

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NW 900-1100

State Plane grid coordinates NAD83 (2011):

North: 1793486.98 East: 3066498.97 (U.S. survey feet)

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

Depth: Six inches below adjacent gravel road surface

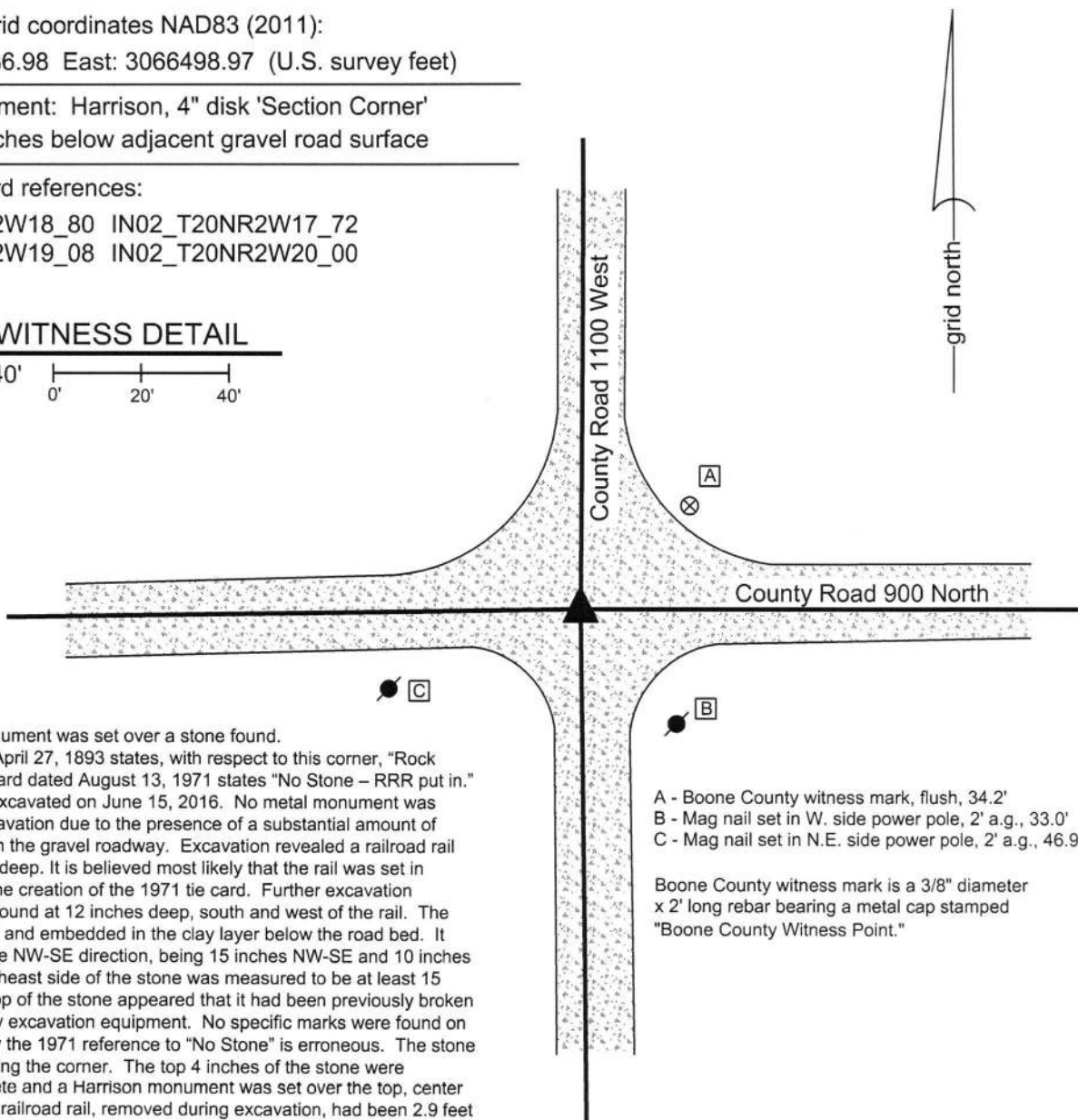
Indiana tie card references:

IN02_T20NR2W18_80 IN02_T20NR2W17_72

IN02_T20NR2W19_08 IN02_T20NR2W20_00

CORNER WITNESS DETAIL

SCALE 1" = 40'



The Harrison monument was set over a stone found.

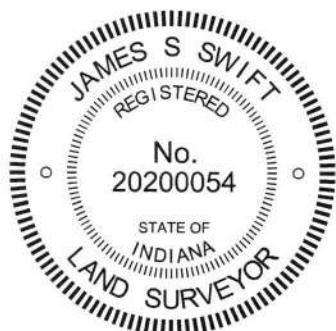
A BCS record of April 27, 1893 states, with respect to this corner, "Rock Set." A BCS tie card dated August 13, 1971 states "No Stone - RRR put in."

This corner was excavated on June 15, 2016. No metal monument was found prior to excavation due to the presence of a substantial amount of metallic material in the gravel roadway. Excavation revealed a railroad rail found at 7 inches deep. It is believed most likely that the rail was set in association with the creation of the 1971 tie card. Further excavation revealed a stone found at 12 inches deep, south and west of the rail. The stone was vertical and embedded in the clay layer below the road bed. It was oriented in the NW-SE direction, being 15 inches NW-SE and 10 inches NE-SW. The northeast side of the stone was measured to be at least 15 inches tall. The top of the stone appeared that it had been previously broken off, presumably by excavation equipment. No specific marks were found on the stone. Clearly the 1971 reference to "No Stone" is erroneous. The stone was held as marking the corner. The top 4 inches of the stone were encased in concrete and a Harrison monument was set over the top, center of the stone. The railroad rail, removed during excavation, had been 2.9 feet east and 0.9 foot north of the stone.

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

- A - Boone County witness mark, flush, 34.2'
- B - Mag nail set in W. side power pole, 2' a.g., 33.0'
- C - Mag nail set in N.E. side power pole, 2' a.g., 46.9'

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



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

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

Sugar Creek Township

Section 18 T20N, R2W	Section 17 T20N, R2W
Section 19 T20N, R2W	Section 20 T20N, R2W

PHOTOGRAPHIC DOCUMENTATION

Date of photography: June 15, 2016

The stone partially exposed, view from above and north.



The stone partially exposed, view from above.



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



View from north, looking across the stone and south along County Road 1100 West.



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

SECTION CORNER RECORD

NW 900-1150

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1793448.08 East: 3063823.14 (U.S. survey feet)

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

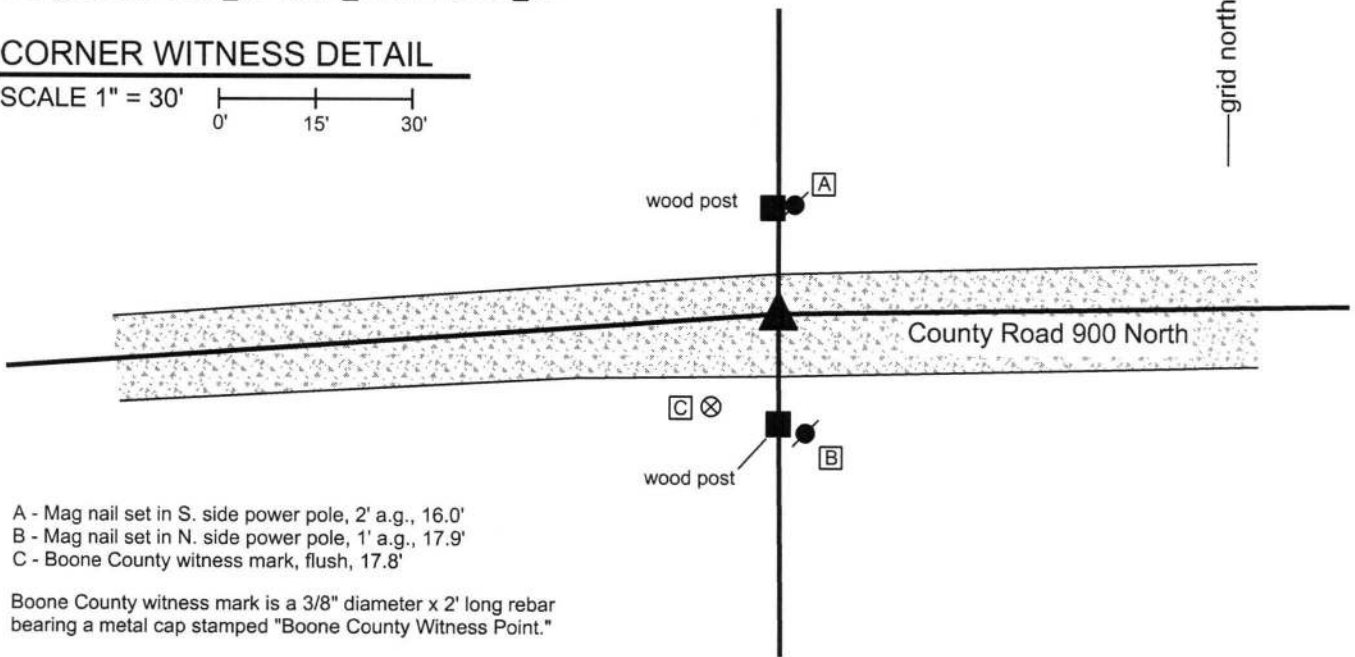
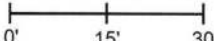
Depth: Six inches below adjacent gravel road surface

Indiana tie card references:

IN02_T20NR2W18_76 IN02_T20NR2W19_04

CORNER WITNESS DETAIL

SCALE 1" = 30'



- A - Mag nail set in S. side power pole, 2' a.g., 16.0'
- B - Mag nail set in N. side power pole, 1' a.g., 17.9'
- C - Boone County witness mark, flush, 17.8'

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.

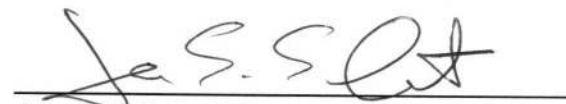
A BCS record dated August 29, 1888 states, with respect to this corner, "Reestablished by measure and intersection. Set large rock marked +..." A subsequent BCS record, dated August 20, 1894 states "Found Rock for Old Corner. Rock set by Warren N12E, 17 [lks]." The reference to Warren in the 1894 record refers to the 1888 record. No recent BCS tie cards were found referencing this corner.

This corner was excavated on July 11, 2016. Prior to excavation, a railroad spike was found at 6 inches deep in the approximate center of the gravel road, situated between wood corner posts on the north and south sides of the road. Prior to excavation, significant analysis was performed with respect to the relative positions of the subject and adjoining corners and with respect to the distances reported on the 1888 and 1894 records. Excavation centered on the aforementioned railroad spike revealed a stone found at 10 inches deep. The stone was 18 inches tall by 11 inches N-S by 12 inches E-W. An etched mark was vaguely visible on the top of the stone. Given the uncertainties with respect to the previous records, further excavation was performed after finding the stone in order to determine whether the found stone represents the monument referred to in the 1888 or 1894 records. Excavation of areas 3 feet N-S by 4 feet E-W at points South 12 degrees West and North 12 degrees East, respectively, of the found stone yielded no further evidence of the corner. Based on the available evidence and records, it is believed most likely that the found stone represents the monument associated with the 1894 record. The position of the found 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. The railroad spike, removed during excavation, had been near the southwest edge of the stone, specifically 0.3 foot west and 0.5 foot south of the point held as the corner.

This corner was originally established as a wood post in 1829. It is noted that the roadway and section lines bend significantly at this point. This irregularity in the east-west section line is due to the presence of the west line of the Thorntown Indian Reserve approximately 1924 feet to the west.




Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054

March 23, 2017

Sugar Creek Township

Section 18
T20N, R2W



Section 19
T20N, R2W

PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 11, 2016

The stone as it was originally exposed.



The stone more fully exposed.



View from NNE, showing the three areas of excavation (see Section Corner Record).



View from north, looking across the stone toward the post on the south side of C.R. 900 North



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

SECTION CORNER RECORD

NW 900-1200

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1793335.55 East: 3061055.84 (U.S. survey feet)

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

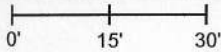
Depth: four inches below adjacent road surface

Indiana tie card references:

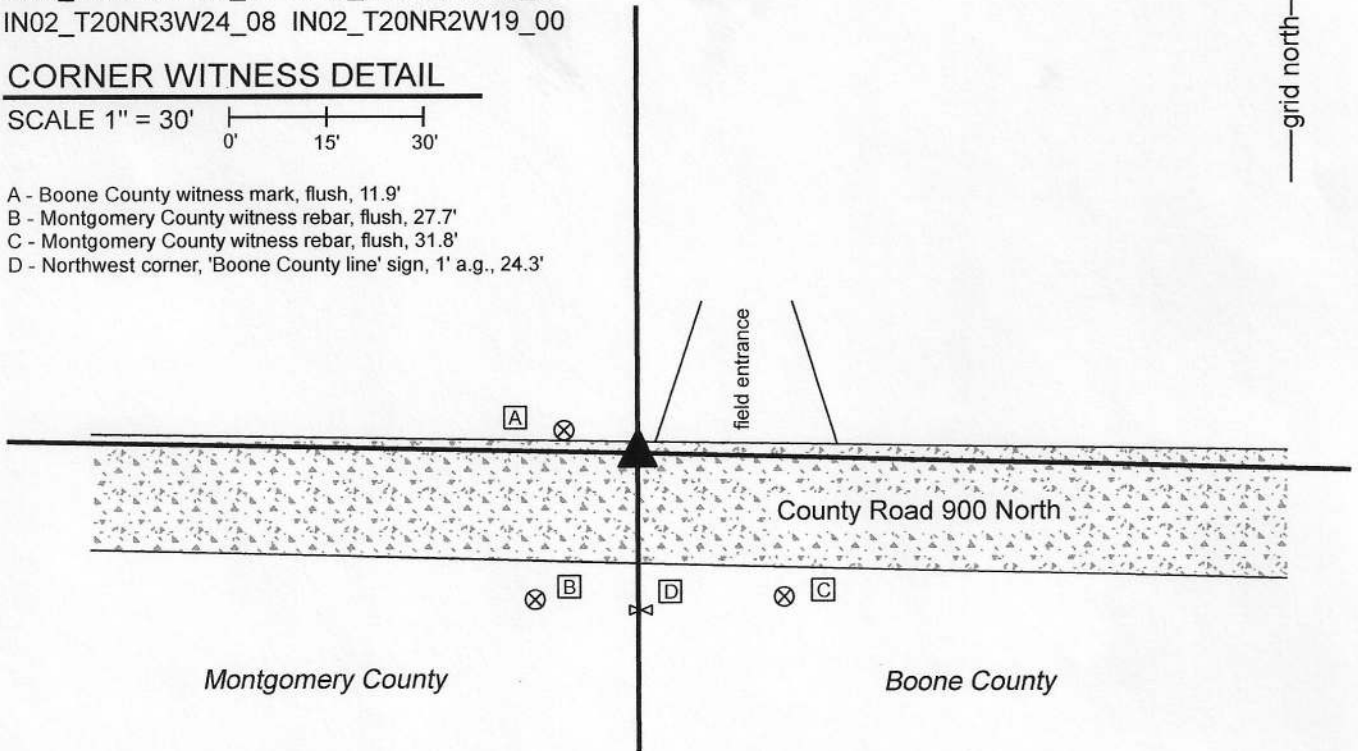
IN02_T20NR3W13_80 IN02_T20NR2W18_72

IN02_T20NR3W24_08 IN02_T20NR2W19_00

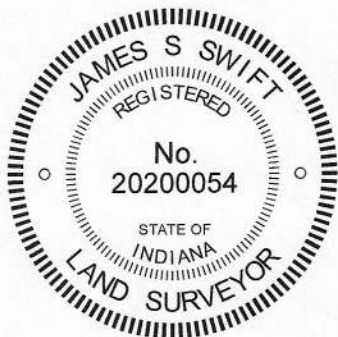
CORNER WITNESS DETAIL

SCALE 1" = 30' 

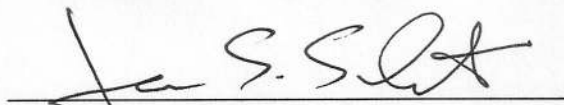
- A - Boone County witness mark, flush, 11.9'
- B - Montgomery County witness rebar, flush, 27.7'
- C - Montgomery County witness rebar, flush, 31.8'
- D - Northwest corner, 'Boone County line' sign, 1' a.g., 24.3'



The Harrison monument was set in place of a disturbed rebar found, per distance ties provided by the Montgomery County Surveyor's Office. No specific description of this corner was found in the BCS Surveyor's Record beyond the original establishment of the corner as a wood post in 1819. The corner was established by the Montgomery County Surveyor's Office in 2010 as a rebar set in place of a found railroad spike, per section corner dossier dated July 3, 2010. The rebar called for by said dossier was found at the north edge of the road, at the surface of the road, bent substantially with no cap. The precise position of the corner as called by Montgomery County was established per the position of the vertical shaft of the rebar, found below the bend in the rebar, and per 2 rebars with plastic caps shown the dossier as distance references. The vertical shaft of the rebar fit well with the distance ties to the rebars. As no stone was found at this corner during excavation in 2010, additional excavation was performed by the Boone County Surveyor's Office on March 25, 2020. Excavation of an area extending 2 feet north, 8 feet south, 4.5 feet east and 3.5 feet west of the rebar revealed no further evidence of the corner. Excavation was performed to below the bottom of the road bed, approximately 18 inches deep. The corner as established by Montgomery County was held and a Harrison monument was set in place of the vertical shaft of the bent rebar, in agreement with the aforementioned witness ties. It is noted that, though this corner falls on a range line, this is a common corner for the sections in Ranges 2 and 3 West, due to the presence of the west line of the Thorntown Reserve to the east. In 1822 the federal surveyors held the standard corner set in 1819 and surveyed east to the reserve line from that corner, causing this corner to be a single corner with no range line offset.




 Kenneth E. Hedge, County Surveyor


 James S. Swift, IN LS 20200054
 April 15, 2020

Sugar Creek Township Montgomery County	Sugar Creek Township Boone County
Section 13 T20N, R3W	Section 18 T20N, R2W
Section 24 T20N, R3W	Section 19 T20N, R2W

SECTION CORNER RECORD NW 900-1200RSV

BOONE COUNTY SURVEYOR'S OFFICE

West line of the
Thorntown Reserve

State Plane grid coordinates NAD83 (2011):
North: 1793313.34 East: 3061901.33 (U.S. survey feet)

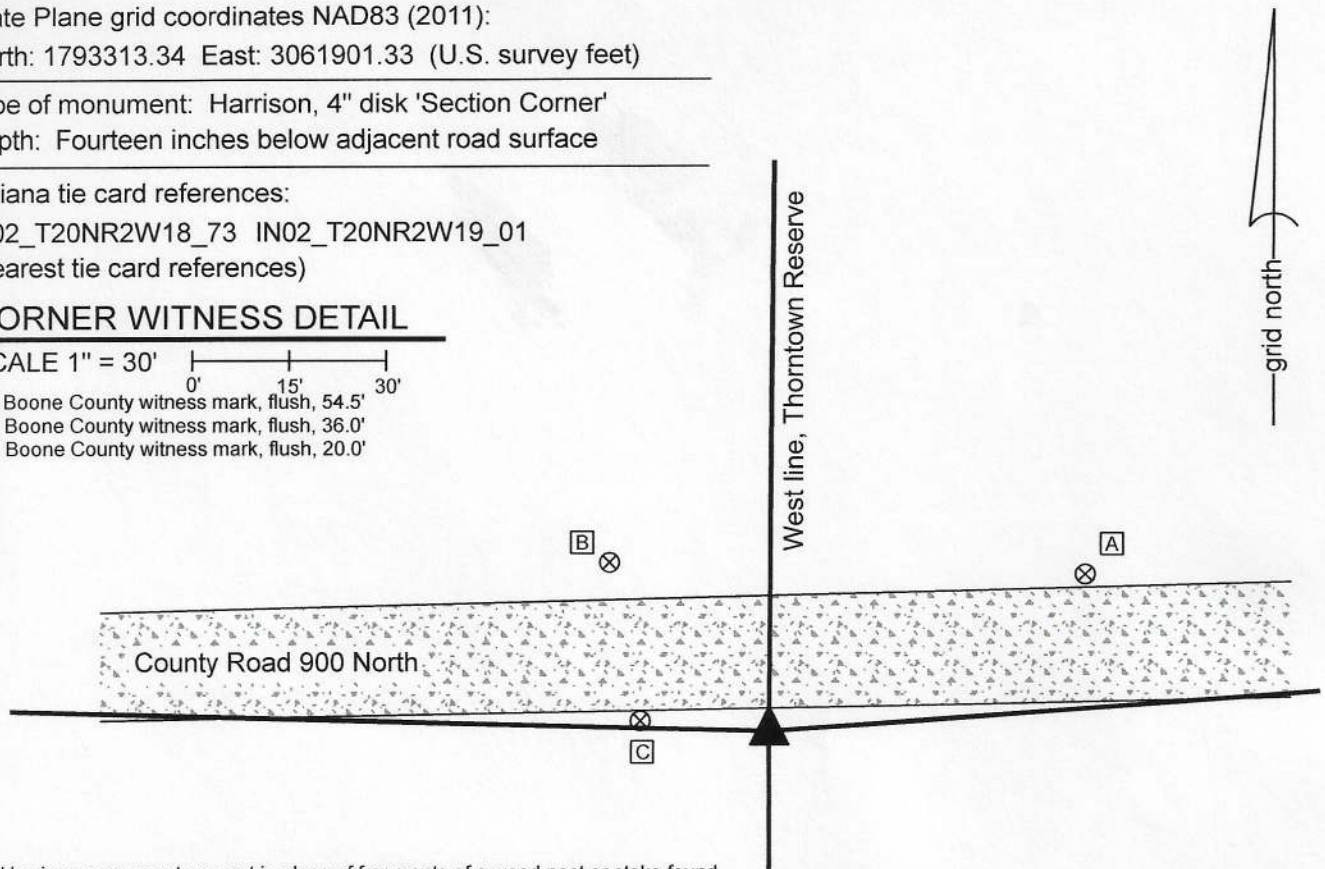
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: Fourteen inches below adjacent road surface

Indiana tie card references:
IN02_T20NR2W18_73 IN02_T20NR2W19_01
(Nearest tie card references)

CORNER WITNESS DETAIL

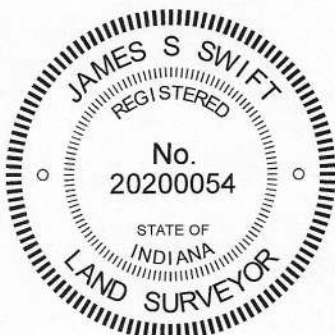
SCALE 1" = 30'

- A - Boone County witness mark, flush, 54.5'
- B - Boone County witness mark, flush, 36.0'
- C - Boone County County witness mark, flush, 20.0'



The Harrison monument was set in place of fragments of a wood post or stake found. This corner is on the west line of the Thorntown Reserve, a reserve held out from the Treaty of St. Mary's in 1818. The perimeter of the reserve and adjacent sections outside the reserve were surveyed by Thomas Brown and crew in 1822. The interior of the reserve was surveyed by John Hendricks and crew in 1829. 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 1822 and the closing onto that corner in 1829. It is noted that in 1829, the random line surveyed west to the reserve line intersected the west line of the reserve 290 links north of the post. The line was corrected in a straight line from the post, which accounts, in part, for the substantial bend which occurs in the section line at the reserve line. See also BCS corner NW 900-1150 for more information about the line between sections 18 and 19. Neither recent BCS tie cards nor recorded surveys were found referencing this corner.

This corner was excavated on March 25, 2020. Prior to excavation, an estimated position was computed for the corner, being 12.79 chains (original federal distance reported in 1822) easterly from the southwest corner of section 18 (see BCS Corner NW 900-1200) and on the westerly prolongation of a line connecting said BCS Corner NW 900-1150 with a railroad spike found in the center of County Road 1100 North, 1334 feet west of corner NW 900-1150. This computed position falls slightly south of the physical roadway, but fits reasonably well with the center of the road to the east and west. It is noted that the roadway appears to generally fall along the section line, but smooths out the substantial bend in the vicinity of the reserve line. No physical evidence of the north-south treaty line was observed prior to excavation, though as noted, the existing roads agree with the expected bend in the section line. Excavation at the computed position for the corner revealed fragments of a wood post or stake found approximately 1.5 feet east of the computed position. The fragments of stake were found from 9 to 12 inches deep in the ground, adjacent to the road. The fragments definitely appeared to be those of a former stake or post and appeared to be in a vertical orientation. No stone or other solid monuments were found. The fragments of post or stake were accepted as the best available evidence of the corner. It is noted that this evidence fit remarkably well with the available evidence in the form of the existing roadways and distances recorded by the original federal surveyors, both from 1822 and 1829. It also fit reasonably well with the distance called from the southwest corner of section 18 in the deed for the adjoining land to the north, per Instrument 2008008515, Boone County Recorders Office. The fragments of stake or post were replaced with a Harrison monument with cap stamped 'Treaty Line' on March 25, 2020. The monument was set at 14 inches below grade, as it is proximate to the plow line for the tilled field on the south side of County Road 1100 North.



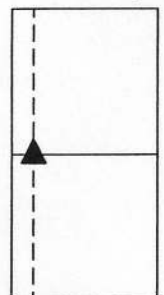
Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
April 15, 2020

Sugar Creek Township

Section 18
T20N, R2W

Section 19
T20N, R2W



SECTION CORNER RECORD

NW 950-1100

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1796157.09 East: 3066512.25 (U.S. survey feet)

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

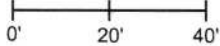
Depth: Six inches below adjacent gravel road surface

Indiana tie card references:

IN02_T20NR2W18_44 IN02_T20NR2W17_36

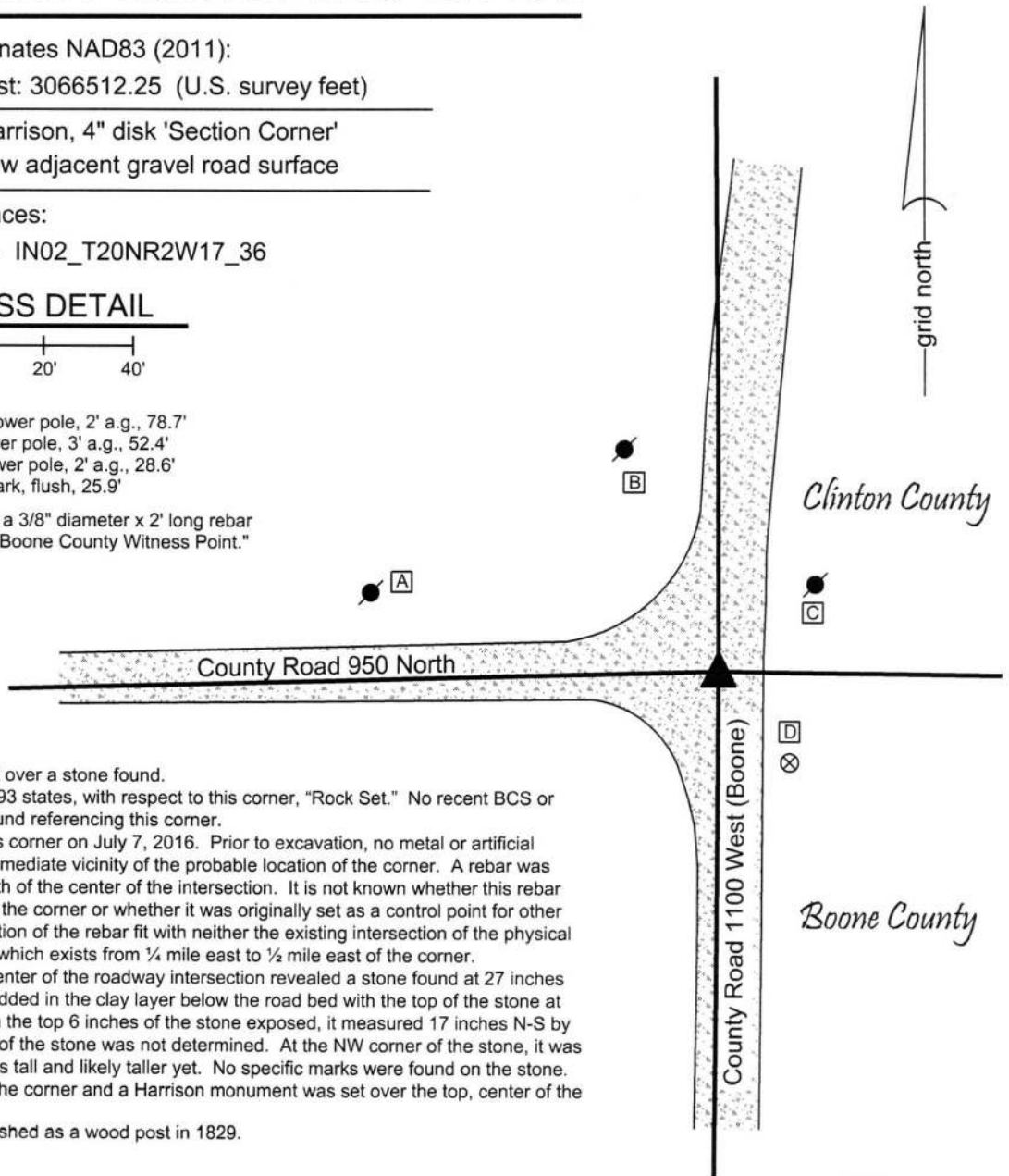
CORNER WITNESS DETAIL

SCALE 1" = 40'



- A - Mag nail set in S.E. side power pole, 2' a.g., 78.7'
- B - Mag nail set in S. side power pole, 3' a.g., 52.4'
- C - Mag nail set in W. side power pole, 2' a.g., 28.6'
- D - Boone County witness mark, flush, 25.9'

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 over a stone found.

A BCS record dated April 27, 1893 states, with respect to this corner, "Rock Set." No recent BCS or Clinton County tie cards were found referencing this corner.

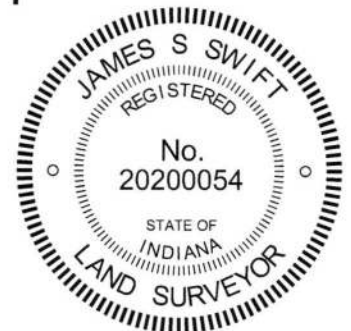
Excavation was performed at this corner on July 7, 2016. Prior to excavation, no metal or artificial monuments were found in the immediate vicinity of the probable location of the corner. A rebar was found approximately 12 feet south of the center of the intersection. It is not known whether this rebar was intended to mark or witness the corner or whether it was originally set as a control point for other surveys. It is noted that the position of the rebar fit with neither the existing intersection of the physical roadways nor the existing fence which exists from 1/4 mile east to 1/2 mile east of the corner.

Excavation at the approximate center of the roadway intersection revealed a stone found at 27 inches deep. The stone was fully embedded in the clay layer below the road bed with the top of the stone at the bottom of the road bed. With the top 6 inches of the stone exposed, it measured 17 inches N-S by 16 inches E-W. The total height of the stone was not determined. At the NW corner of the stone, it was measured to be at least 12 inches tall and likely taller yet. No specific marks were found on the stone. The stone was held as marking the corner and a Harrison monument was set over the top, center of the stone.

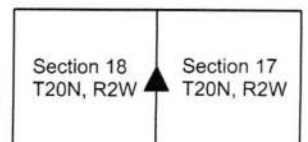
This corner was originally established as a wood post in 1829.


 Kenneth E. Hedge, County Surveyor


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



Perry Township
 Clinton County
 Sugar Creek Twp
 Boone County



PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 7, 2016

The stone as it was originally exposed.



The stone more fully exposed, view from above and north.



View from north, looking across the stone and south along C.R. 1100 West to the south.



View from east, looking across the stone and west along C.R. 950 North to the west.



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

SECTION CORNER RECORD

NW 950-1200

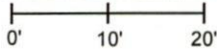
BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):
North: 1795970.72 East: 3061042.00 (U.S. survey feet)

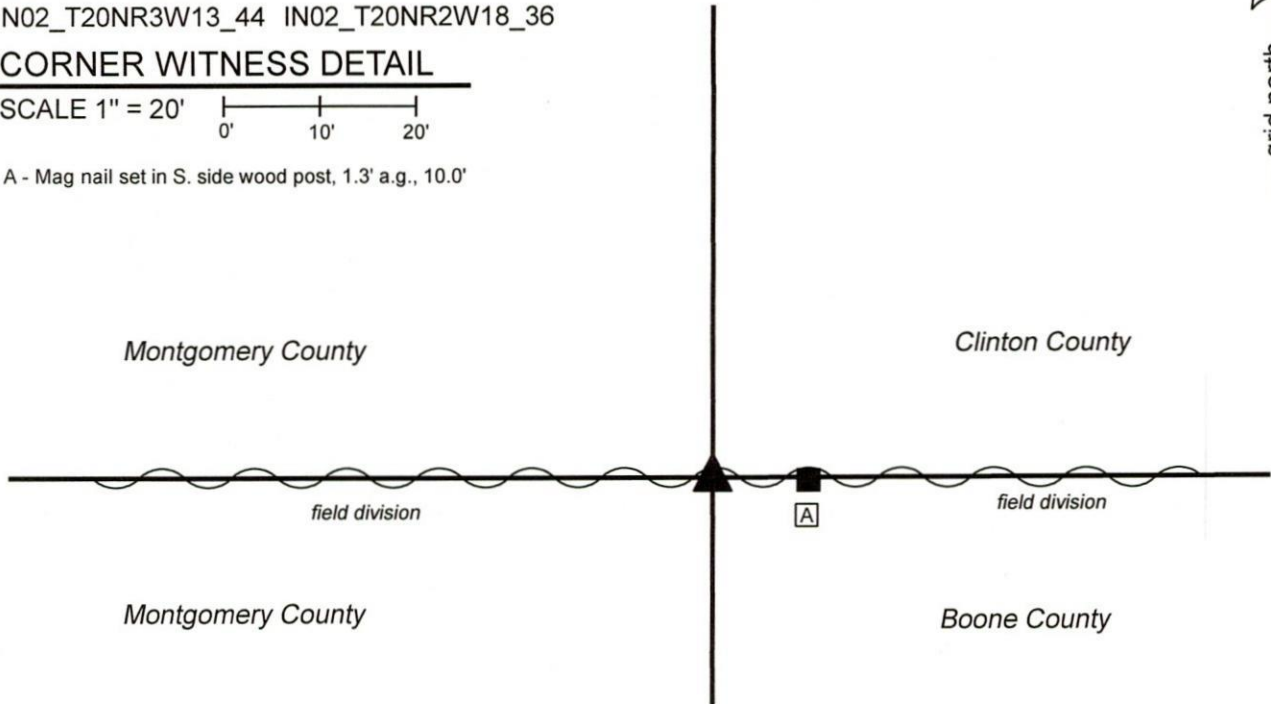
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: Three inches above surrounding ground

Indiana tie card references:
IN02_T20NR3W13_44 IN02_T20NR2W18_36

CORNER WITNESS DETAIL

SCALE 1" = 20' 


A - Mag nail set in S. side wood post, 1.3' a.g., 10.0'

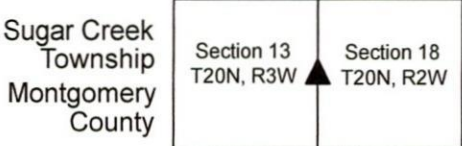


The Harrison monument was set in place of a rebar found. No specific descriptions of this corner were found in the BCS Surveyor's Record beyond the original establishment of the corner as a wood post in 1819. No recent BCS tie cards were found referencing the corner. A Section Corner Dossier provided by the Montgomery County Surveyor's Office shows the corner as a 5/8" x 30" rebar with aluminum cap 0.8' B.G. The dossier states that this monument was set in place of a stone found at 4 inches below grade in 2010, 1.05 foot west of a 5/8 inch uncapped rebar of unknown origin found 0.1 foot above grade at the base of a fallen 6 inch round corner post. No record of the size of the stone is noted in the dossier. Both rebars were found in good condition, evidently undisturbed. The Montgomery County rebar was found at 10 inches below grade and the uncapped rebar was found protruding 1 inch above grade, 1.05 feet east of the capped rebar, per the dossier. The position of the corner as established by the Montgomery County Surveyor's Office was held. Both rebars were removed and the Montgomery County rebar was replaced with a Harrison monument in the same horizontal position on March 5, 2020. It is noted that though this corner falls on a range line, the corners for the adjacent sections represent a common corner with no offset. The standard corner set in 1819 was held by the federal subdividing surveyors in 1822. This was due to the presence of the west line of the Thorntown Reserve to the east and the practice of holding the standard corner and surveying from that corner to the east to establish a corner of the treaty line.




Kenneth E. Hedge, County Surveyor


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



Perry Township
Clinton County
Sugar Creek Twp
Boone County

SECTION CORNER RECORD NW 950-1200RSV

BOONE COUNTY SURVEYOR'S OFFICE

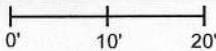
West line of the
Thorntown Reserve

State Plane grid coordinates NAD83 (2011):
 North: 1795973.04 East: 3061922.46 (U.S. survey feet)

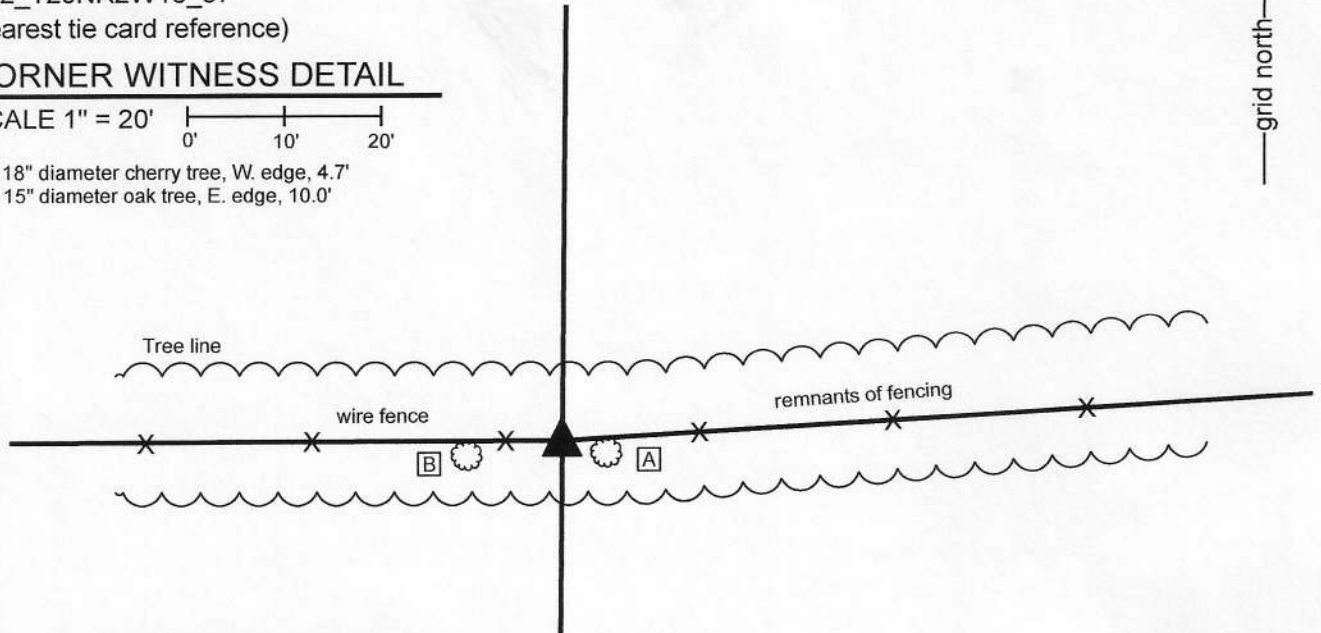
Type of monument: Harrison, 4" disk 'Treaty Line'
 Depth: Three inches above surrounding ground

Indiana tie card references:
 IN02_T20NR2W18_37
 (Nearest tie card reference)

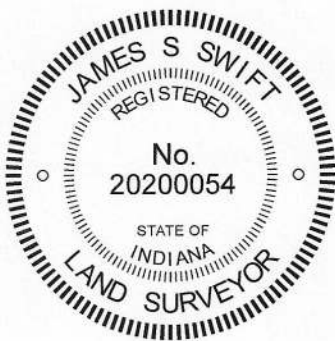
CORNER WITNESS DETAIL

SCALE 1" = 20' 

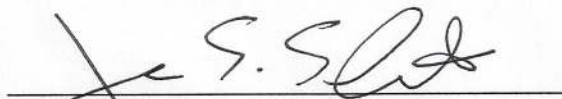
- A - 18" diameter cherry tree, W. edge, 4.7'
- B - 15" diameter oak tree, E. edge, 10.0'



The Harrison monument was set at a calculated position. This corner represents the point where the west line of the Thorntown Reserve, originally surveyed in 1822, crosses the Boone County / Clinton County line. This is not an original corner of the public land system. The reserve corners on the south and north sides of section 18 were set as part of the original survey of the west line of the reserve. A BCS record of February 22, 1850 shows the corner with distance ties to two hickory trees. A subsequent record of August 30, 1894 states, "Stumps of hickories as above, found marks. A small rock already set at corner." Neither recent BCS tie cards nor recorded surveys were found referencing this corner. The deed description for the adjacent land to the south (see Instrument 2008008515, Boone County Recorder's Office) calls for this corner by distance and bearing with respect to the west quarter corner of section 18. This corner was investigated on multiple occasions over several years, and extensively in late winter, 2020. A position for the corner was computed at the intersection of a standing east-west fence with the line connecting the west line of the reserve as determined by a Harrison monument set at the reserve corner on the south line of section 18 (see BCS corner NW 900-1200RSV) and a 5/8 inch rebar providing reliable evidence of the reserve corner of the north side of section 18, said rebar being in Clinton County Road 700 South, in-line with an old fence to the north. This computed position fit within 2 feet of the distance call to the west quarter corner of section 18 (see BCS corner NW 950-1200), per I 2008008515. This computed position also fell at the approximate point where the standing east-west fence bends, bearing east-northeast toward the east, as is expected with the section lines crossing the west line of the reserve. No specific corner post was found marking this bend in the fence and it is somewhat vague. A 5/8 inch rebar was found 11.8 feet east of this computed position. This rebar may be intended to mark the reserve line. The position of the rebar fits by deed distance with a wood post found approximately 10 feet east of the west quarter corner of section 18. It is believed most likely that the position of the rebar, being so far east, is dependent on an erroneous call for the post which is 10 feet east of the west quarter corner. Extensive probing and manual excavation in the immediate vicinity of the corner, including the area around the found rebar revealed several small rocks but none of which appeared to have been purposely set to mark the corner. The computed position for the corner was held and a Harrison monument with top stamped 'Treaty Line' was set at this position. The 5/8 inch rebar was left in place, 11.8 feet east of the corner.




 Kenneth E. Hedge, County Surveyor


 James S. Swift, IN LS 20200054
 April 15, 2020

