

**Drain:** PHILLIPS AND BUTLER      **Drain #:** 290  
**Improvement/Arm:** JAMES PHILLIPS  
**Operator:** J. LIVINGSTON      **Date:** 12-11-03  
**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



James D. Phillips Tile Drain

Tipton County Circuit Court Record # 13576  
Book # 5 Page 516 - Sept. Term 1915

Hamilton County Lands and Owners.

Joseph Noble NE NE 1-20-3 20 acres  
" " SE NE 1-20-3 10 acres  
James D. Phillips 30 A. off N end of 52 $\frac{1}{2}$  A. of west side NW 6-20-4 20 ac.  
Morton S. Hennold 22 $\frac{1}{2}$  A. off South End of 52 $\frac{1}{2}$  A. of west side Nw 6-20-4  
" " " S SE NE 1-20-3 5 acres  
John Achenbaugh NE NW 6-20-4 17 $\frac{1}{2}$  acres  
SE NW 6-20-4 40 acres  
10 $\frac{1}{2}$  A. off E. side W. half NW 6-20-4 10 $\frac{1}{2}$  acres  
C. J. & W. A. Fippen NE NE 6-20-4 17 $\frac{1}{2}$  acres  
SW NE 6-20-4 40 "  
NW NE 6-20-4 17 $\frac{1}{2}$  "  
SE NE 6-20-4 40 "  
NE NW 5-20-4 20 "  
SE NW 5-20-4 7 "  
John Fox N $\frac{1}{2}$  NW SE 6-20-4 20 acres  
Sebastian Garst NE SW 6-20-4 30 acres  
John Mason NW NW 5-20-4 17 $\frac{1}{2}$  acres  
SW NW 5-20-4 40 acres  
NW SW 5-20-4 15 "

Tipton County Lands and Owners.

Henry Garhart 16 $\frac{1}{2}$  acres off the east side SE SW 31-21-4 16 $\frac{1}{2}$  acres.  
16 $\frac{1}{2}$  acres off the east side NE SW 31-21-4 16 $\frac{1}{2}$  "  
S $\frac{1}{2}$  SW NE #31-21-4 20 acres  
S $\frac{1}{2}$  NE NE 31-21-4 20 "  
SE NE 31-21-4 40 "  
Robert W. Butler NE SE 31-21-4 40 "  
SE SE 31-21-4 40 "  
SW SE 31-21-4 40 "  
NW SE 31-21-4 40 "  
Isabelle Manship Pt SW 31-21-4 40 "

That much otherwise, valuable lands along the line of the proposed drainage is covered with water for a portion of the year, and that the drainage now had for said lands is insufficient and inadequate; and in the opinion of your petitioners, the cost, damages and expenses of the proposed drainage will be less than the benefits which will result to the owners of the lands likely to be benefitted thereby.

That it is the opinion of your petitioners that the proposed drainage can be accomplished in the cheapest, best and only permanent manner by the construction and reconstruction of a tile drainage with proper lines and size of tile outleting into an open drain already constructed; and beginning at a point 450 feet west and 600 feet south of the north-east corner of section one, township 20 north, range 3 east in Hamilton County, Indiana, run thence south-east on the land of Joseph Noble, thence running in a generally northeasternly direction over and along the lowest ground, or along an old drain known as the "Oliver H. Endicott Drain" or any reconstruction thereof so far as shall be practicable; and terminating in the open portion of the reconstruction of said old drain at or near a point 193 feet west of the north-west corner, south-east quarter of section 28, township 21 north, range 4 east in Tipton County, Indiana.

Your petitioner would further show that they are owners of the lands to be drained as hereinafter set out as belonging to each of said petitioners; and that other lands that will be affected by the construction of said drain are also hereinafter set out, and the owners of each tract named herein. Said lands are described as follows:-

lows:-

James D. Phillips et al

the benefits to be derived therefrom.

We locate and establish said proposed drainage as prayed for, over and along the following route or routes, to-wit;

Commencing at a point 450 feet west and 600 feet south of the north-east corner of section one, township 20 north, range 3 east, in Adams Township, Hamilton County, Indiana, run thence south 18 degrees east 500 feet, thence south 73 degrees east 100 feet, thence south 88 degrees east 915 feet, thence north 60 degrees east 185 feet, thence north 34 degrees east 345 feet, thence north 18 degrees east 1216, thence north 33 degrees east 2539 feet, thence north 38 degrees east 315 feet, thence north 44 degrees east 985 feet, thence north 46 degrees east 2800 feet, thence north 30 degrees east 200 feet, thence in old channel of the open ditch known as the Henry Garhart Ditch or Oliver H. Endicott to stake 127 plus 45 on main ditch or 2645 feet, thence new cut, south side of old channel to stake 128 plus 80 on main ditch for 135 feet, thence in old channel of said open ditch to stake 136 plus 54 or terminus 774, said terminus being on the property line 193 feet west of the north-east corner of the south-west quarter of section 29 township 21 north, range 4 east in Cicero Township, Tipton County, Indiana. This line is designated the Main Ditch of which 837 feet is in Adams Township, Hamilton County, Indiana, 2060 feet is in Jackson Township, Hamilton County, Indiana, and 10757 feet in Cicero Township, Tipton County, Indiana, the total length of main ditch is 13654 feet.

Arm No. 1 begins at the stone wall or end of the tile on the Overdorf Ditch runs thence north on a line with the center line of the open portion of said Overdorf Ditch 750 feet, thence north 40 degrees east 208 feet, terminating in the main Ditch at stake 99 on Main Ditch. The total length of arm No. 1 is 958 feet.

Arm No. 2 begins at the terminus of the present R. W. Butler Ditch about 50 feet west of the north-east corner of south-east quarter of the south-west quarter of the north-east quarter section 31 township 21 north range 4 east, thence north 40 degrees east 2308 feet and terminating in arm No. 1 at stake 7 plus 50 on arm No. 1, the length of arm No. 2 is 2308 feet.

Arm No. 3, begins at or near a point 100 feet south of the north-east corner of the south-east quarter of the north-west quarter of the north-east quarter of section 31 township 21 north range 4 east run thence in a north-easterly direction around a curve in the old open channel, thence east in old channel connecting with Main Ditch at stake 89 plus 85 on Main Ditch, the total length of Arm No. 3 is 764 feet.

There shall be first class tile placed in the main ditch as follows:

From stake "0" to stake 23, 2300 feet, ten inch tile; from stake 23 to stake 53, 3000 feet, twelve inch tile; from stake 53 to stake 99, 4600 feet, fifteen inch tile; from stake 99 to stake 136 plus 46, 3746 feet, twenty-seven inch tile; from stake 136 plus 46 to stake 136 plus 54.8 feet, twentyseven inch sewer tile.

Arm No. 1 From stake "0" to stake 7 plus 50', 750 feet, eighteen inch tile; from stake 7 plus 50' to stake 9 plus 58', 208 feet, twenty-two inch tile;

Arm No. 2 From stake "0" to stake 23 plus 8', 2318 feet, fifteen inch tile;  
Arm No. 3 From stake "0" to stake 2 plus 56 feet, 256 feet, seven inch tile;  
from stake 2 plus 56 feet to stake 7 plus 64 feet, 508 feet, twelve inch tile.

The 27 inch tile shall be what is known as Shale tile;; all tile shall be first class, subject to the inspection and approval of the superintendant in charge. At station 99 there shall be constructed a concrete box for the connection of the fifteen inch, twenty-two inch and twenty-seven inch tile, the dimensions of same shall be 4 feet by 3 feet by 2 $\frac{1}{2}$  feet inside. The top and sides shall be six inches in thickness. The bottom or floor shall be four inches thick, the top of which shall be placed three inches below the bottom of the tile.

Between stations 99 and 100 there shall be constructed a concrete box on sides and top of tile, twenty feet in length, the center of same to be on the center line of the road way and bases shall be on same plane with base of tile. The forms for the side walls shall be six inches from sides of tile and the whole space to be filled with concrete until it becomes six inches above top of tile.

The connections of arms 1, 2 and 3 shall be made by close fitting and concrete 4 inches thick placed entirely over same.

All concrete shall be composed of portland cement, clean sharp sand and clean gravel. The cement and gravel shall be mixed in the proportion of one part cement to four parts of gravel and sand combined, measured by volume loose.

After the tile is placed in ditch and inspected by the superintendent in charge, the excavation shall be filled to two feet above the top of the tile as nearly level as possible. The dirt shall first be packed carefully around sides before completing the refilling.

All work done and material shall be subject to the inspection and approval of the superintendent in charge.

We have definitely determined the best and cheapest method of drainage, located the route and termini of the same and set out the character of the proposed work and fixed the same by meets and bounds, courses and distance and description, including grade and bench marks, including all necessary arms, connections and abutments estimated the cost thereof, divided the drain and arms into sections not more than 100 feet in length, numbering down stream, and computed and set out the number of cubic yards in each section to be excavated, assessed the benefits to each separate tract of land affected thereby, and to the civil townships on account of public highways benefitted.

The main ditch and arms are to be tiled through their entire lengths, and we have determined that the best method and cheapest manner to make the excavations therefor will be with spades and shovels.

We have assessed each tract of land benefitted by said proposed work its proportionate share of said costs and expenses in proportion to the benefits to be received