

**SURVEYOR'S MAINTENANCE REPORT  
ON THE  
MARY GLANTON (SIDNEY BRANCH) REGULATED DRAIN  
FOR THE  
BARTHOLOMEW-SHELBY COUNTY JOINT DRAINAGE BOARD  
April 4, 2016**

**BASIS FOR THIS REPORT**

This drain was placed #1 on the priority list for Joint Bartholomew-Shelby County Regulated Drains at a public meeting of the Bartholomew-Shelby Joint Drainage Board on September 21, 2015.

**HISTORY AND DESCRIPTION**

A. JOSEPH ANDREWS DRAIN (middle section of present drain)

DESCRIPTION	C.R.B.	PAGE	DATE
Petition	J	9	September 12, 1877
Route, Specs., Owners	J	56	March 13, 1878
Proof of Notice	J	84	April 18, 1878

This regulated drain was an open ditch approximately 6,000 feet in length.

B. SIMEON CARNEY & JOSEPH ANDREWS DRAIN (Bartholomew County portion of present drain)

DESCRIPTION	C.O.B.	PAGE	DATE
Petition	18	43	June 11, 1887
Commissioner's Report	25	75	June 22, 1891
Commissioner Final Report	30	66	January 27, 1894

This regulated drain was an open ditch approximately 16,000 feet in length.

C. MARY GLANTON DRAIN (present drain)

DESCRIPTION	C.O.B.	PAGE	DATE
Petition	92	495	Feb. 14, 1946
Descriptions, notices	93	75	March 7, 1946
Remonstrances	94	427, 434, 478, 480	July 7, 1947
Change of assessments, letting of contact	95	225	Jan. 28, 1948
Surveyor's Final Report	96	117	Oct. 5, 1948

This regulated drain is an open ditch that rerouted sections of the previous drain and extends into Shelby County. Total length of the drain from the 1947 plans is 17,913 feet.

The lower end beginning point is described as being South 65 degrees West of and 75 feet distant from the Northwest corner of the Northeast Quarter of the Southeast Quarter of Section 9, Township 10 North, Range 6 East in Flat Rock Township, Bartholomew County.

The upper end point is described as a point that is 1,220 feet north of the South Quarter corner of Section 35, Township 11 North, Range 6 in Washington Township, Shelby County.

**CONDITION OF THE DRAIN**

The condition of the drain varies from property to property. The majority of the drain has been kept free of tree growth. Others sections of the drain are lined with trees on both sides. A profile survey conducted in 2015 indicated that many field tiles are located just above the invert of the drain and would benefit from cleaning of the drain. General alignment of the drain is good with sections through turns requiring realignment due to movement of the drain over time.

**CROSSINGS**

The following are the crossings located on the drain. Station 0+00 is the actual outlet of the open ditch into the Flat Rock River. The described beginning point of the regulated drain is at station 10+00 approximately.

STATION	TYPE	PROPERTY OWNER
30+48	Bridge	CR 300E, Bartholomew County
68+78	Bridge	CR 350E, Bartholomew County
81+15	Bridge	CR 900N, Bartholomew County
82+40	Non-usable Bridge	Abandoned RR Property, Eric Robertson
90+65	Bridge	Eric Robertson
113+70	Culvert	Michael and Mary Legan
134+70	RR Bridge	Indiana Department of Natural Resources
153+60	Culvert	CR 425E, Bartholomew County
173+60	Concrete Culvert	CR 1200S, Shelby County

## **CHARACTER OF WATERSHED**

The watershed is predominately agricultural row crop in use. There are scattered homesteads throughout the watershed and a few clusters of 1-5 acre residential lots. There are very few non-tillable areas i.e. wooded or pasture tracts. There is one active stone quarry within the watershed.

The watershed as presently delineated consists of 3,578.1 acres in parcels greater than 3.33 acres and 42 parcels (lots) in tracts 3.33 acres or less.

## **STATUS OF DRAIN FUND**

Currently there has been no drain fund established for this drain.

## **SCOPE OF MAINTENANCE WORK PROPOSED**

I recommend cleaning the drain in phases or sections beginning at the lower end as follows:

1. With the exception of the section of drain west of CR 300E, remove all trees and brush from both sides of the drain.
2. Excavate the bottom of the drain to provide sufficient depth to install private tile into the the drain and excavate the side banks to a slope sufficient to stabilize them.

Because of the large amount of spoil that will need to be spread, the spreading of spoil may extend beyond the 75-foot right-of-way as provided in I.C. 36-9-27.33. (b).

3. Construct rock chutes at surface water inlets.
4. Place rip rap revetment on the outside of curves to protect the side banks from erosion.
5. Preserve private drainage out letting into the drain.
6. Re-seed all disturbed areas.
7. Establish and maintain access on both sides of the drain where practical.
8. Lower or replace crossings as necessary. I recommend as plans are prepared for each section of the drain, the surveyor determined the flow capacity requirements for each crossing, the property owner determine the travel capacity requirements, and the drainage board establish a watershed-property owner cost share for replacement where applicable.
9. Spray to control brush and weeds.
10. Repeat excavation as necessary to keep drain clean.

**ESTIMATED ANNUAL COST OF PERIODIC MAINTENANCE**

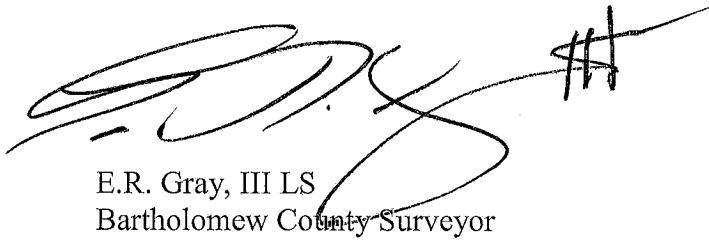
After the drain has been cleaned as recommended, the estimated annual cost of periodically maintaining the drain would be \$5,000.

**AFFECTED AREA**

As mentioned previously, the watershed contains 3,578.1 acres in tracts greater than 3.33 acres and 42 parcels (lots) in tracts 3.33 acres or less.

Attached is a map of the watershed as currently delineated. Also attached is an assessment schedule for consideration by the drainage board.

Respectfully submitted,



E.R. Gray, III LS  
Bartholomew County Surveyor

attachments