

Drain: JAMES D. M=CARTY **Drain #:** 142
Improvement/Arm: _____
Operator: J. LIVINGSTON **Date:** 3-18-04
Drain Classification: Urban/Rural **Year Installed:** 1915

GIS Drain Input Checklist

- Pull Source Documents for Scanning _____ *JL*
- Digitize & Attribute Tile Drains _____ *JL*
- Digitize & Attribute Storm Drains _____
- Digitize & Attribute SSD _____
- Digitize & Attribute Open Ditch _____
- Stamp Plans _____
- Sum drain lengths & Validate _____ *JL*
- Enter Improvements into Posse _____
- Enter Drain Age into Posse _____ *JL*
- Sum drain length for Watershed in Posse _____ *JL*
- Check Database entries for errors _____ *JL*

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: JAMES D. McCARTY

| Drain Type: | Size: | Length | Length (DB Query) | Length Reconcile | Price: | Cost: |
|--------------|-------|--------|-------------------|------------------|----------------------------------|-------------------------------------|
| TILE | 8" | 1460' | 1460' | | 2. ⁰⁰ / ₁₁ | 2920. ⁰⁰ / ₁₁ |
| | 15" | 1176' | 1176' | | 5. ⁰⁰ / ₁₁ | 5880. ⁰⁰ / ₁₁ |
| | 16" | 6' | 6' | | 5. ⁵⁰ / ₁₁ | 33. ⁰⁰ / ₁₁ |
| TILE - ARM 1 | 6" | 1520' | 1520' | | 1. ⁰⁰ / ₁₁ | 1520. ⁰⁰ / ₁₁ |
| TILE - ARM 2 | 8" | 1100' | 1100' | | 2. ⁰⁰ / ₁₁ | 2200. ⁰⁰ / ₁₁ |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

Sum: 5262'⁰⁰/₁₁ * 5262' \$12,553.⁰⁰/₁₁

Final Report: 5262'

Comments:

APPORTIONMENT FOR ~~KEEPING IN REPAIR~~ THE

James D. McCarty et al

Wm. B. Burford, Blank Book Mfr., Indianapolis.

| Share No. | From Station No. | To Station No. | Feet Long | NAME TO WHOM APPORTIONMENT IS MADE | DESCRIPTION OF LAND BENEFITED | Section | Town. | Range | ACRES BENEFITED | | AMOUNT OF BENEFITS | |
|-----------|------------------|----------------|-----------|--|-------------------------------|---------|-------|-------|-----------------|-------|--------------------|------|
| | | | | | | | | | Acres | Hund. | Dols. | Cts. |
| | | | | State of Indiana ss. In the Hamilton Circuit Court. Hamilton County | | | | | | | | |
| | | | | In the matter of the J. D. McCarty et al Drain. Report of Drainage Commissioners and Engineer to the Honorable Judge of the Hamilton Circuit Court. | | | | | | | | |
| | | | | We, the undersigned commissioners of drainage, to whom was referred the above entitled petition for the drainage of certain lands in Fall Creek Township, Hamilton County, Indiana, respectfully report that we met on the 10 th day of July, 1915 at 9 A.M. at the upper end of the proposed drain and proceeded to view and lay out and examine said proposed drain and lands likely to be effected thereby. | | | | | | | | |
| | | | | We would respectfully report that the drainage as proposed is practicable, that the same when completed will improve the public health and will be of public utility; that there will be two public highways benefited by said drainage. | | | | | | | | |
| | | | | We would further report that the cost of construction, damages and expenses of effecting said proposed drain will be less than the benefits to the owners of the lands likely to be benefited by said proposed drainage. | | | | | | | | |
| | | | | We would further report that we have definitely determined the best and cheapest method of drainage of said lands; we have fixed the route; location and character of said proposed work and fixed the same by metes and bounds, courses, distances and descriptions, guides and bench marks including all arms and branches so as to provide for the complete drainage of the lands to be effected by the proposed work. | | | | | | | | |
| | | | | That we have divided the ditch or drain into stations not more than one hundred feet in length and we have assessed the benefits and damages as the case may be to each separate tract of land and to each corporation and township effected. That we have fixed the beginning and outlet so as to secure the best results, and we have run the line of said ditch so as to secure the best results and cause the least possible injury to the lands effected and so as to benefit the public highway. | | | | | | | | |
| | | | | We have divided the drain into sections of 100 feet in length by setting stakes at each 100 feet and numbered from station 0 to station 26 plus 42 feet on the main ditch and from station 0 to station 11 on Arm No. 2. Said Arm No. 2 empties into Main Ditch at station 14 plus 60 feet. Arm No. 1 is divided into stations 100 feet long from Sta. 0 to Sta. 15 plus 20 ft. | | | | | | | | |

DITCH, BY E. A. Baker

COUNTY SURVEYOR,

1915.

C.C. Case # 17174 - April Term 1915

Filed April 27-1915

| ORIGINAL SPECIFICATIONS | | | DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE |
|-------------------------|--------------|-----------------|---|
| Width at Top | Depth of Cut | Width at Bottom | |

Location.

Main Ditch begins at a point about one hundred feet east of the intersection of the Greenfield Pike and the highway running East and West between sections 24 and 25, run thence in a general southerly direction about 80 rods, thence in a general southwesterly direction to a point in Mud Creek about 20 rods East of the West line of the West half of the Northwest quarter of section 25, Township 18, north, Range 5 East. Said point being the terminus of said ditch.

Arm No. 1 begins on the south side of the Greenfield Pike in the southwest corner of section 24, T_p. 18 N., R. 5 E., and runs thence south 300 feet, thence in a southeasterly direction 1220 feet and terminates in Main Ditch at station #2.

Arm No. 2 begins about 300 feet South of the Greenfield Pike and 50 feet West of the East line of the Rachel Wilson land, which is the East $\frac{1}{2}$ of East $\frac{1}{2}$ of NW $\frac{1}{4}$ of section 25, Township 18 North, Range 5 East and flows in a southwesterly direction and empties into the Main Ditch at station 14 plus 60 feet.

Requirements.

(Main Ditch) To consist of one row of 8 inch tile from Station 0 to Station 14 plus 60 feet; one row of 15 inch tile from Station 14 plus 60 feet to Station 26 plus 36 feet and one row of 16 inch vitrified sewer pipe from Station 26 plus 36 feet to Station 26 plus 42 feet. Connections - Two 8" V and 1-15".

(Arm No. 1.) To consist of one row of 6 inch drain tile from Station 0 to Station 15 plus 20 feet.

(Arm No. 2) To consist of row of 8 inch drain tile from Station 0 to Station 11 or terminus.

Retaining Wall.

At station 26 plus 42 feet (at the end of the tile) to be constructed a retaining wall of reinforced concrete 8 ft. long by 5 ft. high. Thickness at base to be 2 feet and batter to 18 inches at top. Top of wall to be sagged from ends to center - center being one foot lower than the ends.

Foundation to be made two feet below the grade of the tile, said grade to extend for the full length of wall construction.

Wall to be constructed of concrete made from one part Portland cement to six parts clean sand and gravel. Mixture to be made as wet as consistent with satisfactory placing and spaded into place without delay. Gravel and sand must be suitable to the Superintendent of Construction.

Forms - Neat forms of lumber shall be built to receive the concrete, said forms to be built of evenly matched lumber and be thoroughly braced so as to provide for the tendency to buldge or spring out of line.

APPORTIONMENT FOR ~~KEEPING IN REPAIR~~ THE

James D. McCarty et al

W. B. Burford, Blank Book Mfr., Indianapolis

| Share No. | From Station No. | To Station No. | Feet Long | NAME TO WHOM APPORTIONMENT IS MADE | DESCRIPTION OF LAND BENEFITED | Section | Town. | Range | ACRES BENEFITED | | AMOUNT OF BENEFITS | |
|---|------------------|----------------|-----------|------------------------------------|--|--------------------------|-------|-------|-----------------|-------|--------------------|--------|
| | | | | | | | | | Acres | Hund. | Dols. | Cts. |
| <p>The forms for the face side of the wall shall be made free from blemishes so as to present a smooth appearance when forms are removed.</p> <p>Water-Table.- On the downstream side and connected to and made a part of the foundation of the wall shall be constructed a water apron 4 ft. wide by 4 ft. long by 6 inches in thickness, said water apron or table to be placed so as top of same shall be 2 inches below grade of tile and slope downstream 1/4 inch to each foot of its length.</p> <p>Tile.</p> <p>All tile and materials used in the construction of the work to be first-class in every respect and subject to the approval and inspection of the superintendent in charge of the work before being used by the contractor.</p> <p>Ditching</p> <p>After the ditch has been dug to the proper grade the tile shall be laid in the trench at the correct grade as shown on profile herein attached with the joints well matched and to be left uncovered until inspected and accepted by the engineer in charge of the work, after which they shall all be covered and the ditch filled full and well packed so that no settlement may occur. The contractor will be required to make suitable connections with all tile drains already laid and the same has been estimated in this report.</p> <p>Assessment of Benefits.</p> | | | | | | | | | | | | |
| | | | | James D. McCarty | Pt. W ¹ / ₂ - E ¹ / ₂ - NW ¹ / ₄ | 25 | 18 | 5 | 30 | | \$ | 321.00 |
| | | | | Rachel Wilson | Pt. E ¹ / ₂ - E ¹ / ₂ - NW ¹ / ₄ | 25 | 18 | 5 | 20 | | | 214.00 |
| | | | | M. O. Kiefer | Pt. SW ¹ / ₄ - NW ¹ / ₄ | 25 | 18 | 5 | 40 | | | |
| | | | | M. O. Kiefer | Pt. NW ¹ / ₄ - NW ¹ / ₄ | 25 | 18 | 5 | 5 | | | 304.95 |
| | | | | Bert Kinnaman | Pt. SW ¹ / ₄ - SW ¹ / ₄ | 24 | 18 | 5 | 3 1/2 | | | 21.40 |
| | | | | Lee Cornelius | Pt. SW ¹ / ₄ - SW ¹ / ₄ | 24 | 18 | 5 | 1/2 | | | 5.35 |
| | | | | J. H. Selba | Pt. SW ¹ / ₄ - SW ¹ / ₄ | 24 | 18 | 5 | 2 | | | 7.49 |
| | | | | A. F. Kinnaman | Pt. SW ¹ / ₄ - SW ¹ / ₄ | 24 | 18 | 5 | 12 | | | 89.88 |
| | | | | Mary H. Selba, est. | Pt. SE ¹ / ₄ - SW ¹ / ₄ | 24 | 18 | 5 | 10 | | | 74.90 |
| | | | | Hamilton Co | Full Creek Township | E+W between 24+25 | | 18 | 5 | | | |
| | | | | | DRAINING HIGHWAYS | Greenfield Pike in 24+25 | | 18 | 5 | | | |
| | | | | | | N+S between 24+23 | | 18 | 5 | | | 58.85 |

Estimated Cost of Construction

| | |
|--|-------|
| Total cu yds. excavation on Main Ditch | 489.5 |
| " " " " " Arm No. 1 | 267.0 |
| " " " " " Arm No. 2 | 226.4 |
| " " " " " Whole ditch | 963.0 |

ORIGINAL SPECIFICATIONS

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

Width at Top Depth of Cut Width at Bottom

Hauling and laying tile and filling ditch

1176 ft. of 15 inch drain tile

2560 ft. " 8 " " "

1520 ft. " 6 " " "

Headwall

6 ft. of 16 inch Vitrified Sewer Pipe.

Connections.

Contingent Expenses.

Total estimated cost of Ditch \$1096.63

| Main Ditch. | | Arm No. 1. | | Arm No. 2. | |
|-------------|----------|------------|----------|------------|----------|
| Station | Hub Cut. | Station | Hub Cut. | Station | Hub Cut. |
| 0 | 3.1 | 0 | 3.2 | 0 | 2.3 |
| 1 | 3.9 | 1 | 2.2 | 1 | 2.0 |
| 2 | 3.6 | 2 | 3.5 | 2 | 3.2 |
| 3 | 3.4 | 3 | 3.3 | 3 | 3.1 |
| 4 | 2.9 | 4 | 2.1 | 4 | 3.6 |
| 5 | 2.8 | 5 | 3.5 | 5 | 4.1 |
| 6 | 2.4 | 6 | 5.1 | 6 | 4.3 |
| 7 | 2.6 | 7 | 5.8 | 7 | 4.0 |
| 8 | 3.5 | 8 | 7.2 | 8 | 4.1 |
| 9 | 3.1 | 9 | 6.8 | 9 | 4.4 |
| 10 | 2.9 | 10 | 3.4 | 10 | 4.6 |
| 11 | 3.7 | 11 | 3.0 | 11 | 5.0 |
| 12 | 4.9 | 12 | 2.7 | | |
| 13 | 5.4 | 13 | 2.3 | | |
| 14 | 5.1 | 14 | 2.8 | | |
| 15 | 4.8 | 15 | 4.3 | | |
| 16 | 4.0 | +20 ft. | 3.9 | | |
| 17 | 3.2 | | | | |
| 18 | 3.4 | | | | |
| 19 | 3.6 | | | | |
| 20 | 3.2 | | | | |
| 21 | 2.8 | | | | |
| 22 | 2.9 | | | | |
| 23 | 2.9 | | | | |
| 24 | 2.2 | | | | |
| 25 | 2.7 | | | | |
| 26 | 3.5 | | | | |
| +42 ft. | 2.0 | | | | |

W.W. Morris } Viewers
W.A. Morgan }

E.C. Baker - Engineer and Supt. of Construction

Report filed with Clerk of Circuit Court July 16, 1915.