

SECTION CORNER RECORD

SW 000-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1745547.30 East: 3082530.02 (U.S. survey feet)

Corner 2: North: 1745547.23 East: 3082574.74 (U.S. survey feet)

Type of monuments: INDOT Type B monument

Depth: flush

Indiana tie card references:

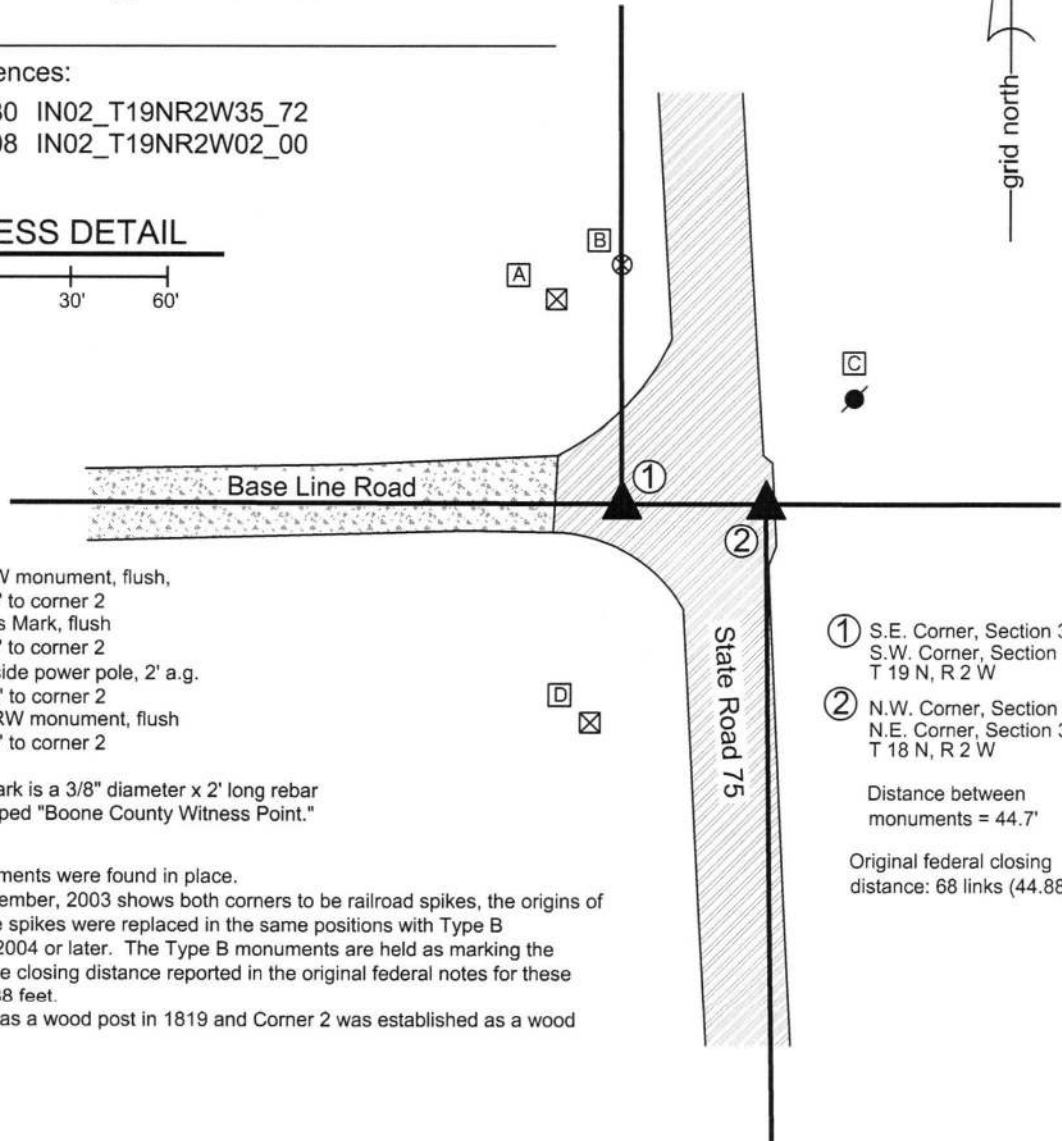
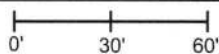
IN02_T19NR2W34_80 IN02_T19NR2W35_72

IN02_T18NR2W03_08 IN02_T19NR2W02_00



CORNER WITNESS DETAIL

SCALE 1" = 60'



- A - S.E. corner INDOT RW monument, flush,
62.8' to corner 1, 86.5' to corner 2
- B - Boone County Witness Mark, flush
74.3' to corner 1, 86.8' to corner 2
- C - Mag Nail set in S.W. side power pole, 2' a.g.
76.9' to corner 1, 40.3' to corner 2
- D - N.W. corner, INDOT RW monument, flush
65.5' to corner 1, 83.0' to corner 2

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

The INDOT Type B monuments were found in place.

A BCS tie card dated December, 2003 shows both corners to be railroad spikes, the origins of which are not known. The spikes were replaced in the same positions with Type B monuments by INDOT in 2004 or later. The Type B monuments are held as marking the corners. It is noted that the closing distance reported in the original federal notes for these corners is 68 links, or 44.88 feet.

Corner 1 was established as a wood post in 1819 and Corner 2 was established as a wood post in 1820.

- ① S.E. Corner, Section 34
S.W. Corner, Section 35
T 19 N, R 2 W
- ② N.W. Corner, Section 2
N.E. Corner, Section 3
T 18 N, R 2 W

Distance between monuments = 44.7'

Original federal closing distance: 68 links (44.88')



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 23, 2017

Jefferson Township

Section 34 T19N, R2W	Section 35 T19N, R2W
Section 3 T18N, R2W	Section 2 T18N, R2W

SECTION CORNER RECORD

SW 000-850

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1745549.01 East: 3079881.76 (U.S. survey feet)

Corner 2: North: 1745548.99 East: 3079913.40 (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_T19NR2W34_76 IN02_T18NR2W03_04

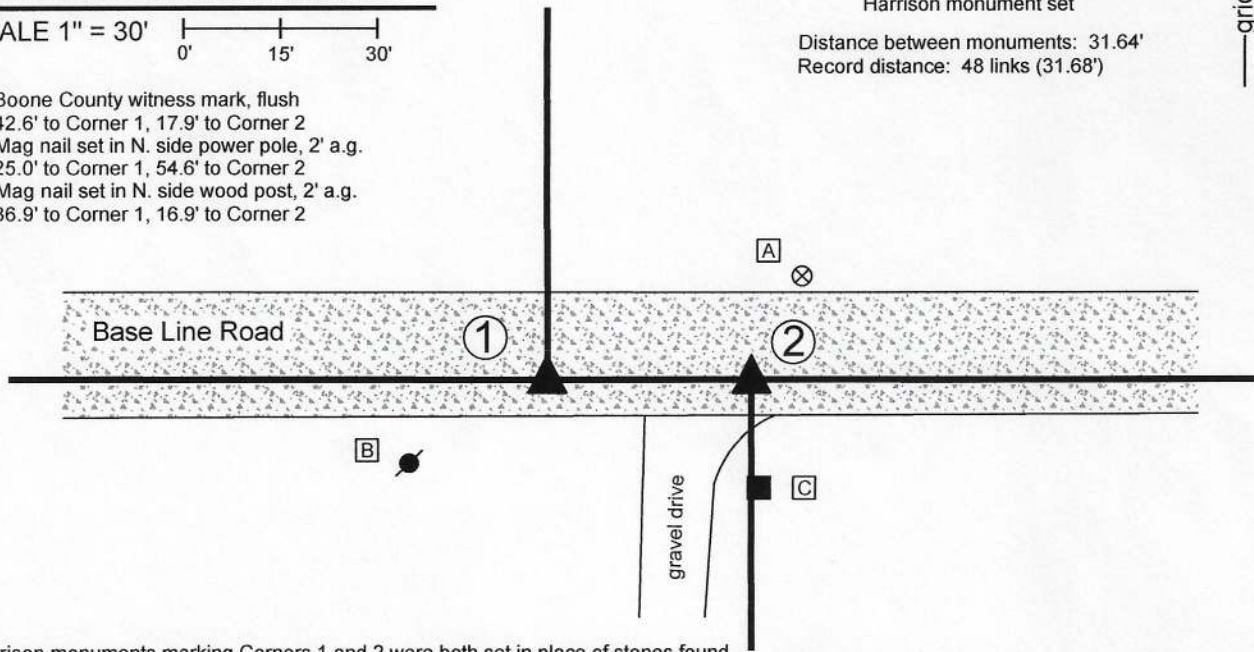
CORNER WITNESS DETAIL

SCALE 1" = 30'
0' 15' 30'

- A - Boone County witness mark, flush
42.6' to Corner 1, 17.9' to Corner 2
- B - Mag nail set in N. side power pole, 2' a.g.
25.0' to Corner 1, 54.6' to Corner 2
- C - Mag nail set in N. side wood post, 2' a.g.
36.9' to Corner 1, 16.9' to Corner 2

- ① South Quarter Corner
Section 34, T 19 N, R 2 W
Harrison monument set
- ② North Quarter Corner
Section 3, T 18 N, R 2 W
Harrison monument set

Distance between monuments: 31.64'
Record distance: 48 links (31.68')



The Harrison monuments marking Corners 1 and 2 were both set in place of stones found.

A BCS record of November 2-3, 1865, referencing Corner 1, states "Reestablished by measurement. Set Rock 14, 10, 6 marked + on N. side and an oak stake under it." A BCS record of November 3, 1865, referencing Corner 2, states "Est 48 links E. of quar. sec. cor. N. side of line. Set a rock 14,8,7 marked + on top. Walnut stake under it."

A BCS tie card dated October 16, 1969 shows both corners with the caption, "No stone - R/R Rail set."

These corners were excavated February 10, 2020 and again on June 5, 2020. In February, the railroad rails shown on the 1969 tie card were found but no other evidence was found. Due to winter road conditions, the area of excavation was kept limited. The rails were removed at that time and replaced with railroad spikes. Further, more extensive, excavation in June revealed both stones called for in the 1865 record. Both stones were found as described, in good condition, evidently undisturbed, at the recorded distance separation of 48 links. The stone at Corner 1 was found to be 14 inches tall by 10 inches E-W by 6 inches N-S with a distinct high point and an etched "+" mark on the north side. The stone at Corner 2 was found to be 14 inches tall by 8 inches N-S by 7 inches E-W with an etched "+" mark on the top. The rail shown on the 1969 tie card as marking Corner 1 had been 4.3 feet north and 6.2 feet west of the stone found marking that corner. The rail shown on the 1969 tie card as marking Corner 2 had been 3.3 feet north and 1.1 feet east of the stone found marking that corner. It is noted that the rails were substantially further apart than the average federal closing distance of 48 links and that the two rails also did not fall along a common east-west line with respect to other monuments. It is also noted that the found stones fall close to a straight line between the standard corners to the east and west. The rails were removed in February, 2020, the railroad spikes marking those positions were removed in June, 2020 and the stones were both removed and replaced with Harrison monuments in June, 2020.

Corner 1 was originally established as a wood post in 1819. Corner 2 is not an original federal corner.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
June 17, 2020

Jefferson Township

Section 34
T19N, R2W

Section 3
T18N, R2W

SECTION CORNER RECORD

SW 000-900

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1745551.17 East: 3077233.44 (U.S. survey feet)

Corner 2: North: 1745551.16 East: 3077250.84 (U.S. survey feet)

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

Depth: Six inches below adjacent road surface

Indiana tie card references:

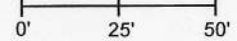
IN02_T19NR2W34_72 IN02_T19NR2W33_80

IN02_T18NR2W04_08 IN02_T18NR2W03_00

- A - Boone County witness mark, flush, 23.7' to Corner 1, 17.0' to Corner 2
- B - Boone County witness mark, flush, 31.5' to Corner 1, 47.0' to Corner 2
- C - Mag nail set in N. side pwp, 2' a.g., 125.3' to Corner 1, 142.7' to Corner 2
- D - Mag nail set in N. side pwp, 2' a.g., 127.8' to Corner 1, 110.8' to Corner 2

CORNER WITNESS DETAIL

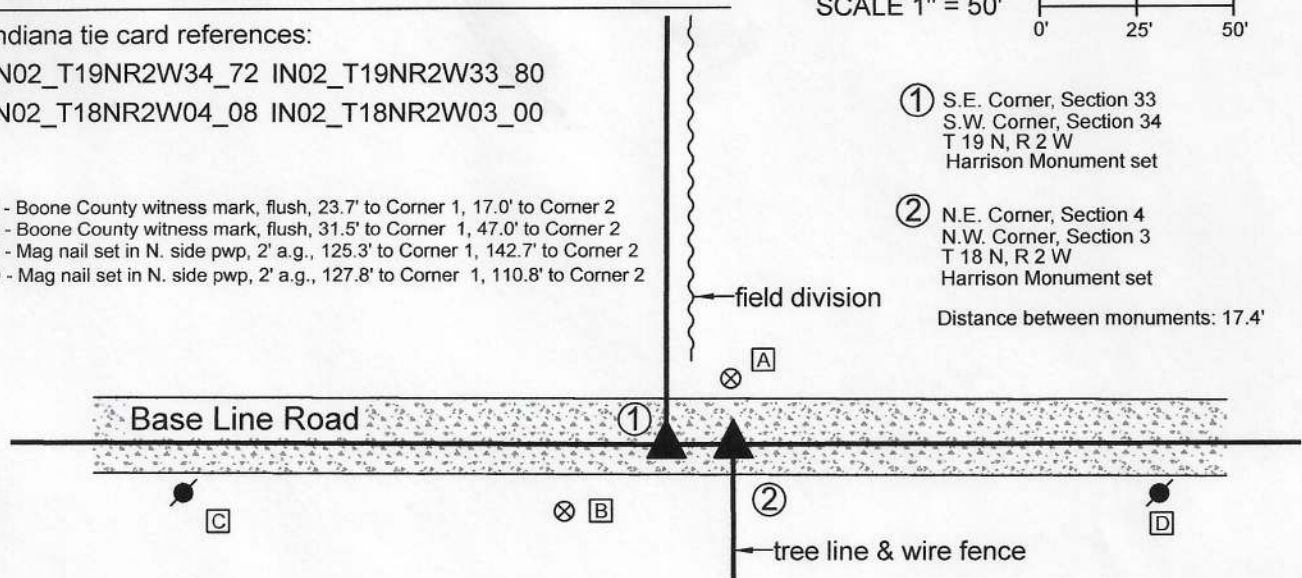
SCALE 1" = 50'



① S.E. Corner, Section 33
S.W. Corner, Section 34
T 19 N, R 2 W
Harrison Monument set

② N.E. Corner, Section 4
N.W. Corner, Section 3
T 18 N, R 2 W
Harrison Monument set

Distance between monuments: 17.4'



The Harrison Monument at Corner 1 was set in place of a stone found.

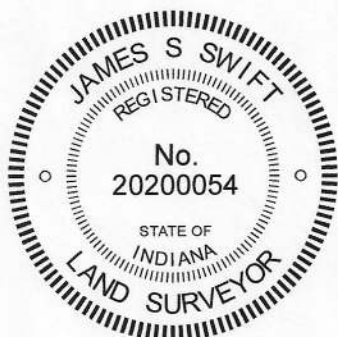
A BCS Record dated November 2-3, 1865 states, with respect to Corner 1, "Reestablished from trees. Set a Rock 20.13.3 + and an oak stake under it.

A BCS record dated October 22 and November 2, 1869 states, with respect to Corner 2, "Reest. from trees. Set a rock 9.7.4 1/2. Oak stake under it."

A BCS tie card dated August 30, 1968 states, with respect to Corner 1, "(No stone)." A BCS tie card dated October 16, 1969 states, with respect to Corner 2, "(No stone) Set RRR."

This set of corners was excavated on January 14, 2020. Prior to excavation, a 5/8 inch diameter rebar was found providing evidence of Corner 2. No metal survey monument was found providing evidence of Corner 1. It is noted that the original federal closing distance at these corners was 28 links, or 18.5 feet. The found rebar fit reasonably well with local evidence of Corner 2, in the form of the center of the east-west road and the northerly prolongation of a fence to the south. A position 28 links west of the rebar fit approximately with the southerly prolongation of a fence existing from 1/4 to 1/2 mile north, but was well west of the north-south field division on the north side of the county road. Excavation at the estimated position of Corner 1 revealed a stone found at 11 inches deep. The stone was vertical and oriented in cardinal directions, measuring 18 inches tall by 9 inches north-south by 8 inches E-W, but did not match the description of the stone in the 1865 record. The stone was embedded in the clay layer below the road bed and clearly appeared to have been set to mark the corner. Excavation in the vicinity of the 5/8 inch rebar revealed the a stone found at 15 inches, clearly leaning toward the east. As stood up, the stone measured 12 inches tall by 9 inches N-S by 4 1/2 inches E-W. The stones were in similar positions in the north-south dimension, being slightly south of the apparent center of the roadway, and were separated by 17.4 feet in the east-west dimension, approximately 1 foot less than the reported federal offset of 18 links. Although the BCS tie cards for both corners call for railroad rails, no such monuments were found. Evidence of disturbance of the road bed and clay layer below the road bed indicate that the rail at Corner 2 may have been approximately 2 feet north of the stone found at that corner. The rebar, removed during excavation, had been 2.9 feet north of the top, center of the stone. The stones were accepted as the best available evidence of the respective corners. Both stones were removed. A Harrison monument was set in place of the top, center of the stone found marking Corner 1 on January 14, 2020. A Harrison monument was set at Corner 2, on the township line, 17.4 feet east of Corner 1, on June 22, 2020. This position agrees with the east-west position of the stone found at Corner 2, as stood up, and is close to the south edge of that stone, as originally found.

Corner 1 was originally established as a wood post in 1819. Corner 2 was originally established as a wood post in 1820.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
June 30, 2020

Jefferson Township

Section 33 T19N, R2W	Section 34 T19N, R2W
Section 4 T18N, R2W	Section 3 T18N, R2W

SECTION CORNER RECORD

SW 050-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1742686.89 East: 3082609.03 (U.S. survey feet)

Type of monument: INDOT Type B Monument

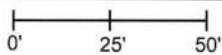
Depth: Flush with adjacent road surface

Indiana tie card references:

IN02_T18NR2W03_36 IN02_T18NR2W02_44

CORNER WITNESS DETAIL

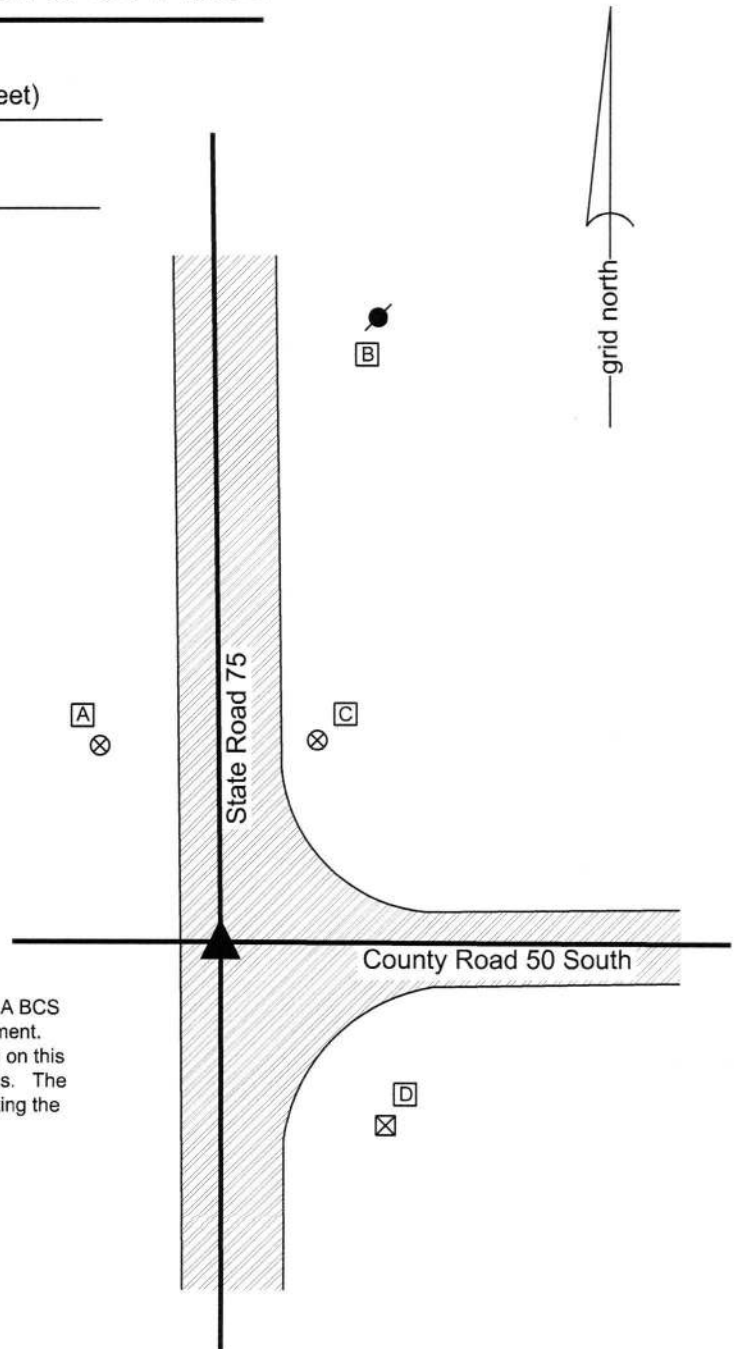
SCALE 1" = 50'



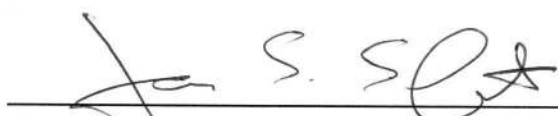
- A - Boone County witness mark, flush, 59.8'
- B - Mag nail set in S.W. side power pole, 2' a.g., 165.4'
- C - Boone County witness mark, flush, 57.8'
- D - N.W. edge concrete INDOT R/W monument, flush, 60.5'

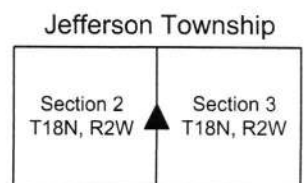
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The INDOT Type B monument was found in place. A BCS tie card dated June 20, 1982 shows the corner to be a PK Nail. A BCS tie card dated December, 2003 shows the corner to be a Type C monument. This monument is believed to be the same monument found and shown on this document, being a Type B, not Type C, monument per INDOT standards. The origin of the monument is not known. The monument was held as marking the corner. This corner was originally established as a wood post in 1820.




Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054
March 23, 2017



SECTION CORNER RECORD

SW 050-900

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1742664.68 East: 3077255.55 (U.S. survey feet)

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

Depth: One inch above adjacent grade

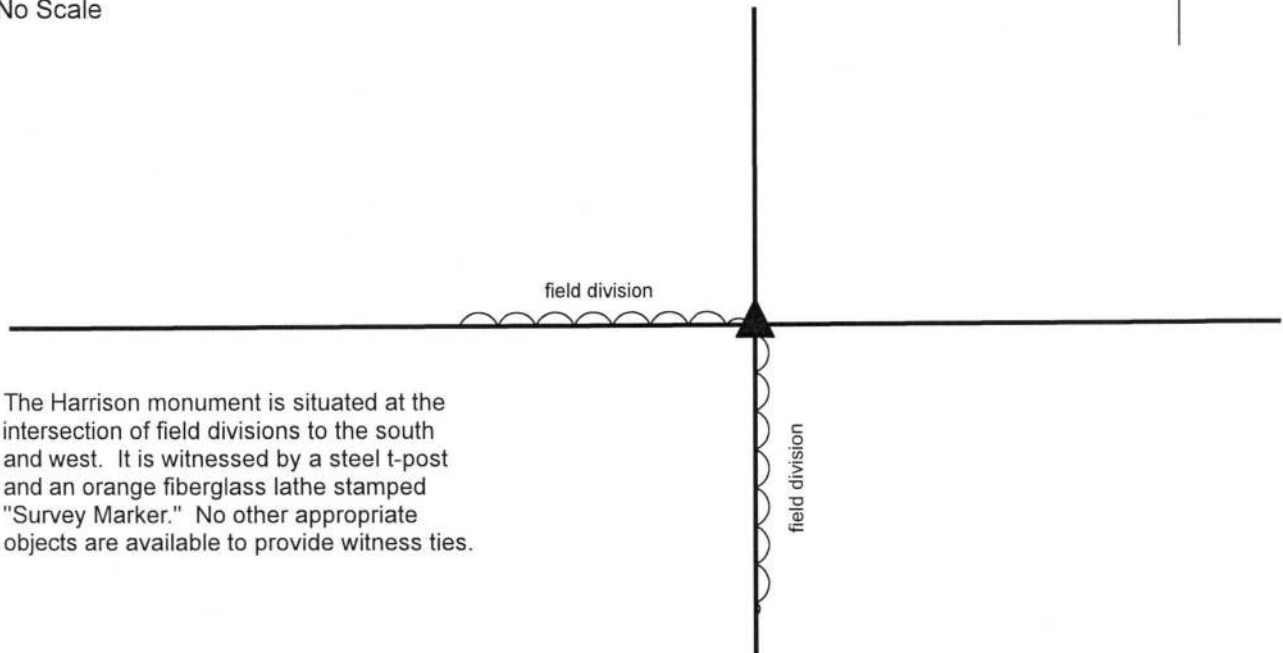
Indiana tie card references:

IN02_T18NR2W04_44 IN02_T18NR2W03_36



CORNER WITNESS DETAIL

No Scale



The Harrison monument is situated at the intersection of field divisions to the south and west. It is witnessed by a steel t-post and an orange fiberglass lathe stamped "Survey Marker." No other appropriate objects are available to provide witness ties.

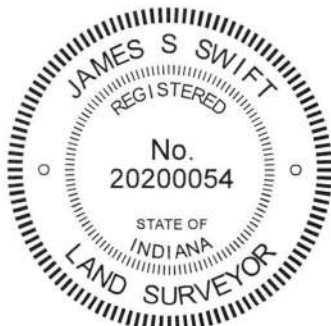
The Harrison monument was set in place of two stones found.

A BCS record dated October 22 and November 2, 1869 states, with respect to this corner. "Reest. from trees. Set two rocks. One 6, 4, 3 1/2 +. Top one (very rough) 12, 11, 5 +." No recent BCS tie cards were found referencing this corner. A survey by James Reese Harpel recorded in Survey Book 4, page 40 in the Office of the Boone County Recorder shows the corner as an 8"x8" wood post.

This corner was excavated on October 17, 2018. Prior to excavation, the approximate position of the wood post was calculated from data shown on the Harpel survey. At the time of excavation, the wood post was no longer visible but a steel t-post was observed at the intersection of field divisions to the south and west. A 5/8 inch rebar was found near the base of the steel post. Both were close to the calculated position of the wood post. Excavation revealed both of the record stones found slightly east of the rebar and t-post. The top stone was found at 6 inches deep. The stone matched the dimensions of 12x11x5 inches described in the 1869 record and had a distinct etched "+" mark on the west side. The stone was not vertical as found and appeared to have been slightly disturbed from its original position. Further excavation revealed the record lower stone at 15 inches deep, approximately below the upper stone. This stone did not appear to be disturbed. It was oriented north-south, measuring 8 inches N-S by 4 1/2 inches E-W by 3 1/2 inches thick. A distinct "+" mark was visible on the top, center of the stone. The lower stone was held as marking the corner. Both stones were removed during excavation and a Harrison monument was set in the position of the mark on the lower stone.

The rebar, removed during excavation, had been 0.2 foot north and 2.2 feet west of the mark on the lower stone.

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



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

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

November 7, 2018

Jefferson Township

Section 4 T18N, R2W	Section 3 T18N, R2W
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SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

SW 100-800

State Plane grid coordinates NAD83 (2011):

North: 1740044.50 East: 3082616.91 (U.S. survey feet)

Type of monument: INDOT type B monument

Depth: flush with adjacent road surface

Indiana tie card references:

IN02_T18NR2W03_80 IN02_T18NR2W02_72

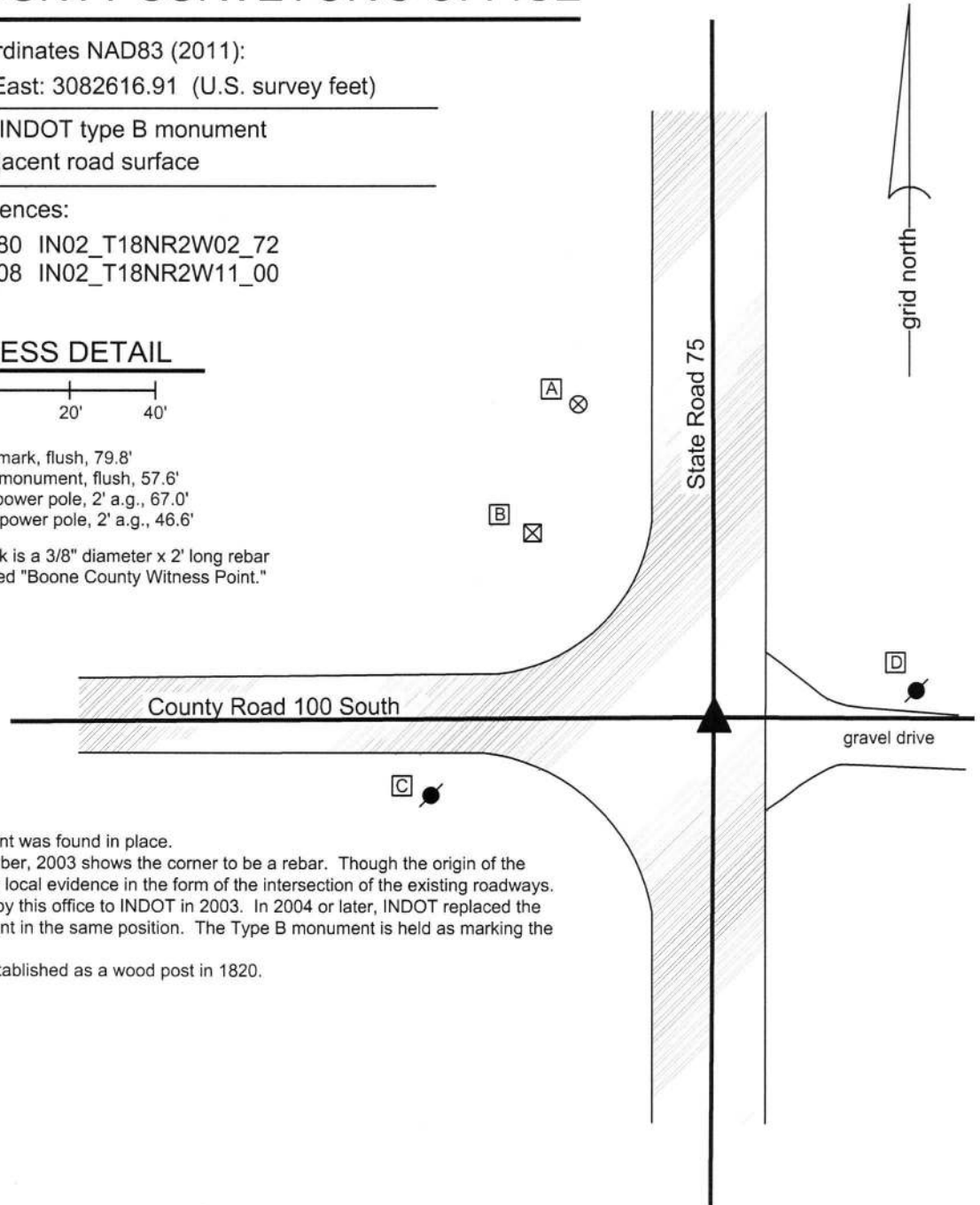
IN02_T18NR2W10_08 IN02_T18NR2W11_00

CORNER WITNESS DETAIL

SCALE 1" = 40'

- A - Boone County witness mark, flush, 79.8'
- B - SE corner, INDOT RW monument, flush, 57.6'
- C - Mag nail set in E. side power pole, 2' a.g., 67.0'
- D - Mag nail set in W. side power pole, 2' a.g., 46.6'

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



The INDOT Type B monument was found in place. A BCS tie card dated December, 2003 shows the corner to be a rebar. Though the origin of the rebar is not known, it fits with local evidence in the form of the intersection of the existing roadways. This tie card was presented by this office to INDOT in 2003. In 2004 or later, INDOT replaced the rebar with a Type B monument in the same position. The Type B monument is held as marking the corner. This corner was originally established as a wood post in 1820.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 23, 2017

Jefferson Township

Section 3 T18N, R2W	Section 2 T18N, R2W
Section 10 T18N, R2W	Section 11 T18N, R2W

SECTION CORNER RECORD

SW 100-850

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1740025.04 East: 3079921.87 (U.S. survey feet)

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

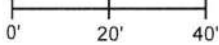
Depth: One inch below adjacent road surface

Indiana tie card references:

IN02_T18NR2W03_76 IN02_T18NR2W10_04

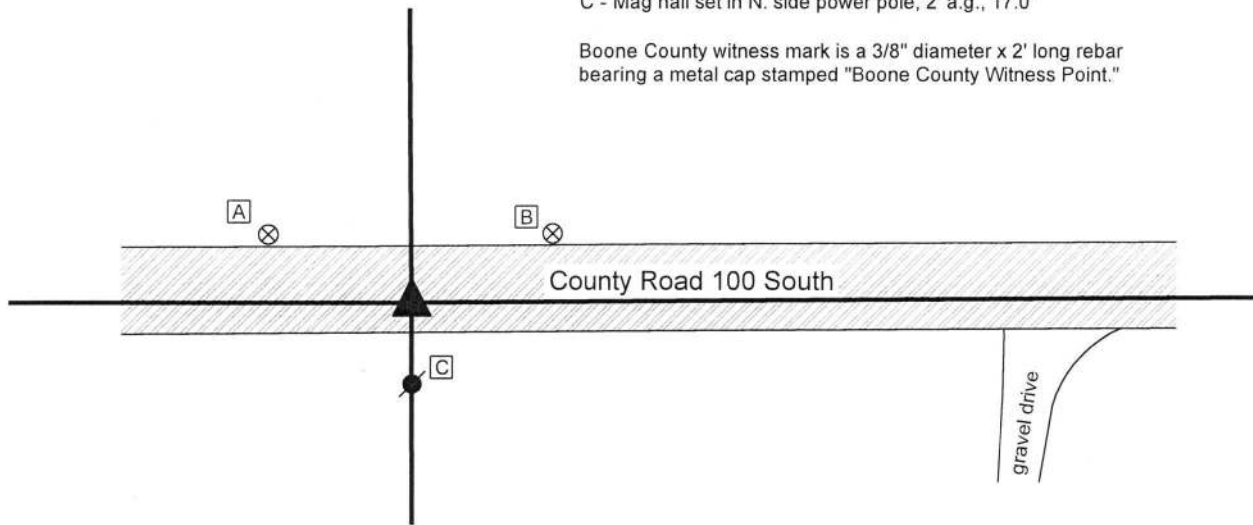
CORNER WITNESS DETAIL

SCALE 1" = 40'



- A - Boone County witness mark, flush, 32.9'
- B - Boone County witness mark, flush 32.7'
- C - Mag nail set in N. side power pole, 2' a.g., 17.0'

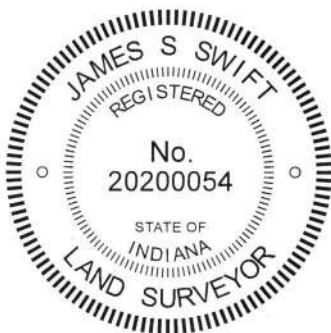
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."



The Harrison monument was set over a stone found.

A BCS record of October 30, 1871 states, with respect to this corner, "Reest. from stps of Beech B. Tree. Set Rock 16.10.10 marked +." This record is interpreted to indicate that the corner position was established from the stump of a beech tree which was known to be a bearing tree. A BCS tie card dated October 17, 1969 states, with respect to this corner, "No stone. RRR Set."

Excavation was performed at this corner on July 26, 2019. Prior to excavation, a 1/2 inch diameter rebar was found near the surface of the road. Excavation revealed a railroad rail found at 6 inches deep. It was apparent that the rebar had been driven along the north edge of the center of the vertical rail. Further excavation revealed the stone described in the 1871 record found at 10 inches deep, south and east of the rebar and rail. The stone is 16 inches tall, as measured along the north side, by 10 inches E-W by 10 inches N-S. No specific marks were detected on the stone, though it appeared that the top of the stone had been previously scraped by road grading equipment, possibly obliterating an etched mark. The stone was vertical and embedded in the clay layer below the road. The stone was accepted as being the same monument set in 1871 and was held as marking the corner. The stone was left in place, the top 7 inches of the stone were encased in concrete and a Harrison monument was set directly over the top, center of the stone. The rebar and rail, both removed during excavation, had been 1.2 foot north and 1.5 foot west of the top, center of the stone. It is noted that the distances from this corner to the corners to the east and west, respectively, are not equal, with the distance to the corner to the east being approximately 26.5 feet longer than the distance to the corner to the west. This imbalance matches closely with the distances reported in the 1871 record for the south line of section 3. This corner was originally established as a wood post in 1820.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

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

August 28, 2019

Jefferson Township

Section 3
T18N, R2W

Section 10
T18N, R2W

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

SW 100-900

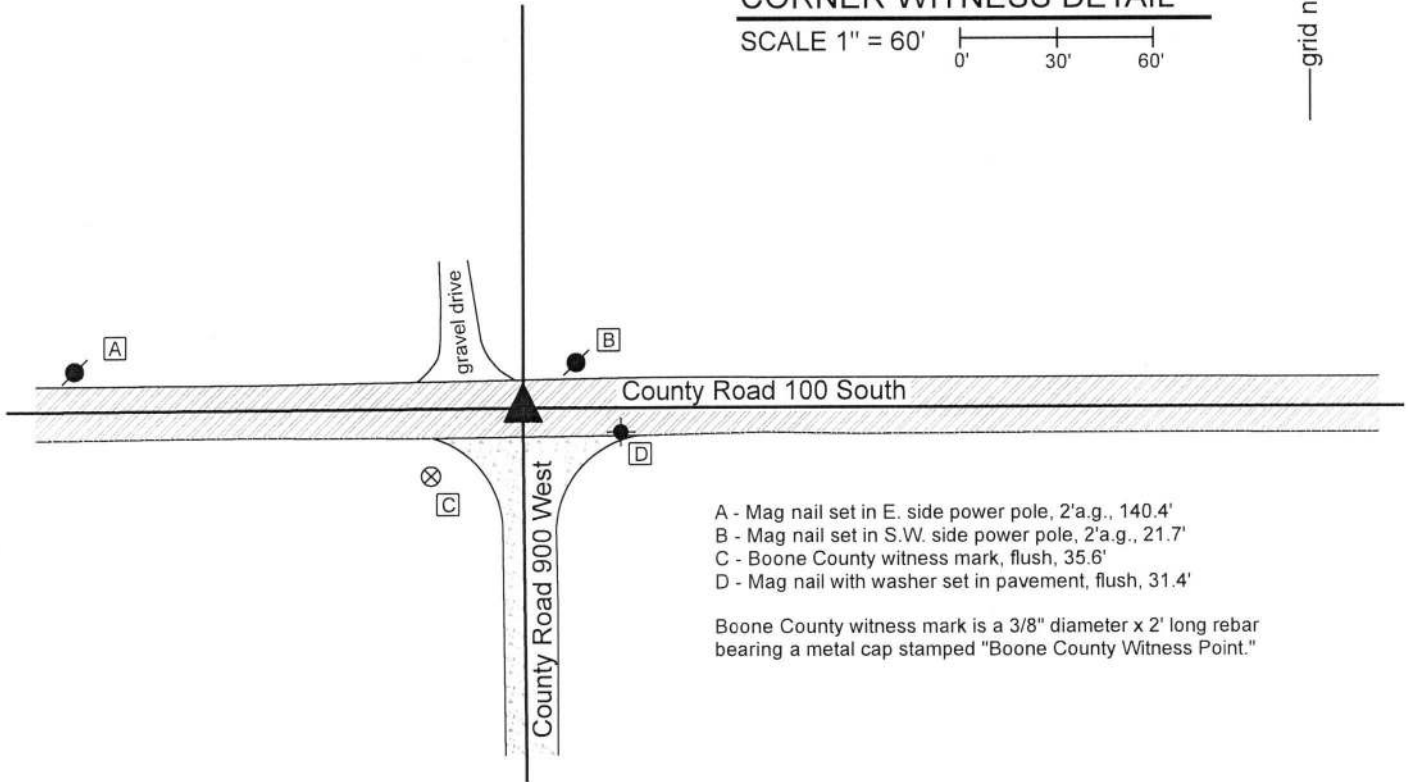
State Plane grid coordinates NAD83 (2011):
 North: 1740024.08 East: 3077253.36 (U.S. survey feet)

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

Indiana tie card references:
 IN02_T18NR2W04_80 IN02_T18NR2W03_72
 IN02_T18NR2W09_08 IN02_T18NR2W10_00

CORNER WITNESS DETAIL

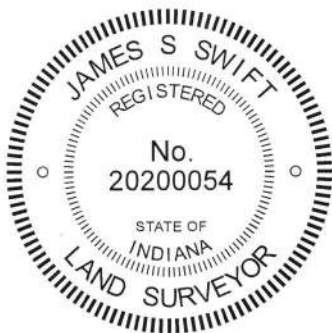
SCALE 1" = 60'



- A - Mag nail set in E. side power pole, 2'a.g., 140.4'
- B - Mag nail set in S.W. side power pole, 2'a.g., 21.7'
- C - Boone County witness mark, flush, 35.6'
- D - Mag nail with washer set in pavement, flush, 31.4'

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 in place of a vertical section of railroad rail found. A BCS record dated October 30, 1871 states, with respect to this corner, "There was a rock at corner. (from Ash stp.)" A BCS tie card dated October 17, 1969 calls the corner "Stone Located. RRR set." This corner was excavated on July 31, 2019. Prior to excavation, a mag nail was found at the surface at the approximate intersection of the two county roads. Excavation revealed a vertical section of railroad rail directly below the mag nail. The rail was removed and further excavation did not reveal any further evidence of the corner. The bottom of the road bed was found at 14 inches deep. It is believed that the stone found in 1969 was removed and replaced in the same position with the rail. This is known to have been a common practice of BCS crews from that era. The position of the nail and rail was held as marking the corner and a Harrison monument was set in the same position as those monuments. This corner was originally established as a wood post in 1820.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 August 28, 2018

Jefferson Township

Section 4 T18N, R2W	Section 3 T18N, R2W
Section 9 T18N, R2W	Section 10 T18N, R2W