

Johnson County
Iowa

**National Adjustment 2011
(NA2011)**

Monument
Records

2013

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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **1**

Designation: 92-01 Johnson County GPS Control Point (Set by ASI in 1992)

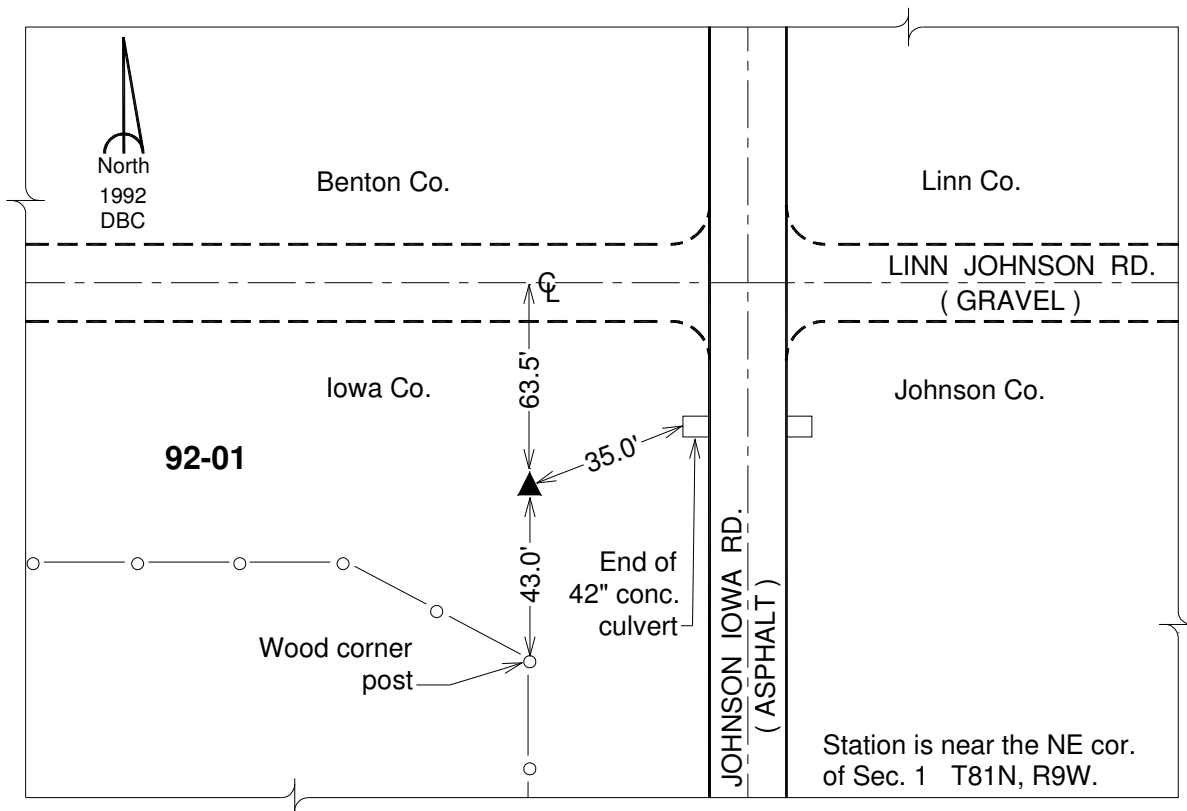
Northing: **682652.22sft** Easting: **2094886.45sft**

Orthometric Height: **780.83sft** Ellipsoid Height: **675.33sft** **Geoid12A**

Latitude: **N41°51'42.02394"** Longitude: **W91°49'53.67630"**

Mapping Angle: **1°05'56"** Combination Scale Factor: **0.999982626**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
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Point Name: **2**

Designation: 92-02 Johnson County GPS Control Point (Set by ASI in 1992)

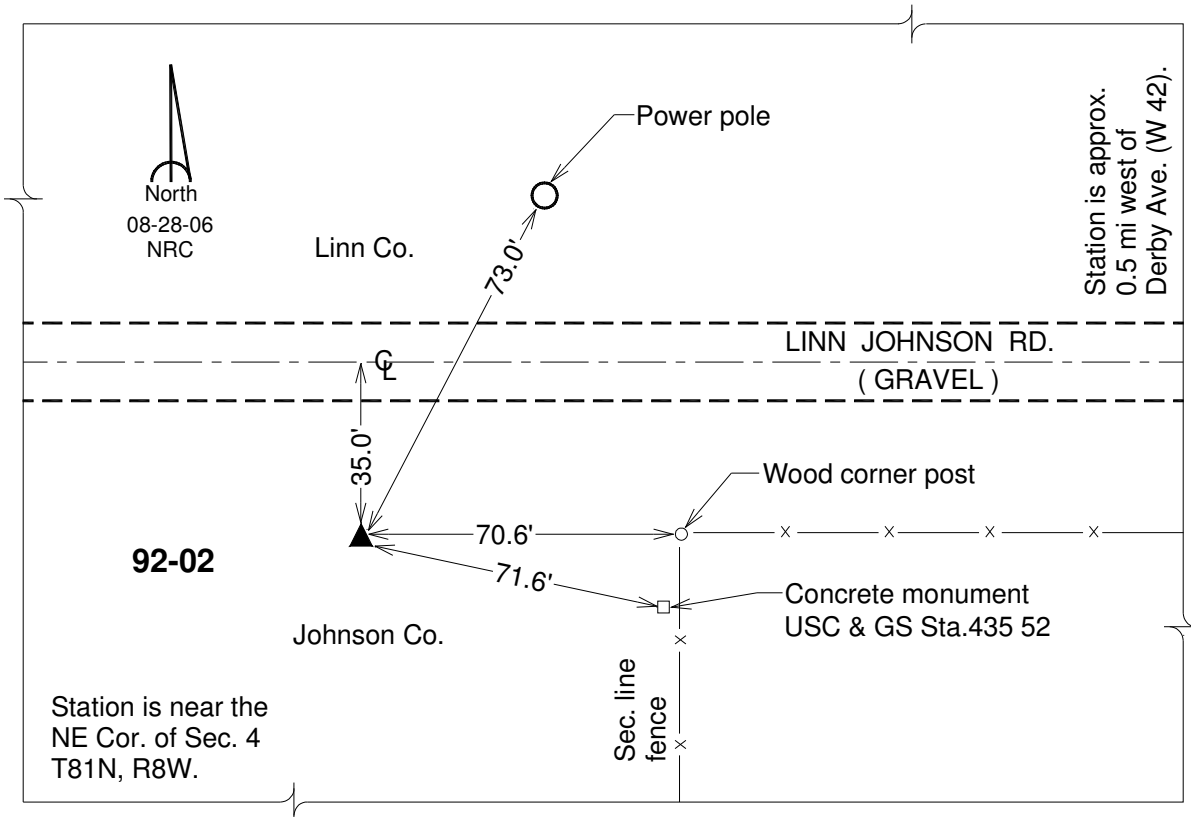
Northing: **683020.76sft** Easting: **2110729.21sft**

Orthometric Height: **806.32sft** Ellipsoid Height: **700.52sft** **Geoid12A**

Latitude: **N41°51'42.60988"** Longitude: **W91°46'24.25390"**

Mapping Angle: **1°08'14"** Combination Scale Factor: **0.999981457**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
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Point Name: **3**

Designation: 92-03 Johnson County GPS Control Point (Set by ASI in 1992)

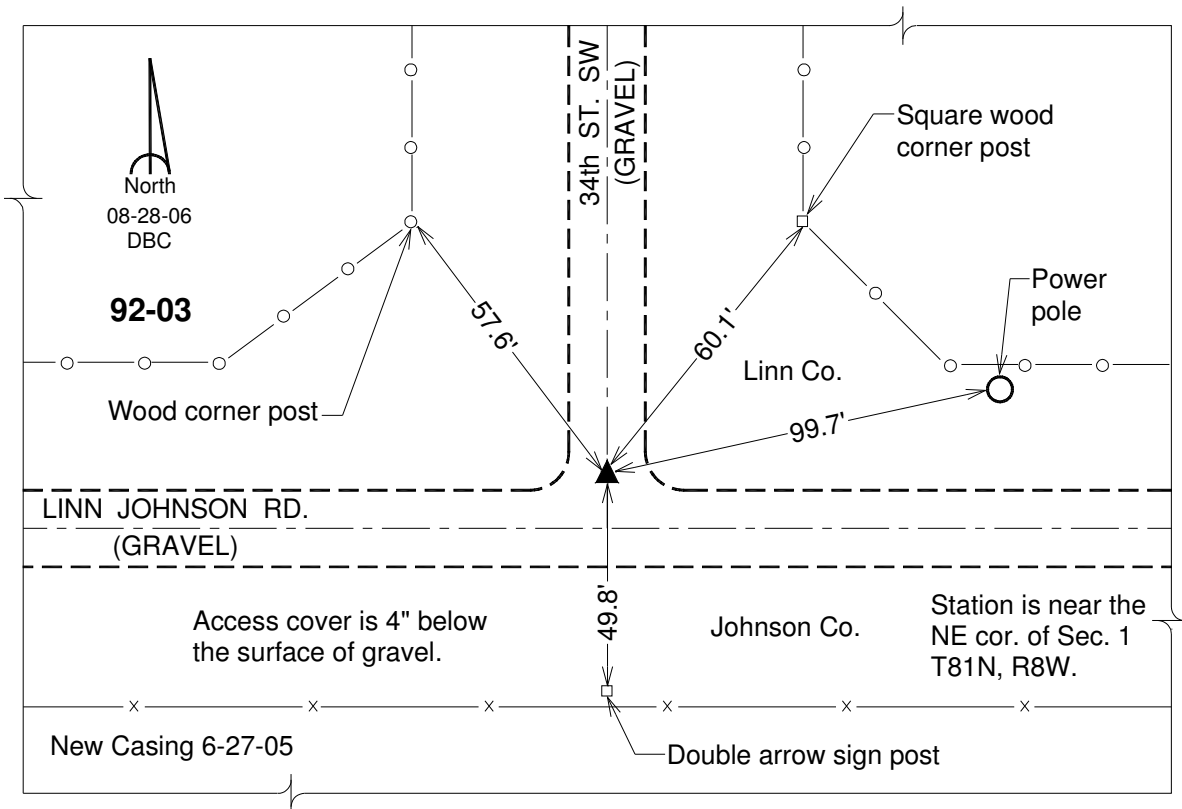
Northing: **683435.69sft** Easting: **2126761.95sft**

Orthometric Height: **795.26sft** Ellipsoid Height: **689.16sft** **Geoid12A**

Latitude: **N41°51'43.51078"** Longitude: **W91°42'52.30805"**

Mapping Angle: **1°10'34"** Combination Scale Factor: **0.999982050**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
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Point Name: **4**

Designation: 92-04 Johnson County GPS Control Point (Set by ASI in 1992)

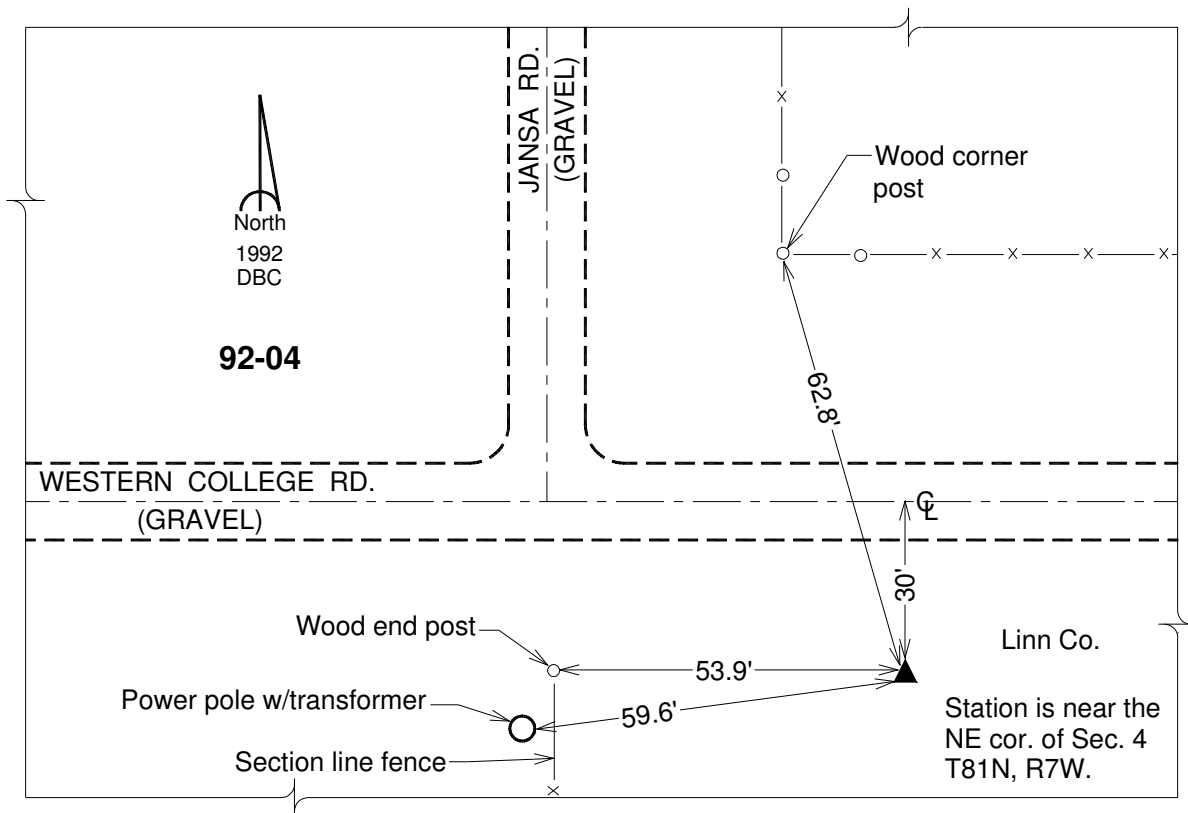
Northing: **684754.07sft** Easting: **2142703.69sft**

Orthometric Height: **846.15sft** Ellipsoid Height: **739.82sft** **Geoid12A**

Latitude: **N41°51'53.24663"** Longitude: **W91°39'21.30978"**

Mapping Angle: **1°12'53"** Combination Scale Factor: **0.999980179**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
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Point Name: **5**

Designation: 92-05 Johnson County GPS Control Point (Set by ASI in 1992)

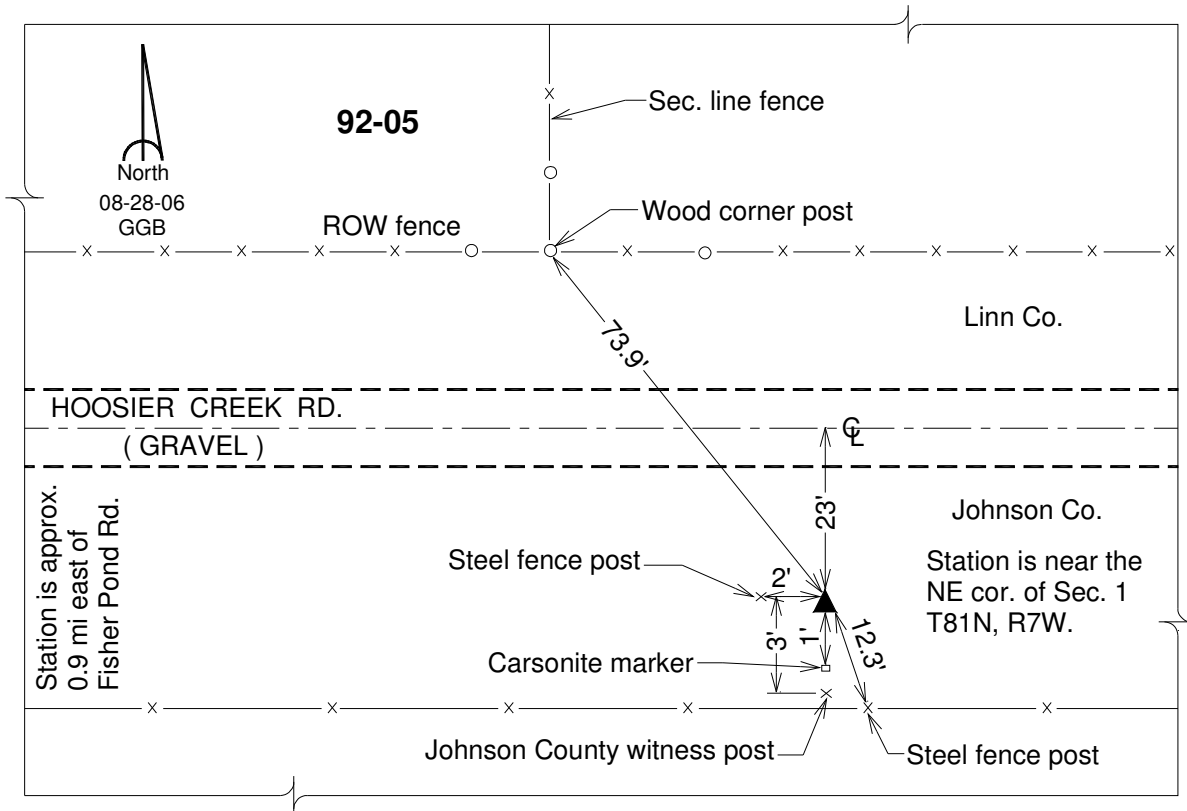
Northing: **683588.30sft** Easting: **2157951.85sft**

Orthometric Height: **793.04sft** Ellipsoid Height: **686.51sft** **Geoid12A**

Latitude: **N41°51'38.49098"** Longitude: **W91°36'00.17560"**

Mapping Angle: **1°15'05"** Combination Scale Factor: **0.999981895**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **6**

Designation: 92-06 Johnson County GPS Control Point (Set by ASI in 1992)

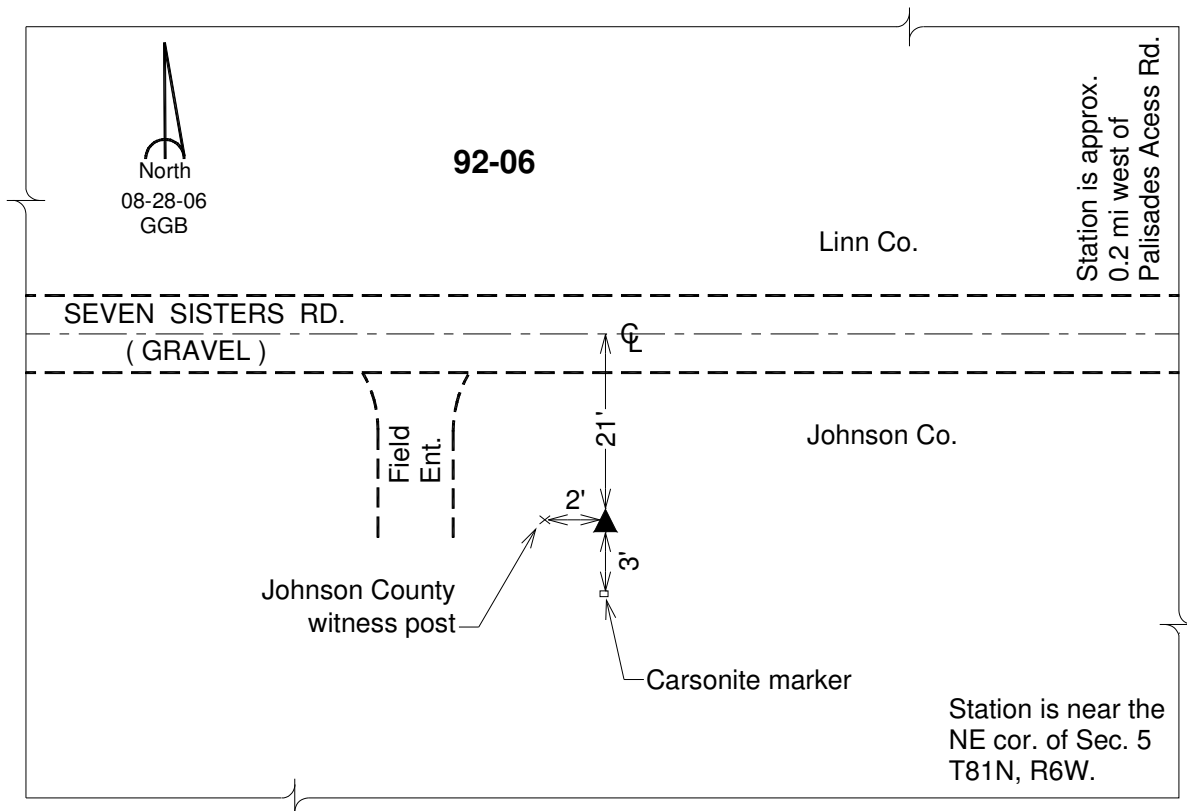
Northing: **683757.87**sft Easting: **2174706.11**sft

Orthometric Height: **825.33**sft Ellipsoid Height: **718.66**sft **Geoid12A**

Latitude: **N41°51'36.49223"** Longitude: **W91°32'18.77211"**

Mapping Angle: **1°17'31"** Combination Scale Factor: **0.999980250**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: 7

Designation: 92-07 Johnson County GPS Control Point (Set by ASI in 1992)

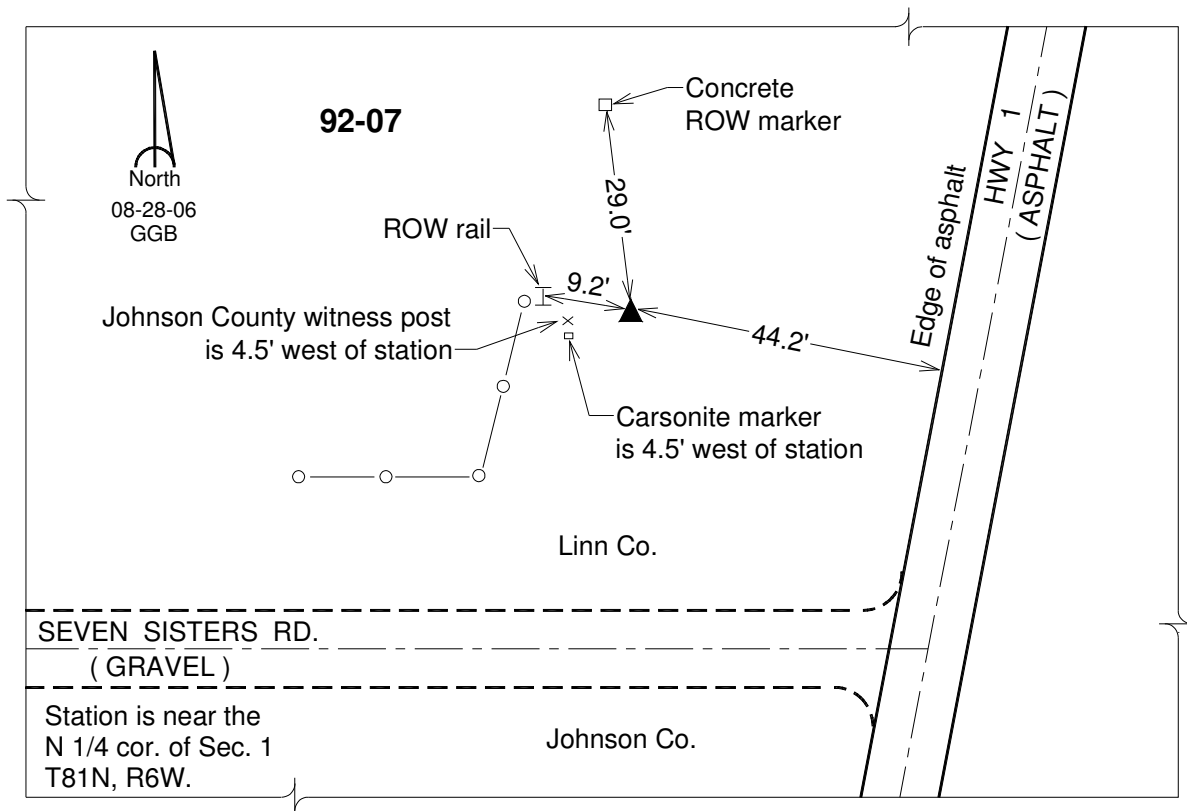
Northing: **683973.18sft** Easting: **2186981.78sft**

Orthometric Height: **865.74sft** Ellipsoid Height: **759.00sft** **Geoid12A**

Latitude: **N41°51'35.85289"** Longitude: **W91°29'36.52667"**

Mapping Angle: **1°19'18"** Combination Scale Factor: **0.999978289**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **8**

Designation: 92-08 Johnson County GPS Control Point (Set by ASI in 1992)

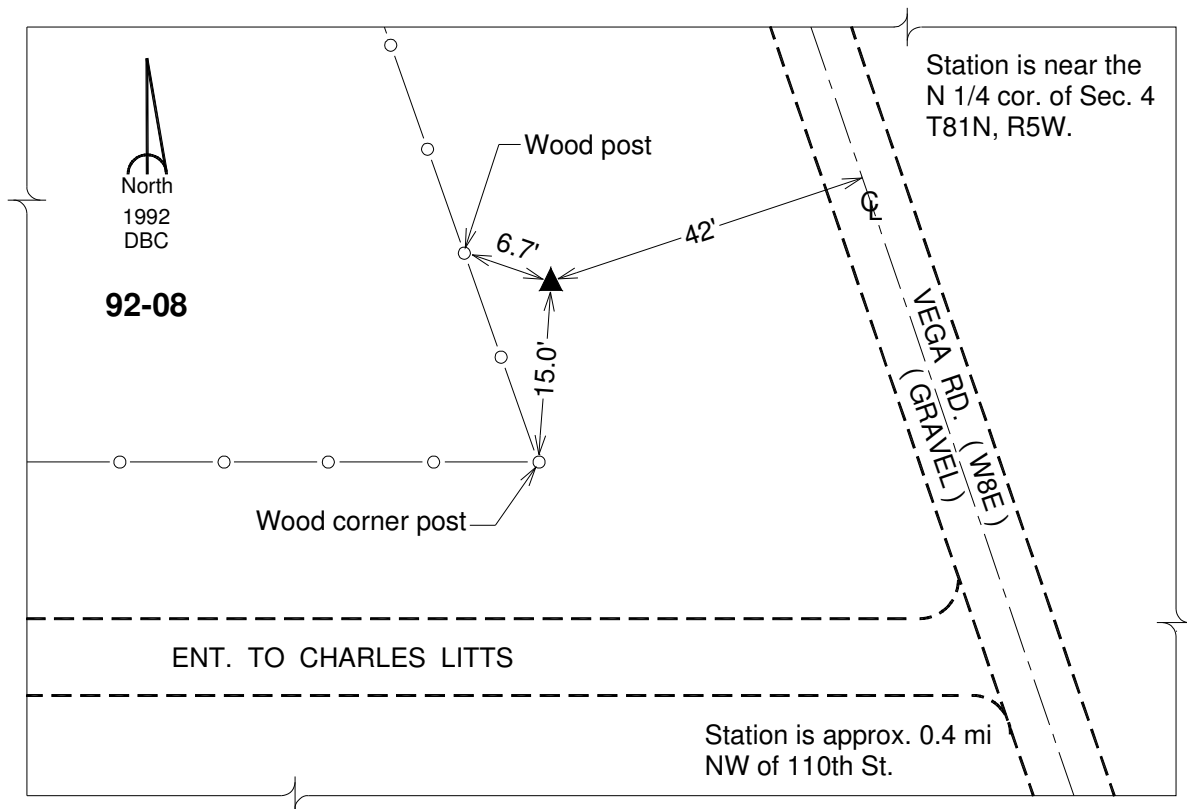
Northing: **684368.55sft** Easting: **2203649.38sft**

Orthometric Height: **721.71sft** Ellipsoid Height: **614.86sft** **Geoid12A**

Latitude: **N41°51'35.90181"** Longitude: **W91°25'56.20320"**

Mapping Angle: **1°21'43"** Combination Scale Factor: **0.999985169**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **9**

Designation: 92-09 Johnson County GPS Control Point (Set by ASI in 1992)

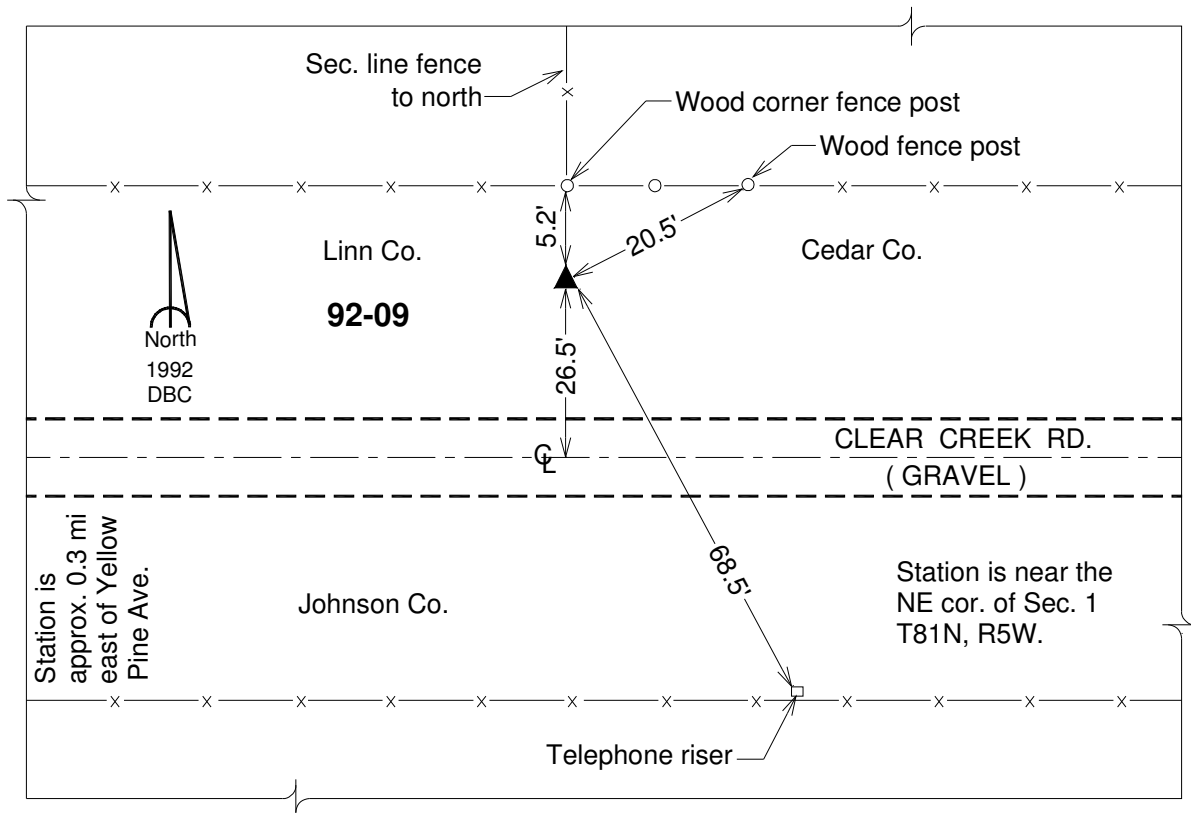
Northing: **684865.71sft** Easting: **2221638.33sft**

Orthometric Height: **736.35sft** Ellipsoid Height: **629.46sft** **Geoid12A**

Latitude: **N41°51'36.52021"** Longitude: **W91°21'58.39029"**

Mapping Angle: **1°24'20"** Combination Scale Factor: **0.999984507**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **10**

Designation: 92-10 Johnson County GPS Control Point (Set by ASI in 1992)

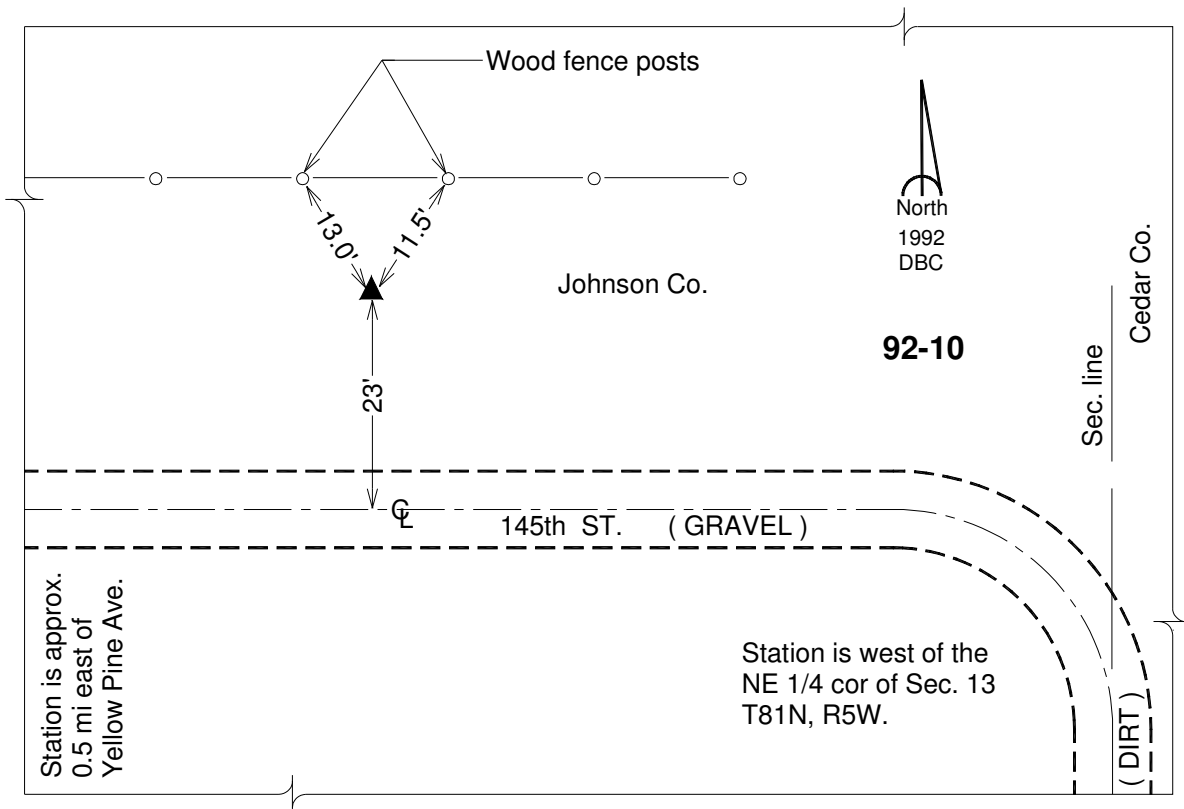
Northing: **672981.63sft** Easting: **2221751.42sft**

Orthometric Height: **732.93sft** Ellipsoid Height: **625.98sft** **Geoid12A**

Latitude: **N41°49'39.12462"** Longitude: **W91°22'00.74725"**

Mapping Angle: **1°24'18"** Combination Scale Factor: **0.999978279**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **12**

Designation: 92-12 Johnson County GPS Control Point (Set by ASI in 1992)

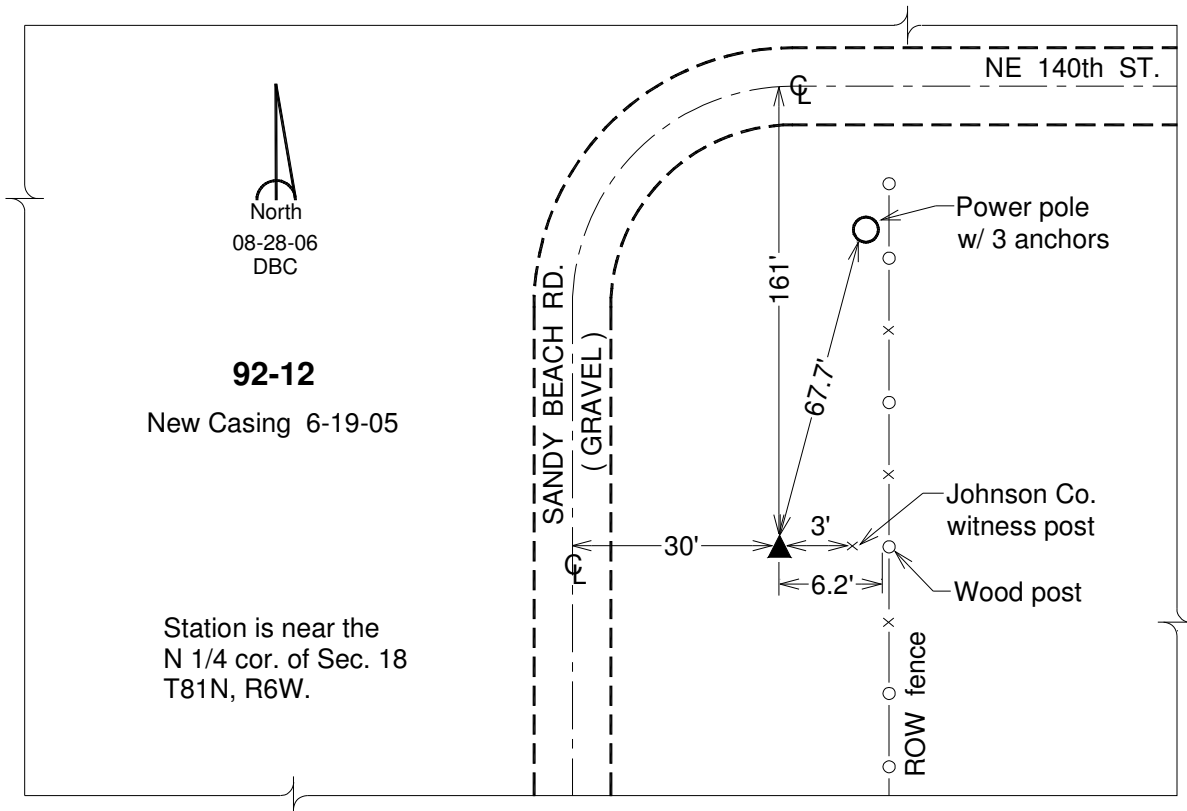
Northing: **673375.27sft** Easting: **2161064.52sft**

Orthometric Height: **811.74sft** Ellipsoid Height: **705.10sft** **Geoid12A**

Latitude: **N41°49'56.94673"** Longitude: **W91°35'22.01552"**

Mapping Angle: **1°15'31"** Combination Scale Factor: **0.999975453**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **13**

Designation: 92-13 Johnson County GPS Control Point (Set by ASI in 1992)

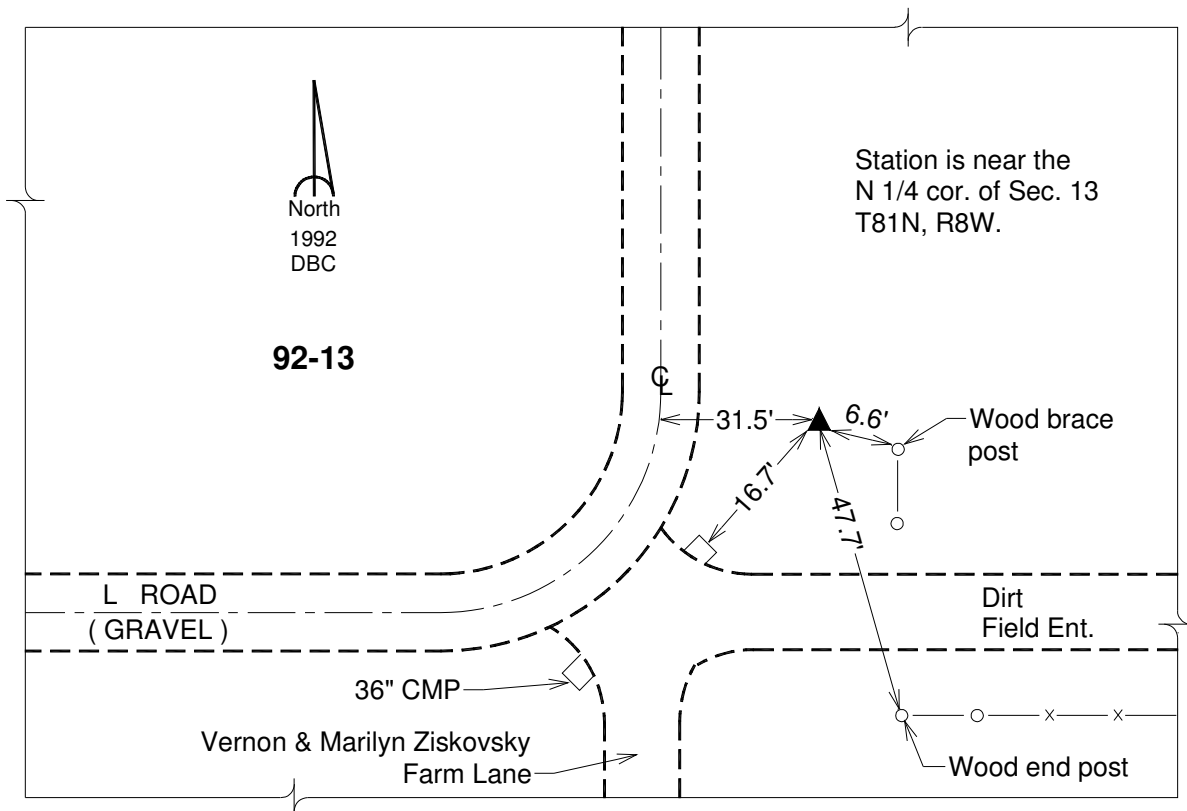
Northing: **672774.52sft** Easting: **2124340.80sft**

Orthometric Height: **746.86sft** Ellipsoid Height: **640.66sft** **Geoid12A**

Latitude: **N41°49'58.70025"** Longitude: **W91°43'27.17384"**

Mapping Angle: **1°10'11"** Combination Scale Factor: **0.999978622**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **14**

Designation: 92-14 Johnson County GPS Control Point (Set by ASI in 1992)

Northing: **672099.60sft** Easting: **2095513.00sft**

Orthometric Height: **861.38sft** Ellipsoid Height: **755.68sft** **Geoid12A**

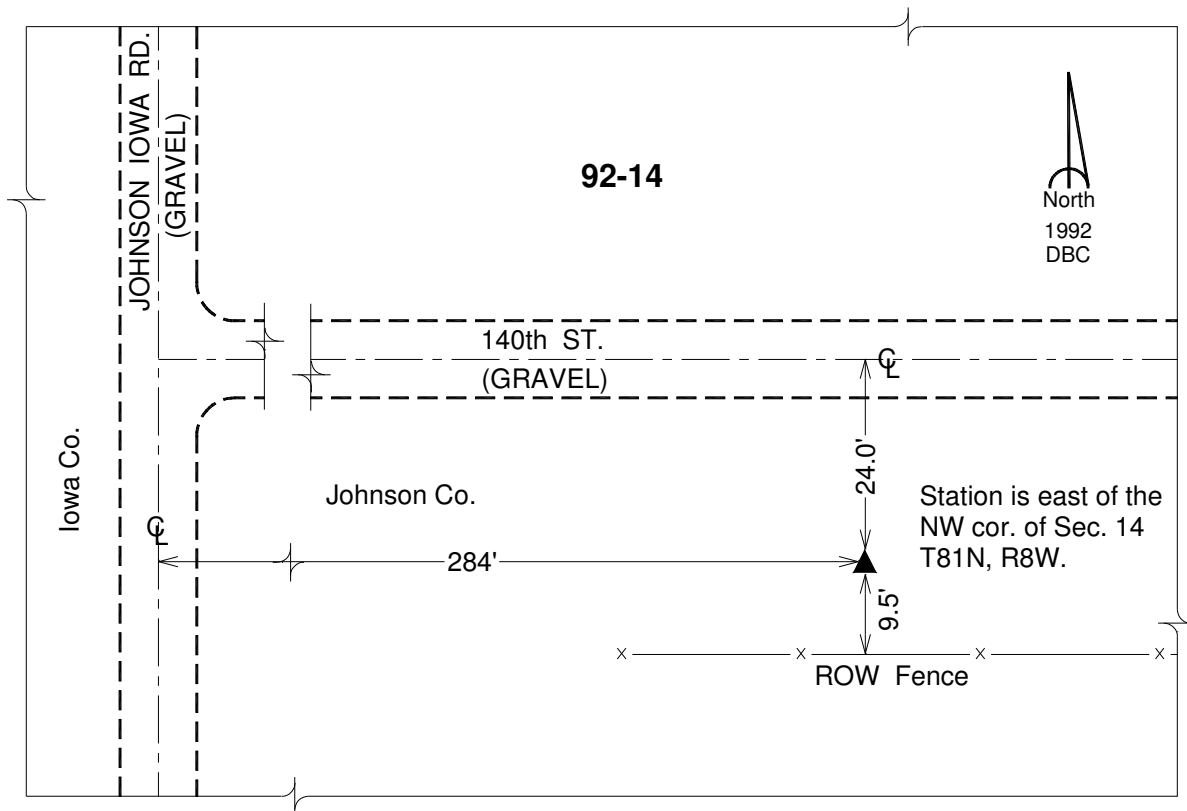
Latitude: **N41°49'57.67449"**

Longitude: **W91°49'48.07494"**

Mapping Angle: **1°06'00"**

Combination Scale Factor: **0.999973079**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



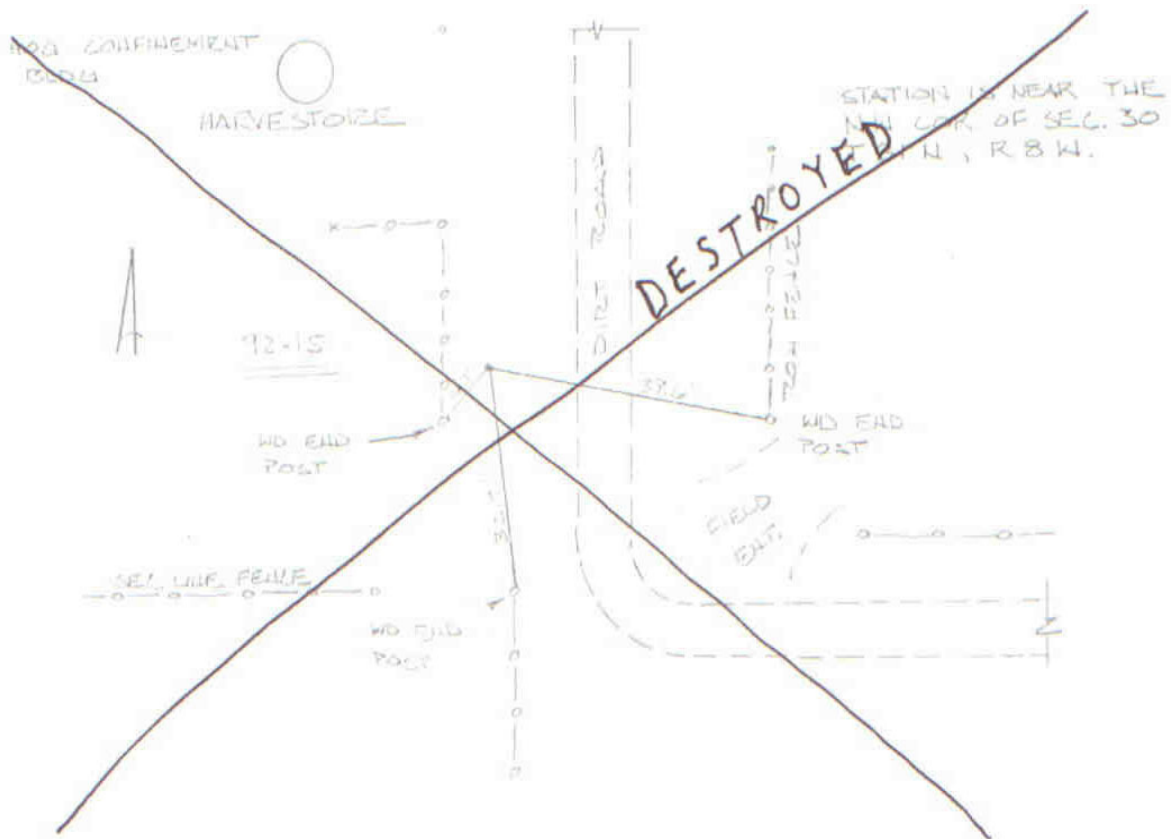
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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
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Point Name: **15**

Designation: DESTROYED - MARK NOT FOUND

Monument Type:



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Point Name: **16**

Designation: 92-16 Johnson County GPS Control Point (Set by ASI in 1992)

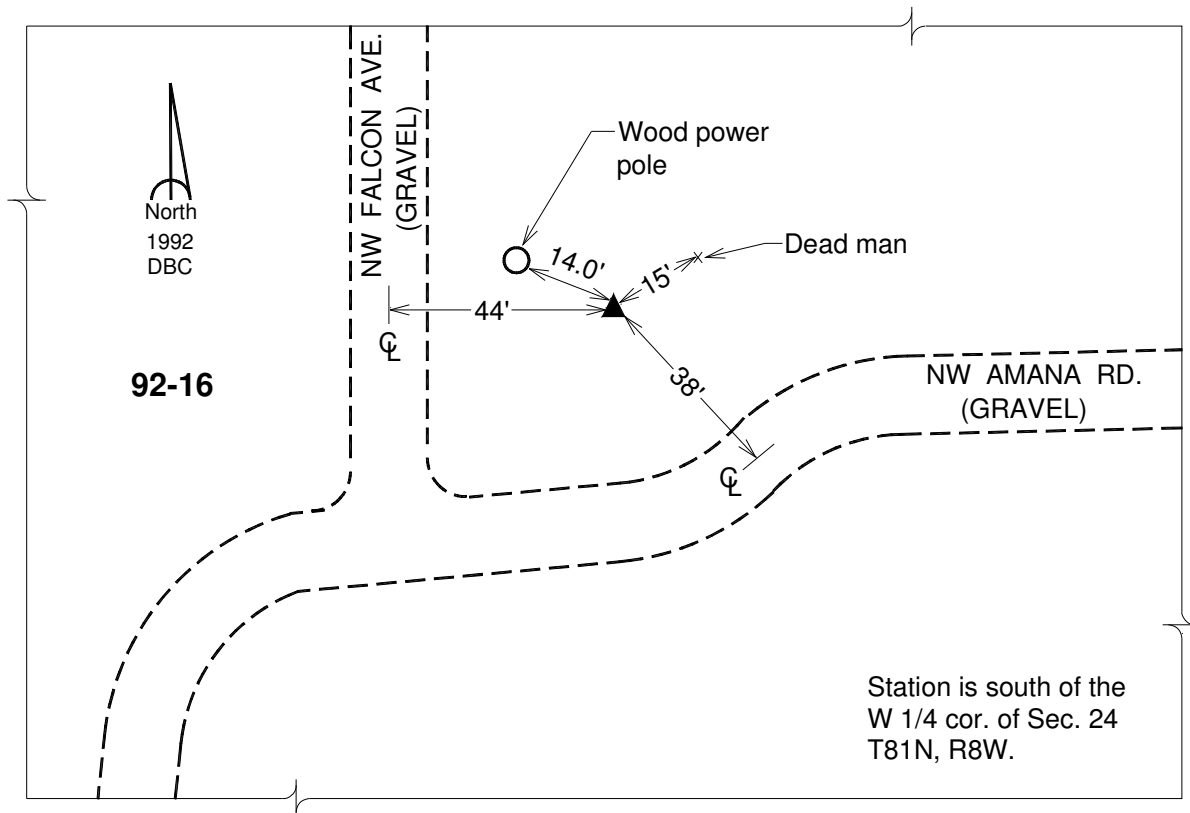
Northing: **664071.24sft** Easting: **2121807.26sft**

Orthometric Height: **739.19sft** Ellipsoid Height: **632.92sft** **Geoid12A**

Latitude: **N41°48'33.24667"** Longitude: **W91°44'02.96750"**

Mapping Angle: **1°09'47"** Combination Scale Factor: **0.999974501**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **17**

Designation: 92-17 Johnson County GPS Control Point (Set by ASI in 1992)

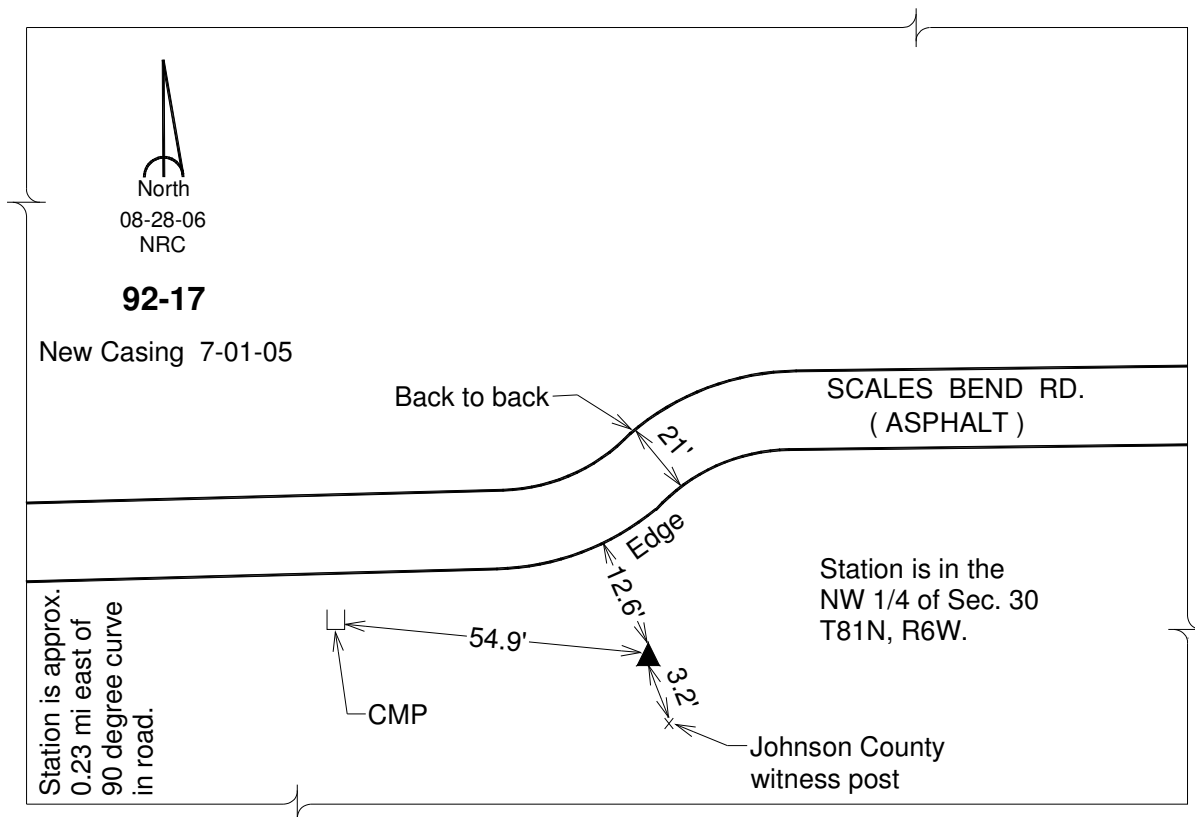
Northing: **661347.55sft** Easting: **2160093.48sft**

Orthometric Height: **732.06sft** Ellipsoid Height: **625.34sft** **Geoid12A**

Latitude: **N41°47'58.36189"** Longitude: **W91°35'38.32041"**

Mapping Angle: **1°15'20"** Combination Scale Factor: **0.999973080**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **18**

Designation: 92-18 Johnson County GPS Control Point (Set by ASI in 1992)

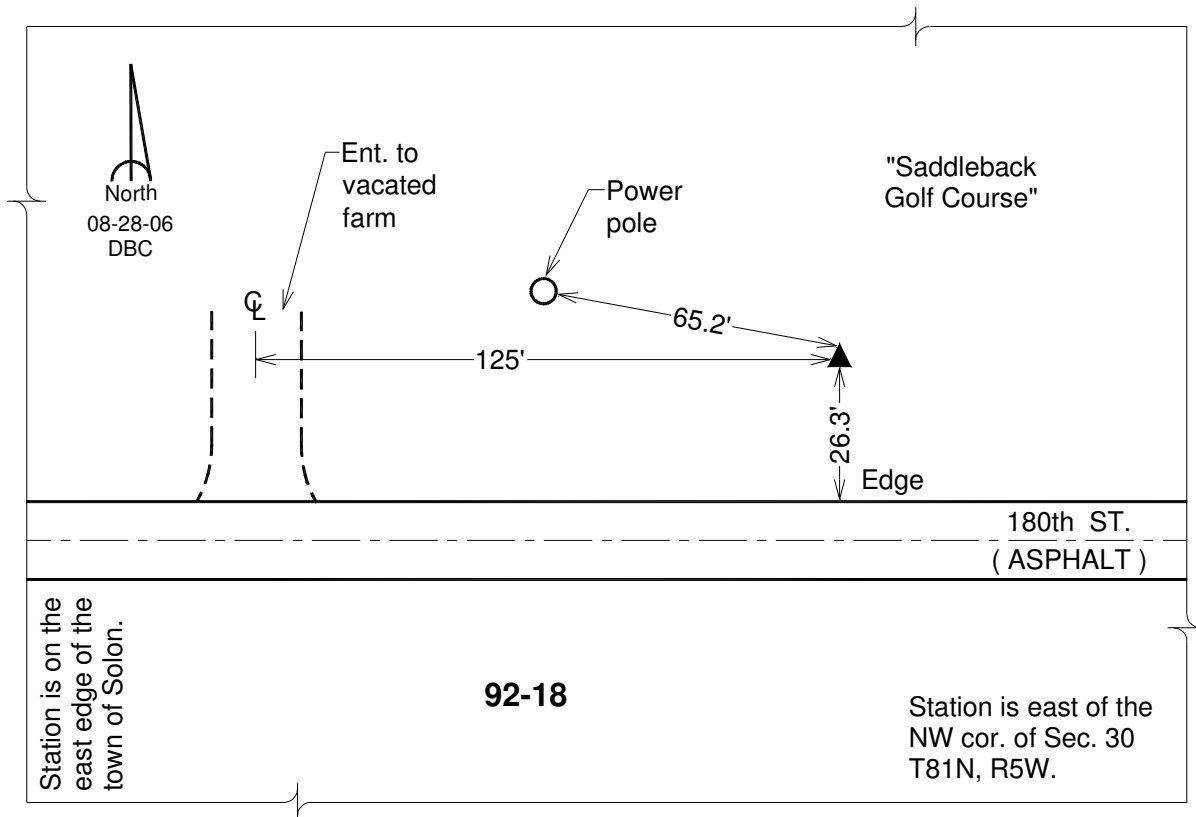
Northing: **662971.81sft** Easting: **2190862.11sft**

Orthometric Height: **804.02sft** Ellipsoid Height: **697.15sft** **Geoid12A**

Latitude: **N41°48'07.54671"** Longitude: **W91°28'51.70338"**

Mapping Angle: **1°19'48"** Combination Scale Factor: **0.999970121**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
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Horiz. Datum: **NAD83(NA2011)**
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US Survey Feet
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Point Name: **19**

Designation: 92-19 Johnson County GPS Control Point (Set by ASI in 1992)

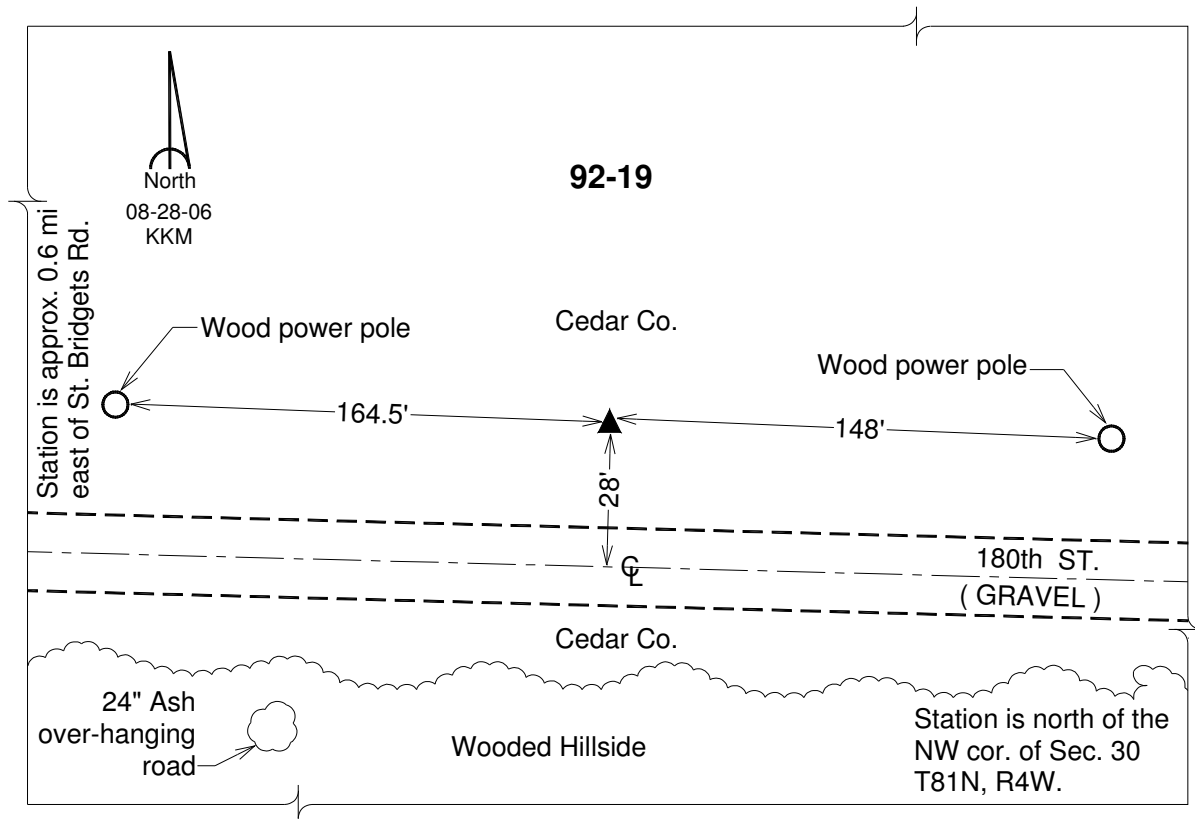
Northing: **664122.16sft** Easting: **2222507.90sft**

Orthometric Height: **710.87sft** Ellipsoid Height: **603.90sft** **Geoid12A**

Latitude: **N41°48'11.44348"** Longitude: **W91°21'53.63058"**

Mapping Angle: **1°24'23"** Combination Scale Factor: **0.999974769**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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 Vert. Datum: NAVD 1988
 US Survey Feet
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Point Name: **20**

Designation: 92-20 Johnson County GPS Control Point (Set by ASI in 1992)

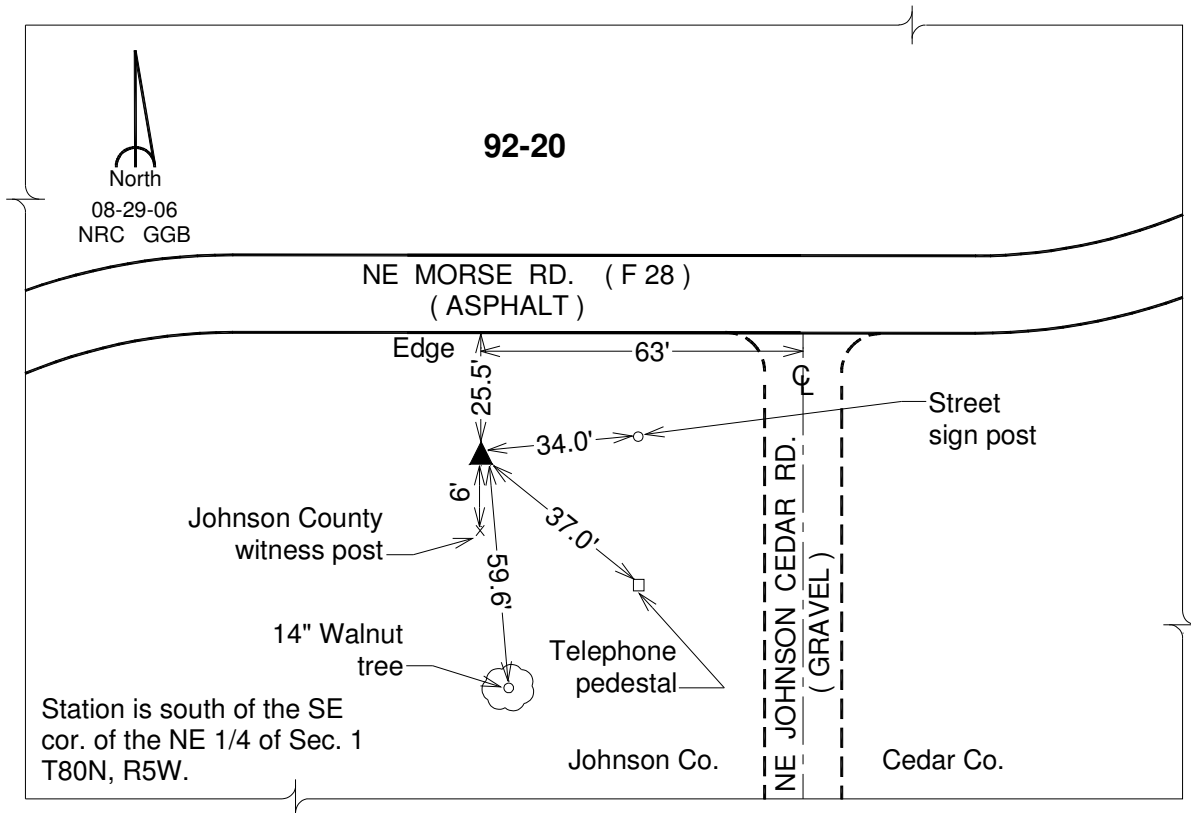
Northing: **651628.70**sft Easting: **2222471.91**sft

Orthometric Height: **825.17**sft Ellipsoid Height: **718.18**sft **Geoid12A**

Latitude: **N41°46'08.06305"** Longitude: **W91°21'58.15189"**

Mapping Angle: **1°24'20"** Combination Scale Factor: **0.999963202**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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US Survey Feet
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Point Name: **21**

Designation: 92-21 Johnson County GPS Control Point (Set by ASI in 1992)

Northing: **652071.41**sft Easting: **2190677.81**sft

Orthometric Height: **823.71**sft Ellipsoid Height: **716.81**sft **Geoid12A**

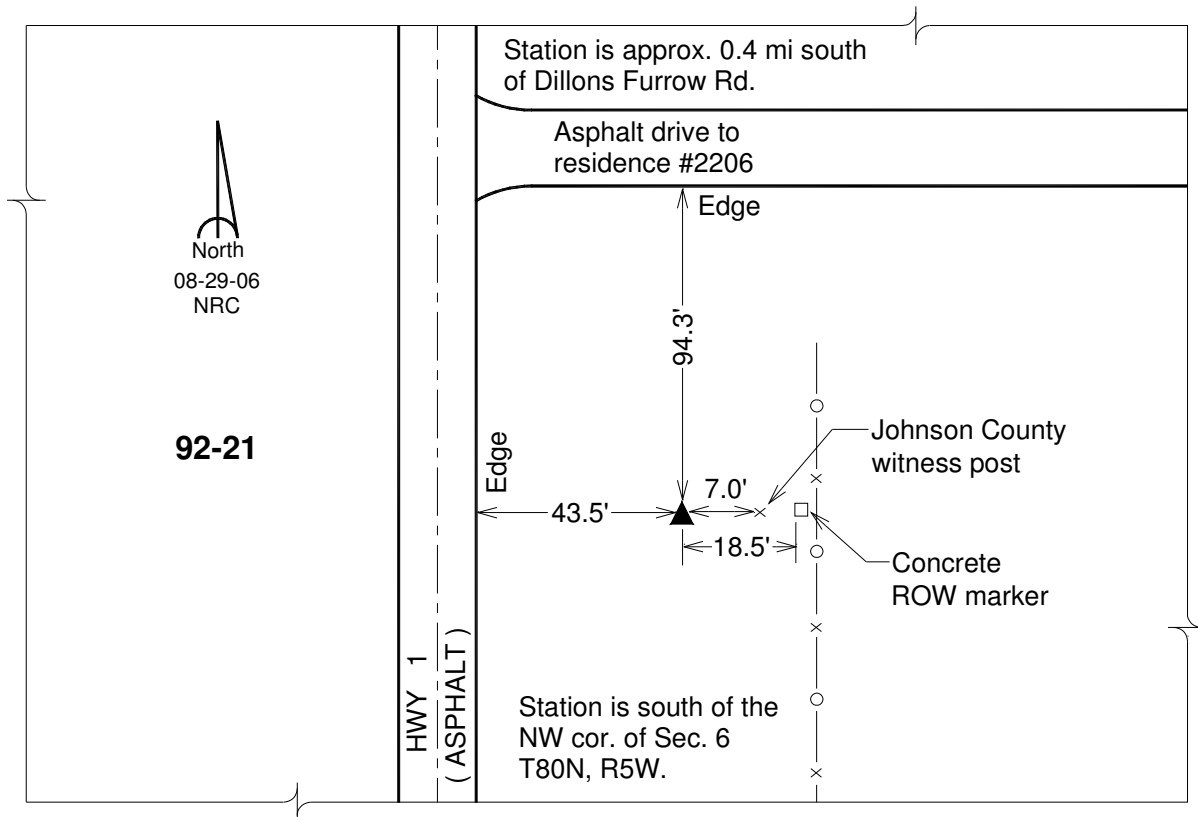
Latitude: **N41°46'19.93005"**

Longitude: **W91°28'57.47371"**

Mapping Angle: **1°19'44"**

Combination Scale Factor: **0.999963840**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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2013

Point Name: **22**

Designation: 92-22 Johnson County GPS Control Point (Set by ASI in 1992)

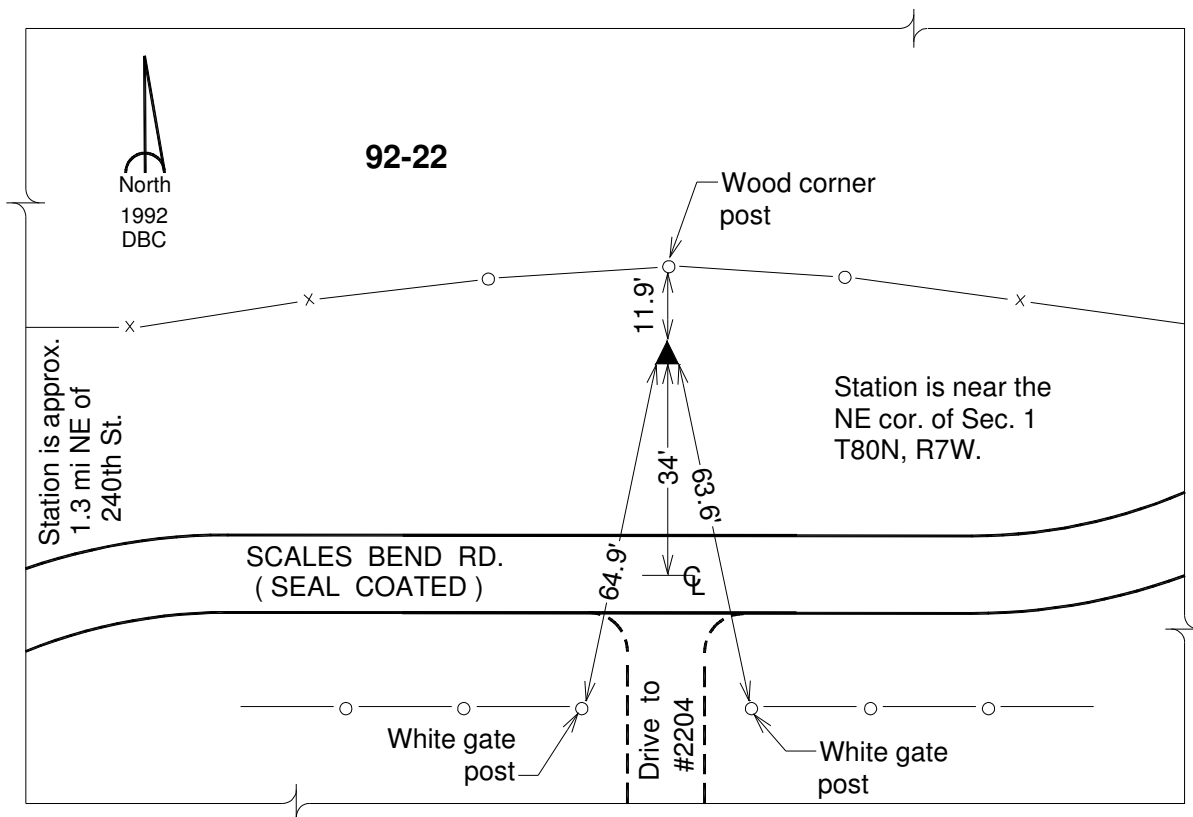
Northing: **652336.88sft** Easting: **2159122.16sft**

Orthometric Height: **823.85sft** Ellipsoid Height: **717.09sft** **Geoid12A**

Latitude: **N41°46'29.57447"** Longitude: **W91°35'53.74216"**

Mapping Angle: **1°15'10"** Combination Scale Factor: **0.999964294**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **23**

Designation: 92-23 Johnson County GPS Control Point (Set by ASI in 1992)

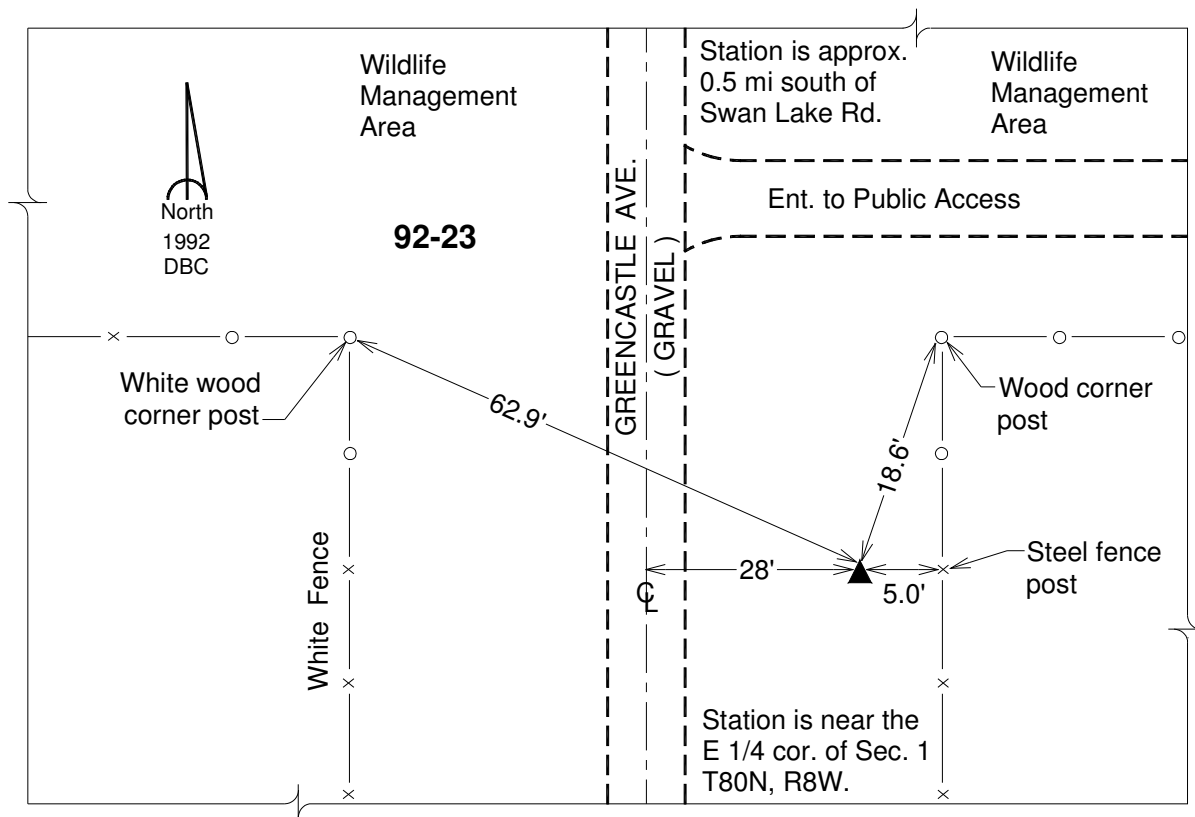
Northing: **648983.97sft** Easting: **2127367.40sft**

Orthometric Height: **720.96sft** Ellipsoid Height: **614.46sft** **Geoid12A**

Latitude: **N41°46'03.10549"** Longitude: **W91°42'53.65146"**

Mapping Angle: **1°10'33"** Combination Scale Factor: **0.999967912**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **24**

Designation: 92-24 Johnson County GPS Control Point (Set by ASI in 1992)

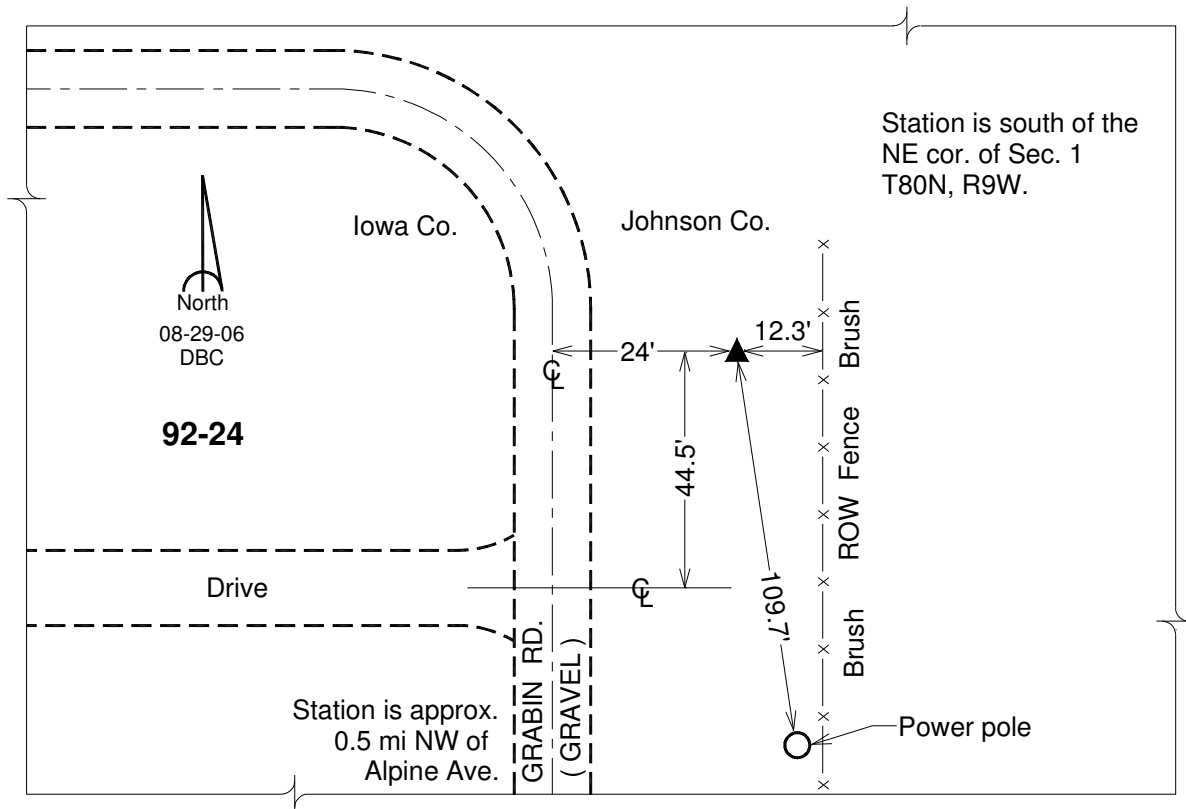
Northing: **650423.70**sft Easting: **2095564.05**sft

Orthometric Height: **757.57**sft Ellipsoid Height: **651.55**sft **Geoid12A**

Latitude: **N41°46'23.56350"** Longitude: **W91°49'52.89315"**

Mapping Angle: **1°05'57"** Combination Scale Factor: **0.999967129**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Point Name: **25**

Designation: 92-25 Johnson County GPS Control Point (Set by ASI in 1992)

Northing: **640082.04**sft Easting: **2095465.57**sft

Orthometric Height: **872.67**sft Ellipsoid Height: **766.54**sft **Geoid12A**

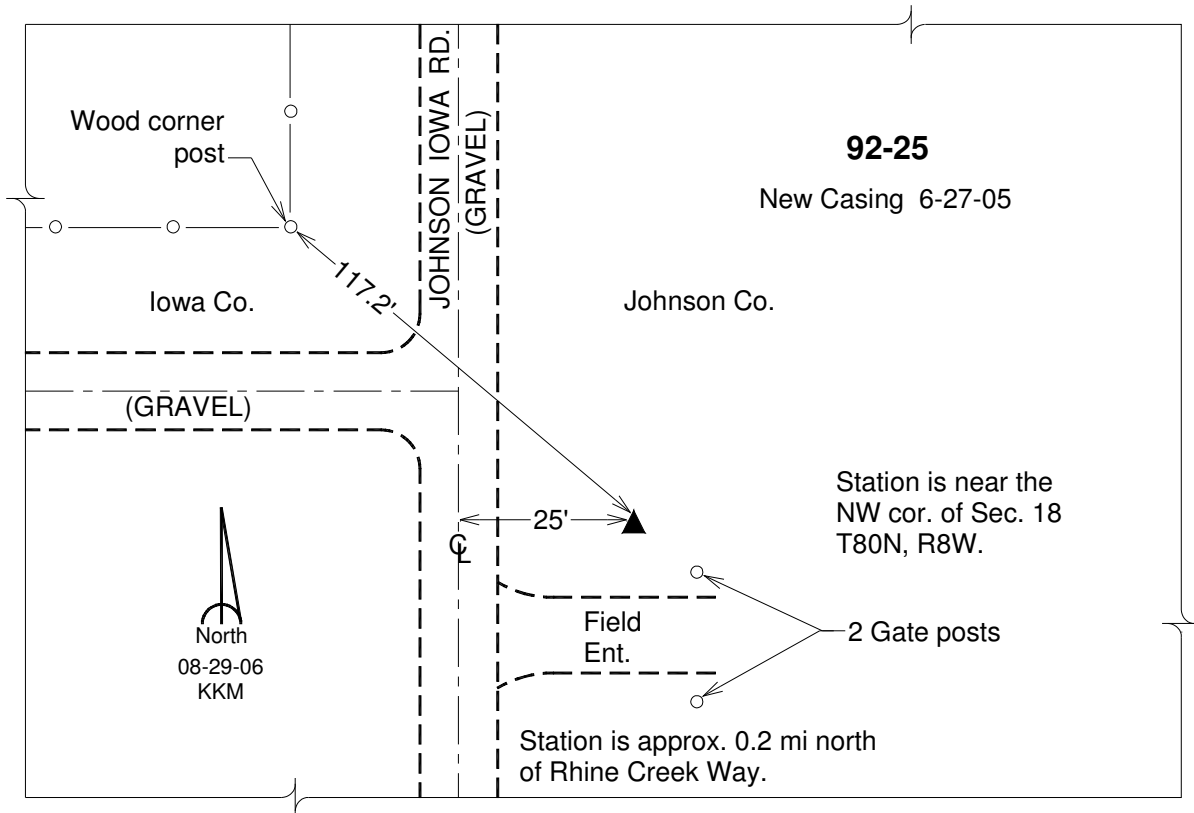
Latitude: **N41°44'41.43200"**

Longitude: **W91°49'56.80895"**

Mapping Angle: **1°05'54"**

Combination Scale Factor: **0.999956816**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



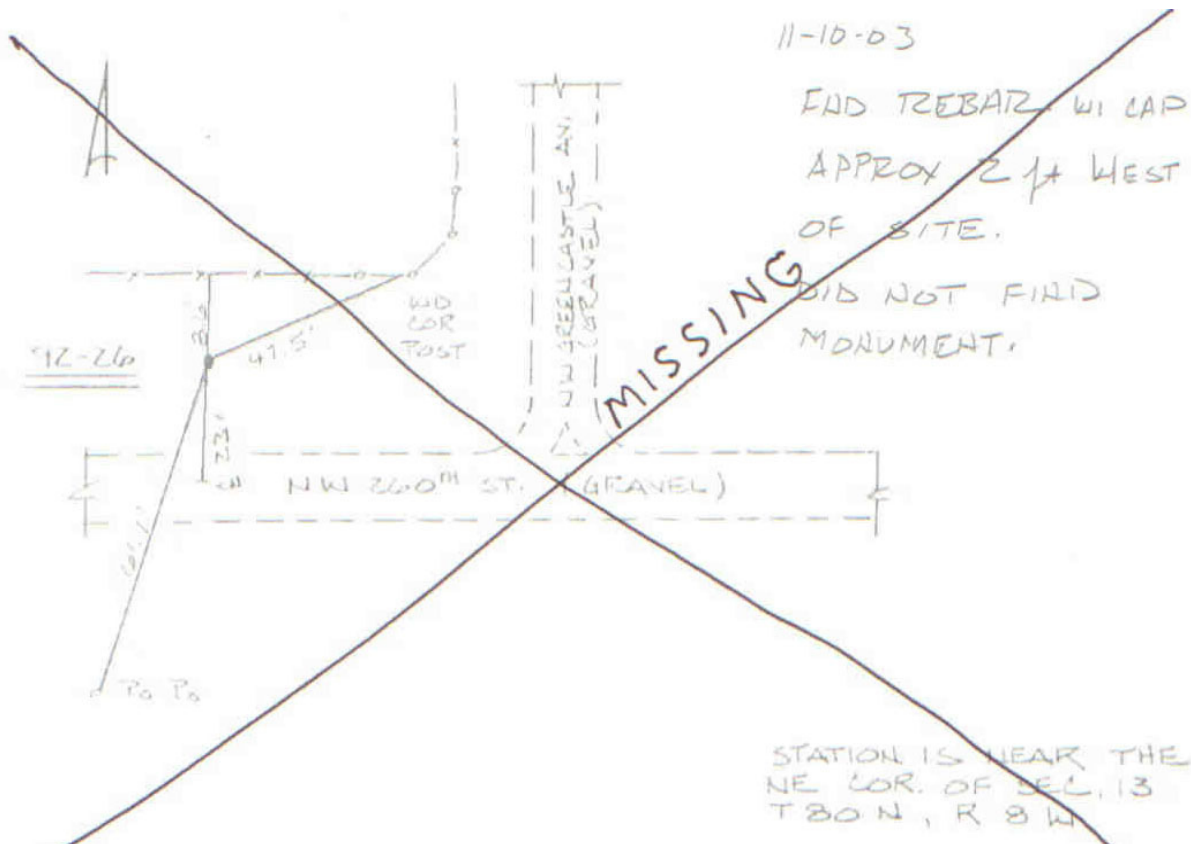
This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **26**

Designation: MISSING - MARK NOT FOUND

Monument Type:



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **27**

Designation: 92-27 Johnson County GPS Control Point (Set by ASI in 1992)

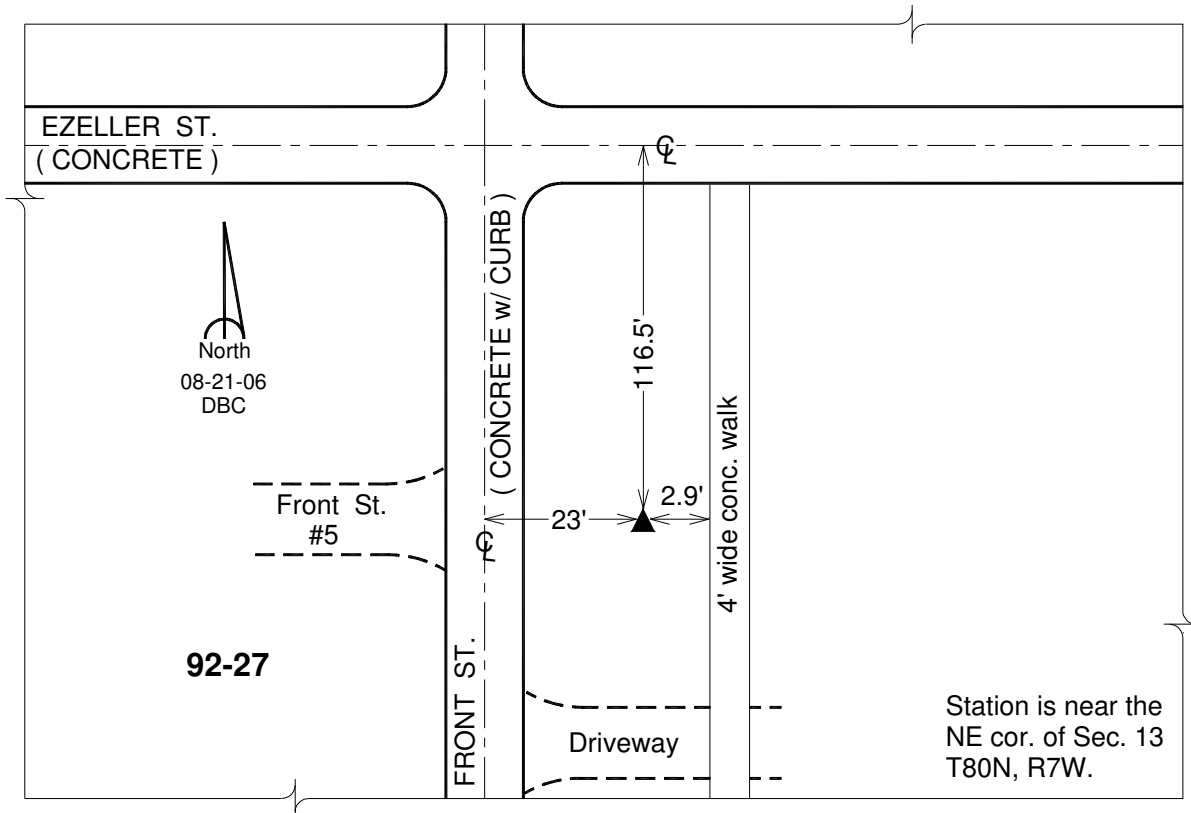
Northing: **641254.92sft** Easting: **2159462.08sft**

Orthometric Height: **763.30sft** Ellipsoid Height: **656.49sft** **Geoid12A**

Latitude: **N41°44'40.04460"** Longitude: **W91°35'52.45506"**

Mapping Angle: **1°15'10"** Combination Scale Factor: **0.999962004**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **28**

Designation: 92-28 Johnson County GPS Control Point (Set by ASI in 1992)

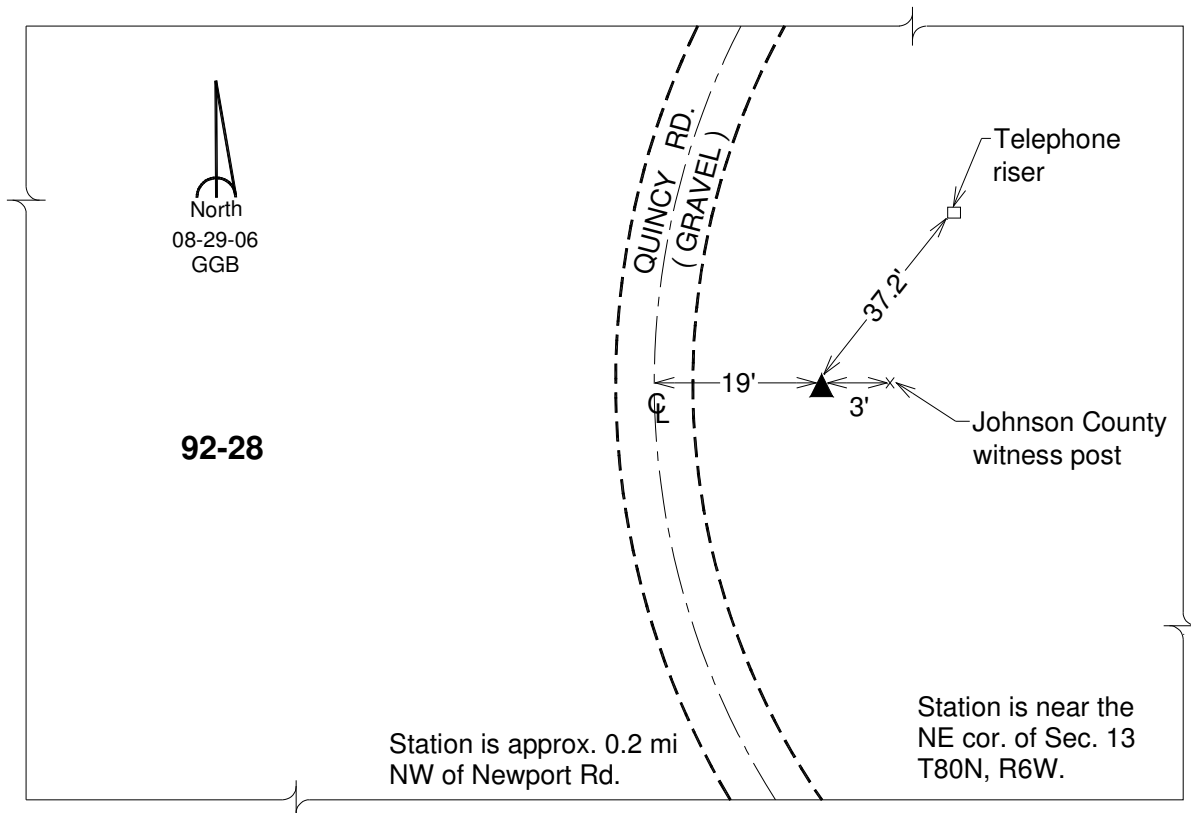
Northing: **642186.74sft** Easting: **2190838.77sft**

Orthometric Height: **844.21sft** Ellipsoid Height: **737.28sft** **Geoid12A**

Latitude: **N41°44'42.26522"** Longitude: **W91°28'58.37487"**

Mapping Angle: **1°19'43"** Combination Scale Factor: **0.999958251**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **29**

Designation: 92-29 Johnson County GPS Control Point (Set by ASI in 1992)

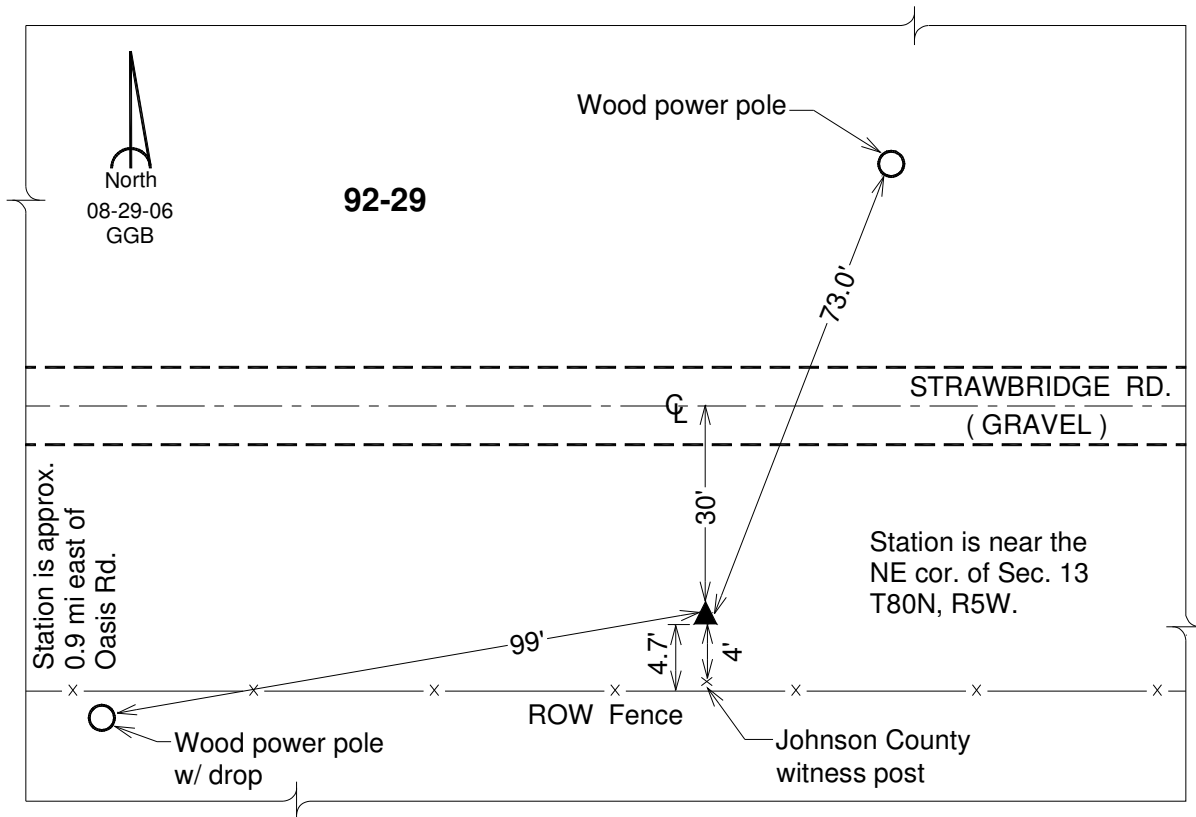
Northing: **642419.09sft** Easting: **2222246.16sft**

Orthometric Height: **830.87sft** Ellipsoid Height: **723.85sft** **Geoid12A**

Latitude: **N41°44'37.16002"** Longitude: **W91°22'04.10885"**

Mapping Angle: **1°24'16"** Combination Scale Factor: **0.999958657**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **30**

Designation: 92-30 Johnson County GPS Control Point (Set by ASI in 1992)

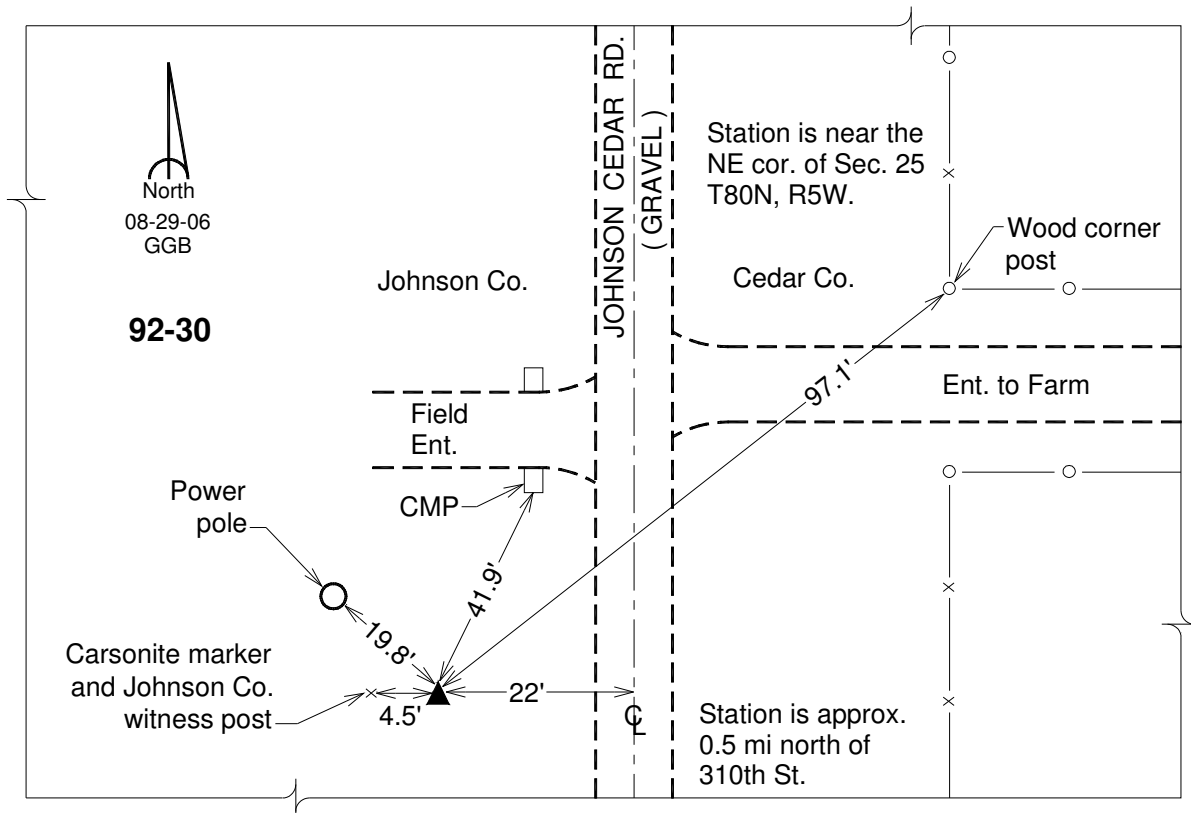
Northing: **631804.22sft** Easting: **2222939.82sft**

Orthometric Height: **816.57sft** Ellipsoid Height: **709.52sft** **Geoid12A**

Latitude: **N41°42'52.15423"** Longitude: **W91°21'58.39592"**

Mapping Angle: **1°24'20"** Combination Scale Factor: **0.999954646**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **31**

Designation: 92-31 Johnson County GPS Control Point (Set by ASI in 1992)

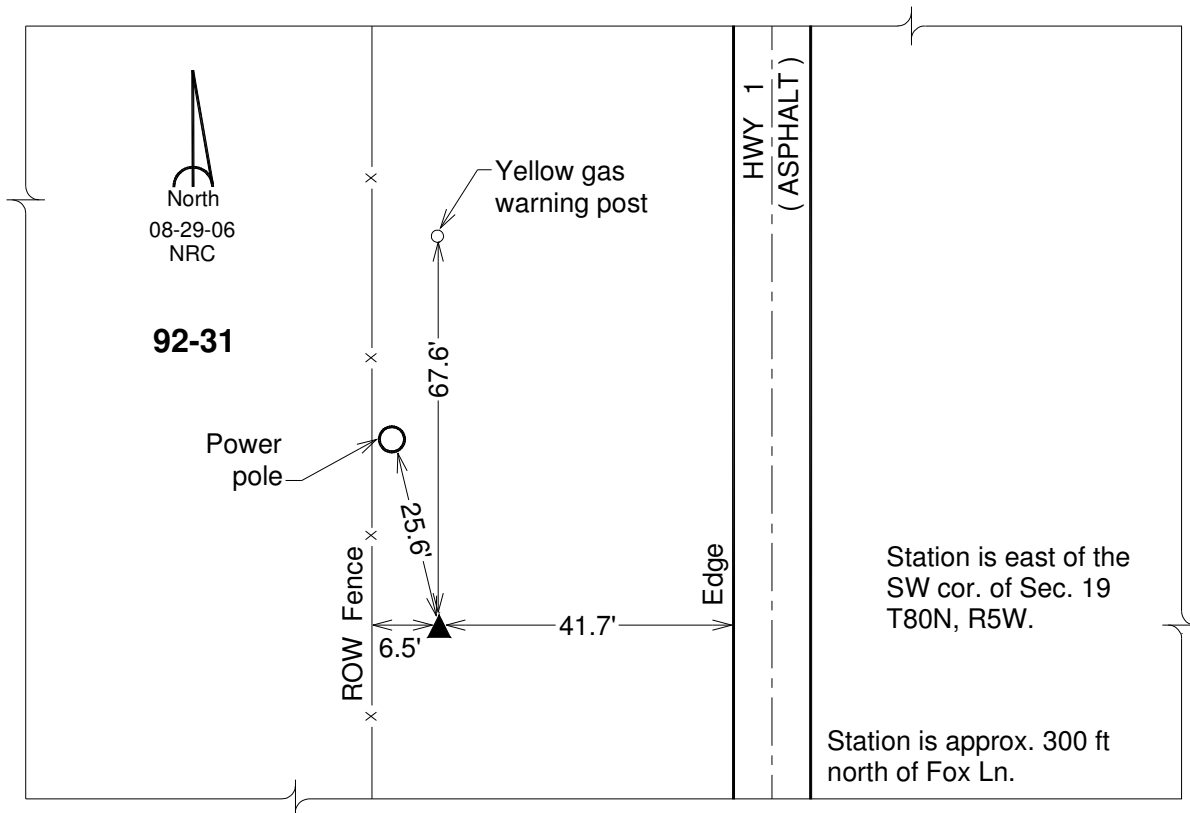
Northing: **631592.01sft** Easting: **2191615.19sft**

Orthometric Height: **797.15sft** Ellipsoid Height: **690.17sft** **Geoid12A**

Latitude: **N41°42'57.44526"** Longitude: **W91°28'51.37930"**

Mapping Angle: **1°19'48"** Combination Scale Factor: **0.999955800**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



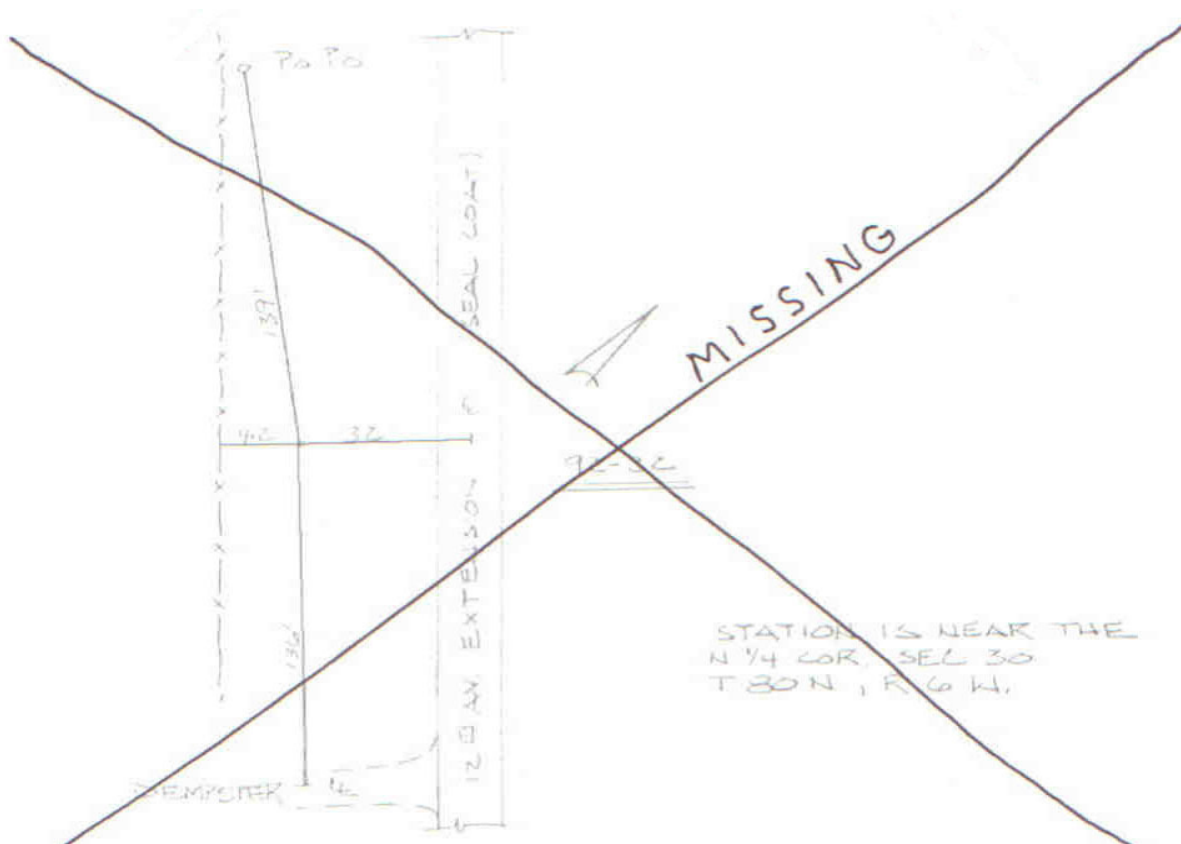
This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **32**

Designation: MISSING - MARK NOT FOUND

Monument Type:



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **33**

Designation: 92-33 Johnson County GPS Control Point (Set by ASI in 1992)

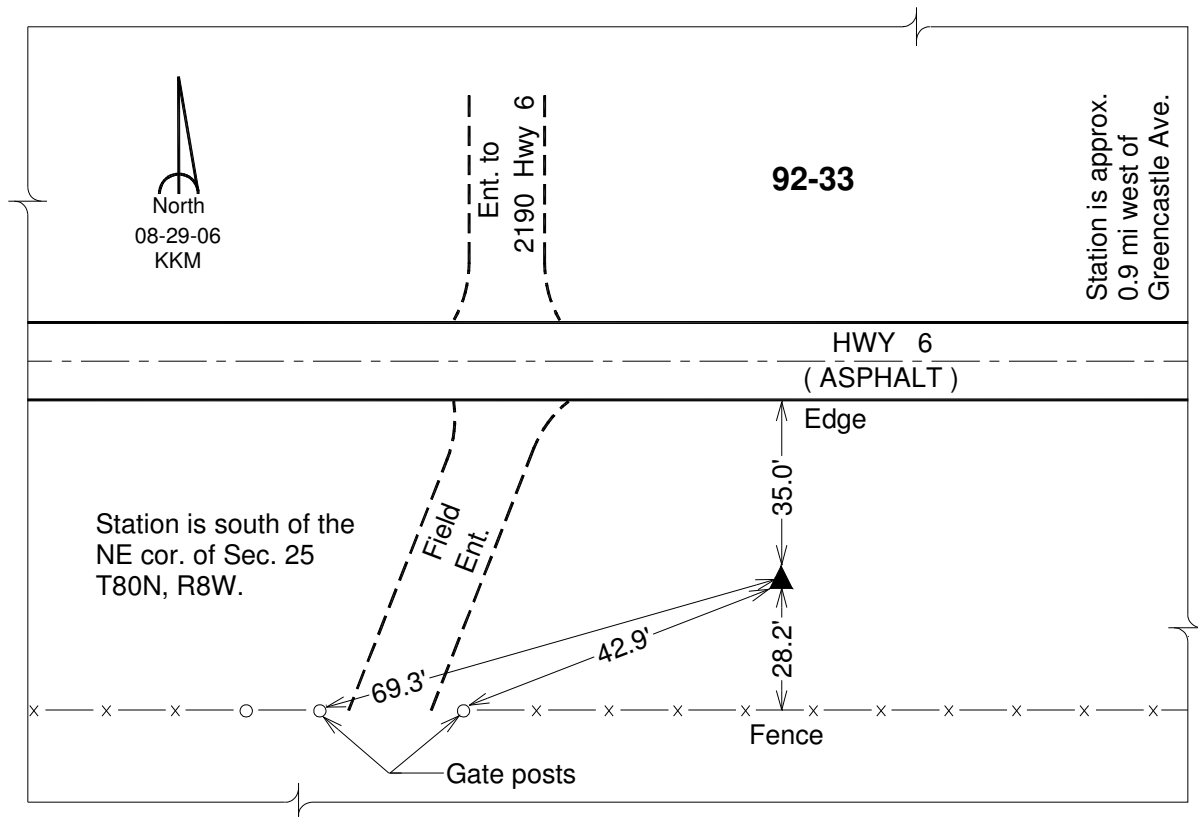
Northing: **629762.08sft** Easting: **2127223.83sft**

Orthometric Height: **726.32sft** Ellipsoid Height: **619.68sft** **Geoid12A**

Latitude: **N41°42'53.27339"** Longitude: **W91°43'00.74509"**

Mapping Angle: **1°10'28"** Combination Scale Factor: **0.999958982**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **34**

Designation: 92-34 Johnson County GPS Control Point (Set by ASI in 1992)

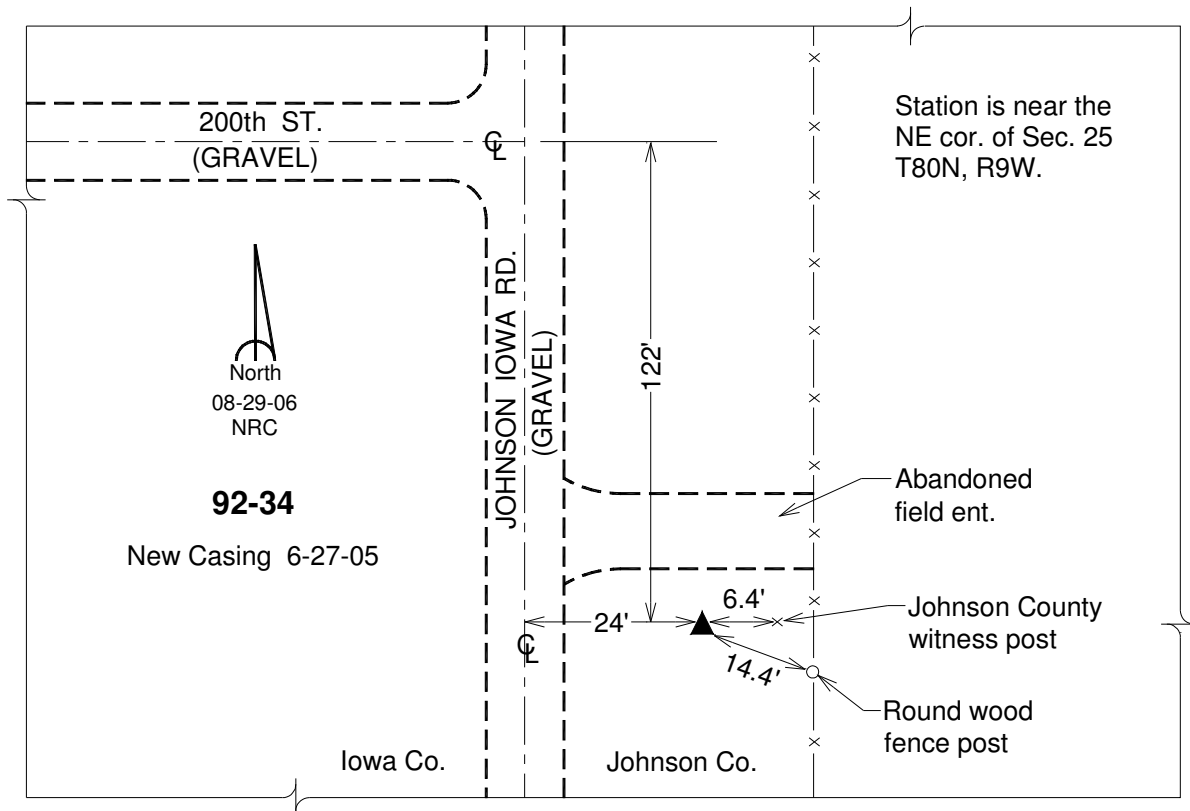
Northing: **629390.22sft** Easting: **2095377.63sft**

Orthometric Height: **787.26sft** Ellipsoid Height: **681.01sft** **Geoid12A**

Latitude: **N41°42'55.83868"** Longitude: **W91°50'00.67081"**

Mapping Angle: **1°05'52"** Combination Scale Factor: **0.999956167**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **35**

Designation: 92-35 Johnson County GPS Control Point (Set by ASI in 1992)

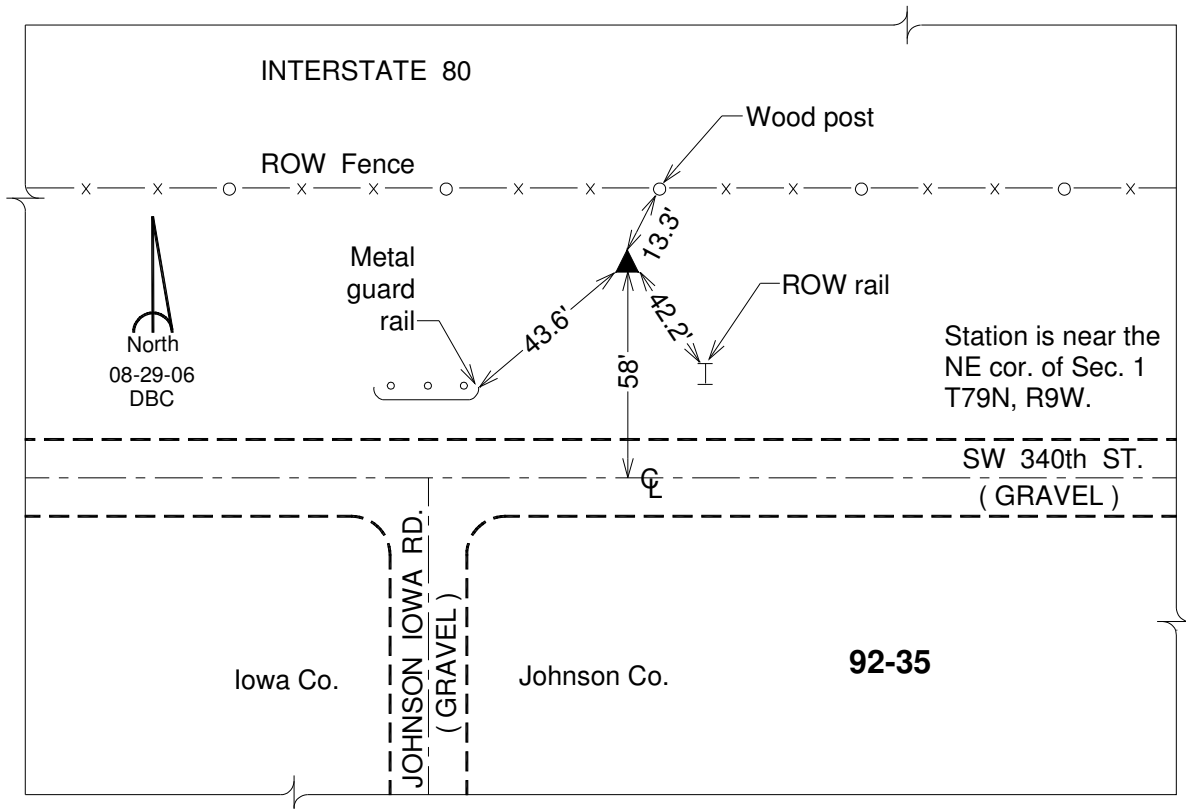
Northing: **618950.75sft** Easting: **2095446.45sft**

Orthometric Height: **824.65sft** Ellipsoid Height: **718.30sft** **Geoid12A**

Latitude: **N41°41'12.70722"** Longitude: **W91°50'02.39980"**

Mapping Angle: **1°05'51"** Combination Scale Factor: **0.999950021**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **36**

Designation: 92-36 Johnson County GPS Control Point (Set by ASI in 1992)

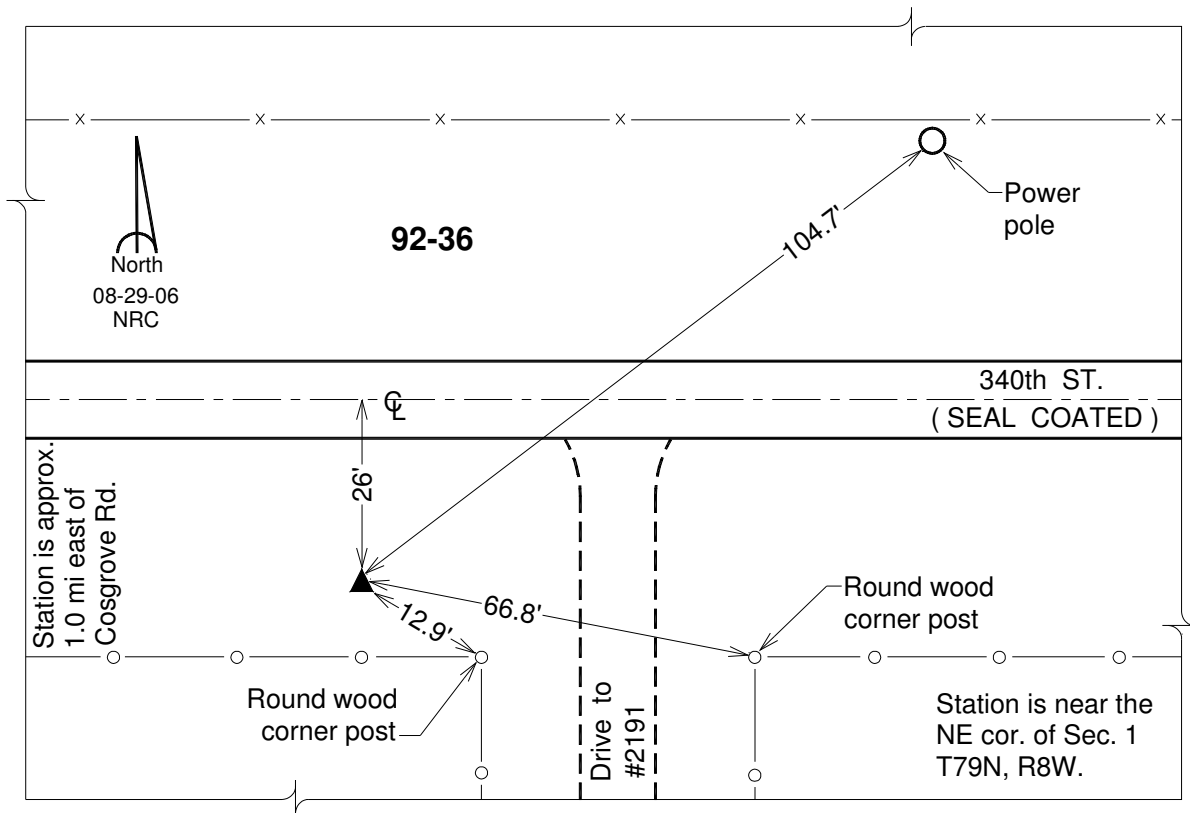
Northing: **619797.63sft** Easting: **2127533.91sft**

Orthometric Height: **732.66sft** Ellipsoid Height: **625.95sft** **Geoid12A**

Latitude: **N41°41'14.78692"** Longitude: **W91°42'59.35123"**

Mapping Angle: **1°10'29"** Combination Scale Factor: **0.999954513**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **37**

Designation: 92-37 Johnson County GPS Control Point (Set by ASI in 1992)

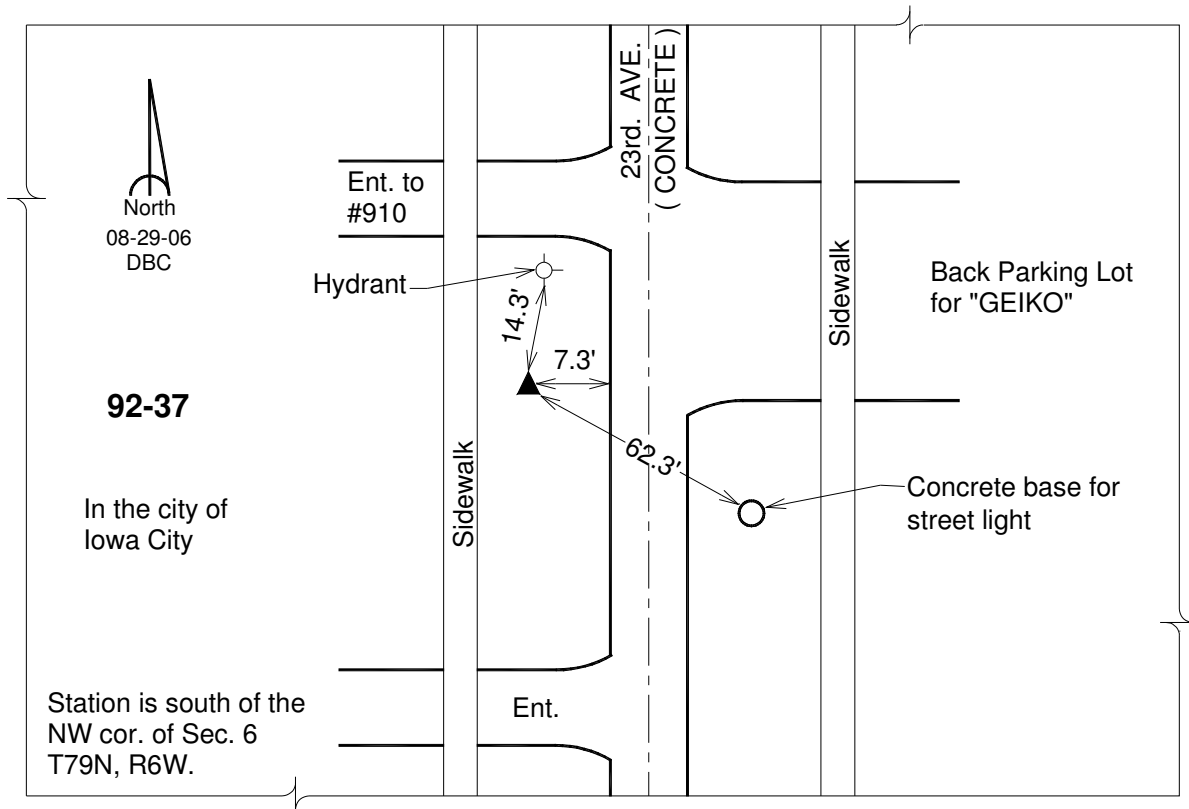
Northing: **619343.98sft** Easting: **2159993.30sft**

Orthometric Height: **684.36sft** Ellipsoid Height: **577.43sft** **Geoid12A**

Latitude: **N41°41'03.51227"** Longitude: **W91°35'51.76974"**

Mapping Angle: **1°15'11"** Combination Scale Factor: **0.999956366**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **38**

Designation: 92-38 Johnson County GPS Control Point (Set by ASI in 1992)

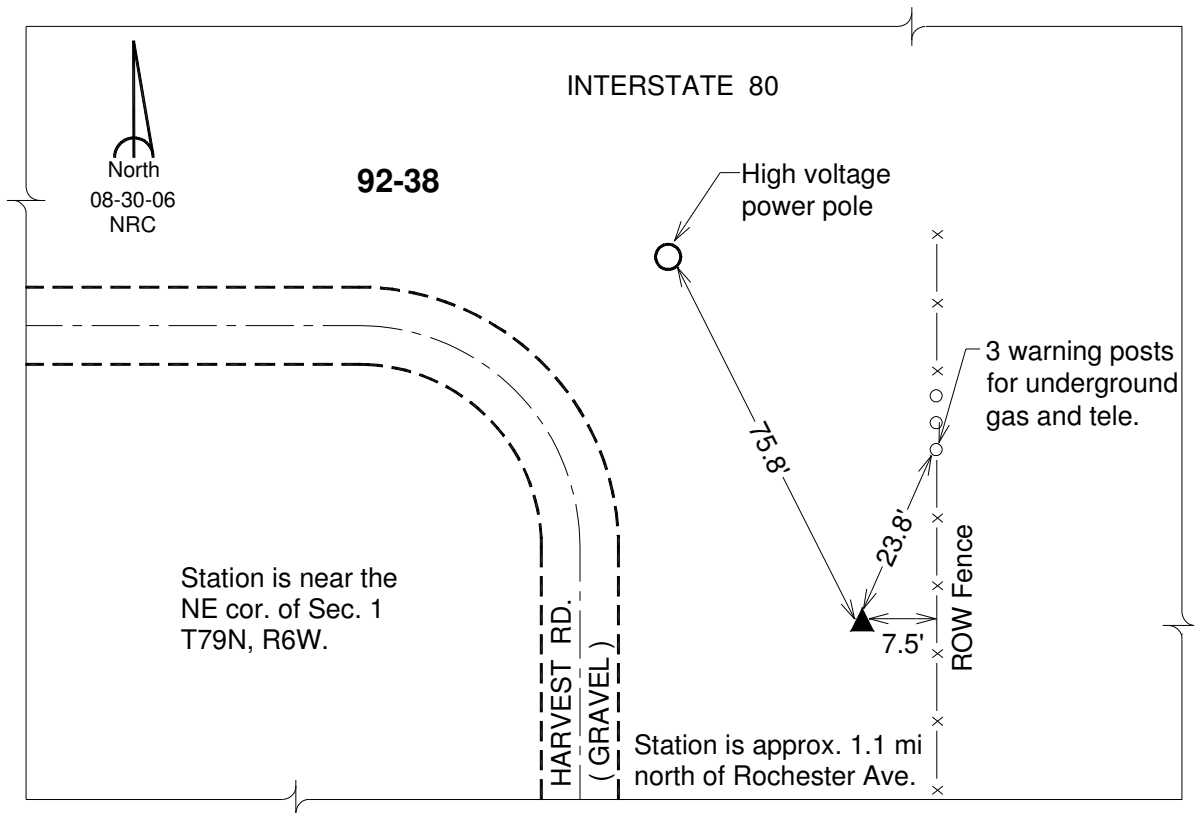
Northing: **620152.77sft** Easting: **2191375.47sft**

Orthometric Height: **746.98sft** Ellipsoid Height: **639.96sft** **Geoid12A**

Latitude: **N41°41'04.51598"** Longitude: **W91°28'58.03699"**

Mapping Angle: **1°19'43"** Combination Scale Factor: **0.999953423**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **39**

Designation: 92-39 Johnson County GPS Control Point (Set by ASI in 1992)

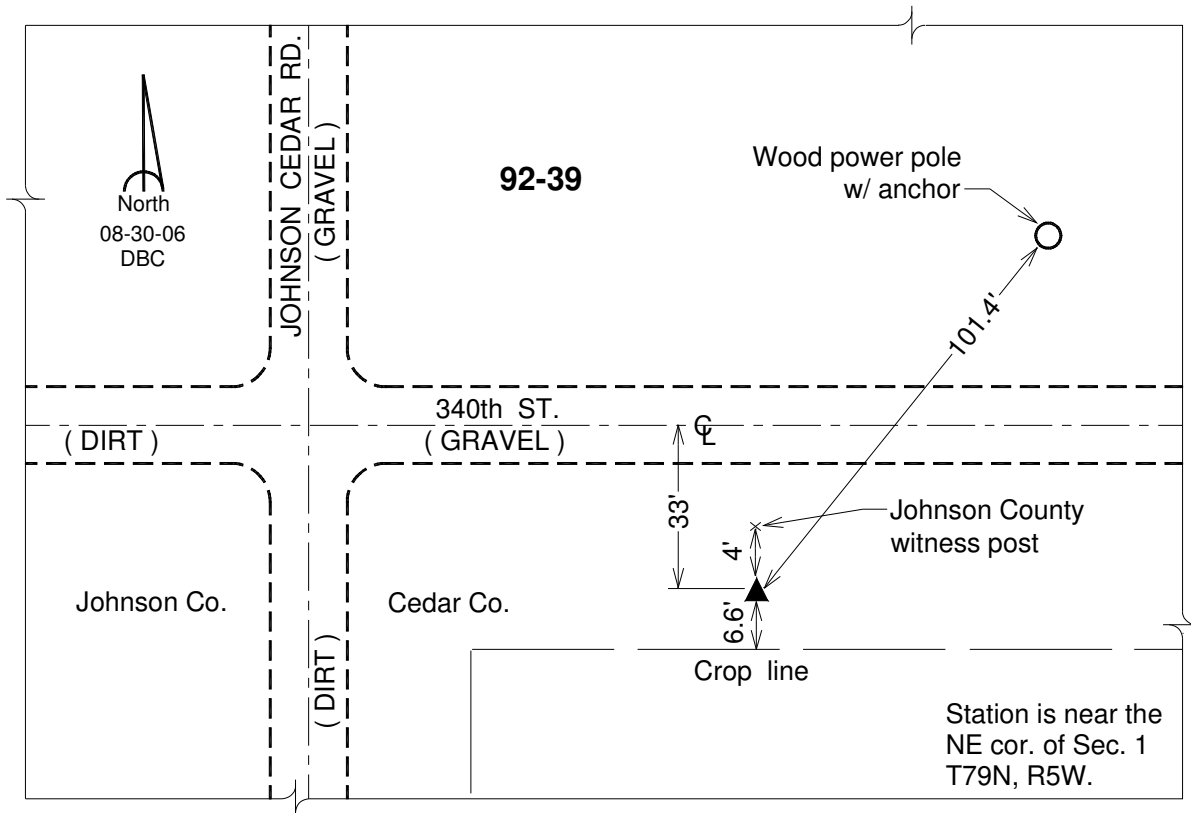
Northing: **621214.79sft** Easting: **2223323.58sft**

Orthometric Height: **758.34sft** Ellipsoid Height: **651.25sft** **Geoid12A**

Latitude: **N41°41'07.47388"** Longitude: **W91°21'56.76299"**

Mapping Angle: **1°24'21"** Combination Scale Factor: **0.999953006**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **40**

Designation: 92-40 Johnson County GPS Control Point (Set by ASI in 1992)

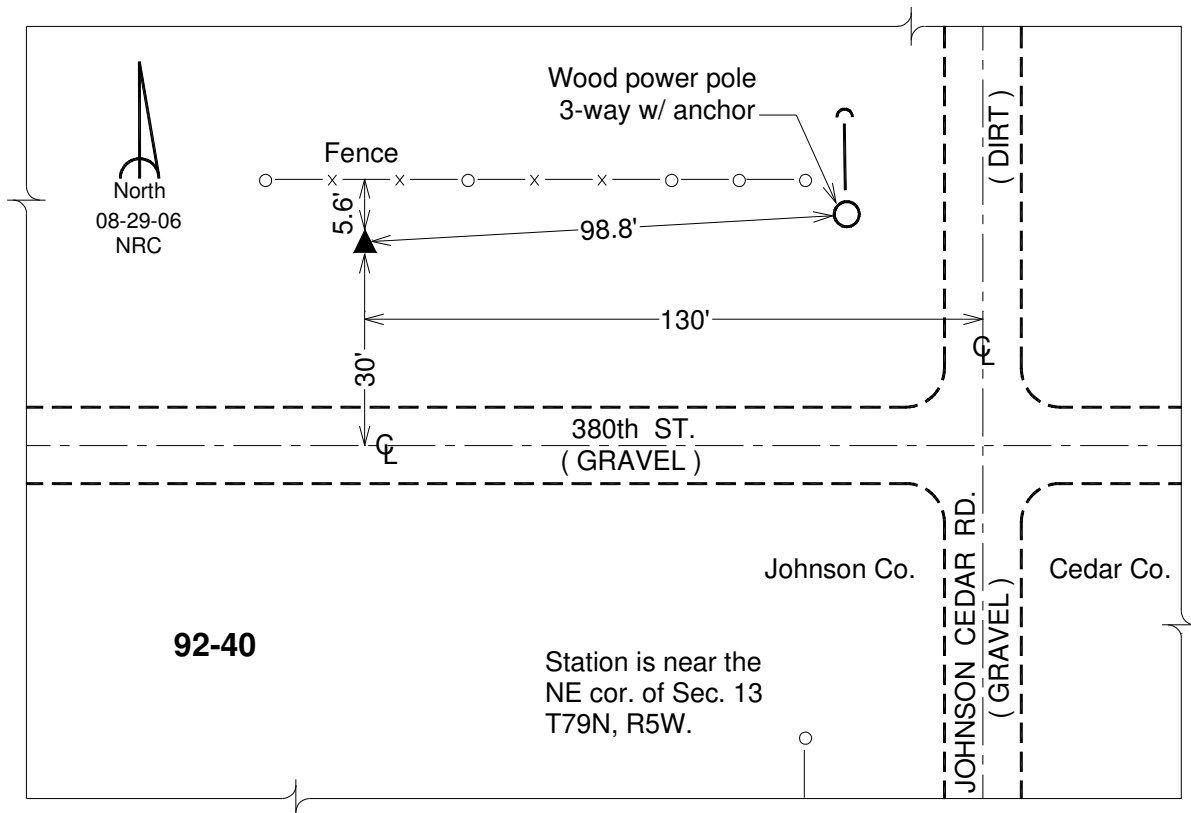
Northing: **610693.98sft** Easting: **2223282.47sft**

Orthometric Height: **778.41sft** Ellipsoid Height: **671.28sft** **Geoid12A**

Latitude: **N41°39'23.57317"** Longitude: **W91°22'00.70466"**

Mapping Angle: **1°24'18"** Combination Scale Factor: **0.999947918**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **41**

Designation: 92-41 Johnson County GPS Control Point (Set by ASI in 1992)

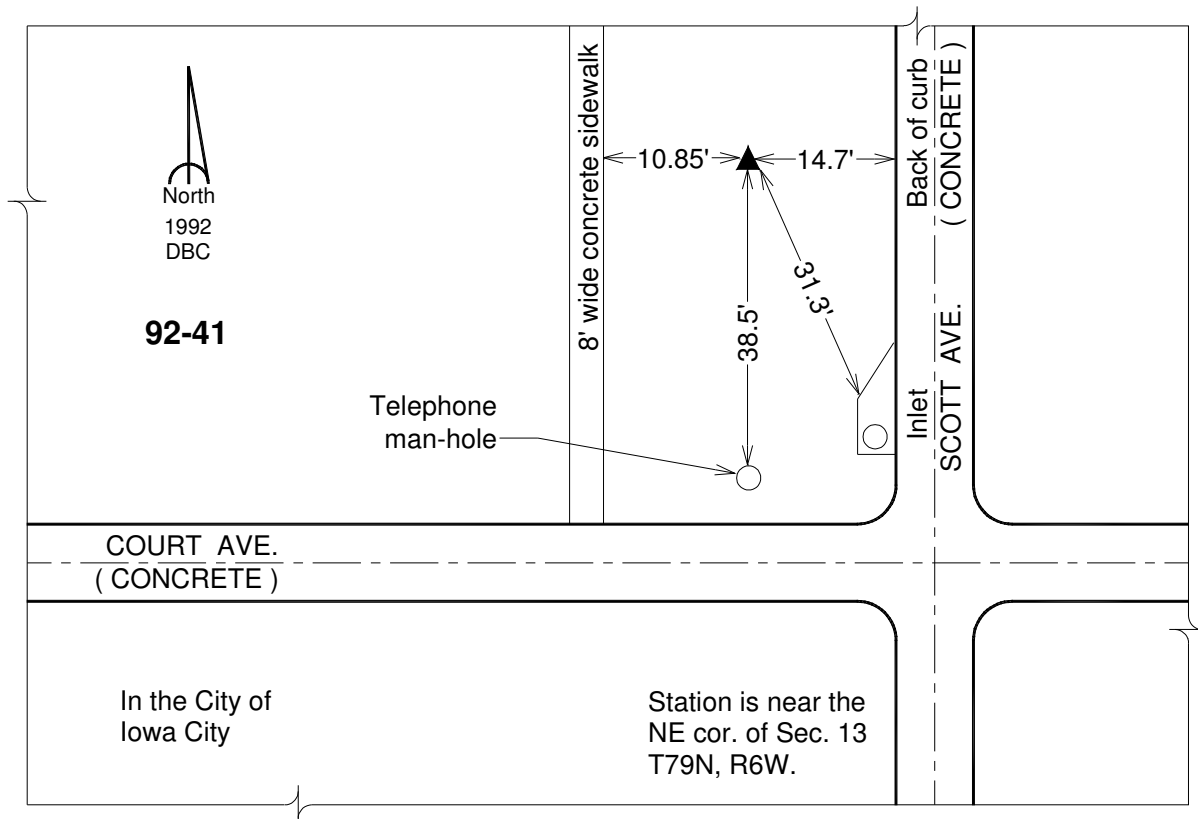
Northing: **610201.94sft** Easting: **2192045.84sft**

Orthometric Height: **744.77sft** Ellipsoid Height: **637.70sft** **Geoid12A**

Latitude: **N41°39'26.07810"** Longitude: **W91°28'52.24783"**

Mapping Angle: **1°19'47"** Combination Scale Factor: **0.999949616**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **42**

Designation: 92-42 Johnson County GPS Control Point (Set by ASI in 1992)

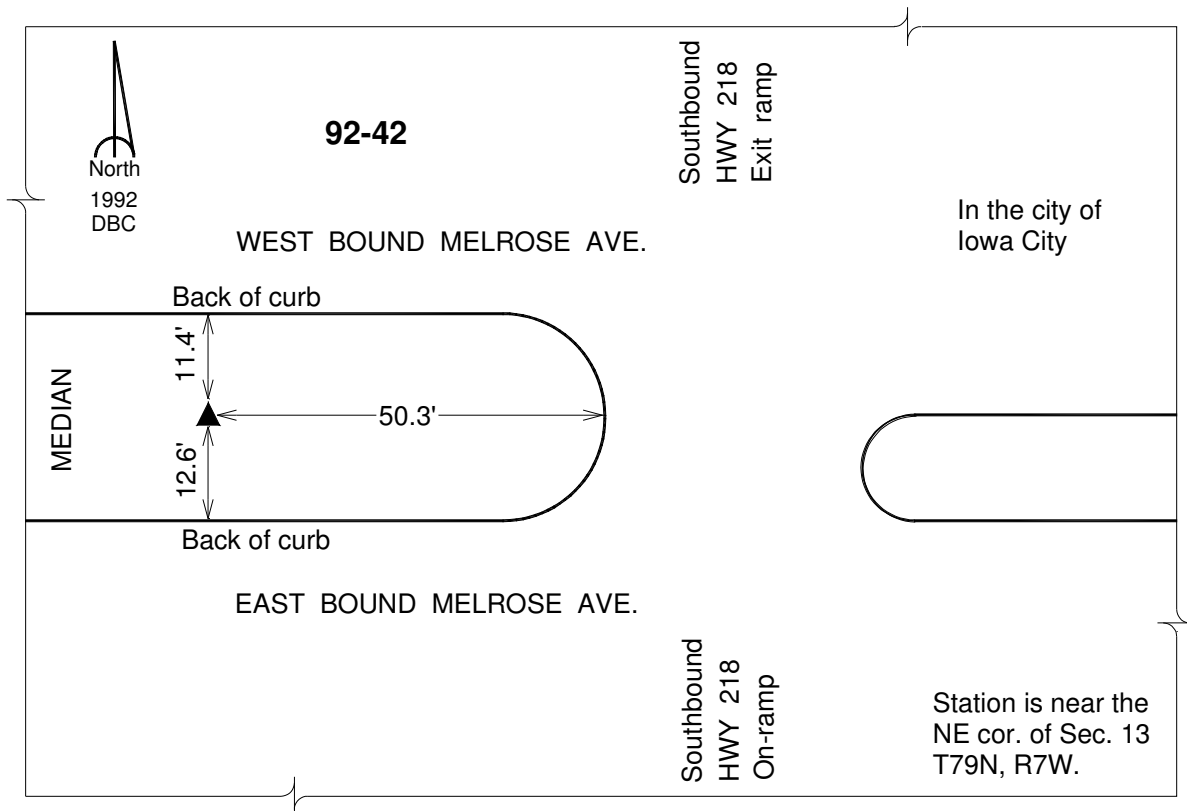
Northing: **609410.08sft** Easting: **2159533.78sft**

Orthometric Height: **769.75sft** Ellipsoid Height: **662.79sft** **Geoid12A**

Latitude: **N41°39'25.49142"** Longitude: **W91°36'00.68382"**

Mapping Angle: **1°15'05"** Combination Scale Factor: **0.999948397**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **43**

Designation: 92-43 Johnson County GPS Control Point (Set by ASI in 1992)

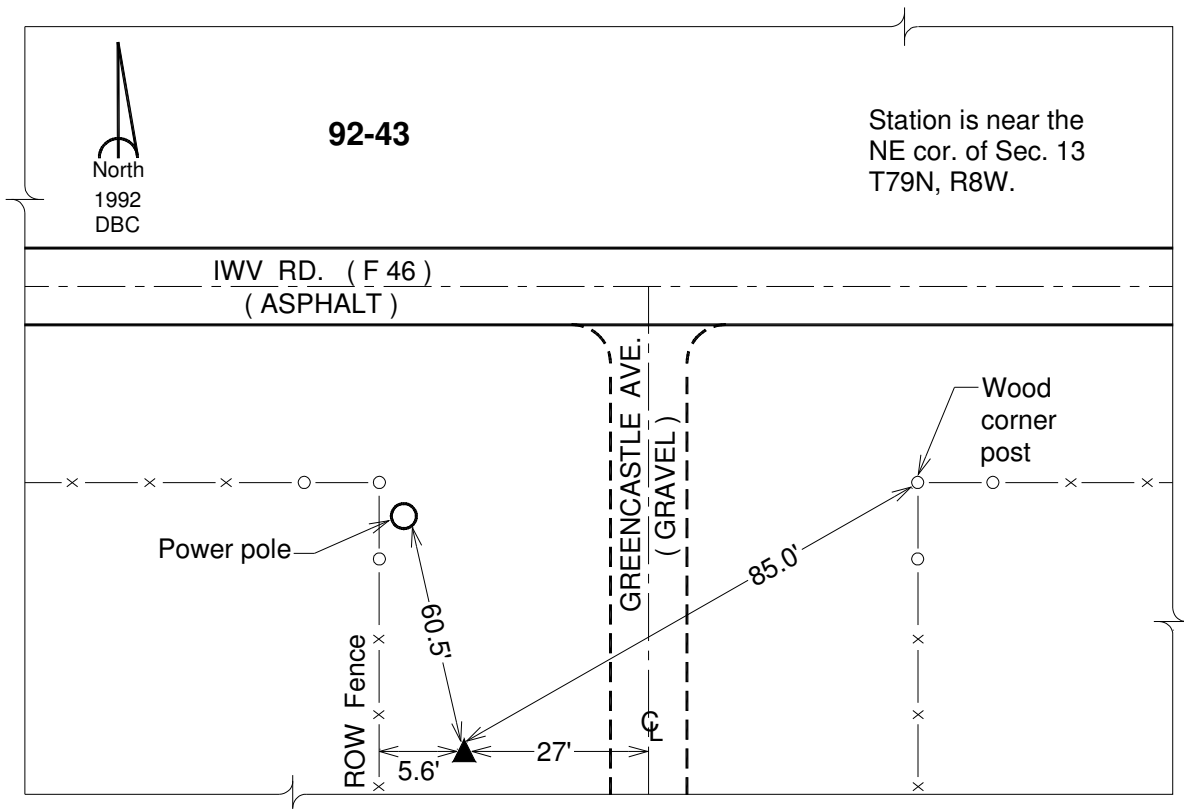
Northing: **608934.36sft** Easting: **2127726.50sft**

Orthometric Height: **785.84sft** Ellipsoid Height: **679.06sft** **Geoid12A**

Latitude: **N41°39'27.44525"** Longitude: **W91°42'59.74875"**

Mapping Angle: **1°10'29"** Combination Scale Factor: **0.999947696**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **44**

Designation: 92-44 Johnson County GPS Control Point (Set by ASI in 1992)

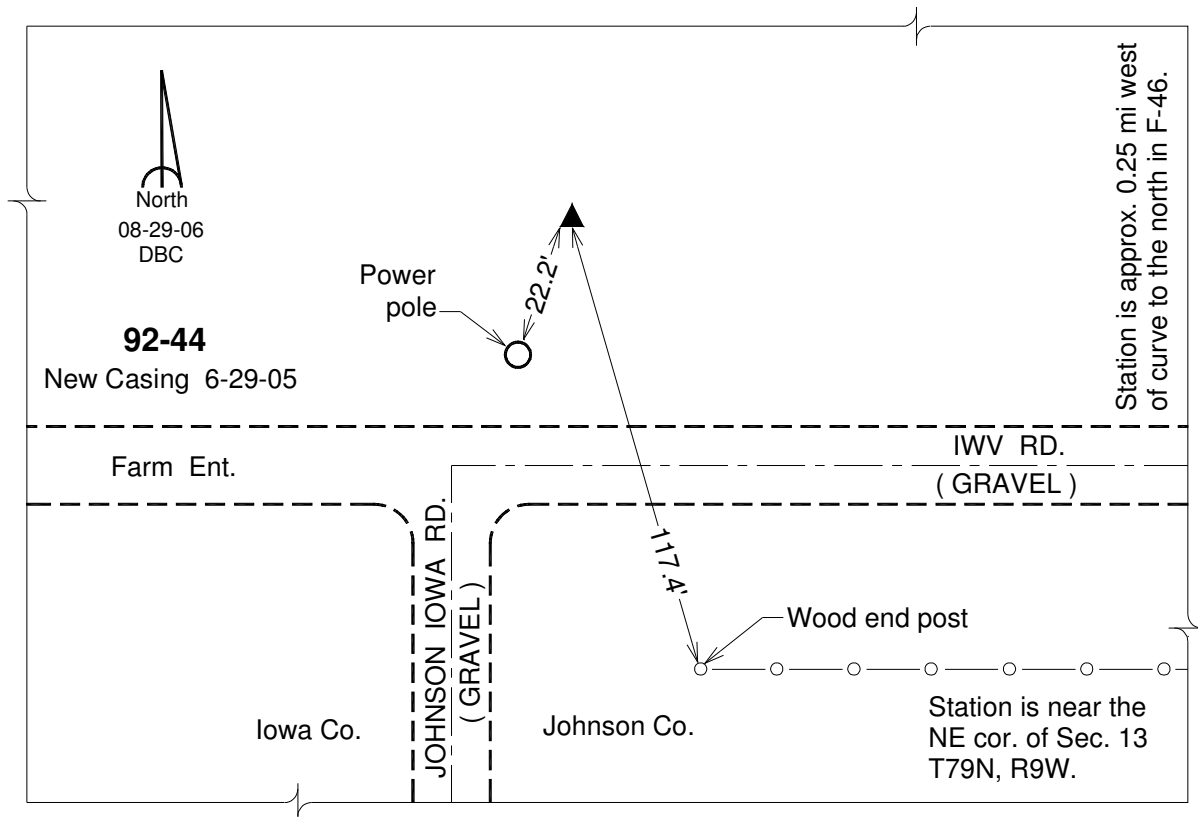
Northing: **608624.19sft** Easting: **2095818.70sft**

Orthometric Height: **843.05sft** Ellipsoid Height: **736.60sft** **Geoid12A**

Latitude: **N41°39'30.63285"** Longitude: **W91°50'00.10215"**

Mapping Angle: **1°05'52"** Combination Scale Factor: **0.999945074**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **45**

Designation: 92-45 Johnson County GPS Control Point (Set by ASI in 1992)

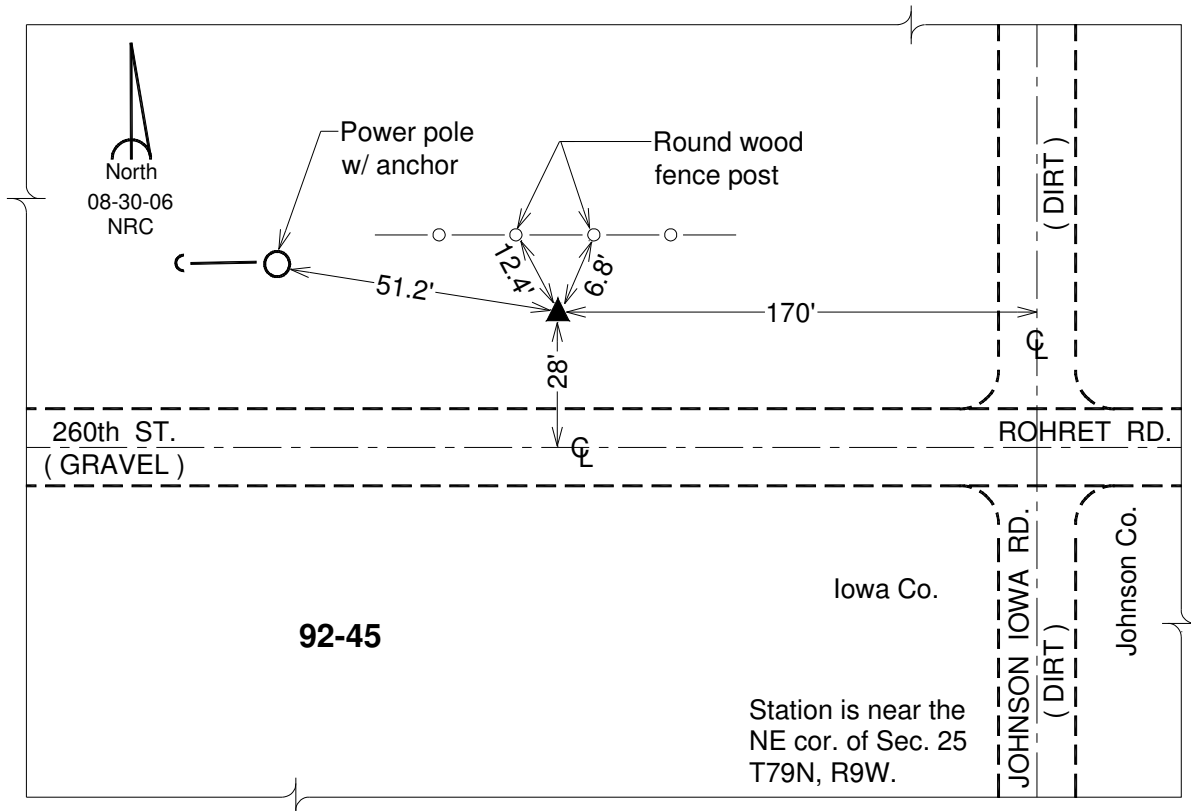
Northing: **598070.74sft** Easting: **2095925.79sft**

Orthometric Height: **786.38sft** Ellipsoid Height: **679.81sft** **Geoid12A**

Latitude: **N41°37'46.36643"** Longitude: **W91°50'01.35482"**

Mapping Angle: **1°05'51"** Combination Scale Factor: **0.999943875**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **46**

Designation: 92-46 Johnson County GPS Control Point (Set by ASI in 1992)

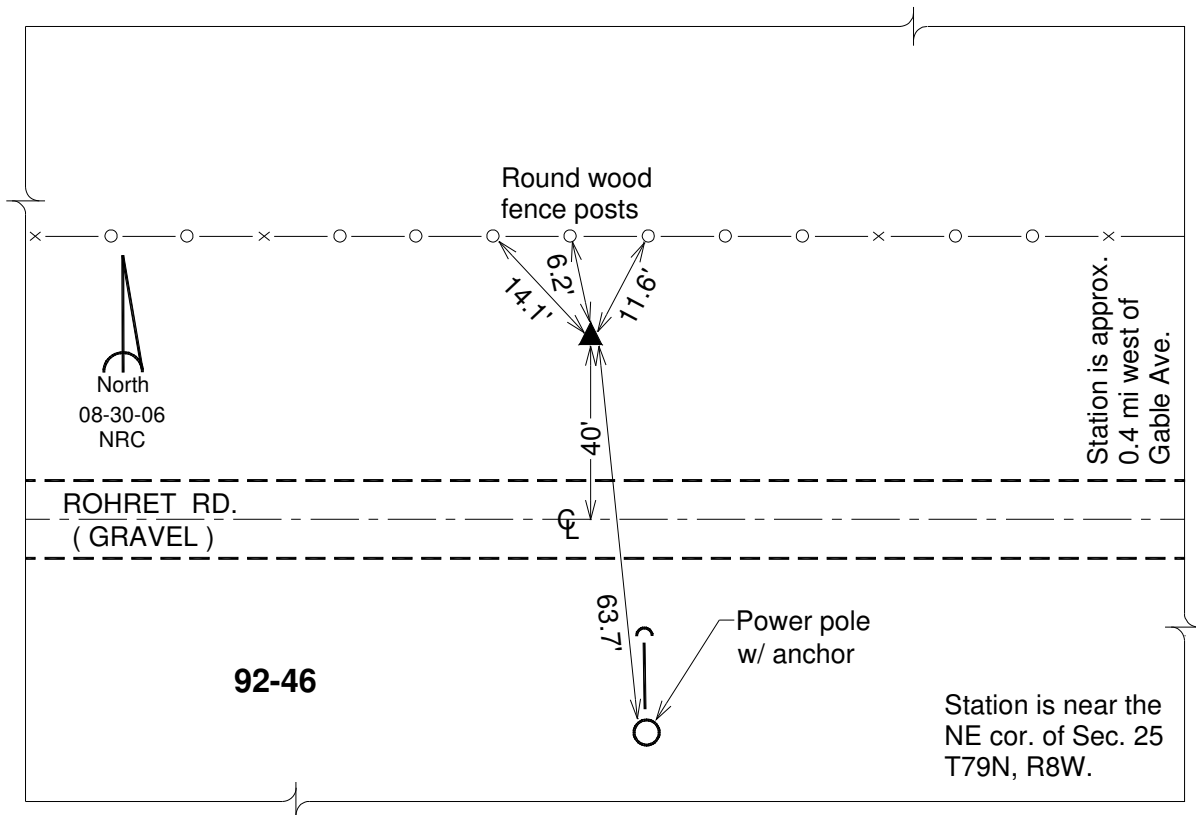
Northing: **598708.17sft** Easting: **2127748.09sft**

Orthometric Height: **711.42sft** Ellipsoid Height: **604.57sft** **Geoid12A**

Latitude: **N41°37'46.43008"** Longitude: **W91°43'02.22527"**

Mapping Angle: **1°10'27"** Combination Scale Factor: **0.999947467**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **47**

Designation: 92-47 Johnson County GPS Control Point (Set by ASI in 1992)

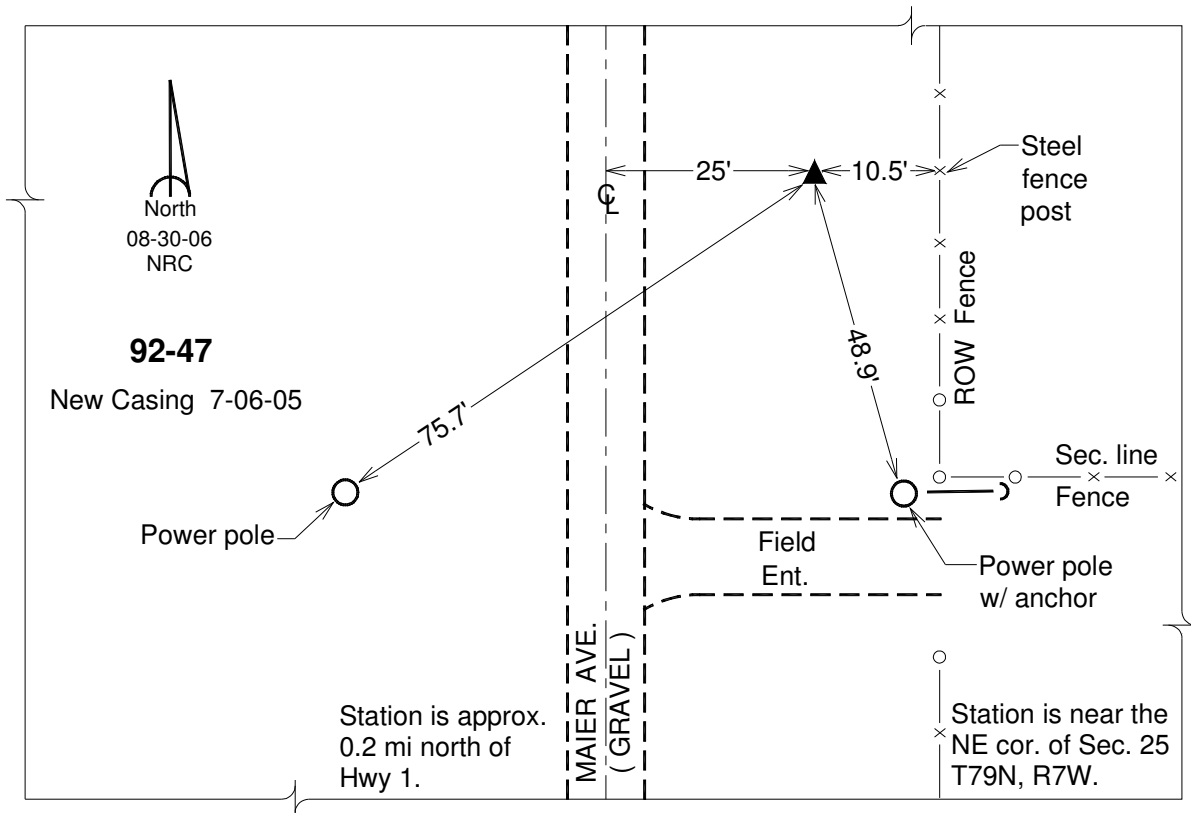
Northing: **598923.22sft** Easting: **2159942.62sft**

Orthometric Height: **776.68sft** Ellipsoid Height: **669.68sft** **Geoid12A**

Latitude: **N41°37'41.82050"** Longitude: **W91°35'58.31731"**

Mapping Angle: **1°15'07"** Combination Scale Factor: **0.999944194**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **48**

Designation: 92-48 Johnson County GPS Control Point (Set by ASI in 1992)

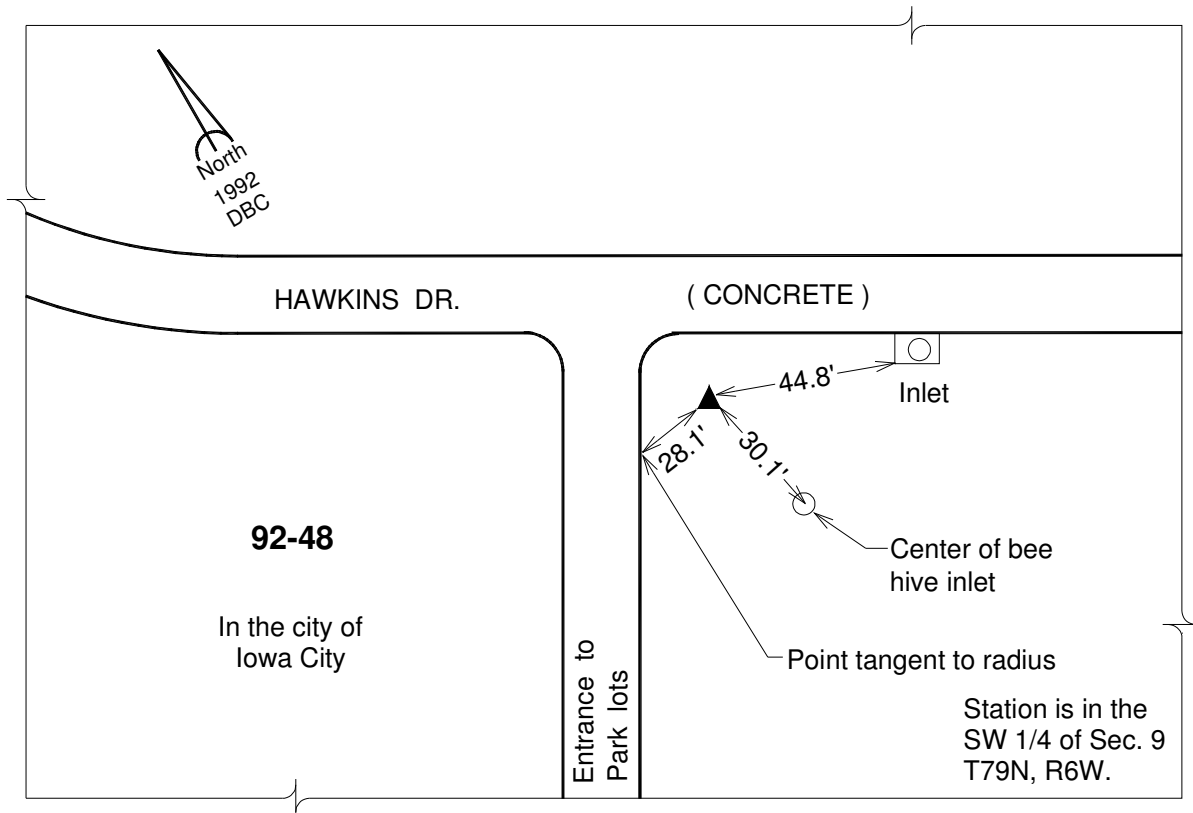
Northing: **611851.61sft** Easting: **2170882.43sft**

Orthometric Height: **704.07sft** Ellipsoid Height: **597.08sft** **Geoid12A**

Latitude: **N41°39'47.13152"** Longitude: **W91°33'30.49767"**

Mapping Angle: **1°16'44"** Combination Scale Factor: **0.999952373**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



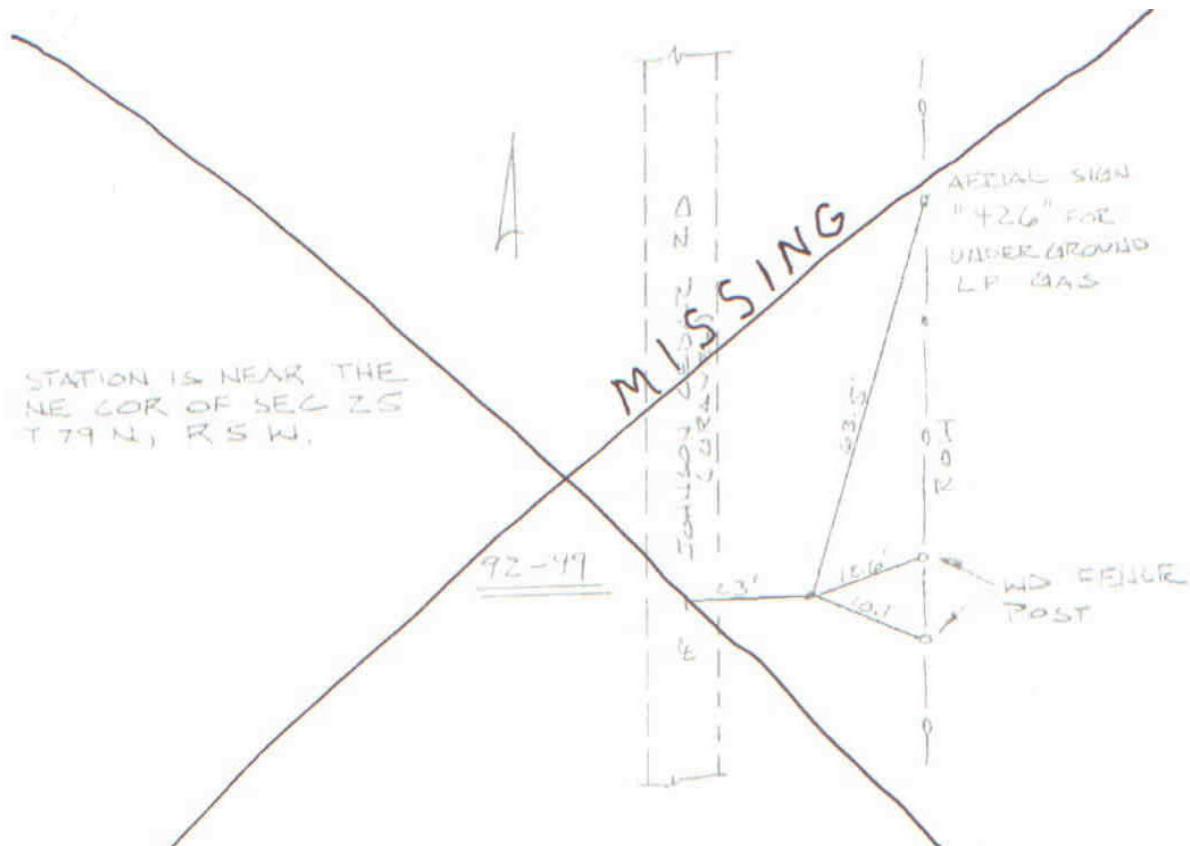
This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **49**

Designation: MISSING - MARK NOT FOUND

Monument Type:



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **50**

Designation: 92-50 Johnson County GPS Control Point (Set by ASI in 1992)

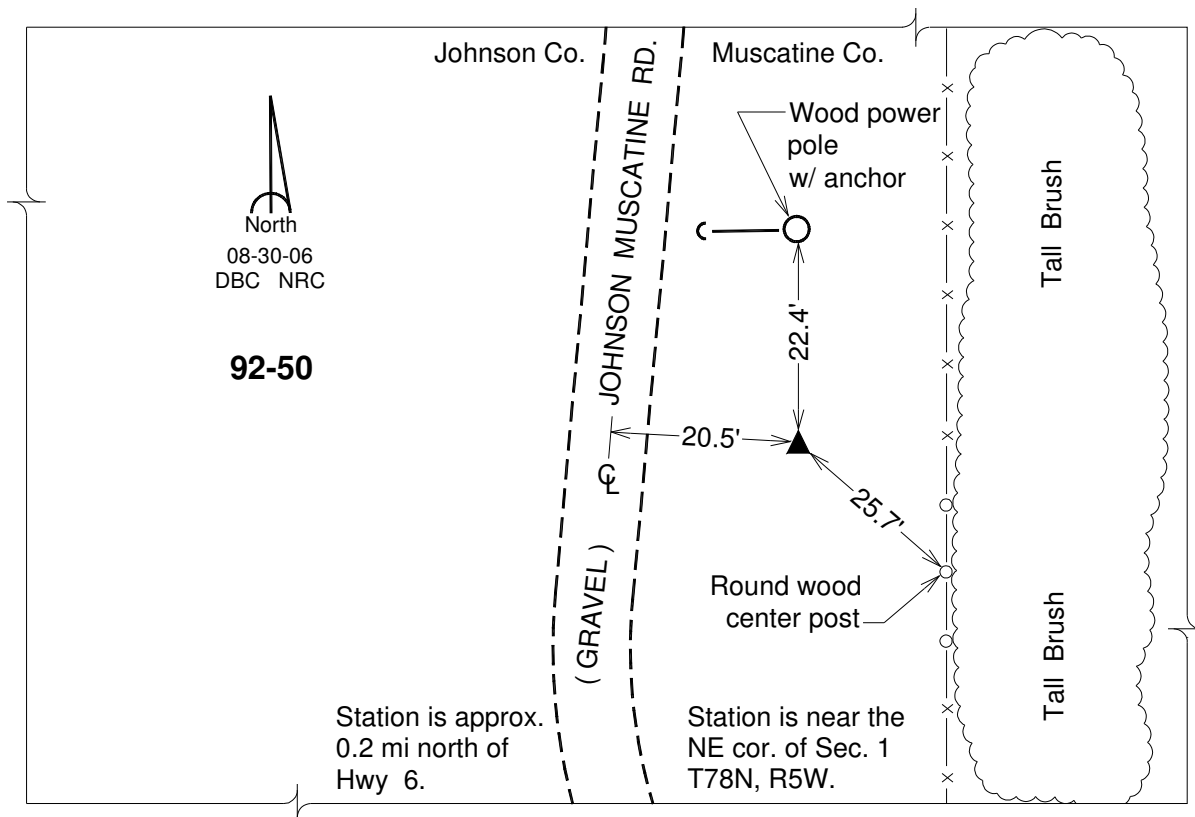
Northing: **589420.71sft** Easting: **2223931.64sft**

Orthometric Height: **736.96sft** Ellipsoid Height: **629.73sft** **Geoid12A**

Latitude: **N41°35'53.30384"** Longitude: **W91°21'59.02880"**

Mapping Angle: **1°24'19"** Combination Scale Factor: **0.999942316**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
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Point Name: **51**

Designation: 92-51 Johnson County GPS Control Point (Set by ASI in 1992)

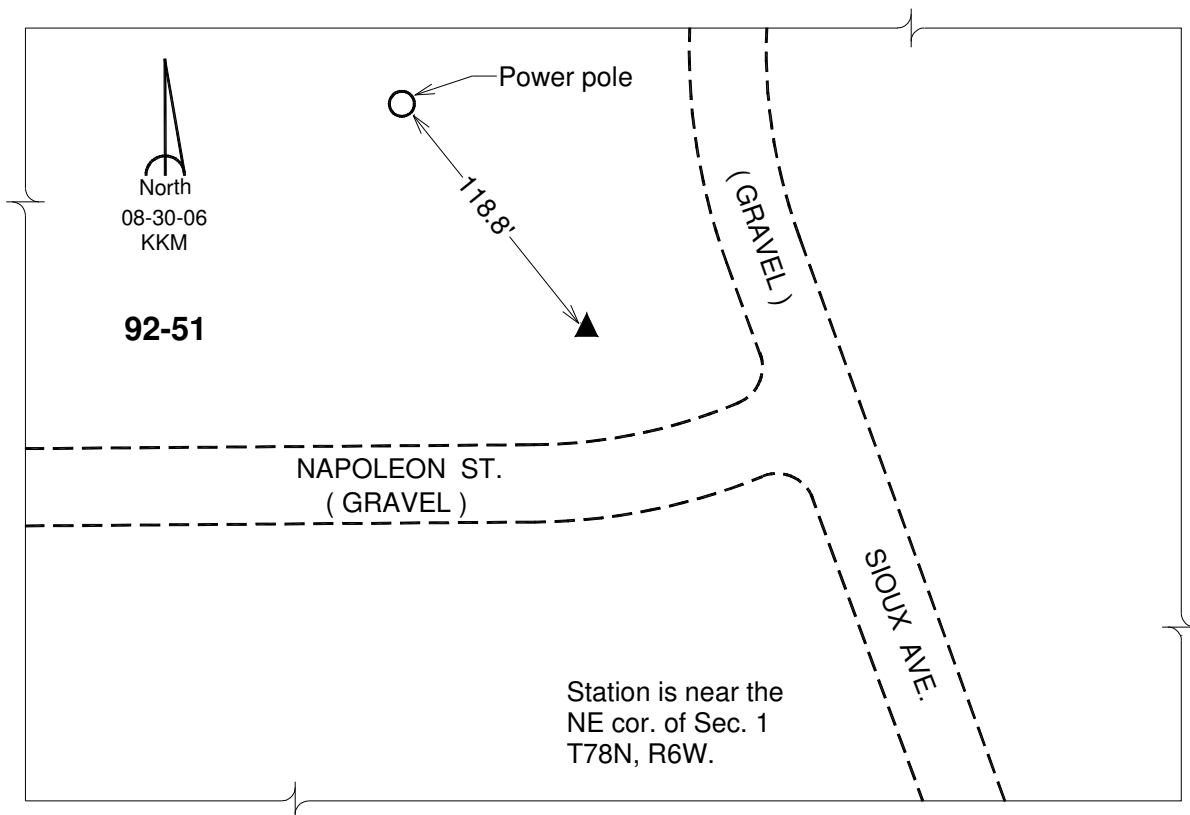
Northing: **588907.16sft** Easting: **2192037.60sft**

Orthometric Height: **669.02sft** Ellipsoid Height: **561.83sft** **Geoid12A**

Latitude: **N41°35'55.74880"** Longitude: **W91°28'58.86093"**

Mapping Angle: **1°19'43"** Combination Scale Factor: **0.999945638**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **52**

Designation: 92-52 Johnson County GPS Control Point (Set by ASI in 1992)

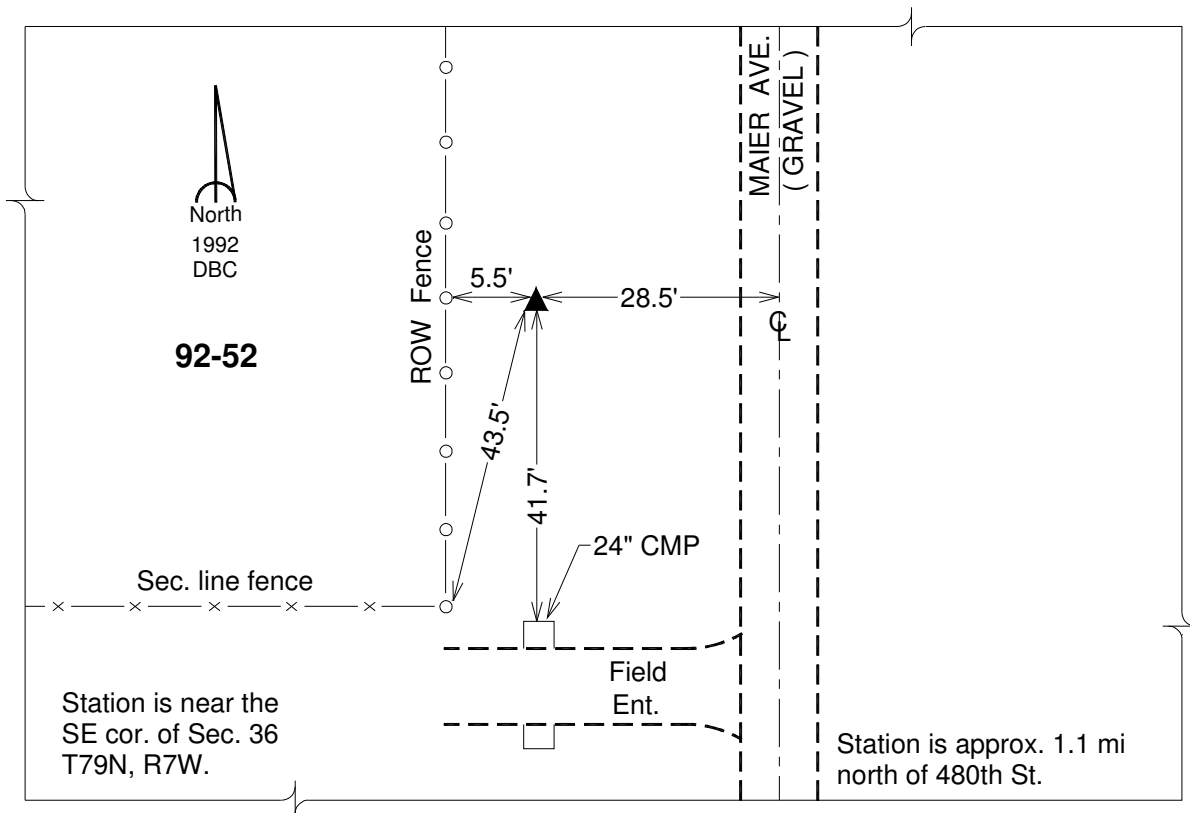
Northing: **588375.08sft** Easting: **2159991.02sft**

Orthometric Height: **647.51sft** Ellipsoid Height: **540.46sft** **Geoid12A**

Latitude: **N41°35'57.62121"** Longitude: **W91°36'00.71351"**

Mapping Angle: **1°15'05"** Combination Scale Factor: **0.999946721**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **53**

Designation: 92-53 Johnson County GPS Control Point (Set by ASI in 1992)

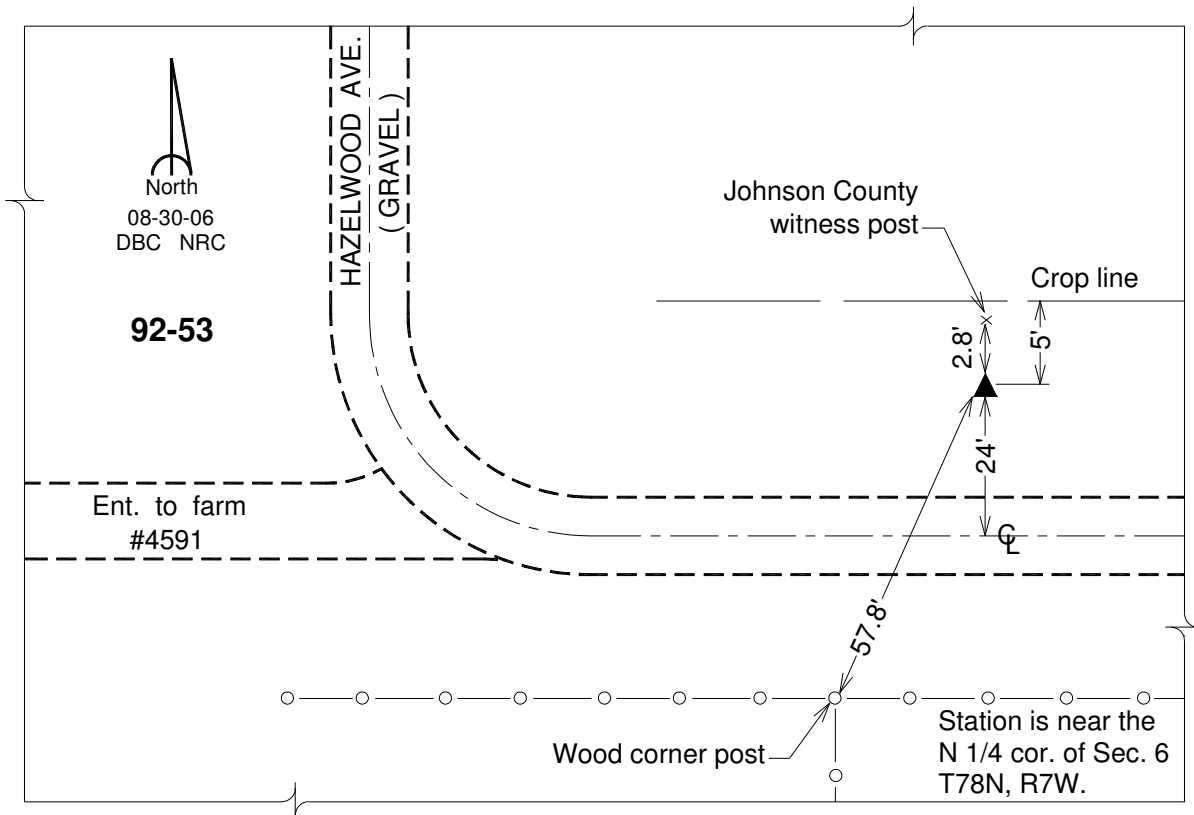
Northing: **588049.80sft** Easting: **2131329.73sft**

Orthometric Height: **690.98sft** Ellipsoid Height: **584.05sft** **Geoid12A**

Latitude: **N41°36'00.42189"** Longitude: **W91°42'17.96739"**

Mapping Angle: **1°10'57"** Combination Scale Factor: **0.999944735**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **54**

Designation: 92-54 Johnson County GPS Control Point (Set by ASI in 1992)

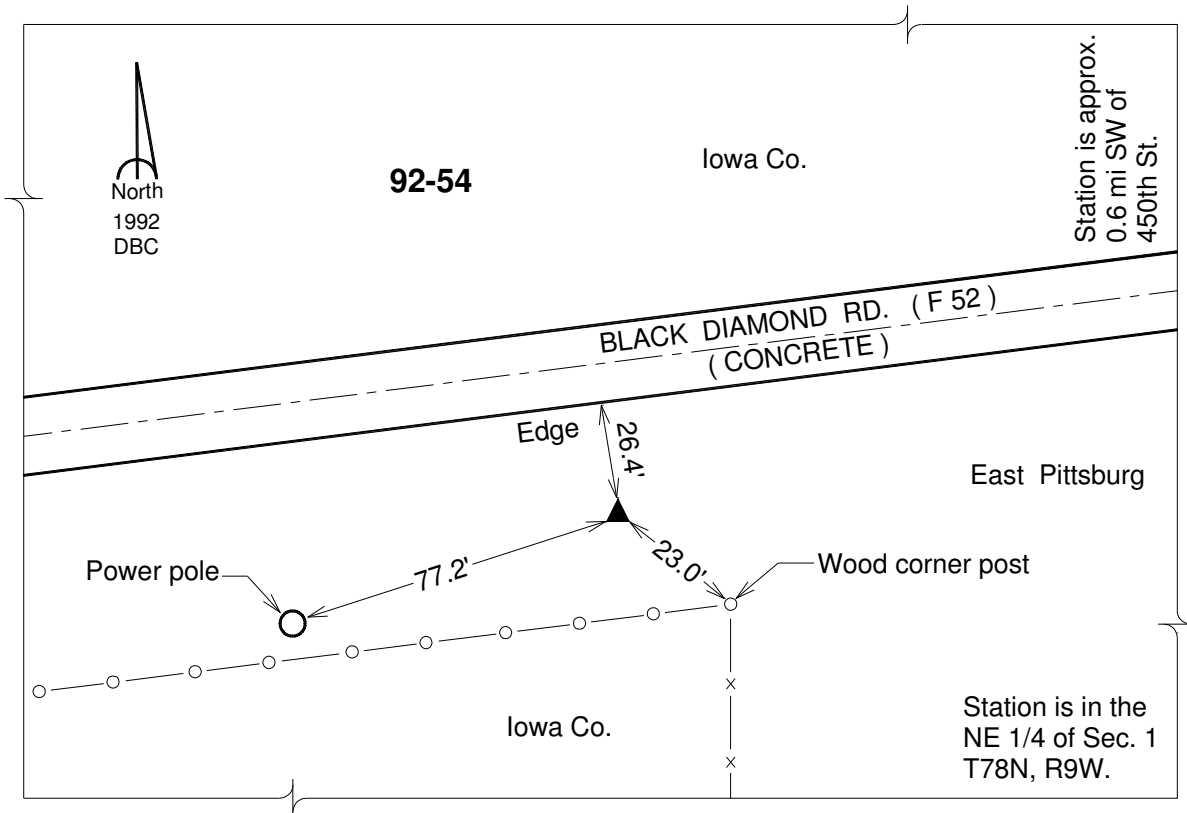
Northing: **587328.40sft** Easting: **2096259.98sft**

Orthometric Height: **715.04sft** Ellipsoid Height: **608.36sft** **Geoid12A**

Latitude: **N41°36'00.19027"** Longitude: **W91°49'59.66542"**

Mapping Angle: **1°05'52"** Combination Scale Factor: **0.999943568**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **55**

Designation: 92-55 Johnson County GPS Control Point (Set by ASI in 1992)

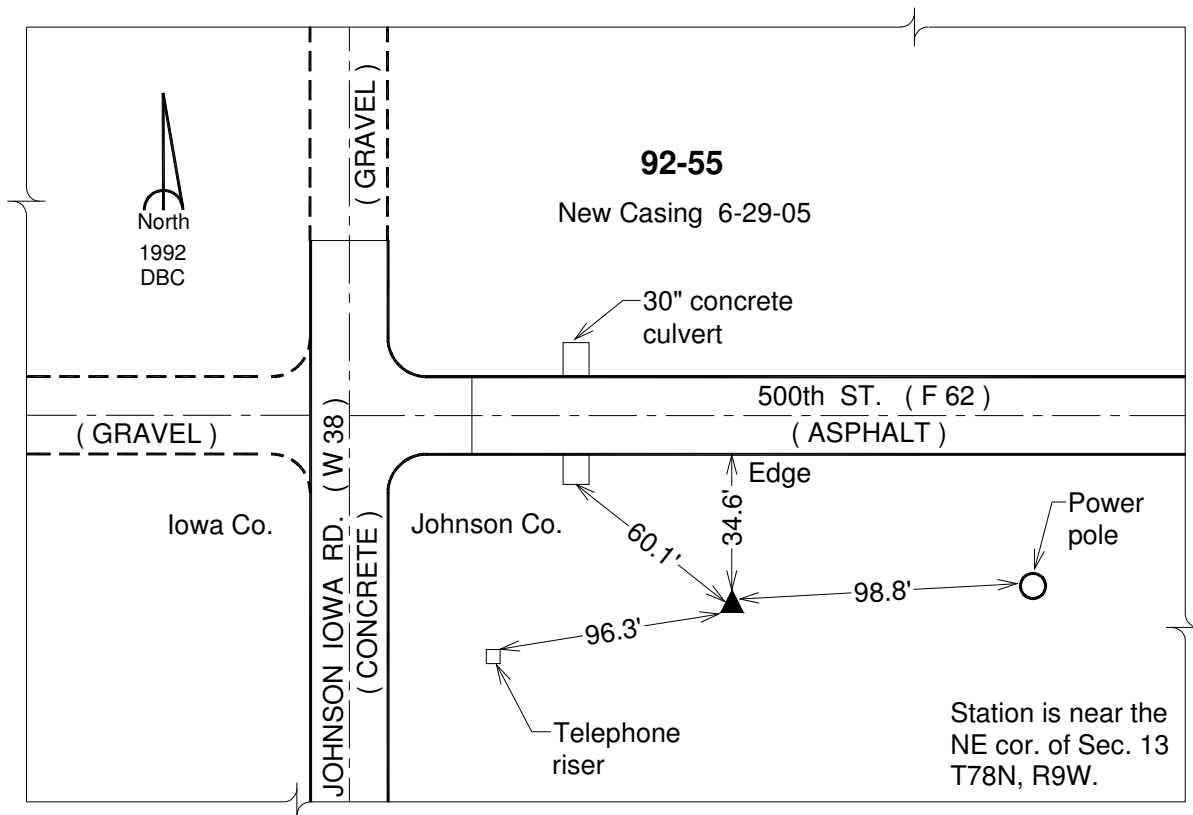
Northing: **576182.80sft** Easting: **2098113.87sft**

Orthometric Height: **742.28sft** Ellipsoid Height: **635.48sft** **Geoid12A**

Latitude: **N41°34'09.74149"** Longitude: **W91°49'38.08937"**

Mapping Angle: **1°06'07"** Combination Scale Factor: **0.999938689**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **56**

Designation: 92-56 Johnson County GPS Control Point (Set by ASI in 1992)

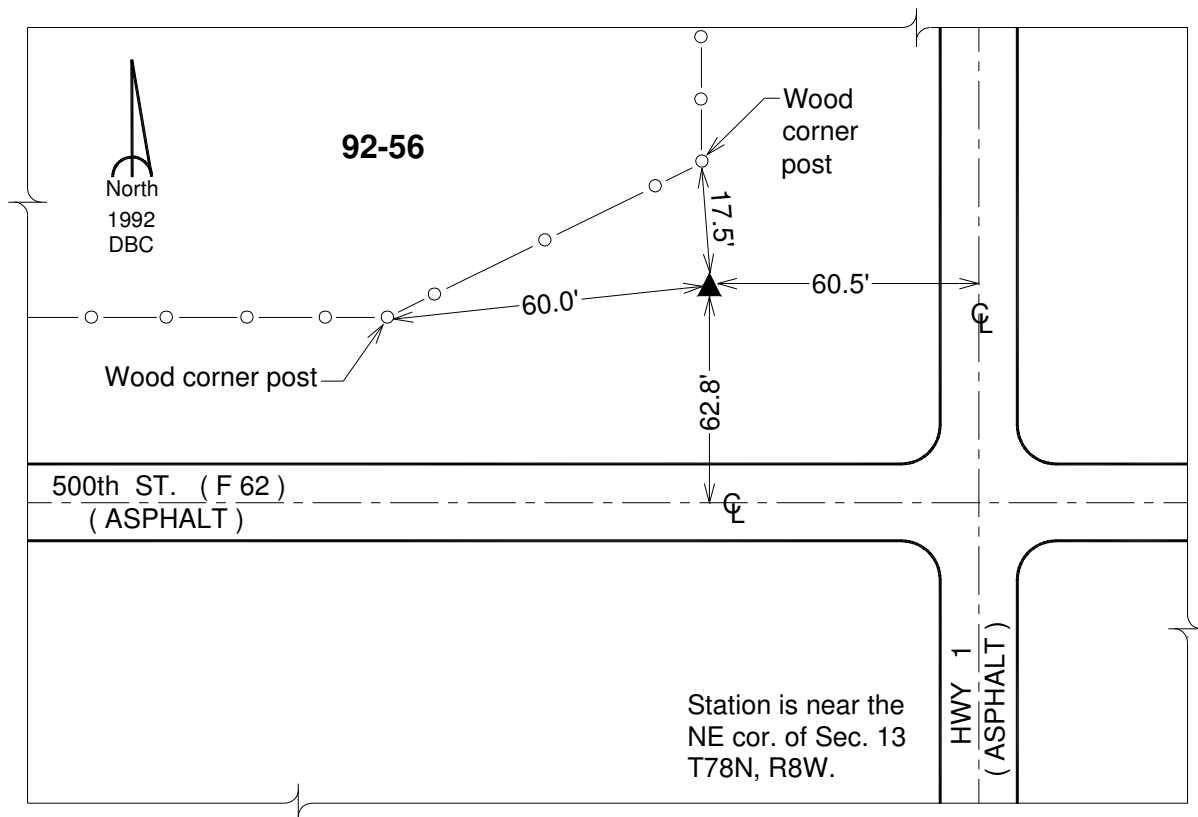
Northing: **576859.80sft** Easting: **2129293.97sft**

Orthometric Height: **793.98sft** Ellipsoid Height: **687.02sft** **Geoid12A**

Latitude: **N41°34'10.30326"** Longitude: **W91°42'47.78234"**

Mapping Angle: **1°10'37"** Combination Scale Factor: **0.999936248**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **57**

Designation: 92-57 Johnson County GPS Control Point (Set by ASI in 1992)

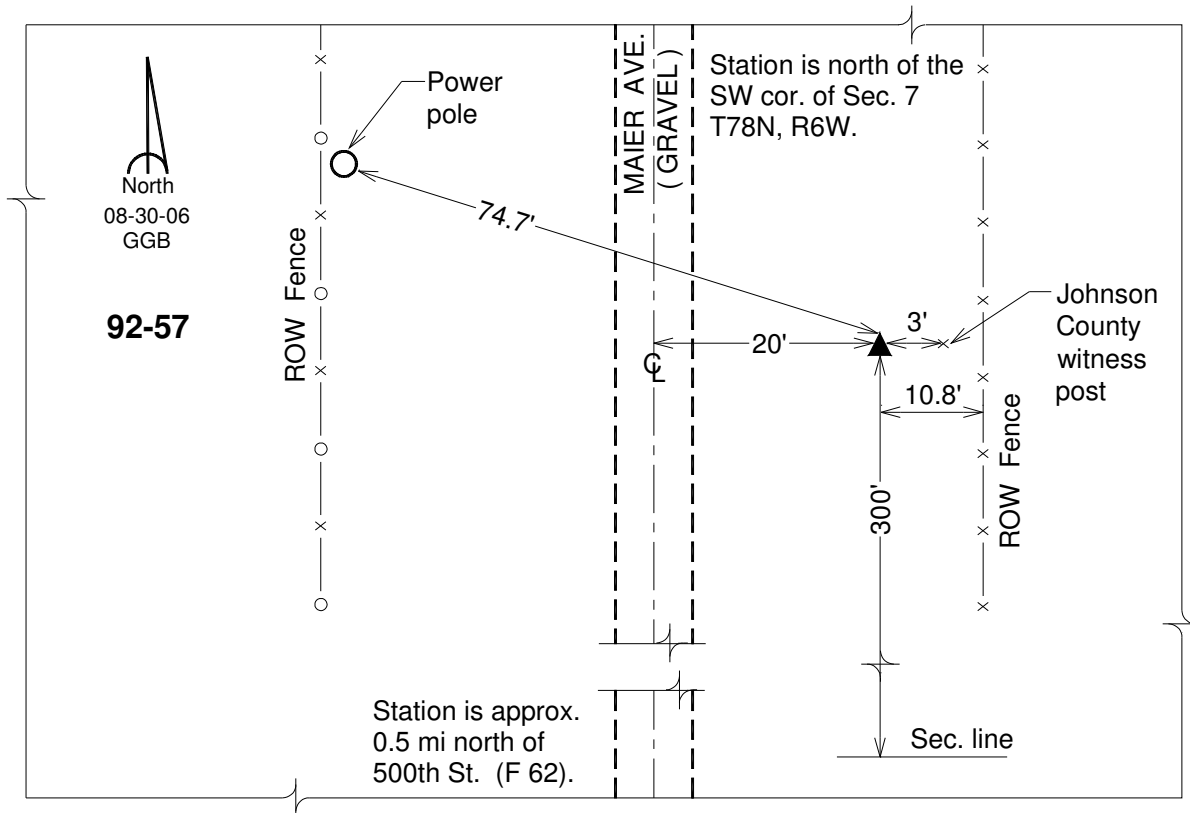
Northing: **577389.80sft** Easting: **2160747.14sft**

Orthometric Height: **740.59sft** Ellipsoid Height: **633.49sft** **Geoid12A**

Latitude: **N41°34'08.95031"** Longitude: **W91°35'53.92458"**

Mapping Angle: **1°15'10"** Combination Scale Factor: **0.999938760**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **58**

Designation: 92-58 Johnson County GPS Control Point (Set by ASI in 1992)

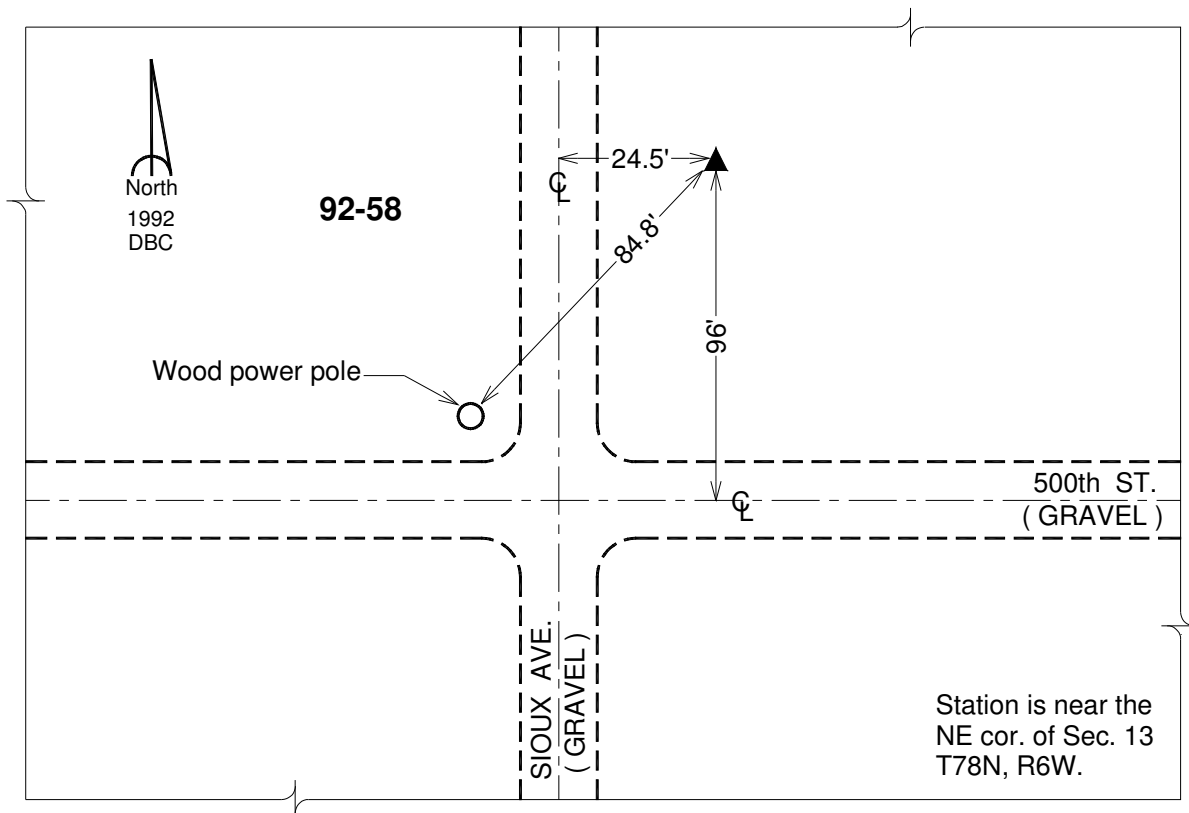
Northing: **578138.22sft** Easting: **2192479.26sft**

Orthometric Height: **660.62sft** Ellipsoid Height: **553.36sft** **Geoid12A**

Latitude: **N41°34'09.28008"** Longitude: **W91°28'56.33685"**

Mapping Angle: **1°19'45"** Combination Scale Factor: **0.999942594**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



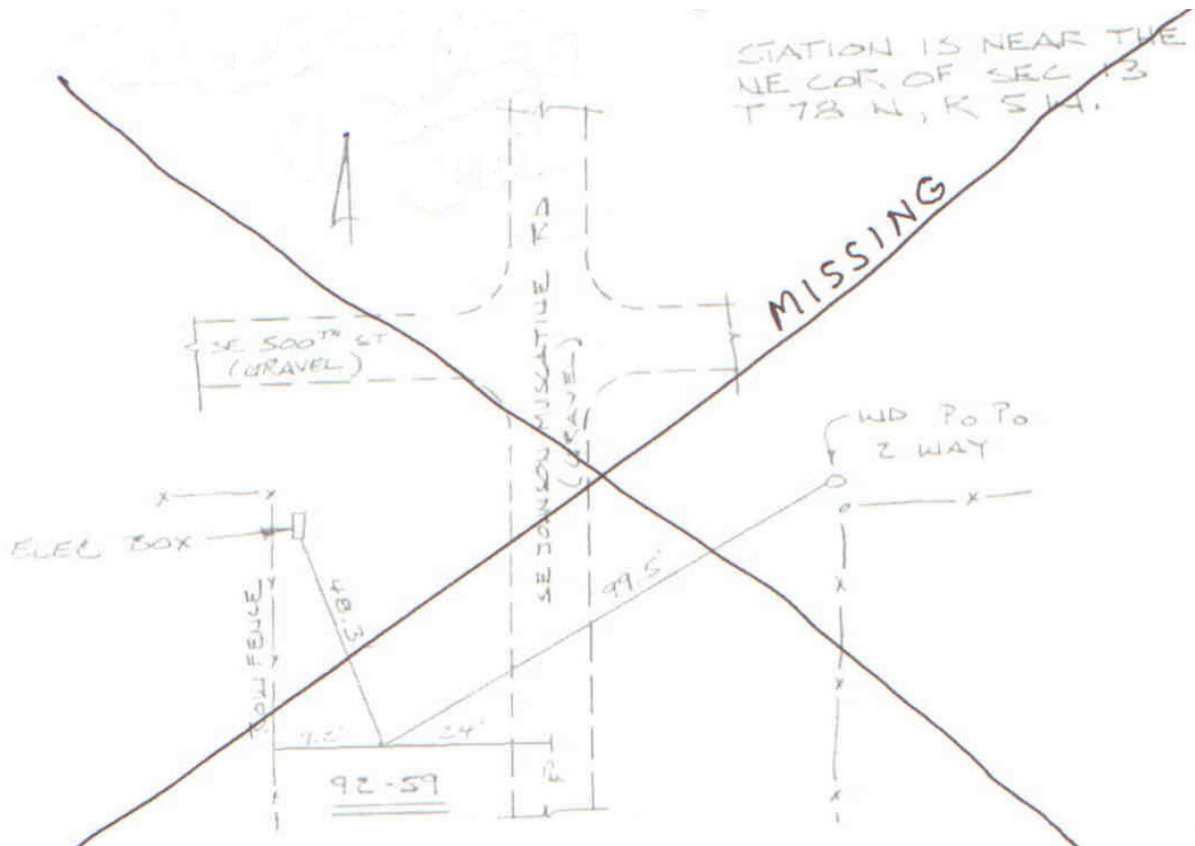
This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
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Point Name: **59**

Designation: MISSING - MARK NOT FOUND

Monument Type:



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **60**

Designation: 92-60 Johnson County GPS Control Point (Set by ASI in 1992)

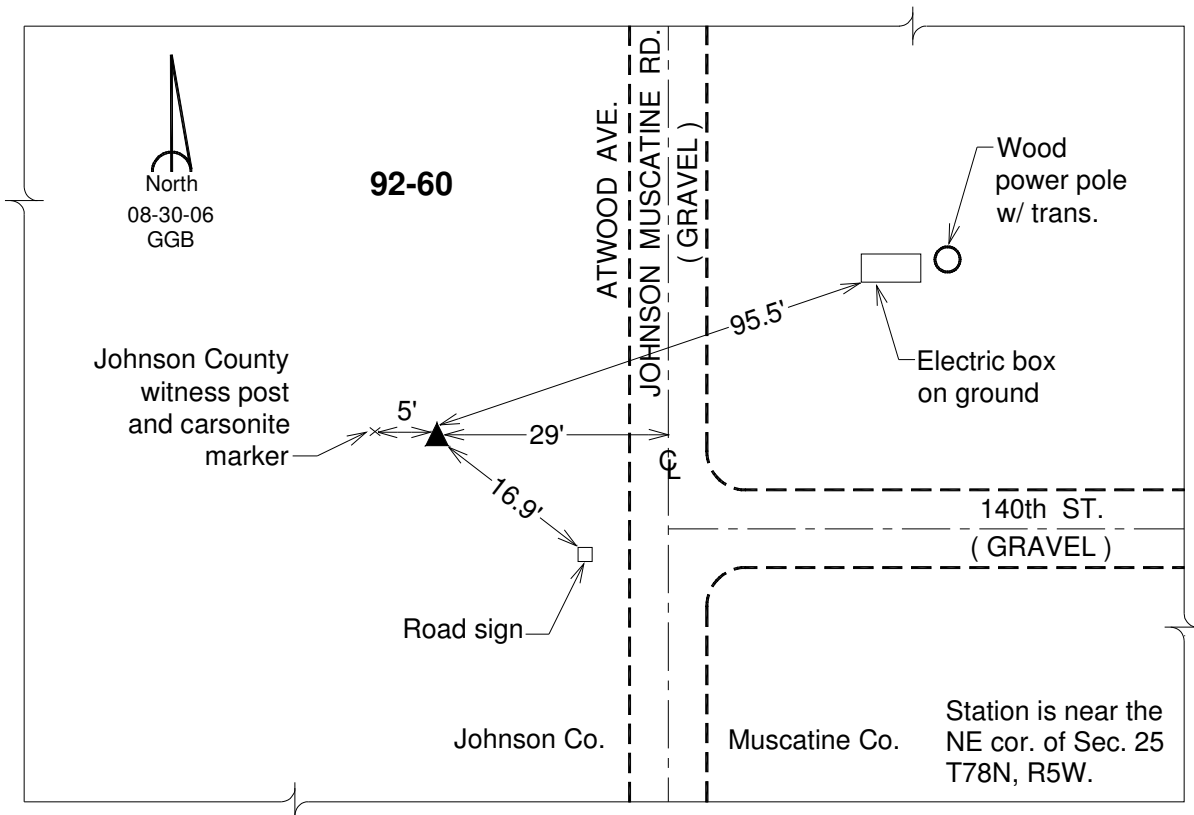
Northing: **568053.95sft** Easting: **2224216.30sft**

Orthometric Height: **660.71sft** Ellipsoid Height: **553.34sft** **Geoid12A**

Latitude: **N41°32'22.19576"** Longitude: **W91°22'02.17800"**

Mapping Angle: **1°24'17"** Combination Scale Factor: **0.999939395**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **61**

Designation: 92-61 Johnson County GPS Control Point (Set by ASI in 1992)

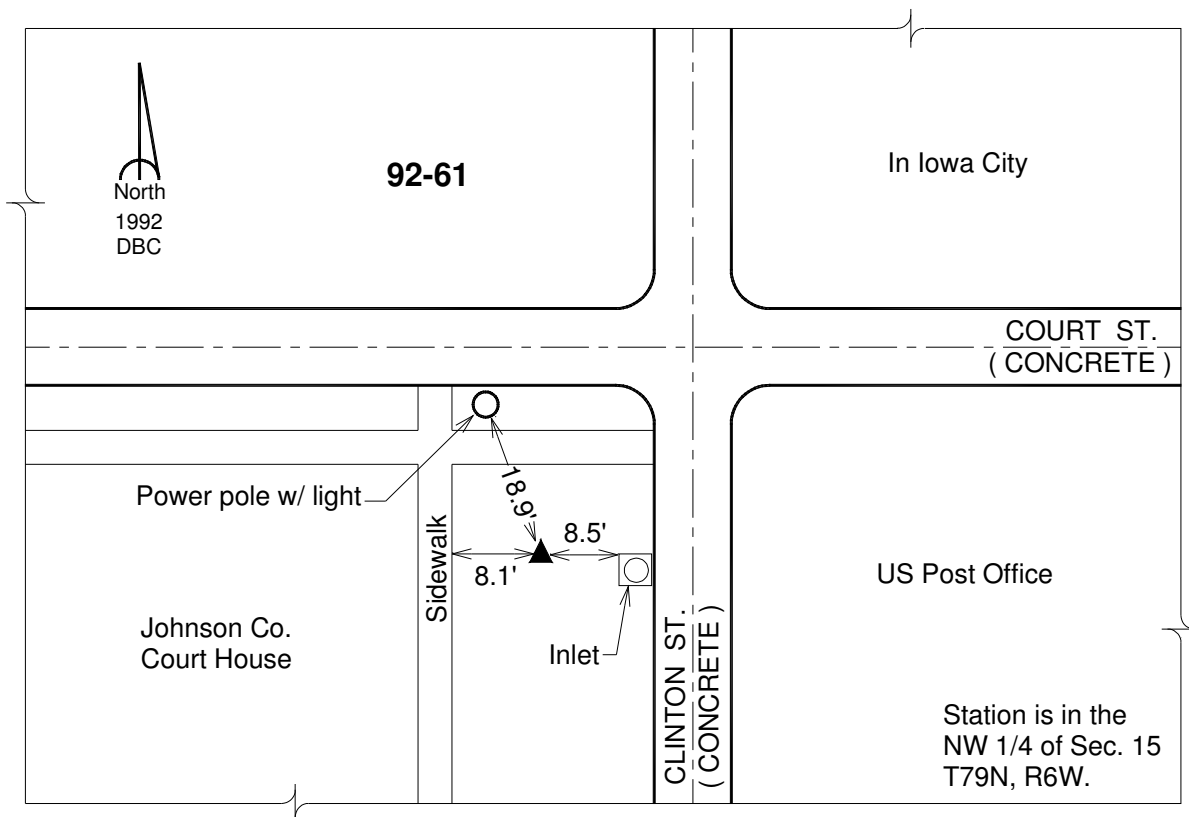
Northing: **609594.23sft** Easting: **2177408.76sft**

Orthometric Height: **689.52sft** Ellipsoid Height: **582.49sft** **Geoid12A**

Latitude: **N41°39'23.38716"** Longitude: **W91°32'05.20674"**

Mapping Angle: **1°17'40"** Combination Scale Factor: **0.999952147**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **62**

Designation: 92-62 Johnson County GPS Control Point (Set by ASI in 1992)

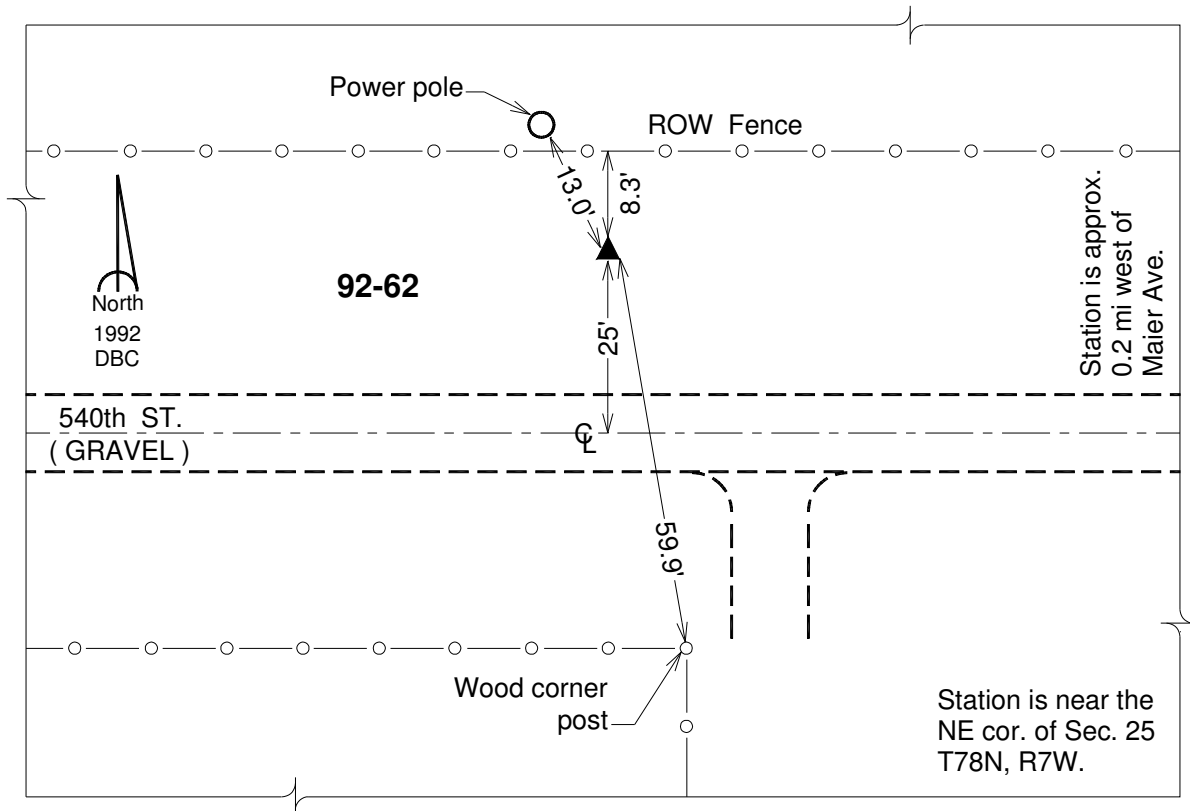
Northing: **566698.36sft** Easting: **2160846.68sft**

Orthometric Height: **722.71sft** Ellipsoid Height: **615.56sft** **Geoid12A**

Latitude: **N41°32'23.32267"** Longitude: **W91°35'55.68954"**

Mapping Angle: **1°15'08"** Combination Scale Factor: **0.999936458**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **63**

Designation: 92-63 Johnson County GPS Control Point (Set by ASI in 1992)

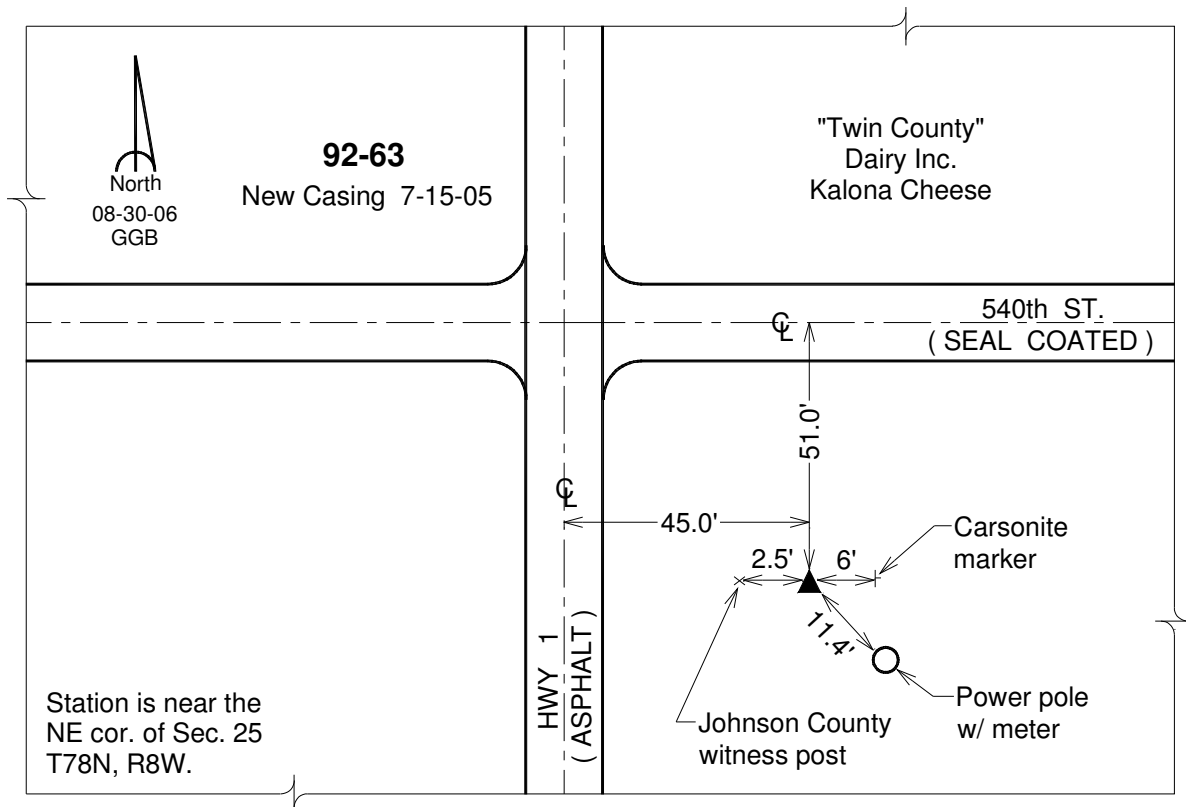
Northing: **566174.91**sft Easting: **2129614.99**sft

Orthometric Height: **757.98**sft Ellipsoid Height: **650.96**sft **Geoid12A**

Latitude: **N41°32'24.69369"** Longitude: **W91°42'46.44780"**

Mapping Angle: **1°10'38"** Combination Scale Factor: **0.999934809**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **64**

Designation: 92-64 Johnson County GPS Control Point (Set by ASI in 1992)

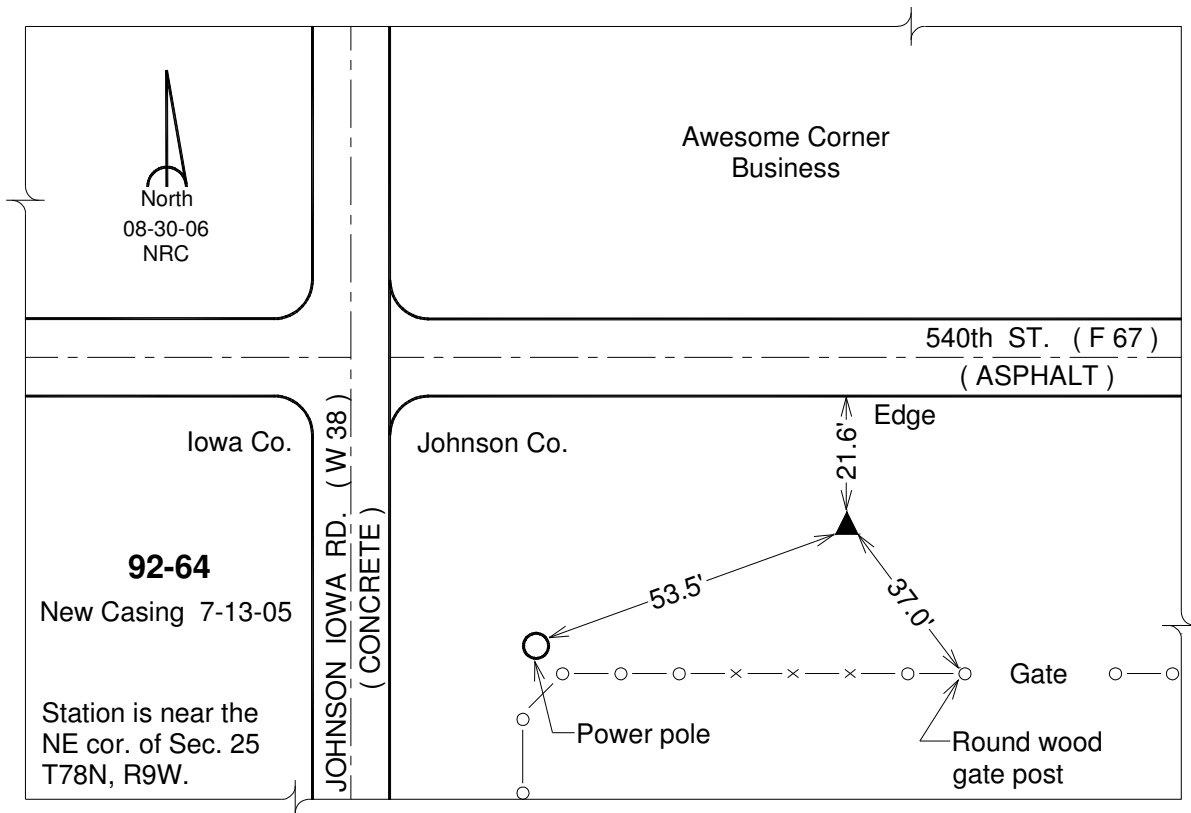
Northing: **565634.11sft** Easting: **2098041.24sft**

Orthometric Height: **734.09sft** Ellipsoid Height: **627.19sft** **Geoid12A**

Latitude: **N41°32'25.55349"** Longitude: **W91°49'41.71184"**

Mapping Angle: **1°06'04"** Combination Scale Factor: **0.999935967**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **65**

Designation: 92-65 Johnson County GPS Control Point (Set by ASI in 1992)

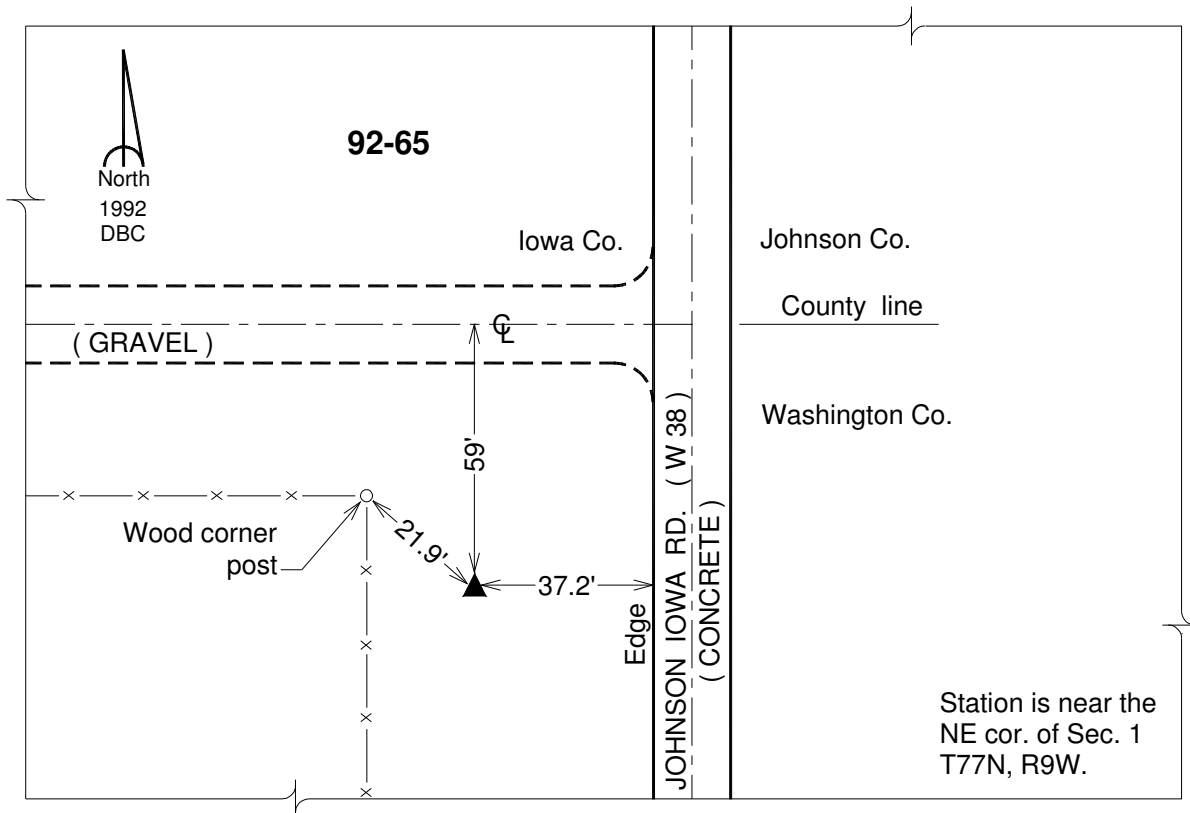
Northing: **555021.02sft** Easting: **2097931.46sft**

Orthometric Height: **727.29sft** Ellipsoid Height: **620.29sft** **Geoid12A**

Latitude: **N41°30'40.73559"** Longitude: **W91°49'45.83555"**

Mapping Angle: **1°06'02"** Combination Scale Factor: **0.999933418**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **66**

Designation: 92-66 Johnson County GPS Control Point (Set by ASI in 1992)

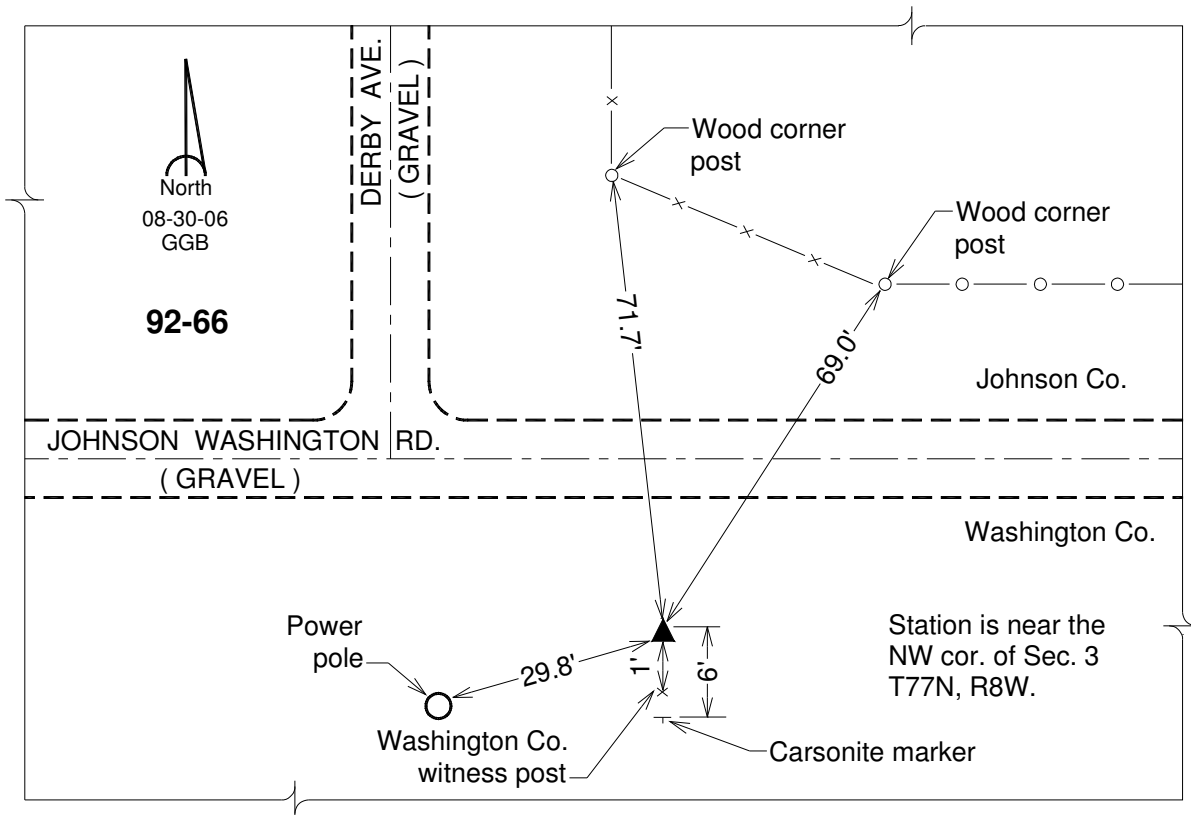
Northing: **555457.18sft** Easting: **2113835.15sft**

Orthometric Height: **687.68sft** Ellipsoid Height: **580.62sft** **Geoid12A**

Latitude: **N41°30'41.97394"** Longitude: **W91°46'16.71718"**

Mapping Angle: **1°08'19"** Combination Scale Factor: **0.999935343**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **67**

Designation: 92-67 Johnson County GPS Control Point (Set by ASI in 1992)

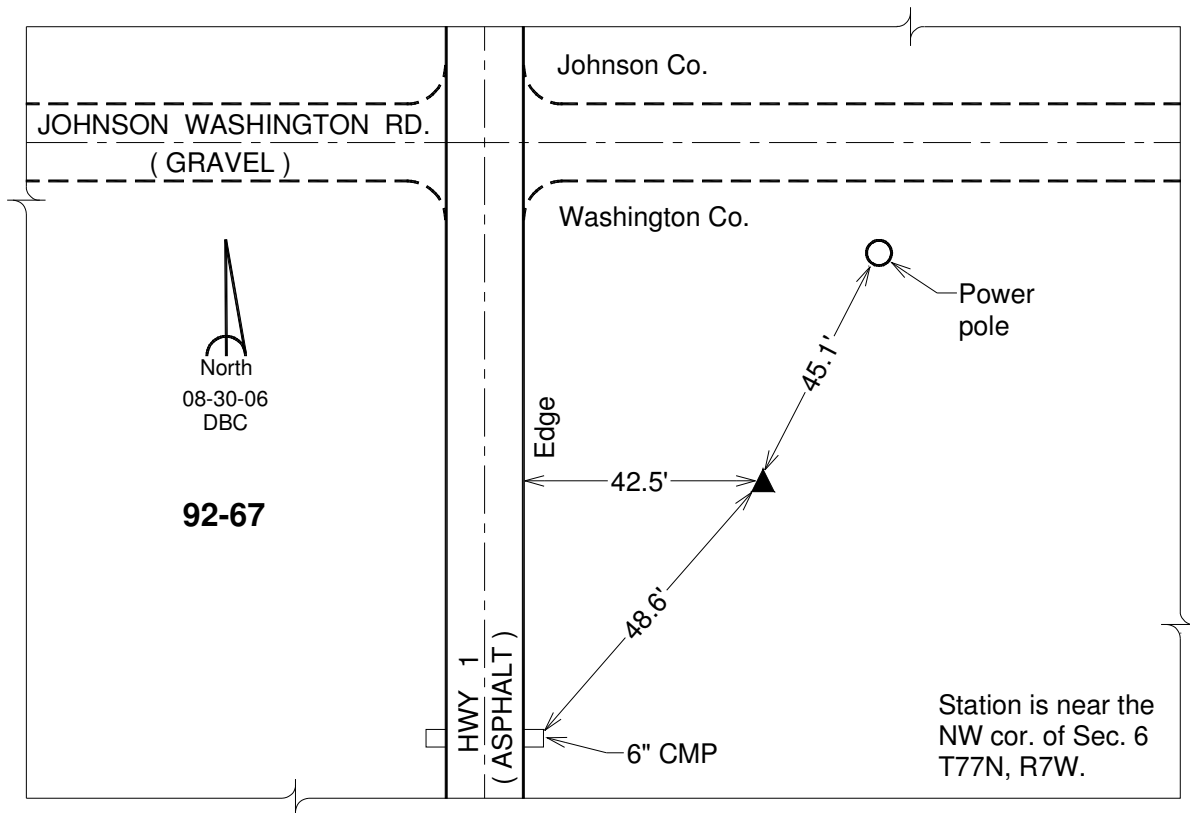
Northing: **555583.27**sft Easting: **2129631.41**sft

Orthometric Height: **763.03**sft Ellipsoid Height: **655.94**sft **Geoid12A**

Latitude: **N41°30'40.06631"** Longitude: **W91°42'49.09213"**

Mapping Angle: **1°10'36"** Combination Scale Factor: **0.999931700**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **68**

Designation: 92-68 Johnson County GPS Control Point (Set by ASI in 1992)

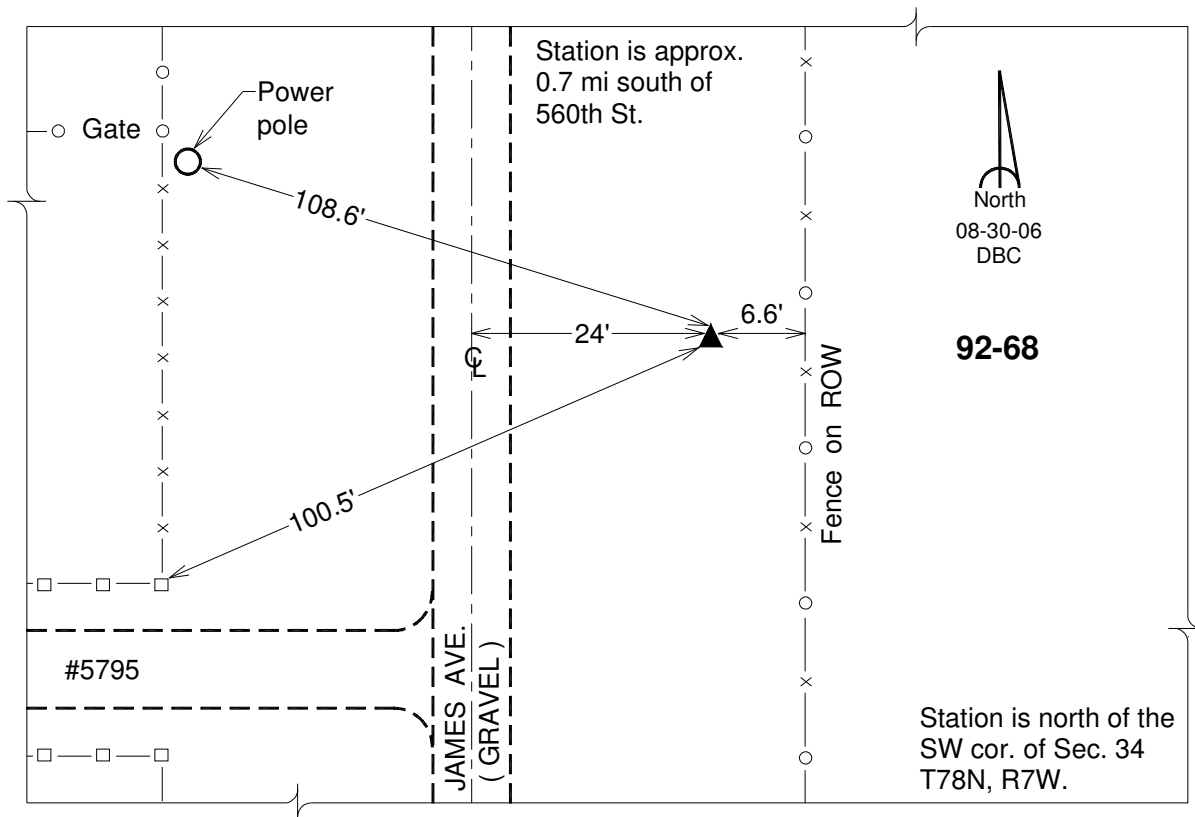
Northing: **556097.73sft** Easting: **2145194.93sft**

Orthometric Height: **731.89sft** Ellipsoid Height: **624.75sft** **Geoid12A**

Latitude: **N41°30'41.94016"** Longitude: **W91°39'24.42097"**

Mapping Angle: **1°12'51"** Combination Scale Factor: **0.999933237**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **69**

Designation: 92-69 Johnson County GPS Control Point (Set by ASI in 1992)

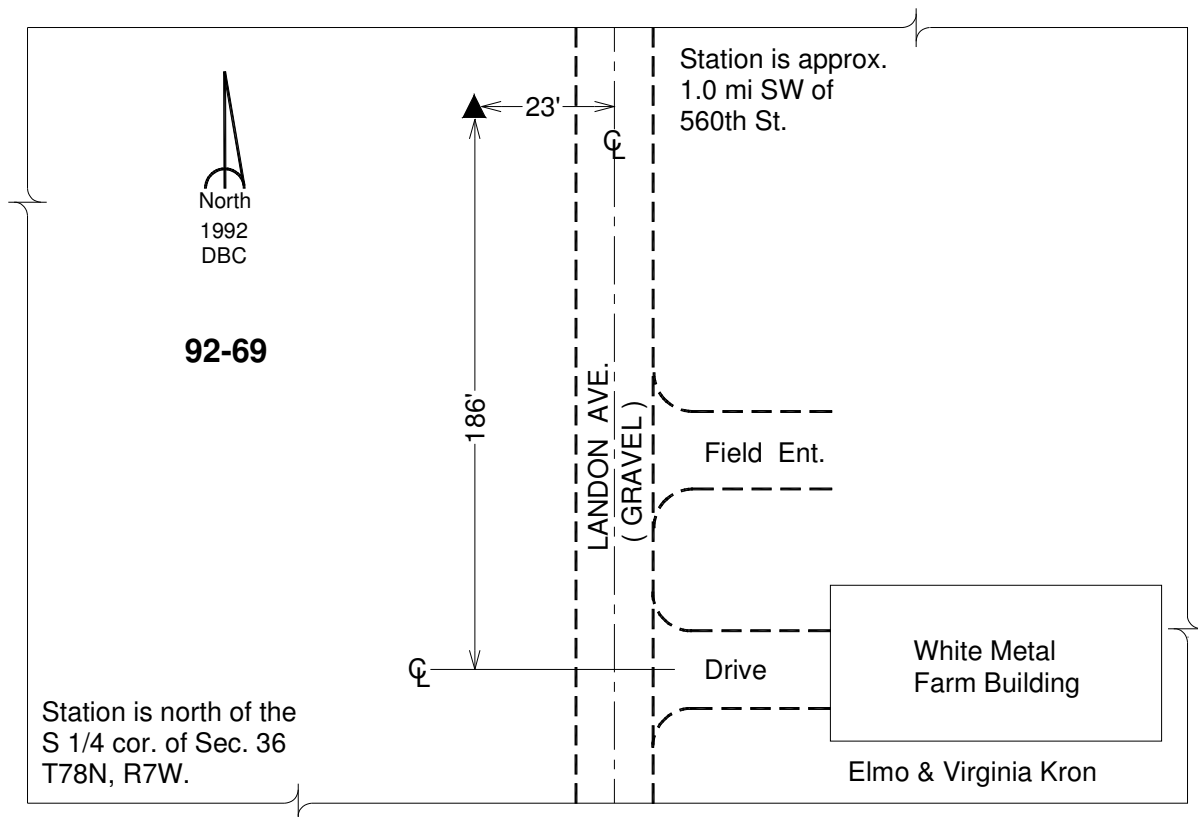
Northing: **556189.71sft** Easting: **2158347.68sft**

Orthometric Height: **751.08sft** Ellipsoid Height: **643.88sft** **Geoid12A**

Latitude: **N41°30'40.05934"** Longitude: **W91°36'31.54852"**

Mapping Angle: **1°14'45"** Combination Scale Factor: **0.999932275**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **70**

Designation: 92-70 Johnson County GPS Control Point (Set by ASI in 1992)

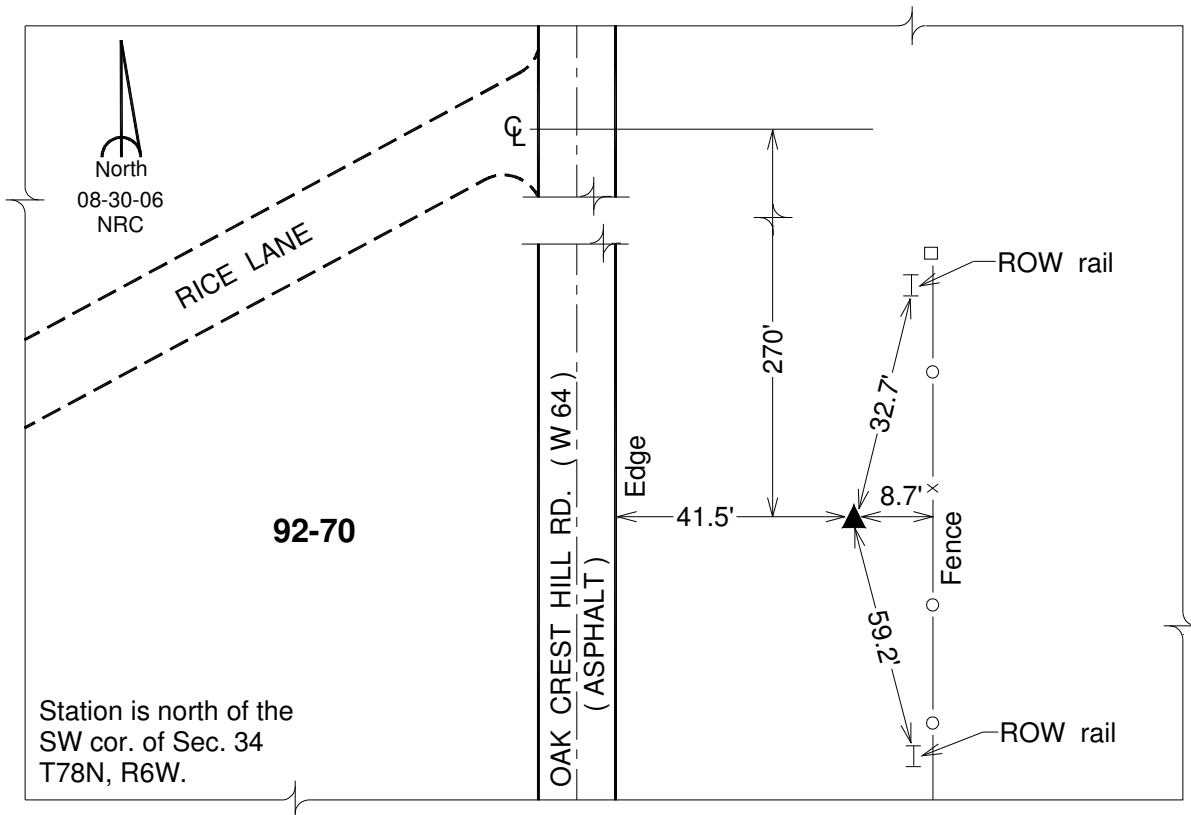
Northing: **557119.37sft** Easting: **2176965.53sft**

Orthometric Height: **747.06sft** Ellipsoid Height: **639.75sft** **Geoid12A**

Latitude: **N41°30'45.17113"** Longitude: **W91°32'26.61409"**

Mapping Angle: **1°17'26"** Combination Scale Factor: **0.999932606**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **71**

Designation: 92-71 Johnson County GPS Control Point (Set by ASI in 1992)

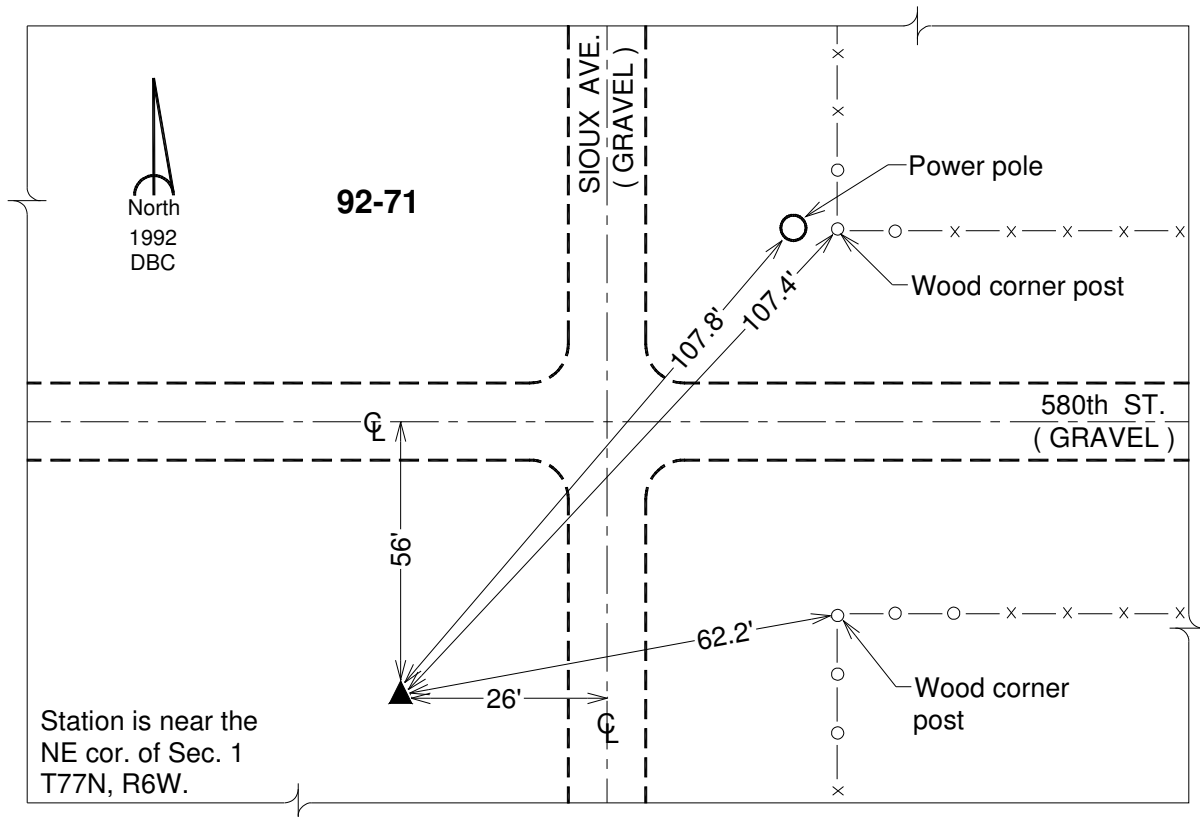
Northing: **556832.51sft** Easting: **2192710.65sft**

Orthometric Height: **657.80sft** Ellipsoid Height: **550.40sft** **Geoid12A**

Latitude: **N41°30'38.78258"** Longitude: **W91°28'59.79181"**

Mapping Angle: **1°19'42"** Combination Scale Factor: **0.999936702**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **72**

Designation: 92-72 Johnson County GPS Control Point (Set by ASI in 1992)

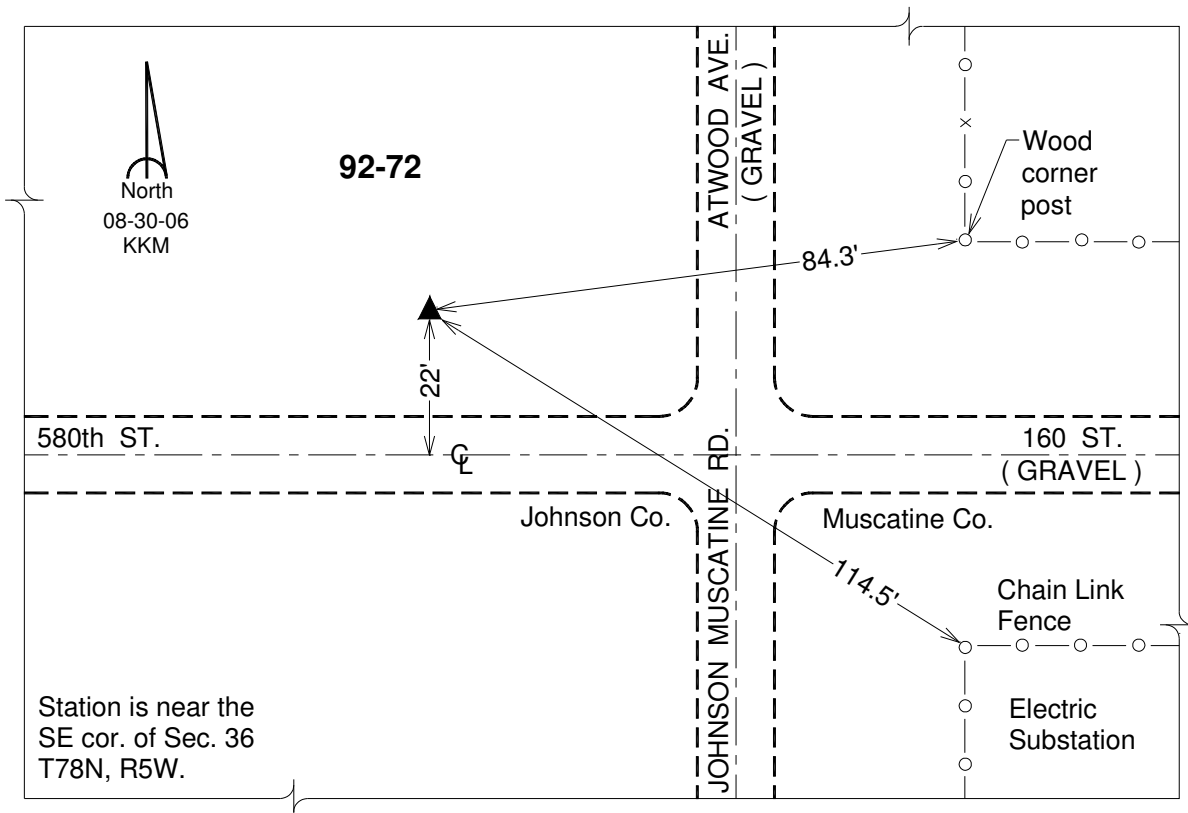
Northing: **557447.98sft** Easting: **2224316.51sft**

Orthometric Height: **732.59sft** Ellipsoid Height: **625.14sft** **Geoid12A**

Latitude: **N41°30'37.41525"** Longitude: **W91°22'04.27902"**

Mapping Angle: **1°24'16"** Combination Scale Factor: **0.999933099**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
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Point Name: **73**

Designation: 92-73 Johnson County GPS Control Point (Set by ASI in 1992)

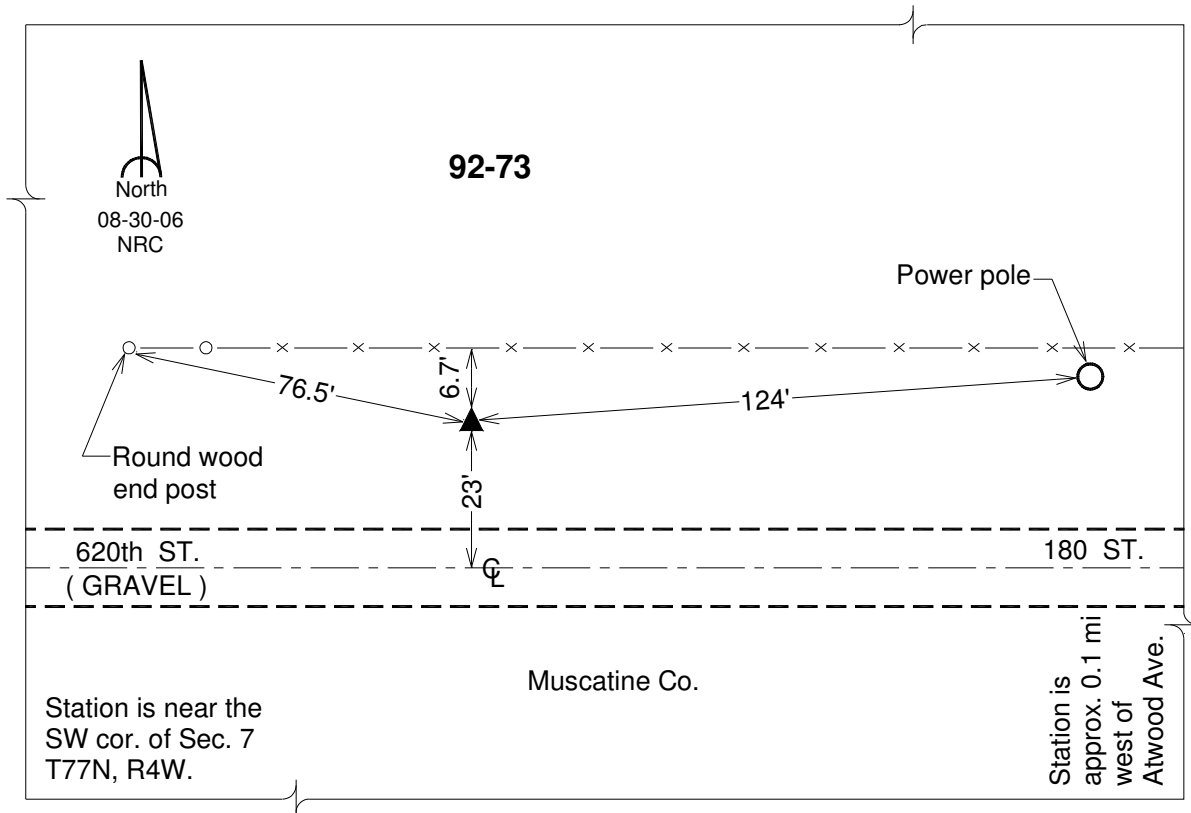
Northing: **546868.79sft** Easting: **2224697.07sft**

Orthometric Height: **663.40sft** Ellipsoid Height: **555.86sft** **Geoid12A**

Latitude: **N41°28'52.83046"** Longitude: **W91°22'02.68717"**

Mapping Angle: **1°24'17"** Combination Scale Factor: **0.999933799**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **74**

Designation: 92-74 Johnson County GPS Control Point (Set by ASI in 1992)

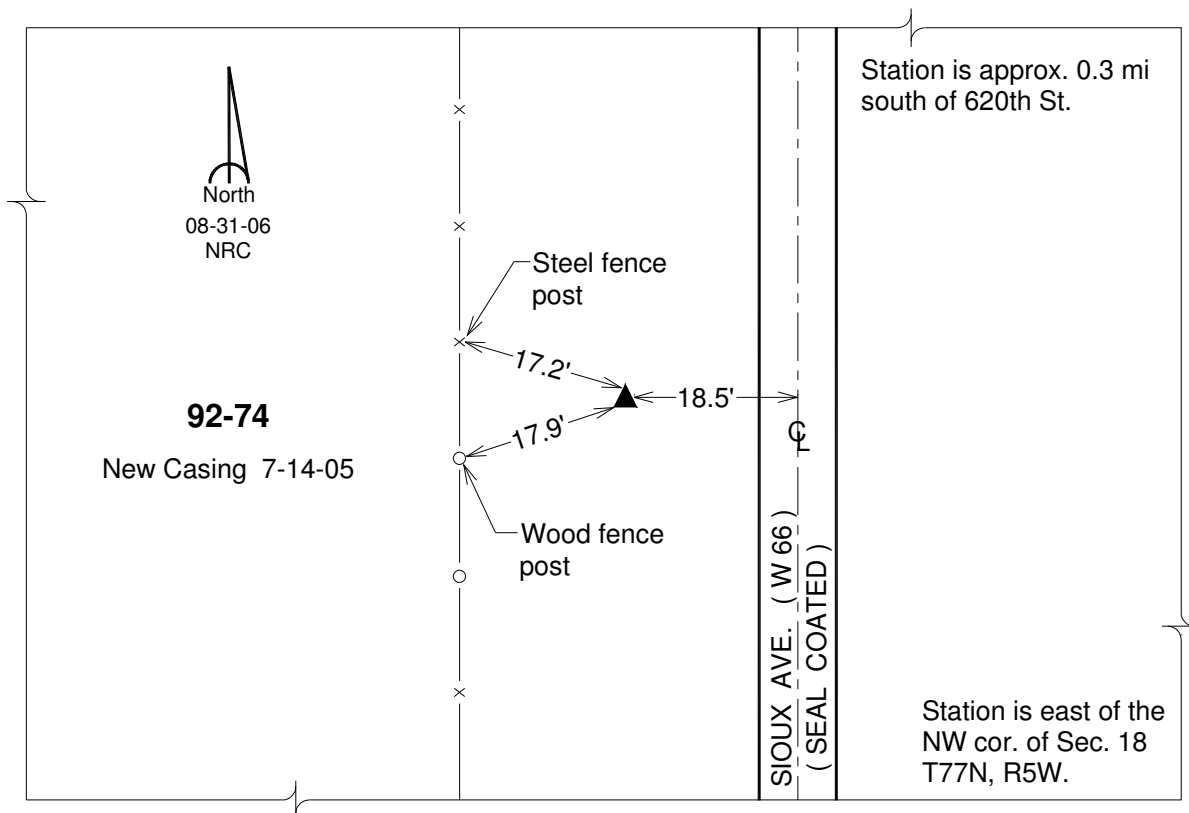
Northing: **546539.96sft** Easting: **2194005.58sft**

Orthometric Height: **643.07sft** Ellipsoid Height: **535.60sft** **Geoid12A**

Latitude: **N41°28'56.82111"** Longitude: **W91°28'45.91768"**

Mapping Angle: **1°19'51"** Combination Scale Factor: **0.999934860**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **75**

Designation: 92-75 Johnson County GPS Control Point (Set by ASI in 1992)

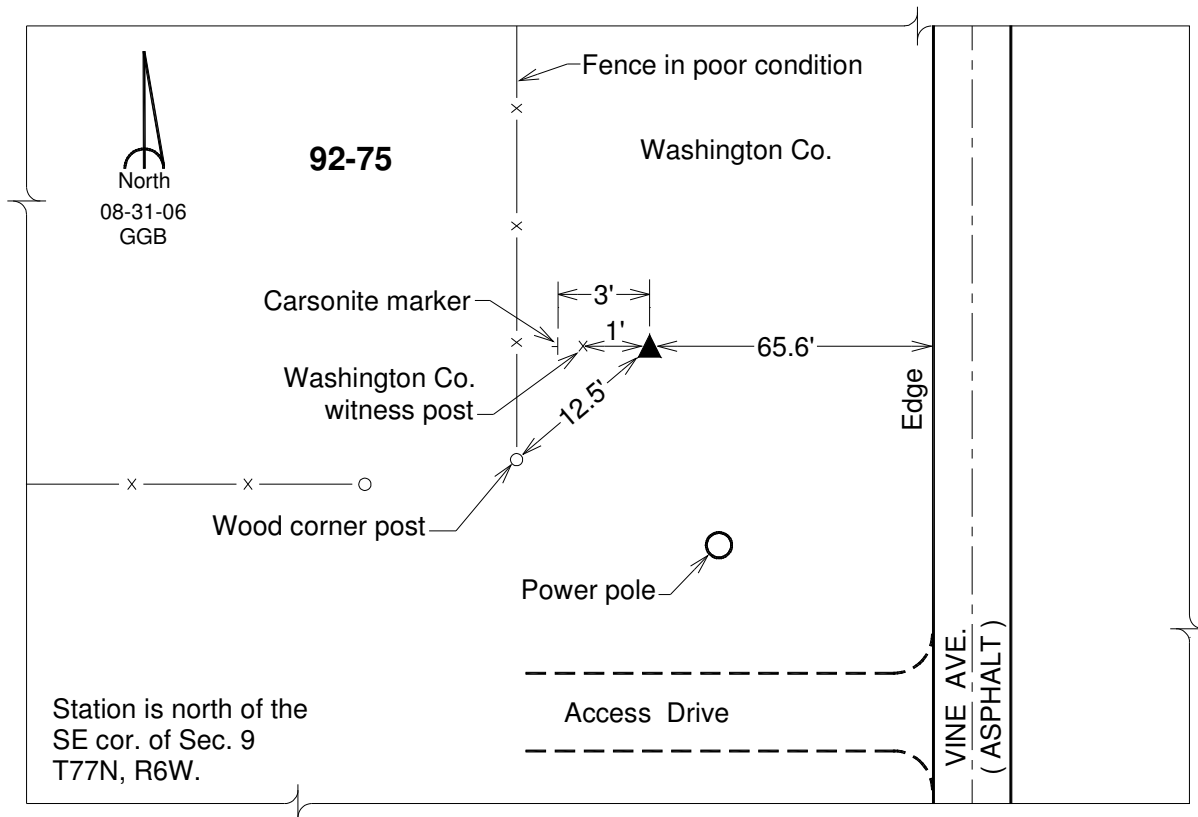
Northing: **546436.16sft** Easting: **2176943.36sft**

Orthometric Height: **624.35sft** Ellipsoid Height: **516.96sft** **Geoid12A**

Latitude: **N41°28'59.65111"** Longitude: **W91°32'30.06672"**

Mapping Angle: **1°17'24"** Combination Scale Factor: **0.999935817**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **76**

Designation: 92-76 Johnson County GPS Control Point (Set by ASI in 1992)

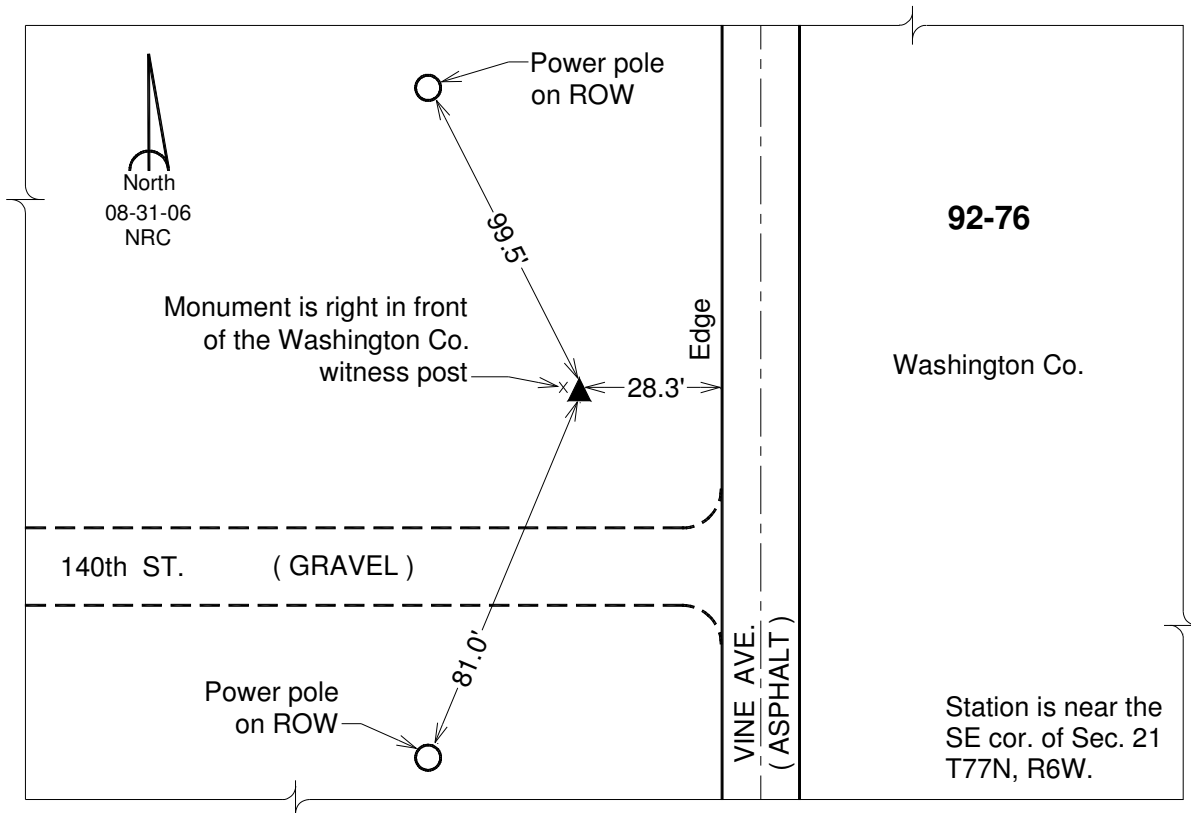
Northing: **535545.07sft** Easting: **2177224.54sft**

Orthometric Height: **725.57sft** Ellipsoid Height: **618.13sft** **Geoid12A**

Latitude: **N41°27'12.00944"** Longitude: **W91°32'29.59480"**

Mapping Angle: **1°17'24"** Combination Scale Factor: **0.999928558**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **77**

Designation: 92-77 Johnson County GPS Control Point (Set by ASI in 1992)

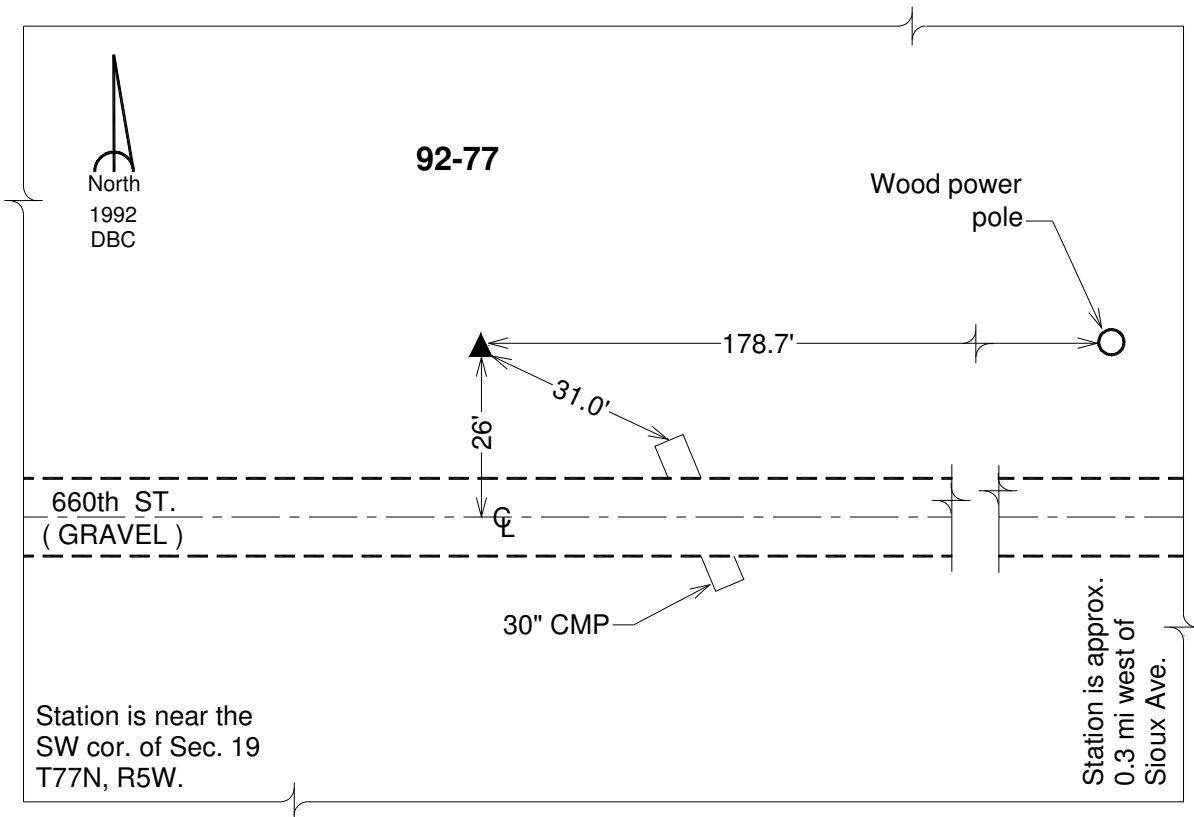
Northing: **535743.47sft** Easting: **2192979.09sft**

Orthometric Height: **620.59sft** Ellipsoid Height: **513.06sft** **Geoid12A**

Latitude: **N41°27'10.41339"** Longitude: **W91°29'02.68808"**

Mapping Angle: **1°19'40"** Combination Scale Factor: **0.999933538**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **78**

Designation: 92-78 Johnson County GPS Control Point (Set by ASI in 1992)

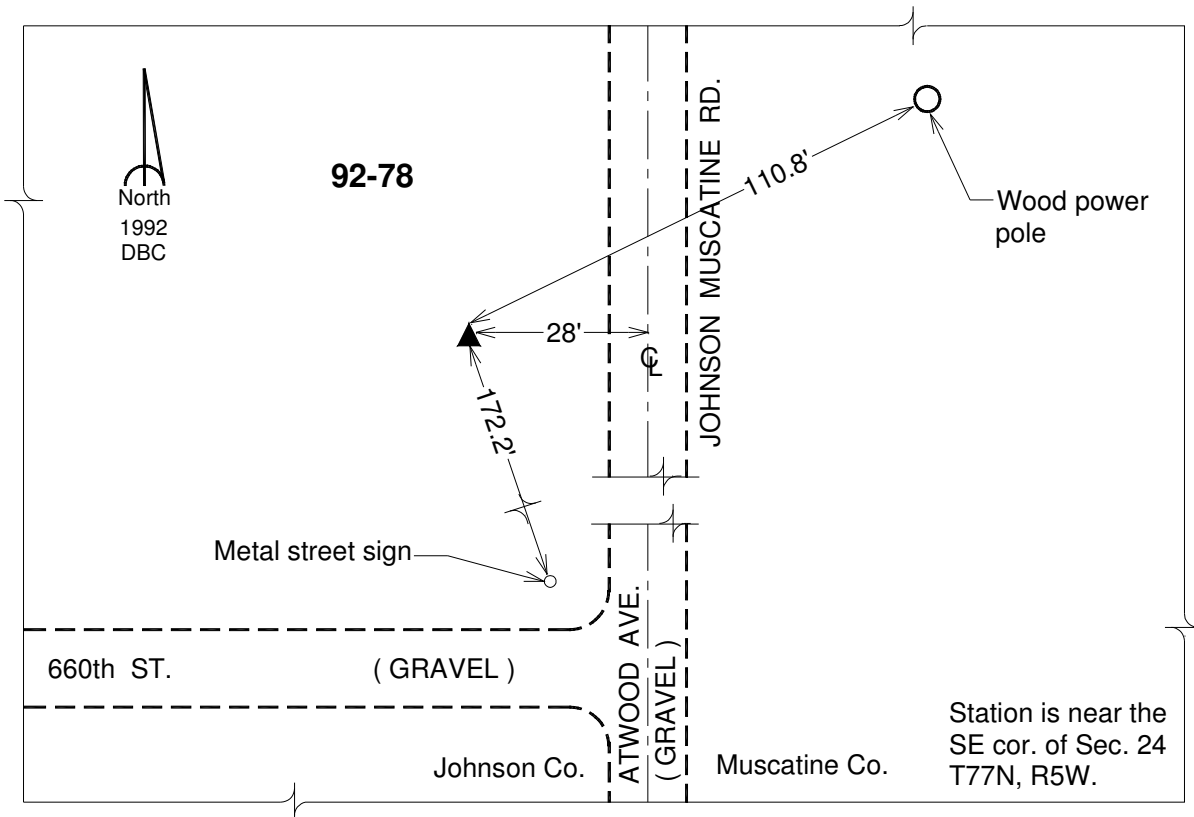
Northing: **536456.60**sft Easting: **2224736.01**sft

Orthometric Height: **709.54**sft Ellipsoid Height: **601.90**sft **Geoid12A**

Latitude: **N41°27'09.97713"** Longitude: **W91°22'05.52819"**

Mapping Angle: **1°24'15"** Combination Scale Factor: **0.999929290**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **79**

Designation: 92-79 Johnson County GPS Control Point (Set by ASI in 1992)

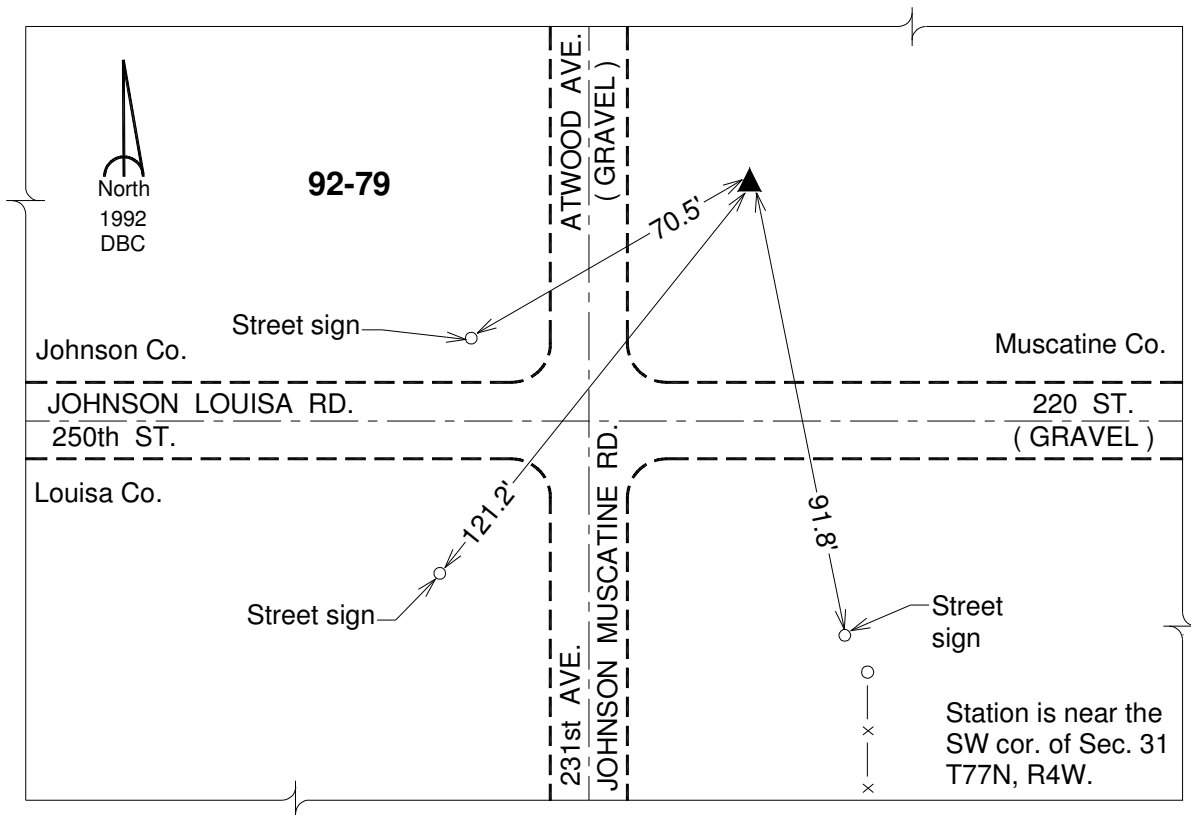
Northing: **525741.17sft** Easting: **2224938.82sft**

Orthometric Height: **615.48sft** Ellipsoid Height: **507.74sft** **Geoid12A**

Latitude: **N41°25'24.08814"** Longitude: **W91°22'06.31362"**

Mapping Angle: **1°24'15"** Combination Scale Factor: **0.999931661**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **80**

Designation: 92-80 Johnson County GPS Control Point (Set by ASI in 1992)

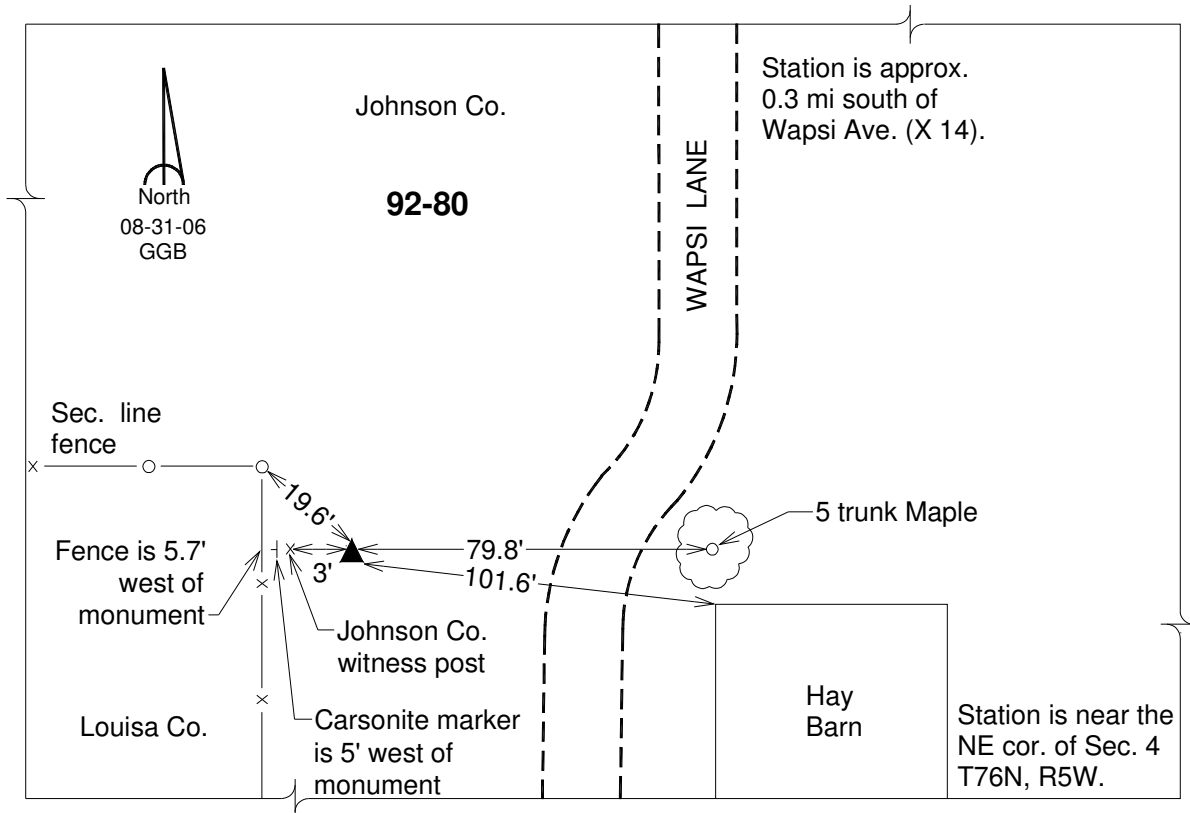
Northing: **525375.16sft** Easting: **2208918.61sft**

Orthometric Height: **647.89sft** Ellipsoid Height: **540.22sft** **Geoid12A**

Latitude: **N41°25'24.29825"** Longitude: **W91°25'36.66284"**

Mapping Angle: **1°21'56"** Combination Scale Factor: **0.999930115**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **81**

Designation: 92-81 Johnson County GPS Control Point (Set by ASI in 1992)

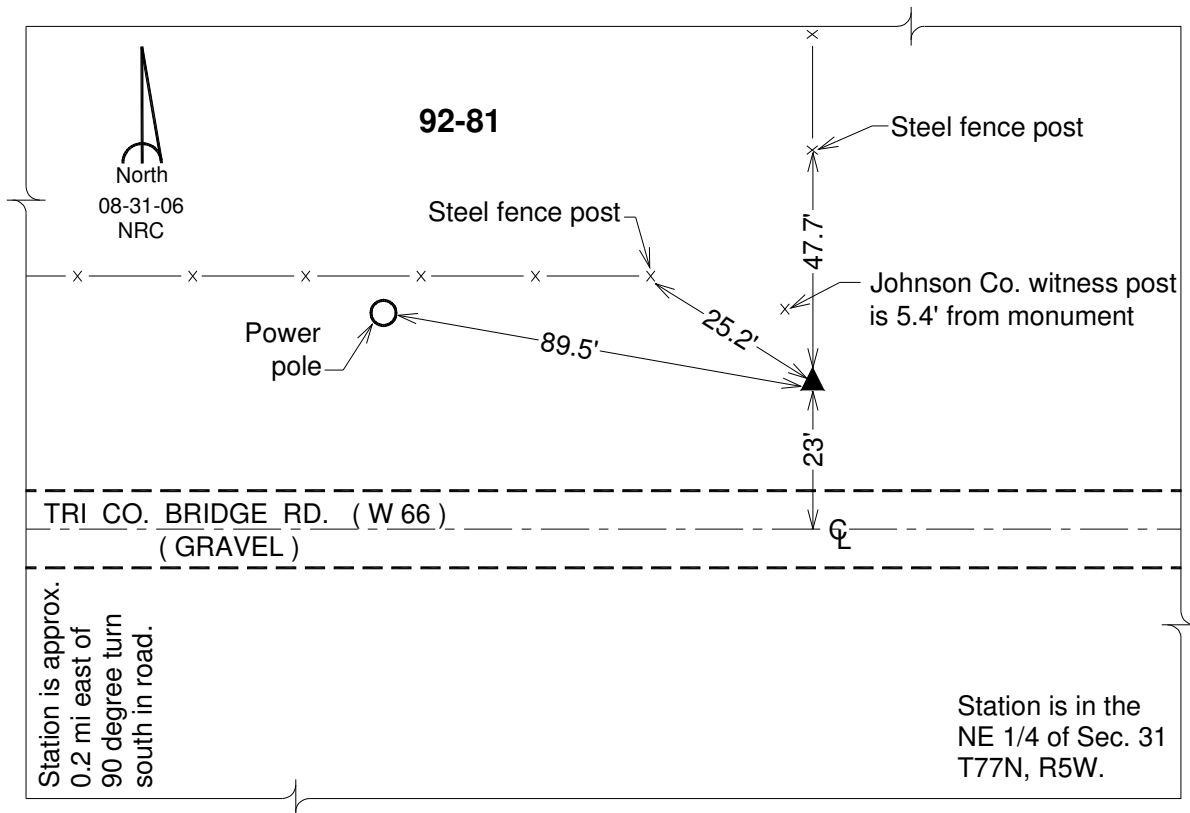
Northing: **527886.40sft** Easting: **2197153.09sft**

Orthometric Height: **617.15sft** Ellipsoid Height: **509.56sft** **Geoid12A**

Latitude: **N41°25'51.84510"** Longitude: **W91°28'10.29539"**

Mapping Angle: **1°20'15"** Combination Scale Factor: **0.999932105**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **82**

Designation: 92-82 Johnson County GPS Control Point (Set by ASI in 1992)

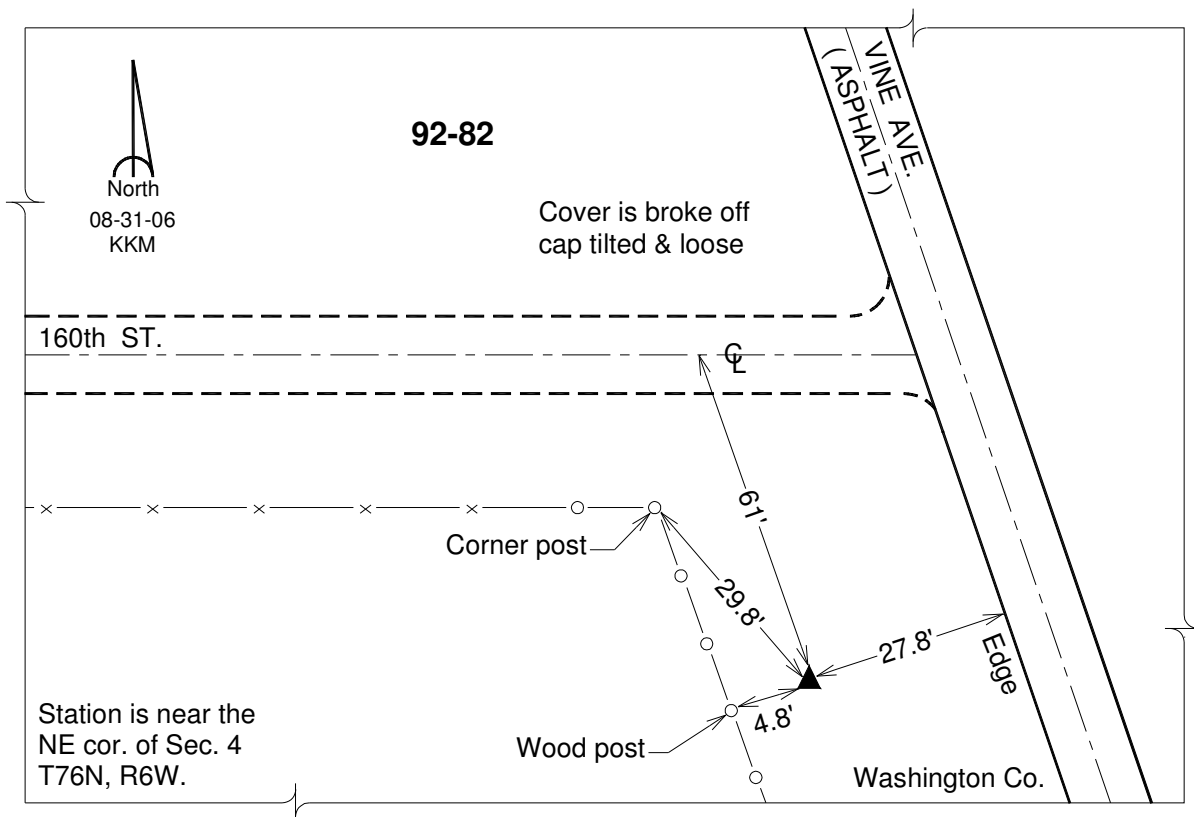
Northing: **524867.81sft** Easting: **2177749.33sft**

Orthometric Height: **752.40sft** Ellipsoid Height: **644.90sft** **Geoid12A**

Latitude: **N41°25'26.42499"** Longitude: **W91°32'25.86313"**

Mapping Angle: **1°17'27"** Combination Scale Factor: **0.999925161**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **83**

Designation: 92-83 Johnson County GPS Control Point (Set by ASI in 1992)

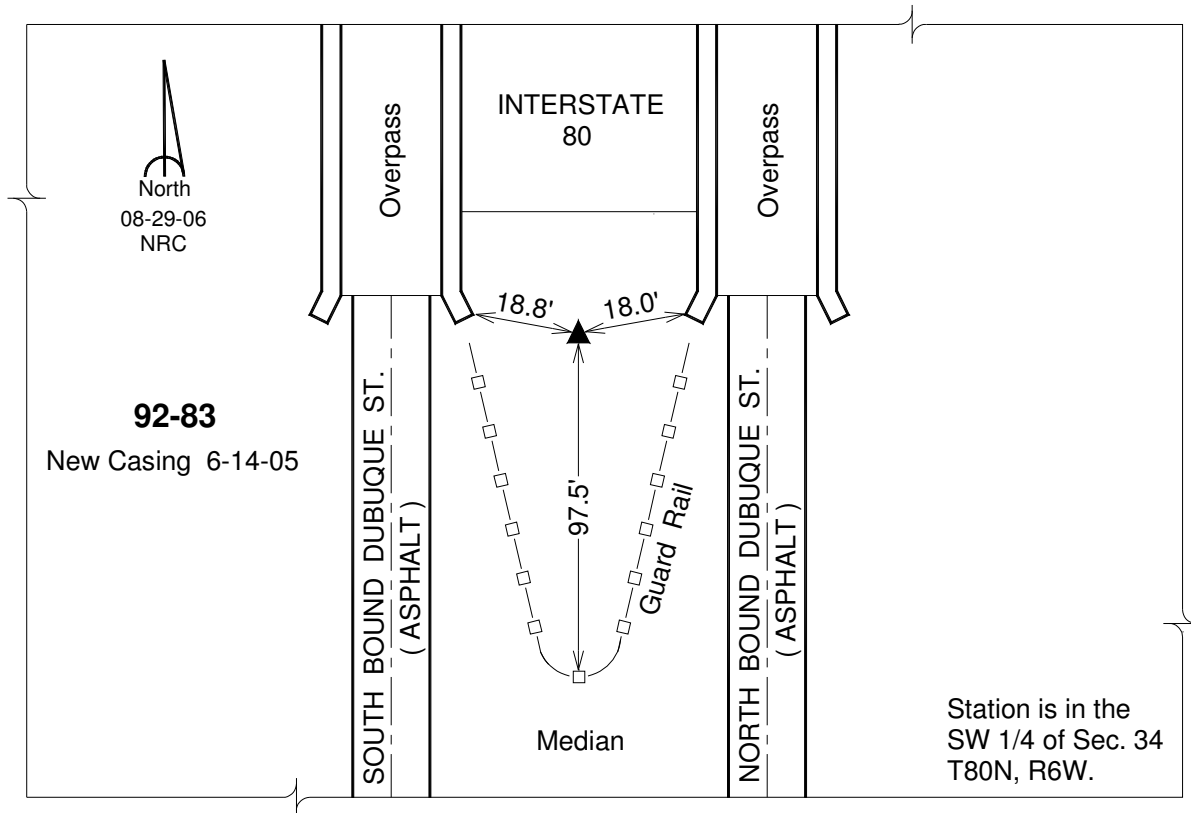
Northing: **620438.17sft** Easting: **2175846.04sft**

Orthometric Height: **755.76sft** Ellipsoid Height: **648.79sft** **Geoid12A**

Latitude: **N41°41'10.84248"** Longitude: **W91°32'22.56896"**

Mapping Angle: **1°17'29"** Combination Scale Factor: **0.999953261**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **84**

Designation: 92-84 Johnson County GPS Control Point (Set by ASI in 1992)

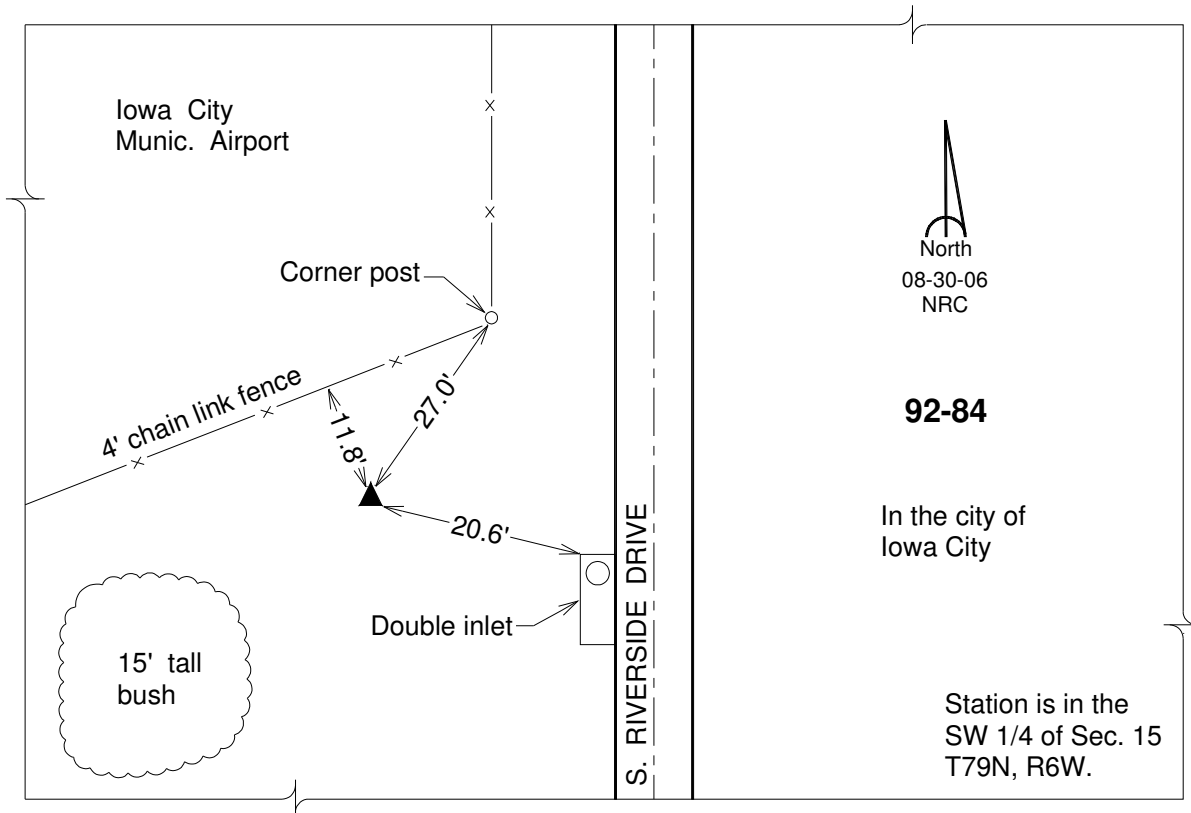
Northing: **604341.63sft** Easting: **2176258.95sft**

Orthometric Height: **648.16sft** Ellipsoid Height: **541.11sft** **Geoid12A**

Latitude: **N41°38'31.76247"** Longitude: **W91°32'21.90971"**

Mapping Angle: **1°17'29"** Combination Scale Factor: **0.999952163**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **85**

Designation: USGS third order bench mark "665 15 LMT 1963"

Northing: **567693.17sft** Easting: **2192577.47sft**

Orthometric Height: **664.76sft** Ellipsoid Height: **557.43sft** **Geoid12A**

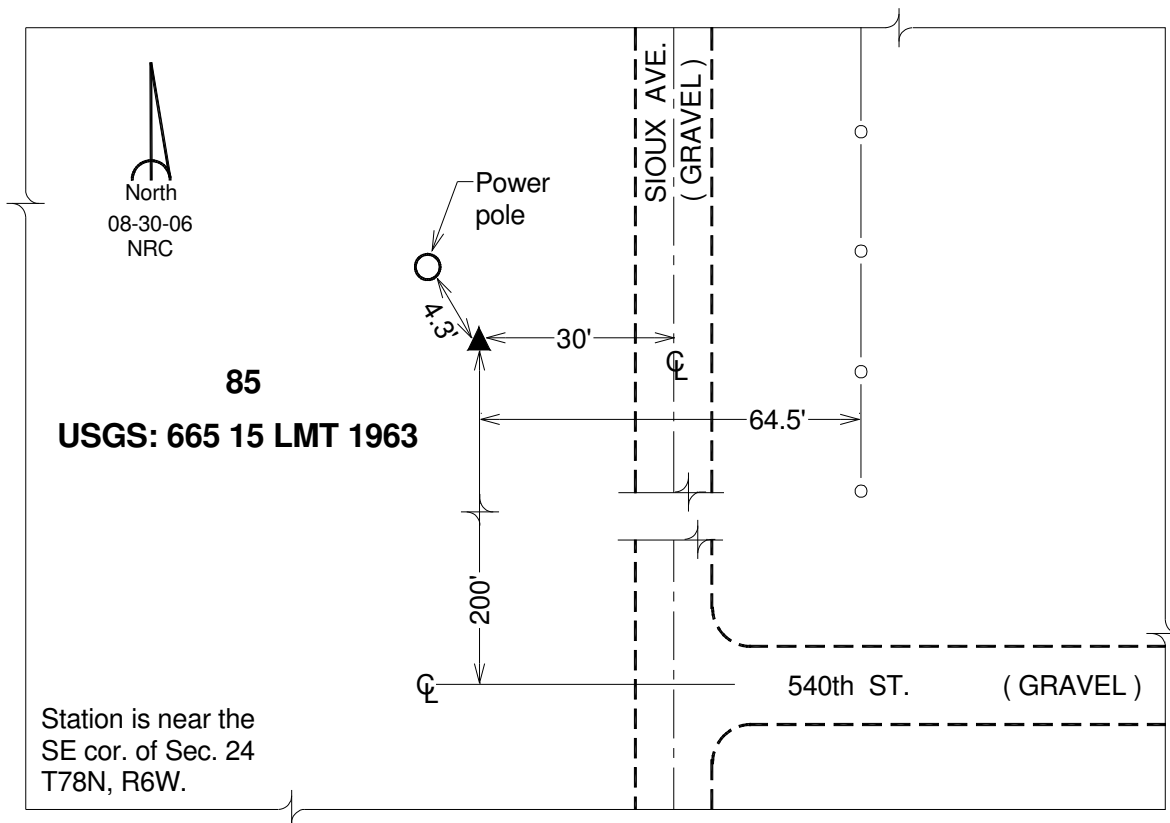
Latitude: **N41°32'26.08829"**

Longitude: **W91°28'58.23165"**

Mapping Angle: **1°19'43"**

Combination Scale Factor: **0.999939311**

Monument Type: A standard bench mark disk set in the top of a concrete monument.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **86**

Designation: USGS third order bench mark "667 1 LMT 1963"

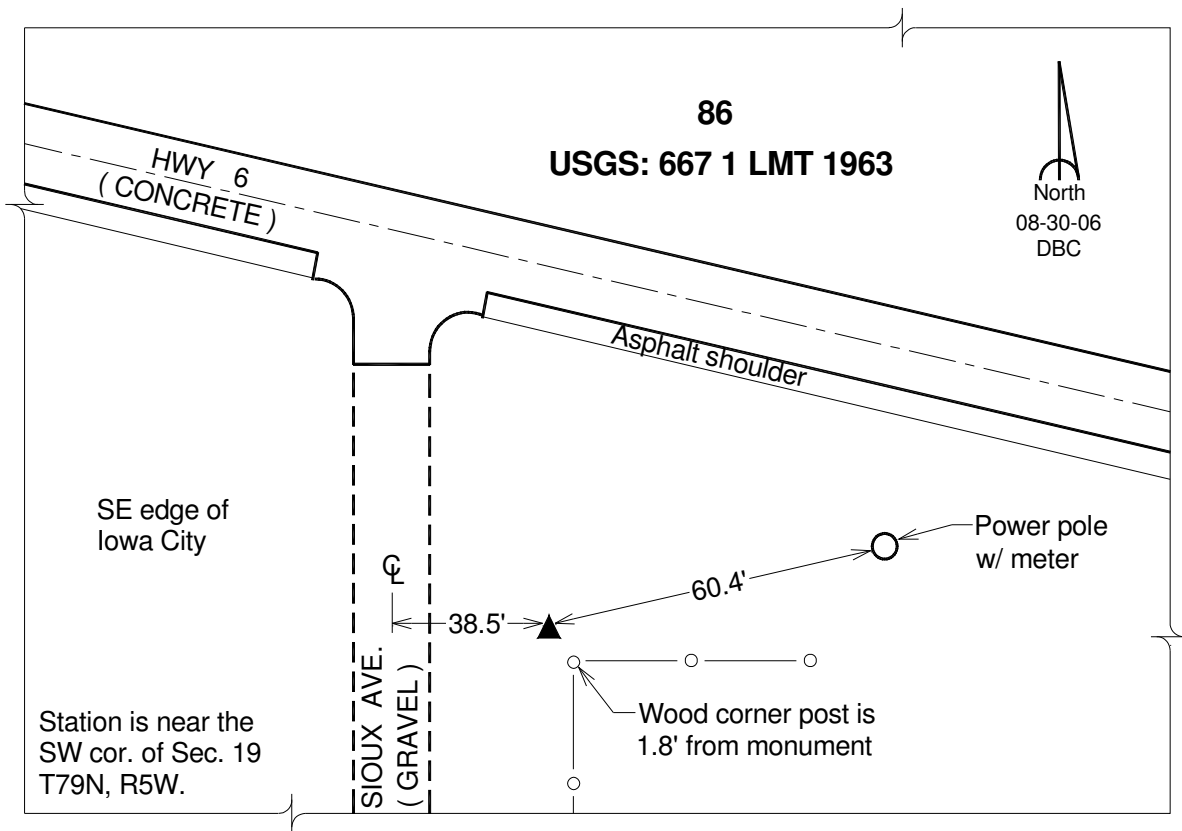
Northing: **599519.34sft** Easting: **2191865.06sft**

Orthometric Height: **666.44sft** Ellipsoid Height: **559.31sft** **Geoid12A**

Latitude: **N41°37'40.60660"** Longitude: **W91°28'57.89229"**

Mapping Angle: **1°19'44"** Combination Scale Factor: **0.999949416**

Monument Type: A standard bench mark disk set in the top of a concrete monument.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **88**

Designation: NGS first order horiz. station "Liberty West base" PID: MG0783

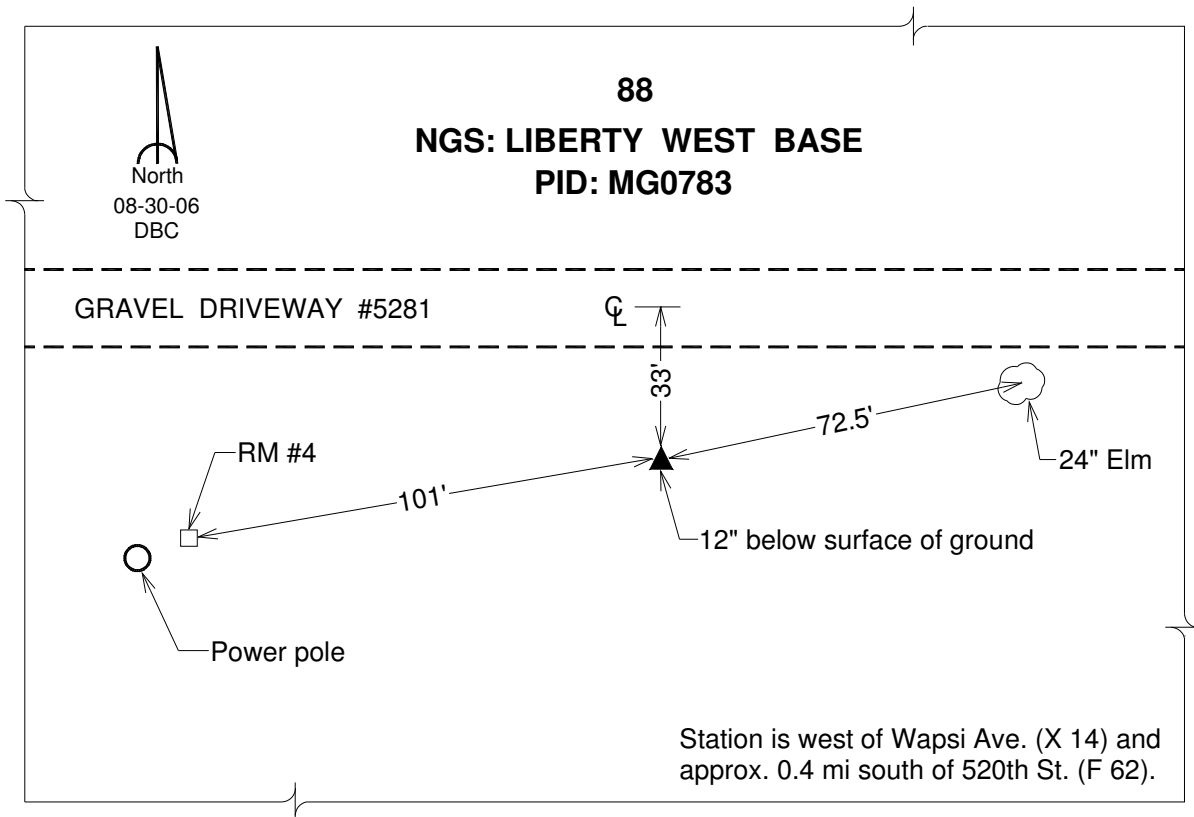
Northing: **571113.60sft** Easting: **2208058.27sft**

Orthometric Height: **741.06sft** Ellipsoid Height: **633.72sft** **Geoid12A**

Latitude: **N41°32'56.27634"** Longitude: **W91°25'33.63890"**

Mapping Angle: **1°21'58"** Combination Scale Factor: **0.999936548**

Monument Type: A standard triangulation disk set in the top of a square concrete monument.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **92**

Designation: NGS first order horiz. station "CELLMAN 2 1969" PID: MG0897

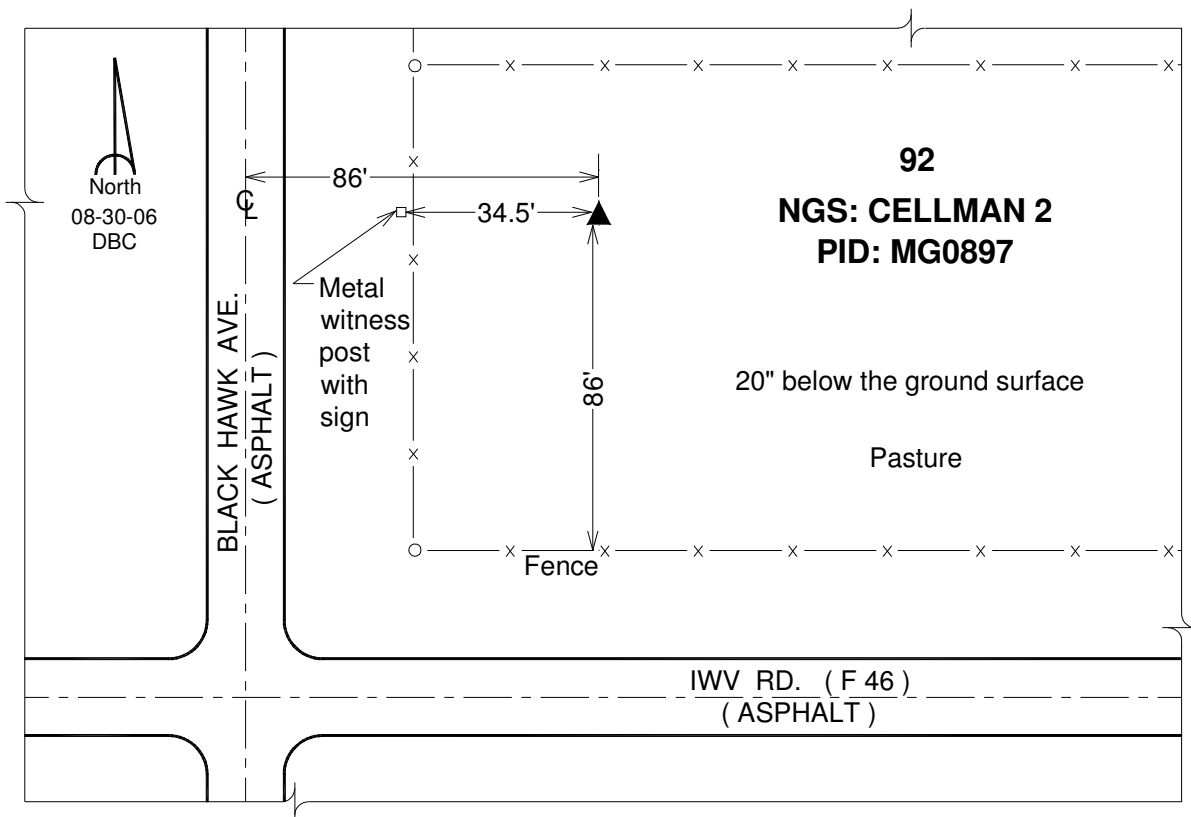
Northing: **609053.97sft** Easting: **2103914.22sft**

Orthometric Height: **833.65sft** Ellipsoid Height: **727.12sft** **Geoid12A**

Latitude: **N41°39'33.33209"** Longitude: **W91°48'13.36047"**

Mapping Angle: **1°07'02"** Combination Scale Factor: **0.999945631**

Monument Type: A standard triangulation disk set in the top of a square concrete monument.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **94**

Designation: Cooperative Base Network (CBN) station "NORTH LIBERTY" PID: MG0916

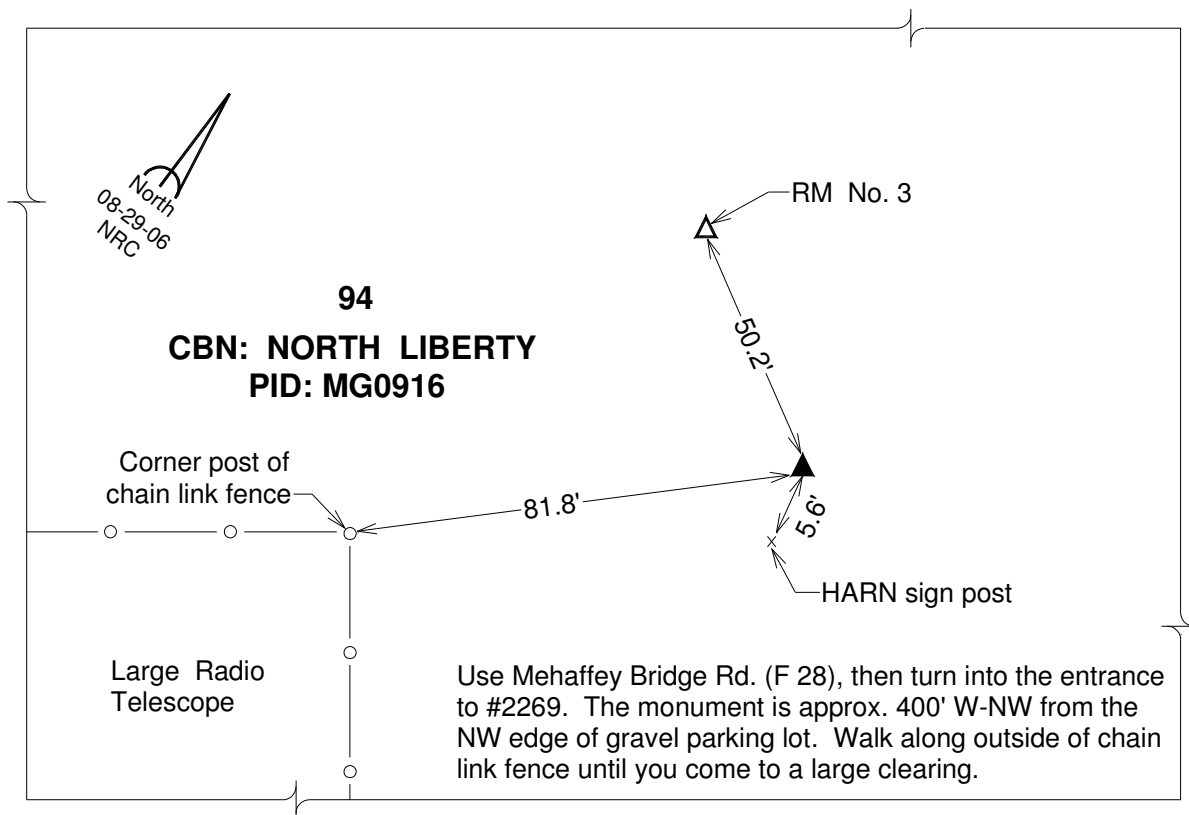
Northing: **651433.82sft** Easting: **2165589.28sft**

Orthometric Height: **781.63sft** Ellipsoid Height: **674.83sft** **Geoid12A**

Latitude: **N41°46'19.24962"** Longitude: **W91°34'28.67581"**

Mapping Angle: **1°16'06"** Combination Scale Factor: **0.999965810**

Monument Type: A standard triangulation disk set in the top of a round concrete monument.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **95**

Designation: NGS 2nd order vertical station "F 85" PID: MG0618

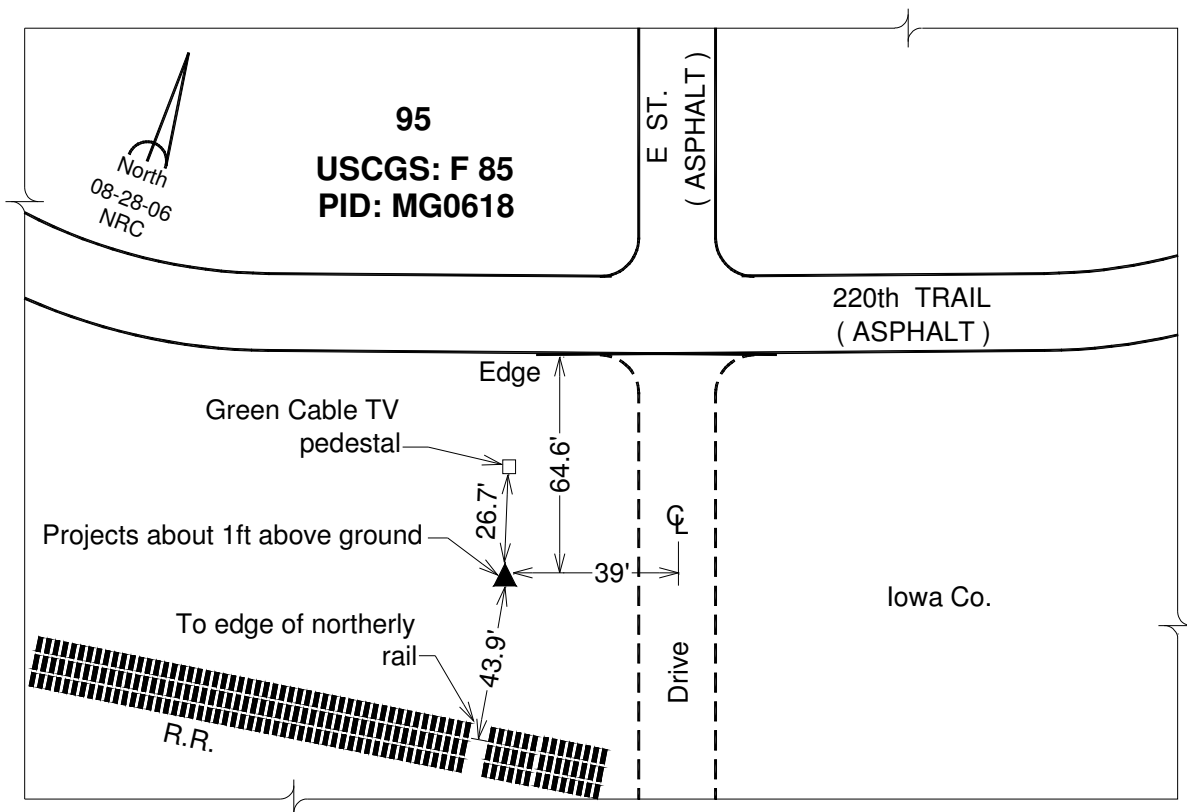
Northing: **662809.58sft** Easting: **2090746.75sft**

Orthometric Height: **735.89sft** Ellipsoid Height: **630.10sft** **Geoid12A**

Latitude: **N41°48'26.81285"** Longitude: **W91°50'53.35327"**

Mapping Angle: **1°05'17"** Combination Scale Factor: **0.999974305**

Monument Type: A standard bench mark disk set in the top of a concrete monument.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **103**

Designation: 96-103 City of Coralville GPS Control Point (Set by ASI in 1996)

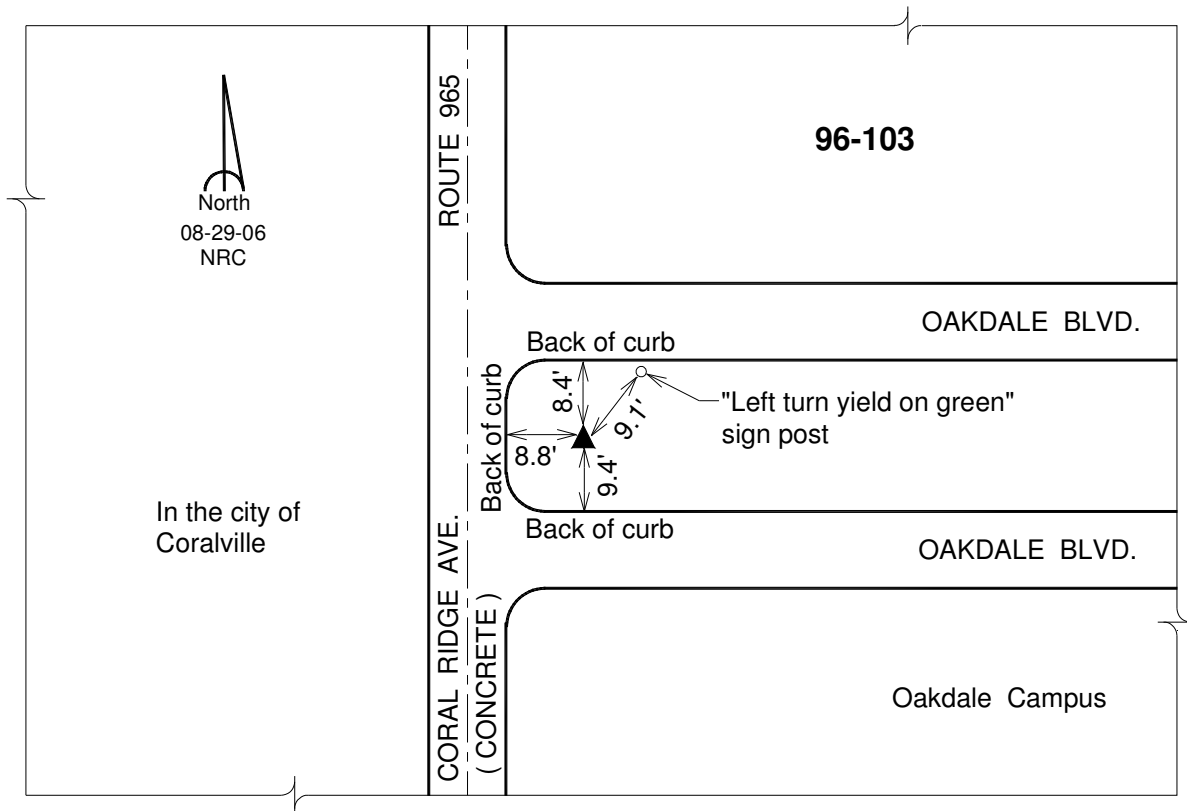
Northing: **628078.78sft** Easting: **2157015.16sft**

Orthometric Height: **814.60sft** Ellipsoid Height: **707.73sft** **Geoid12A**

Latitude: **N41°42'30.42948"** Longitude: **W91°36'28.50662"**

Mapping Angle: **1°14'47"** Combination Scale Factor: **0.999953793**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **104**

Designation: 96-104 City of Coralville GPS Control Point (Set by ASI in 1996)

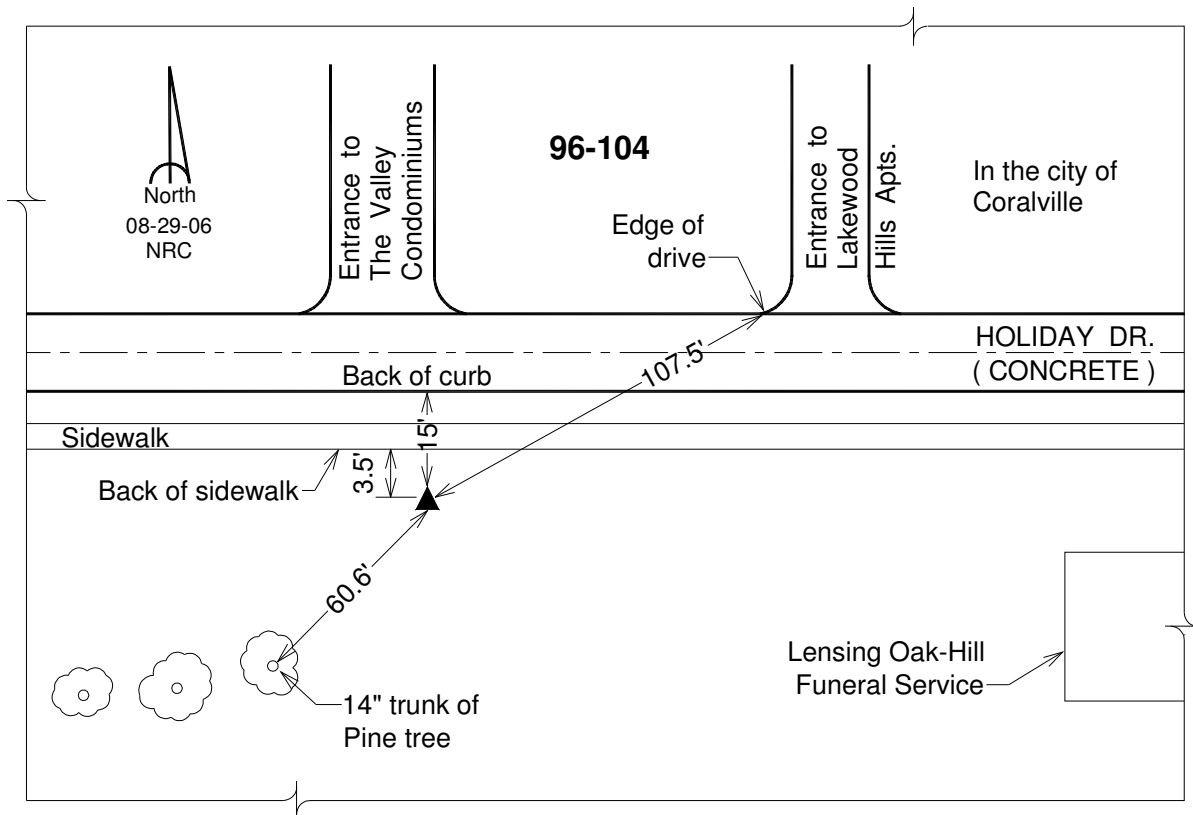
Northing: **622764.35sft** Easting: **2167547.29sft**

Orthometric Height: **786.73sft** Ellipsoid Height: **679.79sft** **Geoid12A**

Latitude: **N41°41'35.65190"** Longitude: **W91°34'11.23738"**

Mapping Angle: **1°16'17"** Combination Scale Factor: **0.999952808**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **106**

Designation: 96-106 City of Coralville GPS Control Point (Set by ASI in 1996)

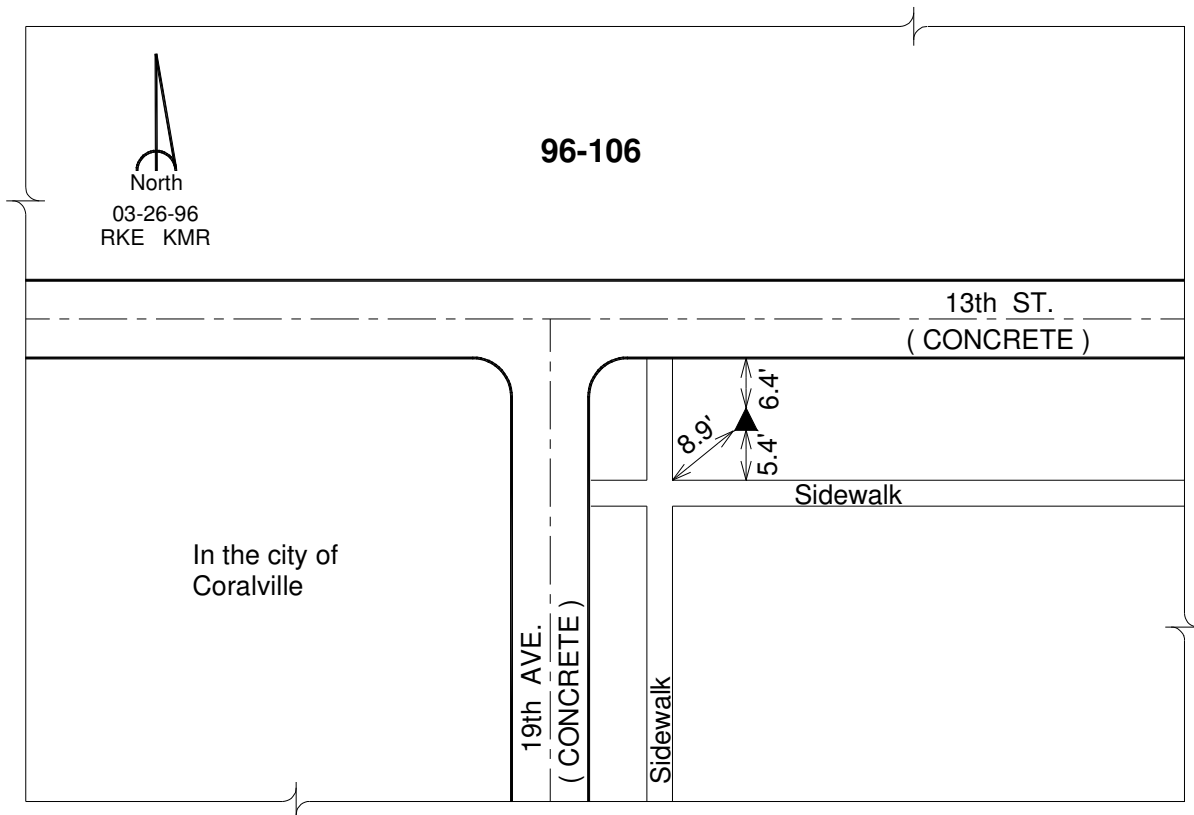
Northing: **621282.77sft** Easting: **2162429.50sft**

Orthometric Height: **761.95sft** Ellipsoid Height: **655.03sft** **Geoid12A**

Latitude: **N41°41'22.13454"** Longitude: **W91°35'19.10862"**

Mapping Angle: **1°15'32"** Combination Scale Factor: **0.999953429**

Monument Type: 5/8" dia. driven aluminum rod with a 2-1/2" dia. aluminum cap and permanent magnet encased in a 6" dia. PVC pipe with an aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **201**

Designation: 2006-201 Johnson Co GPS Control Pt. (Set by DCI in 2006)

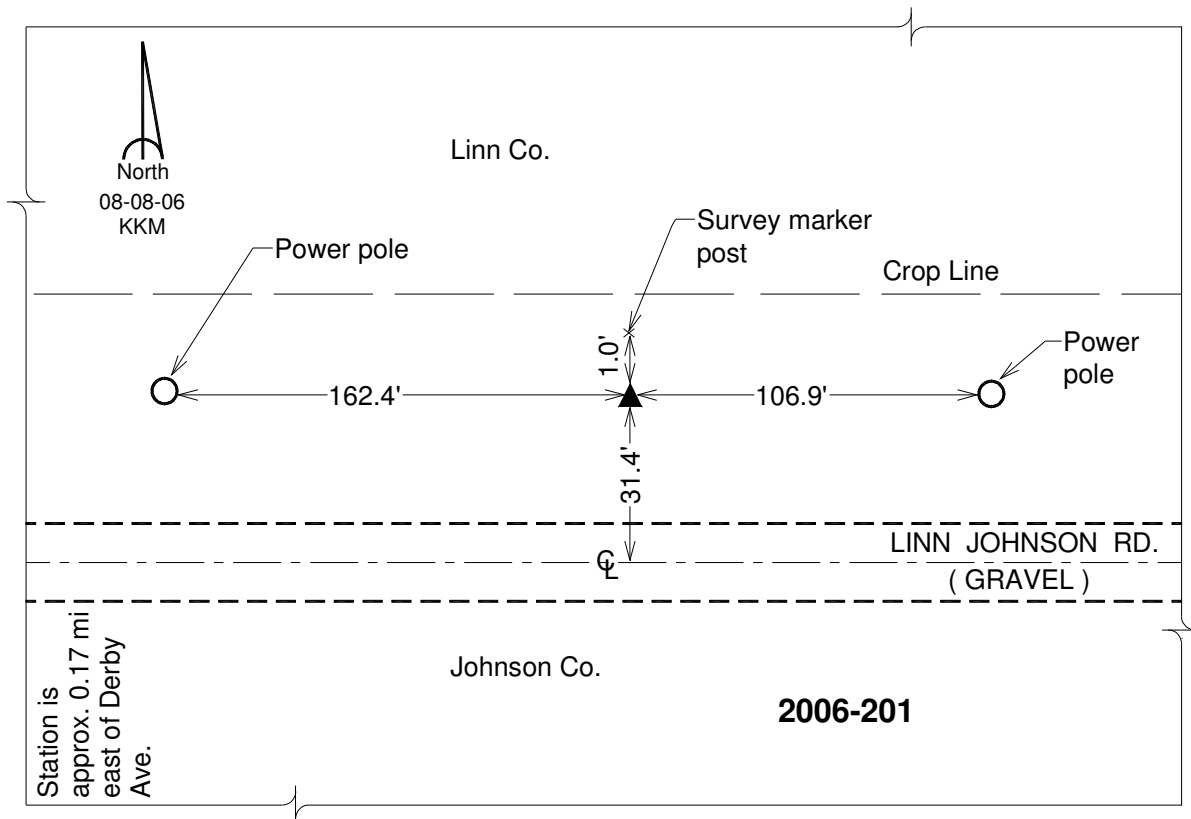
Northing: **683160.31sft** Easting: **2114411.99sft**

Orthometric Height: **860.31sft** Ellipsoid Height: **754.44sft** **Geoid12A**

Latitude: **N41°51'43.26320"** Longitude: **W91°45'35.55761"**

Mapping Angle: **1°08'46"** Combination Scale Factor: **0.999978921**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **202**

Designation: 2006-202 Johnson Co GPS Control Pt. (Set by DCI in 2006)

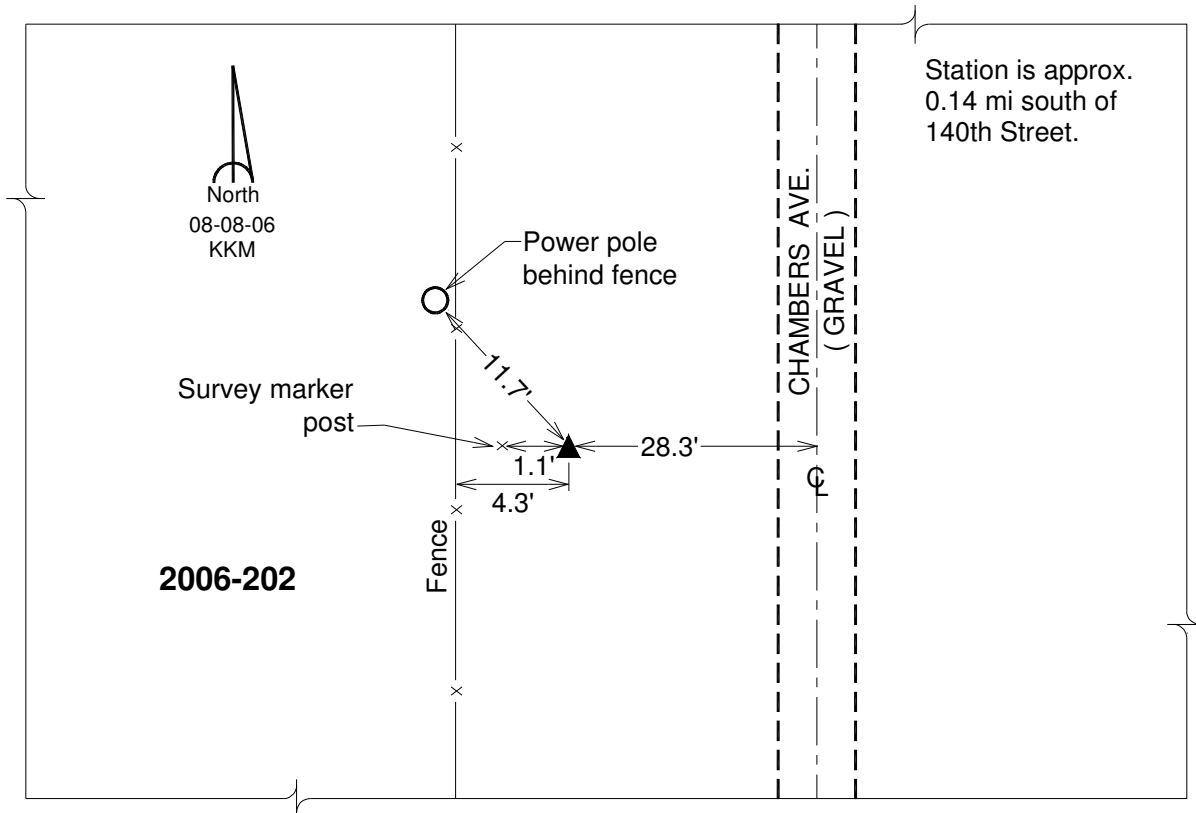
Northing: **671729.91**sft Easting: **2108288.41**sft

Orthometric Height: **749.63**sft Ellipsoid Height: **643.69**sft **Geoid12A**

Latitude: **N41°49'51.56605"** Longitude: **W91°46'59.44859"**

Mapping Angle: **1°07'51"** Combination Scale Factor: **0.999978096**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **203**

Designation: 2006-203 Johnson Co GPS Control Pt. (Set by DCI in 2006)

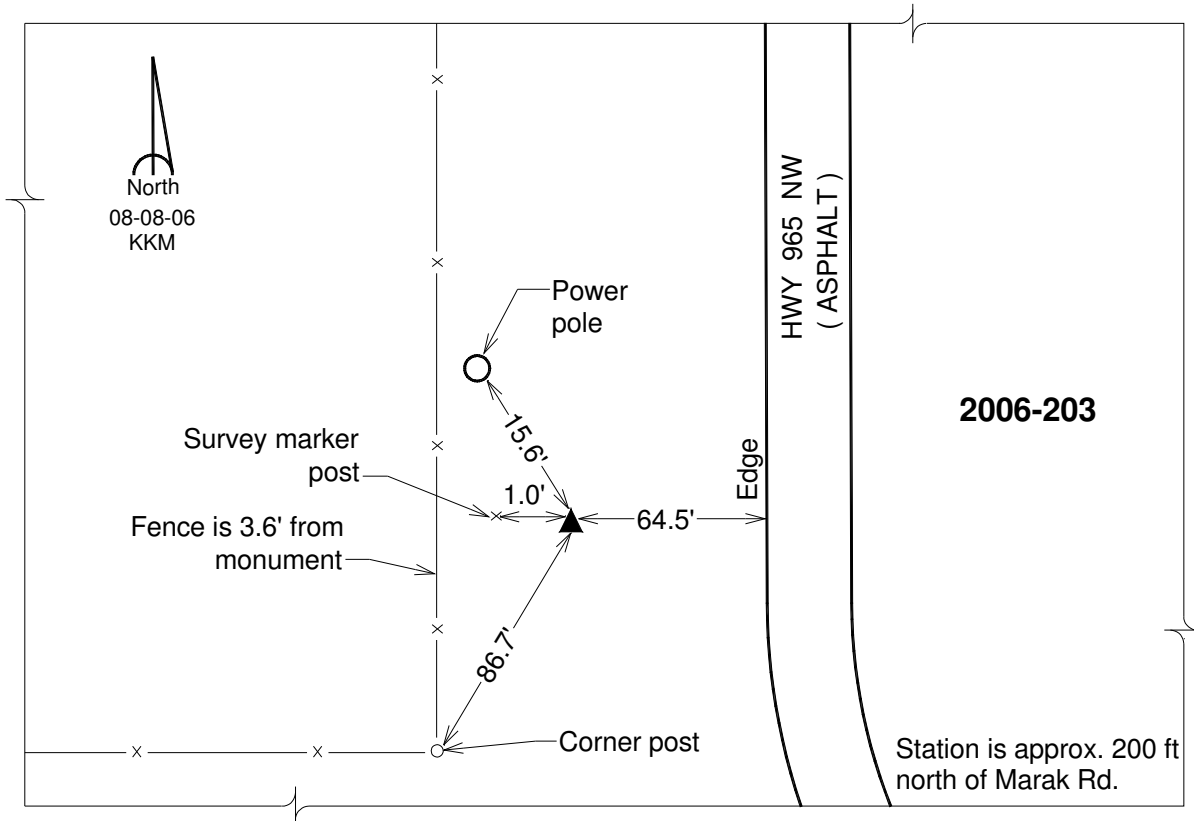
Northing: **672872.38sft** Easting: **2137545.11sft**

Orthometric Height: **826.87sft** Ellipsoid Height: **720.48sft** **Geoid12A**

Latitude: **N41°49'56.96758"** Longitude: **W91°40'32.76315"**

Mapping Angle: **1°12'06"** Combination Scale Factor: **0.999974721**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **204**

Designation: 2006-204 Johnson Co GPS Control Pt. (Set by DCI in 2006)

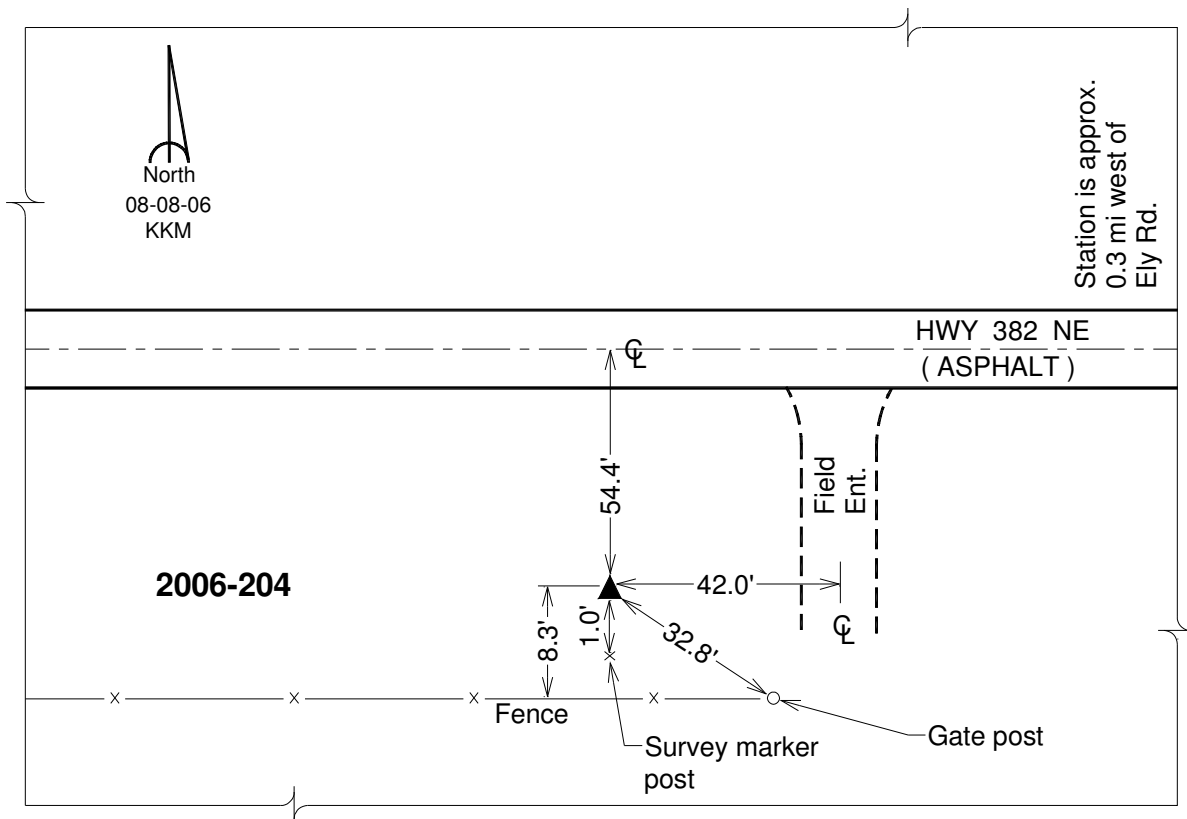
Northing: **669077.48sft** Easting: **2173110.91sft**

Orthometric Height: **779.05sft** Ellipsoid Height: **672.29sft** **Geoid12A**

Latitude: **N41°49'11.85507"** Longitude: **W91°32'44.20587"**

Mapping Angle: **1°17'14"** Combination Scale Factor: **0.999974630**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **205**

Designation: 2006-205 Johnson Co GPS Control Pt. (Set by DCI in 2006)

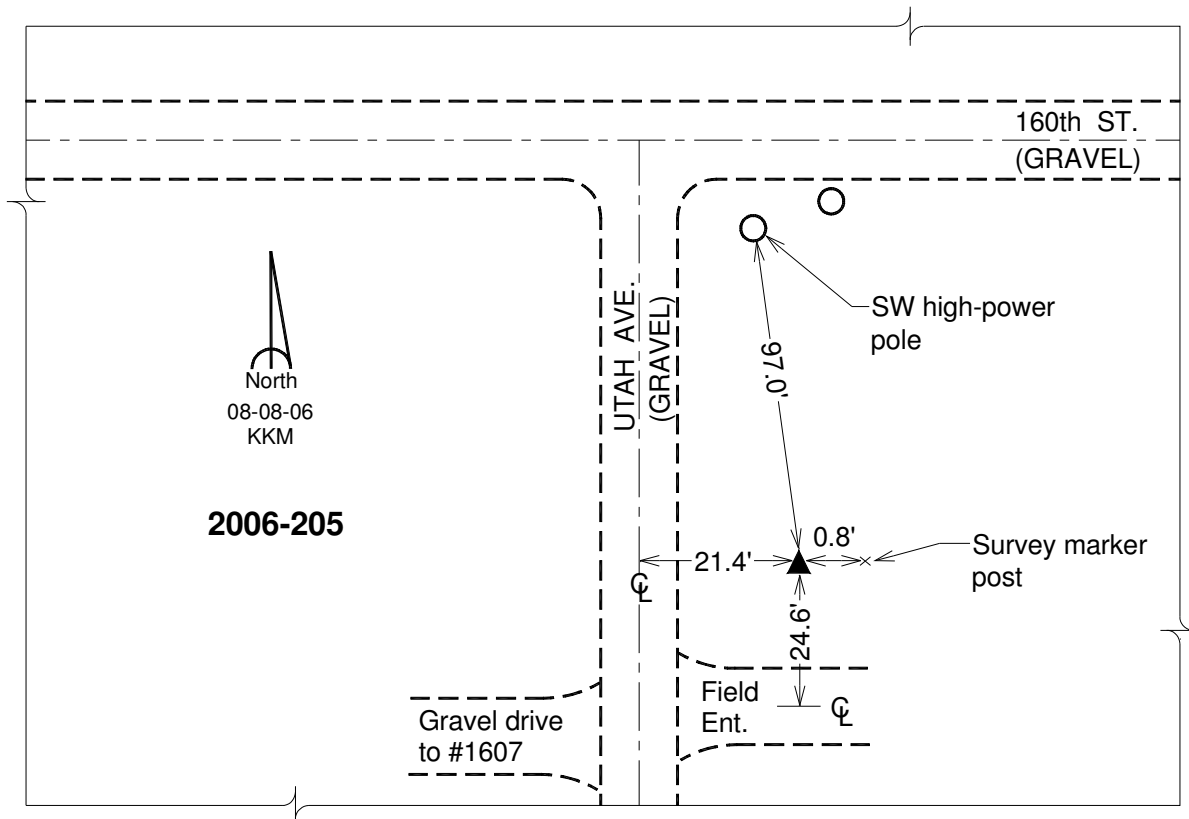
Northing: **668380.18sft** Easting: **2204824.19sft**

Orthometric Height: **828.94sft** Ellipsoid Height: **722.02sft** **Geoid12A**

Latitude: **N41°48'57.71996"** Longitude: **W91°25'45.71176"**

Mapping Angle: **1°21'50"** Combination Scale Factor: **0.999971518**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **206**

Designation: 2006-206 Johnson Co GPS Control Pt. (Set by DCI in 2006)

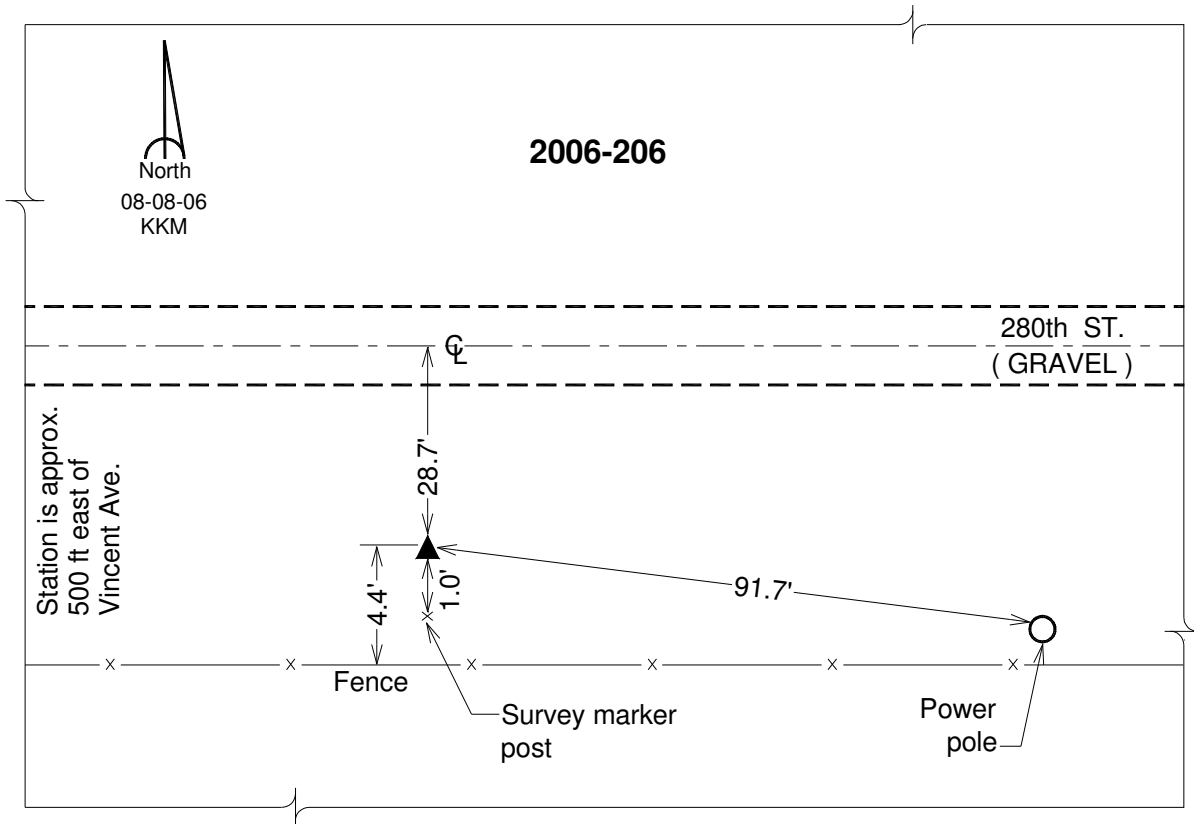
Northing: **636858.70**sft Easting: **2209968.77**sft

Orthometric Height: **793.35**sft Ellipsoid Height: **686.34**sft **Geoid12A**

Latitude: **N41°43'45.18389"** Longitude: **W91°24'47.77729"**

Mapping Angle: **1°22'28"** Combination Scale Factor: **0.999958091**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **207**

Designation: 2006-207 Johnson Co GPS Control Pt. (Set by DCI in 2006)

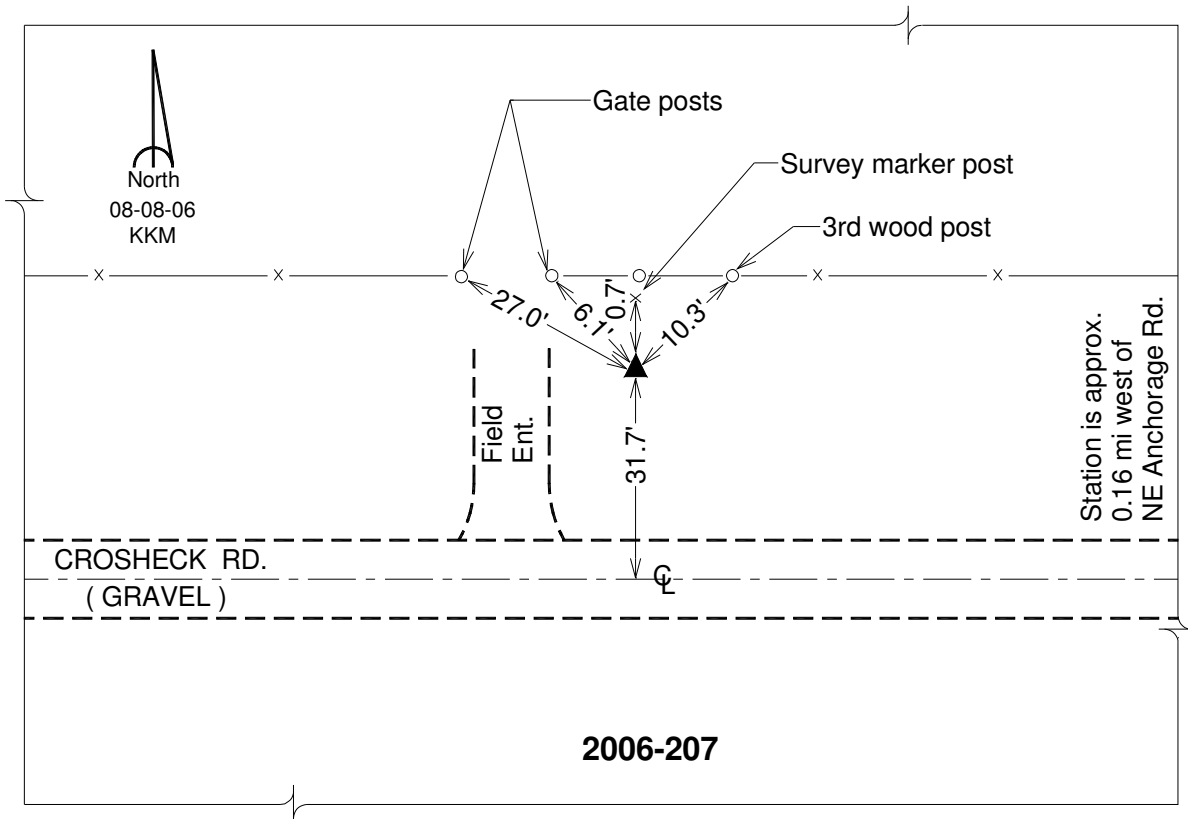
Northing: **639765.54**sft Easting: **2178138.60**sft

Orthometric Height: **820.85**sft Ellipsoid Height: **713.95**sft **Geoid12A**

Latitude: **N41°44'21.22705"** Longitude: **W91°31'46.59155"**

Mapping Angle: **1°17'52"** Combination Scale Factor: **0.999958400**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **208**

Designation: 2006-208 Johnson Co GPS Control Pt. (Set by DCI in 2006)

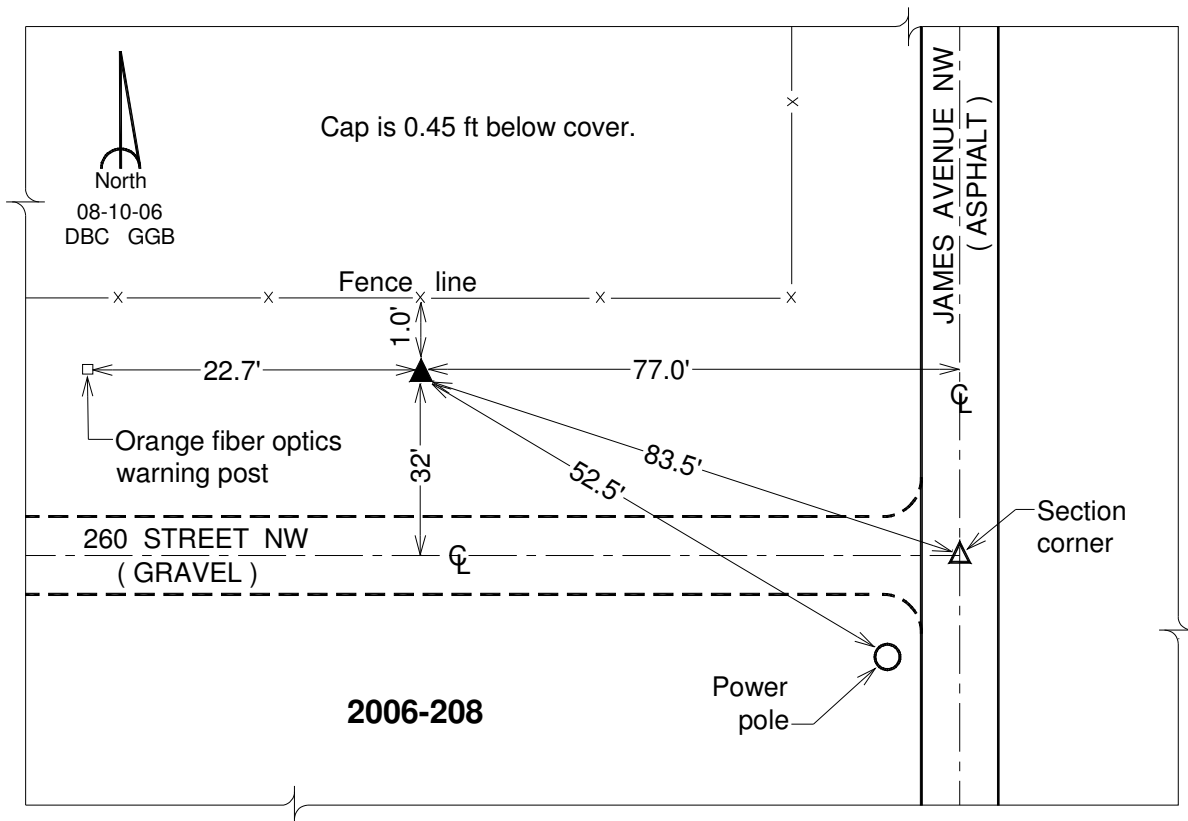
Northing: **641260.38sft** Easting: **2143395.68sft**

Orthometric Height: **769.53sft** Ellipsoid Height: **662.82sft** **Geoid12A**

Latitude: **N41°44'43.51545"** Longitude: **W91°39'24.34624"**

Mapping Angle: **1°12'51"** Combination Scale Factor: **0.999961861**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **209**

Designation: 2006-209 Johnson Co GPS Control Pt. (Set by DCI in 2006)

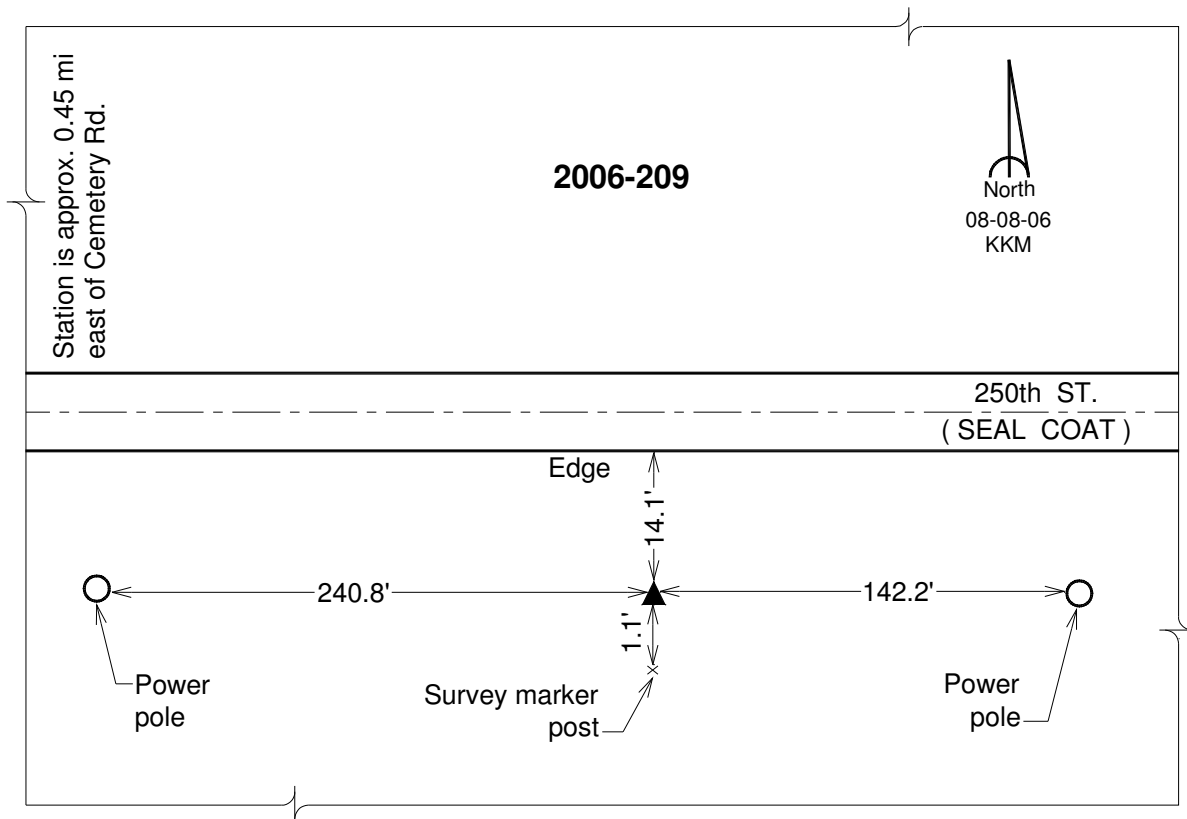
Northing: **645979.22sft** Easting: **2110963.47sft**

Orthometric Height: **740.62sft** Ellipsoid Height: **634.32sft** **Geoid12A**

Latitude: **N41°45'36.69596"** Longitude: **W91°46'30.86459"**

Mapping Angle: **1°08'10"** Combination Scale Factor: **0.999965706**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **210**

Designation: 2006-210 Johnson Co GPS Control Pt. (Set by DCI in 2006)

Northing: **626893.05sft** Easting: **2110218.59sft**

Orthometric Height: **769.16sft** Ellipsoid Height: **662.70sft** **Geoid12A**

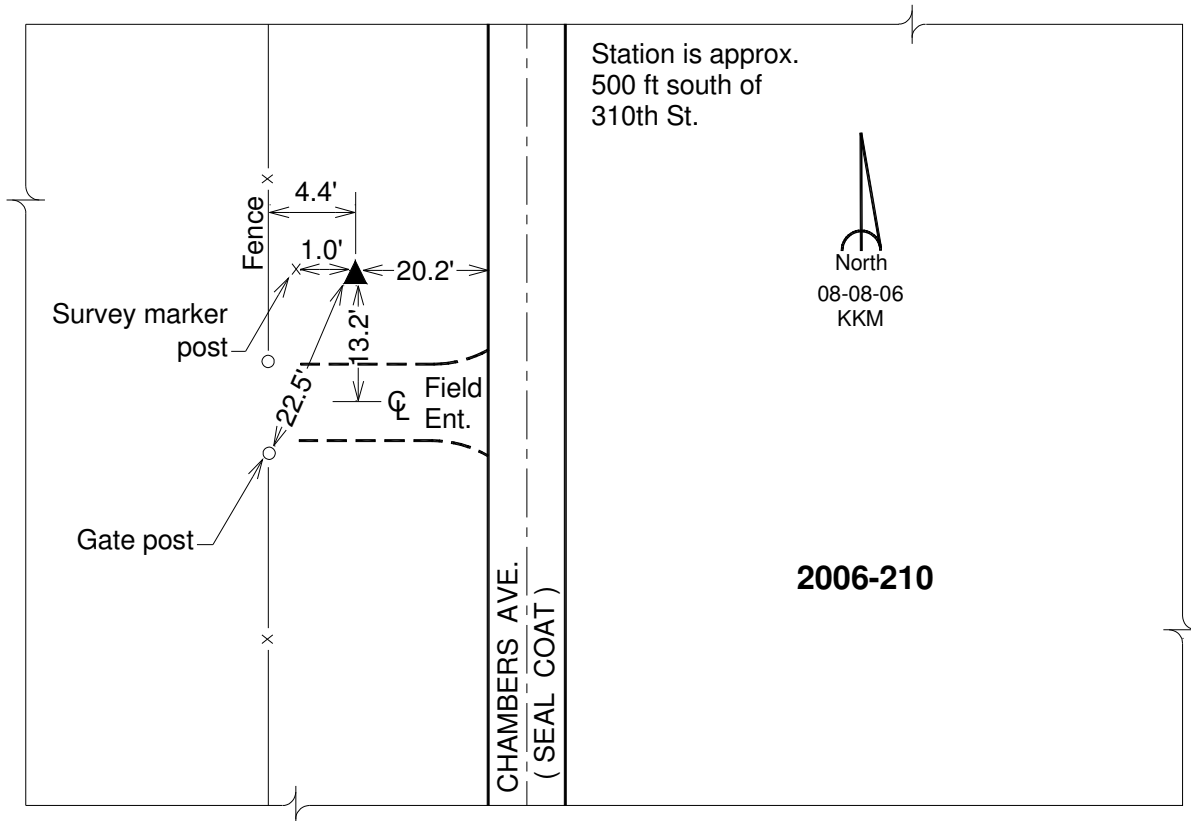
Latitude: **N41°42'28.31795"**

Longitude: **W91°46'45.67242"**

Mapping Angle: **1°08'00"**

Combination Scale Factor: **0.999955851**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **211**

Designation: 2006-211 Johnson Co GPS Control Pt. (Set by DCI in 2006)

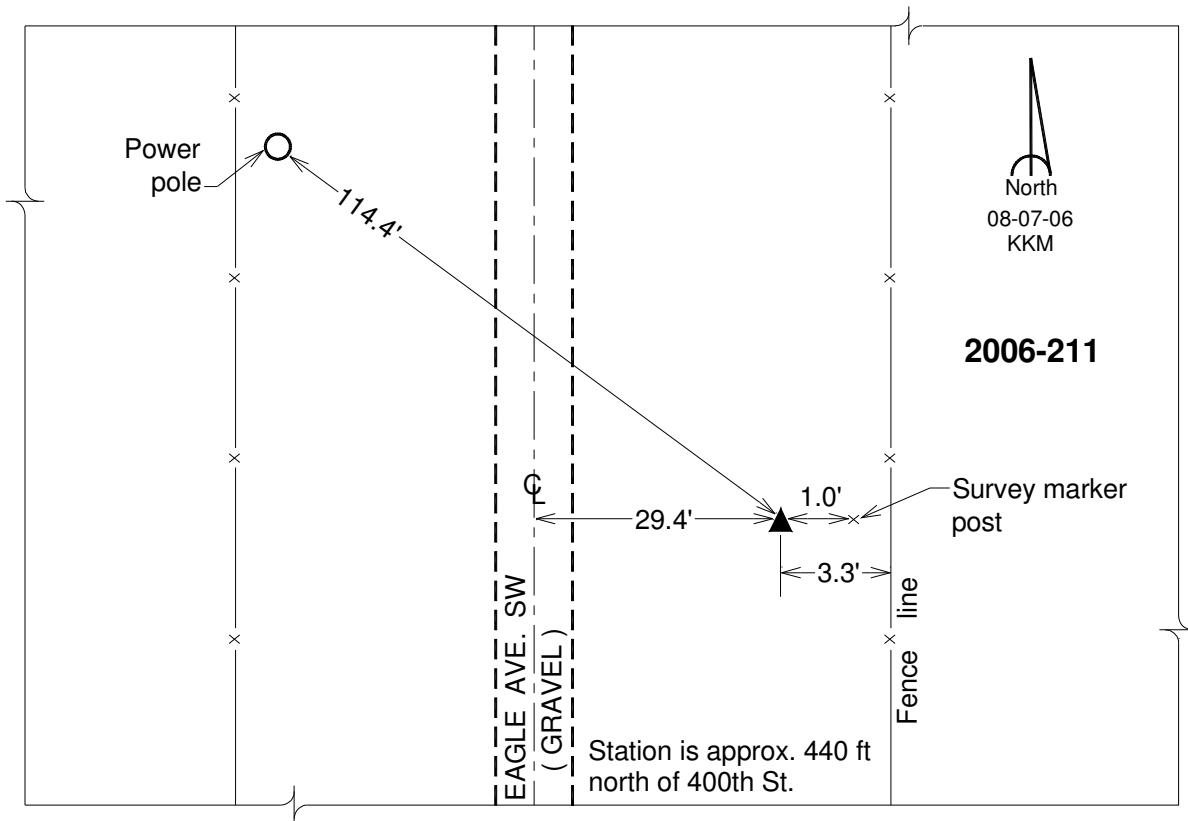
Northing: **604062.89sft** Easting: **2113249.25sft**

Orthometric Height: **821.27sft** Ellipsoid Height: **714.59sft** **Geoid12A**

Latitude: **N41°38'42.21485"** Longitude: **W91°46'11.71013"**

Mapping Angle: **1°08'23"** Combination Scale Factor: **0.999944277**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **212**

Designation: 2006-212 Johnson Co GPS Control Pt. (Set by DCI in 2006)

Northing: **606238.10sft** Easting: **2144075.53sft**

Orthometric Height: **780.25sft** Ellipsoid Height: **673.34sft** **Geoid12A**

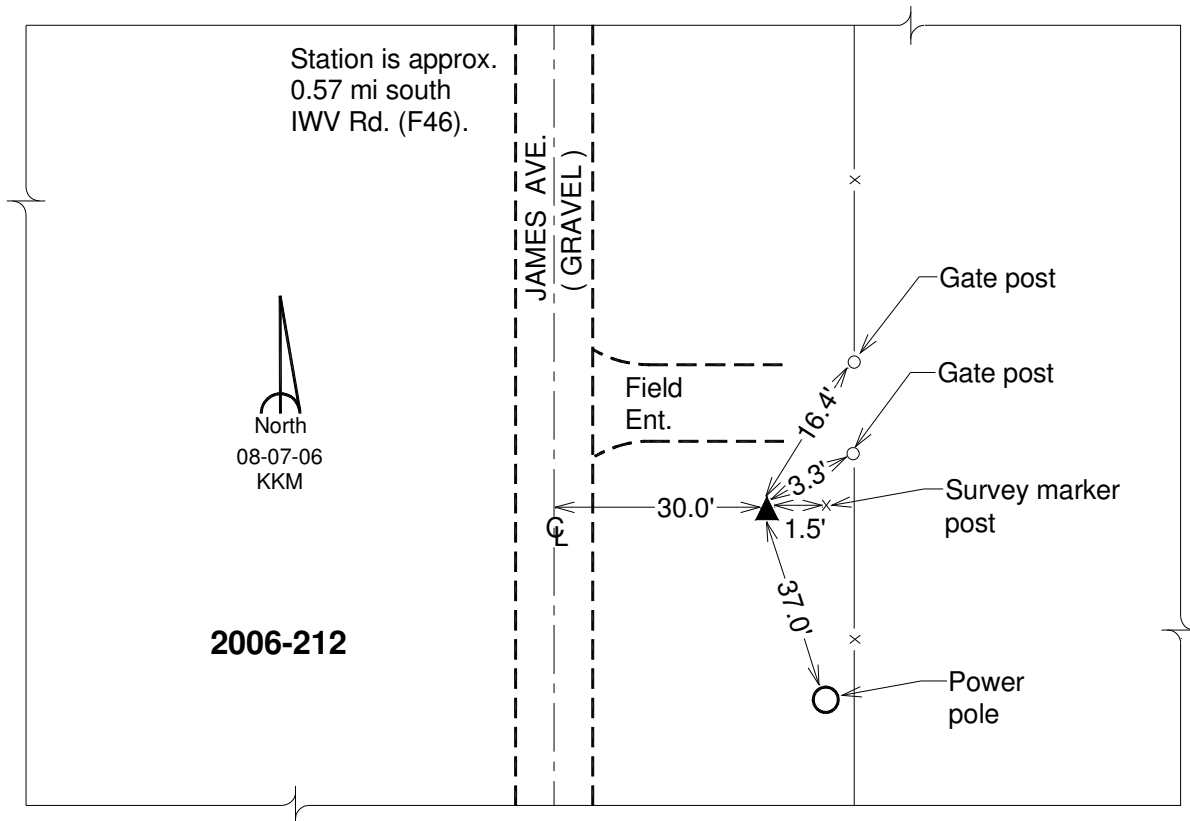
Latitude: **N41°38'57.44603"**

Longitude: **W91°39'25.16809"**

Mapping Angle: **1°12'50"**

Combination Scale Factor: **0.999946820**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **213**

Designation: 2006-213 Johnson Co GPS Control Pt. (Set by DCI in 2006)

Northing: **605036.33sft** Easting: **2207450.34sft**

Orthometric Height: **776.45sft** Ellipsoid Height: **669.31sft** **Geoid12A**

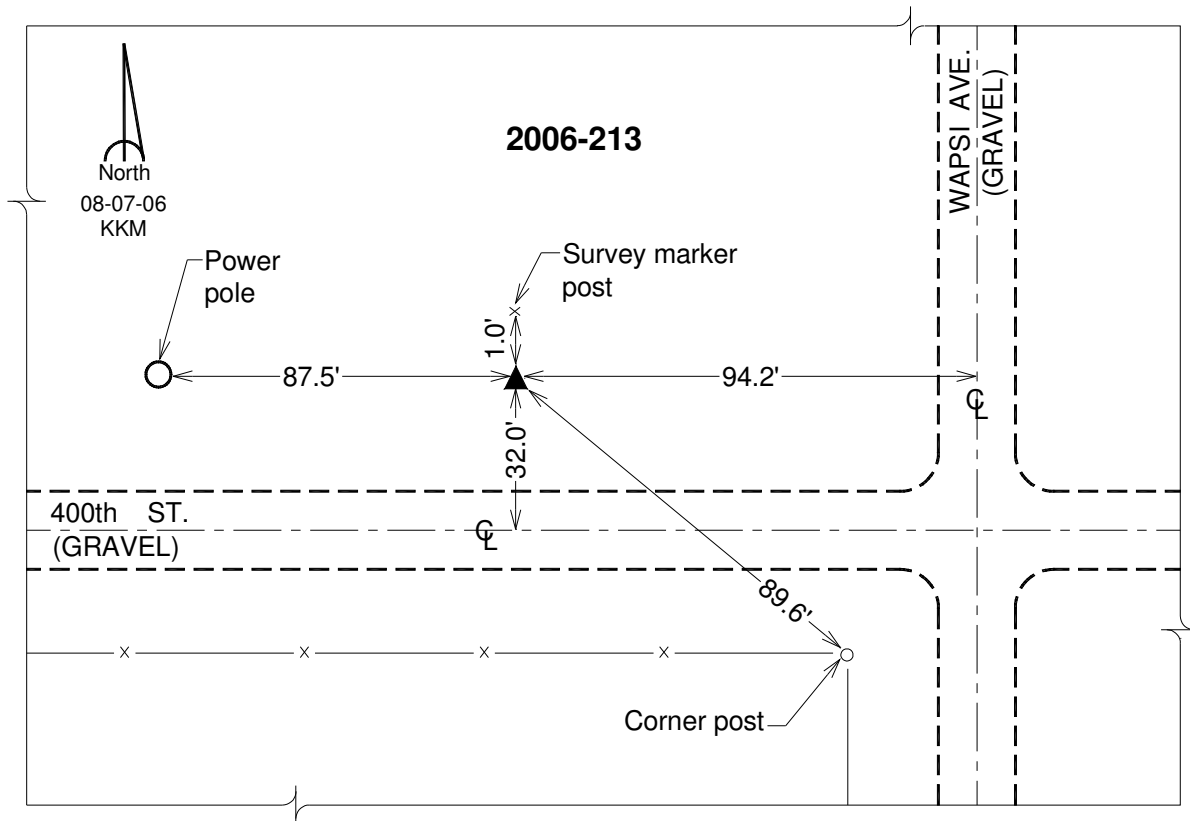
Latitude: **N41°38'31.47661"**

Longitude: **W91°25'30.99146"**

Mapping Angle: **1°22'00"**

Combination Scale Factor: **0.999946035**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **214**

Designation: 2006-214 Johnson Co GPS Control Pt. (Set by DCI in 2006)

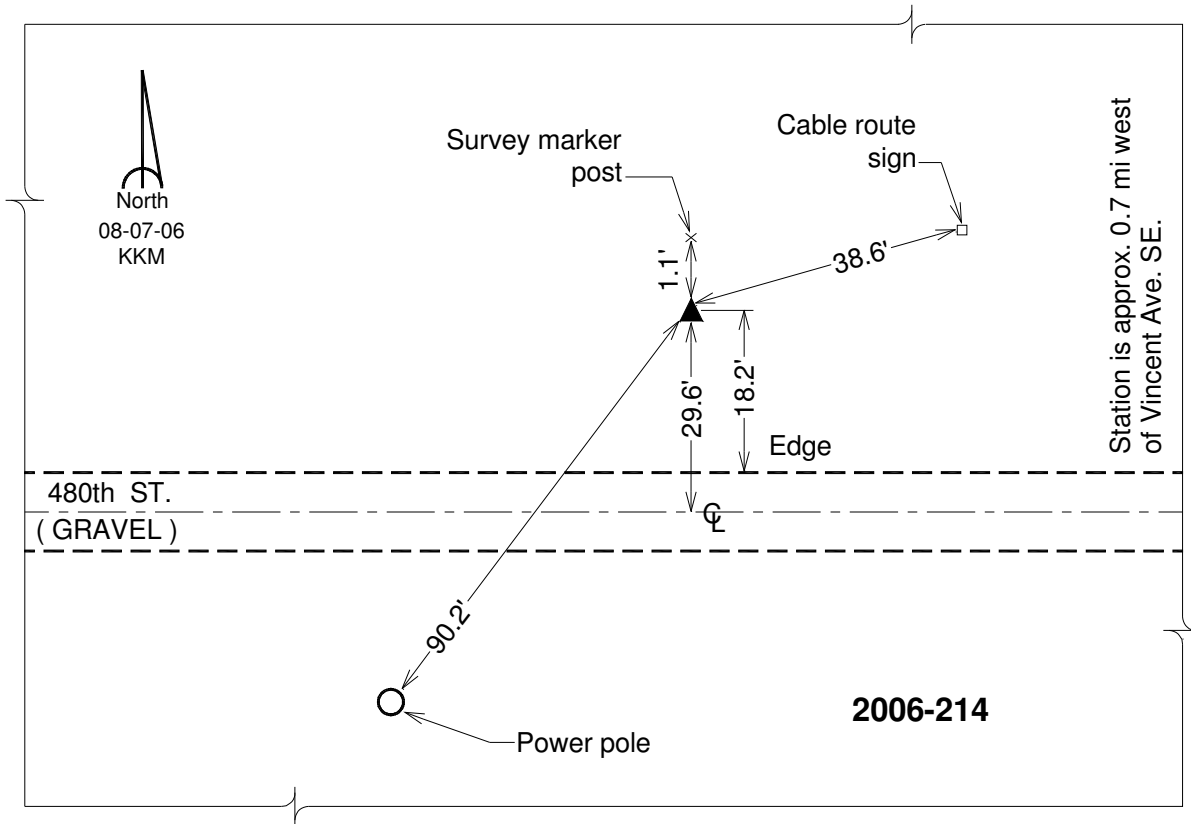
Northing: **583825.97sft** Easting: **2206875.78sft**

Orthometric Height: **734.80sft** Ellipsoid Height: **627.55sft** **Geoid12A**

Latitude: **N41°35'02.11672"** Longitude: **W91°25'45.20666"**

Mapping Angle: **1°21'50"** Combination Scale Factor: **0.999940732**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **215**

Designation: 2006-215 Johnson Co GPS Control Pt. (Set by DCI in 2006)

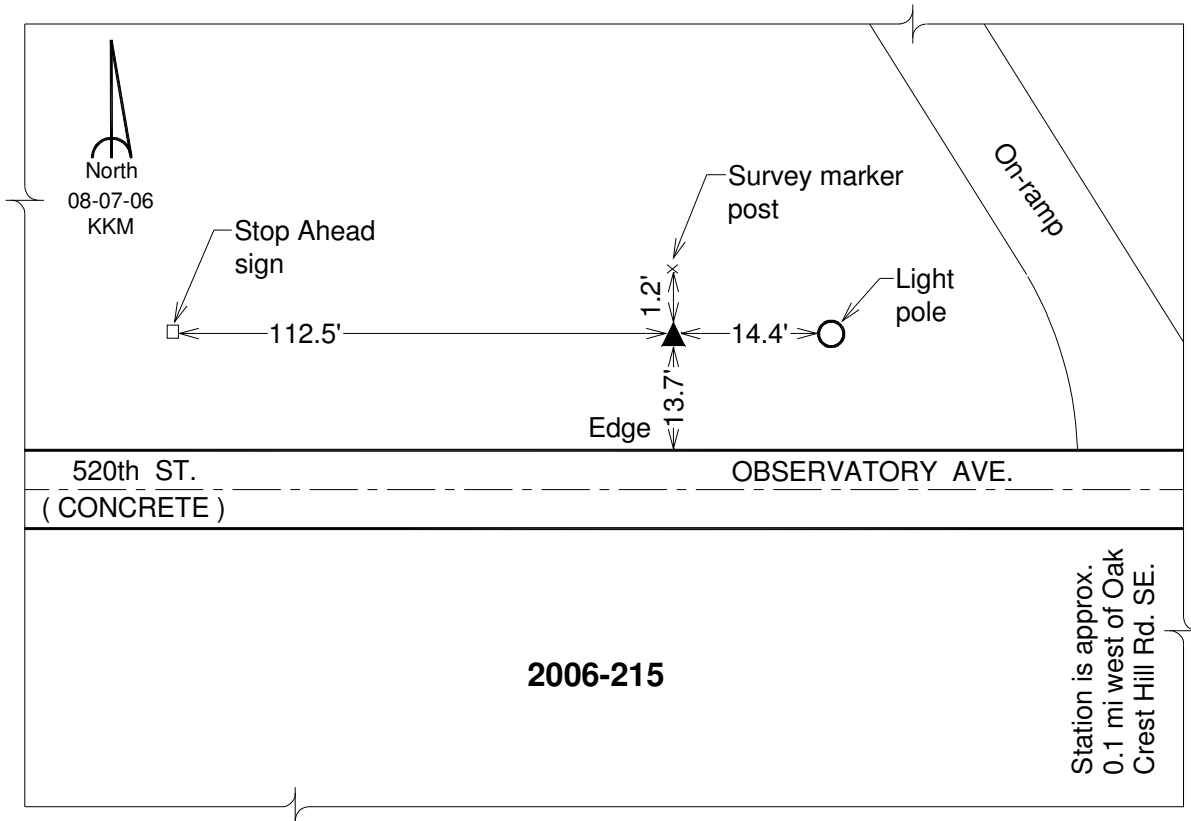
Northing: **572348.58sft** Easting: **2175886.52sft**

Orthometric Height: **652.75sft** Ellipsoid Height: **545.53sft** **Geoid12A**

Latitude: **N41°33'15.83836"** Longitude: **W91°32'36.29130"**

Mapping Angle: **1°17'20"** Combination Scale Factor: **0.999941336**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **216**

Designation: 2006-216 Johnson Co GPS Control Pt. (Set by DCI in 2006)

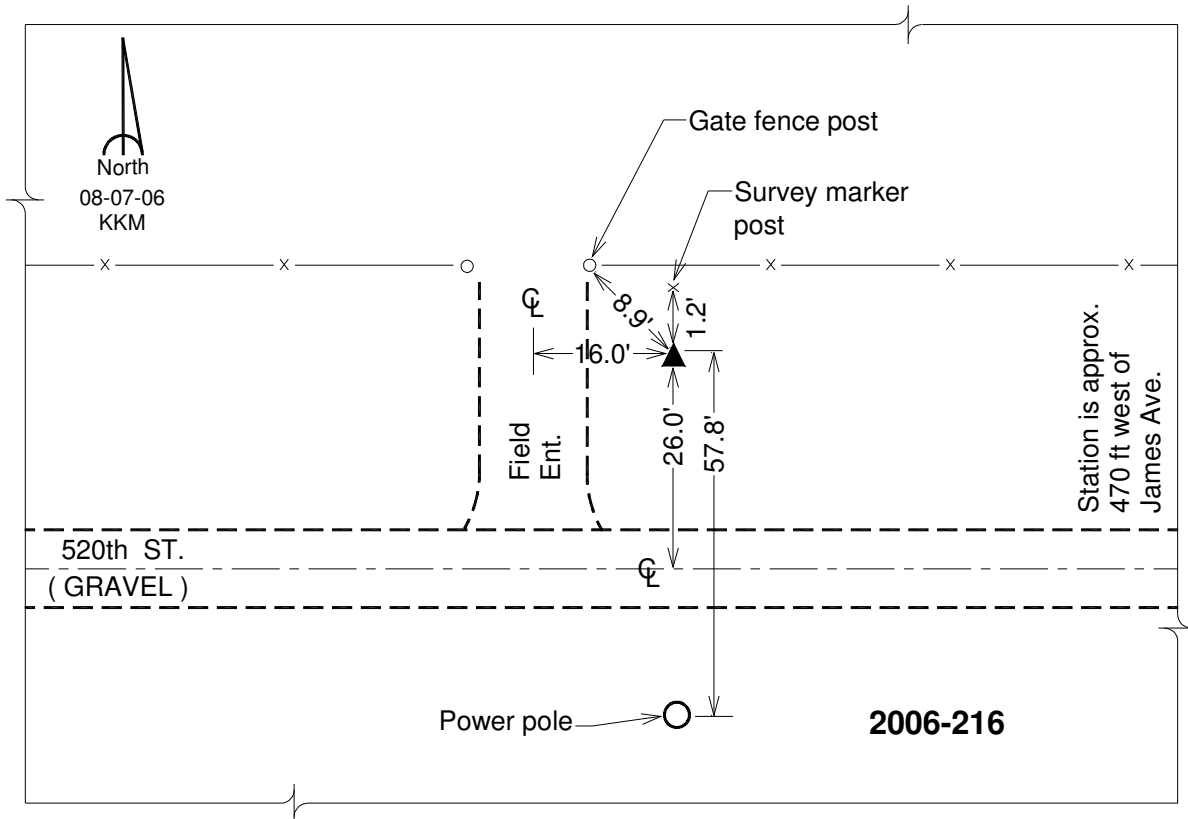
Northing: **571726.83**sft Easting: **2144480.57**sft

Orthometric Height: **732.34**sft Ellipsoid Height: **625.29**sft **Geoid12A**

Latitude: **N41°33'16.47131"** Longitude: **W91°39'29.45905"**

Mapping Angle: **1°12'48"** Combination Scale Factor: **0.999937550**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **217**

Designation: 2006-217 Johnson Co GPS Control Pt. (Set by DCI in 2006)

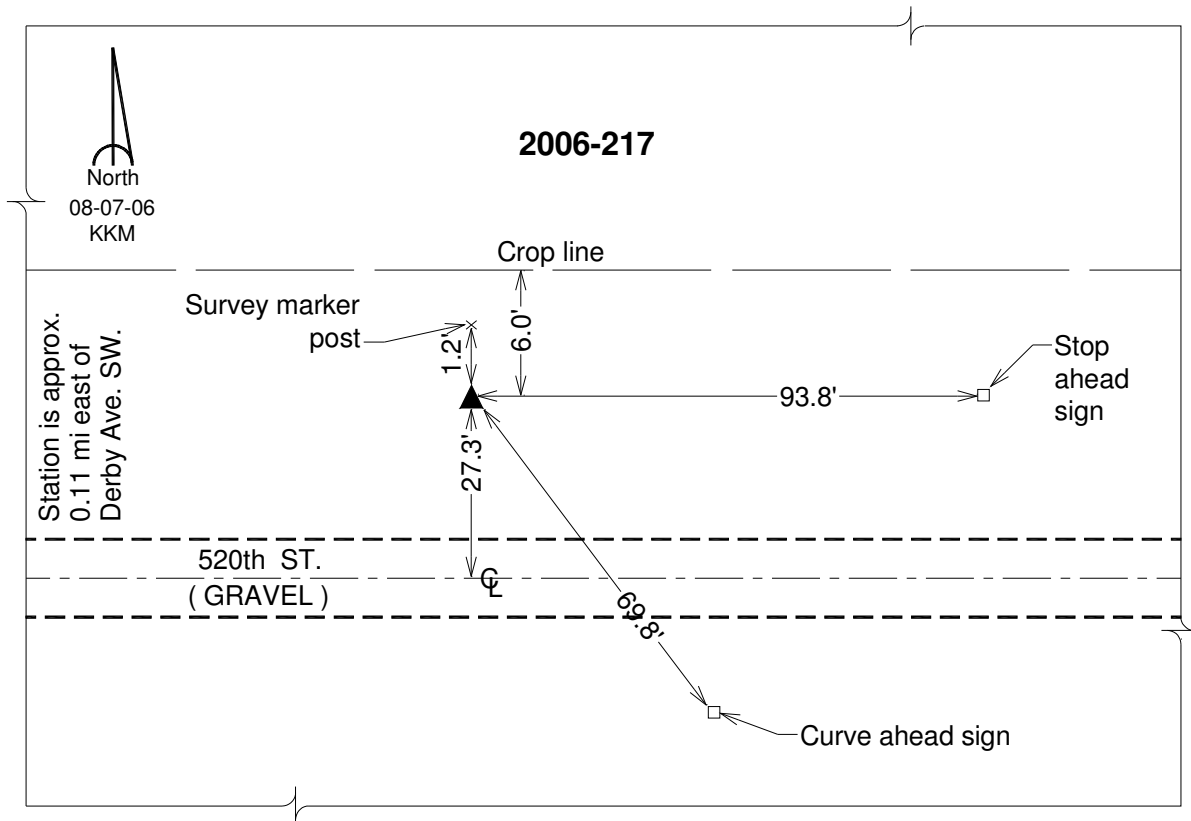
Northing: **571389.39sft** Easting: **2114264.67sft**

Orthometric Height: **795.94sft** Ellipsoid Height: **689.01sft** **Geoid12A**

Latitude: **N41°33'19.26950"** Longitude: **W91°46'06.90405"**

Mapping Angle: **1°08'26"** Combination Scale Factor: **0.999934593**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **218**

Designation: 2006-218 Johnson Co GPS Control Pt. (Set by DCI in 2006)

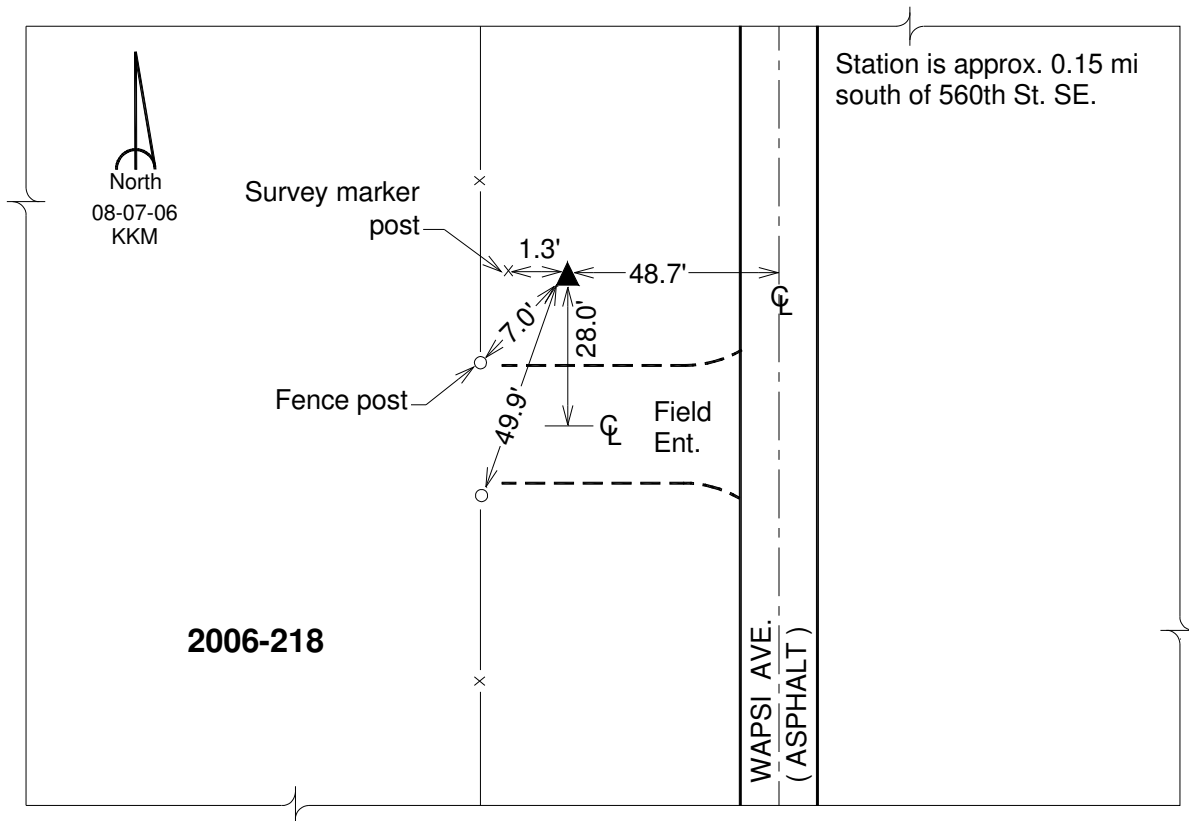
Northing: **561728.79sft** Easting: **2208416.37sft**

Orthometric Height: **693.22sft** Ellipsoid Height: **585.82sft** **Geoid12A**

Latitude: **N41°31'23.49598"** Longitude: **W91°25'31.87390"**

Mapping Angle: **1°21'59"** Combination Scale Factor: **0.999936206**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **219**

Designation: 2006-219 Johnson Co GPS Control Pt. (Set by DCI in 2006)

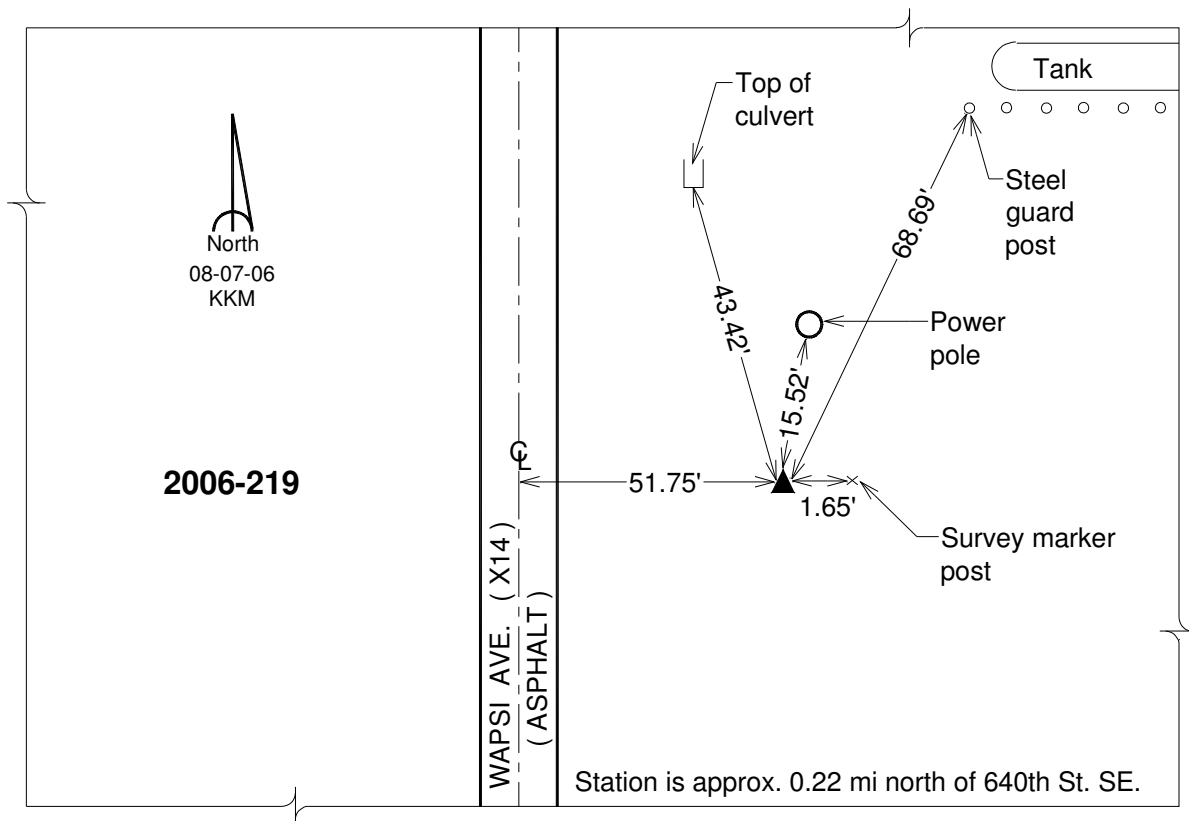
Northing: **542461.54sft** Easting: **2208833.63sft**

Orthometric Height: **712.18sft** Ellipsoid Height: **604.64sft** **Geoid12A**

Latitude: **N41°28'13.08844"** Longitude: **W91°25'32.42989"**

Mapping Angle: **1°21'59"** Combination Scale Factor: **0.999930548**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **220**

Designation: 2006-220 Johnson Co GPS Control Pt. (Set by DCI in 2006)

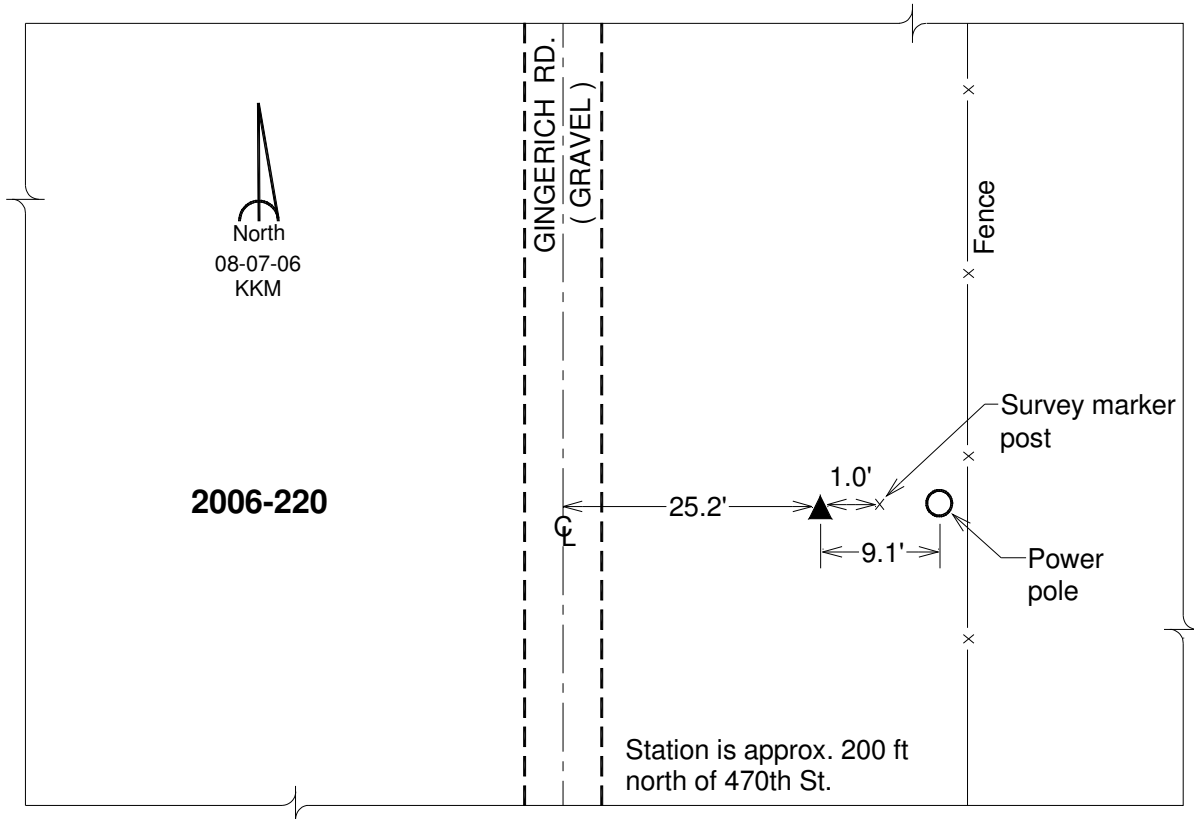
Northing: **585439.26sft** Easting: **2142296.27sft**

Orthometric Height: **758.49sft** Ellipsoid Height: **651.50sft** **Geoid12A**

Latitude: **N41°35'32.37509"** Longitude: **W91°39'54.37876"**

Mapping Angle: **1°12'31"** Combination Scale Factor: **0.999940580**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **221**

Designation: 2006-221 Johnson Co GPS Control Pt. (Set by DCI in 2006)

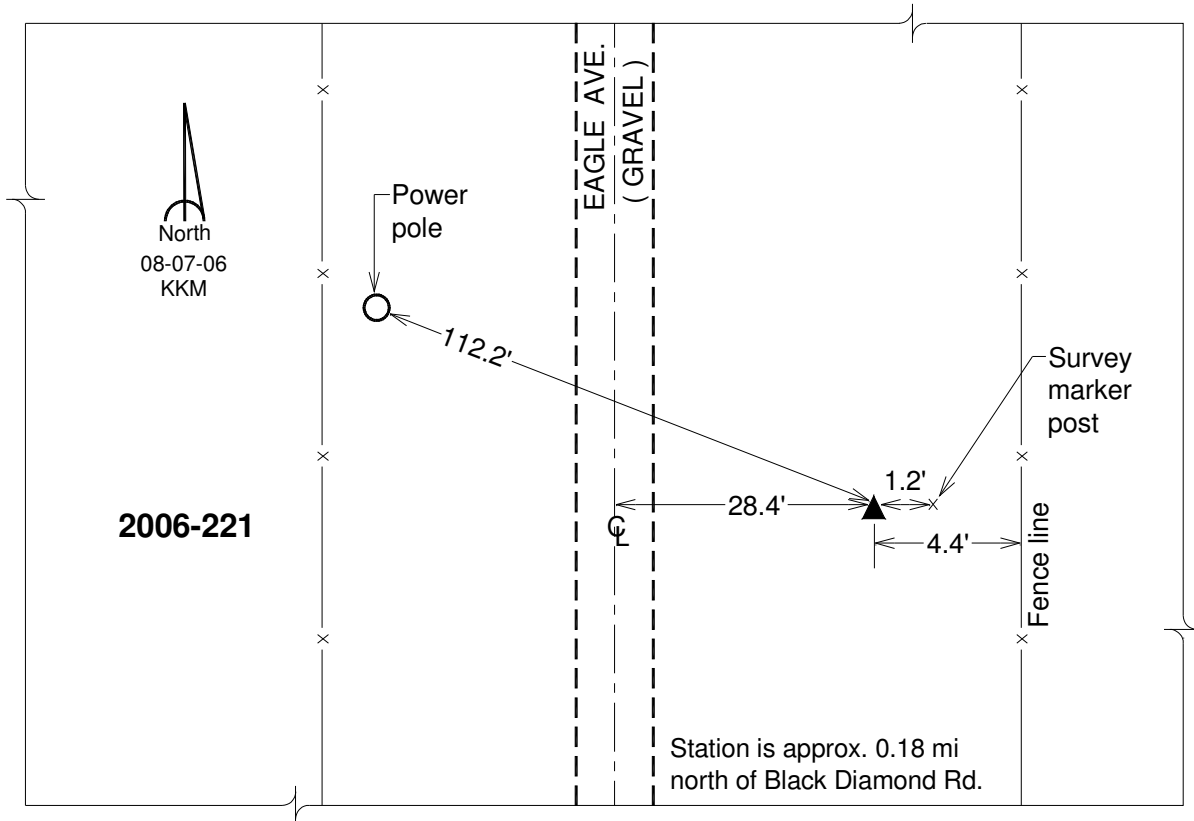
Northing: **592022.88sft** Easting: **2114464.23sft**

Orthometric Height: **772.29sft** Ellipsoid Height: **665.51sft** **Geoid12A**

Latitude: **N41°36'43.04683"** Longitude: **W91°45'58.87082"**

Mapping Angle: **1°08'31"** Combination Scale Factor: **0.999942309**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **222**

Designation: 2006-222 Johnson Co GPS Control Pt. (Set by DCI in 2006)

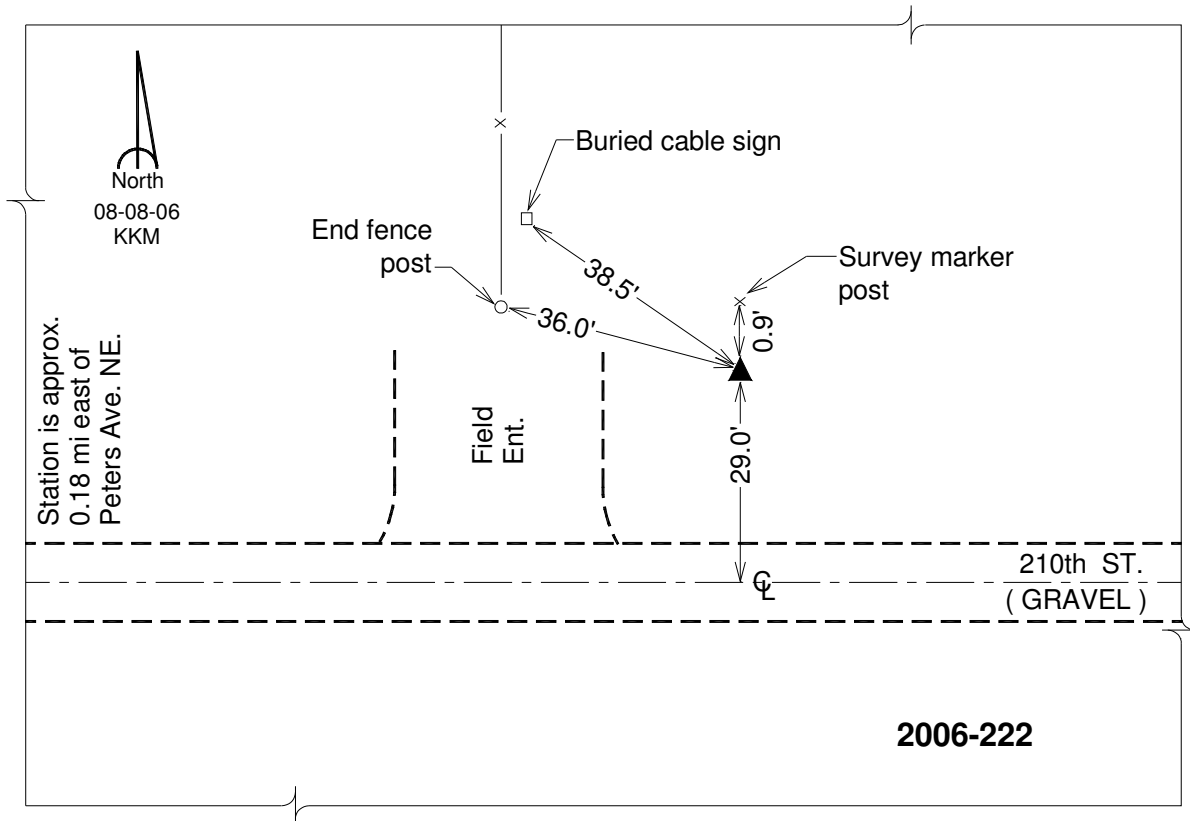
Northing: **654263.58sft** Easting: **2207517.04sft**

Orthometric Height: **849.92sft** Ellipsoid Height: **742.97sft** **Geoid12A**

Latitude: **N41°46'37.66398"** Longitude: **W91°25'14.61595"**

Mapping Angle: **1°22'11"** Combination Scale Factor: **0.999963453**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **223**

Designation: 2006-223 City of North Liberty GPS Control (Set by DCI in 2006)

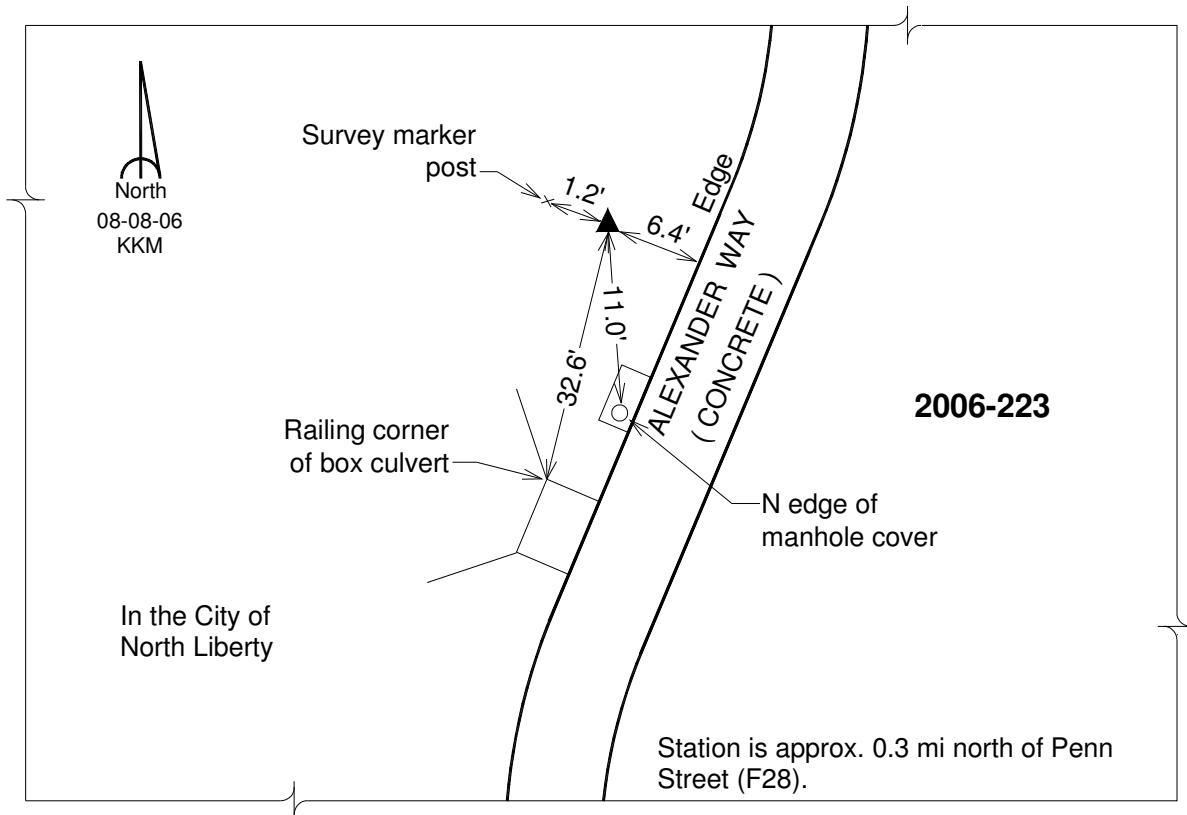
Northing: **645727.17sft** Easting: **2151136.58sft**

Orthometric Height: **764.15sft** Ellipsoid Height: **657.41sft** **Geoid12A**

Latitude: **N41°45'26.00151"** Longitude: **W91°37'40.98616"**

Mapping Angle: **1°13'59"** Combination Scale Factor: **0.999964099**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **224**

Designation: 2006-224 City of North Liberty GPS Control (Set by DCI in 2006)

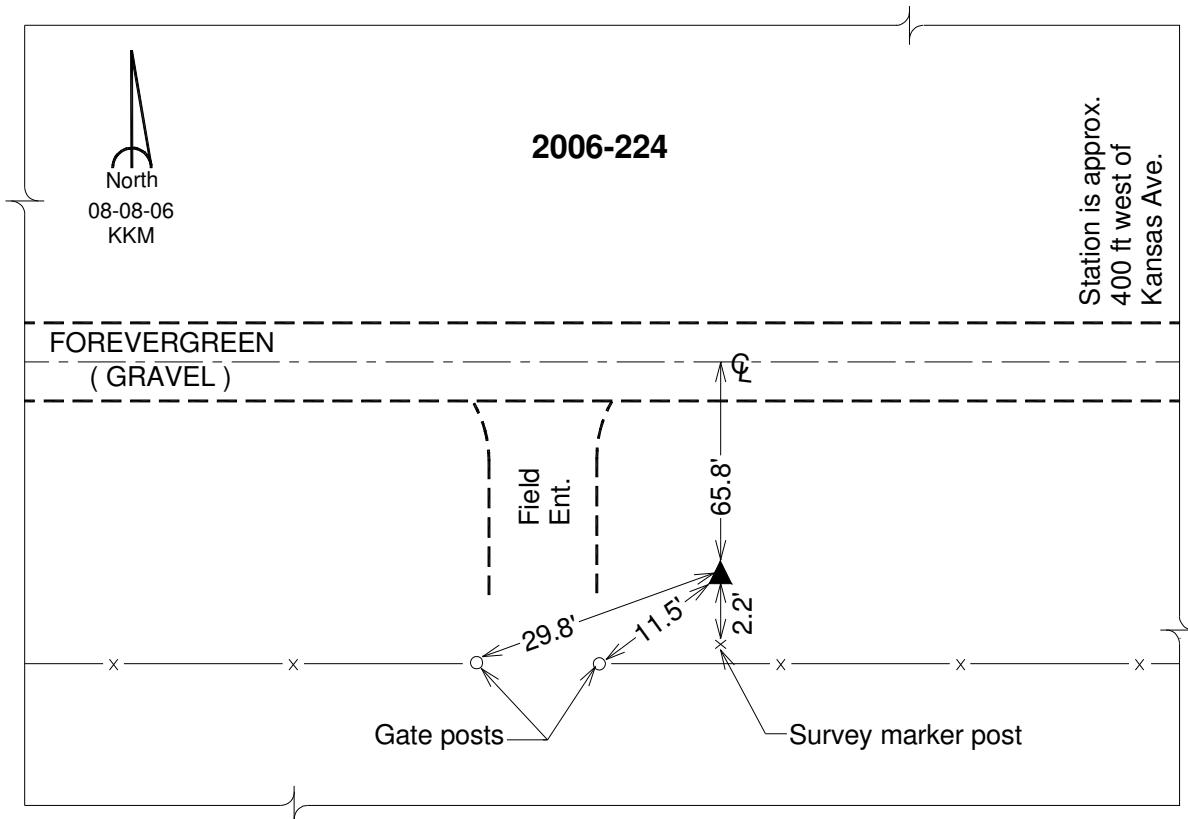
Northing: **633240.78sft** Easting: **2148492.84sft**

Orthometric Height: **785.16sft** Ellipsoid Height: **678.36sft** **Geoid12A**

Latitude: **N41°43'23.23200"** Longitude: **W91°38'19.38491"**

Mapping Angle: **1°13'34"** Combination Scale Factor: **0.999957495**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **225**

Designation: 2006-225 City of North Liberty GPS Control (Set by DCI in 2006)

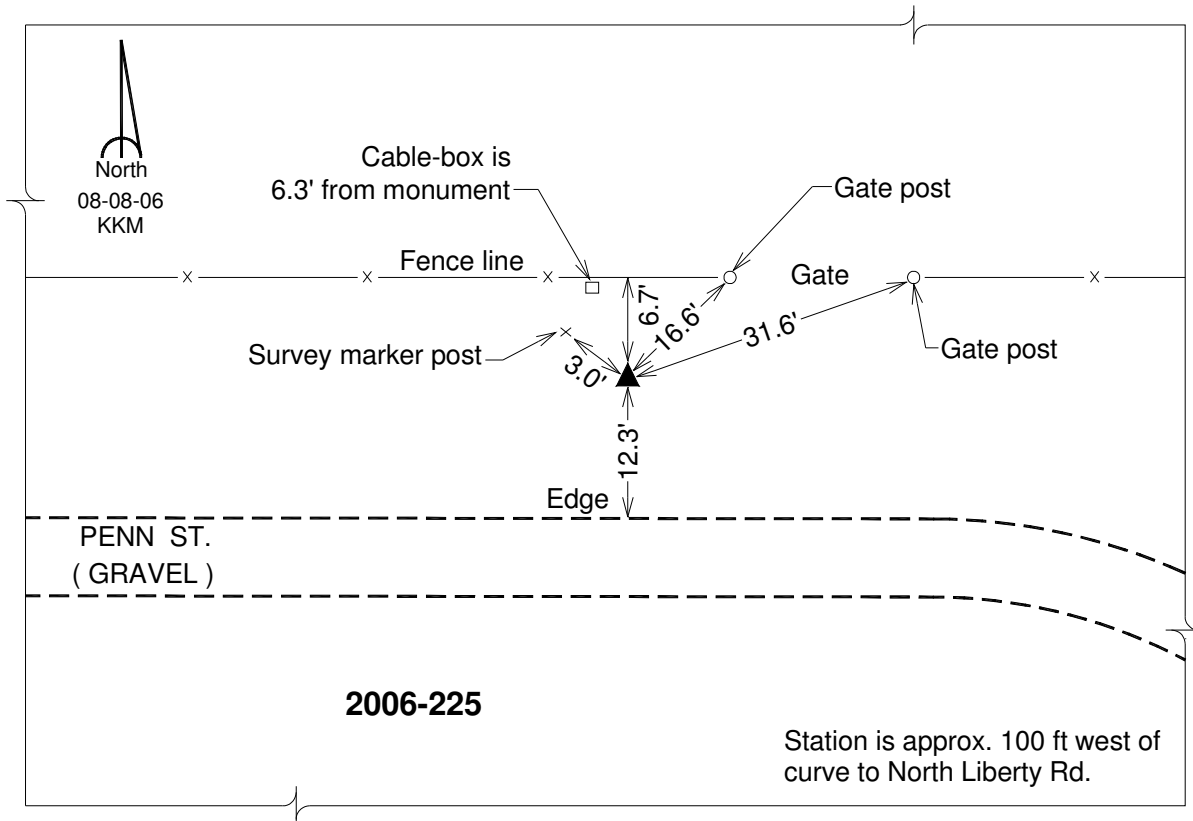
Northing: **644109.61sft** Easting: **2164818.31sft**

Orthometric Height: **840.85sft** Ellipsoid Height: **734.02sft** **Geoid12A**

Latitude: **N41°45'07.07729"** Longitude: **W91°34'40.98342"**

Mapping Angle: **1°15'58"** Combination Scale Factor: **0.999959557**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **226**

Designation: 2006-226 City of Coralville GPS Control Pt (Set by DCI in 2006)

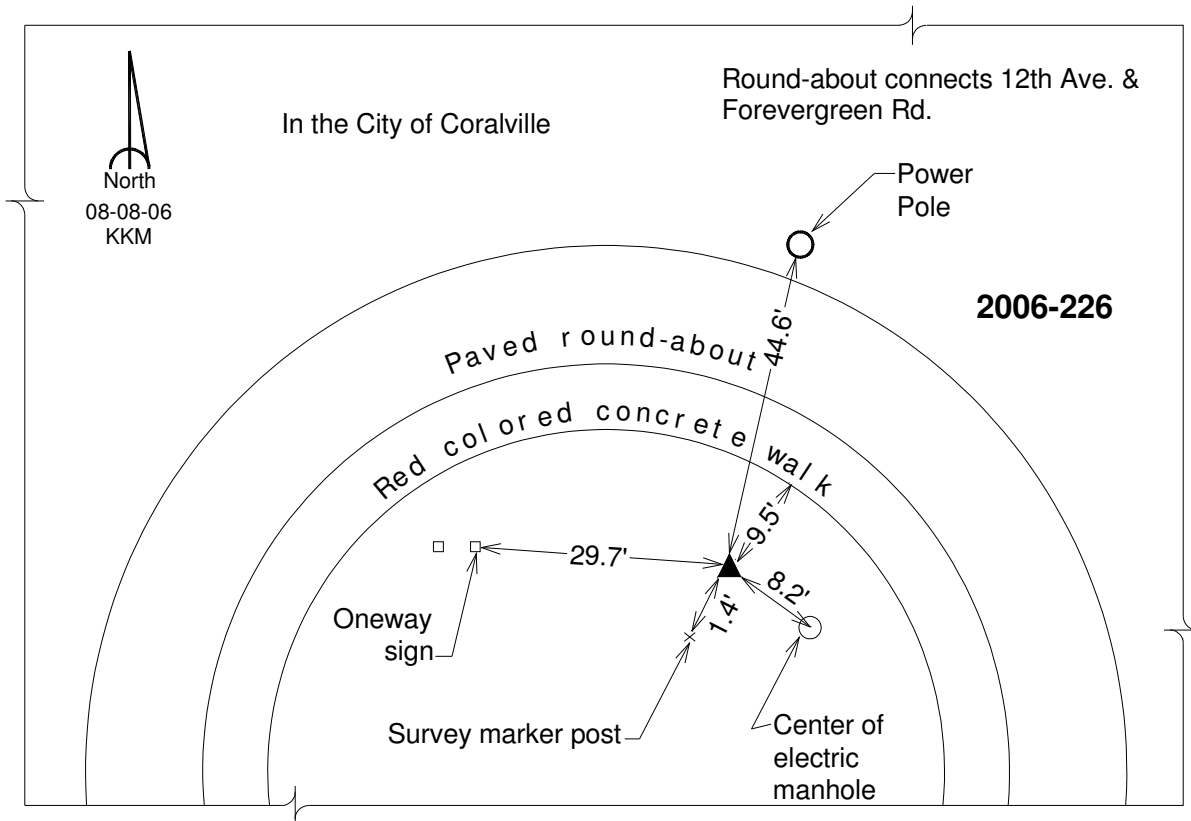
Northing: **633423.26sft** Easting: **2160450.51sft**

Orthometric Height: **759.71sft** Ellipsoid Height: **652.85sft** **Geoid12A**

Latitude: **N41°43'22.47694"** Longitude: **W91°35'41.68183"**

Mapping Angle: **1°15'18"** Combination Scale Factor: **0.999958679**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **227**

Designation: 2006-227 City of Coralville GPS Control Pt (Set by DCI in 2006)

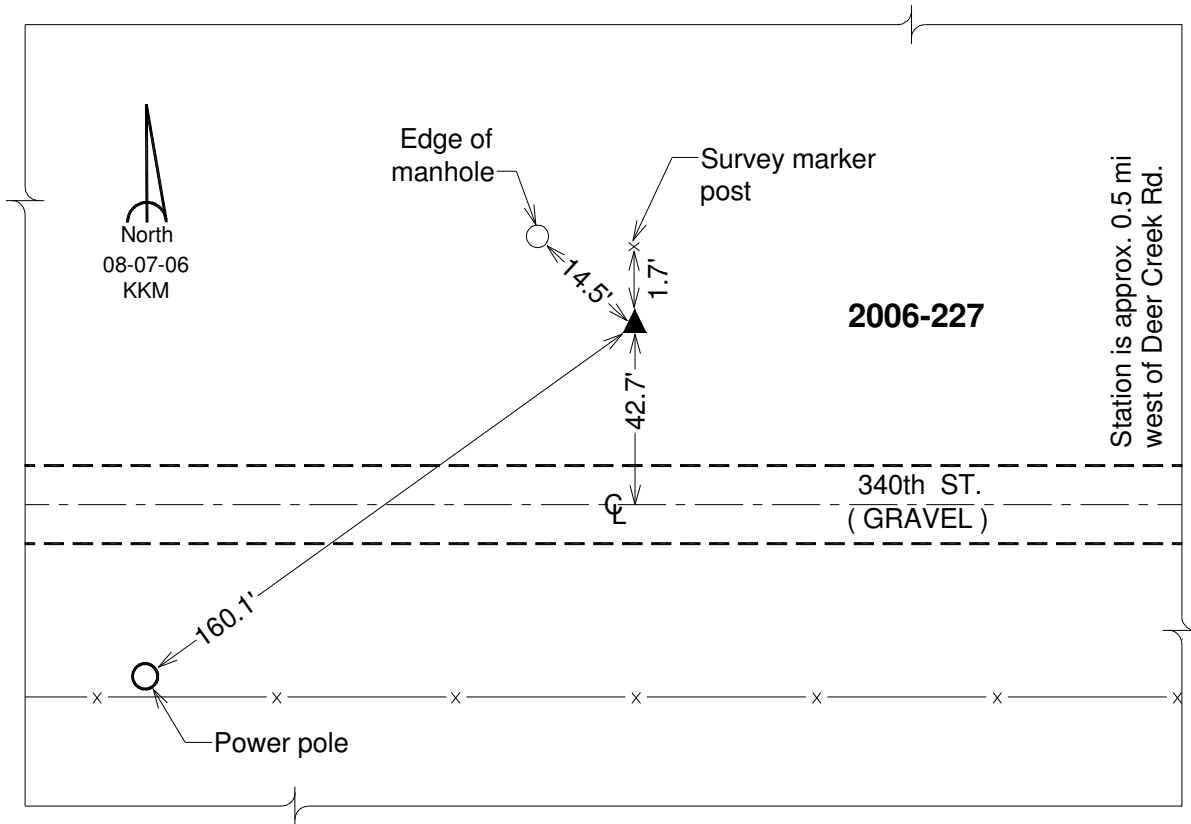
Northing: **621741.73sft** Easting: **2152018.07sft**

Orthometric Height: **678.73sft** Ellipsoid Height: **571.84sft** **Geoid12A**

Latitude: **N41°41'28.90533"** Longitude: **W91°37'36.17335"**

Mapping Angle: **1°14'02"** Combination Scale Factor: **0.999957678**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **228**

Designation: 2006-228 City of Coralville GPS Control Pt (Set by DCI in 2006)

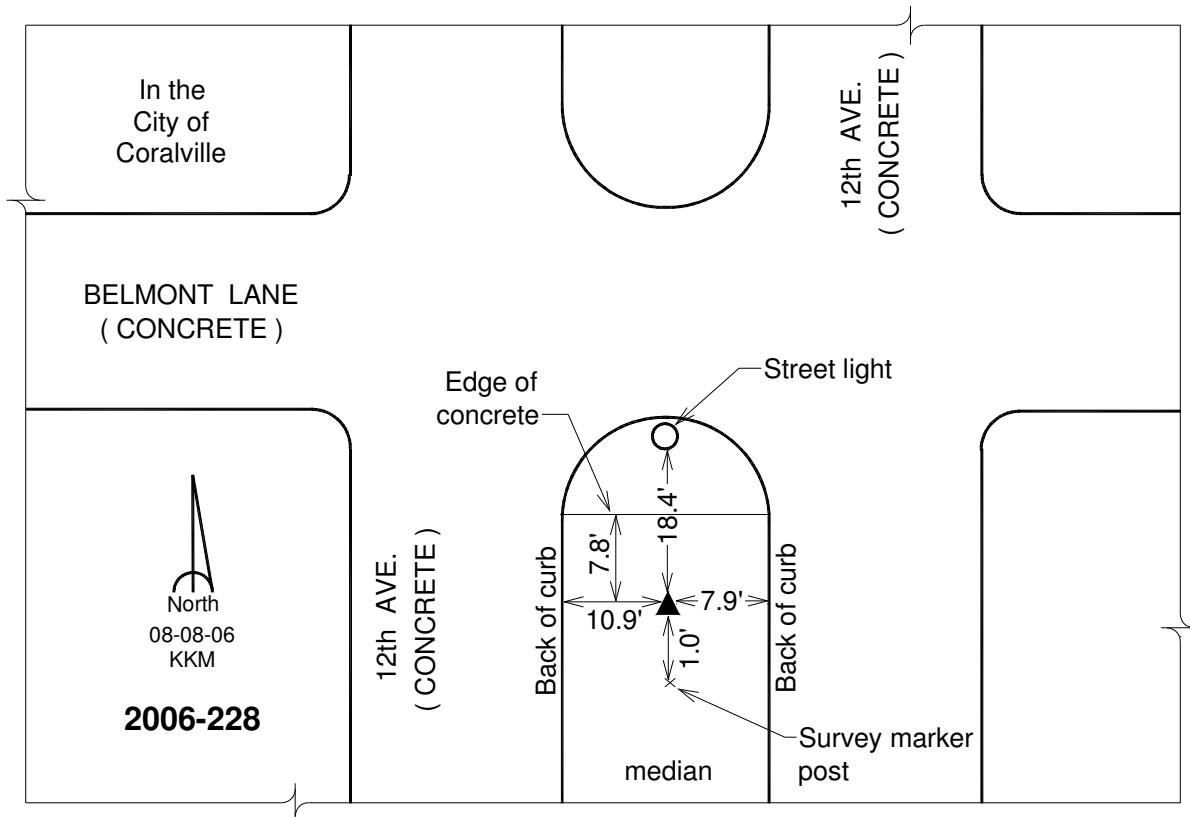
Northing: **627029.52sft** Easting: **2162533.84sft**

Orthometric Height: **805.35sft** Ellipsoid Height: **698.46sft** **Geoid12A**

Latitude: **N41°42'18.87354"** Longitude: **W91°35'16.06870"**

Mapping Angle: **1°15'34"** Combination Scale Factor: **0.999953741**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



This document was prepared by DCI on 03-05-2013 for use by Johnson County, Iowa.

Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **229**

Designation: 2006-229 City of Coralville GPS Control Pt (Set by DCI in 2006)

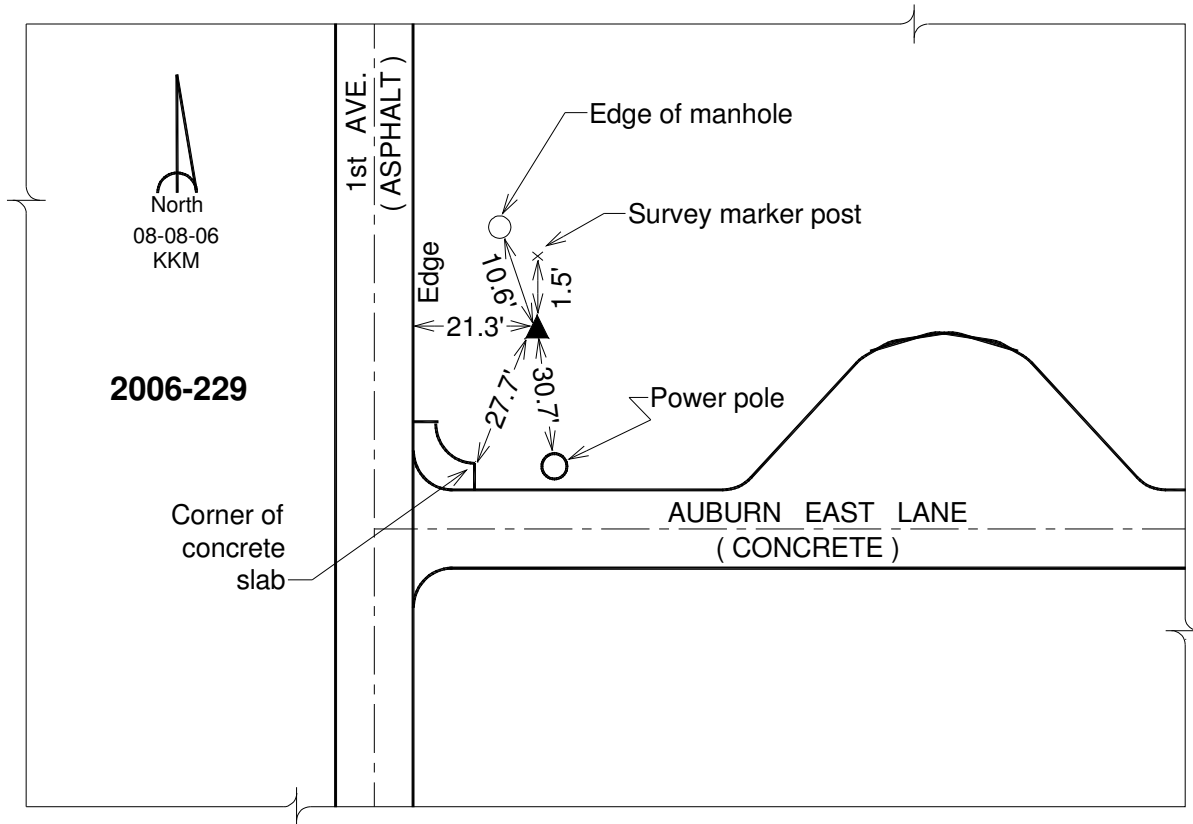
Northing: **628918.09sft** Easting: **2168921.12sft**

Orthometric Height: **807.00sft** Ellipsoid Height: **700.09sft** **Geoid12A**

Latitude: **N41°42'36.13155"** Longitude: **W91°33'51.32822"**

Mapping Angle: **1°16'30"** Combination Scale Factor: **0.999954403**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **230**

Designation: 2006-230 City of Iowa City GPS Control Pt (Set by DCI in 2006)

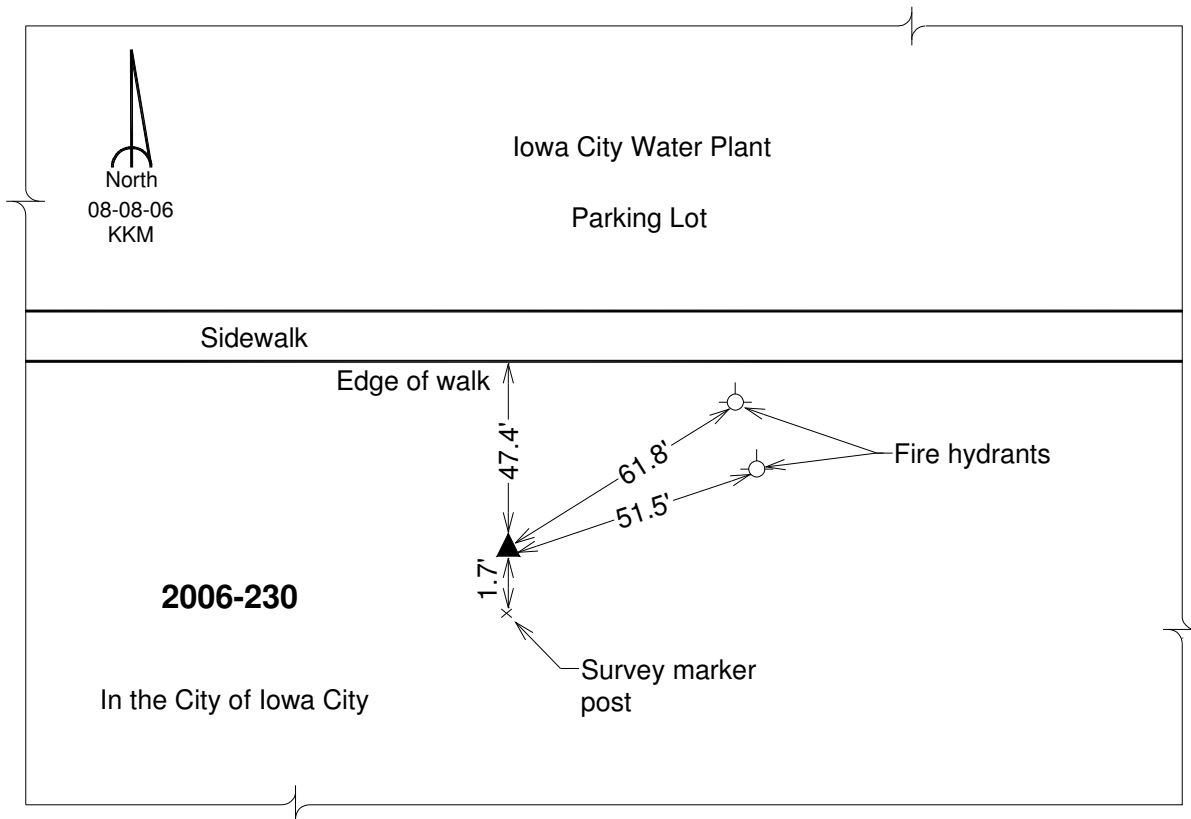
Northing: **621102.95sft** Easting: **2173812.02sft**

Orthometric Height: **714.47sft** Ellipsoid Height: **607.50sft** **Geoid12A**

Latitude: **N41°41'17.86061"** Longitude: **W91°32'49.17350"**

Mapping Angle: **1°17'11"** Combination Scale Factor: **0.999955520**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **231**

Designation: 2006-231 City of Iowa City GPS Control Pt (Set by DCI in 2006)

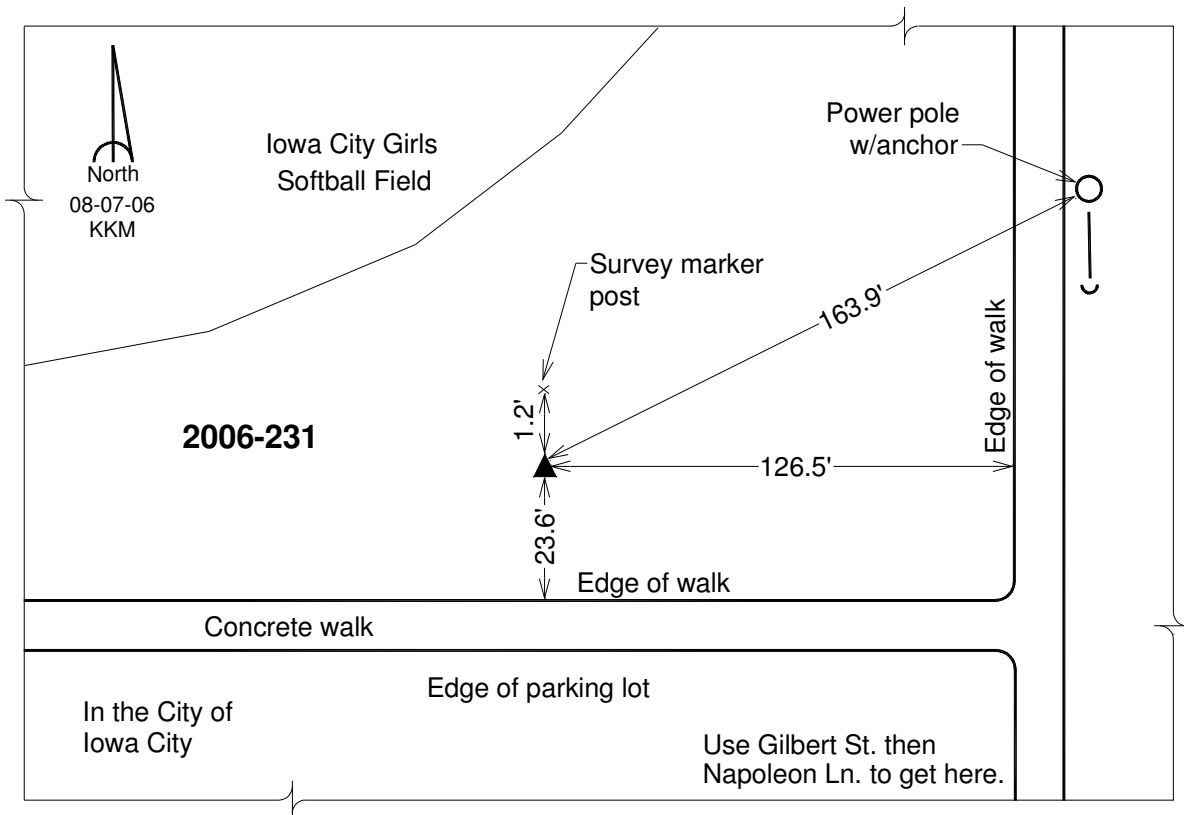
Northing: **600758.56sft** Easting: **2178847.50sft**

Orthometric Height: **652.83sft** Ellipsoid Height: **545.76sft** **Geoid12A**

Latitude: **N41°37'55.79397"** Longitude: **W91°31'48.89370"**

Mapping Angle: **1°17'51"** Combination Scale Factor: **0.999950614**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **232**

Designation: 2006-232 City of Iowa City GPS Control Pt (Set by DCI in 2006)

Northing: **609214.36sft** Easting: **2152009.12sft**

Orthometric Height: **774.64sft** Ellipsoid Height: **667.70sft** **Geoid12A**

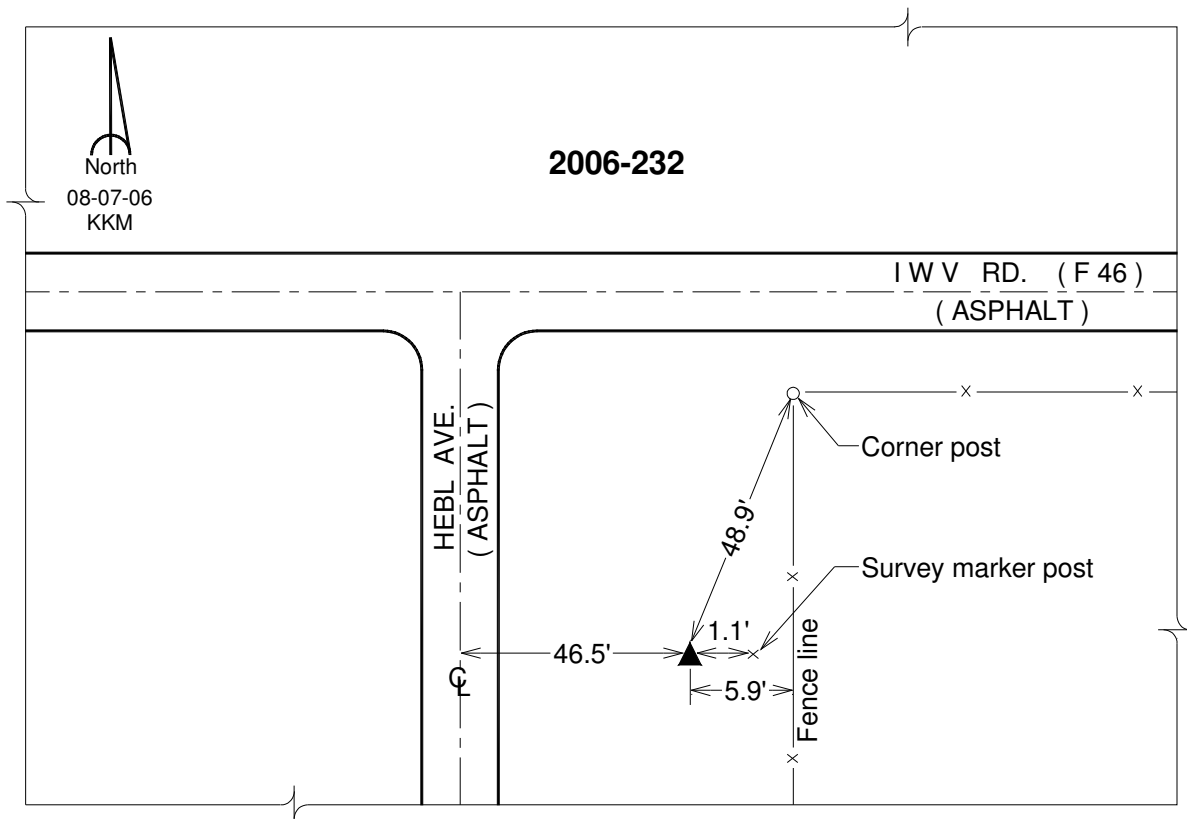
Latitude: **N41°39'25.17004"**

Longitude: **W91°37'39.84515"**

Mapping Angle: **1°14'00"**

Combination Scale Factor: **0.999948150**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

WARNING
Elevation may not be correct.
May 2013
by Johnson Co. Engineer's Office

Point Name: **233**

Designation: 2006-233 City of Iowa City GPS Control Pt (Set by DCI in 2006)

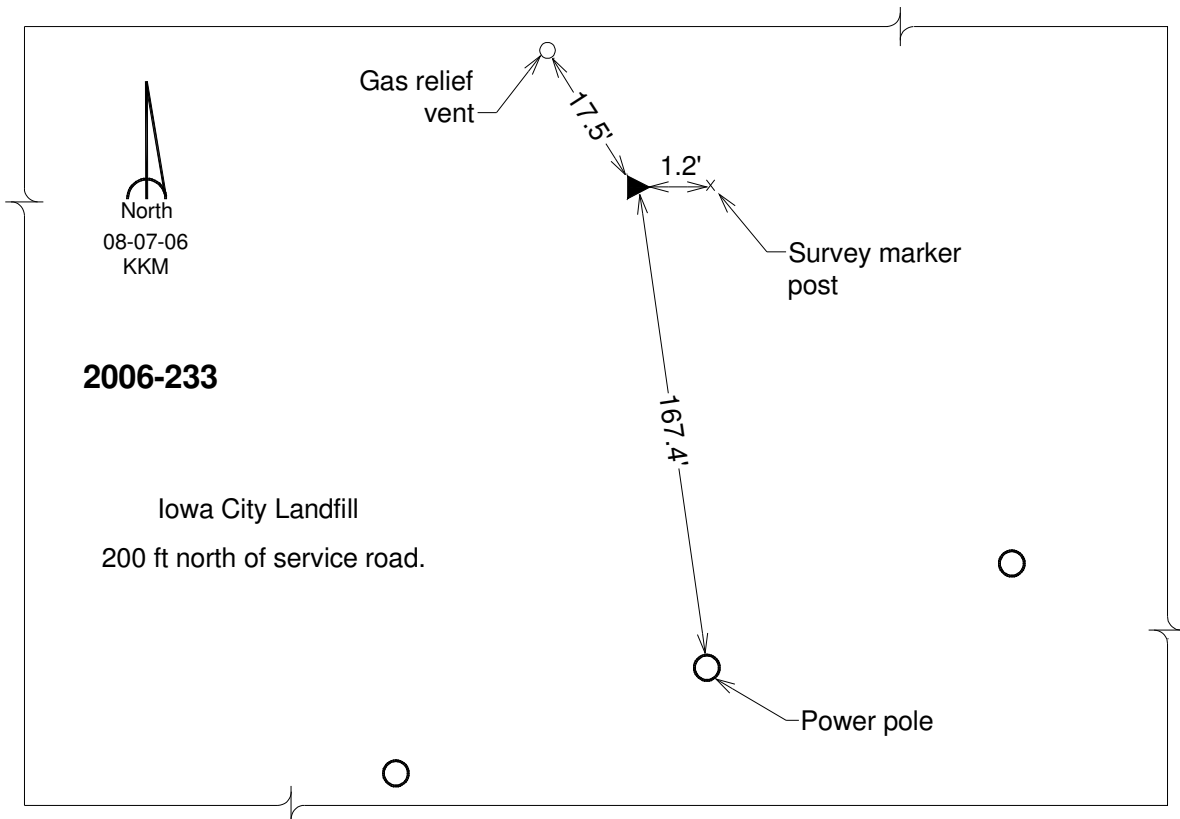
Northing: **606706.34sft** Easting: **2152457.31sft**

Orthometric Height: **780.50sft** Ellipsoid Height: **673.55sft** **Geoid12A**

Latitude: **N41°39'00.30198"** Longitude: **W91°37'34.65373"**

Mapping Angle: **1°14'03"** Combination Scale Factor: **0.999946919**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **234**

Designation: 2006-234 City of Iowa City GPS Control Pt (Set by DCI in 2006)

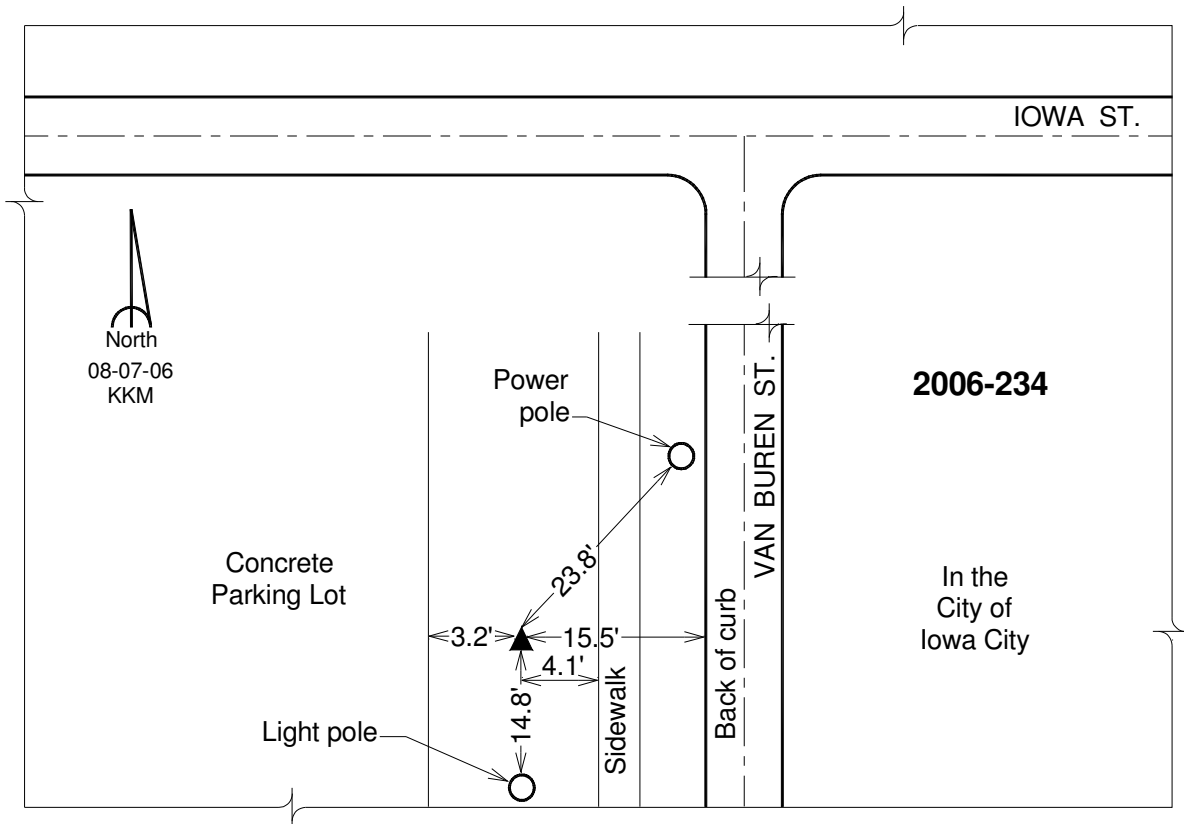
Northing: **611203.71sft** Easting: **2178997.38sft**

Orthometric Height: **659.25sft** Ellipsoid Height: **552.23sft** **Geoid12A**

Latitude: **N41°39'38.92913"** Longitude: **W91°31'43.80354"**

Mapping Angle: **1°17'54"** Combination Scale Factor: **0.999954193**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
 Iowa South Zone (1402)
 Horiz. Datum: **NAD83(NA2011)**
 Vert. Datum: NAVD 1988
 US Survey Feet
2013

Point Name: **235**

Designation: 2006-235 City of Iowa City GPS Control Pt (Set by DCI in 2006)

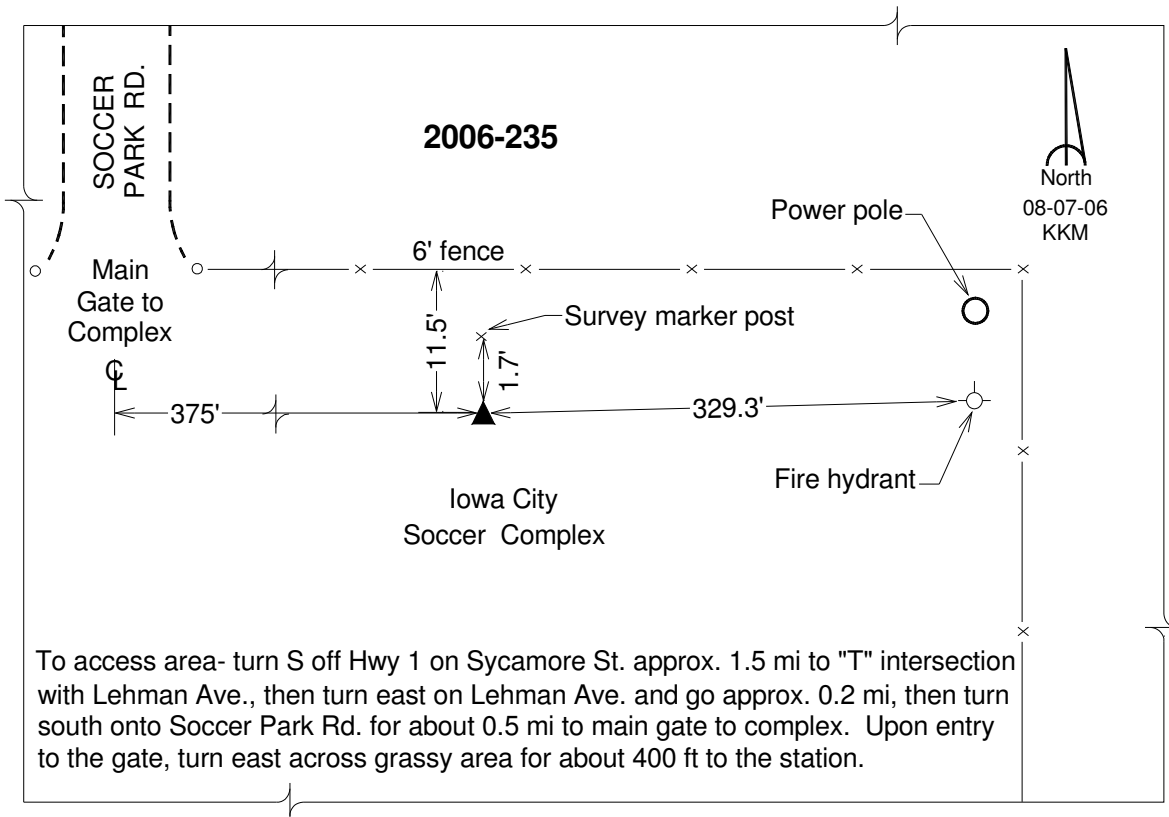
Northing: **593953.25sft** Easting: **2185002.62sft**

Orthometric Height: **678.92sft** Ellipsoid Height: **571.78sft** **Geoid12A**

Latitude: **N41°36'47.19159"** Longitude: **W91°30'29.91112"**

Mapping Angle: **1°18'43"** Combination Scale Factor: **0.999946925**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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Johnson County, Iowa
Iowa South Zone (1402)
Horiz. Datum: **NAD83(NA2011)**
Vert. Datum: NAVD 1988
US Survey Feet
2013

Point Name: **236**

Designation: 2006-236 City of Iowa City GPS Control Pt (Set by DCI in 2006)

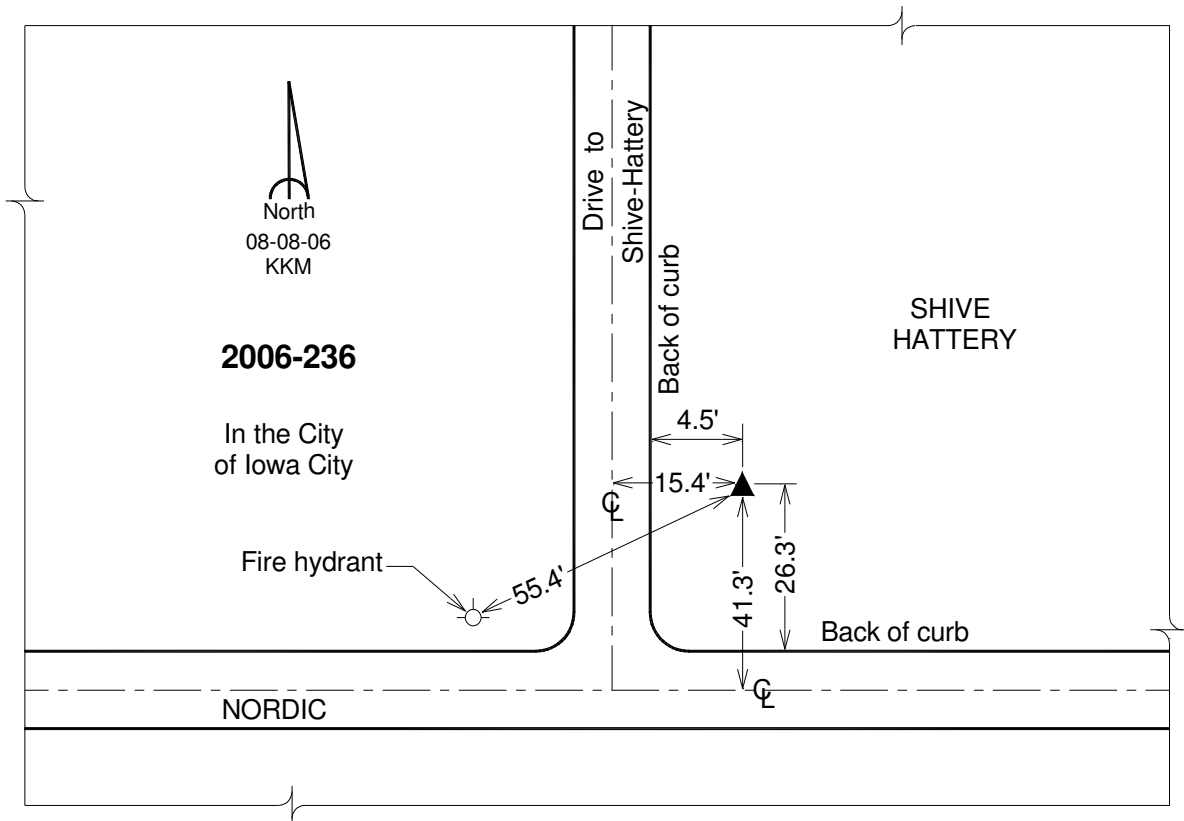
Northing: **621441.44sft** Easting: **2188836.58sft**

Orthometric Height: **729.61sft** Ellipsoid Height: **622.60sft** **Geoid12A**

Latitude: **N41°41'17.82439"** Longitude: **W91°29'31.09709"**

Mapping Angle: **1°19'22"** Combination Scale Factor: **0.999954798**

Monument Type: Berntsen Top Security Rod Monument with a 2-1/2" dia. domed survey cap and permanent magnet encased in a 6" dia. PVC pipe with a NGS style aluminum access cover.



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