

SECTION CORNER RECORD

NE 800-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1788903.10 East: 3166578.27 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: six inches below adjacent gravel road surface

Indiana tie card references:

IN02_T20NR2E20_80 IN02_T20NR2E21_72

IN02_T20NR2E29_08 IN02_T20NR2E28_00

CORNER WITNESS DETAIL

SCALE 1" = 30'



- A - Boone County witness mark, flush, 71.35'
- B - Mag nail set in E. side power pole, 2' a.g., 29.97'
- C - N.W. corner, concrete block garage, 30.17'
- D - S.W. corner, concrete block garage, 38.26'

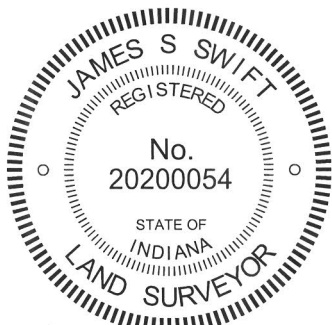
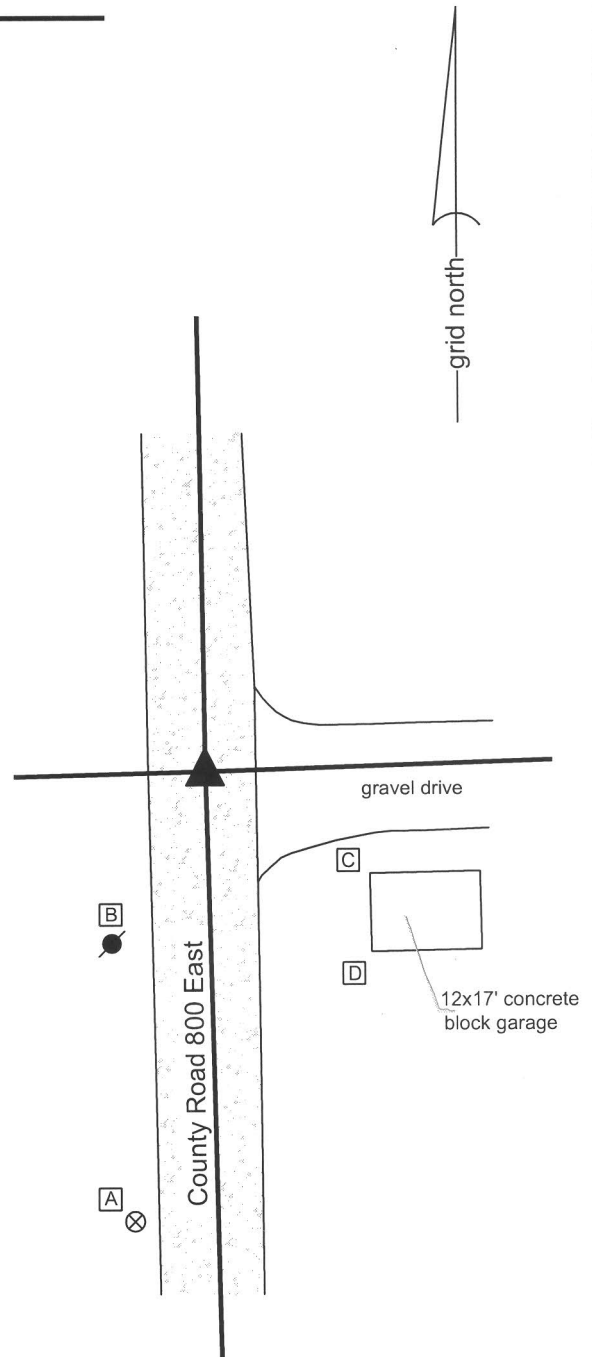
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set over a stone found.

A BCS record of February 16, 1869 states "reestablished from trees (both green) Set two rocks one 17.13 by 5 in (+) Top One 19.17 by 13 in +." A BCS tie card dated August 23, 1974 states "wood stake found."

This corner was excavated on July 26, 2013. Prior to excavation, a railroad spike was found at 1 inch deep in the gravel road. Excavation revealed a stone found at 12 inches deep. The stone was embedded in the clay layer below the road, with the top of the stone at the bottom of the road bed. The stone is of an odd, triangular shape and specific N-S/E-W dimensions were difficult to positively identify. The top 7 inches of the stone were exposed, at which point the stone appeared to be approximately 14 inches N-S by 12 inches E-W. Using a probe, another stone was detected below at 13 inches from the top of the top stone. An etched "+" mark was clearly visible at the top of the stone, near the high point of the stone. The stone was accepted as marking the corner. Two rebars being 3/8 inch diameter x 2 feet long were driven at an angle near the northwest and southwest sides of the triangular shaped stone. The top 5 inches of the stone and the top of the rebars were all encased in concrete and a harrison monument (4 inch spacer with a lid) was set over the etched + mark on the stone. The railroad spike, removed during excavation, had been 0.3 foot south and 0.4 foot east.

This corner was originally established as a wood post in 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 February 5, 2015

Marion Township

Section 20 T20N, R2E	Section 21 T20N, R2E
Section 29 T20N, R2E	Section 28 T20N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 26, 2013

View of the top, east side of the stone with the etched mark exposed.



View of the top, east side of the stone, washed.



View of the stone as first exposed and the post on the west side of the road.



View from the north, looking across the stone and south along County Road 800 East.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

NE 800-850

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1788988.79 East: 3169238.51 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: Three inches above adjacent ground

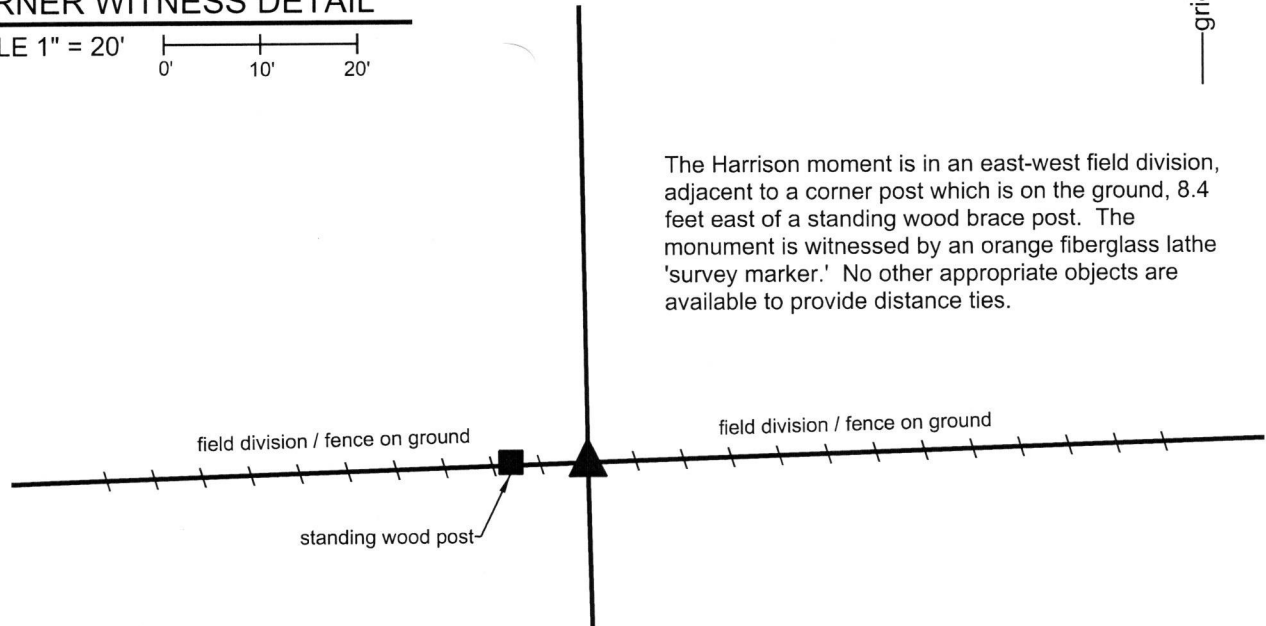
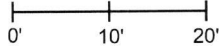
Indiana tie card references:

IN02_T20NR2E21_76 IN02_T20NR2E28_04



CORNER WITNESS DETAIL

SCALE 1" = 20'



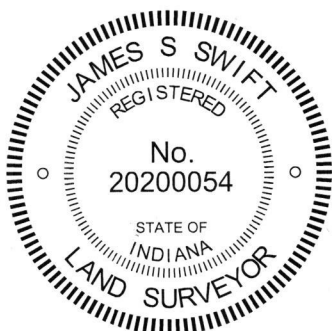
The Harrison monument is in an east-west field division, adjacent to a corner post which is on the ground, 8.4 feet east of a standing wood brace post. The monument is witnessed by an orange fiberglass lathe 'survey marker.' No other appropriate objects are available to provide distance ties.


The Harrison monument was set in place of the remnants of the base of a wood corner post found.


A BCS record of February 16, 1869 states, with respect to this corner, "Found from stump of one tree. Drove no stake." No recent BCS tie cards were found referencing this corner.

Excavation was performed at this corner on March 16, 2018. Prior to excavation, a wood corner post was found on the ground. The post, as found, has clearly fallen toward the south. The post still has fencing (on the ground) attached to the east and west sides and a wood brace remains attached to the west edge of the post. The brace is also attached to the brace post which remains standing to the west. Note, the brace is essentially at ground level, hence it can be attached to both a standing and a fallen post. Further inspection of the corner post indicates that fencing toward the north was previously attached to the post, but now cut-off. Various stones were found on either side of the post, none of which bear the characteristics of a purposely set corner stone. It is noted that the corner post is approximately 5 feet west of a theoretical position for the corner computed with respect to the relative positions of posts found 1/4 mile east and west, respectively, and the previously established corners 1/2 mile east and west, respectively. However, it is also noted that neither of the 1/4 mile posts fall along the half-mile straight lines connecting the section corners to the east and west with the found corner post. Hence, general uncertainties of up to five feet in all directions are attributed to the relative positions of the corner and the supplemental evidence found 1/4 mile east and west of the subject corner.

The remnants of the base of the corner post, as found in the ground, were accepted as the best available evidence of the original position of the corner. A Harrison monument was set in place of said remnants. The portion of the post lying on the ground was left in place, with the down fence still attached. This corner was originally established as a wood post in 1821.




Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054
April 3, 2018

Marion
Township

Section 21
T20N, R2E

Section 28
T20N, R2E

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NE 800-900

State Plane grid coordinates NAD83 (CORS96):
 North: 1789073.68 East: 3171911.56 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
 Depth: One inch below adjacent road surface

Indiana tie card references:
 IN02_T20NR2E21_80 IN02_T20NR2E22_72
 IN02_T20NR2E28_08 IN02_T20NR2E27_00

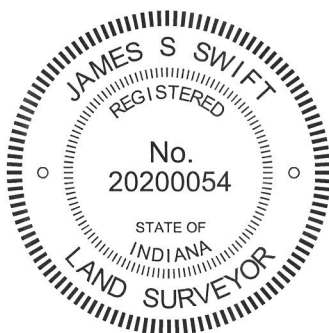
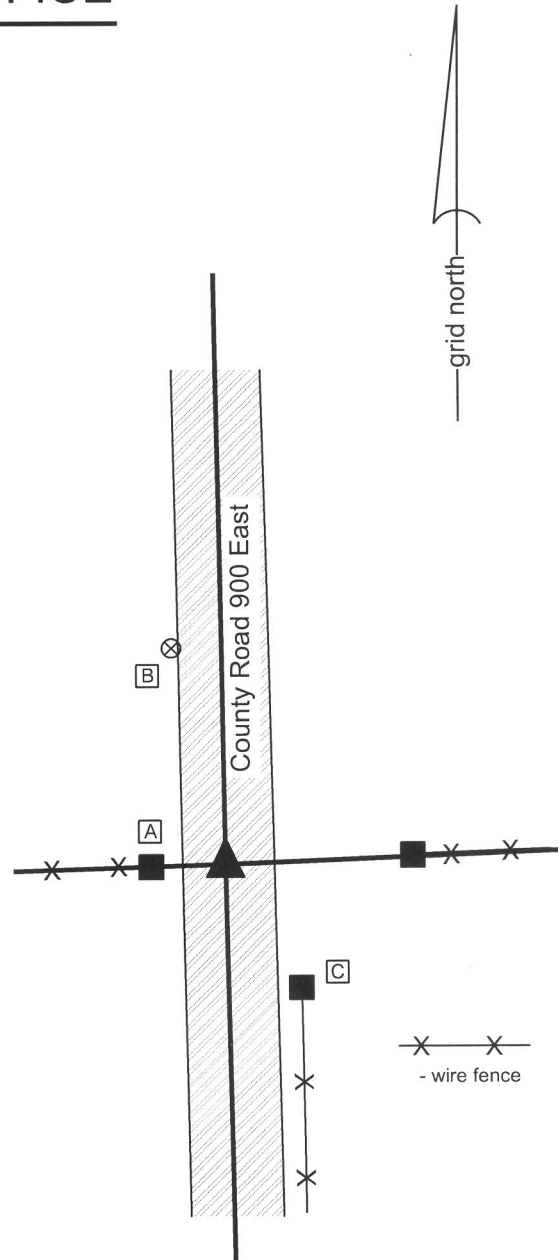
CORNER WITNESS DETAIL

SCALE 1" = 40'

- A - Mag nail set in N. side, wood end post, 15.5'
- B - Boone County witness mark, flush, 46.2'
- C - Mag nail set in W. side wood end post, 2' a.g., 30.0'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set over a stone found.
 A BCS record of February 17-18, 1869 states "Reestablished at intersection of lines 5.15 north of the stump of Elm sight tree called for. Set two rocks, one 7.5.4 marked +. Top rock 16.8.7 1/2 +." It is noted that the Elm sight tree is mentioned in the original federal notes as "A W Elm 14 in. diam." at 74.85 chains north along the line between sections 27 and 28. A tie card which appears to have been supplied by a private company, dated April 18, 1978 states "fnd. stone 0.7' deep, chiseled 'x'."
 This corner was excavated on July 16, 2013. Prior to excavation a railroad spike was found at 3 inches deep in a hole in the asphalt. The railroad spike agreed with the remaining distance ties from the 1978 card. Excavation revealed a stone found at 9 inches deep, directly below the railroad spike. With the top 6 inches of the stone exposed, it measure 7 inches N-S by 8 inches E-W with a clearly chiseled + mark on the top and the high point, near the west edge of the top of the stone. The north and west sides of the stone were flat and vertical. The railroad spike had been approximately 1 inch east of the etched + mark but was clearly over the top of the stone. The stone was left in place and a harrison monument was set over it in the position of the railroad spike as originally found. This corner was originally established as a wood post in 1822.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 February 5, 2015

Marion Township

Section 21 T20N, R2E	Section 22 T20N, R2E
Section 28 T20N, R2E	Section 27 T20N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 16, 2013

View of the stone from above and north.



The stone washed, showing the etched + and the rust mark from the railroad spike.



View of the stone from above and east.



For details and documentation, refer to related sheet "Section Corner Record."

View from the south, looking across the stone and north along County Road 900 East.



SECTION CORNER RECORD

NE 850-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1791551.49 East: 3166533.92 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: One inch below adjacent road surface

Indiana tie card references:

IN02_T20NR2E20_44

IN02_T20NR2E21_36

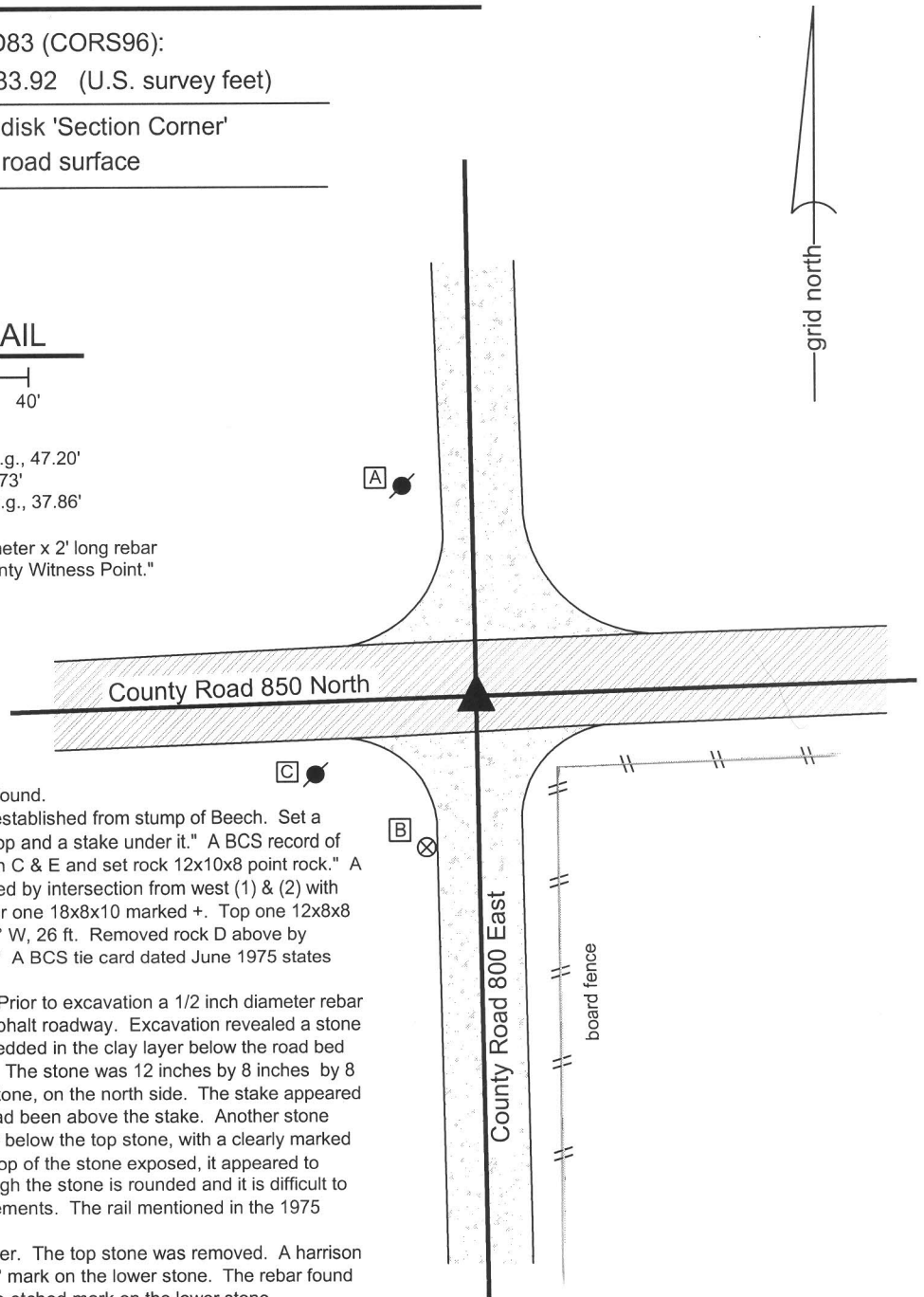
CORNER WITNESS DETAIL

SCALE 1" = 40'



- A - Mag nail set in S. side power pole, 2' a.g., 47.20'
- B - Boone County witness mark, flush, 34.73'
- C - Mag nail set in E. side power pole, 2' a.g., 37.86'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."



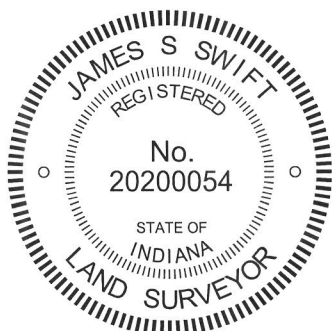
The Harrison monument was set over a stone found.

A BCS record of January 22, 1869 states "Reestablished from stump of Beech. Set a Rock 14.10 by 5 in marked + with a notch on top and a stake under it." A BCS record of January 1, 1908 states "Established in line with C & E and set rock 12x10x8 point rock." A BCS record of April 13, 1908 states "Established by intersection from west (1) & (2) with north and south line; and set two rocks; Under one 18x8x10 marked +. Top one 12x8x8 pointed but unmarked. W. rock 14x12x8 N 52° W, 26 ft. Removed rock D above by consent of interested parties, 30 inches north." A BCS tie card dated June 1975 states "found oak stake 28" deep set rail."

This corner was excavated on July 26, 2013. Prior to excavation a 1/2 inch diameter rebar was found at 2 inches deep in a hole in the asphalt roadway. Excavation revealed a stone found at 18 inches deep. The stone was embedded in the clay layer below the road bed with the top of the stone at the top of the clay. The stone was 12 inches by 8 inches by 8 inches. A wood stake was found next to the stone, on the north side. The stake appeared to be more modern than ancient. The rebar had been above the stake. Another stone was found at approximately 26 inches, directly below the top stone, with a clearly marked etched "+" mark on top. With 4 inches of the top of the stone exposed, it appeared to measure 12 inches E-W by 8 inches N-S, though the stone is rounded and it is difficult to precisely determine cardinal direction measurements. The rail mentioned in the 1975 record was not found.

The two stones were held as marking the corner. The top stone was removed. A Harrison monument was set directly over the etched "+" mark on the lower stone. The rebar found prior to excavation had been 1 foot north of the etched mark on the lower stone.

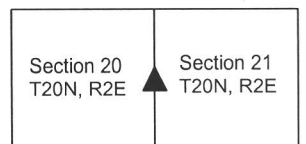
This corner was originally established as a wood post in 1821.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
February 5, 2015

Marion Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 26, 2013

View of the upper stone as first exposed along with the wooden stake.



View of the lower stone showing the etched mark on the top.



View from the south, looking across the upper stone and north along C.R. 800 East.



View from the east, looking across the upper stone and west along C.R. 850 North.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

NE 850-900

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1791716.07 East: 3171862.52 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: One inch below adjacent road surface

Indiana tie card references:

IN02_T20NR2E21_44 IN02_T20NR2E22_36

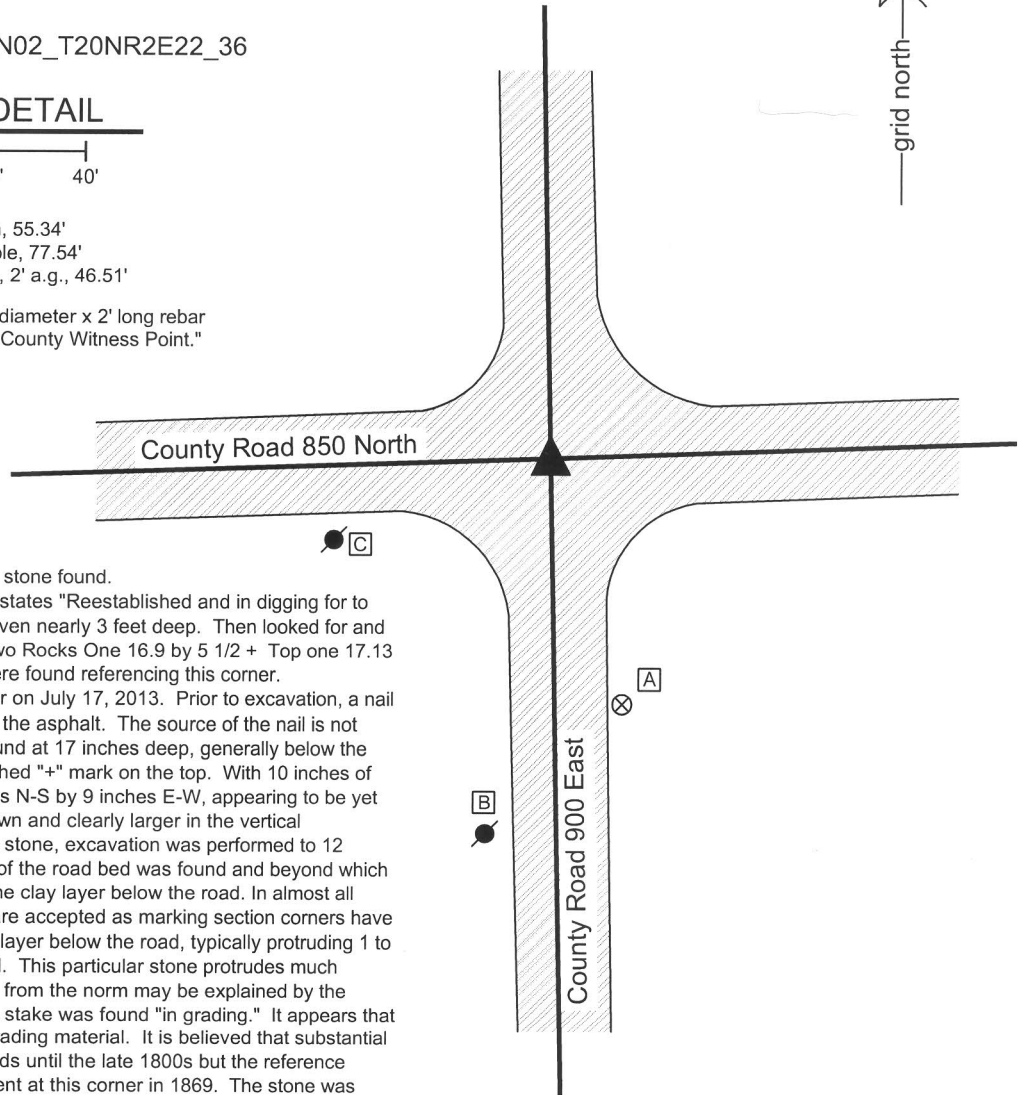


CORNER WITNESS DETAIL

SCALE 1" = 40'

- A - Boone County witness mark, flush, 55.34'
- B - Mag nail set in N.E. side power pole, 77.54'
- C - Mag nail set in E. side power pole, 2' a.g., 46.51'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

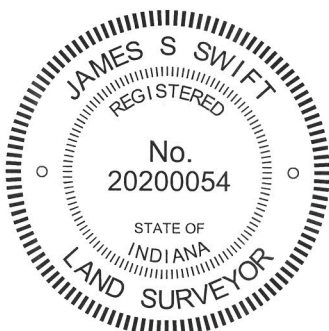


The Harrison monument was set over a stone found.

A BCS record of February 17-18, 1869 states "Reestablished and in digging for to place rocks found a stake in grading driven nearly 3 feet deep. Then looked for and found where Elm stood by roots. Set two Rocks One 16.9 by 5 1/2 + Top one 17.13 by 9 in. +." No recent BCS tie cards were found referencing this corner.

Excavation was performed at this corner on July 17, 2013. Prior to excavation, a nail was found at 5 inches deep in a hole in the asphalt. The source of the nail is not known. Excavation revealed a stone found at 17 inches deep, generally below the nail. The stone has a clearly visible etched "+" mark on the top. With 10 inches of the stone exposed, it measured 9 inches N-S by 9 inches E-W, appearing to be yet larger in the E-W dimensions further down and clearly larger in the vertical dimension. Along the north edge of the stone, excavation was performed to 12 inches deep, at which point the bottom of the road bed was found and beyond which the stone appears to be embedded in the clay layer below the road. In almost all cases, stones found in the road which are accepted as marking section corners have been found to be embedded in the clay layer below the road, typically protruding 1 to 3 inches into the bottom of the road bed. This particular stone protrudes much further into the road bed. This variation from the norm may be explained by the reference in the record that notes that a stake was found "in grading." It appears that the stone was also set partially in the grading material. It is believed that substantial grading was not common on county roads until the late 1800s but the reference makes clear that this material was present at this corner in 1869. The stone was accepted as being the top stone described in the 1869 record and was held as marking the corner. A Harrison monument was set directly above the etched "+" mark on the stone. The nail, removed during excavation, had been 0.3 foot further north.

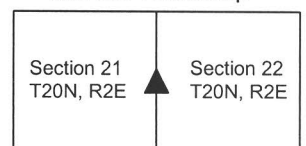
This corner was originally established as a wood post in 1821.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
February 5, 2015

Marion Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 17, 2013

View of the stone as first exposed.



View of the stone from above.



View from the north, looking across the stone and south along County Road 900 East.



View from the west, looking across the stone and east along County Road 850 North.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

NE 900-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1794194.48 East: 3166488.82 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: six inches below adjacent gravel road surface

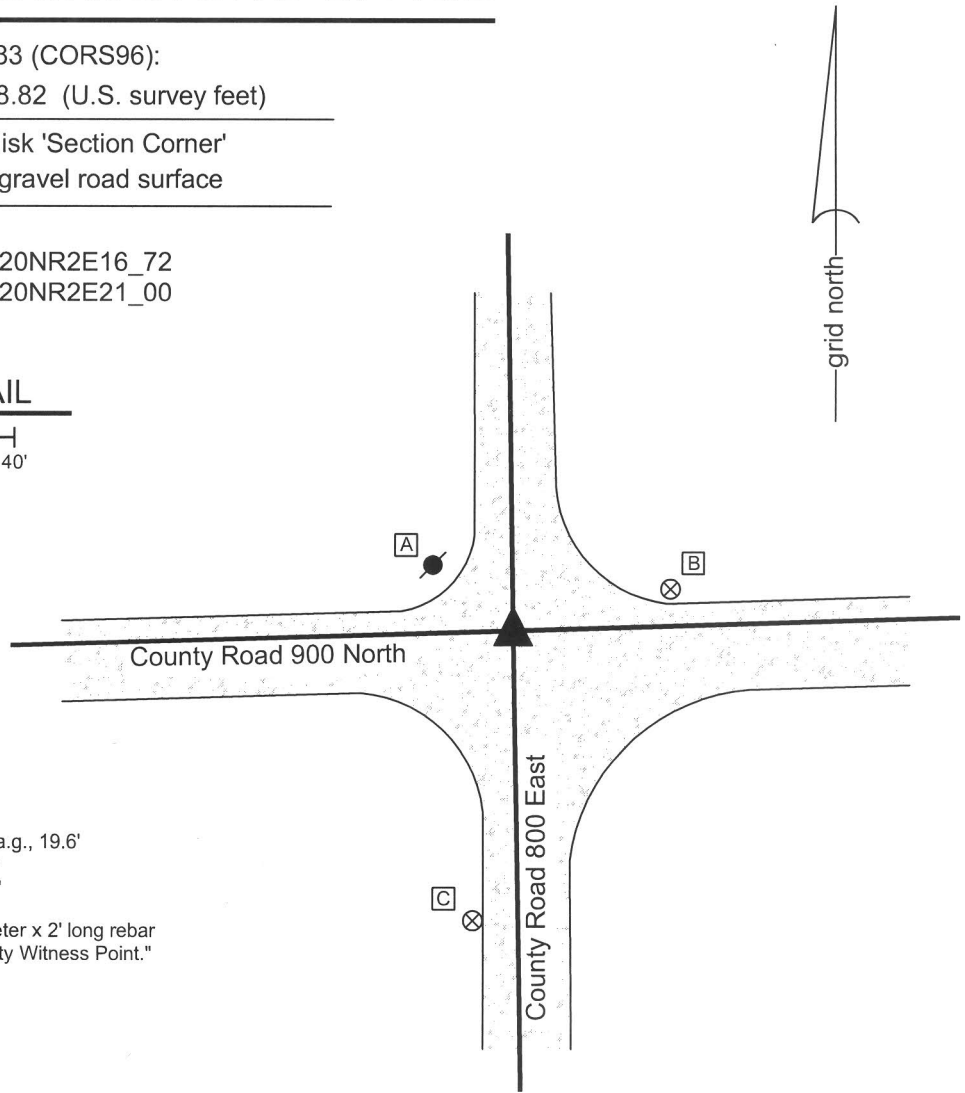
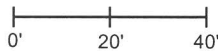
Indiana tie card references:

IN02_T20NR2E17_80 IN02_T20NR2E16_72

IN02_T20NR2E20_08 IN02_T20NR2E21_00

CORNER WITNESS DETAIL

SCALE 1" = 40'



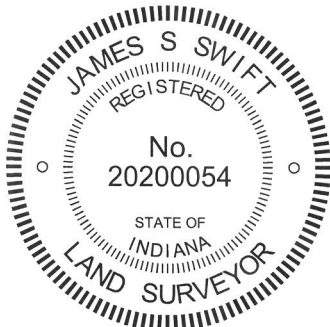
- A - Mag nail set in S.E. side power pole, 2' a.g., 19.6'
- B - Boone County witness mark, flush, 33.8'
- C - Boone County witness mark, flush, 61.1'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The Harrison monument was set over a stone found.

A BCS record of April 28, 1883 states "found from Oak stump, set no monument." Subsequent records of 1903, 1908 mention the corner as the terminal point for measurements, but do not specifically describe a monument. A BCS tie card dated August 21, 1974 states "no stone found." This corner was excavated on September 10, 2013. Prior to excavation a railroad spike was found at 6 inches deep at the intersection of the gravel roads. The source of the railroad spike is not known. Excavation revealed a piece of an old wood stake found below the railroad spike. Further excavation revealed a stone found at 18 inches deep, slightly north of the railroad spike. With the top 8 inches of the stone exposed, it measured 8 inches E-W by 8 inches N-S. The stone was vertical with a distinct high point and was embedded in the clay layer below the road with the top of the stone at the bottom of the road bed. The stone fit very well with local evidence in the form of visual reckoning of the longer centers of the two roads, fit the characteristics of stones found at many other corners throughout the county and was accepted as the best available evidence of the corner. The stone was left in place, the top 3 inches were encased in concrete and a Harrison monument was set over the top high point. The railroad spike, removed during excavation, had been 1.3 feet south and 0.3 foot east of the stone.

This corner was originally established as a wood post in 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 February 5, 2015

Marion Township

Section 17 T20N, R2E	Section 16 T20N, R2E
Section 20 T20N, R2E	Section 21 T20N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: September 10, 2013

View of the stone from above and west.



View of the stone from above and north.



View from the east, looking across the stone and west along County Road 900 North.



View from the south, looking across the stone and north along County Road 800 East.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

NE 900-850

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1794274.46 East: 3169149.43 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: six inches below adjacent gravel road surface

Indiana tie card references:

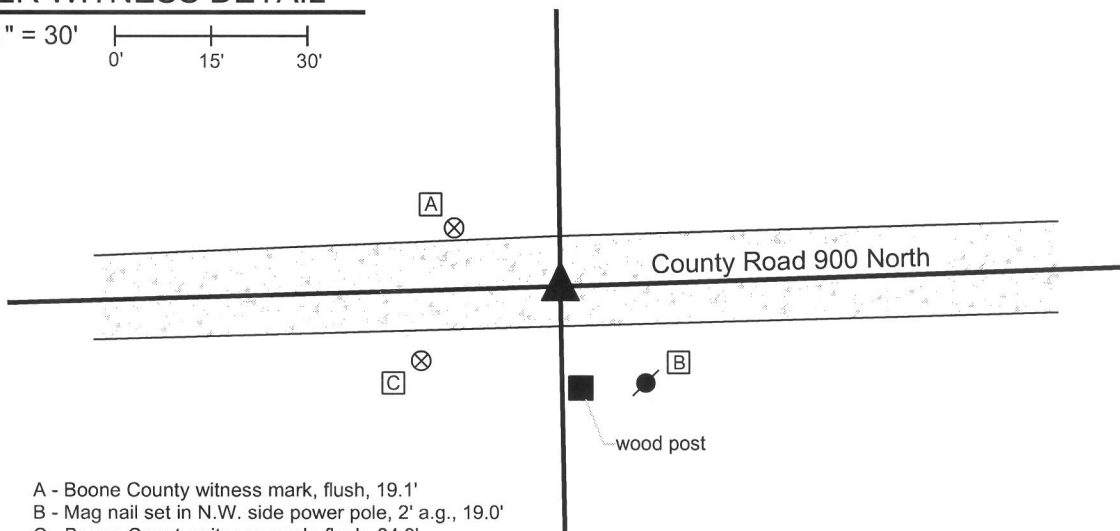
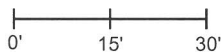
IN02_T20NR2E16_76

IN02_T20NR2E21_04



CORNER WITNESS DETAIL

SCALE 1" = 30'



- A - Boone County witness mark, flush, 19.1'
- B - Mag nail set in N.W. side power pole, 2' a.g., 19.0'
- C - Boone County witness mark, flush, 24.9'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

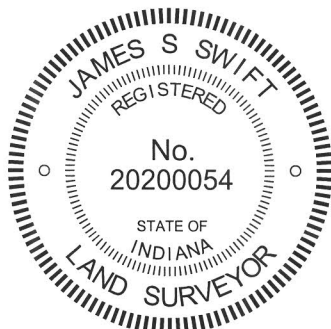
The harrison monument was set in place of a stone found.

A BCS record of September 30, 1872 states "found from stump of Oak." A BCS record of November 10, 1903 states "Run line "G" to "E". F set rock + 6, 20, 22." A BCS tie card dated August 17, 1974 states "No stone."

This corner was excavated on September 10, 2013. Prior to excavation, a vertical section of railroad rail was found at 11 inches deep in the gravel road. Excavation revealed a stone found at 18 inches deep, west of the rail. The stone was removed, measured and found to be 19 inches tall by 22 inches N-S by 9 inches E-W. No specific marks were found on the stone, nor were any noted in the 1903 record. The stone was of similar proportions as that described in the 1903 record and it is noted that the only substantial variation between the record and measured dimensions was in the E-W dimension, being measured as 6 inches whereas the record reports 9 inches. The stone was accepted as marking the corner. A harrison monument was set in position of the center of the top of the stone.

The rail had been 1.5 feet east and 0.7 foot south of the stone. It is believed that the rail was most likely set in association with the creation of the 1974 tie card. Clearly the statement "no stone" on that record was erroneous. The rail was removed during excavation.

This corner was originally established as a wood post in 1821.



Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
February 5, 2015

Marion Township

Section 16
T20N, R2E

Section 21
T20N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: September 10, 2013

View of the stone being exposed.



View of the stone from above and east.



View of the stone from above and west.



View from the north, showing the stone and the post on the south side of the road.



The stone and rail, removed from the road.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NE 900-900

State Plane grid coordinates NAD83 (CORS96):

North: 1794361.35 East: 3171813.19 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: One inch below adjacent road surface

Indiana tie card references:

IN02_T20NR2E16_80 IN02_T20NR2E15_72

IN02_T20NR2E21_08 IN02_T20NR2E22_00

CORNER WITNESS DETAIL

SCALE 1" = 40'

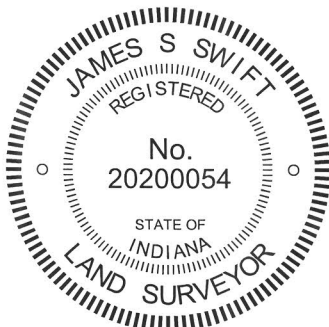
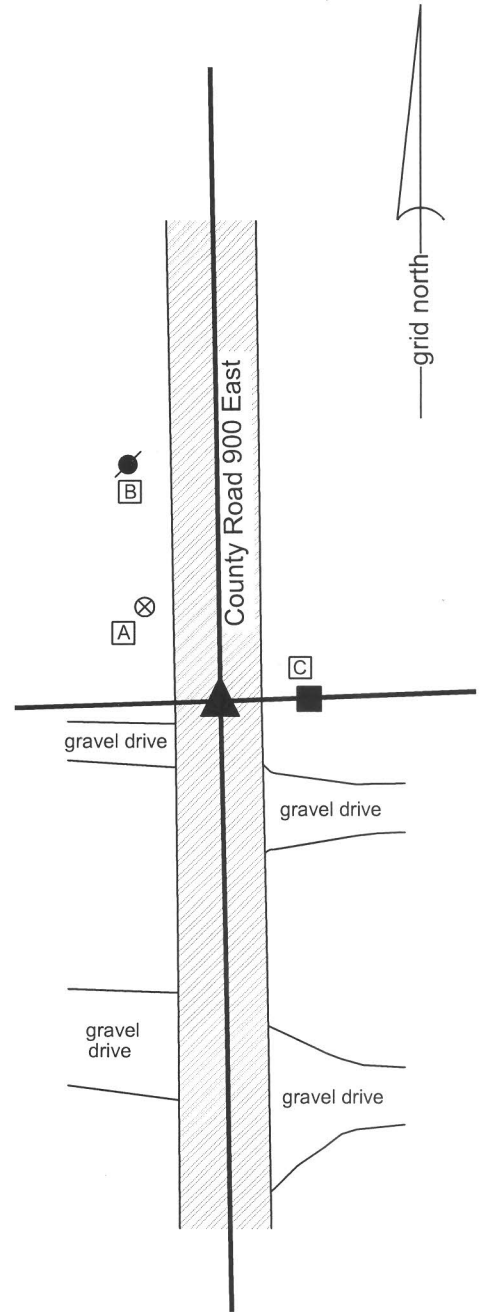
- A - Boone County witness mark, flush, 25.24'
- B - Mag nail set in S. side power pole, 2' a.g., 51.06'
- C - Mag nail set in N.W. corner wood post, 1.5' a.g., 16.29'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set in place of a vertical section of railroad rail found. A BCS record of February 17-18, 1869 states "Found from stump of Beech and stake. Reestablished set two rocks. One 9.8 by 6 in. marked +. Top rock 13.9.5 1/2 +." No recent BCS tie cards were found referencing this corner.

Excavation was performed at this corner on July 18, 2013. Prior to excavation, a railroad rail was found at 9 inches deep in a hole in the asphalt roadway. Excavation of an area approximately centered on the rail and extending 2.5 feet east, south and west and extending 3 feet north at the northwest corner of the hole and 1 foot north at the northeast corner of the hole (due to the presence of a phone line marked on the pavement) revealed no further evidence of the corner. The bottom of the road bed was found at 20 inches deep, which is substantially deeper than the grade of the surrounding land. No explanation is offered for this, as typically the depth of the road bed generally relates to the elevation of the surrounding ground. Excavation was performed to 30 inches deep, well into the clay layer below the road and probing was performed to another 2 feet deep in the immediate vicinity of the rail. The lack of documentation for the rail is problematic, as most rails set for corners in Boone County were set by representatives of this office. Some rails are believed to have been set by employees of Carl Anderson after he ceased being County Surveyor in 1972. It is known that a common practice of the crews which set the rails were to remove a stone, if found, and replace it with a rail. Without documentation it is not possible to know if a stone previously found and replaced with a rail, but that represents one possible explanation for why no stone was found. Another explanation relates to the deep road bed where previous experience would guide one to expect a shallow road bed, given the similar elevations of the road and the surrounding ground. Perhaps the stone was removed during excavation for the more substantial road bed, whenever and if, that may have happened. The rail fits with local evidence of the corner being in the center of the N-S roadway and in line with the old end post to the east. The rail was accepted as the best available evidence of the corner and replaced with a harrison monument in the same position.

This corner was originally established as a wood post in 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 February 5, 2015

Marion Township

Section 16 T20N, R2E	Section 15 T20N, R2E
Section 21 T20N, R2E	Section 22 T20N, R2E