

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

NE 700-800

State Plane grid coordinates NAD83 (CORS96):

North: 1783624.03 East: 3166701.64 (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_T20NR2E29_80 IN02_T20NR2E28_72

IN02_T20NR2E32_08 IN02_T20NR2E33_00

CORNER WITNESS DETAIL

SCALE 1" = 30'



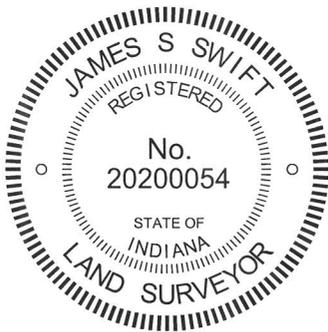
- A - Boone County witness mark, flush, 26.06'
- B - Mag nail set in s. side power pole, 2' a.g., 75.65'
- C - Boone County witness mark, flush, 40.74'

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

County Road 800 East



The harrison monument was set in place of a railroad spike found. A BCS record of October 4, 1886 states "Reestablished from stump of Beech (S 9° W). Set Rock 19x15x13+, witness 12x13x8+ bears S38°E 44 lks." A BCS tie card dated August 10, 1974 states "small stone found" and graphically demonstrates the corner to be at the midpoint between end posts for the fences to the east and west. This corner was excavated on August 2, 2013. Prior to excavation a railroad spike was found at 2 inches deep in the gravel road. Excavation of an area extending 3.5 feet N, 5 feet E, 3.5 feet S and 5 feet W revealed no further evidence of the corner. The reference on the 1974 tie card to a "small stone found" does not harmonize with the 1886 call for a stone 19x15x13, which would probably not have been considered "small" by a BCS crew of that, or any, era. It is noted that the railroad spike is not consistent with the type of monument known to be used by BCS crews in 1975. It is also noted that the road bed was found to consist of only 5 inches of material above the clay layer. Typically corner stones are found to be embedded in the clay layer below the road, protruding 2 to 5 inches into the bottom of the road bed. Given the minimal road bed at this corner, it is highly likely that the 1886 record stone was repeatedly hit by road grading equipment and possible removed for that reason. The railroad spike does fit with local evidence in the form of the field division to the west. The spike was near the east side of the road, as were the corner stones found 1/2 and 1 mile north, respectively of this corner. The witness stone called for the in the 1886 record was searched for in the form of probing. The expected position of the witness stone falls either in the road side ditch or the adjacent plowed field. Probing revealed no evidence of the witness stone. Given the lack of contrary evidence, the position of the railroad spike was held as marking the corner and the railroad spike was replaced with a harrison monument. This corner was originally established as a wood post in June, 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

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

Marion Township

Section 29 T20N, R2E	Section 28 T20N, R2E
Section 32 T20N, R2E	Section 33 T20N, R2E

SECTION CORNER RECORD

NE 750-700

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1786086.06 East: 3161349.59 (U.S. survey feet)

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

Depth: six inches below adjacent gravel road surface

Indiana tie card references:

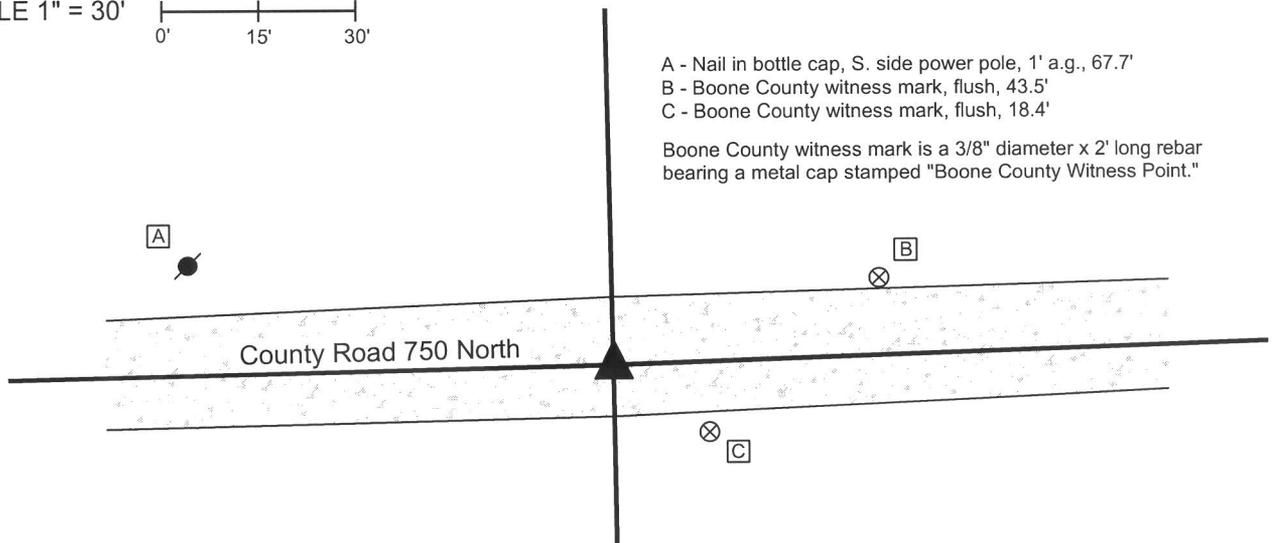
IN02_T20NR2E29_36

IN02_T20NR2E30_44



CORNER WITNESS DETAIL

SCALE 1" = 30'



- A - Nail in bottle cap, S. side power pole, 1' a.g., 67.7'
- B - Boone County witness mark, flush, 43.5'
- C - Boone County witness mark, flush, 18.4'

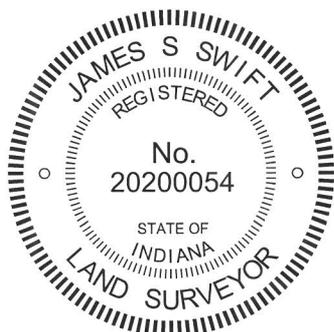
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set over a stone found.

A BCS record of January 21-23, 1869 states "Reestablished from trees as Re-est. by Mr. Mullikin. Set two Rocks. One 12.12.5 1/2 marked +. Top Rock is 14.9.6 marked +." The reference to Mr. Millikin is thought to be a reference to James Mullikin, Boone County Surveyor from 1850 to 1852. A BCS tie card dated August 21, 1974 states "stone found."

This corner was excavated on September 19, 2013. Prior to excavation, a 5/8 inch diameter rebar was found at 5 inches deep in the gravel road. An orange rebar cap (markings illegible) was found nearby. Excavation revealed a stone found at 9 inches deep, south of the rebar. The stone appeared to have been knocked over, presumably by road grading equipment. Stood up, the stone measured 14 inches tall by 9 inches by 6 inches with a clearly etched "+" mark near the top. This stone was accepted as being the top stone described in the 1869 record. The stone was removed and another stone was found directly below at 19 inches deep. The lower stone appeared to be horizontal with a clearly etched "+" mark on top, which characteristics are consistent with other lower stones found at other corners where two stones, one above the other, have been found. The bottom stone was not measured but was accepted as being the lower stone in the 1869 record. The bottom stone was left in place and a harrison monument was set directly over the etched "+" mark on the stone. No ties remain from the 1974 tie card. It is not known whether the stone referred to in that record is the same as found. It has been observed at other corners that a common practice for BCS field crews from the late 1960s to early 1970s to remove a stone, if found, and replace it with either a vertical section of railroad rail or a section of 1/2 inch diameter rebar. The 5/8 inch rebar does not fit the character of monuments set by BCS field crews in that era. The found 5/8 inch rebar (removed during excavation) had been near the north edges of the stone, 0.7' north and 0.4' west of the mark found on the lower stone.

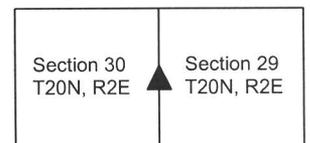
This corner was originally established as a wood post in 1821.



Kenneth E. Hedge, County Surveyor

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

Marion Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: September 19, 2013

View of the upper stone as first exposed.



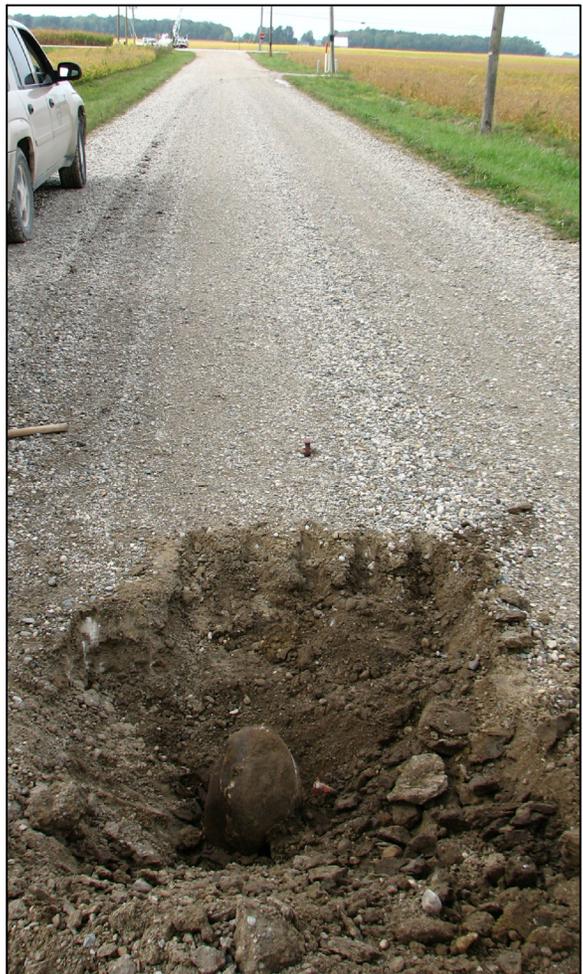
View of the upper stone, exposed and stood up.



View of the lower stone and rebar.



View from the east, looking across the upper stone (stood up) and west along C.R. 750 North, to where it intersects U.S. 421 (Michigan Road.)



View of the lower stone, showing etched +.



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

SECTION CORNER RECORD

NE 750-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

North: 1786255.50 East: 3166643.95 (U.S. survey feet)

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

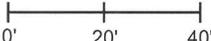
Depth: six inches below adjacent gravel road surface

Indiana tie card references:

IN02_T20NR2E29_44

IN02_T20NR2E28_36

CORNER WITNESS DETAIL

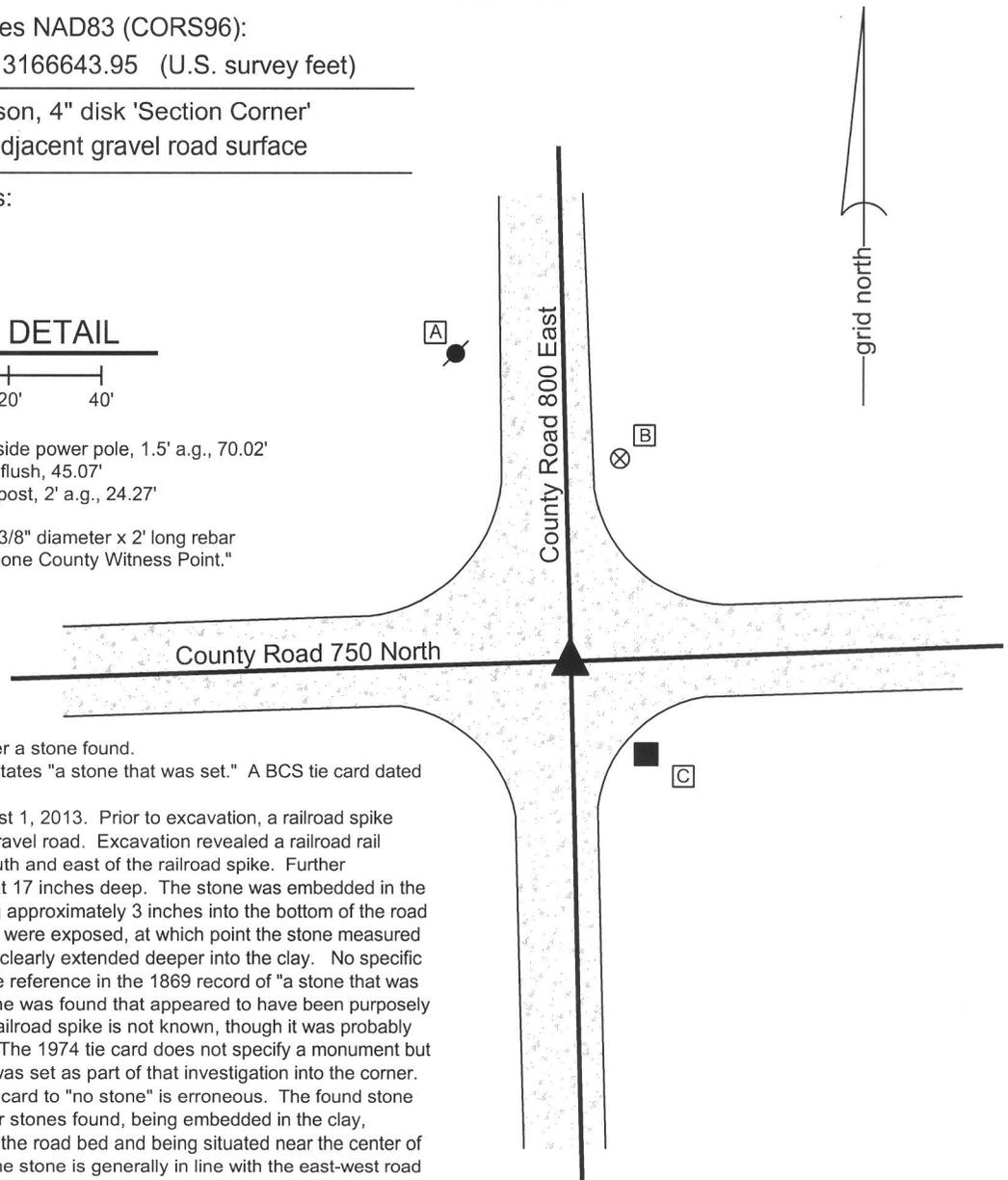
SCALE 1" = 40' 

A - Nail in bottle cap found in E. side power pole, 1.5' a.g., 70.02'

B - Boone County witness mark, flush, 45.07'

C - Mag nail set in N. side wood post, 2' a.g., 24.27'

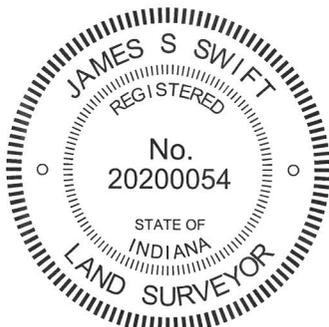
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."



The harrison monument was set over a stone found.

A BCS record of January 23, 1869 states "a stone that was set." A BCS tie card dated July 24, 1974 states "no stone."

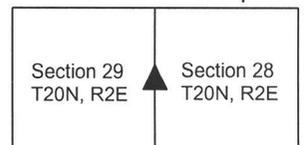
This corner was excavated on August 1, 2013. Prior to excavation, a railroad spike was found at 2 inches deep in the gravel road. Excavation revealed a railroad rail found at 10 inches deep, slightly south and east of the railroad spike. Further excavation revealed a stone found at 17 inches deep. The stone was embedded in the clay layer below the road, protruding approximately 3 inches into the bottom of the road bed. The top 10 inches of the stone were exposed, at which point the stone measured 14 inches E-W by 9 inches N-S and clearly extended deeper into the clay. No specific marks were found on the stone. The reference in the 1869 record of "a stone that was set" is interpreted as meaning a stone was found that appeared to have been purposely set by humans. The source of the railroad spike is not known, though it was probably set as a witness to the railroad rail. The 1974 tie card does not specify a monument but it is most likely that the railroad rail was set as part of that investigation into the corner. Clearly the reference in the 1974 tie card to "no stone" is erroneous. The found stone fits with the character of other corner stones found, being embedded in the clay, protruding slightly into the bottom of the road bed and being situated near the center of the intersection of the two roads. The stone is generally in line with the east-west road beds. It is towards the east edge of the north-south road beds, but it is noted that the corners to the north and south were also east of the center of County Road 800 East. The stone was accepted as the best evidence of the corner and a harrison monument was set over the top, high point of the stone. The railroad spike and railroad rail, both removed during excavation, had been 3 feet west and 1.3 feet north of the high point of the stone. This corner was originally established as a wood post in 1821.




 Kenneth E. Hedge, County Surveyor


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

Marion Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: August 1, 2013

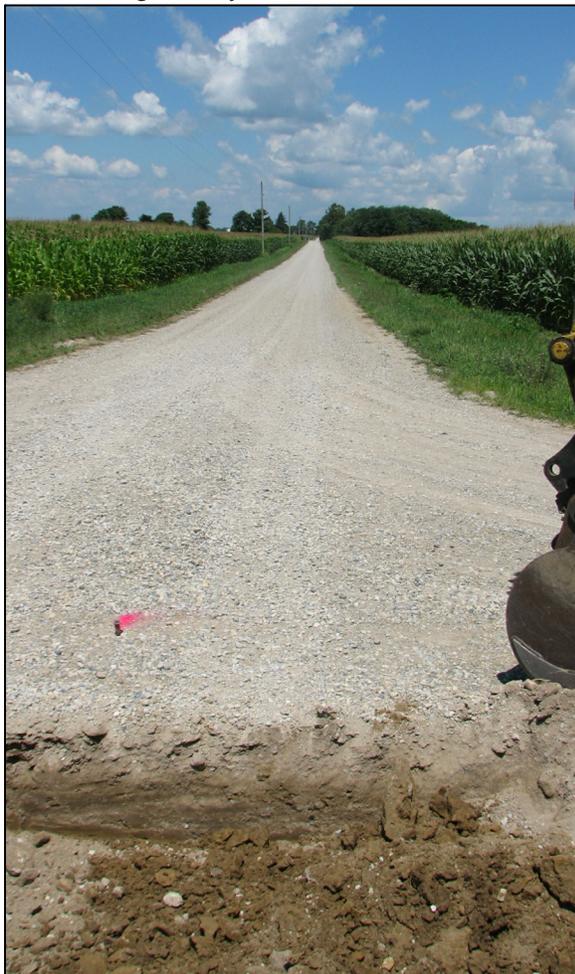
View of the stone as first exposed.



View of the stone more fully exposed.



View from above the stone, looking North along County Road 800 East.



View from above the stone, looking South along County Road 800 East.



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

SECTION CORNER RECORD

NE 800-800

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

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

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

Depth: six inches below adjacent gravel road surface

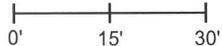
Indiana tie card references:

IN02_T20NR2E20_80 IN02_T20NR2E21_72

IN02_T20NR2E29_08 IN02_T20NR2E28_00

CORNER WITNESS DETAIL

SCALE 1" = 30'



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

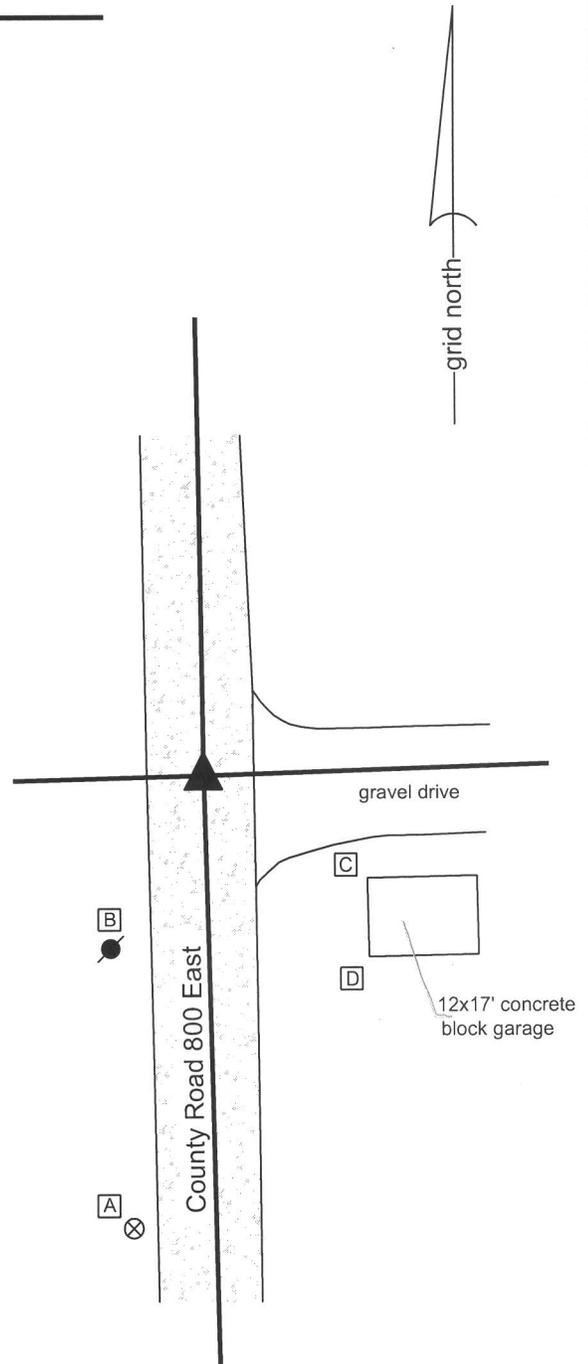
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set over a stone found.

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

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

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



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 February 5, 2015

Marion Township

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

PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 26, 2013

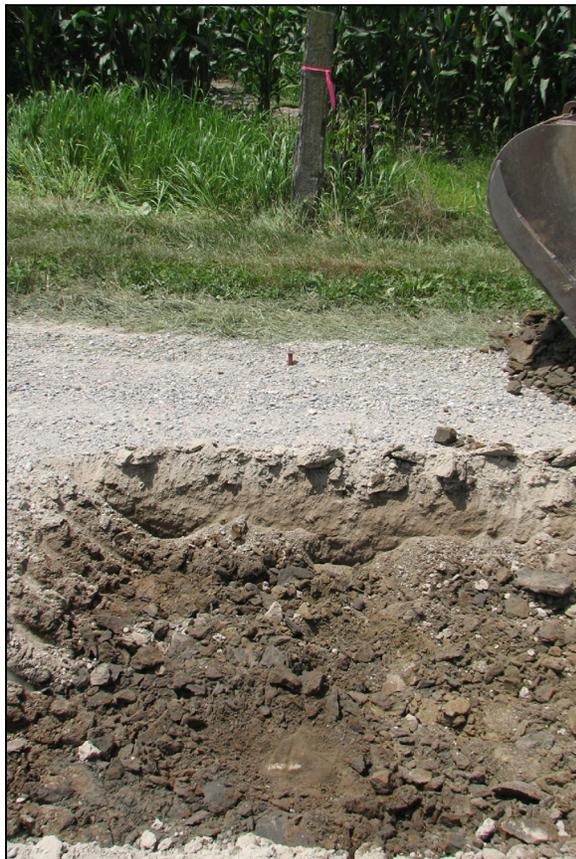
View of the top, east side of the stone with the etched mark exposed.



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



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



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



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