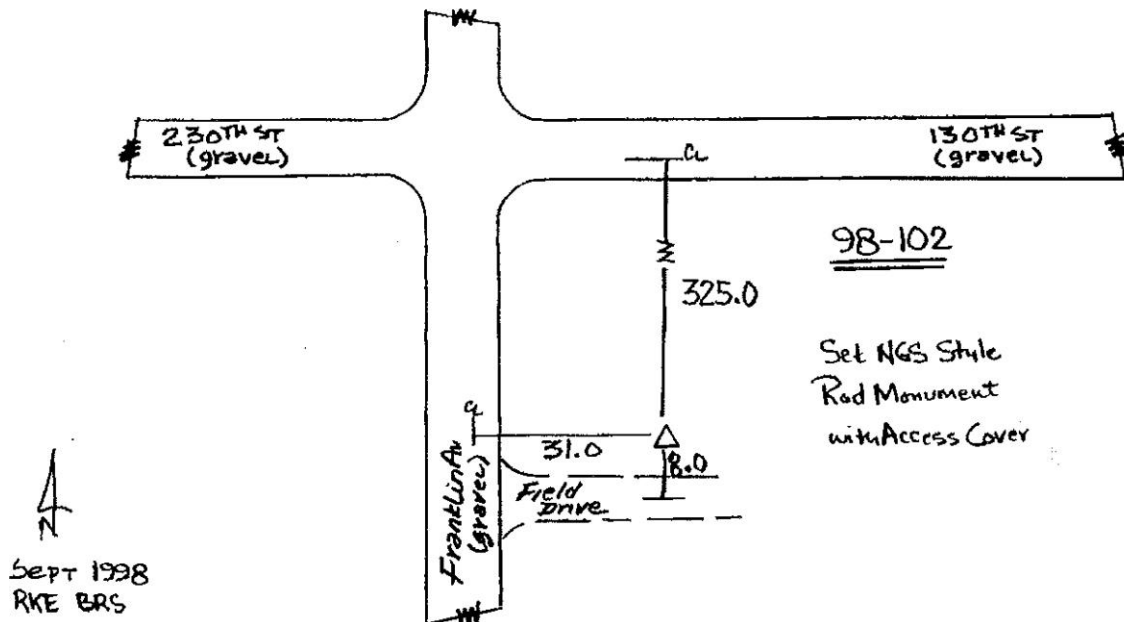
Mapping Angle: **0°19'18"** Combination Scale Factor: **0.9999061229**

IaRCS Zone 5 Northing: **8977928.892sft** Easting: **15292128.971sft**

Mapping Angle: **-0°31'31"** Combination Scale Factor: **0.9999938373**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **103**

Designation: Butler Co 98-103 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'07.85103"** Longitude: **W93°01'31.67039"**

NAVD 88 Ortho Height: **1048.950sft** Ellip. Ht: **948.256sft** Geoid12B

Iowa North Zone (1401) Northing: **3761812.179sft** Easting: **5048564.098sft**

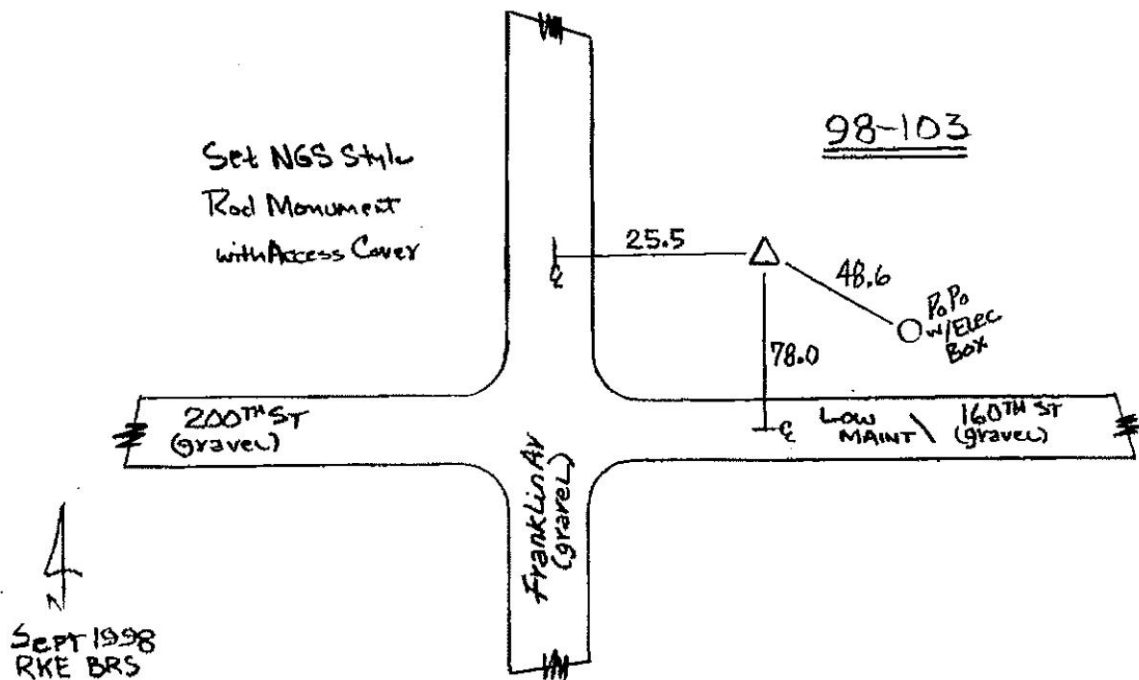
Mapping Angle: **0°19'18"** Combination Scale Factor: **0.9999035169**

IaRCS Zone 5 Northing: **8962494.157sft** Easting: **15291933.021sft**

Mapping Angle: **-0°31'31"** Combination Scale Factor: **0.9999910036**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

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Iowa State Plane North Zone (1401)

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US Survey Feet

11/10/18

Point Name: **104**

Designation: Butler Co 98-104 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'29.22995"** Longitude: **W93°01'32.56638"**

NAVD 88 Ortho Height: **1083.650sft** Ellip. Ht: **982.484sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3745754.105sft** Easting: **5048587.414sft**

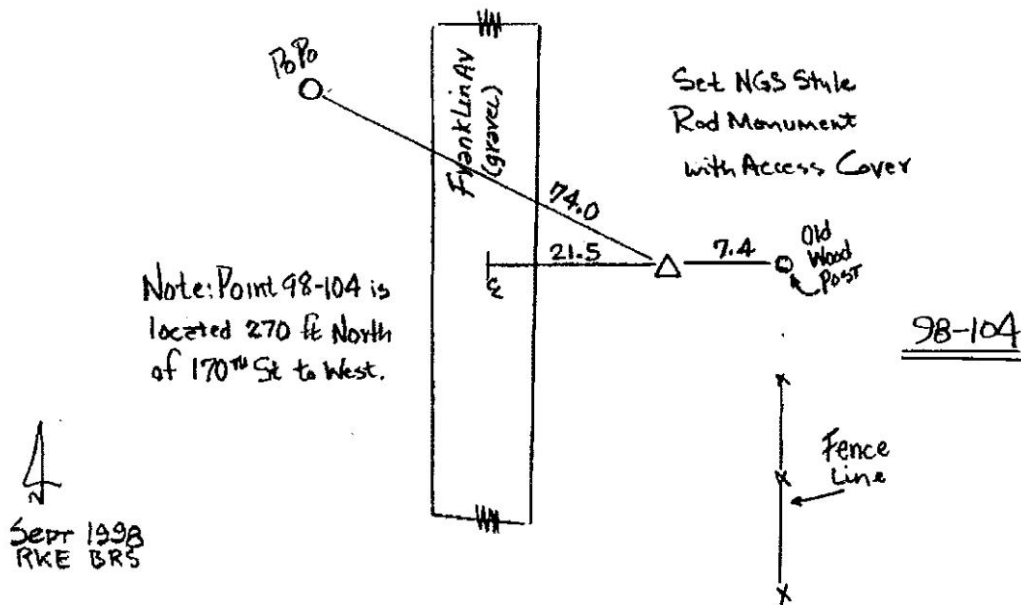
Mapping Angle: **0°19'17"** Combination Scale Factor: **0.9999001517**

laRCS Zone 5 Northing: **8946436.090sft** Easting: **15291718.938sft**

Mapping Angle: **-0°31'32"** Combination Scale Factor: **0.9999874016**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

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11/10/18

Point Name: **105**

Designation: Butler Co 98-105 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'55.65086"** Longitude: **W93°01'32.94886"**

NAVD 88 Ortho Height: **998.770sft** Ellip. Ht: **897.184sft** Geoid12B

Iowa North Zone (1401) Northing: **3730206.803sft** Easting: **5048646.095sft**

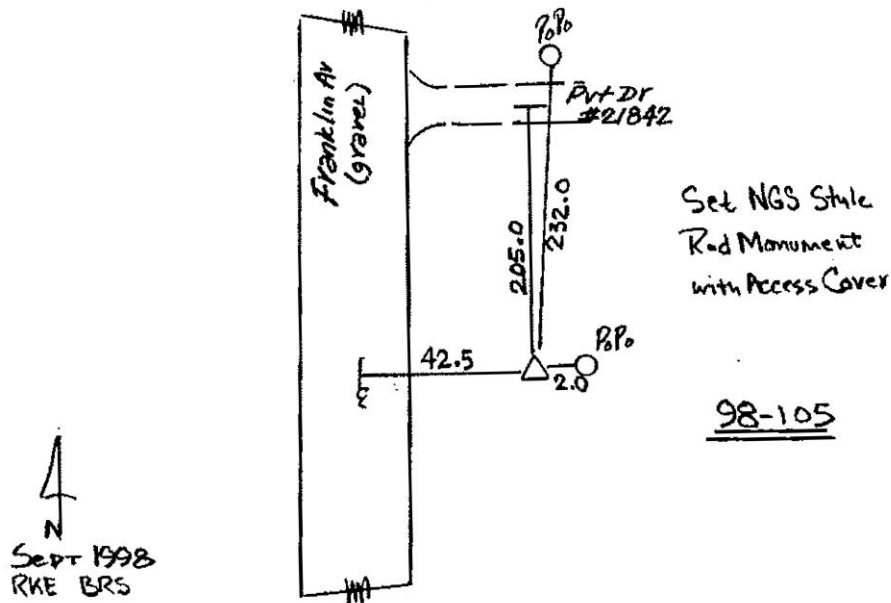
Mapping Angle: **0°19'17"** Combination Scale Factor: **0.9999031166**

IaRCS Zone 5 Northing: **8930888.265sft** Easting: **15291547.770sft**

Mapping Angle: **-0°31'32"** Combination Scale Factor: **0.9999901379**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

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Iowa State Plane North Zone (1401)

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US Survey Feet

11/10/18

Point Name: **106**

Designation: Butler Co 98-106 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'11.15694"** Longitude: **W93°01'34.21839"**

NAVD 88 Ortho Height: **1053.880sft** Ellip. Ht: **951.919sft** Geoid12B

Iowa North Zone (1401) Northing: **3713554.340sft** Easting: **5048644.684sft**

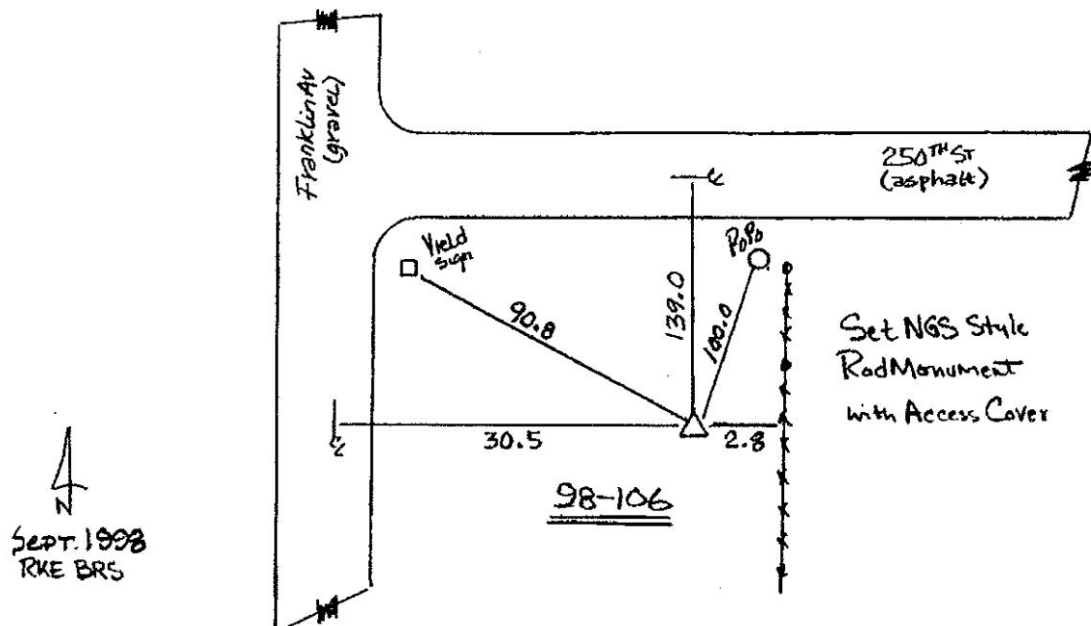
Mapping Angle: **0°19'16"** Combination Scale Factor: **0.9998999228**

IaRCS Zone 5 Northing: **8914236.195sft** Easting: **15291300.173sft**

Mapping Angle: **-0°31'33"** Combination Scale Factor: **0.9999866989**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

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US Survey Feet

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Point Name: **107**

Designation: Butler Co 98-107 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°38'35.46708"** Longitude: **W93°01'34.83973"**

NAVD 88 Ortho Height: **1091.960sft** Ellip. Ht: **989.652sft** Geoid12B

Iowa North Zone (1401) Northing: **3697793.521sft** Easting: **5048686.585sft**

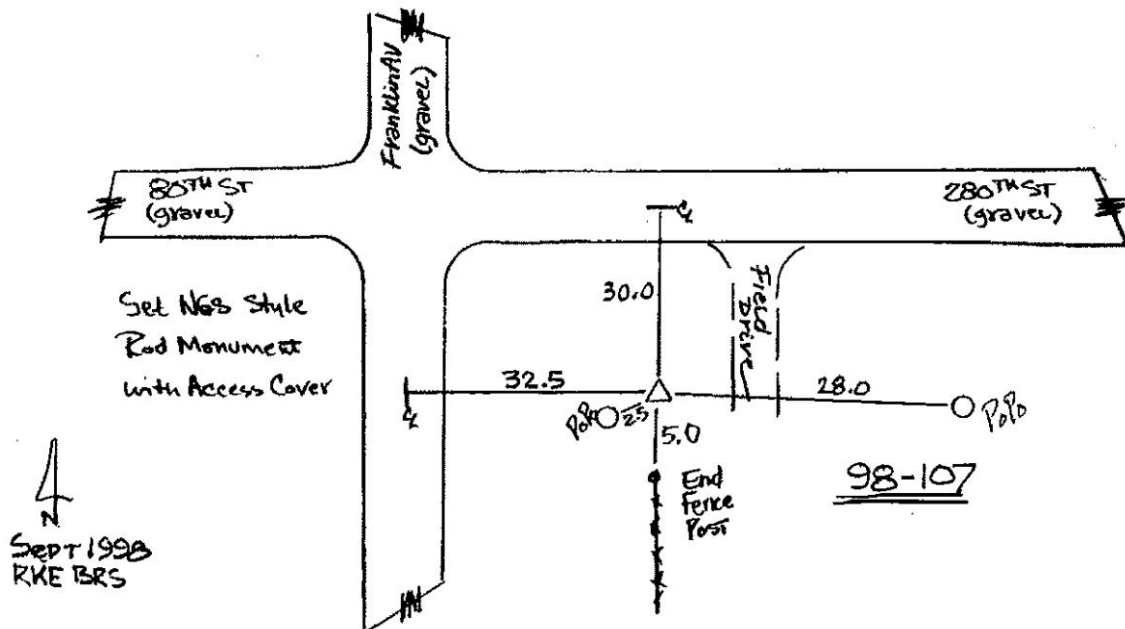
Mapping Angle: **0°19'16"** Combination Scale Factor: **0.9998981563**

IaRCS Zone 5 Northing: **8898475.113sft** Easting: **15291109.068sft**

Mapping Angle: **-0°31'34"** Combination Scale Factor: **0.9999847006**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **108**

Designation: Butler Co 98-108 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°36'01.69048"** Longitude: **W93°01'36.73799"**

NAVD 88 Ortho Height: **1026.970sft** Ellip. Ht: **924.313sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3682225.960sft** Easting: **5048631.840sft**

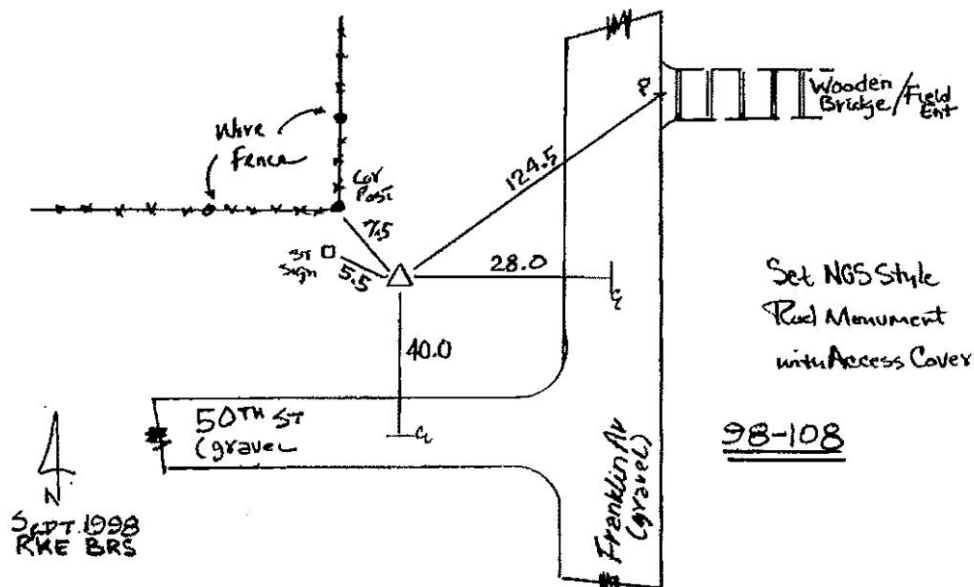
Mapping Angle: **0°19'14"** Combination Scale Factor: **0.9999018727**

IaRCS Zone 5 Northing: **8882908.717sft** Easting: **15290824.178sft**

Mapping Angle: **-0°31'35"** Combination Scale Factor: **0.9999881887**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **109**

Designation: Butler Co 98-109 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'26.51235"** Longitude: **W92°57'56.93815"**

NAVD 88 Ortho Height: **1080.030sft** Ellip. Ht: **979.117sft** Geoid**12B**

Iowa North Zone (1401) Northing: **3794167.064sft** Easting: **5064363.079sft**

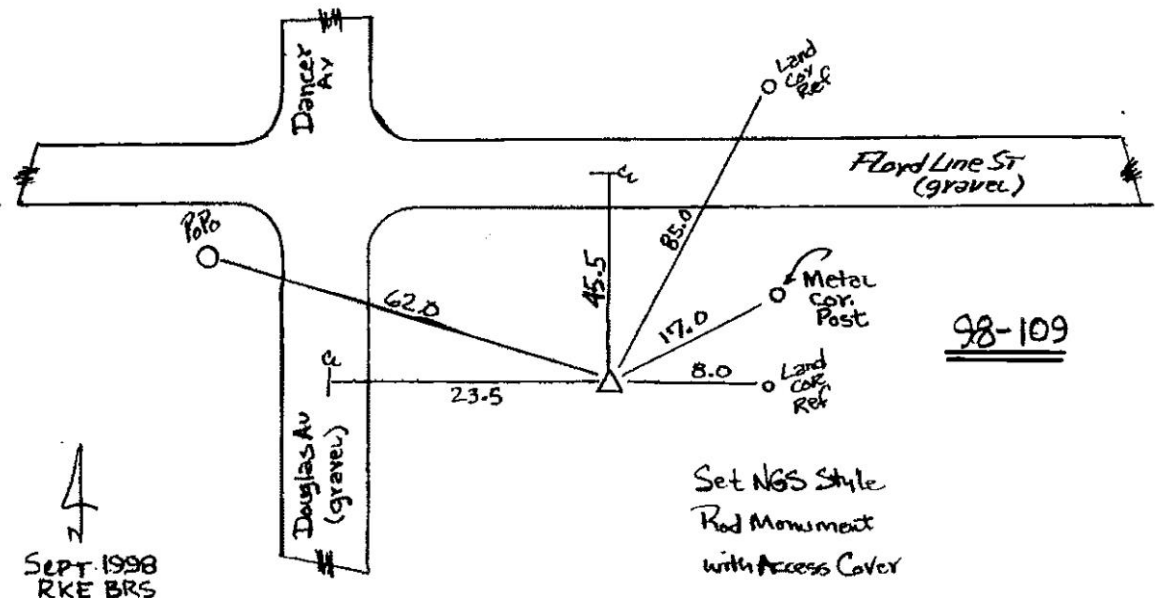
Mapping Angle: **0°21'43"** Combination Scale Factor: **0.9999073017**

IaRCS Zone 5 Northing: **8994614.775sft** Easting: **15308209.993sft**

Mapping Angle: **-0°29'06"** Combination Scale Factor: **0.9999952643**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **110**

Designation: Butler Co 98-110 (Set by ASI in 1998)

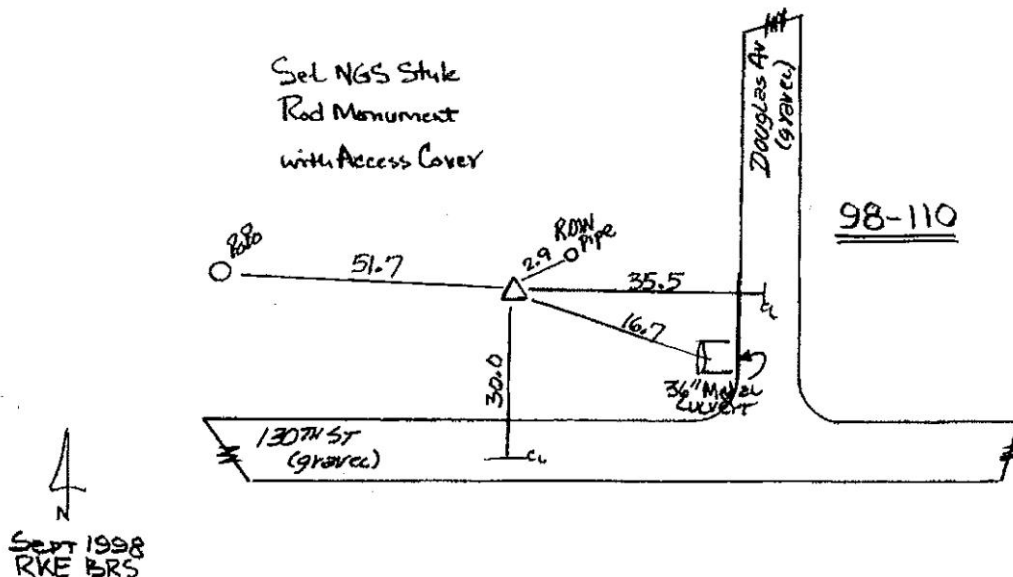
NAD 83(NA2011) Latitude: **N42°51'43.97128"** Longitude: **W92°57'58.38994"**
NAVD 88 Ortho Height: **1054.560sft** Ellip. Ht: **953.187sft** Geoid12B

Iowa North Zone (1401) Northing: **3777711.589sft** Easting: **5064358.936sft**
Mapping Angle: **0°21'42"** Combination Scale Factor: **0.9999055601**

IaRCS Zone 5 Northing: **8978159.713sft** Easting: **15307962.573sft**
Mapping Angle: **-0°29'07"** Combination Scale Factor: **0.9999932799**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanent magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **111**

Designation: Butler Co 98-111 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'06.91364"** Longitude: **W92°57'57.60426"**

NAVD 88 Ortho Height: **1026.040sft** Ellip. Ht: **924.231sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3761812.444sft** Easting: **5064517.880sft**

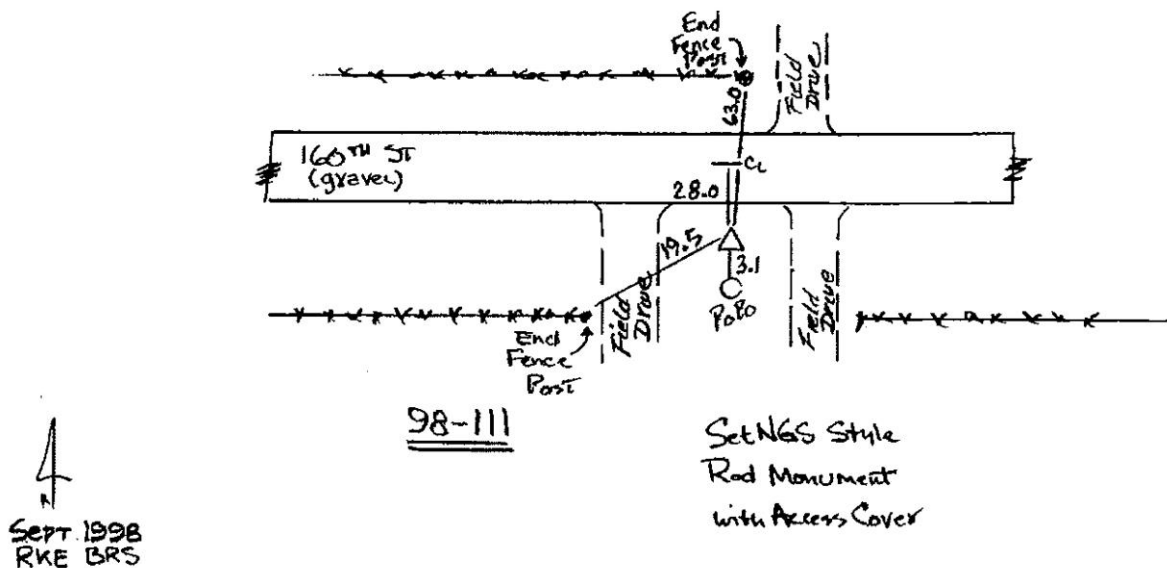
Mapping Angle: **0°21'43"** Combination Scale Factor: **0.9999046532**

IaRCS Zone 5 Northing: **8962258.564sft** Easting: **15307886.460sft**

Mapping Angle: **-0°29'06"** Combination Scale Factor: **0.9999921386**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **112**

Designation: Butler Co 98-112 (Set by ASI in 1998)

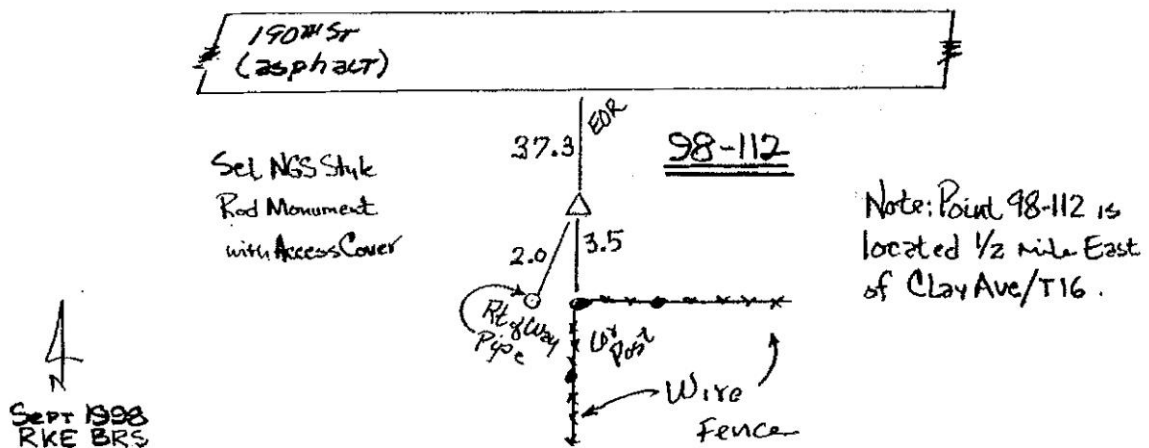
NAD 83(NA2011) Latitude: **N42°46'25.42716"** Longitude: **W92°57'58.27104"**
NAVD 88 Ortho Height: **976.650sft** Ellip. Ht: **874.440sft** Geoid12B

Iowa North Zone (1401) Northing: **3745464.429sft** Easting: **5064571.416sft**
Mapping Angle: **0°21'42"** Combination Scale Factor: **0.9999052814**

IaRCS Zone 5 Northing: **8945910.115sft** Easting: **15307698.305sft**
Mapping Angle: **-0°29'07"** Combination Scale Factor: **0.9999925260**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **113 (Destroyed)**

Designation: Butler Co 98-113 (Set by ASI in 1998)

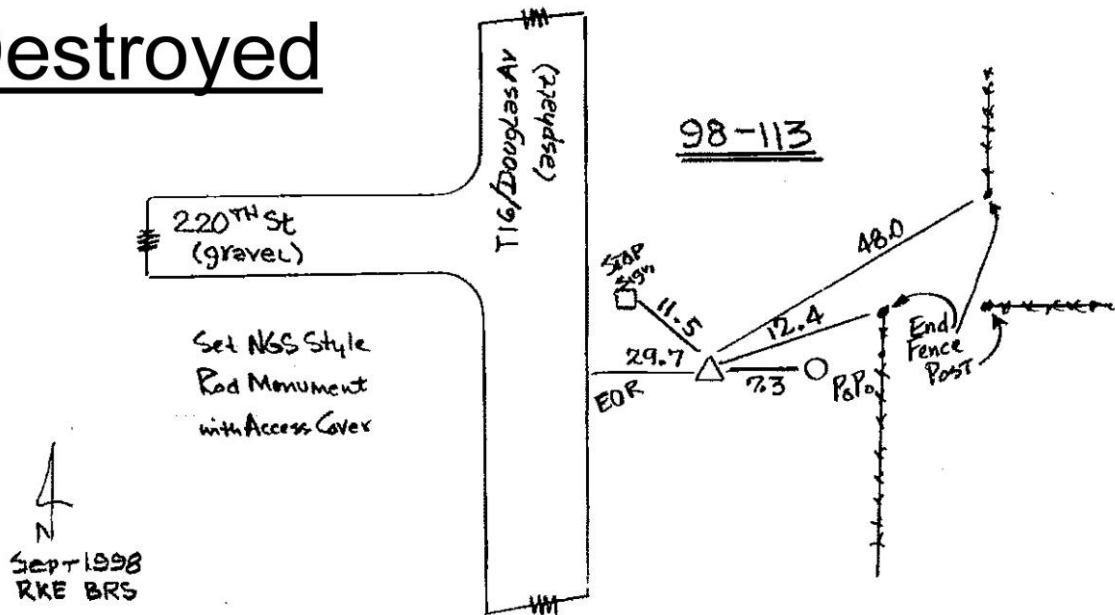
NAD 83(1996) Latitude: ~~42-43-49.390696N~~ Longitude: ~~92-57-58.223093W~~
NAVD 88 Ortho Height: ~~971.140sft~~ Ellip. Ht: ~~869.233sft~~

Iowa North Zone (1401) Northing: ~~3729668.620sft~~ Easting: ~~5064674.740sft~~
Mapping Angle: ~~0-21-42.27~~ Combination Scale Factor: ~~0.9999043900~~

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998

Destroyed



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **114**

Designation: Butler Co 98-114 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'10.80707"** Longitude: **W92°58'01.23778"**

NAVD 88 Ortho Height: **1019.867sft** Ellip. Ht: **917.000sft** Geoid12B

Iowa North Zone (1401) Northing: **3713613.640sft** Easting: **5064550.963sft**

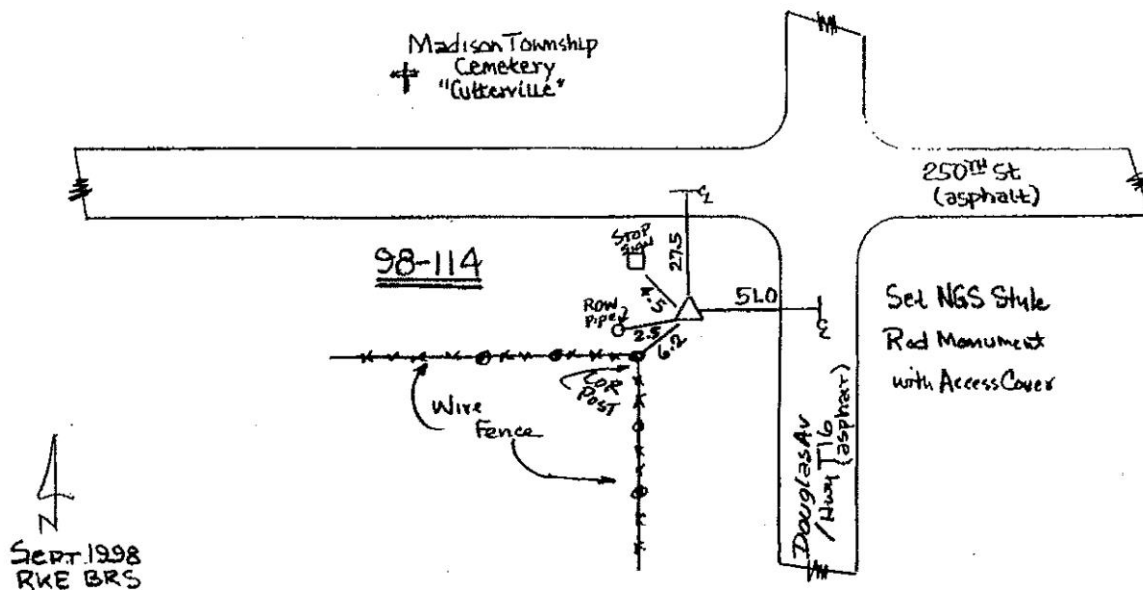
Mapping Angle: **0°21'40"** Combination Scale Factor: **0.9999015912**

IaRCS Zone 5 Northing: **8914060.338sft** Easting: **15307206.971sft**

Mapping Angle: **-0°29'09"** Combination Scale Factor: **0.9999883669**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **115**

Designation: Butler Co 98-1115 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°38'31.41897"** Longitude: **W92°58'00.97526"**

NAVD 88 Ortho Height: **1110.000sft** Ellip. Ht: **1006.824sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3697478.899sft** Easting: **5064672.310sft**

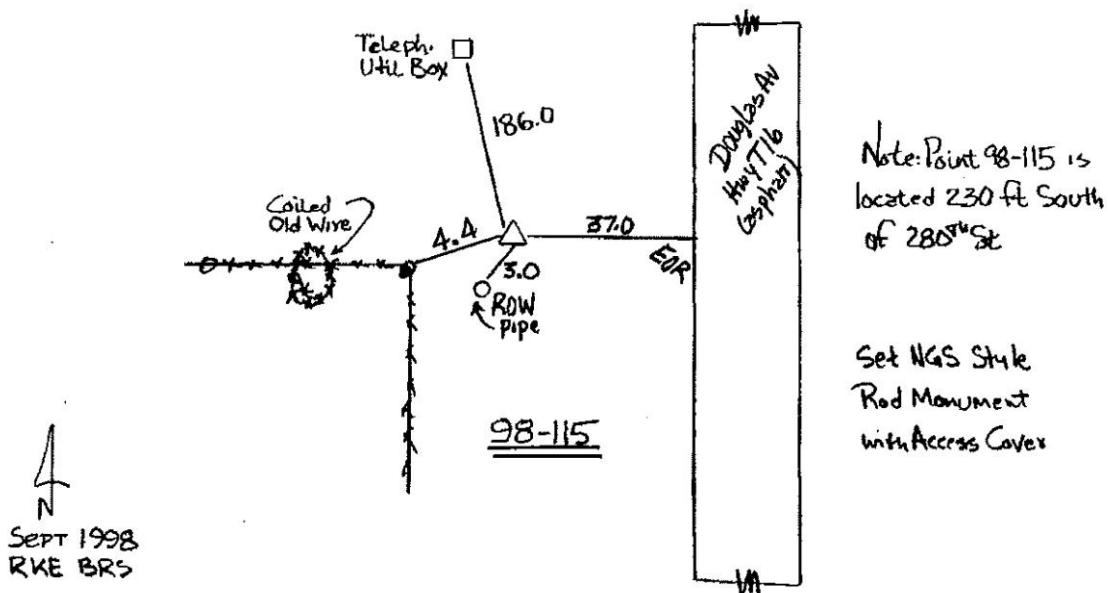
Mapping Angle: **0°21'41"** Combination Scale Factor: **0.9998973441**

IaRCS Zone 5 Northing: **8897924.167sft** Easting: **15307089.778sft**

Mapping Angle: **-0°29'09"** Combination Scale Factor: **0.9999838823**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **116**

Designation: Butler Co 98-116 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°35'59.96384"** Longitude: **W92°57'58.71615"**

NAVD 88 Ortho Height: **1038.760sft** Ellip. Ht: **935.274sft** Geoid12B

Iowa North Zone (1401) Northing: **3682148.267sft** Easting: **5064937.936sft**

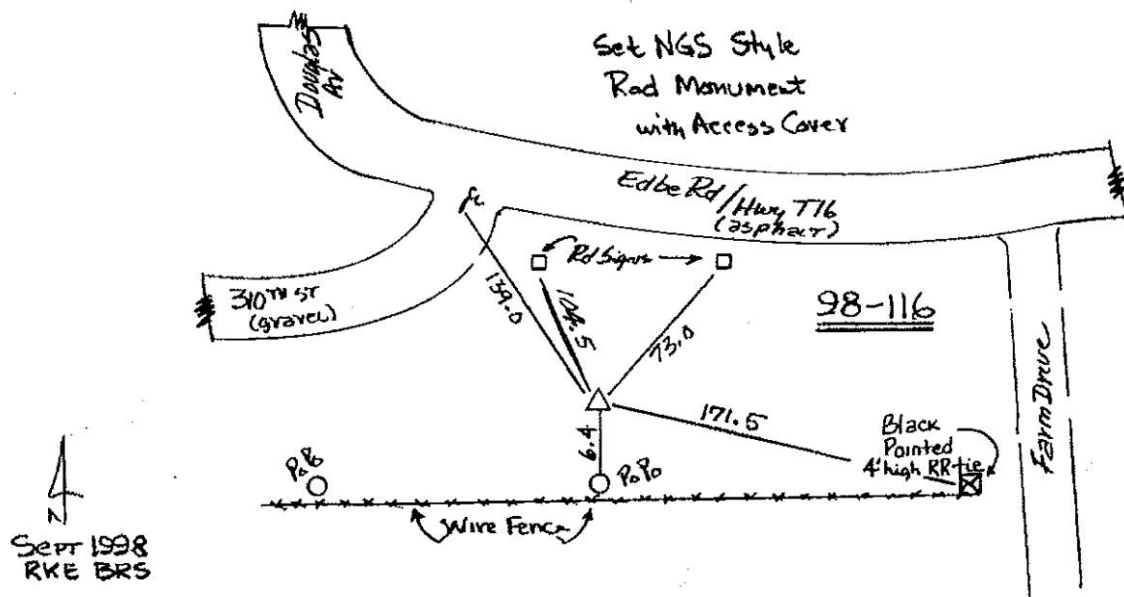
Mapping Angle: **0°21'42"** Combination Scale Factor: **0.9999013586**

IaRCS Zone 5 Northing: **8882589.959sft** Easting: **15307128.751sft**

Mapping Angle: **-0°29'07"** Combination Scale Factor: **0.9999876720**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **117**

Designation: Butler Co 98-117 (Set by ASI in 1998)

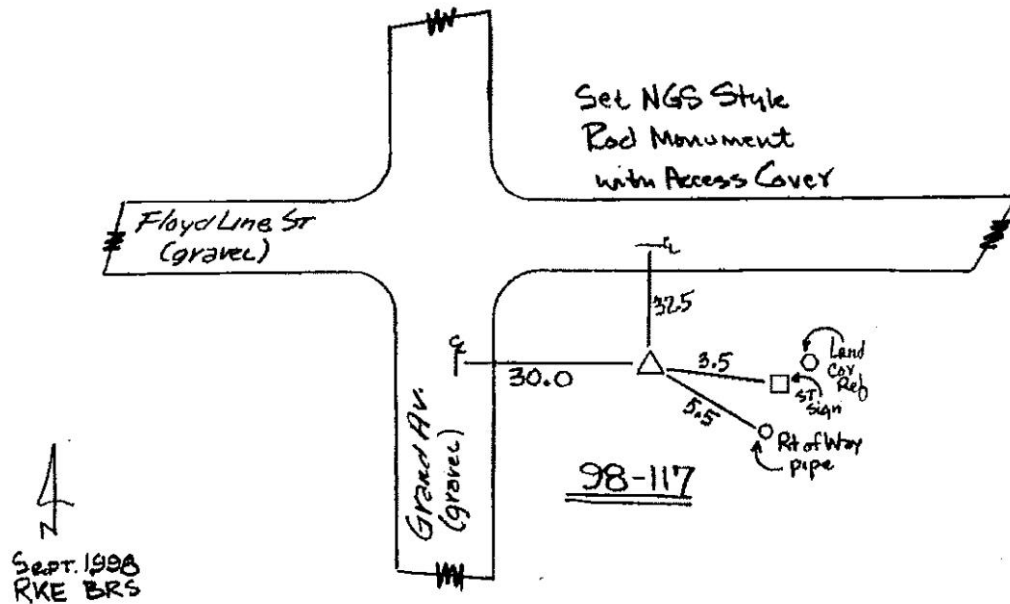
NAD 83(NA2011) Latitude: **N42°54'26.20664"** Longitude: **W92°54'24.09446"**
NAVD 88 Ortho Height: **1049.860sft** Ellip. Ht: **948.030sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3794241.742sft** Easting: **5080202.745sft**
Mapping Angle: **0°24'08"** Combination Scale Factor: **0.9999087813**

laRCS Zone 5 Northing: **8994455.275sft** Easting: **15324050.426sft**
Mapping Angle: **-0°26'42"** Combination Scale Factor: **0.9999967436**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **118**

Designation: Butler Co 98-118 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'43.23040"** Longitude: **W92°54'23.78117"**

NAVD 88 Ortho Height: **1081.440sft** Ellip. Ht: **979.192sft** Geoid12B

Iowa North Zone (1401) Northing: **3777743.136sft** Easting: **5080341.869sft**

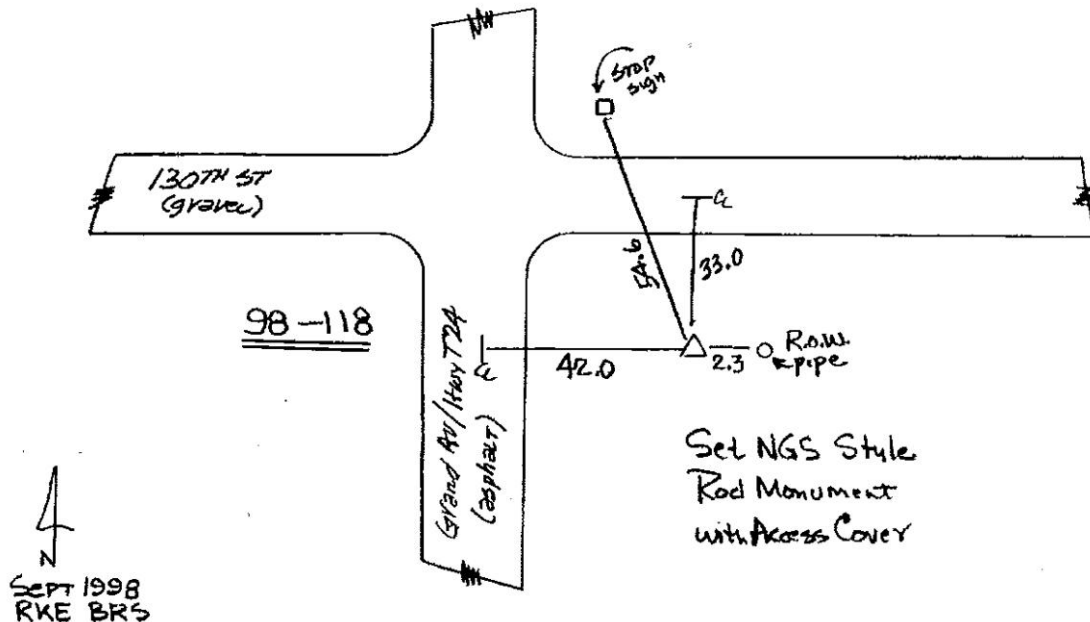
Mapping Angle: **0°24'08"** Combination Scale Factor: **0.9999043050**

IaRCS Zone 5 Northing: **8977954.966sft** Easting: **15323945.628sft**

Mapping Angle: **-0°26'42"** Combination Scale Factor: **0.9999920236**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **119**

Designation: Butler Co 98-119 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'07.15946"** Longitude: **W92°54'24.59470"**

NAVD 88 Ortho Height: **1031.810sft** Ellip. Ht: **929.190sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3761943.159sft** Easting: **5080392.143sft**

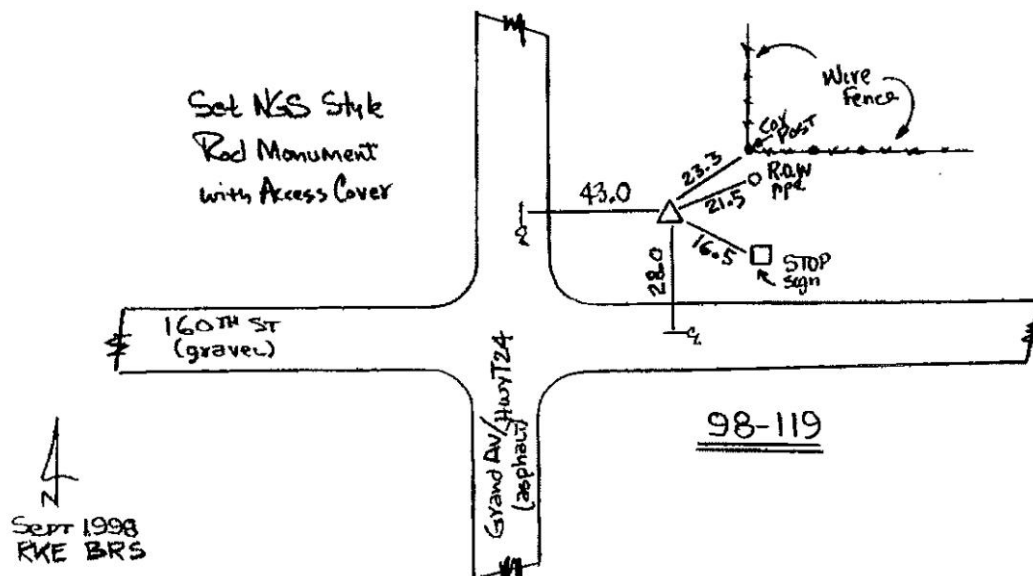
Mapping Angle: **0°24'07"** Combination Scale Factor: **0.9999044193**

IaRCS Zone 5 Northing: **8962154.588sft** Easting: **15323762.310sft**

Mapping Angle: **-0°26'42"** Combination Scale Factor: **0.9999919051**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **120**

Designation: Butler Co 98-120 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'25.95137"** Longitude: **W92°54'27.01731"**

NAVD 88 Ortho Height: **1033.110sft** Ellip. Ht: **930.143sft** Geoid**12B**

Iowa North Zone (1401) Northing: **3745622.449sft** Easting: **5080325.978sft**

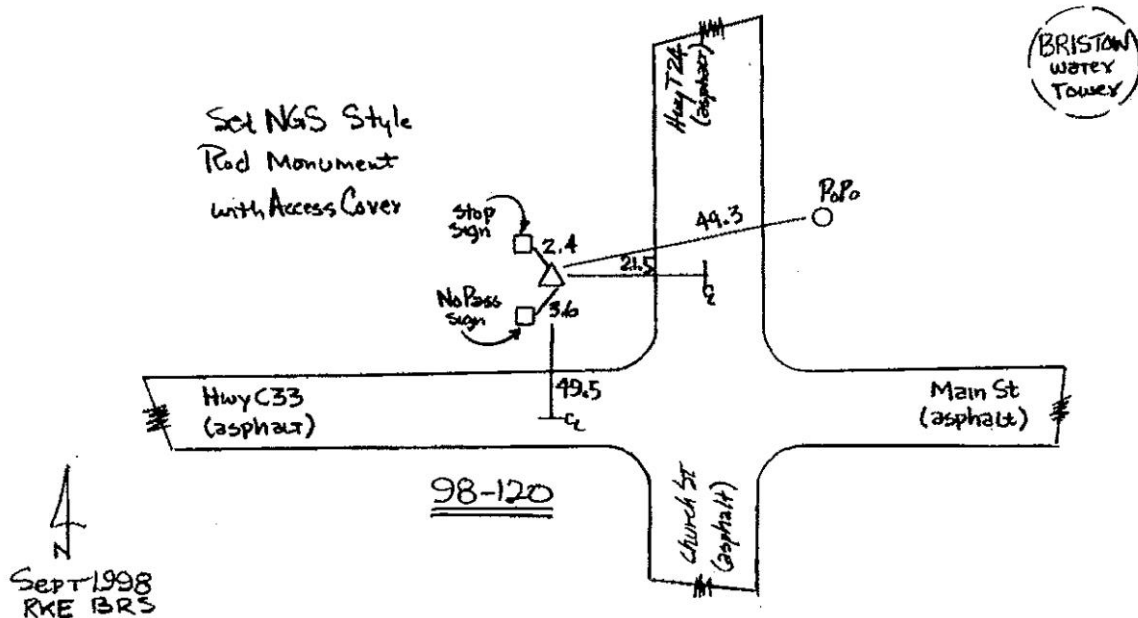
Mapping Angle: **0°24'06"** Combination Scale Factor: **0.9999026238**

laRCS Zone 5 Northing: **8945835.214sft** Easting: **15323454.856sft**

Mapping Angle: **-0°26'44"** Combination Scale Factor: **0.9999898690**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **121**

Designation: Butler Co 98-121 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'43.20336"** Longitude: **W92°54'14.41312"**

NAVD 88 Ortho Height: **964.490sft** Ellip. Ht: **861.155sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3729153.881sft** Easting: **5081382.123sft**

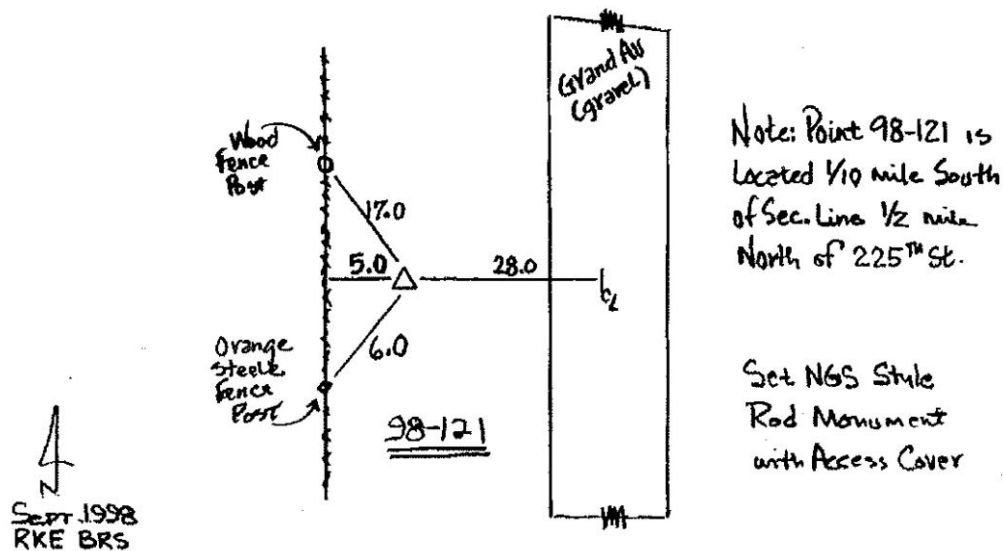
Mapping Angle: **0°24'14"** Combination Scale Factor: **0.9999047727**

IaRCS Zone 5 Northing: **8929351.397sft** Easting: **15324267.503sft**

Mapping Angle: **-0°26'35"** Combination Scale Factor: **0.9999917756**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **122**

Designation: Butler Co 98-122 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'14.26721"** Longitude: **W92°54'26.75010"**

NAVD 88 Ortho Height: **955.340sft** Ellip. Ht: **851.771sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3714070.548sft** Easting: **5080567.071sft**

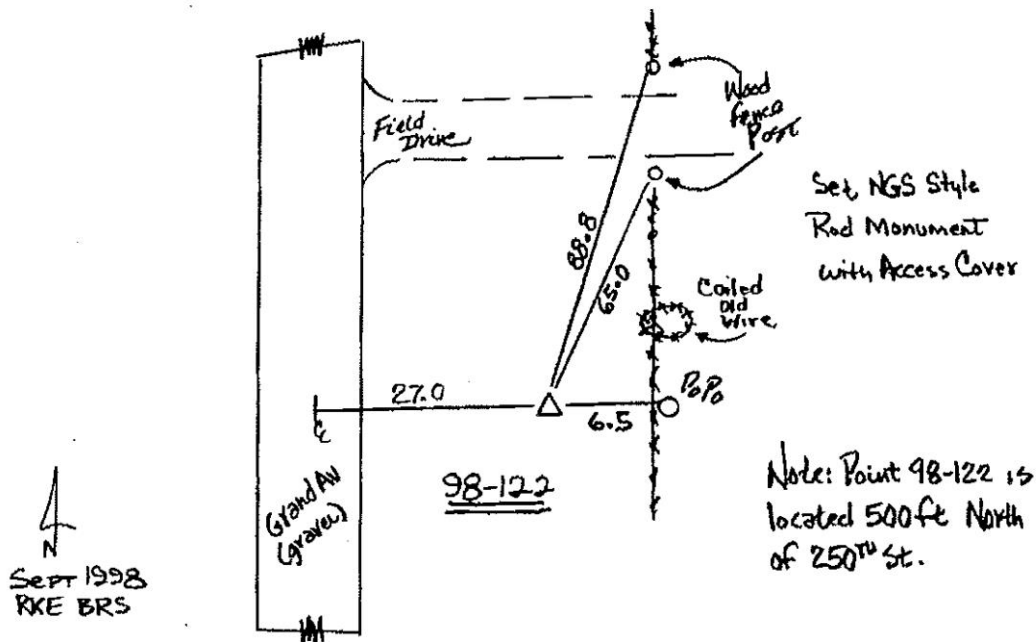
Mapping Angle: **0°24'06"** Combination Scale Factor: **0.9999047143**

IaRCS Zone 5 Northing: **8914280.451sft** Easting: **15323229.473sft**

Mapping Angle: **-0°26'44"** Combination Scale Factor: **0.9999914955**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **123**

Designation: Butler Co 98-123 (Set by ASI in 1998)

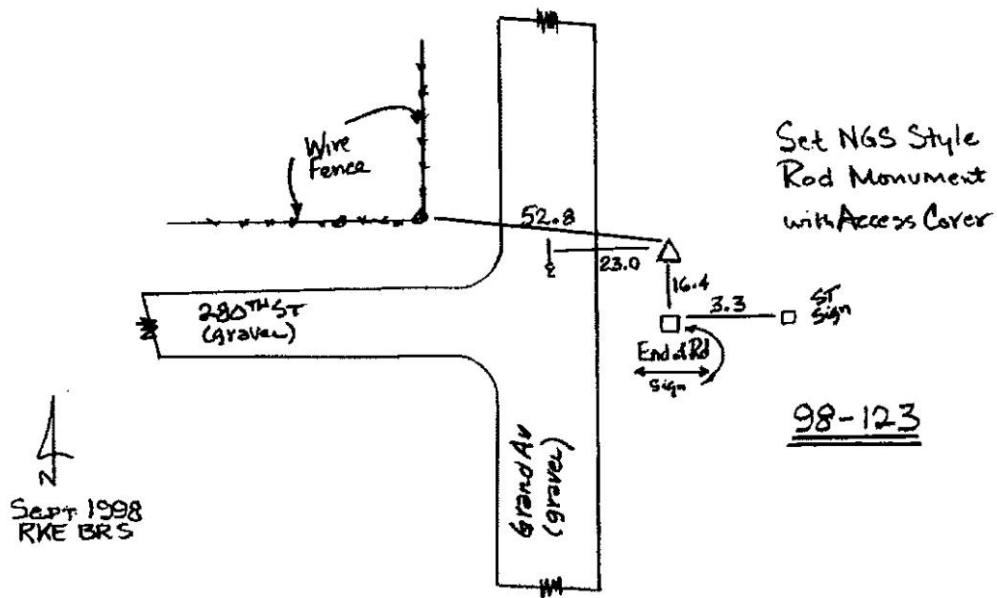
NAD 83(NA2011) Latitude: **N42°38'33.94141"** Longitude: **W92°54'28.03034"**
NAVD 88 Ortho Height: **977.540sft** Ellip. Ht: **873.723sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3697840.163sft** Easting: **5080585.155sft**
Mapping Angle: **0°24'05"** Combination Scale Factor: **0.9999037003**

IaRCS Zone 5 Northing: **8898050.166sft** Easting: **15323007.603sft**
Mapping Angle: **-0°26'44"** Combination Scale Factor: **0.9999902428**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **124**

Designation: Butler Co 98-124 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°35'54.44190"** Longitude: **W92°54'27.94228"**

NAVD 88 Ortho Height: **1015.250sft** Ellip. Ht: **911.197sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3681694.261sft** Easting: **5080704.849sft**

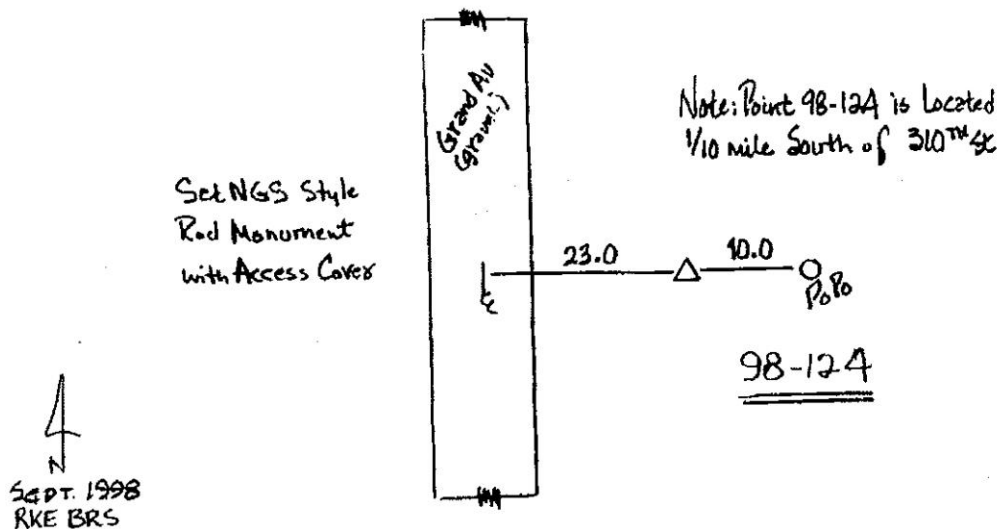
Mapping Angle: **0°24'05"** Combination Scale Factor: **0.9999025412**

IaRCS Zone 5 Northing: **8881902.863sft** Easting: **15322888.590sft**

Mapping Angle: **-0°26'44"** Combination Scale Factor: **0.9999888465**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **125**

Designation: Butler Co 98-125 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'26.58251"** Longitude: **W92°50'39.28166"**

NAVD 88 Ortho Height: **984.300sft** Ellip. Ht: **881.769sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3794403.389sft** Easting: **5096932.558sft**

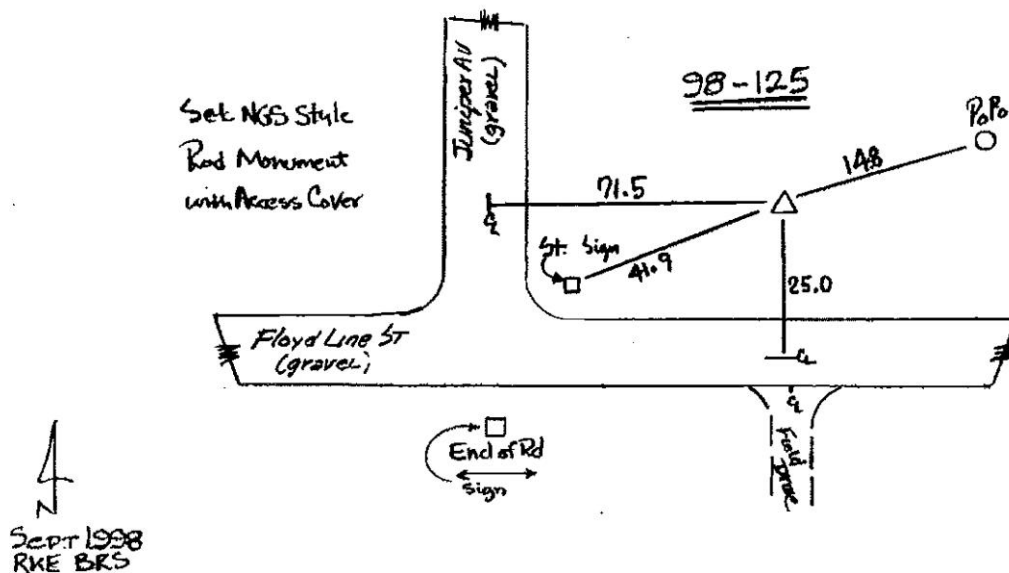
Mapping Angle: **0°26'40"** Combination Scale Factor: **0.9999119558**

IaRCS Zone 5 Northing: **8994369.579sft** Easting: **15340782.272sft**

Mapping Angle: **-0°24'09"** Combination Scale Factor: **0.9999999189**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **126**

Designation: Butler Co 98-126 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'43.26975"** Longitude: **W92°50'59.20409"**

NAVD 88 Ortho Height: **1026.670sft** Ellip. Ht: **923.790sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3777859.182sft** Easting: **5095577.139sft**

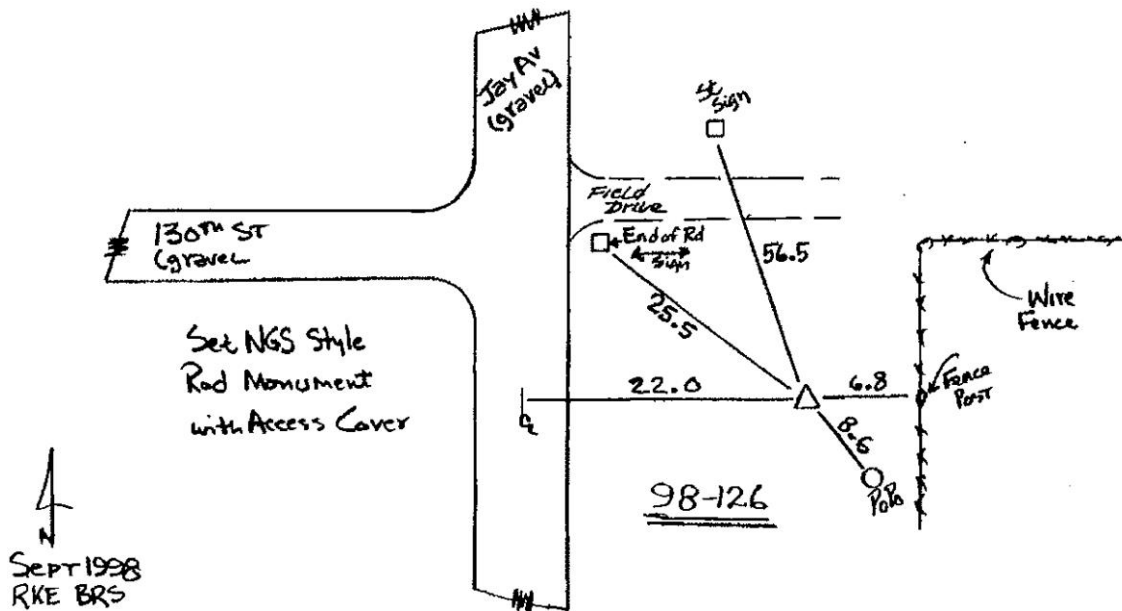
Mapping Angle: **0°26'26"** Combination Scale Factor: **0.9999069535**

IaRCS Zone 5 Northing: **8977845.766sft** Easting: **15339182.285sft**

Mapping Angle: **-0°24'23"** Combination Scale Factor: **0.9999946724**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **127**

Designation: Butler Co 98-127 (Set by ASI in 1998)

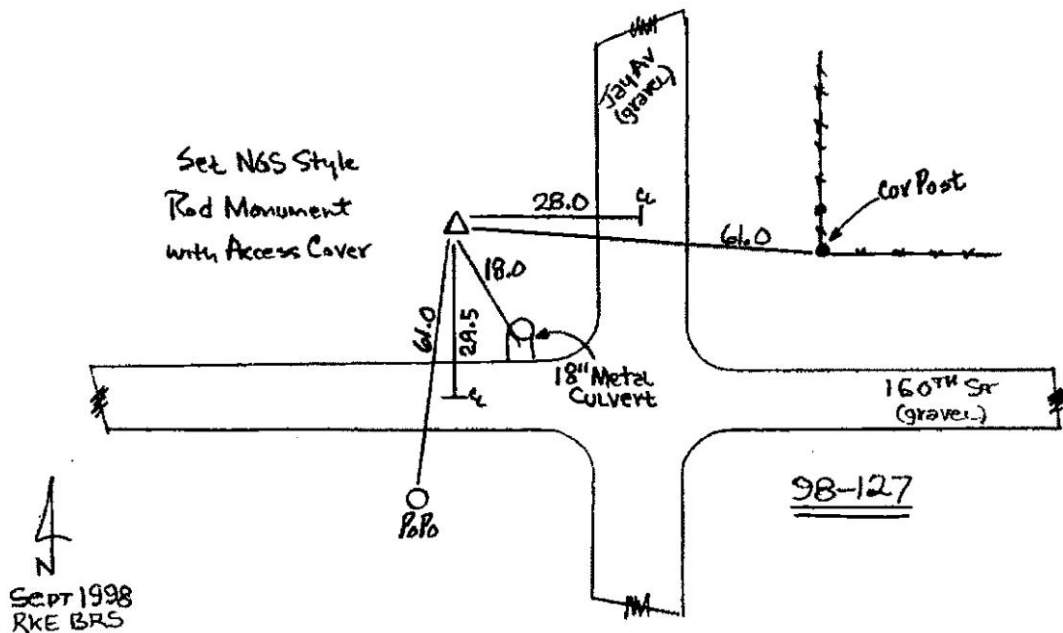
NAD 83(NA2011) Latitude: **N42°49'06.65096"** Longitude: **W92°50'58.70791"**
NAVD 88 Ortho Height: **1060.060sft** Ellip. Ht: **956.849sft** Geoid12B

Iowa North Zone (1401) Northing: **3762004.532sft** Easting: **5095736.065sft**
Mapping Angle: **0°26'27"** Combination Scale Factor: **0.9999030909**

IaRCS Zone 5 Northing: **8961989.110sft** Easting: **15339106.805sft**
Mapping Angle: **-0°24'23"** Combination Scale Factor: **0.9999905758**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **128**

Designation: Butler Co 98-128 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'39.64539"** Longitude: **W92°50'58.45611"**

NAVD 88 Ortho Height: **1030.128sft** Ellip. Ht: **926.633sft** Geoid12B

Iowa North Zone (1401) Northing: **3747123.054sft** Easting: **5095869.330sft**

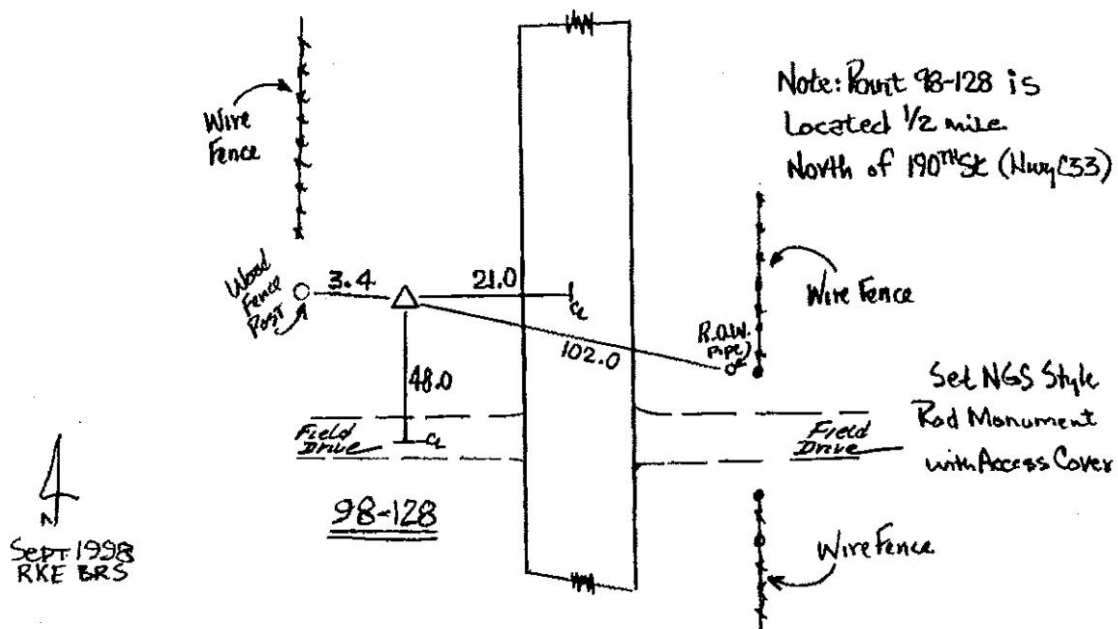
Mapping Angle: **0°26'27"** Combination Scale Factor: **0.9999029165**

IaRCS Zone 5 Northing: **8947105.988sft** Easting: **15339020.051sft**

Mapping Angle: **-0°24'22"** Combination Scale Factor: **0.9999901821**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **129**

Designation: Butler Co 98-129 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'49.26316"** Longitude: **W92°50'58.40819"**

NAVD 88 Ortho Height: **972.080sft** Ellip. Ht: **868.290sft** Geoid12B

Iowa North Zone (1401) Northing: **3729875.157sft** Easting: **5096005.612sft**

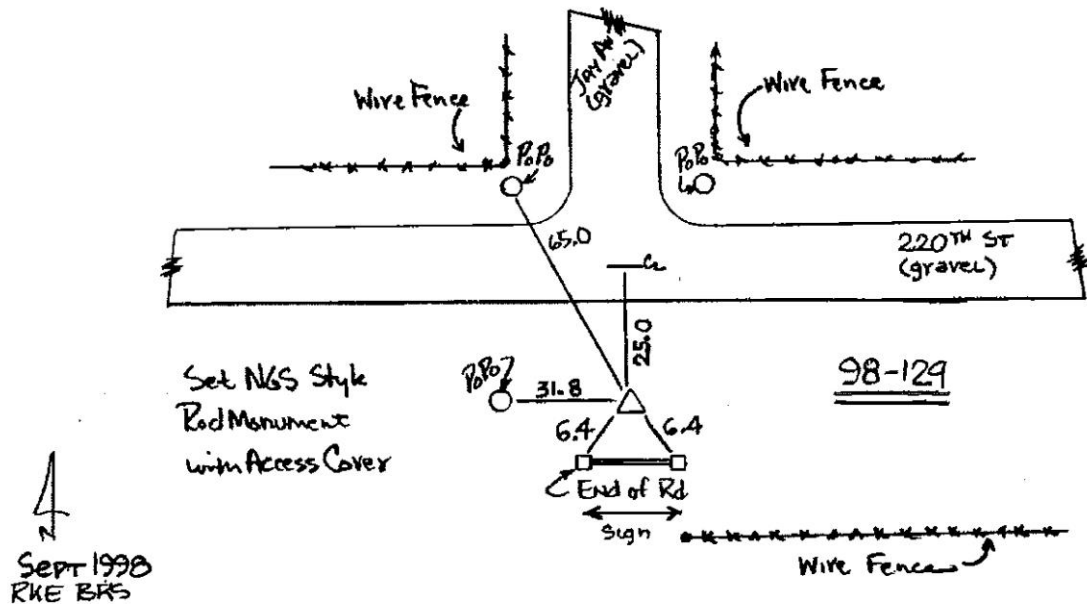
Mapping Angle: **0°26'27"** Combination Scale Factor: **0.9999044633**

IaRCS Zone 5 Northing: **8929856.458sft** Easting: **15338901.329sft**

Mapping Angle: **-0°24'22"** Combination Scale Factor: **0.9999914752**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **130**

Designation: Butler Co 98-130 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'10.80831"** Longitude: **W92°50'56.92805"**

NAVD 88 Ortho Height: **940.460sft** Ellip. Ht: **836.427sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3713835.646sft** Easting: **5096239.569sft**

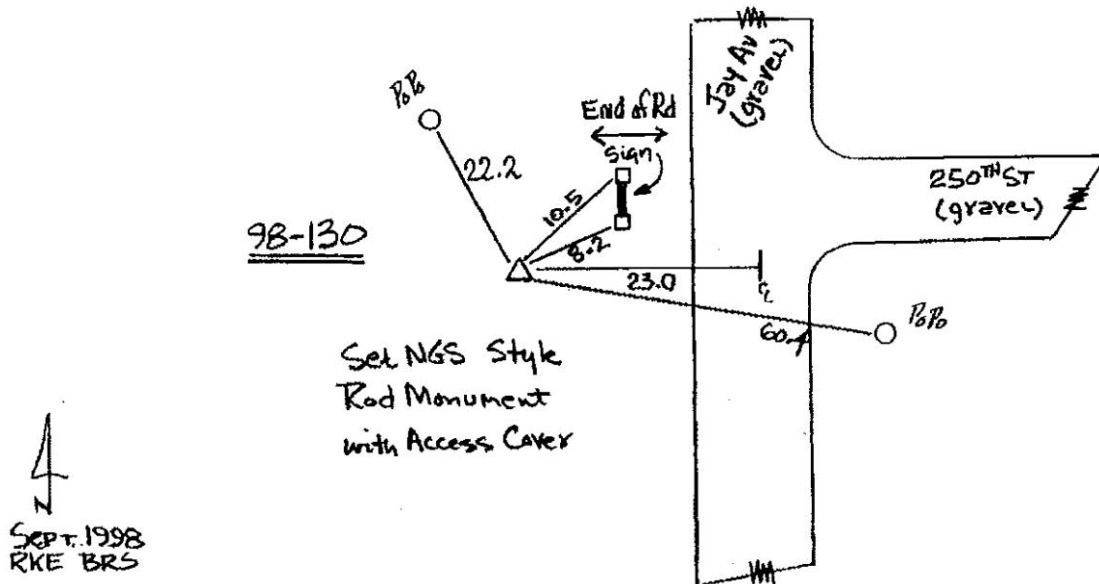
Mapping Angle: **0°26'28"** Combination Scale Factor: **0.9999054421**

IaRCS Zone 5 Northing: **8913813.846sft** Easting: **15338898.146sft**

Mapping Angle: **-0°24'21"** Combination Scale Factor: **0.9999922182**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **131**

Designation: Butler Co 98-131 (Set by ASI in 1998)

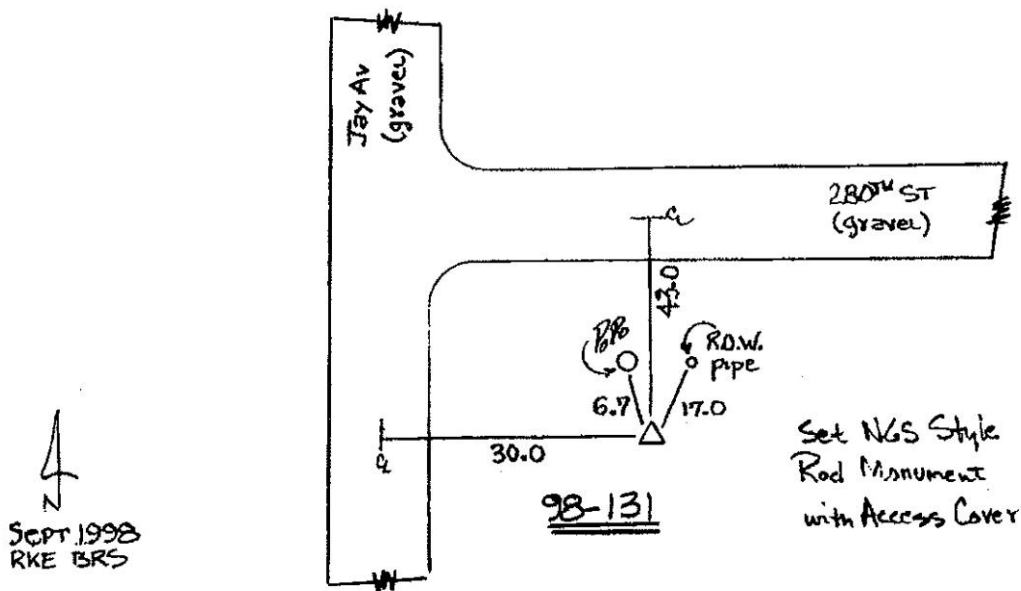
NAD 83(NA2011) Latitude: **N42°38'33.10250"** Longitude: **W92°50'57.66073"**
NAVD 88 Ortho Height: **966.990sft** Ellip. Ht: **862.778sft** Geoid12B

Iowa North Zone (1401) Northing: **3697870.813sft** Easting: **5096307.722sft**
Mapping Angle: **0°26'28"** Combination Scale Factor: **0.9999042252**

IaRCS Zone 5 Northing: **8897848.367sft** Easting: **15338730.266sft**
Mapping Angle: **-0°24'22"** Combination Scale Factor: **0.9999907665**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **132**

Designation: Butler Co 98-132 (Set by ASI in 1998)

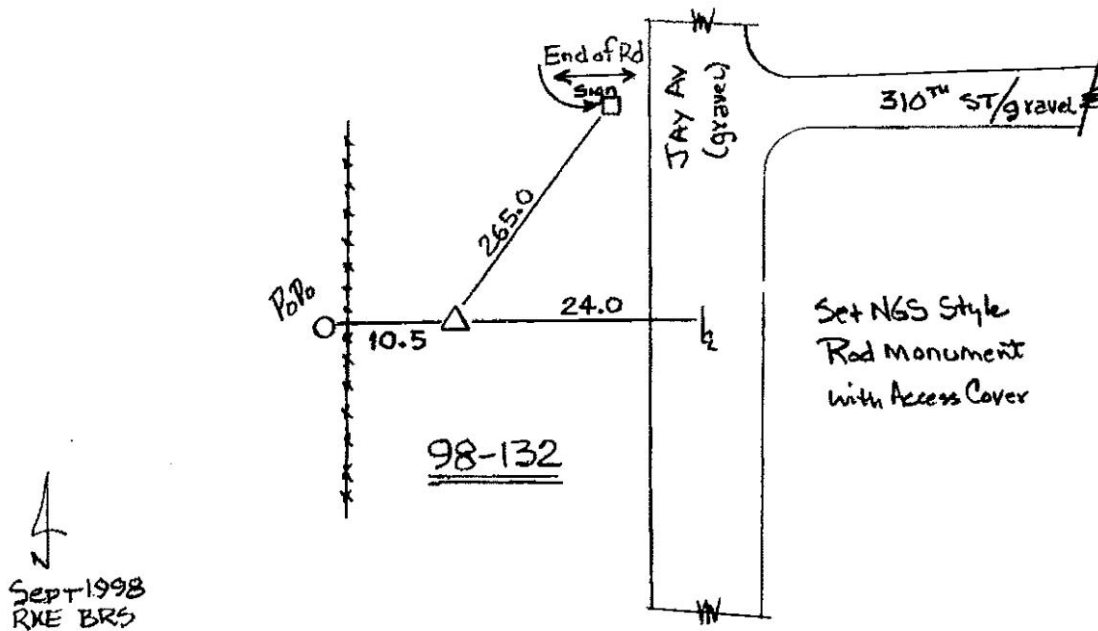
NAD 83(NA2011) Latitude: **N42°35'55.52243"** Longitude: **W92°50'59.57622"**
NAVD 88 Ortho Height: **959.900sft** Ellip. Ht: **855.523sft** Geoid12B

Iowa North Zone (1401) Northing: **3681918.146sft** Easting: **5096287.241sft**
Mapping Angle: **0°26'26"** Combination Scale Factor: **0.9999051959**

IaRCS Zone 5 Northing: **8881896.368sft** Easting: **15338473.934sft**
Mapping Angle: **-0°24'23"** Combination Scale Factor: **0.9999915030**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **133**

Designation: Butler Co 98-133 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'23.24965"** Longitude: **W92°48'01.45640"**

NAVD 88 Ortho Height: **999.540sft** Ellip. Ht: **896.659sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3794160.142sft** Easting: **5108680.305sft**

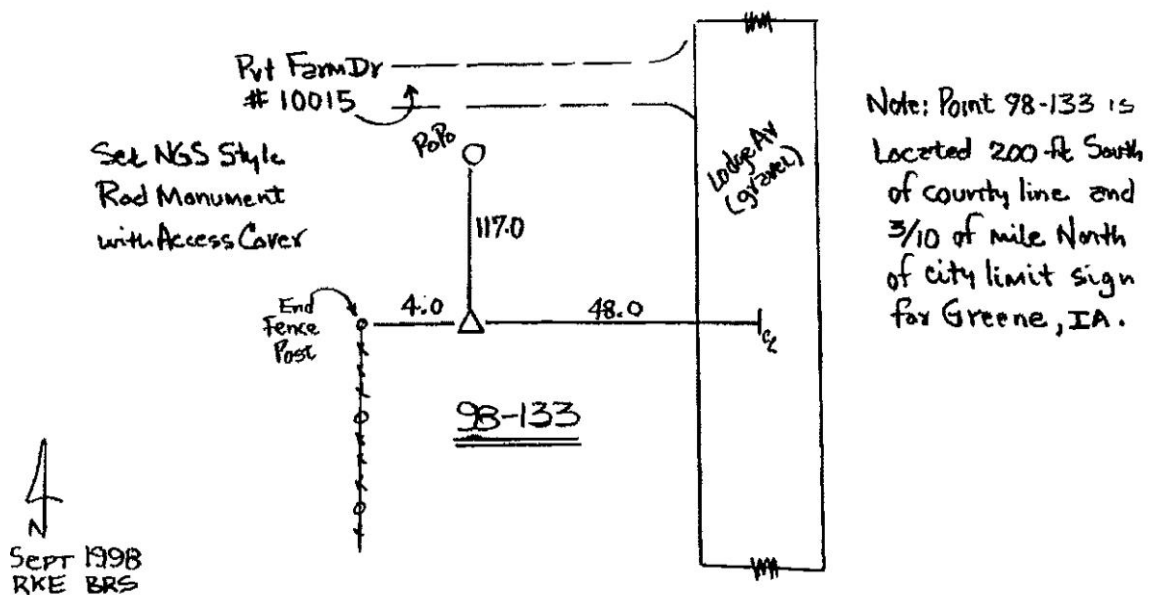
Mapping Angle: **0°28'27"** Combination Scale Factor: **0.9999111767**

IaRCS Zone 5 Northing: **8993952.651sft** Easting: **15352526.173sft**

Mapping Angle: **-0°22'22"** Combination Scale Factor: **0.9999991349**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **134**

Designation: Butler Co 98-134 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'54.16529"** Longitude: **W92°47'25.95547"**

NAVD 88 Ortho Height: **961.740sft** Ellip. Ht: **858.430sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3779089.880sft** Easting: **5111448.886sft**

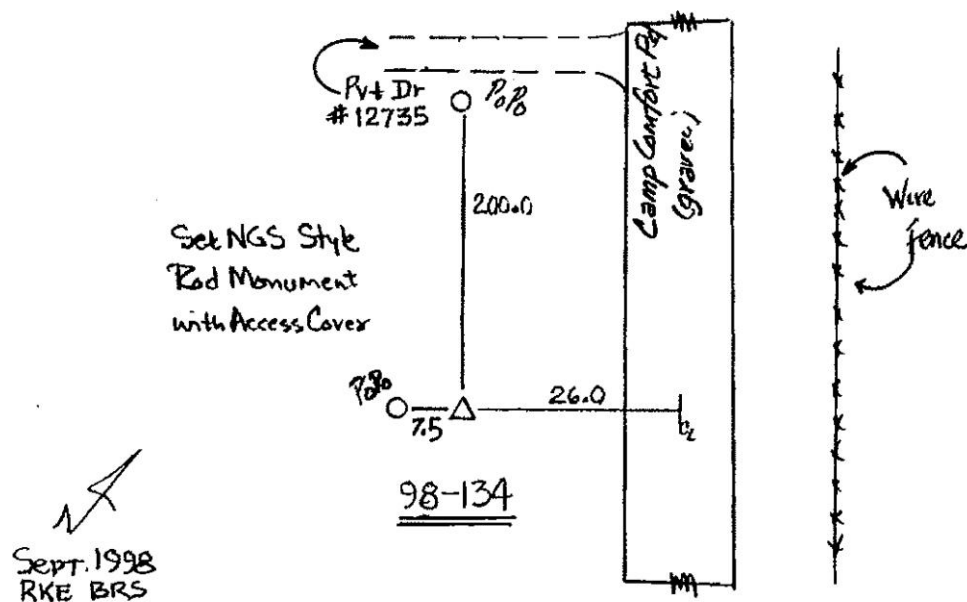
Mapping Angle: **0°28'51"** Combination Scale Factor: **0.9999102576**

laRCS Zone 5 Northing: **8978841.780sft** Easting: **15355071.884sft**

Mapping Angle: **-0°21'58"** Combination Scale Factor: **0.9999979930**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **135**

Designation: Butler Co 98-135 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'06.80453"** Longitude: **W92°47'25.93115"**

NAVD 88 Ortho Height: **1038.890sft** Ellip. Ht: **935.263sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3762147.612sft** Easting: **5111592.882sft**

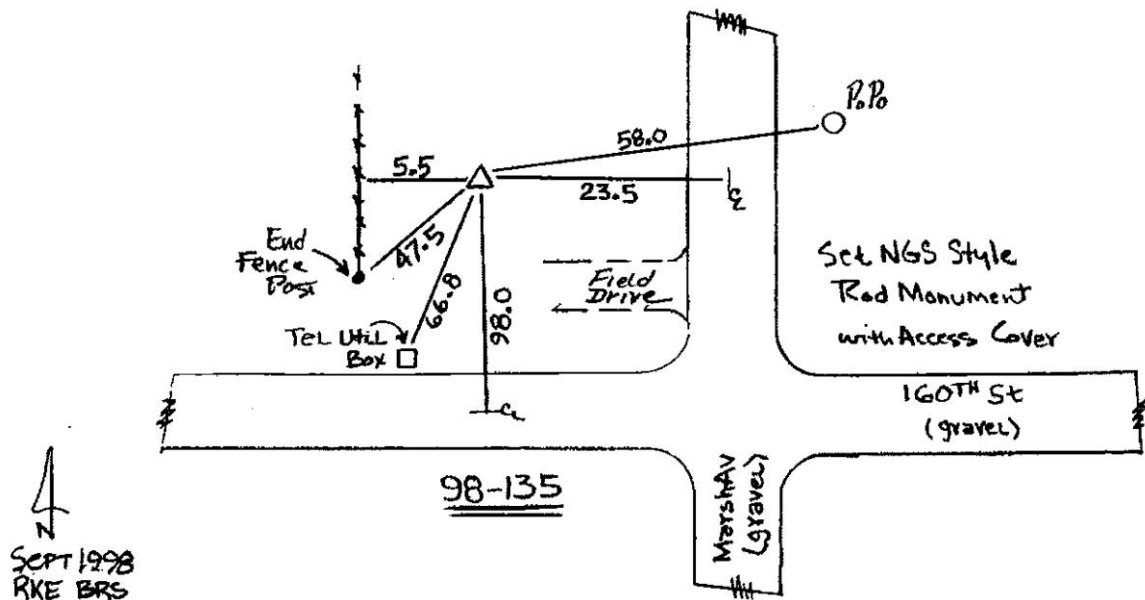
Mapping Angle: **0°28'51"** Combination Scale Factor: **0.9999041246**

IaRCS Zone 5 Northing: **8961897.750sft** Easting: **15354965.391sft**

Mapping Angle: **-0°21'58"** Combination Scale Factor: **0.9999916097**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **136**

Designation: Butler Co 98-136 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'26.35242"** Longitude: **W92°47'25.58047"**

NAVD 88 Ortho Height: **1006.122sft** Ellip. Ht: **902.243sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3745905.090sft** Easting: **5111755.349sft**

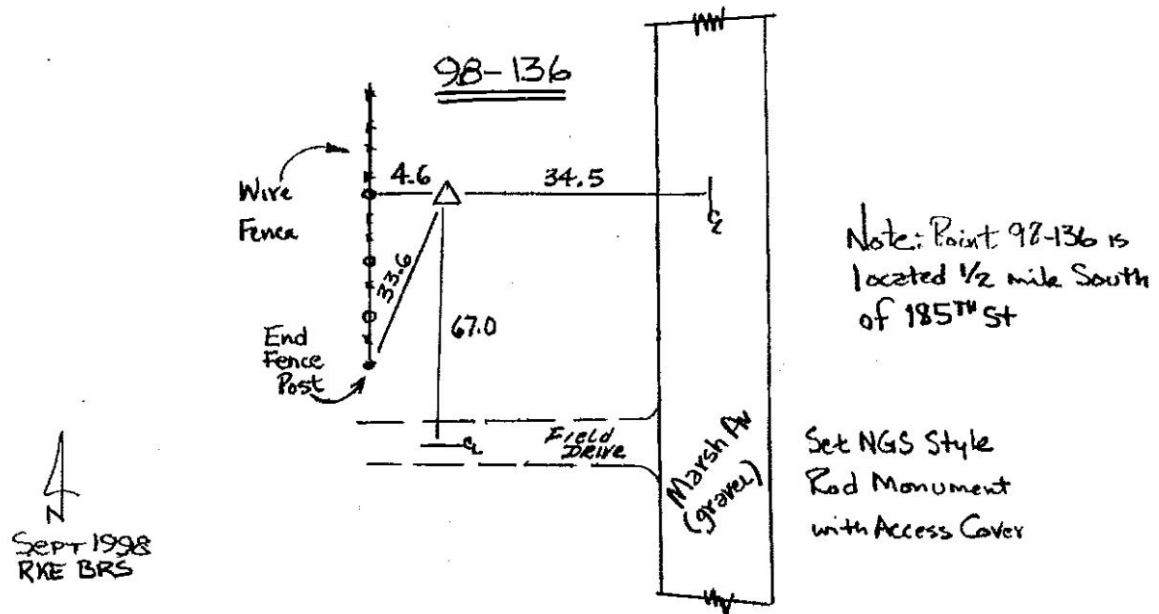
Mapping Angle: **0°28'51"** Combination Scale Factor: **0.9999039608**

laRCS Zone 5 Northing: **8945653.182sft** Easting: **15354887.714sft**

Mapping Angle: **-0°21'58"** Combination Scale Factor: **0.9999912067**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **137**

Designation: Butler Co 98-137 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'48.49000"**

Longitude: **W92°47'25.96950"**

NAVD 88 Ortho Height: **1017.920sft**

Ellip. Ht: **913.837sft**

Geoid12B

Iowa North Zone (1401) Northing: **3729924.409sft**

Easting: **5111860.449sft**

Mapping Angle: **0°28'51"**

Combination Scale Factor: **0.9999022823**

IaRCS Zone 5 Northing: **8929671.301sft**

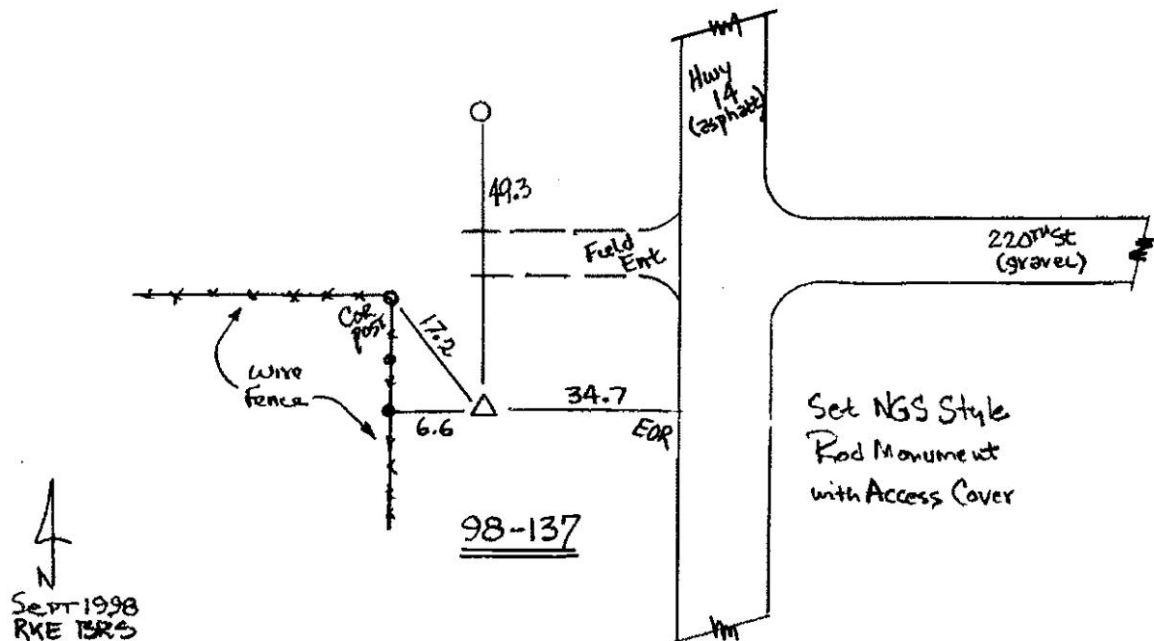
Easting: **15354756.541sft**

Mapping Angle: **-0°21'58"**

Combination Scale Factor: **0.9999892929**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



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Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **138**

Designation: Butler Co 98-138 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'10.17996"** Longitude: **W92°47'24.67793"**

NAVD 88 Ortho Height: **952.040sft** Ellip. Ht: **847.778sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3713899.605sft** Easting: **5112091.396sft**

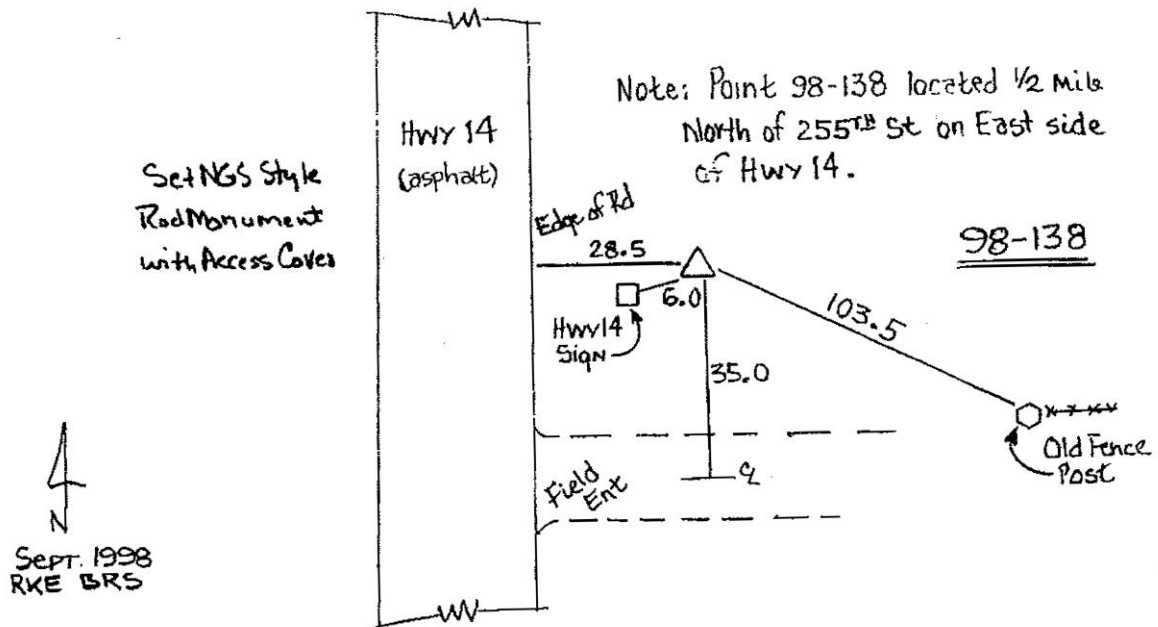
Mapping Angle: **0°28'52"** Combination Scale Factor: **0.9999048986**

IaRCS Zone 5 Northing: **8913643.442sft** Easting: **15354750.562sft**

Mapping Angle: **-0°21'58"** Combination Scale Factor: **0.9999916737**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **139**

Designation: Butler Co 98-139 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°38'31.26610"** Longitude: **W92°47'25.01637"**

NAVD 88 Ortho Height: **1002.590sft** Ellip. Ht: **898.198sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3697812.784sft** Easting: **5112201.173sft**

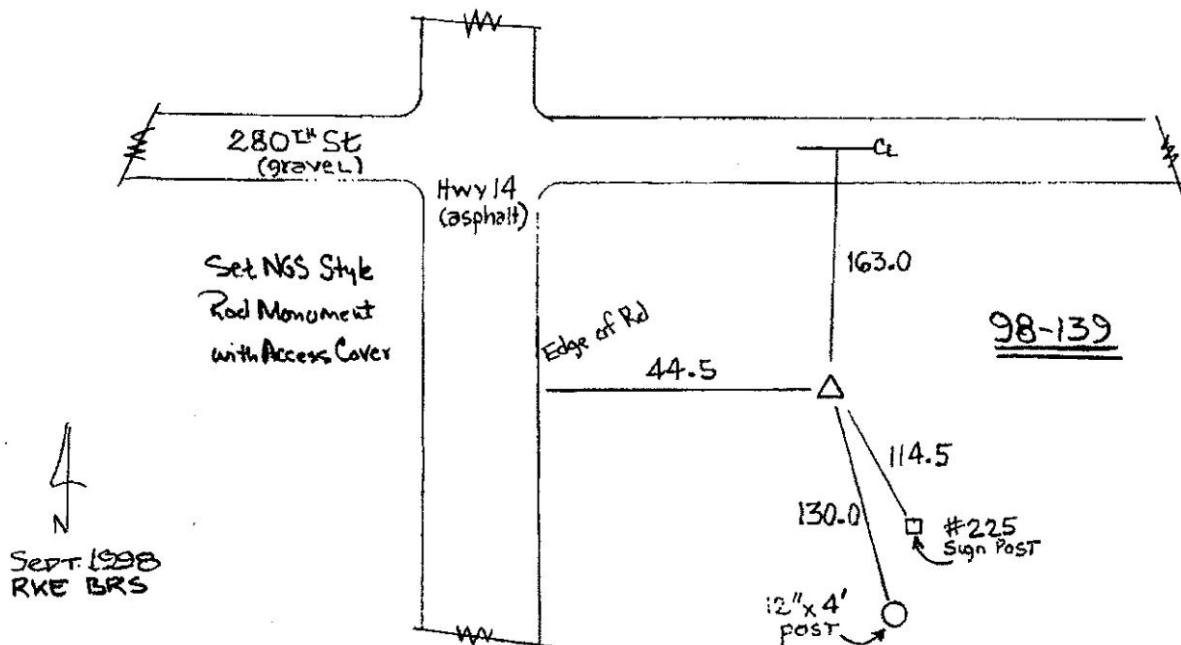
Mapping Angle: **0°28'52"** Combination Scale Factor: **0.9999025362**

IaRCS Zone 5 Northing: **8897555.361sft** Easting: **15354622.498sft**

Mapping Angle: **-0°21'58"** Combination Scale Factor: **0.9999890746**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **140**

Designation: Butler Co 98-140 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°35'55.21156"** Longitude: **W92°47'26.67503"**

NAVD 88 Ortho Height: **932.730sft** Ellip. Ht: **828.232sft** Geoid12B

Iowa North Zone (1401) Northing: **3682014.694sft** Easting: **5112209.750sft**

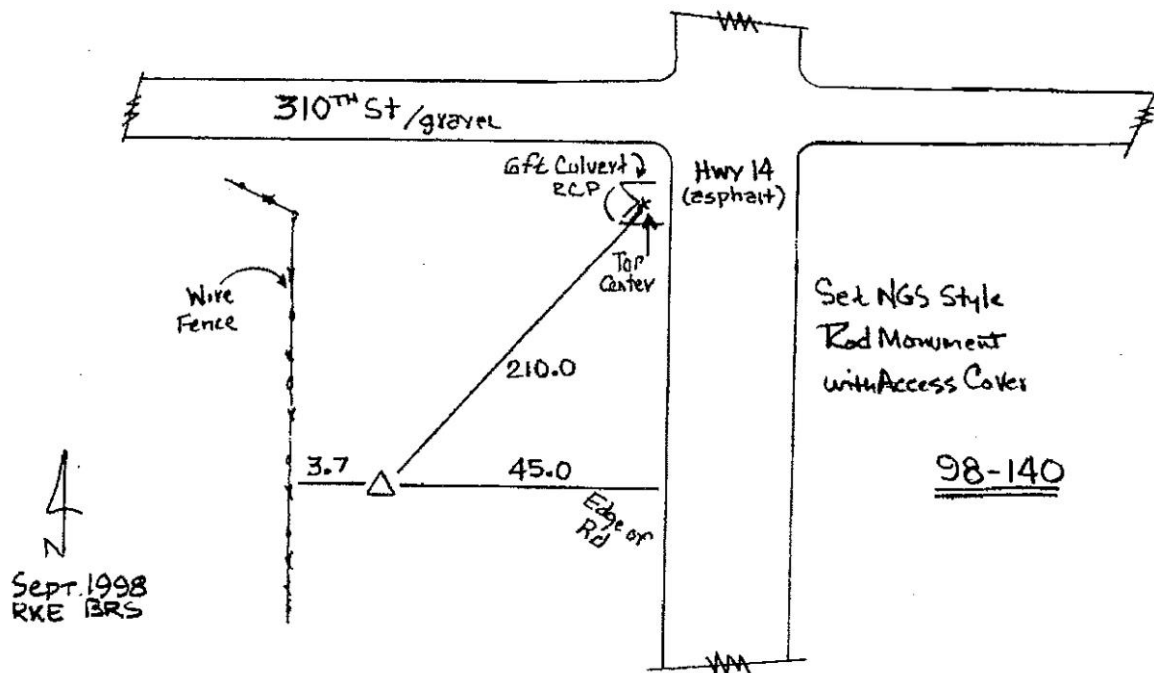
Mapping Angle: **0°28'51"** Combination Scale Factor: **0.9999065021**

IaRCS Zone 5 Northing: **8881757.506sft** Easting: **15354397.504sft**

Mapping Angle: **-0°21'59"** Combination Scale Factor: **0.9999928088**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **141**

Designation: Butler Co 98-141 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'24.84345"**

Longitude: **W92°43'55.84068"**

NAVD 88 Ortho Height: **981.910sft**

Ellip. Ht: **878.718sft**

Geoid12B

Iowa North Zone (1401) Northing: **3794480.127sft**

Easting: **5126957.109sft**

Mapping Angle: **0°31'13"**

Combination Scale Factor: **0.9999120664**

IaRCS Zone 5 Northing: **8994002.411sft**

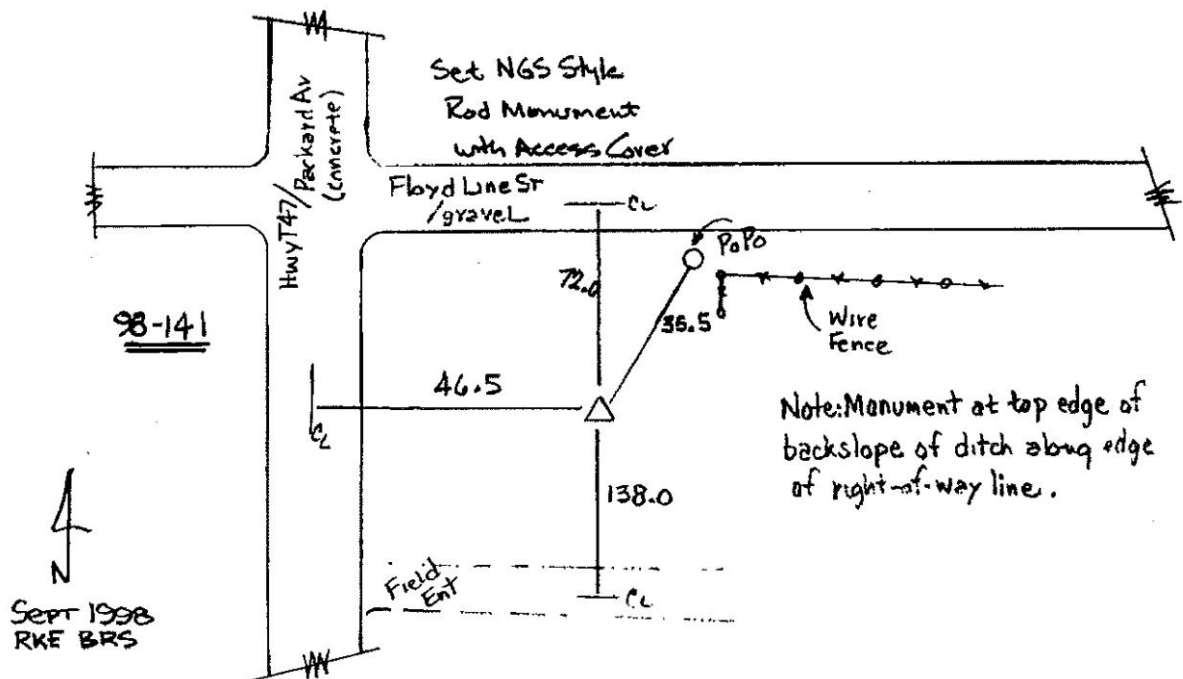
Easting: **15370807.318sft**

Mapping Angle: **-0°19'36"**

Combination Scale Factor: **1.0000000270**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **142**

Designation: Butler Co 98-142 (Set by ASI in 1998)

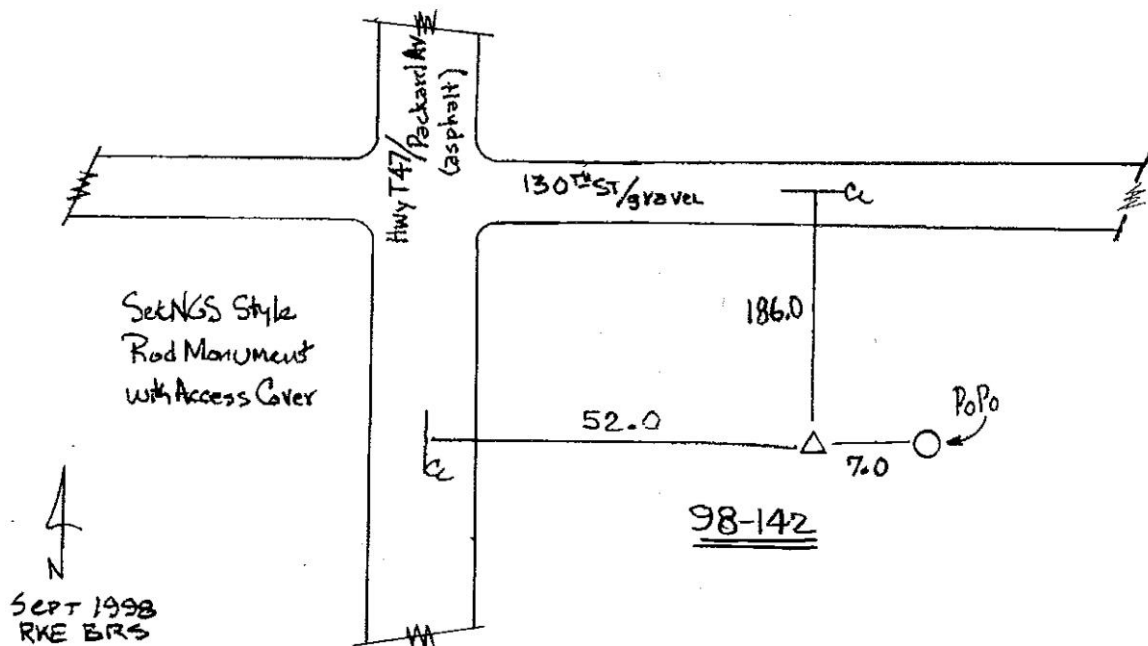
NAD 83(NA2011) Latitude: **N42°51'40.92391"** Longitude: **W92°43'54.90258"**
NAVD 88 Ortho Height: **954.600sft** Ellip. Ht: **851.034sft** Geoid12B

Iowa North Zone (1401) Northing: **3777886.777sft** Easting: **5127177.690sft**
Mapping Angle: **0°31'14"** Combination Scale Factor: **0.9999103924**

IaRCS Zone 5 Northing: **8977406.155sft** Easting: **15370782.562sft**
Mapping Angle: **-0°19'35"** Combination Scale Factor: **0.9999981081**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **143**

Designation: Butler Co 98-143 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'05.69894"**

Longitude: **W92°43'55.04458"**

NAVD 88 Ortho Height: **985.540sft**

Ellip. Ht: **881.703sft**

Geoid12B

Iowa North Zone (1401) Northing: **3762173.031sft**

Easting: **5127309.879sft**

Mapping Angle: **0°31'14"**

Combination Scale Factor: **0.9999066704**

IaRCS Zone 5 Northing: **8961690.796sft**

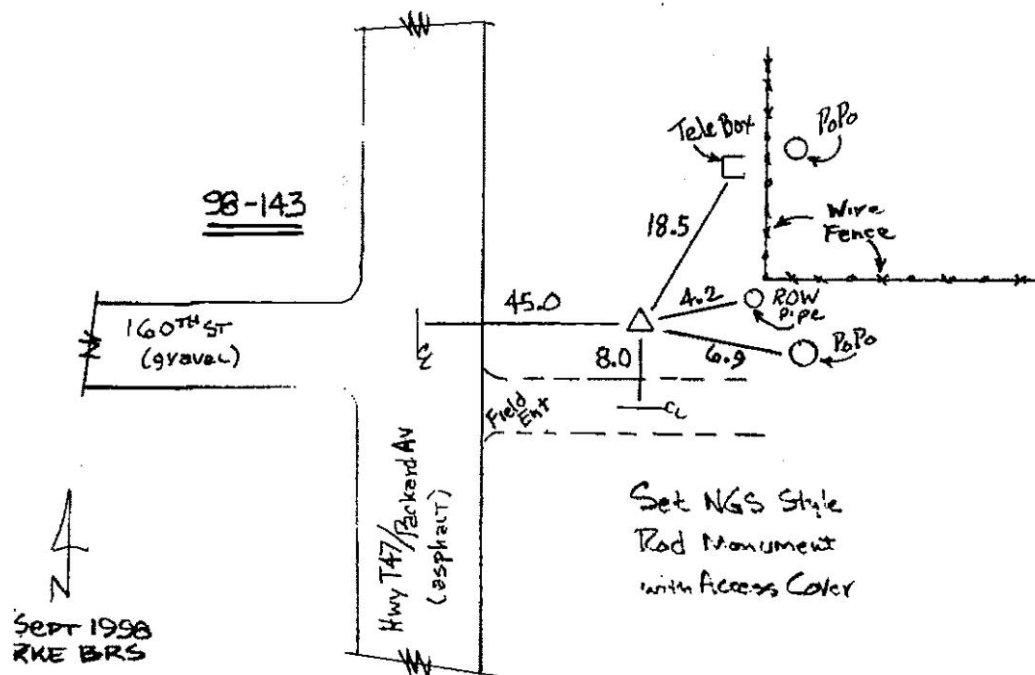
Easting: **15370682.421sft**

Mapping Angle: **-0°19'36"**

Combination Scale Factor: **0.9999941541**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **144**

Designation: Butler Co 98-144 (Set by ASI in 1998)

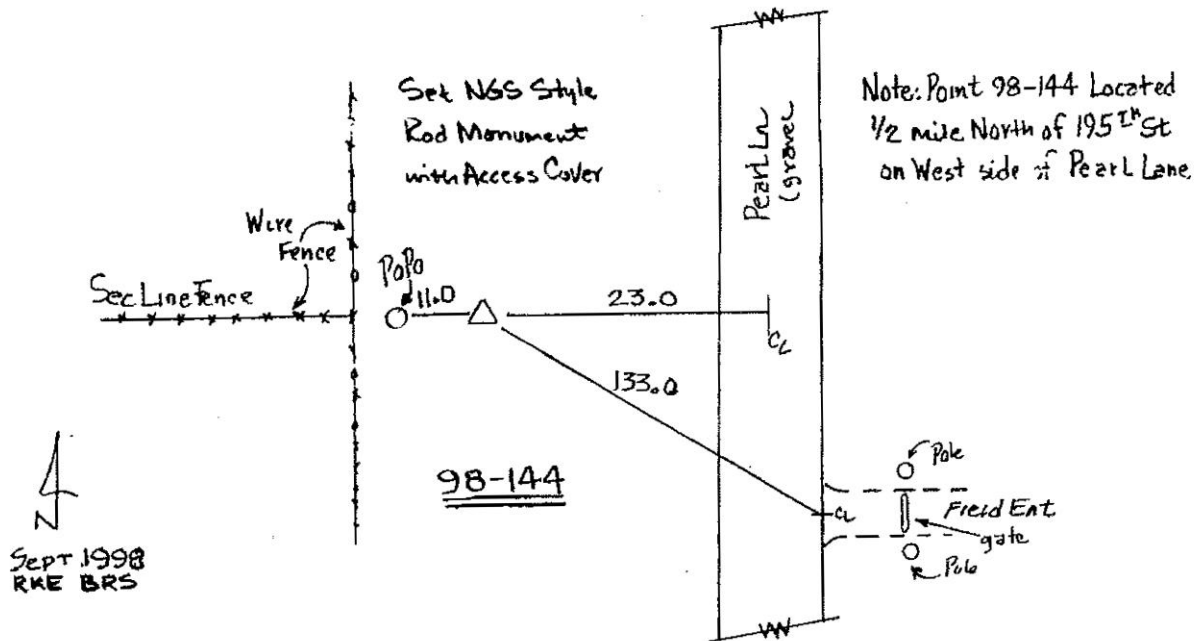
NAD 83(NA2011) Latitude: **N42°46'25.49886"** Longitude: **W92°43'38.09948"**
NAVD 88 Ortho Height: **1027.710sft** Ellip. Ht: **923.664sft** Geoid**12B**

Iowa North Zone (1401) Northing: **3745967.420sft** Easting: **5128720.928sft**
Mapping Angle: **0°31'25"** Combination Scale Factor: **0.9999029294**

laRCS Zone 5 Northing: **8945464.677**sft Easting: **15371853.841**sft
Mapping Angle: **-0°19'24"** Combination Scale Factor: **0.9999901739**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **145**

Designation: Butler Co 98-145 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'46.34556"** Longitude: **W92°43'54.41133"**

NAVD 88 Ortho Height: **1009.780sft** Ellip. Ht: **905.584sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3729845.317sft** Easting: **5127650.850sft**

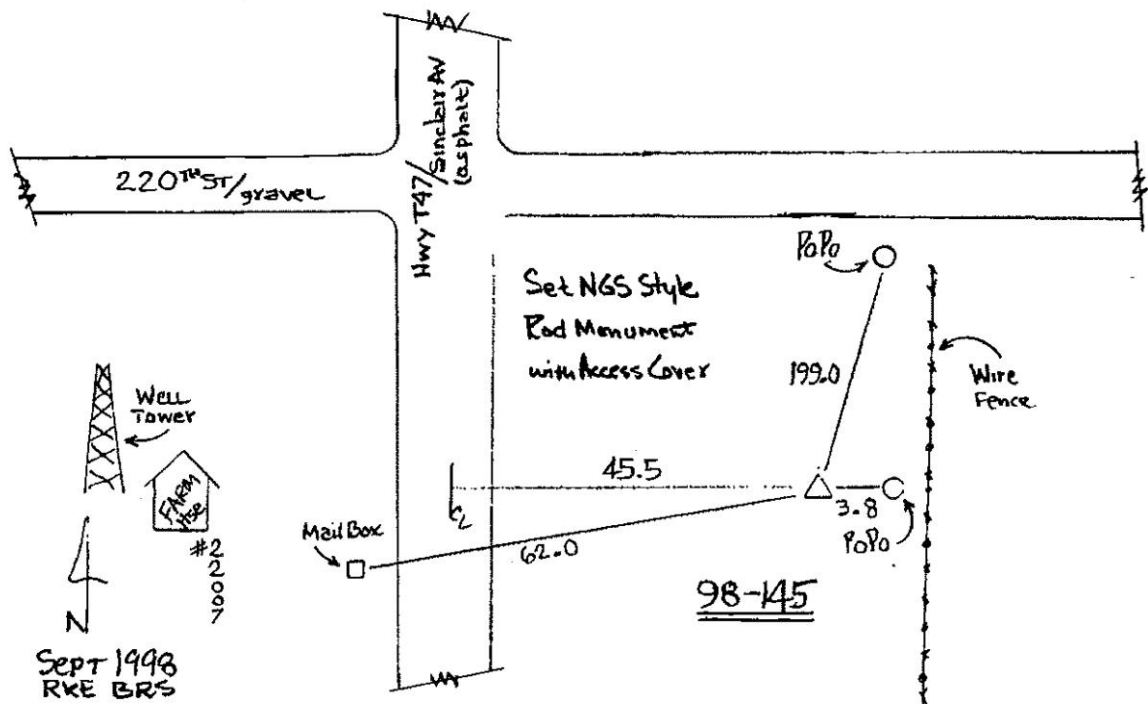
Mapping Angle: **0°31'14"** Combination Scale Factor: **0.9999026655**

IaRCS Zone 5 Northing: **8929358.753sft** Easting: **15370545.422sft**

Mapping Angle: **-0°19'35"** Combination Scale Factor: **0.9999896729**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **146**

Designation: Butler Co 98-146 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'12.29921"** Longitude: **W92°43'54.15069"**

NAVD 88 Ortho Height: **975.230sft** Ellip. Ht: **870.905sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3714251.586sft** Easting: **5127812.023sft**

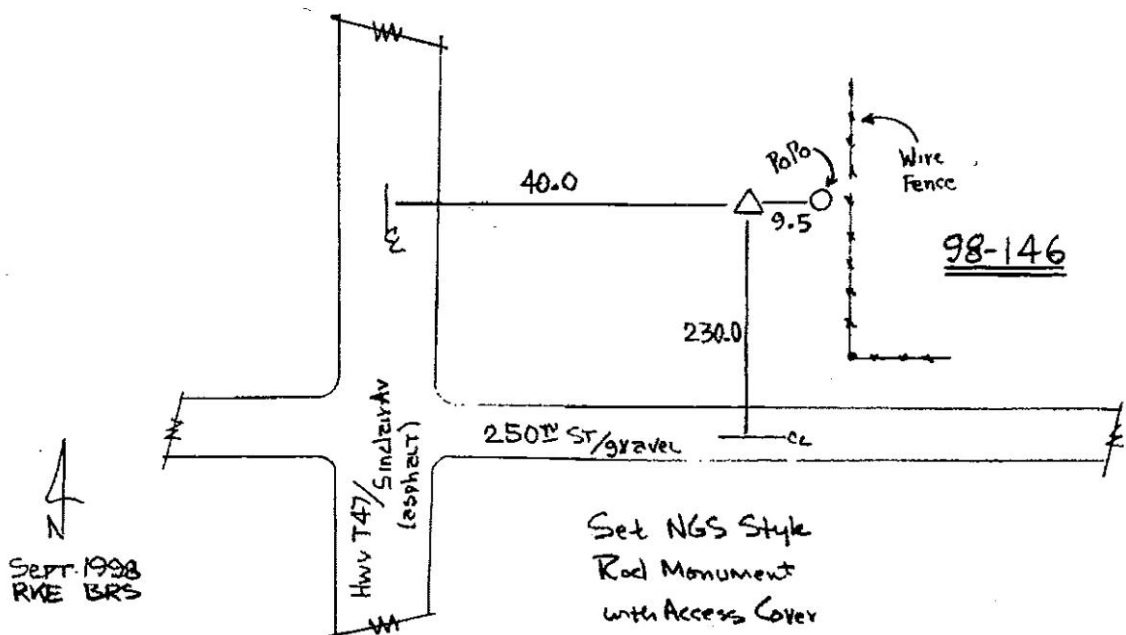
Mapping Angle: **0°31'15"** Combination Scale Factor: **0.9999037966**

IaRCS Zone 5 Northing: **8913762.988sft** Easting: **15370476.039sft**

Mapping Angle: **-0°19'35"** Combination Scale Factor: **0.9999905748**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **147**

Designation: Butler Co 98-147 (Set by ASI in 1998)

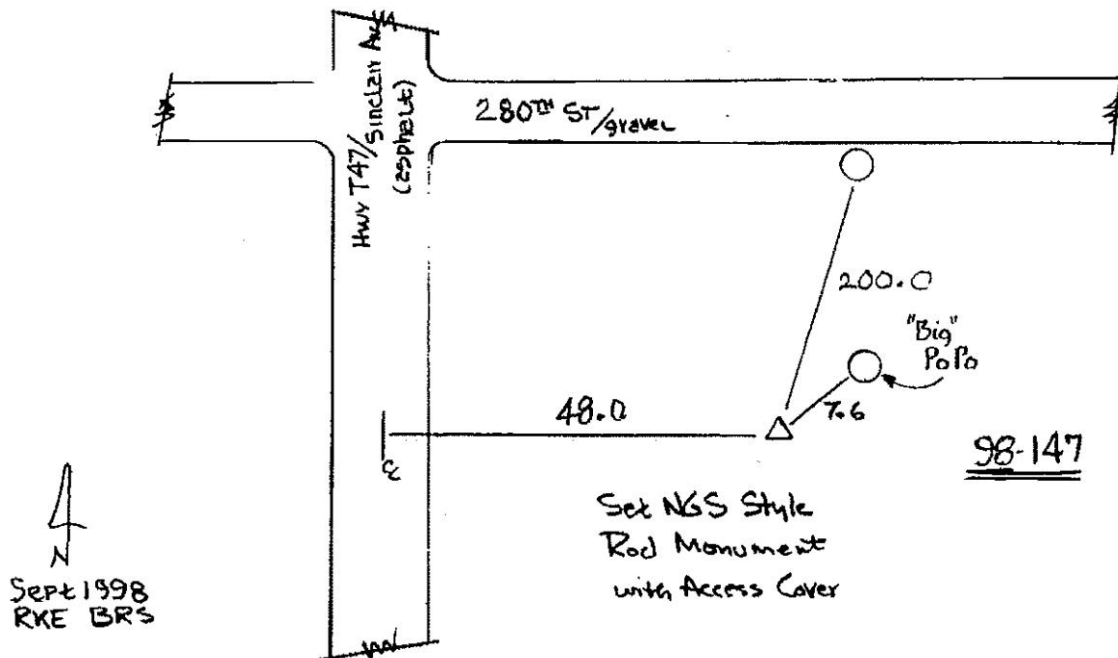
NAD 83(NA2011) Latitude: **N42°38'30.27289"** Longitude: **W92°43'53.40828"**
NAVD 88 Ortho Height: **945.180sft** Ellip. Ht: **840.769sft** Geoid12B

Iowa North Zone (1401) Northing: **3697850.510sft** Easting: **5128016.570sft**
Mapping Angle: **0°31'15"** Combination Scale Factor: **0.9999052832**

IaRCS Zone 5 Northing: **8897359.259sft** Easting: **15370438.092sft**
Mapping Angle: **-0°19'34"** Combination Scale Factor: **0.9999918204**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **148**

Designation: Butler Co 98-148 (Set by ASI in 1998)

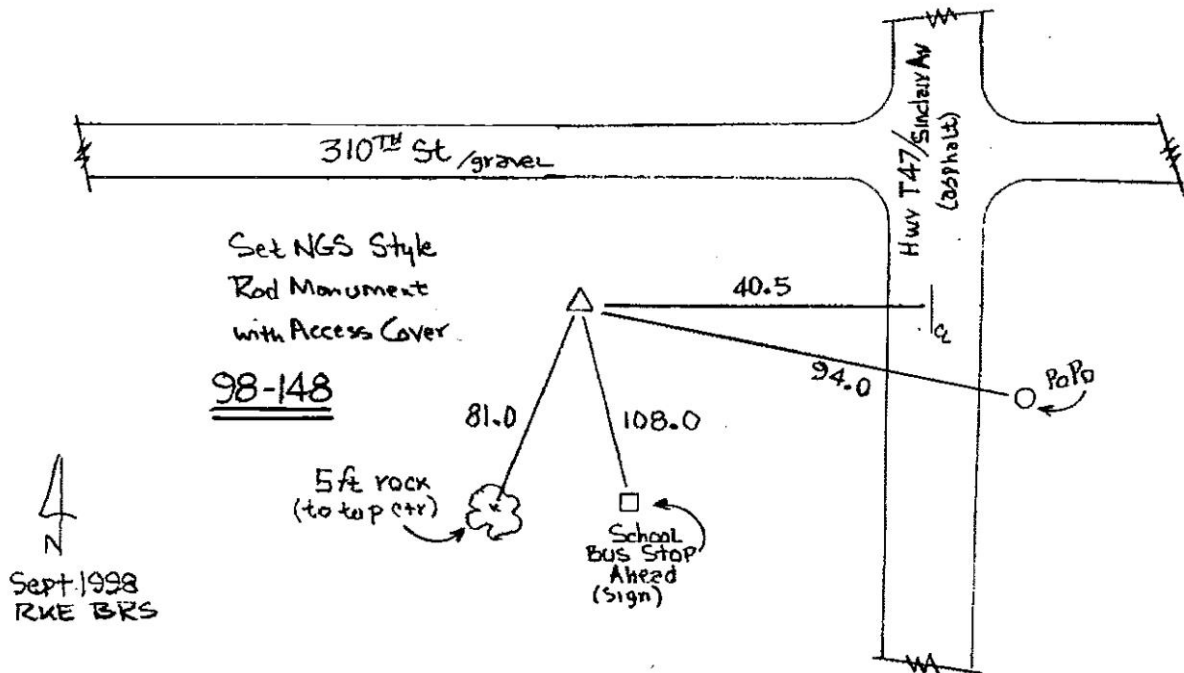
NAD 83(NA2011) Latitude: **N42°35'55.51084"** Longitude: **W92°43'54.88645"**
NAVD 88 Ortho Height: **989.730sft** Ellip. Ht: **885.272sft** Geoid12B

Iowa North Zone (1401) Northing: **3682183.388sft** Easting: **5128048.438sft**
Mapping Angle: **0°31'14"** Combination Scale Factor: **0.9999037741**

IaRCS Zone 5 Northing: **8881692.024sft** Easting: **15370238.323sft**
Mapping Angle: **-0°19'35"** Combination Scale Factor: **0.9999900811**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **149**

Designation: Butler Co 98-149 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'25.01480"** Longitude: **W92°40'21.59437"**

NAVD 88 Ortho Height: **1010.160sft** Ellip. Ht: **906.890sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3794647.897sft** Easting: **5142900.534sft**

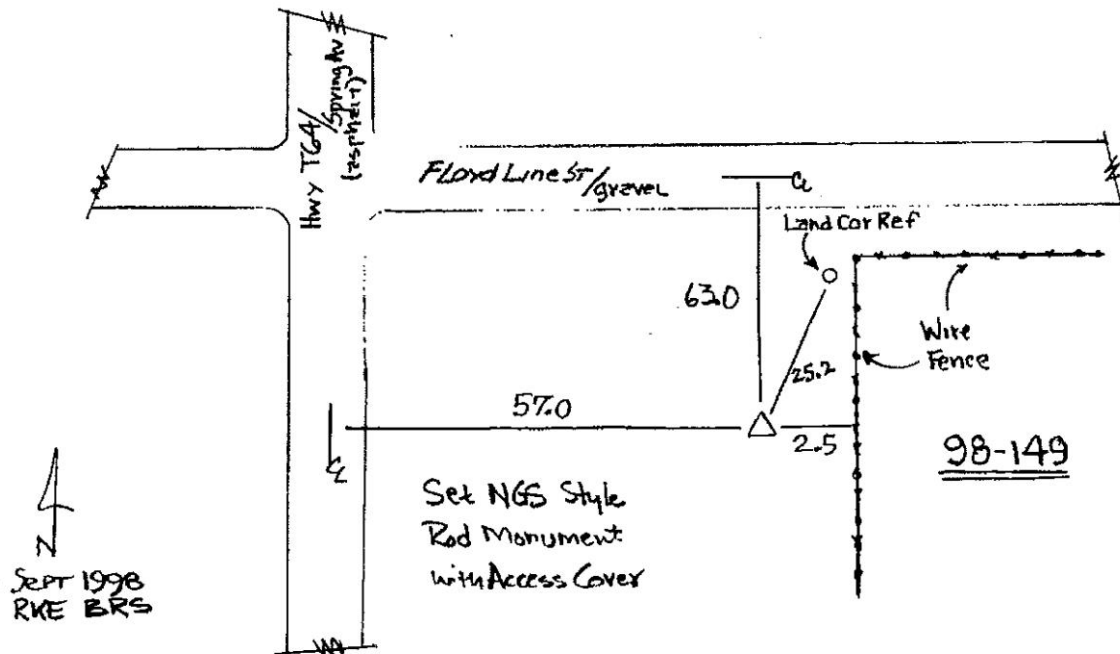
Mapping Angle: **0°33'39"** Combination Scale Factor: **0.9999107234**

IaRCS Zone 5 Northing: **8993934.452sft** Easting: **15386752.883sft**

Mapping Angle: **-0°17'11"** Combination Scale Factor: **0.9999986841**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **150**

Designation: Butler Co 98-150 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'39.53968"** Longitude: **W92°40'21.88424"**

NAVD 88 Ortho Height: **1002.670sft** Ellip. Ht: **899.059sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3777896.337sft** Easting: **5143042.888sft**

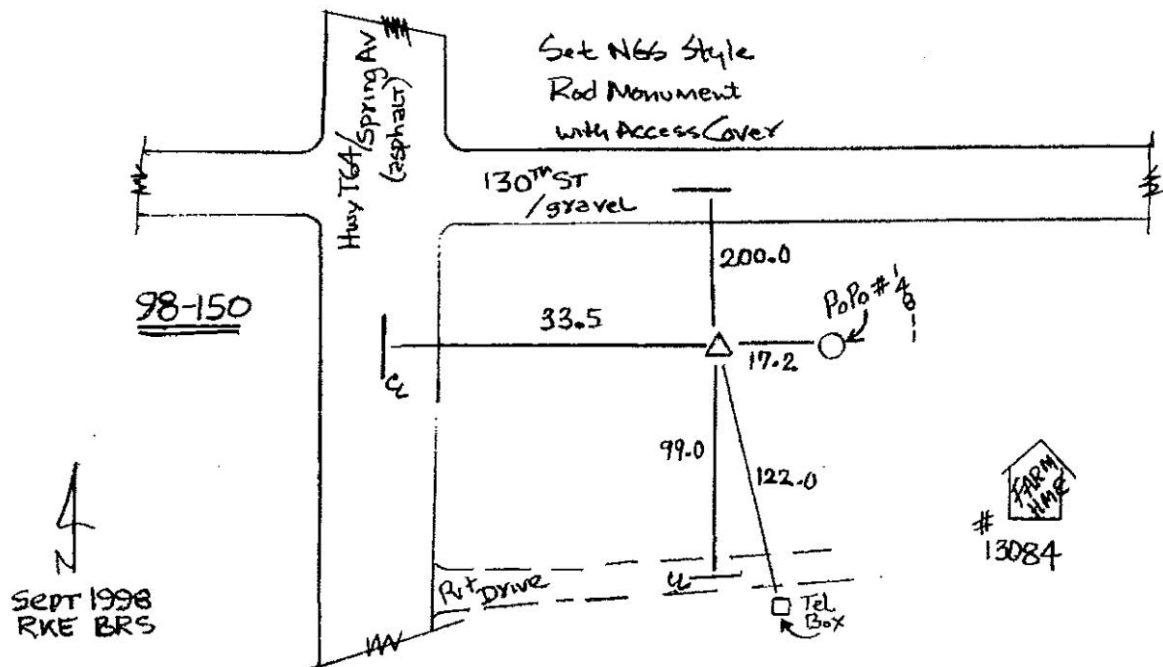
Mapping Angle: **0°33'38"** Combination Scale Factor: **0.9999080745**

IaRCS Zone 5 Northing: **8977181.147sft** Easting: **15386647.559sft**

Mapping Angle: **-0°17'11"** Combination Scale Factor: **0.9999957879**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **151**

Designation: Butler Co 98-151 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'04.60969"**

Longitude: **W92°40'06.31122"**

NAVD 88 Ortho Height: **946.770sft**

Ellip. Ht: **842.909sft**

Geoid12B

Iowa North Zone (1401) Northing: **3762224.041sft**

Easting: **5144356.919sft**

Mapping Angle: **0°33'49"**

Combination Scale Factor: **0.9999085107**

IaRCS Zone 5 Northing: **8961489.763sft**

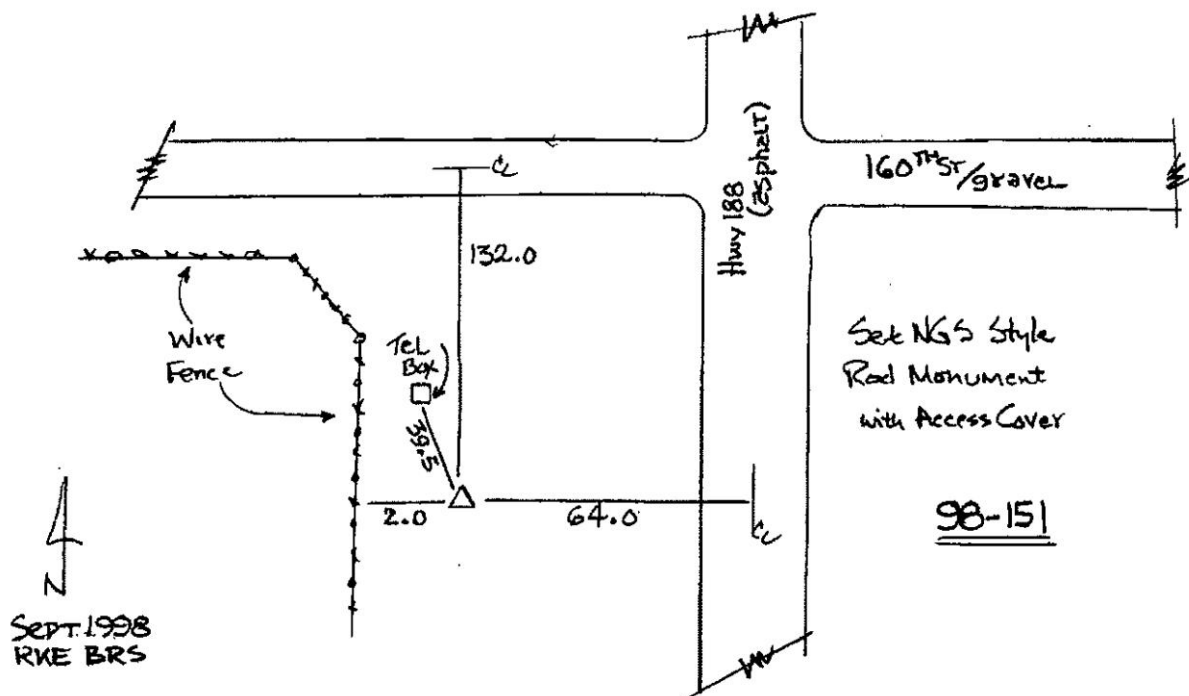
Easting: **15387729.844sft**

Mapping Angle: **-0°17'01"**

Combination Scale Factor: **0.9999959929**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **152**

Designation: Butler Co 98-152 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'16.66732"** Longitude: **W92°40'00.60302"**

NAVD 88 Ortho Height: **920.610sft** Ellip. Ht: **816.560sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3745227.474sft** Easting: **5144949.868sft**

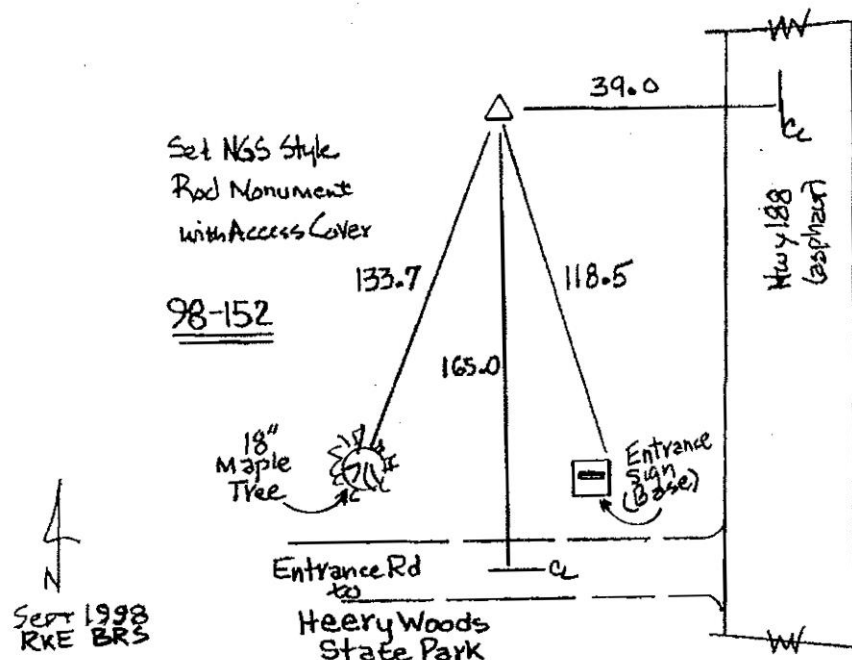
Mapping Angle: **0°33'53"** Combination Scale Factor: **0.9999079702**

IaRCS Zone 5 Northing: **8944484.801sft** Easting: **15388071.482sft**

Mapping Angle: **-0°16'57"** Combination Scale Factor: **0.9999952020**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **153**

Designation: Butler Co 98-153 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'48.83432"** Longitude: **W92°40'23.38535"**

NAVD 88 Ortho Height: **957.610sft** Ellip. Ht: **853.438sft** Geoid12B

Iowa North Zone (1401) Northing: **3730245.827sft** Easting: **5143397.150sft**

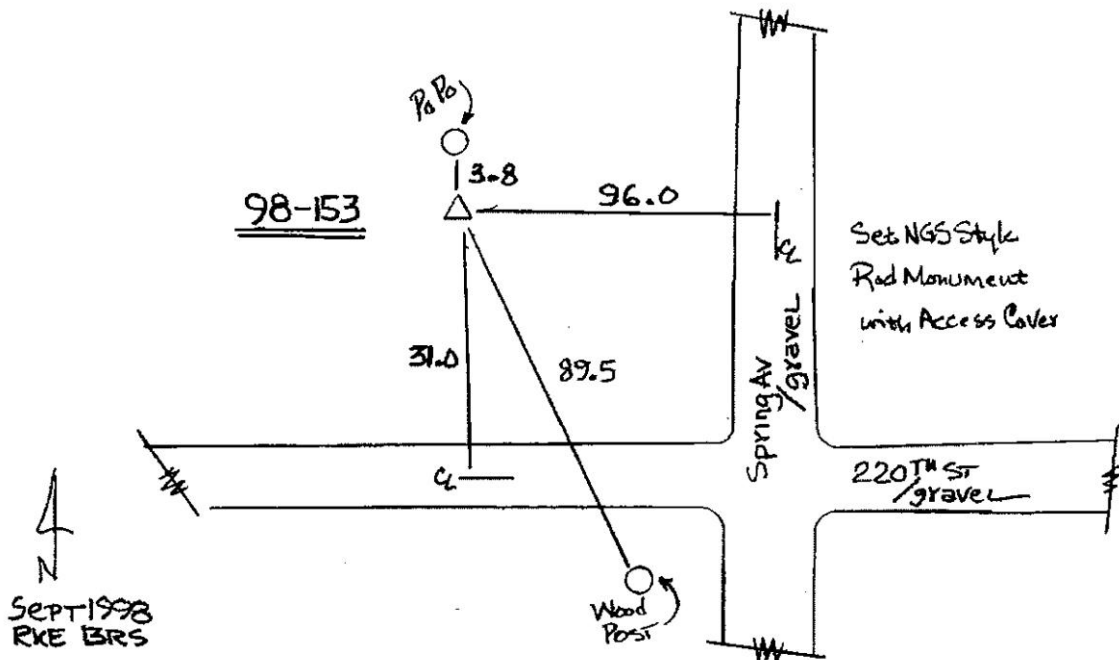
Mapping Angle: **0°33'37"** Combination Scale Factor: **0.9999051709**

IaRCS Zone 5 Northing: **8929526.444sft** Easting: **15386297.292sft**

Mapping Angle: **-0°17'12"** Combination Scale Factor: **0.9999921822**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **154**

Designation: Butler Co 98-154 (Set by ASI in 1998)

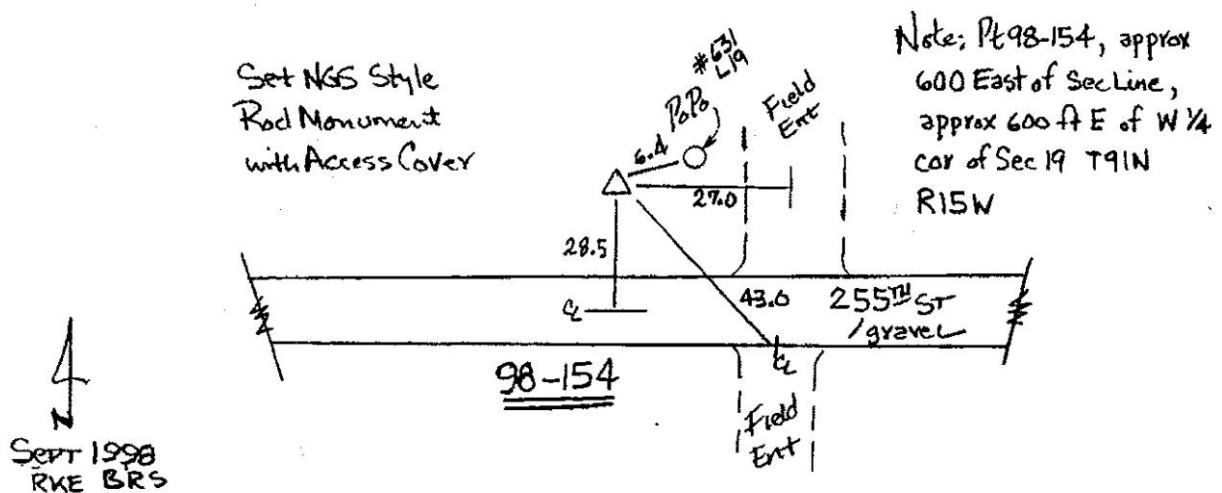
NAD 83(NA2011) Latitude: **N42°40'43.46223"** Longitude: **W92°40'15.42381"**
NAVD 88 Ortho Height: **967.112sft** Ellip. Ht: **862.843sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3711486.815sft** Easting: **5144175.334sft**
Mapping Angle: **0°33'43"** Combination Scale Factor: **0.9999041452**

IaRCS Zone 5 Northing: **8910756.346sft** Easting: **15386798.104sft**
Mapping Angle: **-0°17'07"** Combination Scale Factor: **0.9999908804**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **155**

Designation: Butler Co 98-155 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°38'33.07927"** Longitude: **W92°40'22.21160"**

NAVD 88 Ortho Height: **905.350sft** Ellip. Ht: **801.035sft** Geoid12B

Iowa North Zone (1401) Northing: **3698283.553sft** Easting: **5143797.495sft**

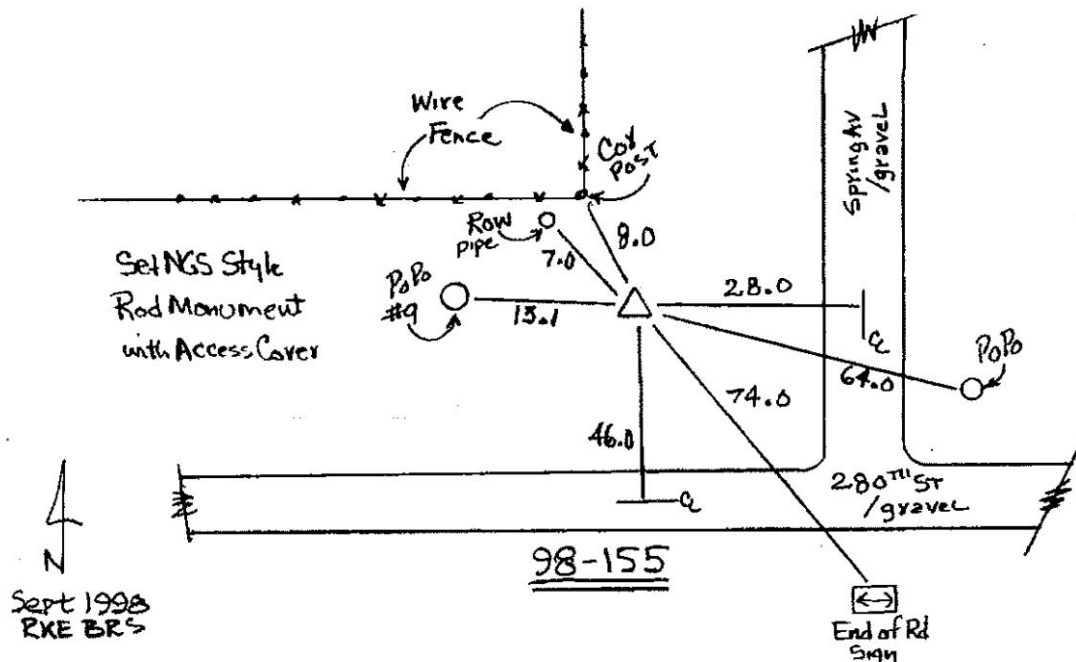
Mapping Angle: **0°33'38"** Combination Scale Factor: **0.9999071763**

IaRCS Zone 5 Northing: **8897558.971sft** Easting: **15386225.061sft**

Mapping Angle: **-0°17'11"** Combination Scale Factor: **0.9999937178**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **156 (Destroyed)**

Designation: Butler Co 98-156 (Set by ASI in 1998)

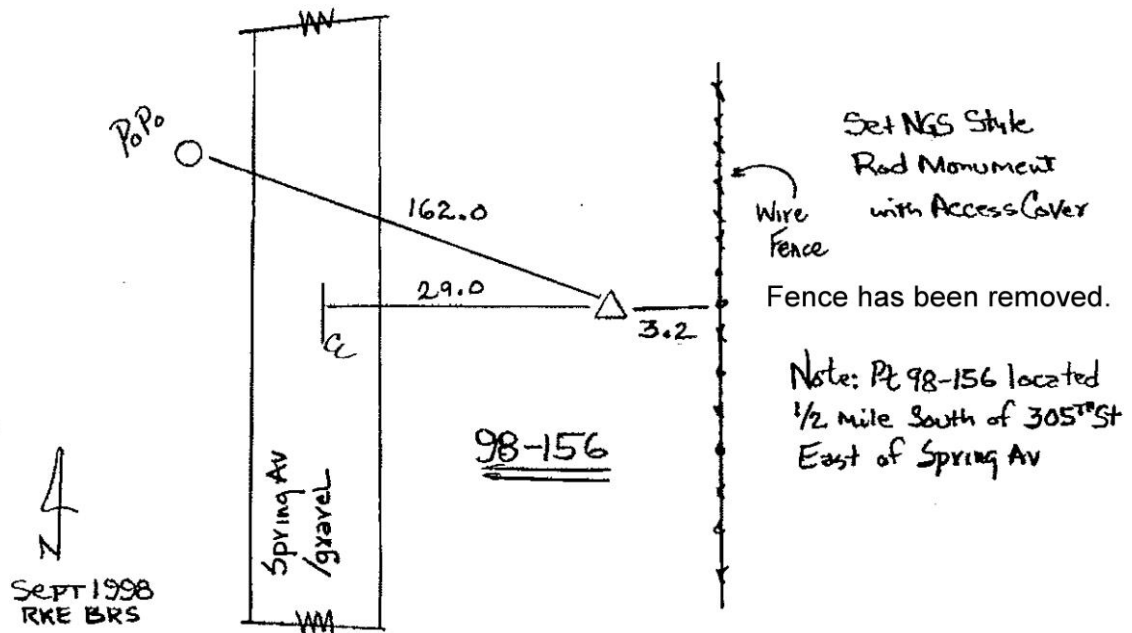
NAD 83(1996) Latitude: **42-36-00.755079N** Longitude: **92-40-21.892369W**
NAVD 88 Ortho Height: **964.860sft** Ellip. Ht: **861.081sft**

Iowa North Zone (1401) Northing: **3682864.550sft** Easting: **5143972.240sft**
Mapping Angle: **0-33-38.4** Combination Scale Factor: **0.9999048700**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 5" dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998

Under Cultivation



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **157**

Designation: Butler Co 98-157 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'25.34364"** Longitude: **W92°36'49.94039"**

NAVD 88 Ortho Height: **994.520sft** Ellip. Ht: **891.285sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3794840.810sft** Easting: **5158650.744sft**

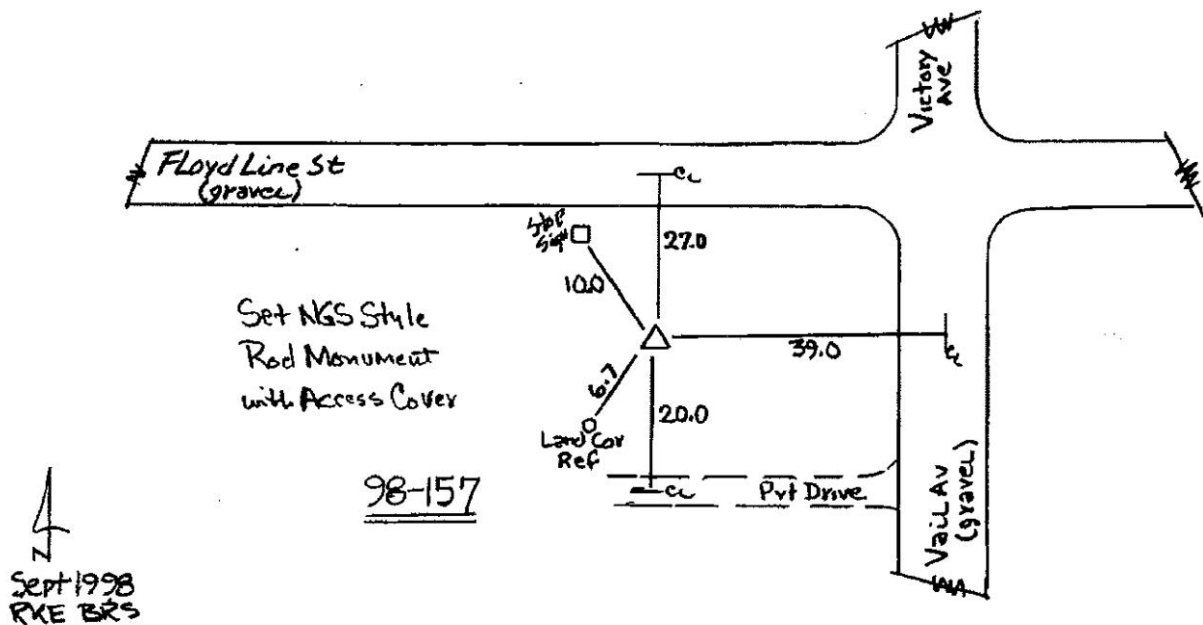
Mapping Angle: **0°36'02"** Combination Scale Factor: **0.9999114759**

IaRCS Zone 5 Northing: **8993894.490sft** Easting: **15402505.610sft**

Mapping Angle: **-0°14'48"** Combination Scale Factor: **0.9999994371**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **158**

Designation: Butler Co 98-158 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'43.07793"** Longitude: **W92°36'49.18800"**

NAVD 88 Ortho Height: **977.020sft** Ellip. Ht: **873.487sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3778415.057sft** Easting: **5158878.961sft**

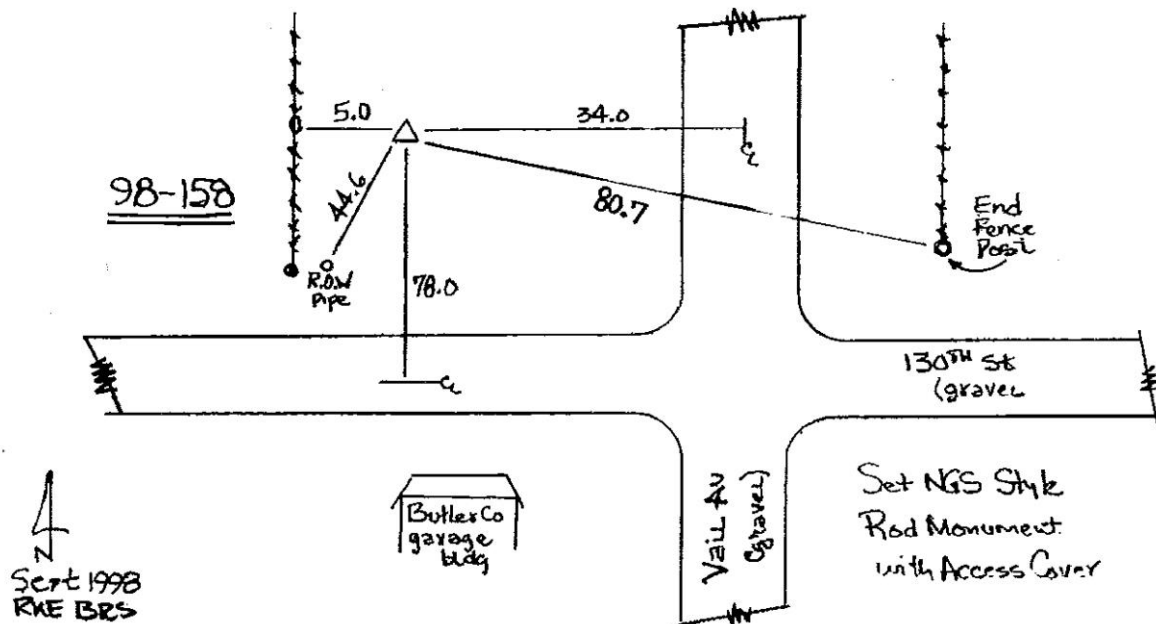
Mapping Angle: **0°36'03"** Combination Scale Factor: **0.9999093546**

IaRCS Zone 5 Northing: **8977465.715sft** Easting: **15402490.960sft**

Mapping Angle: **-0°14'47"** Combination Scale Factor: **0.9999970734**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **159**

Designation: Butler Co 98-159 (Set by ASI in 1998)

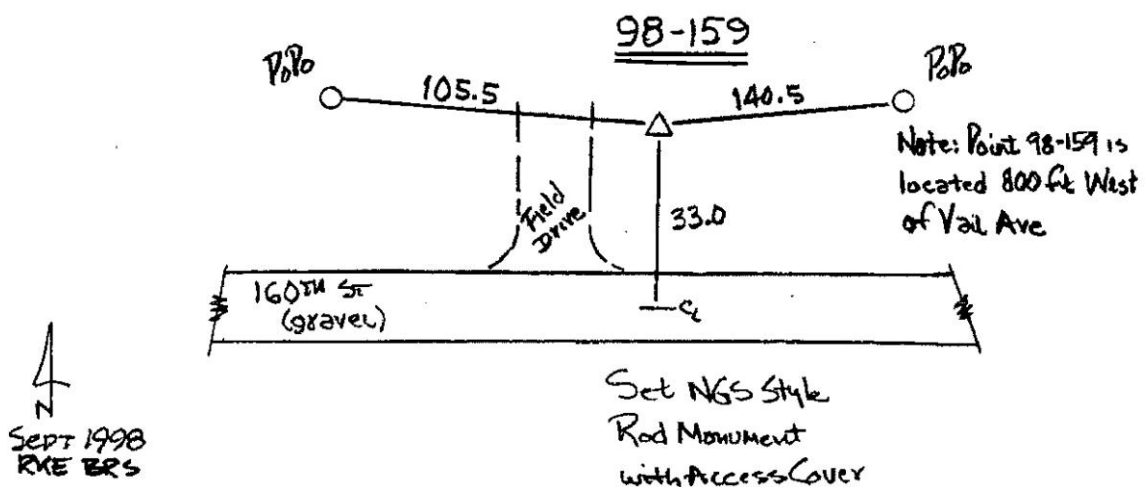
NAD 83(NA2011) Latitude: **N42°49'06.00620"** Longitude: **W92°36'56.31760"**
NAVD 88 Ortho Height: **986.840sft** Ellip. Ht: **883.077sft** Geoid12B

Iowa North Zone (1401) Northing: **3762509.110sft** Easting: **5158514.357sft**
Mapping Angle: **0°35'58"** Combination Scale Factor: **0.9999066086**

IaRCS Zone 5 Northing: **8961565.504sft** Easting: **15401891.188sft**
Mapping Angle: **-0°14'52"** Combination Scale Factor: **0.9999940928**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **160**

Designation: Butler Co 98-160 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'25.48530"**

Longitude: **W92°36'45.53153"**

NAVD 88 Ortho Height: **959.320sft**

Ellip. Ht: **855.398sft**

Geoid12B

Iowa North Zone (1401) Northing: **3746268.152sft**

Easting: **5159488.727sft**

Mapping Angle: **0°36'05"**

Combination Scale Factor: **0.9999061920**

IaRCS Zone 5 Northing: **8945310.495sft**

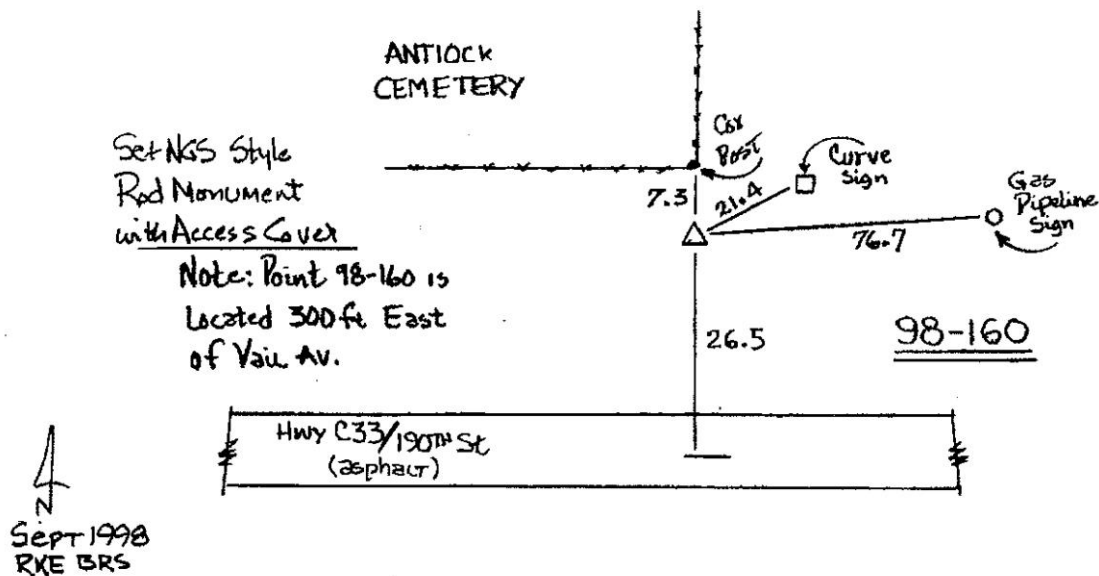
Easting: **15402625.407sft**

Mapping Angle: **-0°14'45"**

Combination Scale Factor: **0.9999934368**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **161**

Designation: Butler Co 98-161 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'48.71418"** Longitude: **W92°36'49.52171"**

NAVD 88 Ortho Height: **916.810sft** Ellip. Ht: **812.773sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3730395.378sft** Easting: **5159357.528sft**

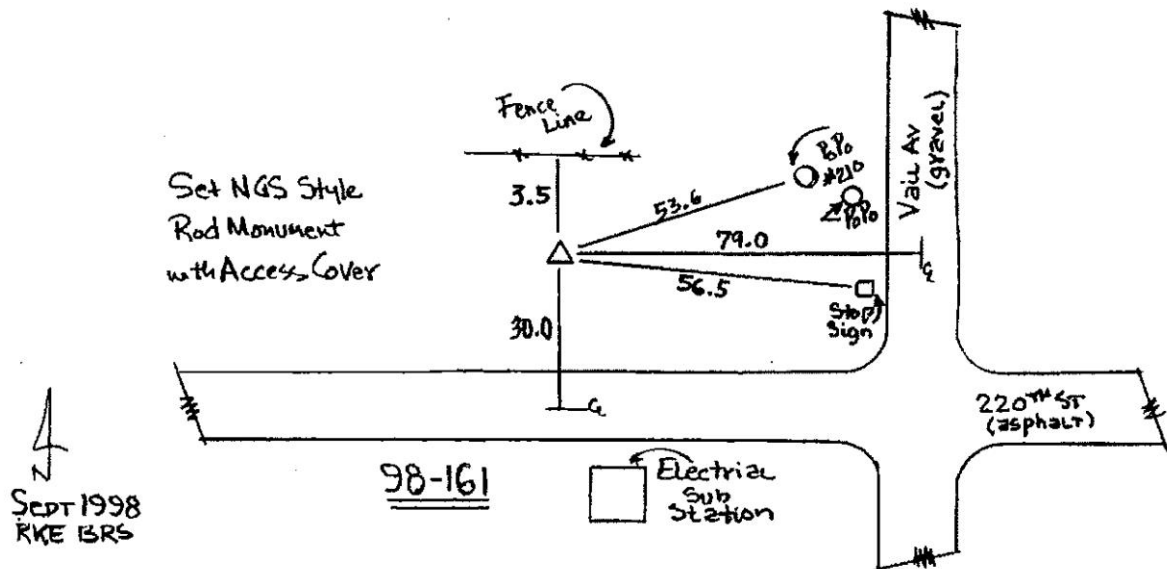
Mapping Angle: **0°36'02"** Combination Scale Factor: **0.9999071138**

IaRCS Zone 5 Northing: **8929440.013sft** Easting: **15402259.526sft**

Mapping Angle: **-0°14'47"** Combination Scale Factor: **0.9999941251**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **162**

Designation: Butler Co 98-162 (Set by ASI in 1998)

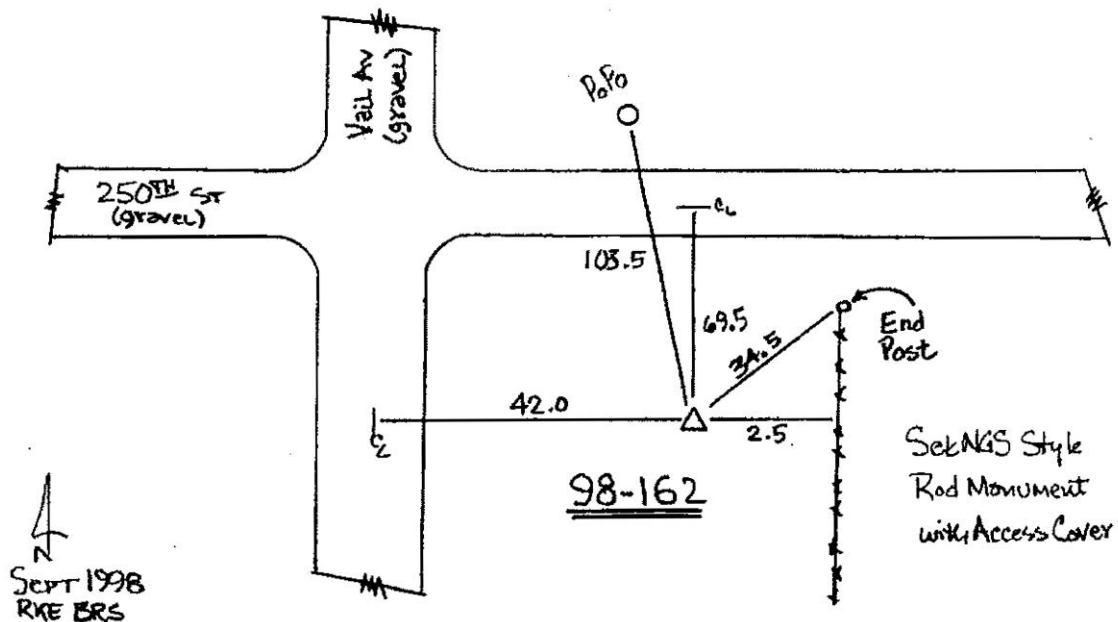
NAD 83(NA2011) Latitude: **N42°41'07.84402"** Longitude: **W92°36'47.09120"**
NAVD 88 Ortho Height: **924.070sft** Ellip. Ht: **819.983sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3714112.832sft** Easting: **5159709.762sft**
Mapping Angle: **0°36'04"** Combination Scale Factor: **0.9999062235**

IaRCS Zone 5 Northing: **8913152.623sft** Easting: **15402371.009sft**
Mapping Angle: **-0°14'46"** Combination Scale Factor: **0.9999929952**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **163**

Designation: Butler Co 98-163 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°38'32.72183"** Longitude: **W92°36'32.84260"**

NAVD 88 Ortho Height: **1005.720sft** Ellip. Ht: **901.633sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3698421.555sft** Easting: **5160939.348sft**

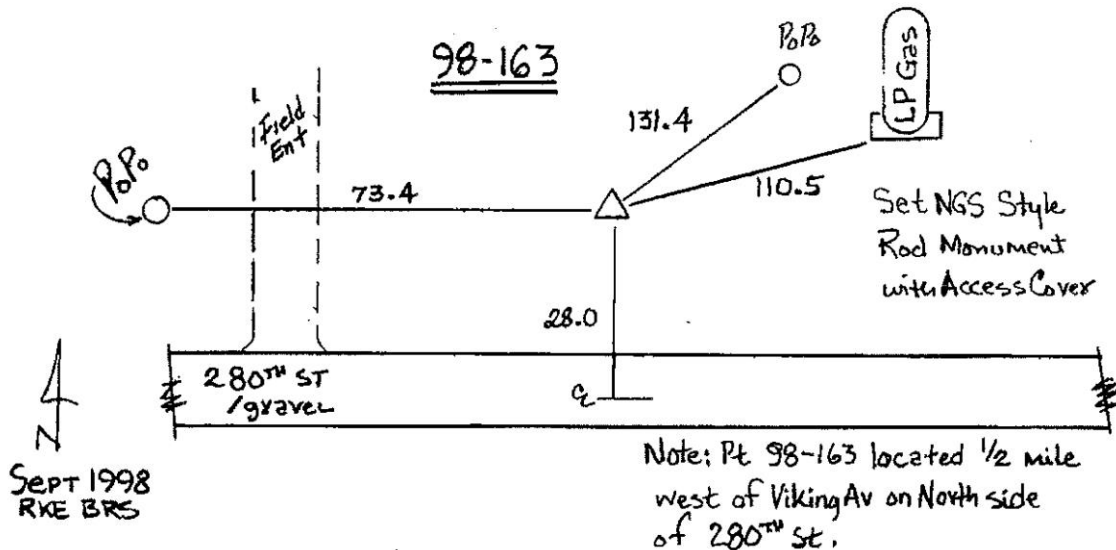
Mapping Angle: **0°36'14"** Combination Scale Factor: **0.9999023689**

IaRCS Zone 5 Northing: **8897443.522sft** Easting: **15403368.564sft**

Mapping Angle: **-0°14'36"** Combination Scale Factor: **0.9999889095**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **164**

Designation: Butler Co 98-164 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°35'58.02024"** Longitude: **W92°36'49.33502"**

NAVD 88 Ortho Height: **923.436sft** Ellip. Ht: **819.319sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3682748.814sft** Easting: **5159871.001sft**

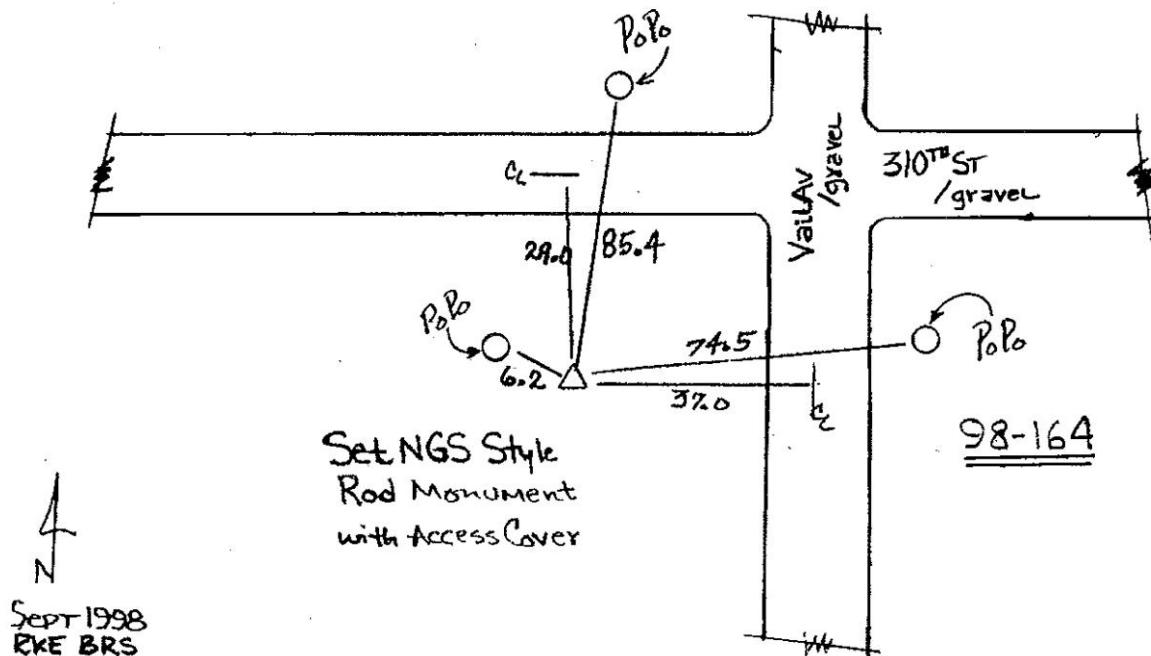
Mapping Angle: **0°36'02"** Combination Scale Factor: **0.9999069118**

IaRCS Zone 5 Northing: **8881786.935sft** Easting: **15402068.514sft**

Mapping Angle: **-0°14'47"** Combination Scale Factor: **0.9999932228**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **165**

Designation: Butler Co 98-165 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°54'25.29715"** Longitude: **W92°33'19.76503"**

NAVD 88 Ortho Height: **981.130sft** Ellip. Ht: **877.999sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3795005.452sft** Easting: **5174291.187sft**

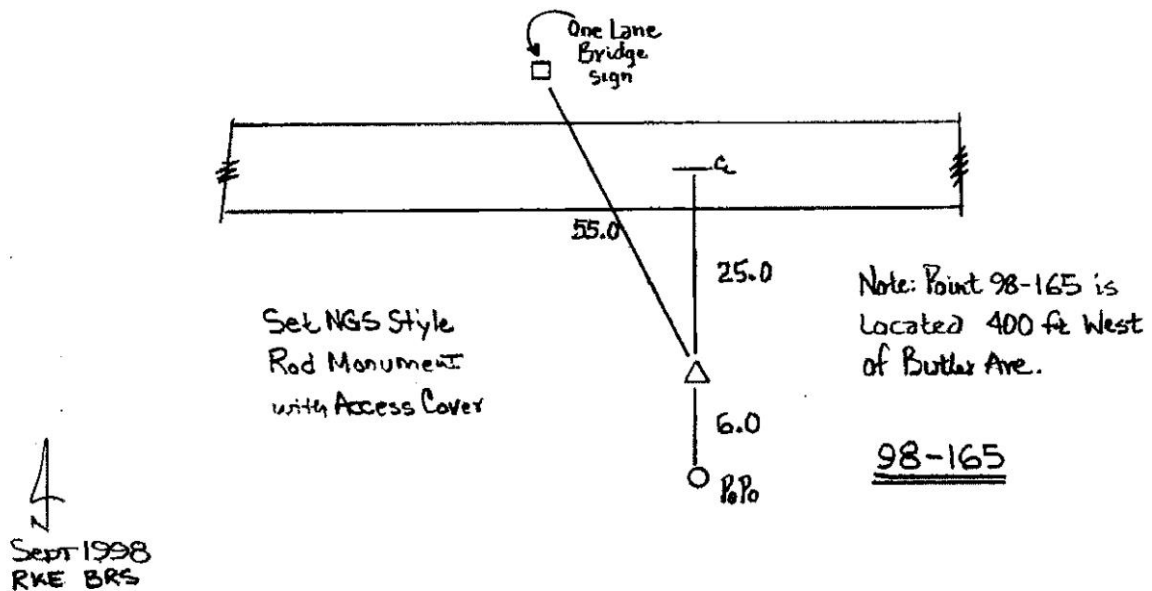
Mapping Angle: **0°38'24"** Combination Scale Factor: **0.9999121099**

laRCS Zone 5 Northing: **8993827.876sft** Easting: **15418148.153sft**

Mapping Angle: **-0°12'25"** Combination Scale Factor: **1.0000000712**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **166**

Designation: Butler Co 98-166 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°51'43.30542"** Longitude: **W92°33'17.08418"**

NAVD 88 Ortho Height: **957.040sft** Ellip. Ht: **853.639sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3778609.201sft** Easting: **5174674.048sft**

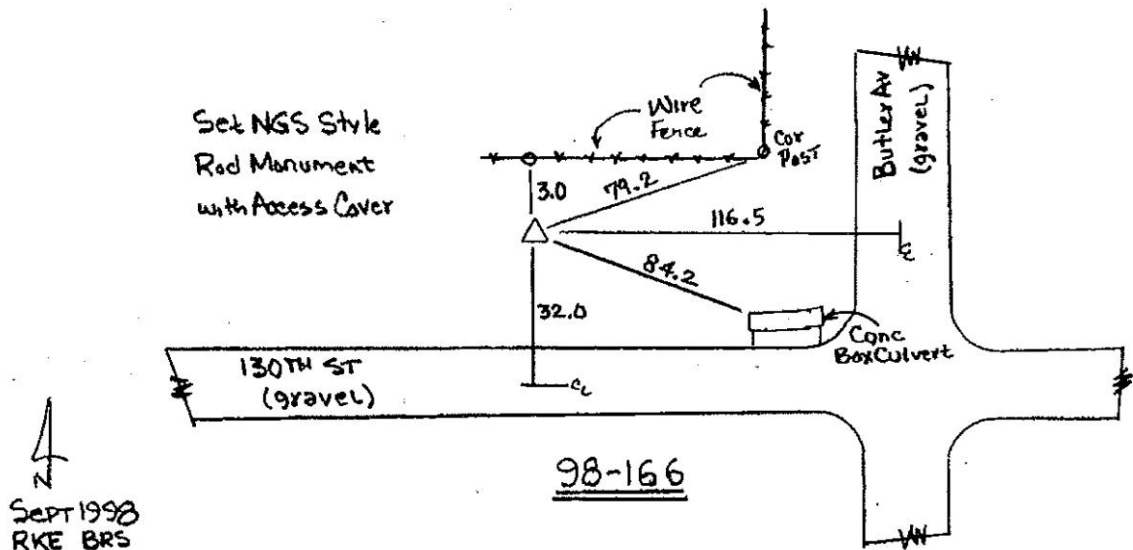
Mapping Angle: **0°38'26"** Combination Scale Factor: **0.9999103069**

IaRCS Zone 5 Northing: **8977426.315sft** Easting: **15418288.576sft**

Mapping Angle: **-0°12'23"** Combination Scale Factor: **0.9999980262**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **167**

Designation: Butler Co 98-167 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°49'08.95897"** Longitude: **W92°33'16.17412"**

NAVD 88 Ortho Height: **1021.140sft** Ellip. Ht: **917.559sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3762985.574sft** Easting: **5174916.574sft**

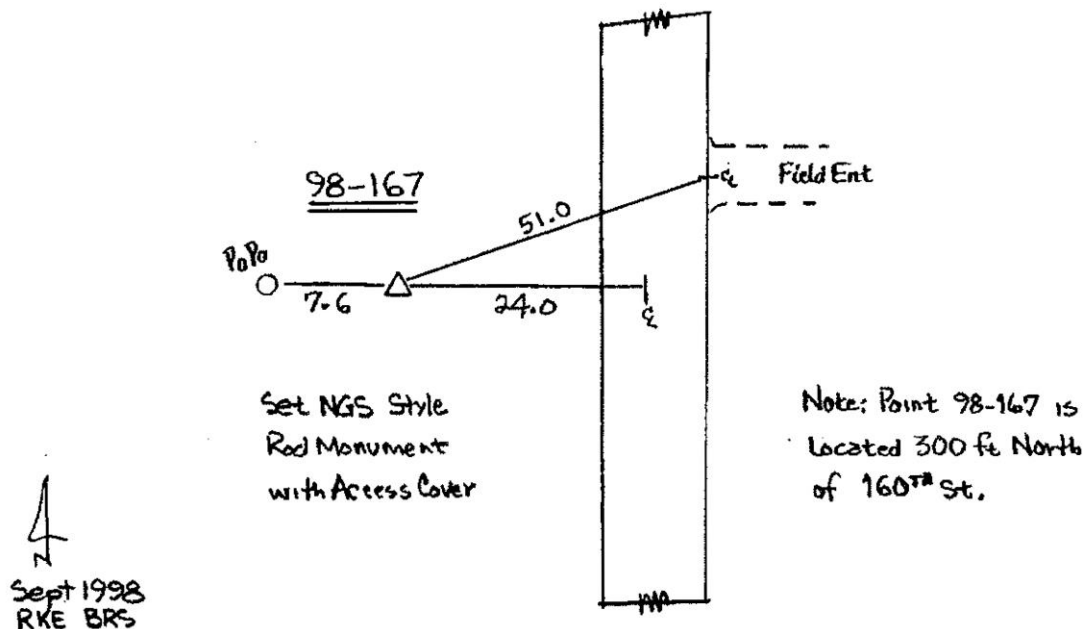
Mapping Angle: **0°38'27"** Combination Scale Factor: **0.9999049982**

IaRCS Zone 5 Northing: **8961799.441sft** Easting: **15418300.092sft**

Mapping Angle: **-0°12'23"** Combination Scale Factor: **0.9999924866**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **168**

Designation: Butler Co 98-168 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°46'24.74194"** Longitude: **W92°33'20.86666"**

NAVD 88 Ortho Height: **1019.110sft** Ellip. Ht: **915.397sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3746358.248sft** Easting: **5174752.554sft**

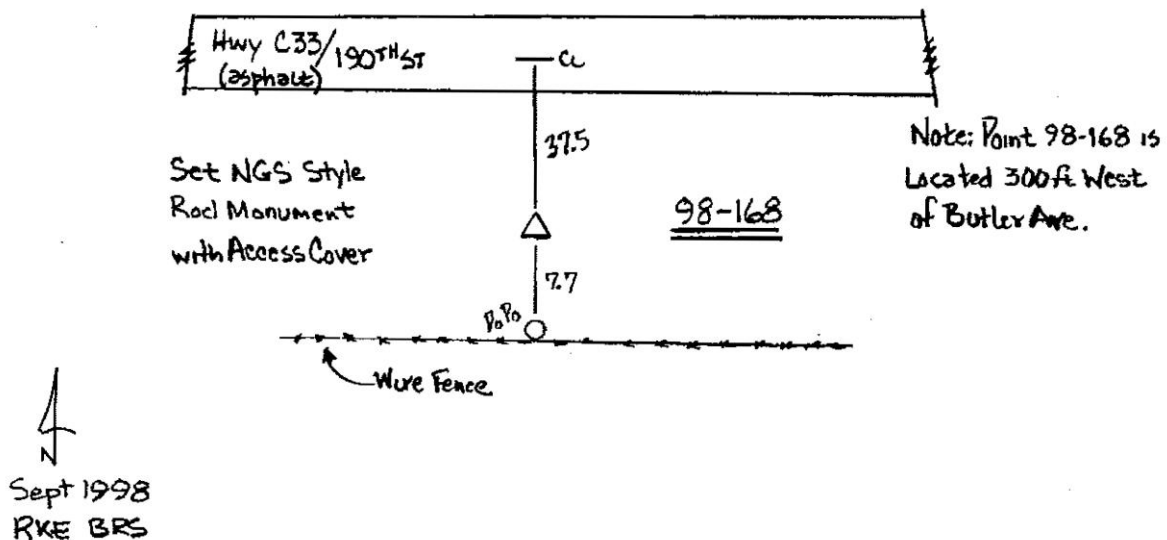
Mapping Angle: **0°38'24"** Combination Scale Factor: **0.9999033177**

IaRCS Zone 5 Northing: **8945174.906sft** Easting: **15417890.230sft**

Mapping Angle: **-0°12'26"** Combination Scale Factor: **0.9999905612**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **169**

Designation: Butler Co 98-169 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°43'48.13361"** Longitude: **W92°33'13.82226"**

NAVD 88 Ortho Height: **944.370sft**

Ellip. Ht: **840.591sft**

Geoid12B

Iowa North Zone (1401) Northing: **3730511.071sft** Easting: **5175455.329sft**

Mapping Angle: **0°38'29"**

Combination Scale Factor: **0.9999057812**

IaRCS Zone 5 Northing: **8929317.689sft**

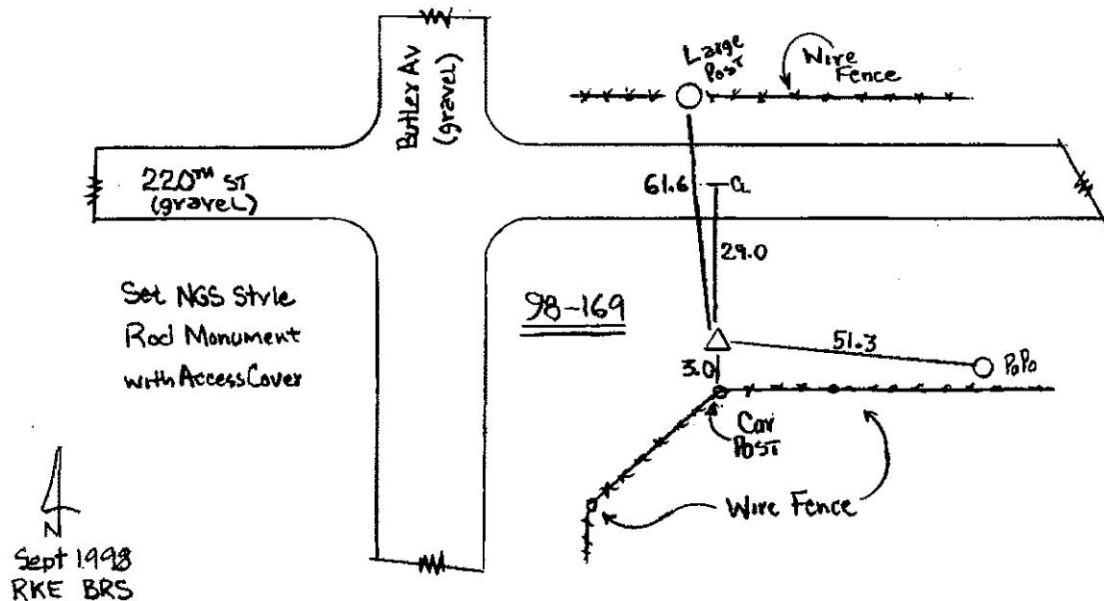
Easting: **15418358.679sft**

Mapping Angle: **-0°12'21"**

Combination Scale Factor: **0.9999927915**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **170**

Designation: Butler Co 98-170 (Set by ASI in 1998)

NAD 83(NA2011) Latitude: **N42°41'08.84579"** Longitude: **W92°33'14.52946"**

NAVD 88 Ortho Height: **943.746sft** Ellip. Ht: **839.929sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3714386.330sft** Easting: **5175582.984sft**

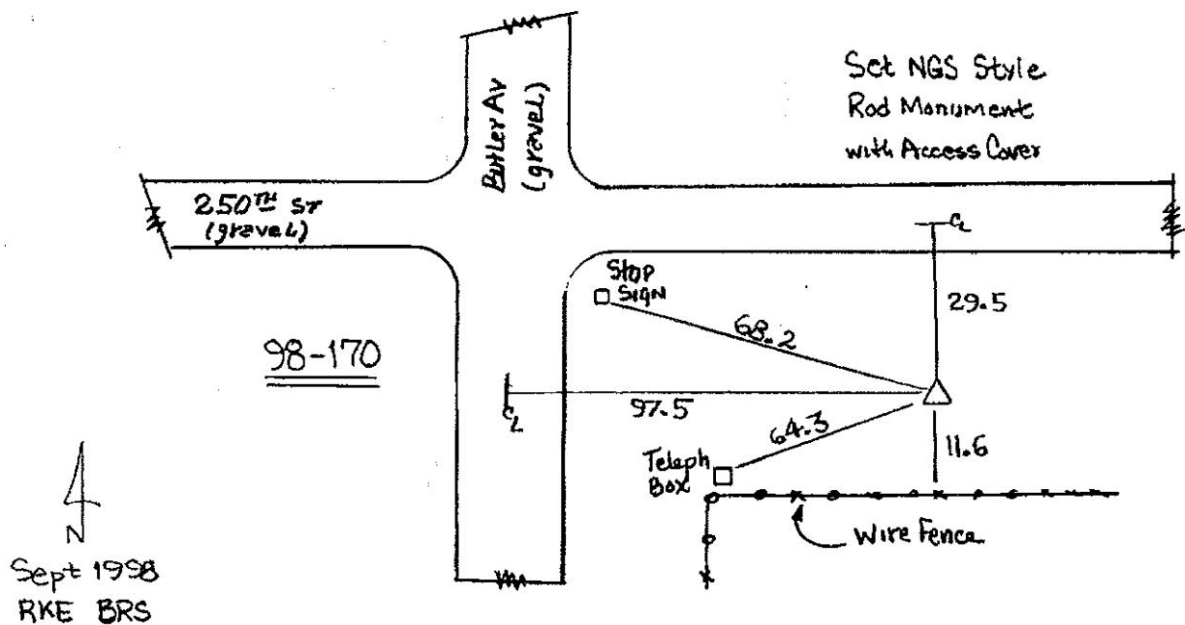
Mapping Angle: **0°38'28"** Combination Scale Factor: **0.9999052717**

IaRCS Zone 5 Northing: **8913191.421sft** Easting: **15418247.916sft**

Mapping Angle: **-0°12'22"** Combination Scale Factor: **0.9999920448**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **171**

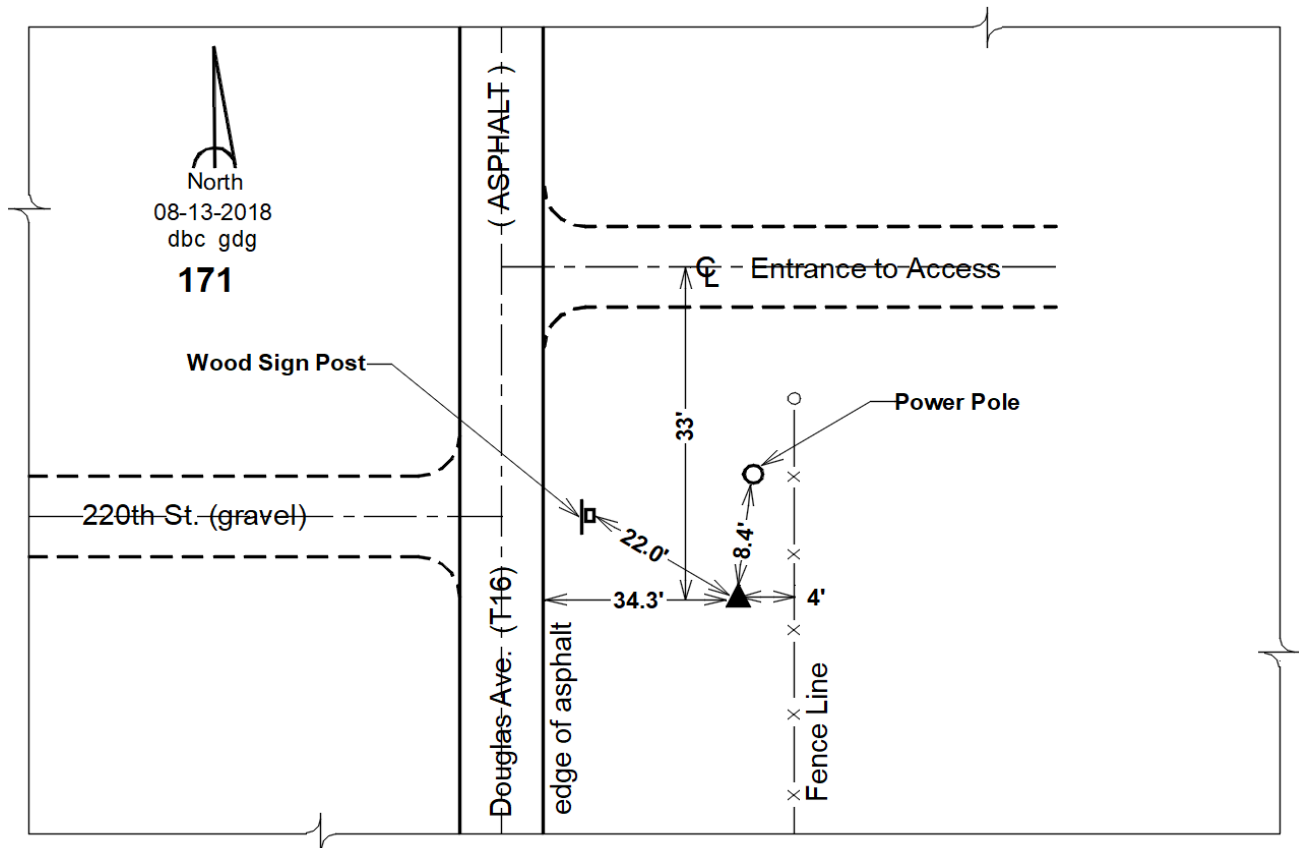
Designation: Butler Co 171 (Set by DCI in 2018)

NAD 83(NA2011) Latitude: **N42°43'49.30278"** Longitude: **W92°57'58.14206"**
NAVD 88 Ortho Height: **971.896sft** Ellip. Ht: **869.335sft** Geoid**12B**

Iowa North Zone (1401) Northing: **3729659.754sft** Easting: **5064680.841sft**
Mapping Angle: **0°21'43"** Combination Scale Factor: **0.9999044136**

IaRCS Zone 5 Northing: **8930104.172sft** Easting: **15307574.071sft**
Mapping Angle: **-0°29'07"** Combination Scale Factor: **0.9999914255**

Monument Type: 3/4"dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **172**

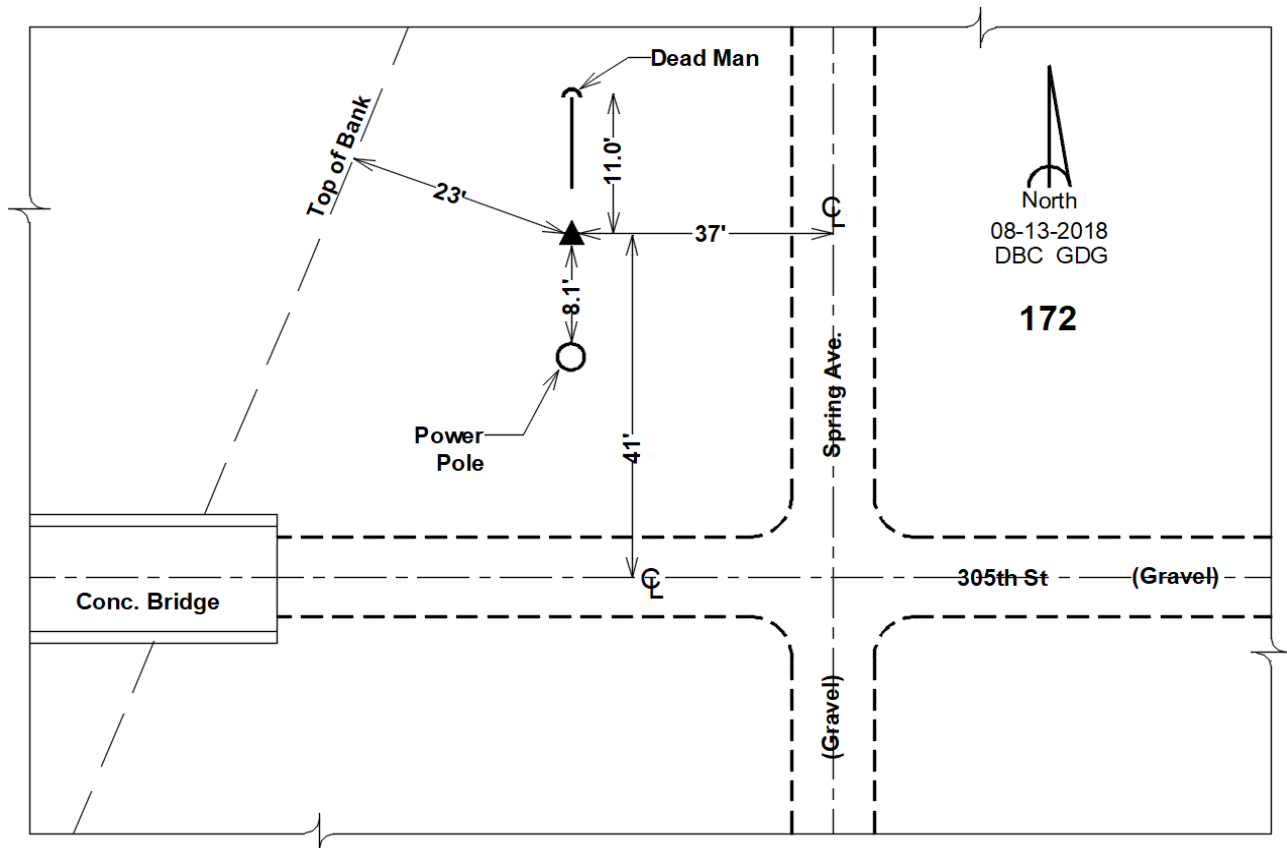
Designation: Butler Co 172 (Set by DCI in 2018)

NAD 83(NA2011) Latitude: **N42°36'23.54793"** Longitude: **W92°40'22.54241"**
NAVD 88 Ortho Height: **934.516sft** Ellip. Ht: **830.196sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3685171.302sft** Easting: **5143901.056sft**
Mapping Angle: **0°33'38"** Combination Scale Factor: **0.9999062530**

IaRCS Zone 5 Northing: **8884445.488sft** Easting: **15386134.753sft**
Mapping Angle: **-0°17'12"** Combination Scale Factor: **0.9999926018**

Monument Type: 3/4"dia. driven aluminum rod with a 2-1/2"dia. aluminum cap and permanenet magnet encased in a 5"dia. PVC pipe with an aluminum access cover.



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **202 (Destroyed)**

Designation: NGS 2nd order Vert. "S 29" PID:

NAD 83(1996) Latitude: ~~42-45-33.100110N~~ Longitude: ~~92-45-47.076397W~~

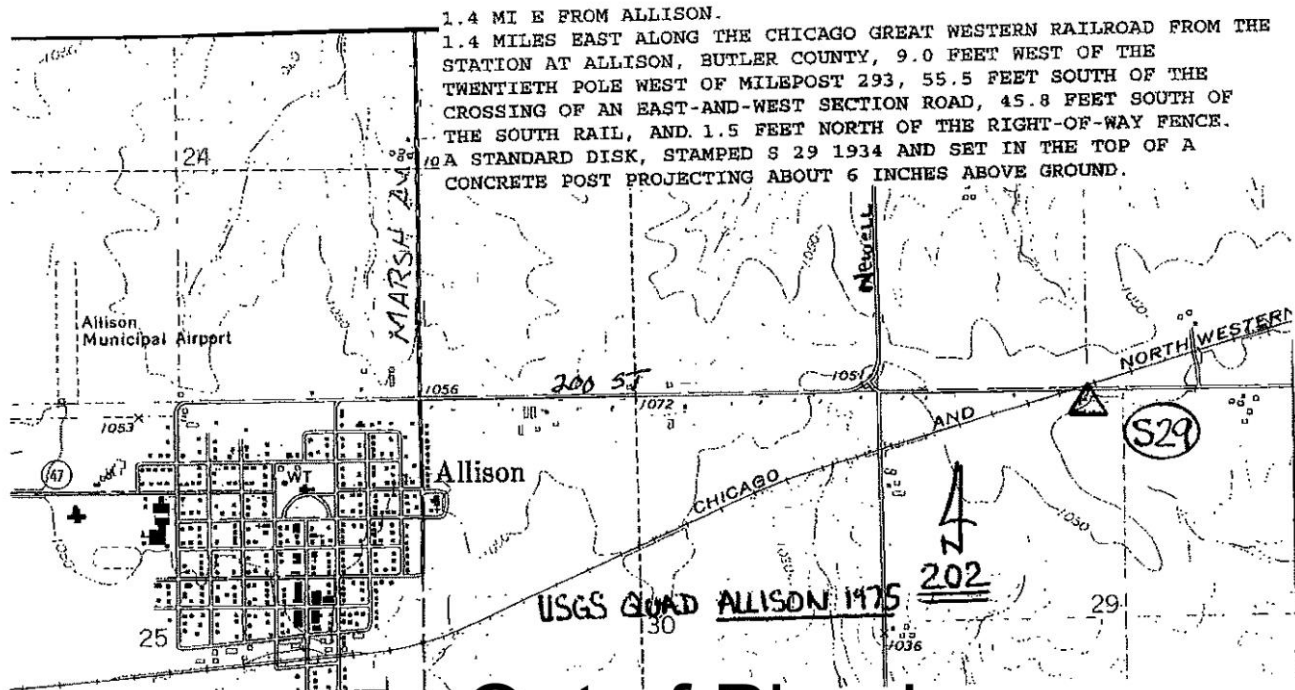
NAVD 88 Ortho Height: ~~1054.690~~sft Ellip. Ht: ~~951.287~~sft

Iowa North Zone (1401) Northing: ~~3740577.200~~sft Easting: ~~5119148.470~~sft

Mapping Angle: ~~0-29-58.00~~ Combination Scale Factor: ~~0.9999011400~~

Monument Type: A standard disk, stamped S 29 1934 and set in the top of a concrete post projecting about 12 inches above ground.

Date Printed December 28, 1998



Out of Plumb

This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **203**

Designation: NGS 2nd order Vert. "N 29" PID:NK0151

NAD 83(NA2011) Latitude: **N42°46'14.13461"** Longitude: **W92°54'43.85404"**

NAVD 88 Ortho Height: **1027.780sft** Ellip. Ht: **924.839sft** **Geoid12B**

Iowa North Zone (1401) Northing: **3744417.453sft** Easting: **5079078.647sft**

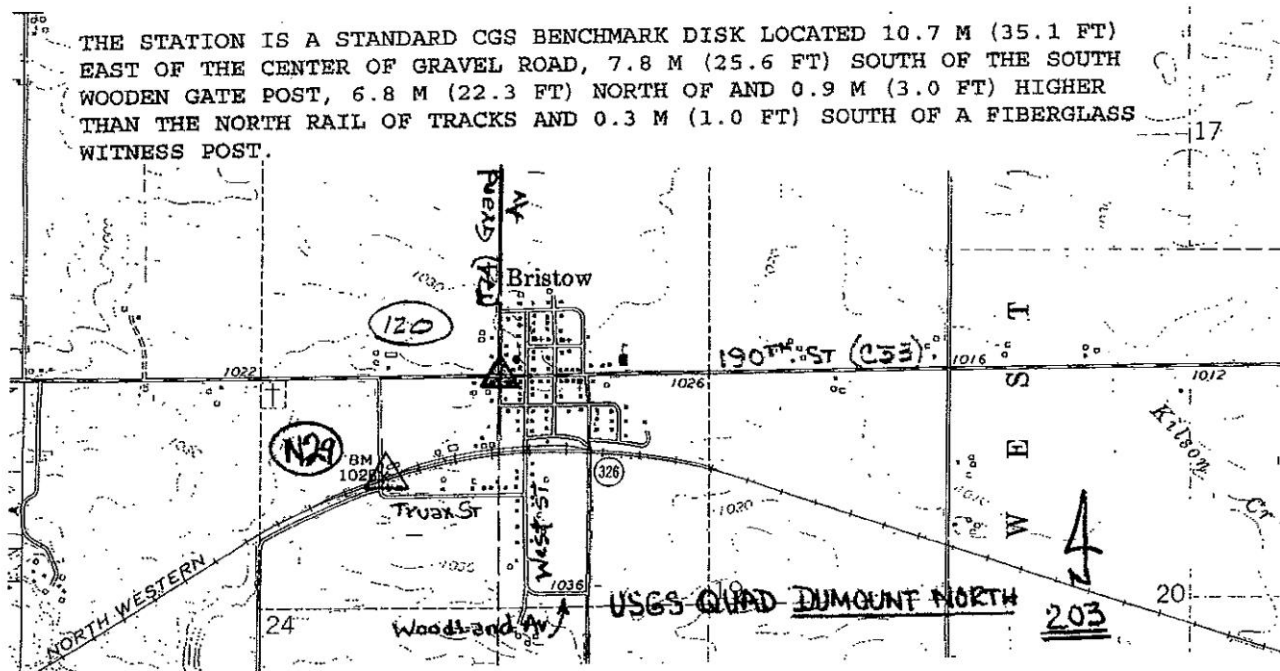
Mapping Angle: **0°23'54"** Combination Scale Factor: **0.9999027730**

IaRCS Zone 5 Northing: **8944648.686sft** Easting: **15322189.738sft**

Mapping Angle: **-0°26'55"** Combination Scale Factor: **0.9999900006**

Monument Type: A standard disk, stamped S 29 1934 and set in the top of a concrete post projecting about 12 inches above ground.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **204**

Designation: USGS 3rd order Vert. "3 CDL 1972"

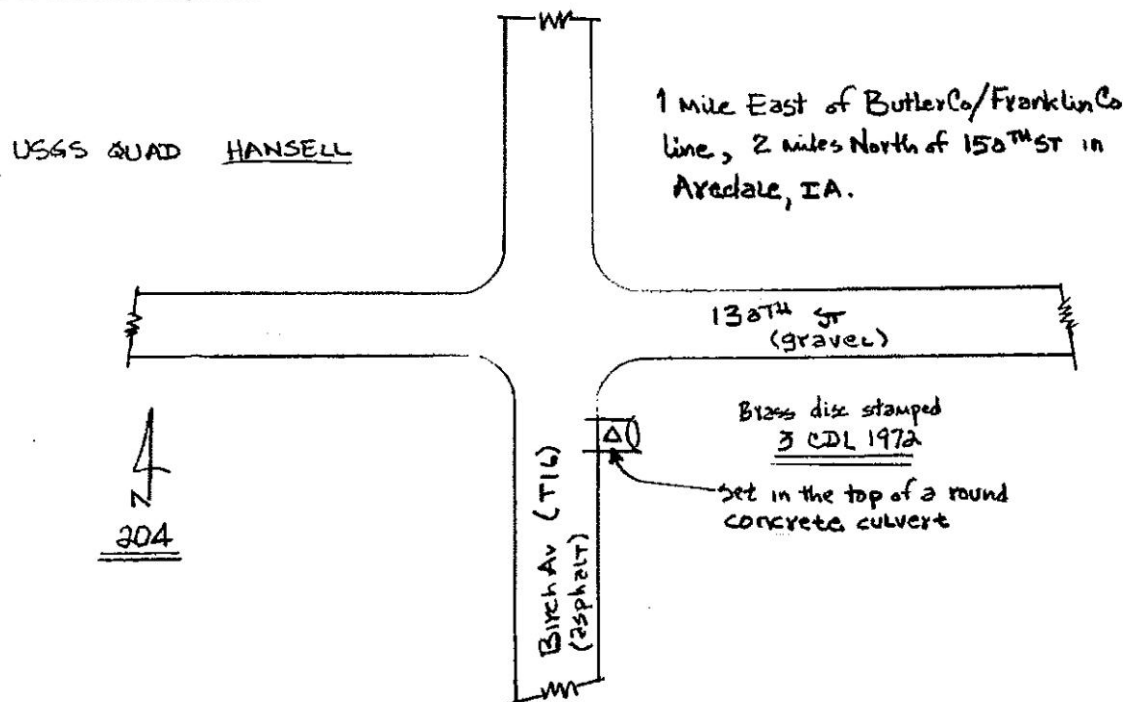
NAD 83(NA2011) Latitude: **N42°51'43.97401"** Longitude: **W93°00'19.90903"**
NAVD 88 Ortho Height: **1072.410sft** Ellip. Ht: **971.788sft** Geoid12B

Iowa North Zone (1401) Northing: **3777647.769sft** Easting: **5053819.644sft**
Mapping Angle: **0°20'06"** Combination Scale Factor: **0.9999046711**

laRCS Zone 5 Northing: **8978251.708sft** Easting: **15297422.564sft**
Mapping Angle: **-0°30'43"** Combination Scale Factor: **0.9999923908**

Monument Type: A standard disk, stamped 3 CDL 1972 and set in the top of a round concrete culvert.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane North Zone (1401)
Iowa Regional Coordinate System, Zone 5, Waterloo LCC
US Survey Feet
11/10/18

Point Name: **205**

Designation: USGS 3rd order Vert. "4 CDL 1972"

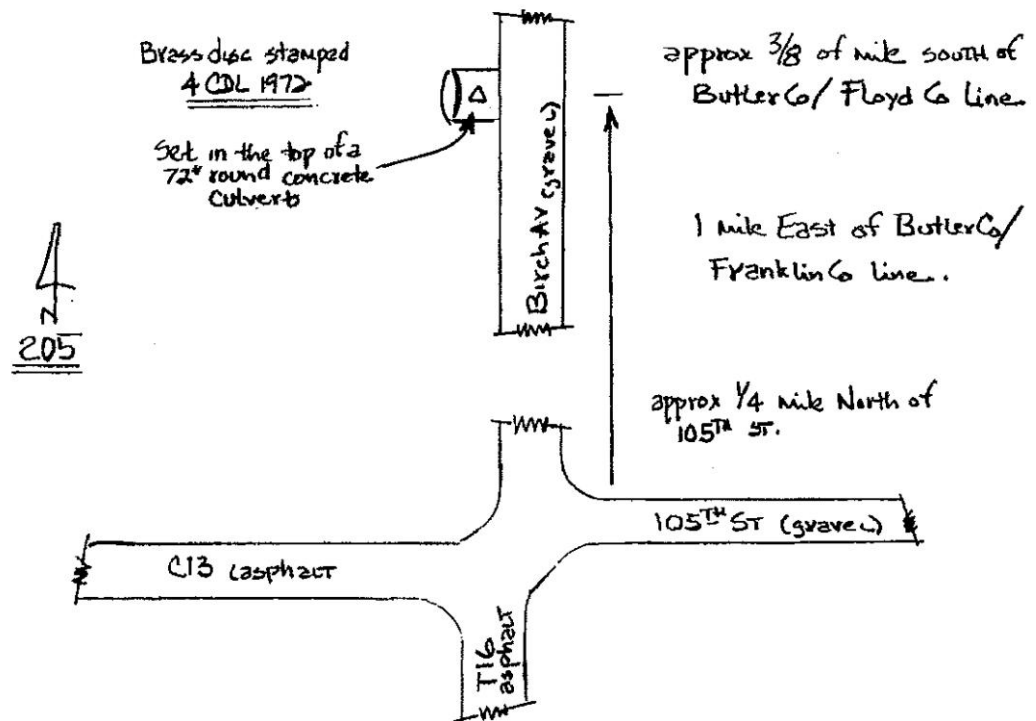
NAD 83(NA2011) Latitude: **N42°54'08.40816"** Longitude: **W93°00'19.65136"**
NAVD 88 Ortho Height: **1068.789sft** Ellip. Ht: **968.627sft** Geoid12B

Iowa North Zone (1401) Northing: **3792269.658sft** Easting: **5053753.297sft**
Mapping Angle: **0°20'07"** Combination Scale Factor: **0.9999074403**

IaRCS Zone 5 Northing: **8992874.264sft** Easting: **15297572.387sft**
Mapping Angle: **-0°30'43"** Combination Scale Factor: **0.9999953760**

Monument Type: A standard disk, stamped 4 CDL 1972 and set in the top of a round concrete culvert.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.

Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **300**

Designation: FBN "T 39" PID:NK0179

NAD 83(NA2011) Latitude: **N42°58'48.74439"**

Longitude: **W92°32'21.95086"**

NAVD 88 Ortho Height: **981.840sft**

Ellip. Ht: **879.270sft**

Geoid12B

Iowa North Zone (1401) Northing: **3821723.130sft**

Easting: **5178290.420sft**

Mapping Angle: **0°39'04"**

Combination Scale Factor: **0.9999181926**

IaRCS Zone 5 Northing: **9020485.858sft**

Easting: **15422542.341sft**

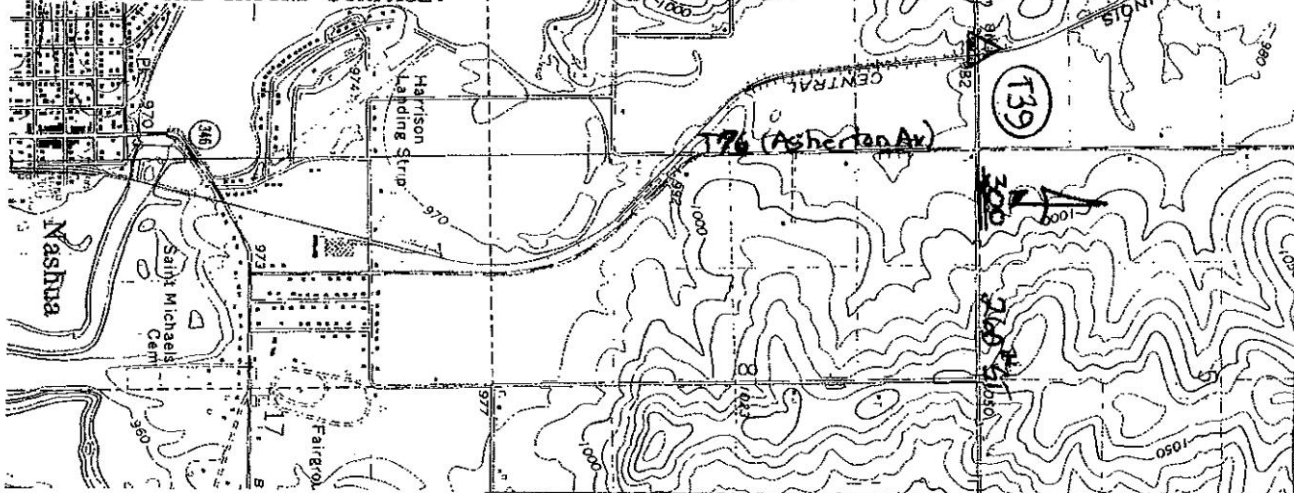
Mapping Angle: **-0°11'46"**

Combination Scale Factor: **1.0000065481**

Monument Type: The station is a standard CGS benchmark disk set in the top of a concrete post.

Date Printed December 28, 1998

TO THE STATION ON THE RIGHT, NORTHWEST OF THE CROSSING AND JUST EAST OF A FENCE AND WITNESS POST. STATION IS 14.8 M (48.6 FT) NORTH OF THE ROAD CENTER, 13.2 M (43.3 FT) WEST OF THE TRACKS WEST RAIL, 4.6 M (15.1 FT) NORTH OF THE FENCES SOUTHEAST CORNER POST, 1.0 M (3.3 FT) EAST OF THE FENCE, 0.8 M (2.6 FT) EAST OF A (PINK) STATE GEODETIC SURVEY MARKER/HARN STATION WITNESS POST, 0.3 M (1.0 FT) SOUTH OF A WITNESS POST, 0.2 M (0.7 FT) EAST OF A METAL WITNESS POST, AND THE MONUMENT IS ABOUT LEVEL WITH THE ROAD AND PROJECTING ABOUT 0.1 M (0.3 FT) ABOVE THE GROUND SURFACE.



Butler County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane North Zone (1401)

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

US Survey Feet

11/10/18

Point Name: **304**

Designation: CBN "Best" PID:NK0663

NAD 83(NA2011) Latitude: **N42°48'54.93513"**

Longitude: **W92°46'17.56183"**

NAVD 88 Ortho Height: **1053.967sft**

Ellip. Ht: **950.233sft**

Geoid12B

Iowa North Zone (1401) Northing: **3760989.390sft**

Easting: **5116698.359sft**

Mapping Angle: **0°29'37"**

Combination Scale Factor: **0.9999032595**

IaRCS Zone 5 Northing: **8960664.070sft**

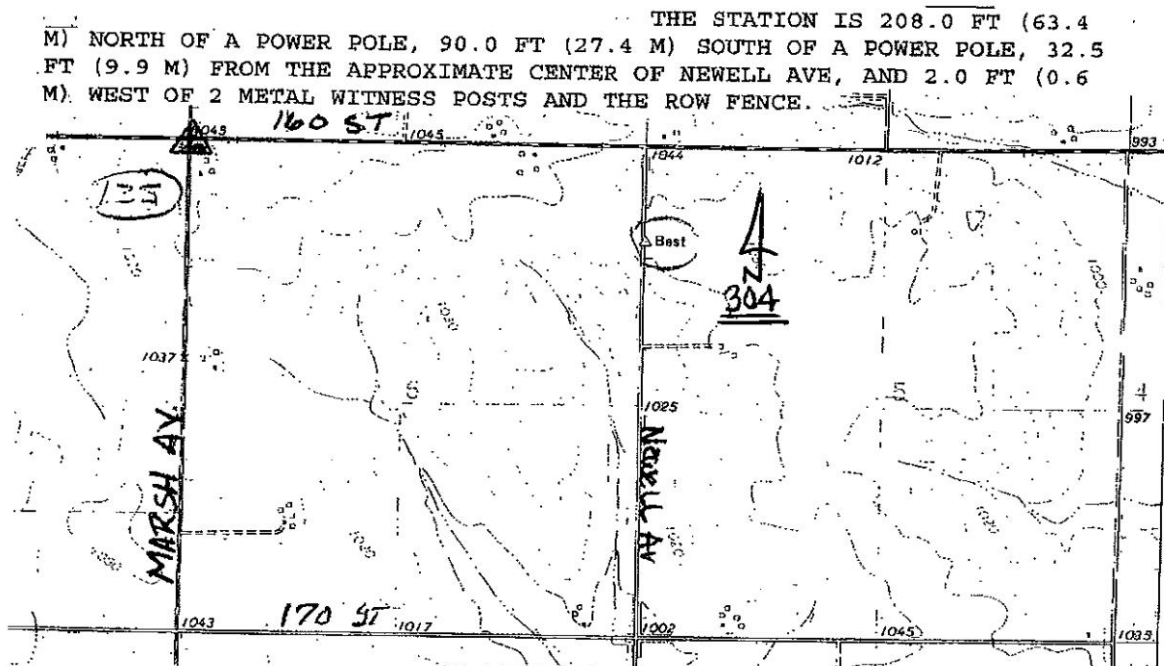
Easting: **15360053.633sft**

Mapping Angle: **-0°21'12"**

Combination Scale Factor: **0.9999907269**

Monument Type: The station is a traverse station disk set in the top of a round concrete monument.

Date Printed December 28, 1998



This document was prepared by Dan Corbin, Inc. on February 28th, 2019 for Butler County, Iowa.