

Lee County  
Iowa

**National Adjustment 2011  
(NA2011)**

Monument  
Records

**2014**

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

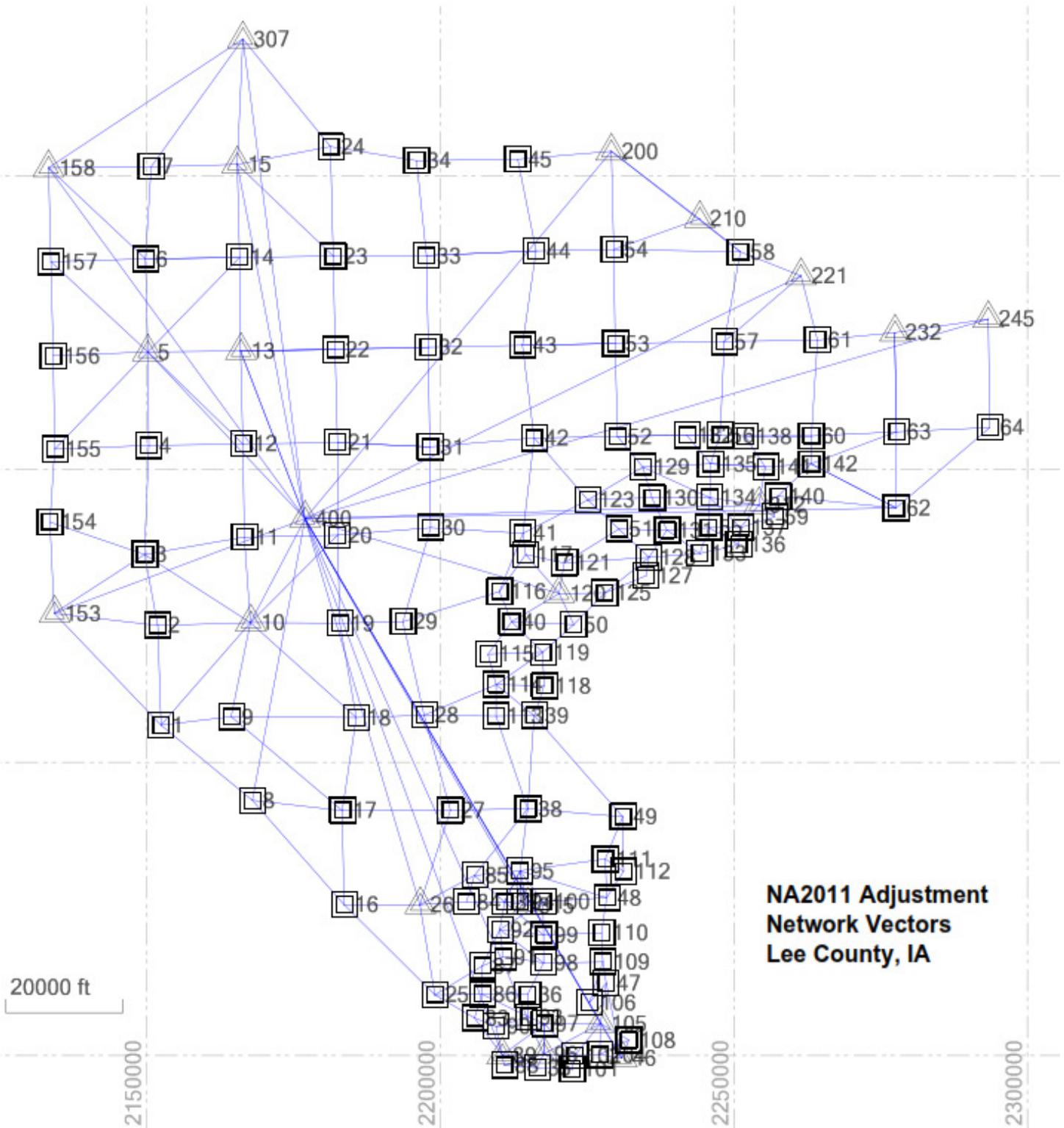
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Fax: (319) 266-3398  
E-Mail: [dcorbin@cfu.net](mailto:dcorbin@cfu.net)

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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **1**

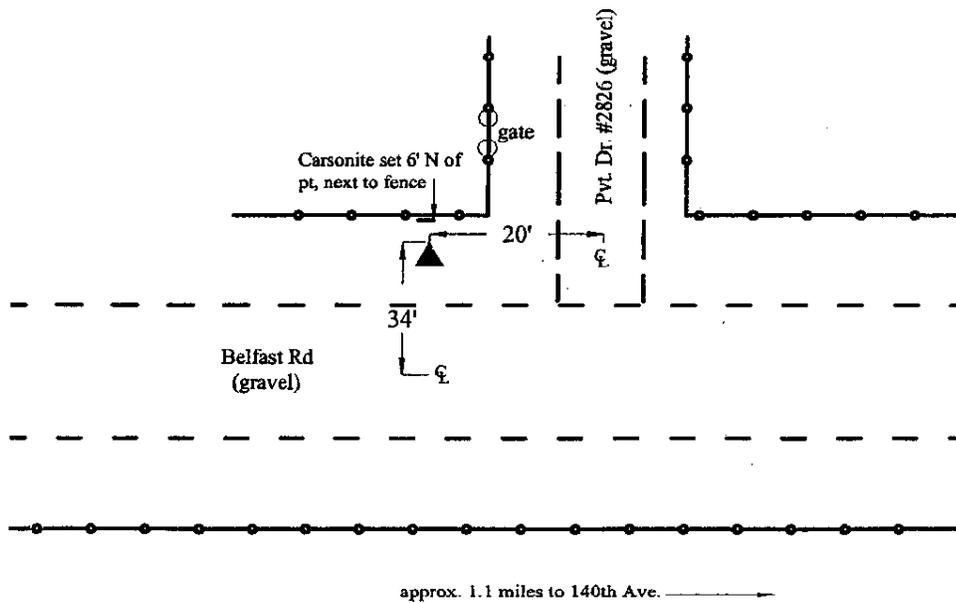
**Designation:** Lee Co. GPS Control Pt. 2001-001 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'06.04955"** Longitude: **W91°39'25.94287"**  
NAVD 88 Ortho Height: **539.700sft** Ellip. Ht: **430.769sft** **Geoid12A**

Iowa South Zone (1402) Northing: **206419.987sft** Easting: **2152488.387sft**  
Mapping Angle: **1°12'50"** Combination Scale Factor: **0.9999915483**

IaRCS Zone 14 Northing: **6310169.049sft** Easting: **24386837.052sft**  
Mapping Angle: **-0°15'53"** Combination Scale Factor: **1.0000120809**

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



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**2001-001**  
**BRS/RKE/SBS**  
**March 6, 2001**

**Set NGS style rod  
monument with  
access cover**

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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **2**

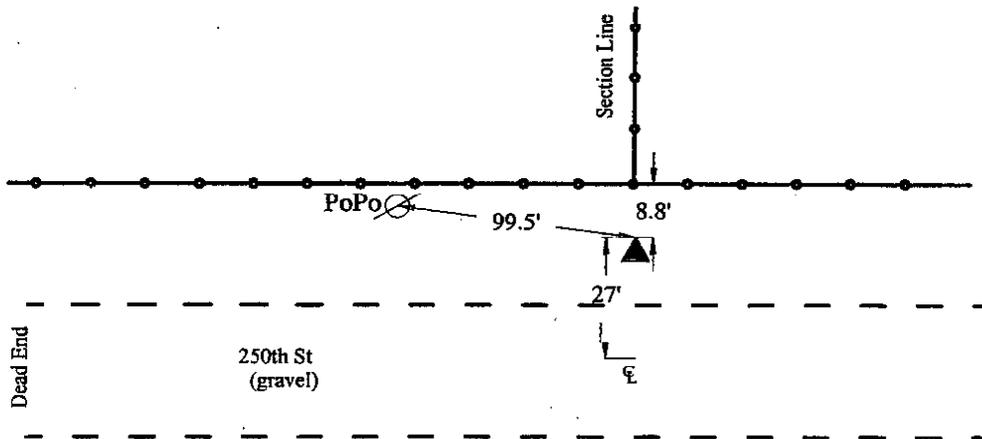
**Designation:** Lee Co. GPS Control Pt. 2001-002 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'54.38047"** Longitude: **W91°39'28.26302"**  
NAVD 88 Ortho Height: **710.480sft** Ellip. Ht: **601.557sft** **Geoid12A**

Iowa South Zone (1402) Northing: **223447.706sft** Easting: **2151948.574sft**  
Mapping Angle: **1°12'48"** Combination Scale Factor: **0.9999745611**

IaRCS Zone 14 Northing: **6327205.454sft** Easting: **24386736.826sft**  
Mapping Angle: **-0°15'55"** Combination Scale Factor: **1.0000039568**

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



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**2001-002**  
BRS/RKE/SBS  
March 6, 2001

Set NGS style rod  
monument with  
access cover

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **3**

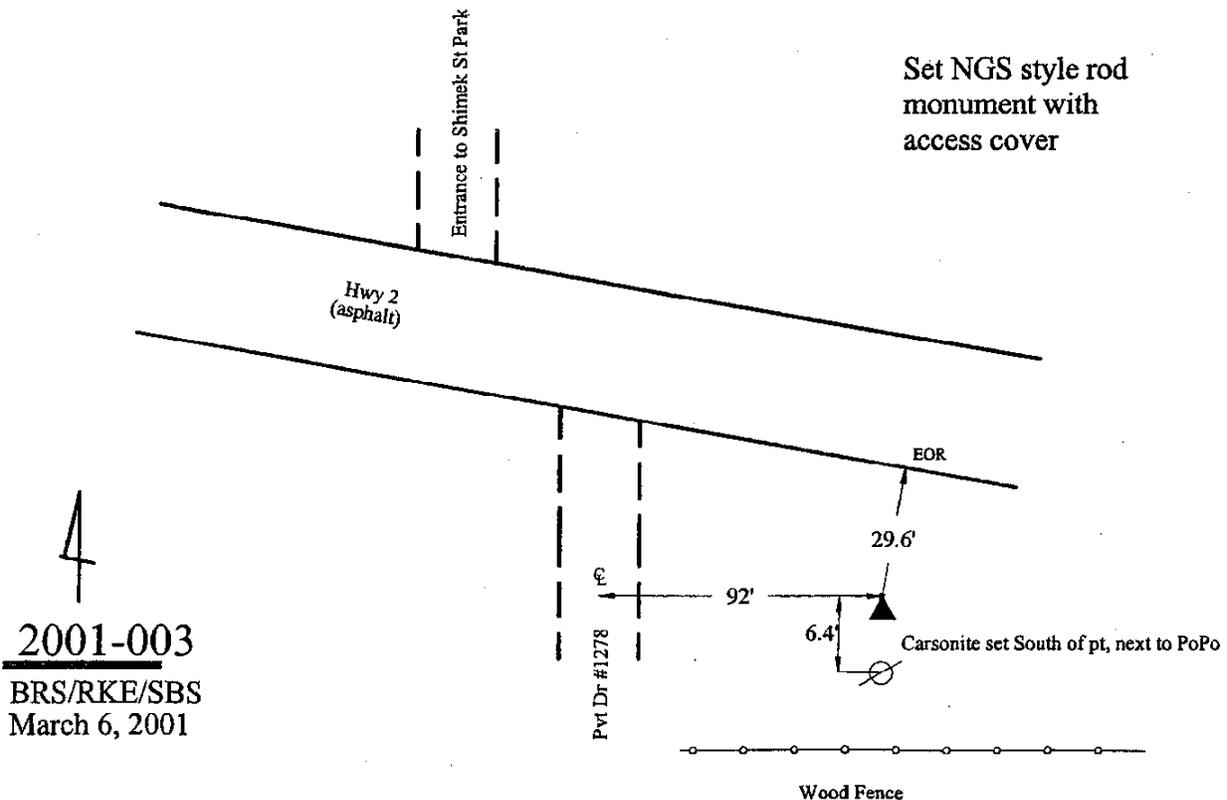
**Designation:** Lee Co. GPS Control Pt. 2001-003 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°37'54.64234"** Longitude: **W91°39'53.60580"**  
NAVD 88 Ortho Height: **712.280sft** Ellip. Ht: **603.377sft** **Geoid12A**

Iowa South Zone (1402) Northing: **235574.349sft** Easting: **2149737.327sft**  
Mapping Angle: **1°12'32"** Combination Scale Factor: **0.9999685632**

laRCS Zone 14 Northing: **6339385.524sft** Easting: **24384839.228sft**  
Mapping Angle: **-0°16'13"** Combination Scale Factor: **1.0000043653**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **4**

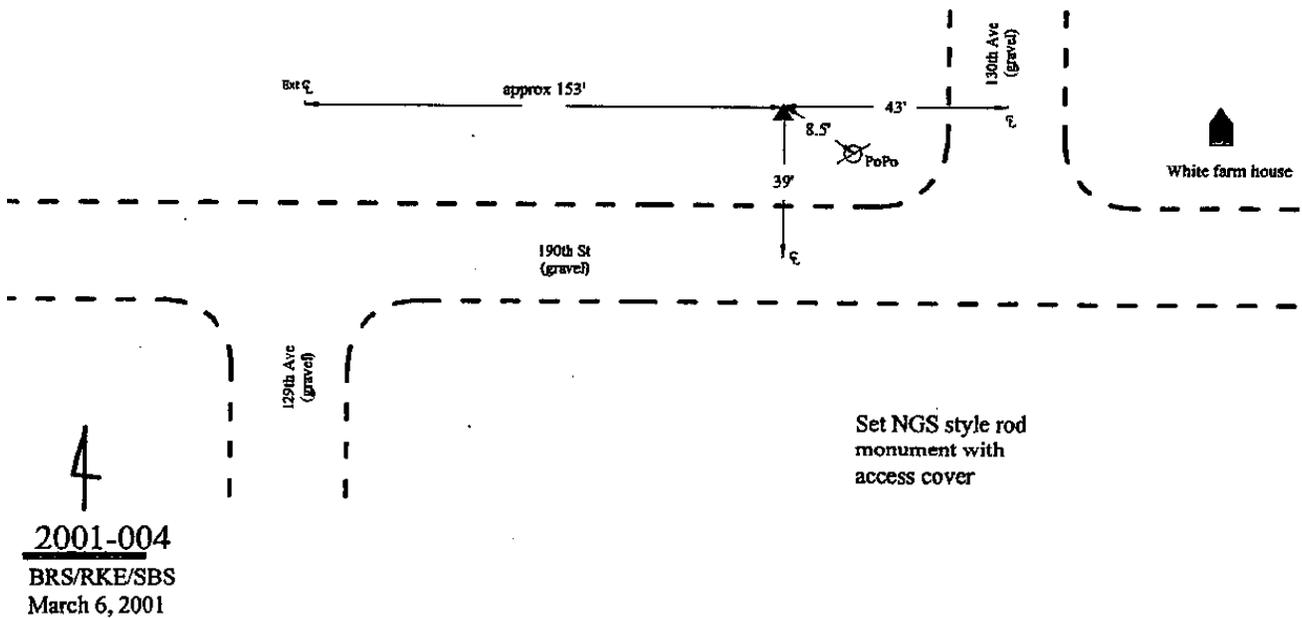
**Designation:** Lee Co. GPS Control Pt. 2001-004 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'57.94270"** Longitude: **W91°39'39.52368"**  
NAVD 88 Ortho Height: **717.590sft** Ellip. Ht: **608.717sft** **Geoid12A**

Iowa South Zone (1402) Northing: **254143.390sft** Easting: **2150430.661sft**  
Mapping Angle: **1°12'41"** Combination Scale Factor: **0.9999599448**

IaRCS Zone 14 Northing: **6357931.221sft** Easting: **24386011.695sft**  
Mapping Angle: **-0°16'04"** Combination Scale Factor: **1.0000038034**

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



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US Survey Feet  
**2014**

Point Name: **5**

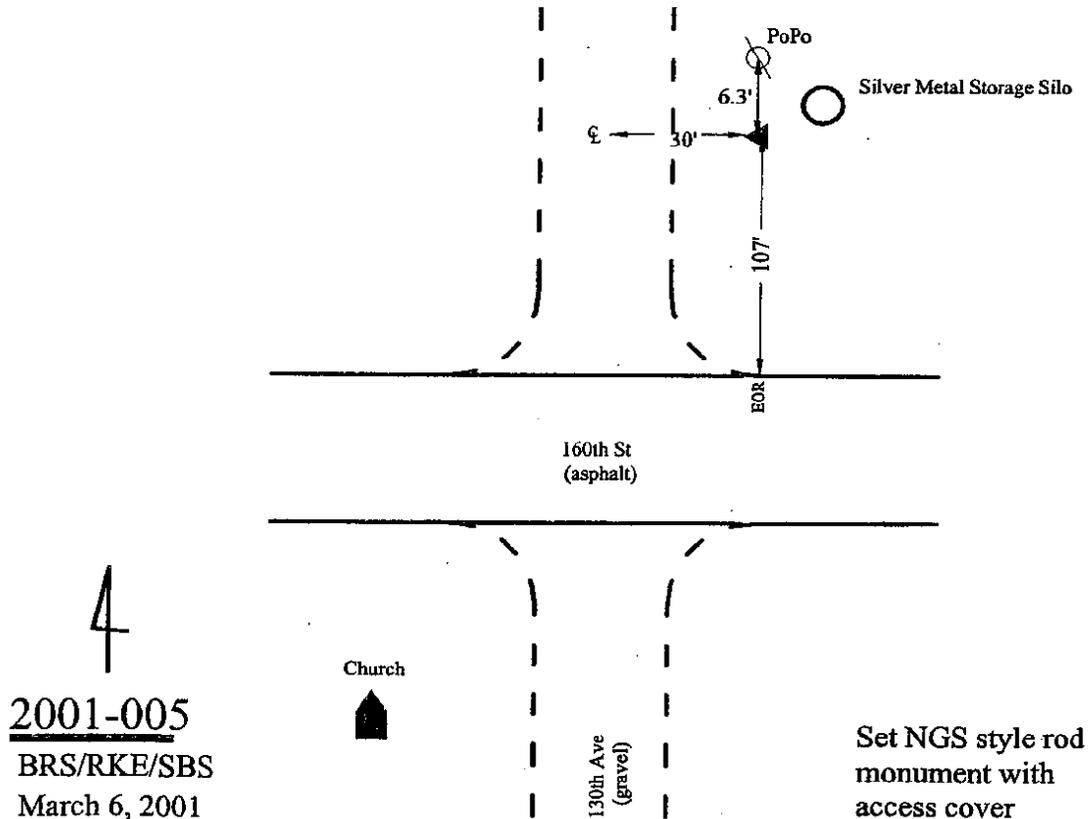
**Designation:** Lee Co. GPS Control Pt. 2001-005 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'35.87885"** Longitude: **W91°39'37.13032"**  
NAVD 88 Ortho Height: **707.380sft** Ellip. Ht: **598.553sft** **Geoid12A**

Iowa South Zone (1402) Northing: **270127.091sft** Easting: **2150276.986sft**  
Mapping Angle: **1°12'42"** Combination Scale Factor: **0.9999538495**

IaRCS Zone 14 Northing: **6373914.316sft** Easting: **24386270.741sft**  
Mapping Angle: **-0°16'04"** Combination Scale Factor: **1.0000042209**

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



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Iowa State Plane South Zone (1402)  
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US Survey Feet  
**2014**

Point Name: **6**

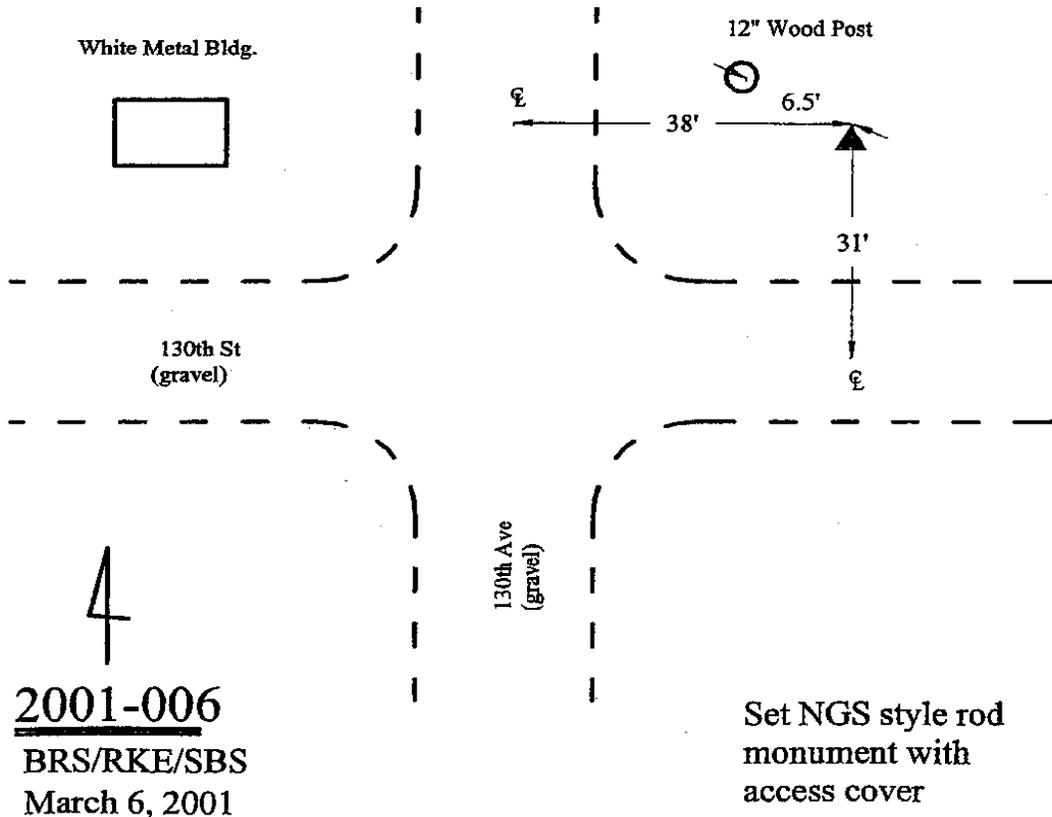
**Designation:** Lee Co. GPS Control Pt. 2001-006 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'12.70313"** Longitude: **W91°39'37.55932"**  
NAVD 88 Ortho Height: **706.400sft** Ellip. Ht: **597.637sft** **Geoid12A**

Iowa South Zone (1402) Northing: **285993.718sft** Easting: **2149908.343sft**  
Mapping Angle: **1°12'42"** Combination Scale Factor: **0.9999479330**

IaRCS Zone 14 Northing: **6389786.018sft** Easting: **24386311.924sft**  
Mapping Angle: **-0°16'05"** Combination Scale Factor: **1.0000042538**

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



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Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: 7

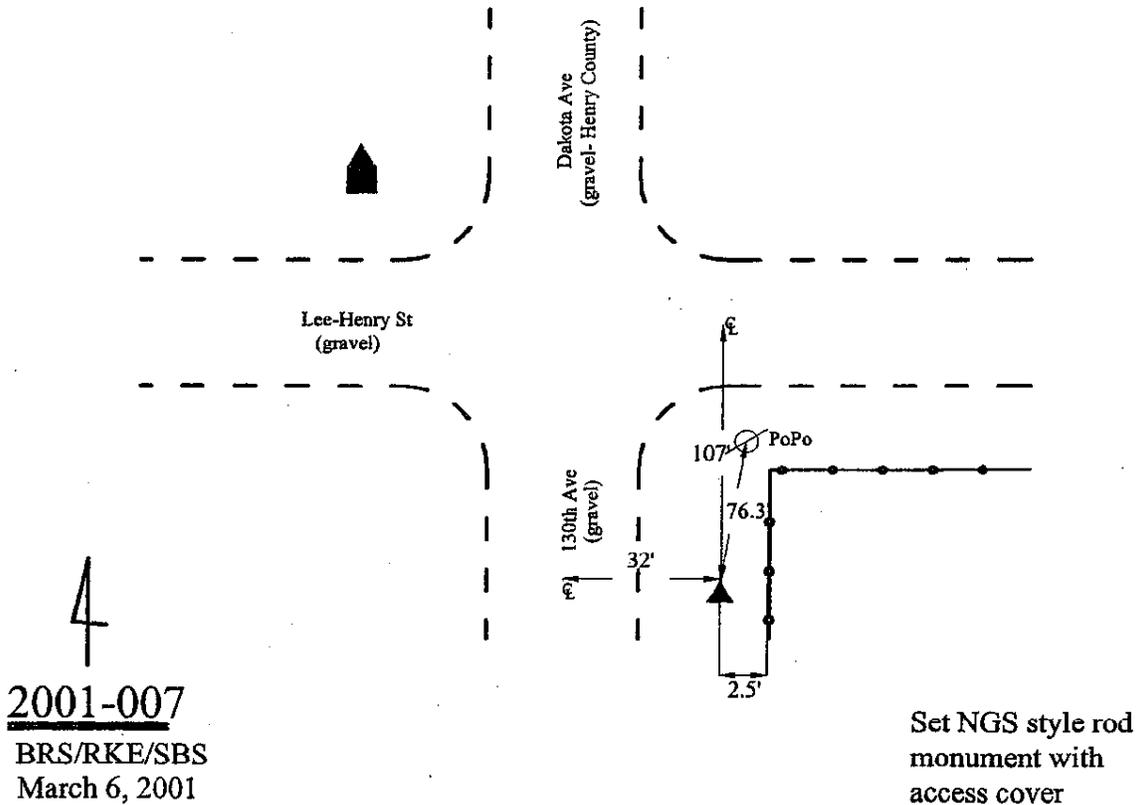
**Designation:** Lee Co. GPS Control Pt. 2001-007 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°48'48.47361"** Longitude: **W91°39'21.18972"**  
NAVD 88 Ortho Height: **710.500sft** Ellip. Ht: **601.807sft** **Geoid12A**

Iowa South Zone (1402) Northing: **301781.100sft** Easting: **2150833.345sft**  
Mapping Angle: **1°12'53"** Combination Scale Factor: **0.9999423802**

IaRCS Zone 14 Northing: **6405545.173sft** Easting: **24387644.420sft**  
Mapping Angle: **-0°15'55"** Combination Scale Factor: **1.0000037105**

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



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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **8**

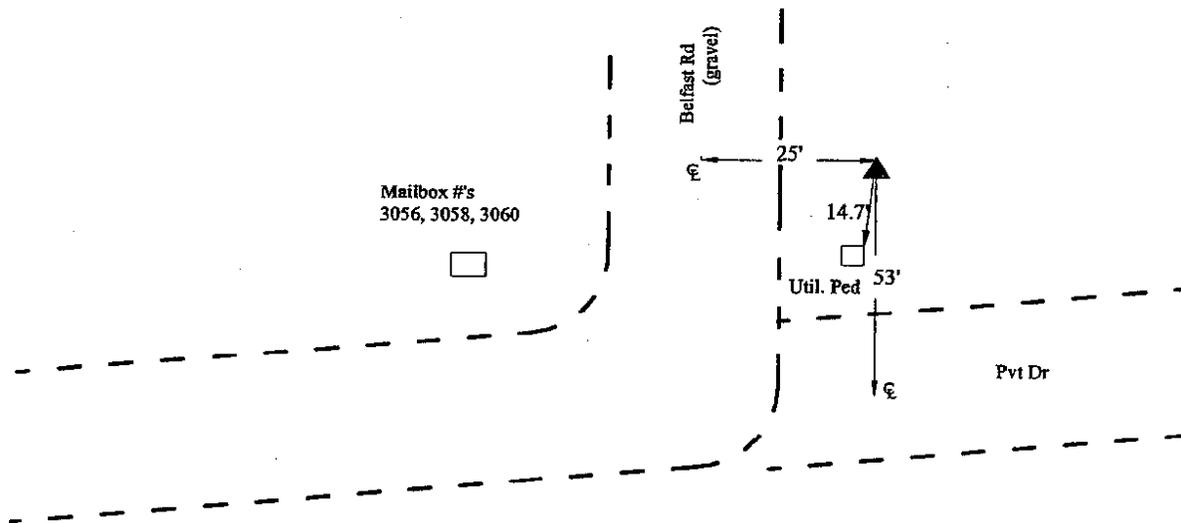
**Designation:** Lee Co. GPS Control Pt. 2001-008 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°30'55.73939"** Longitude: **W91°36'07.51820"**  
NAVD 88 Ortho Height: **680.710sft** Ellip. Ht: **571.730sft** **Geoid12A**

Iowa South Zone (1402) Northing: **193564.869sft** Easting: **2168089.780sft**  
Mapping Angle: **1°15'01"** Combination Scale Factor: **0.9999921143**

IaRCS Zone 14 Northing: **6296915.403sft** Easting: **24402101.740sft**  
Mapping Angle: **-0°13'43"** Combination Scale Factor: **1.0000016717**

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



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**2001-008**  
BRS/RKE/SBS  
March 9, 2001

Set NGS style rod  
monument with  
access cover

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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **9**

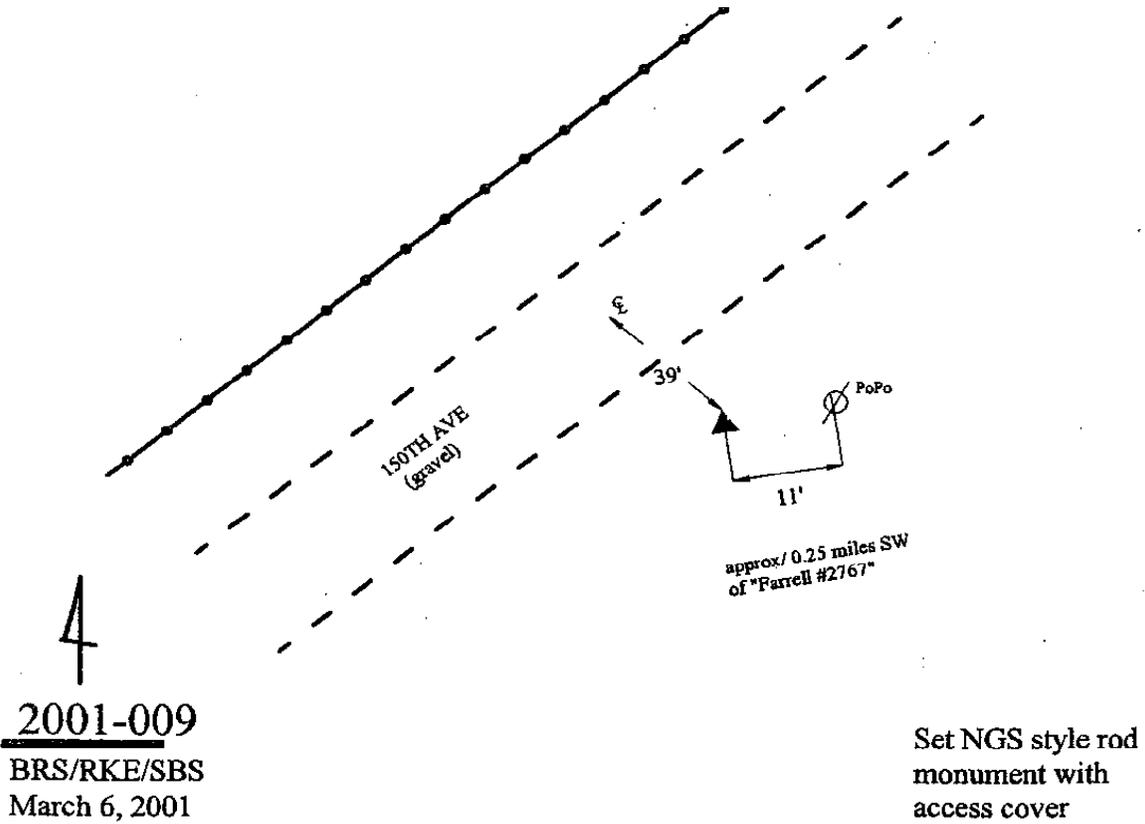
**Designation:** Lee Co. GPS Control Pt. 2001-009 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'17.61044"** Longitude: **W91°36'49.98597"**  
NAVD 88 Ortho Height: **545.070sft** Ellip. Ht: **436.078sft** **Geoid12A**

Iowa South Zone (1402) Northing: **207847.723sft** Easting: **2164499.206sft**  
Mapping Angle: **1°14'33"** Combination Scale Factor: **0.9999906670**

IaRCS Zone 14 Northing: **6311286.370sft** Easting: **24398880.949sft**  
Mapping Angle: **-0°14'12"** Combination Scale Factor: **1.0000088776**

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



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**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **10**

**Designation:** Lee Co. GPS Control Pt. 2001-010 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'55.97070"** Longitude: **W91°36'02.61660"**

NAVD 88 Ortho Height: **662.650sft** Ellip. Ht: **553.639sft** **Geoid12A**

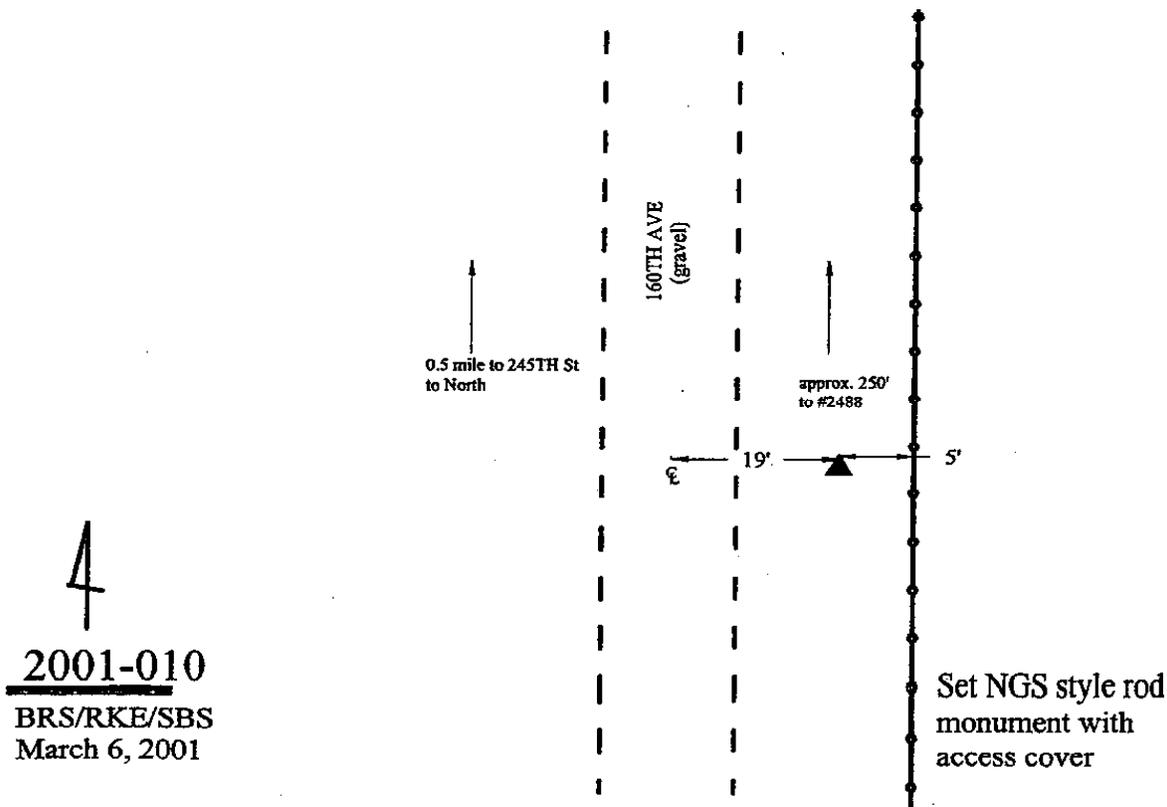
Iowa South Zone (1402) Northing: **223949.746sft** Easting: **2167804.893sft**

Mapping Angle: **1°15'04"** Combination Scale Factor: **0.9999767673**

IaRCS Zone 14 Northing: **6327298.050sft** Easting: **24402601.256sft**

Mapping Angle: **-0°13'42"** Combination Scale Factor: **1.0000024234**

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



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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **11**

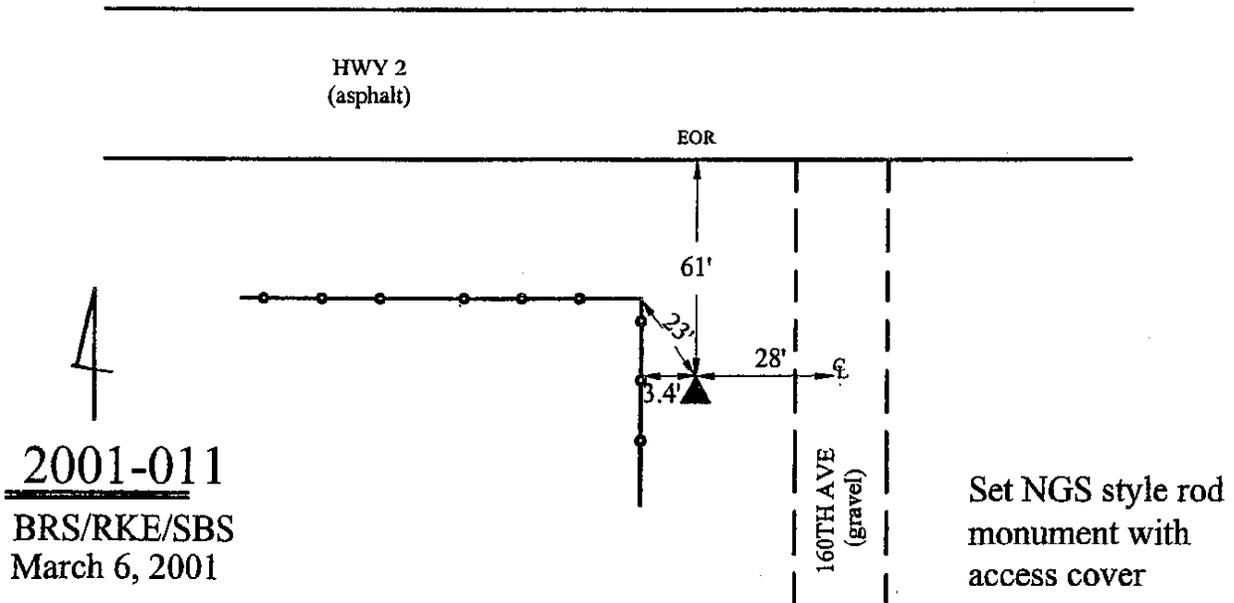
**Designation:** Lee Co. GPS Control Pt. 2001-011 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'19.78522"** Longitude: **W91°36'11.97896"**  
NAVD 88 Ortho Height: **665.260sft** Ellip. Ht: **556.274sft** **Geoid12A**

Iowa South Zone (1402) Northing: **238484.761sft** Easting: **2166765.529sft**  
Mapping Angle: **1°14'58"** Combination Scale Factor: **0.9999696174**

IaRCS Zone 14 Northing: **6341855.480sft** Easting: **24401937.471sft**  
Mapping Angle: **-0°13'48"** Combination Scale Factor: **1.0000024459**

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



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Iowa State Plane South Zone (1402)  
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US Survey Feet  
**2014**

Point Name: **12**

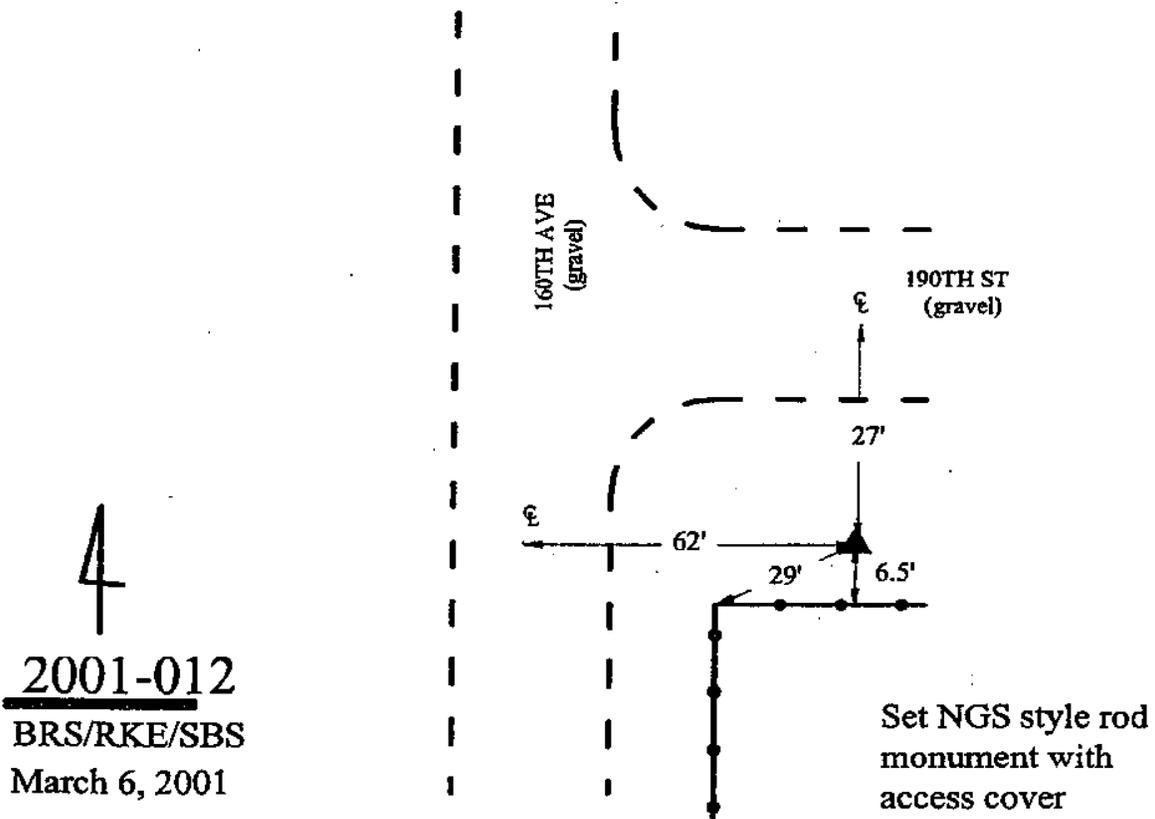
**Designation:** Lee Co. GPS Control Pt. 2001-012 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'57.24168"** Longitude: **W91°36'10.80830"**  
NAVD 88 Ortho Height: **686.880sft** Ellip. Ht: **577.941sft** **Geoid12A**

Iowa South Zone (1402) Northing: **254417.758sft** Easting: **2166508.264sft**  
Mapping Angle: **1°14'58"** Combination Scale Factor: **0.9999614438**

IaRCS Zone 14 Northing: **6357790.389sft** Easting: **24402091.694sft**  
Mapping Angle: **-0°13'48"** Combination Scale Factor: **1.0000013774**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **13**

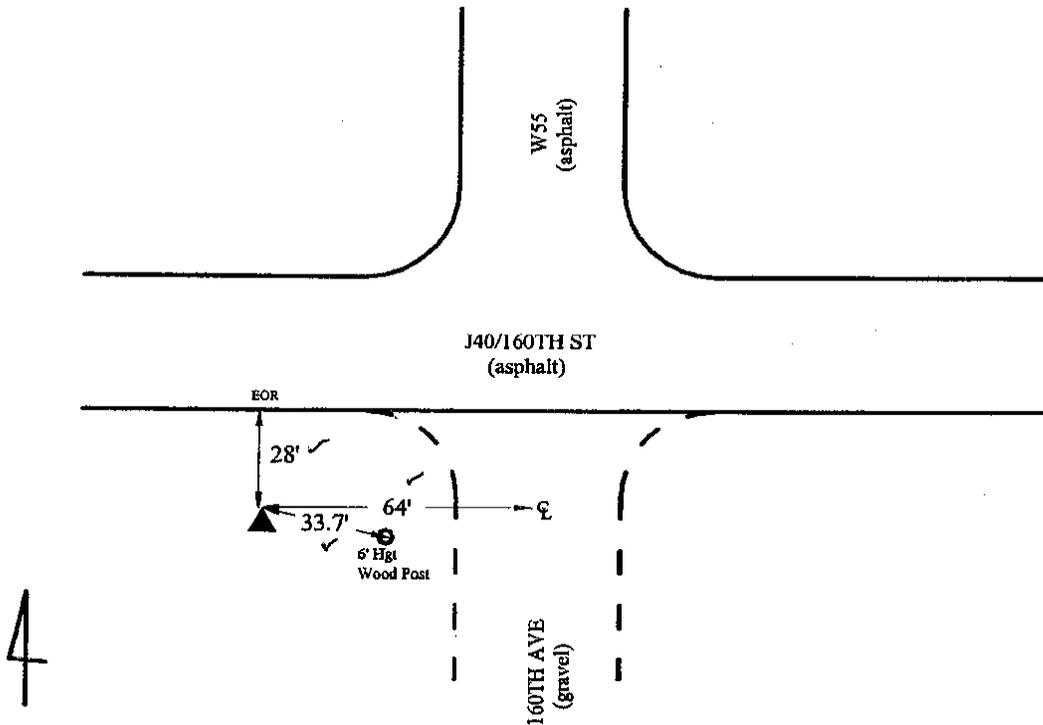
**Designation:** Lee Co. GPS Control Pt. 2001-013 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'34.22346"** Longitude: **W91°36'11.31041"**  
NAVD 88 Ortho Height: **714.390sft** Ellip. Ht: **605.513sft** **Geoid12A**

Iowa South Zone (1402) Northing: **270299.930sft** Easting: **2166123.170sft**  
Mapping Angle: **1°14'58"** Combination Scale Factor: **0.9999535833**

IaRCS Zone 14 Northing: **6373677.895sft** Easting: **24402116.870sft**  
Mapping Angle: **-0°13'49"** Combination Scale Factor: **1.0000000560**

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



**2001-013**  
BRS/RKE/SBS  
March 6, 2001

Set NGS style rod  
monument with  
access cover

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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **14**

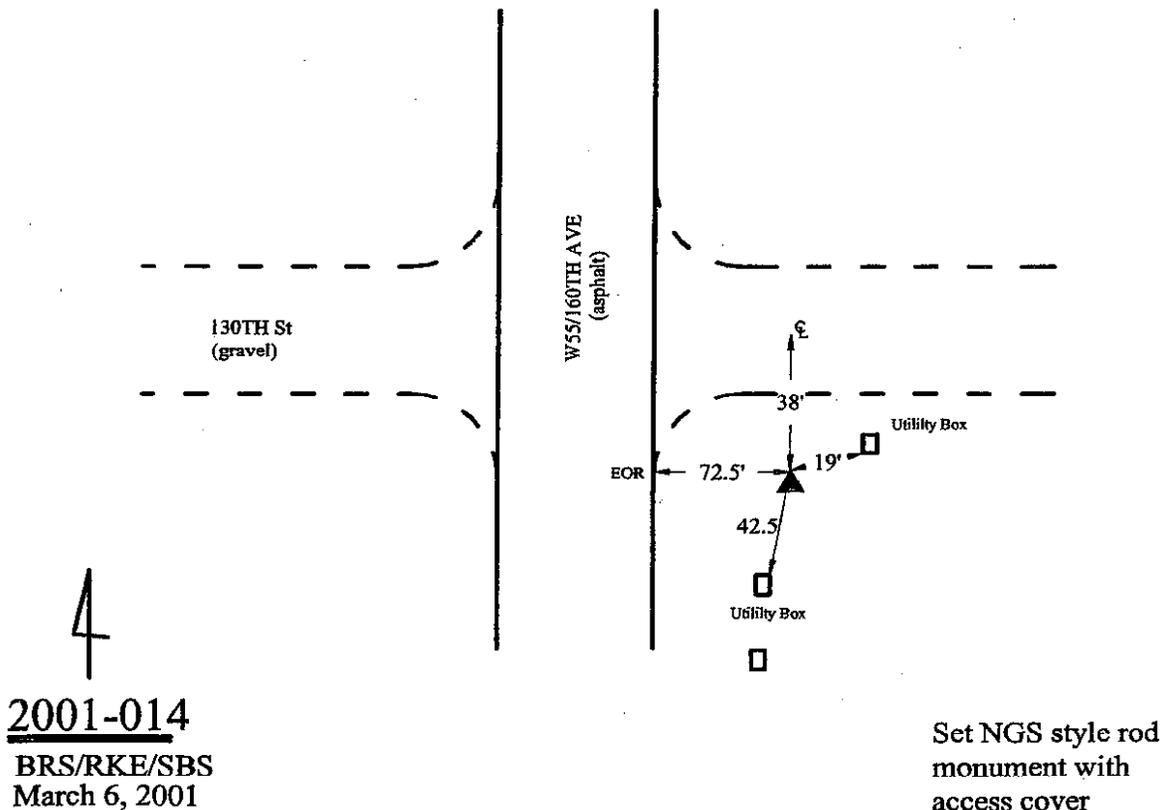
**Designation:** Lee Co. GPS Control Pt. 2001-014 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'11.94504"** Longitude: **W91°36'09.42215"**  
NAVD 88 Ortho Height: **691.430sft** Ellip. Ht: **582.608sft** **Geoid12A**

Iowa South Zone (1402) Northing: **286260.986sft** Easting: **2165920.366sft**  
Mapping Angle: **1°14'59"** Combination Scale Factor: **0.9999486775**

IaRCS Zone 14 Northing: **6389639.655sft** Easting: **24402326.379sft**  
Mapping Angle: **-0°13'49"** Combination Scale Factor: **1.0000011022**

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



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**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **15**

**Designation:** Lee Co. GPS Control Pt. 2001-015 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°48'49.33932"** Longitude: **W91°36'10.25526"**

NAVD 88 Ortho Height: **666.460sft** Ellip. Ht: **557.701sft** **Geoid12A**

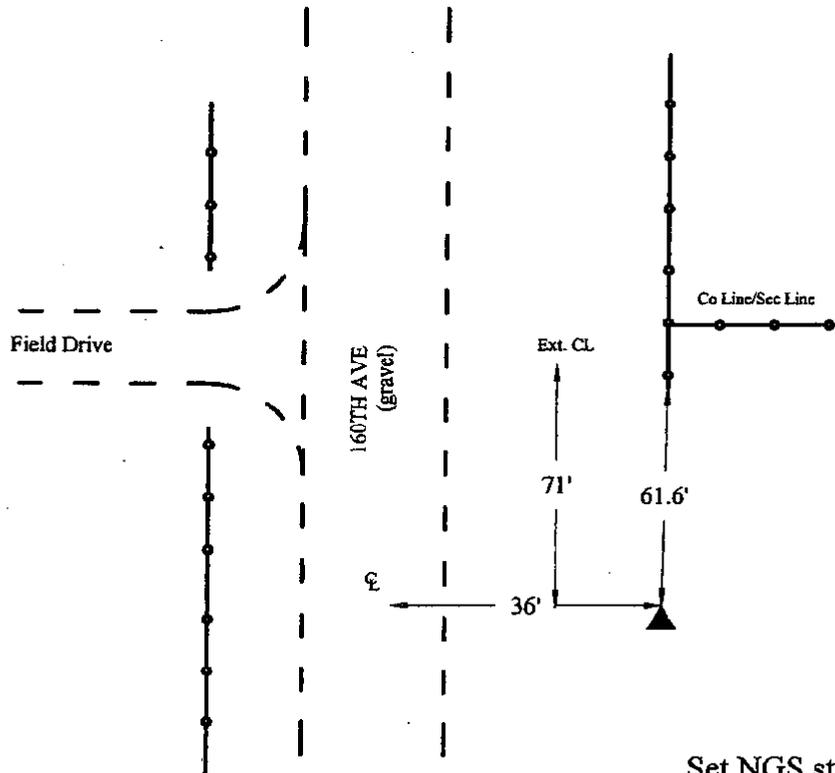
Iowa South Zone (1402) Northing: **302184.389sft** Easting: **2165508.897sft**

Mapping Angle: **1°14'59"** Combination Scale Factor: **0.9999444565**

IaRCS Zone 14 Northing: **6405569.252sft** Easting: **24402326.367sft**

Mapping Angle: **-0°13'50"** Combination Scale Factor: **1.0000022907**

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



4

**2001-015**

**BRS/RKE/SBS**

**March 6, 2001**

Set NGS style rod monument with access cover

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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
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US Survey Feet  
**2014**

Point Name: **16**

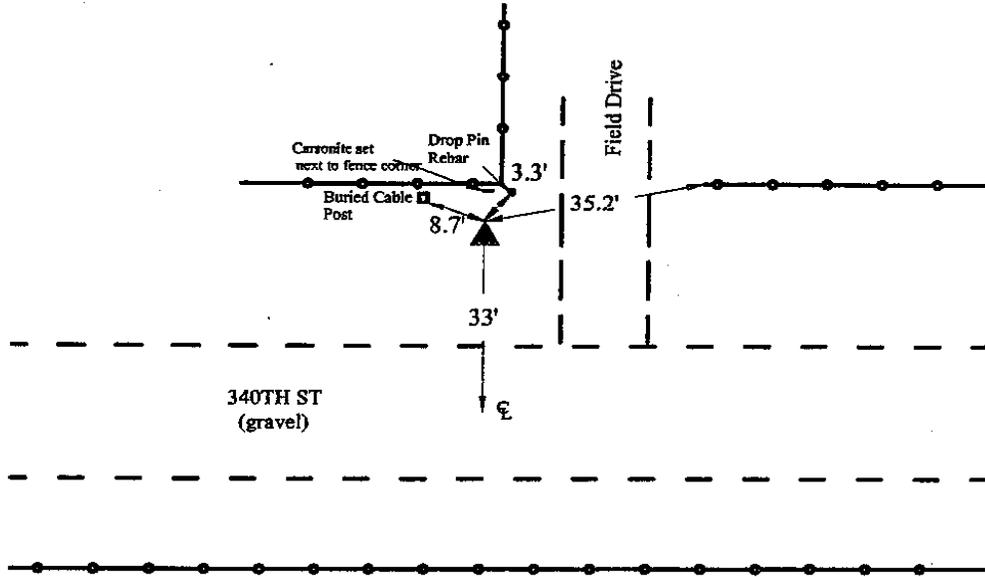
**Designation:** Lee Co. GPS Control Pt. 2001-016 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'56.91243"** Longitude: **W91°32'49.81383"**  
NAVD 88 Ortho Height: **537.860sft** Ellip. Ht: **428.865sft** **Geoid12A**

Iowa South Zone (1402) Northing: **175809.813sft** Easting: **2183762.245sft**  
Mapping Angle: **1°17'11"** Combination Scale Factor: **1.0000095800**

IaRCS Zone 14 Northing: **6278761.688sft** Easting: **24417310.745sft**  
Mapping Angle: **-0°11'34"** Combination Scale Factor: **1.0000053498**

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



4

**2001-016**  
BRS/RKE/SBS  
March 6, 2001

Set NGS style rod  
monument with  
access cover

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**2014**

Point Name: **17**

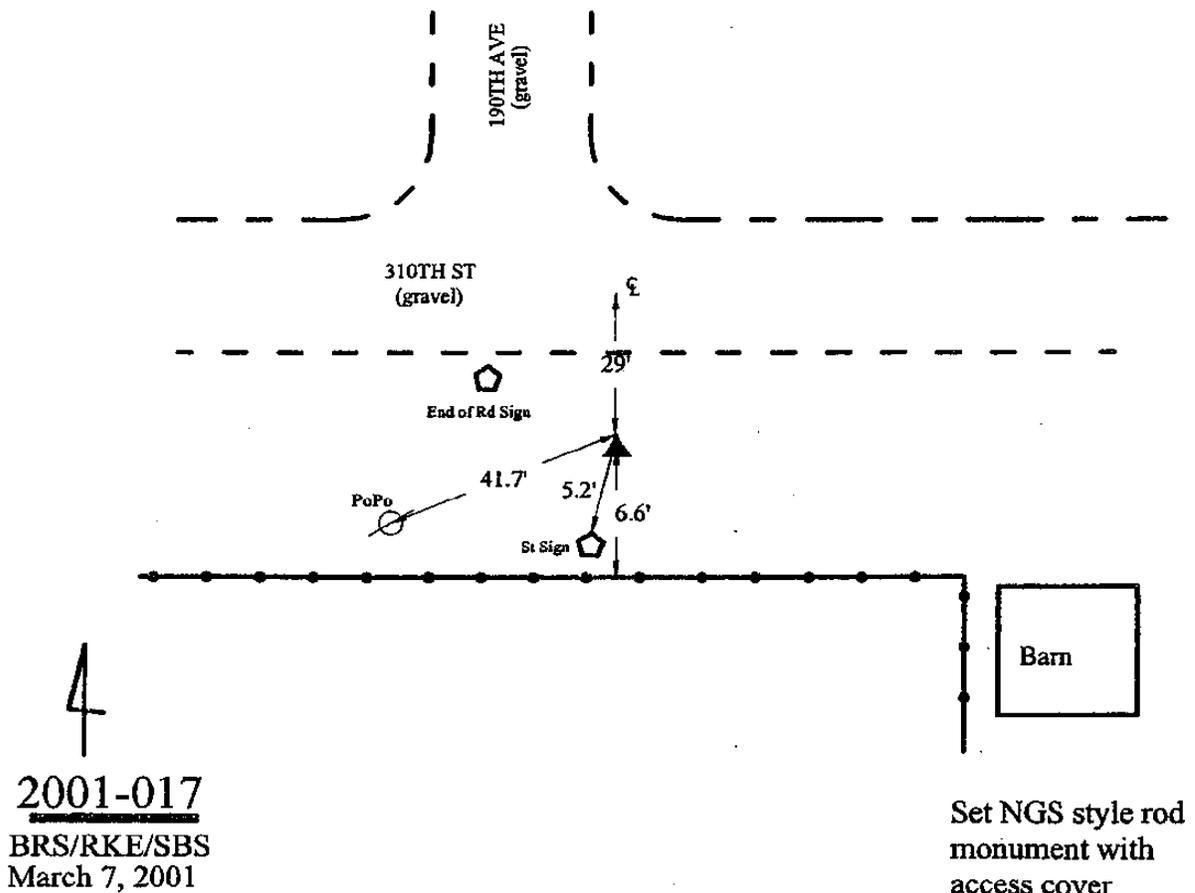
**Designation:** Lee Co. GPS Control Pt. 2001-017 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°30'35.47314"** Longitude: **W91°32'49.40516"**  
NAVD 88 Ortho Height: **619.760sft** Ellip. Ht: **510.712sft** **Geoid12A**

Iowa South Zone (1402) Northing: **191853.091sft** Easting: **2183433.576sft**  
Mapping Angle: **1°17'11"** Combination Scale Factor: **0.9999961956**

IaRCS Zone 14 Northing: **6294808.113sft** Easting: **24417396.350sft**  
Mapping Angle: **-0°11'35"** Combination Scale Factor: **1.0000014279**

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



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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **18**

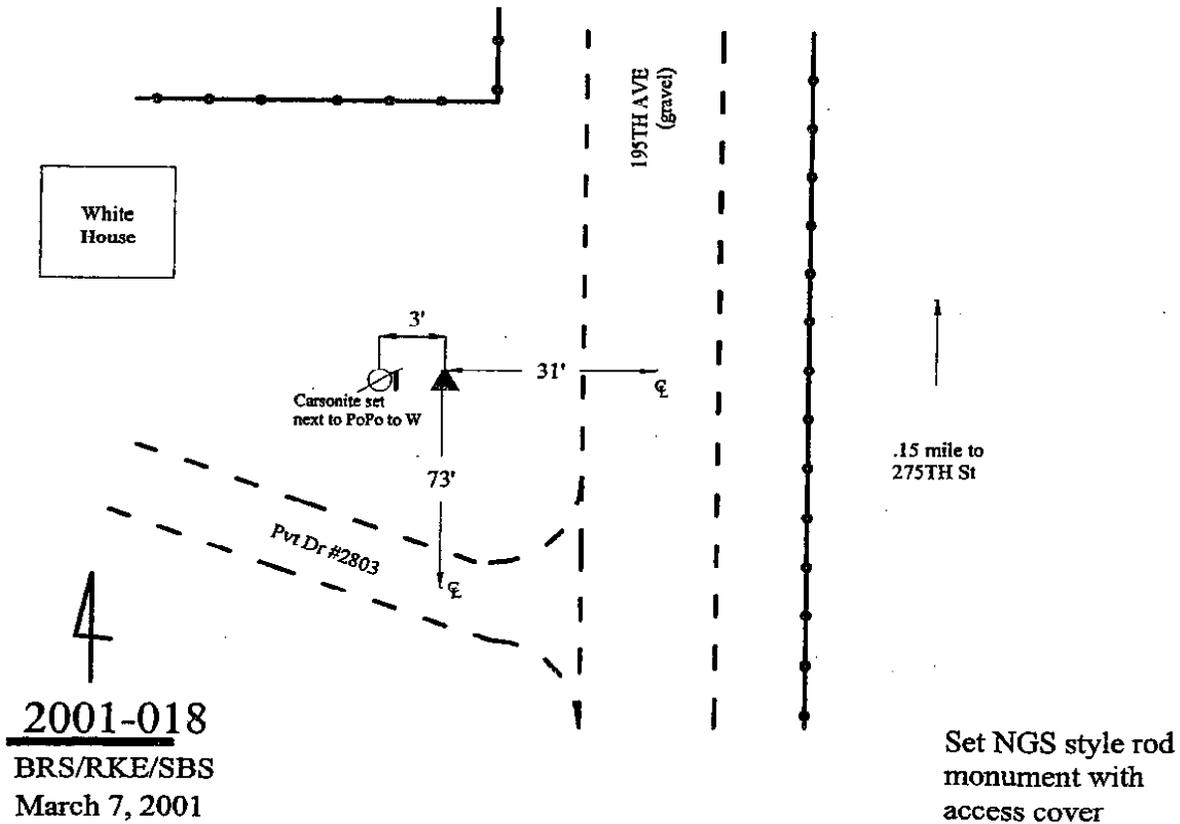
**Designation:** Lee Co. GPS Control Pt. 2001-018 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'11.52492"** Longitude: **W91°32'13.84358"**  
NAVD 88 Ortho Height: **645.900sft** Ellip. Ht: **536.807sft** **Geoid12A**

Iowa South Zone (1402) Northing: **207703.575sft** Easting: **2185823.414sft**  
Mapping Angle: **1°17'34"** Combination Scale Factor: **0.9999861905**

IaRCS Zone 14 Northing: **6310591.758sft** Easting: **24420194.664sft**  
Mapping Angle: **-0°11'12"** Combination Scale Factor: **0.9999996631**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **19**

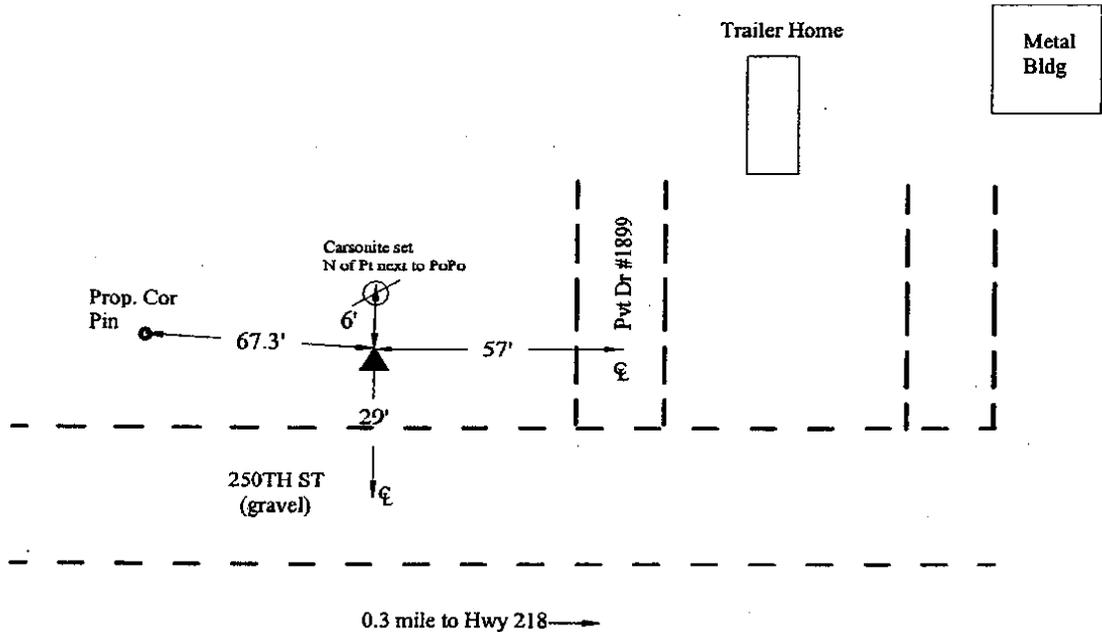
**Designation:** Lee Co. GPS Control Pt. 2001-019 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'51.25180"** Longitude: **W91°32'45.95159"**  
NAVD 88 Ortho Height: **693.060sft** Ellip. Ht: **583.986sft** **Geoid12A**

Iowa South Zone (1402) Northing: **223808.292sft** Easting: **2182982.475sft**  
Mapping Angle: **1°17'13"** Combination Scale Factor: **0.9999755578**

IaRCS Zone 14 Northing: **6326764.755sft** Easting: **24417770.490sft**  
Mapping Angle: **-0°11'34"** Combination Scale Factor: **0.9999978608**

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



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**2001-019**  
BRS/RKE/SBS  
March 7, 2001

Set NGS style rod monument with access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **20**

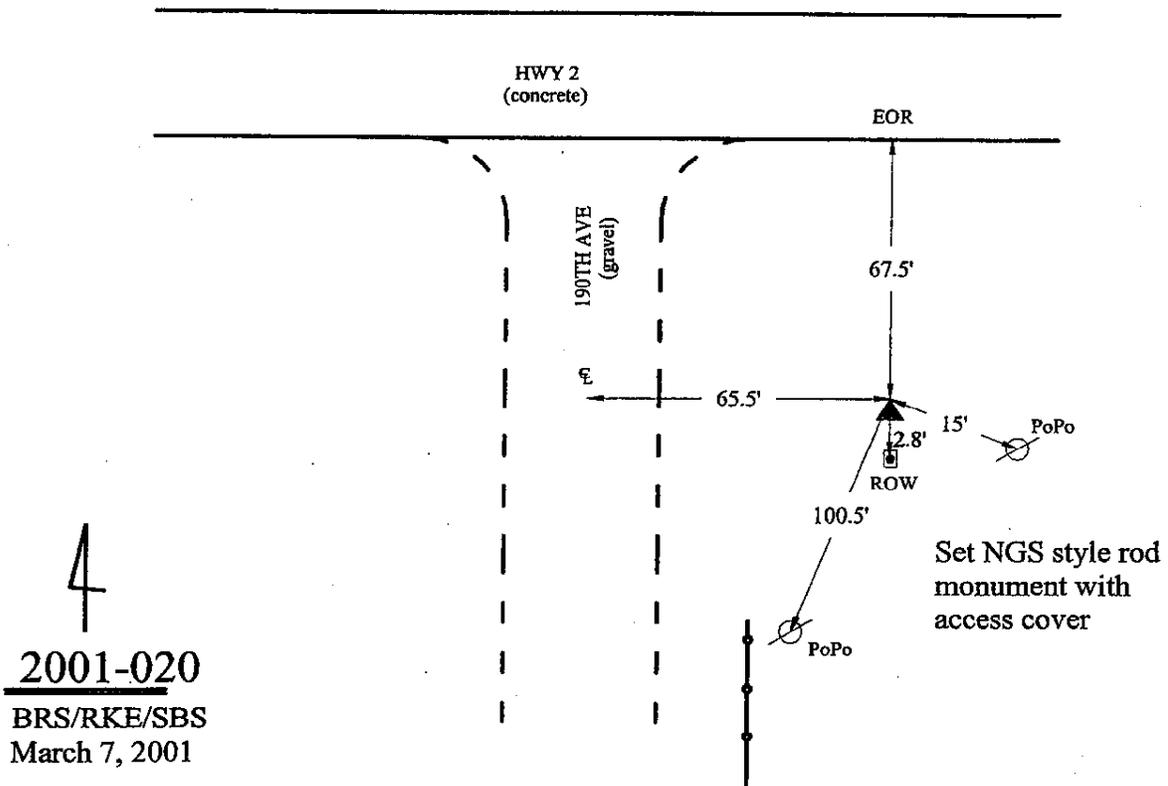
**Designation:** Lee Co. GPS Control Pt. 2001-020 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'19.62884"** Longitude: **W91°32'46.44374"**  
NAVD 88 Ortho Height: **680.180sft** Ellip. Ht: **571.136sft** **Geoid12A**

Iowa South Zone (1402) Northing: **238819.619sft** Easting: **2182607.267sft**  
Mapping Angle: **1°17'13"** Combination Scale Factor: **0.9999689156**

IaRCS Zone 14 Northing: **6341781.154sft** Easting: **24417783.068sft**  
Mapping Angle: **-0°11'35"** Combination Scale Factor: **0.9999984716**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **21**

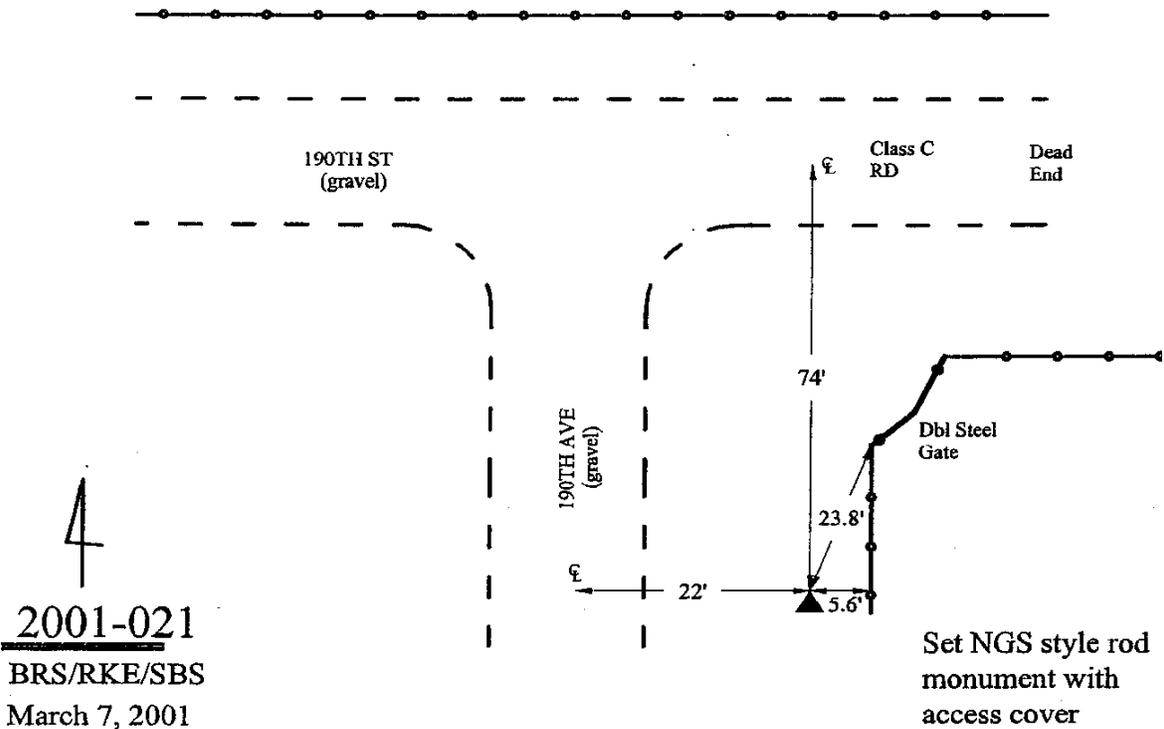
**Designation:** Lee Co. GPS Control Pt. 2001-021 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'56.34460"** Longitude: **W91°32'42.17721"**  
NAVD 88 Ortho Height: **673.630sft** Ellip. Ht: **564.640sft** **Geoid12A**

Iowa South Zone (1402) Northing: **254682.862sft** Easting: **2182579.681sft**  
Mapping Angle: **1°17'16"** Combination Scale Factor: **0.9999621176**

IaRCS Zone 14 Northing: **6357640.343sft** Easting: **24418165.212sft**  
Mapping Angle: **-0°11'32"** Combination Scale Factor: **0.9999987099**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **22**

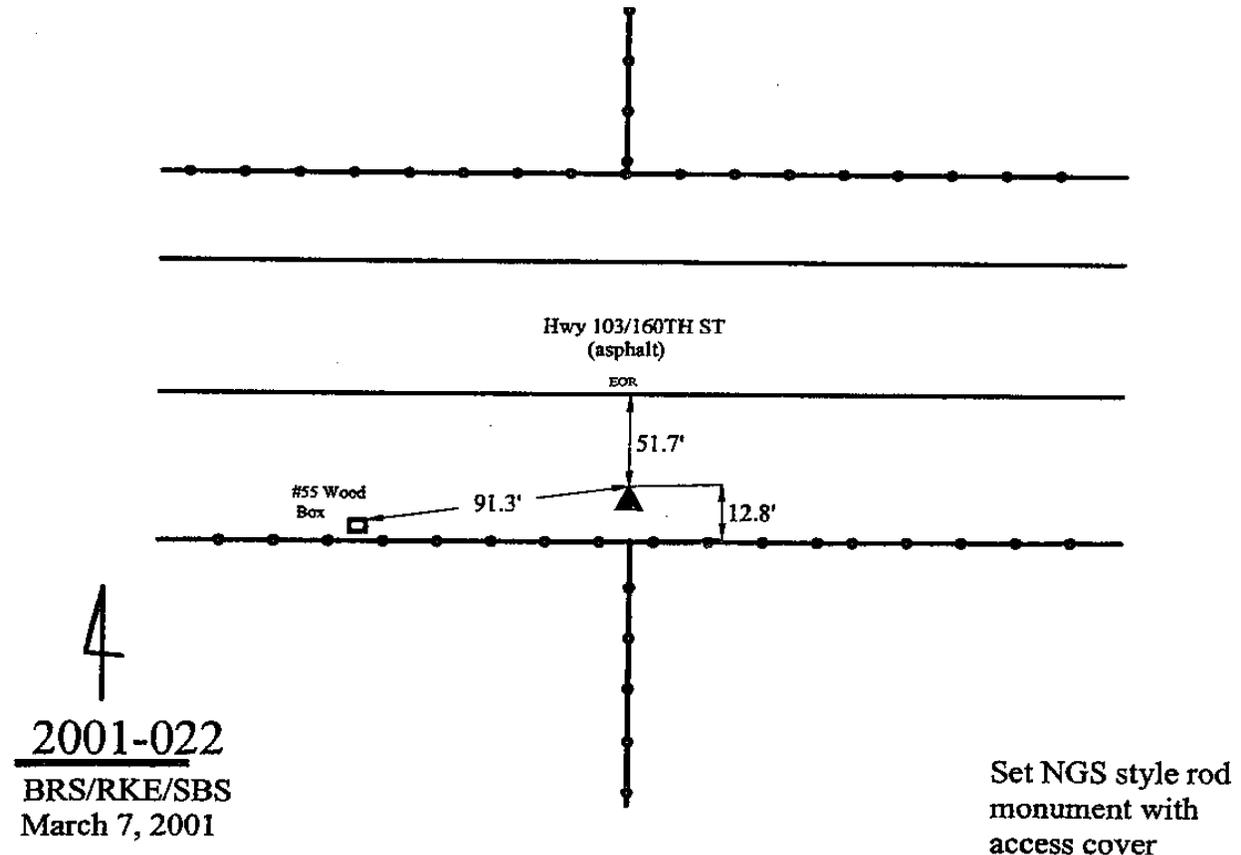
**Designation:** Lee Co. GPS Control Pt. 2001-022 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'32.91486"** Longitude: **W91°32'42.16763"**  
NAVD 88 Ortho Height: **693.700sft** Ellip. Ht: **584.780sft** **Geoid12A**

Iowa South Zone (1402) Northing: **270524.022sft** Easting: **2182224.328sft**  
Mapping Angle: **1°17'16"** Combination Scale Factor: **0.9999546249**

IaRCS Zone 14 Northing: **6373486.030sft** Easting: **24418219.165sft**  
Mapping Angle: **-0°11'33"** Combination Scale Factor: **0.9999977388**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **23**

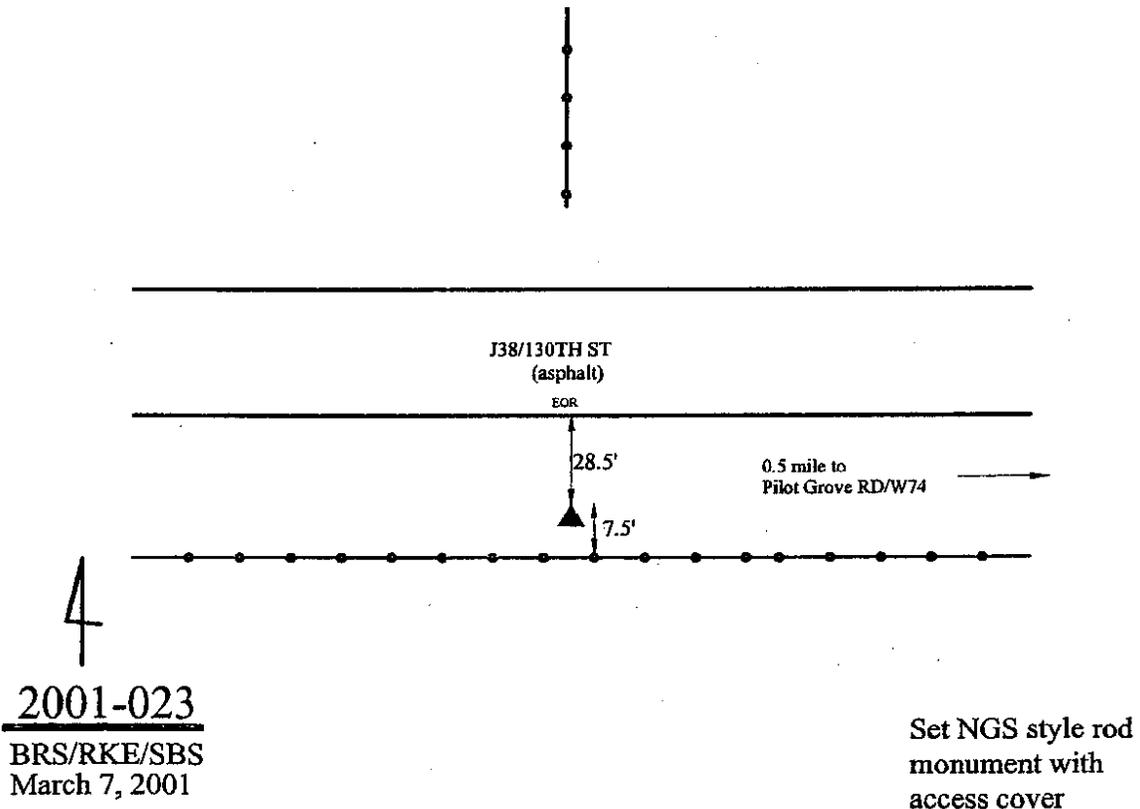
**Designation:** Lee Co. GPS Control Pt. 2001-023 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'10.75055"** Longitude: **W91°32'42.10621"**  
NAVD 88 Ortho Height: **637.240sft** Ellip. Ht: **528.370sft** **Geoid12A**

Iowa South Zone (1402) Northing: **286493.325sft** Easting: **2181870.082sft**  
Mapping Angle: **1°17'16"** Combination Scale Factor: **0.9999513088**

IaRCS Zone 14 Northing: **6389459.891sft** Easting: **24418277.583sft**  
Mapping Angle: **-0°11'34"** Combination Scale Factor: **1.0000004196**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **24**

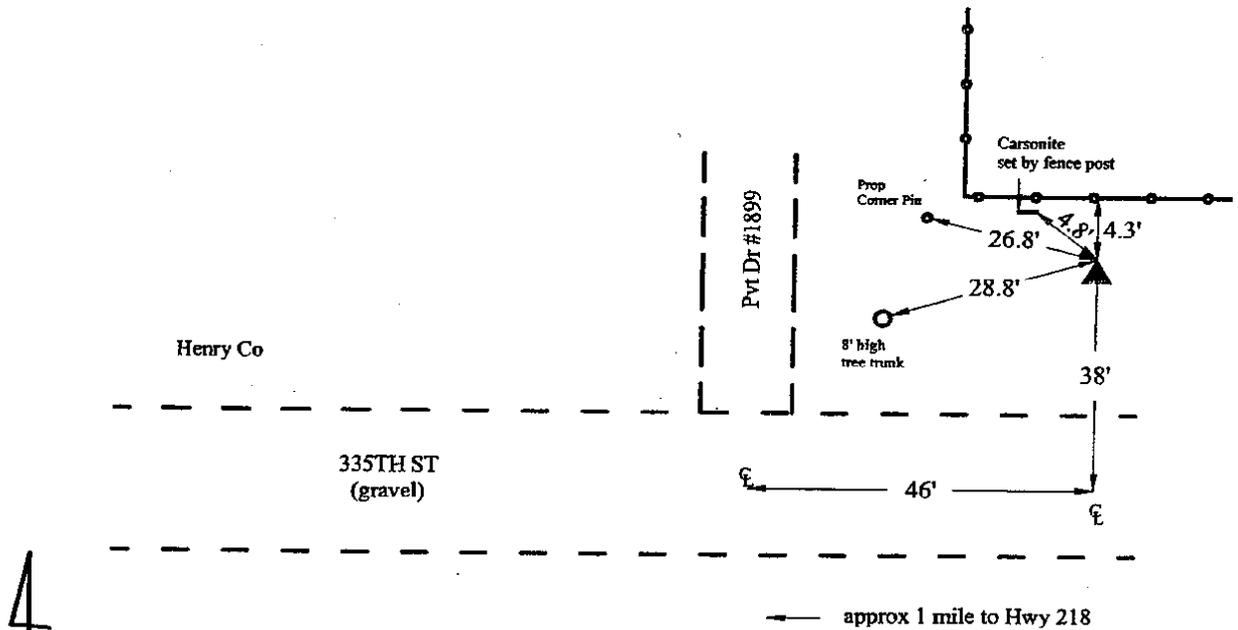
**Designation:** Lee Co. GPS Control Pt. 2001-024 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°49'15.33626"** Longitude: **W91°32'42.15610"**  
NAVD 88 Ortho Height: **689.150sft** Ellip. Ht: **580.347sft** **Geoid12A**

Iowa South Zone (1402) Northing: **305168.936sft** Easting: **2181446.435sft**  
Mapping Angle: **1°17'16"** Combination Scale Factor: **0.9999425379**

laRCS Zone 14 Northing: **6408141.191sft** Easting: **24418336.598sft**  
Mapping Angle: **-0°11'34"** Combination Scale Factor: **0.9999979283**

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



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**2001-024**  
**BRS/RKE/SBS**  
**March 6, 2001**

**Set NGS style rod monument with access cover**

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **25**

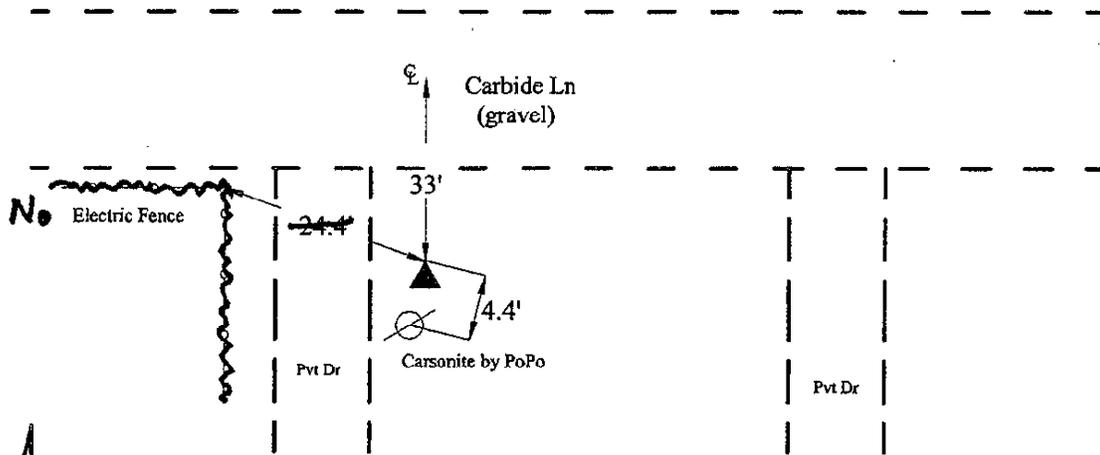
**Designation:** Lee Co. GPS Control Pt. 2001-025 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°25'20.93164"** Longitude: **W91°29'34.28478"**  
NAVD 88 Ortho Height: **540.670sft** Ellip. Ht: **431.741sft** **Geoid12A**

Iowa South Zone (1402) Northing: **160372.452sft** Easting: **2199235.773sft**  
Mapping Angle: **1°19'20"** Combination Scale Factor: **1.0000193354**

IaRCS Zone 14 Northing: **6262930.155sft** Easting: **24432380.407sft**  
Mapping Angle: **-0°09'27"** Combination Scale Factor: **1.0000026234**

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



**4**  
**2001-025**  
**BRS/RKE/SBS**  
**March 7, 2001**



**Set NGS style rod monument with access cover**

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **26**

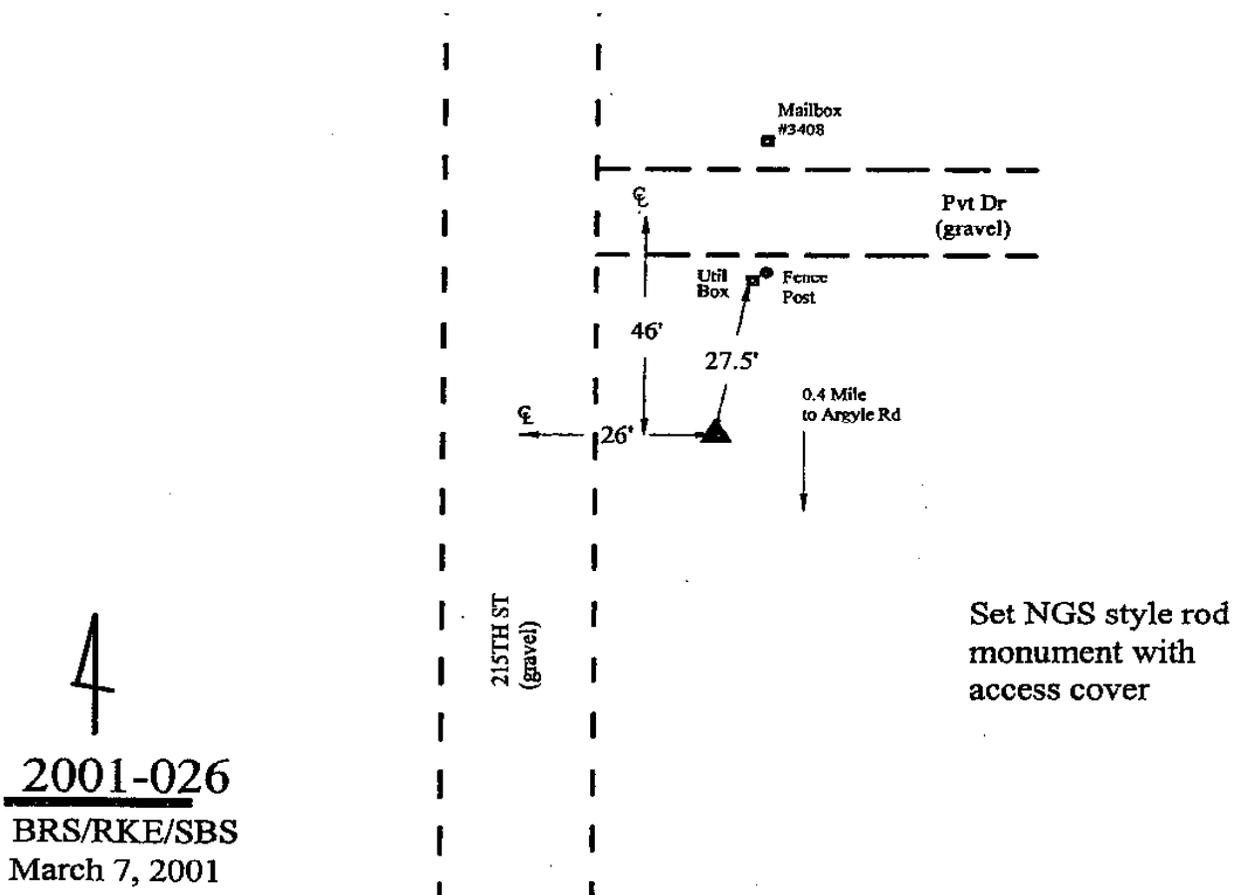
**Designation:** Lee Co. GPS Control Pt. 2001-026 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'53.60162"** Longitude: **W91°30'02.84137"**  
NAVD 88 Ortho Height: **611.460sft** Ellip. Ht: **502.432sft** **Geoid12A**

Iowa South Zone (1402) Northing: **175768.005sft** Easting: **2196672.585sft**  
Mapping Angle: **1°19'01"** Combination Scale Factor: **1.0000062735**

IaRCS Zone 14 Northing: **6278386.580sft** Easting: **24430215.631sft**  
Mapping Angle: **-0°09'46"** Combination Scale Factor: **0.9999995901**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **27**

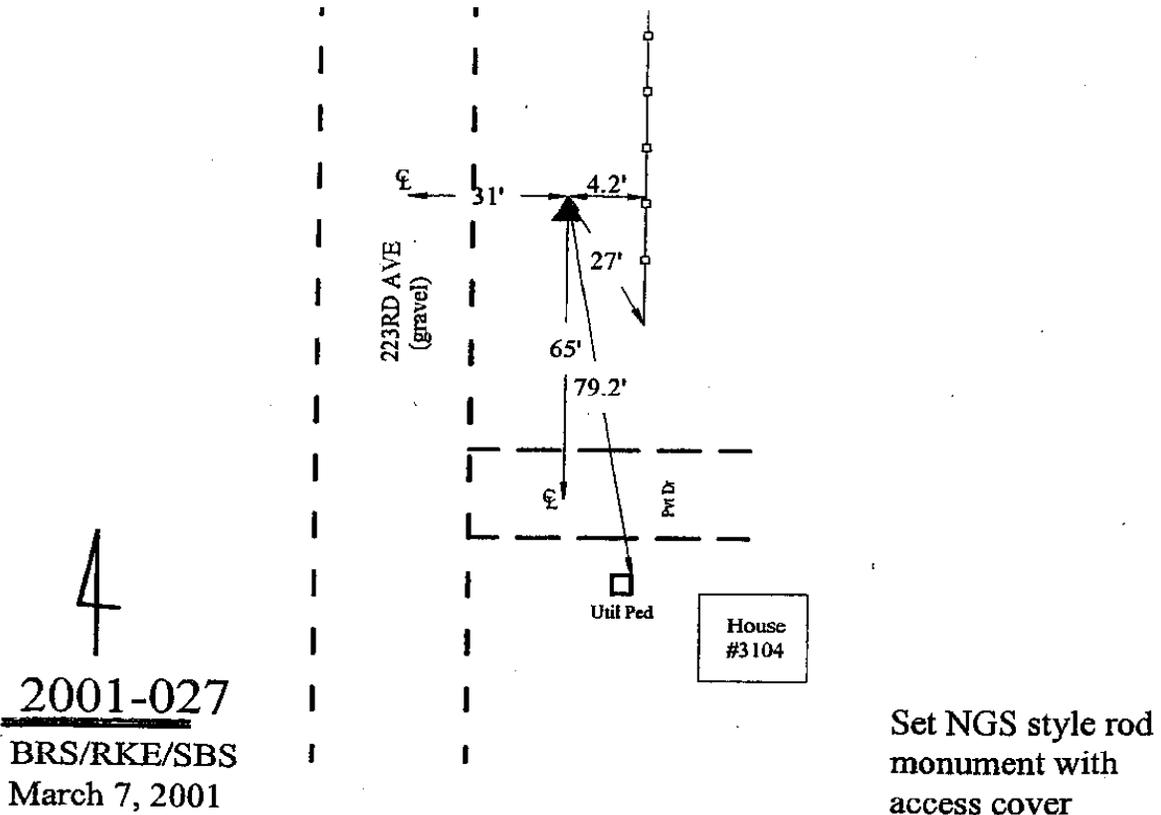
**Designation:** Lee Co. GPS Control Pt. 2001-027 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°30'31.73664"** Longitude: **W91°28'51.01909"**  
NAVD 88 Ortho Height: **686.710sft** Ellip. Ht: **577.608sft** **Geoid12A**

Iowa South Zone (1402) Northing: **191895.448sft** Easting: **2201851.151sft**  
Mapping Angle: **1°19'48"** Combination Scale Factor: **0.9999932199**

IaRCS Zone 14 Northing: **6294374.872sft** Easting: **24435808.941sft**  
Mapping Angle: **-0°09'00"** Combination Scale Factor: **0.9999951461**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **28**

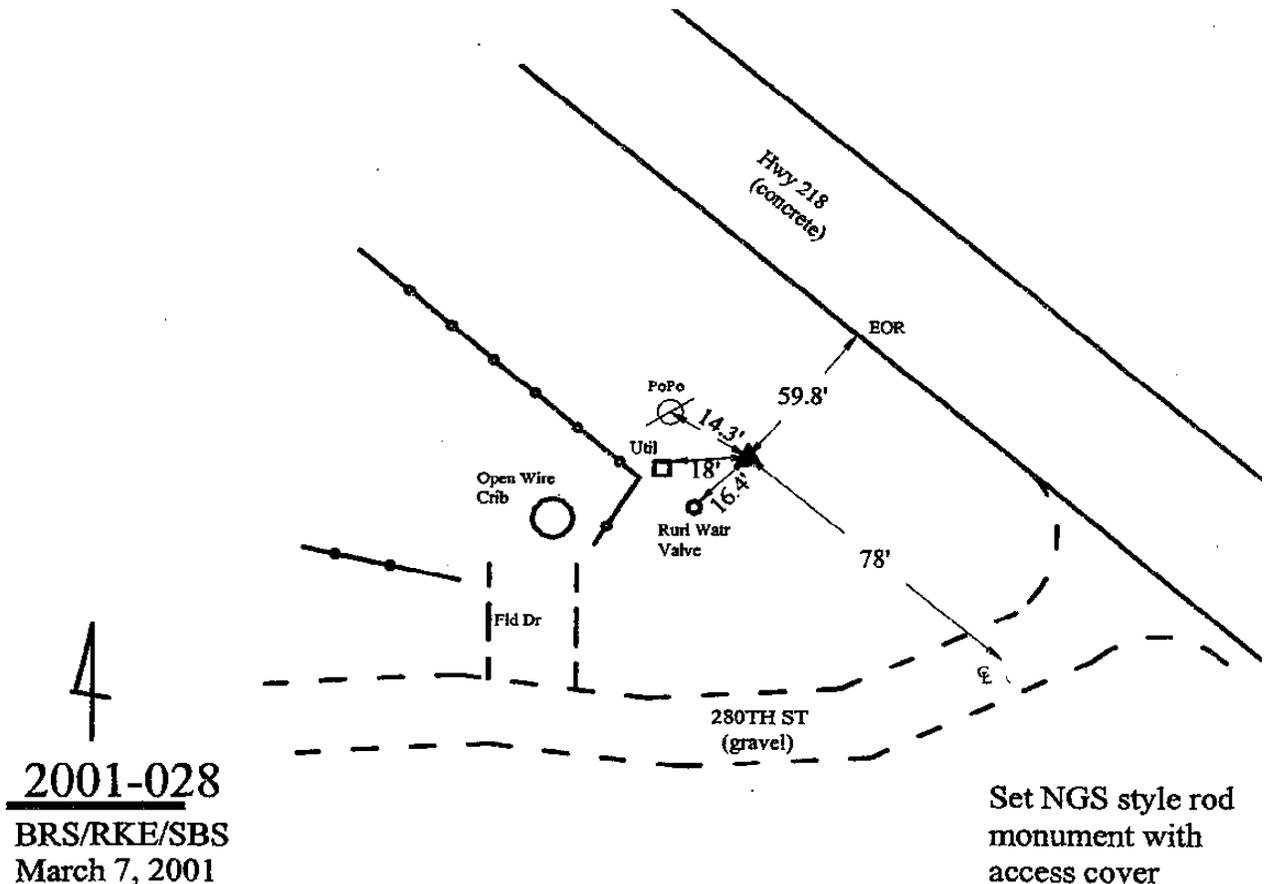
**Designation:** Lee Co. GPS Control Pt. 2001-028 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'13.28385"** Longitude: **W91°29'43.73768"**  
NAVD 88 Ortho Height: **693.410sft** Ellip. Ht: **584.287sft** **Geoid12A**

Iowa South Zone (1402) Northing: **208145.757sft** Easting: **2197403.323sft**  
Mapping Angle: **1°19'13"** Combination Scale Factor: **0.9999838293**

IaRCS Zone 14 Northing: **6310734.748sft** Easting: **24431782.275sft**  
Mapping Angle: **-0°09'35"** Combination Scale Factor: **0.9999954369**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **29**

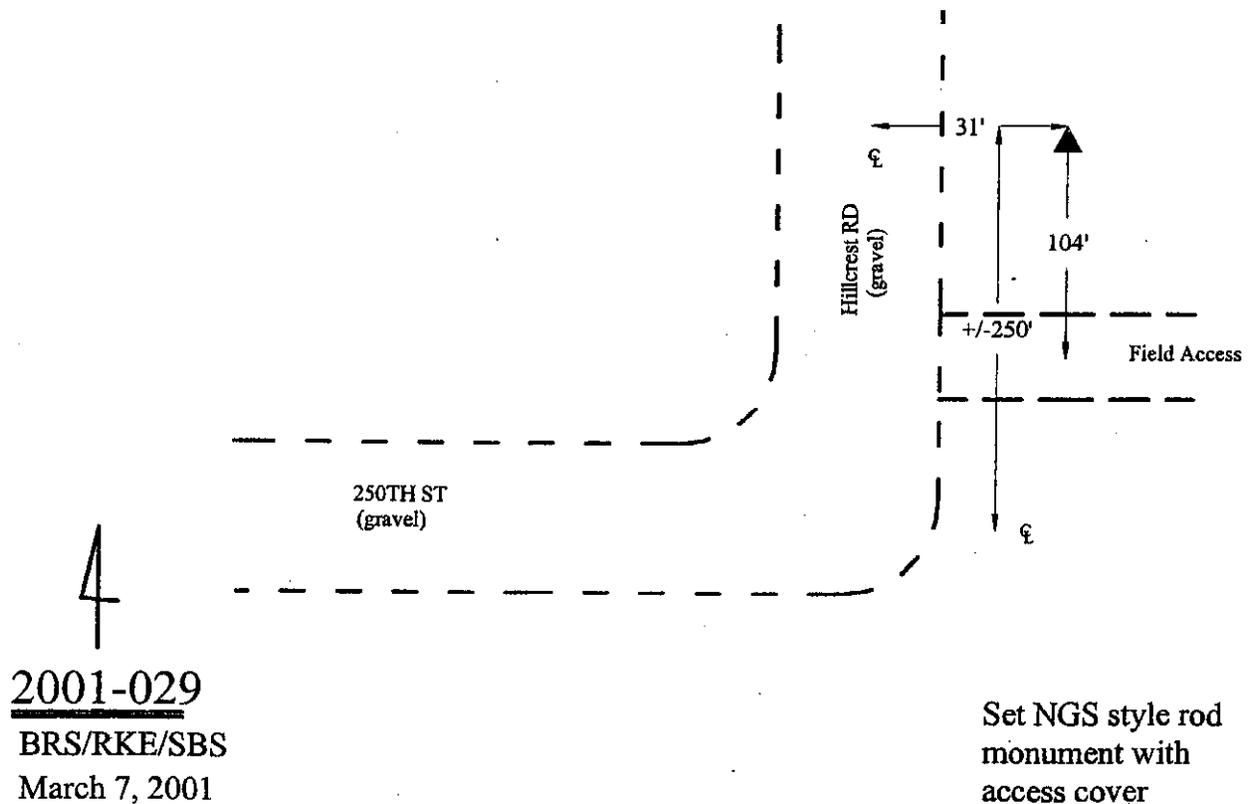
**Designation:** Lee Co. GPS Control Pt. 2001-029 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'51.65984"** Longitude: **W91°30'25.92030"**  
NAVD 88 Ortho Height: **687.250sft** Ellip. Ht: **578.145sft** **Geoid12A**

Iowa South Zone (1402) Northing: **224094.619sft** Easting: **2193780.862sft**  
Mapping Angle: **1°18'46"** Combination Scale Factor: **0.9999758159**

IaRCS Zone 14 Northing: **6326772.108sft** Easting: **24428572.900sft**  
Mapping Angle: **-0°10'03"** Combination Scale Factor: **0.9999962423**

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





**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **31**

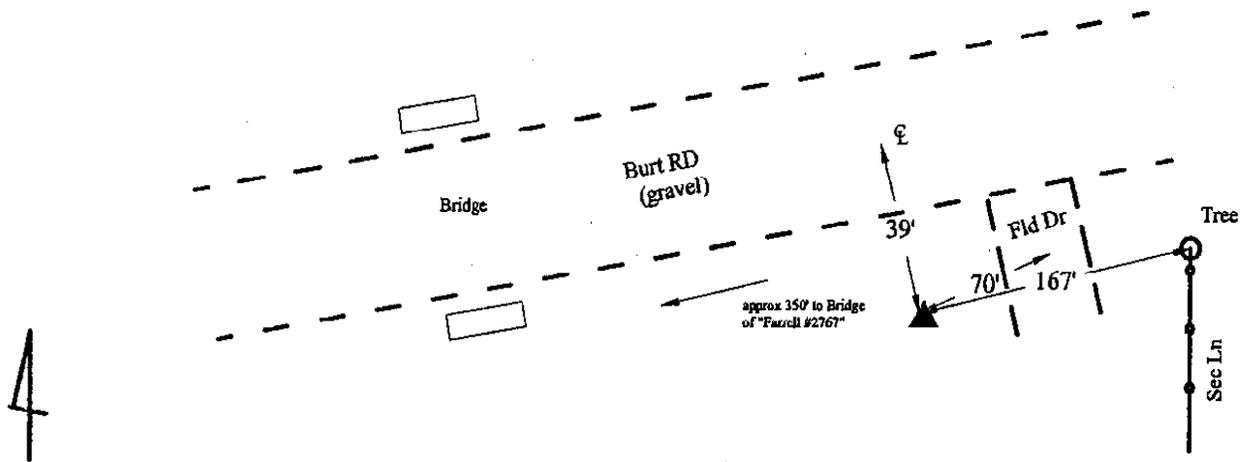
**Designation:** Lee Co. GPS Control Pt. 2001-031 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'44.96997"** Longitude: **W91°29'17.74746"**  
NAVD 88 Ortho Height: **568.570sft** Ellip. Ht: **459.528sft** **Geoid12A**

Iowa South Zone (1402) Northing: **253891.126sft** Easting: **2198351.906sft**  
Mapping Angle: **1°19'30"** Combination Scale Factor: **0.9999676300**

IaRCS Zone 14 Northing: **6356441.396sft** Easting: **24433912.271sft**  
Mapping Angle: **-0°09'19"** Combination Scale Factor: **1.0000010634**

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



**4**  
**2001-031**  
**BRS/RKE/SBS**  
**March 7, 2001**

**Set NGS style rod  
monument with  
access cover**

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **32**

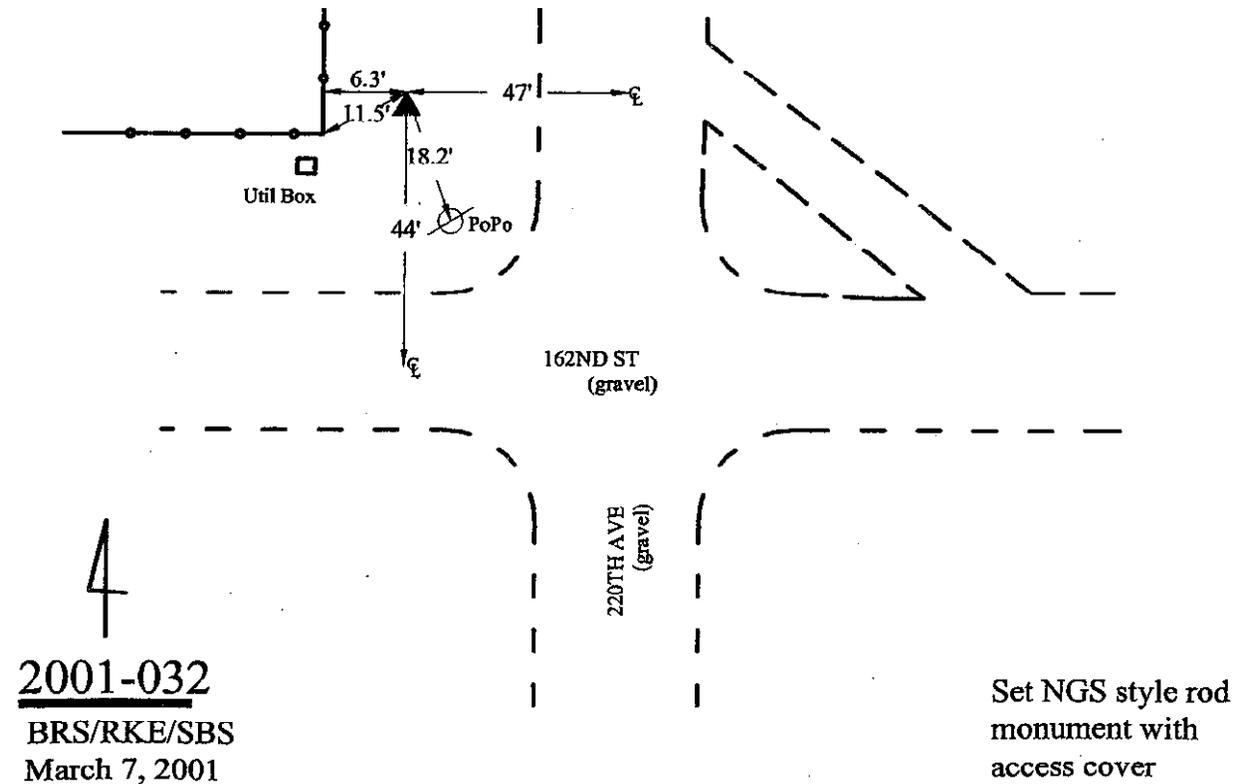
**Designation:** Lee Co. GPS Control Pt. 2001-032 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'33.53146"** Longitude: **W91°29'16.24370"**  
NAVD 88 Ortho Height: **704.170sft** Ellip. Ht: **595.218sft** **Geoid12A**

Iowa South Zone (1402) Northing: **270947.918sft** Easting: **2198073.154sft**  
Mapping Angle: **1°19'31"** Combination Scale Factor: **0.9999541022**

IaRCS Zone 14 Northing: **6373500.327sft** Easting: **24434074.314sft**  
Mapping Angle: **-0°09'19"** Combination Scale Factor: **0.9999945639**

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



**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **33**

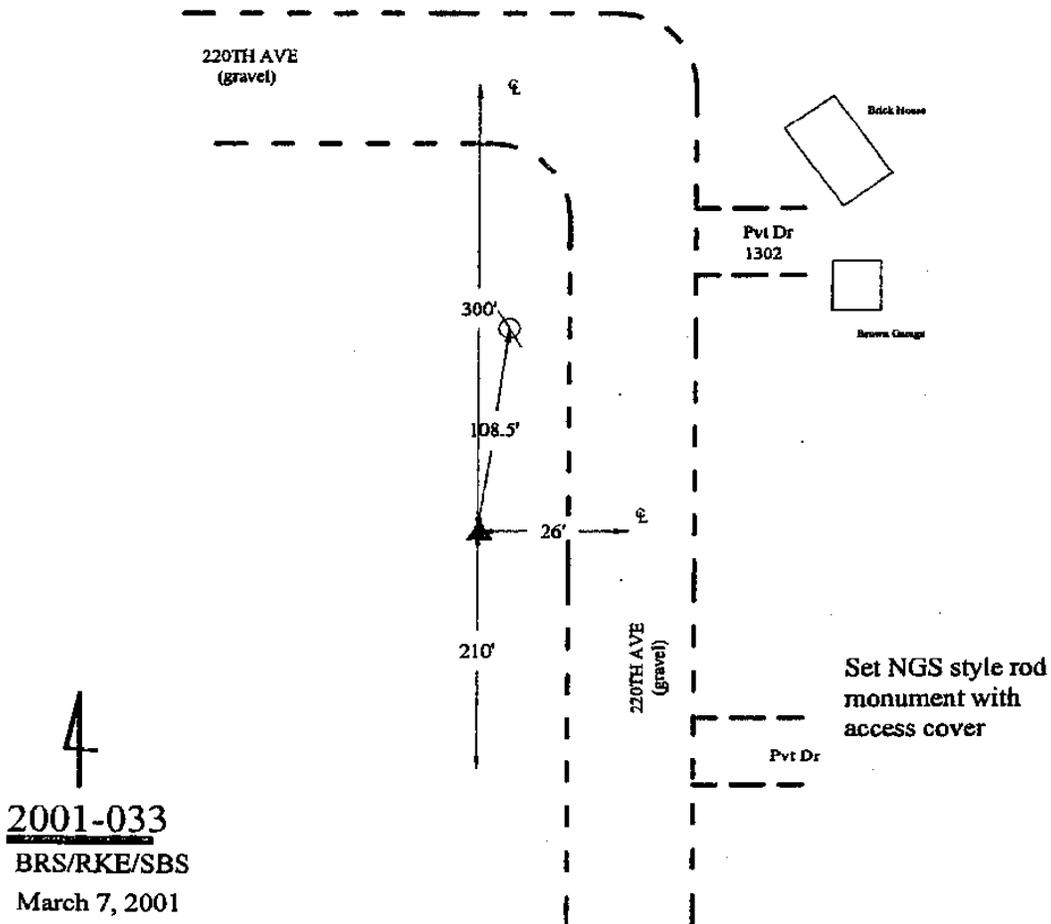
**Designation:** Lee Co. GPS Control Pt. 2001-033 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'07.77402"** Longitude: **W91°29'15.75061"**  
NAVD 88 Ortho Height: **710.810sft** Ellip. Ht: **601.916sft** **Geoid12A**

Iowa South Zone (1402) Northing: **286554.219sft** Easting: **2197750.022sft**  
Mapping Angle: **1°19'32"** Combination Scale Factor: **0.9999479074**

IaRCS Zone 14 Northing: **6389110.445sft** Easting: **24434154.552sft**  
Mapping Angle: **-0°09'19"** Combination Scale Factor: **0.9999942323**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **34**

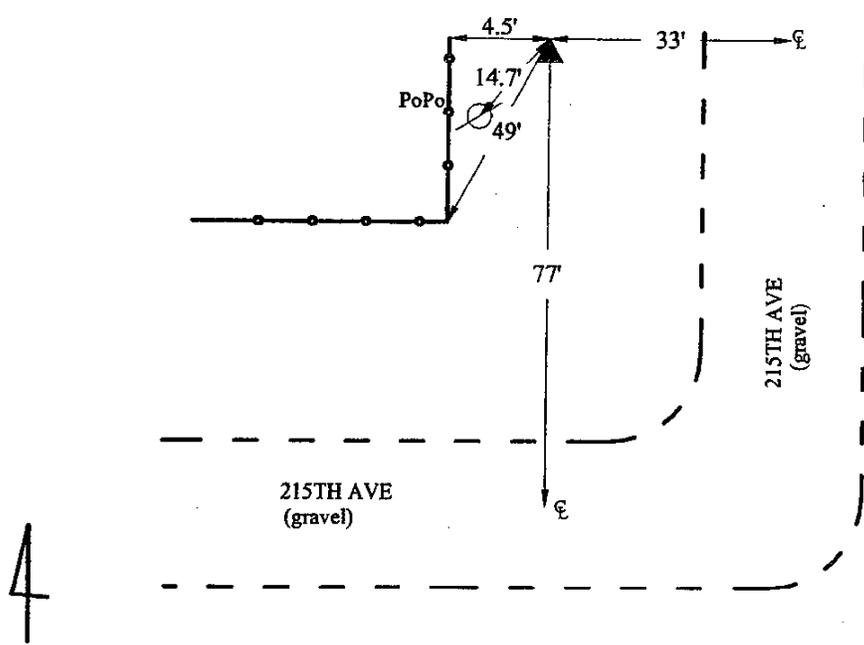
**Designation:** Lee Co. GPS Control Pt. 2001-034 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°48'48.54603"** Longitude: **W91°29'32.48710"**  
NAVD 88 Ortho Height: **711.310sft** Ellip. Ht: **602.455sft** **Geoid12A**

Iowa South Zone (1402) Northing: **302790.552sft** Easting: **2196087.135sft**  
Mapping Angle: **1°19'21"** Combination Scale Factor: **0.9999423469**

IaRCS Zone 14 Northing: **6405385.129sft** Easting: **24432911.733sft**  
Mapping Angle: **-0°09'30"** Combination Scale Factor: **0.9999943954**

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



**2001-034**  
BRS/RKE/SBS  
March 7, 2001

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **35**

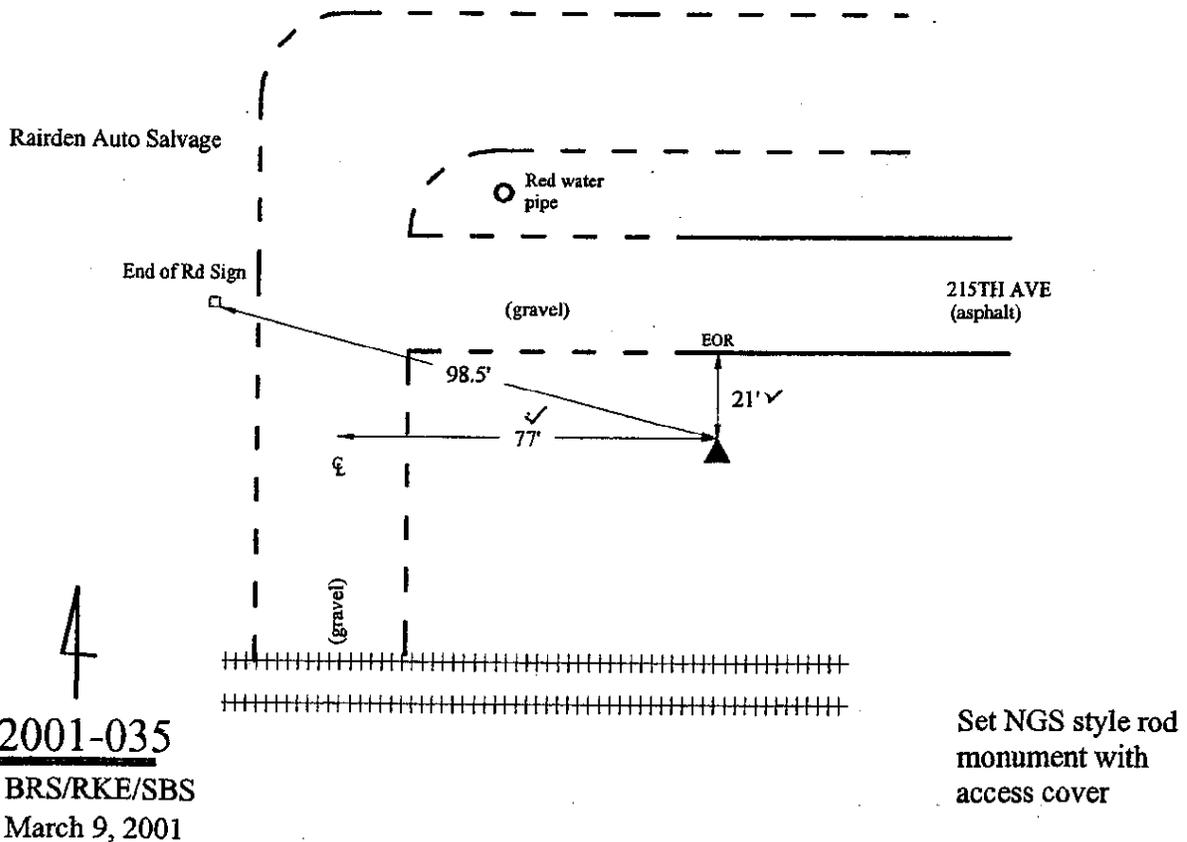
**Designation:** Lee Co. GPS Control Pt. 2001-035 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'13.92802"** Longitude: **W91°25'53.10153"**  
NAVD 88 Ortho Height: **500.440sft** Ellip. Ht: **391.582sft** **Geoid12A**

Iowa South Zone (1402) Northing: **147923.804sft** Easting: **2216644.003sft**  
Mapping Angle: **1°21'45"** Combination Scale Factor: **1.0000297228**

IaRCS Zone 14 Northing: **6250036.371sft** Easting: **24449460.962sft**  
Mapping Angle: **-0°07'03"** Combination Scale Factor: **1.0000022329**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **36**

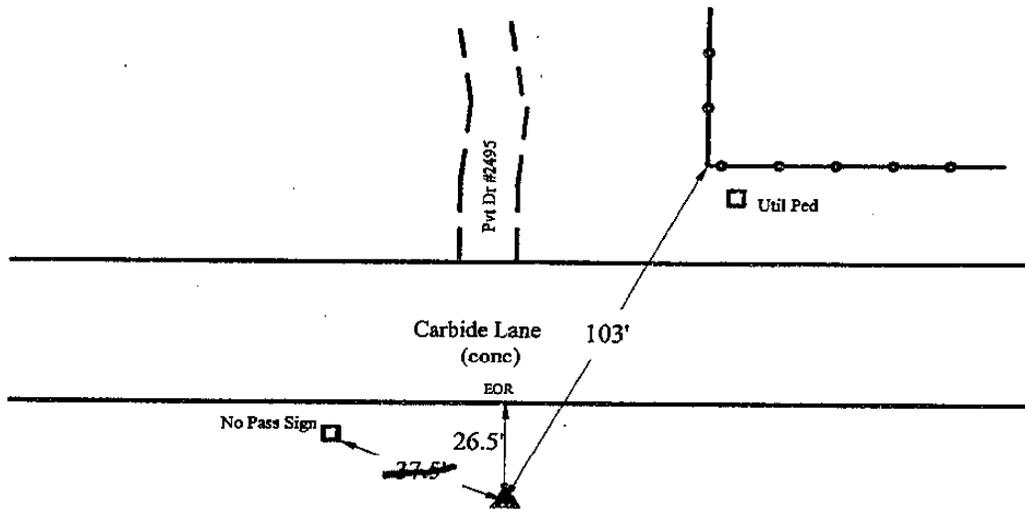
**Designation:** Lee Co. GPS Control Pt. 2001-036 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°25'18.01637"** Longitude: **W91°26'10.23872"**  
NAVD 88 Ortho Height: **593.950sft** Ellip. Ht: **485.004sft** **Geoid12A**

Iowa South Zone (1402) Northing: **160446.778sft** Easting: **2215020.275sft**  
Mapping Angle: **1°21'34"** Combination Scale Factor: **1.0000169839**

IaRCS Zone 14 Northing: **6262596.817sft** Easting: **24448161.281sft**  
Mapping Angle: **-0°07'15"** Combination Scale Factor: **0.9999979269**

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



4  
2001-036  
BRS/RKE/SBS  
March 9, 2001

Set NGS style rod  
monument with  
access cover

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **37**

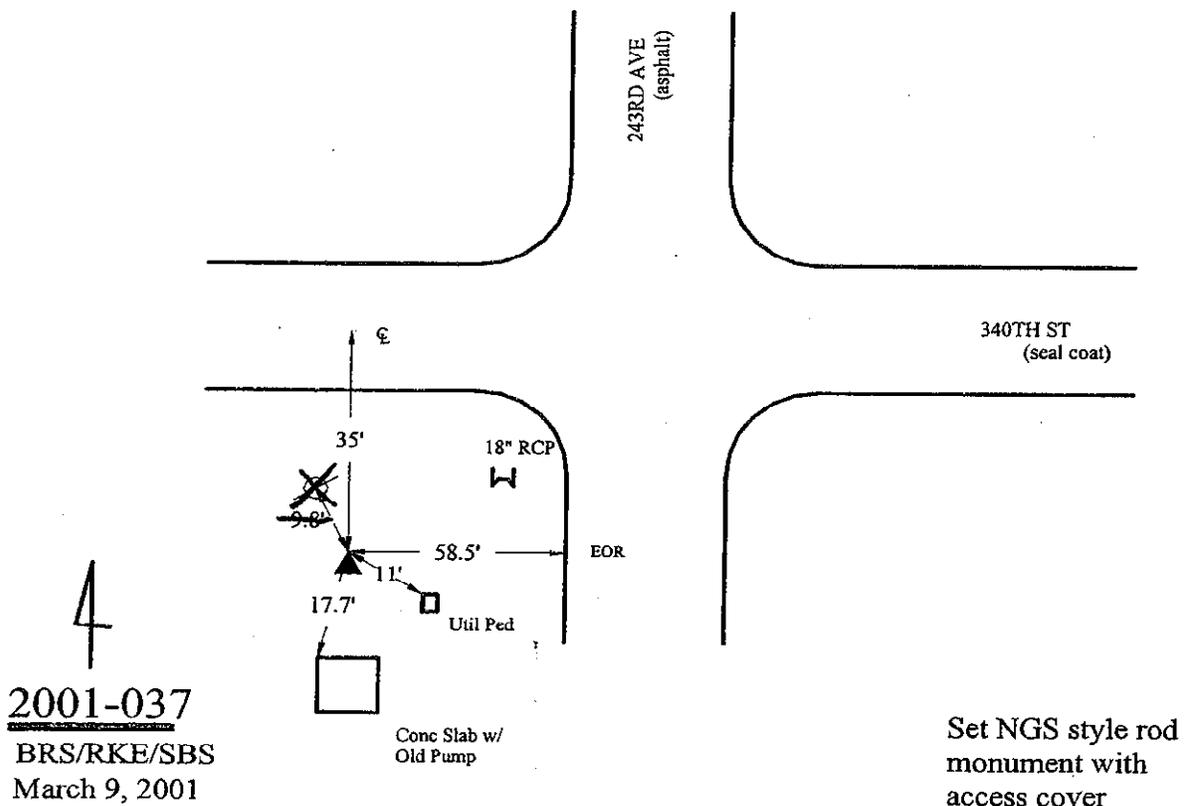
**Designation:** Lee Co. GPS Control Pt. 2001-037 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'54.82164"** Longitude: **W91°26'56.16284"**  
NAVD 88 Ortho Height: **660.930sft** Ellip. Ht: **551.881sft** **Geoid12A**

Iowa South Zone (1402) Northing: **176227.352sft** Easting: **2211095.093sft**  
Mapping Angle: **1°21'04"** Combination Scale Factor: **1.0000038385**

IaRCS Zone 14 Northing: **6278473.295sft** Easting: **24444645.080sft**  
Mapping Angle: **-0°07'45"** Combination Scale Factor: **0.9999951664**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **38**

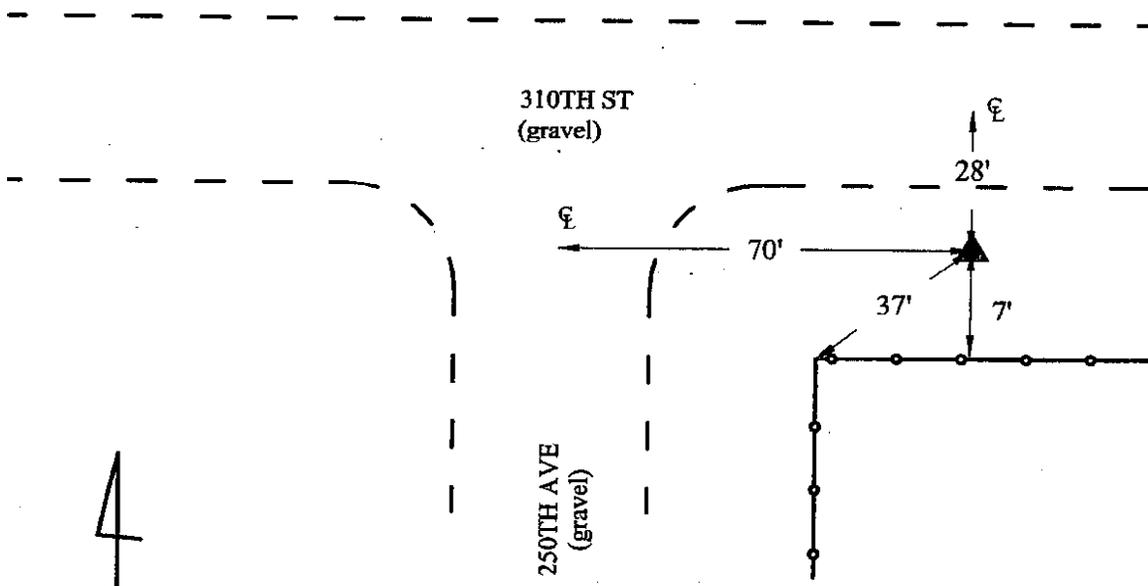
**Designation:** Lee Co. GPS Control Pt. 2001-038 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°30'30.99673"** Longitude: **W91°25'59.89840"**  
NAVD 88 Ortho Height: **647.950sft** Ellip. Ht: **538.820sft** **Geoid12A**

Iowa South Zone (1402) Northing: **192131.006sft** Easting: **2215067.325sft**  
Mapping Angle: **1°21'41"** Combination Scale Factor: **0.9999951138**

IaRCS Zone 14 Northing: **6294268.961sft** Easting: **24449026.803sft**  
Mapping Angle: **-0°07'09"** Combination Scale Factor: **0.9999952571**

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



**2001-038**

**BRS/RKE/SBS**  
**March 9, 2001**

Set NGS style rod  
monument with  
access cover

**Lee County, Iowa**  
 Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
 Iowa State Plane South Zone (1402)  
 Iowa Regional Coordinate System Zone 14 Burlington  
 US Survey Feet  
**2014**

Point Name: **39**

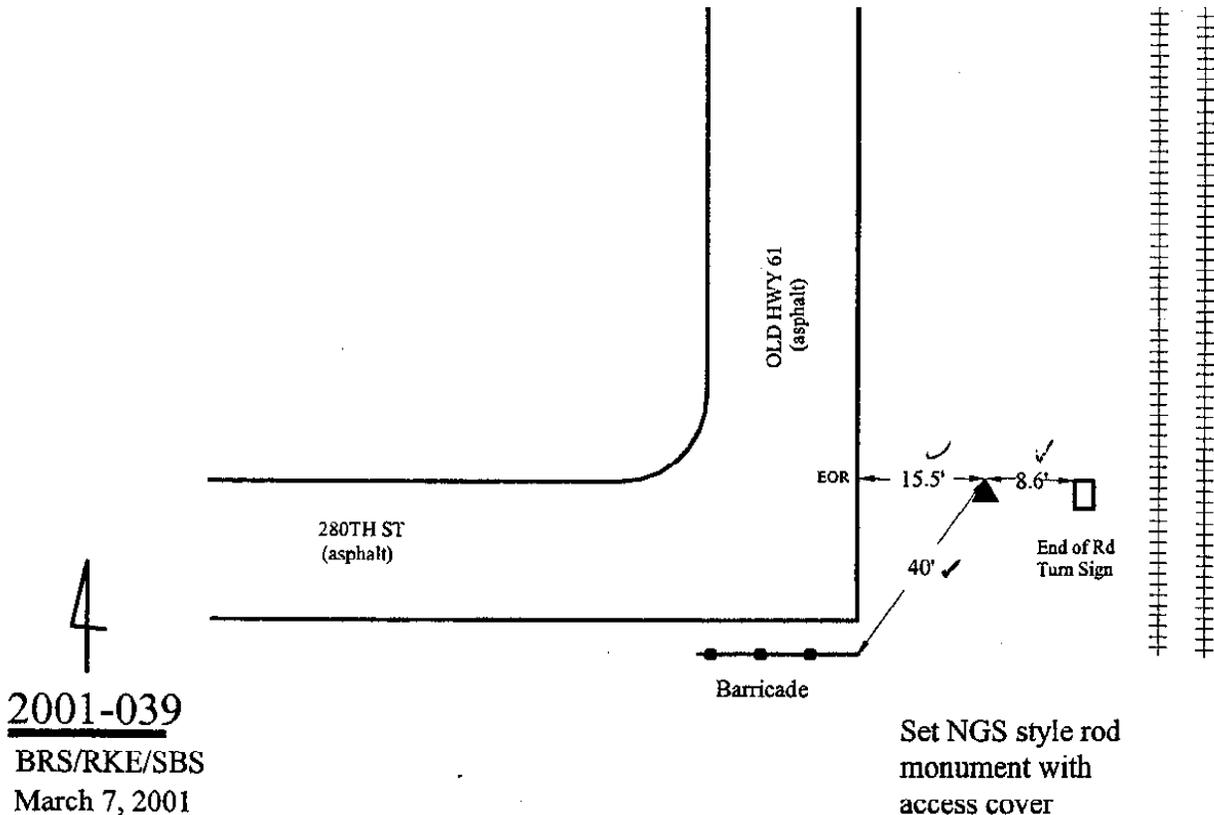
**Designation:** Lee Co. GPS Control Pt. 2001-039 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'07.80351"** Longitude: **W91°25'40.52769"**  
 NAVD 88 Ortho Height: **542.862sft** Ellip. Ht: **433.675sft** **Geoid12A**

Iowa South Zone (1402) Northing: **208031.187sft** Easting: **2216185.185sft**  
 Mapping Angle: **1°21'54"** Combination Scale Factor: **0.9999913141**

IaRCS Zone 14 Northing: **6310135.025sft** Easting: **24450555.100sft**  
 Mapping Angle: **-0°06'56"** Combination Scale Factor: **1.0000000992**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **40**

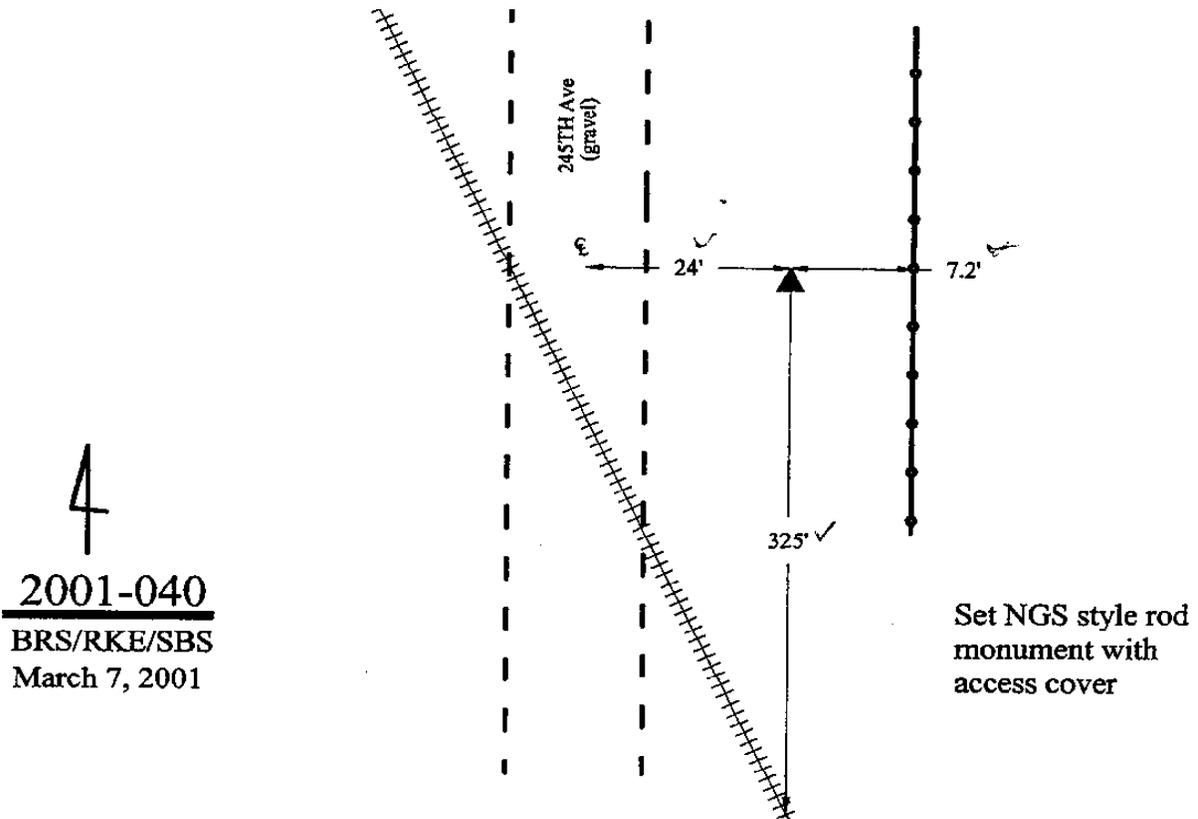
**Designation:** Lee Co. GPS Control Pt. 2001-040 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'47.22649"** Longitude: **W91°26'25.91240"**  
NAVD 88 Ortho Height: **556.890sft** Ellip. Ht: **447.711sft** **Geoid12A**

Iowa South Zone (1402) Northing: **224077.307sft** Easting: **2212300.807sft**  
Mapping Angle: **1°21'24"** Combination Scale Factor: **0.9999822646**

IaRCS Zone 14 Northing: **6326276.365sft** Easting: **24447086.568sft**  
Mapping Angle: **-0°07'26"** Combination Scale Factor: **0.9999998353**

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



**4**  
**2001-040**  
**BRS/RKE/SBS**  
**March 7, 2001**

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **41**

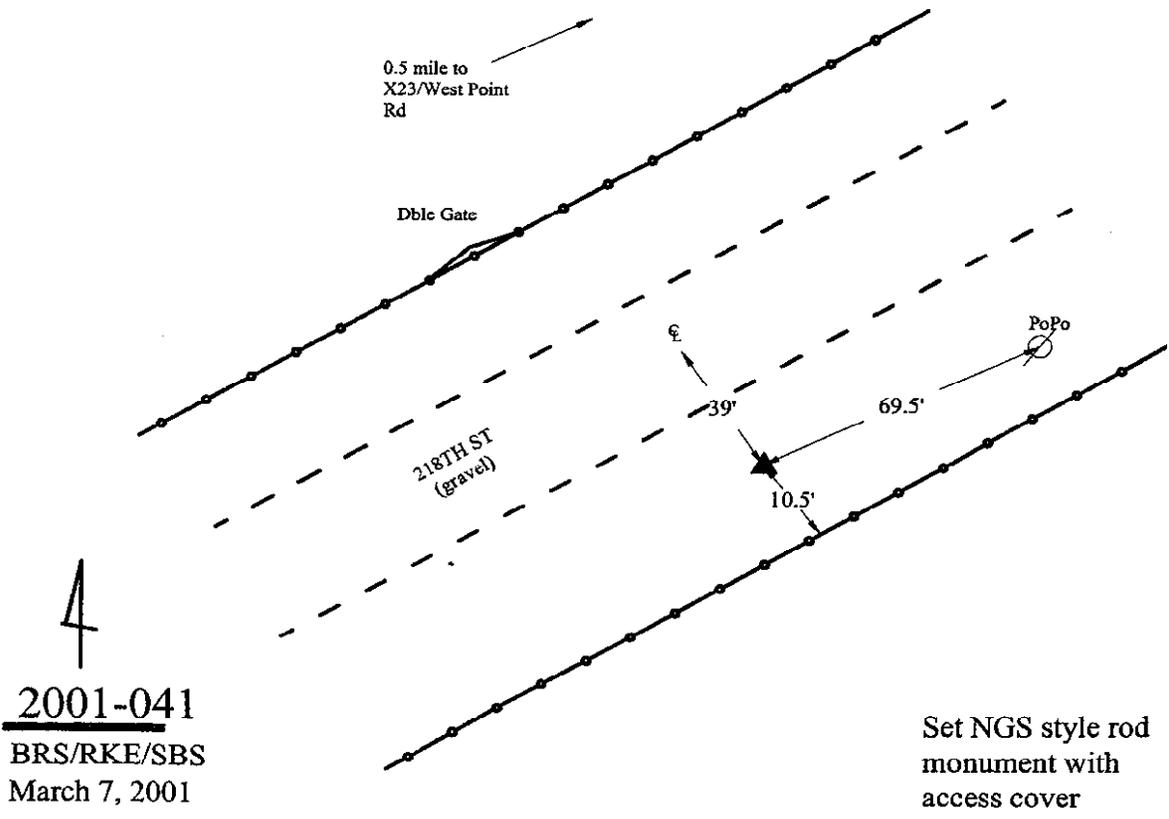
**Designation:** Lee Co. GPS Control Pt. 2001-041 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'15.96095"** Longitude: **W91°25'56.32163"**  
NAVD 88 Ortho Height: **684.790sft** Ellip. Ht: **575.663sft** **Geoid12A**

Iowa South Zone (1402) Northing: **239179.341sft** Easting: **2214225.082sft**  
Mapping Angle: **1°21'43"** Combination Scale Factor: **0.9999688729**

IaRCS Zone 14 Northing: **6341323.952sft** Easting: **24449400.473sft**  
Mapping Angle: **-0°07'07"** Combination Scale Factor: **0.9999934558**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **42**

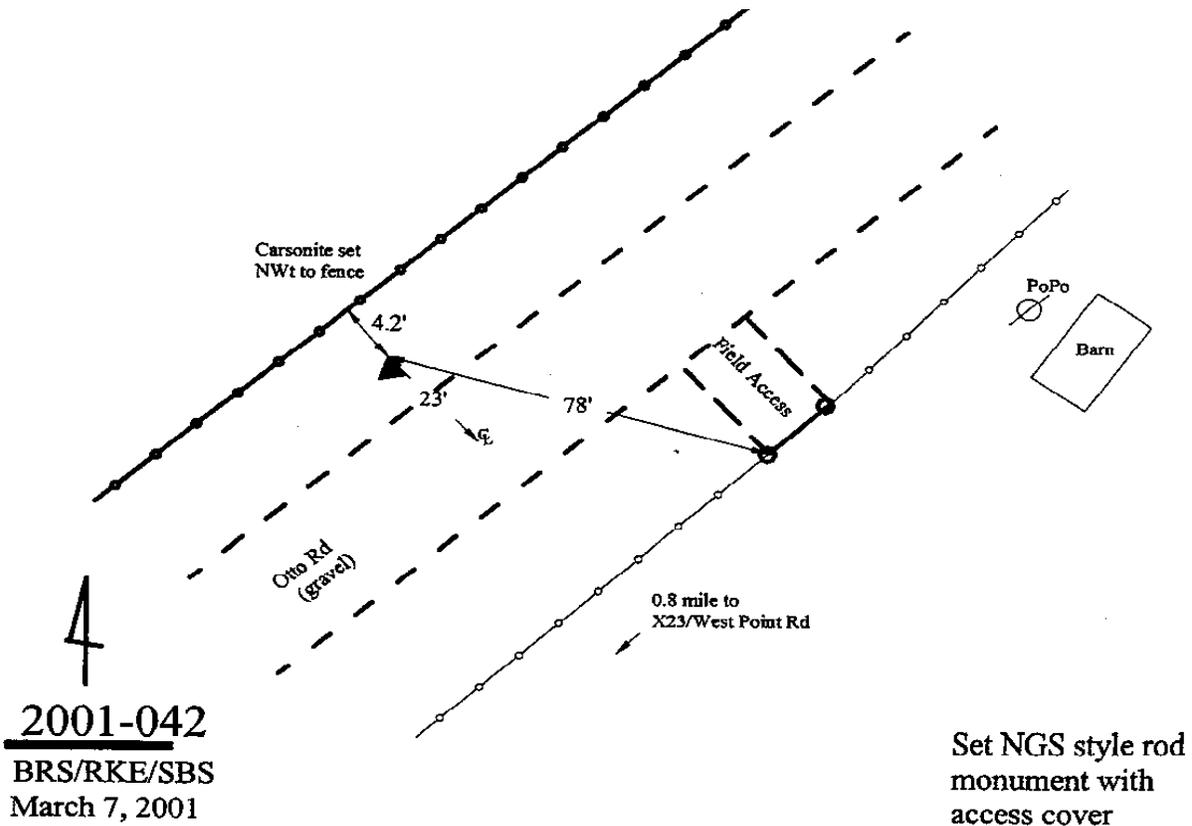
**Designation:** Lee Co. GPS Control Pt. 2001-042 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'55.89780"** Longitude: **W91°25'26.32277"**  
NAVD 88 Ortho Height: **697.930sft** Ellip. Ht: **588.866sft** **Geoid12A**

Iowa South Zone (1402) Northing: **255415.652sft** Easting: **2216150.886sft**  
Mapping Angle: **1°22'03"** Combination Scale Factor: **0.9999609810**

IaRCS Zone 14 Northing: **6357505.529sft** Easting: **24451745.280sft**  
Mapping Angle: **-0°06'48"** Combination Scale Factor: **0.9999925608**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **43**

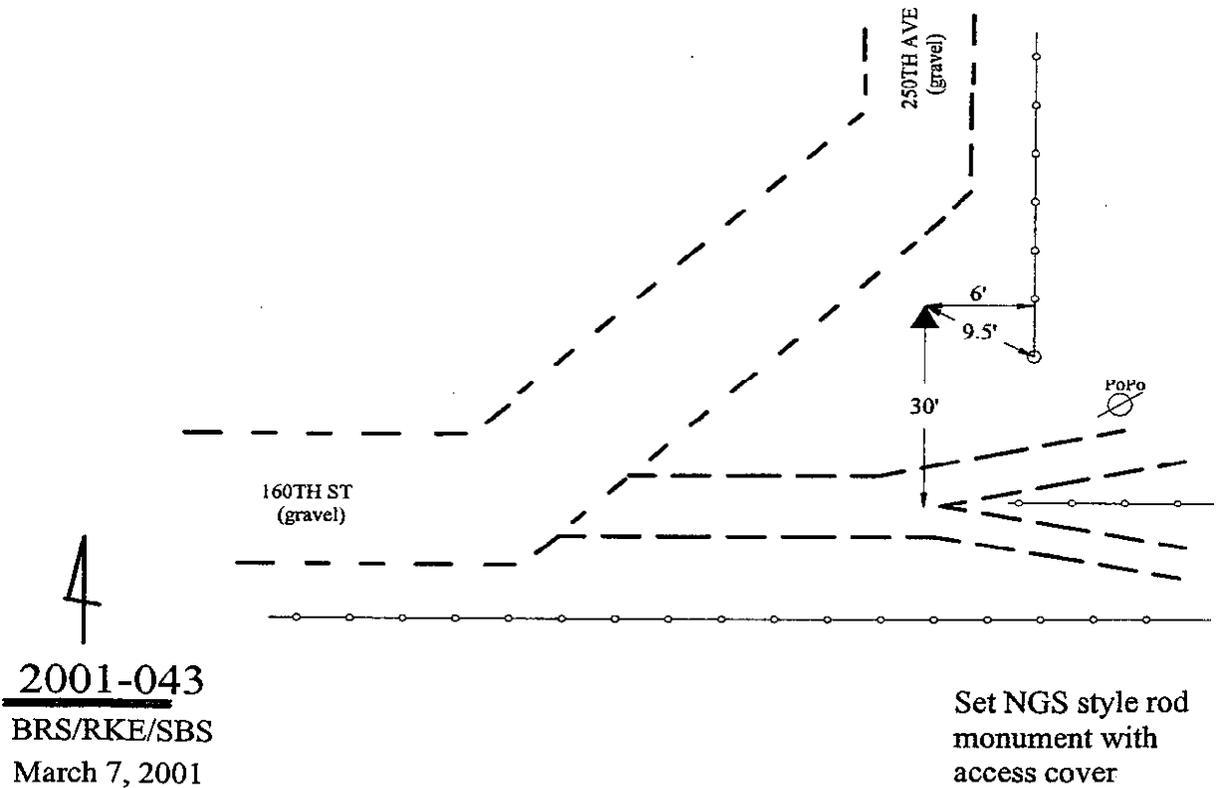
**Designation:** Lee Co. GPS Control Pt. 2001-043 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'33.21185"** Longitude: **W91°25'47.32486"**  
NAVD 88 Ortho Height: **726.050sft** Ellip. Ht: **617.071sft** **Geoid12A**

Iowa South Zone (1402) Northing: **271293.001sft** Easting: **2214154.429sft**  
Mapping Angle: **1°21'49"** Combination Scale Factor: **0.9999530722**

IaRCS Zone 14 Northing: **6373429.729sft** Easting: **24450159.769sft**  
Mapping Angle: **-0°07'02"** Combination Scale Factor: **0.9999913928**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **44**

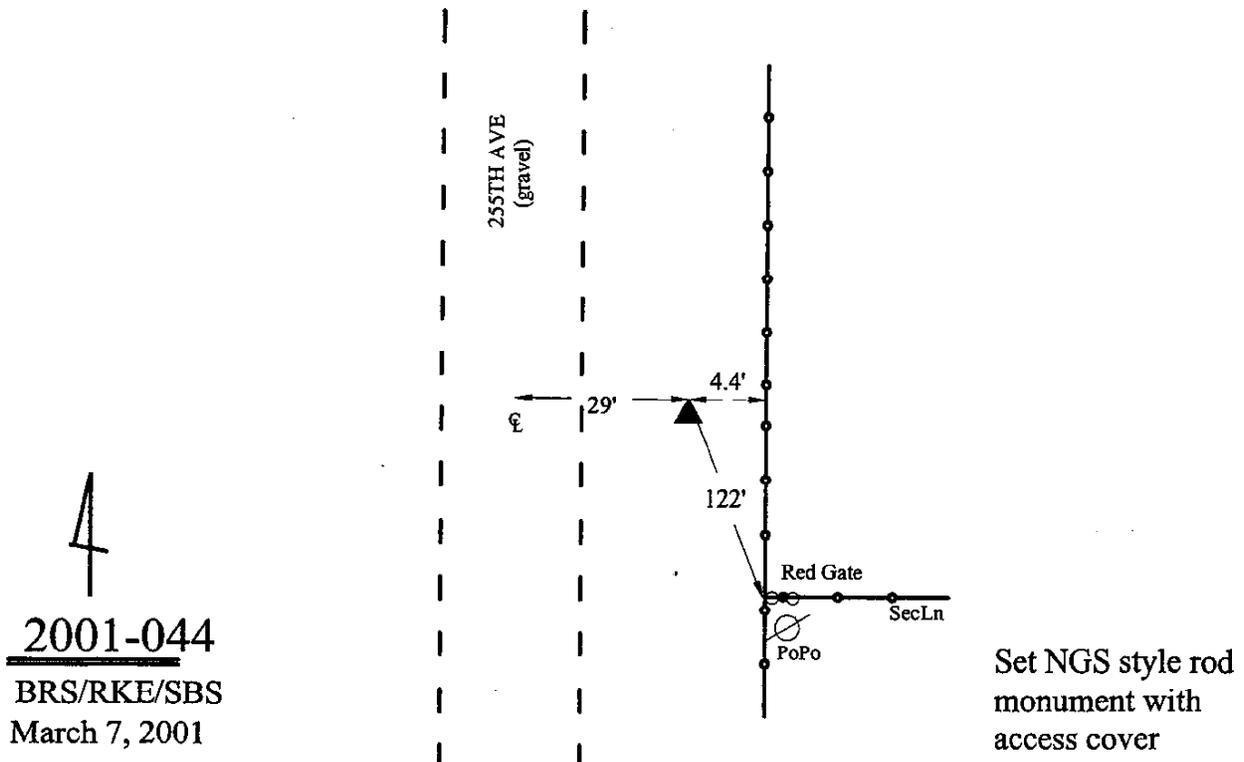
**Designation:** Lee Co. GPS Control Pt. 2001-044 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'11.41876"** Longitude: **W91°25'12.41068"**  
NAVD 88 Ortho Height: **705.690sft** Ellip. Ht: **596.755sft** **Geoid12A**

Iowa South Zone (1402) Northing: **287363.343sft** Easting: **2216458.952sft**  
Mapping Angle: **1°22'12"** Combination Scale Factor: **0.9999480216**

IaRCS Zone 14 Northing: **6389435.800sft** Easting: **24452878.988sft**  
Mapping Angle: **-0°06'40"** Combination Scale Factor: **0.9999920609**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **45**

**Designation:** Lee Co. GPS Control Pt. 2001-045 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°48'46.59726"** Longitude: **W91°25'48.37315"**

NAVD 88 Ortho Height: **689.370sft** Ellip. Ht: **580.460sft** **Geoid12A**

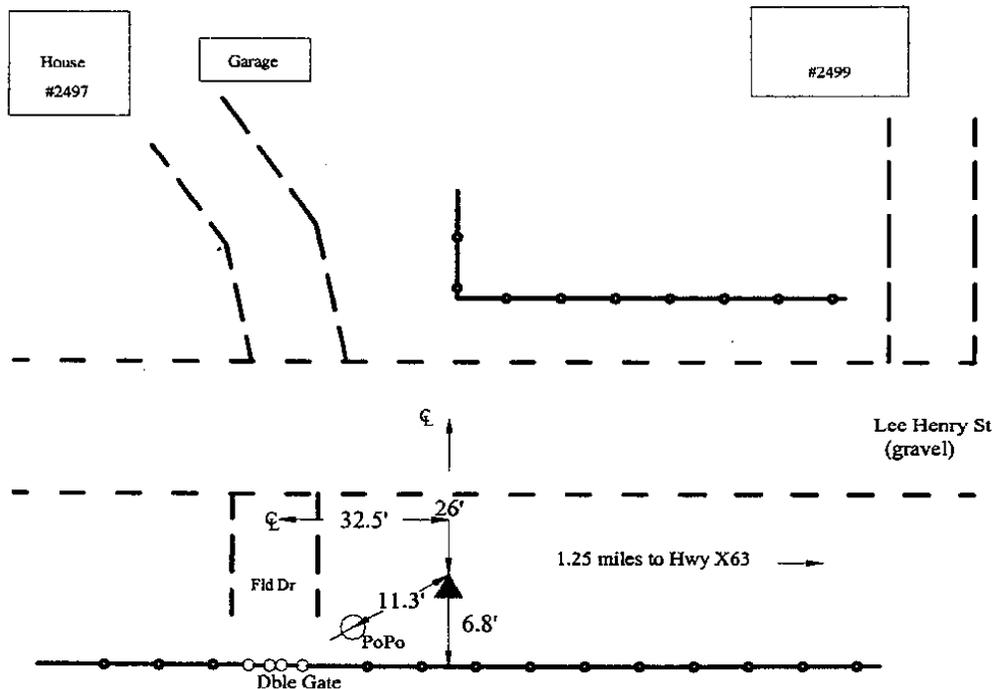
Iowa South Zone (1402) Northing: **302997.248sft** Easting: **2213319.102sft**

Mapping Angle: **1°21'48"** Combination Scale Factor: **0.9999434599**

IaRCS Zone 14 Northing: **6405146.377sft** Easting: **24450144.161sft**

Mapping Angle: **-0°07'04"** Combination Scale Factor: **0.9999931416**

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



4

**2001-045**

**BRS/RKE/SBS**

**March 7, 2001**

**Set NGS style rod monument with access cover**

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **46**

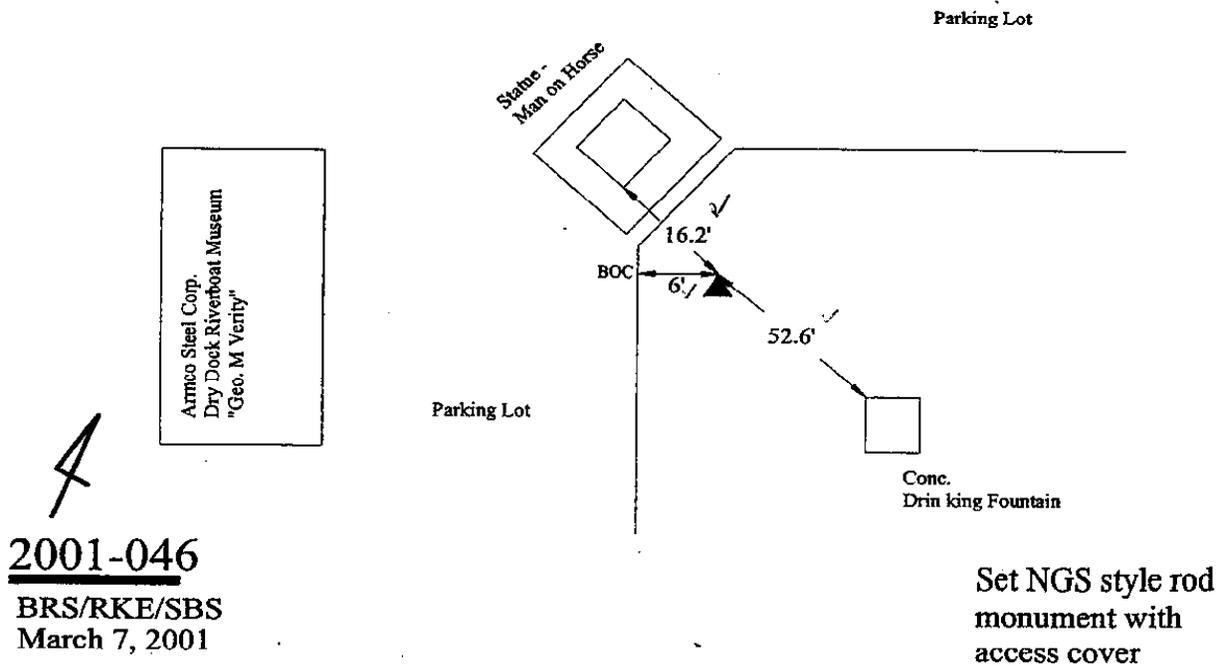
**Designation:** Lee Co. GPS Control Pt. 2001-046 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'26.86361"** Longitude: **W91°22'46.59991"**  
NAVD 88 Ortho Height: **499.330sft** Ellip. Ht: **390.418sft** **Geoid12A**

Iowa South Zone (1402) Northing: **149580.016sft** Easting: **2231040.423sft**  
Mapping Angle: **1°23'48"** Combination Scale Factor: **1.0000288984**

IaRCS Zone 14 Northing: **6251320.061sft** Easting: **24463894.964sft**  
Mapping Angle: **-0°05'02"** Combination Scale Factor: **1.0000008589**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **47**

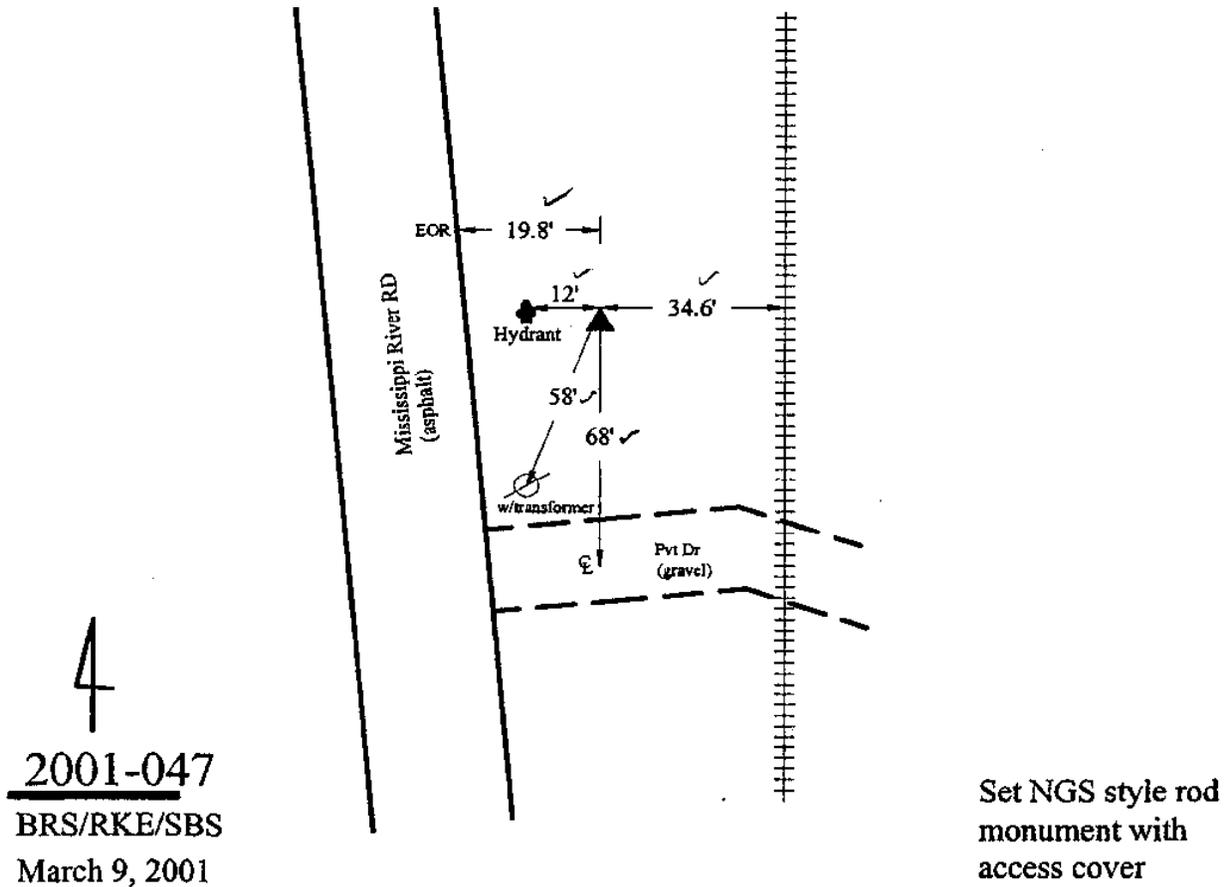
**Designation:** Lee Co. GPS Control Pt. 2001-047 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°25'33.70424"** Longitude: **W91°23'16.64104"**  
NAVD 88 Ortho Height: **531.840sft** Ellip. Ht: **422.835sft** **Geoid12A**

Iowa South Zone (1402) Northing: **162356.224sft** Easting: **2228404.834sft**  
Mapping Angle: **1°23'28"** Combination Scale Factor: **1.0000189292**

IaRCS Zone 14 Northing: **6264159.801sft** Easting: **24461590.445sft**  
Mapping Angle: **-0°05'22"** Combination Scale Factor: **0.9999995083**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **48**

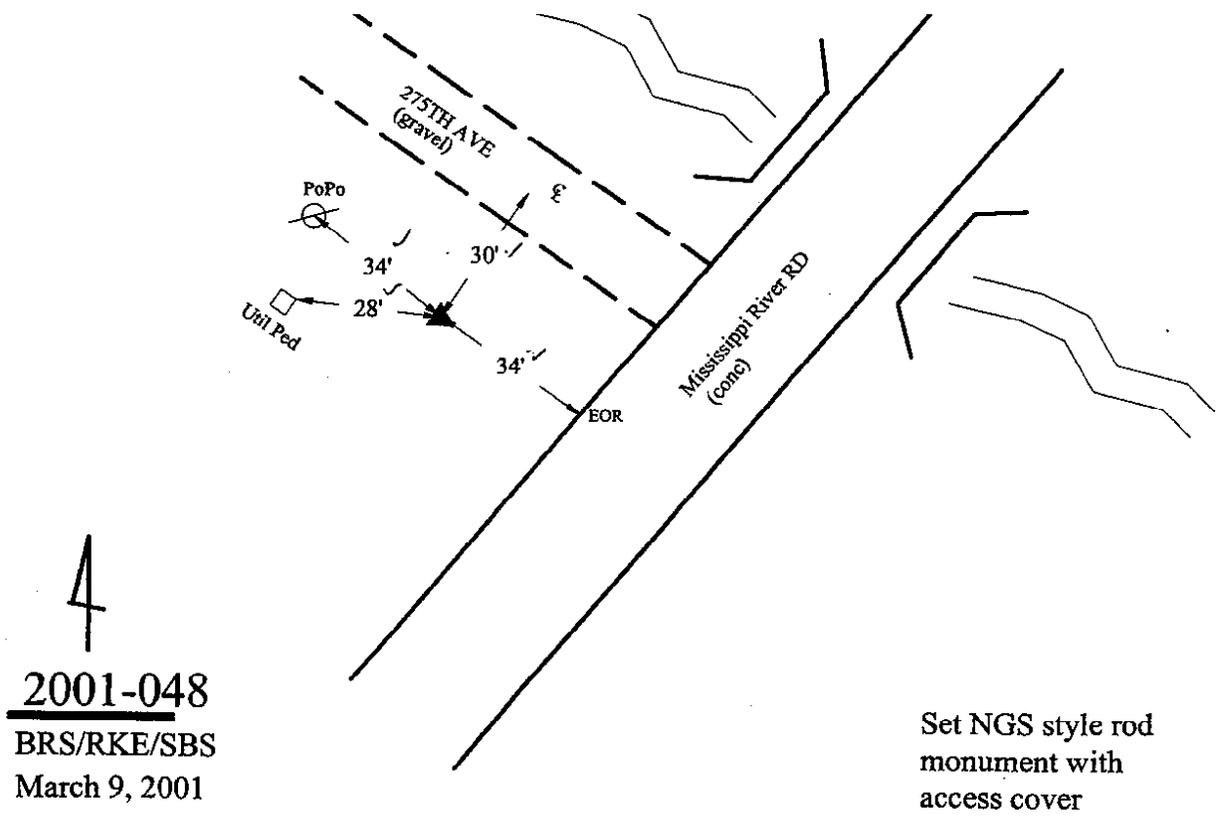
**Designation:** Lee Co. GPS Control Pt. 2001-048 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'57.94561"** Longitude: **W91°23'10.35284"**  
NAVD 88 Ortho Height: **529.960sft** Ellip. Ht: **420.855sft** **Geoid12A**

Iowa South Zone (1402) Northing: **176961.228sft** Easting: **2228536.321sft**  
Mapping Angle: **1°23'32"** Combination Scale Factor: **1.0000098986**

IaRCS Zone 14 Northing: **6278756.314sft** Easting: **24462099.279sft**  
Mapping Angle: **-0°05'18"** Combination Scale Factor: **0.9999995584**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **49**

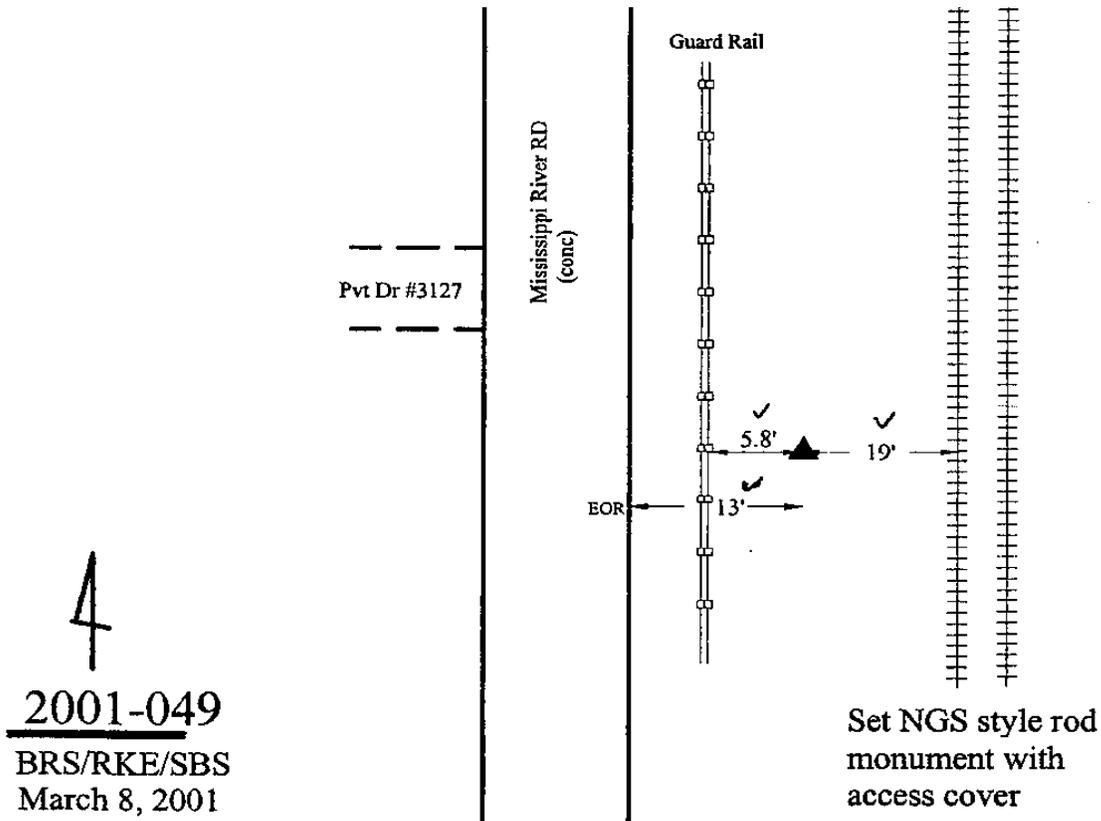
**Designation:** Lee Co. GPS Control Pt. 2001-049 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°30'13.83325"** Longitude: **W91°22'30.65291"**  
NAVD 88 Ortho Height: **531.070sft** Ellip. Ht: **421.915sft** **Geoid12A**

Iowa South Zone (1402) Northing: **190783.944sft** Easting: **2231268.061sft**  
Mapping Angle: **1°23'59"** Combination Scale Factor: **1.0000016922**

IaRCS Zone 14 Northing: **6292503.731sft** Easting: **24465187.303sft**  
Mapping Angle: **-0°04'53"** Combination Scale Factor: **0.9999992512**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **50**

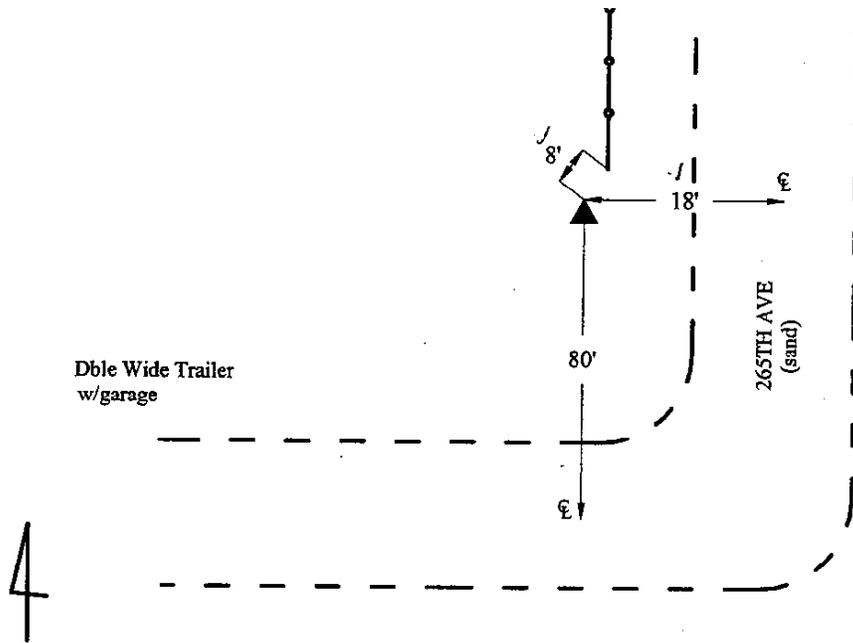
**Designation:** Lee Co. GPS Control Pt. 2001-050 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°35'39.61466"** Longitude: **W91°24'09.20019"**  
NAVD 88 Ortho Height: **523.200sft** Ellip. Ht: **414.001sft** **Geoid12A**

Iowa South Zone (1402) Northing: **223559.182sft** Easting: **2222862.623sft**  
Mapping Angle: **1°22'54"** Combination Scale Factor: **0.9999842599**

IaRCS Zone 14 Northing: **6325485.478sft** Easting: **24457631.645sft**  
Mapping Angle: **-0°05'57"** Combination Scale Factor: **1.0000002955**

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



**2001-050**  
**BRS/RKE/SBS**  
**March 8, 2001**

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **51**

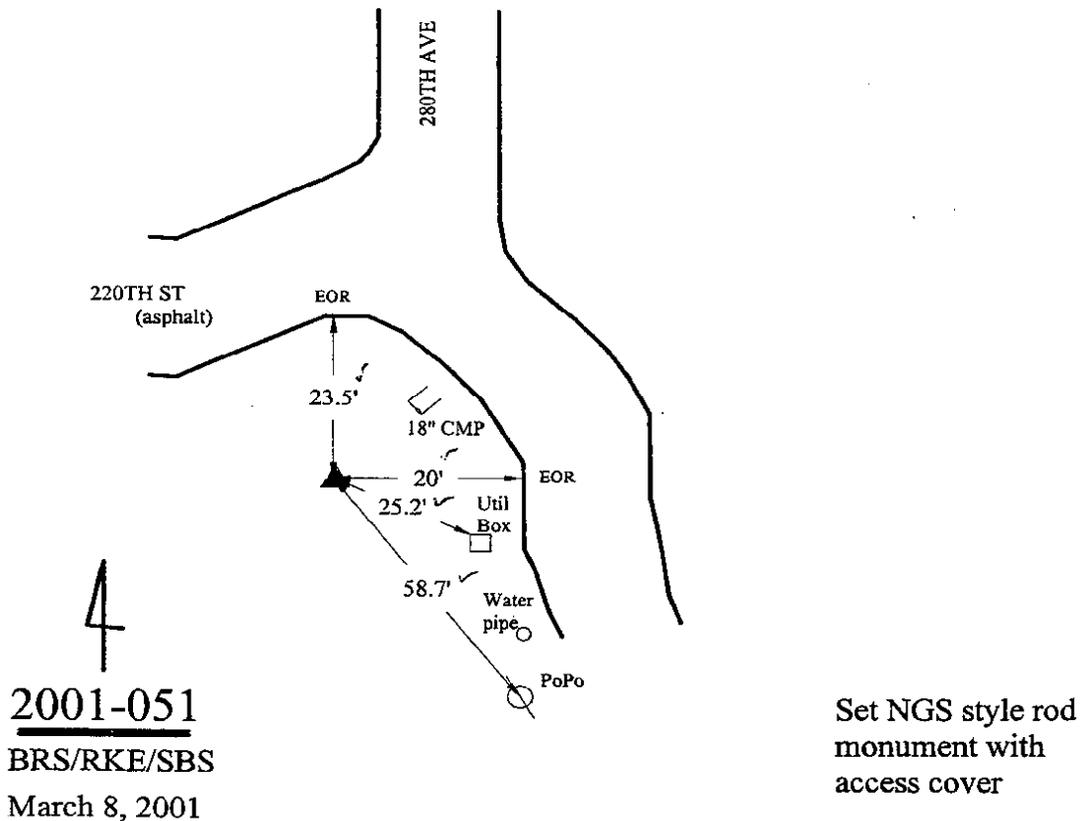
**Designation:** Lee Co. GPS Control Pt. 2001-051 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'19.01824"** Longitude: **W91°22'23.40514"**  
NAVD 88 Ortho Height: **706.800sft** Ellip. Ht: **597.645sft** **Geoid12A**

Iowa South Zone (1402) Northing: **239884.387sft** Easting: **2230627.317sft**  
Mapping Angle: **1°24'03"** Combination Scale Factor: **0.9999676795**

IaRCS Zone 14 Northing: **6341604.863sft** Easting: **24465815.842sft**  
Mapping Angle: **-0°04'49"** Combination Scale Factor: **0.9999908161**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*



**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **53**

**Designation:** Lee Co. GPS Control Pt. 2001-053 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'32.15908"** Longitude: **W91°22'21.69712"**

NAVD 88 Ortho Height: **660.110sft** Ellip. Ht: **551.078sft** **Geoid12A**

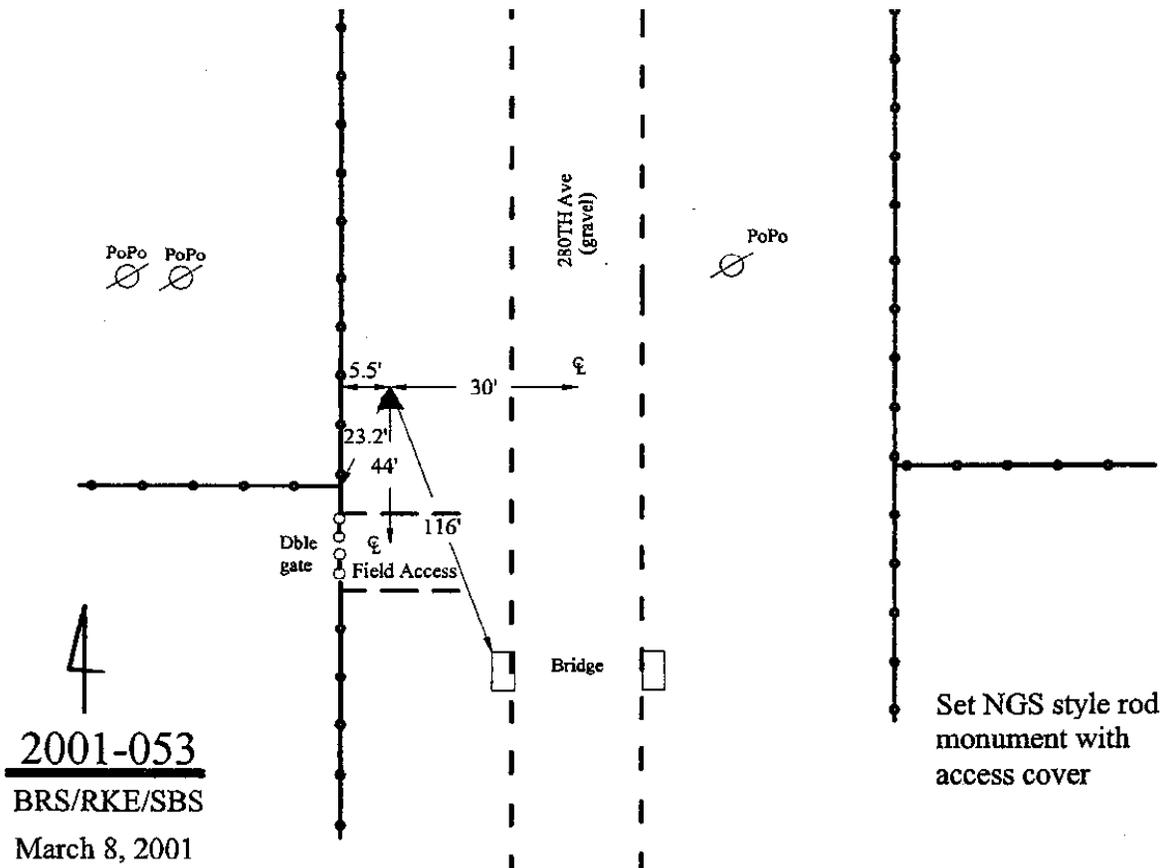
Iowa South Zone (1402) Northing: **271568.442sft** Easting: **2229983.995sft**

Mapping Angle: **1°24'05"** Combination Scale Factor: **0.9999562632**

IaRCS Zone 14 Northing: **6373295.915sft** Easting: **24465991.759sft**

Mapping Angle: **-0°04'48"** Combination Scale Factor: **0.9999930246**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **54**

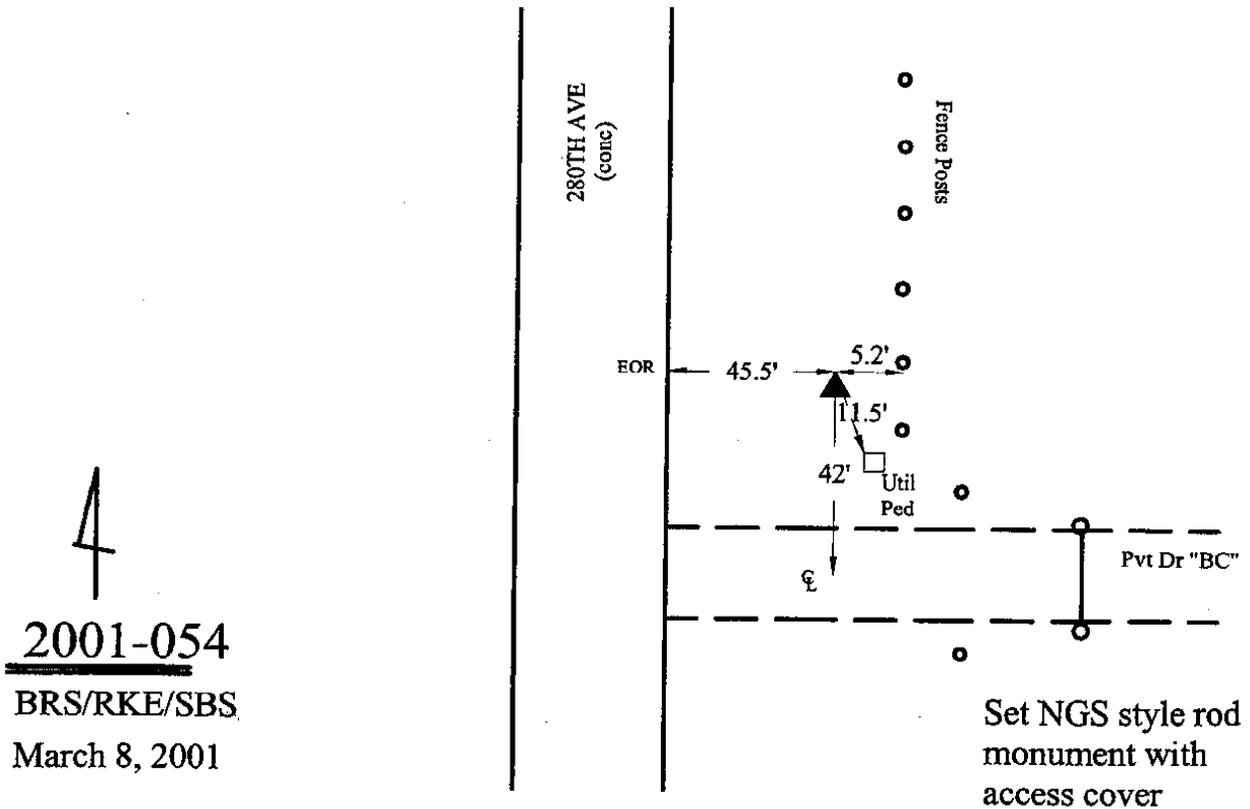
**Designation:** Lee Co. GPS Control Pt. 2001-054 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°46'10.80976"** Longitude: **W91°22'19.78441"**  
NAVD 88 Ortho Height: **710.370sft** Ellip. Ht: **601.389sft** **Geoid12A**

Iowa South Zone (1402) Northing: **287622.949sft** Easting: **2229738.487sft**  
Mapping Angle: **1°24'06"** Combination Scale Factor: **0.9999478225**

IaRCS Zone 14 Northing: **6389352.042sft** Easting: **24466161.373sft**  
Mapping Angle: **-0°04'47"** Combination Scale Factor: **0.9999906107**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **55**

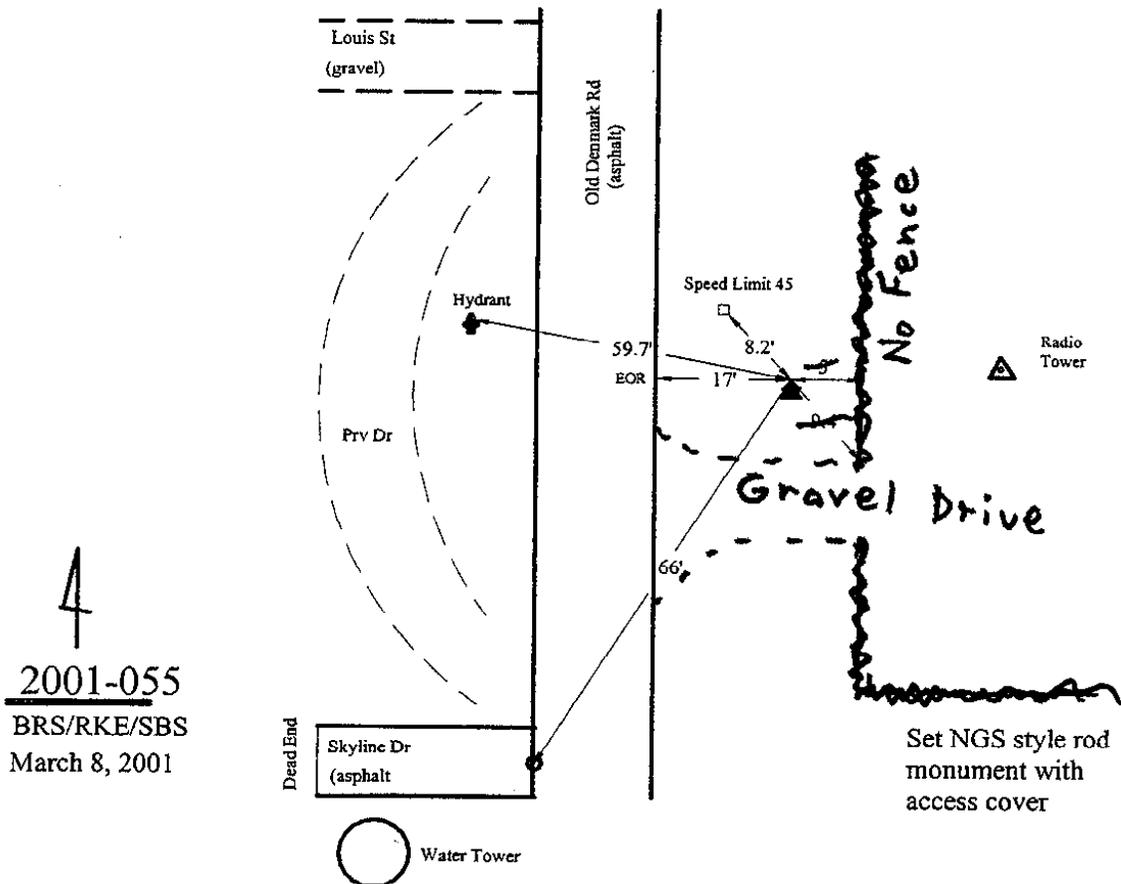
**Designation:** Lee Co. GPS Control Pt. 2001-055 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'17.73626"** Longitude: **W91°19'05.42249"**  
NAVD 88 Ortho Height: **698.480sft** Ellip. Ht: **589.301sft** **Geoid12A**

Iowa South Zone (1402) Northing: **240132.675sft** Easting: **2245888.956sft**  
Mapping Angle: **1°26'14"** Combination Scale Factor: **0.9999681382**

IaRCS Zone 14 Northing: **6341458.522sft** Easting: **24481079.144sft**  
Mapping Angle: **-0°02'40"** Combination Scale Factor: **0.9999902877**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **56**

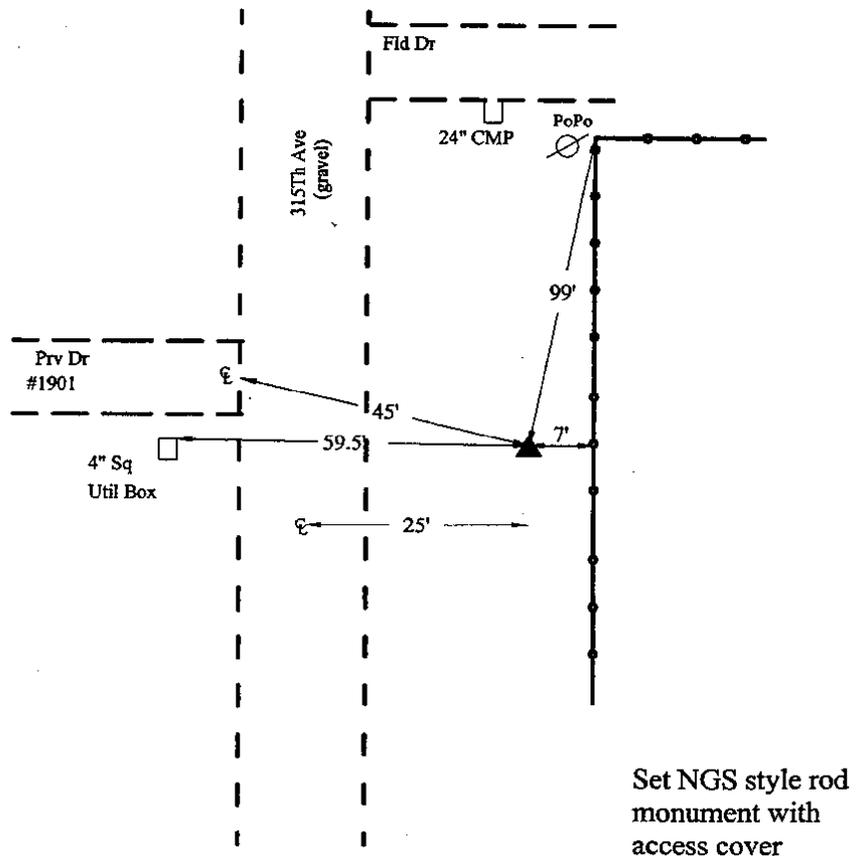
**Designation:** Lee Co. GPS Control Pt. 2001-056 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'52.85465"** Longitude: **W91°18'34.43435"**  
NAVD 88 Ortho Height: **645.820sft** Ellip. Ht: **536.671sft** **Geoid12A**

Iowa South Zone (1402) Northing: **255885.936sft** Easting: **2247881.905sft**  
Mapping Angle: **1°26'34"** Combination Scale Factor: **0.9999636042**

IaRCS Zone 14 Northing: **6357155.389sft** Easting: **24483478.809sft**  
Mapping Angle: **-0°02'20"** Combination Scale Factor: **0.9999927020**

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



4  
**2001-056**  
BRS/RKE/SBS  
March 8, 2001

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **57**

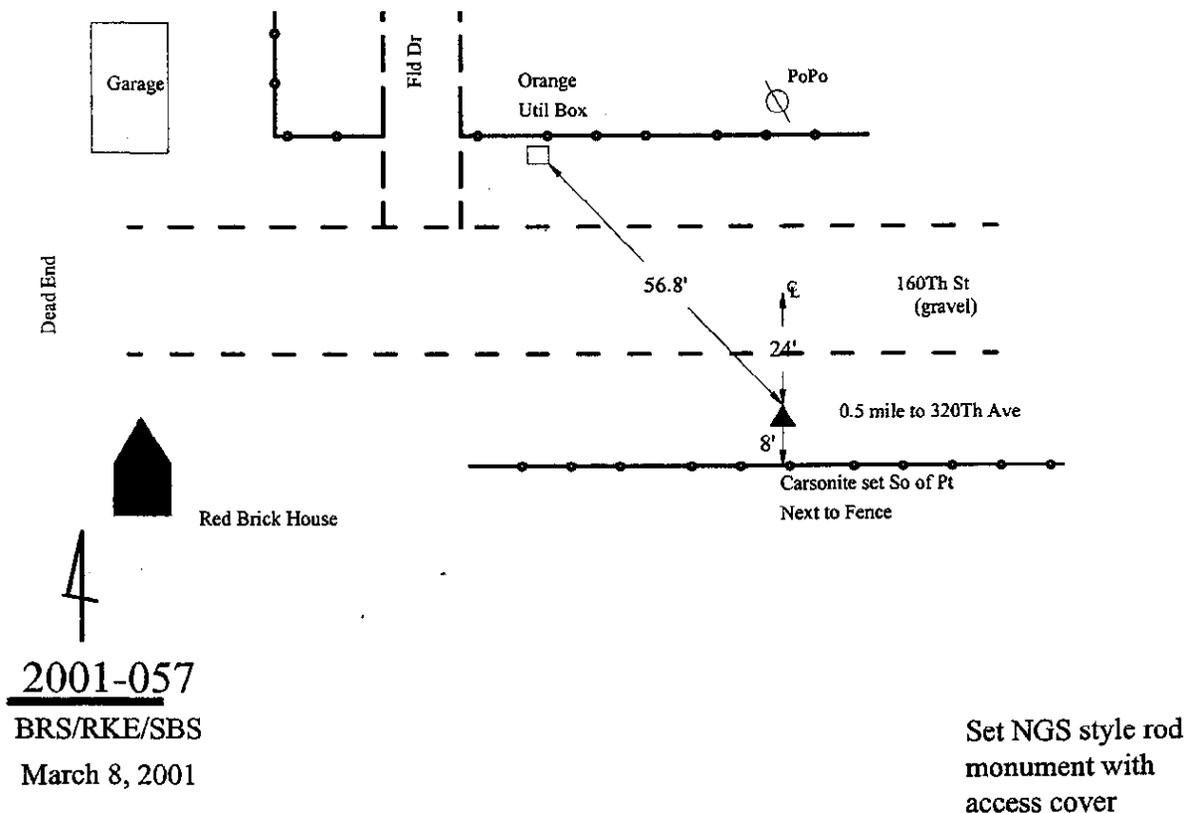
**Designation:** Lee Co. GPS Control Pt. 2001-057 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'30.46305"** Longitude: **W91°18'20.11395"**  
NAVD 88 Ortho Height: **677.680sft** Ellip. Ht: **568.583sft** **Geoid12A**

Iowa South Zone (1402) Northing: **271858.873sft** Easting: **2248582.494sft**  
Mapping Angle: **1°26'44"** Combination Scale Factor: **0.9999554956**

IaRCS Zone 14 Northing: **6373105.387sft** Easting: **24484592.223sft**  
Mapping Angle: **-0°02'11"** Combination Scale Factor: **0.9999911387**

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





**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **59**

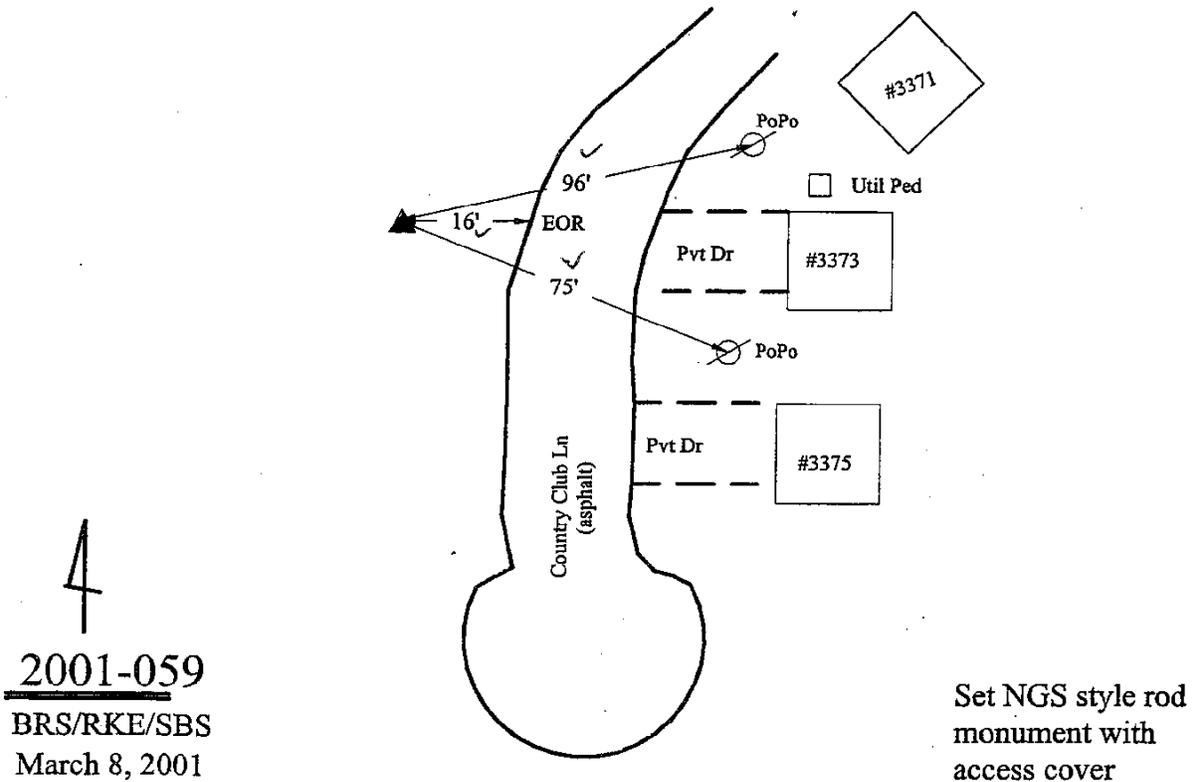
**Designation:** Lee Co. GPS Control Pt. 2001-059 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'33.17479"** Longitude: **W91°16'39.58504"**  
NAVD 88 Ortho Height: **705.300sft** Ellip. Ht: **596.111sft** **Geoid12A**

Iowa South Zone (1402) Northing: **241979.169sft** Easting: **2257088.538sft**  
Mapping Angle: **1°27'50"** Combination Scale Factor: **0.9999670870**

IaRCS Zone 14 Northing: **6343014.834sft** Easting: **24492322.979sft**  
Mapping Angle: **-0°01'05"** Combination Scale Factor: **0.9999896210**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **60**

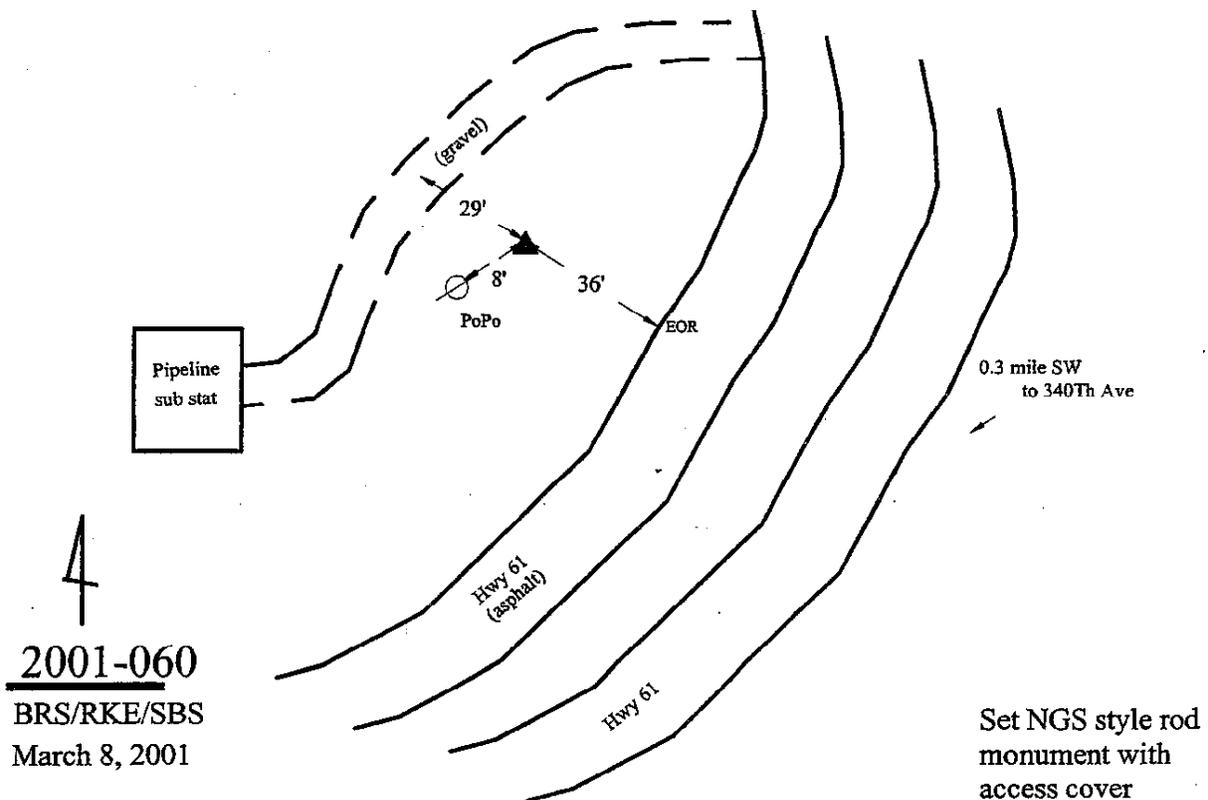
**Designation:** Lee Co. GPS Control Pt. 2001-060 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'47.92825"** Longitude: **W91°15'13.44041"**  
NAVD 88 Ortho Height: **657.250sft** Ellip. Ht: **548.052sft** **Geoid12A**

Iowa South Zone (1402) Northing: **255782.425sft** Easting: **2263374.965sft**  
Mapping Angle: **1°28'47"** Combination Scale Factor: **0.9999632763**

IaRCS Zone 14 Northing: **6356651.240sft** Easting: **24498964.456sft**  
Mapping Angle: **-0°00'09"** Combination Scale Factor: **0.9999918482**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **61**

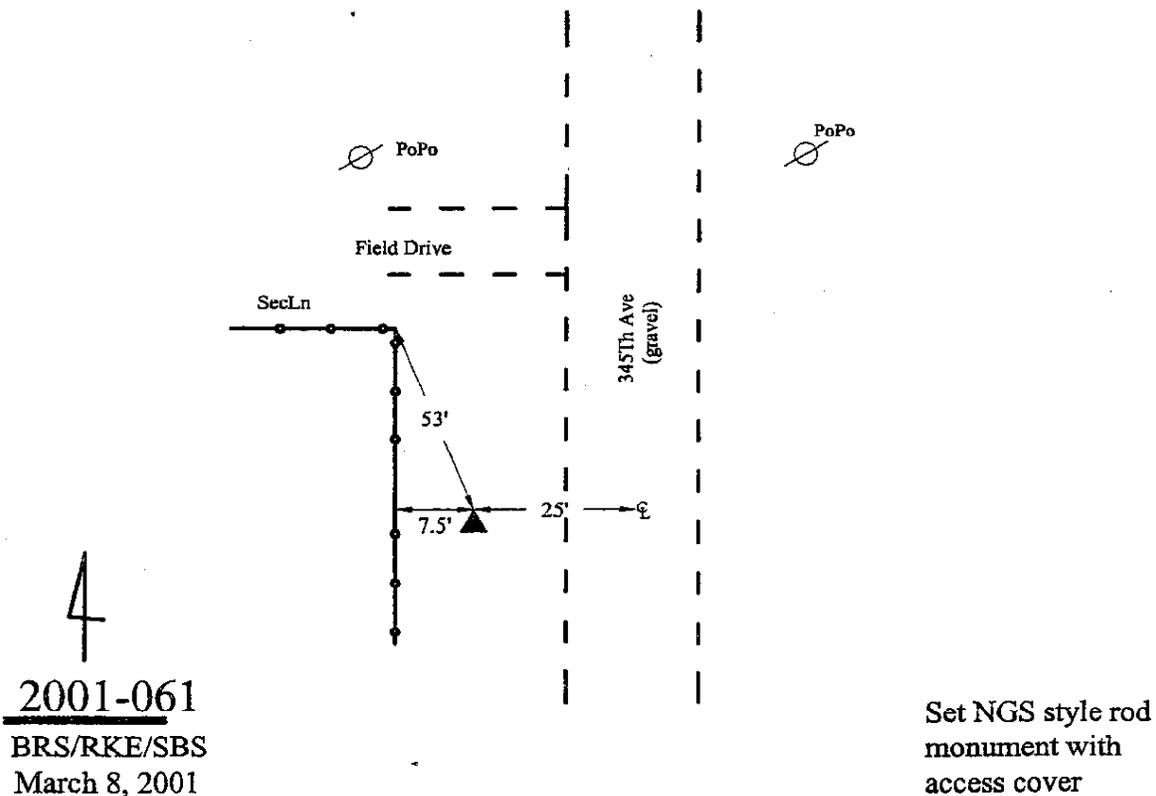
**Designation:** Lee Co. GPS Control Pt. 2001-061 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°43'29.61592"** Longitude: **W91°14'54.36334"**  
NAVD 88 Ortho Height: **668.570sft** Ellip. Ht: **559.427sft** **Geoid12A**

Iowa South Zone (1402) Northing: **272177.974sft** Easting: **2264420.752sft**  
Mapping Angle: **1°28'59"** Combination Scale Factor: **0.9999559663**

IaRCS Zone 14 Northing: **6373014.780sft** Easting: **24500433.997sft**  
Mapping Angle: **0°00'04"** Combination Scale Factor: **0.9999913045**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **62**

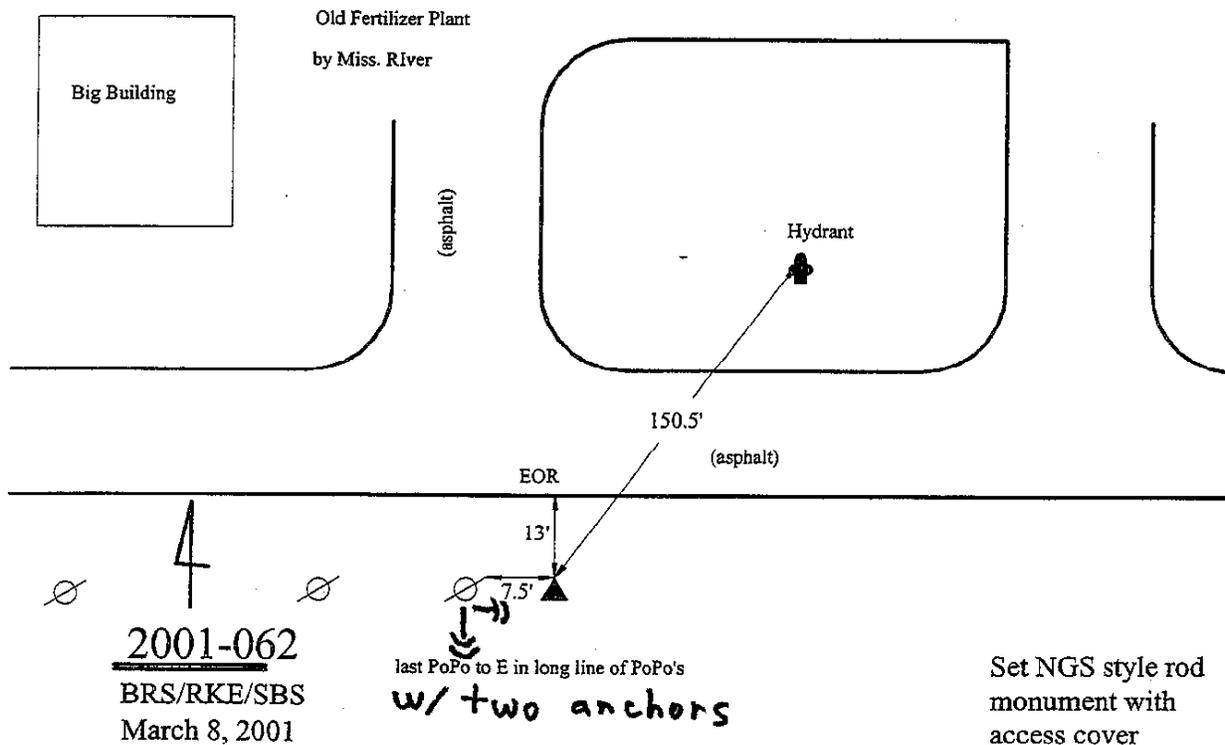
**Designation:** Lee Co. GPS Control Pt. 2001-062 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'42.75401"** Longitude: **W91°12'10.21642"**  
NAVD 88 Ortho Height: **517.610sft** Ellip. Ht: **408.378sft** **Geoid12A**

Iowa South Zone (1402) Northing: **243487.664sft** Easting: **2277821.119sft**  
Mapping Angle: **1°30'47"** Combination Scale Factor: **0.9999755974**

IaRCS Zone 14 Northing: **6343986.588sft** Easting: **24513088.114sft**  
Mapping Angle: **0°01'51"** Combination Scale Factor: **0.9999987078**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **63**

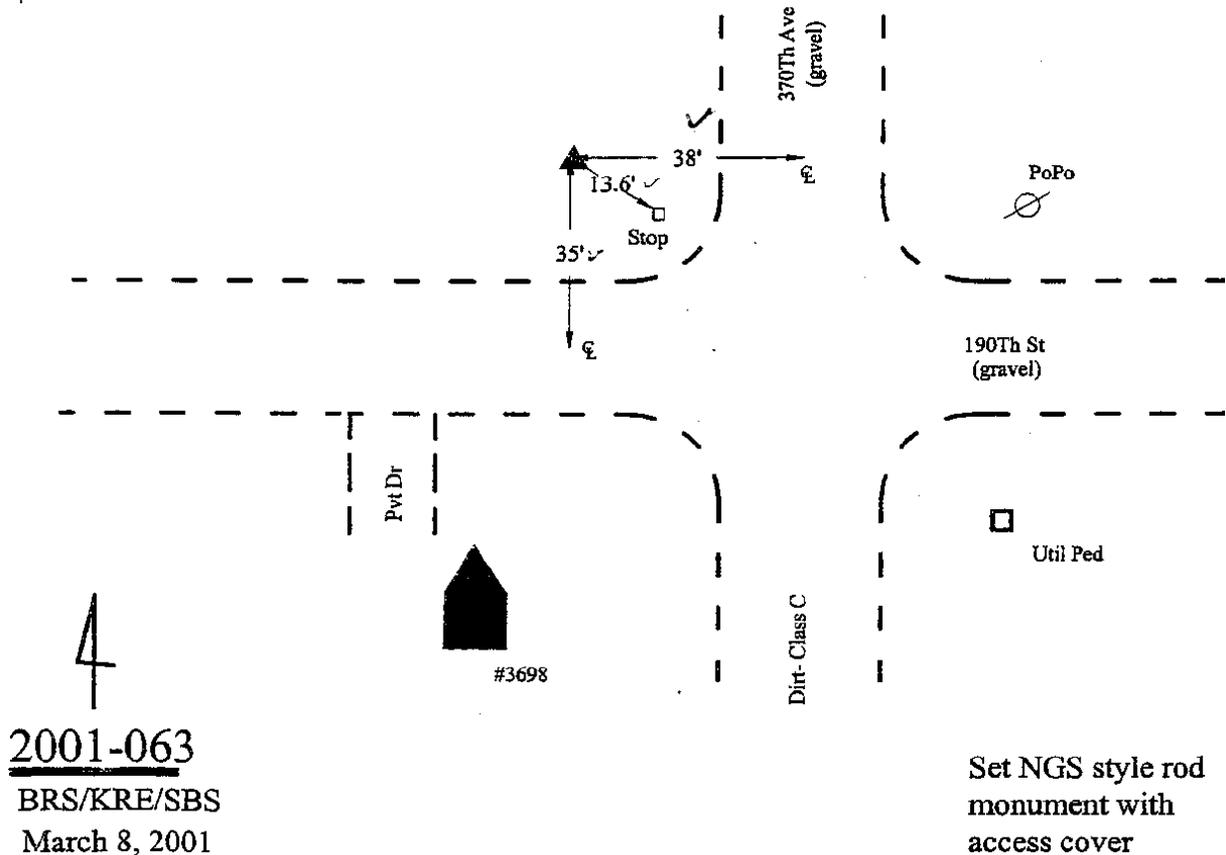
**Designation:** Lee Co. GPS Control Pt. 2001-063 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'51.22660"** Longitude: **W91°12'04.16809"**  
NAVD 88 Ortho Height: **521.040sft** Ellip. Ht: **411.806sft** **Geoid12A**

Iowa South Zone (1402) Northing: **256497.050sft** Easting: **2277943.619sft**  
Mapping Angle: **1°30'51"** Combination Scale Factor: **0.9999696335**

laRCS Zone 14 Northing: **6356988.790sft** Easting: **24513547.140sft**  
Mapping Angle: **0°01'55"** Combination Scale Factor: **0.9999985583**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **64**

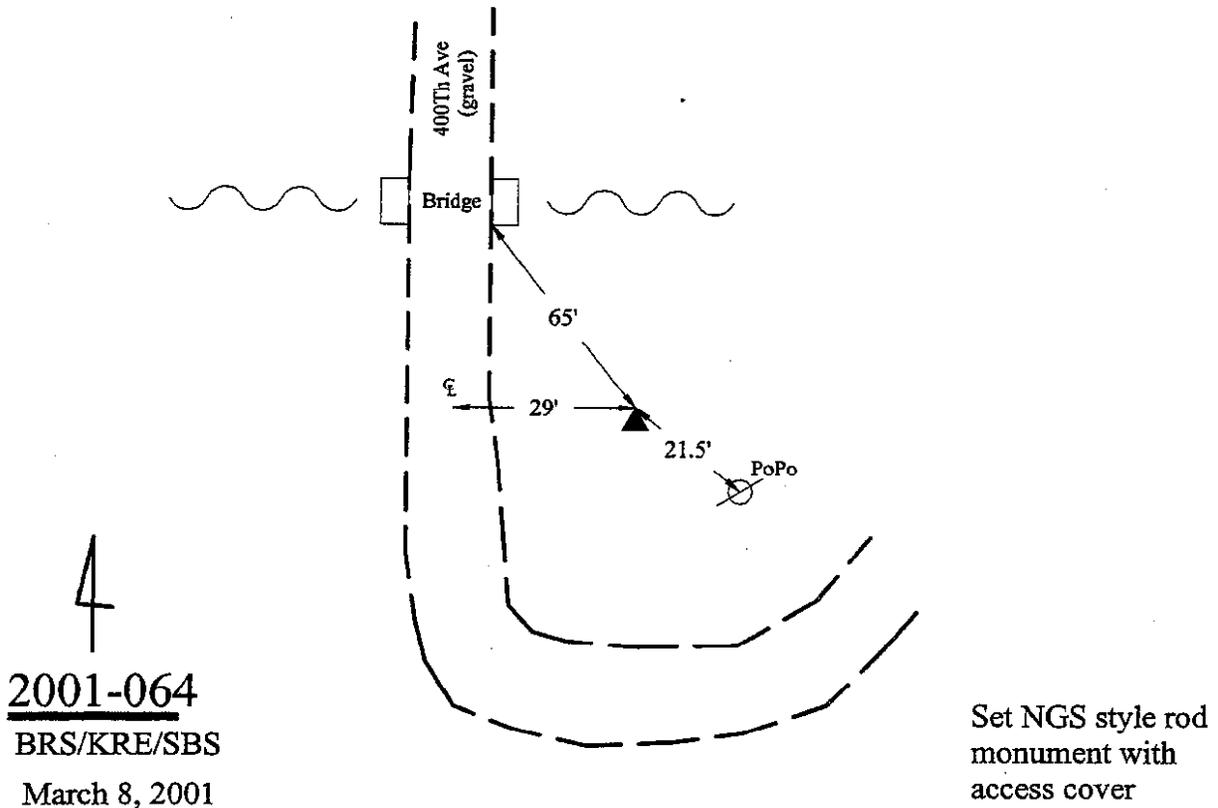
**Designation:** Lee Co. GPS Control Pt. 2001-064 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'54.36007"** Longitude: **W91°08'37.45276"**  
NAVD 88 Ortho Height: **515.020sft** Ellip. Ht: **405.794sft** **Geoid12A**

Iowa South Zone (1402) Northing: **257240.157sft** Easting: **2293855.454sft**  
Mapping Angle: **1°33'07"** Combination Scale Factor: **0.9999697837**

IaRCS Zone 14 Northing: **6357319.962sft** Easting: **24529473.342sft**  
Mapping Angle: **0°04'09"** Combination Scale Factor: **0.9999996283**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **83**

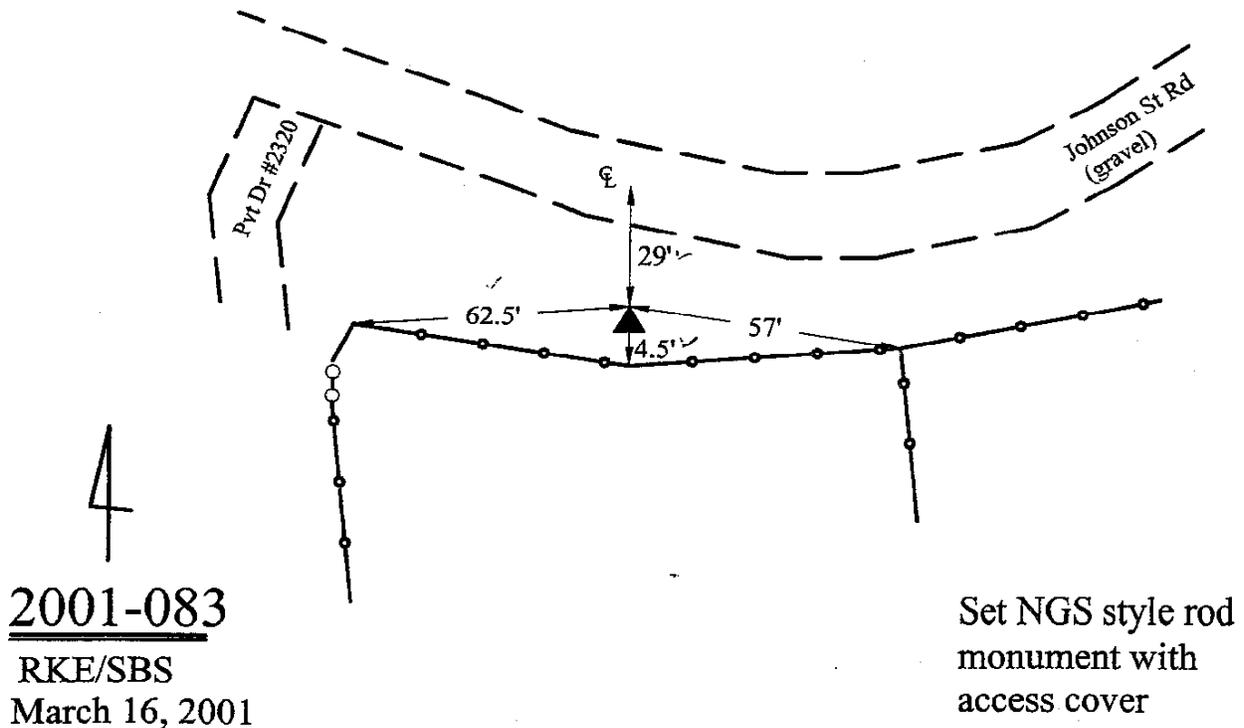
**Designation:** Lee Co. GPS Control Pt. 2001-083 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°24'40.38074"** Longitude: **W91°28'08.09962"**  
NAVD 88 Ortho Height: **555.370sft** Ellip. Ht: **446.460sft** **Geoid12A**

Iowa South Zone (1402) Northing: **156424.456sft** Easting: **2205995.736sft**  
Mapping Angle: **1°20'16"** Combination Scale Factor: **1.0000212971**

IaRCS Zone 14 Northing: **6258808.993sft** Easting: **24439036.045sft**  
Mapping Angle: **-0°08'31"** Combination Scale Factor: **1.0000009428**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **84**

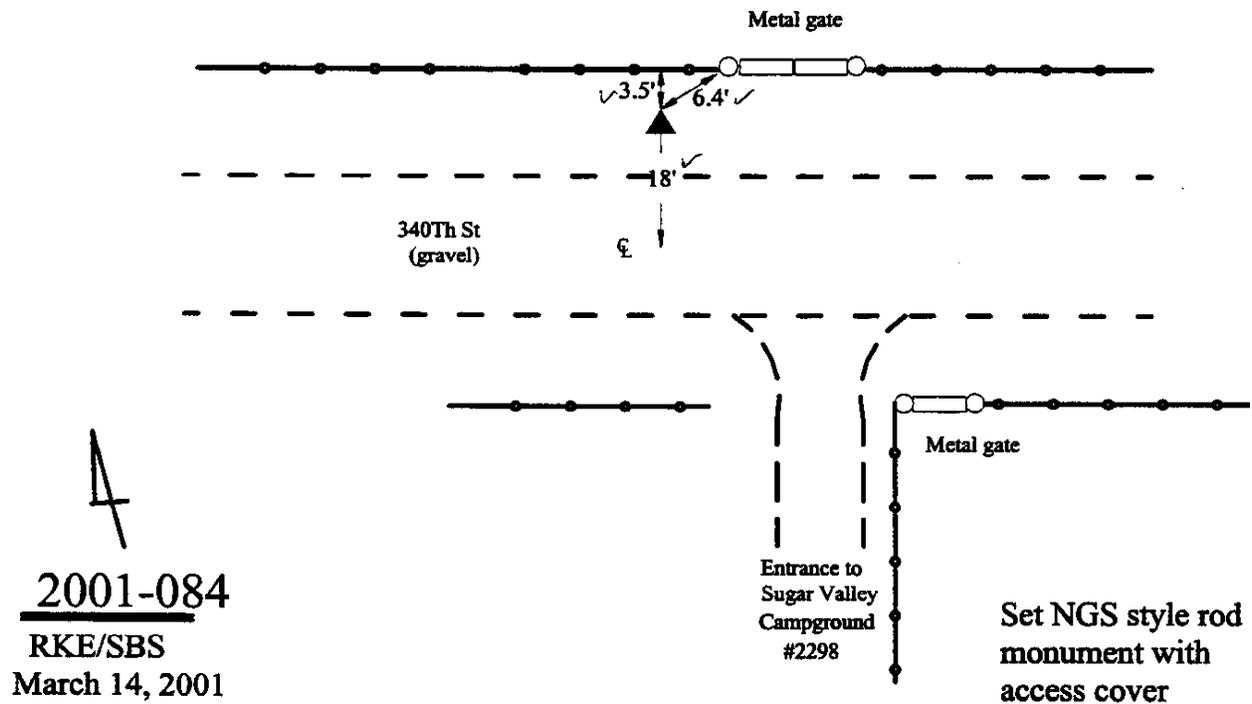
**Designation:** Lee Co. GPS Control Pt. 2001-084 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'56.25426"** Longitude: **W91°28'20.48749"**  
NAVD 88 Ortho Height: **652.920sft** Ellip. Ht: **543.875sft** **Geoid12A**

Iowa South Zone (1402) Northing: **176219.497sft** Easting: **2204575.659sft**  
Mapping Angle: **1°20'08"** Combination Scale Factor: **1.0000041323**

IaRCS Zone 14 Northing: **6278633.829sft** Easting: **24438127.671sft**  
Mapping Angle: **-0°08'40"** Combination Scale Factor: **0.9999964217**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **85**

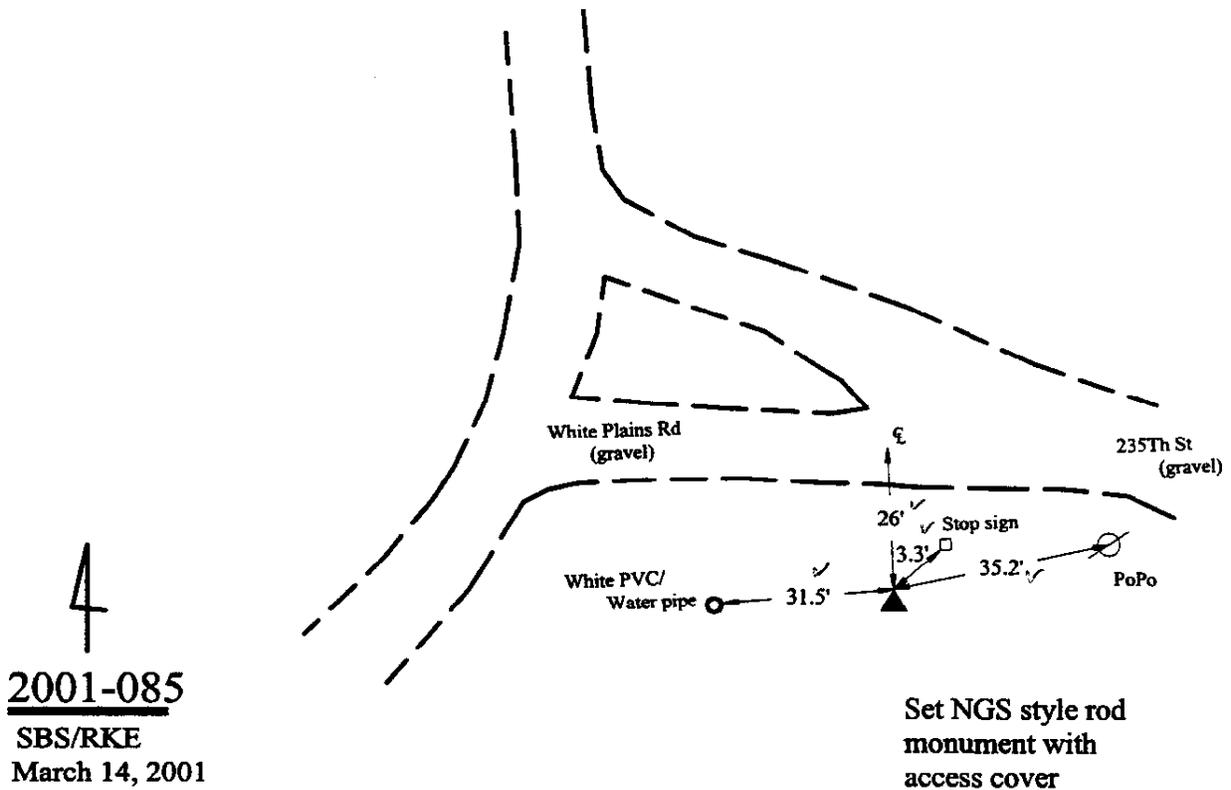
**Designation:** Lee Co. GPS Control Pt. 2001-085 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°28'40.75064"** Longitude: **W91°28'01.09728"**  
NAVD 88 Ortho Height: **671.620sft** Ellip. Ht: **562.553sft** **Geoid12A**

Iowa South Zone (1402) Northing: **180756.359sft** Easting: **2205968.761sft**  
Mapping Angle: **1°20'21"** Combination Scale Factor: **1.0000005215**

IaRCS Zone 14 Northing: **6283133.169sft** Easting: **24439637.474sft**  
Mapping Angle: **-0°08'27"** Combination Scale Factor: **0.9999953195**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **86**

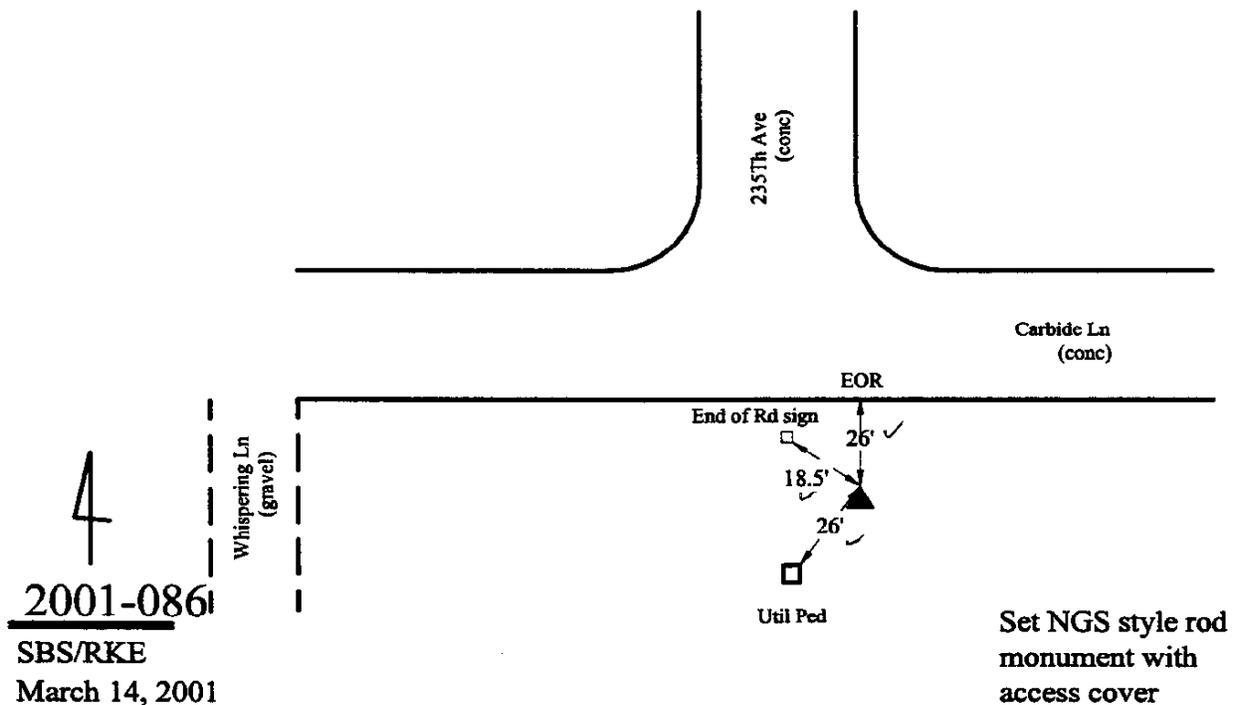
**Designation:** Lee Co. GPS Control Pt. 2001-086 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°25'20.12097"** Longitude: **W91°27'49.91532"**  
NAVD 88 Ortho Height: **587.080sft** Ellip. Ht: **478.139sft** **Geoid12A**

Iowa South Zone (1402) Northing: **160478.032sft** Easting: **2207307.909sft**  
Mapping Angle: **1°20'28"** Combination Scale Factor: **1.0000171742**

IaRCS Zone 14 Northing: **6262827.253sft** Easting: **24440452.437sft**  
Mapping Angle: **-0°08'19"** Combination Scale Factor: **0.9999992360**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **87**

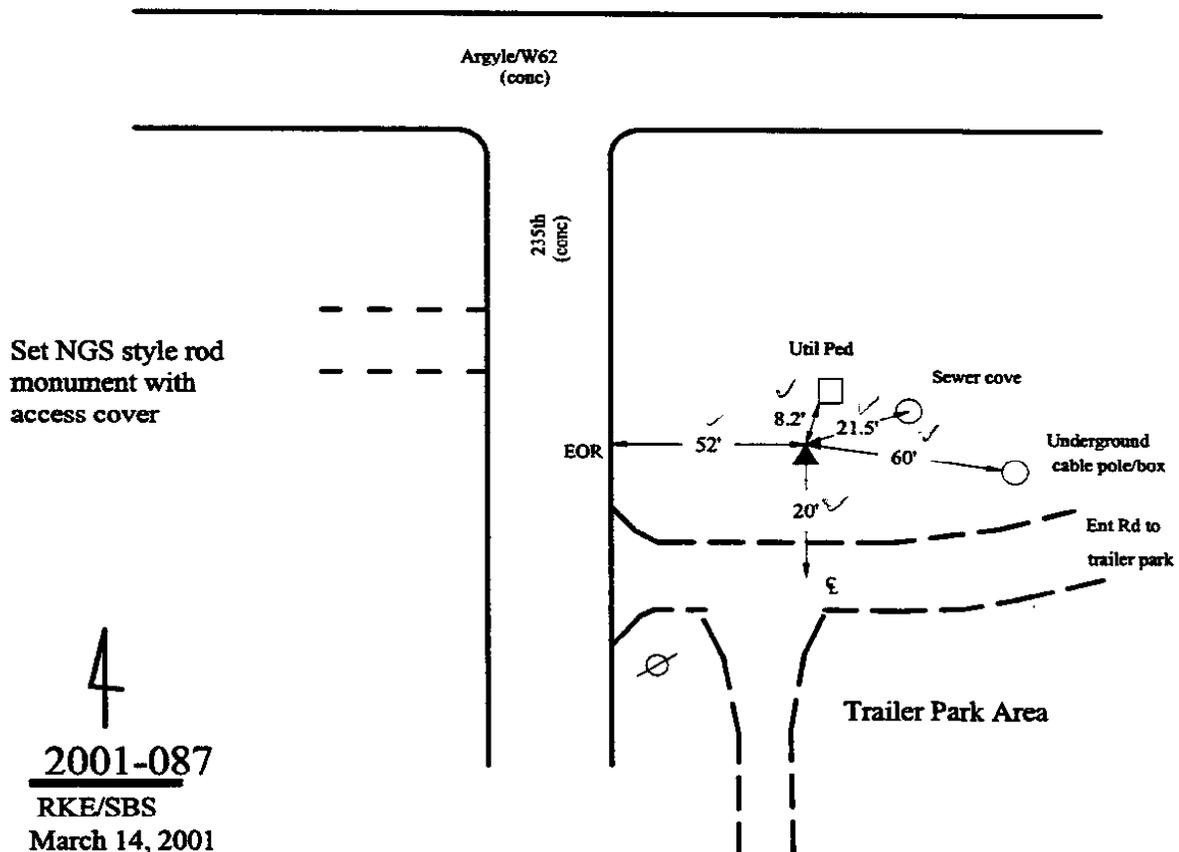
**Designation:** Lee Co. GPS Control Pt. 2001-087 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°26'07.66455"** Longitude: **W91°27'48.72327"**  
NAVD 88 Ortho Height: **663.870sft** Ellip. Ht: **554.895sft** **Geoid12A**

Iowa South Zone (1402) Northing: **165290.377sft** Easting: **2207287.444sft**  
Mapping Angle: **1°20'29"** Combination Scale Factor: **1.0000104355**

laRCS Zone 14 Northing: **6267638.443sft** Easting: **24440556.263sft**  
Mapping Angle: **-0°08'19"** Combination Scale Factor: **0.9999955591**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **88**

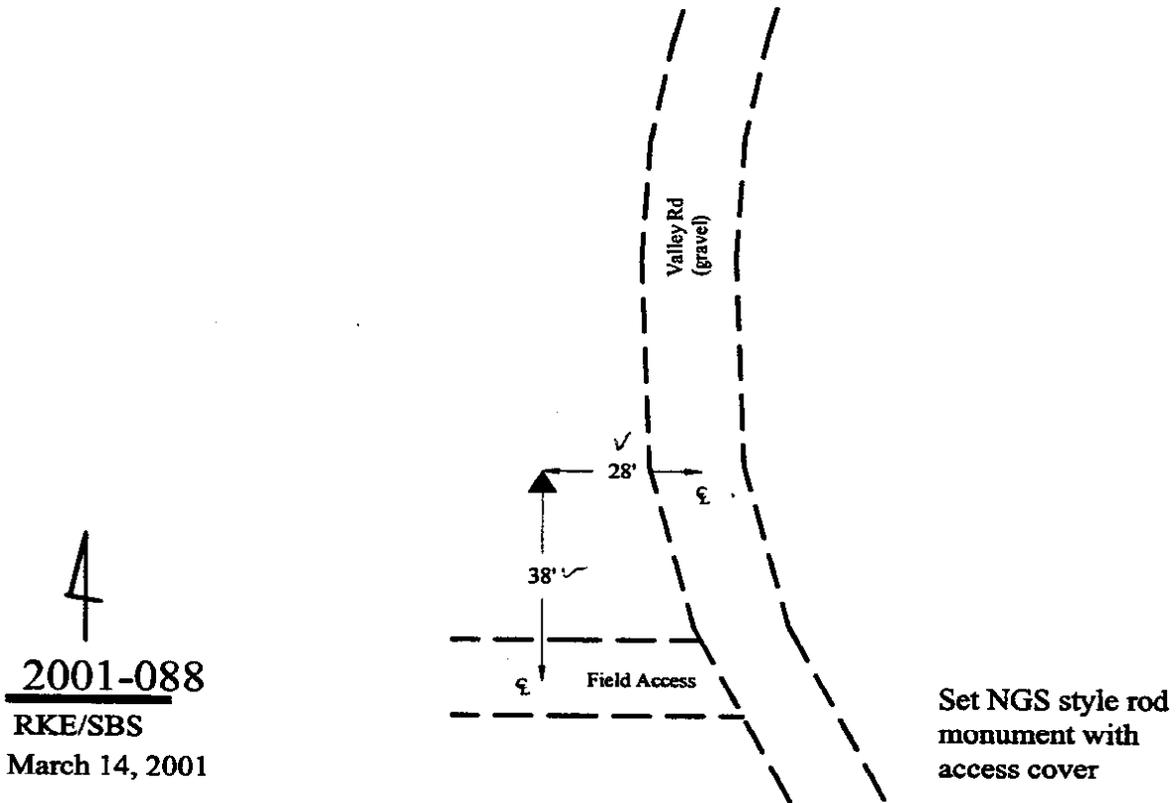
**Designation:** Lee Co. GPS Control Pt. 2001-088 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'19.53032"** Longitude: **W91°27'05.55117"**  
NAVD 88 Ortho Height: **493.230sft** Ellip. Ht: **384.378sft** **Geoid12A**

Iowa South Zone (1402) Northing: **148357.941sft** Easting: **2211025.673sft**  
Mapping Angle: **1°20'58"** Combination Scale Factor: **1.0000296850**

IaRCS Zone 14 Northing: **6250615.460sft** Easting: **24443855.870sft**  
Mapping Angle: **-0°07'50"** Combination Scale Factor: **1.0000032602**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **89**

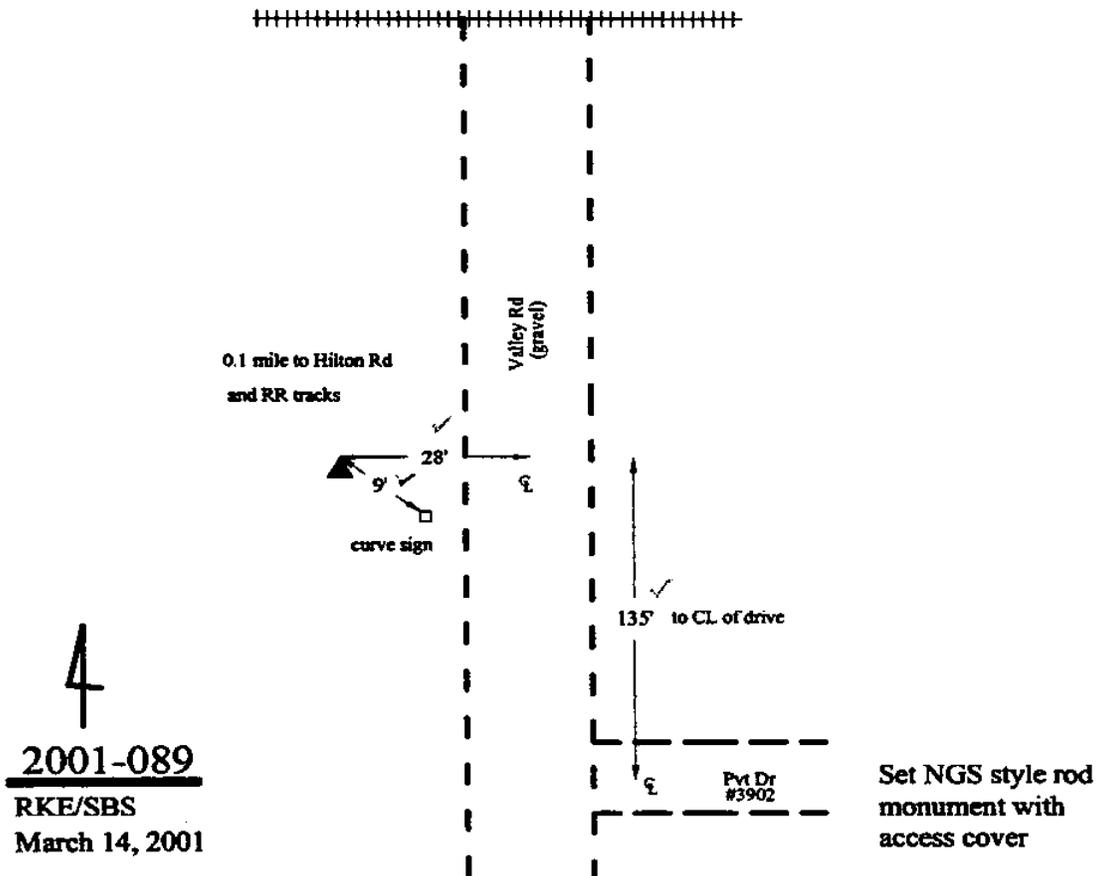
**Designation:** Lee Co. GPS Control Pt. 2001-089 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'36.73604"** Longitude: **W91°27'09.64358"**  
NAVD 88 Ortho Height: **499.980sft** Ellip. Ht: **391.113sft** **Geoid12A**

Iowa South Zone (1402) Northing: **150091.261sft** Easting: **2210668.095sft**  
Mapping Angle: **1°20'55"** Combination Scale Factor: **1.0000281964**

IaRCS Zone 14 Northing: **6252357.392sft** Easting: **24443543.186sft**  
Mapping Angle: **-0°07'53"** Combination Scale Factor: **1.0000029790**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **90**

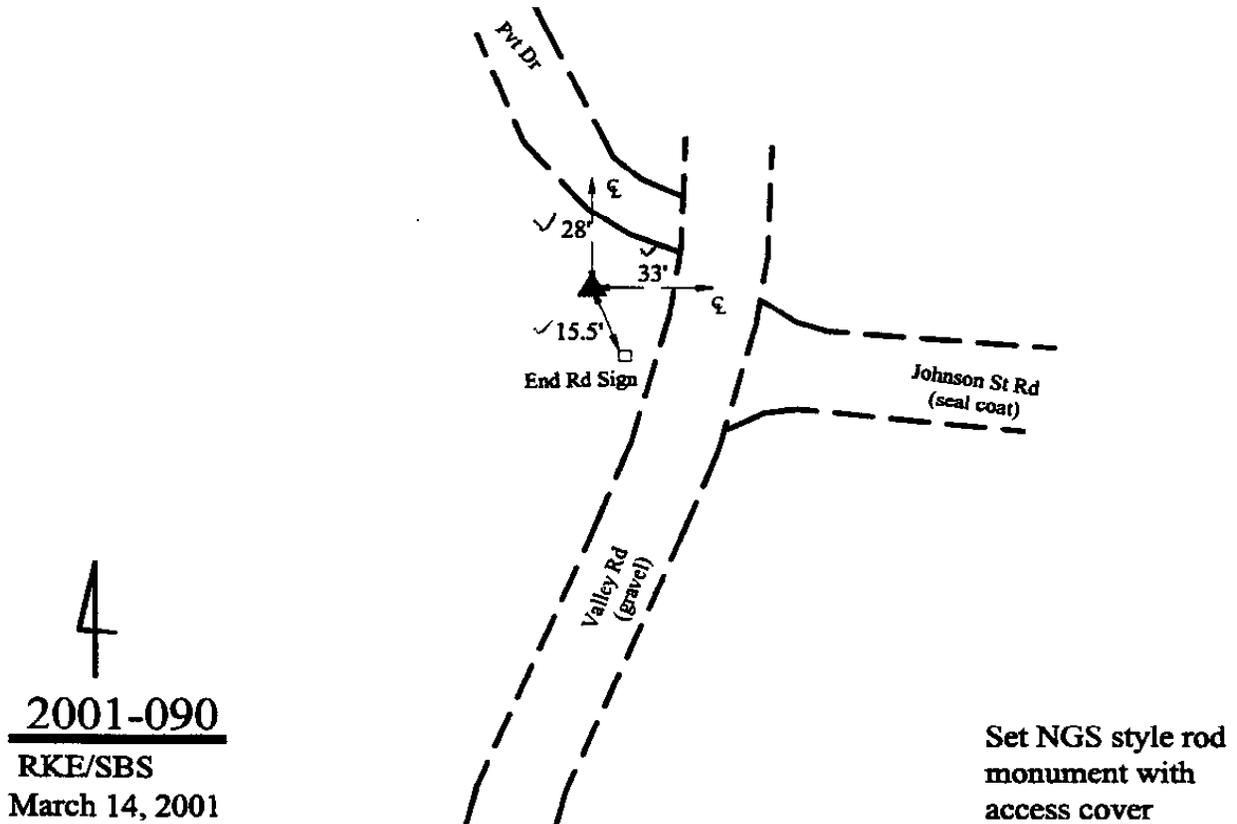
**Designation:** Lee Co. GPS Control Pt. 2001-090 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°24'25.59822"** Longitude: **W91°27'21.45415"**  
NAVD 88 Ortho Height: **520.570sft** Ellip. Ht: **411.665sft** **Geoid12A**

Iowa South Zone (1402) Northing: **155013.364sft** Easting: **2209638.276sft**  
Mapping Angle: **1°20'47"** Combination Scale Factor: **1.0000239382**

laRCS Zone 14 Northing: **6257304.333sft** Easting: **24442640.852sft**  
Mapping Angle: **-0°08'01"** Combination Scale Factor: **1.0000021157**

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



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**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **91**

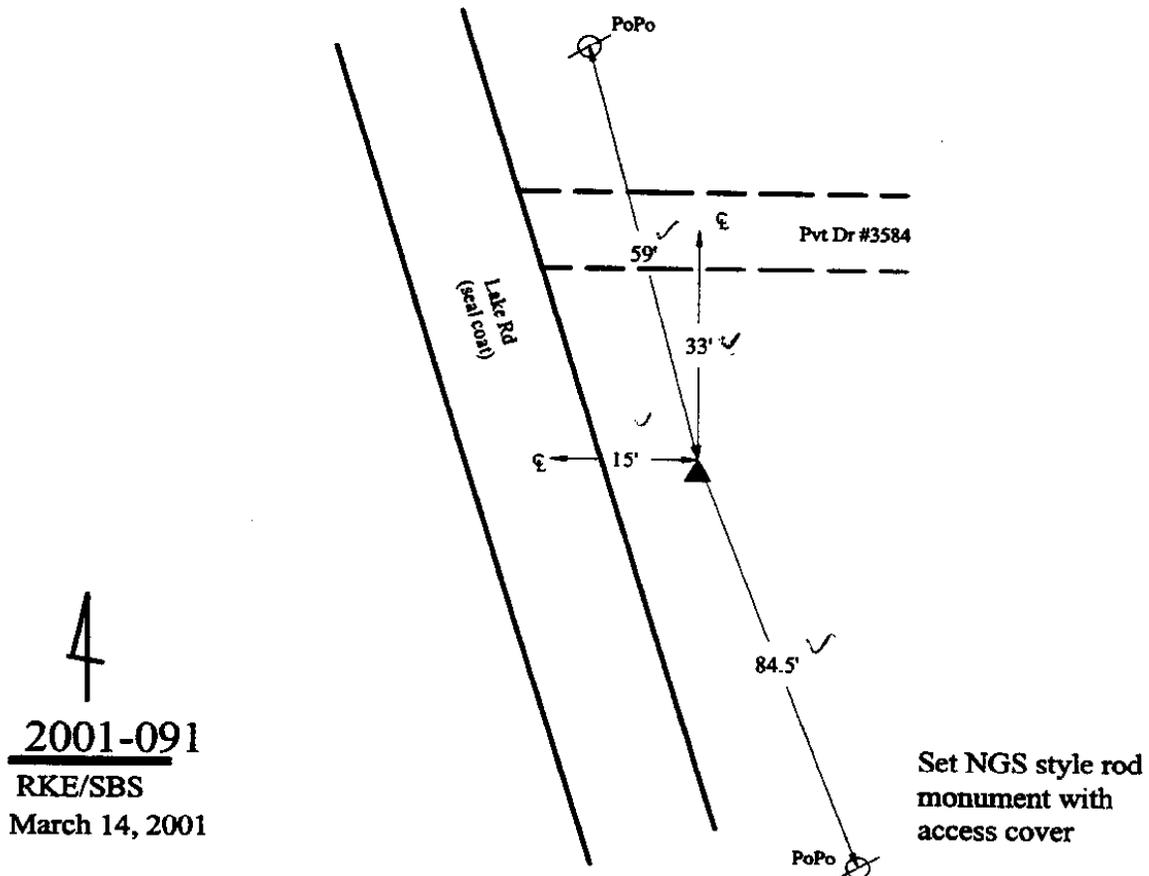
**Designation:** Lee Co. GPS Control Pt. 2001-091 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°26'22.14537"** Longitude: **W91°27'02.39422"**  
NAVD 88 Ortho Height: **667.590sft** Ellip. Ht: **558.602sft** **Geoid12A**

Iowa South Zone (1402) Northing: **166839.591sft** Easting: **2210834.525sft**  
Mapping Angle: **1°21'00"** Combination Scale Factor: **1.0000093321**

IaRCS Zone 14 Northing: **6269095.505sft** Easting: **24444142.121sft**  
Mapping Angle: **-0°07'49"** Combination Scale Factor: **0.9999949096**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **92**

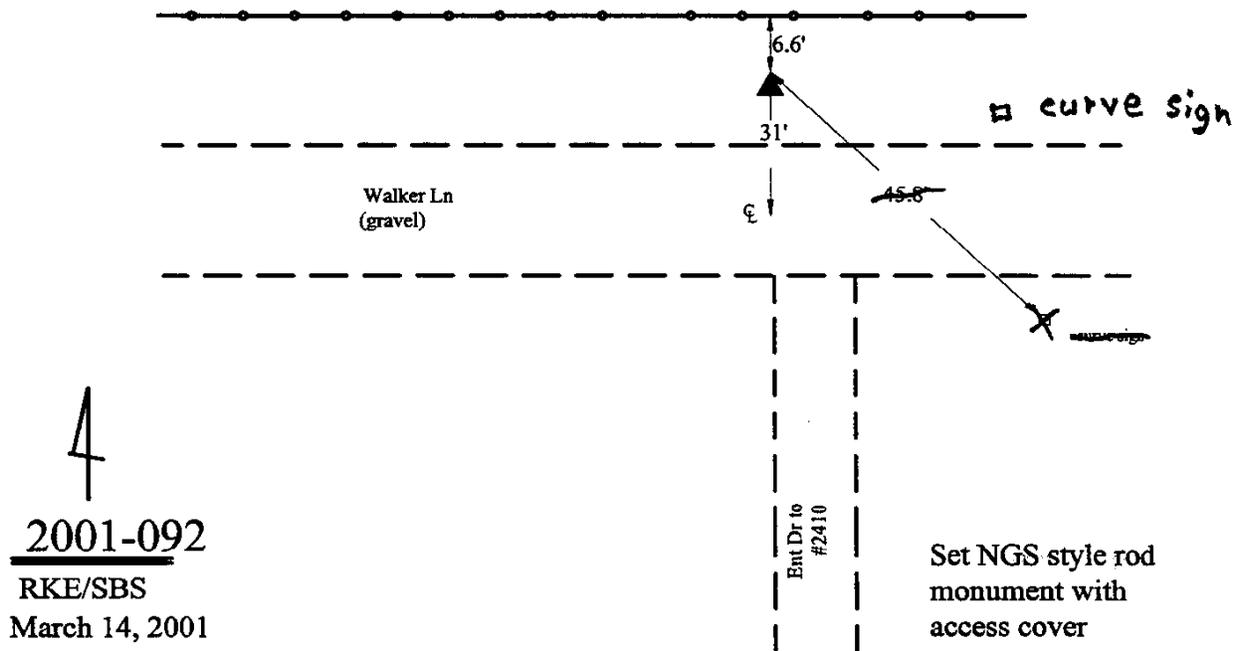
**Designation:** Lee Co. GPS Control Pt. 2001-092 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'08.31581"** Longitude: **W91°27'07.43614"**  
NAVD 88 Ortho Height: **670.040sft** Ellip. Ht: **561.020sft** **Geoid12A**

Iowa South Zone (1402) Northing: **171501.652sft** Easting: **2210334.768sft**  
Mapping Angle: **1°20'56"** Combination Scale Factor: **1.0000062953**

IaRCS Zone 14 Northing: **6273768.858sft** Easting: **24443762.953sft**  
Mapping Angle: **-0°07'52"** Combination Scale Factor: **0.9999948428**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **93**

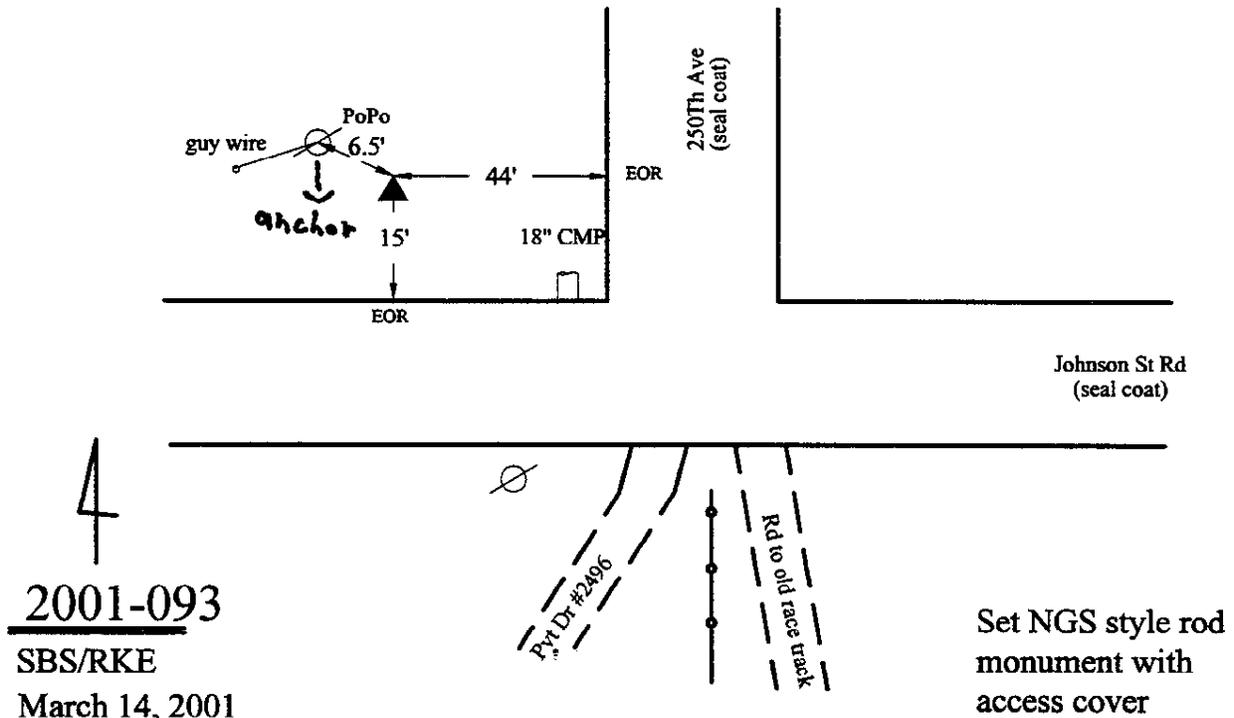
**Designation:** Lee Co. GPS Control Pt. 2001-093 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°24'39.67443"** Longitude: **W91°26'08.71840"**  
NAVD 88 Ortho Height: **651.560sft** Ellip. Ht: **542.643sft** **Geoid12A**

Iowa South Zone (1402) Northing: **156570.377sft** Easting: **2215229.908sft**  
Mapping Angle: **1°21'35"** Combination Scale Factor: **1.0000167539**

IaRCS Zone 14 Northing: **6258716.373sft** Easting: **24448270.712sft**  
Mapping Angle: **-0°07'14"** Combination Scale Factor: **0.9999951634**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **94**

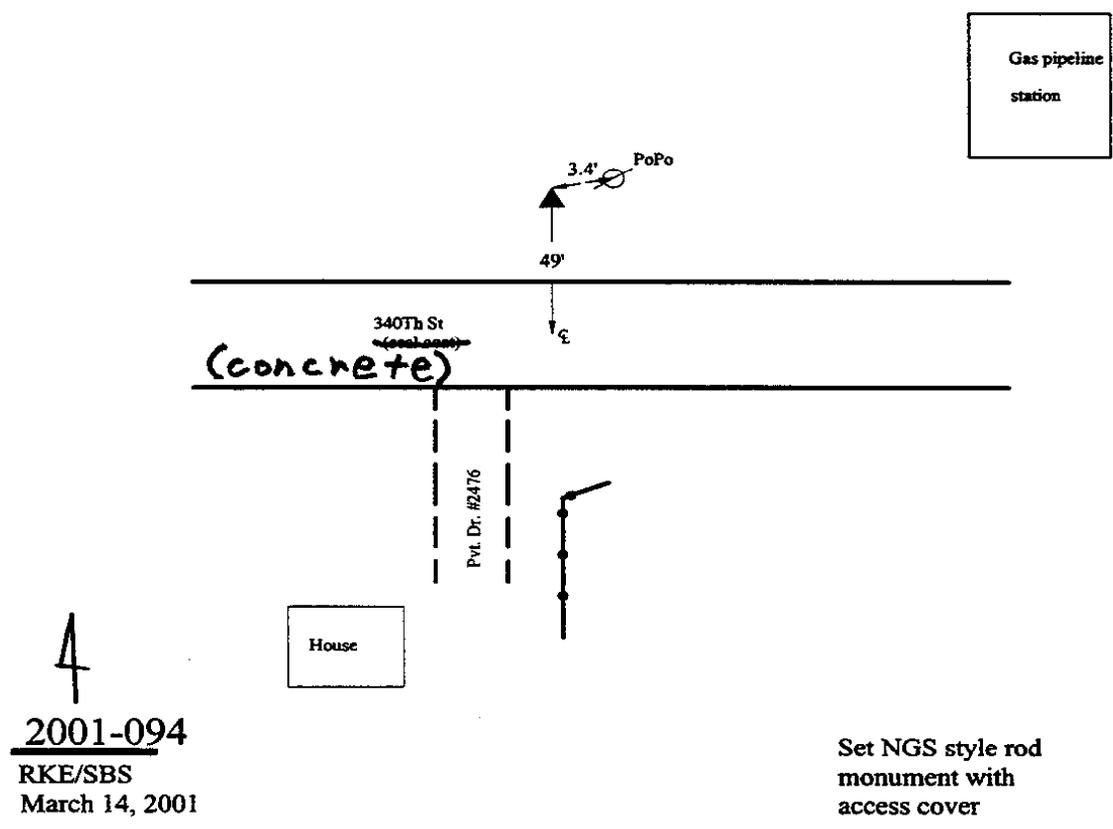
**Designation:** Lee Co. GPS Control Pt. 2001-094 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'55.23876"** Longitude: **W91°26'22.24831"**  
NAVD 88 Ortho Height: **661.040sft** Ellip. Ht: **551.984sft** **Geoid12A**

Iowa South Zone (1402) Northing: **176331.503sft** Easting: **2213714.774sft**  
Mapping Angle: **1°21'26"** Combination Scale Factor: **1.0000038079**

IaRCS Zone 14 Northing: **6278509.741sft** Easting: **24447266.554sft**  
Mapping Angle: **-0°07'23"** Combination Scale Factor: **0.9999948376**

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



**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **95**

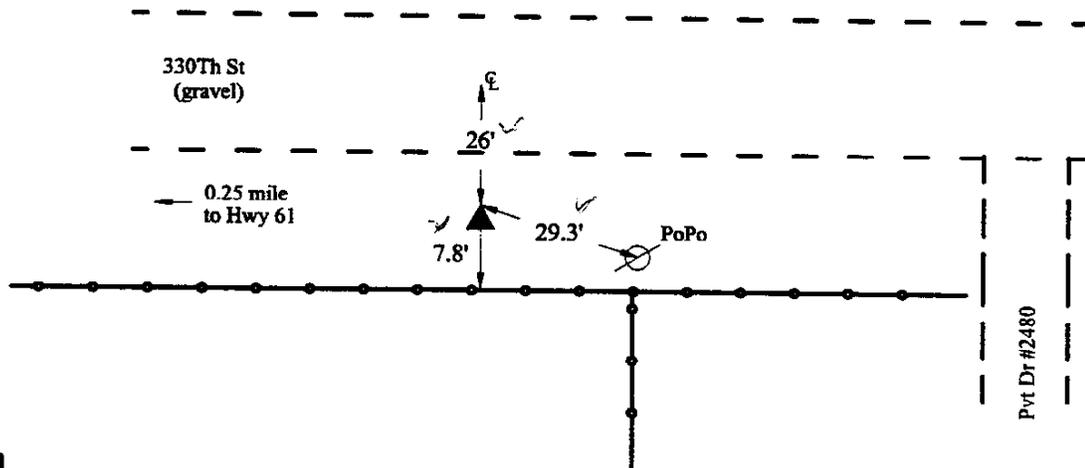
**Designation:** Lee Co. GPS Control Pt. 2001-095 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°28'46.77520"** Longitude: **W91°26'20.35942"**  
NAVD 88 Ortho Height: **655.820sft** Ellip. Ht: **546.739sft** **Geoid12A**

Iowa South Zone (1402) Northing: **181549.076sft** Easting: **2213737.165sft**  
Mapping Angle: **1°21'27"** Combination Scale Factor: **1.0000009115**

IaRCS Zone 14 Northing: **6283724.956sft** Easting: **24447423.719sft**  
Mapping Angle: **-0°07'22"** Combination Scale Factor: **0.9999950690**

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



**2001-095**  
RKE/SBS  
March 14, 2001

Set NGS style rod  
monument with  
access cover

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **96**

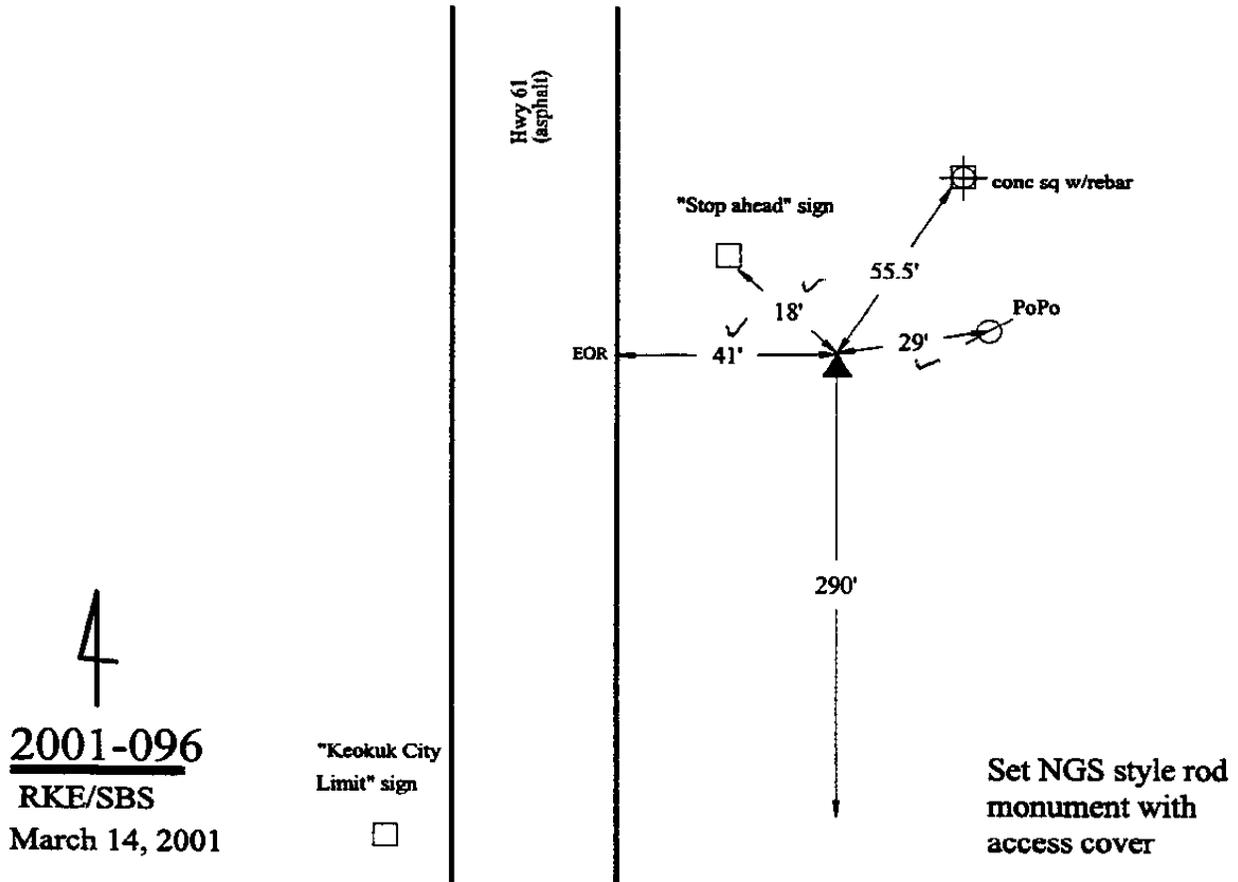
**Designation:** Lee Co. GPS Control Pt. 2001-096 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'36.57888"** Longitude: **W91°25'37.73421"**  
NAVD 88 Ortho Height: **613.220sft** Ellip. Ht: **504.347sft** **Geoid12A**

Iowa South Zone (1402) Northing: **150243.778sft** Easting: **2217778.251sft**  
Mapping Angle: **1°21'55"** Combination Scale Factor: **1.0000228033**

IaRCS Zone 14 Northing: **6252326.211sft** Easting: **24450654.726sft**  
Mapping Angle: **-0°06'53"** Combination Scale Factor: **0.9999967154**

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



**4**  
**2001-096**  
**RKE/SBS**  
**March 14, 2001**

"Keokuk City  
Limit" sign  
□

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **97**

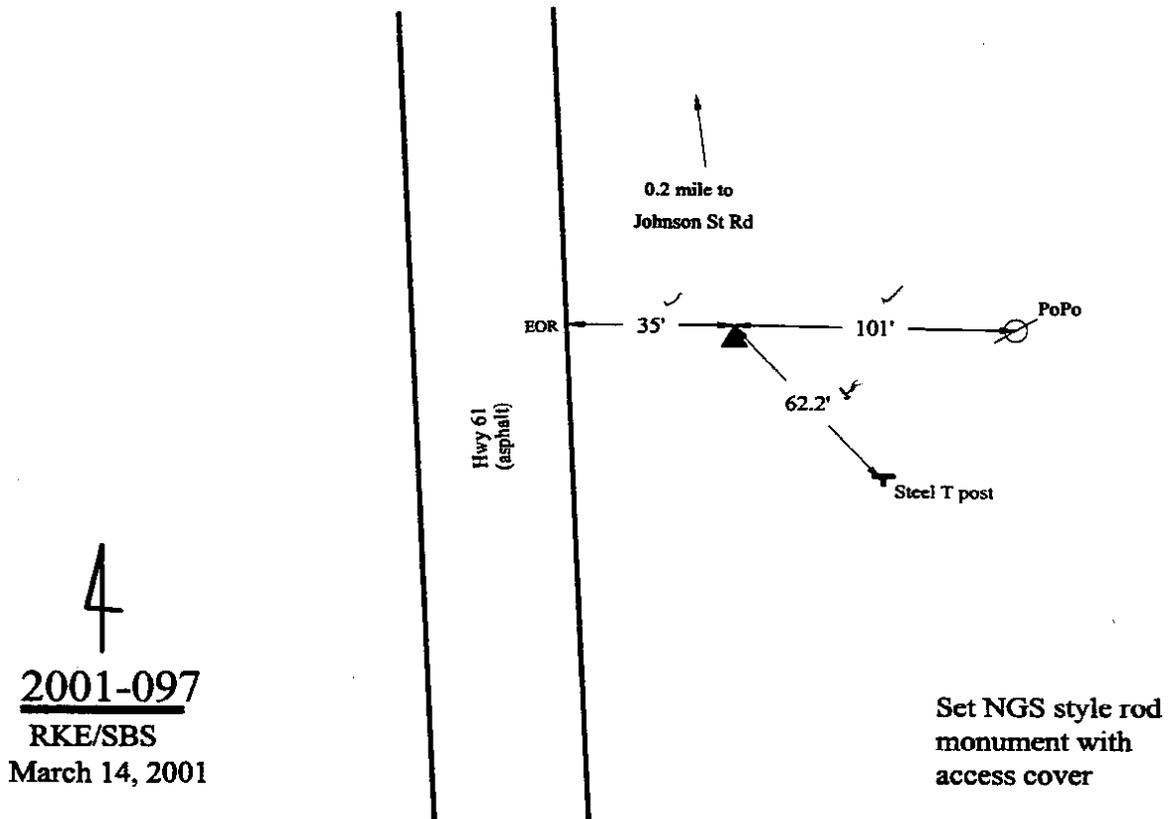
**Designation:** Lee Co. GPS Control Pt. 2001-097 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°24'27.62005"** Longitude: **W91°25'34.41697"**  
NAVD 88 Ortho Height: **628.990sft** Ellip. Ht: **520.079sft** **Geoid12A**

Iowa South Zone (1402) Northing: **155413.906sft** Easting: **2217911.720sft**  
Mapping Angle: **1°21'58"** Combination Scale Factor: **1.0000186302**

laRCS Zone 14 Northing: **6257491.040sft** Easting: **24450921.698sft**  
Mapping Angle: **-0°06'51"** Combination Scale Factor: **0.9999959347**

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



**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **98**

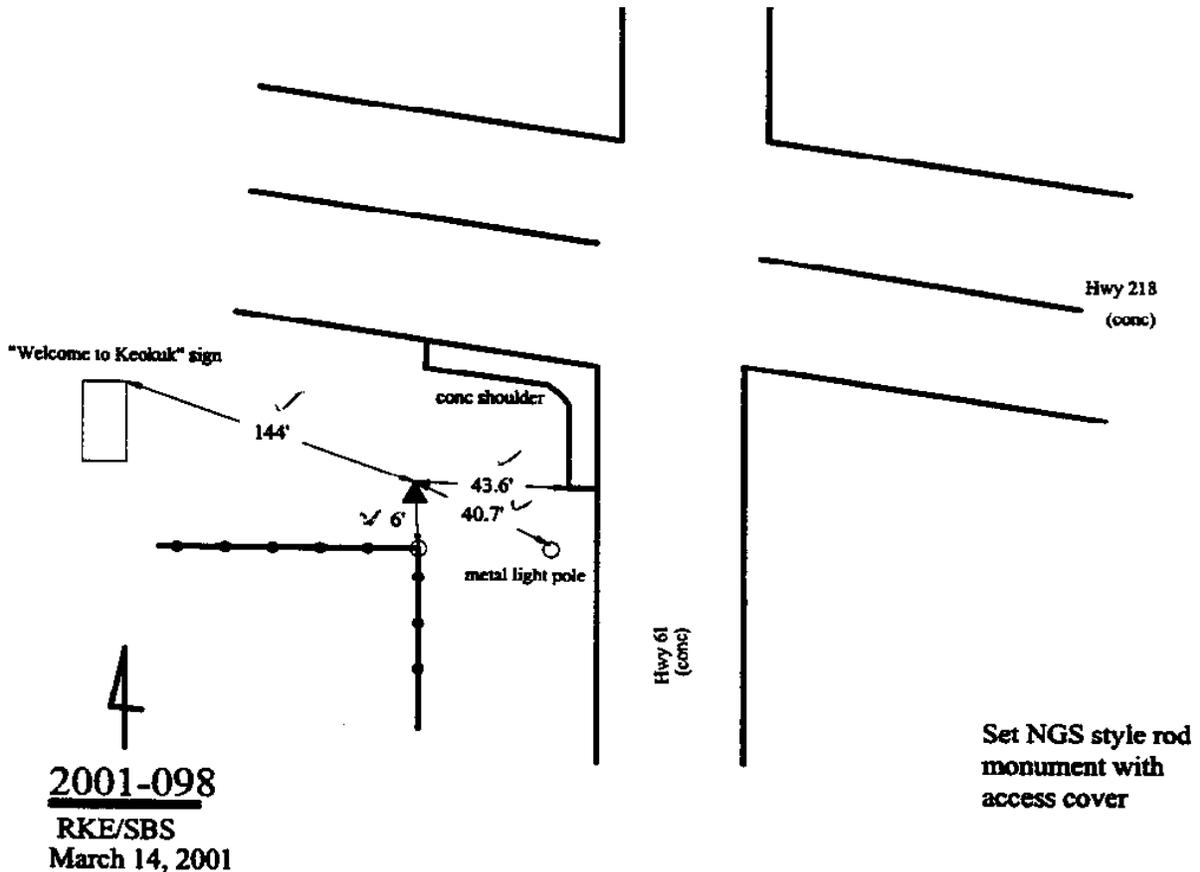
**Designation:** Lee Co. GPS Control Pt. 2001-098 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°26'10.60816"** Longitude: **W91°25'33.31870"**  
NAVD 88 Ortho Height: **666.230sft** Ellip. Ht: **557.237sft** **Geoid12A**

Iowa South Zone (1402) Northing: **165835.576sft** Easting: **2217748.161sft**  
Mapping Angle: **1°21'58"** Combination Scale Factor: **1.0000101350**

IaRCS Zone 14 Northing: **6267913.256sft** Easting: **24451027.410sft**  
Mapping Angle: **-0°06'51"** Combination Scale Factor: **0.9999941497**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **99**

**Designation:** Lee Co. GPS Control Pt. 2001-099 (Set by ASI in 2001)

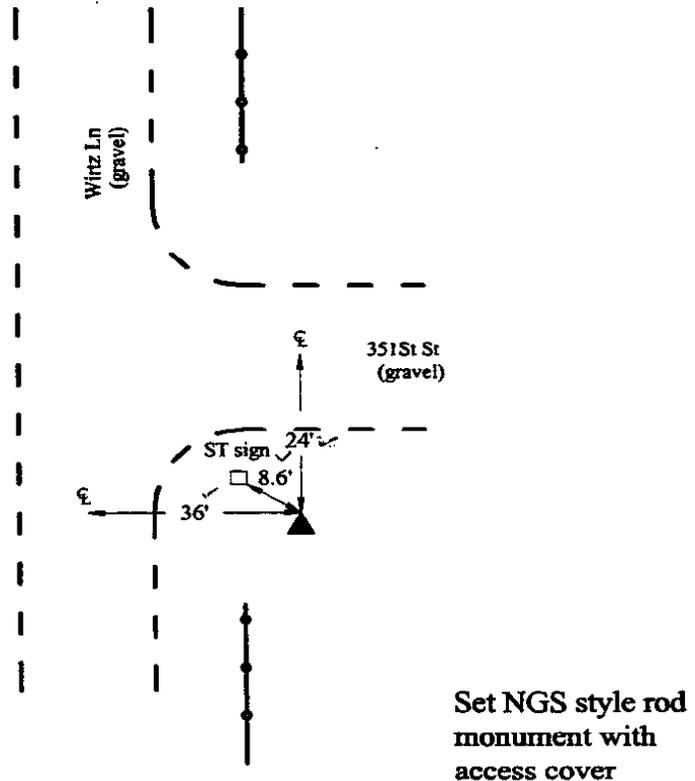
NAD 83(NA2011) Latitude: **N40°26'57.67867"** Longitude: **W91°25'31.42173"**  
NAVD 88 Ortho Height: **660.110sft** Ellip. Ht: **551.082sft** **Geoid12A**

Iowa South Zone (1402) Northing: **170601.345sft** Easting: **2217781.203sft**  
Mapping Angle: **1°22'00"** Combination Scale Factor: **1.0000074382**

IaRCS Zone 14 Northing: **6272676.512sft** Easting: **24451183.556sft**  
Mapping Angle: **-0°06'50"** Combination Scale Factor: **0.9999944259**

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

4  
**2001-099**  
SBS/RKE  
March 14, 2001



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **100**

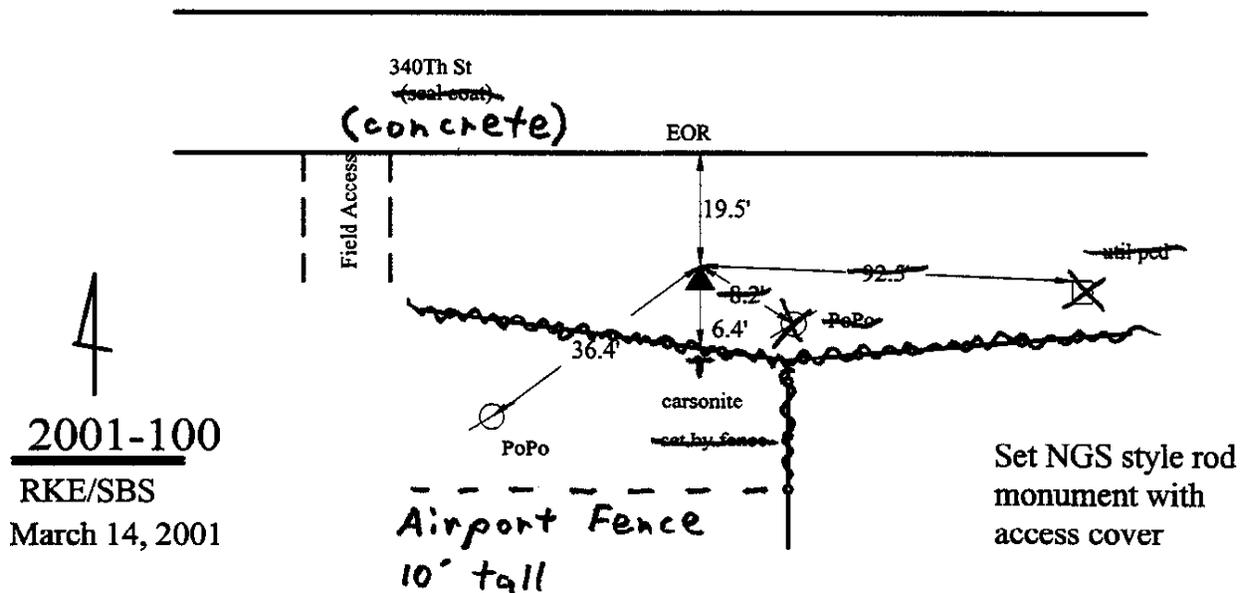
**Designation:** Lee Co. GPS Control Pt. 2001-100 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°27'53.88698"** Longitude: **W91°25'31.35659"**  
NAVD 88 Ortho Height: **670.640sft** Ellip. Ht: **561.575sft** **Geoid12A**

Iowa South Zone (1402) Northing: **176288.232sft** Easting: **2217650.578sft**  
Mapping Angle: **1°22'00"** Combination Scale Factor: **1.0000034336**

IaRCS Zone 14 Northing: **6278364.811sft** Easting: **24451199.890sft**  
Mapping Angle: **-0°06'50"** Combination Scale Factor: **0.9999939234**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **101**

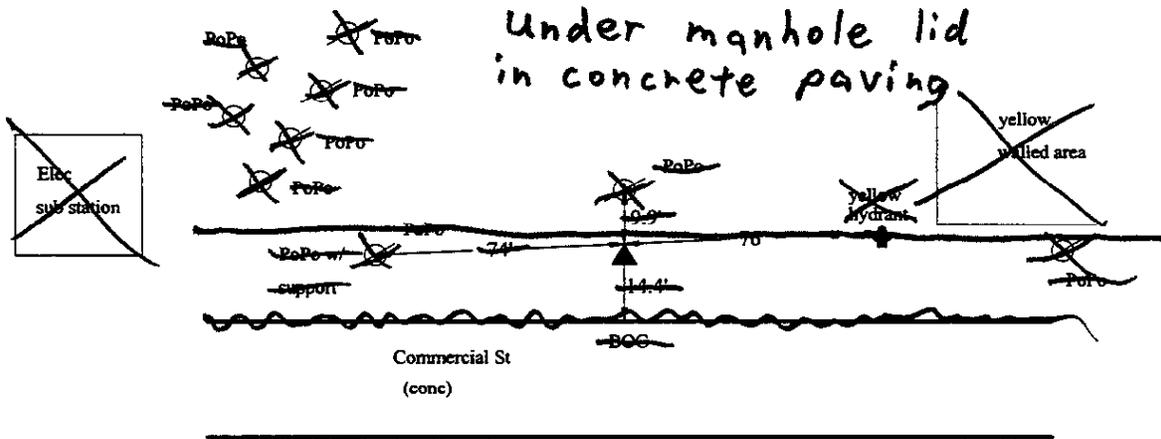
**Designation:** Lee Co. GPS Control Pt. 2001-101 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'10.35119"** Longitude: **W91°24'35.82318"**  
NAVD 88 Ortho Height: **497.130sft** Ellip. Ht: **388.262sft** **Geoid12A**

Iowa South Zone (1402) Northing: **147704.867sft** Easting: **2222631.212sft**  
Mapping Angle: **1°22'36"** Combination Scale Factor: **1.0000301252**

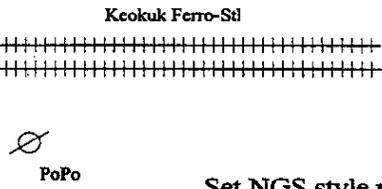
IaRCS Zone 14 Northing: **6249662.854sft** Easting: **24455440.350sft**  
Mapping Angle: **-0°06'13"** Combination Scale Factor: **1.0000017413**

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



4

**2001-101**  
RKE/SBS  
March 14, 2001



Set NGS style rod monument with access cover

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **102**

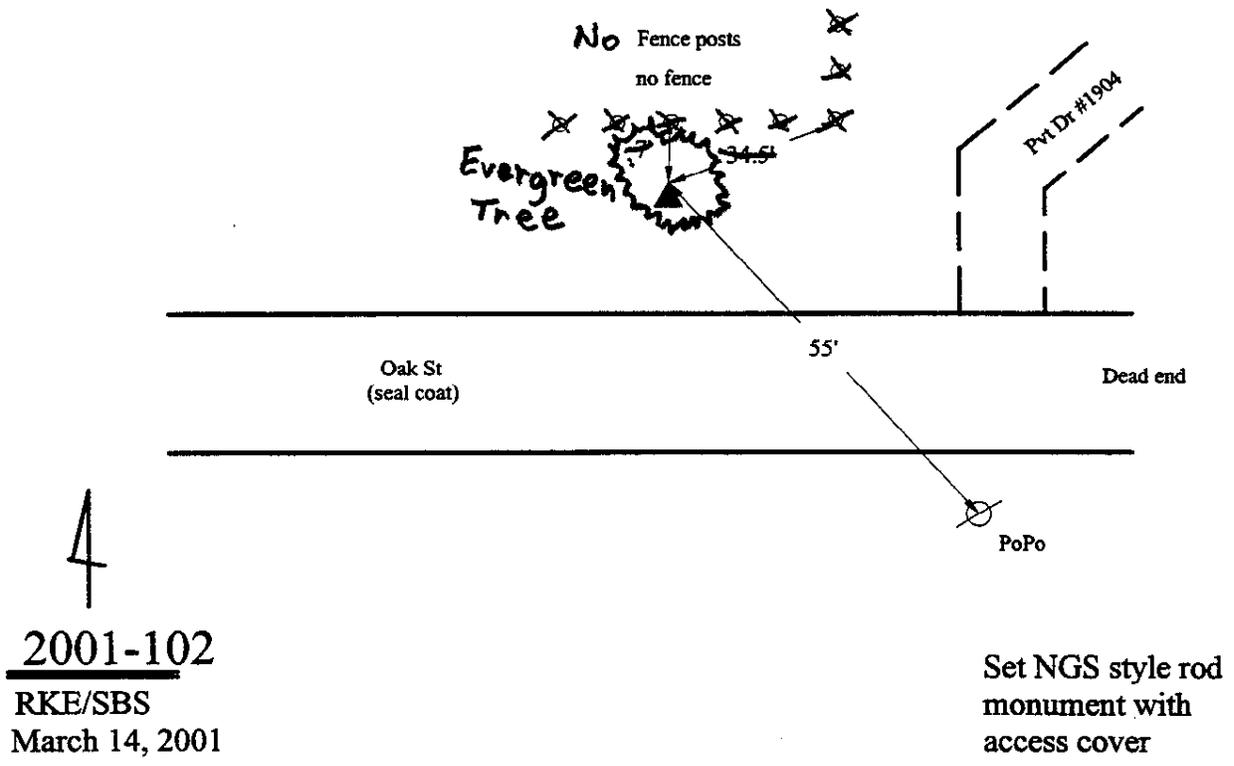
**Designation:** Lee Co. GPS Control Pt. 2001-102 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'33.05574"** Longitude: **W91°24'29.40173"**  
NAVD 88 Ortho Height: **647.800sft** Ellip. Ht: **538.915sft** **Geoid12A**

Iowa South Zone (1402) Northing: **150013.899sft** Easting: **2223072.750sft**  
Mapping Angle: **1°22'40"** Combination Scale Factor: **1.0000213922**

laRCS Zone 14 Northing: **6251959.645sft** Easting: **24455941.380sft**  
Mapping Angle: **-0°06'09"** Combination Scale Factor: **0.9999945014**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **104**

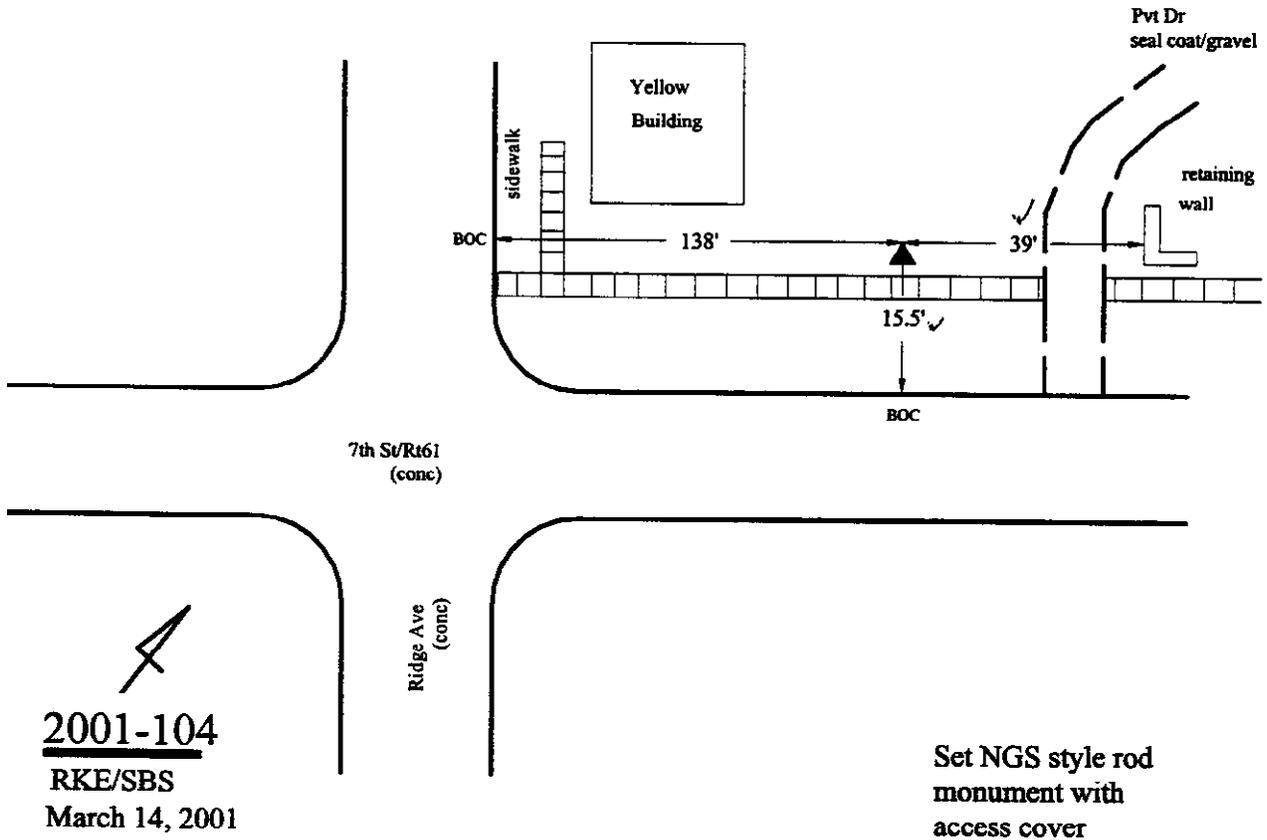
**Designation:** Lee Co. GPS Control Pt. 2001-104(Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'33.54622"** Longitude: **W91°23'34.42864"**  
NAVD 88 Ortho Height: **556.650sft** Ellip. Ht: **447.750sft** **Geoid12A**

Iowa South Zone (1402) Northing: **150166.184sft** Easting: **2227324.086sft**  
Mapping Angle: **1°23'17"** Combination Scale Factor: **1.0000257095**

IaRCS Zone 14 Northing: **6252002.040sft** Easting: **24460195.116sft**  
Mapping Angle: **-0°05'33"** Combination Scale Factor: **0.9999984440**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **105**

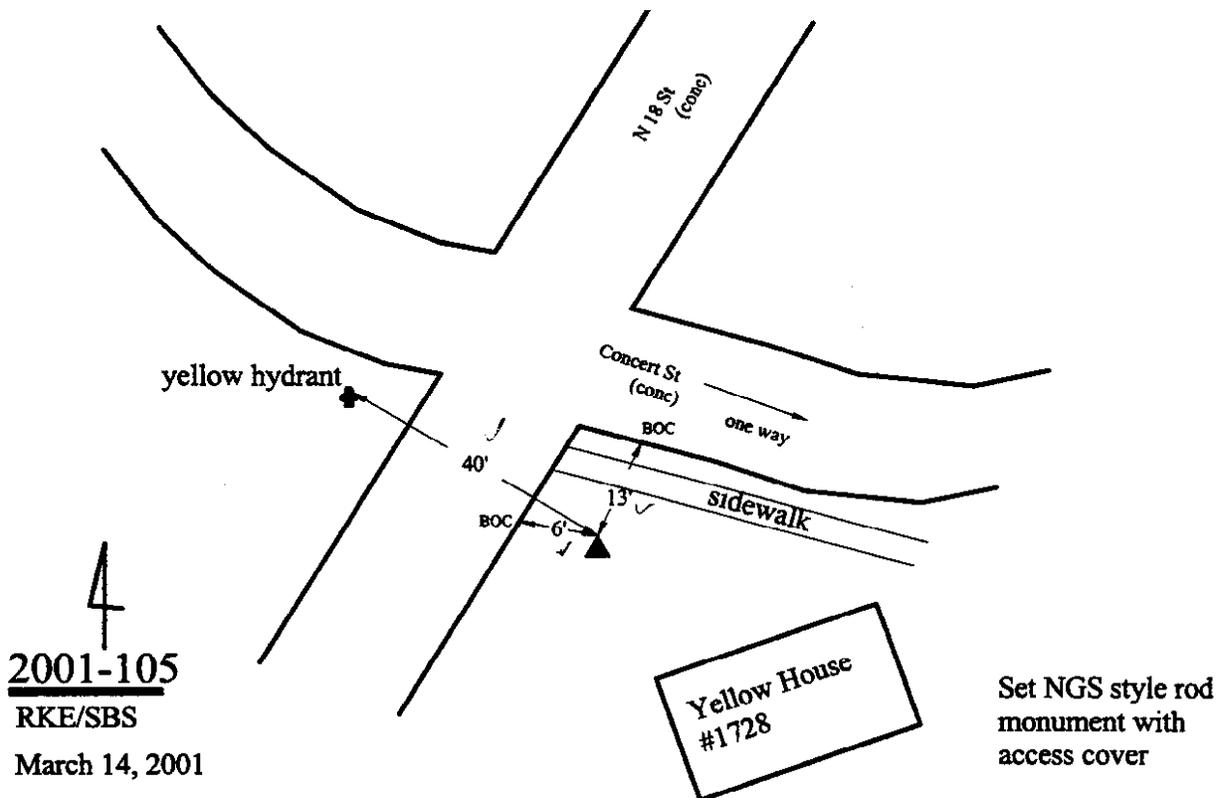
**Designation:** Lee Co. GPS Control Pt. 2001-105 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°24'25.88792"** Longitude: **W91°23'30.94210"**  
NAVD 88 Ortho Height: **603.410sft** Ellip. Ht: **494.469sft** **Geoid12A**

Iowa South Zone (1402) Northing: **155468.259sft** Easting: **2227465.427sft**  
Mapping Angle: **1°23'19"** Combination Scale Factor: **1.0000199674**

IaRCS Zone 14 Northing: **6257298.558sft** Easting: **24460473.398sft**  
Mapping Angle: **-0°05'31"** Combination Scale Factor: **0.9999961894**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **106**

**Designation:** Lee Co. GPS Control Pt. 2001-106 (Set by ASI in 2001)

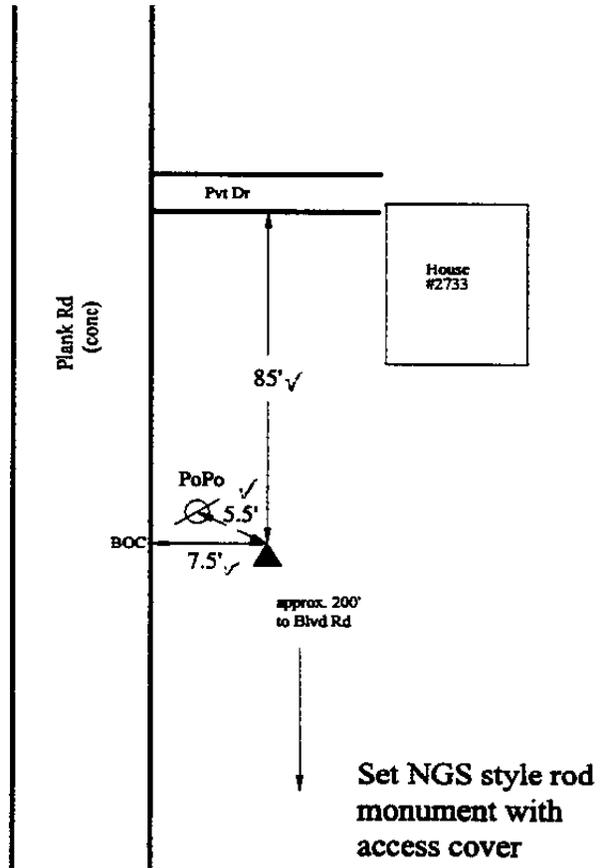
NAD 83(NA2011) Latitude: **N40°25'01.62445"** Longitude: **W91°23'54.35752"**  
NAVD 88 Ortho Height: **662.220sft** Ellip. Ht: **553.261sft** **Geoid12A**

Iowa South Zone (1402) Northing: **159039.986sft** Easting: **2225567.118sft**  
Mapping Angle: **1°23'03"** Combination Scale Factor: **1.0000148001**

IaRCS Zone 14 Northing: **6260918.059sft** Easting: **24458668.049sft**  
Mapping Angle: **-0°05'46"** Combination Scale Factor: **0.9999935507**

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

4  
2001-106  
RKE/SBS  
March 14, 2001



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **107 (Destroyed)**

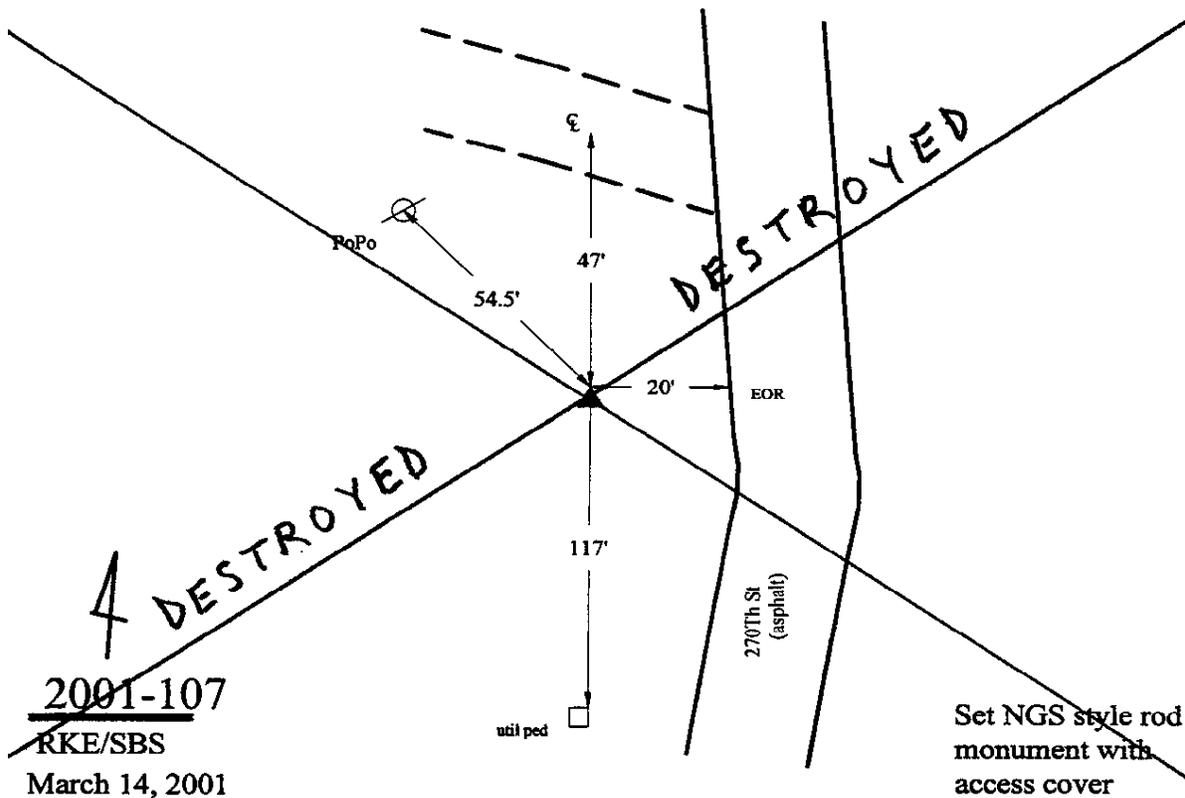
**Designation:** Lee Co. GPS Control Pt. 2001-107 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: ~~**N40°27'17.261648"**~~ Longitude: ~~**W91°24'01.424033"**~~  
NAVD 88 Ortho Height: ~~**663.53sft**~~ Ellip. Ht: ~~**554.62sft**~~ ~~**Geoid96C**~~

Iowa South Zone (1402) Northing: ~~**172749.54sft**~~ Easting: ~~**2224689.37sft**~~  
Mapping Angle: ~~**1°22'59"**~~ Combination Scale Factor: ~~**1.00000598**~~

IaRCS Zone 14 Northing: ~~**N/Asft**~~ Easting: ~~**N/Asft**~~  
Mapping Angle: ~~**N/A**~~ Combination Scale Factor: ~~**N/A**~~

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **108**

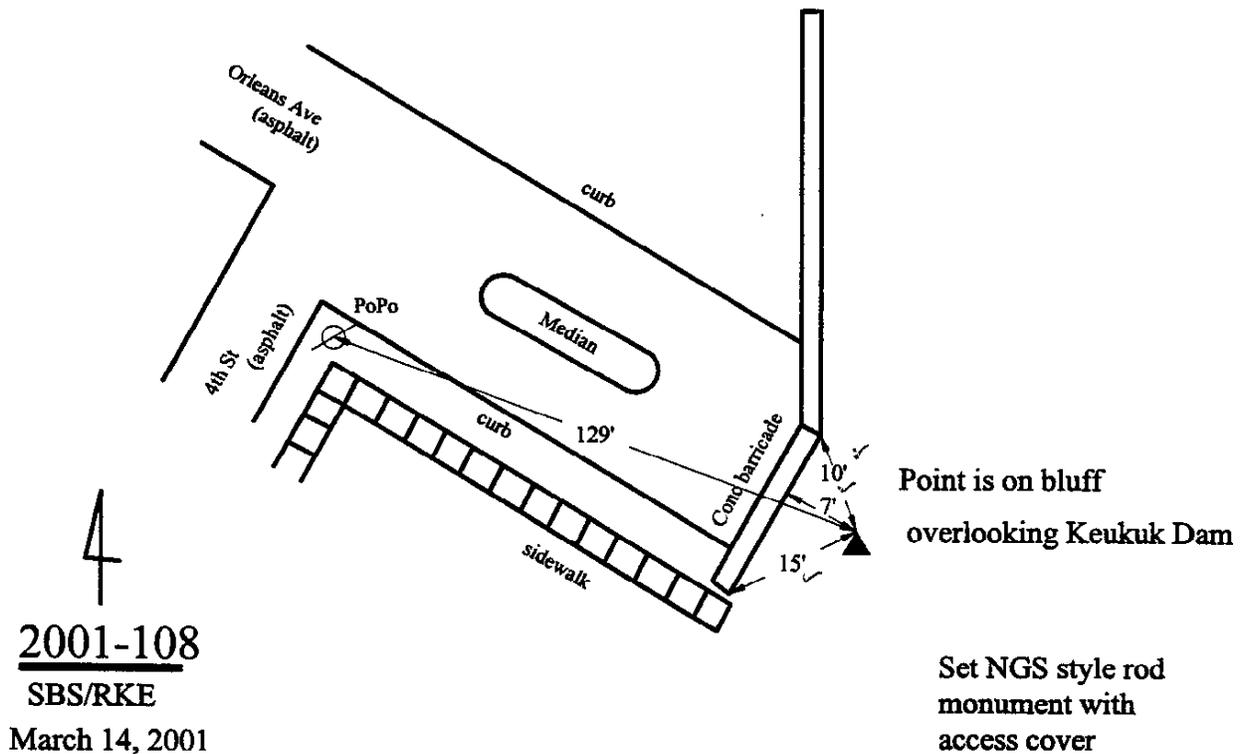
**Designation:** Lee Co. GPS Control Pt. 2001-108 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°23'56.71015"** Longitude: **W91°22'29.72574"**  
NAVD 88 Ortho Height: **609.660sft** Ellip. Ht: **500.718sft** **Geoid12A**

Iowa South Zone (1402) Northing: **152631.514sft** Easting: **2232271.992sft**  
Mapping Angle: **1°23'59"** Combination Scale Factor: **1.0000216195**

IaRCS Zone 14 Northing: **6254338.633sft** Easting: **24465204.939sft**  
Mapping Angle: **-0°04'51"** Combination Scale Factor: **0.9999954892**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **109**

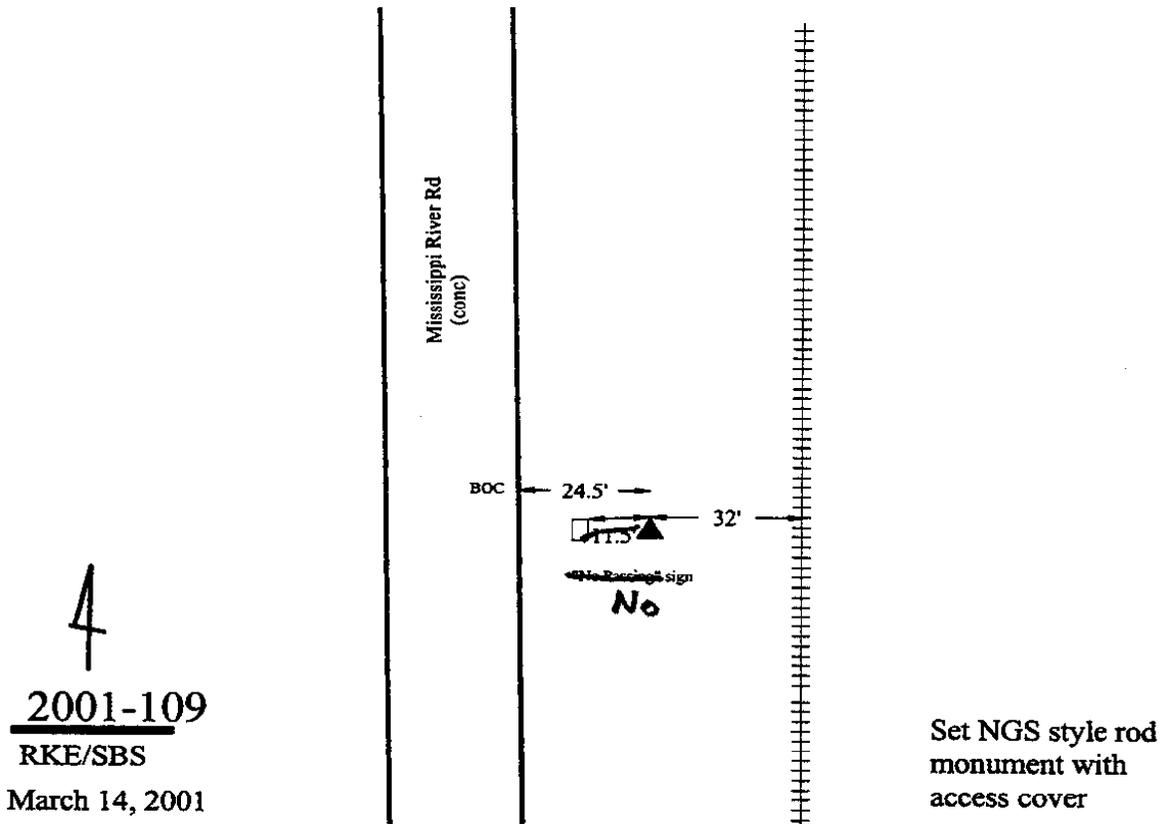
**Designation:** Lee Co. GPS Control Pt. 2001-109 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°26'09.76177"** Longitude: **W91°23'22.91753"**  
NAVD 88 Ortho Height: **522.120sft** Ellip. Ht: **413.087sft** **Geoid12A**

Iowa South Zone (1402) Northing: **165992.464sft** Easting: **2227831.030sft**  
Mapping Angle: **1°23'24"** Combination Scale Factor: **1.0000170681**

laRCS Zone 14 Northing: **6267809.588sft** Easting: **24461110.800sft**  
Mapping Angle: **-0°05'26"** Combination Scale Factor: **1.0000000158**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **110**

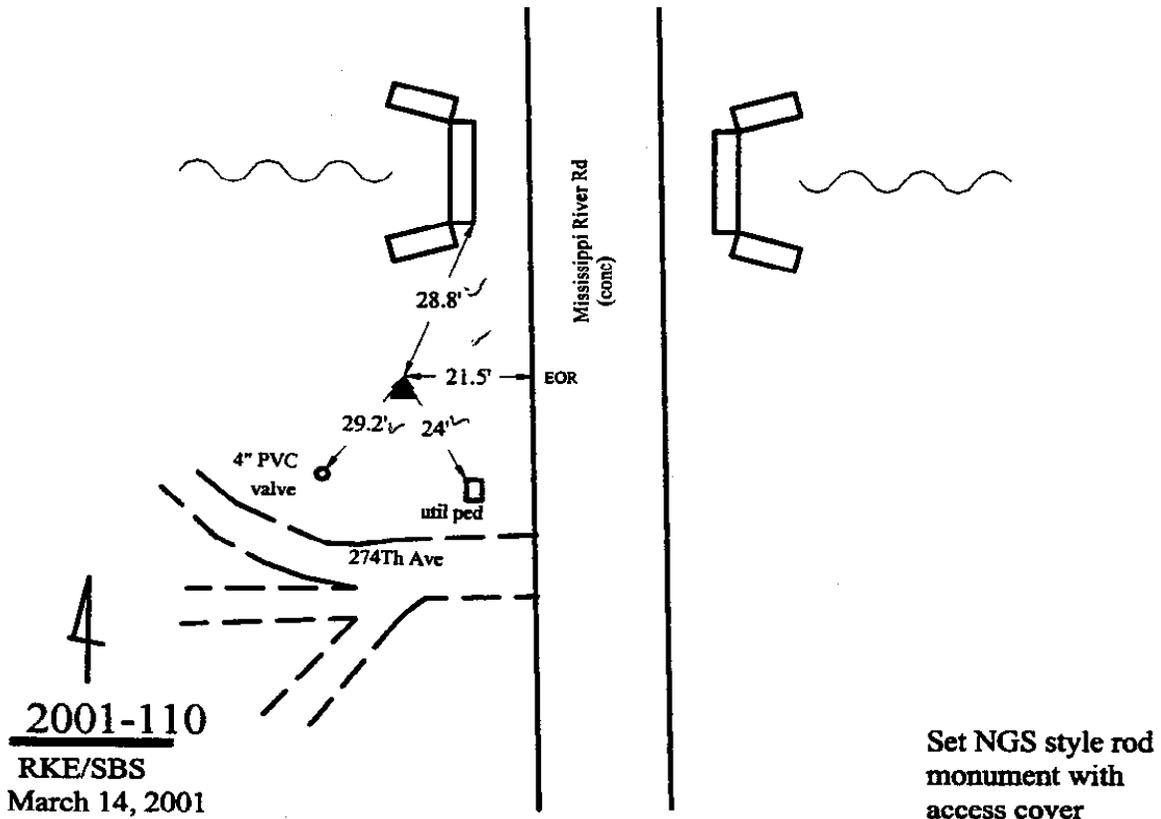
**Designation:** Lee Co. GPS Control Pt. 2001-110 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°26'59.20625"** Longitude: **W91°23'23.68454"**  
NAVD 88 Ortho Height: **519.360sft** Ellip. Ht: **410.294sft** **Geoid12A**

Iowa South Zone (1402) Northing: **170993.429sft** Easting: **2227650.360sft**  
Mapping Angle: **1°23'24"** Combination Scale Factor: **1.0000140604**

IaRCS Zone 14 Northing: **6272813.474sft** Easting: **24461059.415sft**  
Mapping Angle: **-0°05'27"** Combination Scale Factor: **1.0000001537**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
 Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
 Iowa State Plane South Zone (1402)  
 Iowa Regional Coordinate System Zone 14 Burlington  
 US Survey Feet  
**2014**

Point Name: **111**

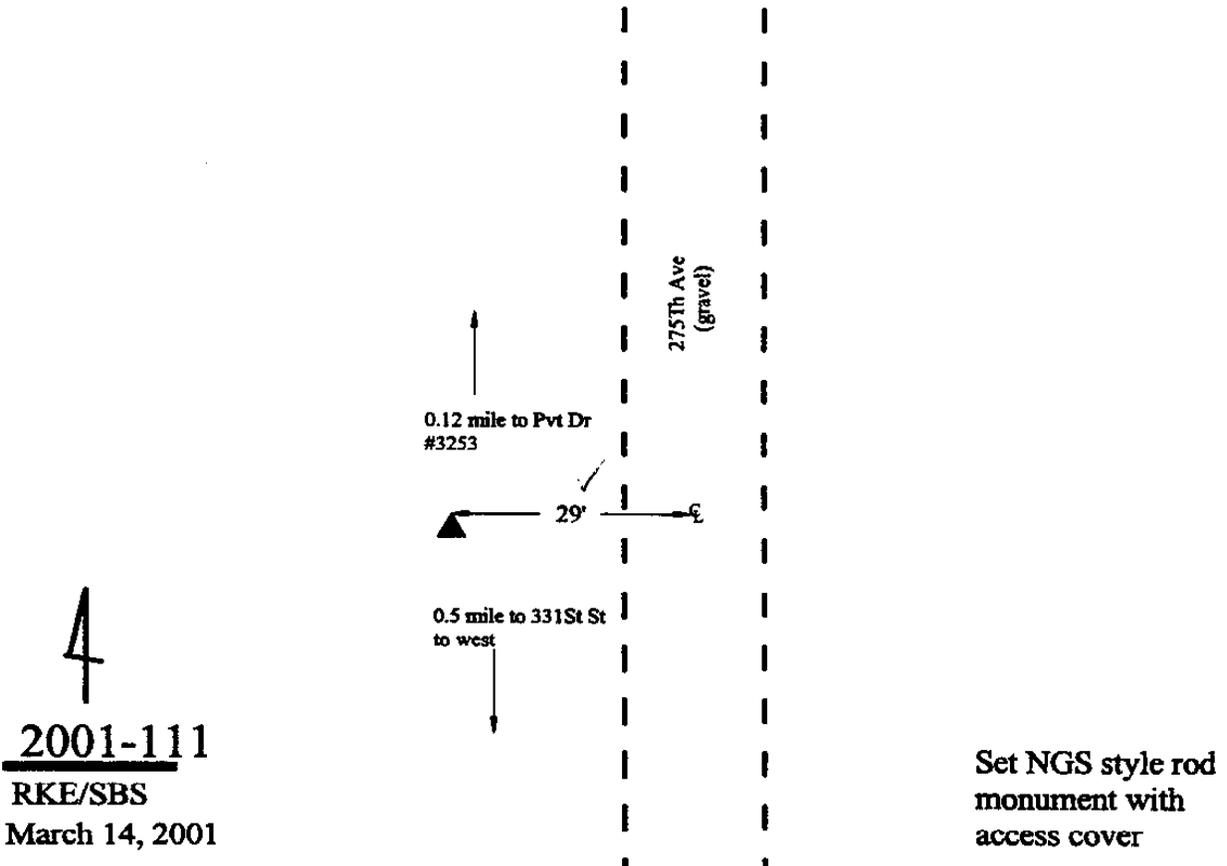
**Designation:** Lee Co. GPS Control Pt. 2001-111 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°29'02.96469"** Longitude: **W91°23'12.10765"**  
 NAVD 88 Ortho Height: **652.370sft** Ellip. Ht: **543.247sft** **Geoid12A**

Iowa South Zone (1402) Northing: **183536.036sft** Easting: **2228240.875sft**  
 Mapping Angle: **1°23'31"** Combination Scale Factor: **1.0000001023**

IaRCS Zone 14 Northing: **6285336.506sft** Easting: **24461973.835sft**  
 Mapping Angle: **-0°05'19"** Combination Scale Factor: **0.9999937288**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **112**

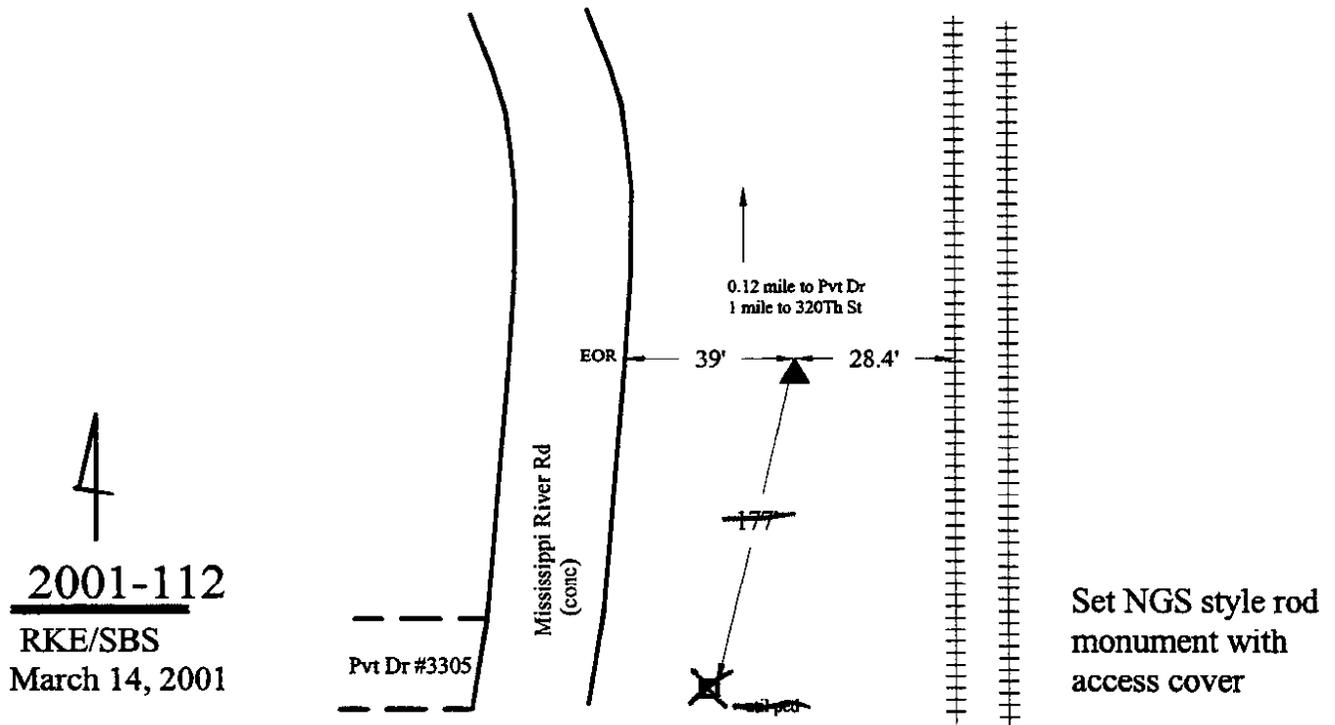
**Designation:** Lee Co. GPS Control Pt. 2001-112 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°28'41.60963"** Longitude: **W91°22'32.37109"**  
NAVD 88 Ortho Height: **523.160sft** Ellip. Ht: **414.033sft** **Geoid12A**

Iowa South Zone (1402) Northing: **181450.299sft** Easting: **2231363.289sft**  
Mapping Angle: **1°23'58"** Combination Scale Factor: **1.0000075568**

IaRCS Zone 14 Northing: **6283170.791sft** Easting: **24465041.284sft**  
Mapping Angle: **-0°04'54"** Combination Scale Factor: **0.9999996389**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **113**

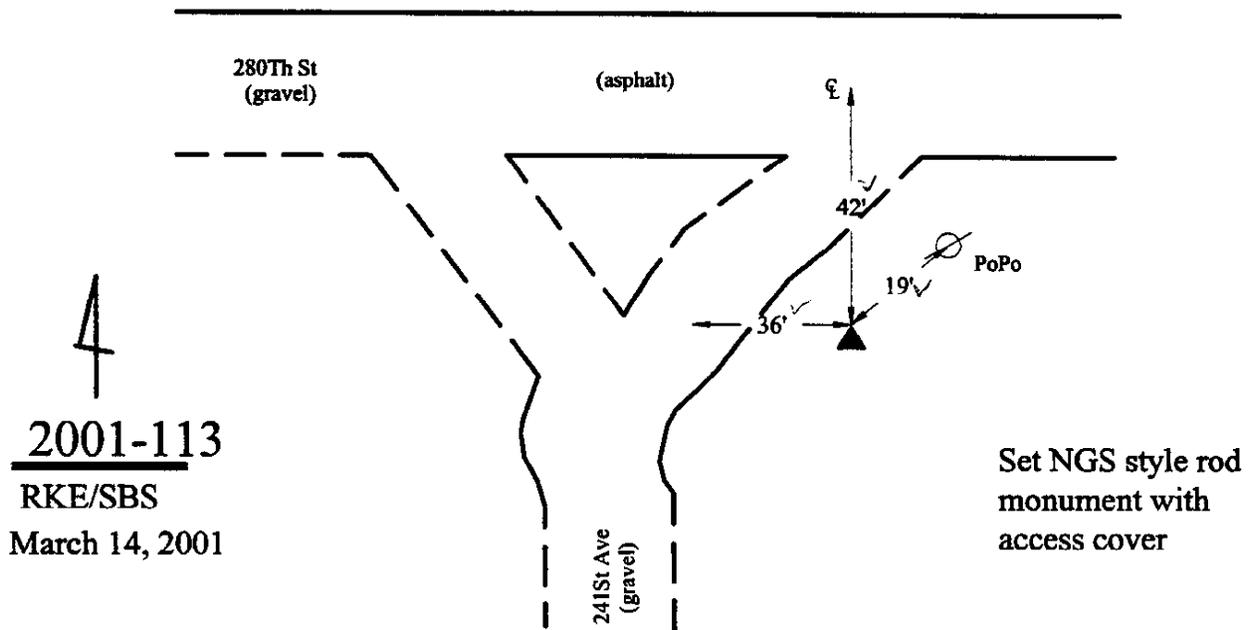
**Designation:** Lee Co. GPS Control Pt. 2001-113 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'08.57035"** Longitude: **W91°27'05.13456"**  
NAVD 88 Ortho Height: **549.450sft** Ellip. Ht: **440.277sft** **Geoid12A**

Iowa South Zone (1402) Northing: **207954.086sft** Easting: **2209654.086sft**  
Mapping Angle: **1°20'58"** Combination Scale Factor: **0.9999909574**

IaRCS Zone 14 Northing: **6310226.688sft** Easting: **24444024.129sft**  
Mapping Angle: **-0°07'51"** Combination Scale Factor: **1.0000005712**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **114**

**Designation:** Lee Co. GPS Control Pt. 2001-114 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°34'01.75108"** Longitude: **W91°27'03.82259"**

NAVD 88 Ortho Height: **549.920sft** Ellip. Ht: **440.744sft** **Geoid12A**

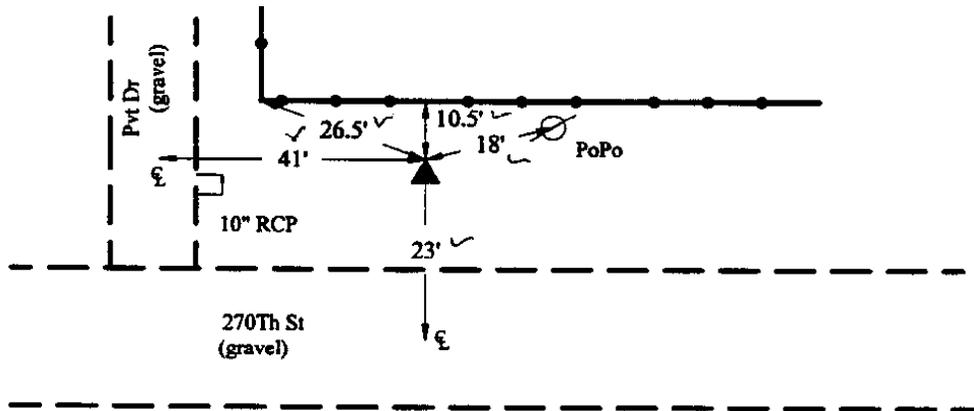
Iowa South Zone (1402) Northing: **213336.947sft** Easting: **2209628.570sft**

Mapping Angle: **1°20'59"** Combination Scale Factor: **0.9999880752**

IaRCS Zone 14 Northing: **6315608.470sft** Easting: **24444137.686sft**

Mapping Angle: **-0°07'51"** Combination Scale Factor: **1.0000005344**

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



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**2001-114**

**RKE/SBS**

**March 14, 2001**

**Set NGS style rod  
monument with  
access cover**

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **115**

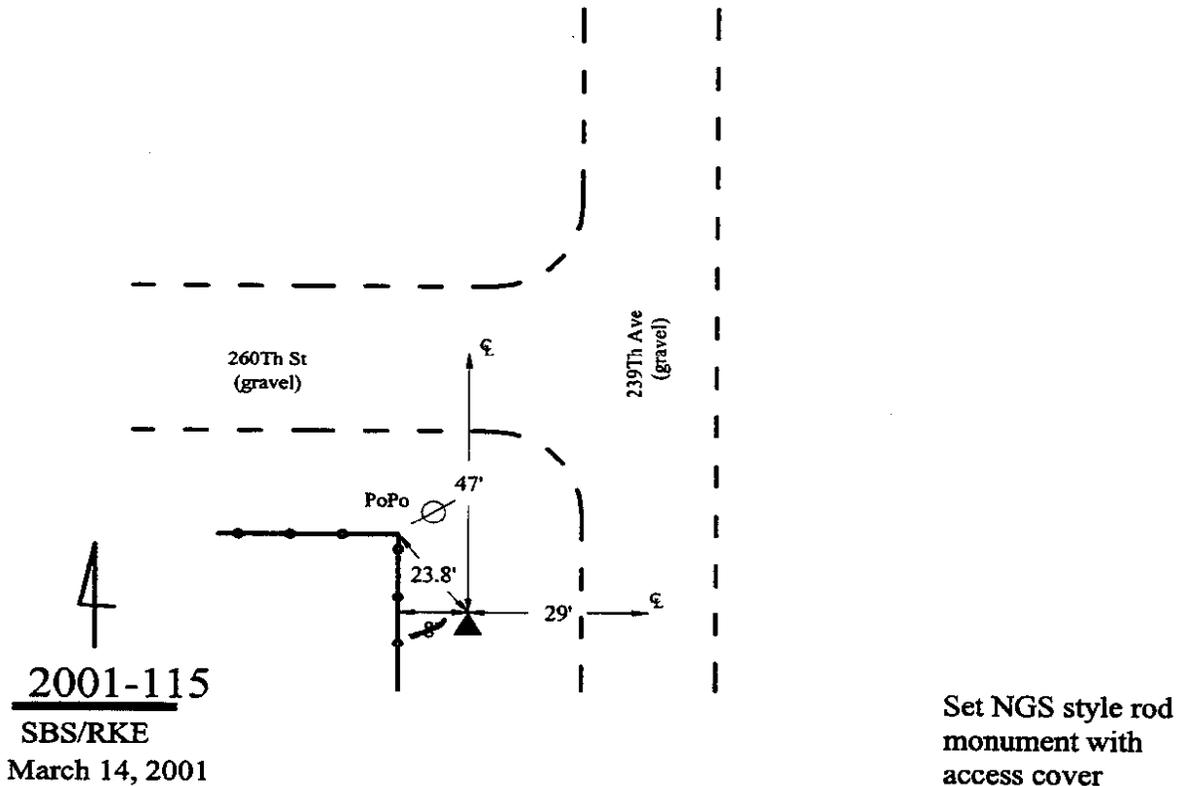
**Designation:** Lee Co. GPS Control Pt. 2001-115 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°34'53.58646"** Longitude: **W91°27'19.15353"**  
NAVD 88 Ortho Height: **564.470sft** Ellip. Ht: **455.298sft** **Geoid12A**

Iowa South Zone (1402) Northing: **218553.474sft** Easting: **2208322.415sft**  
Mapping Angle: **1°20'49"** Combination Scale Factor: **0.9999846563**

IaRCS Zone 14 Northing: **6320857.073sft** Easting: **24442966.720sft**  
Mapping Angle: **-0°08'01"** Combination Scale Factor: **0.9999999910**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **116**

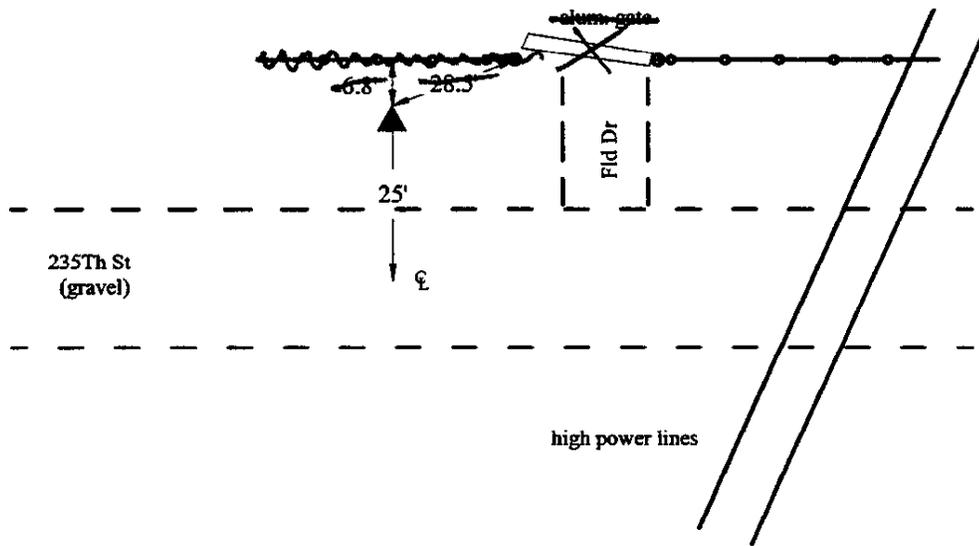
**Designation:** Lee Co. GPS Control Pt. 2001-116 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°36'38.64257"** Longitude: **W91°26'51.04503"**  
NAVD 88 Ortho Height: **548.670sft** Ellip. Ht: **439.508sft** **Geoid12A**

Iowa South Zone (1402) Northing: **229233.417sft** Easting: **2210239.797sft**  
Mapping Angle: **1°21'07"** Combination Scale Factor: **0.9999800792**

IaRCS Zone 14 Northing: **6331484.104sft** Easting: **24445159.430sft**  
Mapping Angle: **-0°07'43"** Combination Scale Factor: **1.0000004641**

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



**2001-116**

RKE/SBS

March 14, 2001

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **117**

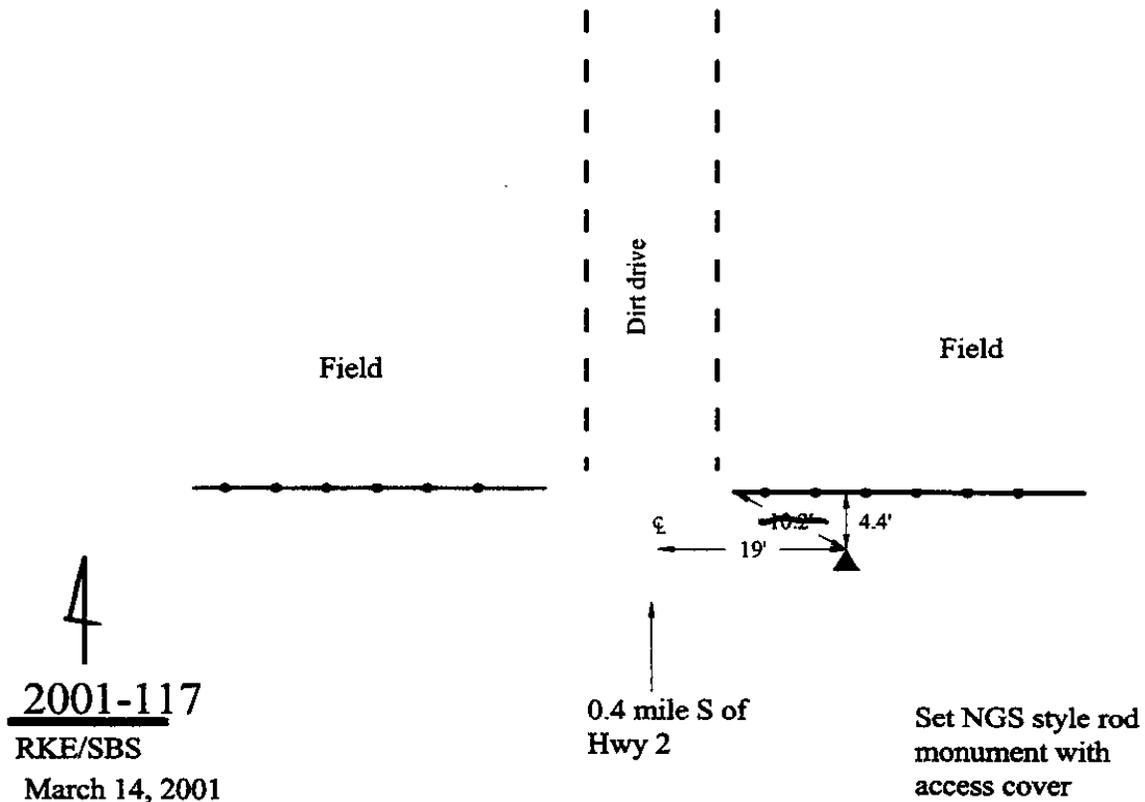
**Designation:** Lee Co. GPS Control Pt. 2001-117 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°37'39.64932"** Longitude: **W91°25'51.44911"**  
NAVD 88 Ortho Height: **653.050sft** Ellip. Ht: **543.906sft** **Geoid12A**

Iowa South Zone (1402) Northing: **235514.525sft** Easting: **2214688.021sft**  
Mapping Angle: **1°21'46"** Combination Scale Factor: **0.9999721196**

IaRCS Zone 14 Northing: **6337648.310sft** Easting: **24449768.566sft**  
Mapping Angle: **-0°07'04"** Combination Scale Factor: **0.9999949287**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**  
 Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
 Iowa State Plane South Zone (1402)  
 Iowa Regional Coordinate System Zone 14 Burlington  
 US Survey Feet  
**2014**

Point Name: **118**

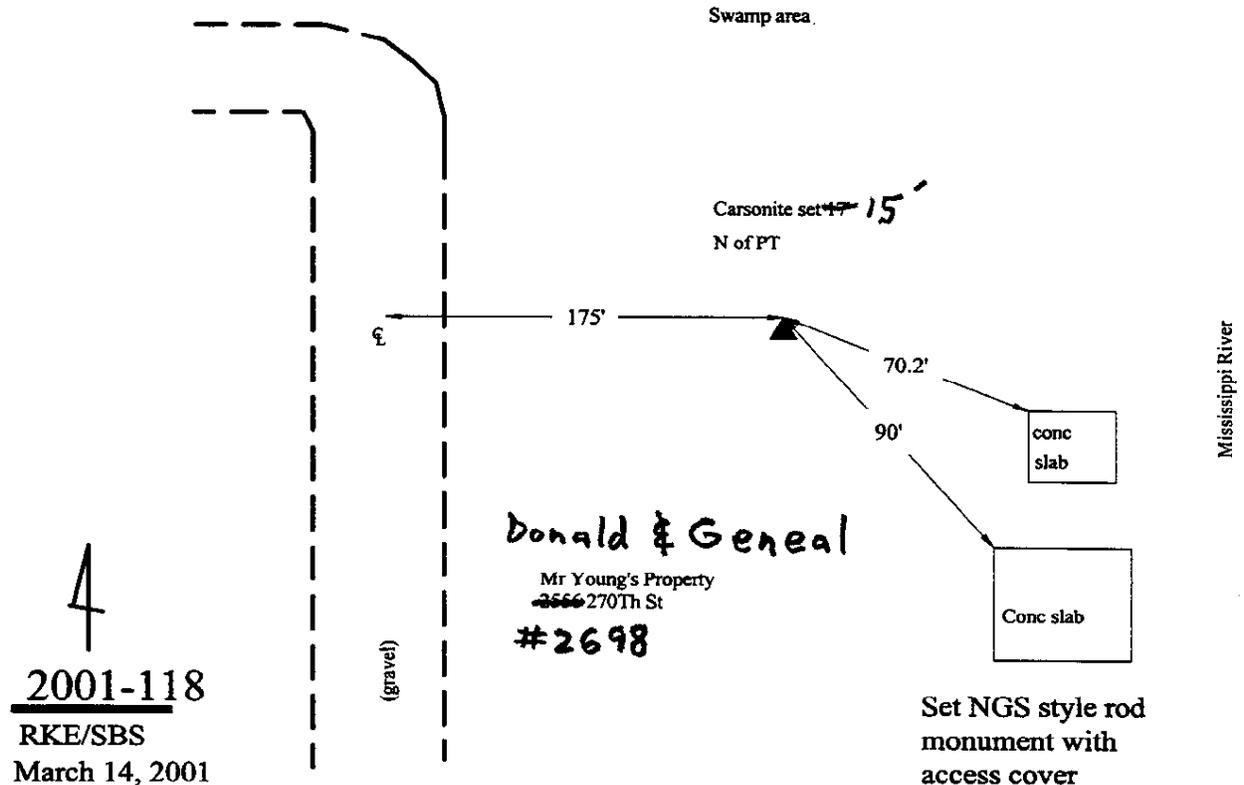
**Designation:** Lee Co. GPS Control Pt. 2001-118 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°33'58.01185"** Longitude: **W91°25'17.36495"**  
 NAVD 88 Ortho Height: **520.460sft** Ellip. Ht: **411.263sft** **Geoid12A**

Iowa South Zone (1402) Northing: **213153.550sft** Easting: **2217851.284sft**  
 Mapping Angle: **1°22'09"** Combination Scale Factor: **0.9999896810**

IaRCS Zone 14 Northing: **6315212.679sft** Easting: **24452353.015sft**  
 Mapping Angle: **-0°06'41"** Combination Scale Factor: **1.0000009692**

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



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**2001-118**  
 RKE/SBS  
 March 14, 2001

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **119**

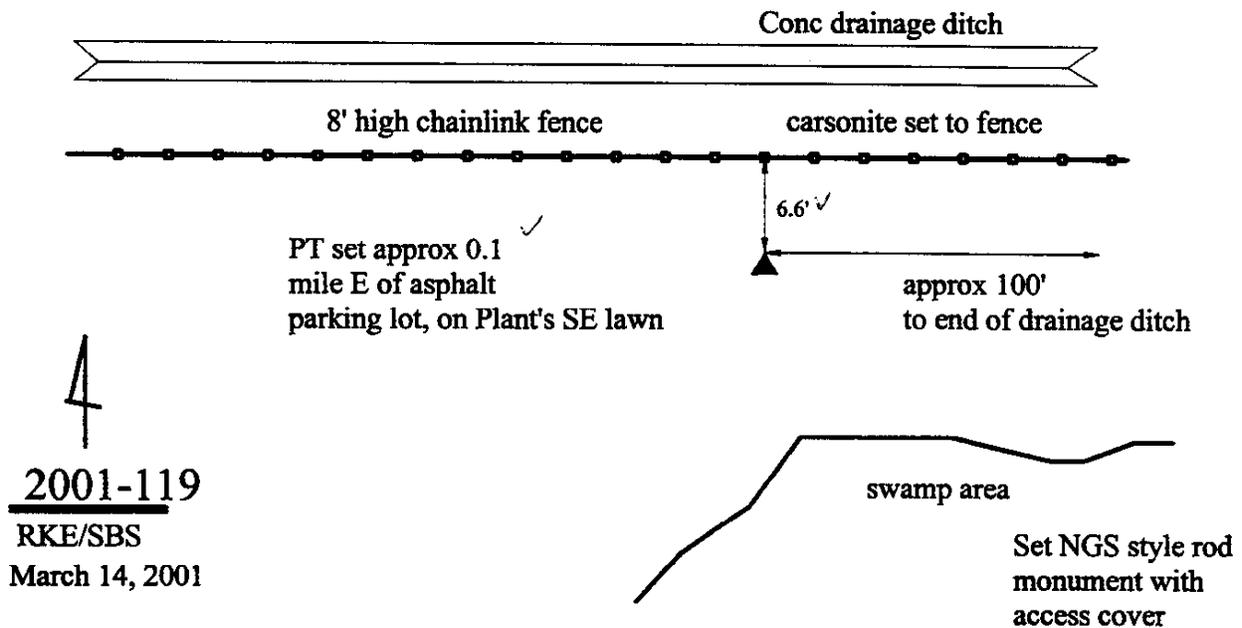
**Designation:** Lee Co. GPS Control Pt. 2001-119 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°34'54.08397"** Longitude: **W91°25'18.38846"**  
NAVD 88 Ortho Height: **525.230sft** Ellip. Ht: **416.032sft** **Geoid12A**

Iowa South Zone (1402) Northing: **218824.623sft** Easting: **2217636.749sft**  
Mapping Angle: **1°22'08"** Combination Scale Factor: **0.9999865041**

IaRCS Zone 14 Northing: **6320887.475sft** Easting: **24452285.088sft**  
Mapping Angle: **-0°06'42"** Combination Scale Factor: **1.0000007491**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **120**

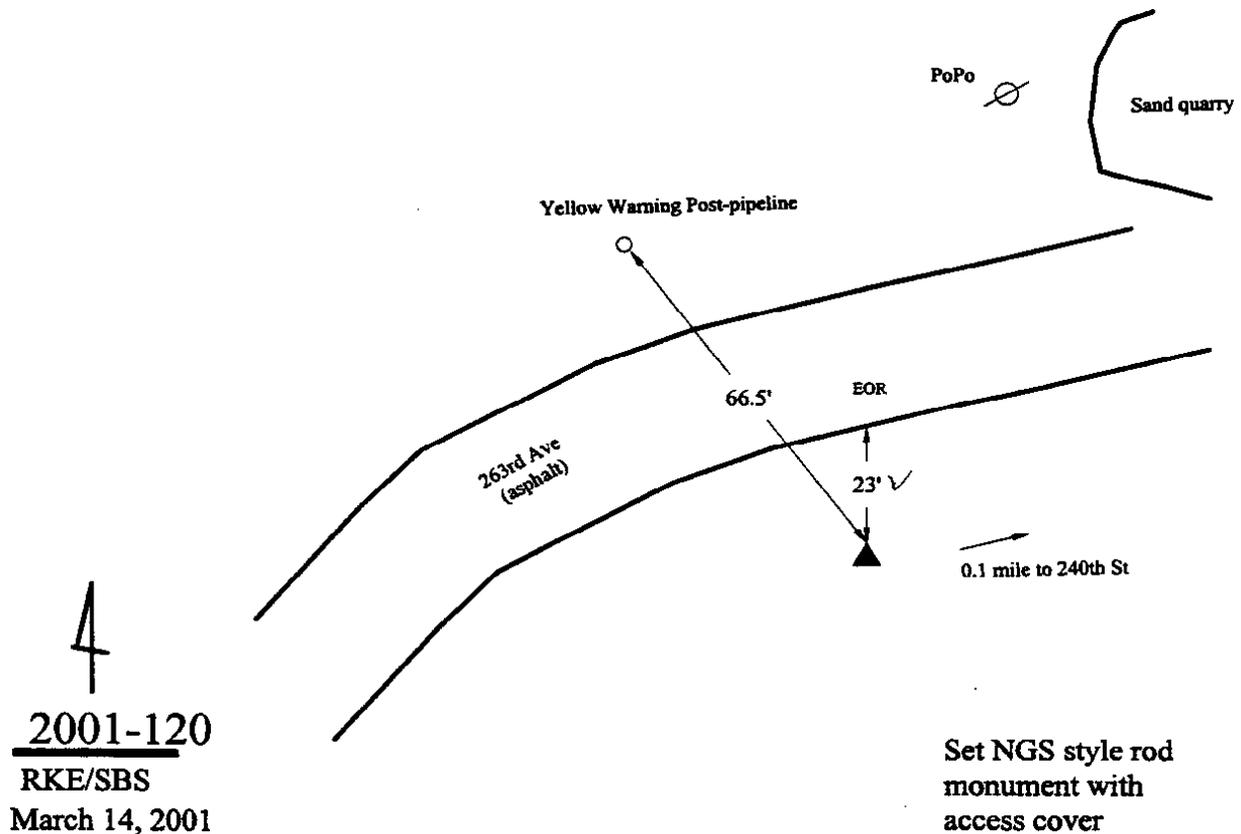
**Designation:** Lee Co. GPS Control Pt. 2001-120 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°36'32.67715"** Longitude: **W91°24'39.45936"**  
NAVD 88 Ortho Height: **526.150sft** Ellip. Ht: **416.963sft** **Geoid12A**

Iowa South Zone (1402) Northing: **228871.462sft** Easting: **2220400.015sft**  
Mapping Angle: **1°22'34"** Combination Scale Factor: **0.9999814509**

IaRCS Zone 14 Northing: **6330859.718sft** Easting: **24455307.102sft**  
Mapping Angle: **-0°06'17"** Combination Scale Factor: **1.0000003854**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **121**

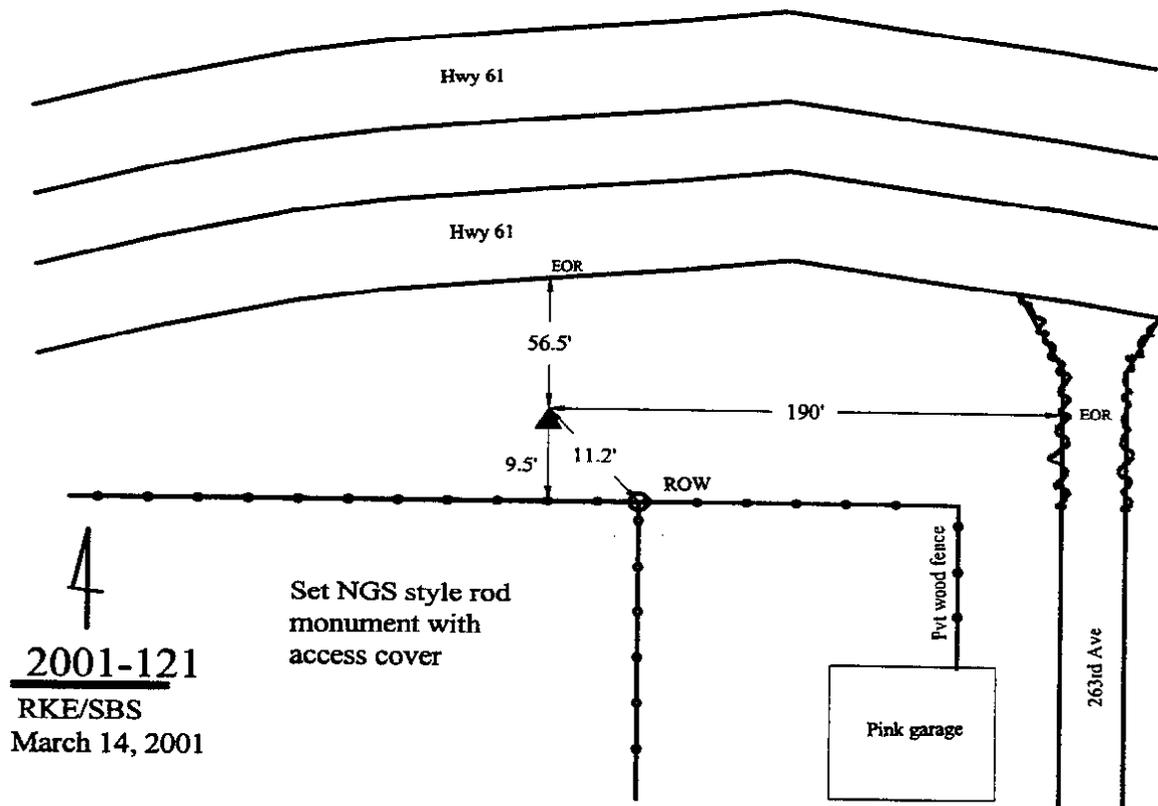
**Designation:** Lee Co. GPS Control Pt. 2001-121 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°37'24.51417"** Longitude: **W91°24'26.23844"**  
NAVD 88 Ortho Height: **553.900sft** Ellip. Ht: **444.732sft** **Geoid12A**

Iowa South Zone (1402) Northing: **234140.433sft** Easting: **2221293.214sft**  
Mapping Angle: **1°22'42"** Combination Scale Factor: **0.9999775828**

IaRCS Zone 14 Northing: **6336103.952sft** Easting: **24456336.189sft**  
Mapping Angle: **-0°06'09"** Combination Scale Factor: **0.9999989564**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **123**

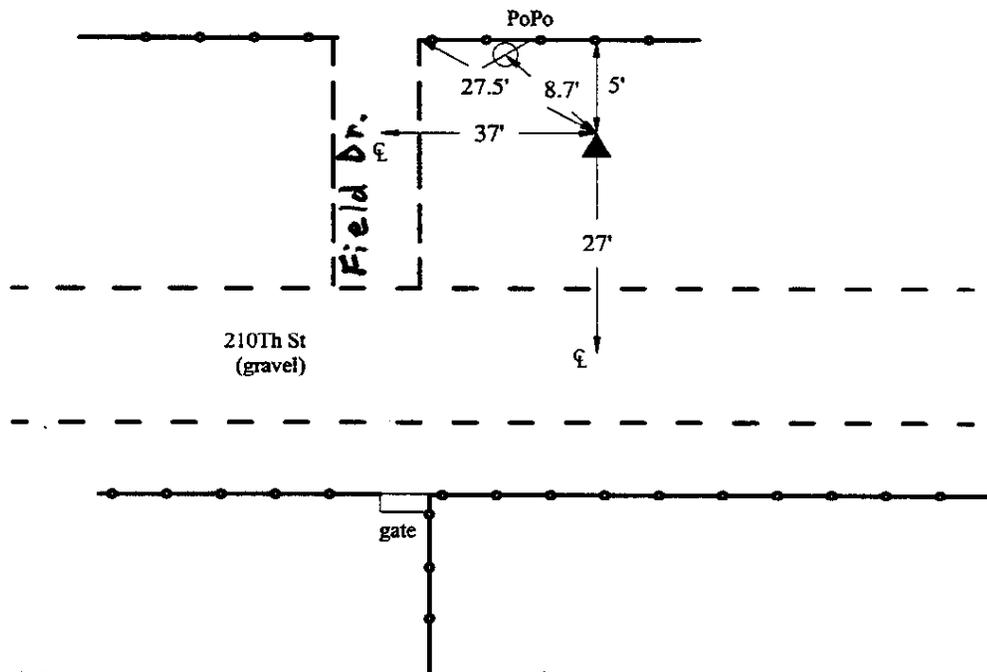
**Designation:** Lee Co. GPS Control Pt. 2001-123 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°39'09.61181"** Longitude: **W91°23'31.41112"**  
NAVD 88 Ortho Height: **694.170sft** Ellip. Ht: **585.040sft** **Geoid12A**

Iowa South Zone (1402) Northing: **244875.414sft** Easting: **2225262.019sft**  
Mapping Angle: **1°23'19"** Combination Scale Factor: **0.9999659232**

IaRCS Zone 14 Northing: **6346733.026sft** Easting: **24460581.213sft**  
Mapping Angle: **-0°05'33"** Combination Scale Factor: **0.9999918579**

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



**2001-123**  
RKE/SBS  
March 14, 2001

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **124 (Destroyed)**

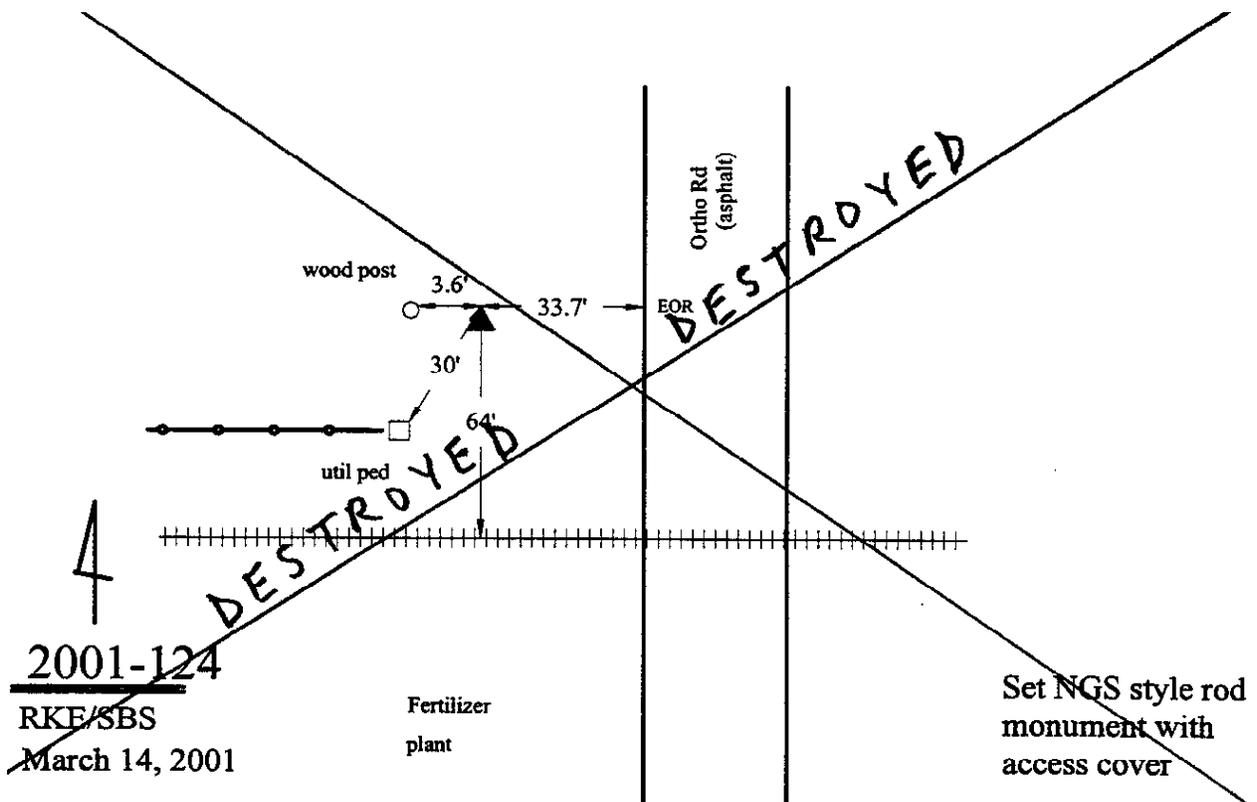
**Designation:** Lee Co. GPS Control Pt. 2001-124 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: ~~**N40°37'01.515009"**~~ Longitude: ~~**W91°22'59.048710"**~~  
NAVD 88 Ortho Height: ~~**536.44sft**~~ Ellip. Ht: ~~**427.37sft**~~ **Geoid96C**

Iowa South Zone (1402) Northing: ~~**231976.25sft**~~ Easting: ~~**2228071.14sft**~~  
Mapping Angle: ~~**1°23'40"**~~ Combination Scale Factor: ~~**0.99997948**~~

IaRCS Zone 14 Northing: ~~**N/Asft**~~ Easting: ~~**N/Asft**~~  
Mapping Angle: ~~**N/A**~~ Combination Scale Factor: ~~**N/A**~~

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **125**

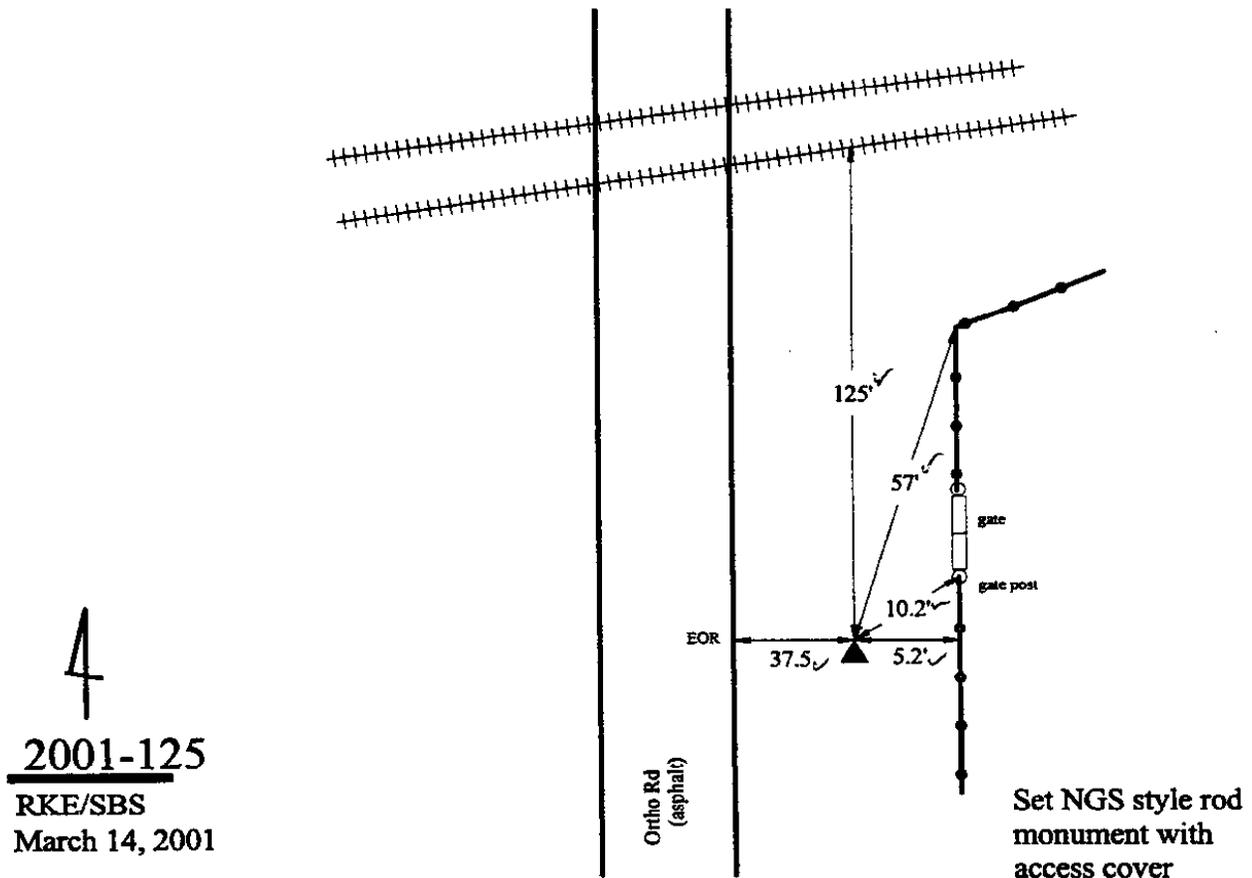
**Designation:** Lee Co. GPS Control Pt. 2001-125 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°36'31.86248"** Longitude: **W91°22'58.51751"**  
NAVD 88 Ortho Height: **532.360sft** Ellip. Ht: **423.164sft** **Geoid12A**

Iowa South Zone (1402) Northing: **228977.256sft** Easting: **2228185.120sft**  
Mapping Angle: **1°23'40"** Combination Scale Factor: **0.9999811954**

IaRCS Zone 14 Northing: **6330764.275sft** Easting: **24463092.485sft**  
Mapping Angle: **-0°05'11"** Combination Scale Factor: **0.9999993634**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **127**

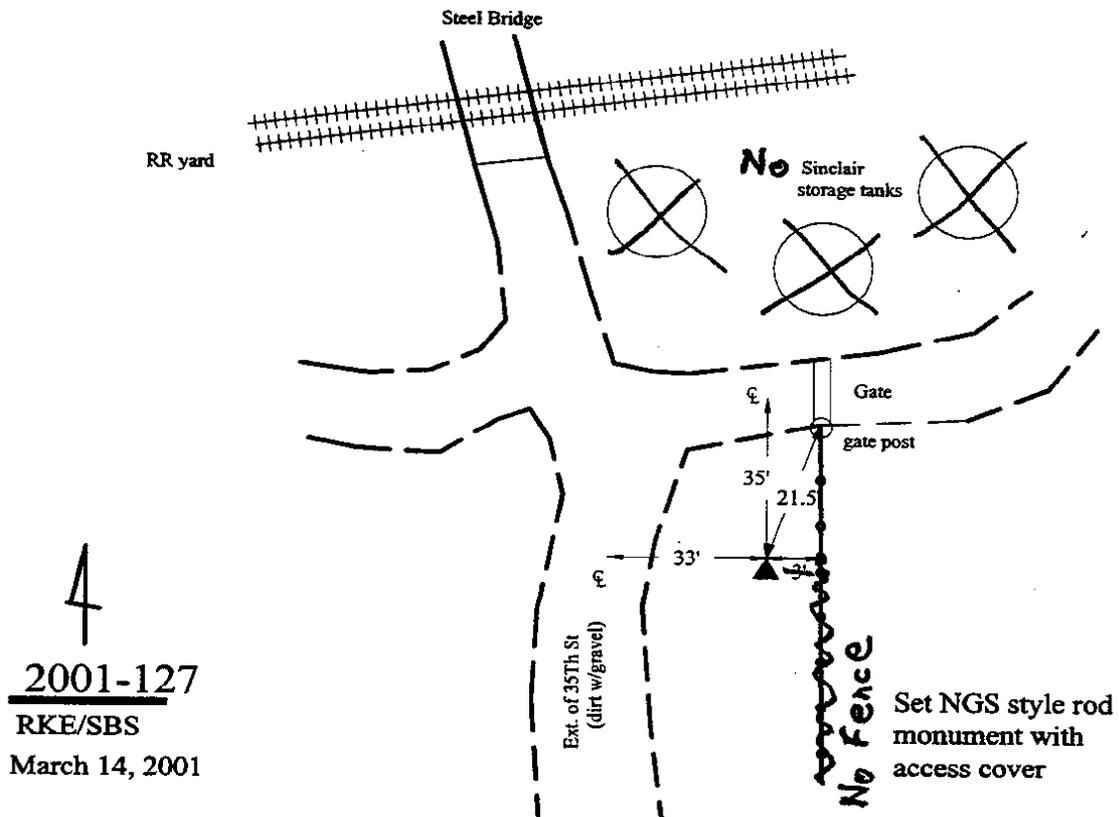
**Designation:** Lee Co. GPS Control Pt. 2001-127 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°36'59.11391"** Longitude: **W91°21'26.42941"**  
NAVD 88 Ortho Height: **519.960sft** Ellip. Ht: **410.766sft** **Geoid12A**

Iowa South Zone (1402) Northing: **231908.198sft** Easting: **2235217.594sft**  
Mapping Angle: **1°24'41"** Combination Scale Factor: **0.9999804418**

IaRCS Zone 14 Northing: **6333512.514sft** Easting: **24470198.501sft**  
Mapping Angle: **-0°04'12"** Combination Scale Factor: **0.9999994132**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **128**

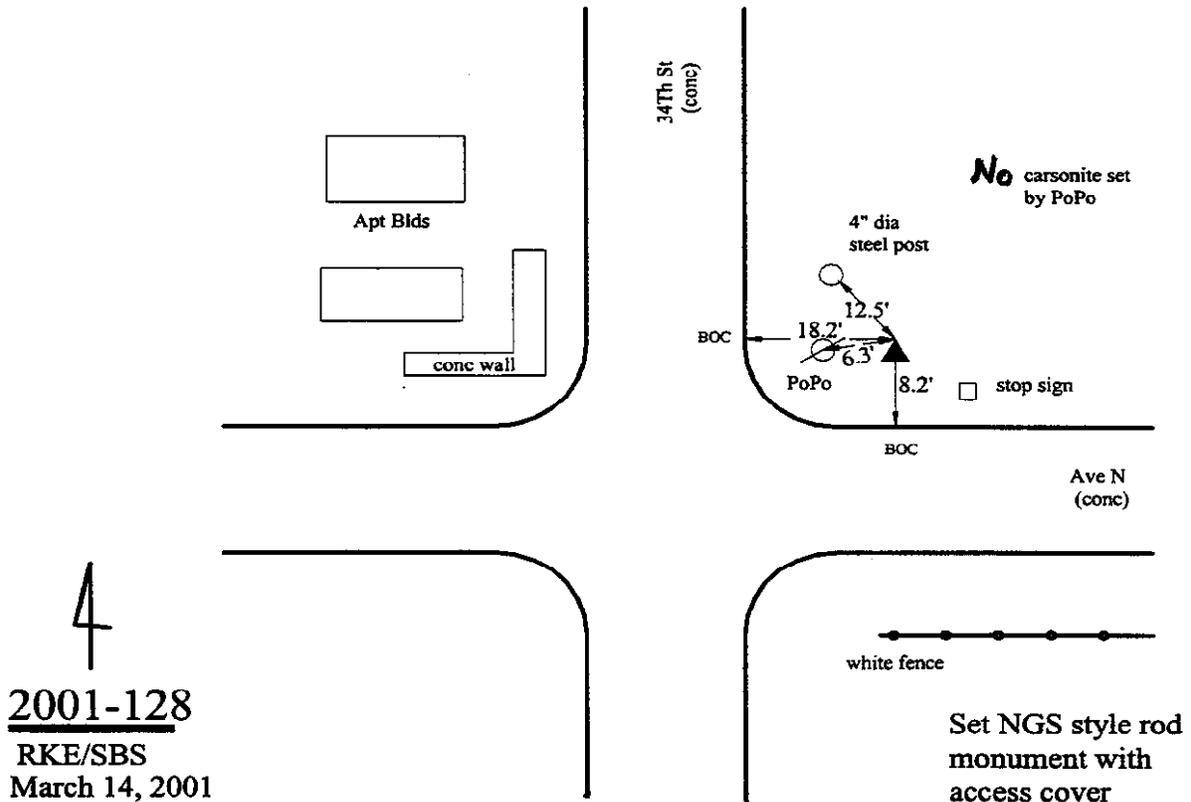
**Designation:** Lee Co. GPS Control Pt. 2001-128 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°37'30.13912"** Longitude: **W91°21'19.24013"**  
NAVD 88 Ortho Height: **540.040sft** Ellip. Ht: **430.855sft** **Geoid12A**

Iowa South Zone (1402) Northing: **235060.701sft** Easting: **2235694.447sft**  
Mapping Angle: **1°24'46"** Combination Scale Factor: **0.9999779727**

IaRCS Zone 14 Northing: **6336651.699sft** Easting: **24470756.698sft**  
Mapping Angle: **-0°04'07"** Combination Scale Factor: **0.9999984169**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **129**

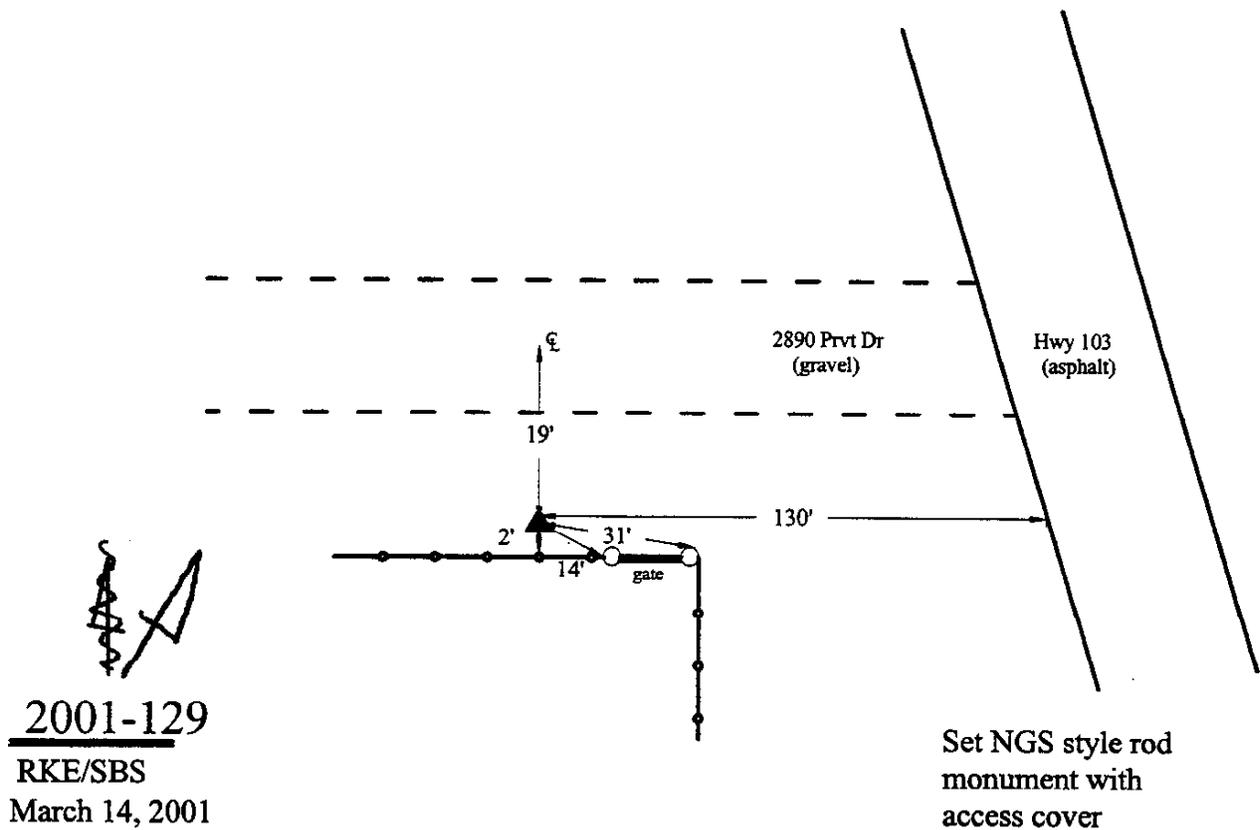
**Designation:** Lee Co. GPS Control Pt. 2001-129 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'02.84091"** Longitude: **W91°21'27.70025"**  
NAVD 88 Ortho Height: **706.210sft** Ellip. Ht: **597.087sft** **Geoid12A**

Iowa South Zone (1402) Northing: **250493.578sft** Easting: **2234661.727sft**  
Mapping Angle: **1°24'40"** Combination Scale Factor: **0.9999629319**

IaRCS Zone 14 Northing: **6352106.487sft** Easting: **24470123.258sft**  
Mapping Angle: **-0°04'13"** Combination Scale Factor: **0.9999905273**

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



*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **130**

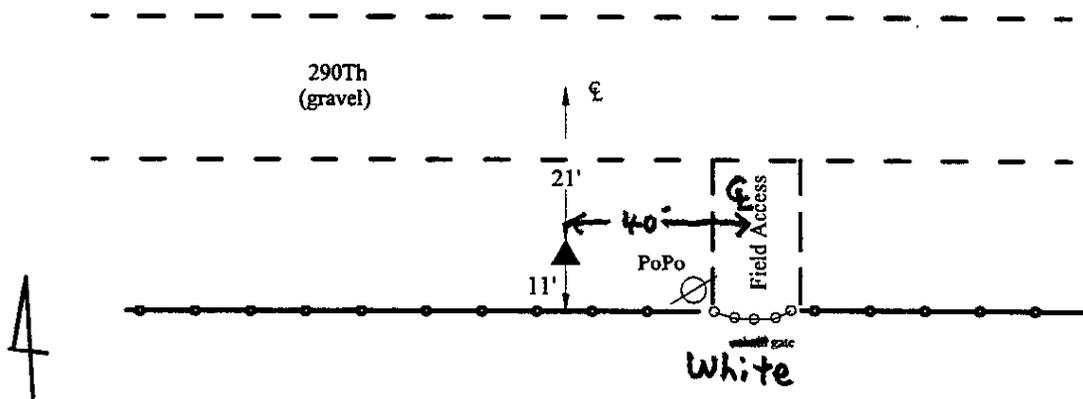
**Designation:** Lee Co. GPS Control Pt. 2001-130 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°39'10.39026"** Longitude: **W91°21'09.00975"**  
NAVD 88 Ortho Height: **709.680sft** Ellip. Ht: **600.539sft** **Geoid12A**

Iowa South Zone (1402) Northing: **245222.626sft** Easting: **2236232.604sft**  
Mapping Angle: **1°24'52"** Combination Scale Factor: **0.9999651478**

IaRCS Zone 14 Northing: **6346796.547sft** Easting: **24471557.387sft**  
Mapping Angle: **-0°04'00"** Combination Scale Factor: **0.9999902670**

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



**2001-130**

RKE/SBS

March 14, 2001

Set NGS style rod  
monument with  
access cover

*This document was prepared by DCI on December 17, 2014 for use by Lee County, Iowa*

**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **131**

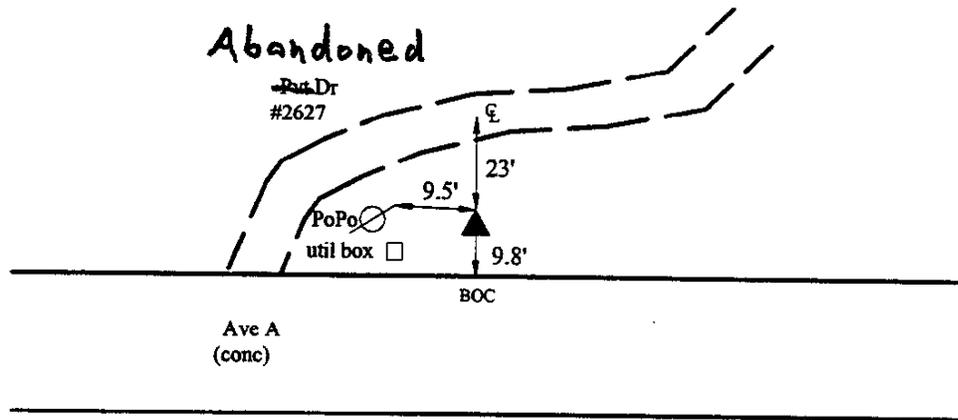
**Designation:** Lee Co. GPS Control Pt. 2001-131 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'15.26735"** Longitude: **W91°20'37.34068"**  
NAVD 88 Ortho Height: **582.110sft** Ellip. Ht: **472.939sft** **Geoid12A**

Iowa South Zone (1402) Northing: **239706.205sft** Easting: **2238811.070sft**  
Mapping Angle: **1°25'13"** Combination Scale Factor: **0.9999738074**

laRCS Zone 14 Northing: **6341215.179sft** Easting: **24473992.440sft**  
Mapping Angle: **-0°03'40"** Combination Scale Factor: **0.9999962044**

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



4

Holy Trinity  
~~Academy~~ High School

**2001-131**  
RKE/SBS  
March 14, 2001

Set NGS style rod  
monument with  
access cover

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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **132**

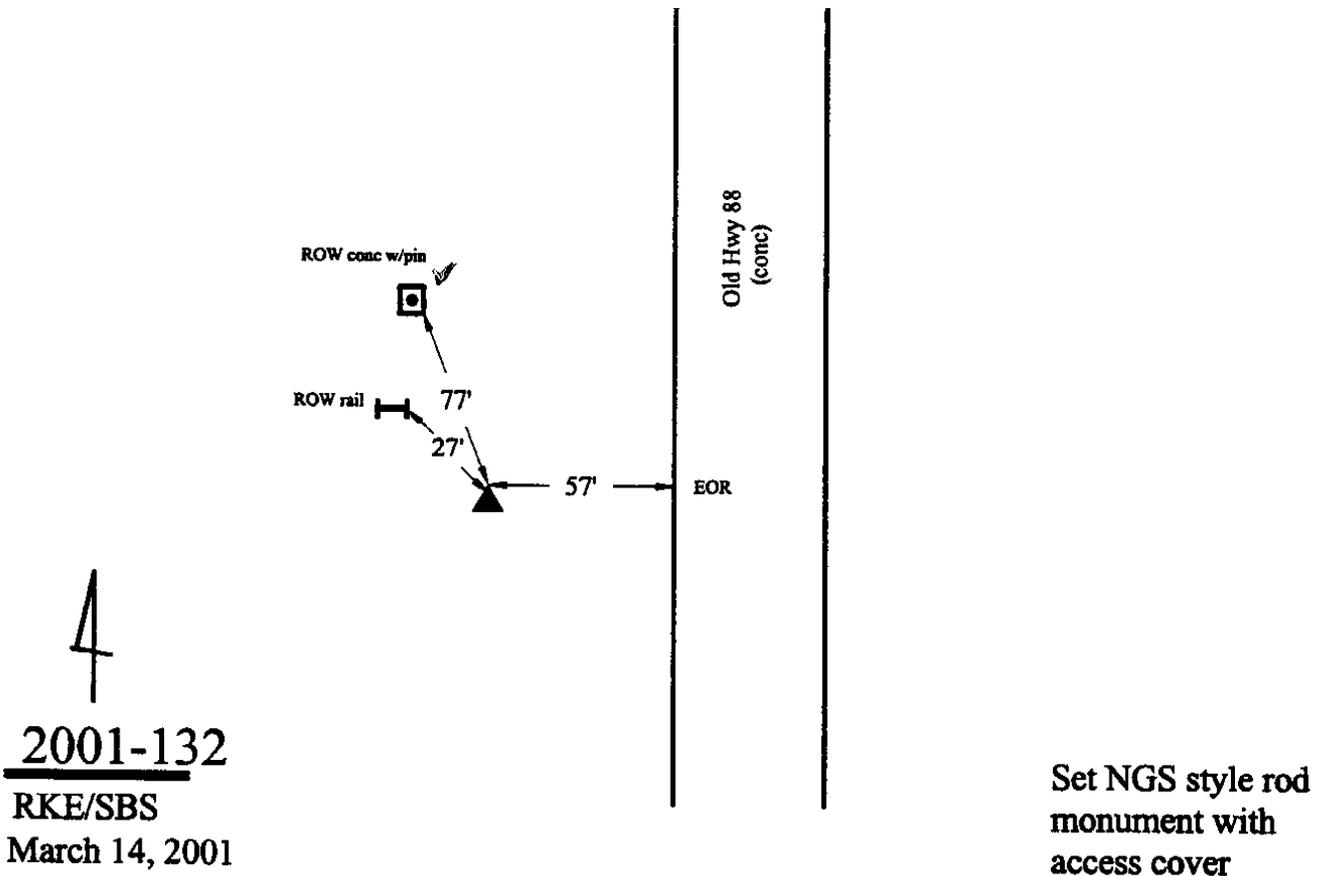
**Designation:** Lee Co. GPS Control Pt. 2001-132 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'54.34340"** Longitude: **W91°19'48.72868"**  
NAVD 88 Ortho Height: **695.590sft** Ellip. Ht: **586.460sft** **Geoid12A**

Iowa South Zone (1402) Northing: **255893.106sft** Easting: **2242156.069sft**  
Mapping Angle: **1°25'45"** Combination Scale Factor: **0.9999611635**

IaRCS Zone 14 Northing: **6357310.608sft** Easting: **24477754.906sft**  
Mapping Angle: **-0°03'08"** Combination Scale Factor: **0.9999905798**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **134**

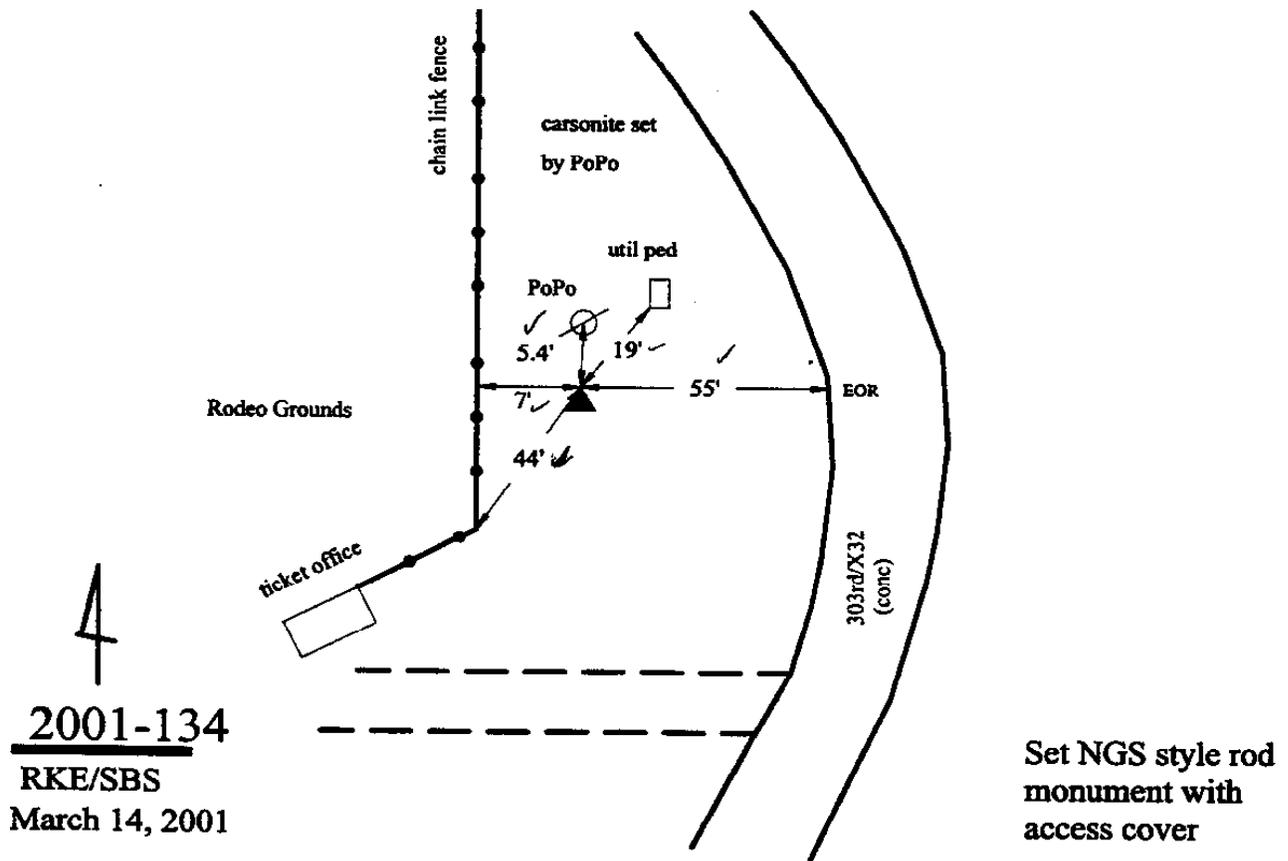
**Designation:** Lee Co. GPS Control Pt. 2001-134 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°39'08.51517"** Longitude: **W91°19'01.66866"**  
NAVD 88 Ortho Height: **712.880sft** Ellip. Ht: **603.721sft** **Geoid12A**

Iowa South Zone (1402) Northing: **245277.215sft** Easting: **2246049.310sft**  
Mapping Angle: **1°26'16"** Combination Scale Factor: **0.9999650822**

IaRCS Zone 14 Northing: **6346597.316sft** Easting: **24481372.467sft**  
Mapping Angle: **-0°02'37"** Combination Scale Factor: **0.9999895871**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **135**

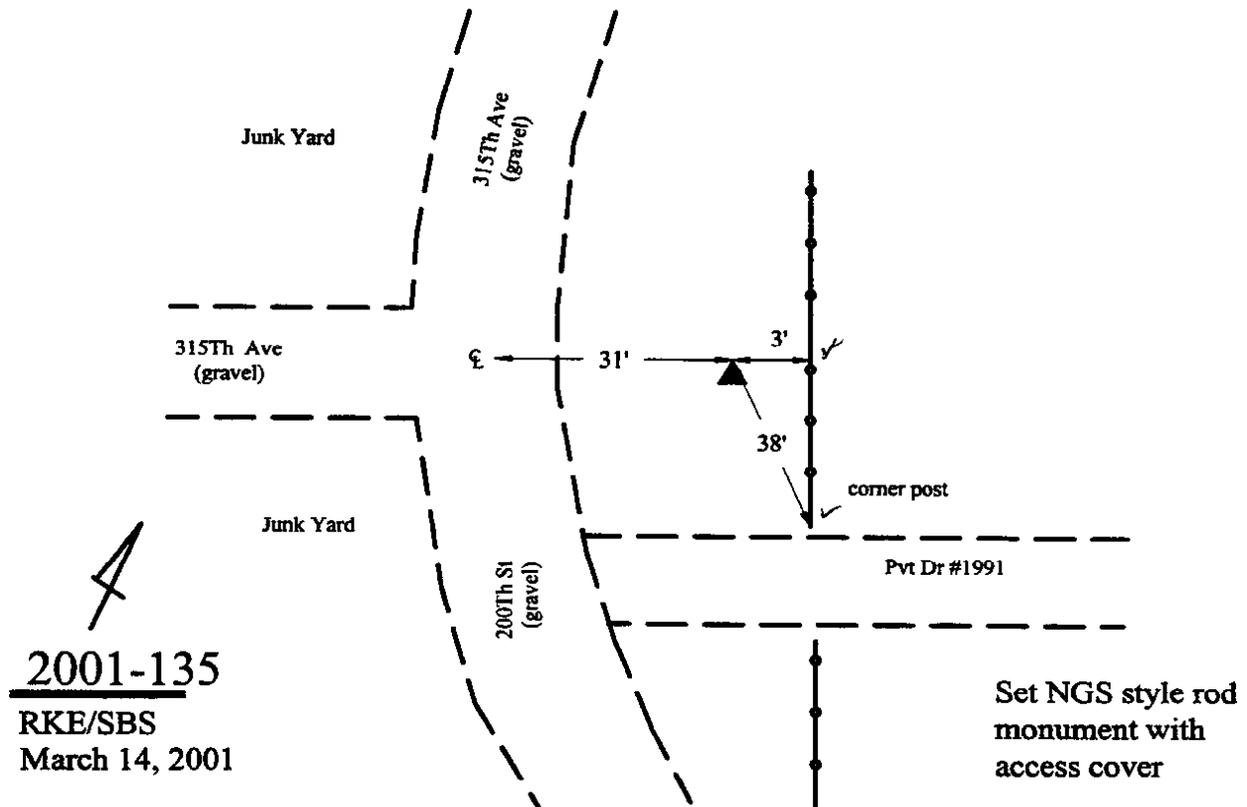
**Designation:** Lee Co. GPS Control Pt. 2001-135 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'05.19552"** Longitude: **W91°18'57.58476"**  
NAVD 88 Ortho Height: **648.680sft** Ellip. Ht: **539.530sft** **Geoid12A**

Iowa South Zone (1402) Northing: **251019.439sft** Easting: **2246219.976sft**  
Mapping Angle: **1°26'19"** Combination Scale Factor: **0.9999655730**

IaRCS Zone 14 Northing: **6352333.356sft** Easting: **24481691.554sft**  
Mapping Angle: **-0°02'35"** Combination Scale Factor: **0.9999926368**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **136**

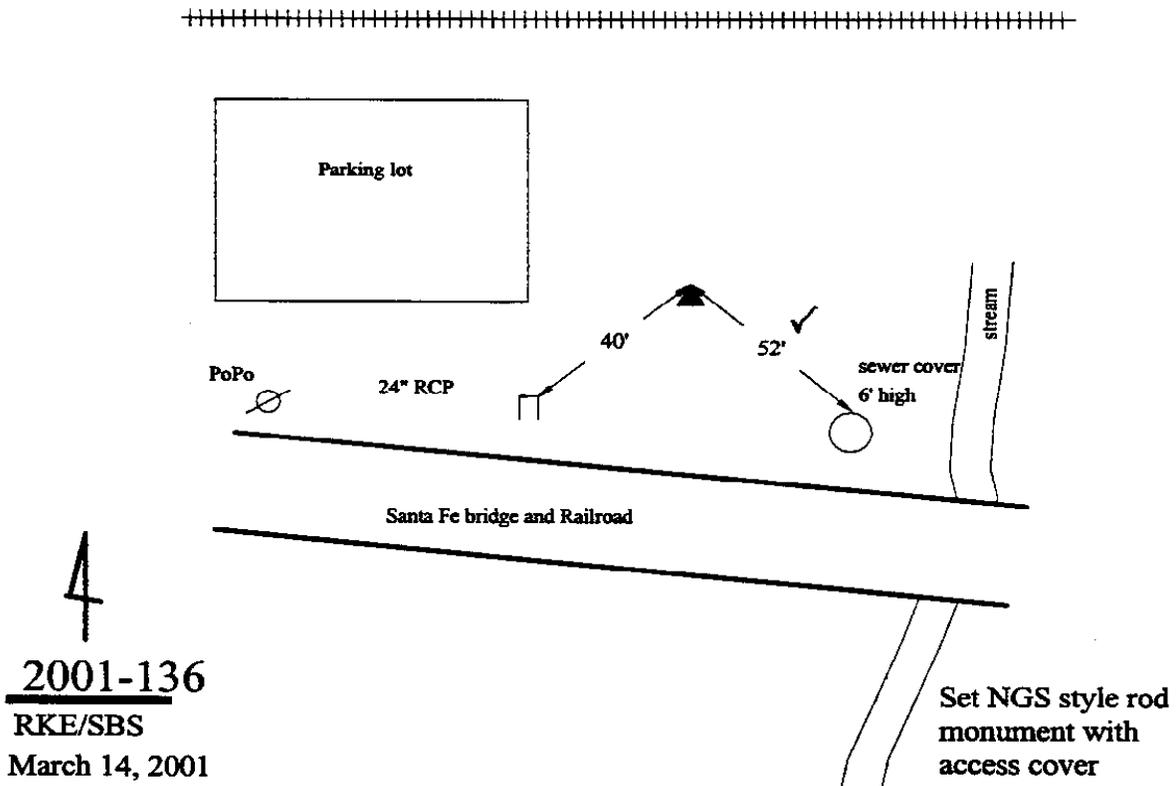
**Designation:** Lee Co. GPS Control Pt. 2001-136 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°37'48.05255"** Longitude: **W91°17'59.39098"**  
NAVD 88 Ortho Height: **526.730sft** Ellip. Ht: **417.539sft** **Geoid12A**

Iowa South Zone (1402) Northing: **237257.815sft** Easting: **2251053.908sft**  
Mapping Angle: **1°26'57"** Combination Scale Factor: **0.9999777463**

IaRCS Zone 14 Northing: **6338451.012sft** Easting: **24486168.144sft**  
Mapping Angle: **-0°01'57"** Combination Scale Factor: **0.9999982936**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **137**

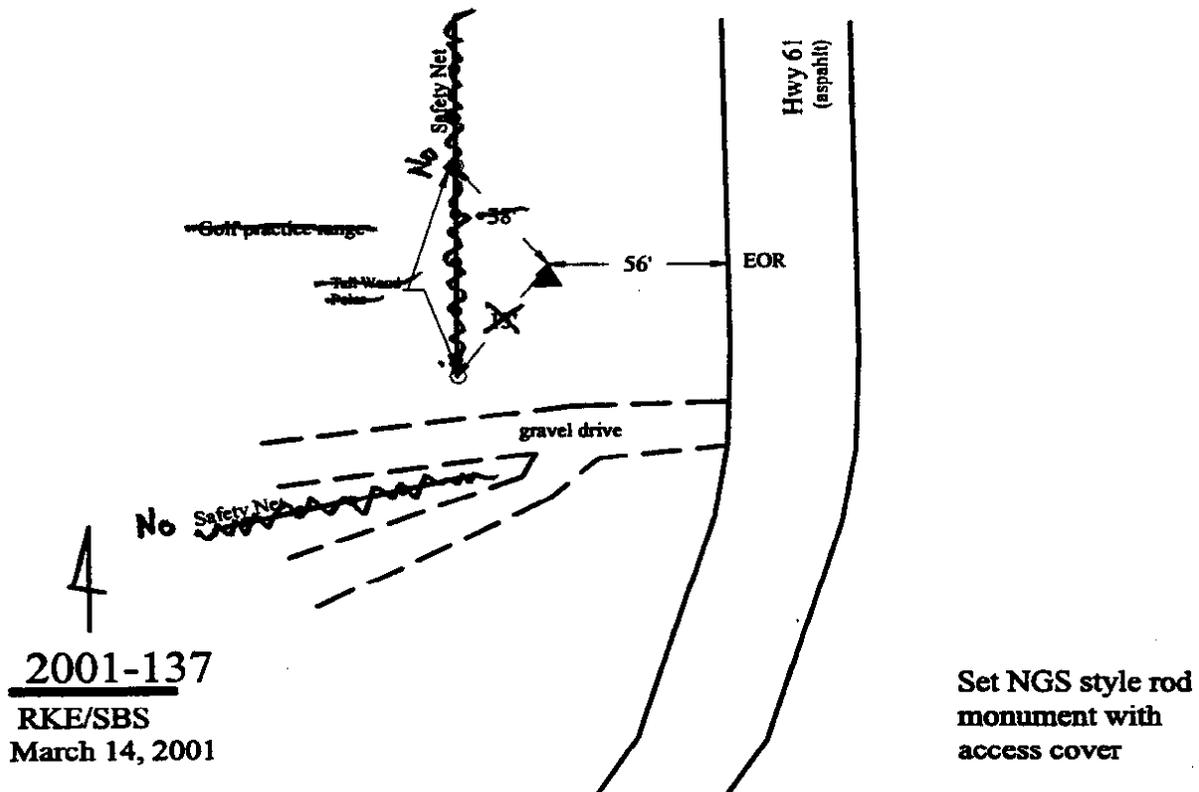
**Designation:** Lee Co. GPS Control Pt. 2001-137 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°38'16.31680"** Longitude: **W91°17'54.98839"**  
NAVD 88 Ortho Height: **614.570sft** Ellip. Ht: **505.384sft** **Geoid12A**

Iowa South Zone (1402) Northing: **240125.868sft** Easting: **2251320.869sft**  
Mapping Angle: **1°27'00"** Combination Scale Factor: **0.9999722096**

IaRCS Zone 14 Northing: **6341311.263sft** Easting: **24486509.184sft**  
Mapping Angle: **-0°01'54"** Combination Scale Factor: **0.9999940910**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **138**

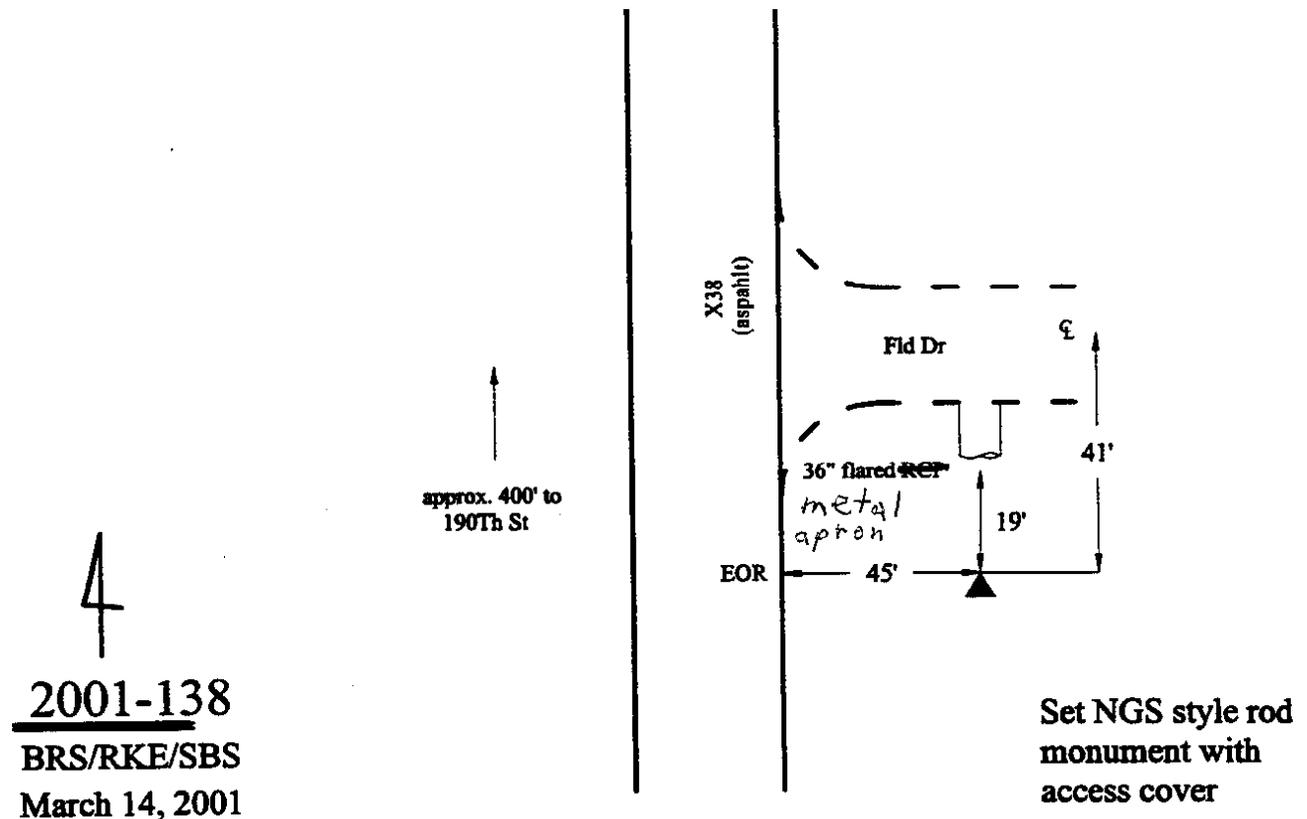
**Designation:** Lee Co. GPS Control Pt. 2001-138 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'50.32193"** Longitude: **W91°17'39.94828"**  
NAVD 88 Ortho Height: **607.470sft** Ellip. Ht: **498.307sft** **Geoid12A**

Iowa South Zone (1402) Northing: **255735.768sft** Easting: **2252084.846sft**  
Mapping Angle: **1°27'10"** Combination Scale Factor: **0.9999655454**

IaRCS Zone 14 Northing: **6356896.584sft** Easting: **24487676.583sft**  
Mapping Angle: **-0°01'44"** Combination Scale Factor: **0.9999943943**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **140**

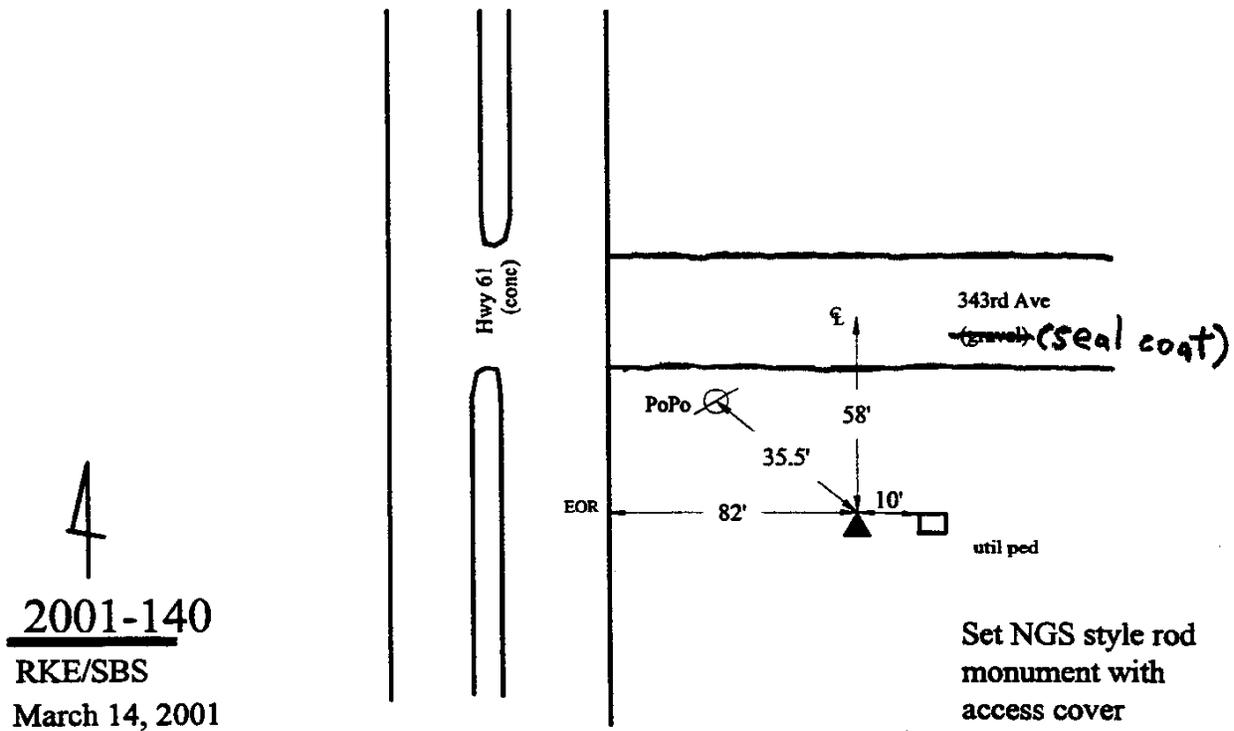
**Designation:** Lee Co. GPS Control Pt. 2001-140 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°39'07.44399"** Longitude: **W91°16'29.87134"**  
NAVD 88 Ortho Height: **705.760sft** Ellip. Ht: **596.573sft** **Geoid12A**

Iowa South Zone (1402) Northing: **245465.267sft** Easting: **2257748.402sft**  
Mapping Angle: **1°27'56"** Combination Scale Factor: **0.9999654727**

IaRCS Zone 14 Northing: **6346482.782sft** Easting: **24493072.793sft**  
Mapping Angle: **-0°00'59"** Combination Scale Factor: **0.9999895864**

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



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**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **141**

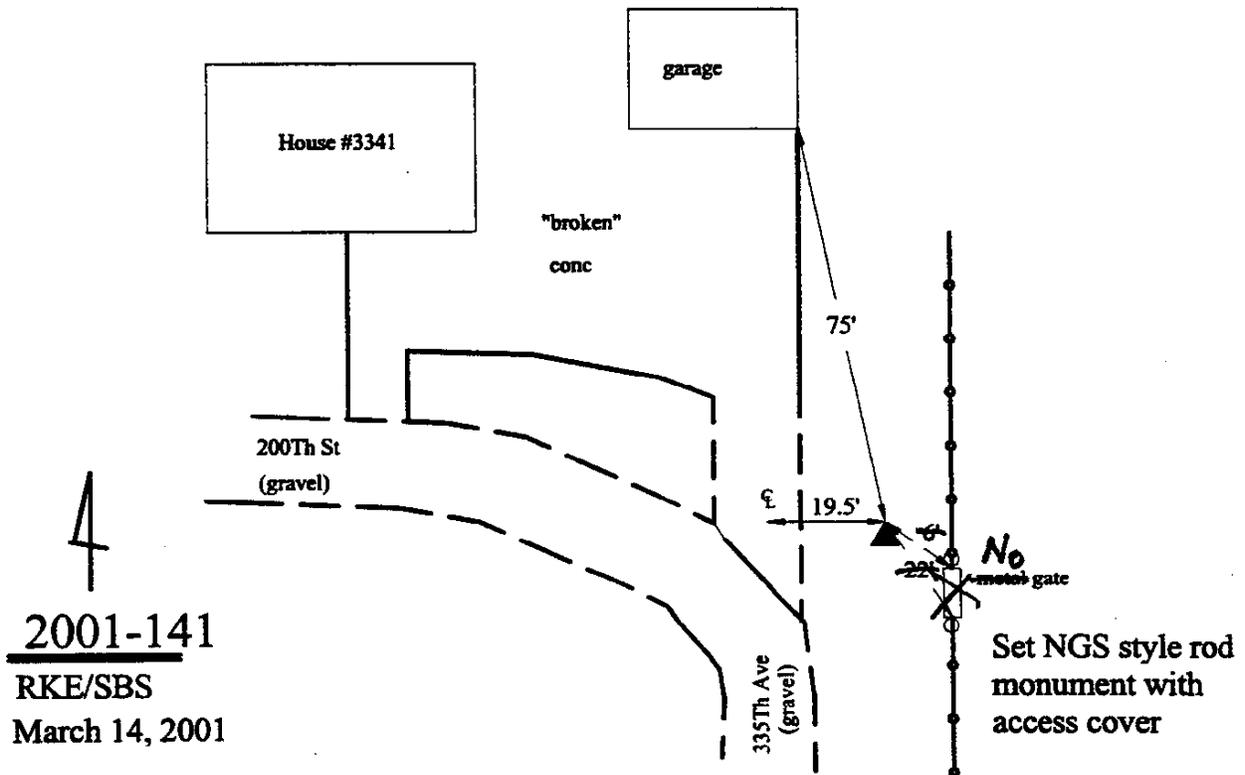
**Designation:** Lee Co. GPS Control Pt. 2001-141 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°39'57.54217"** Longitude: **W91°16'56.27445"**  
NAVD 88 Ortho Height: **669.040sft** Ellip. Ht: **559.861sft** **Geoid12A**

Iowa South Zone (1402) Northing: **250481.661sft** Easting: **2255584.735sft**  
Mapping Angle: **1°27'39"** Combination Scale Factor: **0.9999649458**

IaRCS Zone 14 Northing: **6351553.580sft** Easting: **24491039.526sft**  
Mapping Angle: **-0°01'16"** Combination Scale Factor: **0.9999913752**

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



**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **142**

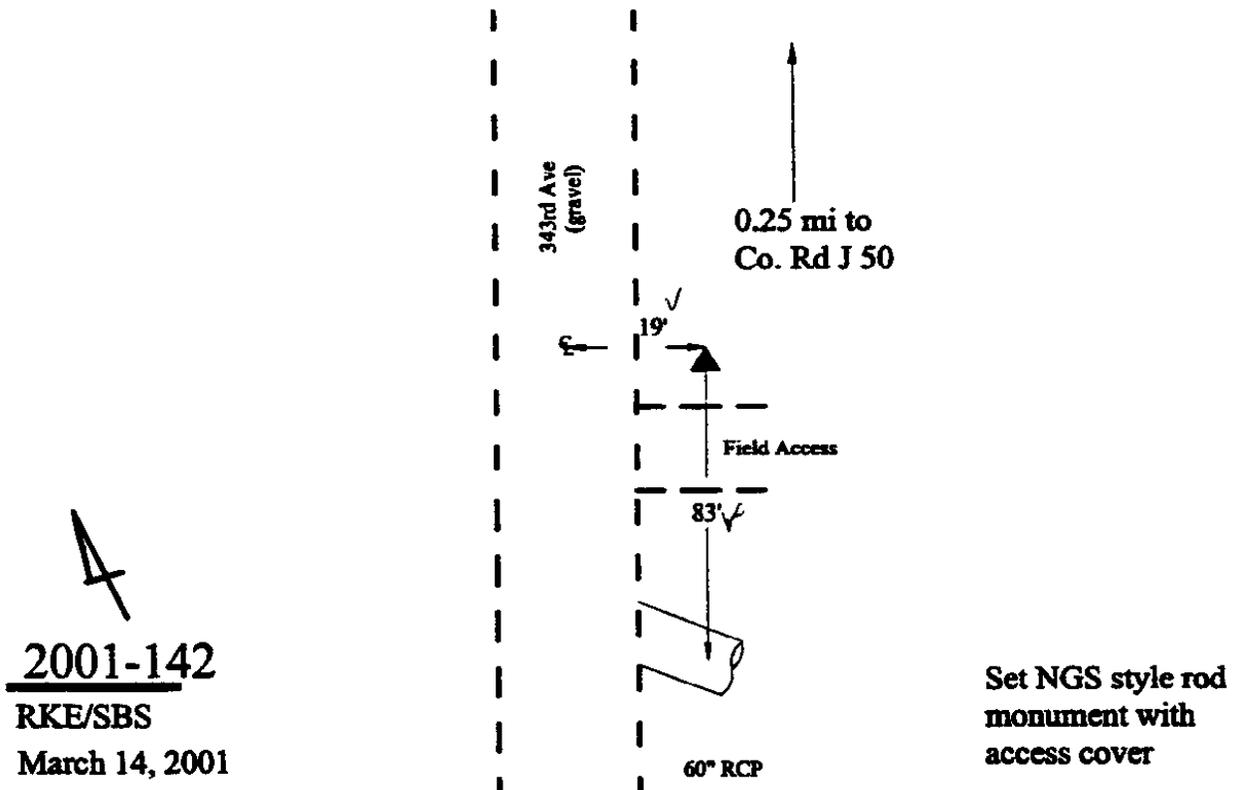
**Designation:** Lee Co. GPS Control Pt. 2001-142 (Set by ASI in 2001)

NAD 83(NA2011) Latitude: **N40°40'00.68490"** Longitude: **W91°15'15.52681"**  
NAVD 88 Ortho Height: **551.640sft** Ellip. Ht: **442.433sft** **Geoid12A**

Iowa South Zone (1402) Northing: **250998.773sft** Easting: **2263337.695sft**  
Mapping Angle: **1°28'45"** Combination Scale Factor: **0.9999704082**

IaRCS Zone 14 Northing: **6351870.021sft** Easting: **24498803.471sft**  
Mapping Angle: **-0°00'10"** Combination Scale Factor: **0.9999968886**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **153**

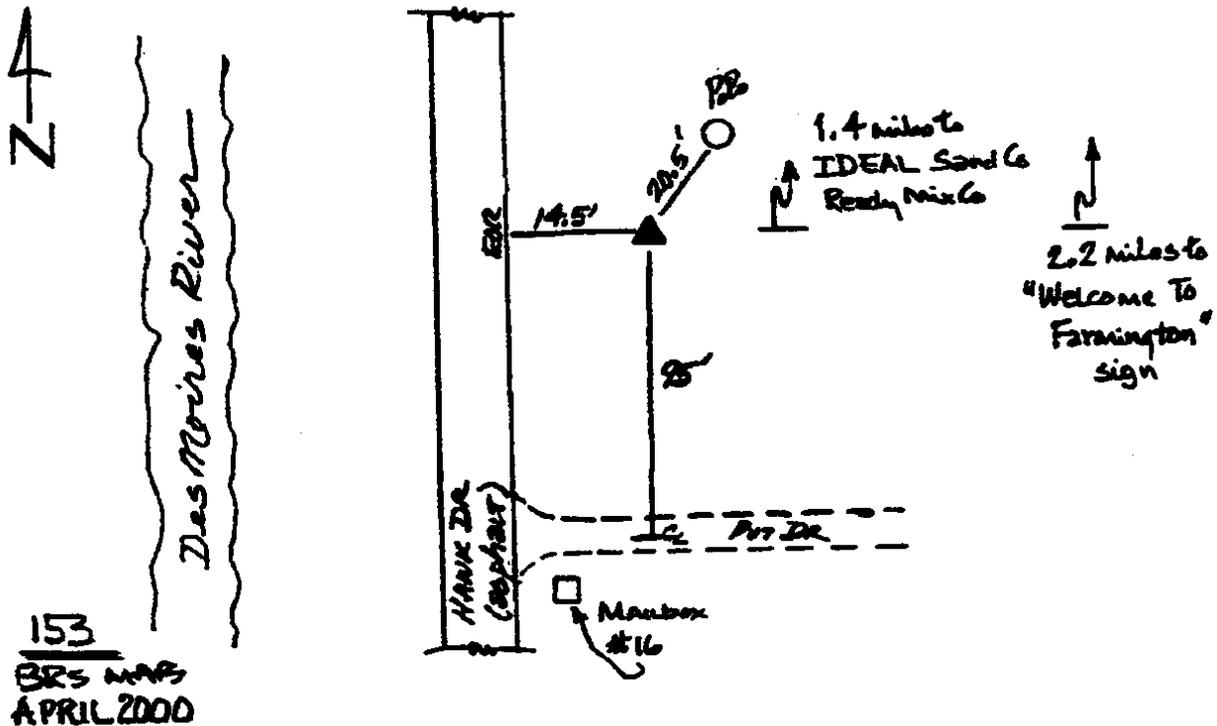
**Designation:** Van Buren Co. GPS Control Pt. 2000-153 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°36'18.37564"** Longitude: **W91°43'16.12517"**  
NAVD 88 Ortho Height: **537.990sft** Ellip. Ht: **429.122sft** **Geoid12A**

Iowa South Zone (1402) Northing: **225509.710sft** Easting: **2134325.508sft**  
Mapping Angle: **1°10'18"** Combination Scale Factor: **0.9999815832**

IaRCS Zone 14 Northing: **6329721.593sft** Easting: **24369172.266sft**  
Mapping Angle: **-0°18'24"** Combination Scale Factor: **1.0000170860**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **154**

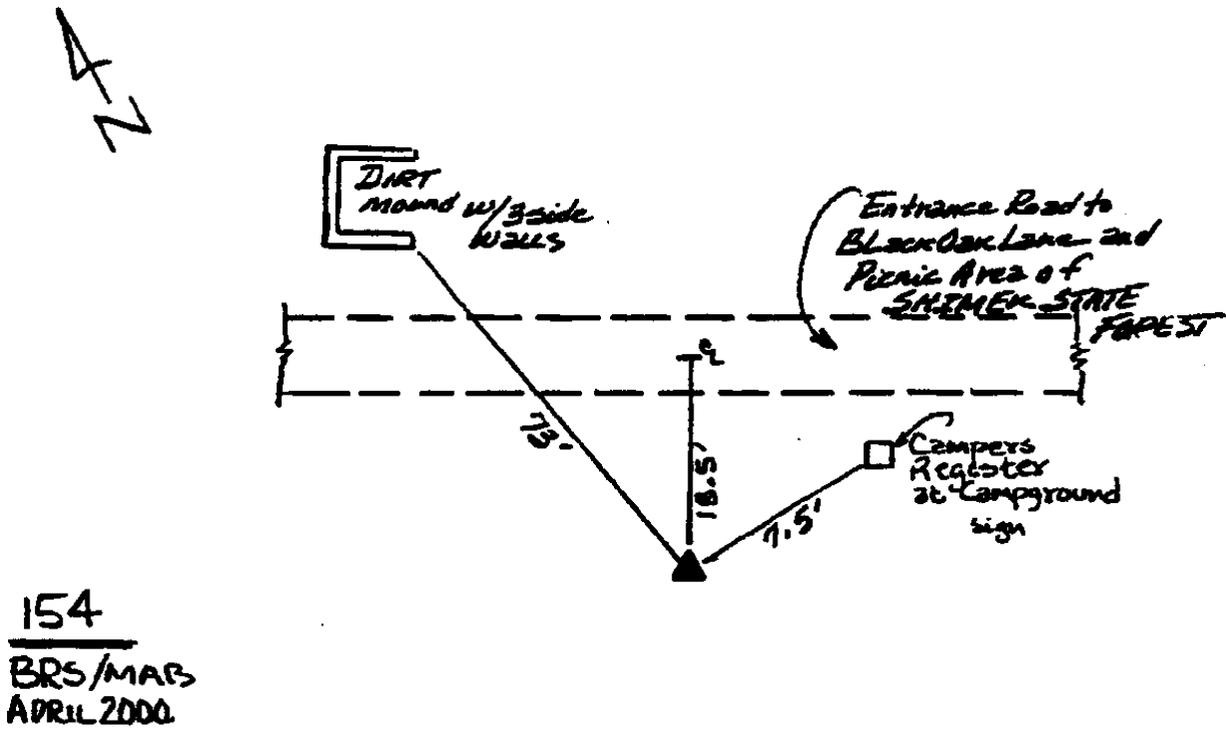
**Designation:** Van Buren Co. GPS Control Pt. 2000-154 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°38'52.81263"** Longitude: **W91°43'21.69726"**  
NAVD 88 Ortho Height: **740.650sft** Ellip. Ht: **631.805sft** Geoid12A

Iowa South Zone (1402) Northing: **241126.904sft** Easting: **2133576.484sft**  
Mapping Angle: **1°10'15"** Combination Scale Factor: **0.9999644680**

IaRCS Zone 14 Northing: **6345353.528sft** Easting: **24368826.433sft**  
Mapping Angle: **-0°18'29"** Combination Scale Factor: **1.0000075174**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **155**

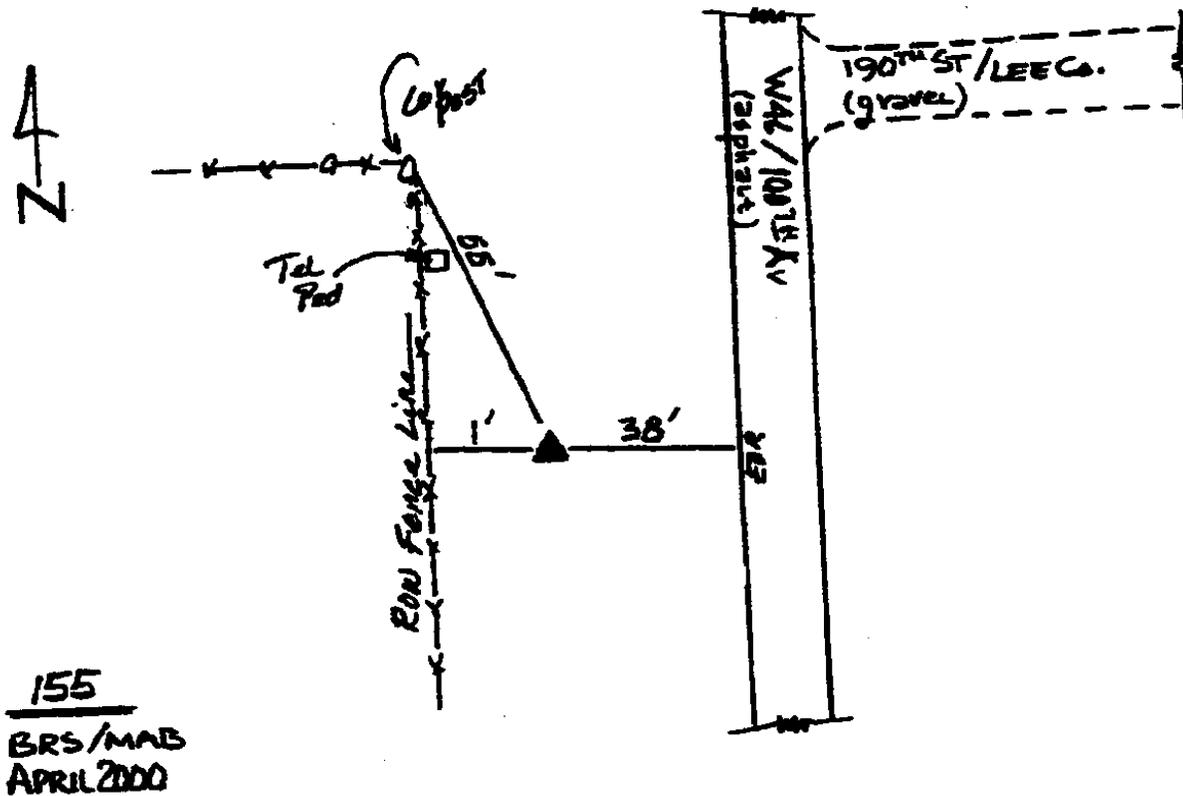
**Designation:** Van Buren Co. GPS Control Pt. 2000-155 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°40'55.50289"** Longitude: **W91°43'07.36309"**  
NAVD 88 Ortho Height: **702.810sft** Ellip. Ht: **593.983sft** **Geoid12A**

Iowa South Zone (1402) Northing: **253563.332sft** Easting: **2134426.907sft**  
Mapping Angle: **1°10'24"** Combination Scale Factor: **0.9999607540**

IaRCS Zone 14 Northing: **6357764.435sft** Easting: **24369997.564sft**  
Mapping Angle: **-0°18'20"** Combination Scale Factor: **1.0000089725**

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



**Lee County, Iowa**  
 Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
 Iowa State Plane South Zone (1402)  
 Iowa Regional Coordinate System Zone 14 Burlington  
 US Survey Feet  
**2014**

Point Name: **156**

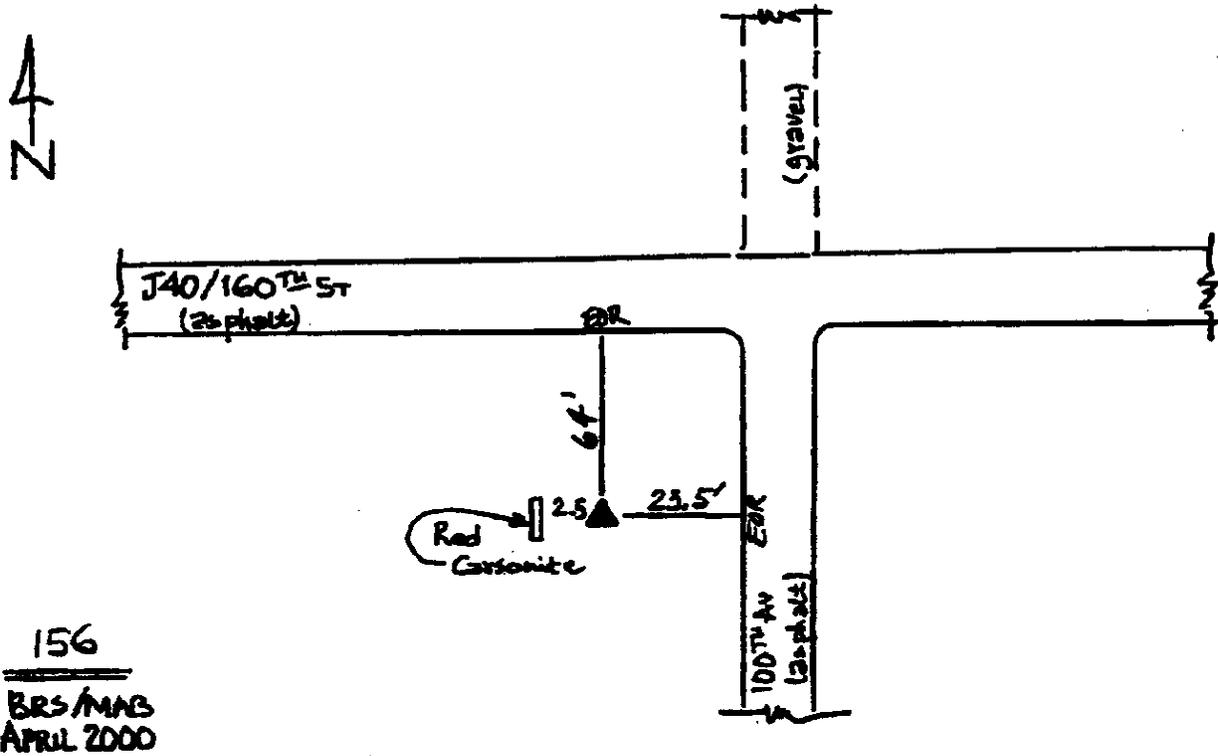
**Designation:** Van Buren Co. GPS Control Pt. 2000-156 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°43'32.81667"** Longitude: **W91°43'07.03814"**  
 NAVD 88 Ortho Height: **735.490sft** Ellip. Ht: **626.719sft** **Geoid12A**

Iowa South Zone (1402) Northing: **269480.897sft** Easting: **2134125.916sft**  
 Mapping Angle: **1°10'24"** Combination Scale Factor: **0.9999526275**

laRCS Zone 14 Northing: **6373685.286sft** Easting: **24370107.522sft**  
 Mapping Angle: **-0°18'21"** Combination Scale Factor: **1.0000073776**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **157**

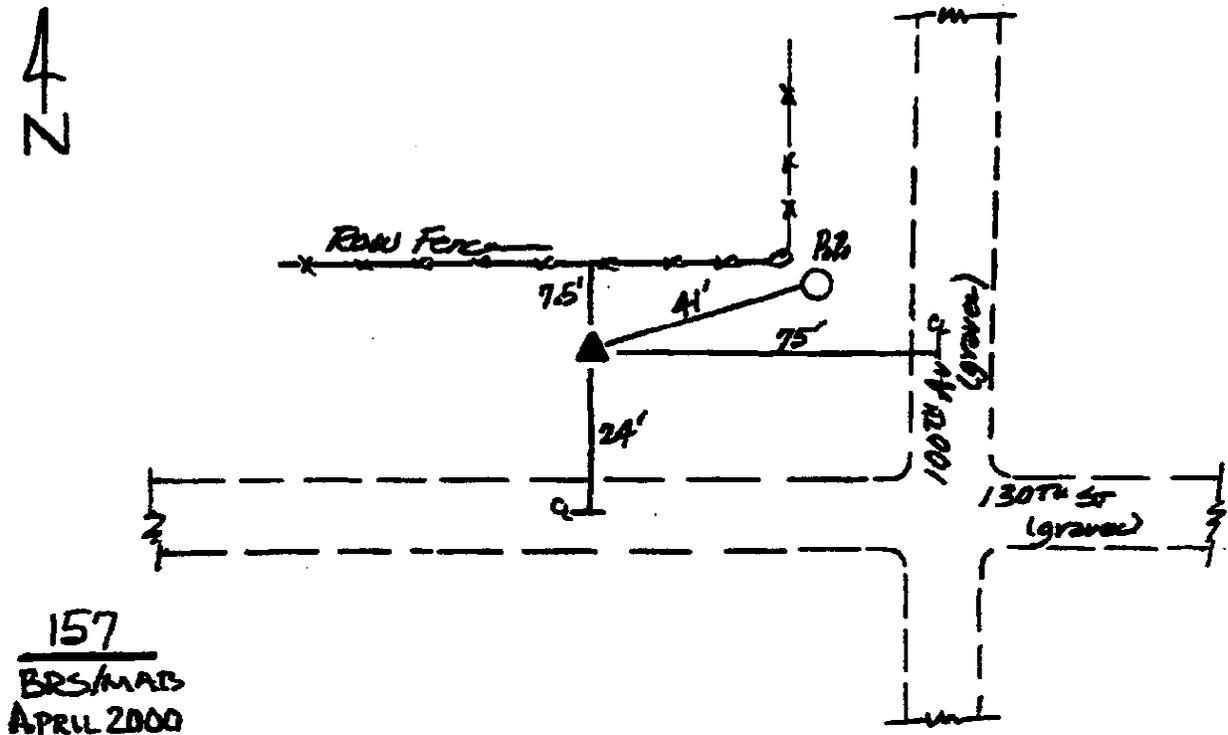
**Designation:** Van Buren Co. GPS Control Pt. 2000-157 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°46'11.32600"** Longitude: **W91°43'07.99199"**  
NAVD 88 Ortho Height: **740.920sft** Ellip. Ht: **632.224sft** **Geoid12A**

Iowa South Zone (1402) Northing: **285517.434sft** Easting: **2133724.043sft**  
Mapping Angle: **1°10'24"** Combination Scale Factor: **0.9999463324**

IaRCS Zone 14 Northing: **6389727.781sft** Easting: **24370119.775sft**  
Mapping Angle: **-0°18'22"** Combination Scale Factor: **1.0000071111**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **158**

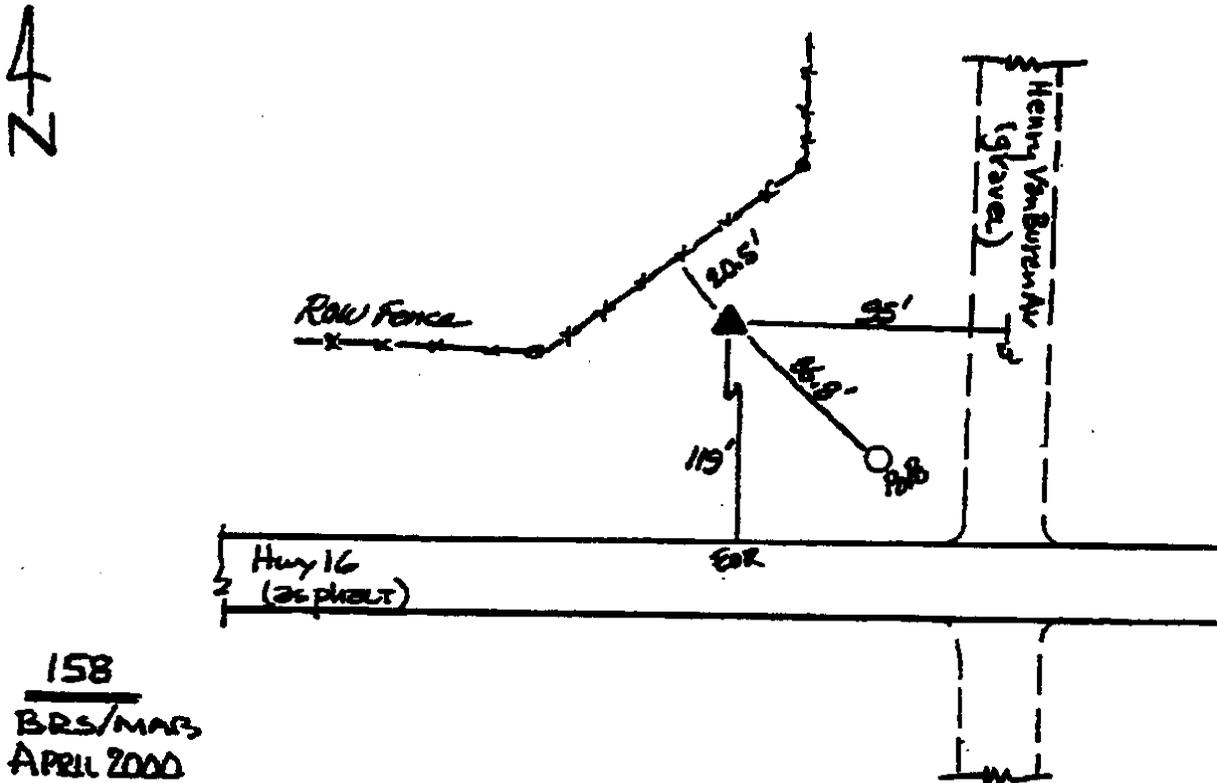
**Designation:** Van Buren Co. GPS Control Pt. 2000-158 (Set by ASI in 2000)

NAD 83(NA2011) Latitude: **N40°48'50.01596"** Longitude: **W91°43'08.90438"**  
NAVD 88 Ortho Height: **734.980sft** Ellip. Ht: **626.381sft** Geoid12A

Iowa South Zone (1402) Northing: **301572.346sft** Easting: **2133325.080sft**  
Mapping Angle: **1°10'23"** Combination Scale Factor: **0.9999411574**

IaRCS Zone 14 Northing: **6405788.662sft** Easting: **24370135.488sft**  
Mapping Angle: **-0°18'24"** Combination Scale Factor: **1.0000073852**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **200**

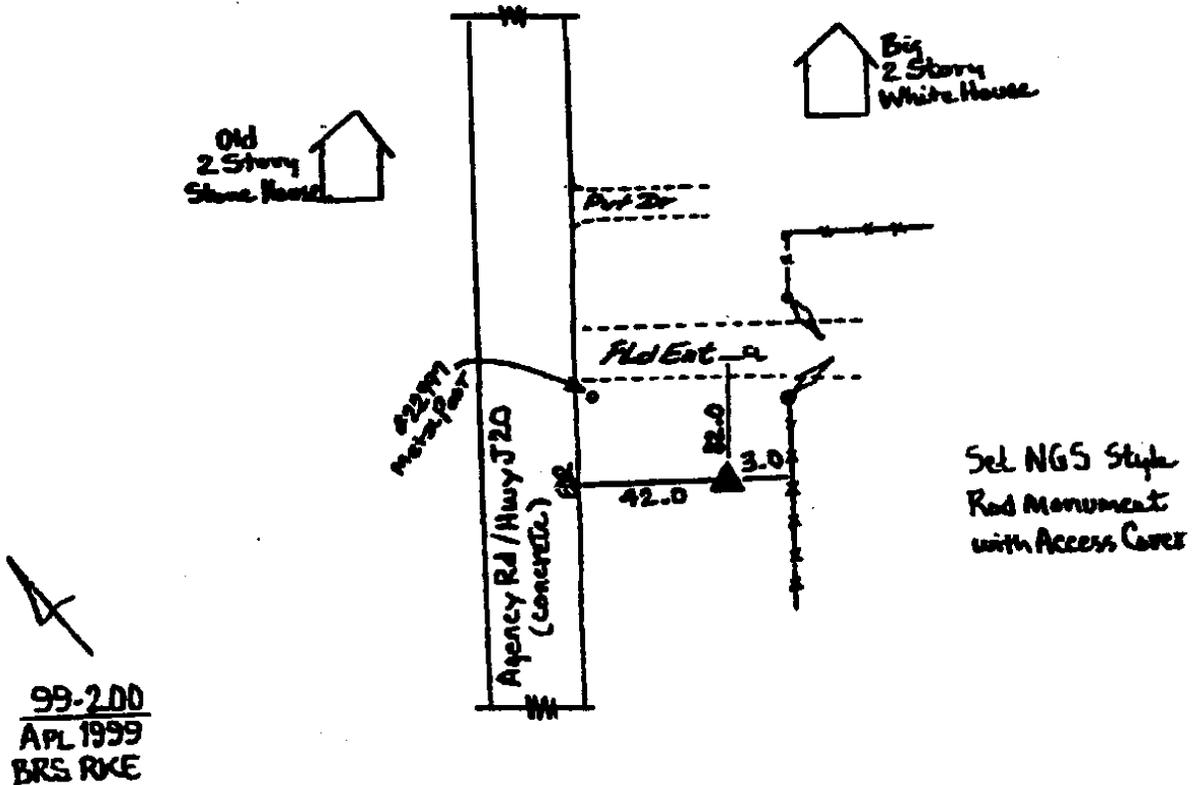
**Designation:** Des Moines Co. GPS Control Pt. 99-200 (Set by ASI in 1999)

NAD 83(NA2011) Latitude: **N40°48'56.53008"** Longitude: **W91°22'20.31161"**  
NAVD 88 Ortho Height: **707.550sft** Ellip. Ht: **598.614sft** **Geoid12A**

Iowa South Zone (1402) Northing: **304388.140sft** Easting: **2229287.736sft**  
Mapping Angle: **1°24'05"** Combination Scale Factor: **0.9999422710**

IaRCS Zone 14 Northing: **6406124.049sft** Easting: **24466144.199sft**  
Mapping Angle: **-0°04'48"** Combination Scale Factor: **0.9999907445**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **210**

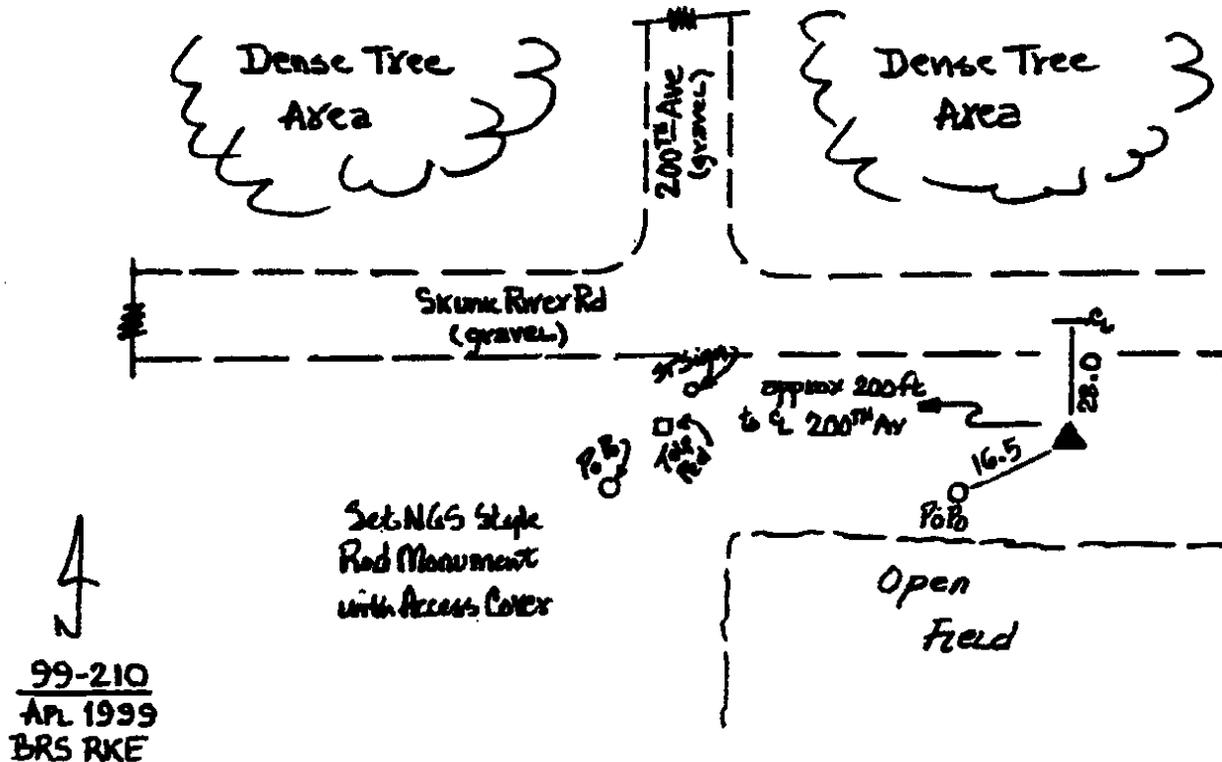
**Designation:** Des Moines Co. GPS Control Pt. 99-210 (Set by ASI in 1999)

NAD 83(NA2011) Latitude: **N40°46'58.89785"** Longitude: **W91°19'08.57196"**  
NAVD 88 Ortho Height: **560.170sft** Ellip. Ht: **451.159sft** **Geoid12A**

Iowa South Zone (1402) Northing: **292852.367sft** Easting: **2244323.941sft**  
Mapping Angle: **1°26'12"** Combination Scale Factor: **0.9999532758**

IaRCS Zone 14 Northing: **6394202.816sft** Easting: **24480877.793sft**  
Mapping Angle: **-0°02'42"** Combination Scale Factor: **0.9999968887**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **221**

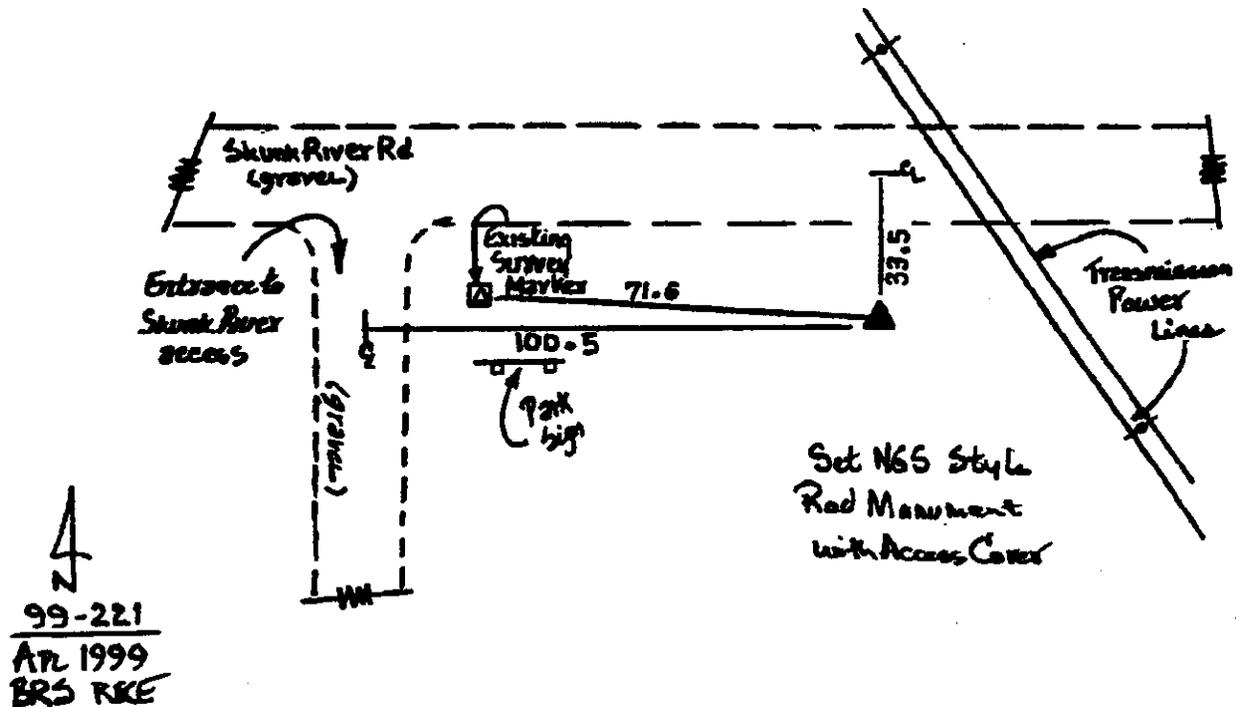
**Designation:** Des Moines Co. GPS Control Pt. 99-221 (Set by ASI in 1999)

NAD 83(NA2011) Latitude: **N40°45'18.36189"** Longitude: **W91°15'26.78575"**  
NAVD 88 Ortho Height: **552.960sft** Ellip. Ht: **443.870sft** **Geoid12A**

Iowa South Zone (1402) Northing: **283115.104sft** Easting: **2261641.598sft**  
Mapping Angle: **1°28'38"** Combination Scale Factor: **0.9999572708**

IaRCS Zone 14 Northing: **6384020.544sft** Easting: **24497938.557sft**  
Mapping Angle: **-0°00'17"** Combination Scale Factor: **0.9999968234**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **232**

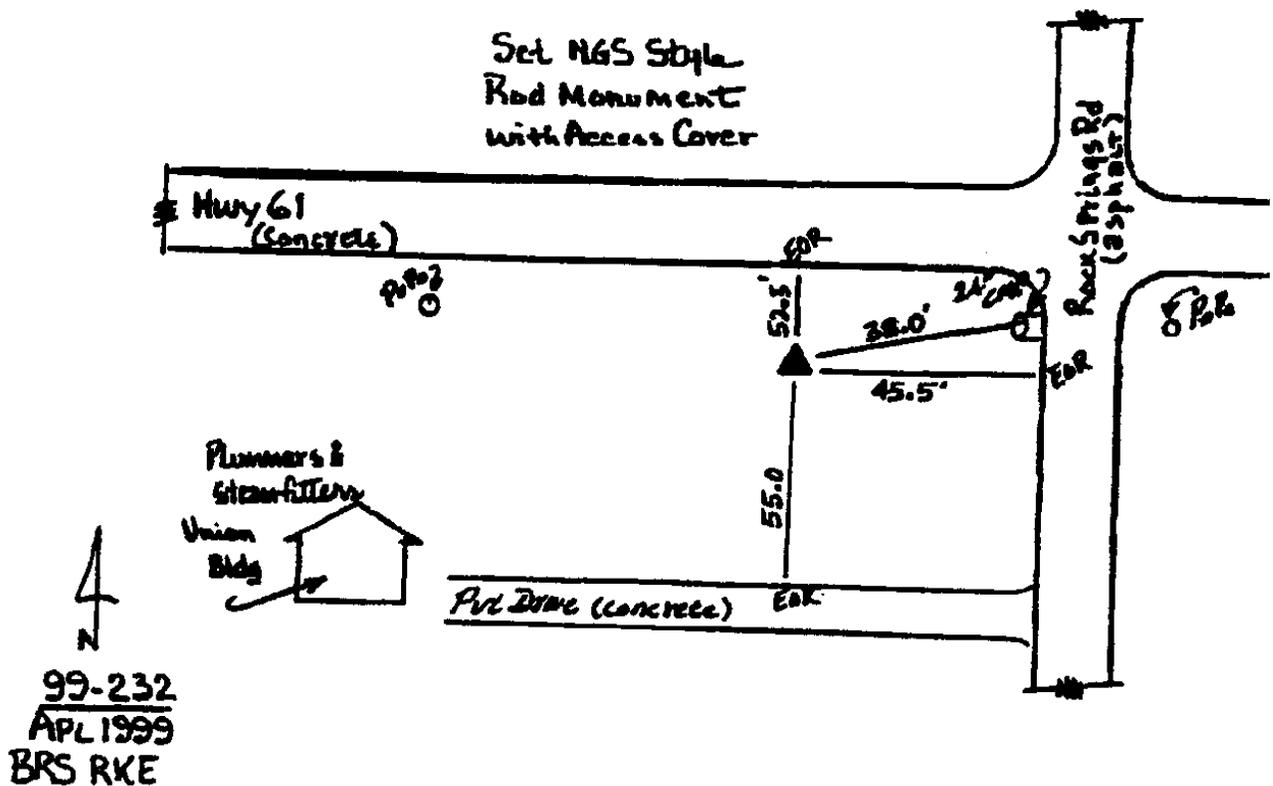
**Designation:** Des Moines Co. GPS Control Pt. 99-232 (Set by ASI in 1999)

NAD 83(NA2011) Latitude: **N40°43'38.75142"** Longitude: **W91°12'02.23913"**  
NAVD 88 Ortho Height: **557.060sft** Ellip. Ht: **447.892sft** Geoid12A

Iowa South Zone (1402) Northing: **273448.818sft** Easting: **2277644.065sft**  
Mapping Angle: **1°30'53"** Combination Scale Factor: **0.9999609242**

IaRCS Zone 14 Northing: **6373943.184sft** Easting: **24513686.230sft**  
Mapping Angle: **0°01'56"** Combination Scale Factor: **0.9999968406**

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



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**Lee County, Iowa**  
Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **245**

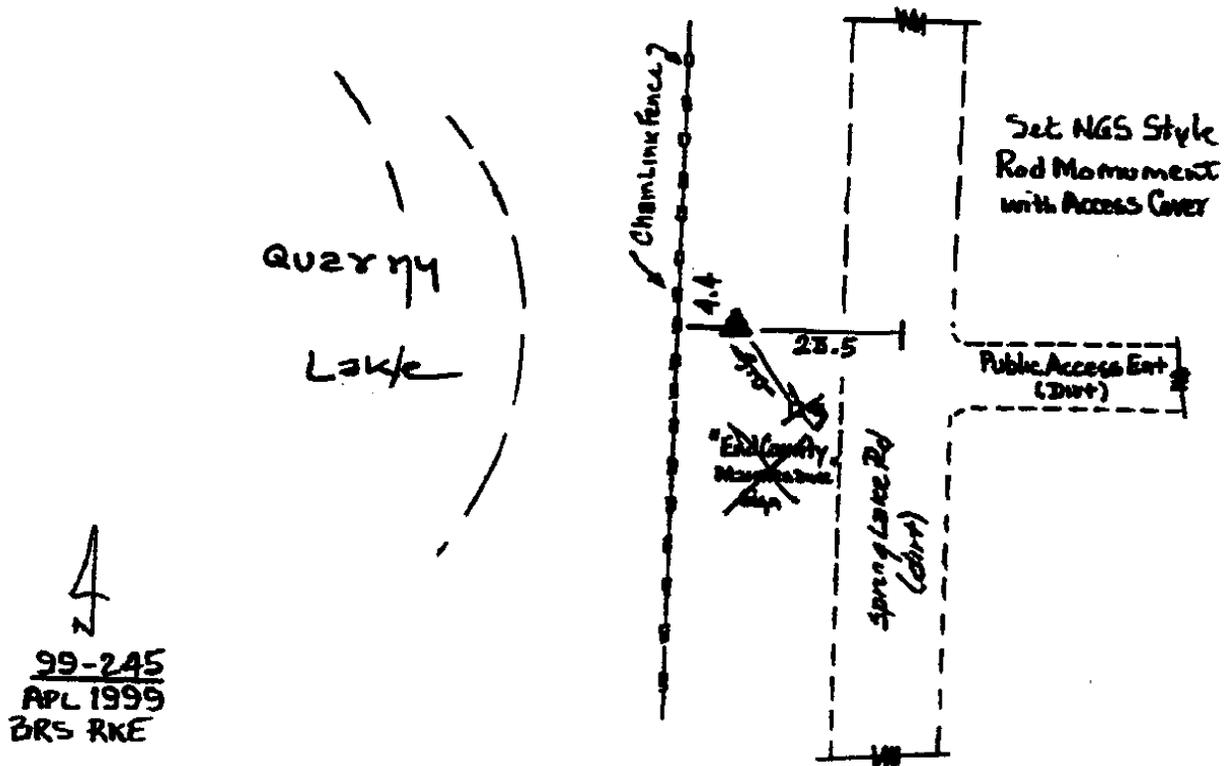
**Designation:** Des Moines Co. GPS Control Pt. 99-245 (Set by ASI in 1999)

NAD 83(NA2011) Latitude: **N40°43'57.58324"** Longitude: **W91°08'34.69297"**  
NAVD 88 Ortho Height: **532.490sft** Ellip. Ht: **423.331sft** **Geoid12A**

Iowa South Zone (1402) Northing: **275781.572sft** Easting: **2293565.603sft**  
Mapping Angle: **1°33'09"** Combination Scale Factor: **0.9999613515**

IaRCS Zone 14 Northing: **6375863.295sft** Easting: **24529663.378sft**  
Mapping Angle: **0°04'11"** Combination Scale Factor: **0.9999988043**

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



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **306 (Destroyed)**

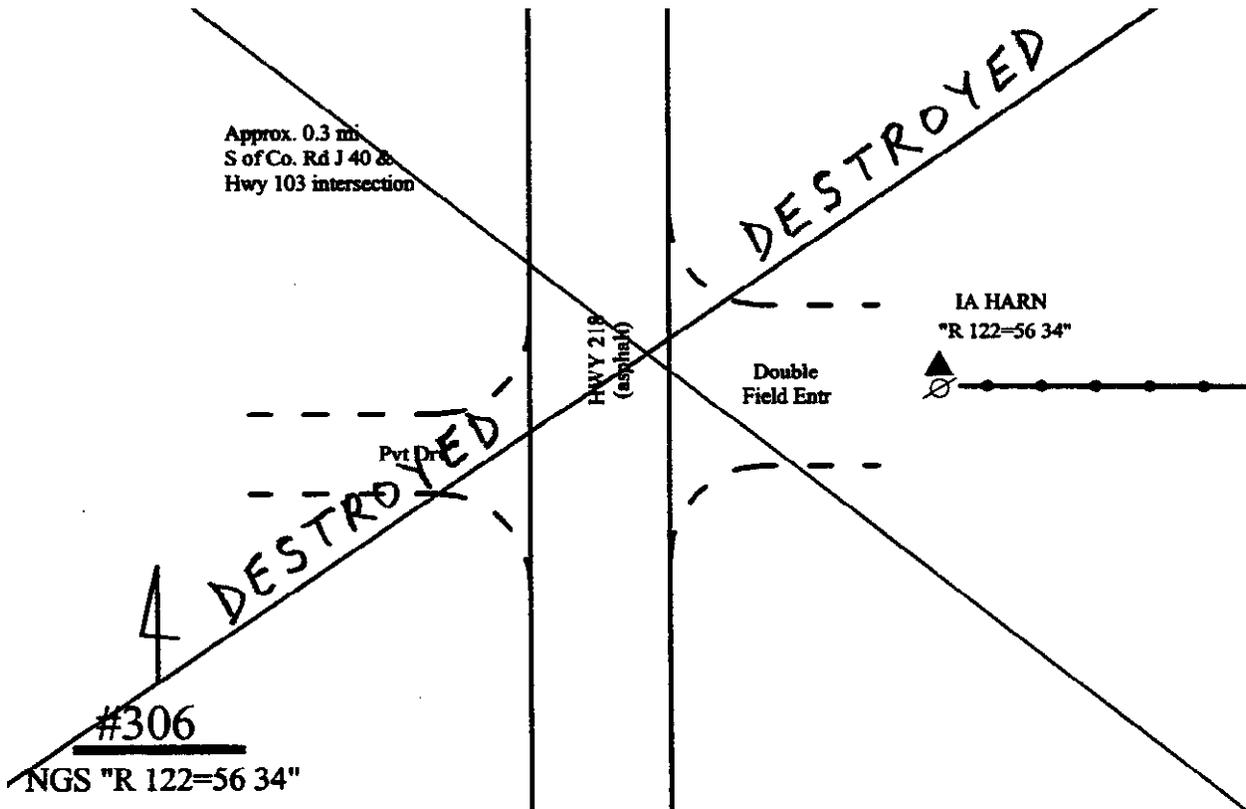
**Designation:** ~~GBN control station "R 122=56 34" PID:LD0612~~

NAD 83(NA2011) Latitude: ~~**N40°43'17.438500"**~~ Longitude: ~~**W91°33'49.847620"**~~  
NAVD 88 Ortho Height: ~~**700.35sft**~~ Ellip. Ht: ~~**591.46sft**~~ ~~**Geoid96C**~~

Iowa South Zone (1402) Northing: ~~**268841.64sft**~~ Easting: ~~**2177049.71sft**~~  
Mapping Angle: ~~**1°16'31"**~~ Combination Scale Factor: ~~**0.99995486**~~

IaRCS Zone 14 Northing: ~~**N/Asft**~~ Easting: ~~**N/Asft**~~  
Mapping Angle: ~~**N/A**~~ Combination Scale Factor: ~~**N/A**~~

**Monument Type:** ~~A standard bench disk set in the top of a concrete post.~~



**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **307**

**Designation:** CBN control station "JACKSON" PID: LD0867

NAD 83(NA2011) Latitude: **N40°52'20.17798"** Longitude: **W91°35'51.85819"**

NAVD 88 Ortho Height: **716.830sft** Ellip. Ht: **608.183sft** **Geoid12A**

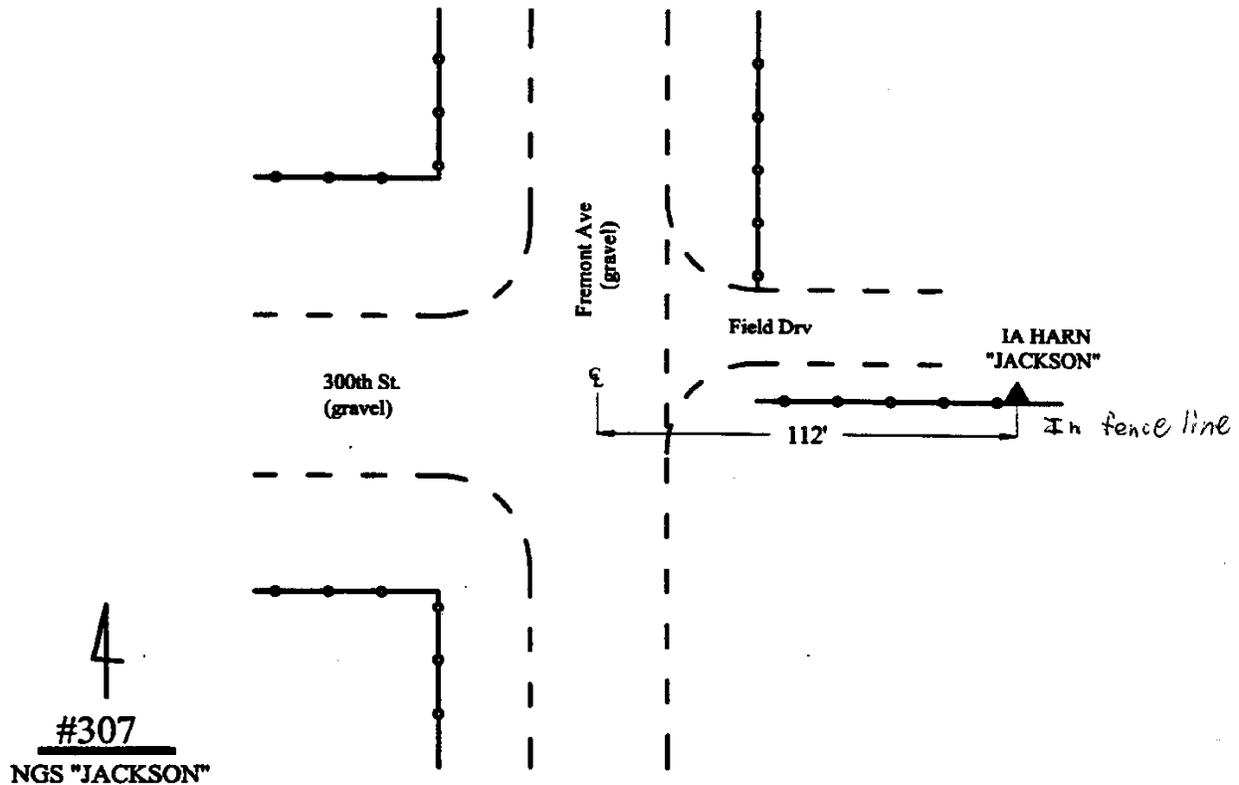
Iowa South Zone (1402) Northing: **323547.500sft** Easting: **2166456.500sft**

Mapping Angle: **1°15'11"** Combination Scale Factor: **0.9999357051**

laRCS Zone 14 Northing: **6426902.050sft** Easting: **24403825.670sft**

Mapping Angle: **-0°13'39"** Combination Scale Factor: **0.9999995495**

**Monument Type:** Triangulation station disk set in the top of a concrete post.



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**Lee County, Iowa**

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

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System Zone 14 Burlington

US Survey Feet

**2014**

Point Name: **312**

**Designation:** CBN control station "MADISON" PID: LD0800

NAD 83(NA2011) Latitude: **N40°38'53.65283"** Longitude: **W91°17'12.95768"**

NAVD 88 Ortho Height: **709.990sft** Ellip. Ht: **600.812sft** **Geoid12A**

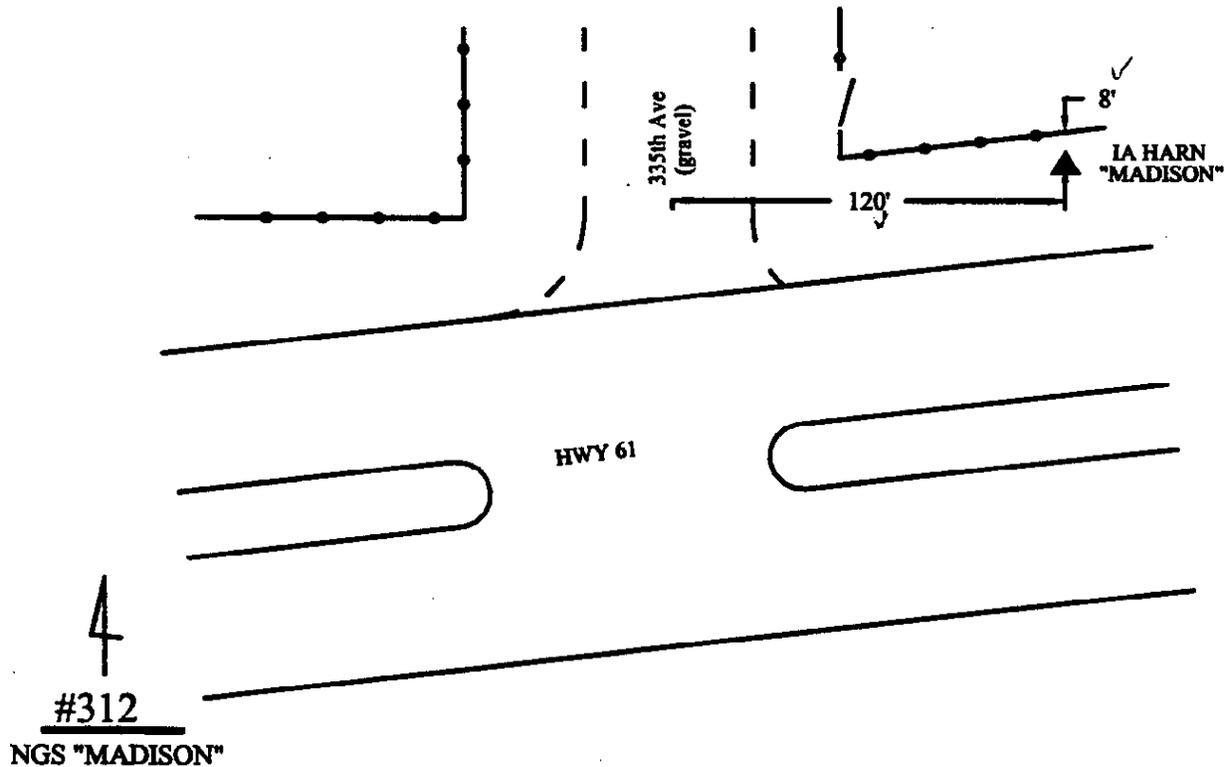
Iowa South Zone (1402) Northing: **243985.320sft** Easting: **2254464.010sft**

Mapping Angle: **1°27'28"** Combination Scale Factor: **0.9999659079**

IaRCS Zone 14 Northing: **6345088.233sft** Easting: **24489751.149sft**

Mapping Angle: **-0°01'27"** Combination Scale Factor: **0.9999894493**

**Monument Type:** Triangulation station disk set in the top of a concrete post.



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**Lee County, Iowa**

Horizontal Datum: **NAD 83(2011)** - Vertical Datum: **NAVD 1988**  
Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **315**

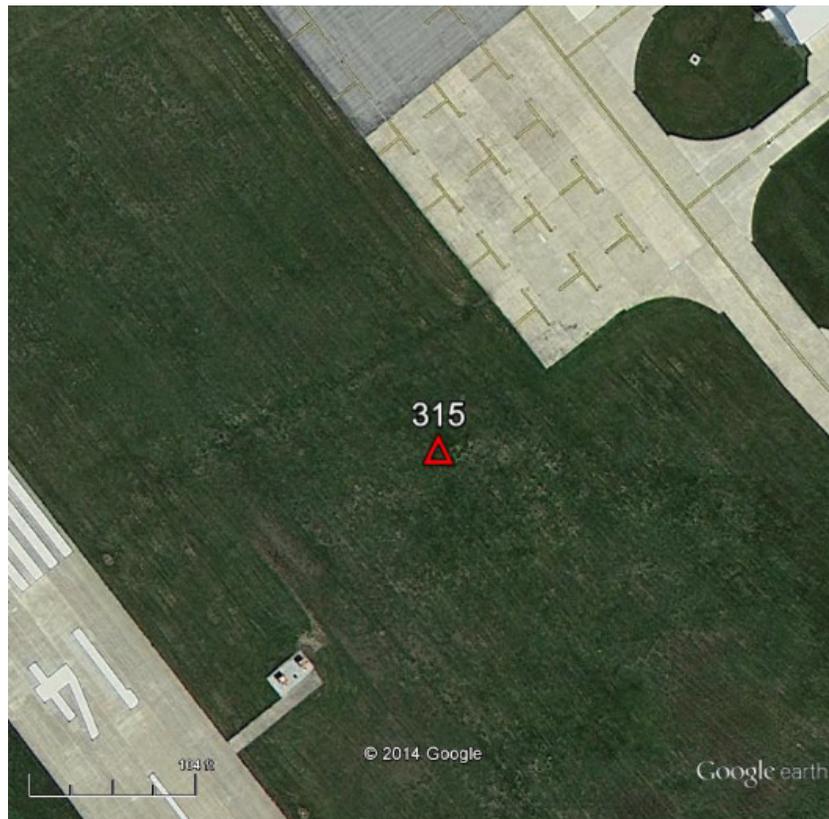
**Designation:** Primary Airport Control Station "EOK A 2000" PID: AJ8295

NAD 83(NA2011) Latitude: **N40°27'47.51268"** Longitude: **W91°26'04.65943"**  
NAVD 88 Ortho Height: **666.728sft** Ellip. Ht: **557.673sft** **Geoid12A**

Iowa South Zone (1402) Northing: **175582.070sft** Easting: **2215092.480sft**  
Mapping Angle: **1°21'38"** Combination Scale Factor: **1.0000040135**

IaRCS Zone 14 Northing: **6277724.976sft** Easting: **24448624.428sft**  
Mapping Angle: **-0°07'11"** Combination Scale Factor: **0.9999944045**

**Monument Type:** A stainless steel rod in sleeve (10 FT. +).



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**Lee County, Iowa**

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Iowa State Plane South Zone (1402)  
Iowa Regional Coordinate System Zone 14 Burlington  
US Survey Feet  
**2014**

Point Name: **400**

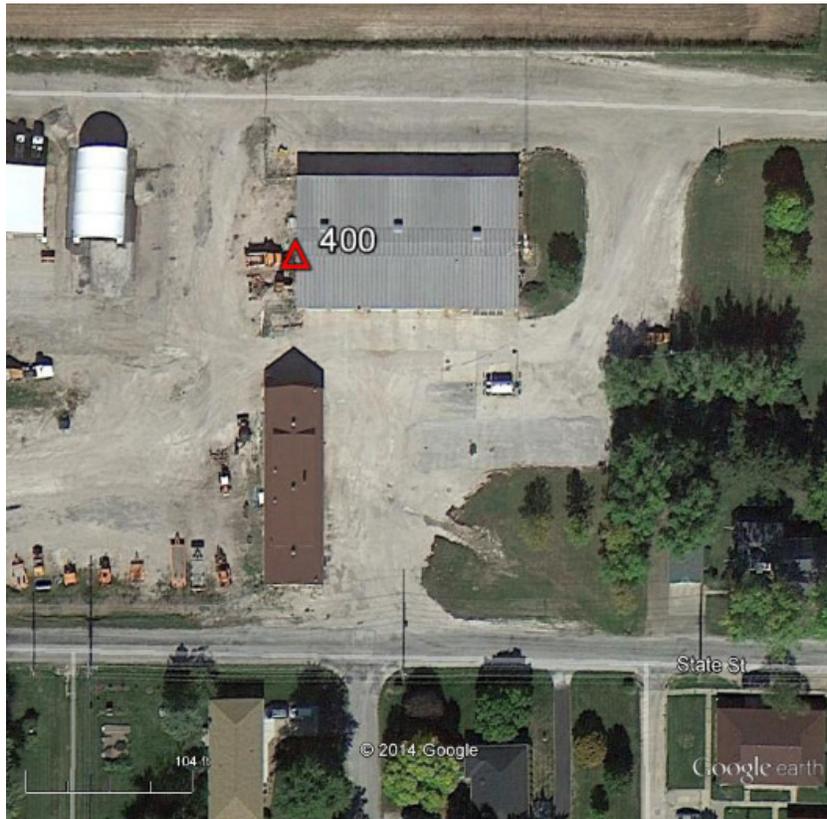
**Designation:** CORS station "IADT DONNELLSON CORS ARP" PID: DP1316

NAD 83(NA2011) Latitude: **N40°38'48.98304"** Longitude: **W91°33'57.38927"**  
NAVD 88 Ortho Height: **728.013sft** Ellip. Ht: **618.997sft** **Geoid12A**

Iowa South Zone (1402) Northing: **241667.350sft** Easting: **2177073.200sft**  
Mapping Angle: **1°16'26"** Combination Scale Factor: **0.9999652570**

IaRCS Zone 14 Northing: **6344770.945sft** Easting: **24412324.221sft**  
Mapping Angle: **-0°12'21"** Combination Scale Factor: **0.9999972478**

**Monument Type:** Station is the antenna reference point of the GPS antenna.



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