

Drain: JOHN OWEN Drain #: 43
Improvement/Arm: _____
Operator: J. LIVINGSTON Date: 5-18-04
Drain Classification: Urban/Rural Year Installed: 1936

GIS Drain Input Checklist

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

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**Gasb 34 Footages for Historical Cost
Drain Length Log**

Drain-Improvement: JOHN OWEN

| Drain Type: | Size: | Length | Length (DB Query) | Length Reconcile | If Applicable | |
|-------------|------------|--------|-------------------|------------------|---------------|----------|
| | | | | | Price: | Cost: |
| TILE | 8" | 2372' | 2372' | | 2.00/lf | 4744.00 |
| | 10" | 2174' | 2174' | | 3.00/lf | 6522.00 |
| * | 16" | 1969' | 99' | -1870 | 5.50/lf | 544.50 |
| cmp | 18" | 30' | 0 | -30' | n/a | |
| OPEN DITCH | - | 1355' | 3255' | +1900' | 19.55/lf | 63635.25 |
| TILE-ARM 1 | 6" | 579' | 579' | | 1.00/lf | 579.00 |
| TILE-ARM 2 | 6" | 1321' | 1321' | | 1.00/lf | 1321.00 |
| TILE-ARM 3 | 6" | 650' | 650' | | 1.00/lf | 650.00 |
| | 8" | 2205' | 2205' | | 2.00/lf | 4410.00 |
| TILE-ARM 4 | 8" | 1000' | 1000' | | 2.00/lf | 2000.00 |
| ** | TILE-ARMS | n/a | ± 970' | 970' | n/a | |
| | TILE-ARM 6 | n/a | ± 4025' | 4025' | n/a | |
| | | | | | | |
| | | | | | | |

Sum: 18650' 18650' 0' \$84,405.25

Drain Map
Final Report: 13655'

Comments:
 * 16" TILE REMOVED: REPLACED BY OPEN DITCH, POSSIBLY BETWEEN 1962 & 1972.
 ** ARMS 5 & 6 (NOT SO NAMED IN THE COMMISSIONERS REPORT) ARE DESCRIBED UNDER THE HEADING "OTHER DRAINS:" WHILE THE LENGTH AND SIZE WERE NOT GIVEN. APPROXIMATE LOCATION WAS GIVEN. USING THE COMMISSIONERS REPORT SOILS DATA & AERIAL PHOTOGRAPHY THESE ARMS WERE ENTERED INTO THE GIS AND THEN MEASURED.

Wm. B. Burford Printing Co., 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 } Hamilton County } ss. | In Hamilton Circuit Court Cause No. 7. 1619 | | | | | | | |
| | | | | In the matter of the Petition of John Owen, for the Establishment of a Drain. | | | | | | | | |
| | | | | Report of Drainage Commissioners. To the Honorable Judge of the Hamilton Circuit Court; We the Viewers and Engineers to whom the above entitled petition for drainage of certain lands in Jackson and Noblesville Twpes. Hamilton Co. Indiana was referred; would respectfully report that we met on the line of the proposed drain on the 15 th day of June 1936, qualified and proceeded to view said drain and lands affected thereby. After a careful investigation of the premises of said drain we are of the opinion that said drain should be constructed, and done in the manner set out below, in the report, and that the same when completed will improve the public health, and will reclaim certain lands, and will be a public utility, and will benefit several highways; also that the cost of construction, damages and expenses of effecting said drain will be less than the benefits to the lands affected by said drainage. That we have definitely determined the best and cheapest method of effecting the drainage of such lands. We have fixed the route, location and character of said proposed work: that we have fixed the same by metes and bounds, courses, distances, descriptions and guides, and bench marks, so as to profile for a complete outlet for the drainage of said lands affected by the proposed work; that we have divided the ditch into sections of not more than 100 feet in length by setting stakes at each 100 feet. Location The location of said drain is as follows. Begin 17 feet South and 15 feet East of the N.W. corner of the E $\frac{1}{2}$ of N.E. $\frac{1}{4}$ Section 9 Twp. 19 N. Range 4 East. run S. 69 degrees and | | | | | | | | |

Ditch, by R. D. Horney

Dated July 10, 1901, December 28

1001

| ORIGINAL SPECIFICATIONS | | | DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE |
|-------------------------|--------------|-----------------|---|
| Width at Top | Depth at Cut | Width at Bottom | |
| | | | <p>50 minutes E. 300 feet. Left 22 degrees 200 feet. right 9 degrees and 30 minutes 100 feet. right 14 degrees 100 feet. right 12 degrees 100 feet. right 17 degrees and 30 minutes 900 feet. left ^{332°} 23 degrees 900 feet, right 39 degrees and 40 ^{291.25} minutes 825 feet. right 10 degrees and 10 minutes 775 feet. left ^{233.25°} 1 degree and 9 minutes 400 feet. right 11 degrees and 40 minutes 1976 feet, right 14 degrees 294 feet. left 31 degrees and 44 minutes 430 feet. right 12 degrees and 30 minutes 500 feet. left 31 degrees and 10 minutes 100 feet. to terminate in an open branch 1305 feet South and 58 feet East of N.W. corner of N.E. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ Section 15 Township 19 North Range 4 East. also <u>Arm No. 1</u> begin 20 feet West and 13 feet South of N.E. Corner Section 9 Twp. 19 N. Range 4 East. S. 10 degrees and 15 minutes 579 feet, enter main ditch at station 12.</p> <p>Arm No. 2 begin 13 feet S. and 368 feet E. of N.W. corner of Section 10 Twp. 19 N. Range 4 East, run S. 27 degrees E. 408 feet right 21 degrees 913 feet enter main ditch at station 23+72.</p> <p>Arm No. 3 begin 540 feet S. and 13 feet East of N.E. corner W $\frac{1}{2}$ S.E. $\frac{1}{4}$ Section 9 Twp. 19 N. Range 4 East North 39 degrees and 30 minutes East 650 feet right 71 degrees 30 minutes 978 feet left 3 degrees 30 minutes 432 feet left 12 degrees and 5 minutes 795 feet, enters main ditch at station 45+46</p> <p>Arm No. 4 begin at a point near the pond in Picketts Woods and run North Easterly approximately 1000 feet terminating in arm No. 3 at station 28.</p> <p>The ditch shall consist of 8 inch tile from station 0 to 23+72 and one row of 10 inch tile from 23+72 to 45+46, and a row of 16 inch tile from 45+46 to station 65+15, and one piece of 18 inch corrugated pipe to station 65+45 or N. line of road.</p> <p>An open ditch 30 inches wide in bottom, slopes 1 to 1 from 65+46 to station 79 or terminus.</p> <p>Arms No. 1 and 2 to consist of 1 row of 6 inch tile on each arm</p> <p>Arm No. 3 to consist of 1 row of 6 inch tile from station 0 to station 6+50 thus to intersect the old ditch which is to be taken up and repaired.</p> <p>Arm No. 4 to consist of 1 row of 8 inch tile the full length.</p> <p>There shall be constructed at station 0 on main ditch a man hole with a grating on top, one at station 3 and station 6 man holes</p> |

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| 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. |

with gratings from Station 0 to Station 7 to use 8 inch Bell end tile with caulked and cemented joints on account of being through the woods, the extra cost to be charged to the John Owen assessment extra.

Man hole opening to be at station 0 of Arm No 1, Arm No 2 and Arm No 3, also Arm No 4 there shall be Vetrified y.s. at the junctions of Arm No 1, 2 and any other places where any tile might enter the new ditches.

There shall be man hole openings at least 2 on main ditch where the Engineers might direct, 2 on Arm No 3.

at Station 45+46 there shall be a junction box built with grated opening 3'x3' with inside cemented with 6 inch sides and bottom, large enough at the top to take all tile conveniently in at that point. at Station 65+15 there shall be 1 piece of 18 inch corrugated pipe 25 feet long.

On the Pickett arm all the brush roots and trees shall be grubbed for 33 feet on each side of center line of ditch. Brush to be piled and burned.

It has been suggested and verbally promised by the Sup't. of Camp D-6 Frankton Indiana C.C.C. to do the proposed labor and without any cost whatever to the assessed property. the estimated cost of the proposed drain is for Court Cost, Engineer, Viewers, advertising and all material.

Should the C.C.C. Camp fail to do the labor the cost will be approximately 60 per cent more.

Other Drains:

There is in existance 1 to 10 inch and 1 to 12 inch tile terminating at Station 46+45 running in a North and North Westerly direction to the West line of East $\frac{1}{2}$ of N.E. $\frac{1}{4}$ Section 9 Twp. 19 N. Range 4 East, to be included and to be taken in as part of this drainage system. any expense toward examination and material for repair to be paid wholly by John Owen. but for any future up keep or repairs to be taken care of as any other court ditch, also at Station 6+50 Arm No 3 the old ditch run N. westerly to West line E $\frac{1}{2}$ of N.E. $\frac{1}{4}$ Section 9 to be inspected and repaired on same basis as other existing ditches.

The tile shall consist of H. No 1 Clay, shale or Concrete. said tile to meet the standard tile manufactures specifications of their

DITCH, BY

COUNTY SURVEYOR,

19

ORIGINAL SPECIFICATIONS

Width at
TopDepth at
CutWidth at
Bottom

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

respective make.

The ditch shall be cut at least 6 inches wider than the outside diameter of the tile, no tile to be covered until inspected by the Engineer.

The last draft of the spade to be dug with a round pointed tool so as to fit the curve of the tile. All tile shall be set to grade with a line stretched along the center of ditch and measured in with a pole with a shoe on bottom to insure a straight and level ditch.

at all junctions Y joints shall be used and covered with concrete for at least 2 joints on each arm.

All tile shall be laid so that the joints will fit in good shape, should any cracks exist they shall be covered with pieces of tile.

Concrete work

Unless otherwise specified all concrete work included in these specifications shall be a mixture of 1-2-3; one part Portland Cement, two parts sand, and three parts gravel.

The sand and gravel to be free from dirt, loam and other foreign matter.

The cement, sand and gravel to be thoroughly mixed while dry until it presents an even shade of coloring throughout, then made into a moderately wet mortar, and be immediately placed in the forms for moulding the concrete into shape, the forms for all concrete work shall be neatly constructed free from strong materials and shall be true to lines, dimensions, and shape given for the different structures.

Right of Way

The right of way shall be twenty (20) feet from center line of ditch on each side and all trees and brush upon the right of way must be removed by the land owner or if removed by the contractor they are to become his property and shall be disposed of as he wishes. All stumps within six (6) feet of the slopes of the ditch that are over twenty inches in diameter shall be removed by either blasting or grubbing as the drainage commission may order.

Wm. B. Butler Printing Co., Blank Book Mfr., Indianapolis

| Sheet No. | 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 BENEFIT | | | |
|-----------|-----------|------------------|----------------|-----------|------------------------------------|---|---------|------|-------|-----------------|-------|-------------------|---|--|--|
| | | | | | | | | | | Acres | Hund. | Dols. | C | | |
| | | | | | | <p>Maintaining Slopes the slopes shall be 1 perpendicular to 1 horizontal as near as practicable, and must be maintained throughout the ditch as elsewhere designated in these plans. Any excess depths and bottom widths that are cut by the Contractor shall have the corresponding slope required for the width and cut so made. The Engineers and Drainage Commissioners shall be the judge of all slopes and the same must be cut to their satisfaction.</p> <p>When said drain is in old channel, the present banks not to be disturbed, unless so directed by the superintendent. The ditch shall be maintained throughout its entire length by the Contractor and no portion will be accepted as complete until the total is accepted.</p> <p>Leveling Dirt: all excavated dirt shall be placed evenly on each side of the ditch. On new cuts whenever practicable, the dirt shall be used in filling the old channel and all excess dirt shall be placed where ever ordered by the Drainage Commissioners. Unless otherwise ordered by the Drainage Commissioners, all excavated material shall be leveled to three feet or less on all channel cuts. The Contractor will be required to fill the old channel at all places where the new construction varies from the line of the old.</p> <p>Connection of Drains: all lateral drains established by any Court of jurisdiction which have their outlet into this drain shall be properly taken care of by the Contractor, where said drain is effected in any way by the construction of this drain and where by the relocations they have been left without outlet they shall be extended into this ditch, the dimensions of said extensions to conform to a particular drain to be extended.</p> <p>where private drains are intercepted or left without outlet by reason of relocations or otherwise, the Contractor or the Commissioners in charge of construction shall notify the land owner who shall immediately make arrangements for properly taking care of his drain, how ever, the</p> | | | | | | | | | |

DITCH, BY

COUNTY SURVEYOR,

19

| ORIGINAL SPECIFICATIONS | | | DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE |
|-------------------------|--------------|-----------------|--|
| Width at Top | Depth at Cut | Width at Bottom | |
| | | | <p>Contractors shall not deposit any dirt in private open drains or in any way damage private tile drains, more than is necessary for the proper fulfillment of his contract.</p> <p>Inspection and acceptance:</p> <p>The contractor shall notify the drainage commissioner in charge of the time he intends to begin the work and the said drainage commissioner shall take charge and inspect the work as it progresses, and note and call attention to any irregularities and have them adjusted.</p> <p>He may call the Engineer to set the line of grade stakes and to determine as to whether or not the construction has been done according to the proper grades and slopes and for any other cause he may deem necessary.</p> <p>Acceptance of the grade on any portion of the ditch shall not be final until the ditch is completed and in such a manner as to conform as nearly as possible to the full intent of the plans, profiles and specifications for same and is free from any obstructions that hinders or impedes the flow of the water.</p> <p>Supplement.</p> <p>Regard to entry on petition cause # A 1619.</p> <p>That James Swinn and E. A. Baker were appointed Viewers. James Swinn was unable to serve. On May 14, 1936, Raymond Knapp was appointed in Mr. Swinn's place. He Baker and Roy Horney proceeded to view said drain. Before the Report was made Mr. Knapp resigned to the Court, June 14th, the Honorable Judge appointed S. S. Walton to act in the place of Mr. Knapp. On June 14, 1936 E. A. Baker, S. S. Walton appeared at Clerk's Office qualified and with Roy Horney the County Surveyors proceeded to view said ditch and make a report of same.</p> |

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Apportionment for Keeping in Repair the

Continued

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Wm. H. Burford Printing Co., 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. | Acres | Hund. | | | | Dols. | Cts. | | |
| NAMES | | | | Description of Lands | | | Sec | Twp | Rge | Acres Assessed | Acres Benefited | Amount of Benefits | Amount of Assessmt | TOTAL Assessment | | |
| | | | | Burlington Savings BANK | PT W 1/2 | S.E. 1/4 | 4 | 19 | 4 | 21 | 21 | \$ 153.30 | \$ 76.65 | \$ 76.65 | | |
| | | | | Wm McConnell | PT W 1/2 | N.E. 1/4 | 9 | 19 | 4 | 40 | 40 | 292.00 | 146.00 | 146.00 | | |
| | | | | M. E. Jennings | PT NW | SE | 9 | 19 | 4 | 20 | 20 | 146.00 | 73.00 | 73.00 | | |
| | | | | John C. Evans | PT S.E. | S.E. | 4 | 19 | 4 | 26 | 26 | 189.80 | 94.90 | 94.90 | | |
| | | | | Alvin K. Faulke + wife | PT | SW. | 3 | 19 | 4 | 17 | 17 | 124.10 | 62.05 | 62.05 | | |
| | | | | F. H. Evans | PT | NW | 10 | 19 | 4 | 2 | 2 | 14.60 | 7.30 | 7.30 | | |
| | | | | Elmer Morris | PT | NW. | 10 | 19 | 4 | 20 | 20 | 146.00 | 73.00 | 73.00 | | |
| | | | | Eliza Combeck | PT E 1/2 | SE 1/4 | 9 | 19 | 4 | 15 | 15 | 109.50 | 54.75 | 54.75 | | |
| | | | | Mary Pickett | PT W 1/2 | S.W. 1/4 | 10 | 19 | 4 | 60 | 60 | 438.00 | 219.00 | 219.00 | | |
| | | | | John Reasoner | E. 1/2 | S.W. 1/4 | 10 | 19 | 4 | 80 | 80 | 584.00 | 292.00 | | | |
| | | | | Do | PT W 1/2 | SE 1/4 | 10 | 19 | 4 | 2 | 2 | 14.60 | 7.30 | 299.30 | | |
| | | | | Geo and Chloe Slater | PT W 1/2 | NW 1/4 | 15 | 19 | 4 | 15 | 15 | 60.00 | 30.00 | 30.00 | | |
| | | | | Carl J. + Pearl Winkler | PT E. 1/2 | NW 1/4 | 15 | 19 | 4 | 15 | 15 | 60.00 | 30.00 | 30.00 | | |
| | | | | HAMILTON County Hwy. | benefits to RAW | | | | | | 300.00 | 150.00 | 150.00 | | | |
| | | | | John Owen | PT W 1/2 | SE 1/4 | 4 | 19 | 4 | 28.50 | 28.50 | | | | | |
| | | | | Do | E 1/2 | NE 1/4 | 9 | 19 | 4 | 80 | 80 | | | | | |
| | | | | Do | S 1/2 | NE 1/4 | 10 | 19 | 4 | 80 | 80 | | | | | |
| | | | | Do | PT NW | NW | 10 | 19 | 4 | 20 | 20 | | | | | |
| | | | | Do | PT NE | S.E. | 9 | 19 | 4 | 20 | 20 | 1919.64 | 959.82 | 959.82 | | |
| | | | | | | | | | | | | TOTAL Assessment | | \$ 2275.97 | | |

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

Estimate Cost of Construction including, Material, Labor, Hauling etc, necessary for completion of the work in accordance with the plans and specifications,

| | | |
|----------------------------------|------------------|-------------------|
| Station 0 | to Station 23+75 | \$ 215.00 |
| Station 23+75 | to Station 46 | 310.00 |
| Station 46 | to Station 65+76 | 790.40 |
| Arm 1-2-3 | | 141.37 |
| Pickett Arm | | 110.00 |
| 4 junction Concrete Boxes | | 90.00 |
| 7 Catch Basins or Man Holes | | 63.00 |
| 1 18" Corrugated Pipe 25 ft Long | | 26.00 |
| | | <u>\$ 1745.77</u> |

| | |
|---|------------------|
| Estimate expenses including attorneys fee | \$ 90.00 |
| Recording + Releasing | 20.00 |
| Legal Printing | 30.00 |
| Superintendent of Construction | 180.00 |
| Court expenses etc, | 25.00 |
| Contingency Fund | 100.00 |
| | <u>\$ 445.00</u> |

| | | |
|--|--------------------|-----------------|
| We claim for services, expenses + mileage, to date for | | |
| E. A. Baker | Viewer | \$ 10.00 |
| S. S. Walton | Viewer | 5.00 |
| Ray Knapp | Viewer | 5.00 |
| R. D. Horney | Engineer + helpers | 65.00 |
| | | <u>\$ 85.00</u> |

Grand total \$ 2,275.77

State of Indiana }
Hamilton County } S.S.

We the undersigned Viewers and Engineer, to whom was referred the above entitled petition for report, after being duly sworn upon oath say that we have personally examined the whole line of said proposed ditch, that the assessments herein made and report are correct, just and equitable to all parties herein as interested, that no other lands will be benefitted or injured by said proposed drain, and that the above and foregoing report is true in substance and in fact as we verily believe.

R. D. Horney Engineer
E. A. Baker
S. S. Walton Viewers

Subscribed & Sworn to before me this 18 day of June 1936

Charles E. Baldock
Clerk of Hamilton County.

(over)

Apportionment for Keeping in Repair the

Continued

D127 P614

Wm. B. Buford Printing Co., Blank Book Mfr., Indianapolis

| Sh. No. | 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 BENEFIT |
|---|-----------|------------------|----------------|-----------|------------------------------------|-------------------------------|---------|-------|-------|-----------------|-------|----------------|
| | | | | | | | | | | Acres | Hund. | |
| <p>Note - By request of John Owens the following revision of assessments were made and difference paid by said John Owens</p> <p>Geo + Choe Slates W² NW¹/₄ 15-19-4 2 Acres - \$ 7.30</p> <p>Carl J. + Pearl Winkler E² NW¹/₄ 15-19-4 2 Acres 7.30</p> <p>Making total Revised Assessment \$ 2,230.37</p> | | | | | | | | | | | | |