SECTION CORNER RECORD

SE 300-050

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1729853.27 East: 3127279.46 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: flush with the adjacent ground

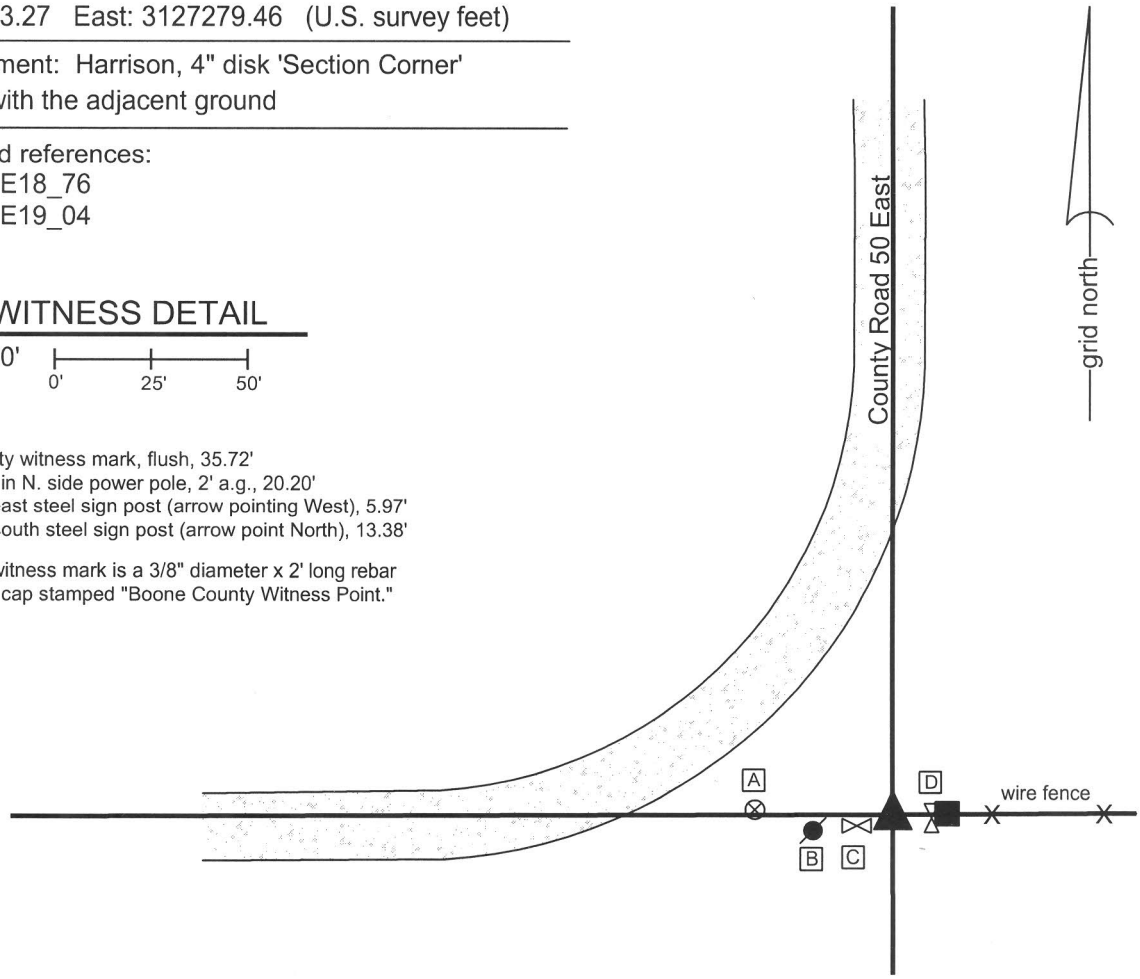
Indiana tie card references:
IN02_T18NR1E18_76
IN02_T18NR1E19_04

CORNER WITNESS DETAIL

SCALE 1" = 50' 0' 25' 50'

A - Boone County witness mark, flush, 35.72'
B - Mag nail set in N. side power pole, 2' a.g., 20.20'
C - East edge, east steel sign post (arrow pointing West), 5.97'
D - South ege, south steel sign post (arrow point North), 13.38'

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 a position determined by local evidence.
A BCS record of November 13, 1912 states "found rock set." No recent BCS tie cards were found referencing this corner. An undated card which has been available in this office for many years purports to reference this corner, but the geometry of the road as shown on the card does not fit with the physical conditions at the corner. Investigation of the field notes associated with this card revealed the fact that the corner to which the card was intended to reference is the NE corner of NW 1/4, of the SE 1/4 of section 19.
Excavation was performed at this corner on May 14, 2013. No monuments were found marking the corner prior to excavation, though significant local evidence of the corner was available in the form the center of the road to the north and west and the presence of an end post at the westerly terminus of an old fence to the east. Excavation of an area 10 feet E-W by 12 N-S centered on the apparent location of the corner per the local evidence yielded no further evidence of the corner. A distinct vein of sand was found in the center of the hole between 2 and 3 feet deep.
The corner was established at 1 rod (16.5 feet) west of the adjacent wood end post, at the westerly prolongation of the fence to the east of said post, which point also falls at the southerly prologation of the center of the county road to the north and the easterly prolongation of the center of the county road to the west. A harrison monument was set within a vertical section of 12 inch diameter HDPE storm pipe, filled with concrete, at this point.
This corner was originally established as a wood post in 1820.

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

Kenneth E. Hedge, County Surveyor

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

Center Township

Section 18
T18N, R1E

Harrison Township

Section 19
T18N, R1E

SECTION CORNER RECORD

SE 300-100

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1729869.74 East: 3129924.20 (U.S. survey feet)

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

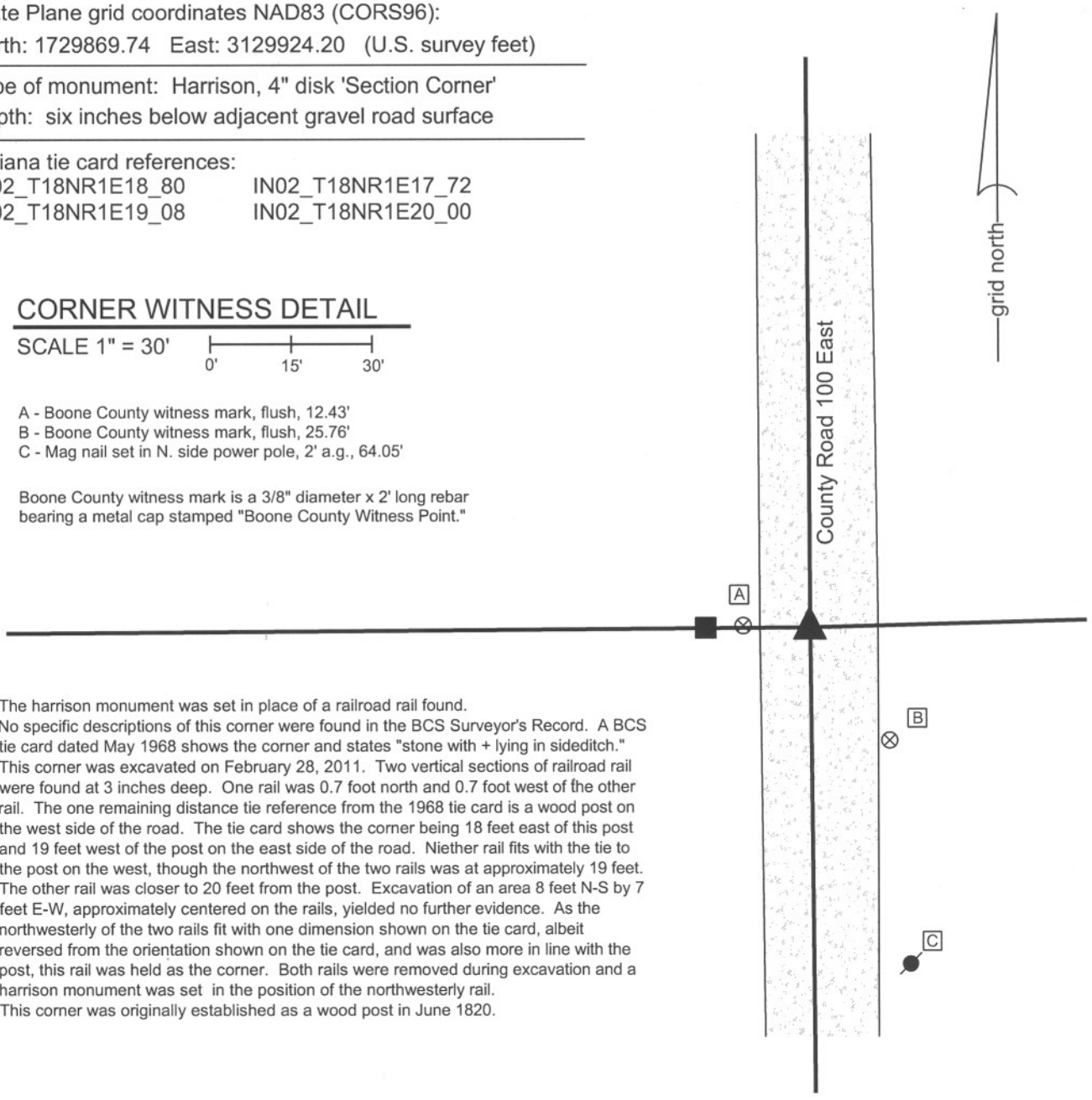
Indiana tie card references:
IN02_T18NR1E18_80 IN02_T18NR1E17_72
IN02_T18NR1E19_08 IN02_T18NR1E20_00

CORNER WITNESS DETAIL

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

A - Boone County witness mark, flush, 12.43'
B - Boone County witness mark, flush, 25.76'
C - Mag nail set in N. side power pole, 2' a.g., 64.05'

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 railroad rail found.
No specific descriptions of this corner were found in the BCS Surveyor's Record. A BCS tie card dated May 1968 shows the corner and states "stone with + lying in sideditch." This corner was excavated on February 28, 2011. Two vertical sections of railroad rail were found at 3 inches deep. One rail was 0.7 foot north and 0.7 foot west of the other rail. The one remaining distance tie reference from the 1968 tie card is a wood post on the west side of the road. The tie card shows the corner being 18 feet east of this post and 19 feet west of the post on the east side of the road. Niether rail fits with the tie to the post on the west, though the northwest of the two rails was at approximately 19 feet. The other rail was closer to 20 feet from the post. Excavation of an area 8 feet N-S by 7 feet E-W, approximately centered on the rails, yielded no further evidence. As the northwesterly of the two rails fit with one dimension shown on the tie card, albeit reversed from the orientation shown on the tie card, and was also more in line with the post, this rail was held as the corner. Both rails were removed during excavation and a harrison monument was set in the position of the northwesterly rail.
This corner was originally established as a wood post in June 1820.

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

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
March 1, 2012

Center Twp	Section 18 T18N, R1E	Section 17 T18N, R1E
Harrison Twp	Section 19 T18N, R1E	Section 20 T18N, R1E

SECTION CORNER RECORD

SE 350-100

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1727214.59 East: 3129948.44 (U.S. survey feet)

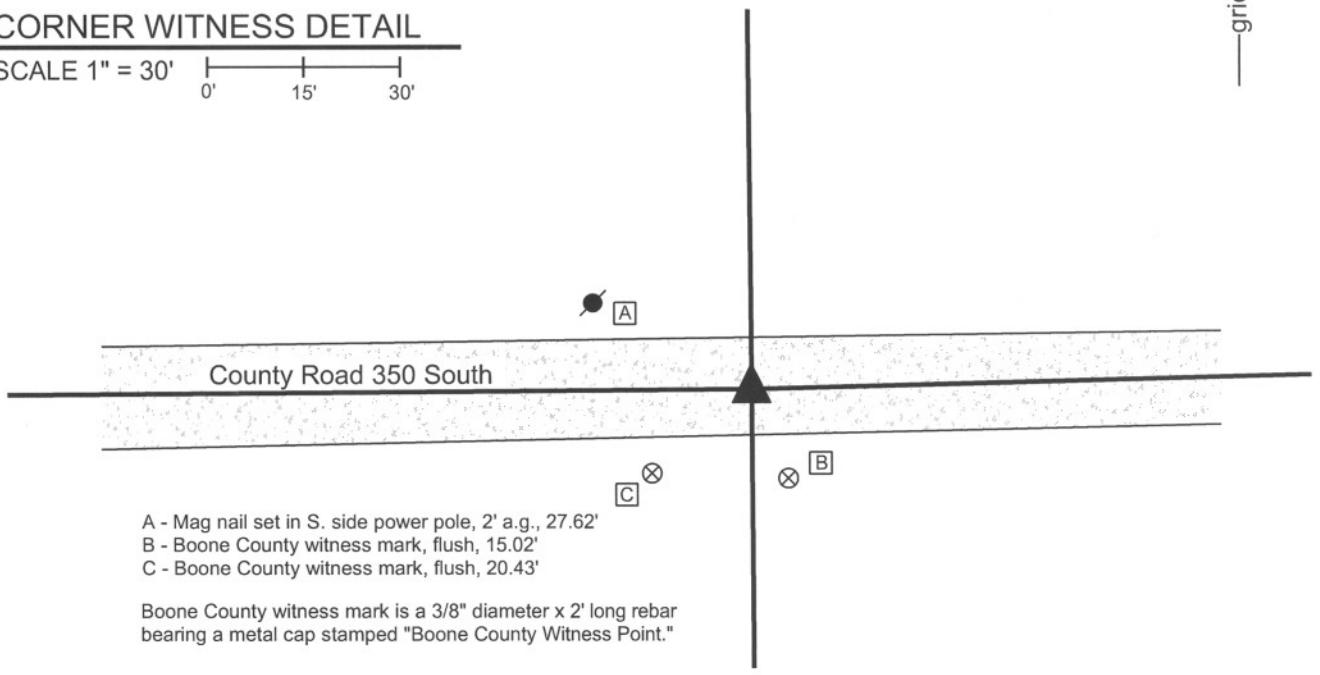
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: six inches below adjacent gravel road surface

Indiana tie card references:
IN02_T18NR1E19_44
IN02_T18NR1E20_36

grid north

CORNER WITNESS DETAIL

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



A - Mag nail set in S. side power pole, 2' a.g., 27.62'
B - Boone County witness mark, flush, 15.02'
C - Boone County witness mark, flush, 20.43'

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 railroad rail found.
A BCS record of June 18-19, 1866 states "Reestablished from stump of Ash and roots of Maple. Set Rock 12.9.8 marked +." A BCS tie card dated May, 1968 states "no stone."
This corner was excavated on February 28, 2011. Prior to excavation a vertical section of railroad rail was found in the center of the road at 1 inch deep. Excavation revealed another railroad rail fnd at a similar depth, 1.7 feet south of the first found rail. Excavation of an area 8' north, 5 feet south, 5 feet east and 6 feet west of the first found rail yielded no further evidence of the corner. The road bed is only approximately 10 inches deep in this area. It is noted that the road is slightly below the grade of the adjoining ground on the north side of the road, and slightly above the adjoining grade on the south side of the road. With such minimal road bed and being so close to the grade of the surrounding ground, it is reasonable to expect that the record stone may have been removed by road grading equipment in the past. The northerly of the two rails fit better with the local evidence in the form of the road, both in the immediate vicinity of the corner and as perceived along the longer lines of the road extended to the east and west. Both rails were removed during excavation and the northerly of the two rails was replaced with a harrison monument. Subsequently the harrison monument was removed by a crew of the Boone County Highway Department working on the road. A new harrison monument was set in the same position as the old harrison on June 3, 2011.
This corner was originally established as a wood post in June, 1820.

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

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
March 1, 2012

Harrison Township

Section 19 T18N, R1E	Section 20 T18N, R1E

SECTION CORNER RECORD

SE 400-050

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1724530.87 East: 3127305.00 (U.S. survey feet)

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

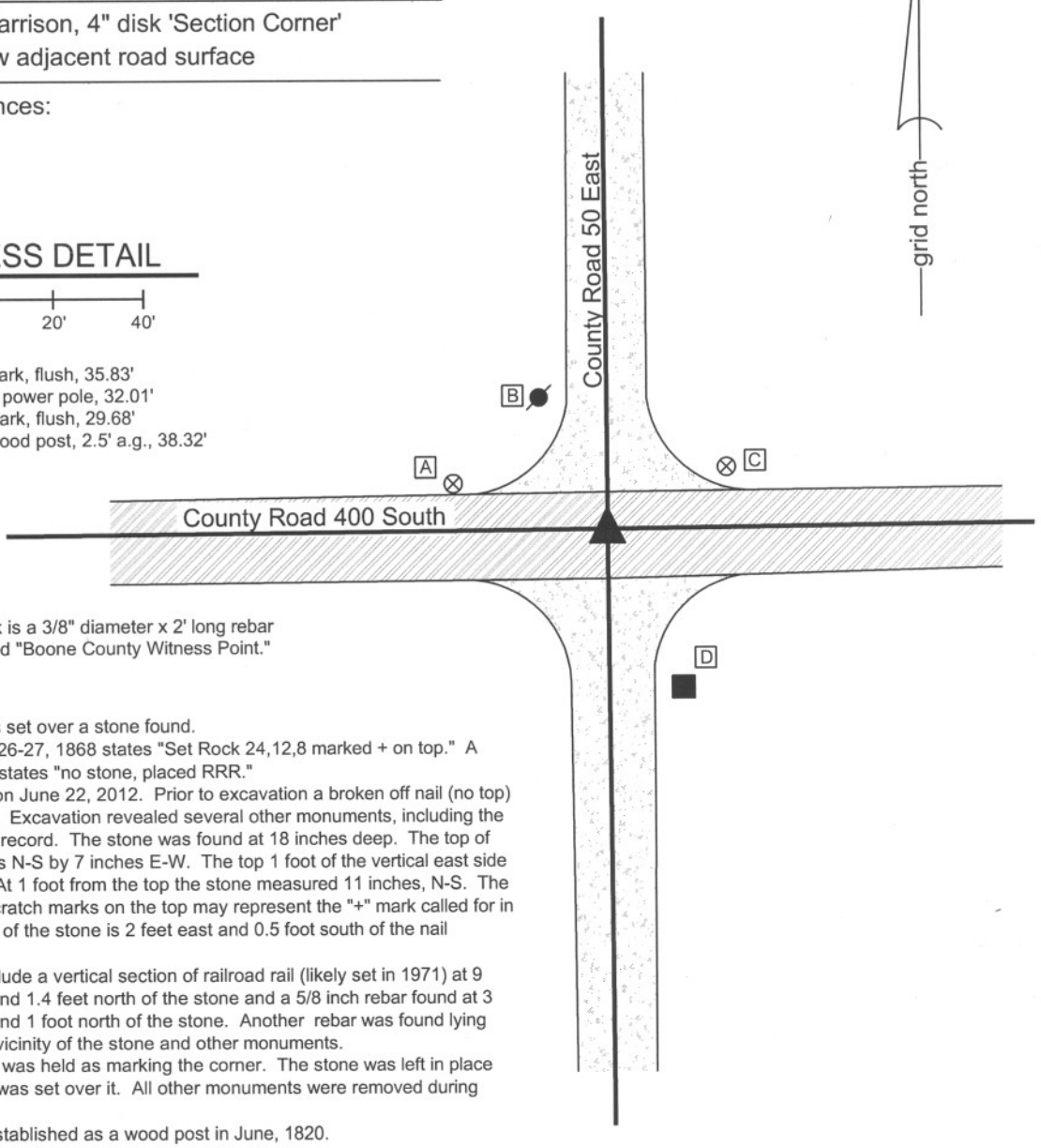
Indiana tie card references:
IN02_T18NR1E19_76
IN02_T18NR1E30_04

CORNER WITNESS DETAIL

SCALE 1" = 40'

0' 20' 40'

A - Boone County witness mark, flush, 35.83'
B - Mag nail set in S.W. side power pole, 32.01'
C - Boone County witness mark, flush, 29.68'
D - Mag nail set in W. side wood post, 2.5' a.g., 38.32'



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 November 26-27, 1868 states "Set Rock 24,12,8 marked + on top." A BCS tie card June 25, 1971 states "no stone, placed RRR."
This corner was excavated on June 22, 2012. Prior to excavation a broken off nail (no top) was found at 2 inches deep. Excavation revealed several other monuments, including the stone described in the 1868 record. The stone was found at 18 inches deep. The top of the stone measured 9 inches N-S by 7 inches E-W. The top 1 foot of the vertical east side of the stone was exposed. At 1 foot from the top the stone measured 11 inches, N-S. The rock is of a soft material. Scratch marks on the top may represent the "+" mark called for in the record. The top, center of the stone is 2 feet east and 0.5 foot south of the nail originally found.
Other monuments found include a vertical section of railroad rail (likely set in 1971) at 9 inches deep, 1.8 feet west and 1.4 feet north of the stone and a 5/8 inch rebar found at 3 inches deep, 1.5 feet west and 1 foot north of the stone. Another rebar was found lying horizontal in the immediate vicinity of the stone and other monuments.
The top, center of the stone was held as marking the corner. The stone was left in place and a harrison monuement was set over it. All other monuments were removed during excavation.
This corner was originally established as a wood post in June, 1820.

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

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
January 15, 2013

Harrison Township

Section 19
T18N, R1E

Section 30
T18N, R1E

BOONE COUNTY SURVEYOR'S OFFICE

SE 400-050

PHOTOGRAPHIC DOCUMENTATION
Date of photography: June 22, 2013

View of the stone as first exposed.
View from above and south.

View of the stone more fully exposed.
View from the above and east.

View from the east, looking across the stone and west along County Road 400 South.

View from the north, looking across the stone and south along County Road 50 East.

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

SECTION CORNER RECORD

SE 400-100

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):
North: 1724556.97 East: 3129967.83 (U.S. survey feet)

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

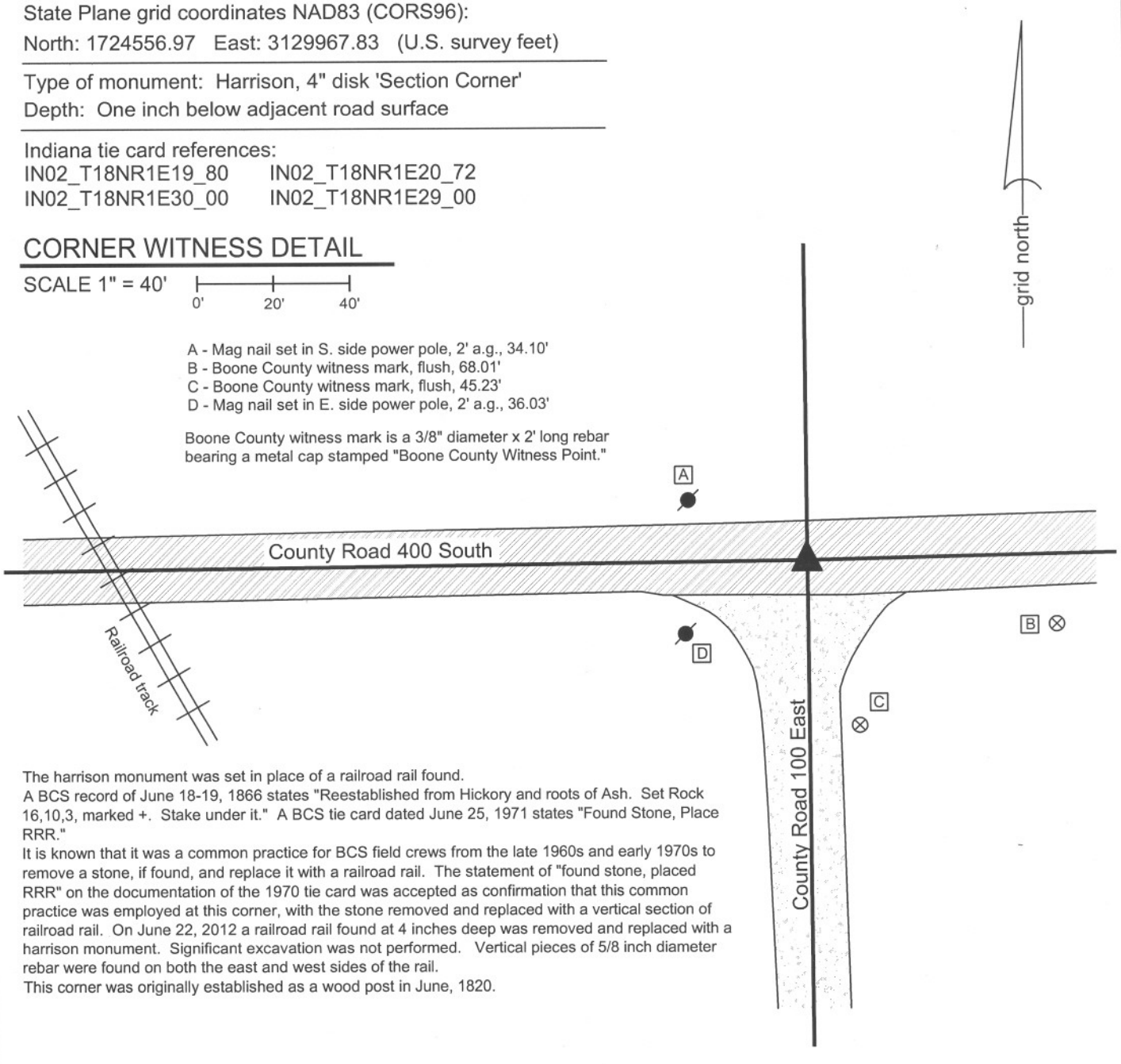
Indiana tie card references:
IN02_T18NR1E19_80 IN02_T18NR1E20_72
IN02_T18NR1E30_00 IN02_T18NR1E29_00

CORNER WITNESS DETAIL

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

A - Mag nail set in S. side power pole, 2' a.g., 34.10'
B - Boone County witness mark, flush, 68.01'
C - Boone County witness mark, flush, 45.23'
D - Mag nail set in E. side power pole, 2' a.g., 36.03'

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 railroad rail found.
A BCS record of June 18-19, 1866 states "Reestablished from Hickory and roots of Ash. Set Rock 16,10,3, marked +. Stake under it." A BCS tie card dated June 25, 1971 states "Found Stone, Place RRR."
It is known that it was a common practice for BCS field crews from the late 1960s and early 1970s to remove a stone, if found, and replace it with a railroad rail. The statement of "found stone, placed RRR" on the documentation of the 1970 tie card was accepted as confirmation that this common practice was employed at this corner, with the stone removed and replaced with a vertical section of railroad rail. On June 22, 2012 a railroad rail found at 4 inches deep was removed and replaced with a harrison monument. Significant excavation was not performed. Vertical pieces of 5/8 inch diameter rebar were found on both the east and west sides of the rail.
This corner was originally established as a wood post in June, 1820.

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

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
January 15, 2013

Harrison Township

Section 19 T18N, R1E	Section 20 T18N, R1E
Section 30 T18N, R1E	Section 29 T18N, R1E