

# SECTION CORNER RECORD

# SW 400-500

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1724249.64 East: 3098403.03 (U.S. survey feet)

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

Depth: One inch below adjacent road surface

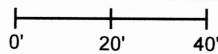
Indiana tie card references:

IN02\_T18NR1W20\_72 IN02\_T18NR1W19\_80

IN02\_T18NR1W30\_08 IN02\_T18NR1W29\_00

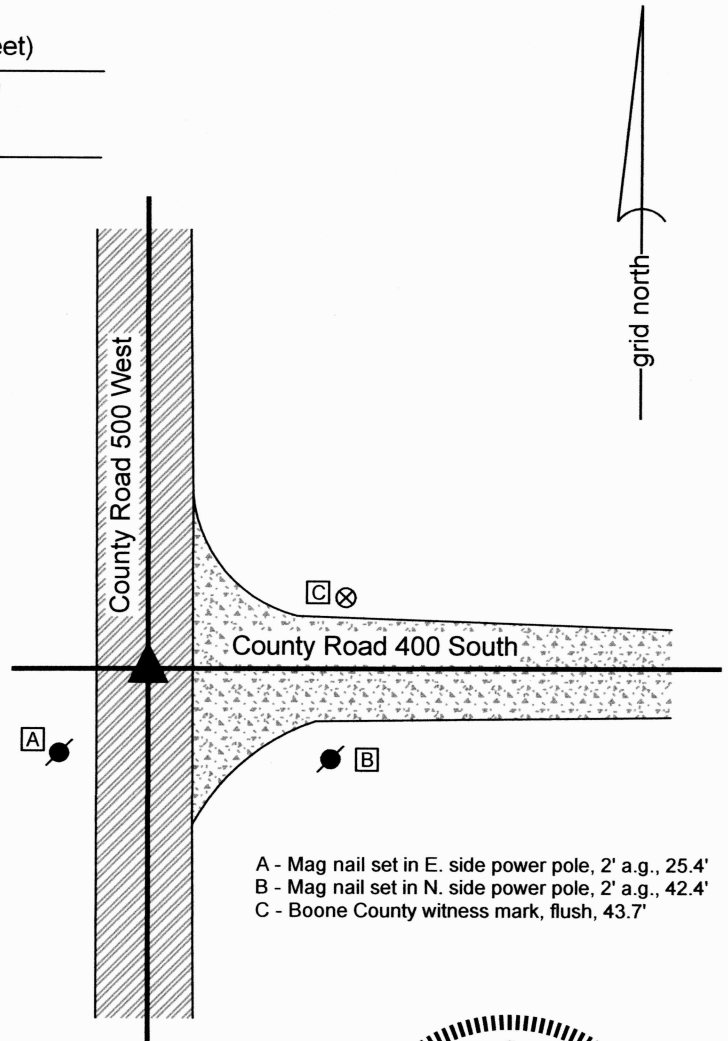
### CORNER WITNESS DETAIL

SCALE 1" = 40'

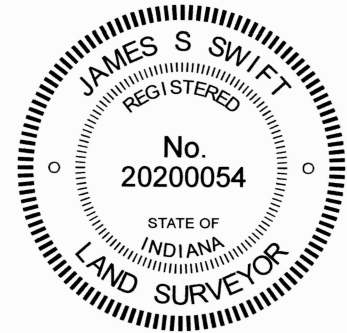


The Harrison monument was set in place of a stone found. No specific descriptions of this corner were found in the BCS Surveyor's Record beyond the original establishment of the corner as a wood post in 1820. However, the corner is referenced in a record of January 5, 1874, which states that the west quarter corner of Section 20 was established on-line between this corner and the northwest corner of Section 20, which indicates that some monument was found to establish that alignment, presumably a stone set by earlier surveyors or pioneer land owners. A BCS tie card dated August 25, 1967 shows the corner with reference ties but notes simply "No Stone."

This corner was excavated on June 7, 2024. Prior to excavation, no monument was visible at the intersection of the county roads, though we found and exposed a railroad spike at 4 inches deep with use of a metal detector. Excavation revealed a vertical section of railroad rail at 9 inches deep, directly below the railroad spike. Though not called-for on that document, this monument was most likely set in association with the 1967 tie card. Further excavation revealed a stone found at 14 inches deep, north and east of the rail. As found, the stone was clearly leaning to the west. As stood up, the stone measured 16 inches tall by 12 inches N-S by 5 inches E-W with a distinct high point at about 6 inches below the current road bed. No specific mark was observed on the stone, which was as expected, given that the records indicate that stone was not specifically called out as set by the County Surveyor, but found and held by the County Surveyor in 1874. In excavation of stones throughout the county, we have observed that typically, only stones set by the County Surveyor after about 1850 have marks. Stones set by earlier surveyors or pioneer land owners do not typically have marks. The bottom half of the stone was embedded in the clay layer below the road, while the top half of the stone protruded into the fill material of the road bed. This protrusion into the road bed may account for how and why the stone was leaned over, presumably hit by road grading equipment at some point when the surface of the road was yet gravel and lower than it is today. This position of the stone fit well with the local evidence of the corner in the form of the centers of the county roads to the north, south and east. The railroad spike and railroad rail, both removed during excavation, had been 1.8 feet south and 1.8 feet west of the stone. The reference on the 1967 tie card of "no stone" is clearly erroneous. The stone was held as marking the corner. The stone was removed and a Harrison monument was set in place of the top, high point of the stone, as it was stood up to a vertical orientation. This corner was originally established as a wood post in 1820.



- A - Mag nail set in E. side power pole, 2' a.g., 25.4'
- B - Mag nail set in N. side power pole, 2' a.g., 42.4'
- C - Boone County witness mark, flush, 43.7'



Jackson Township

Section 19 T18N, R1W	Section 20 T18N, R1W
Section 30 T18N, R1W	Section 29 T18N, R1W

*Carol Cunningham*  
 Carol Cunningham, County Surveyor

*James S. Swift*  
 James S. Swift, IN LS 20200054

June 12, 2024

# SECTION CORNER RECORD

# SW 400-550

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1724237.31 East: 3095747.30 (U.S. survey feet)

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

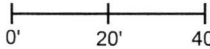
Depth: Six inches below adjacent gravel road surface

Indiana tie card references:

IN02\_T18NR1W19\_76 IN02\_T18NR1W30\_04

### CORNER WITNESS DETAIL

SCALE 1" = 40'

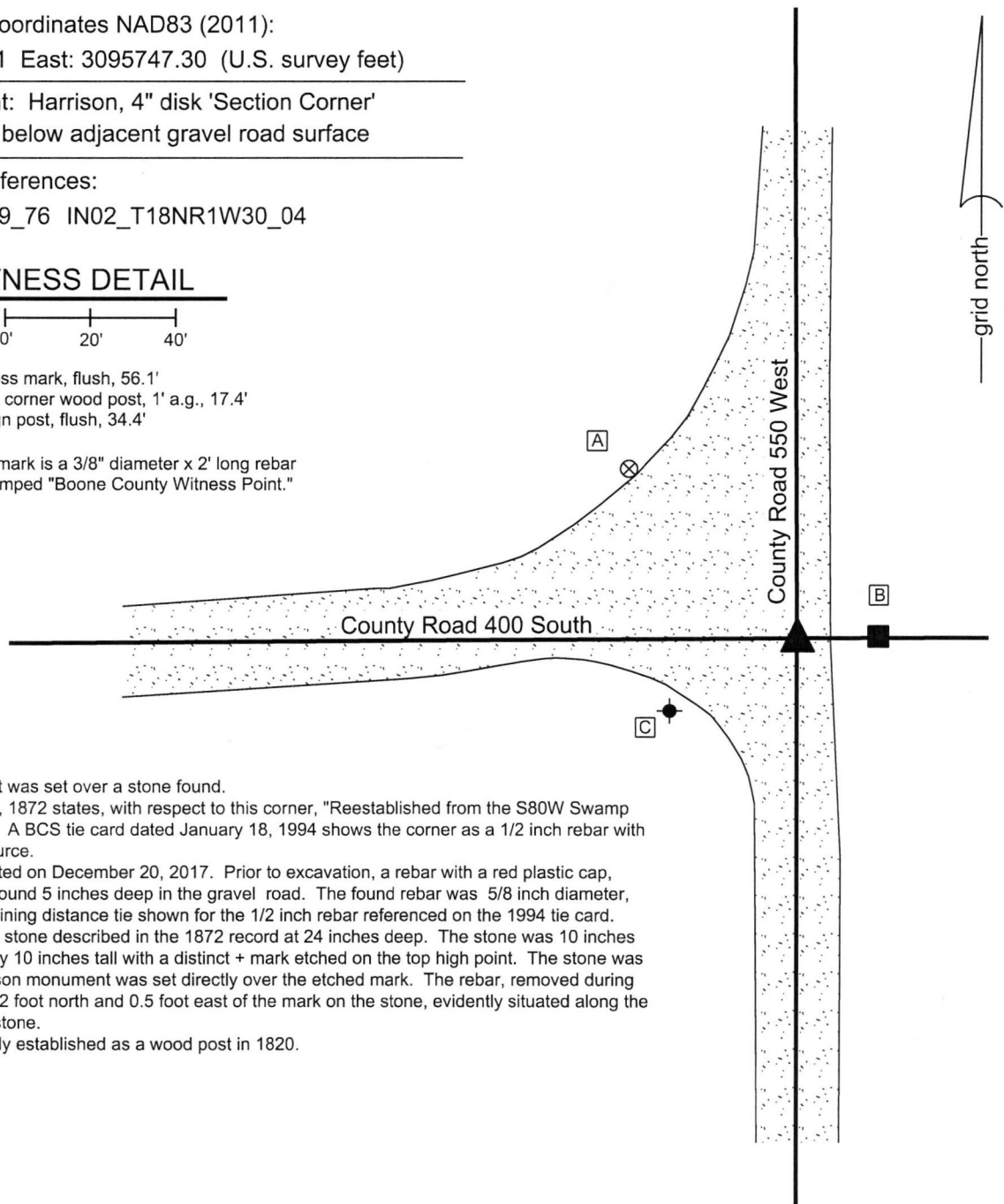


A - Boone County witness mark, flush, 56.1'

B - Mag nail set in S.W. corner wood post, 1' a.g., 17.4'

C - North edge, stop sign post, flush, 34.4'

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 June 4, 1872 states, with respect to this corner, "Reestablished from the S80W Swamp Ash. Rock 10.10.10 +." A BCS tie card dated January 18, 1994 shows the corner as a 1/2 inch rebar with no documentation of source.


This corner was excavated on December 20, 2017. Prior to excavation, a rebar with a red plastic cap, markings illegible, was found 5 inches deep in the gravel road. The found rebar was 5/8 inch diameter, but fit with the one remaining distance tie shown for the 1/2 inch rebar referenced on the 1994 tie card.

Excavation revealed the stone described in the 1872 record at 24 inches deep. The stone was 10 inches N-S by 10 inches E-W by 10 inches tall with a distinct + mark etched on the top high point. The stone was left in place and a Harrison monument was set directly over the etched mark. The rebar, removed during excavation, had been 0.2 foot north and 0.5 foot east of the mark on the stone, evidently situated along the northeast edge of the stone.

This corner was originally established as a wood post in 1820.



  
Kenneth E. Hedge, County Surveyor

  
James S. Swift, IN LS 20200054  
January 31, 2018

Jackson  
Township

Section 19  
T18N, R1W

Section 30  
T18N, R1W

# SECTION CORNER RECORD

SW 400-600

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1724240.58 East: 3093292.35 (U.S. survey feet)

Corner 2: North: 1724220.90 East: 3093292.52 (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\_T18NR2W24\_80 IN02\_T18NR1W19\_72

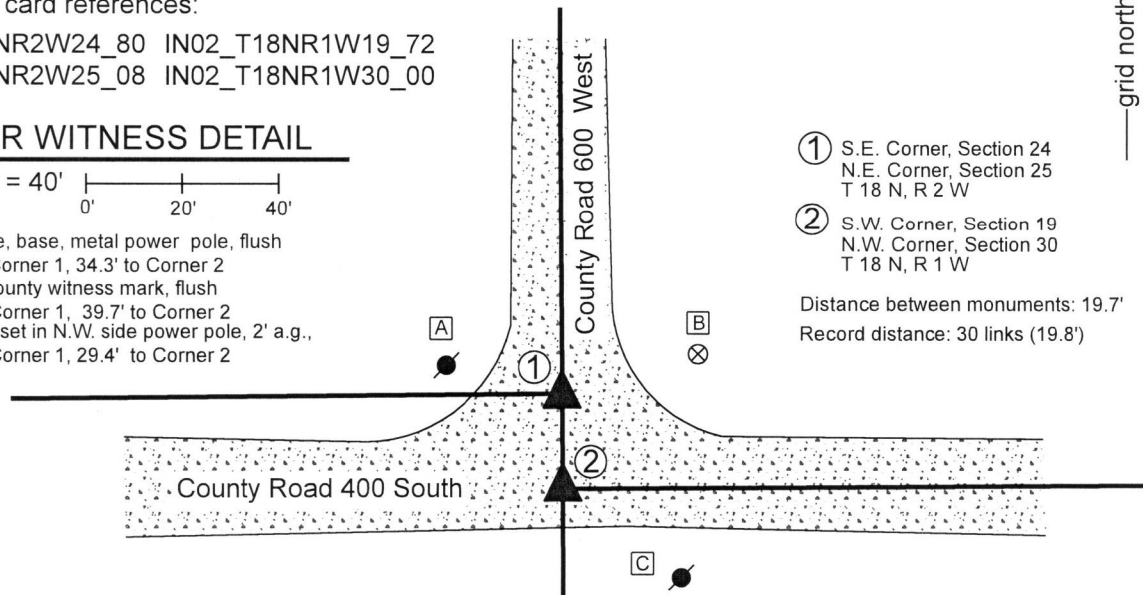
IN02\_T18NR2W25\_08 IN02\_T18NR1W30\_00

### CORNER WITNESS DETAIL

SCALE 1" = 40'



- A - East edge, base, metal power pole, flush  
23.4' to Corner 1, 34.3' to Corner 2
- B - Boone County witness mark, flush  
29.6' to Corner 1, 39.7' to Corner 2
- C - Mag nail set in N.W. side power pole, 2' a.g.,  
44.0' to Corner 1, 29.4' to Corner 2



① S.E. Corner, Section 24  
N.E. Corner, Section 25  
T 18 N, R 2 W

② S.W. Corner, Section 19  
N.W. Corner, Section 30  
T 18 N, R 1 W

Distance between monuments: 19.7'  
Record distance: 30 links (19.8')

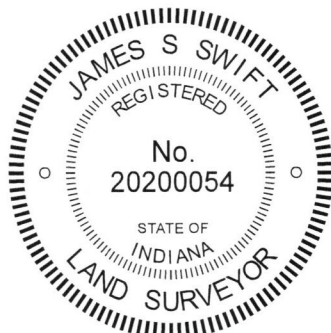
The Harrison monument at Corner 1 was set over a stone found. The Harrison monument at Corner 2 was set in place of a vertical section of railroad rail found.

A BCS record of June 3-4, 1872 describes both corners. In an entry for corner "E" of section 24 (Corner 1 herein) the record states, "Reest. from Oak. Set a rock marked +. 30 links south of this set a rock 21.13.3 +. Cor. sections 19&30." A corresponding record for corner "A" of section 30 (Corner 2 herein), dated June 4, 1872, states "Reestablished 30 links south of corner secs. 24&25 where an oak is green. Set a rock 21.13.3. Also set a rock + at corner 24 & 25."

A BCS tie card with no date but believed to be from the late 1960s or early 1970s shows the intersection and shows a corner with ties and the notation "STONE LOCATED." The tie card indicates that this is for the corner of section 24 & 25, though the graphical representation of the intersection indicates that the corner established on that date is actually the corner of sections 19&30.

These corners were excavated on August 16, 2018. Prior to excavation, a vertical section of railroad rail was known to mark the corner of sections 19&30. The position of a stone marking the corner of sections 24&25 was determined from information shown on a survey by Frank T. Luse, LS20000223 recorded as Instrument 201300014151 in the Office of the Boone County Recorder. Excavation at Corner 1 revealed the vertical section of railroad rail at 3 inches deep. No stone or other evidence was found around the rail. It is believed that the stone which was set in 1872 was removed and replaced with the railroad rail at the time of the creation of the undated tie card, as it is known that this was a common practice of BCS field crews in that era. Excavation at Corner 1 revealed a stone found at 16 inches deep. The stone was of a rough surface and no specific markings were detected on it. The highest point is at the north edge of the stone. This point was at 19.7 feet (0.1 foot less than 30 links) north of the center point of the top of the rail. The top of the rail was held as marking Corner 2. The rail was removed and a Harrison monument was set in the same position. The specific position of Corner 1 was established on a prolongation of the line from the corner 1/2 mile south (see Corner SW 450-600) through the rail at the distance between the top of the rail and the north edge / high point of the stone found at Corner 1. A Harrison monument was set at this position, which fell approximately 0.1 foot west of the high point of the found stone. Hence the monument is situated directly over the stone but 0.1 foot west of the high point on the north edge and the two corners are at 19.7 feet apart, rather than 19.8 feet. It is noted that if the full 30 link separation were held, Corner 1 would fall slightly north of the north edge of the found stone. It is noted that the east-west roadway of County Road 400 South does not jog at this corner and that the roadway between Corner 1 and the corner 1/2 mile west (see Corner SW 400-650) is south of the section line.

Corner 1 was originally established in 1819. Corner 2 was established in 1820, 30 links south of Corner 1.



*Kenneth E. Hedge*  
Kenneth E. Hedge, County Surveyor

*James S. Swift*  
James S. Swift, IN LS 20200054  
August 29, 2018

Jackson Township

Section 24 T18N, R2W	Section 19 T18N, R1W
Section 25 T18N, R2W	Section 30 T18N, R1W

# SECTION CORNER RECORD

SW 450-500

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1721606.73 East: 3098414.54 (U.S. survey feet)

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

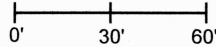
Depth: One inch below adjacent road surface

Indiana tie card references:

IN02\_T18NR1W29\_36 IN02\_T18NR1W30\_44

### CORNER WITNESS DETAIL

SCALE 1" = 60'



- A - Boone County witness mark, flush, 28.9'
- B - Mag nail set in E. side power pole, 2' a.g., 37.7'
- C - Mag nail set in E. side power pole, 2' a.g., 164.6'
- D - N.E. Corner, house, 1' a.g., 53.2'
- E - West edge, round concrete post, flush, 23.2'

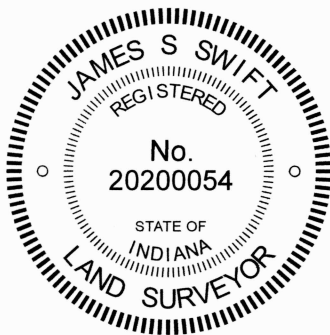
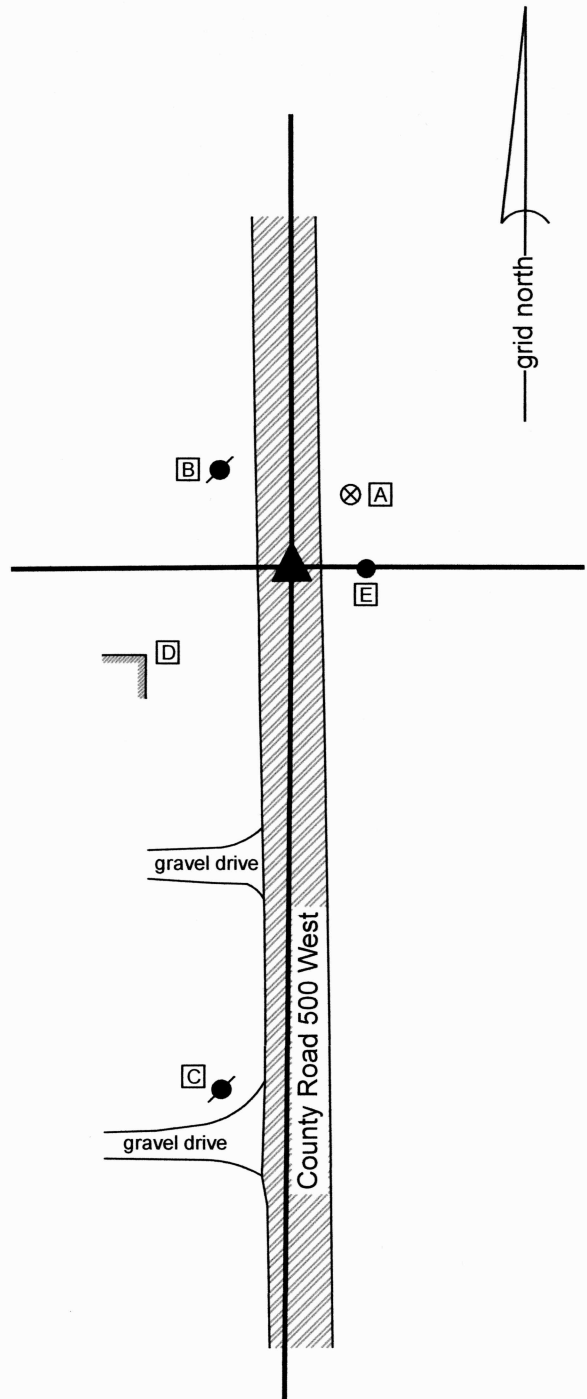
The Harrison monument was set in place of a vertical section of railroad rail found.

No specific descriptions of this corner were found in the BCS Surveyor's Record beyond the original establishment of the corner as a wood post in 1820 and a reference from 1968 which states "no stone."

A BCS tie card dated July 18, 1968 shows the corner in the center of the county road, with a statement of "no stone."

This corner was excavated on June 27, 2024. Prior to excavation, a nail was found at 3 inches deep in the county road. The position of the nail fit with the one remaining distance tie from the 1968 tie card, being the power pole to the northwest. The nail was in the center of the road, in-line with evidence of occupation to the east and west. Excavation revealed a vertical section of railroad rail found at 8 inches deep, directly below the nail. Further excavation of an area 5 feet N-S by 4 feet E-W revealed no further evidence of the corner. The bottom of the road bed was found at 18 inches. Excavation was performed to 21 inches deep.

It is noted that the physical roadway of County Road 500 West deviates from a general straight line in the immediate vicinity of the corner. The nail and rail, which were in the center of the road, were approximately 14 feet east of a line connecting the northeast and southeast corners of Section 30 (see BCS corners SW 400-500 and SW 500-500). The roadway deviates further east as it bears south. At approximately 800 feet south of the corner the center of the road is up to 23 feet east of the mile-long straight line and up to 13 feet east of a line connecting the rail with the southeast corner of Section 30. Our research indicates that the descriptions of properties on both sides of the road have been measured from the position of the rail and that some descriptions reference the fact that the roadway is yet further east from the section line along the line between the east line of the southeast quarter of Section 30 and west line of the southwest quarter of Section 29. All surveys we found have held the position of the rail as the corner. Given the lack of references in the old BCS records to this corner, the lack of contrary evidence found during reconnaissance and excavation, and the universal acceptance of the position of the rail as the corner for surveys done since 1968, we accepted the rail as marking the corner. The rail and nail were both removed during excavation, and a Harrison monument was set in the same position.



*Carol Cunningham*  
\_\_\_\_\_  
Carol Cunningham, County Surveyor

*James S. Swift*  
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James S. Swift, IN LS 20200054  
July 3, 2024

Jackson Township

Section 30 T18N, R1W	Section 29 T18N, R1W
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# SECTION CORNER RECORD

# SW 450-600

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1 only: North: 1721599.73 East: 3093312.95 (U.S. survey feet)

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

Depth: Two inches above adjacent ground

Indiana tie card references:

IN02\_T18NR2W25\_44 IN02\_T18NR1W30\_36

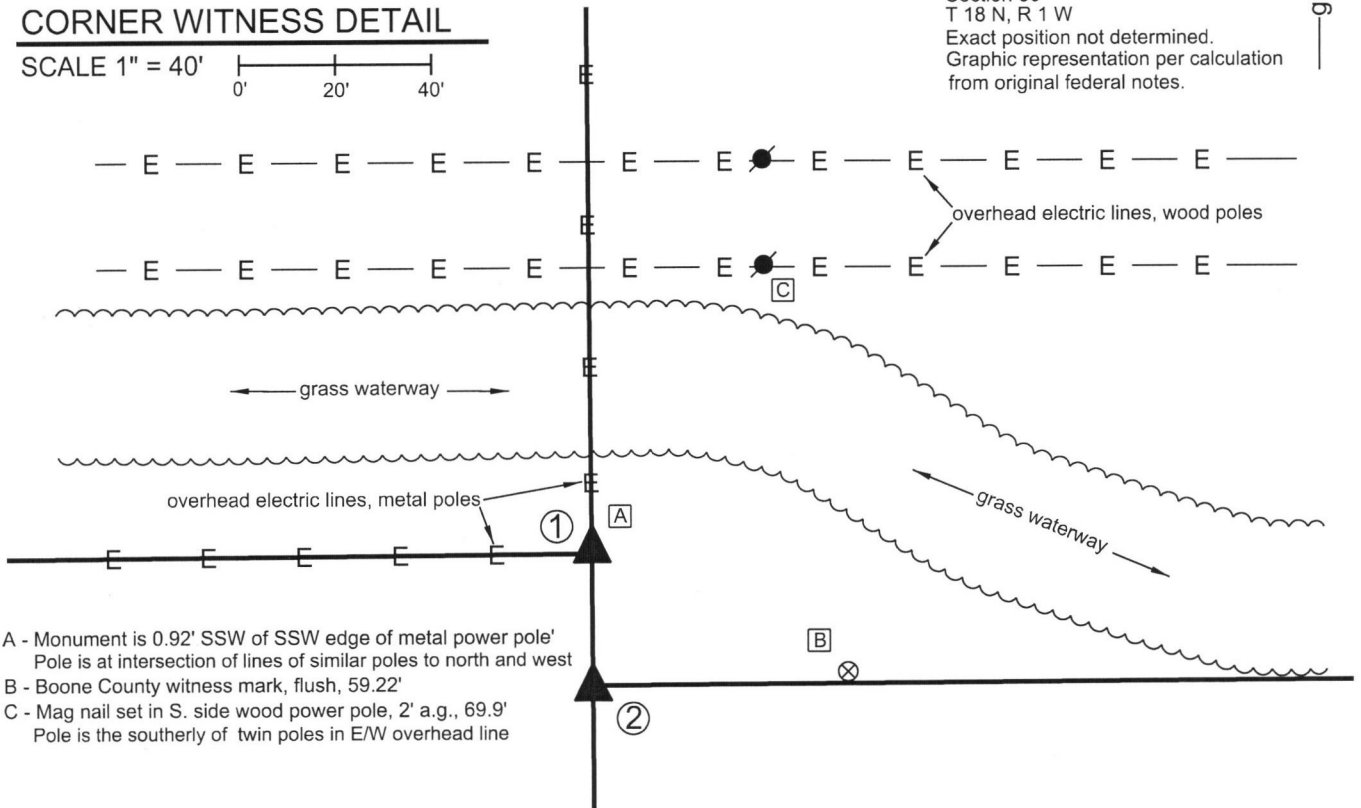
① East Quarter Corner  
Section 25  
T 18 N, R 2 W  
Harrison Monument Set

② West Quarter Corner  
Section 30  
T 18 N, R 1 W  
Exact position not determined.  
Graphic representation per calculation  
from original federal notes.



### CORNER WITNESS DETAIL

SCALE 1" = 40'



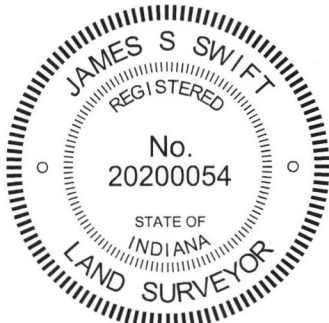
- A - Monument is 0.92' SSW of SSW edge of metal power pole'  
Pole is at intersection of lines of similar poles to north and west
- B - Boone County witness mark, flush, 59.22'
- C - Mag nail set in S. side wood power pole, 2' a.g., 69.9'  
Pole is the southerly of twin poles in E/W overhead line

The Harrison monument at Corner 1 was set in the same position as a wood corner post which has been removed. Corner 2 is not an original federal corner and the position of Corner 2 is not firmly established by this document.

With respect to Corner 1, a BCS record dated April 12, 1882 states "Set cor. Stone. Wit. Stone North 25 links, mark W. Wit. Stone N45W, 25 links, mark W." The stone called in the 1882 record was not searched for, nor were the two witness stones also called in that record. The immediate vicinity of the corner has been severely disturbed by the recent installation of a metal power pole. The area to the north of the corner, where the witness stones would be expected to be found, appears to have been excavated previously for purposes of the creation of an agricultural waterway.

The corner is shown as a wooden post on a survey by Frank T. Luse, dated December 7, 2013 and recorded as document 201300014151 in the Office of the Boone County Recorder. The position of the post as shown on the Luse survey was calculated with respect to the relative positions of other monuments shown on that survey. The Harrison monument was set at this calculated position. The monument falls very near a newly installed metal power pole. Uncertainties of up to 0.3 foot in all directions may be attributed to the calculation of the position of the post. It is noted that the stability of the monument may be affected by the large metal power pole in immediate proximity to the corner.

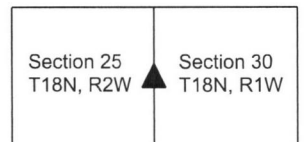
This corner was originally established as a wood post in 1819.



Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054  
October 3, 2017

Jackson Township



# SECTION CORNER RECORD

SW 500-500

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1718960.28 East: 3098397.15 (U.S. survey feet)

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

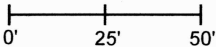
Depth: One inch below adjacent road surface

Indiana tie card references:

IN02\_T18NR1W30\_80 IN02\_T18NR1W29\_72

IN02\_T18NR1W31\_08 IN02\_T18NR1W32\_00

### CORNER WITNESS DETAIL

SCALE 1" = 50' 

- A - Boone County witness mark, flush, 43.2'
- B - Mag nail set in E. side power pole, 2' a.g., 113.3'
- C - Mag nail set in S. side power pole, 2' a.g., 76.7'
- D - S.W. Corner, Arrow Sign post, flush, 19.6'

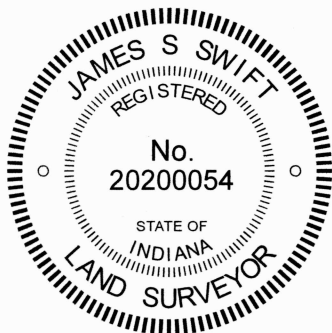
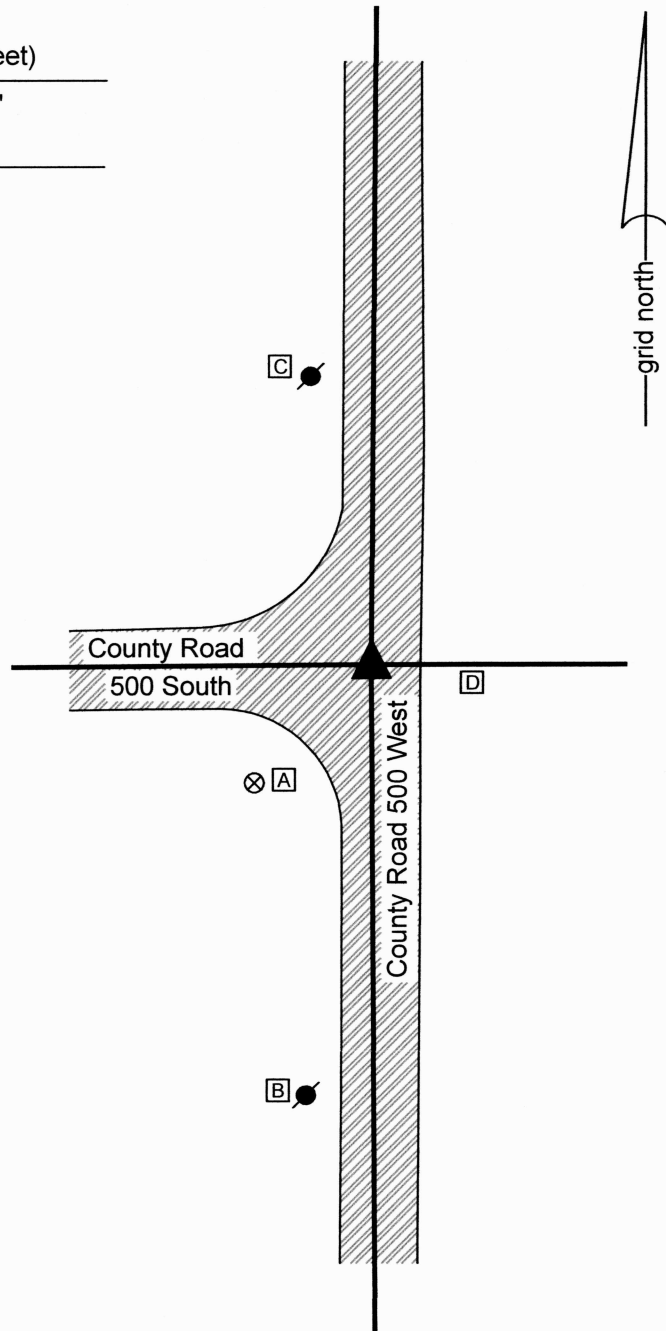
The Harrison monument was set over a stone found. A BCS record dated February 24, 1871 states, with respect to this corner, "Reestablished from roots of trees. Set two rocks. Under one 5-1/2.5.3-1/2. Top one 16.14.10 +."

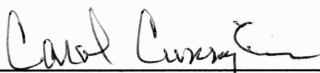
A BCS tie card dated July 9, 1968 states "No stone."

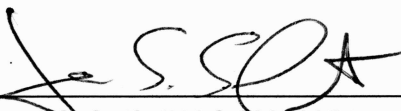
This corner was excavated on June 27, 2024. Previously, a Mag Nail had been found at the intersection of the two county roads, though this monument was not present at the time of excavation. Immediately prior to excavation, a 5/8-inch diameter rebar was found at 1 inch deep at the intersection. Excavation revealed a vertical section of railroad rail at 12 inches deep, slightly southwest of the rebar. Further excavation revealed a stone found at 16 inches deep. This stone was fully in the fill material of the road and much smaller than the stone called-for in the 1871 record. The stone was removed and another stone was found directly below, at 25 inches deep. This lower stone is the monument described in the 1871 record. The stone had a distinct "+" mark chiseled on the top, center. With 9 inches of the top of the stone exposed, the stone measured 8 inches N-S by 8 inches E-W. With use of a probe, we determined that the stone was 10 inches E-W by approximately 13 inches N-S by at least 16 inches tall. The stone was embedded in the clay layer below the road, vertical and oriented in cardinal directions. This stone was accepted as being the monument called-for in the 1871 record and was held as marking the corner. A Harrison monument was set directly over the '+' mark on the stone.

The nail which existed previously had been 1.4 feet south and 1.8 feet east of the mark on the stone. The rebar and rail, both removed during excavation, had been 1.2 feet south and 2.2 feet east (rebar) and 1.5 feet south and 2.1 feet east (rail). The rail is believed to have been set in association with the creation of the 1968 tie card. Clearly the reference to 'no stone' on that document was not correct.

This corner was originally established as a wood post in 1820.



  
 Carol Cunningham, County Surveyor

  
 James S. Swift, IN LS 20200054  
 July 3, 2024

Jackson Township

Section 30 T18N, R1W	Section 29 T18N, R1W
Section 31 T18N, R1W	Section 32 T18N, R1W

# SECTION CORNER RECORD

# SW 500-600

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1718964.41 East: 3093332.04 (U.S. survey feet)

Corner 2: North: 1718929.45 East: 3093331.99 (U.S. survey feet)

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

Depth: One inch below adjacent road or ground

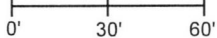
Indiana tie card references:

IN02\_T18NR2W25\_80 IN02\_T18NR1W30\_72

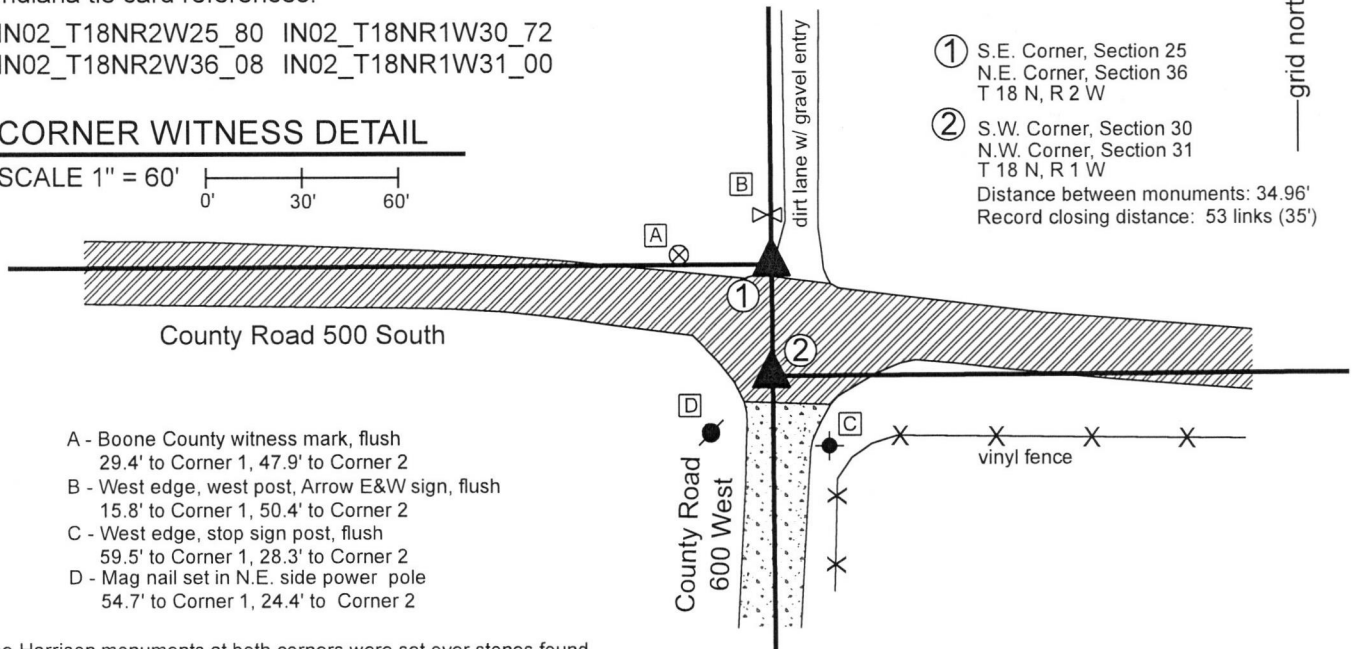
IN02\_T18NR2W36\_08 IN02\_T18NR1W31\_00

### CORNER WITNESS DETAIL

SCALE 1" = 60'



- ① S.E. Corner, Section 25  
N.E. Corner, Section 36  
T 18 N, R 2 W
  - ② S.W. Corner, Section 30  
N.W. Corner, Section 31  
T 18 N, R 1 W
- Distance between monuments: 34.96'  
Record closing distance: 53 links (35')



- A - Boone County witness mark, flush  
29.4' to Corner 1, 47.9' to Corner 2
- B - West edge, west post, Arrow E&W sign, flush  
15.8' to Corner 1, 50.4' to Corner 2
- C - West edge, stop sign post, flush  
59.5' to Corner 1, 28.3' to Corner 2
- D - Mag nail set in N.E. side power pole  
54.7' to Corner 1, 24.4' to Corner 2

The Harrison monuments at both corners were set over stones found.

A BCS record dated April 22, 1869 states, with respect to Corner 1, "Reest. Set two rocks. One 5.4.3 +. Top one 20.16.10 +." A BCS record dated December 12-13, 1876 states, with respect to Corner 2, Reestablished 53 links S. of Corner Secs. 25 + 36. Rock 15,12,4 + on E. side."

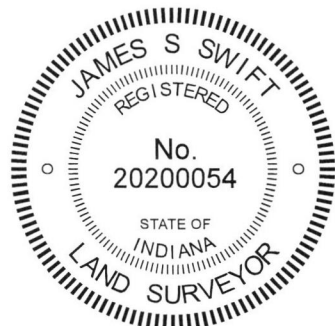
No recent BCS tie cards were found referencing this corner.

Excavation was performed at Corner 2 on August 29, 2018 and excavation was performed at Corner 1 on September 26, 2018.

Prior to excavation, vertical sections of 5/8 inch diameter rebars were found ostensibly marking each corner, separated by 35.2 feet, very close to the record closing distance of 53 links (34.98 feet). Excavation revealed the monuments described in the 1869 and 1876 records at the respective corners. The stone at Corner 1 was found at 12 inches deep, slightly north of the roadway, below the gravel entry for the farm lane to the north. This stone had a distinct etched + mark on the top center. The west side of the stone was exposed and found to be 21 inches tall and another stone was found situated below. The top of rock measured 11 inches N-S by 8 inches E-W and the stone appeared that it is yet larger in both dimensions further down the rock. For purposes of preserving the integrity of the edge of the drive while setting the monument the full N-S, E-W dimensions were not exposed and measured. The stone is clearly the top stone described in the 1869 record and was accepted as marking the corner. A Harrison monument was set over the etched + mark on the top of the rock.

Excavation at Corner 2 revealed the stone described in the 1876 record at 22 inches deep in the road. This stone is 53 links south of the stone at Corner 1, though that fact was only confirmed after the later excavation of Corner 1. The stone is of sandstone material which was breaking up as it was interacted with. No specific marks were found and it is noted that the top of the stone may have previously broken off, due to the soft sandstone material. The top 10 inches of the stone were exposed. At 10 inches below the top of the stone, it measured 12 inches N-S by 4 inches E-W matching two of the dimensions of described in the 1876 record. The stone was left in place and a Harrison monument was set over the top, high point of the stone. The rebars were both removed during excavation. The rebar near Corner 1 had been 3.1 feet south and 1.1 foot west of the mark on the stone. The rebar near Corner 2 had been 3.3 feet south and 0.8 foot west of the high point of the stone found at that corner. It is noted that the Harrison monument set over the stone at Corner 2 is 0.3 foot west of a straight line connecting Corner 1 and the standard corner 1/2 mile south (see Corner SW 550-600). Corner 1 was originally set in 1819 and Corner 2 was originally set in 1820.

Jackson Township



*Kenneth E. Hedge*  
Kenneth E. Hedge, County Surveyor

*James S. Swift*  
James S. Swift, IN LS 20200054  
October 1, 2018

