SECTION CORNER RECORD

NE 700-200

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1782688.13 East: 3134877.00 (U.S. survey feet)

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

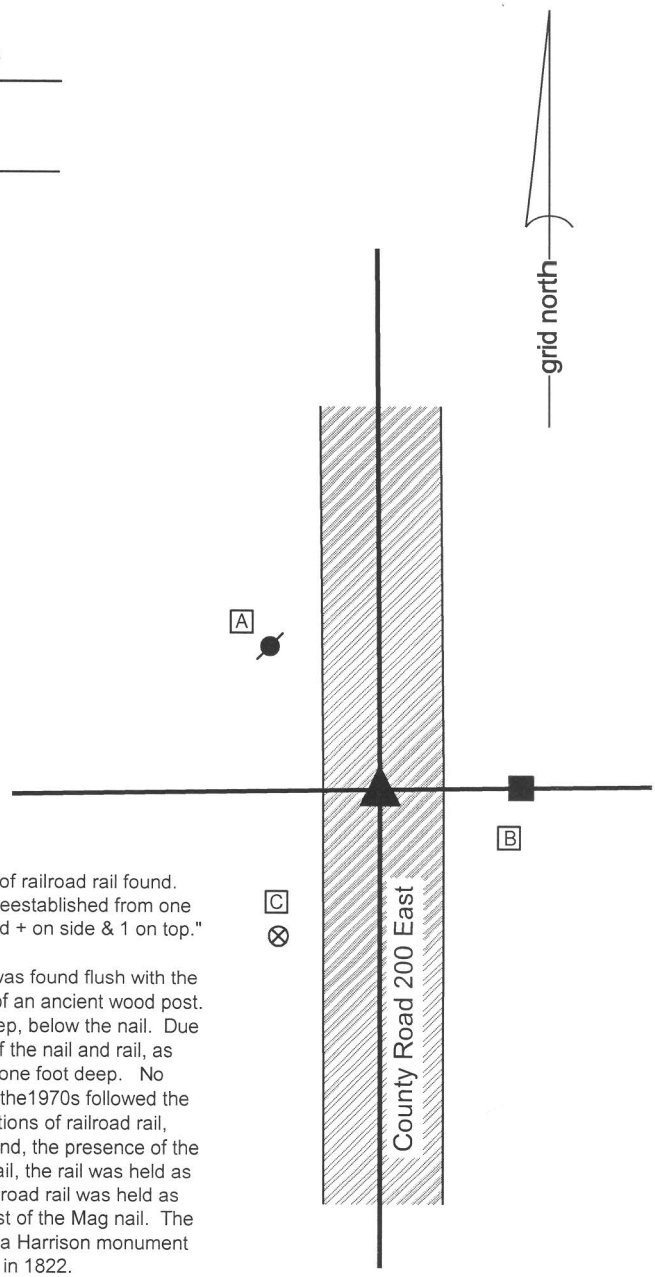
Indiana tie card references:
IN02_T20NR1E29_80 IN02_T20NR1E28_72
IN02_T20NR1E32_08 IN02_T20NR1E33_00

CORNER WITNESS DETAIL

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

A - Mag nail set in S.E. side power pole, 2' a.g., 27.1'
B - Mag nail set in W. side power pole, 1' a.g., 19.7'
C - Boone County witness mark, flush, 28.0'

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 in place of a Mag nail and a vertical section of railroad rail found. A BCS record dated June 22&23, 1866 states, with respect to this corner, " Reestablished from one tree. Set two Rocks. One 8.6.6 in marked +. Top Rock 16.8.8 inches marked + on side & 1 on top." A BCS tie card dated August, 1970 states "Found small stones - set rail."
This corner was excavated on June 3, 2014. Prior to excavation a Mag nail was found flush with the surface of the road, in the approximate center of the road, immediately west of an ancient wood post. Excavation revealed a vertical section of railroad rail found at eight inches deep, below the nail. Due to the presence of a 600 pair phone line crossing the road in one foot south of the nail and rail, as marked by IUPPS, only an area being one foot by one foot was excavated to one foot deep. No further evidence of the corner was found. It is known that BCS field crews of the1970s followed the practice of removing stones, when found and replacing them with vertical sections of railroad rail, unless otherwise noted. Given this known practice, the call for the stones found, the presence of the rail and the lack of any other evidence found in the immediate vicinity of the rail, the rail was held as providing the best available evidence of the corner. The top, center of the railroad rail was held as the position of the corner, being approximately 0.2 foot north and 0.2 foot east of the Mag nail. The railroad rail was left in place, the top of the rail was anchored in concrete and a Harrison monument was set above the rail. This corner was originally established as a wood post in 1822.

JAMES S SWIFT
REGISTERED
No.
20200054
STATE OF
INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

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

Clinton Township

Section 29 T20N, R1E	Section 28 T20N, R1E
Section 32 T20N, R1E	Section 33 T20N, R1E

SECTION CORNER RECORD

NE 750-100

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1785238.54 East: 3129656.75 (U.S. survey feet)

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

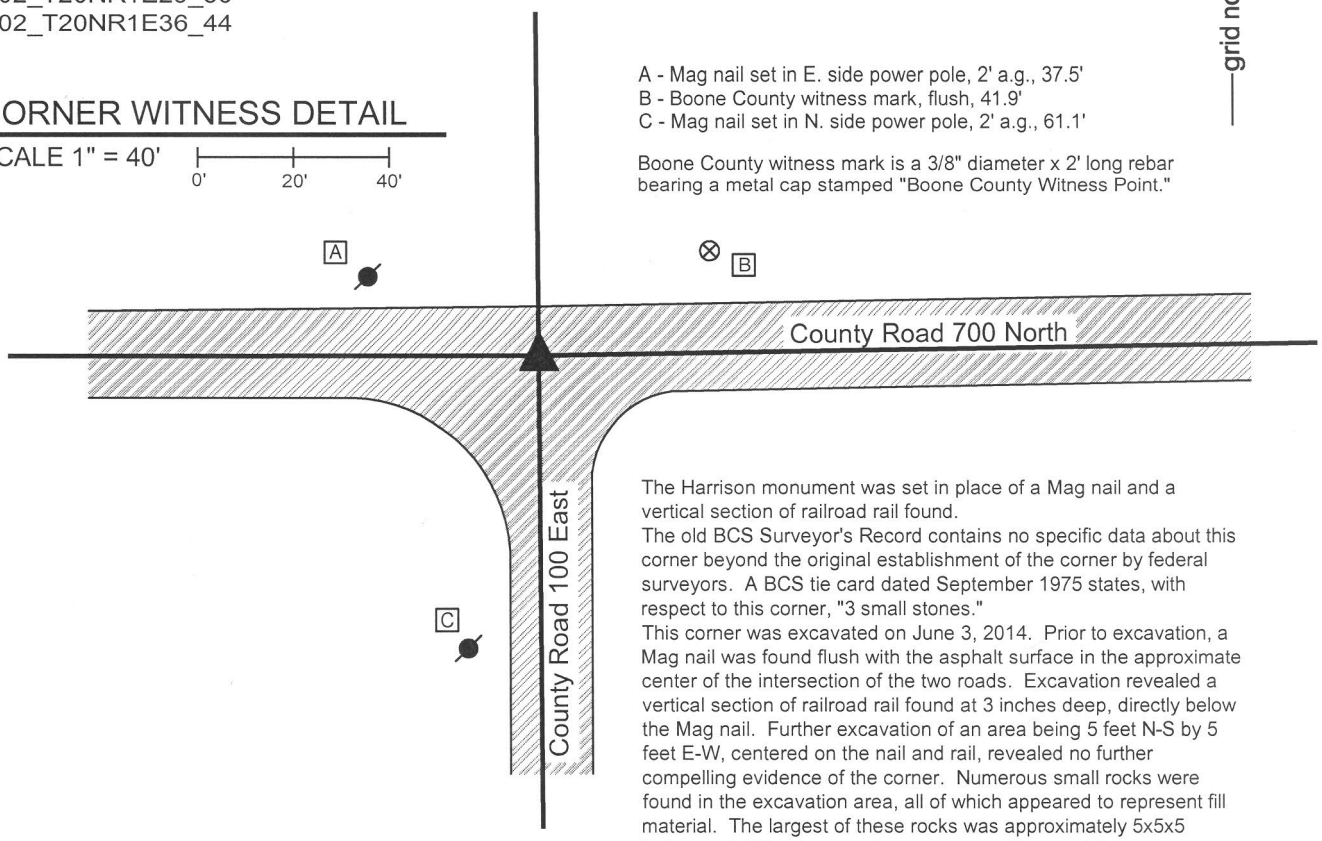
Indiana tie card references:
IN02_T20NR1E29_36
IN02_T20NR1E36_44

A - Mag nail set in E. side power pole, 2' a.g., 37.5'
B - Boone County witness mark, flush, 41.9'
C - Mag nail set in N. side power pole, 2' a.g., 61.1'

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

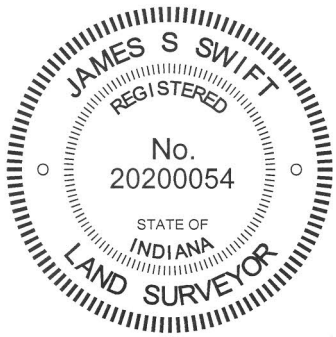
CORNER WITNESS DETAIL

SCALE 1" = 40'



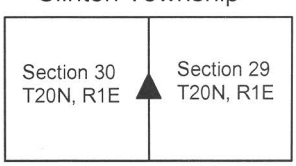
The Harrison monument was set in place of a Mag nail and a vertical section of railroad rail found.
The old BCS Surveyor's Record contains no specific data about this corner beyond the original establishment of the corner by federal surveyors. A BCS tie card dated September 1975 states, with respect to this corner, "3 small stones."
This corner was excavated on June 3, 2014. Prior to excavation, a Mag nail was found flush with the asphalt surface in the approximate center of the intersection of the two roads. Excavation revealed a vertical section of railroad rail found at 3 inches deep, directly below the Mag nail. Further excavation of an area being 5 feet N-S by 5 feet E-W, centered on the nail and rail, revealed no further compelling evidence of the corner. Numerous small rocks were found in the excavation area, all of which appeared to represent fill material. The largest of these rocks was approximately 5x5x5 inches and did not appear to represent evidence of the corner. Excavation was performed to 24 inches deep, several inches into the clay layer below the road.
It is not known whether the "small stones" found in 1970 represented better evidence of the corner than the small stones found in 2014. It is believed that any stones which may have been found in 1970 would have been removed and replaced with the rail, as was a common practice of BCS field crews from that era. Given the lack of contrary evidence and previous acceptance of the railroad rail, the rail was accepted as the best available evidence of the corner. The rail and nail were both removed during excavation and replaced with a Harrison monument set in the same position.
This corner was originally established as a wood post in 1822.

Kenneth E. Hedge, County Surveyor



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

Clinton Township



SECTION CORNER RECORD NE 750-200

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1785324.37 East: 3134860.50 (U.S. survey feet)

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

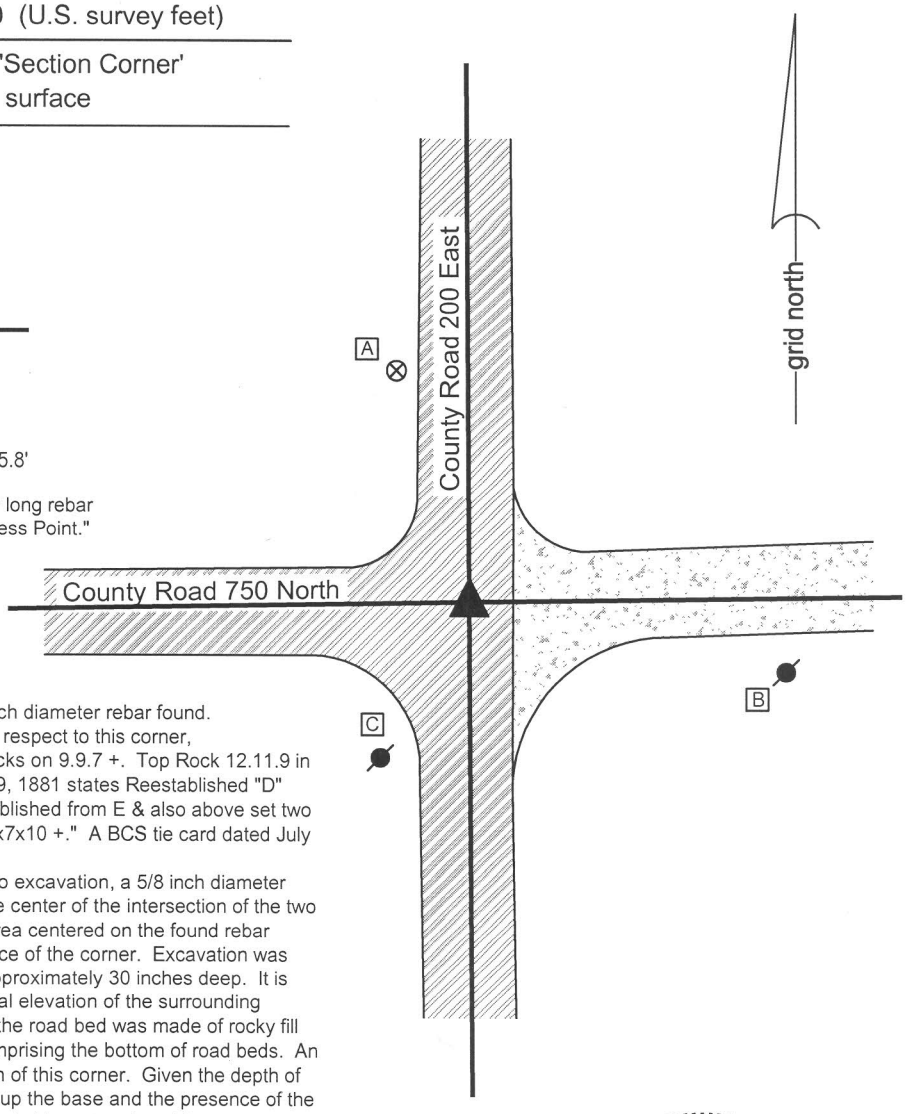
Indiana tie card references:
IN02_T20NR1E28_36
IN02_T20NR1E29_44

CORNER WITNESS DETAIL

SCALE 1" = 40' 0' 20' 40'

A - Boone County witness mark, flush, 50.3'
B - Mag nail set in N.W. side, power pole, 66.4'
C - Mag nail set in N.E. side power pole, 2' a.g., 35.8'

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 5/8 inch diameter rebar found. A BCS record dated March 21-22, 1867 states, with respect to this corner, "Reestablished from stump of one tree. Set two Rocks on 9.9.7 +. Top Rock 12.11.9 in Marked + on top." A BCS record dated September 9, 1881 states Reestablished "D" (above). Made good search and didn't find. Reestablished from E & also above set two rocks. Lower one 10x10x10 no mark. Upper one 8x7x10 +." A BCS tie card dated July 9, 1975 states "No stone found - set rod."
This corner was excavated on June 2, 2014. Prior to excavation, a 5/8 inch diameter rebar was found at 8 inches deep in the approximate center of the intersection of the two roads. Excavation of an 5 foot N-S by 5 foot E-W area centered on the found rebar yielded no further monumentation or specific evidence of the corner. Excavation was performed to the clay layer below the road bed at approximately 30 inches deep. It is noted that this depth is significantly below the general elevation of the surrounding ground. It is also noted that the bottom 8 inches of the road bed was made of rocky fill material, rather than the sandy material typically comprising the bottom of road beds. An open ditch crosses the road immediately to the north of this corner. Given the depth of the base of the road bed, the material which makes up the base and the presence of the open ditch, it is evident that this specific area was probably wet and muddy once upon a time. It appears that the area was excavated at some point previously and the road bed was established deeper and with more substantial material than is typical for rural roadways. This observation may account for the fact that the stones called for in the BCS record were not found.
It is not specifically known whether the 5/8 inch rebar represents the "rod" called for in the 1975 tie card. It is noted that it is more likely that the BCS field crew which set this "rod" would have used a 1/2 inch diameter rebar rather than a 5/8 inch diameter rebar. However, the rebar fits well with local evidence in the form of being at the intersection of the centers of the two roads. No distance ties shown on the 1975 tie card remain. Given the lack of any other monumentation or evidence found, the rebar was accepted as providing the best available evidence of the corner.
The rebar was removed during excavation and was replaced with a Harrison monument set in the same position.
This corner was originally established as a wood post in 1822.

JAMES S SWIFT
REGISTERED
No. 20200054
STATE OF INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

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

Clinton Township

Section 29 T20N, R1E	Section 28 T20N, R1E

SECTION CORNER RECORD

NE 800-200

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1787955.91 East: 3134847.05 (U.S. survey feet)

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

Indiana tie card references:

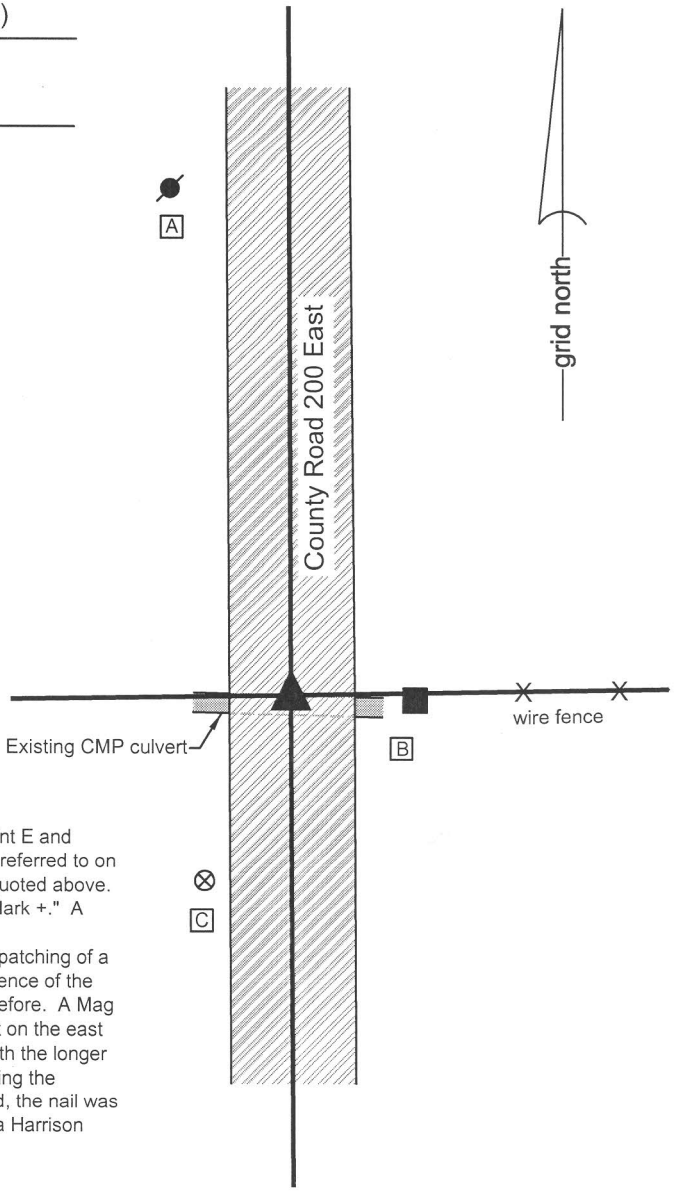
IN02_T20NR1E20_80 IN02_T20NR1E21_72
IN02_T20NR1E29_08 IN02_T20NR1E28_00

CORNER WITNESS DETAIL

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

A - Mag nail set in S.E. side power pole, 3' a.g., 80.8'
B - Mag nail set in W. side wood post, 2.5' a.g., 19.5'
C - Boone County witness mark, flush, 32.0'

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 in place of a Mag nail found.
A BCS record of May 8, 1865 states, with respect to this corner, "Found point E and drove stake." A BCS record dated March 21-22, 1867 states "Found stake referred to on page 401." The reference to page 401 is a reference to the 1865 record quoted above. A BCS record dated June 2, 1883 states "Reestablished Stone 18x14x14 Mark +." A BCS tie card dated July 9, 1975 states "No Stone Found - Set Rod."
No significant excavation was performed at this corner, as it falls within the patching of a recently installed courrugated steel culvert pipe. It is believed that any evidence of the corner would have been obliterated by the installation of the culvert, if not before. A Mag nail found in the center of the road fit reasonably well with the tie to the post on the east side of the road. The nail is slightly north of the post but generally in line with the longer fence bearing east from the post. The Mag nail was accepted as representing the position of the rod set in 1975. With no contrary evidence likely to be found, the nail was accepted as marking the corner. The nail was removed and replaced with a Harrison monument set in the same position.
This corner was originally established as a wood post in 1822.

JAMES S SWIFT
REGISTERED
No. 20200054
STATE OF INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

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

Clinton Township

Section 20 T20N, R1E	Section 21 T20N, R1E
Section 29 T20N, R1E	Section 28 T20N, R1E