

SECTION CORNER RECORD

NW 800-500

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1787883.84 East: 3098276.56 (U.S. survey feet)

Type of monument: etched "+" on top of stone

Depth: One inch above adjacent ground


Indiana tie card references:

IN02_T20NR1W19_80 IN02_T20NR1W20_72

IN02_T20NR1W30_08 IN02_T20NR1W29_00

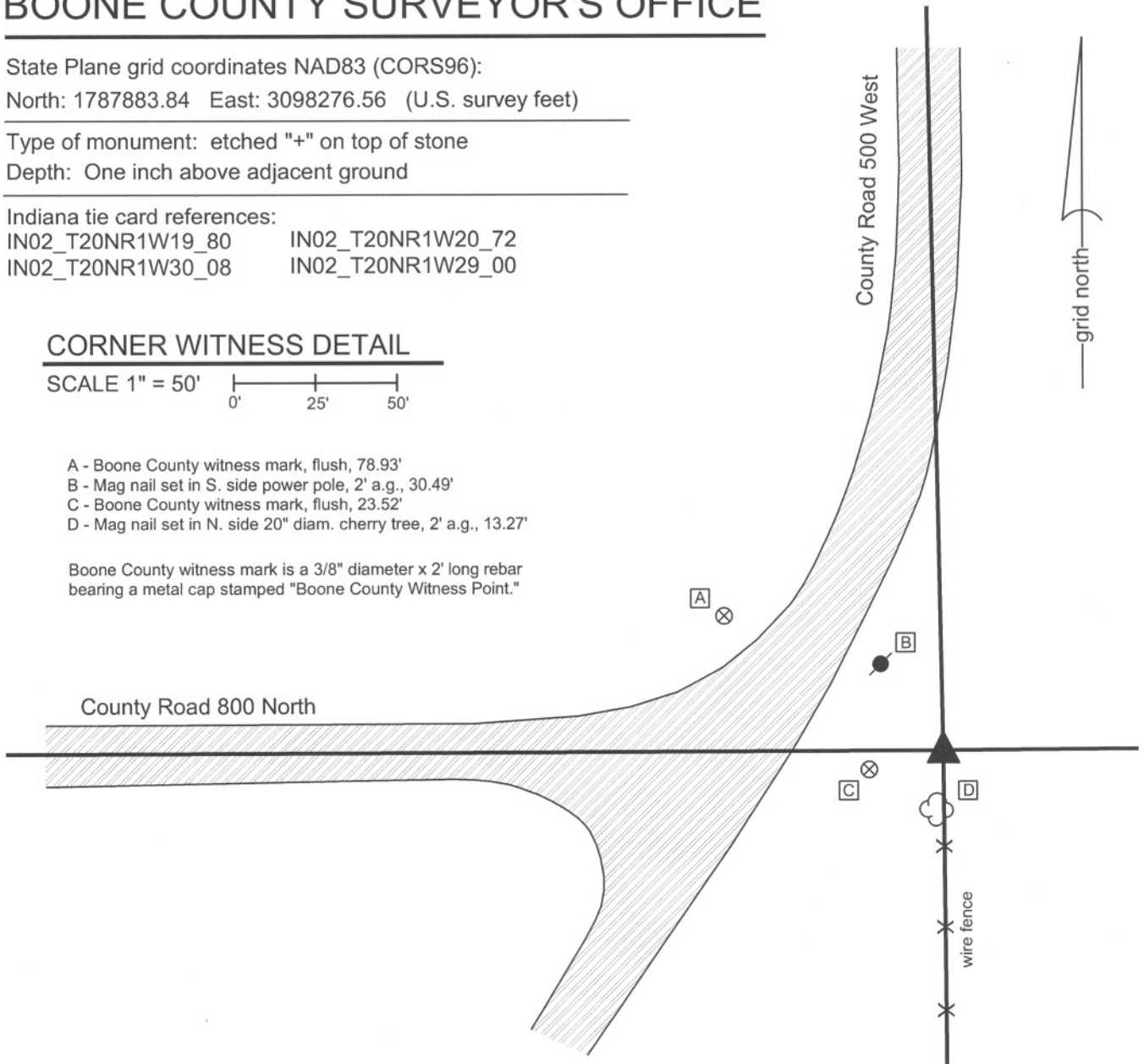
CORNER WITNESS DETAIL

SCALE 1" = 50'



- A - Boone County witness mark, flush, 78.93'
- B - Mag nail set in S. side power pole, 2' a.g., 30.49'
- C - Boone County witness mark, flush, 23.52'
- D - Mag nail set in N. side 20" diam. cherry tree, 2' a.g., 13.27'

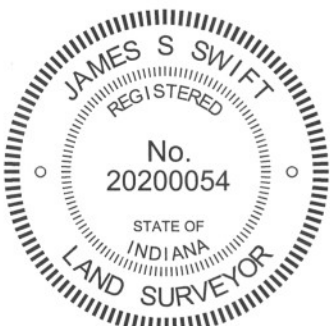
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."



The stone was found in place.

The corner is shown as present but not described on a BCS record of July 6, 1832. A BCS record of March 2, 1863 states "One bearing tree green: Stone at corner recognized by previous surveys and by the persons interested." A BCS tie card dated November 8, 1967 states "exposed stone with + beside corner post did not replace."

The stone is situated at the northwest corner of a wood end post. The post is the northerly terminus of an old fence to the south. The stone is at the easterly extension of the county road to the west and the southerly extension of the county road to the north and fits well with surrounding corners. The stone was accepted as marking the corner and was left in place as found.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 30, 2012

Washington Township

Section 19 T20N, R1W	Section 20 T20N, R1W
Section 30 T20N, R1W	Section 29 T20N, R1W

PHOTOGRAPHIC DOCUMENTATION

Date of photography: May 5, 2010

The stone at the base of the post. View from the west.



View of the stone from above.



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

SECTION CORNER RECORD

NW 800-550

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):
North: 1787876.26 East: 3095633.64 (U.S. survey feet)

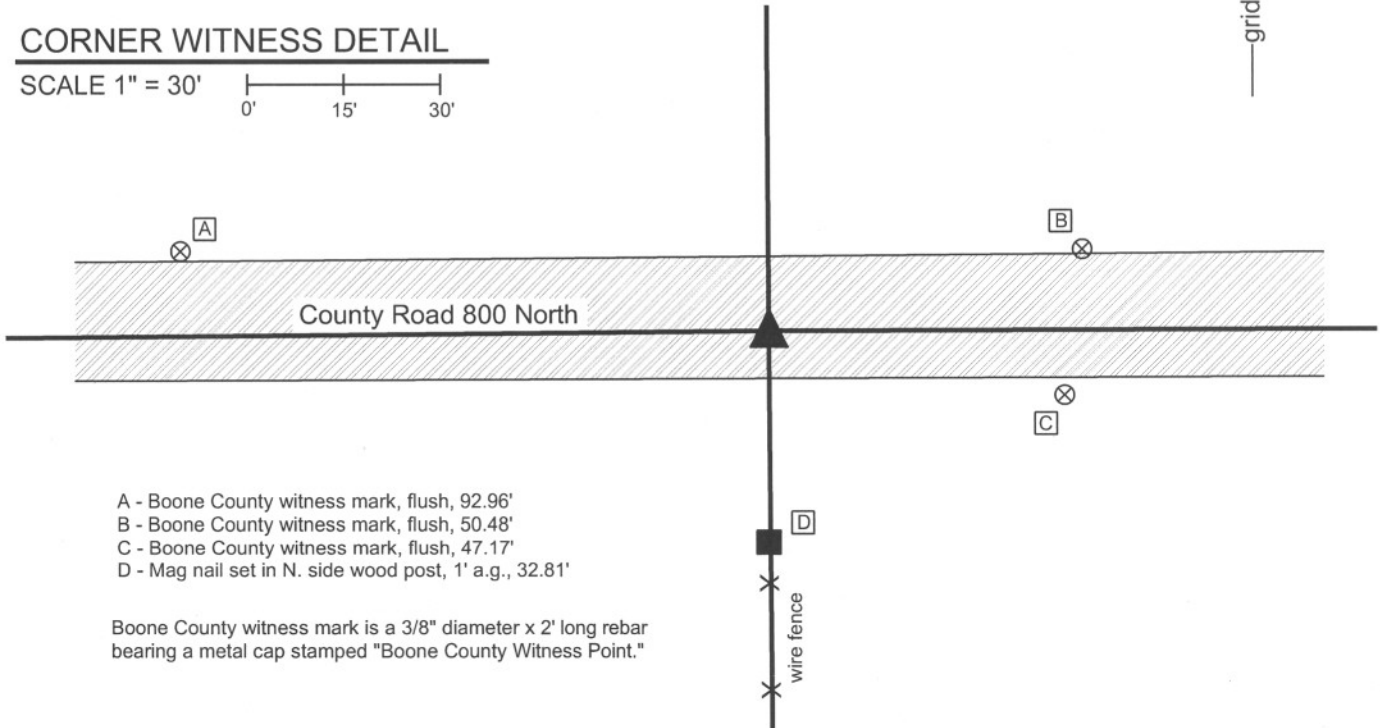
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: One inch below adjacent road surface

Indiana tie card references:
IN02_T20NR1W19_76
IN02_T20NR1W30_04



CORNER WITNESS DETAIL

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



- A - Boone County witness mark, flush, 92.96'
- B - Boone County witness mark, flush, 50.48'
- C - Boone County witness mark, flush, 47.17'
- D - Mag nail set in N. side wood post, 1' a.g., 32.81'

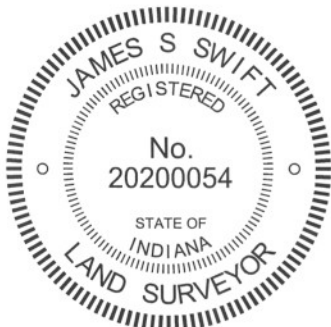
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set in place of a PK nail found.

A BCS record of April 24-25, 1857 states "Set Rock 10x12." A BCS tie card dated November 8, 1967 states "no stone."

This corner was excavated on May 20, 2010. Prior to excavation a PK nail was visible at the surface. Excavation revealed numerous medium sized rocks in fill material. None of the rocks appeared to have been purposely set as corner markers. They did not have the characteristics associated with most found corner stones of being oriented in cardinal directions and embedded in the clay layer below the road and, in some cases, being vertical. The rocks were haphazard in their orientation and were contained entirely within the fill material of the road. These rocks were not held as marking the corner. The stone described in the 1857 record was not found. An area extending 4 feet north, 2 feet south, 2.5 feet east and 2.5 feet west was excavated to the clay layer below the road, being at approximately 3 feet deep. The northwest edge of the excavation area contained a mixture of clay, dirt and fill material, which may be associated with the existing drain pipe to the east. The remainder of the hole contained a more uniform fill material which included the rocks discussed above. No other evidence was found.

The source of the P.K. nail is not known. It fits with the local evidence, being in the east-west road at the northerly extension of an old fence to the south. It is slightly south of the center of the road but well within the roadway. It generally fits with the 1967 tie card, which shows the corner at the midpoint between end posts on each side of the road, approximately in the center of the road at the extension on fences to the north and south. The nail was held as marking the corner and replaced with a harrison monument in the same position.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 30, 2012

Washington Township

Section 19
T20N, R1W

Section 30
T20N, R1W

SECTION CORNER RECORD

NW 800-600

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1787926.96 East: 3093096.37 (U.S. survey feet)

Corner 2: North: 1787863.30 East: 3093096.53 (U.S. survey feet)

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

Depth: Flush with adjacent ground

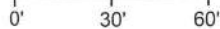
Indiana tie card references:

IN02_T20NR2W24_80 IN02_T20NR1W19_72

IN02_T20NR2W25_08 IN02_T20NR1W30_00

CORNER WITNESS DETAIL

SCALE 1" = 60'



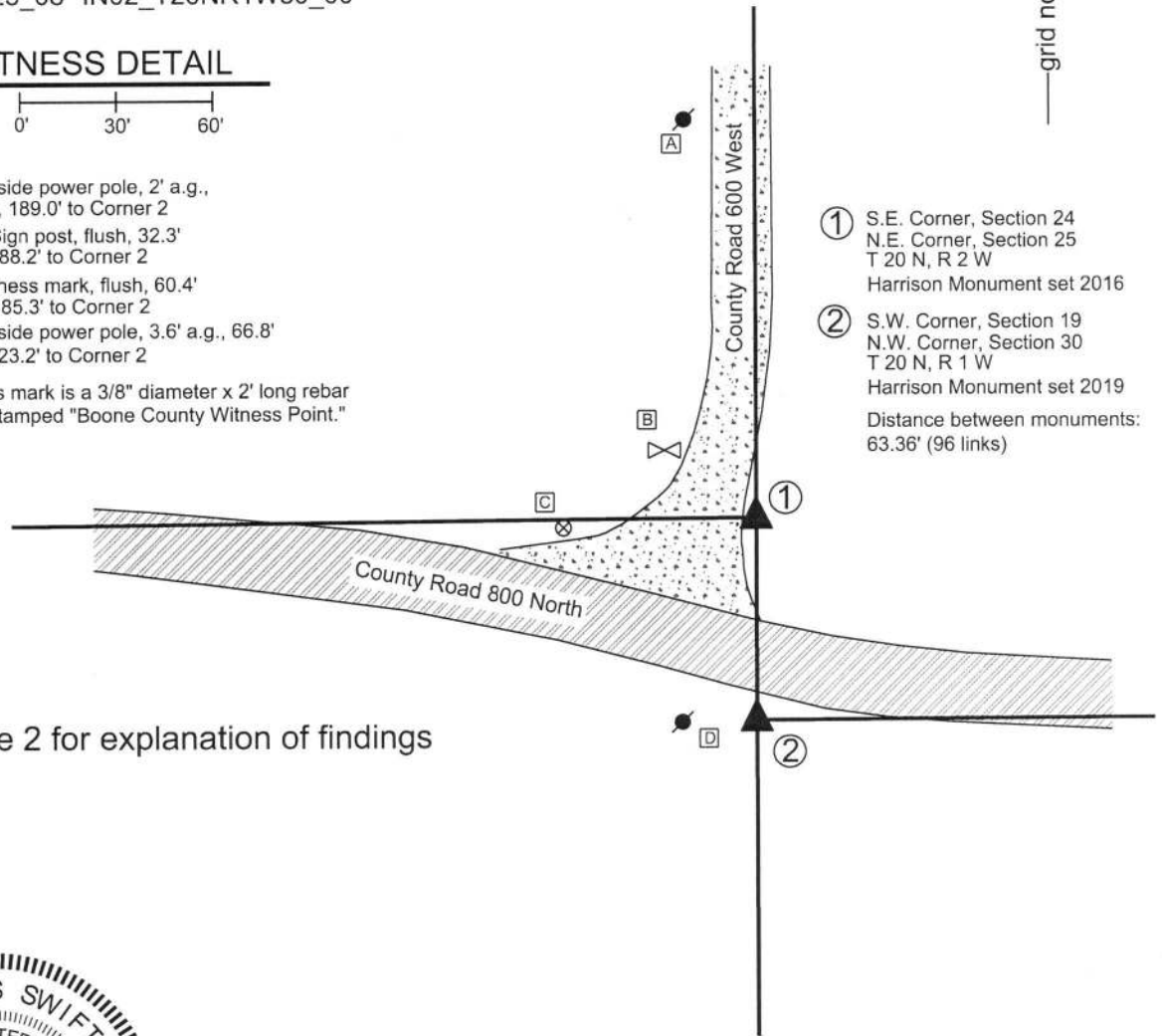
A - Mag nail set in E. side power pole, 2' a.g.,
126.2' to Corner 1, 189.0' to Corner 2

B - East Edge, Stop Sign post, flush, 32.3'
32.3' to Corner 1, 88.2' to Corner 2

C - Boone County witness mark, flush, 60.4'
60.4' to Corner 1, 85.3' to Corner 2

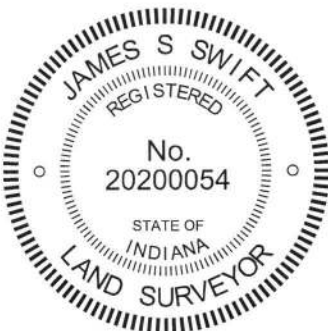
D - Mag nail set in N. side power pole, 3.6' a.g., 66.8'
66.8' to Corner 1, 23.2' to Corner 2

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



- ① S.E. Corner, Section 24
N.E. Corner, Section 25
T 20 N, R 2 W
Harrison Monument set 2016
 - ② S.W. Corner, Section 19
N.W. Corner, Section 30
T 20 N, R 1 W
Harrison Monument set 2019
- Distance between monuments:
63.36' (96 links)

See page 2 for explanation of findings



Sugar Creek Township Washington Township

Section 24 T20N, R2W	Section 19 T20N, R1W
Section 25 T20N, R2W	Section 30 T20N, R1W

Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

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

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NW 800-600

The Harrison monument at Corner 1 was set over a stone found.

A BCS record dated March 28-29, 1907 states, with respect to Corner 1, "Reestablished by locating 'A' sec. 30 R 1 W, and measuring lap. Set 2 rocks. Lower one 4-5-6 +. Top one 6-8-10 +." This statement is interpreted to indicate that the location of Corner 2 (Cor. A, sec. 30) was known and that Corner 1 (SE corner section 24 & NE corner section 25, R2W) was established at the record federal offset from the known corner. It is noted that the closing offset at this corner is 96 links south, equating to 63.36 feet. No modern BCS tie cards were found referencing this corner.

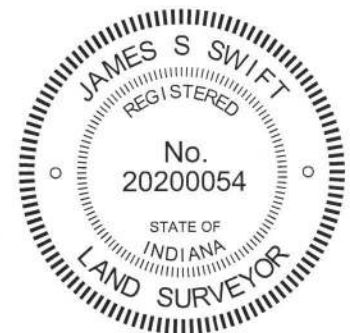
Excavation was performed at Corner 1 on April 13, 2016. Prior to excavation, a 5/8 inch diameter rebar with no cap was found ostensibly marking Corner 1 (sections 24 & 25) and a 5/8 inch diameter rebar with a yellow cap was found in the general vicinity of Corner 2 (sections 19 & 30), 59.2 feet south of the uncapped rebar. The source of these monuments is not known. Analysis of the relative positions the approximate centers of County Road 800 North to the east and west of the intersection, with respect to the closing distance of 96 links, indicated that the original positions of the corners were likely further north than the respective positions of the found monuments.

Excavation was performed exclusively at Corner 1, as Corner 2 falls at the edge of an existing drainage ditch on the south side of County Road 800 North. Excavation at Corner 1 revealed two stones found approximately 8 feet north and 5 feet east of the existing rebar ostensibly marking Corner 1. The top stone was found at 14 inches deep. The stone was found to be approximately 11 inches N-S by 8 inches E-W by 5 inches tall with a distinct "+" mark etched on the top. The stone was removed and another stone was found below. The lower stone measured approximately 7 inches N-S by 6 inches E-W. This stone also had a distinct "+" mark etched on the top. The height of the lower stone was not measured, as it was left in place, generally undisturbed at 20 inches deep. The two stones were found to match the record dimensions stated in the 1907 record within reasonable tolerance. With the similar measurements and the distinct, etched marks on both rocks, they were accepted being the monuments described in the 1907 record and were held as marking the corner. It is noted that these rocks were found to be significantly closer to the position for the corner as estimated prior to excavation than was the found rebar. The top stone was removed and the lower stone was left in place, undisturbed. A Harrison monument was set directly over the mark on the lower stone. Three rebars of 3/8 inch diameter by 20 inches in length were driven at slightly off vertical around the lower stone to provide for stability of the concrete base in which the Harrison monument was set. The precise position of the corner is 8.3 feet north and 5.1 feet east of the rebar found prior to, and removed during, excavation. This document was originally published on February 20, 2017 showing only the position of Corner 1 and stating that the position of Corner 2 would be determined after the adjacent corners to the north and south are established.

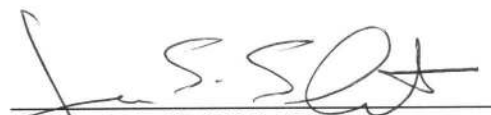
Having perpetuated the positions of the Corners to the north and south, Corner 2 was established in April, 2019. Per the original federal notes and the BCS record of 1907, Corner 2 was established at 96 links, or 63.36 feet, south of Corner 1, along the range line as defined by the corners to the south (see BCS Corners NW 700-600 and NW 750-600).

It is noted that a survey by Cary B. Dodge, LS #S0288, recorded in Survey Book 1, pages 11-12 and a survey by Jerry L. Carter, LS #S0350, recorded in Survey Book 11, page 64, both in the Recorder's Office of Boone County, show both corners as being 5/8 inch rebars. The rebar shown as being Corner 1 is believed to be the same rebar as discussed above, found to be 8 feet south and 5 feet west of the stone set in 1907. Notably, the Dodge and Carter surveys show Corner 2 to be at 54 feet south of Corner 1, rather than 63.36 feet. Hence, holding the stone set in 1907 and holding the record closing distance, the position of Corner 2 is believed to be within approximately one foot north-south of the position held by Dodge and Carter, but approximately 5 feet east. The rebar shown on the two surveys was not found. The rebar with yellow cap found near Corner 2 was left in place, 5.2 feet west and 4.4 feet south of the Harrison monument set at Corner 2. This is not believed to be the same monument as shown on the Dodge and Carter Surveys.

Corner 1 was originally established as a wood post in 1819. Corner 2 was originally established as a wood post in 1829.




Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054

PHOTOGRAPHIC DOCUMENTATION

Date of photography: April 13, 2016

The upper stone as it was originally exposed.



The upper stone fully exposed, showing the etched "+" mark on the stone.



The lower stone exposed, showing the etched "+" mark on the stone.



View from the south, showing the area of excavation. Brandon Miller, Miller Excavating, is inspecting the upper stone as found.



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

PHOTOGRAPHIC DOCUMENTATION

Date of photography: April 13, 2016

The upper stone as it was originally exposed.



The upper stone fully exposed, showing the etched "+" mark on the stone.



The lower stone exposed, showing the etched "+" mark on the stone.



View from the south, showing the area of excavation. Brandon Miller, Miller Excavating, is inspecting the upper stone as found.



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

SECTION CORNER RECORD

NW 850-500

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1790536.86 East: 3098225.83 (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_T20NR1W19_44

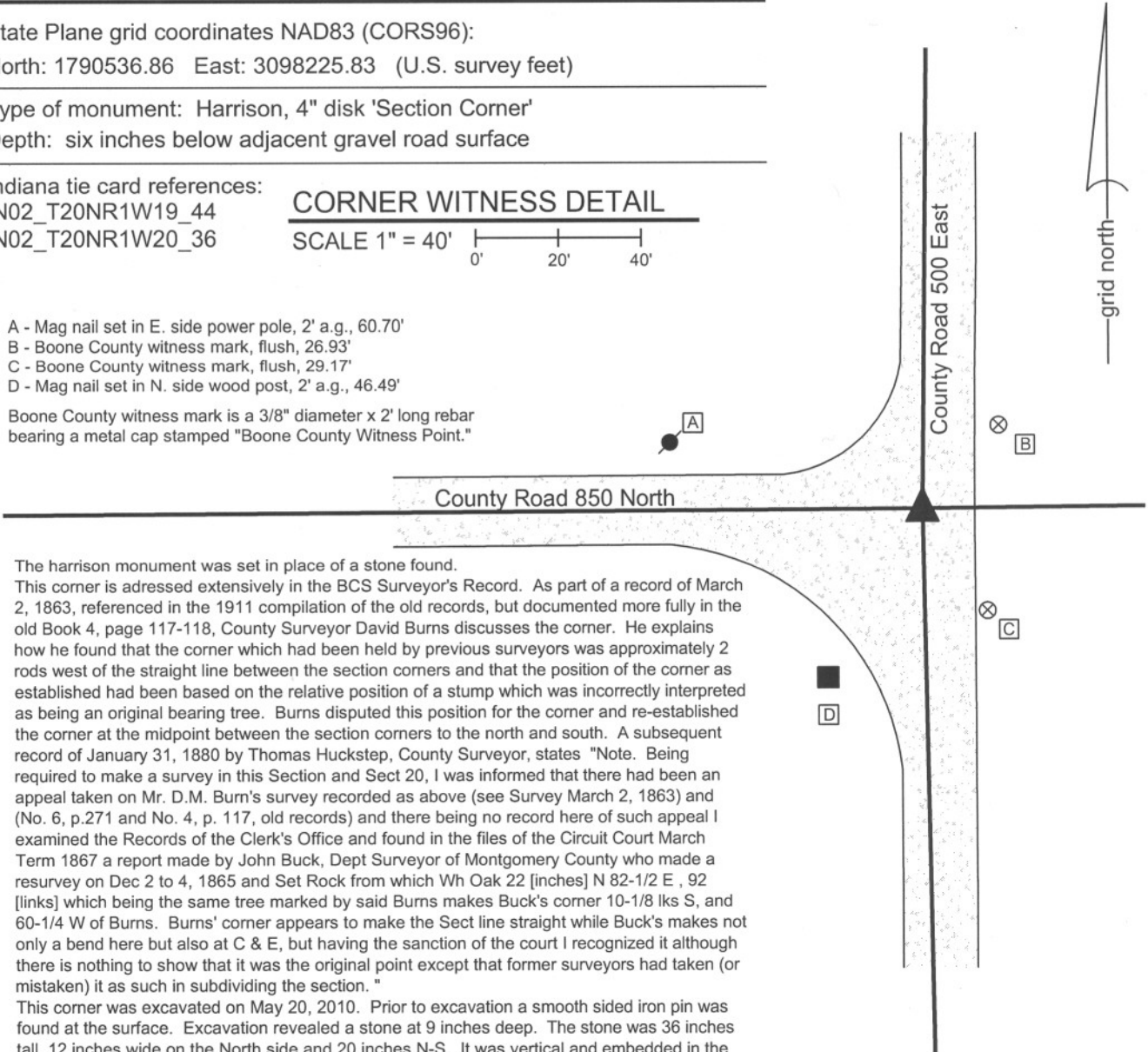
IN02_T20NR1W20_36

CORNER WITNESS DETAIL

SCALE 1" = 40' 

- A - Mag nail set in E. side power pole, 2' a.g., 60.70'
- B - Boone County witness mark, flush, 26.93'
- C - Boone County witness mark, flush, 29.17'
- D - Mag nail set in N. side wood post, 2' a.g., 46.49'

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.

This corner is addressed extensively in the BCS Surveyor's Record. As part of a record of March 2, 1863, referenced in the 1911 compilation of the old records, but documented more fully in the old Book 4, page 117-118, County Surveyor David Burns discusses the corner. He explains how he found that the corner which had been held by previous surveyors was approximately 2 rods west of the straight line between the section corners and that the position of the corner as established had been based on the relative position of a stump which was incorrectly interpreted as being an original bearing tree. Burns disputed this position for the corner and re-established the corner at the midpoint between the section corners to the north and south. A subsequent record of January 31, 1880 by Thomas Huckstep, County Surveyor, states "Note. Being required to make a survey in this Section and Sect 20, I was informed that there had been an appeal taken on Mr. D.M. Burn's survey recorded as above (see Survey March 2, 1863) and (No. 6, p.271 and No. 4, p. 117, old records) and there being no record here of such appeal I examined the Records of the Clerk's Office and found in the files of the Circuit Court March Term 1867 a report made by John Buck, Dept Surveyor of Montgomery County who made a resurvey on Dec 2 to 4, 1865 and Set Rock from which Wh Oak 22 [inches] N 82-1/2 E, 92 [links] which being the same tree marked by said Burns makes Buck's corner 10-1/8 lks S, and 60-1/4 W of Burns. Burns' corner appears to make the Sect line straight while Buck's makes not only a bend here but also at C & E, but having the sanction of the court I recognized it although there is nothing to show that it was the original point except that former surveyors had taken (or mistaken) it as such in subdividing the section."

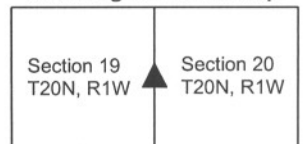
This corner was excavated on May 20, 2010. Prior to excavation a smooth sided iron pin was found at the surface. Excavation revealed a stone at 9 inches deep. The stone was 36 inches tall, 12 inches wide on the North side and 20 inches N-S. It was vertical and embedded in the clay layer below the road, protruding 4 inches into the base of the road bed. The stone had a distinct high point which was held as marking the corner. This position is approximately 6 feet south and 40 feet west of the midpoint of the line connecting the section corners to the north and south, which fits with Huckstep's description of the position of the corner established by Buck and recognized by the court. The stone was held as marking the corner. It was removed and a Harrison monument was set in the position of the distinct high point. The iron pin, removed during excavation, had been along the northeast edge of the stone, being specifically 1 foot east and 0.6 foot north of the high point of the stone.




 Kenneth E. Hedge, County Surveyor


 James S. Swift, IN LS 20200054
 March 30, 2012

Washington Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: May 20, 2010

View of the stone as first exposed.
View from the west.



View of the stone more fully exposed.
View from the north.



View from the north, looking across the stone
and south along County Road 500 West.



View of the flat, vertical north side of the stone
fully exposed.



The stone after being removed from the road bed.
The top of the stone is closest to the camera and
the flat (north) side is against the road.



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

SECTION CORNER RECORD

NW 850-600

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1790560.68 East: 3093089.44 (U.S. survey feet)

Corner 2: North: 1790520.89 East: 3093089.55 (U.S. survey feet)

Corner 1: 5/8" rebar with metal cap stamped 'Boone County Surveyor,' flush

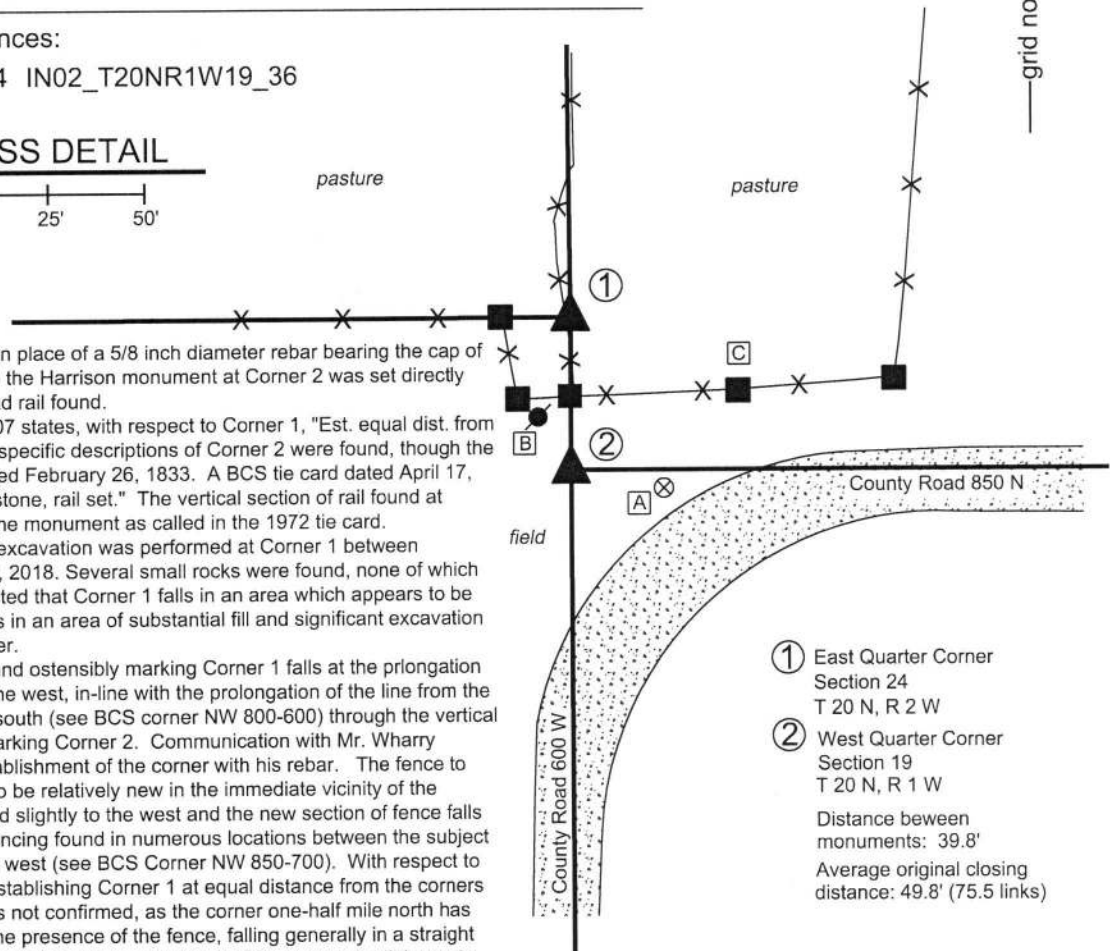
Corner 2: Harrison 4" disk, 'Section Corner,' flush

Indiana tie card references:

IN02_T20NR2W24_44 IN02_T20NR1W19_36

CORNER WITNESS DETAIL

SCALE 1" = 50'



The rebar at Corner 1 was set in place of a 5/8 inch diameter rebar bearing the cap of Ronald Wharry, LS S0420, and the Harrison monument at Corner 2 was set directly over a vertical section of railroad rail found.

A BCS record of March 2-9 1907 states, with respect to Corner 1, "Est. equal dist. from C-E, set rock 10-12-10 +." No specific descriptions of Corner 2 were found, though the corner is shown in a ledger dated February 26, 1833. A BCS tie card dated April 17, 1972 shows the corner as "no stone, rail set." The vertical section of rail found at Corner 2 appears to be the same monument as called in the 1972 tie card.

Substantial probing and minor excavation was performed at Corner 1 between December 3 and December 12, 2018. Several small rocks were found, none of which match the 1907 record. It is noted that Corner 1 falls in an area which appears to be prone to erosion. Corner 2 falls in an area of substantial fill and significant excavation was not performed at this corner.

It is observed that the rebar found ostensibly marking Corner 1 falls at the prolongation of a well established fence to the west, in-line with the prolongation of the line from the corner approximately 1/2 mile south (see BCS corner NW 800-600) through the vertical section of railroad rail found marking Corner 2. Communication with Mr. Wharry confirmed this intent in the establishment of the corner with his rebar. The fence to the west of Corner 1 appears to be relatively new in the immediate vicinity of the corner but older posts are found slightly to the west and the new section of fence falls generally in-line with ancient fencing found in numerous locations between the subject corner and the corner one mile west (see BCS Corner NW 850-700). With respect to the call in the 1907 record of establishing Corner 1 at equal distance from the corners to the north and south, this was not confirmed, as the corner one-half mile north has not been firmly established. The presence of the fence, falling generally in a straight line for one mile east-west is accepted as superior local evidence to potential remote evidence with respect to adjoining section corners. It is noted that the north-south fence in the immediate vicinity of Corner 1 does not fall precisely along the section line. This is not considered an uncertainty, as the same property owner owns the ground either side of the fence and fencing is relatively new and appears to have been established for purposes of separating livestock rather than purposes of occupation and possession.

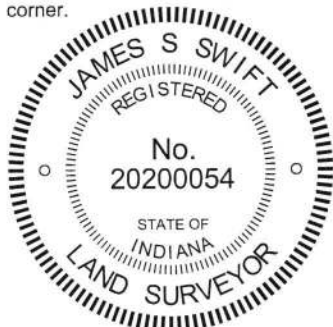
It is observed that the distance between the two monuments set herein is 10 feet less than the computed average of the closing offsets reported in the original federal notes for the corners to the north and south. No explanation is offered for this discrepancy. Corner 1 was originally set as a wood post in 1819. Corner 2 is not an original federal corner.

- ① East Quarter Corner Section 24 T 20 N, R 2 W
- ② West Quarter Corner Section 19 T 20 N, R 1 W

Distance between monuments: 39.8'
Average original closing distance: 49.8' (75.5 links)

- wire fence

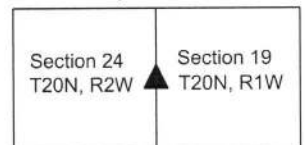
- A - Boone County witness mark, flush, 50.7' to Corner 1, 24.5' to Corner 2
- B - Mag nail set in SE. side pwp, 2'a.g., 27.4' to Corner 1, 16.2' to Corner 2
- C - Mag nail set in S. fence post, 2'a.g., 48.3' to Corner 1, 48.9' to Corner 2



Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
January 30, 2019

Sugar Creek Township Washington Township



SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NW 900-500

State Plane grid coordinates NAD83 (CORS96):

North: 1793202.81 East: 3098255.23 (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_T20NR1W18_80 IN02_T20NR1W17_72

IN02_T20NR1W19_08 IN02_T20NR1W20_00

CORNER WITNESS DETAIL

SCALE 1" = 30'

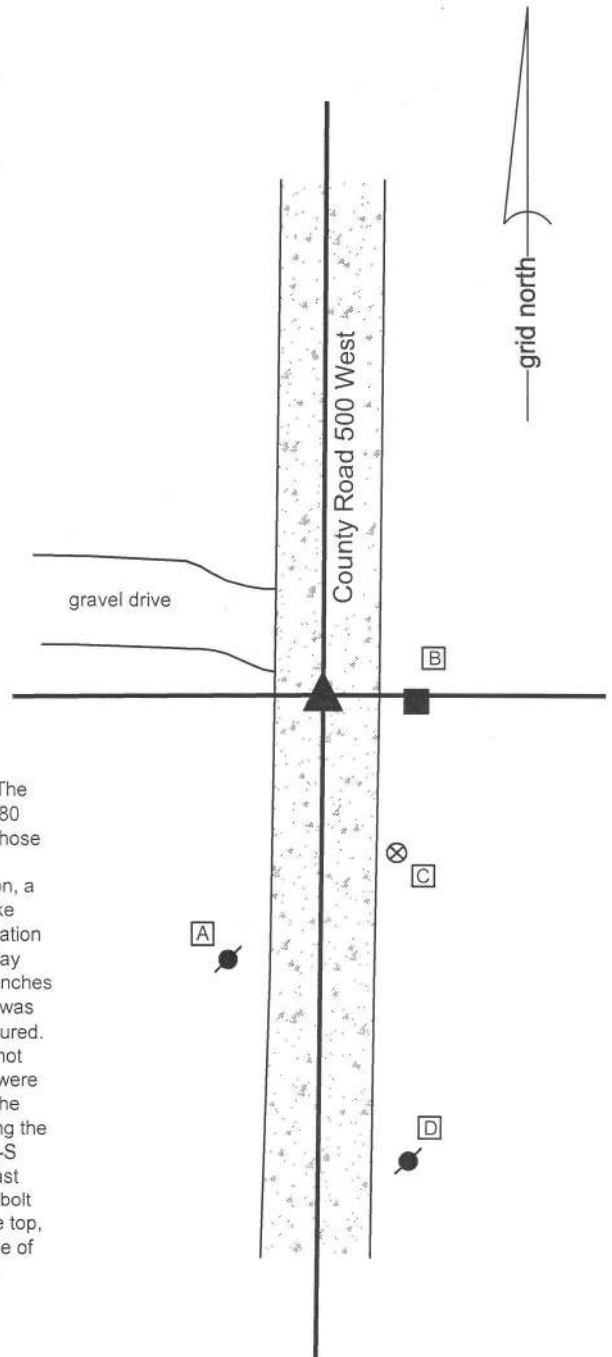
A - Mag nail set in E. side power pole, 2' a.g., 43.4'

B - Mag nail set in S. side wood post, 1' a.g., 14.5'

C - Boone County witness mark, flush, 27.0'

D - Mag nail set in N. side power pole, 72.6'

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

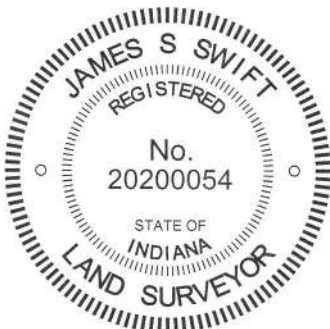


The Harrison monument was set over the top, center of a stone found.

No specific descriptions of this corner were found in the BCS Surveyor's Record. The corner is mentioned as the terminal point for measurements in records of 1863, 1880 and 1883, indicating that some monument was present from which to measure at those times. No recent BCS tie cards were found referencing this corner.

Excavation was performed at this corner on September 8, 2014. Prior to excavation, a square head "bolt spike" was found 3 inches deep in the gravel road. The bolt spike was removed and found to be on a 5/8 inch diameter shaft, 12 inches long. Excavation revealed a stone found at 14 inches deep. The stone was fully embedded in the clay layer below the road with the top of the stone at the top of the clay layer. With six inches of the top of the stone exposed, it measured 11 inches N-S by 13 inches E-W and was clearly larger in the vertical dimension. The total height of the stone was not measured. The stone had a generally flat top. A vague, possible mark was visible on top but not positively confirmed as being created by humans. The characteristics of this rock were similar to those of other stones found for which the records are similar, being that the County Surveyor had apparently found a monument at the corner rather than setting the monument. The stone fit well with local evidence in the form of the center of the N-S and approximately in-line with, though slightly north of, the old wood post on the east side of the road. The top, center of the stone was held as marking the corner. The bolt spike, removed during excavation, had been 0.8 foot south and 0.8 foot west of the top, center of the stone, which would have been approximately along the southwest side of the stone. The stone was left in place and a Harrison monument was set over the approximate center point of the flat top of the stone.

This corner was originally established as a wood post in 1829.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 March 27, 2015

Washington Township

Section 18 T20N, R1W	Section 17 T20N, R1W
Section 19 T20N, R1W	Section 20 T20N, R1W

PHOTOGRAPHIC DOCUMENTATION
Date of photography: September 8, 2014

The stone as originally found.



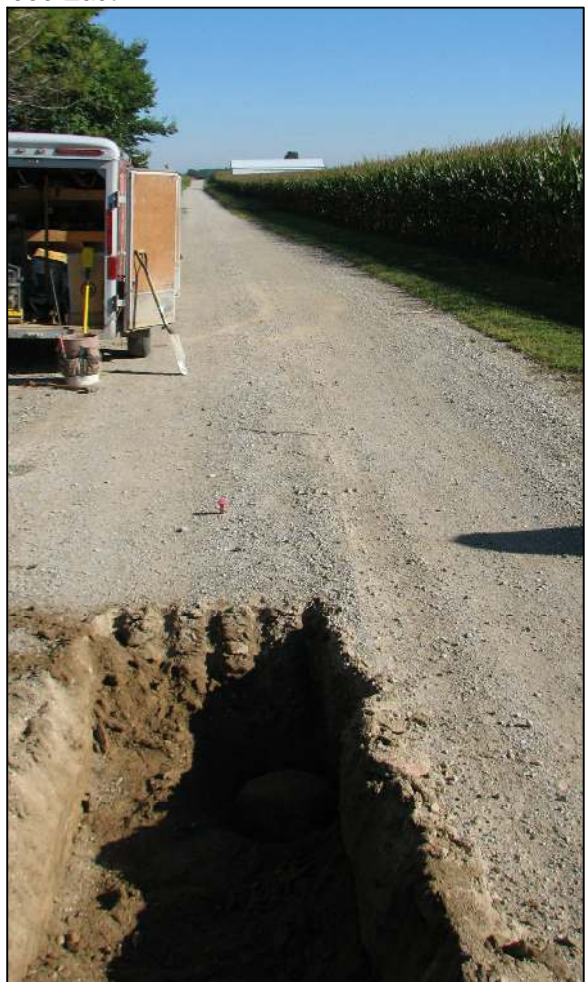
The stone more fully exposed.



View from the west, looking across the stone (in the shadows) and towards the post on the east edge of County Road 500 East.



View from the south, looking across the stone (in the shadows) and north along County Road 500 East.



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

SECTION CORNER RECORD

NW 900-550

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):
North: 1793183.21 East: 3095605.80 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: Four inches below adjacent gravel road surface

Indiana tie card references:

IN02_T20NR1W18_76
IN02_T20NR1W19_04

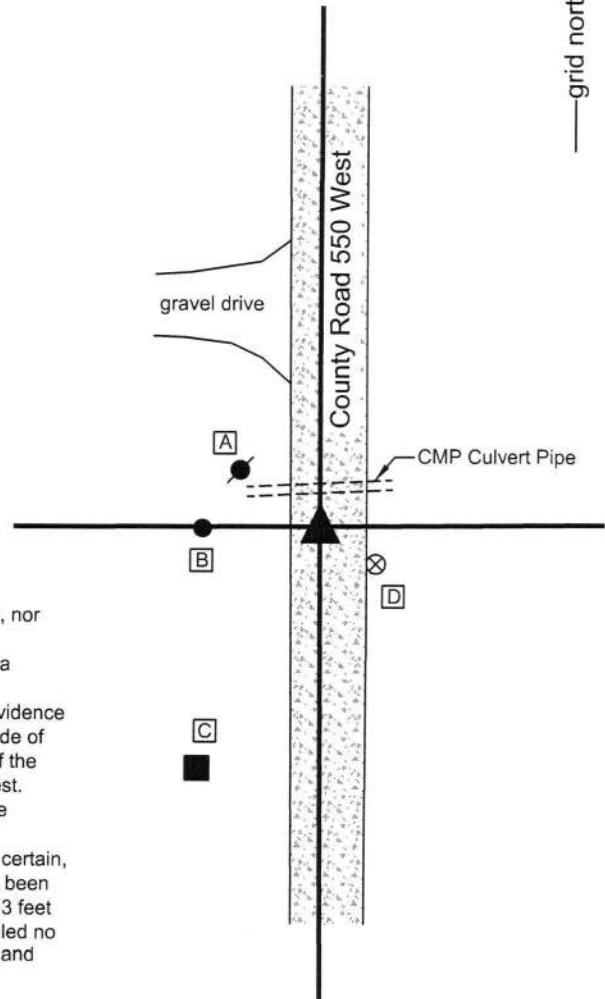


CORNER WITNESS DETAIL

SCALE 1" = 40'

- A - Mag nail set in S.E. side power pole, 2.5' a.g., 18.9'
- B - 5/8" diameter rebar with plastic cap (Dodge), 2" a.g., 24.2'
- C - Mag nail set in N.E. side wood post, 2' a.g., 54.8'
- D - Boone County witness mark, flush, 14.1'

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 in place of a square-headed spike found. No specific descriptions of this corner were found in the BCS Surveyor's Record, nor were any recent tie cards found referencing this corner. Excavation was performed at this corner on April 14, 2016. Prior to excavation, a square headed spike was found at 2 inches below grade in the gravel road. Excavation revealed no further evidence of the corner. The spike fit with local evidence in the form of the north-south gravel roadway and an old end post on the west side of the road. Per testimony of the landowner who lives adjacent to and northwest of the corner, the existing end post was formerly the terminus of an old fence to the west. The spike also fits with the description for the property adjoining the corner to the northwest. The corner is situated slightly south of a drainage culvert. It is likely, though not certain, that any previously existing evidence of the corner, such as a stone, would have been removed during installation of the culvert pipe. Excavation of an area extending 3 feet north, 4 feet east, 3 feet south and 4 feet west of the square-headed spike revealed no further evidence of the corner. The found spike was held as marking the corner and was replaced with a Harrison monument in the same position. This corner was originally established as a wood post in 1829.



Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054

March 23, 2017

Washington Township

Section 18
T20N, R1W

Section 19
T20N, R1W